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(630) Marquesas Islands region
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(634) Arctic Ocean
(635) Near north coast of Kalaallit Nunaat
(636) Eastern Kalaallit Nunaat
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(638) Iceland 923
(639) Jan Mayen Island region 923
(640) Greenland Sea 925
(641) North of Svalbard 926
(642) Norwegian Sea 926
(643) Svalbard region 927
(644) North of Franz Josef Land 927
(645) Franz Josef Land
(646) Northern Norway 927
(647) Barents Sea 927
(648) Novaya Zemlya
(649) Kara Sea
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(657) Priamurye-Northeastern China border region 928
(658) Northeastern China 928
(659) North Korea 929
(660) Sea of Japan 929
(661) Primorye 929
(662) Sakhalin Island 929
(663) Sea of Okhotsk 930
(664) Southeastern China 931
(665) Yellow Sea 931
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(668) New Siberian Islands
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(670) Near north coast of eastern Siberia 931
(671) Eastern Siberia 931
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(683) Southeastcentral Pacific Ocean
(684) Southern East Pacific Rise 933
(685) Easter Island region 934
(686) West Chile Rise 934
(687) Juan Fernandez Islands region
(688) East of North Island 935
(689) Chatham Islands region
(690) South of Chatham Islands
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(694) Central East Pacific Rise 940
(695) West of Galapagos Islands 941
(696) Galapagos Islands region 941
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SEISMIC REGION 45.
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(701) West of Macquarie Island 942
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MAJOR EARTHQUAKES

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

(420) North Indian Ocean

ISC	**VII**	**01 01 02 33.5–1.2**	**1.1N–.10**	**91.5E–.10**	**10**	**3.7b**	**18**	**5-146**	
IDC	VII	01 01 02 29.2–1.5	0.78N	91.56E	0	4.1L,3.8			**¶601663343**
ISCJB	VII	01 01 02 31.2–1.1	1.1N–.10	91.46E–.07	10	3.6b,3.8			
DJA	VII	01 01 02 35.7–4.3	1N–14	92E–35	10	5.5b,5.1b			
ISC	Event type ke.								
ISCJB	Event type ke.								

(294) Myanmar-India border region

ISC	**VII**	**01 04 13 51.8–.21**	**25.60N–.02**	**94.71E–.02**	**56–1**	**5.5b,4.7s**	**1254**	**1-162**	
MOS	VII	01 04 13 49.8–1.1	25.58N	94.74E	51	5.6b,4.7s			**¶601224672**
BJI	VII	01 04 13 49.2	25.64N	94.63E	59	5.5b,5.3b			
ISCJB	VII	01 04 13 50.9–.23	25.58N–.01	94.61E–.01	61–2	5.4b,5.3b			
IDC	VII	01 04 13 51.8–.37	25.58N	94.81E	56–3	5.1,4.8			
NEIC	VII	01 04 13 52.1–.13	25.59N	94.70E	58	5.6W,5.5b			
GCMT	VII	01 04 13 52.1–.10	25.60N	94.73E	50–0	5.6W,5.5b			
NDI	VII	01 04 13 53.2–2.4	25.67N	94.54E	70–8	5.6L,5.5b			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=6.0km s-min=3.3km az=121.4.								
ISCJB	Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=29.2.								
IDC	Error ellipse: s-maj=7.9km s-min=6.7km az=29.0.								
NEIC	Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=210.0. Felt at Nagaon, Phek and Shillong, India. Also felt at Sylhet, Bangladesh. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$1.92 $M_{r\theta}$-0.27 $M_{\theta\phi}$2.56 $M_{\theta r}$-0.48 Best double couple: NP1:ϕ_s161.00000°,δ83.00000°,λ173.00000°. NP2:ϕ_s252.00000° ,δ83.00000°,λ7.00000°. Principal axes: T 3.2700,Plg10.0000°,Azm116.0000° ; N 0.0400,Plg80.0000°,Azm294.0000°; P -3.3100,Plg0.0000°,Azm26.0000° M_o3.30000×10^{17}								
GCMT	Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s92,c135; s126,c300;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.04 $M_{\theta\theta}$-2.81±.04; $M_{\phi\phi}$2.86±.04; $M_{r\theta}$-0.40±.04; $M_{\theta\phi}$1.28±.03; $M_{\theta r}$-0.59±.04; Best double couple: NP1: ϕ_s238.00000°,δ86.00000°,λ12.00000°. NP2:ϕ_s147.00000°,δ78.00000°,λ176.00000°. Principal axes: T 3.2660,Plg11.0000°,Azm103.0000°; N -0.1610,Plg78.0000°,Azm257.0000° ; P -3.1100,Plg5.0000°,Azm12.0000° M_o3.18800×10^{17}								
NDI	Error ellipse: s-maj=4.5km s-min=8.2km az=-1.0.								

(273) Southwest of Sumatera

ISC	**VII**	**02 20 51 03.1–.72**	**6.49S–.08**	**102.25E–.07**	**24**	**4.0b**	**46**	**2-147**	
IDC	VII	02 20 50 59.2–.70	6.62S	102.05E	0	4.7L,4.1			**¶601562067**
ISCJB	VII	02 20 51 01.0–.47	6.50S–.05	102.22E–.04	24	4.0b,4.1			
NEIC	VII	02 20 51 04.6–.44	6.57S	102.14E	35	4.1b,4.1			
DJA	VII	02 20 51 04.8–.50	6S–5.0	102E–3.0	57–20	5.8b,5.3			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								

(115) Near coast of Peru

ISC	**VII**	**02 23 31 37.7–.24**	**14.49S–.03**	**75.66W–.04**	**38–1**	**5.9b,5.3s**	**1685**	**3-179**	
IDC	VII	02 23 31 31.4–.32	14.39S	75.91W	0	5.4,5.4			**¶601233569**
MOS	VII	02 23 31 35.8–1.1	14.39S	75.75W	33	5.9b,5.2s			
ISCJB	VII	02 23 31 36.0–.12	14.39S–.02	75.60W–.03	43	5.8b,5.3s			
BJI	VII	02 23 31 36.5	14.40S	75.60W	35	5.7s,5.6b			
GCMT	VII	02 23 31 37.9–.10	14.53S	76.02W	38–0	5.8W,5.6b			
NEIC	VII	02 23 31 37.9–.52	14.42S	75.60W	40–4	6.0b,5.7W			
NEIC	VII	02 23 31 37.0–.00	14.64S	75.97W	35	6.0b,5.7W			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=11.2km s-min=7.6km az=80.0.								
MOS	Error ellipse: s-maj=9.7km s-min=4.8km az=108.1.								
ISCJB	Event type fe. Error ellipse: s-maj=4.2km s-min=2.3km az=150.7.								
GCMT	Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s117,c228; s125,c303;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.82±.05 $M_{\theta\theta}$0.07±.04; $M_{\phi\phi}$-3.89±.05; $M_{r\theta}$0.17±.05; $M_{\theta\phi}$1.69±.03; $M_{\theta r}$-3.76±.08; Best double couple: NP1: ϕ_s172.00000°,δ67.00000°,λ102.00000°. NP2:ϕ_s325.00000°,δ26.00000°,λ65.00000°. Principal axes: T 5.3950,Plg66.0000°,Azm104.0000°; N 0.4730,Plg11.0000°,Azm348.0000° ; P -5.8690,Plg21.0000°,Azm254.0000° M_o5.63200×10^{17}								
NEIC	Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=65.0. Felt [IV] at Ica and [II] at Lima. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-2.43 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.34 $M_{\theta r}$-2.42 Best double couple: NP1:ϕ_s178.00000°,δ67.00000° ,λ95.00000°. NP2:ϕ_s346.00000°,δ23.00000°,λ78.00000°. Principal axes: T 3.4400,Plg67.0000°,Azm97.0000°; N 0.0200,Plg5.0000°,Azm357.0000° ; P -3.4600,Plg22.0000°,Azm265.0000° M_o3.50000×10^{17}								
NEIC	Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-1.93 $M_{r\theta}$-0.02 $M_{\theta\phi}$1.30 $M_{\theta r}$-4.03 Best double couple: NP1:ϕ_s172.00000° ,δ73.00000°,λ105.00000°. NP2:ϕ_s310.00000°,δ22.00000°,λ50.00000°. Principal axes: T 5.2500,Plg59.0000°,Azm102.0000°; N -0.6800,Plg13.0000°,Azm347.0000° ; P -4.5700,Plg26.0000°,Azm250.0000° M_o4.90000×10^{17}								

(256) Leyte

ISC	**VII**	**04 11 09 51.0–1.0**	**11.49N–.02**	**124.41E–.03**	**16–7**	**4.5b,3.9s**	**153**	**1-120**	
IDC	VII	04 11 09 48.0–.48	11.48N	124.56E	0	4.4,4.4			**¶601240446**
MAN	VII	04 11 09 48.5	11.52N	124.38E	3	5.6b,4.9s			
BJI	VII	04 11 09 48.9	11.33N	124.59E	21	4.8b,4.7b			
NEIC	VII	04 11 09 50.7–2.5	11.38N	124.44E	18–15	4.7b,4.7b			
GCMT	VII	04 11 09 50.7–.30	11.57N	124.42E	13–1	4.8W,4.7b			
ISCJB	VII	04 11 09 50.9–.69	11.48N–.02	124.46E–.02	29–5	4.5b,3.9s			
ISC	Event type fe.								
NEIC	Event type fe. Felt [V PIVS] at Calubian, [IV PIVS] at Leyte, [III PIVS] at Kananga and [II PIVS] at Matagob, Palompon and Tacloban. Also felt [V PIVS] at Naval and [IV PIVS] at Almeria, Culaba and Kawayan, Biliran Island. Felt [I PIVS] at Cebu City, Cebu.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s11,c12; s83,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.09 $M_{\theta\theta}$1.98±.09; $M_{\phi\phi}$-1.83±.10; $M_{r\theta}$-0.35±.20; $M_{\theta\phi}$-0.90±.07; $M_{\theta r}$-0.77±.25; Best double couple: NP1:ϕ_s59.00000°,δ79.00000°,λ-162.00000°. NP2:ϕ_s326.00000°,δ72.00000°,λ-12.00000°. Principal axes: T 2.1960,Plg5.0000°,Azm192.0000°; N 0.1450,Plg69.0000°,Azm90.0000° ; P -2.3440,Plg21.0000°,Azm283.0000° M_o2.27000×10^{16}								
ISCJB	Event type fe.								

(263) Talaud Islands

ISC	**VII**	**05 08 14 19.2–.35**	**5.13N–.03**	**126.64E–.04**	**60–2**	**5.2b,4.1s**	**1172**	**2-172**	
MAN	VII	05 08 14 14.4	4.64N	126.56E	71	5.9b,5.3s			**¶601242115**
BJI	VII	05 08 14 14.3	4.69N	126.64E	64	5.1b,5.0b			
MOS	VII	05 08 14 14.7–.93	5.15N	126.49E	34	5.5b,4.1s			
IDC	VII	05 08 14 16.9–1.3	5.16N	126.53E	39–10	5.5L,5.1			
ISCJB	VII	05 08 14 18.6–.32	5.09N–.01	126.58E–.02	72–3	5.1b,5.1			
DJA	VII	05 08 14 18.9–.30	5N–2.0	127E–2.0	80–4	5.7,5.7b			
NEIC	VII	05 08 14 19.3–.45	5.13N	126.55E	62–4	5.3b,5.7b			
GCMT	VII	05 08 14 19.3–.20	5.10N	126.71E	36–1	5.2W,5.7b			
KLM	VII	05 08 14 26.0	5.40N	126.62E	105	5.4b,5.7b			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=8.2km s-min=4.2km az=114.0.								
IDC	Error ellipse: s-maj=10.7km s-min=7.2km az=74.0.								
ISCJB	Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=159.3.								
NEIC	Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=78.0. Felt [I PIVS] at General Santos.								
GCMT	Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s64,c84; s96,c139; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.22 $M_{\theta\theta}$0.14±.15; $M_{\phi\phi}$-2.40±.17; $M_{r\theta}$-2.15±.19; $M_{\theta\phi}$-2.94±.11; $M_{\theta r}$6.31±.34; Best double couple: NP1:ϕ_s351.00000°,δ81.00000° ,λ64.00000°. NP2:ϕ_s244.00000°,δ27.00000°,λ161.00000°. Principal axes: T 8.1550,Plg47.0000°,Azm234.0000°; N -1.1350,Plg26.0000°,Azm355.0000° ; P -7.0190,Plg32.0000°,Azm103.0000° M_o7.58700×10^{16}								

(221) Kuril Islands

ISC	**VII**	**07 00 56 28.0–.31**	**45.42N–.04**	**151.35E–.03**	**32–1**	**5.1b,4.7s**	**1325**	**2-151**	
NIED	VII	07 00 56 00	45.40N	151.50E	20	5.1W,4.7s			**¶601243865**
ISCJB	VII	07 00 56 24.8–.64	45.37N–.02	151.42E–.02	23–4	5.0b,4.7s			
SKHL	VII	07 00 56 25.8–1.4	45.18N	151.67E	42–9	5.6b,5.0s			
JMA	VII	07 00 56 26.0–.50	45.44N	151.55E	30	5.2,5.0s			
MOS	VII	07 00 56 27.5–.95	45.44N	151.30E	40	5.3b,4.8s			
BJI	VII	07 00 56 28.3	45.41N	151.10E	40	5.3b,5.1b			
GCMT	VII	07 00 56 29.7–.30	45.46N	151.58E	27–0	5.1W,5.1b			
NEIC	VII	07 00 56 29.7–.56	45.47N	151.23E	44–5	5.1b,5.1b			
IDC	VII	07 00 56 29.3–1.9	45.45N	151.38E	43–17	4.8,4.7			
ISC	Event type se.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ25.00000°,λ93.00000°. NP2:ϕ_s43.00000°,δ65.00000°,λ89.00000°. M_o4.67000×10^{16}								
ISCJB	Event type se. Error ellipse: s-maj=4.1km s-min=1.8km az=160.9.								
JMA	Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.								
MOS	Error ellipse: s-maj=5.4km s-min=4.1km az=98.8.								
GCMT	Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s61,c97; s93,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.80±.15 $M_{\theta\theta}$-1.84±.10; $M_{\phi\phi}$-2.95±.10; $M_{r\theta}$0.97±.18; $M_{\theta\phi}$-2.42±.06; $M_{\theta r}$2.81±.17; Best double couple: NP1:ϕ_s29.00000°,δ61.00000° ,λ80.00000°. NP2:ϕ_s228.00000°,δ31.00000°,λ107.00000°. Principal axes: T 5.7160,Plg72.0000°,Azm275.0000°; N -0.0630,Plg9.0000°,Azm33.0000° ; P -5.6430,Plg15.0000°,Azm126.0000° M_o5.68000×10^{16}								
NEIC	Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=161.0.								
IDC	Error ellipse: s-maj=11.6km s-min=8.3km az=139.0.								

(190) New Ireland region

ISC	**VII**	**07 03 35 29.4–.32**	**4.71S–.03**	**153.34E–.03**	**44–2**	**5.5b,5.3s**	**1293**	**1-169**	
BJI	VII	07 03 35 25.4	4.49S	153.77E	31	5.5b,5.4b			**¶601505951**
ISCJB	VII	07 03 35 27.7–.65	4.69S–.02	153.30E–.02	40–5	5.5b,5.2s			
MOS	VII	07 03 35 27.2–.94	4.62S	153.33E	33	5.8b,5.2s			
IDC	VII	07 03 35 29.0–.83	4.70S	153.33E	38–5	5.4,5.2b			
GCMT	VII	07 03 35 28.6–.10	4.84S	153.22E	50–0	5.8W,5.2b			
NEIC	VII	07 03 35 28.6–.09	4.65S	153.30E	35	5.7W,5.7W			
NEIC	VII	07 03 35 29.0–.00	4.88S	153.27E	50	5.7W,5.7W			
DJA	VII	07 03 35 33.1–.60	5S–3.0	153E–3.0	80–6	6.0b,5.7			
ISC	Event type fe.								
ISCJB	Event type fe.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s132,c263; s134,c376;Duration: 1s8 Moment tensor: Scale 10^{17} Nm; M_{rr}3.22±.05 $M_{\theta\theta}$1.98±.04; $M_{\phi\phi}$-5.19±.04; $M_{r\theta}$-2.12±.05; $M_{\theta\phi}$0.70±.04; $M_{\theta r}$-1.08±.05; Best double couple: NP1:ϕ_s205.00000°,δ61.00000°,λ133.00000°. NP2:ϕ_s323.00000° ,δ50.00000°,λ39.00000°. Principal axes: T 4.9710,Plg53.0000°,Azm168.0000° ; N 0.3930,Plg37.0000°,Azm1.0000°; P -5.3530,Plg6.0000°,Azm266.0000° M_o5.16200×10^{17}								
NEIC	Event type fe. Felt at Arawa, Bougainville and at Rabaul, New Britain. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}4.75 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-4.73 $M_{r\theta}$-1.74 $M_{\theta\phi}$0.49 $M_{\theta r}$-1.14 Best double couple: NP1:ϕ_s193.00000°,δ54.00000°,λ113.00000°. NP2: ϕ_s337.00000°,δ42.00000°,λ62.00000°. Principal axes: T 5.4700,Plg71.0000°,Azm159.0000° ; N -0.5800,Plg18.0000°,Azm358.0000°; P -4.8900,Plg6.0000°,Azm266.0000° M_o5.20000×10^{17}								
NEIC	Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}3.01 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-4.10 $M_{r\theta}$-2.29 $M_{\theta\phi}$0.44 $M_{\theta r}$-1.23 Best double couple: NP1:ϕ_s205.00000° ,δ62.00000°,λ127.00000°. NP2:ϕ_s327.00000°,δ45.00000°,λ41.00000°. Principal axes: T 4.7100,Plg55.0000°,Azm165.0000°; N -0.4100,Plg32.0000°,Azm5.0000° ; P -4.3100,Plg9.0000°,Azm269.0000° M_o4.50000×10^{17}								

(259) Mindanao

ISC	**VII**	**07 13 38 17.6–.51**	**9.80N–.03**	**125.92E–.04**	**46–4**	**4.7b,3.7s**	**253**	**0-165**	
MAN	VII	07 13 38 13.6	9.85N	125.90E	1	5.6b,4.9s			**¶601243992**
BJI	VII	07 13 38 15.6	9.61N	126.34E	67	4.9b,4.9b			
DJA	VII	07 13 38 17.5–1.1	10N–6.0	126E–6.0	39–9	5.8,5.2b			
ISCJB	VII	07 13 38 17.0–.45	9.83N–.02	125.96E–.04	58–4	4.7b,3.7s			
IDC	VII	07 13 38 18.4–1.4	9.81N	125.71E	54–12	4.7,4.5			
NEIC	VII	07 13 38 19.1–.94	9.78N	125.82E	66–9	4.9b,4.5			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=5.9km s-min=3.0km az=166.1.								
IDC	Error ellipse: s-maj=15.0km s-min=7.7km az=76.0.								
NEIC	Event type fe. Error ellipse: s-maj=8.6km s-min=4.8km az=82.0. Felt [IV PIVS] at Dapa and Del Carmen; [III PIVS] at Cantilan; [II PIVS] at Mainit and Surigao. Felt [II PIVS] at Loreto, Dinagat Island.								

(221) Kuril Islands

ISC	**VII**	**08 11 33 05.3–.26**	**45.42N–.03**	**151.39E–.03**	**38–1**	**5.7s,5.7b**	**2356**	**2-153**	
IDC	VII	08 11 32 59.4–.30	45.49N	151.38E	0	5.8,5.8s			**¶601244234**
ISCJB	VII	08 11 32 59.9–.56	45.42N–.02	151.42E–.01	12–3	5.7s,5.6b			
JMA	VII	08 11 33 00.9–.60	45.42N	151.74E	30	6.2,5.6b			
NIED	VII	08 11 33 00	45.40N	151.70E	20	6.0W,5.6b			
BJI	VII	08 11 33 01.2	45.49N	151.28E	24	6.2s,6.1			
SKHL	VII	08 11 33 02.5–.80	45.20N	151.72E	43–7	6.0b,5.9s			
NEIC	VII	08 11 33 02.9–.08	45.50N	151.29E	20	6.0W,5.8W			
GCMT	VII	08 11 33 02.9–.10	45.46N	151.50E	23–0	6.0W,5.8W			
NEIC	VII	08 11 33 03.0–.00	45.54N	151.29E	30	6.0W,5.8W			
MOS	VII	08 11 33 04.0–1.1	45.48N	151.33E	43	5.9s,5.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=9.9km s-min=8.2km az=117.0.								
ISCJB	Event type fe. Error ellipse: s-maj=3.1km s-min=1.4km az=160.6.								
JMA	Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ38.00000°,λ110.00000°. NP2:ϕ_s39.00000°,δ55.00000°,λ75.00000°. M_o1.10000×10^{18}								
NEIC	Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=157.0. Recorded [1 JMA] in eastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s98 Moment tensor: Scale 10^{17} Nm; M_{rr}4.63 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$-3.44 $M_{r\theta}$2.48 $M_{\theta\phi}$-1.72 $M_{\theta r}$3.96 Best double couple: NP1: ϕ_s206.00000°,δ22.00000°,λ86.00000°. NP2:ϕ_s31.00000°,δ68.00000°,λ92.00000°. Principal axes: T 6.6200,Plg67.0000°,Azm304.0000°; N -0.2700,Plg2.0000°,Azm210.0000° ; P -6.3500,Plg23.0000°,Azm120.0000° M_o6.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s249.00000°,δ18.00000°,λ123.00000°. NP2: ϕ_s35.00000°,δ75.00000°,λ80.00000°. Principal axes: T Plg59.0000°,Azm291.0000° ; N Plg0.0000°,Azm0.0000°; P Plg29.0000°,Azm133.0000°								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s128,c279; s139,c463;Duration: 2s3 Moment tensor: Scale 10^{18} Nm; M_{rr}0.91±.01 $M_{\theta\theta}$-0.36±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.22±.01; $M_{\theta\phi}$-0.50±.00; $M_{\theta r}$0.53±.01; Best double couple: NP1:ϕ_s31.00000°,δ61.00000°,λ80.00000°. NP2:ϕ_s230.00000° ,δ31.00000°,λ106.00000°. Principal axes: T 1.0830,Plg73.0000°,Azm278.0000° ; N 0.0320,Plg8.0000°,Azm35.0000°; P -1.1160,Plg15.0000°,Azm128.0000° M_o1.10000×10^{18}								
NEIC	Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.25 $M_{\theta r}$1.01 Best double couple: NP1:ϕ_s31.00000° ,δ78.00000°,λ85.00000°. NP2:ϕ_s233.00000°,δ13.00000°,λ112.00000°. Principal axes: T 1.3000,Plg56.0000°,Azm294.0000°; N -0.0400,Plg4.0000°,Azm31.0000° ; P -1.2500,Plg32.0000°,Azm124.0000° M_o1.30000×10^{18}								
MOS	Error ellipse: s-maj=4.9km s-min=3.8km az=101.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ58.00000°,λ78.00000°. NP2: ϕ_s215.00000°,δ34.00000°,λ109.00000°. Principal axes: T Plg73.0000°,Azm250.0000° ; N Plg11.0000°,Azm18.0000°; P Plg13.0000°,Azm111.0000° M_o1.20000×10^{19}								

(221) Kuril Islands

ISC	**VII**	**08 11 47 15.7–.74**	**45.29N–.06**	**151.45E–.05**	**18–3**	**4.5b**	**302**	**3-152**	
IDC	VII	08 11 47 12.9–.58	45.40N	151.38E	0	5.4L,4.8			**¶601244235**
NEIC	VII	08 11 47 15.6–.43	45.41N	151.10E	10	4.9b,4.8			
SKHL	VII	08 11 47 16.7–.30	45.18N	151.60E	43–7	5.2b,4.8			
JMA	VII	08 11 47 16.8–.60	45.49N	151.47E	30	4.7,4.8			
ISCJB	VII	08 11 47 17.4–.58	45.41N–.04	151.28E–.05	35–4	5.8s,4.4b			
MOS	VII	08 11 47 18.4–.94	45.45N	151.22E	44	4.8b,4.4b			
BJI	VII	08 11 47 19.3	45.70N	150.80E	10	5.1s,5.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=15.6km s-min=14.2km az=138.0.								
NEIC	Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=139.0.								
JMA	Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.0km s-min=3.5km az=140.5.								
MOS	Error ellipse: s-maj=7.3km s-min=5.6km az=100.0.								

(221) Kuril Islands

ISC	**VII**	**09 01 34 27.5–.96**	**45.10N–.05**	**151.45E–.05**	**28–6**	**4.7b,3.9s**	**395**	**3-153**	
NIED	VII	09 01 34 00	45.60N	151.50E	26	4.5W,3.9s			**¶601246363**
IDC	VII	09 01 34 24.4–.49	45.44N	151.28E	0	4.4,4.3			
SKHL	VII	09 01 34 26.4–.40	45.07N	151.74E	54–6	5.6b,4.3			
JMA	VII	09 01 34 26.5–.50	45.55N	151.50E	30	5.0,4.3			

ISCJB	VII	09 01 34 27.5–.62	45.23N–.04	151.39E–.06	36–4	4.5b,3.9s	
MOS	VII	09 01 34 28.0–.98	45.34N	151.38E	38	4.8b,3.9s	
NEIC	VII	09 01 34 36.9–.34	46.50N	149.27E	10	4.7b,3.9s	

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ42.00000°,λ100.00000°. NP2:ϕ_s36.00000°,δ49.00000°,λ81.00000°. M_o5.50000×10^{15}

IDC Error ellipse: s-maj=14.5km s-min=11.8km az=149.0.

JMA Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.1km az=140.0.

MOS Error ellipse: s-maj=6.6km s-min=5.0km az=109.5.

NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.6km az=170.0.

(371) Eastern Mediterranean Sea

ISC	**VII**	**09 13 55 00.6–.30**	**35.60N–.02**	**28.95E–.02**	**57–2**	**5.6b,4.8s**	**2886**	**1-168**
BJI	VII	09 13 54 55.8	35.26N	28.54E	61	5.4b,5.3b		**¶601252236**
ISK	VII	09 13 54 57.8	35.58N	29.01E	23–0	6.0L,5.3b		
PDG	VII	09 13 54 58.2–.82	35.46N	29.01E	50–16	5.5L,5.3b		
GII	VII	09 13 54 58.0–.76	35.40N	28.86E	54	5.6,5.4b		
NIC	VII	09 13 54 58.4–.30	35.52N	28.88E	50	5.7L,5.6b		
ISCJB	VII	09 13 54 58.5–.13	35.54N–.01	28.966E–.01	53–1	5.6b,4.8s		
MOS	VII	09 13 54 59.4–1.0	35.62N	28.93E	56	5.9b,4.7s		
ATH	VII	09 13 54 59.6	35.62N	28.87E	43–11	5.4L,4.7s		
PDA	VII	09 13 54 59.8	35.52N	28.88E	50	5.7W,4.7s		
NEIC	VII	09 13 55 00.0–.00	35.62N	28.93E	56	5.7W,4.7s		
DDA	VII	09 13 55 00.4	35.71N	28.86E	40	6.0L,4.7s		
IDC	VII	09 13 55 00.7–1.4	35.63N	28.94E	52–12	5.5,5.3		
GCMT	VII	09 13 55 00.6–.10	35.36N	28.96E	71–1	5.8W,5.3		
NEIC	VII	09 13 55 00.6–.28	35.60N	28.92E	56–2	5.6W,5.6W		
SFS	VII	09 13 55 01.0	35.67N	28.78E	0	5.8L,5.6W		
THE	VII	09 13 55 01.3	35.61N	28.97E	62–4	5.5L,5.6W		
CSEM	VII	09 13 55 01.0–.05	35.61N	28.95E	60	5.9L,5.7W		
NSSC	VII	09 13 55 12.6–.78	35.80N	30.35E	38–999	5.5L,5.7W		

ISC Event type fe.

ISK Event type ke.

PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.

GII Event type ke.

NIC Event type fe. Felt I=II MM at Pafos, Lemesos and Lefkosia.

ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=13.0.

MOS Error ellipse: s-maj=4.3km s-min=2.3km az=96.6.

ATH Event type ke. Error ellipse: s-maj=13.4km s-min=0.6km az=108.0.

NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$-3.59 $M_{\phi\phi}$3.03 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.28 $M_{\phi r}$0.79 Best double couple: NP1:ϕ_s316.00000° ,δ84.00000°,λ163.00000°. NP2:ϕ_s48.00000°,δ73.00000°,λ6.00000°. Principal axes: T 3.2700,Plg16.0000°,Azm271.0000°; N 0.4200,Plg71.0000°,Azm118.0000° ; P -3.6800,Plg7.0000°,Azm3.0000° M_o3.50000×10^{17}

DDA Event type ke.

IDC Error ellipse: s-maj=7.7km s-min=7.0km az=135.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c195; s103,c245;Duration: 1♀8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.05 $M_{\theta\theta}$-5.24±.06; $M_{\phi\phi}$4.83±.06; $M_{r\theta}$-0.52±.06; $M_{\theta\phi}$0.57±.06; $M_{\phi r}$0.76±.06; Best double couple: NP1: ϕ_s318.00000°,δ87.00000°,λ170.00000°. NP2:ϕ_s48.00000°,δ80.00000°,λ3.00000°. Principal axes: T 4.9810,Plg9.0000°,Azm273.0000°; N 0.3490,Plg79.0000°,Azm125.0000° ; P -5.3270,Plg6.0000°,Azm4.0000° M_o5.15400×10^{17}

NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=189.0. Felt [IV] at Limassol and [II] at Nicosia, Cyprus. Also felt at Dhoros, Evdhimou, Kyrenia, Mazotos, Paphos, Pissouri and Yioulou. Felt [III] at Al Jizah and Cairo, Egypt. Also felt at Alexandria. Felt [III] at Antalya, Fethiye and Marmaris; [II] at Alanya and Kas, Turkey. Also felt at Manavgat and Serik. Felt at Bat Yam, Qiryat Motzkin and Tel Aviv-Yafo, Israel. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-3.65 $M_{\phi\phi}$3.48 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.53 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s139.00000°,δ90.00000°,λ-167.00000°. NP2:ϕ_s49.00000° ,δ77.00000°,λ0.00000°. Principal axes: T 3.6100,Plg9.0000°,Azm273.0000° ; N 0.1900,Plg77.0000°,Azm140.0000°; P -3.8000,Plg9.0000°,Azm5.0000° M_o3.70000×10^{17}

SFS Event type ke.

THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.7km az=47.0.

CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=5.0.

NSSC Error ellipse: s-maj=30.3km s-min=81.0km az=-1.0.

(406) Central Mid-Atlantic Ridge

ISC	**VII**	**09 15 40 22.2–.40**	**0.84N–.09**	**29.15W–.08**	**16**	**4.6b,3.9s**	**72**	**9-155**
ISCJB	VII	09 15 40 20.7–.32	0.88N–.07	29.11W–.05	16	4.5b,3.9s		**¶601252240**
BJI	VII	09 15 40 20.0	0.80N	29.10W	10	5.5s,5.3		
IDC	VII	09 15 40 20.1–.48	0.83N	29.13W	0	4.5,4.3b		
NEIC	VII	09 15 40 21.2–.24	0.82N	29.13W	10	4.8b,4.3b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.9km az=156.7.

IDC Error ellipse: s-maj=17.6km s-min=11.9km az=149.0.

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=147.0.

(171) South of Fiji Islands

ISC	**VII**	**10 02 28 13.2–.60**	**25.11S–.04**	**176.09W–.05**	**26–3**	**5.1b,4.4s**	**672**	**4-177**
BJI	VII	10 02 28 08.5	25.20S	176.30W	8	5.5b,5.3b		**¶601505962**
IDC	VII	10 02 28 09.2–.41	24.64S	176.35W	0	5.7L,5.1		
ISCJB	VII	10 02 28 09.1–1.6	25.09S–.03	176.42W–.04	4–10	5.1b,4.4s		
NEIC	VII	10 02 28 12.0–.50	25.14S	176.41W	17–3	5.1b,4.4s		
GCMT	VII	10 02 28 12.0–.20	24.75S	175.93W	39–1	5.2W,4.4s		
MOS	VII	10 02 28 14.0–1.4	24.84S	176.54W	33	5.3b,4.6s		

ISC Event type se.

IDC Error ellipse: s-maj=16.3km s-min=14.1km az=119.0.

ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=37.4.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=134.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s77,c110; s109,c175; Duration: 1♀0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25±.02 $M_{\theta\theta}$0.61±.02; $M_{\phi\phi}$-0.86±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$0.12±.02; Best double couple: NP1:ϕ_s331.00000°,δ71.00000° ,λ23.00000°. NP2:ϕ_s233.00000°,δ68.00000°,λ160.00000°. Principal axes: T 0.8880,Plg29.0000°,Azm193.0000°; N 0.0550,Plg61.0000°,Azm8.0000° ; P -0.9430,Plg2.0000°,Azm102.0000° M_o0.91600×10^{17}

MOS Error ellipse: s-maj=11.4km s-min=9.1km az=78.7.

(196) Irian Jaya region

ISC	**VII**	**10 10 26 58.2–.24**	**1.68S–.03**	**134.28E–.03**	**21–1**	**5.1b,4.4s**	**490**	**0-152**
BJI	VII	10 10 26 52.8	2.16S	134.69E	32	5.1b,5.1b		**¶601261437**
IDC	VII	10 10 26 54.8–.40	1.65S	134.26E	0	4.9,4.9		
ISCJB	VII	10 10 26 56.5–.49	1.68S–.02	134.32E–.02	22–3	5.1b,4.4s		
DJA	VII	10 10 26 57.9–.20	2S–3.0	134E–2.0	10	5.8,5.7b		
MOS	VII	10 10 26 57.9–1.1	1.68S	134.26E	33	5.2b,4.4s		
GCMT	VII	10 10 26 59.6–.10	1.55S	134.30E	20–1	5.2W,4.4s		
NEIC	VII	10 10 26 59.6–1.3	1.69S	134.25E	30–9	5.2b,4.4s		

ISC Event type fe.

IDC Error ellipse: s-maj=14.2km s-min=10.0km az=76.0.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=157.5.

MOS Error ellipse: s-maj=9.6km s-min=5.4km az=106.3.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s72,c116; s113,c183; Duration: 1♀0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.18 $M_{\theta\theta}$-2.09±.14; $M_{\phi\phi}$0.70±.17; $M_{r\theta}$0.18±.28; $M_{\theta\phi}$7.75±.14; $M_{\phi r}$4.49±.40; Best double couple: NP1:ϕ_s353.00000°,δ83.00000° ,λ150.00000°. NP2:ϕ_s87.00000°,δ60.00000°,λ8.00000°. Principal axes: T 8.9600,Plg26.0000°,Azm305.0000°; N 0.3590,Plg59.0000°,Azm160.0000° ; P -9.3210,Plg15.0000°,Azm43.0000° M_o9.14000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.8km az=57.0. Felt [III] at Bintuni and Manokwari.

(193) Bougainville-Solomon Islands region

ISC	**VII**	**11 00 16 10.6–.75**	**8.46S–.04**	**156.43E–.04**	**13–4**	**5.2b,4.7s**	**502**	**4-161**
BJI	VII	11 00 16 08.1	8.12S	156.60E	5	5.3b,5.1b		**¶601261267**
IDC	VII	11 00 16 08.0–.37	8.46S	156.44E	0	5.0,4.9		
ISCJB	VII	11 00 16 08.8–.14	8.47S–.03	156.29E–.02	10	5.2b,4.7s		
GCMT	VII	11 00 16 10.0–.10	8.53S	156.41E	13–0	5.3W,4.7s		
NEIC	VII	11 00 16 10.0–.17	8.44S	156.28E	10	5.3W,5.2b		
MOS	VII	11 00 16 12.5–1.3	8.39S	156.22E	33	5.4b,4.7s		
DJA	VII	11 00 16 17.6–5.6	9S–15	156E–41	55–29	5.9b,5.6b		

ISC Event type fe.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s105,c175; s117,c224;Duration: 1♀1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$0.99±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.10±.04; $M_{\theta\phi}$0.60±.02; $M_{\phi r}$-0.40±.05; Best double couple: NP1:ϕ_s31.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s299.00000° ,δ80.00000°,λ-10.00000°. Principal axes: T 1.1460,Plg0.0000°,Azm165.0000° ; N 0.2760,Plg75.0000°,Azm74.0000°; P -1.4240,Plg15.0000°,Azm255.0000° M_o1.28500×10^{17}

NEIC Event type fe. Felt at Honiara. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$0.79 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.22 $M_{\theta\phi}$0.74 $M_{\phi r}$0.05 Best double couple: NP1:ϕ_s117.00000° ,δ80.00000°,λ11.00000°. NP2:ϕ_s25.00000°,δ79.00000°,λ170.00000°. Principal axes: T 1.1100,Plg15.0000°,Azm341.0000°; N 0.1900,Plg75.0000°,Azm157.0000° ; P -1.3000,Plg1.0000°,Azm251.0000° M_o1.20000×10^{17}

(221) Kuril Islands

ISC	**VII**	**11 02 31 19.0–.30**	**45.36N–.03**	**151.46E–.03**	**26–1**	**5.6s,5.6b**	**2196**	**3-160**
NIED	VII	11 02 31 00	45.40N	152.00E	26	5.7W,5.6b		**¶601268249**
ISCJB	VII	11 02 31 14.7–.54	45.28N–.02	151.62E–.01	13–3	5.6s,5.5b		
JMA	VII	11 02 31 14.0–.70	45.37N	152.02E	30	5.8,5.5b		
BJI	VII	11 02 31 14.7	45.44N	151.44E	11	6.0s,5.9		
IDC	VII	11 02 31 14.4–.34	45.35N	151.54E	0	5.6,5.6s		
SKHL	VII	11 02 31 15.8–.20	45.02N	151.88E	40–7	6.3b,6.1s		
GCMT	VII	11 02 31 16.7–.10	45.29N	151.83E	19–0	5.7W,6.1s		
NEIC	VII	11 02 31 16.7–.10	45.40N	151.42E	10	5.7W,5.7W		
NEIC	VII	11 02 31 17.0–.00	45.51N	151.47E	23	5.7W,5.7W		
MOS	VII	11 02 31 18.5–1.2	45.36N	151.49E	37	5.7b,5.7s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ52.00000°,λ37.00000°. NP2:ϕ_s234.00000°,δ62.00000°,λ136.00000°. M_o4.27000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=1.4km az=161.8.

JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.

IDC Error ellipse: s-maj=10.7km s-min=8.7km az=128.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s110,c219; s129,c340;Duration: 1♀7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.25±.05 $M_{\theta\theta}$-1.37±.03; $M_{\phi\phi}$-1.88±.03; $M_{r\theta}$1.16±.08; $M_{\theta\phi}$-1.81±.02; $M_{\phi r}$2.35±.09; Best double couple: NP1:ϕ_s32.00000° ,δ64.00000°,λ82.00000°. NP2:ϕ_s231.00000°,δ27.00000°,λ107.00000°. Principal axes: T 4.2000,Plg70.0000°,Azm284.0000°; N 0.1130,Plg8.0000°,Azm36.0000° ; P -4.3130,Plg19.0000°,Azm128.0000° M_o4.25700×10^{17}

NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=160.0. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.69 $M_{\theta\phi}$-1.92 $M_{\phi r}$2.18 Best double couple: NP1:ϕ_s265.00000°,δ28.00000°,λ131.00000°. NP2:ϕ_s40.00000° ,δ70.00000°,λ71.00000°. Principal axes: T 3.5300,Plg61.0000°,Azm282.0000° ; N 0.7700,Plg18.0000°,Azm47.0000°; P -4.3000,Plg22.0000°,Azm145.0000° M_o4.40000×10^{17}

NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-0.77 $M_{r\theta}$2.17 $M_{\theta\phi}$-0.66 $M_{\phi r}$3.15 Best double couple: NP1:ϕ_s35.00000° ,δ80.00000°,λ87.00000°. NP2:ϕ_s231.00000°,δ11.00000°,λ105.00000°. Principal axes: T 4.1500,Plg55.0000°,Azm301.0000°; N -0.1300,Plg2.0000°,Azm35.0000° ; P -4.0200,Plg34.0000°,Azm127.0000° M_o4.10000×10^{17}

MOS Error ellipse: s-maj=5.2km s-min=3.9km az=104.1.

(221) Kuril Islands

ISC	**VII**	**11 02 50 01.3–.50**	**45.27N–.05**	**151.62E–.04**	**42–3**	**5.1b**	**1049**	**3-153**
IDC	VII	11 02 49 55.4–.46	45.36N	151.52E	0	5.6L,4.9		**¶601261273**
ISCJB	VII	11 02 49 57.0–.78	45.32N–.03	151.61E–.02	21–5	5.0b,4.9		
JMA	VII	11 02 49 56.9–.80	45.39N	151.84E	30	5.1,4.9		
NEIC	VII	11 02 49 57.5–.17	45.38N	151.44E	10	5.1b,4.9		
GCMT	VII	11 02 49 57.5–.60	45.34N	151.82E	30–1	5.0W,4.9		
SKHL	VII	11 02 49 58.9–.70	45.17N	151.78E	44–7	5.8b,5.3s		
MOS	VII	11 02 49 59.9–1.0	45.39N	151.51E	38	5.3b,5.3s		
BJI	VII	11 02 50 00.5	45.43N	151.50E	46	5.6b,5.2b		

ISC Event type se.

IDC Error ellipse: s-maj=13.3km s-min=10.3km az=149.0.

ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.2km az=165.1.

JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=166.0.

GCMT Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s16,c17; s58,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.38 $M_{\theta\theta}$-1.35±.22; $M_{\phi\phi}$-2.45±.23; $M_{r\theta}$0.85±.27; $M_{\theta\phi}$-1.69±.10; $M_{\phi r}$0.59±.25; Best double couple: NP1:ϕ_s41.00000°,δ52.00000° ,λ96.00000°. NP2:ϕ_s211.00000°,δ38.00000°,λ82.00000°. Principal axes: T 3.9520,Plg81.0000°,Azm339.0000°; N -0.1500,Plg5.0000°,Azm217.0000° ; P -3.8020,Plg7.0000°,Azm127.0000° M_o3.87700×10^{16}

MOS Error ellipse: s-maj=5.7km s-min=4.0km az=106.4.

(173) Tonga Islands

ISC	**VII**	**11 03 57 13.4–.35**	**16.18S–.08**	**174.65W–.07**	**10**	**4.9s,4.8b**	**251**	**4-175**
IDC	VII	11 03 57 10.6–.49	15.98S	174.65W	0	4.9,4.9s		**¶601263764**
ISCJB	VII	11 03 57 11.6–.18	16.13S–.05	174.72W–.05	10	4.9s,4.7b		
NEIC	VII	11 03 57 14.4–1.0	16.10S	174.68W	19–6	4.8b,4.7b		
BJI	VII	11 03 57 14.4	16.08S	174.61W	16	5.5b,5.1b		
GCMT	VII	11 03 57 14.4–.10	15.78S	174.53W	12–0	5.4W,5.1b		

ISC Event type se.

IDC Error ellipse: s-maj=19.5km s-min=13.5km az=127.0.

ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=137.2.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.7km az=135.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s86,c127; s123,c226; Duration: 1♀2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$-1.25±.02; $M_{\phi\phi}$1.47±.03; $M_{r\theta}$-0.21±.06; $M_{\theta\phi}$-0.59±.02; $M_{\phi r}$0.65±.08; Best double couple: NP1:ϕ_s302.00000°,δ80.00000° ,λ164.00000°. NP2:ϕ_s35.00000°,δ74.00000°,λ10.00000°. Principal axes: T 1.8200,Plg18.0000°,Azm258.0000°; N -0.4410,Plg71.0000°,Azm92.0000° ; P -1.3800,Plg4.0000°,Azm349.0000° M_o1.60000×10^{17}

(115) Near coast of Peru

ISC	**VII**	**11 20 52 39.0–.28**	**15.43S–.04**	**75.55W–.04**	**26**	**5.2s,5.1b**	**818**	**4-174**
IDC	VII	11 20 52 34.3–.43	15.30S	75.35W	0	5.0,5.0s		**¶601265439**
NEIC	VII	11 20 52 37.0–2.0	15.28S	75.29W	14–12	5.4W,5.1b		
ISCJB	VII	11 20 52 37.2–.18	15.25S–.03	75.71W–.04	33	5.1s,5.0b		
GCMT	VII	11 20 52 37.0–.20	15.39S	75.67W	21–0	5.5W,5.0b		
MOS	VII	11 20 52 38.7–1.3	15.22S	75.33W	35	5.2b,5.1s		
BJI	VII	11 20 52 39.5	15.30S	75.40W	25	5.5s,5.3		

ISC Event type fe.

IDC Error ellipse: s-maj=17.9km s-min=10.9km az=67.0.

NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.6km az=70.0. Felt [II] at Ica, Nazca and Palpa. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.11 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.16 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.78 $M_{\phi r}$-1.19 Best double couple: NP1:ϕ_s177.00000°,δ68.00000° ,λ114.00000°. NP2:ϕ_s308.00000°,δ32.00000°,λ45.00000°. Principal axes: T 1.7400,Plg60.0000°,Azm121.0000°; N 0.1700,Plg22.0000°,Azm348.0000° ; P -1.9100,Plg20.0000°,Azm249.0000° M_o1.80000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=151.9.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s85,c150; s111,c239;Duration: 1♀4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-1.65±.03; $M_{r\theta}$0.26±.04; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$-1.74±.07; Best double couple: NP1: ϕ_s169.00000°,δ67.00000°,λ97.00000°. NP2:ϕ_s331.00000°,δ24.00000°,λ74.00000°. Principal axes: T 2.4320,Plg67.0000°,Azm91.0000°; N 0.1550,Plg6.0000°,Azm346.0000° ; P -2.5860,Plg22.0000°,Azm253.0000° M_o2.50900×10^{17}

MOS Error ellipse: s-maj=13.7km s-min=6.4km az=107.4.

(406) Central Mid-Atlantic Ridge

ISC	**VII**	**12 04 04 14.0–.31**	**0.42S–.05**	**19.80W–.05**	**19**	**4.9b,4.3s**	**723**	**9-148**
MOS	VII	12 04 04 11.1–.91	0.35S	19.74W	10	5.1b,4.3s		**¶601266303**
ISCJB	VII	12 04 04 11.9–.20	0.48S–.04	19.81W–.02	19	4.8b,4.4s		
IDC	VII	12 04 04 11.5–.39	0.42S	19.76W	0	4.9L,4.6		
NEIC	VII	12 04 04 12.9–.15	0.43S	19.78W	10	4.9b,4.6		
BJI	VII	12 04 04 12.0	0.50S	19.80W	10	5.5b,5.4b		
GCMT	VII	12 04 04 12.9–.20	0.35S	19.76W	25–0	5.2W,5.4b		

ISC Event type se.

MOS Error ellipse: s-maj=11.2km s-min=5.0km az=56.3.

ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=166.2.

IDC Error ellipse: s-maj=12.8km s-min=10.2km az=150.0.

NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.0km az=169.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s67,c106; s107,c182; Duration: 1♀0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.16 $M_{\theta\theta}$2.11±.14; $M_{\phi\phi}$-1.63±.14; $M_{r\theta}$2.34±.31; $M_{\theta\phi}$-6.96±.12; $M_{\phi r}$-1.30±.30; Best double couple: NP1:ϕ_s81.00000°,δ81.00000° ,λ165.00000°. NP2:ϕ_s174.00000°,δ75.00000°,λ9.00000°. Principal axes: T 8.2510,Plg17.0000°,Azm37.0000°; N -1.2520,Plg73.0000°,Azm230.0000° ; P -6.9920,Plg4.0000°,Azm128.0000° M_o7.62200×10^{16}

(221) Kuril Islands

ISC	**VII**	**12 12 51 58.9–.44**	**45.37N–.03**	**151.76E–.03**	**14–2**	**5.7s,5.5b**	**2096**	**3-154**
NIED	VII	12 12 51 00	45.40N	152.10E	23	5.7W,5.5b		¶601268264
IDC	VII	12 12 51 56.8–.29	45.45N	151.73E	0	5.7,5.7s		
JMA	VII	12 12 51 57.3–.50	45.45N	152.09E	30	5.6,5.7s		
ISCJB	VII	12 12 51 57.3–.56	45.38N–.02	151.81E–.01	14–3	5.7s,5.4b		
NEIC	VII	12 12 51 58.9–.49	45.45N	151.67E	12–3	5.8W,5.7W		
GCMT	VII	12 12 51 58.9–.10	45.32N	152.18E	14–0	5.7W,5.7W		
SKHL	VII	12 12 51 59.1–.40	45.15N	152.06E	46–9	6.3b,6.0s		
BJI	VII	12 12 51 59.9	45.27N	151.61E	29	6.0s,5.9		
MOS	VII	12 12 52 00.5–1.0	45.40N	151.74E	37	5.8s,5.7b		
NEIC	VII	12 12 52 02.0–.00	45.36N	152.12E	11	5.8s,5.7b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ52.00000°,λ19.00000°. NP2:ϕ_s237.00000°,δ76.00000°,λ140.00000°. $M_0$4.34000×10^{17}

IDC Error ellipse: s-maj=9.5km s-min=7.6km az=125.0.

JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.5km az=163.5.

NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.8km az=160.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$-0.76 $M_{r\theta}$2.46 $M_{\theta\phi}$-0.80 $M_{\phi r}$2.90 Best double couple: NP1:ϕ_s242.00000°,δ14.00000°,λ109.00000°. NP2:ϕ_s42.00000°,δ77.00000°,λ85.00000°. Principal axes: T 4.4000,Plg58.0000°,Azm306.0000°; N -0.2600,Plg5.0000°,Azm43.0000°; P -4.1500,Plg31.0000°,Azm136.0000° $M_0$4.30000×10^{17}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c227; s134,c375;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.62±.04 $M_{\theta\theta}$-1.44±.03; $M_{\phi\phi}$-2.18±.03; $M_{r\theta}$0.91±.07; $M_{\theta\phi}$-2.00±.03; $M_{\phi r}$1.80±.08; Best double couple: NP1:ϕ_s33.00000°,δ59.00000°,λ83.00000°. NP2:ϕ_s227.00000°,δ31.00000°,λ101.00000°. Principal axes: T 4.1550,Plg75.0000°,Azm285.0000°; N 0.1770,Plg6.0000°,Azm37.0000° ; P -4.3320,Plg14.0000°,Azm128.0000° $M_0$4.24400×10^{17}

MOS Error ellipse: s-maj=5.0km s-min=4.0km az=101.9.

NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}2.93 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-1.83 $M_{r\theta}$2.02 $M_{\theta\phi}$-1.91 $M_{\phi r}$4.42 Best double couple: NP1:ϕ_s27.00000°,δ74.00000°,λ81.00000°. NP2:ϕ_s235.00000°,δ18.00000°,λ117.00000°. Principal axes: T 5.6700,Plg60.0000°,Azm284.0000°; N 0.2900,Plg8.0000°,Azm29.0000° ; P -5.9700,Plg28.0000°,Azm123.0000° $M_0$5.80000×10^{17}

(272) Seram

ISC	**VII**	**12 15 40 16.8–.20**	**2.92S–.03**	**129.35E–.03**	**39–2**	**5.3b,5.0s**	**701**	**1-170**
KLM	VII	12 15 40 11.0	3.03S	129.57E	4	5.7b,5.0s		¶601268268
IDC	VII	12 15 40 11.2–.29	2.87S	129.24E	0	5.0,5.0b		
GCMT	VII	12 15 40 12.6–.10	2.82S	129.20E	22–0	5.5W,5.0b		
NEIC	VII	12 15 40 12.6–.40	2.89S	129.32E	10–2	5.5b,5.1s		
ISCJB	VII	12 15 40 13.5–.58	2.91S–.02	129.38E–.02	28–4	5.3b,4.9s		
MOS	VII	12 15 40 14.8–1.1	2.85S	129.33E	33	5.4b,4.8s		
DJA	VII	12 15 40 18.2–.20	3S–2.0	129E–1.0	44–2	5.9b,5.8		

ISC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s113,c187; s123,c225;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.03 $M_{\theta\theta}$-1.50±.02; $M_{\phi\phi}$1.36±.03; $M_{r\theta}$-0.03±.03; $M_{\theta\phi}$0.97±.02; $M_{\phi r}$0.89±.05; Best double couple: NP1:ϕ_s330.00000°,δ80.00000°,λ156.00000°. NP2:ϕ_s65.00000°,δ66.00000°,λ11.00000°. Principal axes: T 2.0370,Plg24.0000°,Azm285.0000° ; N -0.1910,Plg64.0000°,Azm128.0000°; P -1.8460,Plg9.0000°,Azm19.0000° $M_0$1.94200×10^{17}

NEIC Event type se.

ISCJB Event type se.

(259) Mindanao

ISC	**VII**	**12 19 21 56.1–.92**	**5.92N–.04**	**126.32E–.06**	**54–8**	**4.3b,3.7s**	**81**	**1-142**
MAN	VII	12 19 21 51.8	5.86N	126.43E	13	5.5b,4.7s		¶601271926
DJA	VII	12 19 21 53.0–1.8	6N–16	127E–7.0	120–31	4.8b,4.3		
BJI	VII	12 19 21 53.0	6.10N	126.70E	42	4.8b,4.5b		
IDC	VII	12 19 21 55.1–1.4	6.03N	126.32E	44–12	4.3,4.1		
NEIC	VII	12 19 21 56.7–1.4	6.00N	126.33E	62–12	4.5b,4.1		
ISCJB	VII	12 19 21 56.3–.49	5.97N–.03	126.29E–.06	70–4	4.2b,4.1		

ISC Event type se.

NEIC Event type se.

ISCJB Event type se.

(221) Kuril Islands

ISC	**VII**	**14 03 44 02.4–.33**	**45.43N–.03**	**151.50E–.03**	**44–2**	**5.2b,5.1s**	**1715**	**3-153**
NIED	VII	14 03 43 00	45.50N	151.90E	20	5.3W,5.1s		¶601273530
JMA	VII	14 03 43 57.0–.90	45.47N	151.90E	30	5.3,5.1s		
GCMT	VII	14 03 43 58.0–.10	45.49N	151.67E	22–0	5.3W,5.1s		
NEIC	VII	14 03 43 58.0–.11	45.54N	151.33E	10	5.2W,5.2b		
ISCJB	VII	14 03 43 59.9–.34	45.45N–.02	151.48E–.02	36–3	5.2b,5.0s		
SKHL	VII	14 03 44 00.6–.50	45.20N	151.71E	55–5	5.9b,5.4s		
MOS	VII	14 03 44 01.4–1.1	45.49N	151.38E	47	5.5b,5.1s		
IDC	VII	14 03 44 02.8–.39	45.51N	151.45E	46–4	5.0,4.8		
BJI	VII	14 03 44 02.1	45.48N	151.15E	44	5.4b,5.4b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s233.00000°,δ32.00000°,λ108.00000°. NP2:ϕ_s32.00000°,δ59.00000°,λ79.00000°. $M_0$9.34000×10^{16}

JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s93,c159; s113,c221; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.28±.03; $M_{\theta\phi}$-0.52±.01; $M_{\phi r}$0.55±.03; Best double couple: NP1:ϕ_s36.00000°,δ60.00000°,λ82.00000°. NP2:ϕ_s232.00000°,δ31.00000°,λ104.00000°. Principal axes: T 1.2300,Plg73.0000°,Azm285.0000°; N -0.0260,Plg7.0000°,Azm40.0000° ; P -1.2050,Plg15.0000°,Azm132.0000° $M_0$1.21800×10^{17}

NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=160.0. Moment Tensor Solution. s82 Moment tensor: Scale 10^{16}Nm; M_{rr}5.46 $M_{\theta\theta}$-1.66 $M_{\phi\phi}$-3.80 $M_{r\theta}$3.15 $M_{\theta\phi}$-1.20 $M_{\phi r}$4.42 Best double couple: NP1:ϕ_s201.00000°,δ21.00000°,λ79.00000°. NP2:ϕ_s32.00000°,δ69.00000°,λ94.00000°. Principal axes: T 7.9000,Plg66.0000°,Azm309.0000° ; N -1.2000,Plg4.0000°,Azm211.0000°; P -6.7100,Plg24.0000°,Azm119.0000° $M_0$7.40000×10^{16}

ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=1.8km az=162.8.

MOS Error ellipse: s-maj=5.0km s-min=3.6km az=105.5.

IDC Error ellipse: s-maj=9.9km s-min=7.5km az=129.0.

(221) Kuril Islands

ISC	**VII**	**14 04 31 01.5–.39**	**45.40N–.04**	**151.38E–.03**	**31–2**	**5.4s,5.2b**	**1638**	**2-153**
NIED	VII	14 04 30 00	45.50N	151.90E	20	5.5W,5.2b		¶601273531
JMA	VII	14 04 30 57.8–1.1	45.48N	151.88E	30	5.6,5.2b		
IDC	VII	14 04 30 57.1–.33	45.53N	151.44E	0	5.1,5.1b		
NEIC	VII	14 04 30 58.8–.10	45.52N	151.32E	10	5.4W,5.2b		
GCMT	VII	14 04 30 58.8–.10	45.54N	151.58E	23–0	5.5W,5.2b		
ISCJB	VII	14 04 30 59.9–.68	45.46N–.02	151.47E–.02	30–4	5.3s,5.1b		
SKHL	VII	14 04 31 00.6–.30	45.22N	151.76E	50–7	5.5b,5.4s		
MOS	VII	14 04 31 02.3–1.1	45.51N	151.38E	47	5.5s,5.4b		
BJI	VII	14 04 31 03.3	45.50N	151.05E	42	5.5b,5.5b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ30.00000°,λ102.00000°. NP2:ϕ_s45.00000°,δ61.00000°,λ83.00000°. $M_0$2.07000×10^{17}

JMA Error ellipse: s-maj=5.6km s-min=9.4km az=-1.0.

IDC Error ellipse: s-maj=10.7km s-min=8.8km az=120.0.

NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=160.0. Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ23.00000°,λ124.00000°. NP2:ϕ_s37.00000°,δ71.00000°,λ76.00000°. Principal axes: T 1.4100,Plg62.0000°,Azm286.0000° ; N 0.1300,Plg13.0000°,Azm41.0000°; P -1.5400,Plg25.0000°,Azm137.0000°

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s111,c211; s124,c245; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74±.03 $M_{\theta\theta}$-0.81±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.95±.01; $M_{\phi r}$0.95±.03; Best double couple: NP1:ϕ_s31.00000°,δ60.00000°,λ78.00000°. NP2:ϕ_s235.00000°,δ32.00000°,λ110.00000°. Principal axes: T 2.0450,Plg72.0000°,Azm272.0000°; N 0.0030,Plg11.0000°,Azm38.0000° ; P -2.0500,Plg14.0000°,Azm130.0000° $M_0$2.04700×10^{17}

ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=1.8km az=163.7.

MOS Error ellipse: s-maj=5.1km s-min=3.7km az=106.3.

(221) Kuril Islands

ISC	**VII**	**14 06 51 40.1–.42**	**45.36N–.05**	**151.50E–.04**	**37–1**	**4.9b,4.4s**	**565**	**3-153**
NIED	VII	14 06 51 00	45.40N	151.70E	14	4.8W,4.4s		¶601273533
NEIC	VII	14 06 51 36.7–.17	45.45N	151.37E	10	4.9b,4.4s		
JMA	VII	14 06 51 36.8–.60	45.44N	151.74E	30	5.3,4.4s		
GCMT	VII	14 06 51 36.7–.50	45.45N	151.57E	30–1	4.9W,4.4s		
ISCJB	VII	14 06 51 37.1–.70	45.38N–.03	151.48E–.03	26–5	4.8b,4.3s		
BJI	VII	14 06 51 38.9	45.40N	151.43E	40	5.0b,5.0b		
MOS	VII	14 06 51 39.8–.94	45.45N	151.42E	46	5.0b,4.4s		
SKHL	VII	14 06 51 39.0–.90	45.22N	151.70E	52–7	5.6b,4.5s		
IDC	VII	14 06 51 41.3–2.0	45.52N	151.39E	44–18	4.5,4.4L		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ30.00000°,λ103.00000°. NP2:ϕ_s46.00000°,δ61.00000°,λ83.00000°. $M_0$1.64000×10^{16}

NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=152.0.

JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.

GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s31,c35; s61,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.22±.16 $M_{\theta\theta}$-1.25±.11; $M_{\phi\phi}$-0.96±.11; $M_{r\theta}$0.38±.14; $M_{\theta\phi}$-1.32±.07; $M_{\phi r}$0.96±.12; Best double couple: NP1:ϕ_s37.00000°,δ57.00000°,λ77.00000°. NP2:ϕ_s240.00000°,δ35.00000°,λ109.00000°. Principal axes: T 2.4870,Plg75.0000°,Azm271.0000°; N 0.1310,Plg11.0000°,Azm44.0000° ; P -2.6160,Plg11.0000°,Azm136.0000° $M_0$2.55100×10^{16}

ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.4km az=153.6.

MOS Error ellipse: s-maj=6.0km s-min=4.4km az=102.1.

IDC Error ellipse: s-maj=13.4km s-min=10.1km az=151.0.

(222) East of Kuril Islands

ISC	**VII**	**14 17 36 24.3–.52**	**45.31N–.04**	**151.97E–.03**	**20–2**	**5.0b,4.6s**	**1024**	**3-151**
NIED	VII	14 17 36 00	45.40N	152.10E	23	4.8W,4.6s		¶601273345
ISCJB	VII	14 17 36 20.8–.71	45.30N–.03	151.95E–.02	8–4	4.9b,4.5s		
BJI	VII	14 17 36 22.5	45.33N	151.66E	10	5.1b,5.0b		
SKHL	VII	14 17 36 22.6–.70	45.13N	152.30E	40–10	5.5b,4.8s		
NEIC	VII	14 17 36 22.6–1.4	45.38N	151.88E	6–8	5.0b,4.8s		
GCMT	VII	14 17 36 22.6–.40	45.29N	152.15E	21–0	4.8W,4.8s		
JMA	VII	14 17 36 23.0–.70	45.37N	152.13E	30	5.1,4.8s		
MOS	VII	14 17 36 24.7–1.1	45.32N	151.91E	33	5.3b,4.6s		
IDC	VII	14 17 36 25.6–2.8	45.38N	151.92E	26–18	4.7,4.7		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s337.00000°,δ63.00000°,λ16.00000°. NP2:ϕ_s240.00000°,δ76.00000°,λ152.00000°. $M_0$1.51000×10^{16}

ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=1.8km az=161.8.

NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.1km az=162.0.

GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s39,c45; s64,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.25±.14 $M_{\theta\theta}$-1.16±.09; $M_{\phi\phi}$-1.09±.09; $M_{r\theta}$0.48±.15; $M_{\theta\phi}$-0.97±.05; $M_{\phi r}$0.54±.14; Best double couple: NP1:ϕ_s45.00000°,δ54.00000°,λ89.00000°. NP2:ϕ_s227.00000°,δ36.00000°,λ92.00000°. Principal axes: T 2.3690,Plg81.0000°,Azm309.0000°; N -0.1570,Plg1.0000°,Azm46.0000° ; P -2.2120,Plg9.0000°,Azm136.0000° $M_0$2.29000×10^{16}

JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.

MOS Error ellipse: s-maj=5.2km s-min=3.9km az=104.1.

IDC Error ellipse: s-maj=11.8km s-min=9.2km az=153.0.

(294) Myanmar-India border region

ISC	**VII**	**14 19 55 18.2–.24**	**25.44N–.03**	**94.41E–.02**	**53–1**	**5.3b,4.6s**	**952**	**0-161**
BJI	VII	14 19 55 10.6	25.52N	94.44E	6	5.3b,5.2b		¶601273351
ISCJB	VII	14 19 55 16.6–.27	25.43N–.01	94.41E–.01	53–2	5.3b,4.5s		
MOS	VII	14 19 55 16.2–1.0	25.42N	94.44E	49	5.5b,4.5s		
IDC	VII	14 19 55 18.0–.29	25.40N	94.50E	50–2	4.9,4.7		
NEIC	VII	14 19 55 17.9–.10	25.42N	94.48E	52	5.5b,5.2W		
GCMT	VII	14 19 55 18.0–.20	25.40N	94.45E	41–1	5.3W,5.2W		
NDI	VII	14 19 55 19.3–2.8	25.55N	94.33E	54–14	5.5b,5.5L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=38.8.

MOS Error ellipse: s-maj=5.9km s-min=3.6km az=121.7.

IDC Error ellipse: s-maj=6.9km s-min=6.1km az=58.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=222.0. Felt [VI] at Phek, [IV] at Guwahati and [III] at Dibrugarh and Shillong, India. Also felt at Haflong, Jawai, Jorhat, Kohima, Manipur, and Margherita. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16} Nm; M_{rr}0.02 $M_{\theta\theta}$-5.31 $M_{\phi\phi}$5.29 $M_{r\theta}$-0.55 $M_{\theta\phi}$3.02 $M_{\phi r}$-2.84 Best double couple: NP1: ϕ_s148.00000°,δ76.00000°,λ163.00000°. NP2:ϕ_s242.00000°,δ73.00000°,λ14.00000°. Principal axes: T 7.2400,Plg22.0000°,Azm105.0000°; N -1.1200,Plg68.0000°,Azm290.0000° ; P -6.1200,Plg2.0000°,Azm195.0000° $M_0$6.80000×10^{16}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s60,c90; s120,c197; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$0.58±.02; $M_{r\theta}$-0.05±.02; $M_{\theta\phi}$0.82±.02; $M_{\phi r}$-0.46±.02; Best double couple: NP1:ϕ_s159.00000°,δ80.00000°,λ158.00000°. NP2:ϕ_s253.00000°,δ69.00000°,λ11.00000°. Principal axes: T 1.1650,Plg23.0000°,Azm114.0000°; N -0.0460,Plg66.0000°,Azm315.0000° ; P -1.1190,Plg7.0000°,Azm207.0000° $M_0$1.14200×10^{17}

NDI Error ellipse: s-maj=7.6km s-min=11.3km az=-1.0.

(249) Luzon

ISC	**VII**	**14 20 12 13.1–.39**	**14.91N–.03**	**119.73E–.04**	**41–3**	**4.8b,4.3s**	**458**	**1-172**
MAN	VII	14 20 12 06.9	14.93N	119.46E	1	5.7b,5.1s		¶601273352
BJI	VII	14 20 12 10.8	14.67N	119.73E	37	4.9b,4.5b		
MOS	VII	14 20 12 11.0–.98	14.93N	119.82E	39	5.0b,4.4s		
IDC	VII	14 20 12 13.6–1.5	14.89N	119.79E	46–15	4.5,4.3		
NEIC	VII	14 20 12 13.7–.43	14.91N	119.84E	50–4	4.8b,4.3		
GCMT	VII	14 20 12 13.7–.30	15.12N	119.56E	28–1	5.0W,4.3		
ISCJB	VII	14 20 12 13.1–.34	14.97N–.02	119.87E–.02	55–3	4.8b,4.2s		
DJA	VII	14 20 12 18.1–.50	15N–4.0	120E–3.0	72–5	5.1b,4.8b		

ISC Event type fe.

NEIC Event type fe. Felt at Olongapo.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s26,c30; s75,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.24 $M_{\theta\theta}$0.37±.13; $M_{\phi\phi}$-3.01±.15; $M_{r\theta}$-0.07±.20; $M_{\theta\phi}$-0.13±.06; $M_{\phi r}$-2.96±.24; Best double couple: NP1:ϕ_s182.00000°,δ68.00000°,λ89.00000°. NP2:ϕ_s3.00000°,δ22.00000°,λ91.00000°. Principal axes: T 3.9150,Plg67.0000°,Azm90.0000°; N 0.3710,Plg1.0000°,Azm182.0000° ; P -4.2800,Plg23.0000°,Azm272.0000° $M_0$4.09800×10^{16}

ISCJB Event type fe.

(705) Off west coast of northern Sumatera

ISC	**VII**	**14 20 42 10.7–.89**	**2.12N–.10**	**92.42E–.06**	**35**	**3.5b**	**24**	**4-145**
IDC	VII	14 20 42 06.5–1.5	2.03N	92.30E	0	3.8L,3.7		¶601664582
DJA	VII	14 20 42 07.2–2.5	2N–9.0	92E–16	16–22	5.6b,5.1		
ISCJB	VII	14 20 42 09.3–.86	2.1N–.10	92.35E–.07	33	3.5b,5.1		

ISC Event type ke.

ISCJB Event type ke.

(274) Southern Sumatera

ISC	**VII**	**15 09 18 15.9–.59**	**1.07S–.04**	**99.74E–.05**	**35**	**4.2b**	**48**	**1-144**
IDC	VII	15 09 18 09.6–2.0	1.05S	99.93E	0	3.9,3.8b		¶601484384
ISCJB	VII	15 09 18 13.8–.40	1.17S–.05	99.91E–.05	35	4.1b,3.1s		
NEIC	VII	15 09 18 14.8–.41	1.17S	99.88E	35	4.5b,3.1s		
DJA	VII	15 09 18 16.3–.20	1S–2.0	100E–2.0	10	5.6b,5.1		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [II] at Padang, Sumatra.

(276) Sunda Strait

ISC	**VII**	**16 12 55 15.6–1.3**	**6.85S–.09**	**105.08E–.07**	**53–10**	**4.2b**	**80**	**1-150**
IDC	VII	16 12 55 09.4–1.1	6.57S	105.18E	0	4.2,4.2b		¶601352357
ISCJB	VII	16 12 55 15.5–.75	6.86S–.08	105.07E–.05	75–5	4.1b,4.2b		
DJA	VII	16 12 55 15.6–.60	7S–3.0	105E–3.0	14–4	5.5b,5.0		
NEIC	VII	16 12 55 17.4–.77	6.63S	105.19E	64–5	4.4b,5.0		

ISC Event type se.

IDC Error ellipse: s-maj=40.2km s-min=15.1km az=52.0.

ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=4.3km az=32.5.

NEIC Event type se. Error ellipse: s-maj=14.6km s-min=4.9km az=217.0.

(197) Near north coast of Irian Jaya

ISC	**VII**	**16 16 33 11.5–.44**	**1.27S–.03**	**137.14E–.03**	**20–2**	**5.5b,5.3s**	**808**	**1-158**
BJI	VII	16 16 33 07.1	1.51S	137.31E	18	5.6b,5.4s		¶601351283
IDC	VII	16 16 33 08.5–.36	1.29S	137.09E	0	5.1b,5.1		
ISCJB	VII	16 16 33 09.8–.65	1.25S–.02	137.09E–.02	19–4	5.3b,5.3s		
NEIC	VII	16 16 33 09.0–.00	1.31S	137.05E	25	5.3b,5.3s		
GCMT	VII	16 16 33 10.1–.10	1.28S	137.02E	13–0	5.7W,5.3s		
NEIC	VII	16 16 33 10.1–.65	1.30S	137.05E	13–4	5.6W,5.6W		
MOS	VII	16 16 33 11.2–.84	1.34S	136.92E	31	5.7b,5.1s		
DJA	VII	16 16 33 11.6–.60	1S–3.0	137E–2.0	16–4	6.0,5.9b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$0.78 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.36 $M_{\theta\phi}$2.31 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s189.00000° ,δ74.00000°,λ-133.00000°. NP2:ϕ_s83.00000°,δ46.00000°,λ-23.00000°. Principal axes: T 3.3700,Plg17.0000°,Azm309.0000°; N 0.0800,Plg41.0000°,Azm204.0000° ; P -3.4400,Plg43.0000°,Azm57.0000° $M_0$3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s119,c229; s134,c382;Duration: 1s8 Moment tensor: Scale 10^{17} Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$0.66±.03; $M_{\phi\phi}$-0.13±.03; $M_{r\theta}$0.52±.07; $M_{\theta\phi}$3.34±.03; $M_{\phi r}$3.44±.18; Best double couple: NP1:ϕ_s187.00000°,δ86.00000°,λ-133.00000°. NP2:ϕ_s93.00000° ,δ43.00000°,λ-5.00000°. Principal axes: T 5.0600,Plg28.0000°,Azm310.0000° ; N -0.4290,Plg43.0000°,Azm190.0000°; P -4.6320,Plg34.0000°,Azm61.0000° $M_0$4.84600×10^{17}
NEIC Event type fe. Felt [II] at Serui. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.29 $M_{\theta\phi}$2.71 $M_{\phi r}$1.66 Best double couple: NP1:ϕ_s95.00000° ,δ57.00000°,λ12.00000°. NP2:ϕ_s359.00000°,δ81.00000°,λ147.00000°. Principal axes: T 3.1600,Plg30.0000°,Azm312.0000°; N 0.1700,Plg56.0000°,Azm165.0000° ; P -3.3300,Plg16.0000°,Azm51.0000° $M_0$3.30000×10^{17}

(178) Kermadec Islands

ISC	**VII**	**17 08 45 50.4–.40**	**31.16S–.06**	**179.00W–.09**	**35**	**4.9b,3.7s**	**102**	**2-162**
IDC	VII	17 08 45 44.5–.66	31.13S	178.99W	0	4.6,4.4		**¶601352423**
WEL	VII	17 08 45 47.0	31.02S	179.11W	17	5.0L,4.4		
NEIC	VII	17 08 45 47.7–3.2	31.02S	179.11W	17–19	4.8b,4.4		
ISCJB	VII	17 08 45 48.7–.31	31.30S–.04	179.16W–.07	33	4.8b,3.7s		
MOS	VII	17 08 45 49.5–1.2	31.19S	179.22W	33	4.9b,3.7s		
BJI	VII	17 08 45 49.5	30.55S	178.74W	35	5.5b,5.1b		

ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=18.3km az=67.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.6km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=20.7.
MOS Error ellipse: s-maj=20.6km s-min=16.2km az=20.3.

(177) Kermadec Islands region

ISC	**VII**	**17 12 38 50.0–.39**	**31.14S–.05**	**179.01W–.08**	**35**	**4.9b,4.4s**	**170**	**2-163**
BJI	VII	17 12 38 32.0	31.70S	176.10W	35	5.6b,5.4b		**¶601357569**
IDC	VII	17 12 38 44.6–.45	31.16S	179.02W	0	4.7,4.6		
NEIC	VII	17 12 38 45.5–.43	31.43S	178.99W	10	5.2b,4.6		
WEL	VII	17 12 38 45.0	31.43S	178.99W	10	5.2L,4.6		
ISCJB	VII	17 12 38 49.0–.20	31.30S–.03	179.18W–.05	33	4.8b,4.2s		
MOS	VII	17 12 38 49.0–1.1	31.15S	179.13W	33	5.2b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=13.4km az=110.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.8km az=115.0.
WEL manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.6km az=28.1.
MOS Error ellipse: s-maj=14.9km s-min=13.5km az=90.0.

(705) Off west coast of northern Sumatera

ISC	**VII**	**17 18 48 08.6–.71**	**2.29N–.07**	**93.26E–.05**	**10**	**4.3b**	**52**	**3-98**
ISCJB	VII	17 18 48 07.4–.52	2.26N–.06	93.22E–.05	10	4.3b		**¶601664735**
IDC	VII	17 18 48 08.8–1.7	2.40N	93.55E	0	4.0,4.0L		
NEIC	VII	17 18 48 09.2–.53	2.26N	93.22E	10	4.7b,4.0L		
DJA	VII	17 18 48 17.3–.80	2N–5.0	94E–6.0	10	5.7b,5.2		

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

(691) Pacific-Antarctic Ridge

ISC	**VII**	**18 04 25 25.9–.34**	**55.67S–.10**	**128.89W–.08**	**10**	**5.5s,5.0b**	**143**	**31-159**
IDC	VII	18 04 25 20.9–.52	55.24S	129.02W	0	5.2s,5.2		**¶601404416**
ISCJB	VII	18 04 25 24.9–.26	55.87S–.06	129.1W–.10	10	5.4s,4.8b		
NEIC	VII	18 04 25 25.6–.31	55.66S	128.89W	10	5.9W,5.8W		
GCMT	VII	18 04 25 25.6–.10	55.36S	128.96W	20–0	5.9W,5.8W		
NEIC	VII	18 04 25 29.0–.00	55.50S	128.77W	15	5.9W,5.8W		

ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=17.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=25.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.8km az=131.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71 $M_{\theta\theta}$4.19 $M_{\phi\phi}$-3.48 $M_{r\theta}$0.90 $M_{\theta\phi}$4.75 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s20.00000°,δ80.00000°,λ-177.00000°. NP2:ϕ_s289.00000° ,δ87.00000°,λ-10.00000°. Principal axes: T 6.5100,Plg5.0000°,Azm335.0000° ; N -0.6500,Plg80.0000°,Azm94.0000°; P -5.8700,Plg9.0000°,Azm244.0000° $M_0$6.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s134,c283; s133,c433;Duration: 2s1 Moment tensor: Scale 10^{17} Nm; M_{rr}-1.29±.06 $M_{\theta\theta}$5.84±.07; $M_{\phi\phi}$-4.55±.06; $M_{r\theta}$-0.28±.12; $M_{\theta\phi}$6.46±.06; $M_{\phi r}$0.41±.11; Best double couple: NP1:ϕ_s109.00000°,δ87.00000°,λ-3.00000°. NP2:ϕ_s199.00000° ,δ87.00000°,λ-177.00000°. Principal axes: T 8.9350,Plg0.0000°,Azm154.0000° ; N -1.2530,Plg86.0000°,Azm250.0000°; P -7.6830,Plg4.0000°,Azm64.0000° $M_0$8.30900×10^{17}
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.29 $M_{\theta\theta}$5.15 $M_{\phi\phi}$-3.85 $M_{r\theta}$1.25 $M_{\theta\phi}$6.92 $M_{\phi r}$-1.20 Best double couple: NP1:ϕ_s286.00000° ,δ82.00000°,λ-12.00000°. NP2:ϕ_s17.00000°,δ78.00000°,λ-172.00000°. Principal axes: T 8.9300,Plg3.0000°,Azm331.0000°; N -0.9200,Plg75.0000°,Azm73.0000° ; P -8.0100,Plg13.0000°,Azm241.0000° $M_0$8.50000×10^{17}

(221) Kuril Islands

ISC	**VII**	**20 01 19 59.5–.39**	**49.16N–.05**	**156.28E–.04**	**39–2**	**4.9b,4.3s**	**628**	**2-155**
BJI	VII	20 01 19 51.1	49.37N	156.64E	10	4.9b,4.9b		**¶601451956**
IDC	VII	20 01 19 54.6–.54	49.37N	156.14E	0	5.4L,4.8		
KRSC	VII	20 01 19 56.0–2.2	49.06N	157.09E	38–34	5.4L,4.8		
NEIC	VII	20 01 19 57.9–2.5	49.35N	156.03E	18–15	4.8b,4.8		
ISCJB	VII	20 01 19 57.9–.70	49.22N–.03	156.17E–.03	32–4	4.8b,4.3s		
GCMT	VII	20 01 19 57.9–.50	49.25N	156.42E	23–1	4.9W,4.3s		
SKHL	VII	20 01 19 58.5–.10	49.07N	156.49E	62–2	5.6b,5.0s		
MOS	VII	20 01 19 59.5–1.0	49.30N	156.15E	46	5.0b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=11.4km az=151.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.0km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.5km az=140.9.
GCMT Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s21,c28; s57,c73; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.22±.16 $M_{\theta\theta}$-0.58±.10; $M_{\phi\phi}$-1.64±.12; $M_{r\theta}$0.40±.17; $M_{\theta\phi}$-1.04±.07; $M_{\phi r}$0.84±.15; Best double couple: NP1:ϕ_s29.00000°,δ56.00000° ,λ87.00000°. NP2:ϕ_s214.00000°,δ34.00000°,λ94.00000°. Principal axes: T 2.4060,Plg79.0000°,Azm290.0000°; N 0.0530,Plg2.0000°,Azm31.0000° ; P -2.4600,Plg11.0000°,Azm121.0000° $M_0$2.43300×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=2.8km az=82.6.

(221) Kuril Islands

ISC	**VII**	**20 03 40 11.6–.52**	**49.28N–.04**	**156.09E–.04**	**17–2**	**5.2b,5.0s**	**1341**	**1-171**
IDC	VII	20 03 40 06.7–.53	49.35N	156.11E	0	5.7L,4.9		**¶601451958**
KRSC	VII	20 03 40 08.7–2.8	49.13N	156.91E	43–43	5.7L,4.9		
SKHL	VII	20 03 40 09.9–.60	49.03N	156.60E	58–2	6.1b,6.0		
ISCJB	VII	20 03 40 10.9–.74	49.42N–.02	155.85E–.02	23–5	5.1b,5.0s		
BJI	VII	20 03 40 10.7	49.51N	156.00E	22	5.4s,5.3		
NEIC	VII	20 03 40 12.2–2.1	49.51N	155.60E	15–13	5.3b,5.0s		
GCMT	VII	20 03 40 12.1–.10	49.22N	156.50E	25–0	5.5W,5.0s		
MOS	VII	20 03 40 14.2–1.6	49.54N	155.90E	47	5.3b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=10.9km az=133.0.
KRSC Event type se.
SKHL Event type fe. Felt (II) at Severo-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=158.6.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=163.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s114,c207; s122,c239; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34±.02 $M_{\theta\theta}$-0.51±.02; $M_{\phi\phi}$-0.82±.02; $M_{r\theta}$0.58±.04; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$1.20±.04; Best double couple: NP1:ϕ_s30.00000°,δ67.00000° ,λ83.00000°. NP2:ϕ_s228.00000°,δ24.00000°,λ107.00000°. Principal axes: T 1.9000,Plg67.0000°,Azm286.0000°; N 0.0160,Plg7.0000°,Azm32.0000° ; P -1.9130,Plg22.0000°,Azm125.0000° $M_0$1.90600×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=2.8km az=81.4. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.

(221) Kuril Islands

ISC	**VII**	**20 06 10 27.3–.26**	**49.25N–.03**	**156.11E–.03**	**38–1**	**5.8s,5.7b**	**2454**	**1-157**
BJI	VII	20 06 10 21.2	49.44N	156.16E	12	6.2,6.2s		**¶601453719**
IDC	VII	20 06 10 21.1–.38	49.35N	156.01E	0	5.7,5.7s		
KRSC	VII	20 06 10 21.6–2.3	49.02N	156.56E	53–30	6.4L,5.7s		
GCMT	VII	20 06 10 25.2–.10	49.22N	156.41E	27–0	6.0W,5.7s		
NEIC	VII	20 06 10 25.0–.00	49.15N	156.23E	23	6.0W,5.7s		
NEIC	VII	20 06 10 25.2–.07	49.41N	155.91E	19	6.1W,6.0		
ISCJB	VII	20 06 10 25.8–.32	49.30N–.02	156.08E–.02	40–2	5.8s,5.7b		
MOS	VII	20 06 10 26.9–1.1	49.39N	155.94E	47	6.0b,5.9s		
SKHL	VII	20 06 10 26.9–.90	49.14N	156.31E	69–6	6.6b,6.4s		
NEIC	VII	20 06 10 32.7–.00	49.53N	156.72E	36	6.6b,6.4s		

ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=109.0.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s132,c312; s142,c486;Duration: 2s4 Moment tensor: Scale 10^{18} Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.29±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$0.43±.01; $M_{\theta\phi}$-0.47±.00; $M_{\phi r}$0.67±.01; Best double couple: NP1:ϕ_s33.00000°,δ65.00000°,λ89.00000°. NP2:ϕ_s217.00000° ,δ25.00000°,λ93.00000°. Principal axes: T 1.2210,Plg70.0000°,Azm300.0000° ; N 0.0350,Plg1.0000°,Azm34.0000°; P -1.2550,Plg20.0000°,Azm124.0000° $M_0$1.23800×10^{18}
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ71.00000° ,λ84.00000°. NP2:ϕ_s227.00000°,δ20.00000°,λ108.00000°. Principal axes: T 1.1800,Plg63.0000°,Azm288.0000°; N -0.1000,Plg6.0000°,Azm30.0000° ; P -1.0800,Plg26.0000°,Azm123.0000°
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.4km az=157.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}5.60 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-4.62 $M_{r\theta}$4.24 $M_{\theta\phi}$-2.62 $M_{\phi r}$4.86 Best double couple: NP1:ϕ_s197.00000°,δ22.00000°,λ70.00000°. NP2: ϕ_s38.00000°,δ69.00000°,λ98.00000°. Principal axes: T 8.5800,Plg65.0000°,Azm321.0000° ; N 0.1900,Plg7.0000°,Azm215.0000°; P -8.7700,Plg24.0000°,Azm122.0000° $M_0$8.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s210.00000°,δ12.00000°,λ90.00000°. NP2:ϕ_s30.00000°,δ78.00000°,λ90.00000°. Principal axes: T Plg57.0000°,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg33.0000° ,Azm120.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.5km az=163.7.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=2.6km az=81.6. Fault plane solution: P-wave C204, D29 . Felt (IV-V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ71.00000°,λ86.00000°. NP2: ϕ_s224.00000°,δ20.00000°,λ101.00000°. Principal axes: T Plg64.0000°,Azm296.0000° ; N Plg4.0000°,Azm34.0000°; P Plg26.0000°,Azm125.0000° $M_0$7.20000×10^{18}
SKHL Event type fe. Felt (IV-V) at Severo-Kurilsk.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.48 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s243.00000° ,δ27.00000°,λ128.00000°. NP2:ϕ_s21.00000°,δ69.00000°,λ73.00000°. Principal axes: T 1.5500,Plg62.0000°,Azm265.0000°; N -0.2000,Plg16.0000°,Azm28.0000° ; P -1.3500,Plg22.0000°,Azm124.0000° $M_0$1.50000×10^{18}

(221) Kuril Islands

ISC	**VII**	**20 06 33 00.7–.42**	**49.26N–.04**	**156.27E–.03**	**44–3**	**5.8b,5.6s**	**2167**	**1-157**
BJI	VII	20 06 32 53.9	49.27N	156.14E	11	6.1b,6.0s		**¶601451963**
IDC	VII	20 06 32 54.5–.36	49.35N	156.11E	0	5.5,5.5b		
GCMT	VII	20 06 32 56.1–.10	49.24N	156.54E	27–0	5.8W,5.5b		
NEIC	VII	20 06 32 56.0–.00	49.25N	156.32E	21	5.8W,5.5b		
NEIC	VII	20 06 32 56.1–.07	49.35N	156.13E	10	5.8W,5.8b		
KRSC	VII	20 06 32 57.3–2.0	49.15N	156.81E	70–31	6.0L,5.8b		
ISCJB	VII	20 06 32 58.1–.33	49.26N–.02	156.26E–.02	37–2	5.7b,5.6s		
SKHL	VII	20 06 32 59.7–.20	49.17N	156.44E	58–2	6.6b,6.5		
MOS	VII	20 06 33 01.6–1.1	49.47N	156.14E	64	6.0b,5.7s		

ISC Event type se.
IDC Error ellipse: s-maj=10.6km s-min=8.6km az=134.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s115,c236; s139,c413;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.55±.08 $M_{\theta\theta}$-1.59±.05; $M_{\phi\phi}$-3.97±.06; $M_{r\theta}$2.52±.11; $M_{\theta\phi}$-2.51±.03; $M_{\phi r}$4.03±.11; Best double couple: NP1:ϕ_s32.00000° ,δ65.00000°,λ90.00000°. NP2:ϕ_s213.00000°,δ25.00000°,λ90.00000°. Principal axes: T 7.3060,Plg70.0000°,Azm302.0000°; N -0.0020,Plg0.0000°,Azm32.0000° ; P -7.3140,Plg20.0000°,Azm122.0000° $M_0$7.31000×10^{17}
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}4.15 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-2.77 $M_{r\theta}$3.68 $M_{\theta\phi}$-0.91 $M_{\phi r}$3.70 Best double couple: NP1:ϕ_s41.00000° ,δ73.00000°,λ96.00000°. NP2:ϕ_s202.00000°,δ18.00000°,λ72.00000°. Principal axes: T 6.9200,Plg61.0000°,Azm319.0000°; N -1.0900,Plg5.0000°,Azm219.0000° ; P -5.8200,Plg27.0000°,Azm126.0000° $M_0$6.40000×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.4km az=156.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.6km az=160.8.
SKHL Event type fe. Felt (III-IV) at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=2.6km az=82.2. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.

(13) Kodiak Island region

ISC	**VII**	**20 18 54 11.6–.38**	**56.55N–.04**	**153.42W–.03**	**20–3**	**5.2b,4.3s**	**1401**	**0-166**
BJI	VII	20 18 54 06.0	56.50N	153.40W	10	5.3b,5.2b		**¶601453725**
MOS	VII	20 18 54 08.5–.81	56.57N	153.66W	10	5.5b,4.3s		
IDC	VII	20 18 54 08.4–.37	56.51N	153.63W	0	5.1,5.1b		
ISCJB	VII	20 18 54 08.8–.08	56.62N–.01	153.48W–.02	10	5.1b,4.4s		
NEIC	VII	20 18 54 11.9–.27	56.60N	153.54W	21–2	5.1b,5.0L		
GCMT	VII	20 18 54 11.9–.30	56.16N	153.18W	31–1	5.0W,5.0L		

ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=4.0km az=95.5.
IDC Error ellipse: s-maj=10.3km s-min=8.4km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=21.3.
NEIC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=191.0.
GCMT Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s46,c61; s74,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.57±.16 $M_{\theta\theta}$-1.77±.12; $M_{\phi\phi}$-0.80±.10; $M_{r\theta}$1.98±.18; $M_{\theta\phi}$-1.16±.07; $M_{\phi r}$1.51±.14; Best double couple: NP1:ϕ_s54.00000°,δ67.00000° ,λ88.00000°. NP2:ϕ_s239.00000°,δ23.00000°,λ95.00000°. Principal axes: T 3.5850,Plg68.0000°,Azm320.0000°; N -0.0330,Plg2.0000°,Azm55.0000° ; P -3.5520,Plg22.0000°,Azm145.0000° $M_0$3.56900×10^{16}

(273) Southwest of Sumatera

ISC	**VII**	**20 19 18 56.2–.63**	**3.65S–.05**	**102.95E–.06**	**10**	**4.3b**	**38**	**1-75**
DJA	VII	20 19 18 00.2–.90	6S–3.0	98E–4.0	16–9	5.8b,5.4		**¶601627821**
ISCJB	VII	20 19 18 54.5–.49	3.72S–.07	103.00E–.09	10	4.4b,3.9s		
IDC	VII	20 19 18 54.5–2.9	3.86S	102.94E	0	4.0,3.9s		
NEIC	VII	20 19 19 00.3–.79	4.04S	102.70E	52–7	4.9b,3.9s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.1km az=146.2.
IDC Error ellipse: s-maj=147.2km s-min=17.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=6.2km az=49.0.

(34) Off coast of northern California

ISC	**VII**	**21 01 52 02.9–.69**	**40.44N–.03**	**125.28W–.04**	**11–3**	**5.0b,4.4s**	**863**	**1-153**
BJI	VII	21 01 51 58.7	40.40N	125.50W	10	5.5b,5.1b		**¶601453738**
ISCJB	VII	21 01 52 00.0–.53	40.41N–.01	125.30W–.02	1–3	5.0b,4.4s		
NEIC	VII	21 01 52 01.7–.00	40.39N	125.53W	25	5.1W,5.0b		
GCMT	VII	21 01 52 01.7–.20	40.39N	125.45W	17–0	5.2W,5.0b		
IDC	VII	21 01 52 01.5–.50	40.53N	125.23W	0	4.7,4.6		
MOS	VII	21 01 52 02.8–1.1	40.36N	125.23W	22	5.1b,4.5s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=151.9.
NEIC Event type fe. Felt [II] at Arcata, Eureka, McKinleyville and Whitethorn. Also felt at Bayside, Ferndale, Fort Bragg, Petrolia, Samoa and Salyer. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{16}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s76,c106; s124,c236; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04±.13 $M_{\theta\theta}$-1.50±.12; $M_{\phi\phi}$2.54±.12; $M_{r\theta}$0.68±.30; $M_{\theta\phi}$-6.89±.11; $M_{\phi r}$0.31±.31; Best double couple: NP1:ϕ_s278.00000°,δ86.00000° ,λ-174.00000°. NP2:ϕ_s188.00000°,δ84.00000°,λ-4.00000°. Principal axes: T 7.7030,Plg1.0000°,Azm53.0000°; N -0.9490,Plg83.0000°,Azm315.0000° ; P -6.7540,Plg7.0000°,Azm143.0000° $M_0$7.22800×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=8.4km az=17.0.
MOS Error ellipse: s-maj=5.0km s-min=4.2km az=99.0.

(160) Off east coast of North Island

ISC	**VII**	**21 04 54 07.5–.25**	**37.84S–.03**	**179.83E–.03**	**21–2**	**5.7b,5.4s**	**1295**	**1-177**
MOS	VII	21 04 54 03.2–.97	37.66S	179.76E	33	5.8b,5.3s		**¶601456903**
ISCJB	VII	21 04 54 04.9–.11	37.78S–.02	179.89E–.02	10	5.7b,5.4s		
WEL	VII	21 04 54 04.3	38S–9.0	180W–6.0	33	6.1L,5.4s		
BJI	VII	21 04 54 04.8	37.80S	179.70E	10	5.9b,5.6b		
IDC	VII	21 04 54 04.3–.28	37.64S	179.80E	0	5.4,5.4		
NEIC	VII	21 04 54 05.5–.00	37.71S	179.97W	12	5.8L,5.7b		
GCMT	VII	21 04 54 05.5–.10	37.69S	179.96W	15–0	5.7W,5.7b		

ISC Event type fe.

MOS Error ellipse: s-maj=9.4km s-min=8.2km az=91.3.

ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.6km az=158.6.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

IDC Error ellipse: s-maj=9.9km s-min=8.9km az=174.0.

NEIC Event type fe. Felt in the Bay of Plenty-Hawke's Bay area. After WEL. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52 $M_{\theta\theta}$-2.52 $M_{\phi\phi}$2.00 $M_{r\theta}$1.19 $M_{\theta\phi}$1.72 $M_{\phi r}$1.14 Best double couple: NP1:ϕ_s66.00000°,δ80.00000°,λ30.00000°. NP2:ϕ_s331.00000°,δ61.00000°,λ168.00000°. Principal axes: T 3.3500,Plg28.0000°,Azm292.0000° ; N -0.0800,Plg59.0000°,Azm84.0000°; P -3.2700,Plg13.0000°,Azm195.0000° M_o3.30000×10^{17}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s107,c204; s118,c326;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.60±.05 $M_{\theta\theta}$1.58±.05; $M_{\phi\phi}$1.02±.05; $M_{r\theta}$0.19±.09; $M_{\theta\phi}$4.05±.04; $M_{\phi r}$1.35±.10; Best double couple: NP1:ϕ_s193.00000°,δ66.00000°,λ-140.00000°. NP2:ϕ_s85.00000°,δ54.00000°,λ-30.00000°. Principal axes: T 5.5000,Plg8.0000°,Azm316.0000°; N -1.8990,Plg45.0000°,Azm219.0000° ; P -3.6010,Plg44.0000°,Azm54.0000° M_o4.55000×10^{17}

(185) Vanuatu Islands region

ISC	**VII**	**21 06 11 57.9–.48**	**19.30S–.05**	**173.89E–.04**	**11–2**	**5.5s,5.5b**	**741**	**7-170**
IDC	VII	21 06 11 55.7–.36	19.38S	173.90E	0	5.5,5.5s		**¶601453746**
ISCJB	VII	21 06 11 56.8–.09	19.20S–.02	173.75E–.02	10	5.5s,5.4b		
WEL	VII	21 06 11 57.0	19.19S	173.79E	10	5.5s,5.4b		
NEIC	VII	21 06 11 57.9–.10	19.19S	173.79E	10	5.9W,5.8W		
GCMT	VII	21 06 11 57.9–.10	19.22S	173.83E	15	5.9W,5.8W		
BJI	VII	21 06 11 57.8	19.31S	173.33E	6	5.6b,5.6s		
MOS	VII	21 06 11 58.1–1.1	19.30S	173.81E	21	5.6s,5.4b		
NEIC	VII	21 06 12 00.0–.00	19.05S	173.71E	11	5.6s,5.4b		

ISC Event type se.

IDC Error ellipse: s-maj=12.8km s-min=11.0km az=119.0.

ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=29.9.

WEL manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=130.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-5.12 $M_{\phi\phi}$5.21 $M_{r\theta}$-1.07 $M_{\theta\phi}$-3.27 $M_{\phi r}$1.52 Best double couple: NP1:ϕ_s30.00000°,δ75.00000°,λ6.00000°. NP2:ϕ_s298.00000°,δ84.00000°,λ165.00000°. Principal axes: T 6.6300,Plg15.0000°,Azm253.0000°; N -0.4900,Plg74.0000° ,Azm96.0000°; P -6.1400,Plg6.0000°,Azm345.0000° M_o6.40000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s133,c283; s144,c449;Duration: 2s2 Moment tensor: Scale 10^{18} Nm; M_{rr}0.02±.01 $M_{\theta\theta}$-0.68±.01; $M_{\phi\phi}$0.65±.01; $M_{r\theta}$0.16±.02; $M_{\theta\phi}$-0.52±.01; $M_{\phi r}$0.30±.02; Best double couple: NP1:ϕ_s26.00000°,δ90.00000°,λ22.00000°. NP2:ϕ_s296.00000° ,δ68.00000°,λ180.00000°. Principal axes: T 0.8960,Plg15.0000°,Azm253.0000° ; N 0.0270,Plg68.0000°,Azm26.0000°; P -0.9230,Plg15.0000°,Azm159.0000° M_o0.90900×10^{18}

MOS Error ellipse: s-maj=8.5km s-min=8.1km az=145.9.

NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$-4.45 $M_{\phi\phi}$4.47 $M_{r\theta}$-2.56 $M_{\theta\phi}$-5.40 $M_{\phi r}$2.27 Best double couple: NP1:ϕ_s289.00000° ,δ83.00000°,λ156.00000°. NP2:ϕ_s22.00000°,δ67.00000°,λ7.00000°. Principal axes: T 8.2400,Plg21.0000°,Azm242.0000°; N -0.9700,Plg65.0000°,Azm94.0000° ; P -7.2700,Plg11.0000°,Azm337.0000° M_o7.80000×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**VII**	**22 05 39 12.9–.27**	**4.10S–.04**	**153.60E–.04**	**35**	**5.3b,4.5s**	**478**	**1-158**
IDC	VII	22 05 39 07.1–.46	4.16S	153.57E	0	5.0,4.9		**¶601456922**
DJA	VII	22 05 39 11.8–.70	4S–4.0	154E–5.0	48–7	5.7b,5.2b		
ISCJB	VII	22 05 39 12.2–.12	4.16S–.03	153.38E–.03	35	5.2b,4.5s		
BJI	VII	22 05 39 12.5	4.20S	153.40E	45	5.3b,5.0b		
GCMT	VII	22 05 39 13.4–.20	4.02S	153.62E	12	5.0W,5.0b		
MOS	VII	22 05 39 13.2–.96	4.07S	153.28E	46	5.4b,4.5s		
NEIC	VII	22 05 39 13.4–2.1	4.17S	153.38E	35–14	5.4b,4.5s		

ISC Event type se.

IDC Error ellipse: s-maj=15.0km s-min=9.6km az=100.0.

ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=139.2.

GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s37,c44; s82,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.33±.10 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$1.84±.09; $M_{r\theta}$1.17±.30; $M_{\theta\phi}$2.33±.07; $M_{\phi r}$0.34±.24; Best double couple: NP1:ϕ_s238.00000°,δ59.00000° ,λ-61.00000°. NP2:ϕ_s12.00000°,δ42.00000°,λ-128.00000°. Principal axes: T 3.7510,Plg9.0000°,Azm308.0000°; N -0.9280,Plg24.0000°,Azm43.0000° ; P -2.8200,Plg64.0000°,Azm199.0000° M_o3.28600×10^{16}

MOS Error ellipse: s-maj=10.2km s-min=6.2km az=84.3.

NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=73.0.

(192) New Britain region

ISC	**VII**	**22 07 02 14.4–.49**	**4.97S–.03**	**149.66E–.04**	**22–3**	**5.3b,5.3s**	**377**	**3-168**
BJI	VII	22 07 02 03.8	5.57S	150.24E	5	5.7b,5.4s		**¶601456925**
ISCJB	VII	22 07 02 11.7–.17	4.95S–.02	149.57E–.03	16	5.2s,5.2b		
NEIC	VII	22 07 02 13.6–1.9	4.87S	149.53E	20–14	5.6W,5.6W		
NEIC	VII	22 07 02 13.0–.00	4.71S	149.65E	15	5.6W,5.6W		
GCMT	VII	22 07 02 13.6–.10	4.84S	149.61E	12	5.7W,5.6W		
MOS	VII	22 07 02 14.1–1.2	4.93S	149.51E	33	5.6b,5.1s		
IDC	VII	22 07 02 17.8–1.8	4.90S	149.52E	53–16	5.1,5.1		
DJA	VII	22 07 02 40.3–2.1	6S–14	148E–22	53–17	6.0b,6.0		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt at Lae, Papua New Guinea. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$2.34 $M_{\phi\phi}$-2.55 $M_{r\theta}$0.79 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s35.00000°,δ76.00000°,λ169.00000°. NP2:ϕ_s128.00000° ,δ80.00000°,λ14.00000°. Principal axes: T 2.7100,Plg17.0000°,Azm352.0000° ; N -0.0400,Plg72.0000°,Azm163.0000°; P -2.6700,Plg3.0000°,Azm261.0000° M_o2.70000×10^{17}

NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-3.26 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.72 $M_{\phi r}$0.22 Best double couple: NP1:ϕ_s129.00000° ,δ88.00000°,λ-4.00000°. NP2:ϕ_s219.00000°,δ86.00000°,λ-178.00000°. Principal axes: T 3.4500,Plg2.0000°,Azm173.0000°; N -0.0900,Plg85.0000°,Azm290.0000° ; P -3.3600,Plg4.0000°,Azm83.0000° M_o3.40000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s121,c213; s134,c350;Duration: 1s6 Moment tensor: Scale 10^{17} Nm; M_{rr}-0.45±.03 $M_{\theta\theta}$3.71±.03; $M_{\phi\phi}$-3.26±.03; $M_{r\theta}$-0.34±.09; $M_{\theta\phi}$0.94±.03; $M_{\phi r}$-0.35±.09; Best double couple: NP1:ϕ_s38.00000°,δ89.00000°,λ-172.00000°. NP2:ϕ_s307.00000° ,δ82.00000°,λ-1.00000°. Principal axes: T 3.8690,Plg5.0000°,Azm172.0000° ; N -0.4530,Plg82.0000°,Azm42.0000°; P -3.4170,Plg6.0000°,Azm263.0000° M_o3.64300×10^{17}

(173) Tonga Islands

ISC	**VII**	**22 16 56 06.4–.56**	**21.97S–.06**	**174.85W–.05**	**32–3**	**5.3b,4.9s**	**761**	**5-179**
ISCJB	VII	22 16 56 01.6–2.7	21.93S–.04	175.01W–.03	12–16	5.2b,4.8s		**¶601456943**
NEIC	VII	22 16 56 02.6–.15	21.80S	175.03W	10	5.3b,4.8s		
GCMT	VII	22 16 56 02.6–.10	22.03S	174.48W	25–0	5.4W,4.8s		
BJI	VII	22 16 56 02.8	21.44S	174.86W	8	5.7b,5.4b		
MOS	VII	22 16 56 02.2–1.0	21.74S	175.02W	33	5.4b,4.9s		
IDC	VII	22 16 56 02.1–.43	21.83S	174.99W	0	5.0,4.9		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=151.5.

NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=151.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s105,c192; s120,c226; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46±.03 $M_{\theta\theta}$-0.10±.02; $M_{\phi\phi}$-1.36±.02; $M_{r\theta}$0.44±.04; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.83±.04; Best double couple: NP1:ϕ_s25.00000°,δ61.00000° ,λ93.00000°. NP2:ϕ_s199.00000°,δ29.00000°,λ84.00000°. Principal axes: T 1.7260,Plg74.0000°,Azm304.0000°; N 0.1560,Plg3.0000°,Azm204.0000° ; P -1.8780,Plg16.0000°,Azm113.0000° M_o1.80200×10^{17}

MOS Error ellipse: s-maj=9.9km s-min=8.0km az=64.1.

IDC Error ellipse: s-maj=18.4km s-min=13.6km az=153.0.

(196) Irian Jaya region

ISC	**VII**	**23 00 22 08.5–.28**	**2.55S–.04**	**135.53E–.04**	**35**	**5.2b,4.4s**	**299**	**1-155**
IDC	VII	23 00 22 02.6–.41	2.47S	135.48E	0	4.6,4.6b		**¶601643195**
BJI	VII	23 00 22 04.6	2.21S	135.33E	6	5.2b,5.0b		
NEIC	VII	23 00 22 04.7–.19	2.54S	135.41E	10	5.2b,5.0b		
GCMT	VII	23 00 22 04.7–.20	2.41S	135.37E	15	5.2W,5.0b		
MOS	VII	23 00 22 05.7–1.1	2.47S	135.45E	31	5.3b,5.0b		
DJA	VII	23 00 22 06.0–.20	2S–3.0	136E–2.0	10	5.7,5.6b		
ISCJB	VII	23 00 22 06.2–.18	2.52S–.02	135.48E–.03	33	5.0b,4.4s		

ISC Event type fe.

NEIC Event type fe. Felt [III] at Nabire and Serui.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s58,c77; s109,c180;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.14 $M_{\theta\theta}$-4.73±.12; $M_{\phi\phi}$4.38±.14; $M_{r\theta}$0.81±.40; $M_{\theta\phi}$5.39±.11; $M_{\phi r}$3.59±.41; Best double couple: NP1:ϕ_s338.00000°,δ78.00000°,λ158.00000°. NP2:ϕ_s73.00000°,δ68.00000°,λ13.00000°. Principal axes: T 8.4790,Plg24.0000°,Azm294.0000°; N -1.1580,Plg65.0000°,Azm131.0000° ; P -7.3220,Plg7.0000°,Azm27.0000° M_o7.90100×10^{16}

ISCJB Event type fe.

(178) Kermadec Islands

ISC	**VII**	**23 19 47 14.5–.39**	**30.64S–.05**	**177.49W–.08**	**33**	**5.1b,4.0s**	**215**	**1-163**
IDC	VII	23 19 47 09.5–.46	30.42S	177.39W	0	4.8,4.7		**¶601506042**
BJI	VII	23 19 47 09.1	30.23S	177.17W	8	5.6b,5.4b		
ISCJB	VII	23 19 47 12.5–.41	30.95S–.04	177.44W–.08	33	5.0b,4.1s		
NEIC	VII	23 19 47 14.1–.30	30.83S	177.47W	35	5.0b,4.1s		
MOS	VII	23 19 47 14.4–.99	30.45S	177.61W	35	5.3b,4.1s		
GCMT	VII	23 19 47 14.1–.60	30.34S	177.24W	29–0	5.0W,4.1s		

ISC Event type se.

IDC Error ellipse: s-maj=18.3km s-min=13.0km az=72.0.

ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.4km az=20.5.

NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.3km az=119.0.

MOS Error ellipse: s-maj=14.3km s-min=12.3km az=102.5.

GCMT Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s38,c46; s48,c66; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.24 $M_{\theta\theta}$-1.25±.17; $M_{\phi\phi}$-1.97±.14; $M_{r\theta}$-0.52±.30; $M_{\theta\phi}$-1.78±.12; $M_{\phi r}$1.19±.20; Best double couple: NP1:ϕ_s21.00000°,δ53.00000° ,λ67.00000°. NP2:ϕ_s237.00000°,δ43.00000°,λ117.00000°. Principal axes: T 3.6560,Plg71.0000°,Azm233.0000°; N -0.1750,Plg18.0000°,Azm36.0000° ; P -3.4810,Plg5.0000°,Azm128.0000° M_o3.56900×10^{16}

(706) Northern Sumatera

ISC	**VII**	**25 00 27 45.8–.30**	**2.63N–.02**	**96.11E–.02**	**29–1**	**6.4s,5.9b**	**2690**	**0-174**
BJI	VII	25 00 27 41.1	2.43N	96.13E	23	6.7,6.7s		**¶601467946**
ISCJB	VII	25 00 27 42.3–.42	2.63N–.02	96.07E–.01	16–3	6.4s,5.9b		
IDC	VII	25 00 27 43.5–1.0	2.67N	96.11E	14–6	6.3,6.3s		
DJA	VII	25 00 27 44.5–.10	3N–1.0	96E–1.0	10	6.4b,6.3		
MOS	VII	25 00 27 45.0–.98	2.65N	96.10E	38	6.4s,6.2b		
NEIC	VII	25 00 27 45.0–.00	2.16N	95.83E	17	6.4s,6.2b		
NEIC	VII	25 00 27 45.3–.10	2.71N	96.05E	22	6.5s,6.4W		
GCMT	VII	25 00 27 45.3–.10	2.46N	95.93E	20	6.4W,6.4W		
KLM	VII	25 00 27 51.0	2.79N	96.05E	69	6.1b,6.4W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=28.9.

IDC Error ellipse: s-maj=7.8km s-min=6.5km az=12.0.

MOS Error ellipse: s-maj=5.9km s-min=3.6km az=118.7.

NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-0.71 $M_{r\theta}$3.28 $M_{\theta\phi}$1.01 $M_{\phi r}$-3.70 Best double couple: NP1:ϕ_s137.00000° ,δ79.00000°,λ94.00000°. NP2:ϕ_s296.00000°,δ12.00000°,λ69.00000°. Principal axes: T 5.3800,Plg55.0000°,Azm53.0000°; N -0.0400,Plg4.0000°,Azm316.0000° ; P -5.3300,Plg33.0000°,Azm223.0000° M_o5.40000×10^{18}

NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=205.0. Felt [IV] on Pulau Simeulue. Felt [III] at Banda Aceh, Sumatra. Also felt at Medan. Felt at Butterworth, Malaysia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}1.62 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-0.35 $M_{r\theta}$2.93 $M_{\theta\phi}$0.53 $M_{\phi r}$-2.25 Best double couple: NP1:ϕ_s126.00000° ,δ79.00000°,λ94.00000°. NP2:ϕ_s286.00000°,δ12.00000°,λ70.00000°. Principal axes: T 4.0900,Plg56.0000°,Azm42.0000°; N -0.1700,Plg4.0000°,Azm305.0000° ; P -3.9200,Plg34.0000°,Azm213.0000° M_o4.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s125.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm35.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s146,c349; s142,c543;Duration: 3s7 Moment tensor: Scale 10^{18} Nm; M_{rr}2.17±.01 $M_{\theta\theta}$-1.54±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$2.50±.03; $M_{\theta\phi}$0.99±.01; $M_{\phi r}$-2.80±.03; Best double couple: NP1:ϕ_s136.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s291.00000° ,δ16.00000°,λ66.00000°. Principal axes: T 4.3910,Plg59.0000°,Azm55.0000° ; N -0.1130,Plg7.0000°,Azm314.0000°; P -4.2820,Plg30.0000°,Azm220.0000° M_o4.33700×10^{18}

(251) Samar

ISC	**VII**	**25 08 39 33.5–.70**	**11.79N–.04**	**125.55E–.05**	**51–6**	**4.7b,3.7s**	**335**	**0-166**
IDC	VII	25 08 39 26.4–.38	11.70N	125.39E	0	4.7,4.7b		**¶601467956**
BJI	VII	25 08 39 31.5	11.57N	125.72E	68	4.9b,4.8b		
MAN	VII	25 08 39 32.0	11.87N	125.54E	22	5.5b,4.8s		
ISCJB	VII	25 08 39 33.1–.41	11.77N–.02	125.53E–.03	62–3	4.7b,4.8s		
MOS	VII	25 08 39 33.9–.87	11.80N	125.37E	65	5.3b,4.8s		
NEIC	VII	25 08 39 35.5–.51	11.72N	125.49E	71–4	4.7b,4.8s		
DJA	VII	25 08 39 52.0–1.8	12N–8.0	125E–10	208–14	5.2b,4.6		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [IV PIVS] at Can-Avid, San Julian, Sulat and Taft; [III PIVS] at Borongan, Llorente and Maydolong. Also felt at Calbayog. Felt [III PIVS] at Tacloban, Leyte.

(193) Bougainville-Solomon Islands region

ISC	**VII**	**25 11 20 27.9–.32**	**9.67S–.03**	**159.86E–.03**	**24–1**	**6.5s,6.4b**	**1578**	**0-174**
IDC	VII	25 11 20 23.1–.31	9.74S	159.82E	0	6.2s,6.2		**¶601506051**
BJI	VII	25 11 20 25.3	9.64S	159.66E	18	6.5b,6.4s		
ISCJB	VII	25 11 20 26.9–.72	9.69S–.02	159.79E–.02	28–5	6.4s,6.2b		
MOS	VII	25 11 20 27.4–.72	9.67S	159.79E	36	6.5b,6.5s		
NEIC	VII	25 11 20 27.0–.00	9.52S	159.73E	30	6.5b,6.5s		
GCMT	VII	25 11 20 27.0–.10	9.84S	159.71E	25–0	6.5W,6.5s		
NEIC	VII	25 11 20 27.0–.12	9.69S	159.73E	20	6.5s,6.4		

ISC Event type de.

IDC Error ellipse: s-maj=12.0km s-min=8.4km az=98.0.

ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.9km az=175.8.

MOS Error ellipse: s-maj=7.2km s-min=6.0km az=106.2.

NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.18 $M_{r\theta}$4.42 $M_{\theta\phi}$1.68 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s274.00000° ,δ90.00000°,λ-69.00000°. NP2:ϕ_s4.00000°,δ21.00000°,λ-179.00000°. Principal axes: T 4.7200,Plg41.0000°,Azm344.0000°; N 0.0500,Plg20.0000°,Azm93.0000° ; P -4.7800,Plg41.0000°,Azm203.0000° M_o4.80000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s146,c354; s148,c578;Duration: 4s1 Moment tensor: Scale 10^{18} Nm; M_{rr}0.16±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$-0.35±.01; $M_{r\theta}$5.60±.06; $M_{\theta\phi}$1.68±.01; $M_{\phi r}$-0.55±.04; Best double couple: NP1:ϕ_s96.00000°,δ89.00000°,λ73.00000°. NP2:ϕ_s3.00000°,δ17.00000° ,λ177.00000°. Principal axes: T 5.8810,Plg43.0000°,Azm350.0000°; N -0.0010,Plg17.0000° ,Azm96.0000°; P -5.8800,Plg42.0000°,Azm202.0000° M_o5.88100×10^{18}

NEIC Event type de. Error ellipse: s-maj=3.9km s-min=3.5km az=98.0. Twenty-six houses destroyed and landslides occurred on the south coast of Guadalcanal. Felt [VI] at Honiara. Also felt on Tulaghi. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a larger one about 3 seconds later. Depth from synthetics of broadband displacement seismograms based on larger event. Energy computed from BB mechanism. Moment Tensor Solution. M_o5.00000×10^{18} Moment Tensor Solution. s69 Moment tensor: Scale 10^{18}Nm; M_{rr}0.14 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.53 $M_{r\theta}$2.67 $M_{\theta\phi}$1.56 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s4.00000°,δ31.00000°,λ178.00000°. NP2:ϕ_s96.00000° ,δ89.00000°,λ59.00000°. Principal axes: T 3.3000,Plg38.0000°,Azm338.0000° ; N -0.3600,Plg31.0000°,Azm96.0000°; P -2.9400,Plg36.0000°,Azm213.0000° M_o3.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s359.00000°,δ10.00000°,λ174.00000°. NP2:ϕ_s95.00000°,δ89.00000°,λ80.00000°. Principal axes: T Plg45.0000°,Azm355.0000°; N Plg0.0000°,Azm0.0000°; P Plg43.0000° ,Azm195.0000°

(427) Mauritius-Reunion region

ISC	**VII**	**26 05 33 33.9–.50**	**17.55S–.04**	**66.29E–.04**	**16–2**	**5.9s,5.4b**	**937**	**9-165**
IDC	VII	26 05 33 29.4–.39	17.38S	66.50E	0	5.7,5.7s		**¶604084432**
BJI	VII	26 05 33 30.8	17.60S	66.40E	6	5.9s,5.7		
ISCJB	VII	26 05 33 31.3–.22	17.54S–.04	66.45E–.03	15	6.0s,5.2b		

NEIC VII 26 05 33 31.0–.00 17.89S 66.05E 30 6.0s,5.2b
MOS VII 26 05 33 32.7–1.8 17.21S 66.91E 15 5.6s,5.3b
GCMT VII 26 05 33 33.0–.00 17.47S 65.88E 25–0 6.6W,5.3b
NEIC VII 26 05 33 33.0–.26 17.59S 66.39E 20 6.9,6.7W
NEIC VII 26 05 33 58.0–.00 17.60S 65.77E 33 6.9,6.7W
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.5km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=176.6.
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$1.11 $M_{r\theta}$-0.40 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s57.00000°,δ80.00000°,λ-16.00000°. NP2:ϕ_s150.00000°,δ74.00000°,λ-170.00000°. Principal axes: T 1.2500,Plg4.0000°,Azm104.0000°; N 0.0200,Plg71.0000°,Azm207.0000°; P -1.2700,Plg18.0000°,Azm12.0000° $M_0$1.30000×10^{19}
MOS Error ellipse: s-maj=10.0km s-min=4.9km az=102.6.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Moment Tensor Solution. s140,c334; s138,c599;Duration: 5s0 Moment tensor: Scale 10^{19} Nm; M_{rr}-0.09±.00 $M_{\theta\theta}$-0.90±.00; $M_{\phi\phi}$0.99±.00; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.45±.00; $M_{\phi r}$0.02±.01; Best double couple: NP1:ϕ_s57.00000°,δ84.00000°,λ-7.00000°. NP2:ϕ_s148.00000°,δ83.00000°,λ-174.00000°. Principal axes: T 1.0970,Plg1.0000°,Azm103.0000°; N -0.0710,Plg81.0000°,Azm198.0000°; P -1.0260,Plg9.0000°,Azm12.0000° $M_0$1.06200×10^{19}
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=166.0. Complex earthquake observed on broadband displacement seismograms, with at least one event occurring about 4 seconds after the onset. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ88.00000°,λ178.00000°. NP2:ϕ_s242.00000°,δ88.00000°,λ2.00000°. Principal axes: T 1.0700,Plg2.0000°,Azm107.0000°; N -0.0300,Plg88.0000°,Azm286.0000°; P -1.0400,Plg0.0000°,Azm17.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s242.00000°,δ88.00000°,λ2.00000°. NP2:ϕ_s152.00000°,δ88.00000°,λ178.00000°. Principal axes: T Plg3.0000°,Azm107.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm17.0000°
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.20 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$1.16 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.57 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s149.00000°,δ89.00000°,λ-174.00000°. NP2:ϕ_s59.00000°,δ84.00000°,λ-1.00000°. Principal axes: T 1.3100,Plg3.0000°,Azm284.0000°; N -0.2000,Plg84.0000°,Azm160.0000°; P -1.1100,Plg5.0000°,Azm14.0000° $M_0$1.20000×10^{19}

(173) Tonga Islands

ISC	**VII**	**26 10 20 05.7–.41**	**21.13S–.04**	**174.24W–.05**	**16–2**	**5.3s,5.3b**	**811**	**5-171**
IDC	VII	26 10 20 03.3–.35	21.05S	174.45W	0	5.0,5.0s		**¶601472680**
ISCJB	VII	26 10 20 04.1–.11	21.04S–.03	174.46W–.03	10	5.3s,5.2b		
NEIC	VII	26 10 20 05.5–.11	21.02S	174.49W	10	5.5W,5.4b		
GCMT	VII	26 10 20 05.5–.10	21.25S	173.82W	20–0	5.6W,5.4b		
BJI	VII	26 10 20 05.0	20.57S	174.27W	6	5.8b,5.4s		
MOS	VII	26 10 20 08.4–1.3	20.83S	174.62W	33	5.3b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=11.9km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.9km az=140.4.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.1km az=136.0. Moment Tensor Solution. s80 Moment tensor: Scale 10^{17}Nm; M_{rr}2.03 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-1.72 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.97 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s215.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ83.00000°. Principal axes: T 2.5100,Plg72.0000°,Azm275.0000°; N 0.1600,Plg6.0000°,Azm23.0000°; P -2.6600,Plg17.0000°,Azm115.0000° $M_0$2.60000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s103,c178; s131,c284;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.90±.06 $M_{\theta\theta}$-0.36±.04; $M_{\phi\phi}$-2.54±.04; $M_{r\theta}$0.56±.08; $M_{\theta\phi}$-1.00±.02; $M_{\phi r}$1.31±.07; Best double couple: NP1:ϕ_s22.00000°,δ58.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ32.00000°,λ88.00000°. Principal axes: T 3.2310,Plg77.0000°,Azm295.0000°; N 0.0280,Plg1.0000°,Azm202.0000°; P -3.2570,Plg13.0000°,Azm111.0000° $M_0$3.24400×10^{17}
MOS Error ellipse: s-maj=10.3km s-min=8.0km az=68.8.

(186) Vanuatu Islands

ISC	**VII**	**26 10 48 21.7–.24**	**21.13S–.05**	**169.53E–.04**	**30**	**5.3s,5.2b**	**733**	**3-171**
MOS	VII	26 10 48 19.9–1.1	21.06S	169.50E	25	5.3b,5.3s		**¶601472683**
ISCJB	VII	26 10 48 20.4–.11	21.12S–.03	169.52E–.03	30	5.3s,5.1b		
IDC	VII	26 10 48 21.1–2.9	21.16S	169.56E	28–19	5.0,5.0		
NEIC	VII	26 10 48 22.1–.11	21.10S	169.51E	33	5.4s,5.2b		
BJI	VII	26 10 48 22.5	20.40S	169.74E	34	5.6b,5.1s		
GCMT	VII	26 10 48 22.1–.10	21.24S	169.31E	33–0	5.7W,5.1s		

ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=7.4km az=83.9.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=148.0.
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=122.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s117,c199; s126,c246;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.21±.06 $M_{\theta\theta}$-0.59±.04; $M_{\phi\phi}$-2.62±.04; $M_{r\theta}$0.65±.07; $M_{\theta\phi}$1.53±.03; $M_{\phi r}$-1.38±.06; Best double couple: NP1:ϕ_s153.00000°,δ57.00000°,λ91.00000°. NP2:ϕ_s330.00000°,δ33.00000°,λ88.00000°. Principal axes: T 3.5450,Plg78.0000°,Azm68.0000°; N 0.2280,Plg1.0000°,Azm332.0000°; P -3.7740,Plg12.0000°,Azm242.0000° $M_0$3.66000×10^{17}

(190) New Ireland region

ISC	**VII**	**28 20 03 59.1–.28**	**4.65S–.03**	**153.17E–.03**	**59–1**	**6.3s,6.1b**	**2756**	**1-166**
MOS	VII	28 20 03 55.2–.85	4.64S	153.21E	37	6.4b,6.2s		**¶601506076**
NEIC	VII	28 20 03 56.8–.08	4.65S	153.17E	41	6.5W,6.5W		
ISCJB	VII	28 20 03 56.4–.54	4.63S–.02	153.16E–.01	49–4	6.2s,6.1b		
GCMT	VII	28 20 03 56.8–.10	4.85S	153.07E	58–0	6.5W,6.1b		
IDC	VII	28 20 03 56.4–.76	4.66S	153.23E	34–4	6.0,5.9		
BJI	VII	28 20 03 57.0	4.66S	153.12E	50	6.5b,6.4s		
NEIC	VII	28 20 04 00.0–.00	4.63S	153.27E	60	6.5b,6.4s		
DJA	VII	28 20 04 03.6–.70	5S–3.0	153E–3.0	92–6	6.6,6.5b		
NEIC	VII	28 20 04 17.2–.00	4.80S	152.94E	59	6.6,6.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=5.8km s-min=4.8km az=98.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.5km az=154.0. Felt at Kavieng and Namatanai. Also felt at Kokopo, New Britain. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$6.30000×10^{18} Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}6.96 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$-0.44 $M_{r\theta}$3.85 $M_{\theta\phi}$1.08 $M_{\phi r}$1.78 Best double couple: NP1:ϕ_s293.00000°,δ33.00000°,λ116.00000°. NP2:ϕ_s84.00000°,δ61.00000°,λ74.00000°. Principal axes: T 8.4300,Plg70.0000°,Azm319.0000°; N -0.8400,Plg14.0000°,Azm91.0000°; P -7.6000,Plg14.0000°,Azm185.0000° $M_0$8.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s279.00000°,δ31.00000°,λ107.00000°. NP2:ϕ_s80.00000°,δ60.00000°,λ80.00000°. Principal axes: T Plg73.0000°,Azm325.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm177.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=13.5.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s151,c388; s151,c635;Duration: 4s5 Moment tensor: Scale 10^{19} Nm; M_{rr}0.60±.00 $M_{\theta\theta}$-0.70±.00; $M_{\phi\phi}$0.09±.00; $M_{r\theta}$0.33±.00; $M_{\theta\phi}$0.13±.00; $M_{\phi r}$0.18±.00; Best double couple: NP1:ϕ_s81.00000°,δ60.00000°,λ68.00000°. NP2:ϕ_s299.00000°,δ36.00000°,λ123.00000°. Principal axes: T 0.7410,Plg67.0000°,Azm308.0000°; N 0.0440,Plg19.0000°,Azm92.0000°; P -0.7860,Plg13.0000°,Azm186.0000° $M_0$0.76400×10^{19}
IDC Error ellipse: s-maj=10.6km s-min=8.2km az=65.0.
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}5.68 $M_{\theta\theta}$-6.36 $M_{\phi\phi}$0.68 $M_{r\theta}$4.43 $M_{\theta\phi}$1.15 $M_{\phi r}$2.53 Best double couple: NP1:ϕ_s76.00000°,δ66.00000°,λ68.00000°. NP2:ϕ_s300.00000°,δ32.00000°,λ130.00000°. Principal axes: T 8.1600,Plg62.0000°,Azm310.0000°; N -0.3300,Plg19.0000°,Azm85.0000°; P -7.8300,Plg17.0000°,Azm182.0000° $M_0$8.00000×10^{18}
NEIC Event type se. Moment Tensor Solution. s104 Moment tensor: Scale 10^{18}Nm; M_{rr}6.20 $M_{\theta\theta}$-6.76 $M_{\phi\phi}$0.57 $M_{r\theta}$2.84 $M_{\theta\phi}$1.56 $M_{\phi r}$1.76 Best double couple: NP1:ϕ_s300.00000°,δ38.00000°,λ121.00000°. NP2:ϕ_s83.00000°,δ58.00000°,λ68.00000°. Principal axes: T 7.4100,Plg69.0000°,Azm307.0000°; N 0.1200,Plg18.0000°,Azm95.0000°; P -7.5300,Plg10.0000°,Azm189.0000° $M_0$7.50000×10^{18}

(69) Near coast of Chiapas

ISC	**VII**	**29 12 22 14.6–.52**	**14.24N–.03**	**92.56W–.03**	**41–4**	**5.5s,5.4b**	**1672**	**1-162**
NEIC	VII	29 12 22 11.8–.14	14.19N	92.29W	18	5.9W,5.8W		**¶601484828**
GCMT	VII	29 12 22 11.8–.10	14.20N	92.88W	20–0	5.8W,5.8W		
UCR	VII	29 12 22 12.5–1.3	15.48N	92.28W	36–999	5.6b,4.8L		
ISCJB	VII	29 12 22 12.7–.11	14.29N–.01	92.34W–.01	33	5.5s,5.4b		
MEX	VII	29 12 22 13.7–.88	14.07N	92.75W	16–53	5.7,5.4b		
MOS	VII	29 12 22 14.7–.94	14.43N	92.23W	45	5.6b,5.5s		
NEIC	VII	29 12 22 15.0–.00	14.23N	92.46W	19	5.6b,5.5s		
IDC	VII	29 12 22 17.3–1.8	14.39N	92.24W	61–15	5.4s,5.4		
NEIC	VII	29 12 22 29.0–.00	14.61N	92.59W	30	5.4s,5.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=46.0. Felt at Antigua Guatemala. Also felt at Tapachula and Tuxtla Gutierrez, Mexico. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}4.50 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.16 $M_{\theta\phi}$3.12 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s120.00000°,δ58.00000°,λ79.00000°. NP2:ϕ_s321.00000°,δ34.00000°,λ107.00000°. Principal axes: T 5.0900,Plg75.0000°,Azm358.0000°; N 0.8000,Plg10.0000°,Azm126.0000°; P -5.8900,Plg12.0000°,Azm218.0000° $M_0$5.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s300.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s120.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm210.0000°
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s133,c290; s129,c413;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.66±.06 $M_{\theta\theta}$-4.53±.04; $M_{\phi\phi}$-1.14±.05; $M_{r\theta}$3.00±.09; $M_{\theta\phi}$2.30±.03; $M_{\phi r}$-2.96±.10; Best double couple: NP1:ϕ_s127.00000°,δ63.00000°,λ99.00000°. NP2:ϕ_s287.00000°,δ28.00000°,λ72.00000°. Principal axes: T 7.1470,Plg70.0000°,Azm57.0000°; N -0.1680,Plg8.0000°,Azm303.0000°; P -6.9890,Plg18.0000°,Azm210.0000° $M_0$7.06800×10^{17}
UCR Error ellipse: s-maj=23.1km s-min=15.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=138.0.
MEX Error ellipse: s-maj=9.8km s-min=8.8km az=-1.0.
MOS Error ellipse: s-maj=6.1km s-min=3.7km az=95.9.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}5.49 $M_{\theta\theta}$-4.17 $M_{\phi\phi}$-1.32 $M_{r\theta}$4.61 $M_{\theta\phi}$2.55 $M_{\phi r}$-2.20 Best double couple: NP1:ϕ_s117.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s304.00000°,δ24.00000°,λ96.00000°. Principal axes: T 7.4900,Plg68.0000°,Azm21.0000°; N 0.1500,Plg2.0000°,Azm118.0000°; P -7.6400,Plg21.0000°,Azm209.0000° $M_0$7.60000×10^{17}
IDC Error ellipse: s-maj=14.5km s-min=7.5km az=53.0.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}6.36 $M_{\theta\theta}$-5.23 $M_{\phi\phi}$-1.13 $M_{r\theta}$1.27 $M_{\theta\phi}$1.54 $M_{\phi r}$-1.02 Best double couple: NP1:ϕ_s284.00000°,δ38.00000°,λ83.00000°. NP2:ϕ_s113.00000°,δ52.00000°,λ95.00000°. Principal axes: T 6.5900,Plg82.0000°,Azm21.0000°; N -0.6600,Plg4.0000°,Azm290.0000°; P -5.9400,Plg7.0000°,Azm199.0000° $M_0$6.30000×10^{17}

(276) Sunda Strait

ISC	**VII**	**29 14 21 17.6–.58**	**6.09S–.04**	**104.35E–.04**	**58–4**	**5.2b,4.2s**	**1068**	**1-154**
BJI	VII	29 14 21 16.1	6.10S	104.30E	60	5.1b,5.1b		**¶601484831**
DJA	VII	29 14 21 16.8–.20	6S–2.0	104E–2.0	48–2	5.5b,5.4		
IDC	VII	29 14 21 17.5–1.6	5.90S	104.57E	52–13	4.9,4.7b		
ISCJB	VII	29 14 21 18.2–.37	5.99S–.03	104.48E–.03	73–3	5.0b,4.7b		
GCMT	VII	29 14 21 18.4–.30	6.46S	104.45E	53–1	5.1W,4.7b		
NEIC	VII	29 14 21 18.4–.55	6.00S	104.42E	66–4	5.2b,4.7b		
MOS	VII	29 14 21 20.0–1.1	5.69S	104.68E	81	5.3b,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=7.1km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.8km az=39.1.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s67,c100; s74,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.19 $M_{\theta\theta}$-4.06±.13; $M_{\phi\phi}$-0.06±.17; $M_{r\theta}$1.59±.12; $M_{\theta\phi}$1.63±.10; $M_{\phi r}$-1.37±.12; Best double couple: NP1:ϕ_s119.00000°,δ58.00000°,λ101.00000°. NP2:ϕ_s279.00000°,δ34.00000°,λ73.00000°. Principal axes: T 4.6700,Plg74.0000°,Azm61.0000°; N 0.3890,Plg10.0000°,Azm293.0000°; P -5.0630,Plg12.0000°,Azm201.0000° $M_0$4.86600×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.3km az=219.0.
MOS Error ellipse: s-maj=9.1km s-min=4.4km az=119.5.

(228) Near east coast of eastern Honshu

ISC	**VII**	**29 22 05 06.6–.28**	**39.14N–.02**	**142.46E–.03**	**31–1**	**5.4b,5.2s**	**1797**	**1-159**
NIED	VII	29 22 05 00	39.10N	142.50E	32	5.4W,5.2s		**¶601484887**
ISCJB	VII	29 22 05 05.9–.42	39.08N–.02	142.40E–.01	33–2	5.3b,5.1s		
JMA	VII	29 22 05 05.2–.10	39.10N	142.47E	34–1	5.5,5.1s		
BJI	VII	29 22 05 06.0	39.05N	142.31E	43	5.3,5.3s		
MOS	VII	29 22 05 06.9–.94	39.20N	142.35E	39	5.5b,5.4s		
IDC	VII	29 22 05 08.5–1.0	39.08N	142.37E	44–9	5.1,4.9		
GCMT	VII	29 22 05 09.2–.10	39.17N	142.31E	34–0	5.4W,4.9		
NEIC	VII	29 22 05 09.2–.38	39.08N	142.32E	49–3	5.4b,5.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s292.00000°,δ21.00000°,λ-149.00000°. NP2:ϕ_s173.00000°,δ79.00000°,λ-72.00000°. $M_0$1.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=160.5.
JMA Event type fe.
MOS Error ellipse: s-maj=5.4km s-min=3.6km az=104.3.
IDC Error ellipse: s-maj=7.9km s-min=6.6km az=93.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s116,c217; s128,c251; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36±.02 $M_{\theta\theta}$0.44±.01; $M_{\phi\phi}$0.91±.01; $M_{r\theta}$0.42±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$1.27±.02; Best double couple: NP1:ϕ_s181.00000°,δ69.00000°,λ-73.00000°. NP2:ϕ_s320.00000°,δ27.00000°,λ-127.00000°. Principal axes: T 1.5230,Plg22.0000°,Azm258.0000°; N 0.5250,Plg16.0000°,Azm354.0000°; P -2.0490,Plg62.0000°,Azm118.0000° $M_0$1.78600×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=145.0. Felt [II] at Sendai. Also felt at Akita, Aomori, Fukushima, Hachinohe, Ishinomaki, Kesennuma, Kitakami, Misawa, Miyako, Morioka, Shiwa, Wakuya and Yokote. Recorded [4 JMA] in Iwate and Miyagi. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.17 $M_{\phi\phi}$0.69 $M_{r\theta}$0.13 $M_{\theta\phi}$0.03 $M_{\phi r}$1.00 Best double couple: NP1:ϕ_s2.00000°,δ19.00000°,λ-94.00000°. NP2:ϕ_s186.00000°,δ71.00000°,λ-89.00000°. Principal axes: T 1.1800,Plg26.0000°,Azm275.0000°; N 0.1700,Plg1.0000°,Azm6.0000°; P -1.3600,Plg64.0000°,Azm99.0000° $M_0$1.30000×10^{17}

(402) North Atlantic Ocean

ISC	**VII**	**30 03 34 58.4–.44**	**43.79N–.05**	**14.73W–.04**	**10**	**4.0b,3.4s**	**641**	**4-147**
IDC	VII	30 03 34 56.7–.73	43.78N	15.09W	0	6.8L,4.0		**¶601485568**
CSEM	VII	30 03 34 57.8–.11	43.93N	14.95W	10	5.8b,3.1s		
PDA	VII	30 03 34 58.3	43.88N	14.97W	10	4.5b,3.1s		
NEIC	VII	30 03 34 59.0–.53	43.94N	14.79W	10	4.0b,3.1s		
SFS	VII	30 03 35 01.0	43.85N	14.90W	0	4.7L,3.1s		
MDD	VII	30 03 35 01.4–.96	43.95N	14.91W	49	5.8b,3.1s		
IGIL	VII	30 03 35 04.6	43.77N	14.91W	28	5.1L,3.1s		
LDG	VII	30 03 35 04.5–.35	43.97N	14.61W	51–2	5.5L,4.8		
INMG	VII	30 03 35 05.8–2.2	43.79N	14.91W	26–14	4.9L,4.2		
CNRM	VII	30 03 35 17.4	42.36N	14.35W	10	4.9L,4.2		
BGS	VII	30 03 35 45.0–1.6	46.75N	12.10W	10	4.8L,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=15.2km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=137.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=1.0.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=9.8km s-min=7.2km az=116.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=102.0.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=78.0.
BGS Error ellipse: s-maj=365.3km s-min=450.5km az=-1.0.

(249) Luzon

ISC	**VII**	**30 15 43 29.2–1.2**	**17.86N–.04**	**120.61E–.04**	**6–7**	**4.4b,3.5s**	**105**	**0-117**
IDC	VII	30 15 43 27.0–.51	17.56N	120.85E	0	4.2,4.1		**¶601494719**
MAN	VII	30 15 43 26.1	18.01N	120.44E	1	5.5b,4.7s		
ISCJB	VII	30 15 43 29.3–.76	17.85N–.03	120.61E–.03	11–5	4.3b,3.5s		
BJI	VII	30 15 43 33.4	18.25N	120.47E	8	4.6b,4.4b		
MOS	VII	30 15 43 34.8–.93	17.63N	120.80E	75	4.7b,4.4b		
NEIC	VII	30 15 43 36.0–1.2	17.62N	120.73E	68–12	4.4b,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.7km s-min=11.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.2km az=31.9.
MOS Error ellipse: s-maj=12.1km s-min=6.4km az=104.7.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=6.3km az=96.0. Felt [III PIVS] at Badoc, Currimao and Pinili; [II PIVS] at Laoag, Paoay, San Nicolas, Sinait and Vigan.

(326) Southwestern Siberia

ISC	**VII**	**30 22 30 43.6–.37**	**50.65N–.02**	**87.34E–.02**	**15–2**	**4.9b,4.5s**	**1011**	**0-162**
ISCJB	VII	30 22 30 40.0–.48	50.64N–.01	87.35E–.02	3–3	4.8b,4.5s		**¶601497413**
IDC	VII	30 22 30 40.7–.34	50.63N	87.49E	0	4.7,4.6		
MOS	VII	30 22 30 41.4–1.1	50.54N	87.35E	13	5.1b,4.6s		

BJI VII 30 22 30 41.2 50.62N 87.35E 14 5.8L,5.4s
ASRS VII 30 22 30 42.5–.55 50.59N 87.39E 15 5.1s,5.4s
GCMT VII 30 22 30 44.1–.20 50.61N 87.36E 26–0 5.1W,5.4s
NEIC VII 30 22 30 44.1–1.6 50.63N 87.34E 19–9 4.9b,5.4s
NNC VII 30 22 30 45.3–2.4 50.63N 86.85E 0 5.9,5.8b
SOME VII 30 22 30 53.8 50.12N 87.60E 15 5.9,5.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=156.1.
IDC Error ellipse: s-maj=8.2km s-min=6.8km az=174.0.
MOS Error ellipse: s-maj=4.9km s-min=3.9km az=124.1.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s60,c77; s107,c195; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.14 $M_{\theta\theta}$-5.63±.11; $M_{\phi\phi}$5.13±.11; $M_{r\theta}$-1.24±.24; $M_{\theta\phi}$1.31±.09; $M_{\phi r}$-0.69±.21; Best double couple: NP1:ϕ_s52.00000°,δ90.00000° ,λ-14.00000°. NP2:ϕ_s142.00000°,δ76.00000°,λ-180.00000°. Principal axes: T 5.4310,Plg10.0000°,Azm98.0000°; N 0.5590,Plg76.0000°,Azm231.0000° ; P -5.9930,Plg10.0000°,Azm6.0000° M_o5.71200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=176.0. Felt at Abaza and Biysk.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=12.1km az=77.0.

(280) Banda Sea

ISC	**VII**	**31 20 27 02.1–.44**	**5.77S–.04**	**131.45E–.05**	**54**	**4.4b**	**75**	**2-130**
ISCJB	VII	31 20 27 01.2–.29	5.74S–.03	131.35E–.04	54	4.5b,3.4s		**¶601650847**
NEIC	VII	31 20 27 04.6–.81	5.69S	131.42E	73–8	4.5b,3.4s		
IDC	VII	31 20 27 04.5–3.2	5.61S	131.37E	65–26	4.8L,4.2		
DJA	VII	31 20 27 05.8–.30	6S–3.0	131E–3.0	74–18	5.5b,5.0		

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

(688) East of North Island

ISC	**VIII**	**01 09 24 39.7–.59**	**35.50S–.05**	**179.56W–.06**	**27–3**	**4.9b,4.8s**	**240**	**3-175**
IDC	VIII	01 09 24 35.3–.45	35.26S	179.70W	0	4.7,4.7s		**¶601498297**
WEL	VIII	01 09 24 37.7–.92	36S–8.0	179W–11	33	5.4L,4.7s		
ISCJB	VIII	01 09 24 38.2–1.2	35.44S–.03	179.69W–.05	21–8	4.9b,4.7s		
GCMT	VIII	01 09 24 40.2–.20	35.50S–.02	179.17W–.02	25–0	5.2W,4.7s		
NEIC	VIII	01 09 24 41.2–.28	35.66S	179.68W	39	5.1b,4.7s		
BJI	VIII	01 09 24 42.8	36.09S	179.80W	51	5.8b,5.4b		

ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=14.6km az=79.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=29.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c103; s99,c153;Duration: 1♯0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53±.02 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$-0.42±.01; $M_{r\theta}$0.18±.03; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.76±.04; Best double couple: NP1:ϕ_s16.00000°,δ73.00000°,λ83.00000°. NP2:ϕ_s217.00000°,δ18.00000°,λ110.00000°. Principal axes: T 0.9520,Plg61.0000° ,Azm276.0000°; N -0.0120,Plg6.0000°,Azm18.0000°; P -0.9400,Plg28.0000°,Azm111.0000° M_o0.94600×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.1km az=129.0.

(321) Southern Xinjiang

ISC	**VIII**	**01 09 52 18.3–.52**	**39.78N–.02**	**75.52E–.02**	**19–1**	**4.9b,4.6s**	**527**	**0-154**
CNRM	VIII	01 09 52 05.5	38.96N	78.02E	15	5.4L,4.6s		**¶601498298**
SOME	VIII	01 09 52 17.0	39.67N	75.58E	10	4.8s,4.6s		
KRNET	VIII	01 09 52 17.3–.10	39.56N	75.50E		5.5b,4.6s		
ISCJB	VIII	01 09 52 18.1–.14	39.50N–.02	75.52E–.02	33	4.8b,4.5s		
MOS	VIII	01 09 52 18.8–1.0	39.79N	75.56E	33	5.1b,4.6s		
NNC	VIII	01 09 52 18.9–1.2	39.78N	75.46E	1–6	5.3b,5.1		
BJI	VIII	01 09 52 19.4	39.73N	75.50E	32	5.0b,5.0L		
IDC	VIII	01 09 52 20.6–1.5	39.67N	75.54E	39–13	4.6,4.5		
GCMT	VIII	01 09 52 20.4–.20	39.63N–.02	75.56E–.02	29–1	5.0W,4.5		
NEIC	VIII	01 09 52 22.4–.47	39.77N	75.56E	52–4	5.0b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=147.5.
MOS Error ellipse: s-maj=5.9km s-min=4.0km az=120.6.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=2.8km az=162.0.
IDC Error ellipse: s-maj=10.6km s-min=8.0km az=6.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c54; s92,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.19±.15 $M_{\theta\theta}$-2.17±.10; $M_{\phi\phi}$-0.02±.11; $M_{r\theta}$3.00±.19; $M_{\theta\phi}$-1.52±.07; $M_{\phi r}$0.81±.15; Best double couple: NP1:ϕ_s74.00000°,δ71.00000°,λ100.00000°. NP2:ϕ_s226.00000°,δ22.00000°,λ65.00000°. Principal axes: T 3.7190,Plg63.0000° ,Azm359.0000°; N 0.6590,Plg9.0000°,Azm250.0000°; P -4.3800,Plg25.0000°,Azm156.0000° M_o4.05000×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=186.0.

(200) Near north coast of New Guinea

ISC	**VIII**	**01 20 43 40.9–.34**	**4.37S–.03**	**144.68E–.04**	**50–2**	**5.5b,4.8s**	**524**	**4-150**
IDC	VIII	01 20 43 33.7–.44	4.40S	144.78E	0	5.2,5.2b		**¶601503284**
DJA	VIII	01 20 43 34.7–2.8	4S–9.0	145E–22	56–11	6.6,5.9b		
MOS	VIII	01 20 43 36.4–.87	4.33S	144.67E	26	5.5b,4.5s		
BJI	VIII	01 20 43 37.9	4.21S	145.08E	44	5.5b,5.1b		
ISCJB	VIII	01 20 43 38.7–.57	4.37S–.02	144.63E–.02	42–5	5.4b,4.7s		
NEIC	VIII	01 20 43 40.7–.47	4.39S	144.64E	49–4	5.6b,4.7s		
GCMT	VIII	01 20 43 41.7–.10	4.36S–.01	144.55E–.01	42–1	5.4W,4.7s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c160; s132,c229; Duration: 1♯2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$-1.04±.02; $M_{\phi\phi}$1.07±.02; $M_{r\theta}$-0.47±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$1.01±.03; Best double couple: NP1:ϕ_s324.00000°,δ89.00000° ,λ135.00000°. NP2:ϕ_s55.00000°,δ45.00000°,λ1.00000°. Principal axes: T 1.6700,Plg31.0000°,Azm269.0000°; N -0.2670,Plg45.0000°,Azm143.0000° ; P -1.4020,Plg29.0000°,Azm19.0000° M_o1.53600×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**VIII**	**02 03 15 28.8–.35**	**6.31S–.03**	**154.87E–.03**	**47–2**	**5.3b,4.6s**	**873**	**3-160**
MOS	VIII	02 03 15 26.8–1.0	6.13S	154.71E	36	5.4b,4.3s		**¶601503298**
BJI	VIII	02 03 15 26.1	6.01S	155.11E	38	5.4b,5.1b		
NEIC	VIII	02 03 15 27.0–2.5	6.32S	154.83E	31–2	5.4b,5.2W		
ISCJB	VIII	02 03 15 28.3–.77	6.27S–.02	154.76E–.02	49–6	5.3b,4.5s		
DJA	VIII	02 03 15 30.7–.40	6S–3.0	155E–4.0	59–3	5.9b,5.6b		
GCMT	VIII	02 03 15 31.0–.10	6.61S–.01	154.68E–.01	47–0	5.4W,5.6b		
IDC	VIII	02 03 15 31.9–1.4	6.29S	154.81E	74–12	5.1,4.8		

ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=6.2km az=91.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.5km az=70.0. Moment Tensor Solution. s22 Moment tensor: Scale 10^{16}Nm; M_{rr}7.89 $M_{\theta\theta}$-4.88 $M_{\phi\phi}$-3.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$3.43 $M_{\phi r}$-0.11 Best double couple: NP1:ϕ_s128.00000°,δ45.00000°,λ91.00000°. NP2:ϕ_s307.00000° ,δ45.00000°,λ89.00000°. Principal axes: T 7.9000,Plg90.0000°,Azm113.0000° ; N -0.3900,Plg1.0000°,Azm307.0000°; P -7.5100,Plg0.0000°,Azm217.0000° M_o7.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=32.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c171; s104,c146;Duration: 1♯2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$-0.54±.02; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$0.91±.02; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s314.00000°,δ45.00000°,λ93.00000°. NP2:ϕ_s131.00000°,δ45.00000°,λ87.00000°. Principal axes: T 1.2510,Plg88.0000° ,Azm303.0000°; N 0.2870,Plg2.0000°,Azm133.0000°; P -1.5330,Plg0.0000°,Azm43.0000° M_o1.39200×10^{17}
IDC Error ellipse: s-maj=8.7km s-min=7.8km az=92.0.

(281) Tanimbar Islands region

ISC	**VIII**	**02 07 37 42.7–.20**	**6.92S–.03**	**131.22E–.03**	**47**	**5.3b,4.4s**	**657**	**1-158**
BJI	VIII	02 07 37 38.3	7.24S	131.37E	44	5.5b,5.5b		**¶601503311**
MOS	VIII	02 07 37 39.6–.91	6.85S	131.09E	28	5.5b,4.2s		
ISCJB	VIII	02 07 37 41.1–.14	6.97S–.02	131.20E–.02	47	5.3b,4.4s		
IDC	VIII	02 07 37 44.0–1.3	6.93S	131.10E	52–10	5.2,4.9		
DJA	VIII	02 07 37 44.5–.20	7S–2.0	131E–2.0	60–3	6.4,6.0b		
NEIC	VIII	02 07 37 45.2–.15	6.94S	131.12E	65	5.5W,5.4b		
GCMT	VIII	02 07 37 46.2–.10	6.88S–.01	131.17E–.01	83–1	5.5W,5.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Saumlaki. Felt at Coonawarra and Darwin, Australia. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.32 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.53 $M_{\theta\phi}$2.07 $M_{\phi r}$0.44 Best double couple: NP1:ϕ_s164.00000°,δ84.00000°,λ-168.00000°. NP2: ϕ_s73.00000°,δ78.00000°,λ-6.00000°. Principal axes: T 2.2900,Plg4.0000°,Azm298.0000° ; N 0.4600,Plg77.0000°,Azm191.0000°; P -2.7500,Plg12.0000°,Azm29.0000° M_o2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c170; s111,c171;Duration: 1♯4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.03 $M_{\theta\theta}$-1.71±.03; $M_{\phi\phi}$1.40±.03; $M_{r\theta}$0.00±.03; $M_{\theta\phi}$1.54±.03; $M_{\phi r}$0.44±.03; Best double couple: NP1:ϕ_s337.00000°,δ84.00000°,λ168.00000°. NP2:ϕ_s68.00000°,δ79.00000°,λ6.00000°. Principal axes: T 2.1240,Plg13.0000° ,Azm292.0000°; N 0.2280,Plg77.0000°,Azm128.0000°; P -2.3540,Plg4.0000°,Azm23.0000° M_o2.23900×10^{17}

(688) East of North Island

ISC	**VIII**	**02 10 26 13.9–.50**	**35.66S–.05**	**179.50W–.06**	**40–3**	**5.2b,5.0s**	**443**	**3-175**
IDC	VIII	02 10 26 08.5–.41	35.43S	179.73W	0	4.9s,4.9		**¶604029636**
WEL	VIII	02 10 26 10.7–.77	36S–9.0	179W–11	114–28	4.9s,4.9		
ISCJB	VIII	02 10 26 12.7–.20	35.58S–.02	179.72W–.04	33	5.1b,4.8s		
MOS	VIII	02 10 26 13.2–.91	35.47S	179.90W	33	5.3b,5.1s		
BJI	VIII	02 10 26 13.5	35.60S	179.80W	35	5.6b,5.4s		
NEIC	VIII	02 10 26 14.6–.93	35.56S	179.79W	41–8	5.2b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=13.0km az=13.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.2km az=31.8.
MOS Error ellipse: s-maj=13.2km s-min=11.2km az=43.1.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.2km az=217.0.

(277) Jawa

ISC	**VIII**	**03 00 57 17.9–1.5**	**8.22S–.09**	**107.61E–.05**	**44–15**	**4.0b,3.3s**	**44**	**1-144**
DJA	VIII	03 00 57 18.7–.60	8S–4.0	108E–2.0	34–12	5.7b,5.2		**¶601513945**
IDC	VIII	03 00 57 21.2–1.8	7.93S	107.69E	79–16	4.1,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=11.8km az=57.0.

(192) New Britain region

ISC	**VIII**	**03 02 36 40.8–.35**	**4.62S–.05**	**153.07E–.06**	**55**	**4.8b,4.0s**	**158**	**1-158**
NEIC	VIII	03 02 36 38.5–.27	4.55S	153.10E	35	4.8b,4.0s		**¶601513208**
ISCJB	VIII	03 02 36 39.0–.26	4.63S–.04	153.13E–.04	55	4.7b,3.9s		
BJI	VIII	03 02 36 40.5	4.25S	153.32E	63	5.2b,5.0b		
DJA	VIII	03 02 36 41.8–.80	5S–6.0	153E–7.0	44–8	5.8b,5.3		
IDC	VIII	03 02 36 42.5–1.6	4.69S	152.99E	70–14	4.7,4.4		
GCMT	VIII	03 02 36 42.5–.30	4.72S–.02	152.92E–.03	24–3	5.0W,4.4		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s64,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45±.21 $M_{\theta\theta}$0.29±.10; $M_{\phi\phi}$-1.74±.16; $M_{r\theta}$2.75±.44; $M_{\theta\phi}$-0.28±.11; $M_{\phi r}$2.30±.38; Best double couple: NP1:ϕ_s44.00000°,δ80.00000°,λ106.00000°. NP2:ϕ_s166.00000°,δ18.00000°,λ33.00000°. Principal axes: T 4.1580,Plg52.0000° ,Azm332.0000°; N -0.4770,Plg15.0000°,Azm222.0000°; P -3.6810,Plg33.0000° ,Azm121.0000° M_o3.92000×10^{16}

(193) Bougainville-Solomon Islands region

ISC	**VIII**	**03 04 08 58.4–.23**	**6.99S–.03**	**155.77E–.04**	**41–1**	**5.3b,5.0s**	**745**	**5-162**
ISCJB	VIII	03 04 08 57.7–.83	6.94S–.02	155.71E–.02	46–7	5.2b,5.0s		**¶601513211**
BJI	VIII	03 04 08 57.5	6.90S	155.70E	40	5.4b,5.1s		
MOS	VIII	03 04 08 57.5–.96	6.92S	155.76E	41	5.4b,4.8s		
IDC	VIII	03 04 08 58.1–.28	6.97S	155.74E	39–2	5.0,5.0L		
NEIC	VIII	03 04 08 58.3–.12	6.94S	155.72E	39	5.4b,5.1s		
DJA	VIII	03 04 09 00.2–.60	7S–4.0	156E–4.0	48–6	6.1,5.9b		
GCMT	VIII	03 04 09 01.3–.10	7.20S–.01	155.64E–.01	46–0	5.5W,5.9b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c223; s112,c206;Duration: 1♯4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$-1.40±.02; $M_{\phi\phi}$-0.65±.02; $M_{r\theta}$0.06±.03; $M_{\theta\phi}$1.30±.02; $M_{\phi r}$-0.30±.02; Best double couple: NP1:ϕ_s133.00000°,δ48.00000°,λ99.00000°. NP2:ϕ_s300.00000°,δ42.00000°,λ80.00000°. Principal axes: T 2.0840,Plg83.0000° ,Azm103.0000°; N 0.3050,Plg6.0000°,Azm308.0000°; P -2.3900,Plg3.0000°,Azm217.0000° M_o2.23700×10^{17}

(184) Santa Cruz Islands

ISC	**VIII**	**03 11 58 58.9–.56**	**11.48S–.04**	**165.06E–.04**	**12–3**	**5.3b,4.6s**	**640**	**5-169**
BJI	VIII	03 11 58 54.8	11.18S	165.56E	5	5.5b,5.2b		**¶604029647**
MOS	VIII	03 11 58 56.9–.89	11.41S	164.98E	10	5.4b,4.8s		
ISCJB	VIII	03 11 58 56.8–.10	11.48S–.02	165.02E–.02	10	5.1b,4.7s		
NEIC	VIII	03 11 58 58.2–.11	11.48S	165.04E	10	5.4b,4.7s		
GCMT	VIII	03 11 59 00.2–.10	11.47S–.01	164.99E–.01	12	5.3W,4.7s		
IDC	VIII	03 11 59 02.5–2.0	11.48S	165.07E	42–17	5.1,4.9b		

ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=7.4km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=146.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=140.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c130; s106,c196;Duration: 1♯1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$1.22±.01; $M_{r\theta}$-0.26±.05; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.45±.04; Best double couple: NP1:ϕ_s157.00000°,δ57.00000°,λ-101.00000°. NP2:ϕ_s356.00000°,δ34.00000°,λ-74.00000°. Principal axes: T 1.4240,Plg12.0000° ,Azm255.0000°; N -0.2730,Plg9.0000°,Azm163.0000°; P -1.1460,Plg75.0000°,Azm36.0000° M_o1.28500×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=9.1km az=108.0.

(272) Seram

ISC	**VIII**	**04 00 41 42.2–.36**	**3.15S–.04**	**130.15E–.03**	**25**	**4.6b,3.4s**	**85**	**1-150**
IDC	VIII	04 00 41 37.9–.51	3.15S	129.99E	0	4.4,4.3		**¶601518059**
ISCJB	VIII	04 00 41 40.5–.24	3.11S–.03	130.17E–.03	25	4.5b,3.5s		
BJI	VIII	04 00 41 40.2	3.71S	130.38E	52	5.0b,4.7b		
NEIC	VIII	04 00 41 44.3–.74	3.15S	130.10E	46–7	4.5b,4.7b		
DJA	VIII	04 00 41 44.1–.20	3S–3.0	130E–2.0	42–18	5.8b,5.3		

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

(688) East of North Island

ISC	**VIII**	**04 09 56 25.1–1.4**	**35.95S–.07**	**179.52W–.10**	**60–10**	**4.9b,4.3s**	**165**	**2-164**
BJI	VIII	04 09 56 14.9	35.43S	178.67W	10	5.7b,5.2b		**¶601518146**
IDC	VIII	04 09 56 18.1–.57	35.59S	179.54W	0	4.8,4.7		
WEL	VIII	04 09 56 20.4–1.1	36S–12	179W–16	33	5.1L,4.7		
NEIC	VIII	04 09 56 22.0–.38	35.97S	179.41W	35	4.9b,4.7		
GCMT	VIII	04 09 56 22.0–.40	35.65S–.03	179.01W–.04	31–1	5.0W,4.7		
ISCJB	VIII	04 09 56 24.3–1.2	35.97S–.06	179.6W–.10	70–8	4.8b,4.7		

ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c37; s62,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.76±.22 $M_{\theta\theta}$-0.28±.14; $M_{\phi\phi}$-2.48±.13; $M_{r\theta}$0.93±.21; $M_{\theta\phi}$-0.98±.09; $M_{\phi r}$2.50±.18; Best double couple: NP1:ϕ_s21.00000°,δ67.00000°,λ90.00000°. NP2:ϕ_s201.00000°,δ23.00000°,λ91.00000°. Principal axes: T 3.8250,Plg68.0000° ,Azm290.0000°; N 0.0940,Plg0.0000°,Azm21.0000°; P -3.9210,Plg22.0000°,Azm111.0000° M_o3.87300×10^{16}
ISCJB Event type se.

(688) East of North Island

ISC	**VIII**	**04 12 54 27.4–.34**	**35.71S–.05**	**179.49W–.06**	**41**	**5.1b,4.6s**	**344**	**3-175**
BJI	VIII	04 12 54 18.3	35.86S	179.25W	7	5.9b,5.3b		**¶601518149**
IDC	VIII	04 12 54 22.1–.41	35.51S	179.70W	0	4.9b,4.9		
WEL	VIII	04 12 54 24.7–.80	36S–8.0	179W–10	33	5.3L,4.9		
ISCJB	VIII	04 12 54 26.4–.24	35.57S–.03	179.78W–.05	33	5.0b,4.7s		
MOS	VIII	04 12 54 26.7–1.6	35.55S	179.93W	33	5.4b,4.7s		
NEIC	VIII	04 12 54 27.1–.32	35.78S	179.75W	35	5.1b,4.7s		
GCMT	VIII	04 12 54 28.1–.20	35.65S–.02	179.26W–.02	21–0	5.2W,4.7s		

ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c88; s83,c138;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.58±.21 $M_{\theta\theta}$-0.85±.14; $M_{\phi\phi}$-4.73±.14; $M_{r\theta}$0.94±.28;

$M_{\theta\theta}$-1.96±.11; $M_{\theta r}$4.67±.26; Best double couple: NP1:ϕ_s15.00000°,δ65.00000°,λ84.00000°. NP2:ϕ_s210.00000°,δ25.00000°,λ103.00000°. Principal axes: T 7.3850,Plg69.0000° ,Azm274.0000°; N -0.1190,Plg5.0000°,Azm18.0000°; P -7.2630,Plg20.0000°,Azm110.0000° M_o7.32400×10^{16}

(204) Aru Islands region

ISC	**VIII**	**05 05 58 01.9–.32**	**5.59S–.04**	**133.88E–.05**	**32**	**4.8b,3.7s**	**135**	**3-152**
BJI	VIII	05 05 57 55.1	5.59S	134.07E	6	5.0b,4.8s		**¶601518335**
IDC	VIII	05 05 57 57.0–.46	5.62S	134.21E	0	4.6L,4.6		
NEIC	VIII	05 05 57 58.4–.19	5.59S	133.93E	10	4.7b,4.6		
ISCJB	VIII	05 05 57 59.6–.21	5.63S–.03	133.89E–.03	32	4.7b,3.8s		
DJA	VIII	05 05 58 02.0–.20	6S–3.0	134E–2.0	69–7	5.6b,5.5		

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

(238) Ryukyu Islands

ISC	**VIII**	**06 03 42 41.1–1.3**	**29.47N–.05**	**130.69E–.08**	**44–11**	**3.9b**	**56**	**1-89**
JMA	VIII	06 03 42 39.5–.20	29.42N	130.75E	34–4	4.1		**¶601520348**
ISCJB	VIII	06 03 42 40.1–.65	29.46N–.04	130.71E–.07	50–4	5.6s,3.9b		
IDC	VIII	06 03 42 41.8–1.6	29.53N	130.53E	43–13	3.8,3.7		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.5km az=26.3.
IDC Error ellipse: s-maj=25.6km s-min=9.8km az=115.0.

(413) Southwest of Africa

ISC	**VIII**	**06 12 20 44.2–.29**	**52.33S–.06**	**13.59E–.08**	**10**	**4.9b,4.4s**	**270**	**19-164**
ISCJB	VIII	06 12 20 42.8–.25	52.30S–.05	13.6E–.10	10	4.8b,4.4s		**¶601521132**
IDC	VIII	06 12 20 42.4–.38	52.28S	13.72E	0	4.6,4.6b		
MOS	VIII	06 12 20 43.4–1.3	52.32S	13.63E	10	5.1b,4.6b		
NEIC	VIII	06 12 20 44.4–.14	52.26S	13.77E	10	5.1b,4.6b		
GCMT	VIII	06 12 20 46.4–.20	52.35S–.01	13.92E–.04	14–1	5.1W,4.6b		
BJI	VIII	06 12 20 46.3	52.40S	13.50E	10	5.5b,5.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=10.8.
IDC Error ellipse: s-maj=15.1km s-min=12.3km az=103.0.
MOS Error ellipse: s-maj=22.7km s-min=10.7km az=82.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.2km az=119.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s92,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.55±.32 $M_{\theta\theta}$6.16±.23; $M_{\phi\phi}$-0.60±.18; $M_{r\theta}$2.08±.37; $M_{\theta\phi}$-0.52±.14; $M_{\phi r}$-1.94±.49; Best double couple: NP1:ϕ_s291.00000°,δ58.00000°,λ-71.00000°. NP2:ϕ_s78.00000°,δ37.00000°,λ-117.00000°. Principal axes: T 6.6210,Plg11.0000° ,Azm7.0000°; N -0.1390,Plg16.0000°,Azm100.0000°; P -6.4800,Plg71.0000°,Azm244.0000° M_o6.55000×10^{16}

(251) Samar

ISC	**VIII**	**06 13 28 46.8–1.0**	**11.35N–.04**	**125.60E–.06**	**60–9**	**4.6b**	**156**	**1-166**
MAN	VIII	06 13 28 44.4	11.40N	125.63E	17	5.6b,4.9s		**¶601521133**
ISCJB	VIII	06 13 28 46.2–.53	11.36N–.03	125.59E–.05	72–4	4.4b,4.9s		
IDC	VIII	06 13 28 46.8–2.6	11.25N	125.44E	61–23	4.4,4.2		
BJI	VIII	06 13 28 49.0	11.31N	125.65E	100	5.2b,4.6b		
NEIC	VIII	06 13 28 52.0–1.2	11.22N	125.50E	114–11	4.6b,4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.2km az=162.9.
IDC Error ellipse: s-maj=16.6km s-min=9.0km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=79.0. Felt [IV PIVS] at Borongan, Llorente and Maydolong; [III PIVS] at Guiuan, Sulat and Taft; [II PIVS] at Can-Avid, Catbalogan and Dolores. Also felt [III PIVS] at Tacloban and [II PIVS] at Palo and Tolosa, Leyte.

(248) Philippine Islands region

ISC	**VIII**	**07 05 03 43.4–.46**	**13.84N–.03**	**119.84E–.04**	**32–3**	**4.7b,3.7s**	**258**	**0-152**
BJI	VIII	07 05 03 40.8	13.81N	120.29E	30	5.1b,4.7b		**¶601521558**
MOS	VIII	07 05 03 41.9–.90	13.88N	120.06E	33	5.0b,4.7b		
MAN	VIII	07 05 03 42.7	13.81N	119.76E	32	5.7b,5.0s		
ISCJB	VIII	07 05 03 44.0–.35	13.86N–.02	119.97E–.03	51–3	4.7b,3.7s		
NEIC	VIII	07 05 03 45.9–.55	13.85N	120.03E	55–5	4.8b,3.7s		
IDC	VIII	07 05 03 47.0–1.4	13.90N	120.06E	63–12	4.5,4.3		
DJA	VIII	07 05 04 04.1–2.5	13N–19	120E–8.0	126–15	5.3b,5.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV PIVS] at Lubang. Felt [II] at Manila, [II PIVS] at Olongapo, Pasay, Sampaloc and San Francisco and [I PIVS] at Quezon City, Luzon. Also felt at Cainta and Mabayo.

(282) South of Jawa

ISC	**VIII**	**07 14 32 13.9–1.2**	**9.48S–.07**	**112.31E–.04**	**55–10**	**4.4b,3.1s**	**108**	**2-152**
BJI	VIII	07 14 32 10.6	9.60S	112.30E	44	5.1b,4.8b		**¶601529232**
NEIC	VIII	07 14 32 13.7–.67	9.28S	112.44E	51–5	4.5b,4.8b		
ISCJB	VIII	07 14 32 14.4–.62	9.38S–.05	112.29E–.03	76–4	4.3b,4.8b		
IDC	VIII	07 14 32 14.4–2.6	9.22S	112.41E	53–23	4.4L,4.3		
DJA	VIII	07 14 32 15.8–.90	9S–5.0	112E–2.0	38–30	6.3b,6.0		

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

(196) Irian Jaya region

ISC	**VIII**	**07 17 40 59.5–.37**	**4.40S–.04**	**135.32E–.03**	**20**	**4.7b**	**123**	**2-111**
IDC	VIII	07 17 40 55.9–.83	4.40S	135.32E	0	4.8L,4.6		**¶601529238**
ISCJB	VIII	07 17 40 57.6–.22	4.43S–.03	135.29E–.02	20	4.8b,3.9s		
NEIC	VIII	07 17 41 00.5–2.1	4.36S	135.31E	28–15	4.8b,3.9s		
BJI	VIII	07 17 41 01.3	4.61S	135.16E	46	5.1b,4.8s		
DJA	VIII	07 17 41 02.5–.20	4S–3.0	135E–2.0	62–10	5.5b,5.1b		

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

(182) Fiji Islands

ISC	**VIII**	**08 10 57 46.1–.22**	**16.14S–.04**	**178.23E–.03**	**26**	**5.5b,5.4s**	**1125**	**8-177**
IDC	VIII	08 10 57 41.6–.37	16.16S	178.13E	0	5.2,5.2		**¶601531885**
MOS	VIII	08 10 57 44.8–1.1	16.09S	178.08E	28	5.6b,5.4s		
NEIC	VIII	08 10 57 44.3–.11	16.02S	178.06E	13	6.0,5.9W		
WEL	VIII	08 10 57 44.0	16.02S	178.06E	13	6.0,5.9W		
ISCJB	VIII	08 10 57 44.7–.10	16.04S–.02	178.08E–.02	26	5.4s,5.4b		
NEIC	VIII	08 10 57 44.0–.00	15.94S	178.14E	15	5.4s,5.4b		
GCMT	VIII	08 10 57 51.3–.10	16.05S	178.15E	14–0	5.9W,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.9km az=100.0.
MOS Error ellipse: s-maj=7.8km s-min=7.0km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=138.0. Felt at Lami, Navua, Rakiraki, Savusavu and Suva. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$5.08 $M_{r\theta}$0.94 $M_{\theta\phi}$6.41 $M_{\phi r}$0.94 Best double couple: NP1:ϕ_s73.00000°,δ88.00000°,λ8.00000°. NP2:ϕ_s342.00000°,δ82.00000° ,λ178.00000°. Principal axes: T 8.6000,Plg7.0000°,Azm298.0000°; N -1.3900,Plg82.0000° ,Azm89.0000°; P -7.2100,Plg4.0000°,Azm207.0000° M_o8.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s302.00000°,δ71.00000° ,λ-159.00000°. NP2:ϕ_s205.00000°,δ70.00000°,λ-20.00000°. Principal axes: T Plg1.0000° ,Azm73.0000°; N Plg0.0000°,Azm0.0000°; P Plg28.0000°,Azm164.0000°
WEL manual. confirmed.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=147.4.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ78.00000° ,λ-142.00000°. NP2:ϕ_s252.00000°,δ53.00000°,λ-15.00000°. Principal axes: T 1.1300,Plg15.0000°,Azm117.0000°; N -0.2900,Plg50.0000°,Azm6.0000° ; P -0.8400,Plg34.0000°,Azm218.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c281; s147,c484; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29±.01 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$0.69±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.74±.01; $M_{\phi r}$-0.12±.01; Best double couple: NP1:ϕ_s342.00000°,δ85.00000° ,λ-170.00000°. NP2:ϕ_s252.00000°,δ80.00000°,λ-5.00000°. Principal axes: T 1.0740,Plg4.0000°,Azm117.0000°; N -0.2830,Plg79.0000°,Azm7.0000° ; P -0.7920,Plg10.0000°,Azm207.0000° M_o0.93300×10^{18}

(12) Alaska Peninsula

ISC	**VIII**	**08 14 05 17.8–.39**	**54.83N–.05**	**161.25W–.03**	**46–2**	**5.4b,4.2s**	**1781**	**0-163**
MOS	VIII	08 14 05 14.5–.89	54.94N	161.23W	28	5.5b,4.1s		**¶601532049**
BJI	VIII	08 14 05 15.1	55.00N	161.20W	56	5.0b,5.0b		
IDC	VIII	08 14 05 17.9–.52	54.90N	161.29W	43–4	5.0,5.0L		
NEIC	VIII	08 14 05 17.9–.09	54.88N	161.21W	43	5.6b,5.4L		
ISCJB	VIII	08 14 05 17.7–.21	54.92N–.02	161.15W–.02	57–1	5.4b,4.2s		
GCMT	VIII	08 14 05 19.9–.20	54.75N–.02	161.11W–.02	51–2	5.1W,4.2s		

ISC Event type fe.
NEIC Event type fe. Felt at King Cove and Sand Point. Moment Tensor Solution. s19 Moment tensor: Scale 10^{16}Nm; M_{rr}4.01 $M_{\theta\theta}$-6.05 $M_{\phi\phi}$2.04 $M_{r\theta}$-2.07 $M_{\theta\phi}$2.99 $M_{\phi r}$-2.94 Best double couple: NP1:ϕ_s141.00000°,δ52.00000°,λ144.00000°. NP2:ϕ_s255.00000° ,δ62.00000°,λ43.00000°. Principal axes: T 7.0400,Plg49.0000°,Azm113.0000° ; N 0.1100,Plg40.0000°,Azm281.0000°; P -7.1500,Plg6.0000°,Azm16.0000° M_o7.10000×10^{16}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c65; s102,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.94±.21 $M_{\theta\theta}$-4.48±.18; $M_{\phi\phi}$2.54±.15; $M_{r\theta}$1.69±.19; $M_{\theta\phi}$3.22±.13; $M_{\phi r}$-3.68±.15; Best double couple: NP1:ϕ_s149.00000°,δ78.00000°,λ136.00000°. NP2:ϕ_s251.00000°,δ47.00000°,λ16.00000°. Principal axes: T 6.0980,Plg39.0000° ,Azm100.0000°; N 0.6960,Plg45.0000°,Azm318.0000°; P -6.7940,Plg20.0000° ,Azm207.0000° M_o6.44600×10^{16}

(706) Northern Sumatera

ISC	**VIII**	**09 07 08 09.1–.00**	**1.64N–.09**	**97.7E–.10**	**10**	**4.2b**	**20**	**0-143**
DJA	VIII	09 07 07 57.6–.80	2N–6.0	98E–7.0	373–10	5.8b,5.6b		**¶601765686**
IDC	VIII	09 07 08 07.1–1.1	1.51N	97.52E	0	4.6L,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=16.0km az=54.0.

(410) Southern Mid-Atlantic Ridge

ISC	**VIII**	**09 07 09 47.0–.26**	**33.06S–.06**	**15.95W–.06**	**10**	**5.2b,4.1s**	**410**	**5-159**
MOS	VIII	09 07 09 45.5–.86	33.09S	15.93W	10	5.3b,4.1s		**¶601532944**
ISCJB	VIII	09 07 09 45.3–.17	33.15S–.04	15.89W–.04	10	5.1b,4.1s		
IDC	VIII	09 07 09 45.1–.37	33.08S	15.87W	0	4.9,4.8		
NEIC	VIII	09 07 09 46.7–.14	33.15S	15.88W	10	5.2b,4.8		
BJI	VIII	09 07 09 47.3	33.10S	15.90W	10	5.5b,5.4s		
GCMT	VIII	09 07 09 51.7–.30	32.92S–.03	15.52W–.04	22–0	5.1W,5.4s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s84,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.14±.29 $M_{\theta\theta}$-4.28±.22; $M_{\phi\phi}$-0.85±.16; $M_{r\theta}$-1.73±.35; $M_{\theta\phi}$-1.03±.13; $M_{\phi r}$0.88±.26; Best double couple: NP1:ϕ_s267.00000°,δ55.00000°,λ104.00000°. NP2:ϕ_s64.00000°,δ38.00000°,λ71.00000°. Principal axes: T 5.6190,Plg76.0000° ,Azm221.0000°; N -0.8360,Plg11.0000°,Azm79.0000°; P -4.7810,Plg9.0000°,Azm347.0000° M_o5.20000×10^{16}

(406) Central Mid-Atlantic Ridge

ISC	**VIII**	**09 08 59 23.9–.36**	**1.07S–.07**	**24.10W–.05**	**12**	**4.8b,3.9s**	**451**	**12-150**
BJI	VIII	09 08 59 21.6	1.17S	24.13W	9	5.6b,5.3b		**¶601533192**
ISCJB	VIII	09 08 59 22.5–.29	1.00S–.06	24.14W–.03	12	4.7b,3.9s		
IDC	VIII	09 08 59 22.4–.46	0.94S	24.12W	0	4.5,4.4b		
NEIC	VIII	09 08 59 23.8–.21	1.06S	24.11W	10	4.9b,4.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=171.5.
IDC Error ellipse: s-maj=17.0km s-min=10.9km az=150.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=174.0.

(706) Northern Sumatera

ISC	**VIII**	**10 04 41 42.9–.44**	**1.89N–.03**	**96.97E–.04**	**27–2**	**5.2b,4.8s**	**964**	**1-175**
BJI	VIII	10 04 41 39.3	1.77N	97.07E	22	5.4b,5.2b		**¶601534321**
NEIC	VIII	10 04 41 40.2–.12	1.90N	96.97E	8	5.2b,5.1W		
ISCJB	VIII	10 04 41 41.5–.58	1.90N–.02	97.02E–.02	27–4	5.2b,4.7s		
MOS	VIII	10 04 41 42.6–.98	1.99N	97.05E	33	5.5b,4.8s		
GCMT	VIII	10 04 41 42.2–.40	1.60N–.02	96.75E–.02	24	5.0W,4.8s		
DJA	VIII	10 04 41 43.3–.40	2N–2.0	97E–2.0	28–4	5.5b,5.5		
IDC	VIII	10 04 41 43.4–2.4	1.88N	96.99E	30–16	4.9,4.8b		
KLM	VIII	10 04 41 44.0	1.90N	96.76E	48	5.4b,4.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=214.0. Moment Tensor Solution. s33 Moment tensor: Scale 10^{16}Nm; M_{rr}2.73 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-1.40 $M_{r\theta}$2.98 $M_{\theta\phi}$-0.04 $M_{\phi r}$-3.51 Best double couple: NP1:ϕ_s140.00000°,δ78.00000°,λ89.00000°. NP2:ϕ_s323.00000° ,δ12.00000°,λ93.00000°. Principal axes: T 5.7300,Plg57.0000°,Azm49.0000° ; N -1.3900,Plg1.0000°,Azm140.0000°; P -4.3400,Plg33.0000°,Azm231.0000° M_o5.20000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=137.7.
MOS Error ellipse: s-maj=7.8km s-min=4.2km az=112.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c71; s55,c64;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.15 $M_{\theta\theta}$-1.84±.10; $M_{\phi\phi}$-0.87±.13; $M_{r\theta}$2.12±.18; $M_{\theta\phi}$1.46±.07; $M_{\phi r}$-2.80±.20; Best double couple: NP1:ϕ_s139.00000°,δ71.00000°,λ99.00000°. NP2:ϕ_s292.00000°,δ21.00000°,λ65.00000°. Principal axes: T 4.4840,Plg63.0000° ,Azm64.0000°; N 0.0200,Plg9.0000°,Azm316.0000°; P -4.5080,Plg26.0000°,Azm222.0000° M_o4.49600×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=10.3km az=49.0.

(9) Fox Islands

ISC	**VIII**	**10 18 37 42.9–.40**	**52.47N–.03**	**167.42W–.03**	**12–2**	**6.3s,5.9b**	**2666**	**1-160**
BJI	VIII	10 18 37 38.8	52.62N	167.49W	5	6.5s,6.4		**¶601551762**
ISCJB	VIII	10 18 37 41.4–.07	52.52N–.01	167.28W–.01	12	6.2s,5.8b		
IDC	VIII	10 18 37 41.7–.29	52.68N	167.53W	0	6.1,6.1s		
NEIC	VIII	10 18 37 43.1–.08	52.63N	167.42W	13	6.2W,6.2W		
NEIC	VIII	10 18 37 44.0–.00	52.10N	167.47W	11	6.2W,6.2W		
MOS	VIII	10 18 37 44.1–1.0	52.70N	167.49W	30	6.1s,6.0b		
GCMT	VIII	10 18 37 48.1–.10	52.39N	167.32W	13–0	6.2W,6.0b		
NEIC	VIII	10 18 38 07.6–.00	52.76N	167.58W	10	6.2W,6.0b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.0km s-min=1.2km az=5.3.
IDC Error ellipse: s-maj=9.3km s-min=6.8km az=177.0.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.5km az=174.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s11 Moment tensor: Scale 10^{18}Nm; M_{rr}1.11 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s226.00000°,δ16.00000°,λ75.00000°. NP2: ϕ_s61.00000°,δ74.00000°,λ94.00000°. Principal axes: T 2.0900,Plg60.0000°,Azm337.0000° ; N -0.1400,Plg4.0000°,Azm240.0000°; P -1.9500,Plg29.0000°,Azm148.0000° M_o2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ10.00000°,λ90.00000°. NP2:ϕ_s50.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm320.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000° ,Azm140.0000°
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}1.54 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.58 $M_{r\theta}$1.37 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.85 Best double couple: NP1:ϕ_s56.00000° ,δ68.00000°,λ94.00000°. NP2:ϕ_s226.00000°,δ22.00000°,λ81.00000°. Principal axes: T 2.2300,Plg66.0000°,Azm333.0000°; N 0.0600,Plg3.0000°,Azm234.0000° ; P -2.2900,Plg22.0000°,Azm143.0000° M_o2.30000×10^{18}
MOS Error ellipse: s-maj=5.7km s-min=4.7km az=78.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c321; s150,c572; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56±.01 $M_{\theta\theta}$-0.90±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$1.41±.03; $M_{\theta\phi}$-0.86±.01; $M_{\phi r}$1.02±.03; Best double couple: NP1:ϕ_s53.00000°,δ69.00000° ,λ93.00000°. NP2:ϕ_s225.00000°,δ22.00000°,λ82.00000°. Principal axes: T 2.3260,Plg66.0000°,Azm328.0000°; N 0.0820,Plg3.0000°,Azm232.0000° ; P -2.4120,Plg24.0000°,Azm140.0000° M_o2.36900×10^{18}
NEIC Event type se. Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-0.54 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.44 Best double couple: NP1:ϕ_s218.00000° ,δ23.00000°,λ59.00000°. NP2:ϕ_s70.00000°,δ70.00000°,λ102.00000°. Principal axes: T 2.5100,Plg63.0000°,Azm359.0000°; N -0.0900,Plg11.0000°,Azm246.0000° ; P -2.4200,Plg24.0000°,Azm151.0000° M_o2.50000×10^{18}

(705) Off west coast of northern Sumatera

ISC	**VIII**	**11 03 37 36.5–.66**	**0.11S–.09**	**92.13E–.06**	**35**	**4.3b,3.8s**	**46**	**6-147**
IDC	VIII	11 03 37 31.5–1.0	0.22S	92.01E	0	4.1,4.0		**¶601565564**
NEIC	VIII	11 03 37 32.6–.59	0.20S	91.99E	10	4.3b,4.0		
ISCJB	VIII	11 03 37 34.8–.53	0.12S–.07	92.13E–.05	33	4.2b,3.8s		
GCMT	VIII	11 03 37 35.6–.50	0.03S–.03	92.08E–.03	21–2	4.9W,3.8s		
DJA	VIII	11 03 37 49.8–1.1	0N–7.0	93E–11	46–60	5.9b,5.5		

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

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s70,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29±.14 $M_{\theta\theta}$-0.57±.10; $M_{\phi\phi}$0.27±.12; $M_{r\theta}$-0.34±.18; $M_{\theta\phi}$-1.66±.10; $M_{\phi r}$-1.73±.31; Best double couple: NP1:ϕ_s190.00000°,δ86.00000°,λ47.00000°. NP2: ϕ_s96.00000°,δ44.00000°,λ174.00000°. Principal axes: T 2.3710,Plg34.0000°,Azm64.0000° ; N 0.1900,Plg43.0000°,Azm194.0000°; P -2.5610,Plg28.0000°,Azm314.0000° $M_0$2.46600×10^{16}

(321) Southern Xinjiang

ISC	**VIII**	**11 09 34 22.4–.46**	**40.03N–.02**	**78.10E–.02**	**19–1**	**5.3b,5.2s**	**1189**	**2-149**
IDC	VIII	11 09 34 19.0–.36	39.92N	78.21E	0	5.0,4.9		**¶601551772**
BJI	VIII	11 09 34 20.6	39.99N	78.18E	16	5.4L,5.3b		
KRNET	VIII	11 09 34 20.5–.10	39.91N	78.67E		5.8b,5.3b		
SOME	VIII	11 09 34 20.8	39.98N	78.20E	10	5.4s,5.3b		
MOS	VIII	11 09 34 21.2–.97	39.96N	78.22E	23	5.4b,5.2s		
GCMT	VIII	11 09 34 21.8–.10	39.96N–.01	78.15E–.01	12	5.3W,5.2s		
ISCJB	VIII	11 09 34 21.1–.65	39.97N–.02	78.16E–.02	21–4	5.1b,5.1s		
NEIC	VIII	11 09 34 22.8–.93	39.96N	78.15E	22–6	5.3b,5.1W		
NNC	VIII	11 09 34 22.4–2.5	40.00N	78.03E	0–12	5.7b,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=7.5km az=5.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=126.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c143; s126,c269;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$-1.17±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-0.05±.04; Best double couple: NP1:ϕ_s82.00000°,δ47.00000°,λ95.00000°. NP2:ϕ_s255.00000°,δ43.00000°,λ84.00000°. Principal axes: T 1.1160,Plg86.0000° ,Azm55.0000°; N 0.1100,Plg4.0000°,Azm259.0000°; P -1.2230,Plg2.0000°,Azm169.0000° $M_0$1.17000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=11.5.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=188.0. Moment Tensor Solution. s24 Moment tensor: Scale 10^{16}Nm; M_{rr}4.39 $M_{\theta\theta}$-5.00 $M_{\phi\phi}$0.62 $M_{r\theta}$-2.35 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s80.00000°,δ32.00000°,λ74.00000°. NP2:ϕ_s279.00000° ,δ59.00000°,λ100.00000°. Principal axes: T 5.0500,Plg74.0000°,Azm215.0000° ; N 0.5100,Plg9.0000°,Azm93.0000°; P -5.5600,Plg13.0000°,Azm1.0000° $M_0$5.30000×10^{16}
NNC Event type se. Error ellipse: s-maj=18.4km s-min=8.7km az=143.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**11 12 23 17.7–.38**	**38.40N–.02**	**46.84E–.01**	**9–2**	**6.6s,6.1b**	**2443**	**0-165**
ISN	VIII	11 12 23 11.8–1.3	38.59N	46.87E	0–49	6.2L,6.1b		**¶604084447**
AZER	VIII	11 12 23 12.4–9.8	38.31N	46.78E	9–0	6.4L,6.1b		
NSSP	VIII	11 12 23 14.0	38.42N	46.88E	10	6.4s,6.1b		
BJI	VIII	11 12 23 14.2	38.34N	46.82E	6	6.6,6.6s		
TEH	VIII	11 12 23 15.2	38.39N	46.81E	9	6.5L,6.6s		
NSSC	VIII	11 12 23 15.9–.94	38.15N	47.33E	37–999	4.8L,6.6s		
IDC	VIII	11 12 23 15.8–.29	38.36N	46.77E	0	6.5,6.5s		
MOS	VIII	11 12 23 16.3–1.3	38.36N	46.81E	11	6.5s,6.2b		
ISCJB	VIII	11 12 23 16.5–.31	38.30N–.01	46.810E–.01	13–2	6.6s,6.0b		
THR	VIII	11 12 23 17.3–.52	38.63N	46.91E	34–5	6.0L,6.0b		
NNC	VIII	11 12 23 17.5–5.5	38.59N	46.88E	0	6.4b,6.3		
NEIC	VIII	11 12 23 17.0–.00	38.38N	47.13E	11	6.4b,6.3		
DSN	VIII	11 12 23 18.4–.45	38.20N	46.98E	9	6.9s,6.2b		
NEIC	VIII	11 12 23 18.2–.14	38.33N	46.83E	11	6.9,6.7s		
GCMT	VIII	11 12 23 20.2–.10	38.31N	46.80E	15	6.5W,6.7s		
NEIC	VIII	11 12 23 33.2–.00	38.98N	46.55E	10	6.5W,6.7s		

ISC Event type de.
ISN Error ellipse: s-maj=49.9km s-min=36.0km az=-1.0.
AZER Error ellipse: s-maj=5.5km s-min=1.3km az=22.0.
NSSC Error ellipse: s-maj=553.0km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=7.4km s-min=6.6km az=21.0.
MOS Error ellipse: s-maj=3.9km s-min=2.5km az=129.6. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s354.00000°,δ90.00000°,λ0.00000°. NP2: ϕ_s84.00000°,δ90.00000°,λ180.00000°. Principal axes: T Plg0.0000°,Azm39.0000° ; N Plg90.0000°,Azm0.0000°; P Plg0.0000°,Azm309.0000° $M_0$4.10000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.1km az=14.5.
THR Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=52.3km s-min=35.3km az=43.0.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{18}Nm; M_{rr}0.19 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.45 $M_{r\theta}$2.15 $M_{\theta\phi}$-4.57 $M_{\phi r}$-1.16 Best double couple: NP1:ϕ_s86.00000° ,δ79.00000°,λ157.00000°. NP2:ϕ_s180.00000°,δ67.00000°,λ12.00000°. Principal axes: T 5.5400,Plg23.0000°,Azm41.0000°; N -0.7800,Plg64.0000°,Azm242.0000° ; P -4.7600,Plg8.0000°,Azm134.0000° $M_0$5.20000×10^{18}
DSN Error ellipse: s-maj=9.8km s-min=5.1km az=39.0.
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=2.4km az=183.0. At least 306 people killed, 3,000 injured, 4 villages destroyed and 60 heavily damaged in the epicentral area. Some buildings damaged at Tabriz. Power outages occurred and communications were disrupted. Felt [VI] at Tabriz and [V] at Orumiyeh. Also felt at Ahar, Maragheh, Marand, Meshgin Shahr, Rasht and Zanjan. Felt [III] at Yerevan, Armenia. Also felt at Kapan and Tsovazard. Felt [II] at Tbilisi, Georgia. Felt at Mincivan, Azerbaijan; Erbil, Iraq; Van, Turkey. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s82 Moment tensor: Scale 10^{18}Nm; M_{rr}0.20 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.87 $M_{\theta\phi}$-3.84 $M_{\phi r}$-0.39 Best double couple: NP1:ϕ_s355.00000°,δ77.00000°,λ-3.00000°. NP2: ϕ_s85.00000°,δ87.00000°,λ-167.00000°. Principal axes: T 3.8500,Plg7.0000°,Azm219.0000° ; N 0.3200,Plg77.0000°,Azm99.0000°; P -4.1700,Plg11.0000°,Azm311.0000° $M_0$4.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s85.00000°,δ89.00000°,λ-178.00000°. NP2:ϕ_s355.00000°,δ88.00000°,λ-1.00000°. Principal axes: T Plg1.0000°,Azm220.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm310.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c346; s148,c612; Duration: 4$\hat{s}$1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.04±.03 $M_{\theta\theta}$0.51±.03; $M_{\phi\phi}$-1.55±.03; $M_{r\theta}$0.88±.10; $M_{\theta\phi}$-5.85±.03; $M_{\phi r}$-0.37±.09; Best double couple: NP1:ϕ_s84.00000°,δ84.00000° ,λ170.00000°. NP2:ϕ_s175.00000°,δ81.00000°,λ6.00000°. Principal axes: T 5.6020,Plg11.0000°,Azm40.0000°; N 0.8690,Plg79.0000°,Azm231.0000° ; P -6.4700,Plg2.0000°,Azm130.0000° $M_0$6.03600×10^{18}
NEIC Event type se. Moment Tensor Solution. s103 Moment tensor: Scale 10^{18}Nm; M_{rr}0.49 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.83 $M_{\theta\phi}$-4.81 $M_{\phi r}$-3.18 Best double couple: NP1:ϕ_s357.00000° ,δ88.00000°,λ-33.00000°. NP2:ϕ_s89.00000°,δ57.00000°,λ-178.00000°. Principal axes: T 5.1800,Plg21.0000°,Azm48.0000°; N 1.2100,Plg57.0000°,Azm175.0000° ; P -6.3800,Plg24.0000°,Azm308.0000° $M_0$5.80000×10^{18}

(344) Iran-Azerbaijan border region

ISC	**VIII**	**11 12 34 36.6–.46**	**38.38N–.02**	**46.80E–.02**	**19–1**	**6.1b**	**2232**	**0-165**
NSSC	VIII	11 12 34 19.4–.68	37.58N	48.95E	37–999	5.2L		**¶604846898**
ISN	VIII	11 12 34 30.8–1.3	38.59N	46.76E	0–47	6.1L		
AZER	VIII	11 12 34 32.4–.18	38.41N	46.79E	10–1	6.4L		
ISCJB	VIII	11 12 34 33.9–.06	38.35N–.01	46.737E–.01	10	6.0b		
TEH	VIII	11 12 34 33.8	38.39N	46.81E	4	6.3L		
BJI	VIII	11 12 34 33.3	38.39N	46.77E	6	6.5b,6.5s		
MOS	VIII	11 12 34 33.7–1.2	38.34N	46.76E	10	6.3b,6.3s		
IDC	VIII	11 12 34 33.5–.28	38.40N	46.78E	0	6.3,6.3s		
NSSP	VIII	11 12 34 34.9	38.47N	46.88E	10	6.2s,6.3s		
THR	VIII	11 12 34 34.5–.48	38.56N	46.77E	18–13	6.0L,6.3s		
NEIC	VIII	11 12 34 35.0–.00	38.62N	47.14E	11	6.0L,6.3s		
NEIC	VIII	11 12 34 35.9–.11	38.39N	46.75E	12	6.3,6.3b		
PDG	VIII	11 12 34 36.1	38.48N	46.75E	10	6.2b,6.3b		
GII	VIII	11 12 34 36.7–.00	38.47N	46.75E	10	6.2b,6.3b		
DSN	VIII	11 12 34 37.2–.48	38.20N	46.84E	9	6.4b,6.3b		
NNC	VIII	11 12 34 37.8–5.0	39.05N	46.85E	0	6.5b,6.3		
GCMT	VIII	11 12 34 38.9–.10	38.35N–.01	46.78E–.01	19–0	6.3W,6.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}1.74 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.10 $M_{\theta\phi}$-1.71 $M_{\phi r}$0.41 Best double couple: NP1:ϕ_s256.00000° ,δ60.00000°,λ127.00000°. NP2:ϕ_s19.00000°,δ47.00000°,λ43.00000°. Principal axes: T 2.4600,Plg57.0000°,Azm218.0000°; N 0.2000,Plg31.0000°,Azm255.0000° ; P -2.6600,Plg7.0000°,Azm320.0000° $M_0$2.60000×10^{18}
NEIC Event type fe. Felt [V] at Ahar and Tabriz. Also felt at 'Alamdar, Azar Shahr, Maragheh, Meshgin Shahr, Miandoab and Orumiyeh. Felt [III] at Yerevan, Armenia. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
PDG Event type ke.
GII Event type ke.
NNC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c90; s140,c500;Duration: 3$\hat{s}$7 Moment tensor: Scale 10^{18}Nm; M_{rr}2.48±.06 $M_{\theta\theta}$-1.07±.04; $M_{\phi\phi}$-1.41±.04; $M_{r\theta}$-1.78±.10; $M_{\theta\phi}$-3.21±.03; $M_{\phi r}$0.44±.09; Best double couple: NP1:ϕ_s255.00000°,δ63.00000°,λ134.00000°. NP2:ϕ_s10.00000°,δ50.00000°,λ36.00000°. Principal axes: T 3.8980,Plg50.0000° ,Azm216.0000°; N 0.6800,Plg39.0000°,Azm52.0000°; P -4.5780,Plg8.0000°,Azm315.0000° $M_0$4.23800×10^{18}

(345) Northwestern Iran

ISC	**VIII**	**11 15 21 15.9–.69**	**38.46N–.02**	**46.80E–.02**	**12–4**	**4.6b**	**500**	**0-77**
AZER	VIII	11 15 21 11.5–.04	38.29N	46.67E	10–0	5.2L		**¶601551785**
IDC	VIII	11 15 21 13.0–.56	38.28N	46.77E	0	4.8,4.8s		
ISN	VIII	11 15 21 12.8–1.1	38.78N	46.93E	0–56	4.7L,4.8s		
BJI	VIII	11 15 21 14.3	38.30N	46.80E	10	4.9b,4.7b		
MOS	VIII	11 15 21 14.0–1.5	38.33N	46.88E	12	4.8b,4.7b		
TEH	VIII	11 15 21 14.5	38.43N	46.80E	4	4.7L,4.7b		
NEIC	VIII	11 15 21 14.6–.00	38.43N	46.79E	4	4.7b,4.5		
THR	VIII	11 15 21 14.5–.71	38.49N	46.76E	14–10	4.6L,4.5		
DSN	VIII	11 15 21 16.0–.50	38.43N	47.08E	10	5.0b,4.5		
NNC	VIII	11 15 21 17.5–4.0	38.91N	47.13E	0	5.5b,5.4		
ISCJB	VIII	11 15 21 18.7–.54	38.36N–.02	46.86E–.02	33–4	4.6s,4.5b		
NSSC	VIII	11 15 21 26.1–1.7	38.98N	46.15E	37–999	3.4L,4.5b		

ISC Event type se.
AZER Error ellipse: s-maj=2.3km s-min=0.8km az=32.0.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=12.0.
ISN Error ellipse: s-maj=55.2km s-min=44.0km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=113.8.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.6km s-min=2.7km az=-1.0.
DSN Error ellipse: s-maj=9.4km s-min=4.0km az=32.0.
NNC Event type se. Error ellipse: s-maj=35.1km s-min=17.8km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=23.9.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**11 22 24 02.5–.58**	**38.46N–.02**	**46.72E–.01**	**4–3**	**5.0b,4.5s**	**1202**	**0-133**
ISN	VIII	11 22 23 56.7–1.1	38.77N	46.75E	0–43	5.0L,4.5s		**¶601551806**
MOS	VIII	11 22 24 01.7–1.3	38.29N	46.69E	11	5.2b,4.4s		
BJI	VIII	11 22 24 01.5	38.40N	46.70E	5	5.0b,4.9b		
AZER	VIII	11 22 24 01.5–.03	38.49N	46.73E	9–0	5.6L,4.9b		
IDC	VIII	11 22 24 01.6–.37	38.33N	46.65E	0	4.9,4.8		
GII	VIII	11 22 24 01.1–.00	38.53N	46.81E	5	4.9,4.8		
TEH	VIII	11 22 24 02.5	38.43N	46.75E	4	4.9L,4.8		
THR	VIII	11 22 24 02.8–.56	38.46N	46.72E	17–5	4.9L,4.8		
NEIC	VIII	11 22 24 02.0–.00	38.48N	46.76E	4	5.1b,4.9L		
ISCJB	VIII	11 22 24 04.4–.31	38.33N–.01	46.64E–.01	28–2	4.9b,4.5s		
DSN	VIII	11 22 24 04.3–.39	38.34N	46.78E	10	5.3b,4.5s		
NNC	VIII	11 22 24 05.2–6.9	38.87N	47.00E	0	5.9b,5.7		
GCMT	VIII	11 22 24 06.0–.10	38.35N–.01	46.73E–.01	27–0	5.2W,5.7		

ISC Event type fe.
GII Event type ke.
NEIC Event type fe. Felt at Tabriz. Also felt at Tbilisi, Georgia. After TEH.
ISCJB Event type fe.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c91; s112,c200;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39±.14 $M_{\theta\theta}$3.74±.13; $M_{\phi\phi}$-4.13±.11; $M_{r\theta}$-4.36±.29; $M_{\theta\phi}$-6.61±.11; $M_{\phi r}$-1.36±.23; Best double couple: NP1:ϕ_s254.00000°,δ89.00000°,λ149.00000°. NP2:ϕ_s345.00000°,δ59.00000°,λ1.00000°. Principal axes: T 8.7610,Plg22.0000° ,Azm205.0000°; N 0.3760,Plg59.0000°,Azm72.0000°; P -9.1330,Plg20.0000°,Azm304.0000° $M_0$8.94700×10^{16}

(306) Xizang

ISC	**VIII**	**12 10 47 07.4–.39**	**35.65N–.02**	**82.54E–.02**	**14–2**	**6.1s,6.0b**	**1930**	**6-158**
NNC	VIII	12 10 47 03.5–2.6	35.67N	82.84E	0	6.5,6.4b		**¶601554362**
IDC	VIII	12 10 47 04.7–.27	35.71N	82.58E	0	5.9,5.9s		
ISCJB	VIII	12 10 47 05.3–.07	35.73N–.01	82.56E–.01	13	6.1s,5.9b		
MOS	VIII	12 10 47 05.1–.95	35.67N	82.54E	14	6.1b,6.1s		
NEIC	VIII	12 10 47 06.0–.00	36.07N	82.17E	15	6.1b,6.1s		
NEIC	VIII	12 10 47 06.5–.08	35.66N	82.52E	13	6.3W,6.2W		
BJI	VIII	12 10 47 07.7	35.94N	82.56E	28	6.3,6.3b		
GCMT	VIII	12 10 47 11.4–.10	35.88N	82.52E	17–0	6.2W,6.3b		
NEIC	VIII	12 10 47 25.2–.00	36.54N	82.22E	21	6.2W,6.3b		

ISC Event type fe.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=19.3km az=117.0.
IDC Error ellipse: s-maj=8.7km s-min=5.9km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=36.2.
MOS Error ellipse: s-maj=4.9km s-min=2.9km az=125.7.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.60 $M_{\theta\theta}$0.52 $M_{\phi\phi}$2.08 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.45 $M_{\phi r}$-1.25 Best double couple: NP1:ϕ_s13.00000° ,δ59.00000°,λ-91.00000°. NP2:ϕ_s196.00000°,δ31.00000°,λ-88.00000°. Principal axes: T 2.5200,Plg14.0000°,Azm104.0000°; N 0.4000,Plg0.0000°,Azm14.0000° ; P -2.9200,Plg75.0000°,Azm280.0000° $M_0$2.70000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=23.0. Felt at Hotan. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$1.39 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s24.00000°,δ48.00000°,λ-79.00000°. NP2:ϕ_s187.00000°,δ43.00000°,λ-102.00000°. Principal axes: T 1.5500,Plg2.0000° ,Azm106.0000°; N -0.5600,Plg8.0000°,Azm196.0000°; P -1.0000,Plg82.0000° ,Azm360.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ44.00000°,λ-68.00000°. NP2: ϕ_s25.00000°,δ50.00000°,λ-110.00000°. Principal axes: T Plg3.0000°,Azm129.0000° ; N Plg0.0000°,Azm0.0000°; P Plg74.0000°,Azm230.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c305; s131,c519; Duration: 3$\hat{s}$1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.96±.01 $M_{\theta\theta}$-0.58±.01; $M_{\phi\phi}$2.54±.01; $M_{r\theta}$0.79±.04; $M_{\theta\phi}$0.59±.01; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s346.00000°,δ55.00000° ,λ-123.00000°. NP2:ϕ_s215.00000°,δ47.00000°,λ-52.00000°. Principal axes: T 2.6750,Plg5.0000°,Azm99.0000°; N -0.2570,Plg26.0000°,Azm7.0000° ; P -2.4220,Plg63.0000°,Azm198.0000° $M_0$2.54800×10^{18}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.48 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$2.65 $M_{r\theta}$1.38 $M_{\theta\phi}$0.57 $M_{\phi r}$0.92 Best double couple: NP1:ϕ_s212.00000° ,δ61.00000°,λ-67.00000°. NP2:ϕ_s351.00000°,δ37.00000°,λ-125.00000°. Principal axes: T 3.0300,Plg13.0000°,Azm286.0000°; N 0.1600,Plg20.0000°,Azm21.0000° ; P -3.1900,Plg66.0000°,Azm165.0000° $M_0$3.10000×10^{18}

(691) Pacific-Antarctic Ridge

ISC	**VIII**	**12 18 31 26.2–.41**	**63.28S–.07**	**157.53W–.08**	**10**	**5.0s,4.9b**	**76**	**18-169**
IDC	VIII	12 18 31 22.9–.65	62.87S	158.00W	0	4.8,4.8		**¶601554141**
ISCJB	VIII	12 18 31 24.3–.55	63.21S–.07	157.7W–.20	10	5.0s,4.8b		
NEIC	VIII	12 18 31 25.1–.46	63.00S	157.72W	10	5.0s,5.0b		
BJI	VIII	12 18 31 25.2	63.20S	157.40W	10	5.5b,5.4s		
GCMT	VIII	12 18 31 33.1–.20	62.86S–.01	158.58W–.03	12	5.4W,5.4s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c101; s93,c137;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26±.03 $M_{\theta\theta}$-1.56±.03; $M_{\phi\phi}$1.30±.03; $M_{r\theta}$-0.10±.08; $M_{\theta\phi}$-0.50±.03; $M_{\phi r}$-0.38±.08; Best double couple: NP1:ϕ_s216.00000°,δ82.00000°,λ15.00000°. NP2:ϕ_s124.00000°,δ75.00000°,λ172.00000°. Principal axes: T 1.4870,Plg16.0000° ,Azm81.0000°; N 0.1670,Plg73.0000°,Azm243.0000°; P -1.6590,Plg5.0000°,Azm350.0000° $M_0$1.57300×10^{17}

(738) Reykjanes Ridge

ISC	**VIII**	**15 10 04 28.1–.75**	**57.91N–.04**	**32.69W–.03**	**6–4**	**5.2b,5.0s**	**1616**	**7-160**
IDC	VIII	15 10 04 26.6–.29	57.83N	32.76W	0	5.0,5.0		**¶601765880**
BJI	VIII	15 10 04 27.1	58.36N	32.92W	6	5.5b,5.3b		
ISCJB	VIII	15 10 04 27.7–.06	57.93N–.02	32.71W–.01	12	5.2b,5.0s		
MOS	VIII	15 10 04 27.2–.84	57.94N	32.70W	9	5.4b,5.0s		
GCMT	VIII	15 10 04 29.1–.10	57.92N–.01	32.47W–.01	12	5.4W,5.0s		
NEIC	VIII	15 10 04 29.1–.07	57.89N	32.65W	10	5.2b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=6.8km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.1km az=174.0.
MOS Error ellipse: s-maj=5.6km s-min=4.7km az=65.5.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c70; s128,c259;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.64±.03 $M_{\theta\theta}$0.17±.03; $M_{\phi\phi}$1.47±.02; $M_{r\theta}$0.29±.09; $M_{\theta\phi}$0.54±.02; $M_{\phi r}$-0.28±.07; Best double couple: NP1:ϕ_s8.00000°,δ49.00000°,λ-106.00000°. NP2:ϕ_s212.00000°,δ43.00000°,λ-72.00000°. Principal axes: T 1.6730,Plg3.0000° ,Azm109.0000°; N 0.0550,Plg12.0000°,Azm19.0000°; P -1.7300,Plg77.0000°,Azm212.0000° $M_0$1.70100×10^{17}

NEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.2km az=175.0.

(216) Mariana Islands

ISC	**VIII**	**15 10 10 01.7–.62**	**13.02N–.06**	**145.67E–.06**	**47–4**	**4.9b,3.9s**	**397**	**1-151**
ISCJB	VIII	15 10 09 57.0–1.9	13.13N–.04	145.56E–.03	18–13	4.9b,4.1s		**¶601561884**
DJA	VIII	15 10 09 58.1–5.2	13N–10	146E–11	25–43	5.8b,5.3		
MOS	VIII	15 10 10 00.3–1.1	13.15N	145.55E	47	5.2b,5.3		
NEIC	VIII	15 10 10 02.7–.77	13.04N	145.55E	55–6	4.9b,5.3		
IDC	VIII	15 10 10 03.2–1.3	13.06N	145.63E	61–9	4.9,4.6		
BJI	VIII	15 10 10 03.0	13.22N	145.66E	64	5.1b,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.8km az=2.3.
MOS Error ellipse: s-maj=15.3km s-min=7.1km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=146.0. Felt at Barrigada.
IDC Error ellipse: s-maj=14.7km s-min=12.6km az=102.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**15 17 49 06.3–.55**	**38.47N–.02**	**46.68E–.01**	**12–3**	**5.2b,4.2s**	**1307**	**0-134**
ISN	VIII	15 17 49 01.2–1.2	38.76N	46.87E	0–49	5.0L,4.2s		**¶601564146**
AZER	VIII	15 17 49 02.5–.64	38.43N	46.65E	6–0	5.3L,4.2s		
IDC	VIII	15 17 49 03.4–.35	38.30N	46.71E	0	4.9,4.9		
NEIC	VIII	15 17 49 04.6–.00	38.41N	46.67E	4	5.3b,5.1L		
BJI	VIII	15 17 49 04.1	38.40N	46.70E	7	5.2b,5.2b		
TEH	VIII	15 17 49 04.6	38.44N	46.67E	4	5.0L,5.2b		
MOS	VIII	15 17 49 04.4–1.3	38.33N	46.73E	11	5.3b,5.2b		
ISCJB	VIII	15 17 49 05.0–.35	38.49N–.01	46.74E–.01	11–2	5.2b,4.3s		
THR	VIII	15 17 49 05.0–.34	38.45N	46.66E	14–5	5.1L,4.3s		
GII	VIII	15 17 49 06.4–.00	38.59N	46.87E	5	5.1L,4.3s		
NNC	VIII	15 17 49 06.8–11	38.73N	46.90E	0	5.6b,5.2		
DSN	VIII	15 17 49 07.5–.32	38.23N	46.78E	10	5.3b,5.2		
GCMT	VIII	15 17 49 08.6–.20	38.39N–.02	46.71E–.02	13–0	5.0W,5.2		
DDA	VIII	15 17 49 49.5	38.53N	46.88E	12	4.6L,5.2		

ISC Event type fe.
ISN Error ellipse: s-maj=50.6km s-min=35.1km az=-1.0.
AZER Error ellipse: s-maj=1.8km s-min=0.7km az=19.0.
IDC Error ellipse: s-maj=8.9km s-min=6.8km az=16.0.
NEIC Event type fe. Felt [IV] at Tabriz. Also felt at Ahar, Marand and Orumiyeh. Felt at Jermuk, Armenia. After TEH.
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=125.1.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=22.6.
THR Error ellipse: s-maj=4.6km s-min=2.5km az=-1.0.
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=103.7km s-min=54.2km az=55.0.
DSN Error ellipse: s-maj=7.3km s-min=3.9km az=47.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c56; s92,c154;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.16 $M_{\theta\theta}$-0.34±.12; $M_{\phi\phi}$-2.55±.11; $M_{r\theta}$-0.03±.31; $M_{\theta\phi}$-3.77±.10; $M_{\phi r}$0.70±.26; Best double couple: NP1:ϕ_s10.00000°,δ56.00000°,λ51.00000°. NP2:ϕ_s246.00000°,δ50.00000°,λ133.00000°. Principal axes: T 3.1960,Plg58.0000° ,Azm223.0000°; N 2.2130,Plg32.0000°,Azm34.0000°; P -5.4090,Plg4.0000°,Azm127.0000° $M_0$4.30300×10^{16}

DDA Event type ke.

(756) Southeast of Easter Island

ISC	**VIII**	**16 13 24 45.5–.32**	**36.31S–.08**	**98.93W–.06**	**14**	**5.0s,5.0b**	**234**	**13-175**
IDC	VIII	16 13 24 42.9–.59	36.41S	98.88W	0	4.9s,4.9		**¶601564326**
ISCJB	VIII	16 13 24 43.6–.31	36.49S–.06	98.94W–.06	14	5.1s,4.8b		
BJI	VIII	16 13 24 43.7	36.55S	99.12W	10	5.5s,5.4		
NEIC	VIII	16 13 24 44.4–.34	36.43S	98.91W	10	5.8W,5.7W		
MOS	VIII	16 13 24 44.0–1.4	36.25S	98.72W	10	5.1b,4.8s		
NEIC	VIII	16 13 24 45.0–.00	36.13S	99.00W	17	5.1b,4.8s		
GCMT	VIII	16 13 24 48.4–.10	36.39S–.01	99.15W–.01	18–0	5.7W,4.8s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$0.62 $M_{r\theta}$-0.29 $M_{\theta\phi}$-4.47 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s276.00000° ,δ87.00000°,λ175.00000°. NP2:ϕ_s6.00000°,δ85.00000°,λ3.00000°. Principal axes: T 4.2400,Plg5.0000°,Azm231.0000°; N 0.7200,Plg85.0000°,Azm63.0000° ; P -4.9600,Plg1.0000°,Azm321.0000° $M_0$4.60000×10^{17}
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$1.14 $M_{r\theta}$1.46 $M_{\theta\phi}$-5.02 $M_{\phi r}$1.20 Best double couple: NP1:ϕ_s276.00000° ,δ75.00000°,λ-164.00000°. NP2:ϕ_s182.00000°,δ75.00000°,λ-15.00000°. Principal axes: T 5.4300,Plg0.0000°,Azm49.0000°; N 0.0500,Plg68.0000°,Azm318.0000° ; P -5.4800,Plg21.0000°,Azm139.0000° $M_0$5.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c246; s134,c362;
Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.04 $M_{\theta\theta}$-0.52±.04; $M_{\phi\phi}$0.93±.04; $M_{r\theta}$0.62±.10; $M_{\theta\phi}$-4.83±.04; $M_{\phi r}$-0.79±.11; Best double couple: NP1:ϕ_s185.00000°,δ83.00000° ,λ8.00000°. NP2:ϕ_s94.00000°,δ82.00000°,λ173.00000°. Principal axes: T 5.2690,Plg10.0000°,Azm49.0000°; N -0.5910,Plg80.0000°,Azm225.0000° ; P -4.6770,Plg1.0000°,Azm319.0000° $M_0$4.97300×10^{17}

(406) Central Mid-Atlantic Ridge

ISC	**VIII**	**16 14 14 31.2–.34**	**0.17S–.07**	**18.77W–.06**	**10**	**5.1b,4.5s**	**430**	**9-147**
BJI	VIII	16 14 14 27.9	0.39S	18.72W	4	5.6b,5.5b		**¶601564327**
ISCJB	VIII	16 14 14 29.0–.24	0.35S–.05	18.71W–.03	10	4.9b,4.5s		
IDC	VIII	16 14 14 29.5–.44	0.24S	18.79W	0	5.5L,4.6		
MOS	VIII	16 14 14 29.1–.90	0.22S	18.76W	11	5.3b,4.5s		
NEIC	VIII	16 14 14 30.9–.25	0.27S	18.76W	10	5.1b,4.5s		
GCMT	VIII	16 14 14 34.9–.20	0.17S–.01	18.65W–.01	24–1	5.3W,4.5s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c83; s112,c172;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$0.44±.03; $M_{\phi\phi}$-0.33±.03; $M_{r\theta}$0.36±.07; $M_{\theta\phi}$-1.06±.02; $M_{\phi r}$-0.27±.06; Best double couple: NP1:ϕ_s171.00000°,δ78.00000°,λ13.00000°. NP2:ϕ_s79.00000°,δ77.00000°,λ168.00000°. Principal axes: T 1.3240,Plg17.0000° ,Azm35.0000°; N -0.2470,Plg73.0000°,Azm212.0000°; P -1.0770,Plg1.0000°,Azm305.0000° $M_0$1.20000×10^{17}

(406) Central Mid-Atlantic Ridge

ISC	**VIII**	**17 00 12 10.2–.34**	**0.30S–.06**	**18.68W–.05**	**10**	**5.2b,4.3s**	**779**	**9-147**
CNRM	VIII	17 00 11 59.3	1.64S	19.46W	16	4.5L,4.3s		**¶601564509**
ISCJB	VIII	17 00 12 08.5–.16	0.33S–.03	18.68W–.02	10	5.1b,4.2s		
MOS	VIII	17 00 12 08.4–.78	0.22S	18.74W	9	5.5b,4.2s		
IDC	VIII	17 00 12 09.1–.54	0.21S	18.72W	0	6.0L,4.9		
BJI	VIII	17 00 12 09.0	0.30S	18.70W	10	5.7b,5.5s		
NEIC	VIII	17 00 12 10.4–.14	0.35S	18.71W	10	5.2b,5.5s		
GCMT	VIII	17 00 12 14.4–.20	0.09S–.01	18.67W–.01	33–0	5.2W,5.5s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c104; s109,c178;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.65±.22 $M_{\theta\theta}$2.58±.17; $M_{\phi\phi}$-3.24±.17; $M_{r\theta}$0.90±.24; $M_{\theta\phi}$-7.32±.14; $M_{\phi r}$-1.38±.23; Best double couple: NP1:ϕ_s170.00000°,δ85.00000°,λ11.00000°. NP2:ϕ_s79.00000°,δ79.00000°,λ174.00000°. Principal axes: T 7.8670,Plg12.0000° ,Azm35.0000°; N 0.3780,Plg77.0000°,Azm195.0000°; P -8.2540,Plg4.0000°,Azm304.0000° $M_0$8.06000×10^{16}

(193) Bougainville-Solomon Islands region

ISC	**VIII**	**17 16 09 32.4–.32**	**6.76S–.05**	**154.50E–.05**	**39**	**4.9b,4.7s**	**348**	**3-152**
IDC	VIII	17 16 09 26.0–.51	6.76S	154.52E	0	4.7,4.7b		**¶604029692**
NEIC	VIII	17 16 09 28.3–1.9	6.79S	154.53E	15–11	5.0b,4.7b		
ISCJB	VIII	17 16 09 30.7–.16	6.85S–.03	154.54E–.03	39	4.9b,4.7s		
MOS	VIII	17 16 09 31.0–1.5	6.73S	154.34E	40	5.2b,5.1s		
DJA	VIII	17 16 09 32.2–.80	7S–4.0	155E–4.0	36–7	5.6,5.6b		
BJI	VIII	17 16 09 33.7	6.27S	154.74E	55	5.4s,5.2b		
GCMT	VIII	17 16 09 33.3–.20	7.00S–.01	154.45E–.01	17–0	5.2W,5.2b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c102; s101,c167;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}6.17±.18 $M_{\theta\theta}$-3.29±.11; $M_{\phi\phi}$-2.87±.12; $M_{r\theta}$3.33±.30; $M_{\theta\phi}$2.68±.09; $M_{\phi r}$-3.61±.34; Best double couple: NP1:ϕ_s136.00000°,δ65.00000°,λ92.00000°. NP2:ϕ_s310.00000°,δ25.00000°,λ85.00000°. Principal axes: T 7.9370,Plg70.0000° ,Azm50.0000°; N -0.4060,Plg2.0000°,Azm315.0000°; P -7.5220,Plg20.0000°,Azm224.0000° $M_0$7.72900×10^{16}

(268) Sulawesi

ISC	**VIII**	**18 09 41 55.2–.41**	**1.35S–.02**	**120.13E–.02**	**28–2**	**6.2s,5.7b**	**1361**	**1-178**
IDC	VIII	18 09 41 49.7–.25	1.28S	120.11E	0	6.1,6.1s		**¶601565602**
BJI	VIII	18 09 41 51.8	1.43S	120.07E	19	6.3s,6.2b		
ISCJB	VIII	18 09 41 51.8–.41	1.32S–.01	120.16E–.01	15–3	6.2s,5.6b		
NEIC	VIII	18 09 41 52.5–.12	1.32S	120.10E	10	6.6,6.3W		
DJA	VIII	18 09 41 53.6–.10	1S–1.0	120E–1.0	10	6.5b,6.3		
MOS	VIII	18 09 41 54.0–1.4	1.26S	120.18E	32	6.0s,5.9b		
NEIC	VIII	18 09 41 54.0–.00	1.35S	120.50E	13	6.0s,5.9b		
KLM	VIII	18 09 41 54.0	1.27S	120.19E	10	6.3b,5.9b		
GCMT	VIII	18 09 41 55.5–.10	1.26S	120.00E	12–0	6.3W,5.9b		
NEIC	VIII	18 09 42 06.0–.00	1.35S	119.95E	14	6.3W,5.9b		

ISC Event type de.
IDC Error ellipse: s-maj=8.3km s-min=5.4km az=40.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=2.2km az=38.7.
NEIC Event type de. Error ellipse: s-maj=4.0km s-min=3.3km az=50.0. At least 6 people killed, 43 injured, 471 homes destroyed and 1,097 damaged in the epicentral area. Landslides blocked roads and some roads and bridges in the area were destroyed. Felt [V] at Palu and [IV] at Kulawi. Also felt at Poso. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.21 $M_{\theta\phi}$-2.89 $M_{\phi r}$-0.17 Best double couple: NP1: ϕ_s72.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_s162.00000°,δ88.00000°,λ3.00000°. Principal axes: T 3.6600,Plg4.0000°,Azm27.0000°; N -0.1700,Plg86.0000°,Azm193.0000° ; P -3.4900,Plg1.0000°,Azm297.0000° $M_0$3.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ88.00000°,λ175.00000°. NP2: ϕ_s330.00000°,δ85.00000°,λ2.00000°. Principal axes: T Plg5.0000°,Azm195.0000° ; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm285.0000°
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=113.6.
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-1.79 $M_{r\theta}$-1.03 $M_{\theta\phi}$-2.29 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s71.00000° ,δ88.00000°,λ-159.00000°. NP2:ϕ_s340.00000°,δ69.00000°,λ-2.00000°. Principal axes: T 3.1800,Plg13.0000°,Azm203.0000°; N -0.0600,Plg69.0000°,Azm76.0000° ; P -3.1200,Plg16.0000°,Azm297.0000° $M_0$3.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c344; s147,c592;
Duration: 3s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.70±.02 $M_{\theta\theta}$2.74±.02; $M_{\phi\phi}$-2.04±.02; $M_{r\theta}$-0.28±.04; $M_{\theta\phi}$-2.78±.02; $M_{\phi r}$-0.34±.04; Best double couple: NP1:ϕ_s70.00000°,δ85.00000° ,λ-173.00000°. NP2:ϕ_s339.00000°,δ83.00000°,λ-5.00000°. Principal axes: T 4.0190,Plg1.0000°,Azm205.0000°; N -0.6390,Plg81.0000°,Azm106.0000° ; P -3.3820,Plg9.0000°,Azm295.0000° $M_0$3.70000×10^{18}
NEIC Event type se. Moment Tensor Solution. s113 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.38 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.36 $M_{\theta\phi}$-2.79 $M_{\phi r}$-1.58 Best double couple: NP1:ϕ_s338.00000° ,δ78.00000°,λ-21.00000°. NP2:ϕ_s73.00000°,δ70.00000°,λ-167.00000°. Principal axes: T 3.8200,Plg5.0000°,Azm27.0000°; N 0.2600,Plg66.0000°,Azm128.0000° ; P -4.0800,Plg23.0000°,Azm294.0000° $M_0$4.00000×10^{18}

(185) Vanuatu Islands region

ISC	**VIII**	**18 10 23 32.8–.24**	**13.47S–.05**	**172.41E–.05**	**35**	**5.6s,5.3b**	**721**	**8-176**
ISCJB	VIII	18 10 23 31.3–.10	13.55S–.02	172.33E–.02	33	5.6s,5.3b		**¶604029694**
MOS	VIII	18 10 23 31.3–.92	13.51S	172.34E	34	5.4b,5.4s		
NEIC	VIII	18 10 23 32.2–1.3	13.50S	172.38E	31–9	5.7s,5.3b		
GCMT	VIII	18 10 23 34.2–.20	13.46S–.01	172.39E–.01	12–0	5.7W,5.3b		
IDC	VIII	18 10 23 35.4–3.4	13.54S	172.31E	60–29	5.1,5.1s		
BJI	VIII	18 10 23 36.5	13.45S	172.16E	67	5.8b,5.5s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=143.0.
MOS Error ellipse: s-maj=7.8km s-min=7.4km az=99.6.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=135.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c123; s122,c292;Duration: 1s7
Moment tensor: Scale 10^{17}Nm; M_{rr}-4.07±.10 $M_{\theta\theta}$4.42±.07; $M_{\phi\phi}$-0.35±.06; $M_{r\theta}$0.28±.17; $M_{\theta\phi}$0.55±.05; $M_{\phi r}$-1.00±.22; Best double couple: NP1:ϕ_s278.00000°,δ48.00000°,λ-70.00000°. NP2:ϕ_s69.00000°,δ46.00000°,λ-111.00000°. Principal axes: T 4.4850,Plg1.0000° ,Azm354.0000°; N -0.1490,Plg15.0000°,Azm84.0000°; P -4.3400,Plg75.0000° ,Azm260.0000° $M_0$4.41300×10^{17}
IDC Error ellipse: s-maj=13.1km s-min=10.7km az=65.0.

(268) Sulawesi

ISC	**VIII**	**18 15 19 09.6–.45**	**1.14S–.05**	**120.04E–.05**	**10**	**4.2b**	**72**	**0-88**
IDC	VIII	18 15 19 06.2–.65	1.21S	120.26E	0	4.1,4.1		**¶601565612**
ISCJB	VIII	18 15 19 07.6–.29	1.21S–.03	120.00E–.04	10	4.2b,4.1		
BJI	VIII	18 15 19 07.4	1.40S	120.20E	18	4.7b,4.5b		
NEIC	VIII	18 15 19 08.5–.51	1.15S	120.28E	10	4.7b,4.5b		
DJA	VIII	18 15 19 10.6–.20	1S–2.0	120E–2.0	10	5.5b,5.0		

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

(267) Halmahera

ISC	**VIII**	**18 15 31 44.6–.34**	**2.61N–.03**	**128.73E–.03**	**43–2**	**5.5s,5.4b**	**978**	**2-171**
IDC	VIII	18 15 31 38.1–.28	2.65N	128.55E	0	5.2,5.2		**¶601565613**
NEIC	VIII	18 15 31 40.1–.13	2.65N	128.70E	10	5.8W,5.8W		
ISCJB	VIII	18 15 31 42.6–.32	2.62N–.01	128.73E–.02	41–2	5.4s,5.3b		
MOS	VIII	18 15 31 42.0–1.1	2.65N	128.68E	38	5.7b,5.3s		
BJI	VIII	18 15 31 43.9	2.60N	128.70E	57	5.7b,5.7s		
NEIC	VIII	18 15 31 44.0–.00	2.60N	128.69E	25	5.7b,5.7s		
GCMT	VIII	18 15 31 45.1–.10	2.75N–.01	128.73E–.01	13–0	5.8W,5.7s		
DJA	VIII	18 15 31 45.2–.20	3N–2.0	129E–1.0	50–2	6.2b,5.9		
KLM	VIII	18 15 31 52.0	3.01N	128.73E	117	5.9b,5.9		

ISC Event type fe.
IDC Error ellipse: s-maj=9.4km s-min=6.5km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=70.0. Felt [IV] at Tobelo. Also felt on Pulau Ternate. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.78 $M_{\theta\theta}$3.29 $M_{\phi\phi}$0.49 $M_{r\theta}$2.79 $M_{\theta\phi}$-2.10 $M_{\phi r}$-3.42 Best double couple: NP1:ϕ_s315.00000°,δ69.00000°,λ-76.00000°. NP2: ϕ_s100.00000°,δ25.00000°,λ-123.00000°. Principal axes: T 6.1600,Plg23.0000°,Azm34.0000° ; N -0.2300,Plg13.0000°,Azm130.0000°; P -5.9300,Plg63.0000°,Azm247.0000° $M_0$6.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s149.00000°,δ31.00000°,λ-73.00000°. NP2:ϕ_s310.00000°,δ60.00000°,λ-100.00000°. Principal axes: T Plg14.0000°,Azm47.0000°; N Plg0.0000°,Azm0.0000°; P Plg73.0000° ,Azm195.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=160.1.
MOS Error ellipse: s-maj=7.9km s-min=4.3km az=116.7.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.75 $M_{\theta\theta}$1.64 $M_{\phi\phi}$2.12 $M_{r\theta}$4.54 $M_{\theta\phi}$-1.90 $M_{\phi r}$-3.01 Best double couple: NP1:ϕ_s306.00000° ,δ73.00000°,λ-97.00000°. NP2:ϕ_s150.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 6.5600,Plg27.0000°,Azm42.0000°; N 0.1300,Plg6.0000°,Azm308.0000° ; P -6.6900,Plg61.0000°,Azm205.0000° $M_0$6.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c259; s140,c387;
Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.50±.05 $M_{\theta\theta}$2.95±.04; $M_{\phi\phi}$1.56±.04; $M_{r\theta}$3.94±.14; $M_{\theta\phi}$-2.74±.03; $M_{\phi r}$-2.81±.13; Best double couple: NP1:ϕ_s306.00000°,δ68.00000° ,λ-92.00000°. NP2:ϕ_s130.00000°,δ22.00000°,λ-86.00000°. Principal axes: T 7.0980,Plg23.0000°,Azm37.0000°; N -0.5670,Plg1.0000°,Azm307.0000° ; P -6.5220,Plg67.0000°,Azm213.0000° $M_0$6.81000×10^{17}

(268) Sulawesi

ISC	**VIII**	**18 16 35 00.7–.91**	**1.21S–.05**	**120.03E–.04**	**28**	**3.0b**	**19**	**0-58**
IDC	VIII	18 16 34 56.8–2.0	0.27N	122.76E	0	3.4,3.2		**¶602028506**
ISCJB	VIII	18 16 34 60.0–.48	1.25S–.04	119.99E–.04	28	3.1b,3.2		
DJA	VIII	18 16 34 59.1–.20	1S–2.0	120E–2.0	10	5.6b,5.1		

ISC Event type ke.
ISCJB Event type ke.

(169) Samoa Islands region

ISC	**VIII**	**18 17 45 03.6–.48**	**15.73S–.04**	**172.90W–.04**	**26–3**	**5.4s,5.3b**	**1150**	**2-174**

ISCJB	VIII	18 17 45 00.0–.10	15.60S–.03	173.05W–.02	10	5.3s,5.3b		¶601565861
IDC	VIII	18 17 45 00.6–.33	15.62S	173.04W	0	5.3s,5.3		
BJI	VIII	18 17 45 01.7	15.28S	172.85W	13	5.9b,5.4s		
NEIC	VIII	18 17 45 02.0–.00	15.68S	172.58W	13	5.9b,5.4s		
NEIC	VIII	18 17 45 02.3–.08	15.60S	173.04W	15	5.7W,5.7W		
MOS	VIII	18 17 45 04.8–1.3	15.41S	173.05W	33	5.4b,5.4s		
GCMT	VIII	18 17 45 09.3–.10	15.57S–.01	172.60W	20–0	5.7W,5.4s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}3.21 $M_{\theta\theta}$0.98 $M_{\phi\phi}$-4.19 $M_{r\theta}$1.74 $M_{\theta\phi}$-0.12 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s27.00000° ,δ57.00000°,λ123.00000°. NP2:ϕ_s156.00000°,δ45.00000°,λ49.00000°. Principal axes: T 4.2100,Plg61.0000°,Azm351.0000°; N 0.0800,Plg27.0000°,Azm187.0000° ; P -4.2900,Plg6.0000°,Azm93.0000° $M_0$4.20000×10^{17}

NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17} Nm; M_{rr}3.37 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$-2.56 $M_{r\theta}$0.89 $M_{\theta\phi}$-1.03 $M_{\phi r}$2.11 Best double couple: NP1: ϕ_s206.00000°,δ27.00000°,λ92.00000°. NP2:ϕ_s24.00000°,δ63.00000°,λ89.00000°. Principal axes: T 4.1000,Plg72.0000°,Azm292.0000°; N -0.3300,Plg1.0000°,Azm24.0000° ; P -3.7800,Plg18.0000°,Azm114.0000° $M_0$4.00000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c246; s137,c368; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.02±.05 $M_{\theta\theta}$0.34±.04; $M_{\phi\phi}$-4.36±.04; $M_{r\theta}$0.38±.09; $M_{\theta\phi}$0.60±.03; $M_{\phi r}$2.29±.09; Best double couple: NP1:ϕ_s1.00000°,δ59.00000° ,λ99.00000°. NP2:ϕ_s164.00000°,δ32.00000°,λ75.00000°. Principal axes: T 4.6670,Plg74.0000°,Azm295.0000°; N 0.3210,Plg8.0000°,Azm177.0000° ; P -4.9900,Plg14.0000°,Azm85.0000° $M_0$4.82800×10^{17}

(26) Off coast of Washington

ISC	**VIII**	**19 08 07 33.8–.65**	**47.66N–.03**	**128.73W–.03**	**5–3**	**5.3s,5.1b**	**1485 0-152**	
ISCJB	VIII	19 08 07 32.9–.39	47.74N–.01	128.66W–.02	4–2	5.3s,5.0b		¶601565888
PGC	VIII	19 08 07 32.1–4.5	47.55N	128.78W	5	5.2W,4.5L		
IDC	VIII	19 08 07 32.6–.50	47.70N	128.81W	0	5.1,5.1s		
BJI	VIII	19 08 07 33.5	47.74N	128.95W	8	5.5s,5.2		
MOS	VIII	19 08 07 33.3–.97	47.76N	128.66W	8	5.3s,5.1b		
NEIC	VIII	19 08 07 35.8–.11	47.79N	128.62W	10	5.6W,5.5W		
GCMT	VIII	19 08 07 35.8–.10	47.42N–.01	129.08W–.01	15	5.7W,5.5W		
NEIC	VIII	19 08 07 36.0–.00	47.57N	128.92W	11	5.7W,5.5W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=42.3.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 277km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=16.1km s-min=8.3km az=44.0.
MOS Error ellipse: s-maj=6.3km s-min=3.6km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.1km az=46.0. Felt at Auburn, Blaine, Enumclaw, Federal Way, Graham, Oak Harbor, Vancouver and Walla Walla. Also felt at Portland, Oregon and at Victoria, British Columbia. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}0.27 $M_{\theta\theta}$-2.32 $M_{\phi\phi}$2.05 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s306.00000°,δ90.00000°,λ164.00000°. NP2:ϕ_s36.00000° ,δ74.00000°,λ0.00000°. Principal axes: T 2.2400,Plg11.0000°,Azm260.0000° ; N 0.3100,Plg74.0000°,Azm126.0000°; P -2.5500,Plg11.0000°,Azm352.0000° $M_0$2.40000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c188; s136,c348; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.04 $M_{\theta\theta}$-3.45±.04; $M_{\phi\phi}$3.58±.04; $M_{r\theta}$-1.18±.14; $M_{\theta\phi}$-0.14±.04; $M_{\phi r}$-0.54±.12; Best double couple: NP1:ϕ_s43.00000°,δ83.00000° ,λ-19.00000°. NP2:ϕ_s135.00000°,δ71.00000°,λ-173.00000°. Principal axes: T 3.6560,Plg8.0000°,Azm90.0000°; N 0.1820,Plg70.0000°,Azm204.0000° ; P -3.8380,Plg18.0000°,Azm358.0000° $M_0$3.74700×10^{17}

NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$-2.64 $M_{\phi\phi}$2.96 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.61 Best double couple: NP1:ϕ_s133.00000° ,δ90.00000°,λ-145.00000°. NP2:ϕ_s43.00000°,δ56.00000°,λ0.00000°. Principal axes: T 3.7100,Plg23.0000°,Azm262.0000°; N -0.5900,Plg55.0000°,Azm133.0000° ; P -3.1200,Plg23.0000°,Azm3.0000° $M_0$3.50000×10^{17}

(281) Tanimbar Islands region

ISC	**VIII**	**20 07 56 55.0–.40**	**7.21S–.04**	**131.34E–.05**	**36**	**4.3b,3.5s**	**77 1-150**	
IDC	VIII	20 07 56 50.3–.57	7.07S	131.03E	0	4.6L,4.5		¶601566550
ISCJB	VIII	20 07 56 52.7–.29	7.17S–.03	131.38E–.04	36	4.4b,3.5s		
NEIC	VIII	20 07 56 57.8–.60	6.90S	131.17E	52–6	4.2b,3.5s		
DJA	VIII	20 07 56 57.9–.70	7S–5.0	132E–12	106–16	5.7b,5.3		

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

(705) Off west coast of northern Sumatera

ISC	**VIII**	**20 11 18 30.0–.32**	**3.31N–.04**	**92.89E–.04**	**35**	**4.7b,4.1s**	**307 4-157**	
BJI	VIII	20 11 18 24.4	3.00N	92.73E	22	4.8b,4.8b		¶601566719
IDC	VIII	20 11 18 24.7–.41	3.33N	92.89E	0	4.7L,4.4		
DJA	VIII	20 11 18 26.8–.30	3N–3.0	93E–3.0	10	6.0,5.7b		
ISCJB	VIII	20 11 18 27.9–.19	3.28N–.03	92.92E–.02	33	4.7b,4.1s		
MOS	VIII	20 11 18 28.5–.98	3.40N	92.93E	36	5.0b,4.1s		
NEIC	VIII	20 11 18 28.4–.17	3.32N	92.89E	23	5.0b,4.1s		
GCMT	VIII	20 11 18 29.4–.50	3.42N–.02	92.97E–.03	36–2	4.9W,4.1s		

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

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c33; s60,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.19 $M_{\theta\theta}$-1.12±.12; $M_{\phi\phi}$0.94±.14; $M_{r\theta}$-1.42±.15; $M_{\theta\phi}$-2.24±.10; $M_{\phi r}$-0.23±.16; Best double couple: NP1:ϕ_s102.00000°,δ86.00000° ,λ-152.00000°. NP2:ϕ_s10.00000°,δ63.00000°,λ-5.00000°. Principal axes: T 2.5420,Plg16.0000°,Azm233.0000°; N 0.5560,Plg62.0000°,Azm111.0000° ; P -3.0940,Plg22.0000°,Azm330.0000° $M_0$2.81800×10^{16}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 11 42 45.7–.47**	**35.88N–.03**	**140.47E–.03**	**54–3**	**5.1b,4.2s**	**1321 0-158**	
NIED	VIII	20 11 42 00	36.00N	140.50E	53	5.1W,4.2s		¶601605992
BJI	VIII	20 11 42 39.7	35.78N	140.71E	42	5.2b,5.1b		
ISCJB	VIII	20 11 42 46.4–.20	35.86N–.02	140.30E–.02	67–1	5.0b,5.1b		
JMA	VIII	20 11 42 46.1–.10	35.92N	140.44E	57–1	5.2,5.1b		
MOS	VIII	20 11 42 47.8–.88	36.21N	140.24E	68	5.6b,5.1b		
IDC	VIII	20 11 42 47.6–.99	35.82N	140.42E	70–8	5.2,5.0		
NEIC	VIII	20 11 42 48.6–.34	35.82N	140.22E	75–3	4.9b,5.0		
GCMT	VIII	20 11 42 48.6–.20	35.87N–.01	140.52E–.02	53–1	5.1W,5.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ22.00000°,λ100.00000°. NP2:ϕ_s9.00000°,δ69.00000°,λ86.00000°. $M_0$4.50000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s12.00000°,δ83.00000°,λ90.00000°. NP2:ϕ_s192.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm282.0000°; N Plg0.0000°,Azm12.0000°; P Plg38.0000° ,Azm102.0000°
NEIC Event type fe. Felt [III] at Chiba, Saitama, Tokyo, Tsuchiura, Yokohama, Yokosuka and Zama. Felt widely in east-central Honshu. Recorded [3 JMA] in Gumma, Ibaraki and Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c96; s103,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.99±.17 $M_{\theta\theta}$-0.51±.12; $M_{\phi\phi}$-4.48±.11; $M_{r\theta}$0.56±.10; $M_{\theta\phi}$-1.14±.08; $M_{\phi r}$3.16±.09; Best double couple: NP1:ϕ_s12.00000°,δ62.00000°,λ88.00000°. NP2:ϕ_s197.00000°,δ28.00000°,λ94.00000°. Principal axes: T 5.9540,Plg73.0000° ,Azm276.0000°; N -0.2110,Plg2.0000°,Azm13.0000°; P -5.7380,Plg17.0000°,Azm104.0000° $M_0$5.84600×10^{16}

(425) South Indian Ocean

ISC	**VIII**	**21 17 39 39.0–.45**	**0.11S–.03**	**91.98E–.03**	**19–1**	**5.3s,5.3b**	**983 5-154**	
BJI	VIII	21 17 39 31.9	0.65S	91.74E	10	5.7s,5.5		¶601606013
ISCJB	VIII	21 17 39 35.4–.60	0.11S–.02	92.04E–.02	5–3	5.3s,5.3b		
IDC	VIII	21 17 39 36.2–.31	0.12S	92.05E	0	5.2,5.2		
GCMT	VIII	21 17 39 38.0–.10	0.19S–.01	92.06E–.01	12	5.6W,5.2		
KLM	VIII	21 17 39 38.0	0.18S	92.08E	6	5.8b,5.2		
NEIC	VIII	21 17 39 38.0–2.0	0.17S	92.06E	15–12	5.6W,5.5s		
MOS	VIII	21 17 39 39.7–1.1	0.05S	92.07E	33	5.5b,5.2s		
DJA	VIII	21 17 39 40.4–.70	0N–2.0	92E–2.0	20–5	5.7b,5.6		

ISC Event type se.
ISCJB Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c165; s131,c342; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$0.91±.03; $M_{r\theta}$-0.39±.07; $M_{\theta\phi}$-2.59±.02; $M_{\phi r}$-1.53±.07; Best double couple: NP1:ϕ_s7.00000°,δ86.00000° ,λ-30.00000°. NP2:ϕ_s100.00000°,δ60.00000°,λ-175.00000°. Principal axes: T 3.1470,Plg18.0000°,Azm58.0000°; N -0.0050,Plg59.0000°,Azm180.0000° ; P -3.1420,Plg24.0000°,Azm319.0000° $M_0$3.14500×10^{17}

NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$0.78 $M_{r\theta}$0.75 $M_{\theta\phi}$-2.54 $M_{\phi r}$-0.47 Best double couple: NP1:ϕ_s98.00000° ,δ83.00000°,λ163.00000°. NP2:ϕ_s190.00000°,δ73.00000°,λ7.00000°. Principal axes: T 2.8700,Plg17.0000°,Azm53.0000°; N -0.1000,Plg72.0000°,Azm257.0000° ; P -2.7600,Plg7.0000°,Azm145.0000° $M_0$2.80000×10^{17}

(274) Southern Sumatera

ISC	**VIII**	**21 20 51 56.9–.76**	**1.36S–.05**	**99.74E–.05**	**57–7**	**4.0b**	**34 1-144**	
DJA	VIII	21 20 51 55.7–.70	1S–2.0	100E–2.0	10–5	5.9b,5.5		¶601766272
ISCJB	VIII	21 20 51 56.8–.53	1.37S–.05	99.73E–.05	75–6	3.8b,5.5		
IDC	VIII	21 20 51 58.5–2.1	0.81S	100.56E	53–6	3.7,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.2km az=144.3.
IDC Error ellipse: s-maj=110.1km s-min=16.2km az=54.0.

(173) Tonga Islands

ISC	**VIII**	**22 10 13 55.9–.25**	**19.93S–.05**	**173.57W–.05**	**25**	**5.2b,4.6s**	**897 4-177**	
IDC	VIII	22 10 13 51.9–.32	20.09S	173.63W	0	5.1,5.1		¶604029719
ISCJB	VIII	22 10 13 54.2–.11	20.08S–.03	173.65W–.03	25	5.2b,4.5s		
BJI	VIII	22 10 13 55.4	19.55S	173.37W	22	5.6b,5.4b		
MOS	VIII	22 10 13 56.1–1.1	19.96S	173.73W	33	5.2b,4.6s		
GCMT	VIII	22 10 13 57.5–.20	20.18S–.02	173.08W–.01	18–0	5.1W,4.6s		
NEIC	VIII	22 10 13 57.5–.09	20.04S	173.66W	35	5.1b,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=10.4km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.6km az=152.4.
MOS Error ellipse: s-maj=9.3km s-min=7.5km az=54.3.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c72; s96,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.99±.17 $M_{\theta\theta}$-0.79±.10; $M_{\phi\phi}$-4.20±.11; $M_{r\theta}$1.10±.26; $M_{\theta\phi}$-1.24±.07; $M_{\phi r}$1.48±.22; Best double couple: NP1:ϕ_s24.00000°,δ55.00000°,λ97.00000°. NP2:ϕ_s193.00000°,δ35.00000°,λ81.00000°. Principal axes: T 5.3570,Plg79.0000° ,Azm318.0000°; N -0.4390,Plg5.0000°,Azm200.0000°; P -4.9140,Plg10.0000° ,Azm109.0000° $M_0$5.13500×10^{16}

NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.5km az=147.0.

(282) South of Jawa

ISC	**VIII**	**22 18 38 54.4–.77**	**9.79S–.08**	**106.82E–.08**	**35**	**4.1b**	**58 2-145**	
IDC	VIII	22 18 38 49.3–1.2	9.76S	106.78E	0	4.7L,4.1		¶601614661
NEIC	VIII	22 18 38 50.5–.72	9.84S	106.73E	10	4.2b,4.1		
ISCJB	VIII	22 18 38 52.0–.46	9.82S–.04	106.80E–.04	33	4.0b,3.2s		
DJA	VIII	22 18 38 55.2–.60	10S–6.0	107E–3.0	58–44	5.5b,5.0		

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

(221) Kuril Islands

ISC	**VIII**	**23 11 04 48.1–.47**	**43.57N–.04**	**147.10E–.04**	**56–3**	**4.4b,3.5s**	**384 0-152**	
NIED	VIII	23 11 04 00	43.40N	147.00E	56	4.3W,3.5s		¶601614683
ISCJB	VIII	23 11 04 47.5–.39	43.53N–.03	147.09E–.03	64–3	4.5b,3.5s		
BJI	VIII	23 11 04 47.7	43.57N	147.00E	59	5.0b,4.6b		
MOS	VIII	23 11 04 47.2–.82	43.56N	147.14E	62	4.9b,4.6b		
SKHL	VIII	23 11 04 48.9–.10	43.57N	147.11E	68–1	5.6b,3.9s		
IDC	VIII	23 11 04 48.2–.73	43.55N	147.14E	57–6	4.4,4.3		
JMA	VIII	23 11 04 48.1–.20	43.38N	147.05E	51–4	4.2,4.3		
NEIC	VIII	23 11 04 48.9–.40	43.56N	147.10E	61–3	4.4b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ42.00000°,λ38.00000°. NP2:ϕ_s59.00000°,δ65.00000°,λ126.00000°. $M_0$3.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.2km az=155.0.
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=5.1km az=111.8. Felt (III-IV) at Malokuril'skoye; (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt(II-III)at Yushno-Kurilsk;(III-IV) at Malokurilskoe.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=162.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.6km az=164.0. Recorded [2 JMA] in eastern Hokkaido.

(171) South of Fiji Islands

ISC	**VIII**	**24 04 43 50.7–.47**	**27.30S–.04**	**176.69W–.04**	**30–3**	**5.5b,5.2s**	**1128 2-175**	
ISCJB	VIII	24 04 43 46.2–1.6	27.18S–.03	176.82W–.03	7–9	5.5b,5.2s		¶601615617
BJI	VIII	24 04 43 46.9	26.62S	176.17W	15	5.9b,5.7b		
NEIC	VIII	24 04 43 48.4–.09	27.31S	176.81W	16	5.7W,5.7W		
NEIC	VIII	24 04 43 49.0–.00	26.68S	176.39W	15	5.7W,5.7W		
MOS	VIII	24 04 43 51.1–.91	27.03S	176.82W	38	5.5b,5.2s		
IDC	VIII	24 04 43 54.2–1.5	27.11S	176.74W	58–12	5.2,5.1		
GCMT	VIII	24 04 43 54.3–.10	27.10S–.01	176.34W–.01	32–0	5.7W,5.1		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$1.44 $M_{r\theta}$0.50 $M_{\theta\phi}$-2.22 $M_{\phi r}$1.22 Best double couple: NP1:ϕ_s287.00000° ,δ55.00000°,λ153.00000°. NP2:ϕ_s34.00000°,δ68.00000°,λ38.00000°. Principal axes: T 3.1800,Plg42.0000°,Azm255.0000°; N 1.2600,Plg47.0000°,Azm59.0000° ; P -4.4400,Plg8.0000°,Azm158.0000° $M_0$4.00000×10^{17}

NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}3.27 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-3.41 $M_{r\theta}$1.02 $M_{\theta\phi}$-0.87 $M_{\phi r}$2.39 Best double couple: NP1:ϕ_s20.00000° ,δ64.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ27.00000°,λ78.00000°. Principal axes: T 4.1700,Plg70.0000°,Azm303.0000°; N 0.2900,Plg5.0000°,Azm196.0000° ; P -4.4600,Plg18.0000°,Azm104.0000° $M_0$4.30000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c238; s131,c306; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.97±.04 $M_{\theta\theta}$-0.00±.03; $M_{\phi\phi}$-2.96±.03; $M_{r\theta}$0.59±.05; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$2.18±.05; Best double couple: NP1:ϕ_s14.00000°,δ63.00000° ,λ92.00000°. NP2:ϕ_s189.00000°,δ27.00000°,λ86.00000°. Principal axes: T 3.7220,Plg72.0000°,Azm288.0000°; N 0.1140,Plg2.0000°,Azm193.0000° ; P -3.8300,Plg18.0000°,Azm102.0000° $M_0$3.77600×10^{17}

(179) South of Kermadec Islands

ISC	**VIII**	**24 10 01 55.0–.46**	**33.26S–.04**	**179.21W–.04**	**48–3**	**5.5b,5.1s**	**1174 4-175**	
BJI	VIII	24 10 01 51.9	33.30S	179.40W	34	5.8b,5.4b		¶601615825
ISCJB	VIII	24 10 01 52.6–.11	33.37S–.03	179.49W–.03	33	5.4b,5.1s		
NEIC	VIII	24 10 01 53.9–.62	33.44S	179.53W	38–5	5.8W,5.6W		
MOS	VIII	24 10 01 53.1–.87	33.20S	179.47W	36	5.7b,5.1s		
NEIC	VIII	24 10 01 55.0–.00	33.05S	179.19W	45	5.7b,5.1s		
IDC	VIII	24 10 01 55.8–1.2	33.17S	179.34W	53–9	5.3,5.1		
GCMT	VIII	24 10 01 56.9–.10	33.32S–.01	179.17W–.01	54–0	5.6W,5.1		

ISC Event type se.
ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}5.28 $M_{\theta\theta}$-3.58 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.03 $M_{\theta\phi}$3.27 $M_{\phi r}$0.32 Best double couple: NP1:ϕ_s124.00000° ,δ44.00000°,λ86.00000°. NP2:ϕ_s310.00000°,δ46.00000°,λ94.00000°. Principal axes: T 5.2900,Plg87.0000°,Azm287.0000°; N 0.7500,Plg3.0000°,Azm127.0000° ; P -6.0400,Plg1.0000°,Azm37.0000° $M_0$5.70000×10^{17}

NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}3.02 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.94 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.98 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s11.00000° ,δ60.00000°,λ83.00000°. NP2:ϕ_s204.00000°,δ30.00000°,λ101.00000°. Principal axes: T 3.5400,Plg73.0000°,Azm264.0000°; N 0.1900,Plg5.0000°,Azm14.0000° ; P -3.7400,Plg15.0000°,Azm105.0000° $M_0$3.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c237; s129,c301; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.93±.04 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$-2.70±.03; $M_{r\theta}$0.16±.03; $M_{\theta\phi}$-0.99±.03; $M_{\phi r}$1.28±.03; Best double couple: NP1:ϕ_s14.00000°,δ57.00000° ,λ84.00000°. NP2:ϕ_s205.00000°,δ34.00000°,λ99.00000°. Principal axes: T 3.2080,Plg78.0000°,Azm265.0000°; N 0.0970,Plg5.0000°,Azm18.0000° ; P -3.3050,Plg11.0000°,Azm108.0000° $M_0$3.25700×10^{17}

(224) Hokkaido region

ISC	**VIII**	**25 14 16 16.8–.26**	**42.33N–.02**	**143.10E–.02**	**52–1**	**5.8b,5.4s**	**2458 0-160**	
NIED	VIII	25 14 16 00	42.30N	143.10E	56	5.9W,5.4s		¶601626197
BJI	VIII	25 14 16 13.2	42.28N	143.11E	48	5.6b,5.6b		
IDC	VIII	25 14 16 15.1–1.1	42.39N	143.06E	37–8	5.8L,5.6		

MOS	VIII	25 14 16 15.7–.86	42.34N	142.99E	61	6.0b,5.6s	
ISCJB	VIII	25 14 16 15.8–.17	42.30N–.01	143.02E–.01	60–1	5.7b,5.6s	
NEIC	VIII	25 14 16 17.1–.38	42.42N	142.91E	54–3	5.9W,5.9b	
JMA	VIII	25 14 16 17.4–.10	42.33N	143.11E	49–1	6.1,5.9b	
GCMT	VIII	25 14 16 21.1–.10	42.39N–.01	142.86E–.01	50–0	5.9W,5.9b	

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ11.00000°,λ61.00000°. NP2:ϕ_s290.00000°,δ80.00000°,λ96.00000°. M_o7.31000×10^{17}

MOS Event type fe. Felt (III) at Malokuril'skoye, Yuzhno-Kuril'sk. Moment Tensor Solution.

ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Obihiro, [IV] at Sapporo and [III] at Iwamizawa. Also felt [III] at Misawa, Honshu. Felt throughout southern Hokkaido and northern Honshu. Recorded [5L JMA] in south-central Hokkaido and [4 JMA] in Aomori, Honshu. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}7.01 $M_{\theta\theta}$-5.70 $M_{\phi\phi}$-1.31 $M_{r\theta}$-6.60 $M_{\theta\phi}$1.28 $M_{\phi r}$2.54 Best double couple: NP1:ϕ_s102.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s289.00000°,δ69.00000°,λ93.00000°. Principal axes: T 10.1000,Plg66.0000°,Azm204.0000°; N -1.0000,Plg2.0000°,Azm108.0000° ; P -9.1000,Plg24.0000°,Azm17.0000° M_o9.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s55.00000°,δ25.00000°,λ38.00000°. NP2: ϕ_s290.00000°,δ75.00000°,λ110.00000°. Principal axes: T Plg56.0000°,Azm225.0000° ; N Plg0.0000°,Azm0.0000°; P Plg27.0000°,Azm4.0000°

JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000° ,δ68.00000°,λ76.00000°. NP2:ϕ_s246.00000°,δ26.00000°,λ121.00000°. Principal axes: T Plg64.0000°,Azm280.0000°; N Plg13.0000°,Azm38.0000°; P Plg22.0000°,Azm133.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c303; s142,c400; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.85±.06 $M_{\theta\theta}$-3.85±.05; $M_{\phi\phi}$-0.99±.05; $M_{r\theta}$-6.30±.08; $M_{\theta\phi}$-0.46±.04; $M_{\phi r}$2.79±.06; Best double couple: NP1:ϕ_s288.00000°,δ74.00000° ,λ100.00000°. NP2:ϕ_s75.00000°,δ18.00000°,λ59.00000°. Principal axes: T 8.8880,Plg59.0000°,Azm211.0000°; N -1.5910,Plg9.0000°,Azm105.0000° ; P -7.2930,Plg29.0000°,Azm10.0000° M_o8.09000×10^{17}

(691) Pacific-Antarctic Ridge

ISC	**VIII**	**26 11 22 22.5–.32**	**65.42S–.06**	**179.68W–.08**	**10**	**5.3b,5.1s**	**164**	**13-171**
ISCJB	VIII	26 11 22 20.5–.28	65.49S–.04	180.0W–.20	10	5.1b,5.1s		**¶601626461**
IDC	VIII	26 11 22 20.4–.45	65.38S	179.70W	0	5.0,5.0s		
MOS	VIII	26 11 22 21.6–1.9	65.59S	179.98E	10	5.4b,5.2s		
BJI	VIII	26 11 22 21.5	65.50S	179.80W	10	5.7b,5.3s		
NEIC	VIII	26 11 22 22.1–.26	65.48S	179.78W	10	5.6W,5.4b		
GCMT	VIII	26 11 22 25.1–.10	65.30S–.01	179.83W–.02	12–0	5.6W,5.4b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.34 $M_{\theta\theta}$2.90 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s49.00000° ,δ80.00000°,λ180.00000°. NP2:ϕ_s139.00000°,δ90.00000°,λ10.00000°. Principal axes: T 2.9900,Plg7.0000°,Azm5.0000°; N -0.3600,Plg80.0000°,Azm140.0000° ; P -2.6400,Plg7.0000°,Azm274.0000° M_o2.80000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c176; s133,c318; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42±.03 $M_{\theta\theta}$3.14±.04; $M_{\phi\phi}$-2.72±.03; $M_{r\theta}$-1.60±.13; $M_{\theta\phi}$-0.52±.03; $M_{\phi r}$0.36±.08; Best double couple: NP1:ϕ_s321.00000°,δ80.00000° ,λ20.00000°. NP2:ϕ_s228.00000°,δ71.00000°,λ169.00000°. Principal axes: T 3.8100,Plg21.0000°,Azm186.0000°; N -1.0240,Plg68.0000°,Azm347.0000° ; P -2.7900,Plg6.0000°,Azm93.0000° M_o3.30000×10^{17}

(43) Southern California

ISC	**VIII**	**26 19 31 22.4–.40**	**33.05N–.02**	**115.54W–.01**	**2–2**	**5.1s,4.7b**	**734**	**0-146**
BJI	VIII	26 19 31 20.9	33.00N	115.50W	12	5.5s,5.3b		**¶601626669**
ISCJB	VIII	26 19 31 21.7–.34	33.00N–.01	115.49W–.01	10–2	5.1s,4.6b		
NEIC	VIII	26 19 31 22.9–.00	33.02N	115.55W	12	5.4W,5.3W		
MEX	VIII	26 19 31 22.5–.65	33.27N	115.50W	17–156	5.5,5.3W		
NEIC	VIII	26 19 31 23.0–.00	33.12N	115.68W	11	5.5,5.3W		
MOS	VIII	26 19 31 23.7–1.3	33.06N	115.39W	12	5.2s,5.1b		
ECX	VIII	26 19 31 23.1–.61	33.08N	115.57W	8	5.3L,5.1		
IDC	VIII	26 19 31 23.7–.49	33.13N	115.31W	0	4.9,4.9		
GCMT	VIII	26 19 31 24.9–.20	32.92N–.01	115.59W–.01	12	5.4W,4.9		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Heber, Holtville and Imperial; [IV] at Boulevard, Brawley, Calexico, Chula Vista, El Centro, San Ysidro and Thermal. Felt throughout southern California and southwestern Arizona. Felt [IV] at Mexicali and [III] in the Ensenada-Tijuana area, Baja California. Also felt at San Luis Rio Colorado, Sonora. After PAS.

NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$1.36 $M_{r\theta}$0.98 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.28 Best double couple: NP1:ϕ_s334.00000° ,δ66.00000°,λ-148.00000°. NP2:ϕ_s230.00000°,δ62.00000°,λ-27.00000°. Principal axes: T 1.4700,Plg2.0000°,Azm101.0000°; N 0.3100,Plg51.0000°,Azm8.0000° ; P -1.7800,Plg38.0000°,Azm193.0000° M_o1.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c91; s130,c261;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42±.03 $M_{\theta\theta}$-1.16±.03; $M_{\phi\phi}$1.58±.02; $M_{r\theta}$-0.17±.08; $M_{\theta\phi}$0.55±.03; $M_{\phi r}$-0.54±.07; Best double couple: NP1:ϕ_s236.00000°,δ84.00000°,λ13.00000°. NP2:ϕ_s145.00000°,δ77.00000°,λ173.00000°. Principal axes: T 1.8260,Plg14.0000° ,Azm101.0000°; N -0.5550,Plg75.0000°,Azm262.0000°; P -1.2700,Plg5.0000°,Azm10.0000° M_o1.54800×10^{17}

(43) Southern California

ISC	**VIII**	**26 20 57 57.9–.69**	**33.03N–.02**	**115.55W–.02**	**2–4**	**5.3s,4.7b**	**917**	**0-159**
ISCJB	VIII	26 20 57 56.9–.31	32.99N–.01	115.51W–.01	9–2	5.2s,4.6b		**¶601626691**
BJI	VIII	26 20 57 56.2	33.00N	115.50W	9	5.6s,5.5b		
ECX	VIII	26 20 57 58.9–.61	33.05N	115.59W	8	5.4L,5.2		
NEIC	VIII	26 20 57 58.2–.00	33.02N	115.55W	9	5.5W,5.4W		
NEIC	VIII	26 20 57 58.0–.00	32.32N	115.79W	11	5.5W,5.4W		
IDC	VIII	26 20 57 58.3–.51	33.12N	115.33W	0	5.1,5.1		
MOS	VIII	26 20 57 59.9–.99	33.19N	115.53W	17	5.3s,5.2b		
MEX	VIII	26 20 57 59.7–.70	33.09N	115.47W	17–999	5.6,5.2b		
GCMT	VIII	26 20 58 01.2–.10	32.95N–.01	115.56W–.01	12	5.5W,5.2b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Holtville and [IV] at Borrego Springs, Brawley, Calexico, El Centro, Imperial, Niland and San Diego. Felt [IV] at Mexicali and Rosarito and [III] in the Ensenada-Tijuana area, Baja California. Felt throughout southern California and southwestern Arizona. Also felt at Puerto Penasco and San Luis Rio Colorado, Sonora. After PAS.

NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$2.15 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.69 $M_{\phi r}$-0.69 Best double couple: NP1:ϕ_s48.00000° ,δ74.00000°,λ-45.00000°. NP2:ϕ_s154.00000°,δ47.00000°,λ-158.00000°. Principal axes: T 2.5800,Plg16.0000°,Azm106.0000°; N -0.0800,Plg42.0000°,Azm212.0000° ; P -2.5000,Plg42.0000°,Azm0.0000° M_o2.50000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c173; s138,c289;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.03 $M_{\theta\theta}$-1.62±.03; $M_{\phi\phi}$2.03±.02; $M_{r\theta}$-0.38±.07; $M_{\theta\phi}$0.96±.02; $M_{\phi r}$-0.38±.06; Best double couple: NP1:ϕ_s58.00000°,δ89.00000°,λ-14.00000°. NP2:ϕ_s149.00000°,δ76.00000°,λ-179.00000°. Principal axes: T 2.3440,Plg9.0000° ,Azm105.0000°; N -0.4330,Plg76.0000°,Azm235.0000°; P -1.9090,Plg11.0000° ,Azm13.0000° M_o2.12600×10^{17}

(76) Off coast of central America

ISC	**VIII**	**27 04 37 19.7–.42**	**12.13N–.03**	**88.66W–.03**	**16–2**	**7.1s,5.8b**	**1723**	**1-167**
ISCJB	VIII	27 04 37 15.3–.14	12.16N–.02	88.74W–.02	10	7.0s,5.7b		**¶601626911**
IDC	VIII	27 04 37 16.8–.38	12.37N	88.60W	0	6.3,6.3s		
MOS	VIII	27 04 37 17.4–2.5	12.34N	88.62W	10	7.1s,6.0b		
NEIC	VIII	27 04 37 19.4–.22	12.14N	88.59W	28	7.4W,7.3W		
UCR	VIII	27 04 37 20.4–2.2	12.23N	88.61W	28	6.7b,6.0b		
NEIC	VIII	27 04 37 23.0–.00	12.08N	88.53W	11	6.7b,6.0b		
BJI	VIII	27 04 37 24.6	12.24N	88.62W	34	7.4,7.4s		
GCMT	VIII	27 04 37 39.4–.10	12.02N	89.17W	12	7.3W,7.4s		
NEIC	VIII	27 04 37 50.2–.00	11.98N	88.80W	19	7.3W,7.4s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=136.2.

IDC Error ellipse: s-maj=10.2km s-min=6.4km az=38.0.

MOS Error ellipse: s-maj=7.6km s-min=4.5km az=91.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ84.00000°,λ101.00000°. NP2: ϕ_s230.00000°,δ12.00000°,λ31.00000°. Principal axes: T Plg50.0000°,Azm31.0000° ; N Plg11.0000°,Azm288.0000°; P Plg38.0000°,Azm190.0000°

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=215.0. Felt [II] at Antiguo Cuscatlan, Nueva San Salvador and San Salvador. Also felt at Apopa, Mejicanos, Santo Tomas and Usulutan. Felt at Tegucigalpa, Honduras and at Managua, Nicaragua. A small tsunami with maximum wave heights [one-half peak-to-trough] was recorded at the following selected tide stations: 11 cm at Acajutla, El Salvador; 35 cm on Isla Baltra, 22 cm on Isla Santa Cruz and 21 cm at La Libertad, Ecuador. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. M_o8.40000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ5.00000°,λ90.00000°. NP2:ϕ_s110.00000°,δ85.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm20.0000°; N Plg0.0000°,Azm0.0000°; P Plg40.0000° ,Azm200.0000°

UCR Error ellipse: s-maj=7.8km s-min=7.8km az=-1.0.

NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ78.00000° ,λ95.00000°. NP2:ϕ_s279.00000°,δ13.00000°,λ69.00000°. Principal axes: T 1.2300,Plg57.0000°,Azm36.0000°; N -0.0300,Plg4.0000°,Azm299.0000° ; P -1.2000,Plg32.0000°,Azm206.0000°

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c350; s147,c736; Duration: 11s3 Moment tensor: Scale 10^{20}Nm; M_{rr}0.62±.00 $M_{\theta\theta}$-0.53±.00; $M_{\phi\phi}$-0.09±.00; $M_{r\theta}$0.98±.02; $M_{\theta\phi}$0.18±.00; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s117.00000°,δ76.00000° ,λ93.00000°. NP2:ϕ_s284.00000°,δ15.00000°,λ77.00000°. Principal axes: T 1.2850,Plg59.0000°,Azm31.0000°; N -0.0370,Plg3.0000°,Azm296.0000° ; P -1.2490,Plg31.0000°,Azm204.0000° M_o1.26700×10^{20}

NEIC Event type se. Moment Tensor Solution. s90 Moment tensor: Scale 10^{20}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.47 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.80 Best double couple: NP1:ϕ_s289.00000° ,δ11.00000°,λ81.00000°. NP2:ϕ_s118.00000°,δ80.00000°,λ92.00000°. Principal axes: T 1.8400,Plg55.0000°,Azm30.0000°; N -0.1000,Plg2.0000°,Azm298.0000° ; P -1.7400,Plg35.0000°,Azm207.0000° M_o1.80000×10^{20}

(43) Southern California

ISC	**VIII**	**27 04 41 36.9–.90**	**33.06N–.02**	**115.59W–.02**	**10–6**	**4.5b**	**264**	**0-146**
ISCJB	VIII	27 04 41 35.8–.31	33.03N–.01	115.55W–.01	11–2	7.6s,4.5b		**¶601626912**
BJI	VIII	27 04 41 35.2	33.00N	115.50W	10	5.2b,4.9b		
ECX	VIII	27 04 41 37.2–.47	33.09N	115.58W	4	4.9L,4.7		
NEIC	VIII	27 04 41 37.0–.00	33.02N	115.52W	4	4.9W,4.5b		
MEX	VIII	27 04 41 37.2–.80	33.16N	115.43W	15	4.8,4.5b		
IDC	VIII	27 04 41 37.4–.66	33.26N	115.19W	0	4.6,4.6b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=158.7.

ECX Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.

NEIC Event type fe. Felt at Brawley, El Centro, Hemet, Imperial, San Diego, San Jacinto, Thermal and Winterhaven. Also felt at Tijuana, Baja California. After PAS.

MEX Error ellipse: s-maj=7.1km s-min=4.3km az=-1.0.

IDC Error ellipse: s-maj=23.7km s-min=11.3km az=51.0.

(76) Off coast of central America

ISC	**VIII**	**27 05 01 33.7–.59**	**12.28N–.08**	**88.67W–.08**	**35**	**4.5b**	**404**	**1-149**
IDC	VIII	27 05 01 28.6–.94	12.39N	88.59W	0	4.3,4.1		**¶601766535**
ISCJB	VIII	27 05 01 30.6–.41	12.20N–.04	88.76W–.04	35	7.6s,4.4b		
NEIC	VIII	27 05 01 33.5–.44	12.26N	88.63W	35	4.5b,4.4b		
UCR	VIII	27 05 01 34.3–1.6	11.60N	88.81W	20–999	4.3,4.2b		

ISC Event type se.

IDC Error ellipse: s-maj=32.1km s-min=16.1km az=43.0.

ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=2.9km az=41.6.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.8km az=215.0.

UCR Error ellipse: s-maj=661.9km s-min=999.9km az=-1.0.

(49) Gulf of California

ISC	**VIII**	**27 05 23 20.7–.73**	**30.69N–.04**	**114.02W–.03**	**14–4**	**5.2b**	**990**	**1-145**
IDC	VIII	27 05 23 18.5–.62	30.64N	113.71W	0	5.7,5.7s		**¶601626924**
MOS	VIII	27 05 23 18.5–1.1	30.61N	113.88W	10	5.4b,5.7s		
ECX	VIII	27 05 23 19.1–.60	30.66N	114.06W	10	5.4L,5.2		
ISCJB	VIII	27 05 23 19.0–.18	30.65N–.02	113.87W–.02	10	5.0b,5.2		
BJI	VIII	27 05 23 20.6	30.60N	113.90W	15	5.3b,5.2b		
MEX	VIII	27 05 23 20.0–.53	30.62N	113.97W	14–7	5.2,5.2b		
NEIC	VIII	27 05 23 20.3–.23	30.55N	113.89W	10	5.2,5.2b		

ISC Event type fe.

IDC Error ellipse: s-maj=15.9km s-min=8.9km az=38.0.

MOS Error ellipse: s-maj=6.4km s-min=3.9km az=95.6.

ECX Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.4km az=29.6.

MEX Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.2km az=212.0. Felt [III] at Puerto Penasco, Sonora.

(76) Off coast of central America

ISC	**VIII**	**27 05 38 05.7–.75**	**12.28N–.04**	**88.68W–.04**	**49–6**	**5.4s,5.3b**	**1260**	**1-163**
MOS	VIII	27 05 37 59.4–1.1	12.37N	88.57W	10	5.5b,5.3b		**¶601626926**
IDC	VIII	27 05 37 59.2–.40	12.46N	88.41W	0	5.4s,5.4		
UCR	VIII	27 05 38 02.9–2.8	12.17N	88.80W	27–16	5.5b,4.8L		
BJI	VIII	27 05 38 03.5	12.30N	88.60W	25	5.7,5.7s		
NEIC	VIII	27 05 38 04.4–.14	12.30N	88.61W	35	5.5b,5.7s		
ISCJB	VIII	27 05 38 05.1–.26	12.38N–.02	88.59W–.02	58–2	5.6s,5.3b		

ISC Event type fe.

NEIC Event type fe. Felt at Antiguo Cuscatlan, San Salvador and Tonacatepeque.

ISCJB Event type fe.

(76) Off coast of central America

ISC	**VIII**	**27 06 02 32.8–.93**	**12.4N–.10**	**88.71W–.08**	**35**	**4.2b**	**128**	**1-148**
IDC	VIII	27 06 02 28.5–1.7	12.56N	88.53W	0	4.1,3.8		**¶601643035**
ISCJB	VIII	27 06 02 30.2–.70	12.42N–.08	88.73W–.06	35	6.2s,4.2b		
NEIC	VIII	27 06 02 32.5–1.2	12.44N	88.72W	35	4.3b,4.2b		

ISC Event type se.

IDC Error ellipse: s-maj=51.6km s-min=21.4km az=40.0.

ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.0km az=33.9.

NEIC Event type se. Error ellipse: s-maj=23.8km s-min=7.8km az=207.0.

(76) Off coast of central America

ISC	**VIII**	**27 09 04 57.7–.81**	**12.12N–.04**	**88.41W–.03**	**6–4**	**5.1b,5.0s**	**1156**	**1-163**
MOS	VIII	27 09 04 56.7–1.1	12.20N	88.26W	10	5.3b,5.0s		**¶601627744**
UCR	VIII	27 09 04 59.4–2.8	11.96N	88.63W	54	5.1b,4.5		
ISCJB	VIII	27 09 05 00.1–.16	12.21N–.02	88.37W–.02	33	5.0b,5.0s		
IDC	VIII	27 09 05 01.2–3.4	12.27N	88.22W	33–25	4.9,4.9s		
BJI	VIII	27 09 05 01.5	12.20N	88.30W	25	5.7b,5.6s		
NEIC	VIII	27 09 05 03.9–.46	12.17N	88.28W	54–4	5.1b,5.6s		

ISC Event type se.

MOS Error ellipse: s-maj=10.3km s-min=4.9km az=112.1.

UCR Error ellipse: s-maj=8.1km s-min=8.0km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=32.9.

IDC Error ellipse: s-maj=19.0km s-min=9.7km az=51.0.

NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0.

(177) Kermadec Islands region

ISC	**VIII**	**27 16 00 49.0–.34**	**27.22S–.06**	**176.53W–.07**	**35**	**5.0b,4.0s**	**329**	**2-166**
IDC	VIII	27 16 00 44.4–.39	27.09S	176.63W	0	4.7,4.6		**¶601627755**
BJI	VIII	27 16 00 47.5	27.57S	176.70W	33	5.8b,5.3s		
ISCJB	VIII	27 16 00 48.3–.19	27.20S–.06	176.75W–.04	35	4.9b,4.1s		
NEIC	VIII	27 16 00 53.1–1.0	27.20S	176.71W	67–9	4.9b,4.1s		

ISC Event type se.

IDC Error ellipse: s-maj=15.4km s-min=15.0km az=143.0.

ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=155.2.

NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=157.0.

(49) Gulf of California

ISC	**VIII**	**27 23 15 59.7–.30**	**30.56N–.03**	**113.91W–.02**	**10**	**5.0s,5.0b**	**1025**	**1-145**
ECX	VIII	27 23 15 57.6–.58	30.60N	113.98W	8	5.3L,5.1		**¶601627864**
BJI	VIII	27 23 15 59.0	30.60N	113.90W	10	5.7b,5.4b		
MOS	VIII	27 23 15 59.4–1.1	30.68N	113.88W	13	5.3s,5.2b		
ISCJB	VIII	27 23 15 59.0–.18	30.62N–.02	113.78W–.02	10	5.0s,4.9b		
MEX	VIII	27 23 16 00.1–.66	30.64N	113.98W	16–7	5.2,4.9b		
GCMT	VIII	27 23 16 00.5–.10	30.66N–.01	114.01W–.01	12	5.3W,4.9b		
NEIC	VIII	27 23 16 00.5–.26	30.55N	113.91W	10	5.4L,5.2		
IDC	VIII	27 23 16 01.8–2.8	30.68N	113.79W	21–17	4.9,4.9s		

ISC Event type fe.

ECX Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.

MOS Error ellipse: s-maj=6.5km s-min=3.9km az=92.4.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.4km az=30.3.

MEX Error ellipse: s-maj=9.9km s-min=4.2km az=-1.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c134; s131,c251;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$-0.27±.05; $M_{\theta\phi}$0.23±.02; $M_{\phi r}$-0.04±.04; Best double couple: NP1:ϕ_s49.00000°,δ82.00000°,λ-12.00000°. NP2:ϕ_s141.00000°,δ79.00000°,λ-172.00000°. Principal axes: T 1.3650,Plg3.0000° ,Azm96.0000°; N -0.1050,Plg76.0000°,Azm196.0000°; P -1.2570,Plg14.0000°,Azm5.0000° $M_0$1.31100×10^{17}

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=215.0. Felt [III] at Puerto Penasco, Sonora. Also felt at Caborca. Felt [III] at Tucson and [II] at Scottsdale, Arizona. Also felt at Chandler and Phoenix. Felt at Ramona, California and at San Felipe, Baja California. Moment Tensor Solution. s90 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$7.39 $M_{r\theta}$-0.47 $M_{\theta\phi}$1.10 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s49.00000°,δ85.00000°,λ-2.00000°. NP2:ϕ_s140.00000°,δ88.00000°,λ-175.00000°. Principal axes: T 7.4800,Plg2.0000° ,Azm274.0000°; N -0.8300,Plg85.0000°,Azm164.0000°; P -6.6500,Plg5.0000°,Azm5.0000° $M_0$7.10000×10^{16}

IDC Error ellipse: s-maj=13.9km s-min=6.9km az=43.0.

(49) Gulf of California

ISC	**VIII**	**28 11 36 51.7–1.5**	**29.91N–.10**	**114.24W–.05**	**10**		**39**	**2-36**
ISCJB	VIII	28 11 36 51.7–.92	30.07N–.07	114.14W–.05	10	6.1b		**¶601832067**
NEIC	VIII	28 11 36 53.0–1.6	30.03N	114.21W	10	4.2		
MEX	VIII	28 11 36 57.7–.66	29.93N	114.25W	17–32	4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.2km az=16.2.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=9.3km az=212.0.
MEX Error ellipse: s-maj=18.1km s-min=6.8km az=-1.0.

(705) Off west coast of northern Sumatera

ISC	**VIII**	**28 15 51 07.5–.35**	**4.42N–.03**	**92.98E–.03**	**24–2**	**5.2b,5.0s**	**665**	**3-158**
IDC	VIII	28 15 51 03.9–.33	4.45N	93.01E	0	5.1L,4.8		**¶601628804**
ISCJB	VIII	28 15 51 04.3–.82	4.39N–.02	92.94E–.02	15–5	5.1b,4.9s		
BJI	VIII	28 15 51 04.2	4.26N	92.98E	21	5.3b,5.2s		
NEIC	VIII	28 15 51 06.8–1.4	4.41N	92.99E	23–9	5.4b,5.3W		
DJA	VIII	28 15 51 06.4–.20	4N–2.0	93E–2.0	10	6.0,5.7b		
MOS	VIII	28 15 51 06.8–1.1	4.43N	92.97E	33	5.4b,4.7s		
GCMT	VIII	28 15 51 07.8–.10	4.47N–.01	92.94E–.01	18–0	5.4W,4.7s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}0.16 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.53 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.22 Best double couple: NP1:ϕ_s104.00000° ,δ80.00000°,λ177.00000°. NP2:ϕ_s195.00000°,δ87.00000°,λ10.00000°. Principal axes: T 1.2200,Plg10.0000°,Azm60.0000°; N 0.1500,Plg79.0000°,Azm211.0000° ; P -1.3700,Plg5.0000°,Azm329.0000° $M_0$1.30000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c155; s118,c219;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$0.71±.02; $M_{r\theta}$-0.23±.05; $M_{\theta\phi}$-1.40±.02; $M_{\phi r}$-0.78±.07; Best double couple: NP1:ϕ_s10.00000°,δ84.00000°,λ-29.00000°. NP2:ϕ_s103.00000°,δ62.00000°,λ-174.00000°. Principal axes: T 1.7800,Plg15.0000° ,Azm60.0000°; N -0.0850,Plg61.0000°,Azm180.0000°; P -1.6960,Plg24.0000° ,Azm323.0000° $M_0$1.73800×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 19 05 11.5–.32**	**38.45N–.03**	**141.92E–.03**	**56–2**	**5.6b,4.9s**	**2111**	**0-160**
NIED	VIII	29 19 05 00	38.40N	141.90E	59	5.5W,4.9s		**¶601670369**
MOS	VIII	29 19 05 07.5–.81	38.40N	141.81E	32	6.1b,5.0s		
BJI	VIII	29 19 05 08.5	38.43N	141.92E	55	5.4b,5.4b		
NEIC	VIII	29 19 05 11.1–.07	38.43N	141.81E	47	5.8b,5.5W		
ISCJB	VIII	29 19 05 11.9–.19	38.43N–.01	141.83E–.01	67–1	5.4b,5.5W		
JMA	VIII	29 19 05 12.2–.10	38.41N	141.91E	60–1	5.6,5.5W		
GCMT	VIII	29 19 05 12.0–.10	38.45N–.01	141.86E–.01	56–0	5.4W,5.5W		
IDC	VIII	29 19 05 13.2–1.1	38.39N	141.84E	68–9	5.5,5.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ47.00000°,λ65.00000°. NP2:ϕ_s59.00000°,δ49.00000°,λ114.00000°. $M_0$1.76000×10^{17}
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=147.0. Felt [V] at Sendai, [IV] at Fukushima and Furukawa and [II] at Tokyo. Felt in much of northern and east-central Honshu. Recorded [5U JMA] in Fukushima and Miyagi. Also recorded [1 JMA] in southwestern and eastern Hokkaido. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.99 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-1.38 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.93 $M_{\phi r}$-0.65 Best double couple: NP1: ϕ_s53.00000°,δ46.00000°,λ119.00000°. NP2:ϕ_s194.00000°,δ51.00000°,λ64.00000°. Principal axes: T 2.3200,Plg69.0000°,Azm41.0000°; N -0.3100,Plg20.0000°,Azm211.0000° ; P -2.0200,Plg3.0000°,Azm303.0000° $M_0$2.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=154.8.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s61.00000° ,δ70.00000°,λ98.00000°. NP2:ϕ_s218.00000°,δ21.00000°,λ68.00000°. Principal axes: T Plg64.0000°,Azm345.0000°; N Plg8.0000°,Azm239.0000°; P Plg25.0000°,Azm145.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c202; s132,c280; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$-0.95±.02; $M_{r\theta}$0.56±.02; $M_{\theta\phi}$-0.92±.01; $M_{\phi r}$-0.41±.02; Best double couple: NP1:ϕ_s61.00000°,δ50.00000° ,λ119.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ61.00000°. Principal axes: T 1.8920,Plg69.0000°,Azm39.0000°; N -0.1520,Plg21.0000°,Azm221.0000° ; P -1.7450,Plg1.0000°,Azm131.0000° $M_0$1.81800×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=6.2km az=87.0.

(196) Irian Jaya region

ISC	**VIII**	**30 06 56 43.3–.60**	**3.44S–.03**	**131.08E–.04**	**28–3**	**5.2b,4.5s**	**523**	**1-168**
IDC	VIII	30 06 56 38.8–.34	3.40S	131.01E	0	5.0,5.0b		**¶601645637**
ISCJB	VIII	30 06 56 39.9–.70	3.41S–.02	131.07E–.02	16–5	5.1b,4.4s		
BJI	VIII	30 06 56 41.7	3.20S	131.33E	28	5.1b,5.1b		
MOS	VIII	30 06 56 42.6–1.1	3.34S	131.10E	33	5.4b,5.1b		
GCMT	VIII	30 06 56 43.3–.20	3.31S–.02	131.23E–.02	18–0	5.1W,5.1b		
DJA	VIII	30 06 56 44.3–.40	3S–2.0	131E–2.0	32–4	5.8b,5.4		
NEIC	VIII	30 06 56 44.3–.15	3.43S	131.00E	35	5.2b,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.3km az=40.6.
MOS Error ellipse: s-maj=9.9km s-min=5.6km az=115.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c74; s101,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.21±.16 $M_{\theta\theta}$-2.02±.11; $M_{\phi\phi}$-2.19±.12; $M_{r\theta}$-1.45±.23; $M_{\theta\phi}$1.98±.07; $M_{\phi r}$2.78±.27; Best double couple: NP1:ϕ_s326.00000°,δ64.00000°,λ98.00000°. NP2:ϕ_s128.00000°,δ28.00000°,λ74.00000°. Principal axes: T 5.3150,Plg70.0000° ,Azm253.0000°; N -0.2360,Plg7.0000°,Azm142.0000°; P -5.0790,Plg18.0000°,Azm50.0000° $M_0$5.19700×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=61.0.

(272) Seram

ISC	**VIII**	**30 07 13 28.5–.39**	**3.61S–.04**	**131.00E–.06**	**30**	**4.6b**	**97**	**1-153**
IDC	VIII	30 07 13 24.1–.56	3.32S	131.07E	0	4.4,4.3		**¶601645638**
ISCJB	VIII	30 07 13 26.7–.25	3.50S–.03	131.04E–.04	30	4.6b,4.3		
DJA	VIII	30 07 13 28.6–.30	3S–4.0	131E–3.0	10	5.6b,5.1		
NEIC	VIII	30 07 13 29.1–.30	3.46S	130.98E	35	4.4b,5.1		

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=12.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.1km az=152.9.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=60.0.

(742) Western Indian-Antarctic Ridge

ISC	**VIII**	**30 12 18 42.1–.80**	**50.30S–.04**	**114.17E–.06**	**6–4**	**5.4b,5.3s**	**814**	**15-172**
IDC	VIII	30 12 18 40.9–.33	50.21S	114.22E	0	5.2,5.2		**¶601653043**
ISCJB	VIII	30 12 18 40.2–2.3	50.18S–.03	114.11E–.06	3–14	5.3s,5.3b		
BJI	VIII	30 12 18 41.0	50.20S	114.20E	10	5.6b,5.4s		
MOS	VIII	30 12 18 42.4–1.3	50.15S	114.19E	13	5.6b,5.2s		
NEIC	VIII	30 12 18 43.1–.12	50.14S	114.08E	10	5.4b,5.3s		
GCMT	VIII	30 12 18 46.1–.10	50.12S–.01	114.10E–.01	16–0	5.6W,5.3s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c183; s136,c312; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.04 $M_{\theta\theta}$2.16±.04; $M_{\phi\phi}$-2.75±.04; $M_{r\theta}$-0.06±.11; $M_{\theta\phi}$1.98±.03; $M_{\phi r}$-1.76±.14; Best double couple: NP1:ϕ_s25.00000°,δ88.00000° ,λ-153.00000°. NP2:ϕ_s294.00000°,δ63.00000°,λ-2.00000°. Principal axes: T 3.0600,Plg17.0000°,Azm156.0000°; N 0.9760,Plg63.0000°,Azm28.0000° ; P -4.0380,Plg20.0000°,Azm252.0000° $M_0$3.54900×10^{17}

(639) Jan Mayen Island region

ISC	**VIII**	**30 13 43 25.3–.38**	**71.45N–.03**	**11.03W–.02**	**11–2**	**6.4s,6.0b**	**2177**	**1-174**
IDC	VIII	30 13 43 22.8–.35	71.52N	10.99W	0	6.3,6.3		**¶601653047**
BJI	VIII	30 13 43 22.7	71.46N	10.63W	9	6.8s,6.6		
ISCJB	VIII	30 13 43 23.8–.05	71.38N–.01	11.06W–.03	16	6.3s,5.9b		
BER	VIII	30 13 43 23.4–3.0	71.47N	10.55W	5–15	6.9b,6.3s		
MOS	VIII	30 13 43 23.3–.99	71.44N	10.89W	13	6.4s,6.3b		
REY	VIII	30 13 43 24.9	70.85N	9.63W	10	6.4s,6.3b		
NEIC	VIII	30 13 43 24.0–.00	71.36N	10.41W	13	6.4s,6.3b		
NEIC	VIII	30 13 43 25.2–.08	71.44N	10.61W	14	7.1,6.8W		
GCMT	VIII	30 13 43 35.2–.00	71.44N	9.84W	24–0	6.7W,6.8W		
NEIC	VIII	30 13 43 41.4–.00	71.51N	10.20W	10	6.7W,6.8W		
CNRM	VIII	30 13 43 46.0	70.75N	7.35W	15	6.6L,6.8W		

ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=7.6km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=1.7km s-min=1.0km az=28.8.
BER Error ellipse: s-maj=8.5km s-min=72.8km az=-1.0.
MOS Error ellipse: s-maj=10.8km s-min=3.6km az=101.8.
NEIC Event type se. Moment Tensor Solution. s78 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.12 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.16 $M_{\theta\phi}$1.18 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s21.00000°,δ89.00000° ,λ168.00000°. NP2:ϕ_s112.00000°,δ78.00000°,λ1.00000°. Principal axes: T 1.6700,Plg8.0000°,Azm335.0000°; N -0.0400,Plg78.0000°,Azm197.0000° ; P -1.6300,Plg7.0000°,Azm67.0000° $M_0$1.70000×10^{19}
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.4km az=211.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ82.00000°,λ164.00000°. NP2: ϕ_s295.00000°,δ75.00000°,λ9.00000°. Principal axes: T 1.0200,Plg17.0000°,Azm158.0000° ; N 0.0300,Plg72.0000°,Azm355.0000°; P -1.0500,Plg5.0000°,Azm250.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s300.00000°,δ90.00000° ,λ-175.00000°. NP2:ϕ_s210.00000°,δ85.00000°,λ0.00000°. Principal axes: T Plg4.0000° ,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm165.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c372; s152,c671; Duration: 5s7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.01±.01 $M_{\theta\theta}$1.10±.01; $M_{\phi\phi}$-1.09±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$1.19±.01; $M_{\phi r}$0.23±.01; Best double couple: NP1:ϕ_s202.00000°,δ86.00000° ,λ-173.00000°. NP2:ϕ_s111.00000°,δ83.00000°,λ-5.00000°. Principal axes: T 1.6230,Plg2.0000°,Azm336.0000°; N 0.0210,Plg82.0000°,Azm235.0000° ; P -1.6450,Plg8.0000°,Azm66.0000° $M_0$1.63400×10^{19}
NEIC Event type se. Moment Tensor Solution. s118 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.05 $M_{\phi r}$-0.18 Best double couple: NP1:ϕ_s290.00000° ,δ83.00000°,λ-2.00000°. NP2:ϕ_s21.00000°,δ88.00000°,λ-173.00000°. Principal axes: T 1.4300,Plg4.0000°,Azm155.0000°; N -0.0400,Plg82.0000°,Azm33.0000° ; P -1.3900,Plg6.0000°,Azm246.0000° $M_0$1.40000×10^{19}

(639) Jan Mayen Island region

ISC	**VIII**	**30 13 51 05.0–.47**	**70.69N–.03**	**8.48W–.03**	**16–2**	**5.2b**	**727**	**0-146**
IDC	VIII	30 13 51 01.5–.60	70.93N	9.31W	0	4.9,4.7		**¶601653048**
REY	VIII	30 13 51 02.0	70.78N	9.75W	10	4.9,4.7		
BJI	VIII	30 13 51 02.5	70.90N	8.10W	12	5.5b,5.0b		
ISCJB	VIII	30 13 51 03.7–.10	70.84N–.02	8.07W–.05	10	5.2b,5.0b		
BER	VIII	30 13 51 03.3–5.8	70.76N	8.16W	5	5.2b,5.0b		
NAO	VIII	30 13 51 03.7–2.9	70.91N	8.51W	14–18	5.6L,5.0b		
NEIC	VIII	30 13 51 05.9–.13	70.94N	7.94W	10	5.2b,5.0b		
MOS	VIII	30 13 51 06.1–1.5	70.98N	8.10W	26	5.4b,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=8.6km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=1.7km az=39.2.
BER Error ellipse: s-maj=12.7km s-min=53.8km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=218.0.
MOS Error ellipse: s-maj=18.8km s-min=5.4km az=100.4.

(162) South Island

ISC	**VIII**	**30 19 38 35.8–1.1**	**44.09S–.04**	**168.89E–.04**	**5–7**	**4.8b,4.2s**	**137**	**0-152**
ISCJB	VIII	30 19 38 34.5–.64	44.03S–.02	168.86E–.03	4–4	4.9b,4.2s		**¶601664239**
BJI	VIII	30 19 38 34.8	43.84S	169.15E	6	5.5b,5.3s		
NEIC	VIII	30 19 38 35.6–.00	44.10S	168.72E	5	5.3L,4.9b		
IDC	VIII	30 19 38 40.5–2.5	43.70S	169.04E	31–20	4.5L,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=44.7.
NEIC Event type fe. Felt strongly at Haast and [IV] at Wanaka. Felt widely in the central and southern parts of the South Island. After WEL. Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ70.00000°,λ14.00000°. NP2:ϕ_s67.00000°,δ77.00000°,λ159.00000°. Principal axes: T 1.2600,Plg24.0000°,Azm23.0000°; N 0.0100,Plg66.0000°,Azm216.0000° ; P -1.2700,Plg5.0000°,Azm116.0000°
IDC Error ellipse: s-maj=19.9km s-min=14.5km az=40.0.

(706) Northern Sumatera

ISC	**VIII**	**31 03 39 42.9–.63**	**5.20N–.06**	**94.02E–.07**	**34**	**4.3b**	**39**	**3-142**
IDC	VIII	31 03 39 38.4–.89	5.23N	94.16E	0	4.5L,4.3		**¶601664254**
NEIC	VIII	31 03 39 39.1–.48	5.08N	93.87E	10	4.6b,4.3		
ISCJB	VIII	31 03 39 41.4–.52	5.21N–.05	94.05E–.07	34	4.2b,4.3		
DJA	VIII	31 03 39 49.3–1.6	5N–5.0	95E–13	39–15	5.6b,5.1		

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

(248) Philippine Islands region

ISC	**VIII**	**31 12 47 35.5–.30**	**10.81N–.02**	**126.83E–.02**	**44–2**	**7.6s,7.1b**	**3082**	**2-173**
IDC	VIII	31 12 47 29.2–.23	10.75N	126.75E	0	7.4,7.4s		**¶601667544**
MAN	VIII	31 12 47 31.4	10.92N	127.05E	51	7.6s,7.3b		
MOS	VIII	31 12 47 32.4–.88	10.73N	126.74E	33	7.4s,7.3b		
NEIC	VIII	31 12 47 33.4–.07	10.81N	126.64E	28	7.9,7.6W		
BJI	VIII	31 12 47 33.0	10.77N	126.76E	31	7.5b,7.5s		
ISCJB	VIII	31 12 47 34.7–.28	10.79N–.01	126.69E–.01	49–2	7.5s,7.0b		
NEIC	VIII	31 12 47 34.0–.00	10.93N	126.98E	50	7.5s,7.0b		
DJA	VIII	31 12 47 37.2–.30	11N–2.0	127E–2.0	63–3	8.3,7.8		
KLM	VIII	31 12 47 39.0	10.75N	126.85E	77	7.2b,7.8		
GCMT	VIII	31 12 47 43.4–.10	10.85N–.01	126.97E	45–0	7.6W,7.8		
NEIC	VIII	31 12 47 58.0–.00	10.99N	127.03E	44	7.6W,7.8		

ISC Event type de.
IDC Error ellipse: s-maj=9.1km s-min=6.9km az=68.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=114.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s189.00000°,δ58.00000°,λ91.00000°. NP2: ϕ_s6.00000°,δ32.00000°,λ88.00000°. Principal axes: T Plg77.0000°,Azm103.0000° ; N Plg1.0000°,Azm8.0000°; P Plg13.0000°,Azm278.0000° $M_0$2.80000×10^{20}
NEIC Event type de. Error ellipse: s-maj=2.8km s-min=2.4km az=64.0. One person killed and one injured at Cagayan de Oro, Mindanao. Several roads and bridges damaged and power outages occurred in several towns. A small landslide occurred on Mindanao. A local tsunami with wave heights of 0.03 meters observed at Davao, Mindanao and at Daet and Legaspi City, Luzon. Felt [VII PIVS] at Borongan, General MacArthur, Guiuan, Llorente, Oras and Sulat and [VI PIVS] at San Julian, Samar. Also felt [VII PIVS] at Tacloban and [VI PIVS] at Palo, Leyte. Felt [VI PIVS] on Siargao Island. Felt [V PIVS] at Duero, Tagbilaran City and Talibon, Bohol; Panganiban, Catanduanes Island; Cebu City, Cebu; Legaspi City and Sorsogon, Luzon; Barobo, Bislig, Butuan, Carrascal, Cateel, Compostela, Davao, Lingig, Mati and Tandag, Mindanao; Iloilo and Roxas City, Panay. Felt [IV PIVS] at Masbate, Masbate and at Bacolod and Dumaguete, Negros. Felt [III PIVS] at Mambajao, Camiguin Island, at Jordan, Guimaras Island and at Siquijor, Siquijor Island. Felt [III] on Pulau Ternate, Indonesia. Also felt at Koror, Palau. Complex earthquake observed on broadband displacement seismograms, with at least one large event occurring about 3 seconds after a small event. Depth and focal mechanism based on larger event. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$4.40000×10^{20} Moment Tensor Solution. s63 Moment tensor: Scale 10^{20} Nm; M_{rr}2.33 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.42 Best double couple: NP1: ϕ_s189.00000°,δ50.00000°,λ98.00000°. NP2:ϕ_s358.00000°,δ40.00000°,λ81.00000°. Principal axes: T 2.3800,Plg82.0000°,Azm144.0000°; N 0.4200,Plg6.0000°,Azm5.0000° ; P -2.8000,Plg5.0000°,Azm274.0000° $M_0$2.60000×10^{20} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s301.00000°,δ59.00000°,λ30.00000°. NP2: ϕ_s195.00000°,δ65.00000°,λ145.00000°. Principal axes: T Plg42.0000°,Azm156.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm250.0000°
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=157.5.
NEIC Event type se. Moment Tensor Solution. s100 Moment tensor: Scale 10^{20}Nm; M_{rr}2.69 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-3.16 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s201.00000° ,δ50.00000°,λ114.00000°. NP2:ϕ_s346.00000°,δ46.00000°,λ64.00000°. Principal axes: T 2.9800,Plg71.0000°,Azm177.0000°; N 0.2000,Plg18.0000°,Azm4.0000° ; P -3.1800,Plg2.0000°,Azm273.0000° $M_0$3.10000×10^{20}

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s154,c421; s152,c757; Duration: 15s7 Moment tensor: Scale 10^{20}Nm; M_{rr}2.97±.01 $M_{\theta\theta}$0.53±.01; $M_{\phi\phi}$-3.50±.01; $M_{r\theta}$-0.75±.03; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$-0.43±.03; Best double couple: NP1:ϕ_s197.00000° ,δ51.00000°,λ110.00000°. NP2:ϕ_s347.00000°,δ43.00000°,λ67.00000°. Principal axes: T 3.2030,Plg74.0000°,Azm168.0000°; N 0.3350,Plg15.0000°,Azm4.0000° ; P -3.5380,Plg4.0000°,Azm273.0000° $M_0$3.37000×10^{20}

NEIC Event type se. Moment Tensor Solution. s181 Moment tensor: Scale 10^{20}Nm; M_{rr}3.25 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-3.48 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.49 Best double couple: NP1:ϕ_s190.00000° ,δ50.00000°,λ97.00000°. NP2:ϕ_s359.00000°,δ41.00000°,λ82.00000°. Principal axes: T 3.3200,Plg83.0000°,Azm147.0000°; N 0.2300,Plg5.0000°,Azm6.0000° ; P -3.5400,Plg4.0000°,Azm275.0000° $M_0$3.40000×10^{20}

(248) Philippine Islands region

ISC	**VIII**	**31 13 14 57.1–.26**	**10.55N–.03**	**126.99E–.04**	**20**	**5.3b**	**433**	**2-168**
BJI	VIII	31 13 14 53.6	10.28N	127.03E	22	5.6b,5.5s		**¶601667546**
IDC	VIII	31 13 14 54.0–.31	10.49N	126.81E	0	5.2,5.1		
MAN	VIII	31 13 14 54.7	10.72N	127.09E	33	6.7b,6.6s		
ISCJB	VIII	31 13 14 55.8–.15	10.61N–.02	126.94E–.02	20	5.2b,6.6s		
MOS	VIII	31 13 14 57.2–1.3	10.55N	126.92E	33	5.5b,6.6s		
KLM	VIII	31 13 14 57.0	10.71N	127.00E	25	5.6b,6.6s		
NEIC	VIII	31 13 14 59.4–.18	10.56N	126.93E	35	5.3b,6.6s		
DJA	VIII	31 13 15 01.2–.40	11N–3.0	127E–3.0	50–4	6.2,5.9		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt at Butuan, Mindanao and at Catbalogan, Samar.							

(248) Philippine Islands region

ISC	**VIII**	**31 13 27 30.2–.64**	**10.56N–.03**	**126.95E–.04**	**23–4**	**5.2b**	**495**	**2-168**
MAN	VIII	31 13 27 21.7	10.83N	127.18E	108	6.5b,6.3s		**¶601833316**
BJI	VIII	31 13 27 25.6	10.01N	127.12E	35	5.5b,5.4s		
IDC	VIII	31 13 27 26.1–.32	10.67N	127.22E	0	5.1,5.1		
KLM	VIII	31 13 27 28.0	10.40N	127.06E	0	5.7b,5.1		
ISCJB	VIII	31 13 27 28.9–1.1	10.58N–.02	126.92E–.02	23–8	5.4s,5.2b		
MOS	VIII	31 13 27 29.0–2.0	10.58N	126.98E	31	5.5b,5.2b		
DJA	VIII	31 13 27 31.8–.70	11N–3.0	127E–2.0	35–5	6.4,6.3b		
NEIC	VIII	31 13 27 32.0–.21	10.49N	126.89E	35	5.4b,6.3b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=13.6km s-min=8.3km az=75.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.1km s-min=3.5km az=170.5.							
MOS	Error ellipse: s-maj=10.0km s-min=4.9km az=116.5.							
NEIC	Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=90.0. Felt at Cebu City and Talisay, Cebu and at Cagayan de Oro, Mindanao.							

(248) Philippine Islands region

ISC	**VIII**	**31 13 31 38.5–1.1**	**10.43N–.04**	**126.90E–.06**	**46–9**	**5.0b**	**238**	**2-168**
IDC	VIII	31 13 31 31.8–.36	10.45N	126.92E	0	6.2,6.2s		**¶601667550**
ISCJB	VIII	31 13 31 33.8–1.4	10.45N–.03	126.95E–.03	22–10	4.9b,6.2s		
MAN	VIII	31 13 31 33.2	10.45N	126.87E	7	5.0b,4.0L		
BJI	VIII	31 13 31 33.8	10.01N	127.13E	47	5.1b,5.1s		
MOS	VIII	31 13 31 35.4–1.1	10.53N	126.97E	33	5.4b,5.1s		
NEIC	VIII	31 13 31 37.4–.17	10.46N	126.92E	35	5.2b,5.1s		
KLM	VIII	31 13 31 41.0	10.60N	126.52E	40	5.4b,5.1s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.0km s-min=9.5km az=76.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=136.7.							
MOS	Error ellipse: s-maj=12.1km s-min=5.9km az=112.5.							
NEIC	Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=86.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 13 36 30.2–.30**	**10.45N–.04**	**126.94E–.05**	**20**	**4.8b**	**196**	**2-168**
MAN	VIII	31 13 36 22.5	10.69N	127.56E	34	6.1b,5.7s		**¶601667551**
IDC	VIII	31 13 36 26.7–.33	10.42N	126.84E	0	4.9,4.8		
ISCJB	VIII	31 13 36 28.5–.18	10.44N–.02	126.96E–.03	20	4.8b,4.7s		
BJI	VIII	31 13 36 28.0	10.03N	127.18E	42	5.2b,5.0b		
NEIC	VIII	31 13 36 32.1–.16	10.41N	126.93E	35	4.9b,5.0b		
KLM	VIII	31 13 36 34.0	10.19N	127.15E	71	5.2b,5.0b		
DJA	VIII	31 13 36 34.5–1.0	10N–4.0	127E–4.0	37–10	6.6b,6.4		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(248) Philippine Islands region

ISC	**VIII**	**31 13 37 32.0–.34**	**10.77N–.05**	**126.79E–.08**	**35**	**4.8b**	**153**	**3-168**
IDC	VIII	31 13 37 26.8–.46	10.75N	126.74E	0	6.2,6.2s		**¶601755683**
ISCJB	VIII	31 13 37 30.0–.25	10.73N–.04	126.89E–.06	33	5.5s,4.7b		
NEIC	VIII	31 13 37 31.8–.23	10.76N	126.82E	35	4.7b,4.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=22.0km s-min=11.6km az=73.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=168.4.							
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=83.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 13 40 33.3–.98**	**10.48N–.05**	**126.82E–.06**	**40–9**	**5.0b**	**230**	**3-146**
BJI	VIII	31 13 40 26.2	10.19N	126.88E	21	5.5s,5.3		**¶601667552**
IDC	VIII	31 13 40 27.6–.36	10.48N	126.77E	0	4.9,4.9		
ISCJB	VIII	31 13 40 30.8–.21	10.49N–.03	126.88E–.04	33	5.0b,4.9		
MOS	VIII	31 13 40 31.0–1.1	10.54N	126.72E	32	5.5b,4.9		
NEIC	VIII	31 13 40 32.7–.20	10.48N	126.80E	35	4.9b,4.9		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=15.3km s-min=9.0km az=76.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=175.7.							
MOS	Error ellipse: s-maj=11.2km s-min=5.4km az=113.1.							
NEIC	Event type fe. Error ellipse: s-maj=8.3km s-min=4.5km az=89.0. Felt at Barra and Bislig, Mindanao and at Bacolod, Negros.							

(248) Philippine Islands region

ISC	**VIII**	**31 14 16 01.9–.73**	**10.50N–.03**	**126.69E–.05**	**29–5**	**4.8b**	**205**	**2-164**
BJI	VIII	31 14 15 55.6	9.96N	127.03E	33	5.4s,5.2		**¶601667557**
IDC	VIII	31 14 15 57.2–.33	10.46N	126.60E	0	4.7,4.7		
ISCJB	VIII	31 14 15 58.2–1.2	10.56N–.02	126.75E–.02	13–7	4.7b,4.7		
MAN	VIII	31 14 15 59.7	10.64N	126.81E	33	5.5b,4.8s		
KLM	VIII	31 14 16 01.0	10.23N	126.70E	13	5.1b,4.8s		
NEIC	VIII	31 14 16 02.6–.15	10.47N	126.67E	35	4.9b,4.8s		
DJA	VIII	31 14 16 02.1–1.1	11N–7.0	127E–4.0	40–8	5.4b,5.0		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(248) Philippine Islands region

ISC	**VIII**	**31 14 38 43.2–.40**	**11.11N–.04**	**126.88E–.06**	**35**	**4.4b**	**107**	**1-147**
DJA	VIII	31 14 38 38.3–.50	11N–4.0	127E–8.0	10	5.9b,5.5		**¶601667563**
IDC	VIII	31 14 38 38.1–.44	11.00N	126.78E	0	5.5,5.5s		
MAN	VIII	31 14 38 40.1	11.13N	126.81E	21	5.2b,4.3s		
ISCJB	VIII	31 14 38 41.5–.25	11.10N–.03	126.87E–.03	33	5.3s,4.4b		
NEIC	VIII	31 14 38 43.0–.18	10.98N	126.81E	35	4.5b,4.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.4km s-min=8.5km az=79.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=177.6.							
NEIC	Event type se. Error ellipse: s-maj=8.1km s-min=3.9km az=75.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 14 44 53.8–.34**	**10.81N–.04**	**126.69E–.05**	**37**	**4.5b**	**142**	**1-165**
IDC	VIII	31 14 44 48.2–.38	10.71N	126.55E	0	5.2s,5.2		**¶601667564**
MAN	VIII	31 14 44 50.7	10.84N	126.78E	42	5.2s,5.2		
ISCJB	VIII	31 14 44 51.9–.23	10.81N–.02	126.73E–.03	37	5.1s,4.5b		
NEIC	VIII	31 14 44 53.2–.22	10.73N	126.66E	35	4.5b,4.5b		
DJA	VIII	31 14 44 54.3–1.4	11N–8.0	127E–5.0	40–11	6.0b,5.7		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(248) Philippine Islands region

ISC	**VIII**	**31 14 59 57.7–1.1**	**10.45N–.03**	**126.96E–.05**	**35–9**	**5.0b**	**353**	**2-168**
IDC	VIII	31 14 59 51.8–.30	10.34N	126.80E	0	4.9,4.8		**¶601667565**
MAN	VIII	31 14 59 52.7	10.57N	127.07E	44	5.3b,4.4s		
ISCJB	VIII	31 14 59 53.6–.96	10.46N–.02	126.91E–.02	18–7	4.9b,4.4s		
BJI	VIII	31 14 59 53.7	10.20N	127.08E	35	5.5b,5.4s		
MOS	VIII	31 14 59 55.3–1.0	10.38N	126.82E	33	5.3b,5.4s		
NEIC	VIII	31 14 59 57.2–.16	10.38N	126.86E	35	4.9b,5.4s		
KLM	VIII	31 14 59 59.0	10.10N	127.00E	41	5.0b,5.4s		
DJA	VIII	31 14 59 59.3–.60	10N–4.0	127E–3.0	48–5	6.0b,5.5		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(248) Philippine Islands region

ISC	**VIII**	**31 15 21 50.6–.47**	**10.41N–.06**	**126.84E–.07**	**20**	**4.3b**	**91**	**2-146**
IDC	VIII	31 15 21 47.5–.53	10.45N	126.80E	0	4.5,4.4		**¶601755720**
ISCJB	VIII	31 15 21 48.8–.29	10.49N–.03	126.93E–.05	20	4.3b,4.4		
NEIC	VIII	31 15 21 52.6–.28	10.43N	126.87E	35	4.5b,4.4		
DJA	VIII	31 15 22 02.2–.80	10N–4.0	126E–7.0	58–10	6.2b,5.9		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(248) Philippine Islands region

ISC	**VIII**	**31 15 24 07.1–.95**	**10.41N–.04**	**126.94E–.06**	**41–8**	**4.8b**	**171**	**2-168**
IDC	VIII	31 15 24 00.8–.38	10.36N	126.82E	0	4.7,4.6		**¶601667566**
BJI	VIII	31 15 24 02.0	10.04N	127.17E	41	5.1s,5.0		
ISCJB	VIII	31 15 24 03.6–1.4	10.41N–.03	126.97E–.03	28–10	4.7b,5.0		
MAN	VIII	31 15 24 03.6	10.51N	126.93E	69	5.3b,4.4s		
NEIC	VIII	31 15 24 06.0–.18	10.37N	126.91E	35	4.9b,4.4s		
DJA	VIII	31 15 24 07.7–.60	10N–4.0	127E–5.0	38–6	5.8b,5.4		
KLM	VIII	31 15 24 13.0	10.51N	127.07E	93	4.8b,5.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=17.8km s-min=9.4km az=75.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=4.7km az=8.4.							
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=81.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 15 59 27.7–.40**	**10.79N–.04**	**126.73E–.06**	**37**	**4.3b**	**86**	**2-165**
IDC	VIII	31 15 59 22.4–.40	10.65N	126.70E	0	4.3,4.3		**¶601755729**
MAN	VIII	31 15 59 24.2	10.83N	126.88E	72	5.6b,5.0s		
ISCJB	VIII	31 15 59 25.8–.27	10.72N–.03	126.81E–.03	37	4.3b,5.0s		
NEIC	VIII	31 15 59 27.2–.23	10.64N	126.79E	35	4.6b,5.0s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.6km s-min=9.6km az=74.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=9.0.							
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=4.8km az=76.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 16 26 17.8–.53**	**10.99N–.04**	**126.85E–.06**	**10**	**4.3b**	**53**	**2-147**
DJA	VIII	31 16 26 14.6–5.7	11N–19	127E–11	14–30	5.5b,5.0		**¶601755739**
IDC	VIII	31 16 26 15.8–.55	10.71N	126.82E	0	4.3,4.2		
ISCJB	VIII	31 16 26 16.5–.47	10.95N–.04	126.84E–.05	10	4.2b,4.2		
MAN	VIII	31 16 26 16.5	10.99N	126.93E	22	4.8b,3.7L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=26.1km s-min=12.2km az=78.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=175.9.							

(248) Philippine Islands region

ISC	**VIII**	**31 16 55 09.1–.94**	**11.09N–.03**	**126.80E–.05**	**17–5**	**4.8b**	**328**	**1-168**
KLM	VIII	31 16 54 59.0	11.47N	128.27E	43	5.0b		**¶601755756**
DJA	VIII	31 16 55 04.2–1.1	11N–9.0	127E–9.0	10	6.1,5.6b		
IDC	VIII	31 16 55 06.1–.30	11.03N	126.71E	0	4.8,4.7		
BJI	VIII	31 16 55 06.1	10.93N	126.69E	9	5.3b,4.8b		
MAN	VIII	31 16 55 07.3	11.20N	126.88E	58	5.4b,4.6s		
ISCJB	VIII	31 16 55 07.9–1.0	11.06N–.02	126.81E–.02	21–7	4.7b,4.6s		
MOS	VIII	31 16 55 09.3–.98	10.98N	126.64E	32	5.1b,4.6s		
NEIC	VIII	31 16 55 11.4–.15	11.03N	126.71E	35	5.1b,4.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=12.0km s-min=7.7km az=80.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=2.2.							
MOS	Error ellipse: s-maj=11.1km s-min=5.5km az=118.8.							
NEIC	Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=84.0.							

(153) South Sandwich Islands region

ISC	**VIII**	**31 17 00 35.7–.30**	**55.78S–.07**	**27.71W–.06**	**35**	**5.0b**	**163**	**5-153**
IDC	VIII	31 17 00 30.2–.48	55.78S	27.49W	0	4.9,4.9		**¶601667573**
ISCJB	VIII	31 17 00 33.7–.25	55.74S–.05	27.51W–.07	35	5.0b,4.9		
MOS	VIII	31 17 00 33.6–1.2	55.81S	27.62W	33	5.1b,4.9		
BJI	VIII	31 17 00 34.8	55.80S	27.50W	33	5.5s,5.3b		
NEIC	VIII	31 17 00 35.9–1.2	55.79S	27.53W	40–11	5.0b,5.3b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=18.2km s-min=13.8km az=28.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=29.0.							
MOS	Error ellipse: s-maj=19.0km s-min=11.5km az=112.6.							
NEIC	Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=207.0.							

(696) Galapagos Islands region

ISC	**VIII**	**31 18 37 45.1–1.3**	**2.56N–.05**	**95.33W–.06**	**9–8**	**5.0s,5.0b**	**986**	**6-155**
ISCJB	VIII	31 18 37 43.9–.20	2.60N–.03	95.24W–.02	10	5.0b,4.9s		**¶601667578**
IDC	VIII	31 18 37 43.2–.50	2.50N	95.49W	0	4.9,4.9s		
NEIC	VIII	31 18 37 45.0–.15	2.53N	95.26W	10	5.0b,4.9s		
BJI	VIII	31 18 37 46.3	2.50N	95.20W	11	5.5b,5.5s		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=26.7.							
IDC	Error ellipse: s-maj=19.2km s-min=11.1km az=52.0.							
NEIC	Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=225.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 20 26 50.3–.35**	**10.81N–.03**	**126.80E–.05**	**36–1**	**5.1b,4.2s**	**508**	**2-168**
ISCJB	VIII	31 20 26 44.9–.94	10.76N–.02	126.82E–.02	12–6	5.0b,4.2s		**¶601668306**
IDC	VIII	31 20 26 44.8–.32	10.77N	126.79E	0	4.8,4.7		
MAN	VIII	31 20 26 46.5	10.85N	126.90E	32	5.6b,4.9s		
MOS	VIII	31 20 26 47.8–.96	10.74N	126.74E	32	5.4b,4.9s		
BJI	VIII	31 20 26 48.6	10.78N	126.80E	37	5.1b,5.0b		
DJA	VIII	31 20 26 49.5–1.6	11N–3.0	127E–3.0	18–11	5.4b,4.9b		
NEIC	VIII	31 20 26 49.9–.41	10.73N	126.73E	36–3	5.2b,4.9b		
KLM	VIII	31 20 26 56.0	10.95N	126.95E	90	4.8b,4.9b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.4km s-min=3.0km az=164.2.							
IDC	Error ellipse: s-maj=13.8km s-min=7.9km az=74.0.							
MOS	Error ellipse: s-maj=9.0km s-min=4.4km az=116.7.							
NEIC	Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=84.0.							

(248) Philippine Islands region

ISC	**VIII**	**31 21 22 29.3–.85**	**10.68N–.03**	**126.79E–.04**	**27–5**	**4.8b,3.9s**	**242**	**2-146**
IDC	VIII	31 21 22 24.7–.37	10.55N	126.58E	0	4.6,4.5		**¶601668310**
MAN	VIII	31 21 22 26.4	10.79N	126.92E	33	5.5b,4.8s		
ISCJB	VIII	31 21 22 27.8–.96	10.65N–.02	126.82E–.03	29–7	4.7b,3.9s		
BJI	VIII	31 21 22 28.2	10.48N	126.77E	44	5.1b,4.7b		
DJA	VIII	31 21 22 29.5–1.8	11N–4.0	127E–4.0	15–12	5.3b,4.8b		
NEIC	VIII	31 21 22 31.2–.47	10.57N	126.69E	44–4	4.9b,4.8b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=16.6km s-min=9.0km az=73.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=159.2.							
NEIC	Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=79.0. Felt at Dumaguete, Negros.							

(248) Philippine Islands region

ISC	**VIII**	**31 23 37 58.3–.19**	**10.41N–.03**	**126.78E–.04**	**39–2**	**5.6b,5.1s**	**1107**	**2-173**
IDC	VIII	31 23 37 52.0–.27	10.38N	126.75E	0	5.2,5.2b		**¶601755815**
ISCJB	VIII	31 23 37 54.7–.58	10.40N–.01	126.77E–.02	26–4	5.5b,5.1s		
MAN	VIII	31 23 37 54.7	10.52N	126.88E	32	6.2b,5.8s		
MOS	VIII	31 23 37 55.9–1.0	10.40N	126.74E	34	5.8b,5.0s		
BJI	VIII	31 23 37 56.1	10.36N	126.77E	41	5.6b,5.5s		
KLM	VIII	31 23 37 56.0	10.61N	127.28E	54	5.9b,5.5s		
DJA	VIII	31 23 37 57.0–.50	10N–2.0	127E–2.0	35–5	6.0b,6.0		
GCMT	VIII	31 23 37 58.3–.20	10.45N–.02	126.99E–.01	13–0	5.6W,6.0		
NEIC	VIII	31 23 37 58.4–.42	10.39N	126.72E	40–3	5.7b,5.1s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=10.5km s-min=7.2km az=74.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=177.4.							
MOS	Error ellipse: s-maj=7.5km s-min=4.2km az=114.1.							

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c72; s137,c261;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.10 $M_{\theta\theta}$0.62±.05; $M_{\phi\phi}$2.30±.07; $M_{r\theta}$0.07±.19; $M_{\theta\phi}$-0.77±.03; $M_{\phi r}$-1.37±.16; Best double couple: NP1:ϕ_s346.00000°,δ58.00000°,λ-83.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ-101.00000°. Principal axes: T 2.8910,Plg13.0000° ,Azm71.0000°; N 0.3730,Plg6.0000°,Azm162.0000°; P -3.2620,Plg76.0000°,Azm277.0000° $M_0$3.07600×10^{17}

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=83.0. Felt [I PIVS] at Surigao, Mindanao. Also felt at Davao.

(248) Philippine Islands region

ISC	**IX**	**01 00 25 04.0–.54**	**10.24N–.03**	**126.56E–.04**	**47–4**	**5.2b,4.8s**	**799**	**2-170**
BJI	IX	01 00 24 57.9	9.87N	126.56E	36	5.4b,5.0b		**¶601668326**
MAN	IX	01 00 24 58.1	10.33N	126.62E	1	5.9b,5.3s		
IDC	IX	01 00 25 00.6–1.9	10.20N	126.37E	20–11	4.9,4.8		
MOS	IX	01 00 25 01.5–1.2	10.23N	126.36E	37	5.4b,4.8		
DJA	IX	01 00 25 01.2–.40	11N–3.0	127E–3.0	44–3	6.1,5.8b		
ISCJB	IX	01 00 25 03.0–.40	10.26N–.02	126.45E–.03	52–3	5.1b,4.7s		
NEIC	IX	01 00 25 02.7–.11	10.23N	126.45E	35	5.3b,4.7s		
GCMT	IX	01 00 25 03.7–.40	10.23N–.04	126.63E–.02	24–1	5.4W,4.7s		
KLM	IX	01 00 25 06.0	10.22N	126.65E	70	5.3b,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=7.7km az=71.0.
MOS Error ellipse: s-maj=9.5km s-min=4.1km az=120.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=83.0. Felt [II PIVS] at Tandag, Mindanao. Also felt at Claveria and Surigao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s69,c97;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.12 $M_{\theta\theta}$-0.36±.06; $M_{\phi\phi}$-1.11±.07; $M_{r\theta}$0.19±.09; $M_{\theta\phi}$0.06±.03; $M_{\phi r}$0.39±.06; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ98.00000°. NP2:ϕ_s171.00000°,δ37.00000°,λ80.00000°. Principal axes: T 1.5460,Plg80.0000° ,Azm305.0000°; N -0.3750,Plg6.0000°,Azm179.0000°; P -1.1680,Plg8.0000°,Azm88.0000° M_o1.35700×10^{17}

(248) Philippine Islands region

ISC	**IX**	**01 01 16 07.0–.22**	**10.52N–.03**	**126.84E–.04**	**20**	**5.4b,5.0s**	**734**	**2-170**
IDC	IX	01 01 16 04.0–.33	10.51N	126.67E	0	4.9,4.9b		**¶601668328**
BJI	IX	01 01 16 03.7	10.12N	127.00E	37	5.4b,5.2s		
MAN	IX	01 01 16 06.0	10.61N	126.76E	8	5.3b,4.5s		
ISCJB	IX	01 01 16 05.3–.13	10.54N–.02	126.79E–.02	20	5.3b,5.1s		
MOS	IX	01 01 16 07.6–1.1	10.50N	126.67E	36	5.7b,4.9s		
NEIC	IX	01 01 16 08.8–.11	10.45N	126.68E	35	5.5b,4.9s		
DJA	IX	01 01 16 09.7–.50	11N–3.0	127E–3.0	39–5	6.2,6.0b		
KLM	IX	01 01 16 19.0	10.74N	127.18E	181	5.7b,6.0b		
GCMT	IX	01 01 16 21.8–.20	10.54N–.02	126.99E–.01	12	5.4W,6.0b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Cebu City, Cebu and at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c80; s128,c243;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.70±.03 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$1.37±.03; $M_{r\theta}$-0.00±.11; $M_{\theta\phi}$-0.44±.02; $M_{\phi r}$-0.79±.09; Best double couple: NP1:ϕ_s348.00000°,δ58.00000°,λ-82.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ-102.00000°. Principal axes: T 1.6940,Plg12.0000° ,Azm72.0000°; N 0.2100,Plg7.0000°,Azm164.0000°; P -1.8960,Plg76.0000°,Azm281.0000° M_o1.79500×10^{17}

(248) Philippine Islands region

ISC	**IX**	**01 01 20 39.2–.77**	**10.55N–.03**	**126.88E–.04**	**35–3**	**5.2b,5.0s**	**710**	**2-173**
IDC	IX	01 01 20 33.9–.30	10.51N	126.74E	0	5.1,5.0		**¶601668330**
ISCJB	IX	01 01 20 35.5–.86	10.54N–.02	126.88E–.02	20–6	5.1b,5.1s		
BJI	IX	01 01 20 35.1	10.30N	127.08E	35	5.6b,5.2s		
MOS	IX	01 01 20 36.0–.88	10.50N	126.77E	27	5.4b,4.9s		
DJA	IX	01 01 20 36.3–.60	11N–5.0	127E–4.0	12–3	5.9b,5.5		
MAN	IX	01 01 20 37.3	10.59N	126.90E	45	5.6b,4.9s		
NEIC	IX	01 01 20 38.3–.94	10.53N	126.81E	29–6	5.3b,4.9s		
GCMT	IX	01 01 20 39.3–.20	10.55N–.02	126.90E–.02	19–0	5.4W,4.9s		
KLM	IX	01 01 20 41.0	10.71N	126.44E	10	5.4b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=7.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=9.9.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=114.1.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=81.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c52; s104,c179;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94±.09 $M_{\theta\theta}$0.54±.05; $M_{\phi\phi}$1.39±.06; $M_{r\theta}$-0.02±.11; $M_{\theta\phi}$-0.39±.03; $M_{\phi r}$0.36±.09; Best double couple: NP1:ϕ_s162.00000°,δ51.00000°,λ-86.00000°. NP2:ϕ_s336.00000°,δ40.00000°,λ-94.00000°. Principal axes: T 1.5780,Plg6.0000° ,Azm249.0000°; N 0.3940,Plg3.0000°,Azm339.0000°; P -1.9780,Plg84.0000°,Azm95.0000° M_o1.77800×10^{17}

(248) Philippine Islands region

ISC	**IX**	**01 01 37 34.2–.80**	**10.47N–.04**	**126.93E–.05**	**19–3**	**4.6b**	**178**	**2-170**
IDC	IX	01 01 37 31.1–.37	10.45N	126.86E	0	4.6,4.5		**¶601668333**
ISCJB	IX	01 01 37 32.5–1.4	10.53N–.03	126.92E–.03	19–10	4.5b,4.0s		
DJA	IX	01 01 37 33.1–1.1	11N–11	127E–6.0	10	5.8b,5.3		
MAN	IX	01 01 37 33.1	10.57N	126.96E	34	5.2b,4.3s		
MOS	IX	01 01 37 33.2–1.1	10.41N	126.87E	27	5.1b,4.3s		
NEIC	IX	01 01 37 34.9–2.3	10.44N	126.88E	27–16	4.7b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=9.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.5km az=149.3.
MOS Error ellipse: s-maj=12.7km s-min=6.3km az=123.2.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=71.0.

(248) Philippine Islands region

ISC	**IX**	**01 03 19 07.4–.40**	**10.80N–.04**	**126.79E–.06**	**35**	**4.3b**	**71**	**2-152**
DJA	IX	01 03 18 59.6–1.4	11N–12	127E–5.0	14–4	5.0b,4.4b		**¶601668336**
IDC	IX	01 03 19 02.6–.45	10.68N	126.65E	0	4.3,4.2b		
ISCJB	IX	01 03 19 05.7–.30	10.77N–.03	126.83E–.04	33	4.2b,3.0s		
MAN	IX	01 03 19 05.2	10.80N	126.77E	20	5.6b,4.8s		
NEIC	IX	01 03 19 07.6–.24	10.69N	126.72E	35	4.4b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=10.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=177.3.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=74.0.

(248) Philippine Islands region

ISC	**IX**	**01 08 08 07.7–.94**	**10.37N–.03**	**126.86E–.04**	**12–5**	**4.9b,4.1s**	**557**	**2-173**
MOS	IX	01 08 08 04.5–.95	10.40N	126.78E	33	5.3b,4.1s		**¶601668346**
IDC	IX	01 08 08 05.6–.30	10.34N	126.87E	0	4.8,4.8		
MAN	IX	01 08 08 07.0	10.40N	126.84E	7	5.5b,4.7s		
ISCJB	IX	01 08 08 07.1–.86	10.40N–.02	126.92E–.02	18–6	4.9b,4.0s		
GCMT	IX	01 08 08 10.1–.30	10.43N–.03	126.97E–.04	16–1	5.0W,4.0s		
NEIC	IX	01 08 08 11.2–.12	10.35N	126.85E	35	5.0b,4.0s		
BJI	IX	01 08 08 11.2	10.48N	126.77E	40	5.0b,5.0b		
KLM	IX	01 08 08 12.0	10.21N	127.21E	62	5.0b,5.0b		
DJA	IX	01 08 08 13.2–.70	10N–3.0	127E–3.0	50–6	5.6b,5.1		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s89,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.86±.33 $M_{\theta\theta}$1.67±.18; $M_{\phi\phi}$2.19±.21; $M_{r\theta}$1.01±.56; $M_{\theta\phi}$-1.32±.10; $M_{\phi r}$-1.44±.53; Best double couple: NP1:ϕ_s322.00000°,δ58.00000°,λ-88.00000°. NP2:ϕ_s139.00000°,δ32.00000°,λ-93.00000°. Principal axes: T 3.6830,Plg13.0000° ,Azm51.0000°; N 0.5880,Plg1.0000°,Azm141.0000°; P -4.2710,Plg77.0000°,Azm237.0000° M_o3.97700×10^{16}
NEIC Event type se.

(248) Philippine Islands region

ISC	**IX**	**01 08 13 16.9–.26**	**10.37N–.03**	**126.92E–.05**	**39–2**	**5.0b**	**420**	**2-164**
IDC	IX	01 08 13 10.9–.32	10.35N	126.86E	0	4.8,4.7		**¶601668347**
MAN	IX	01 08 13 12.7	10.47N	127.04E	76	5.5b,4.8s		
BJI	IX	01 08 13 13.8	10.16N	126.91E	37	5.1b,5.0b		
ISCJB	IX	01 08 13 14.1–.98	10.41N–.02	126.93E–.02	30–7	4.9b,4.2s		
MOS	IX	01 08 13 14.8–1.1	10.28N	126.81E	39	5.4b,4.2s		
NEIC	IX	01 08 13 16.4–.15	10.36N	126.88E	35	5.0b,4.2s		
GCMT	IX	01 08 13 18.4–.30	10.52N–.02	126.90E–.03	18–1	5.1W,4.2s		
KLM	IX	01 08 13 18.0	10.28N	127.19E	64	5.1b,4.2s		
DJA	IX	01 08 13 19.9–1.5	10N–6.0	127E–7.0	62–13	5.5b,5.0b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s96,c139;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.96±.31 $M_{\theta\theta}$2.28±.17; $M_{\phi\phi}$2.68±.19; $M_{r\theta}$2.13±.41; $M_{\theta\phi}$-1.85±.09; $M_{\phi r}$0.07±.39; Best double couple: NP1:ϕ_s302.00000°,δ55.00000°,λ-107.00000°. NP2:ϕ_s151.00000°,δ38.00000°,λ-67.00000°. Principal axes: T 4.5540,Plg9.0000° ,Azm44.0000°; N 1.0250,Plg14.0000°,Azm312.0000°; P -5.5790,Plg73.0000°,Azm166.0000° M_o5.06600×10^{16}

(248) Philippine Islands region

ISC	**IX**	**01 09 01 01.3–.47**	**10.30N–.05**	**126.87E–.06**	**20**	**4.5b,3.0s**	**53**	**2-146**
IDC	IX	01 09 00 58.2–.48	10.32N	126.91E	0	4.4,4.3b		**¶601794273**
ISCJB	IX	01 09 00 59.9–.38	10.39N–.04	126.92E–.04	20	4.4b,3.0s		
MAN	IX	01 09 01 01.2	10.48N	126.94E	54	5.5b,4.8s		
NEIC	IX	01 09 01 03.6–.36	10.36N	126.97E	35	4.6b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.6km az=150.7.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.9km az=88.0.

(248) Philippine Islands region

ISC	**IX**	**01 12 27 18.0–.53**	**10.42N–.03**	**127.00E–.05**	**24–3**	**4.8b,3.5s**	**272**	**2-154**
IDC	IX	01 12 27 13.9–.38	10.38N	126.92E	0	4.6,4.6b		**¶601670026**
ISCJB	IX	01 12 27 15.8–1.1	10.41N–.02	126.99E–.03	21–7	4.7b,3.6s		
MAN	IX	01 12 27 15.9	10.61N	127.06E	42	5.8b,5.2s		
BJI	IX	01 12 27 16.8	10.28N	127.11E	35	4.8b,4.8b		
MOS	IX	01 12 27 16.4–.99	10.32N	126.96E	29	5.2b,4.8b		
DJA	IX	01 12 27 18.3–.40	11N–3.0	127E–3.0	43–5	5.4,5.2b		
NEIC	IX	01 12 27 19.3–.18	10.36N	126.94E	35	4.8b,5.2b		
KLM	IX	01 12 27 20.0	10.35N	127.11E	50	5.0b,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=9.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=1.1.
MOS Error ellipse: s-maj=11.9km s-min=5.8km az=111.4.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=87.0.

(173) Tonga Islands

ISC	**IX**	**01 19 46 07.0–.67**	**21.66S–.05**	**174.51W–.06**	**30–4**	**5.1b,5.0s**	**390**	**5-171**
MOS	IX	01 19 46 01.4–.99	21.57S	174.60W	33	5.0b,5.0s		**¶601670038**
IDC	IX	01 19 46 02.3–.38	21.56S	174.46W	0	5.3L,4.9		
ISCJB	IX	01 19 46 03.4–2.1	21.61S–.04	174.59W–.04	15–14	5.0b,5.0s		
GCMT	IX	01 19 46 06.9–.10	21.81S–.01	173.81W–.01	16–0	5.3W,5.0s		
NEIC	IX	01 19 46 07.9–1.3	21.62S	174.55W	39–11	5.2b,5.0s		
BJI	IX	01 19 46 08.3	21.34S	173.97W	57	5.5b,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=9.2km az=70.3.
IDC Error ellipse: s-maj=14.6km s-min=11.9km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=142.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c150; s128,c225;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.25±.01; $M_{\phi\phi}$-0.68±.01; $M_{r\theta}$0.53±.04; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.59±.04; Best double couple: NP1:ϕ_s38.00000°,δ65.00000°,λ96.00000°. NP2:ϕ_s204.00000°,δ25.00000°,λ77.00000°. Principal axes: T 1.2350,Plg69.0000° ,Azm320.0000°; N -0.0360,Plg5.0000°,Azm215.0000°; P -1.1990,Plg20.0000° ,Azm123.0000° M_o1.21700×10^{17}
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=139.0.

(248) Philippine Islands region

ISC	**IX**	**02 07 32 15.3–.66**	**10.33N–.03**	**126.51E–.05**	**50–5**	**4.6b,4.0s**	**229**	**2-165**
IDC	IX	02 07 32 08.0–.39	10.26N	126.35E	0	4.5,4.5b		**¶601670442**
MAN	IX	02 07 32 08.7	10.34N	126.64E	1	5.5b,4.8s		
ISCJB	IX	02 07 32 13.0–.61	10.29N–.03	126.52E–.04	48–5	4.6b,4.0s		
MOS	IX	02 07 32 12.0–1.2	10.24N	126.39E	39	4.9b,4.0s		
NEIC	IX	02 07 32 13.3–.18	10.30N	126.52E	35	4.7b,4.0s		
BJI	IX	02 07 32 14.8	10.29N	126.38E	59	4.9b,4.7b		
DJA	IX	02 07 32 22.9–.80	10N–5.0	126E–7.0	130–10	5.5,5.1b		

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

(643) Svalbard region

ISC	**IX**	**02 12 44 03.4–.47**	**78.47N–.03**	**7.00E–.03**	**8–2**	**5.2b,4.9s**	**1678**	**1-150**
BJI	IX	02 12 44 00.0	78.40N	6.80E	5	5.6s,5.3		**¶601670454**
IDC	IX	02 12 44 01.8–.29	78.41N	6.87E	0	4.8,4.8		
MOS	IX	02 12 44 01.5–.90	78.46N	6.81E	10	5.4b,4.7s		
GCMT	IX	02 12 44 02.5–.10	78.42N–.01	6.59E–.03	12	5.4W,4.7s		
NAO	IX	02 12 44 02.6–1.6	78.37N	8.10E		5.0L,4.7s		
ISCJB	IX	02 12 44 02.2–.07	78.45N–.01	6.48E–.06	14	5.2b,4.8s		
BER	IX	02 12 44 03.6–4.1	78.57N	7.34E	10	5.0L,4.5L		
NEIC	IX	02 12 44 03.5–.07	78.43N	6.76E	10	5.2b,4.5L		

ISC Event type se.
IDC Error ellipse: s-maj=8.5km s-min=6.6km az=35.0.
MOS Error ellipse: s-maj=18.8km s-min=3.0km az=92.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c158; s134,c260;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.02 $M_{\theta\theta}$-0.73±.02; $M_{\phi\phi}$1.40±.02; $M_{r\theta}$0.18±.06; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.37±.05; Best double couple: NP1:ϕ_s339.00000°,δ74.00000°,λ-153.00000°. NP2:ϕ_s241.00000°,δ64.00000°,λ-18.00000°. Principal axes: T 1.7220,Plg7.0000° ,Azm108.0000°; N -0.5320,Plg59.0000°,Azm6.0000°; P -1.1900,Plg30.0000°,Azm202.0000° M_o1.45600×10^{17}
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.1km s-min=1.2km az=137.4.
BER Error ellipse: s-maj=14.7km s-min=54.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.2km az=56.0.

(248) Philippine Islands region

ISC	**IX**	**02 14 42 15.4–.41**	**11.31N–.03**	**126.71E–.04**	**32–2**	**5.3b,4.2s**	**1047**	**1-170**
IDC	IX	02 14 42 10.7–.27	11.32N	126.65E	0	5.1,5.1		**¶601670458**
BJI	IX	02 14 42 10.7	11.03N	127.00E	33	5.2b,5.0b		
MAN	IX	02 14 42 13.1	11.41N	126.70E	27	5.9b,5.4s		
ISCJB	IX	02 14 42 14.2–.10	11.33N–.01	126.69E–.02	35	5.2b,4.2s		
MOS	IX	02 14 42 14.4–.94	11.34N	126.63E	35	5.5b,4.2s		
GCMT	IX	02 14 42 15.5–.20	11.40N–.01	126.75E–.01	12	5.2W,4.2s		
NEIC	IX	02 14 42 15.5–.08	11.31N	126.65E	35	5.4b,4.2s		
KLM	IX	02 14 42 16.0	11.32N	126.81E	46	5.3b,4.2s		
DJA	IX	02 14 42 16.4–.50	11N–2.0	127E–2.0	35–4	5.8,5.5b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c81; s116,c190;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.27±.11 $M_{\theta\theta}$1.11±.10; $M_{\phi\phi}$5.15±.11; $M_{r\theta}$1.46±.40; $M_{\theta\phi}$-3.22±.08; $M_{\phi r}$-0.51±.33; Best double couple: NP1:ϕ_s321.00000°,δ51.00000° ,λ-103.00000°. NP2:ϕ_s161.00000°,δ41.00000°,λ-75.00000°. Principal axes: T 7.0320,Plg5.0000°,Azm60.0000°; N -0.4920,Plg10.0000°,Azm330.0000° ; P -6.5490,Plg79.0000°,Azm177.0000° M_o6.79000×10^{16}
NEIC Event type se.

(248) Philippine Islands region

ISC	**IX**	**02 17 53 34.5–.66**	**10.99N–.03**	**126.73E–.06**	**48–5**	**4.8b,3.9s**	**302**	**1-165**
IDC	IX	02 17 53 27.7–.36	10.92N	126.60E	0	4.6,4.6b		**¶601670466**
MAN	IX	02 17 53 28.3	11.00N	126.87E	26	5.6b,5.0s		
ISCJB	IX	02 17 53 29.6–.00	10.99N–.02	126.72E–.03	22–7	4.7b,3.9s		
MOS	IX	02 17 53 31.6–1.0	11.04N	126.57E	33	5.1b,3.9s		
GCMT	IX	02 17 53 31.9–.30	10.91N–.04	126.71E–.03	16–1	4.8W,3.9s		
BJI	IX	02 17 53 32.3	10.84N	126.88E	59	5.1b,4.9b		
NEIC	IX	02 17 53 32.9–.19	10.93N	126.70E	35	4.9b,4.9b		
DJA	IX	02 17 53 42.5–2.7	11N–16	126E–14	47–15	5.2b,4.6b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s66,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.20 $M_{\theta\theta}$0.65±.10; $M_{\phi\phi}$1.63±.13; $M_{r\theta}$-0.49±.38; $M_{\theta\phi}$-0.71±.05; $M_{\phi r}$0.34±.28; Best double couple: NP1:ϕ_s146.00000°,δ52.00000°,λ-97.00000°. NP2:ϕ_s338.00000°,δ38.00000°,λ-81.00000°. Principal axes: T 2.0690,Plg7.0000° ,Azm241.0000°; N 0.3000,Plg6.0000°,Azm151.0000°; P -2.3730,Plg81.0000°,Azm21.0000° M_o2.22100×10^{16}
NEIC Event type se.

(248) Philippine Islands region

ISC	**IX**	**02 18 30 12.8–1.5**	**10.63N–.04**	**126.94E–.05**	**26–10**	**4.7b,3.6s**	**293**	**2-164**
IDC	IX	02 18 30 08.5–.36	10.53N	126.87E	0	4.7,4.6		**¶601670468**
BJI	IX	02 18 30 08.2	10.25N	127.00E	27	5.0b,4.8b		
MAN	IX	02 18 30 09.2	10.69N	127.06E	54	5.7b,5.0s		

ISCJB	IX	02 18 30 11.8–.16	10.54N–.02	126.92E–.03	33	4.6b,3.8s			
MOS	IX	02 18 30 11.5–1.0	10.50N	126.88E	32	5.1b,3.8s			
NEIC	IX	02 18 30 13.5–.18	10.55N	126.91E	35	4.9b,3.8s			
DJA	IX	02 18 30 14.8–.70	10N–4.0	127E–4.0	37–6	5.3,5.2b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
	(248) Philippine Islands region								
ISC	**IX**	**02 18 54 27.6–.41**	**10.61N–.04**	**126.87E–.07**	**20**	**4.7b,4.1s**	**177**	**2-146**	
IDC	IX	02 18 54 24.5–.49	10.47N	126.75E	0	4.4,4.4b	**¶601671981**		
ISCJB	IX	02 18 54 25.6–.25	10.58N–.03	126.91E–.04	20	4.5b,4.1s			
MAN	IX	02 18 54 26.5	10.69N	126.95E	33	5.6b,4.9s			
MOS	IX	02 18 54 27.5–.94	10.48N	126.74E	33	5.0b,4.9s			
BJI	IX	02 18 54 28.2	10.44N	126.91E	49	4.9b,4.7b			
DJA	IX	02 18 54 29.2–3.6	11N–10	127E–10	25–24	6.1b,5.7			
NEIC	IX	02 18 54 29.4–.29	10.52N	126.77E	35	4.7b,5.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.3km s-min=10.8km az=75.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=177.7.								
MOS	Error ellipse: s-maj=17.6km s-min=6.8km az=120.8.								
NEIC	Event type se. Error ellipse: s-maj=13.0km s-min=5.2km az=75.0.								
	(248) Philippine Islands region								
ISC	**IX**	**03 02 14 42.7–.41**	**10.32N–.02**	**126.51E–.03**	**32–2**	**5.0b,4.8s**	**786**	**1-172**	
MAN	IX	03 02 14 35.3	10.43N	126.90E	7	5.8b,5.3s	**¶601671995**		
IDC	IX	03 02 14 37.9–.28	10.30N	126.30E	0	4.9,4.8			
BJI	IX	03 02 14 38.7	9.97N	126.58E	39	5.2b,5.1s			
ISCJB	IX	03 02 14 41.9–.14	10.40N–.01	126.51E–.02	39	5.0b,4.7s			
MOS	IX	03 02 14 43.8–1.1	10.33N	126.28E	35	5.4b,4.7s			
NEIC	IX	03 02 14 43.3–.15	10.34N	126.39E	35	5.1b,4.7s			
GCMT	IX	03 02 14 43.3–.20	10.35N–.01	126.63E–.01	16–0	5.3W,4.7s			
DJA	IX	03 02 14 46.9–.30	10N–2.0	127E–2.0	75–3	6.0,5.6b			
KLM	IX	03 02 14 51.0	10.27N	126.66E	127	5.3b,5.6b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=12.0km s-min=7.8km az=76.0.								
ISCJB	Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=1.5.								
MOS	Error ellipse: s-maj=8.7km s-min=4.2km az=114.2.								
NEIC	Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=79.0. Felt [I PIVS] at Surigao, Mindanao.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c111; s122,c212;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.05±.01; $M_{\phi\phi}$-0.74±.02; $M_{r\theta}$-0.07±.04; $M_{\theta\phi}$0.07±.01; $M_{\theta r}$0.69±.05; Best double couple: NP1:ϕ_s355.00000°,δ66.00000°,λ90.00000°. NP2:ϕ_s174.00000°,δ24.00000°,λ90.00000°. Principal axes: T 1.0630,Plg69.0000° ,Azm265.0000°; N -0.0470,Plg0.0000°,Azm174.0000°; P -1.0160,Plg21.0000°,Azm84.0000° M_o1.04000×10^{17}								
	(248) Philippine Islands region								
ISC	**IX**	**03 03 11 31.2–.28**	**10.32N–.03**	**126.62E–.05**	**39–3**	**4.7b,4.4s**	**388**	**1-168**	
BJI	IX	03 03 11 24.7	9.82N	126.71E	35	5.0b,4.8b	**¶601671997**		
IDC	IX	03 03 11 25.4–.33	10.29N	126.32E	0	4.7,4.7b			
DJA	IX	03 03 11 25.9–.90	11N–2.0	127E–3.0	29–7	5.9,5.7b			
MAN	IX	03 03 11 26.1	10.41N	126.91E	47	5.5b,4.8s			
ISCJB	IX	03 03 11 30.1–.50	10.36N–.02	126.54E–.03	43–4	4.7b,4.4s			
MOS	IX	03 03 11 30.1–1.3	10.33N	126.34E	42	5.0b,4.4s			
NEIC	IX	03 03 11 31.2–.22	10.37N	126.42E	35	4.9b,4.4s			
GCMT	IX	03 03 11 31.2–.20	10.31N–.02	126.65E–.02	17–0	5.1W,4.4s			
KLM	IX	03 03 11 32.0	10.35N	126.45E	49	4.8b,4.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=14.8km s-min=8.8km az=77.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=172.7.								
MOS	Error ellipse: s-maj=12.1km s-min=5.2km az=123.2.								
NEIC	Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=81.0.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c54; s107,c159;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.17±.20 $M_{\theta\theta}$-0.45±.10; $M_{\phi\phi}$-3.72±.14; $M_{r\theta}$-0.21±.29; $M_{\theta\phi}$0.62±.06; $M_{\theta r}$3.24±.30; Best double couple: NP1:ϕ_s354.00000°,δ65.00000°,λ93.00000°. NP2:ϕ_s166.00000°,δ26.00000°,λ83.00000°. Principal axes: T 5.3300,Plg70.0000° ,Azm270.0000°; N -0.3530,Plg3.0000°,Azm172.0000°; P -4.9760,Plg19.0000°,Azm81.0000° M_o5.15300×10^{16}								
	(259) Mindanao								
ISC	**IX**	**03 06 49 54.1–.24**	**6.58N–.02**	**123.79E–.03**	**39–1**	**5.4b,5.4s**	**1177**	**1-173**	
MAN	IX	03 06 49 46.6	6.54N	123.58E	1	6.2b,5.9s	**¶601672002**		
BJI	IX	03 06 49 46.5	6.42N	124.17E	14	5.7s,5.6b			
ISCJB	IX	03 06 49 49.7–.44	6.57N–.01	123.84E–.02	19–3	5.3s,5.3b			
NEIC	IX	03 06 49 49.7–.10	6.61N	123.88E	12	5.8W,5.8W			
NEIC	IX	03 06 49 49.0–.00	6.75N	123.89E	17	5.8W,5.8W			
MOS	IX	03 06 49 50.3–.95	6.61N	123.84E	25	5.6b,5.3s			
GCMT	IX	03 06 49 52.7–.10	6.68N–.01	123.76E	12–0	5.9W,5.3s			
DJA	IX	03 06 49 52.6–.70	7N–2.0	124E–1.0	19–5	6.0b,6.0			
IDC	IX	03 06 49 56.2–1.5	6.57N	123.83E	61–14	5.2s,5.2			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=178.5.								
NEIC	Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=75.0. Felt [IV PIVS] at Cotabato; [III PIVS] in Datu Hoffer Ampatuan and Datu Unsay; [II PIVS] at Isulan, Kidapawan and Zamboanga City. Felt [IV] at General Santos and [II] at Davao. Also felt at Alabel, Kalamansig, Polomolok and Santa Cruz. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}4.28 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-4.08 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.49 $M_{\theta r}$-5.84 Best double couple: NP1:ϕ_s181.00000°,δ72.00000°,λ87.00000°. NP2:ϕ_s12.00000° ,δ18.00000°,λ101.00000°. Principal axes: T 7.2900,Plg63.0000°,Azm86.0000° ; N -0.1900,Plg3.0000°,Azm182.0000°; P -7.1100,Plg27.0000°,Azm274.0000° M_o7.20000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s20.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s200.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm110.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm290.0000°								
NEIC	Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}4.19 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-3.93 $M_{r\theta}$-0.86 $M_{\theta\phi}$-0.18 $M_{\theta r}$-4.45 Best double couple: NP1:ϕ_s189.00000° ,δ69.00000°,λ94.00000°. NP2:ϕ_s358.00000°,δ21.00000°,λ80.00000°. Principal axes: T 6.2300,Plg65.0000°,Azm105.0000°; N -0.2900,Plg3.0000°,Azm7.0000° ; P -5.9400,Plg24.0000°,Azm275.0000° M_o6.10000×10^{17}								
MOS	Error ellipse: s-maj=7.6km s-min=4.2km az=111.4.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c270; s151,c462; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.96±.05 $M_{\theta\theta}$0.21±.04; $M_{\phi\phi}$-5.17±.04; $M_{r\theta}$-1.11±.11; $M_{\theta\phi}$-0.29±.03; $M_{\theta r}$-6.16±.19; Best double couple: NP1:ϕ_s189.00000° ,δ71.00000°,λ94.00000°. NP2:ϕ_s357.00000°,δ20.00000°,λ79.00000°. Principal axes: T 7.9700,Plg64.0000°,Azm105.0000°; N 0.1750,Plg4.0000°,Azm7.0000° ; P -8.1460,Plg25.0000°,Azm276.0000° M_o8.05800×10^{17}								
IDC	Error ellipse: s-maj=10.3km s-min=7.4km az=75.0.								
	(259) Mindanao								
ISC	**IX**	**03 08 49 23.7–1.1**	**6.58N–.03**	**123.82E–.03**	**15–6**	**4.7b,4.0s**	**309**	**1-173**	
MAN	IX	03 08 49 20.8	6.56N	123.66E	1	5.6b,4.9s	**¶601672004**		
IDC	IX	03 08 49 21.0–.48	6.51N	123.79E	0	4.9L,4.5			
BJI	IX	03 08 49 21.1	6.56N	124.21E	14	4.9b,4.7b			
NEIC	IX	03 08 49 22.8–.21	6.56N	123.86E	10	5.0b,4.7b			
MOS	IX	03 08 49 23.8–.95	6.61N	123.88E	27	4.9b,4.7b			
ISCJB	IX	03 08 49 24.0–.60	6.52N–.02	123.86E–.03	29–4	4.6b,4.0s			
DJA	IX	03 08 49 25.0–.20	6N–3.0	124E–2.0	10	5.2b,5.1			
GCMT	IX	03 08 49 27.8–.30	6.71N–.03	123.71E–.02	28–0	5.1W,5.1			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c31; s77,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.18±.30 $M_{\theta\theta}$-1.16±.17; $M_{\phi\phi}$-4.01±.18; $M_{r\theta}$-0.36±.24; $M_{\theta\phi}$0.75±.09; $M_{\theta r}$-2.60±.24; Best double couple: NP1:ϕ_s175.00000°,δ59.00000°,λ98.00000°. NP2:ϕ_s340.00000°,δ32.00000°,λ77.00000°. Principal axes: T 5.9070,Plg74.0000° ,Azm107.0000°; N -1.0910,Plg7.0000°,Azm351.0000°; P -4.8060,Plg14.0000° ,Azm260.0000° M_o5.35600×10^{16}								
	(259) Mindanao								
ISC	**IX**	**03 13 21 03.6–1.0**	**7.82N–.03**	**124.91E–.03**	**7–7**	**3.8b,3.3s**	**58**	**0-94**	
IDC	IX	03 13 21 02.8–.77	7.67N	124.59E	0	4.0,3.8b	**¶601710328**		
ISCJB	IX	03 13 21 03.9–.44	7.88N–.03	125.00E–.04	20–3	3.8b,3.4s			
MAN	IX	03 13 21 03.5	7.90N	124.89E	3	5.5b,4.8s			
NEIC	IX	03 13 21 04.5–1.6	7.75N	124.88E	14–10	4.1b,4.8s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=26.6km s-min=10.5km az=44.0.								
ISCJB	Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=162.9.								
NEIC	Event type fe. Error ellipse: s-maj=13.2km s-min=6.7km az=72.0. Felt [III PIVS] at Maramag and Mount Musuan and [II PIVS] at Malaybalay and Valencia.								
	(282) South of Jawa								
ISC	**IX**	**03 14 48 06.0–.45**	**10.93S–.06**	**113.98E–.06**	**35**	**4.4b,3.5s**	**96**	**2-153**	
IDC	IX	03 14 48 01.2–.61	10.75S	113.94E	0	4.4,4.4L	**¶601672869**		
NEIC	IX	03 14 48 02.9–.33	10.72S	113.95E	10	4.6b,4.4L			
ISCJB	IX	03 14 48 03.9–.34	10.87S–.04	113.88E–.03	33	4.5b,3.7s			
DJA	IX	03 14 48 03.9–.60	11S–6.0	114E–2.0	10	6.2b,5.8			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
	(282) South of Jawa								
ISC	**IX**	**03 18 23 08.4–.54**	**10.68S–.02**	**113.97E–.02**	**35–2**	**6.4b,6.0s**	**2425**	**2-179**	
IDC	IX	03 18 23 03.3–.22	10.71S	113.94E	0	6.1,6.1b	**¶601672874**		
BJI	IX	03 18 23 03.6	10.77S	113.92E	15	6.6b,6.3s			
NEIC	IX	03 18 23 04.5–.00	11.01S	113.93E	11	6.6b,6.3s			
MOS	IX	03 18 23 04.6–.84	10.67S	114.00E	22	6.4b,5.9s			
DJA	IX	03 18 23 04.9–.60	11S–1.0	114E–1.0	12–4	6.7,6.7b			
ISCJB	IX	03 18 23 04.9–.46	10.72S–.02	113.94E–.01	23–3	6.3b,6.0s			
NEIC	IX	03 18 23 05.2–.10	10.71S	113.93E	14	6.7,6.4b			
GCMT	IX	03 18 23 08.2–.10	10.96S	113.91E	17–0	6.3W,6.4b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=8.7km s-min=7.5km az=44.0.								
NEIC	Event type se. Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.17 $M_{\theta\theta}$1.81 $M_{\phi\phi}$0.36 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.49 $M_{\theta r}$0.48 Best double couple: NP1:ϕ_s118.00000° ,δ47.00000°,λ-74.00000°. NP2:ϕ_s276.00000°,δ45.00000°,λ-105.00000°. Principal axes: T 1.9700,Plg0.0000°,Azm197.0000°; N 0.3000,Plg11.0000°,Azm287.0000° ; P -2.2700,Plg78.0000°,Azm102.0000° M_o2.10000×10^{18}								
MOS	Error ellipse: s-maj=6.7km s-min=4.4km az=112.1.								
ISCJB	Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=27.9.								
NEIC	Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0. Felt [IV] at Denpasar and [III] at Kuta and Ubud, Bali. Also felt at Baturiti and Gianyar. Felt [III] at Banyuwangi and Malang, Java. Also felt at Lawang and Yogyakarta. Felt at Mataram, Lombok. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}2.17 $M_{\theta\theta}$2.35 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.26 $M_{\theta r}$-0.04 Best double couple: NP1:ϕ_s275.00000°,δ55.00000°,λ-91.00000°. NP2:ϕ_s97.00000°,δ35.00000°,λ-88.00000°. Principal axes: T 2.5200,Plg10.0000° ,Azm6.0000°; N -0.2100,Plg1.0000°,Azm275.0000°; P -2.3100,Plg80.0000°,Azm180.0000° M_o2.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s123.00000°,δ46.00000°,λ-36.00000°. NP2:ϕ_s240.00000°,δ65.00000°,λ-130.00000°. Principal axes: T Plg11.0000°,Azm358.0000°; N Plg0.0000°,Azm0.0000°; P Plg52.0000° ,Azm102.0000°								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c328; s145,c611; Duration: 3s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.07±.02 $M_{\theta\theta}$3.37±.02; $M_{\phi\phi}$-0.29±.02; $M_{r\theta}$1.12±.04; $M_{\theta\phi}$-1.17±.01; $M_{\theta r}$0.29±.05; Best double couple: NP1:ϕ_s275.00000°,δ54.00000° ,λ-105.00000°. NP2:ϕ_s119.00000°,δ38.00000°,λ-70.00000°. Principal axes: T 3.8560,Plg8.0000°,Azm15.0000°; N -0.5120,Plg12.0000°,Azm283.0000° ; P -3.3400,Plg75.0000°,Azm139.0000° M_o3.59800×10^{18}								
	(259) Mindanao								
ISC	**IX**	**03 19 44 23.3–.42**	**7.88N–.02**	**125.02E–.03**	**15–2**	**5.5b,5.4s**	**900**	**0-172**	
BJI	IX	03 19 44 18.6	7.74N	125.28E	10	5.6b,5.5s	**¶601673031**		
IDC	IX	03 19 44 21.1–.30	7.91N	125.03E	0	5.1b,5.1			
ISCJB	IX	03 19 44 21.2–.46	7.90N–.01	125.09E–.02	11–2	5.3s,5.3b			
MAN	IX	03 19 44 22.2	7.91N	124.88E	5	6.1b,5.7s			
NEIC	IX	03 19 44 22.4–.13	7.91N	125.04E	10	5.6b,5.4s			
MOS	IX	03 19 44 24.6–.95	7.90N	124.98E	33	5.5b,5.2s			
GCMT	IX	03 19 44 24.4–.10	7.95N–.01	125.00E–.01	15–0	5.7W,5.2s			
DJA	IX	03 19 44 24.5–.20	8N–2.0	125E–2.0	10	6.1,5.9b			
ISC	Event type fe.								
ISCJB	Event type fe.								
NEIC	Event type fe. Felt [VI] at Valencia, [IV] at Cagayan de Oro and Malaybalay and [III] at Davao. Felt [V PIVS] at Maramag and Mount Musuan, [IV PIVS] in Arakan, [III PIVS] at Kidapawan and [II PIVS] at Butuan and Cotabato. Also felt at Don Carlos, Iligan, Initao, Lantapan, Linamon, Lumbia, Opol, Panabo and Polanco.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c108; s126,c290;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.06 $M_{\theta\theta}$3.92±.06; $M_{\phi\phi}$-3.21±.05; $M_{r\theta}$0.72±.18; $M_{\theta\phi}$0.08±.04; $M_{\theta r}$1.15±.19; Best double couple: NP1:ϕ_s226.00000°,δ81.00000°,λ-158.00000°. NP2:ϕ_s133.00000°,δ68.00000°,λ-9.00000°. Principal axes: T 4.0400,Plg9.0000° ,Azm358.0000°; N -0.3770,Plg66.0000°,Azm246.0000°; P -3.6640,Plg22.0000° ,Azm92.0000° M_o3.85200×10^{17}								
	(259) Mindanao								
ISC	**IX**	**03 19 52 26.8–1.1**	**7.81N–.02**	**124.91E–.03**	**6–7**	**4.3b**	**73**	**0-144**	
DJA	IX	03 19 52 19.0–2.6	9N–21	126E–12	10	5.8,5.4	**¶601673032**		
IDC	IX	03 19 52 25.4–.50	7.73N	124.77E	0	4.7,4.7s			
MAN	IX	03 19 52 26.2	7.84N	124.88E	1	5.5b,4.8s			
ISCJB	IX	03 19 52 27.5–.42	7.86N–.02	125.01E–.03	21–3	4.3b,4.8s			
NEIC	IX	03 19 52 28.2–1.3	7.71N	124.86E	18–8	4.8b,4.8s			
BJI	IX	03 19 52 32.5	7.83N	125.19E	37	4.5b,4.8s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=19.7km s-min=9.1km az=67.0.								
ISCJB	Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=169.5.								
NEIC	Event type fe. Error ellipse: s-maj=10.0km s-min=4.8km az=79.0. Felt [III PIVS] at Maramag, Mount Musuan and Valencia and [II PIVS] at Cagayan de Oro.								
	(248) Philippine Islands region								
ISC	**IX**	**04 00 50 52.1–.41**	**10.46N–.03**	**126.91E–.03**	**28–2**	**5.3b,4.9s**	**978**	**2-170**	
IDC	IX	04 00 50 47.6–.28	10.40N	126.82E	0	5.1,5.1b	**¶601673039**		
MAN	IX	04 00 50 47.6	10.67N	127.10E	33	5.9b,5.4s			
BJI	IX	04 00 50 48.2	10.09N	127.09E	38	5.2b,5.0b			
DJA	IX	04 00 50 48.2–1.7	11N–15	127E–8.0	10	5.8,5.6b			
ISCJB	IX	04 00 50 49.3–.64	10.44N–.02	126.91E–.02	20–4	5.2b,4.8s			
GCMT	IX	04 00 50 51.0–.10	10.45N–.01	126.91E–.01	12	5.3W,4.8s			
MOS	IX	04 00 50 51.2–.99	10.43N	126.86E	33	5.5b,4.7s			
NEIC	IX	04 00 50 53.0–.10	10.42N	126.89E	35	5.4b,4.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=12.1km s-min=7.6km az=77.0.								
ISCJB	Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=161.3.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c133; s124,c227;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13±.01 $M_{\theta\theta}$0.27±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$-0.35±.01; $M_{\theta r}$0.27±.04; Best double couple: NP1:ϕ_s152.00000°,δ54.00000°,λ-94.00000°. NP2:ϕ_s338.00000°,δ37.00000°,λ-85.00000°. Principal axes: T 1.0780,Plg9.0000° ,Azm245.0000°; N 0.1110,Plg3.0000°,Azm154.0000°; P -1.1840,Plg81.0000°,Azm45.0000° M_o1.13100×10^{17}								
MOS	Error ellipse: s-maj=7.6km s-min=3.7km az=117.8.								
NEIC	Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=80.0.								
	(282) South of Jawa								
ISC	**IX**	**04 04 27 14.5–.69**	**10.90S–.04**	**114.05E–.04**	**25–4**	**5.0b,4.0s**	**822**	**2-164**	
IDC	IX	04 04 27 11.0–.36	10.82S	113.97E	0	5.1L,4.8	**¶601673752**		
BJI	IX	04 04 27 11.3	10.90S	114.00E	11	5.0b,5.0b			
NEIC	IX	04 04 27 13.0–.15	10.84S	113.96E	10	5.0b,5.0b			
ISCJB	IX	04 04 27 14.1–.86	10.89S–.02	113.98E–.02	33–6	4.9b,4.1s			
MOS	IX	04 04 27 14.1–1.5	10.60S	113.99E	25	5.1b,4.1s			
DJA	IX	04 04 27 14.1–.70	11S–2.0	114E–1.0	27–6	5.6b,5.5			
GCMT	IX	04 04 27 15.0–.30	11.07S–.01	114.13E–.02	20–1	5.0W,5.5			
ISC	Event type fe.								
NEIC	Event type fe. Felt [II] at Denpasar, Bali.								
ISCJB	Event type fe.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c43; s77,c119;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.20 $M_{\theta\theta}$3.97±.13; $M_{\phi\phi}$-1.87±.14; $M_{r\theta}$0.79±.20; $M_{\theta\phi}$-1.24±.10; $M_{\theta r}$-1.85±.34; Best double couple: NP1:ϕ_s316.00000°,δ68.00000°,λ-44.00000°. NP2:ϕ_s65.00000°,δ50.00000°,λ-151.00000°. Principal axes: T 4.4360,Plg11.0000° ,Azm14.0000°; N -0.5870,Plg42.0000°,Azm114.0000°; P -3.8490,Plg46.0000° ,Azm273.0000° M_o4.14200×10^{16}								

(248) Philippine Islands region

ISC	**IX**	**04 06 43 00.9–.40**	**10.69N–.02**	**126.87E–.03**	**31–2**	**5.3b,4.7s**	**1144**	**2-171**
ISCJB	IX	04 06 42 56.4–.61	10.68N–.01	126.84E–.02	11–3	5.2b,4.7s		**¶601833335**
BJI	IX	04 06 42 56.9	10.44N	127.11E	35	5.2b,5.2b		
IDC	IX	04 06 42 56.0–.27	10.69N	126.79E	0	5.1,5.1		
MAN	IX	04 06 42 57.8	10.78N	126.88E	91	6.0b,5.5s		
MOS	IX	04 06 43 00.0–.96	10.68N	126.74E	33	5.6b,4.6s		
NEIC	IX	04 06 43 01.0–.71	10.67N	126.78E	33–5	5.3b,4.6s		
DJA	IX	04 06 43 01.3–.60	11N–2.0	127E–3.0	34–6	5.9,5.8b		
GCMT	IX	04 06 43 02.0–.10	10.70N–.01	126.88E–.01	12	5.3W,5.8b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c109; s126,c222;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$0.02±.05; $M_{\theta\phi}$-0.43±.01; $M_{\phi r}$0.12±.04; Best double couple: NP1:ϕ_s150.00000°,δ47.00000°,λ-85.00000°. NP2:ϕ_s322.00000°,δ43.00000°,λ-96.00000°. Principal axes: T 1.0020,Plg2.0000° ,Azm236.0000°; N 0.0760,Plg4.0000°,Azm326.0000°; P -1.0790,Plg85.0000°,Azm115.0000° $M_0$1.04000×10^{17}

(248) Philippine Islands region

ISC	**IX**	**04 06 54 59.3–.42**	**10.65N–.03**	**126.87E–.03**	**26–2**	**5.3b,4.5s**	**801**	**2-168**
BJI	IX	04 06 54 54.8	10.25N	127.04E	35	5.5b,5.2b		**¶601673758**
IDC	IX	04 06 54 54.6–.29	10.60N	126.75E	0	5.0,5.0		
ISCJB	IX	04 06 54 55.0–.69	10.66N–.02	126.84E–.02	10–4	5.2b,4.5s		
MAN	IX	04 06 54 57.9	10.75N	126.84E	30	5.2b,4.5s		
MOS	IX	04 06 54 58.2–1.2	10.61N	126.77E	31	5.5b,4.4s		
NEIC	IX	04 06 54 59.7–.85	10.63N	126.83E	32–6	5.3b,4.4s		
GCMT	IX	04 06 55 00.7–.20	10.71N–.02	126.90E–.01	12	5.2W,4.4s		
DJA	IX	04 06 55 02.8–.70	11N–3.0	127E–3.0	39–6	6.1,5.9		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c57; s121,c210;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.90±.01 $M_{\theta\theta}$0.14±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$0.08±.06; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$-0.19±.05; Best double couple: NP1:ϕ_s341.00000°,δ52.00000°,λ-91.00000°. NP2:ϕ_s164.00000°,δ38.00000°,λ-88.00000°. Principal axes: T 0.8510,Plg7.0000° ,Azm72.0000°; N 0.0760,Plg1.0000°,Azm342.0000°; P -0.9270,Plg83.0000°,Azm242.0000° $M_0$0.88900×10^{17}

(248) Philippine Islands region

ISC	**IX**	**04 06 58 01.4–.27**	**10.52N–.02**	**126.76E–.03**	**28–1**	**5.5b,4.9s**	**1113**	**2-170**
IDC	IX	04 06 57 56.8–.27	10.52N	126.70E	0	5.1,5.1		**¶601673759**
ISCJB	IX	04 06 57 58.5–.64	10.57N–.02	126.76E–.02	19–4	5.3b,4.8s		
BJI	IX	04 06 57 59.6	10.44N	126.89E	38	5.5b,5.3b		
MAN	IX	04 06 58 00.1	10.70N	126.77E	22	6.0b,5.6s		
MOS	IX	04 06 58 00.1–1.1	10.59N	126.66E	28	5.8b,4.7s		
NEIC	IX	04 06 58 02.4–.34	10.54N	126.70E	37–3	5.6b,4.9s		
DJA	IX	04 06 58 04.1–.50	11N–4.0	127E–3.0	50–5	6.1,5.9b		
GCMT	IX	04 06 58 04.4–.20	10.55N–.03	126.88E–.02	21–0	5.3W,5.9b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s106,c164;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.05 $M_{\theta\theta}$0.29±.03; $M_{\phi\phi}$0.81±.04; $M_{r\theta}$-0.12±.06; $M_{\theta\phi}$-0.17±.02; $M_{\phi r}$-0.00±.05; Best double couple: NP1:ϕ_s159.00000°,δ46.00000°,λ-97.00000°. NP2:ϕ_s349.00000°,δ44.00000°,λ-83.00000°. Principal axes: T 0.8640,Plg1.0000° ,Azm254.0000°; N 0.2530,Plg5.0000°,Azm164.0000°; P -1.1200,Plg85.0000°,Azm355.0000° $M_0$0.99200×10^{17}

(248) Philippine Islands region

ISC	**IX**	**04 09 58 09.8–.32**	**10.50N–.02**	**126.82E–.03**	**29–2**	**5.4b,5.0s**	**1142**	**2-173**
MAN	IX	04 09 58 04.0	10.55N	127.13E	101	5.8b,5.3s		**¶601673794**
IDC	IX	04 09 58 05.2–.28	10.46N	126.75E	0	5.2,5.1		
BJI	IX	04 09 58 05.3	10.19N	126.99E	33	5.4b,5.2b		
ISCJB	IX	04 09 58 08.0–.62	10.50N–.01	126.83E–.02	28–4	5.3b,4.9s		
MOS	IX	04 09 58 08.0–1.2	10.57N	126.71E	23	5.7b,4.7s		
GCMT	IX	04 09 58 09.0–.10	10.49N–.01	126.95E–.01	12	5.4W,4.7s		
NEIC	IX	04 09 58 11.0–.11	10.46N	126.77E	35	5.4b,5.0s		
DJA	IX	04 09 58 12.0–.40	10N–3.0	127E–3.0	41–4	6.0,5.7b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c113; s136,c258;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$-0.14±.01; $M_{\phi r}$-0.52±.04; Best double couple: NP1:ϕ_s2.00000°,δ56.00000°,λ-80.00000°. NP2:ϕ_s164.00000°,δ35.00000°,λ-105.00000°. Principal axes: T 1.2900,Plg10.0000° ,Azm84.0000°; N 0.2240,Plg8.0000°,Azm176.0000°; P -1.5200,Plg76.0000°,Azm304.0000° $M_0$1.40500×10^{17}
NEIC Event type se.

(282) South of Jawa

ISC	**IX**	**04 12 07 28.6–.42**	**10.80S–.03**	**113.85E–.04**	**28–2**	**5.0b,4.3s**	**850**	**2-164**
IDC	IX	04 12 07 24.7–.30	10.71S	113.92E	0	5.0L,4.9		**¶601674434**
NEIC	IX	04 12 07 26.6–.13	10.77S	113.82E	10	5.2b,4.9		
ISCJB	IX	04 12 07 27.1–.75	10.82S–.02	113.85E–.02	29–5	5.0b,4.3s		
DJA	IX	04 12 07 27.1–.90	11S–3.0	114E–2.0	28–10	5.7,5.5b		
GCMT	IX	04 12 07 27.6–.20	10.96S–.01	113.83E–.02	12	5.1W,5.5b		
BJI	IX	04 12 07 27.6	10.80S	113.80E	30	5.2b,5.0b		
MOS	IX	04 12 07 28.2–.93	10.69S	113.89E	33	5.2b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=10.0km s-min=8.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=216.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=40.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c80; s109,c179;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.41±.10 $M_{\theta\theta}$5.06±.08; $M_{\phi\phi}$0.35±.12; $M_{r\theta}$3.32±.27; $M_{\theta\phi}$-1.69±.08; $M_{\phi r}$-0.27±.36; Best double couple: NP1:ϕ_s281.00000°,δ61.00000°,λ-97.00000°. NP2:ϕ_s115.00000°,δ30.00000°,λ-78.00000°. Principal axes: T 6.4950,Plg15.0000° ,Azm16.0000°; N -0.1080,Plg6.0000°,Azm284.0000°; P -6.3810,Plg73.0000°,Azm174.0000° $M_0$6.43800×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.6km az=116.5.

(282) South of Jawa

ISC	**IX**	**04 13 31 06.6–.27**	**10.81S–.04**	**113.95E–.04**	**35**	**5.1b,4.2s**	**426**	**2-153**
BJI	IX	04 13 31 01.8	10.70S	113.90E	10	5.3b,5.0b		**¶601674440**
IDC	IX	04 13 31 02.1–.37	10.65S	113.93E	0	4.9L,4.8		
DJA	IX	04 13 31 02.5–.50	11S–5.0	114E–2.0	10	5.5b,5.3b		
ISCJB	IX	04 13 31 04.8–.21	10.74S–.03	113.88E–.02	33	5.0b,4.2s		
NEIC	IX	04 13 31 04.2–1.4	10.65S	113.91E	14–8	5.2b,4.2s		
MOS	IX	04 13 31 05.5–1.2	10.58S	113.91E	33	5.3b,4.0s		
GCMT	IX	04 13 31 06.2–.30	11.06S–.02	114.01E–.04	18–1	5.0W,4.0s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s75,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01±.23 $M_{\theta\theta}$2.74±.14; $M_{\phi\phi}$0.26±.14; $M_{r\theta}$-0.93±.25; $M_{\theta\phi}$-0.77±.08; $M_{\phi r}$-1.24±.38; Best double couple: NP1:ϕ_s85.00000°,δ54.00000°,λ-116.00000°. NP2:ϕ_s305.00000°,δ43.00000°,λ-58.00000°. Principal axes: T 3.0180,Plg6.0000° ,Azm193.0000°; N 0.6070,Plg21.0000°,Azm101.0000°; P -3.6280,Plg68.0000° ,Azm298.0000° $M_0$3.32300×10^{16}

(248) Philippine Islands region

ISC	**IX**	**04 14 43 17.9–.32**	**10.52N–.03**	**126.99E–.04**	**21–3**	**5.2b,3.9s**	**631**	**2-170**
MAN	IX	04 14 43 12.8	10.70N	127.29E	83	5.8b,5.3s		**¶601674445**
BJI	IX	04 14 43 13.4	10.26N	127.04E	17	5.1b,5.1b		
ISCJB	IX	04 14 43 14.7–.12	10.52N–.01	126.95E–.02	10	5.1b,4.1s		
IDC	IX	04 14 43 14.8–.29	10.47N	126.90E	0	5.0,5.0b		
MOS	IX	04 14 43 16.7–.98	10.49N	126.83E	22	5.5b,5.0b		
NEIC	IX	04 14 43 18.0–.98	10.50N	126.90E	22–7	5.3b,5.0b		
GCMT	IX	04 14 43 18.0–.40	10.52N–.04	126.90E–.02	14–1	4.8W,5.0b		
DJA	IX	04 14 43 20.0–.80	11N–3.0	127E–3.0	32–7	5.4,5.4b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s69,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14±.18 $M_{\theta\theta}$0.23±.09; $M_{\phi\phi}$1.91±.12; $M_{r\theta}$-0.20±.25; $M_{\theta\phi}$-0.25±.06; $M_{\phi r}$0.41±.19; Best double couple: NP1:ϕ_s168.00000°,δ51.00000°,λ-94.00000°. NP2:ϕ_s355.00000°,δ39.00000°,λ-85.00000°. Principal axes: T 1.9910,Plg6.0000° ,Azm261.0000°; N 0.2000,Plg3.0000°,Azm171.0000°; P -2.1940,Plg83.0000°,Azm53.0000° $M_0$2.09300×10^{16}

(248) Philippine Islands region

ISC	**IX**	**04 15 11 14.2–.20**	**10.66N–.03**	**126.80E–.04**	**39–2**	**5.5b,4.8s**	**968**	**2-170**
MAN	IX	04 15 11 07.9	10.80N	127.09E	28	5.9b,5.4s		**¶601734447**
IDC	IX	04 15 11 08.3–.27	10.61N	126.72E	0	5.2,5.2b		
BJI	IX	04 15 11 09.8	10.33N	126.91E	40	5.4b,5.2b		
ISCJB	IX	04 15 11 10.1–.57	10.65N–.02	126.78E–.02	22–4	5.3b,4.7s		
MOS	IX	04 15 11 11.9–.96	10.61N	126.70E	33	5.8b,4.5s		
NEIC	IX	04 15 11 13.3–.10	10.61N	126.71E	35	5.5b,4.8s		
GCMT	IX	04 15 11 13.4–.10	10.68N–.01	126.94E–.01	12	5.2W,4.8s		
DJA	IX	04 15 11 17.7–.50	10N–4.0	127E–4.0	59–6	5.7,5.6b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Davao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c95; s125,c217;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.58±.01; $M_{r\theta}$0.09±.04; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-0.25±.03; Best double couple: NP1:ϕ_s331.00000°,δ54.00000°,λ-86.00000°. NP2:ϕ_s144.00000°,δ37.00000°,λ-96.00000°. Principal axes: T 0.8390,Plg9.0000° ,Azm58.0000°; N 0.0650,Plg3.0000°,Azm148.0000°; P -0.9050,Plg81.0000°,Azm259.0000° $M_0$0.87200×10^{17}

(251) Samar

ISC	**IX**	**04 19 09 22.2–1.1**	**10.82N–.02**	**125.32E–.03**	**7–7**	**4.7b,4.0s**	**280**	**0-162**
DJA	IX	04 19 09 19.5–1.0	11N–10	126E–5.0	10	5.7,5.6b		**¶601675126**
IDC	IX	04 19 09 20.5–.53	10.69N	125.25E	0	4.4,4.3b		
ISCJB	IX	04 19 09 21.5–.16	10.90N–.02	125.40E–.02	10	4.5b,4.0s		
GCMT	IX	04 19 09 23.3–.30	10.81N–.02	125.26E–.04	17–1	4.8W,4.0s		
MAN	IX	04 19 09 23.0	10.81N	125.24E	8	5.3b,4.5s		
MOS	IX	04 19 09 25.5–1.1	10.84N	125.28E	46	4.8b,4.5s		
BJI	IX	04 19 09 25.5	11.10N	125.80E	30	4.9b,4.6b		
NEIC	IX	04 19 09 26.3–.19	10.88N	125.27E	35	4.9b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=11.4km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=174.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c12; s61,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.16 $M_{\theta\theta}$1.25±.09; $M_{\phi\phi}$0.10±.11; $M_{r\theta}$-0.19±.23; $M_{\theta\phi}$1.10±.06; $M_{\phi r}$1.38±.38; Best double couple: NP1:ϕ_s207.00000°,δ64.00000°,λ-128.00000°. NP2:ϕ_s88.00000°,δ45.00000°,λ-38.00000°. Principal axes: T 2.0290,Plg11.0000° ,Azm323.0000°; N 0.3160,Plg34.0000°,Azm225.0000°; P -2.3410,Plg54.0000°,Azm69.0000° $M_0$2.18500×10^{16}
MOS Error ellipse: s-maj=10.5km s-min=6.0km az=118.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.9km az=88.0.

(282) South of Jawa

ISC	**IX**	**04 21 19 34.1–.28**	**10.82S–.04**	**113.93E–.04**	**35**	**4.9b,4.4s**	**556**	**2-154**
BJI	IX	04 21 19 27.6	10.80S	114.00E	5	5.3b,4.8b		**¶601675132**
IDC	IX	04 21 19 29.1–.38	10.73S	113.99E	0	5.7L,4.8		
NEIC	IX	04 21 19 31.4–1.6	10.79S	113.99E	15–10	4.9b,4.8		
DJA	IX	04 21 19 31.6–1.4	11S–5.0	114E–2.0	24–15	5.5b,5.4		
MOS	IX	04 21 19 32.9–.95	10.69S	114.07E	38	5.1b,5.4		
GCMT	IX	04 21 19 32.4–.20	10.99S–.01	113.93E–.02	13–0	5.1W,5.4		
ISCJB	IX	04 21 19 32.2–.20	10.80S–.03	113.96E–.02	33	4.8b,4.3s		

ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c63; s92,c151;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.18 $M_{\theta\theta}$5.63±.13; $M_{\phi\phi}$-2.67±.15; $M_{r\theta}$1.75±.30; $M_{\theta\phi}$-1.13±.09; $M_{\phi r}$2.06±.43; Best double couple: NP1:ϕ_s244.00000°,δ67.00000°,λ-136.00000°. NP2:ϕ_s133.00000°,δ50.00000°,λ-31.00000°. Principal axes: T 6.0350,Plg10.0000° ,Azm5.0000°; N -0.7680,Plg42.0000°,Azm266.0000°; P -5.2670,Plg47.0000°,Azm106.0000° $M_0$5.65100×10^{16}
ISCJB Event type se.

(248) Philippine Islands region

ISC	**IX**	**04 23 12 40.0–.57**	**10.61N–.04**	**126.86E–.08**	**39–7**	**4.4b**	**78**	**2-154**
IDC	IX	04 23 12 34.1–.48	10.52N	126.80E	0	4.4,4.3b		**¶601675403**
ISCJB	IX	04 23 12 36.9–1.8	10.62N–.03	126.85E–.04	29–12	4.3b,4.3b		
MAN	IX	04 23 12 37.2	10.68N	126.88E	46	5.6b,5.0s		
NEIC	IX	04 23 12 39.4–.27	10.53N	126.76E	35	4.5b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=11.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=169.2.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=72.0.

(248) Philippine Islands region

ISC	**IX**	**05 00 35 29.3–.73**	**11.61N–.03**	**126.76E–.04**	**26–4**	**5.1b,4.5s**	**765**	**1-174**
IDC	IX	05 00 35 25.2–.27	11.60N	126.68E	0	5.1,5.1b		**¶601675138**
ISCJB	IX	05 00 35 26.8–.76	11.65N–.02	126.75E–.02	19–5	5.1b,4.5s		
BJI	IX	05 00 35 26.4	11.40N	127.02E	36	5.3b,5.0b		
MOS	IX	05 00 35 27.4–.96	11.61N	126.70E	25	5.5b,5.0b		
MAN	IX	05 00 35 28.6	11.64N	126.49E	4	5.8b,5.3s		
GCMT	IX	05 00 35 29.5–.10	11.72N–.01	126.74E–.01	12	5.3W,5.3s		
NEIC	IX	05 00 35 30.4–.46	11.60N	126.71E	35–4	5.0b,5.3s		
DJA	IX	05 00 35 32.6–.40	12N–3.0	127E–3.0	53–4	6.2,5.8		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c126; s128,c233;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.02 $M_{\theta\theta}$0.09±.01; $M_{\phi\phi}$1.05±.01; $M_{r\theta}$0.14±.05; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$-0.00±.04; Best double couple: NP1:ϕ_s328.00000°,δ47.00000° ,λ-100.00000°. NP2:ϕ_s163.00000°,δ44.00000°,λ-79.00000°. Principal axes: T 1.3110,Plg1.0000°,Azm65.0000°; N -0.1500,Plg7.0000°,Azm335.0000° ; P -1.1690,Plg82.0000°,Azm166.0000° $M_0$1.24000×10^{17}
NEIC Event type se.

(184) Santa Cruz Islands

ISC	**IX**	**05 13 09 10.4–.41**	**12.54S–.04**	**166.50E–.03**	**27–2**	**5.8s,5.7b**	**1158**	**7-170**
BJI	IX	05 13 09 05.7	12.56S	166.51E	10	6.0b,6.0s		**¶604029774**
NEIC	IX	05 13 09 09.0–.00	12.40S	166.10E	21	6.0b,6.0s		
MOS	IX	05 13 09 09.0–1.2	12.48S	166.48E	26	5.8s,5.7b		
IDC	IX	05 13 09 09.5–1.5	12.52S	166.50E	19–8	5.6,5.6s		
ISCJB	IX	05 13 09 09.9–1.1	12.49S–.02	166.50E–.02	33–7	5.8s,5.7b		
NEIC	IX	05 13 09 10.1–.10	12.48S	166.51E	27	6.0W,6.0W		
GCMT	IX	05 13 09 16.1–.10	12.58S–.01	166.14E	34–0	6.0W,6.0W		
NEIC	IX	05 13 09 29.9–.00	12.74S	166.43E	40	6.0W,6.0W		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.45 Best double couple: NP1:ϕ_s357.00000° ,δ54.00000°,λ-51.00000°. NP2:ϕ_s123.00000°,δ51.00000°,λ-130.00000°. Principal axes: T 1.1300,Plg1.0000°,Azm60.0000°; N 0.3600,Plg30.0000°,Azm151.0000° ; P -1.5000,Plg59.0000°,Azm327.0000° $M_0$1.40000×10^{18}
MOS Error ellipse: s-maj=6.2km s-min=5.8km az=40.4.
IDC Error ellipse: s-maj=10.8km s-min=8.4km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=0.5.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=159.0. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.07 $M_{\theta\theta}$0.37 $M_{\phi\phi}$6.70 $M_{r\theta}$-3.58 $M_{\theta\phi}$-5.50 $M_{\phi r}$-1.75 Best double couple: NP1:ϕ_s357.00000°,δ52.00000°,λ-49.00000°. NP2: ϕ_s123.00000°,δ54.00000°,λ-130.00000°. Principal axes: T 9.8900,Plg1.0000°,Azm240.0000° ; N -0.4400,Plg31.0000°,Azm149.0000°; P -9.4500,Plg59.0000°,Azm331.0000° $M_0$9.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c305; s143,c428; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.17±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$-0.65±.01; $M_{\theta\phi}$-0.59±.01; $M_{\phi r}$-0.22±.01; Best double couple: NP1:ϕ_s122.00000° ,δ56.00000°,λ-126.00000°. NP2:ϕ_s354.00000°,δ48.00000°,λ-49.00000°. Principal axes: T 1.1720,Plg5.0000°,Azm237.0000°; N 0.1910,Plg29.0000°,Azm144.0000°

; P -1.3630,Plg60.0000°,Azm335.0000° $M_0$1.26700×10^{18}
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.17 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.98 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.64 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s130.00000° ,δ44.00000°,λ-124.00000°. NP2:ϕ_s353.00000°,δ55.00000°,λ-62.00000°. Principal axes: T 1.3600,Plg6.0000°,Azm63.0000°; N 0.0500,Plg23.0000°,Azm155.0000° ; P -1.4100,Plg66.0000°,Azm320.0000° $M_0$1.40000×10^{18}

(78) Costa Rica

ISC	**IX**	**05 14 42 07.7–.21**	**10.02N–.02**	**85.39W–.03**	**21–2**	**7.7s,6.6b**	**2660**	**0-177**
UCR	IX	05 14 42 04.9–1.9	9.84N	85.47W	1–8	5.9L,5.9		**¶601675877**
ISCJB	IX	05 14 42 05.5–.10	10.21N–.01	85.38W–.01	21	7.7s,6.5b		
NEIC	IX	05 14 42 07.8–.15	10.09N	85.32W	35	7.7s,7.6		
BJI	IX	05 14 42 07.6	10.08N	85.52W	34	7.9,7.9s		
MOS	IX	05 14 42 08.7–1.3	10.39N	85.33W	36	7.7s,6.5b		
NEIC	IX	05 14 42 10.0–.00	9.92N	85.14W	30	7.7s,6.5b		
IDC	IX	05 14 42 10.5–.57	10.52N	85.13W	31–4	7.5,7.5s		
GCMT	IX	05 14 42 22.9–.10	10.00N–.01	85.64W–.01	30–0	7.6W,7.5s		
NEIC	IX	05 14 42 35.4–.00	9.97N	85.16W	35	7.6W,7.5s		

ISC Event type de.
UCR Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=1.4km az=43.4.
NEIC Event type de. Error ellipse: s-maj=3.7km s-min=2.4km az=213.0. One person killed, one died of a heart attack, at least 20 injured, some houses collapsed, one bridge damaged and landslides occurred in Guanacaste and western Puntarenas. Power and communications outages occurred. Felt [VIII] at Nicoya; [VII] at Liberia, Santa Cruz and Sardinal; [VI] at Alajuela, Calle Blancos, Grecia, Heredia, Jaco, San Francisco, San Isidro de El General, San Jose and San Pedro. Felt throughout Costa Rica. Also felt in parts of Belize, El Salvador, Guatemala, Honduras, Mexico, Nicaragua and Panama. A small tsunami was recorded on tide stations in the Galapagos Islands, Ecuador with the following amplitudes [one-half peak-to-trough]: 16 cm on Isla Santa Cruz and 6 cm on Isla Baltra. Complex earthquake observed on broadband displacement records, with at least one larger event occurring about 4 seconds after the onset. Depths 35 and 31 kms, respectively, from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$2.10000×10^{20} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s110.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm20.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000° ,Azm200.0000°
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=92.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ71.00000°,λ85.00000°. NP2: ϕ_s310.00000°,δ20.00000°,λ104.00000°. Principal axes: T Plg64.0000°,Azm17.0000° ; N Plg5.0000°,Azm117.0000°; P Plg26.0000°,Azm209.0000°
NEIC Event type se. Moment Tensor Solution. s41 Moment tensor: Scale 10^{20}Nm; M_{rr}1.71 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-0.45 $M_{r\theta}$2.00 $M_{\theta\phi}$0.73 $M_{\phi r}$-1.29 Best double couple: NP1:ϕ_s122.00000° ,δ72.00000°,λ91.00000°. NP2:ϕ_s299.00000°,δ18.00000°,λ86.00000°. Principal axes: T 2.9400,Plg62.0000°,Azm34.0000°; N -0.0300,Plg1.0000°,Azm302.0000° ; P -2.9100,Plg27.0000°,Azm211.0000° $M_0$2.90000×10^{20}
IDC Error ellipse: s-maj=12.1km s-min=8.1km az=49.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s146,c394; s142,c672; Duration: 15ŝ8 Moment tensor: Scale 10^{20}Nm; M_{rr}1.85±.01 $M_{\theta\theta}$-1.37±.01; $M_{\phi\phi}$-0.48±.01; $M_{r\theta}$2.61±.06; $M_{\theta\phi}$0.86±.00; $M_{\phi r}$-1.16±.05; Best double couple: NP1:ϕ_s115.00000°,δ73.00000° ,λ86.00000°. NP2:ϕ_s308.00000°,δ17.00000°,λ102.00000°. Principal axes: T 3.4040,Plg61.0000°,Azm20.0000°; N 0.0190,Plg3.0000°,Azm116.0000° ; P -3.4260,Plg28.0000°,Azm208.0000° $M_0$3.41500×10^{20}
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{20}Nm; M_{rr}1.93 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.70 $M_{r\theta}$1.79 $M_{\theta\phi}$0.79 $M_{\phi r}$-1.16 Best double couple: NP1:ϕ_s307.00000° ,δ21.00000°,λ93.00000°. NP2:ϕ_s124.00000°,δ69.00000°,λ89.00000°. Principal axes: T 2.9000,Plg66.0000°,Azm32.0000°; N -0.1400,Plg1.0000°,Azm124.0000° ; P -2.7600,Plg24.0000°,Azm215.0000° $M_0$2.80000×10^{20}

(263) Talaud Islands

ISC	**IX**	**06 02 22 18.4–.47**	**4.45N–.03**	**126.93E–.04**	**57–4**	**5.3b,4.2s**	**828**	**2-172**
BJI	IX	06 02 22 14.5	4.14N	127.03E	63	5.2b,5.1b		**¶601676723**
MOS	IX	06 02 22 15.3–.91	4.56N	126.82E	39	5.5b,5.1b		
MAN	IX	06 02 22 18.5	4.28N	126.40E	1	5.5b,4.9s		
IDC	IX	06 02 22 18.6–1.6	4.51N	126.87E	56–14	5.1,4.9		
ISCJB	IX	06 02 22 19.4–.34	4.46N–.02	126.93E–.03	81–3	5.1b,4.9		
NEIC	IX	06 02 22 20.1–.67	4.50N	126.88E	71–6	5.3b,4.9		
DJA	IX	06 02 22 21.1–.80	4N–3.0	127E–3.0	22–7	5.5b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Melonguanne.

(201) Irian Jaya

ISC	**IX**	**06 06 46 32.8–.47**	**3.65S–.03**	**140.32E–.04**	**30–2**	**5.2s,5.2b**	**338**	**1-170**
IDC	IX	06 06 46 27.6–.46	3.61S	140.35E	0	5.1,5.1s		**¶601687346**
ISCJB	IX	06 06 46 31.1–.81	3.67S–.02	140.38E–.02	33–5	5.2s,5.0b		
MOS	IX	06 06 46 32.2–1.2	3.58S	140.36E	43	5.2b,5.0s		
DJA	IX	06 06 46 32.0–.30	4S–2.0	141E–3.0	38–3	5.8b,5.7		
NEIC	IX	06 06 46 33.9–.64	3.66S	140.25E	42–6	5.4b,5.3s		
GCMT	IX	06 06 46 33.9–.10	3.51S–.01	140.43E–.01	31–0	5.6W,5.3s		
BJI	IX	06 06 46 35.4	3.03S	140.26E	35	5.4b,5.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=8.7km az=94.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.6km az=155.7.
MOS Error ellipse: s-maj=11.1km s-min=5.9km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.3km az=73.0. Felt [III] at Jayapura and [II] at Genyem.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c217; s131,c229; Duration: 15ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.20±.04 $M_{\theta\theta}$-2.10±.03; $M_{\phi\phi}$-0.09±.03; $M_{r\theta}$-2.39±.07; $M_{\theta\phi}$0.70±.03; $M_{\phi r}$1.52±.07; Best double couple: NP1:ϕ_s299.00000°,δ71.00000° ,λ98.00000°. NP2:ϕ_s96.00000°,δ21.00000°,λ68.00000°. Principal axes: T 3.6140,Plg63.0000°,Azm222.0000°; N 0.0270,Plg8.0000°,Azm117.0000° ; P -3.6380,Plg26.0000°,Azm23.0000° $M_0$3.62600×10^{17}

(694) Central East Pacific Rise

ISC	**IX**	**06 23 33 07.5–.30**	**4.64S–.06**	**105.93W–.05**	**17**	**5.4s,5.2b**	**1040**	**16-159**
IDC	IX	06 23 33 04.3–.59	4.55S	106.05W	0	5.4s,5.4		**¶601687278**
ISCJB	IX	06 23 33 05.8–.24	4.51S–.03	105.80W–.03	17	5.4s,5.2b		
MOS	IX	06 23 33 05.4–.97	4.49S	105.83W	10	5.4s,5.3b		
NEIC	IX	06 23 33 06.3–.17	4.60S	105.89W	10	5.7W,5.5s		
BJI	IX	06 23 33 08.0	4.60S	105.90W	15	5.9s,5.7		
GCMT	IX	06 23 33 09.3–.10	4.49S–.01	105.99W–.01	16–0	5.8W,5.7		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.62 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.49 $M_{\theta\phi}$4.50 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s359.00000° ,δ82.00000°,λ171.00000°. NP2:ϕ_s90.00000°,δ82.00000°,λ8.00000°. Principal axes: T 4.3500,Plg11.0000°,Azm314.0000°; N 0.4600,Plg79.0000°,Azm137.0000° ; P -4.8100,Plg1.0000°,Azm44.0000° $M_0$4.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c254; s146,c422; Duration: 1ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.05 $M_{\theta\theta}$2.08±.05; $M_{\phi\phi}$-1.81±.05; $M_{r\theta}$0.35±.13; $M_{\theta\phi}$5.20±.05; $M_{\phi r}$0.81±.15; Best double couple: NP1:ϕ_s10.00000°,δ89.00000° ,λ171.00000°. NP2:ϕ_s100.00000°,δ81.00000°,λ1.00000°. Principal axes: T 5.7800,Plg7.0000°,Azm325.0000°; N -0.3200,Plg81.0000°,Azm182.0000° ; P -5.4600,Plg5.0000°,Azm56.0000° $M_0$5.62000×10^{17}

(318) Yunnan

ISC	**IX**	**07 03 19 43.1–.41**	**27.48N–.02**	**104.05E–.02**	**15–2**	**5.6b,5.4s**	**1304**	**3-175**
ISCJB	IX	07 03 19 40.1–.54	27.55N–.02	103.98E–.01	6–3	5.5b,5.3s		**¶601696464**
BJI	IX	07 03 19 41.5	27.51N	103.97E	14	6.1L,5.7		
MOS	IX	07 03 19 41.7–.91	27.56N	103.98E	27	5.7b,5.3s		
NEIC	IX	07 03 19 42.0–.00	27.31N	104.49E	11	5.7b,5.3s		
NEIC	IX	07 03 19 42.5–.11	27.58N	103.98E	10	5.6W,5.6b		
GCMT	IX	07 03 19 43.5–.10	27.47N–.01	104.12E–.01	12	5.6W,5.6b		
IDC	IX	07 03 19 46.1–1.8	27.55N	103.97E	33–13	5.4,5.2		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=2.2km az=174.7.
MOS Error ellipse: s-maj=4.9km s-min=3.1km az=122.4.
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}1.67 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.42 $M_{r\theta}$-0.90 $M_{\theta\phi}$-0.84 $M_{\phi r}$-0.98 Best double couple: NP1:ϕ_s217.00000° ,δ64.00000°,λ99.00000°. NP2:ϕ_s17.00000°,δ28.00000°,λ72.00000°. Principal axes: T 2.1400,Plg69.0000°,Azm146.0000°; N 0.1400,Plg8.0000°,Azm33.0000° ; P -2.2800,Plg18.0000°,Azm300.0000° $M_0$2.20000×10^{17}

NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.6km az=203.0. At least 81 people killed, 821 injured, 37,000 buildings destroyed, 133,000 houses damaged and landslides and power outages occurred in the epicentral area. Felt strongly at Zhaotong and [II] at Chengdu. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.92 $M_{\theta\phi}$-3.17 $M_{\phi r}$0.82 Best double couple: NP1:ϕ_s356.00000°,δ77.00000°,λ14.00000°. NP2:ϕ_s263.00000°,δ76.00000°,λ167.00000°. Principal axes: T 3.6400,Plg19.0000° ,Azm220.0000°; N -0.3900,Plg71.0000°,Azm37.0000°; P -3.2500,Plg1.0000°,Azm129.0000° $M_0$3.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c173; s131,c322;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.70±.03 $M_{\theta\theta}$0.69±.03; $M_{\phi\phi}$-2.39±.03; $M_{r\theta}$-0.97±.09; $M_{\theta\phi}$-1.78±.03; $M_{\phi r}$-0.23±.09; Best double couple: NP1:ϕ_s236.00000°,δ63.00000°,λ136.00000°. NP2:ϕ_s350.00000°,δ51.00000°,λ35.00000°. Principal axes: T 2.4360,Plg49.0000° ,Azm197.0000°; N 0.8490,Plg40.0000°,Azm32.0000°; P -3.2810,Plg7.0000°,Azm296.0000° $M_0$2.85800×10^{17}
IDC Error ellipse: s-maj=8.6km s-min=7.1km az=33.0.

(318) Yunnan

ISC	**IX**	**07 04 16 33.1–.47**	**27.52N–.02**	**104.13E–.02**	**27–3**	**5.5b,5.0s**	**1188**	**2-172**
MOS	IX	07 04 16 30.3–.92	27.57N	104.00E	20	5.6b,4.9s		**¶601696467**
BJI	IX	07 04 16 30.0	27.56N	104.03E	14	5.8L,5.6s		
NEIC	IX	07 04 16 30.5–.10	27.57N	104.01E	10	5.8L,5.5b		
ISCJB	IX	07 04 16 30.0–.64	27.59N–.02	104.04E–.02	17–4	5.4b,4.9s		
GCMT	IX	07 04 16 32.5–.10	27.47N–.01	104.19E–.01	12	5.3W,4.9s		
IDC	IX	07 04 16 35.8–1.5	27.57N	104.05E	48–14	5.2,5.1L		

ISC Event type de.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=123.7.
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.3km az=207.0. Casualties and damage included with event at 0319 UTC.
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=2.3km az=174.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c103; s115,c215;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.46±.02 $M_{\theta\theta}$0.55±.02; $M_{\phi\phi}$-1.02±.01; $M_{r\theta}$-0.38±.05; $M_{\theta\phi}$-0.46±.01; $M_{\phi r}$0.30±.04; Best double couple: NP1:ϕ_s338.00000°,δ69.00000°,λ34.00000°. NP2:ϕ_s234.00000°,δ58.00000°,λ155.00000°. Principal axes: T 1.0370,Plg39.0000° ,Azm199.0000°; N 0.1300,Plg51.0000°,Azm5.0000°; P -1.1700,Plg7.0000°,Azm104.0000° $M_0$1.10300×10^{17}
IDC Error ellipse: s-maj=8.6km s-min=7.2km az=50.0.

(248) Philippine Islands region

ISC	**IX**	**07 10 43 11.9–.75**	**7.12N–.03**	**127.21E–.05**	**53–6**	**4.7b,4.2s**	**266**	**1-162**
MAN	IX	07 10 43 07.8	7.12N	127.16E	8	5.6b,5.0s		**¶601687356**
MOS	IX	07 10 43 08.6–.97	7.20N	126.81E	33	5.1b,5.0s		
DJA	IX	07 10 43 09.8–1.2	7N–9.0	127E–6.0	33–26	5.5,5.2b		
BJI	IX	07 10 43 10.4	7.25N	127.05E	48	5.0b,4.8b		
ISCJB	IX	07 10 43 11.2–.52	7.14N–.02	127.08E–.04	61–4	4.7b,4.8b		
GCMT	IX	07 10 43 11.8–.30	7.07N–.02	127.23E–.02	23–1	5.0W,4.8b		
NEIC	IX	07 10 43 12.8–.72	7.13N	126.94E	60–7	4.9b,4.8b		
IDC	IX	07 10 43 12.7–1.5	7.16N	126.93E	58–13	4.6,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=6.0km az=110.9.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=172.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s77,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.21 $M_{\theta\theta}$-0.04±.12; $M_{\phi\phi}$-2.89±.13; $M_{r\theta}$0.89±.18; $M_{\theta\phi}$-0.55±.06; $M_{\phi r}$1.30±.16; Best double couple: NP1:ϕ_s21.00000°,δ59.00000°,λ101.00000°. NP2:ϕ_s180.00000°,δ33.00000°,λ72.00000°. Principal axes: T 3.3890,Plg73.0000° ,Azm321.0000°; N -0.0560,Plg10.0000°,Azm195.0000°; P -3.3290,Plg13.0000° ,Azm103.0000° $M_0$3.35900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=83.0. Felt [II PIVS] at Davao and Mati.
IDC Error ellipse: s-maj=14.9km s-min=8.5km az=86.0.

(248) Philippine Islands region

ISC	**IX**	**07 13 57 02.2–.38**	**10.87N–.04**	**126.81E–.06**	**35**	**4.6b,3.4s**	**135**	**2-147**
DJA	IX	07 13 56 56.3–.80	11N–7.0	128E–9.0	10	5.6b,5.6		**¶601692029**
IDC	IX	07 13 56 56.6–.50	10.82N	126.80E	0	4.3,4.2		
MAN	IX	07 13 56 59.4	10.92N	126.83E	47	5.2b,4.3s		
ISCJB	IX	07 13 57 00.2–.24	10.87N–.03	126.83E–.03	33	4.5b,3.6s		
BJI	IX	07 13 57 00.8	10.76N	126.93E	43	4.8b,4.5b		
NEIC	IX	07 13 57 01.8–.28	10.84N	126.86E	35	4.7b,4.5b		
MOS	IX	07 13 57 04.8–1.1	10.95N	126.84E	42	4.8b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=11.1km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=27.1.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=88.0.
MOS Error ellipse: s-maj=13.1km s-min=6.7km az=103.9.

(282) South of Jawa

ISC	**IX**	**07 17 41 05.7–.56**	**10.83S–.03**	**113.81E–.03**	**32–3**	**5.3b,4.4s**	**942**	**2-175**
IDC	IX	07 17 41 01.2–.35	10.70S	113.85E	0	5.1,5.1		**¶601692036**
NEIC	IX	07 17 41 02.0–1.6	10.73S	113.83E	5–9	5.4b,4.6s		
BJI	IX	07 17 41 03.4	10.80S	113.90E	25	5.0b,5.0b		
MOS	IX	07 17 41 04.7–1.0	10.68S	113.88E	33	5.4b,4.1s		
ISCJB	IX	07 17 41 05.6–.45	10.76S–.02	113.85E–.02	44–3	5.2b,4.5s		
GCMT	IX	07 17 41 06.0–.20	10.98S–.02	113.85E–.02	12	5.0W,4.5s		
DJA	IX	07 17 41 07.7–.30	11S–3.0	114E–2.0	41–17	5.5b,5.5		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c52; s97,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.28±.08 $M_{\theta\theta}$2.21±.07; $M_{\phi\phi}$1.07±.09; $M_{r\theta}$0.65±.24; $M_{\theta\phi}$-1.56±.06; $M_{\phi r}$-0.60±.33; Best double couple: NP1:ϕ_s307.00000°,δ52.00000°,λ-87.00000°. NP2:ϕ_s123.00000°,δ38.00000°,λ-93.00000°. Principal axes: T 3.4150,Plg7.0000° ,Azm35.0000°; N -0.0170,Plg2.0000°,Azm125.0000°; P -3.3980,Plg82.0000°,Azm230.0000° $M_0$3.40700×10^{16}

(215) Mariana Islands region

ISC	**IX**	**08 06 54 21.9–.67**	**21.58N–.03**	**145.93E–.04**	**26–4**	**5.5b,5.5s**	**1115**	**5-166**
NIED	IX	08 06 54 00	22.20N	145.60E	5	5.4W,5.5s		**¶601695809**
ISCJB	IX	08 06 54 17.1–.65	21.54N–.02	145.91E–.02	5–4	5.4s,5.4b		
BJI	IX	08 06 54 18.0	21.53N	145.75E	7	5.6s,5.4		
NEIC	IX	08 06 54 18.6–.08	21.53N	145.92E	5	5.7W,5.6b		
MOS	IX	08 06 54 20.8–.95	21.53N	145.95E	30	5.6b,5.3s		
IDC	IX	08 06 54 22.0–1.4	21.50N	145.94E	27–8	5.1s,5.1		
GCMT	IX	08 06 54 23.6–.10	21.59N–.01	146.07E–.01	13–1	5.5W,5.1		
JMA	IX	08 06 54 25.6–.30	22.18N	145.65E	10	5.9,5.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ50.00000°,λ-143.00000°. NP2:ϕ_s156.00000°,δ63.00000°,λ-46.00000°. $M_0$1.56000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=163.7.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=139.0. Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-0.53 $M_{r\theta}$-1.99 $M_{\theta\phi}$-0.18 $M_{\phi r}$3.71 Best double couple: NP1:ϕ_s227.00000°,δ6.00000°,λ165.00000°. NP2:ϕ_s332.00000° ,δ88.00000°,λ84.00000°. Principal axes: T 4.2700,Plg46.0000°,Azm236.0000° ; N -0.0500,Plg6.0000°,Azm332.0000°; P -4.2100,Plg43.0000°,Azm68.0000° $M_0$4.20000×10^{17}
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=103.0.
IDC Error ellipse: s-maj=12.5km s-min=7.9km az=87.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c179; s132,c269;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.01 $M_{\theta\theta}$0.83±.02; $M_{\phi\phi}$-0.83±.02; $M_{r\theta}$-0.81±.09; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$1.51±.15; Best double couple: NP1:ϕ_s328.00000°,δ89.00000°,λ64.00000°. NP2:ϕ_s236.00000°,δ26.00000°,λ178.00000°. Principal axes: T 1.8050,Plg40.0000° ,Azm214.0000°; N 0.2120,Plg26.0000°,Azm328.0000°; P -2.0180,Plg39.0000°,Azm81.0000° $M_0$1.91200×10^{17}
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.

(248) Philippine Islands region

ISC	**IX**	**08 07 53 04.5–.32**	**10.76N–.04**	**126.79E–.05**	**35**	**4.6b,3.6s**	**246**	**2-153**
IDC	IX	08 07 52 58.9–.47	10.65N	126.73E	0	4.4,4.3		**¶601695812**
BJI	IX	08 07 53 01.2	10.66N	126.94E	30	5.2b,4.7b		
DJA	IX	08 07 53 01.2–1.0	11N–2.0	127E–3.0	11–7	5.7b,5.3		
ISCJB	IX	08 07 53 02.6–.18	10.78N–.02	126.86E–.03	33	4.5b,3.6s		
MOS	IX	08 07 53 03.8–1.2	10.78N	126.71E	44	4.9b,3.6s		
NEIC	IX	08 07 53 06.0–.90	10.70N	126.73E	50–8	4.8b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=10.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.7km az=178.9.
MOS Error ellipse: s-maj=11.2km s-min=6.1km az=111.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=81.0.

(196) Irian Jaya region

ISC	**IX**	**08 10 51 45.6–.41**	**3.22S–.02**	**135.10E–.03**	**32–2**	**6.0b,5.9s**	**1948**	**2-172**
BJI	IX	08 10 51 39.7	3.18S	135.19E	8	5.9b,5.8s		**¶601833355**
IDC	IX	08 10 51 41.1–.28	3.16S	135.09E	0	5.7,5.7s		
ISCJB	IX	08 10 51 42.9–.62	3.19S–.02	135.11E–.01	24–4	5.9b,5.9s		
MOS	IX	08 10 51 42.3–.84	3.17S	135.12E	20	6.0b,5.8s		
DJA	IX	08 10 51 44.5–.60	3S–2.0	135E–1.0	20–4	6.7,6.6b		
NEIC	IX	08 10 51 44.0–.00	3.18S	135.41E	23	6.7,6.6b		
NEIC	IX	08 10 51 44.2–.07	3.18S	135.11E	21	6.4,6.2b		
GCMT	IX	08 10 51 47.2–.10	3.22S	134.99E	25–0	6.1W,6.2b		
NEIC	IX	08 10 51 57.7–.00	3.23S	135.04E	28	6.1W,6.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=23.4.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=114.2.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.13 $M_{\theta\phi}$-0.25 $M_{\phi r}$-0.98 Best double couple: NP1:ϕ_s227.00000°,δ63.00000°,λ52.00000°. NP2:ϕ_s107.00000°,δ45.00000°,λ141.00000°. Principal axes: T 1.6200,Plg54.0000°,Azm88.0000°; N -0.3700,Plg33.0000°,Azm246.0000°; P -1.2500,Plg10.0000°,Azm343.0000° M_o1.50000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=2.4km az=63.0. Felt [IV] at Nabire, [III] at Kaimana and Wasior and [II] at Mulia and Timika. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ71.00000°,λ46.00000°. NP2:ϕ_s111.00000°,δ47.00000°,λ153.00000°. Principal axes: T 1.1000,Plg46.0000°,Azm86.0000°; N 0.0400,Plg41.0000°,Azm237.0000°; P -1.1500,Plg15.0000°,Azm340.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s111.00000°,δ48.00000°,λ153.00000°. NP2:ϕ_s220.00000°,δ70.00000°,λ45.00000°. Principal axes: T Plg45.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg13.0000°,Azm341.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c335; s134,c450; Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$-1.33±.01; $M_{\phi\phi}$0.60±.01; $M_{r\theta}$-0.50±.02; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-1.66±.03; Best double couple: NP1:ϕ_s217.00000°,δ78.00000°,λ57.00000°. NP2:ϕ_s110.00000°,δ35.00000°,λ159.00000°. Principal axes: T 2.3290,Plg46.0000°,Azm93.0000°; N -0.5490,Plg32.0000°,Azm224.0000°; P -1.7830,Plg26.0000°,Azm332.0000° M_o2.05600×10^{18}
NEIC Event type se. Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.69 $M_{\theta\phi}$-0.31 $M_{\phi r}$-0.94 Best double couple: NP1:ϕ_s229.00000°,δ72.00000°,λ59.00000°. NP2:ϕ_s111.00000°,δ35.00000°,λ147.00000°. Principal axes: T 1.6500,Plg53.0000°,Azm102.0000°; N 0.0100,Plg29.0000°,Azm240.0000°; P -1.6600,Plg21.0000°,Azm342.0000° M_o1.60000×10^{18}

(78) Costa Rica

ISC	**IX**	**08 20 29 30.1–.59**	**10.03N–.03**	**85.41W–.03**	**26–3**	**5.6b,5.2s**	**1709**	**0-155**
NEIC	IX	08 20 29 13.2–.00	7.92N	85.89W	40	5.6b,5.2s		**¶601696946**
IDC	IX	08 20 29 26.7–.44	10.34N	85.03W	0	5.1,5.0		
ISCJB	IX	08 20 29 29.2–.11	10.08N–.02	85.31W–.02	33	5.5b,5.2s		
UCR	IX	08 20 29 30.7–1.6	9.91N	85.49W	24–4	5.7b,4.6L		
NEIC	IX	08 20 29 31.2–.13	10.08N	85.32W	35	5.7W,5.7W		
MOS	IX	08 20 29 31.8–1.0	10.19N	85.17W	33	5.6b,5.2s		
NEIC	IX	08 20 29 32.0–.00	10.00N	85.42W	19	5.6b,5.2s		
GCMT	IX	08 20 29 36.2–.10	9.76N–.01	85.58W–.01	26–0	5.6W,5.2s		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s5 Moment tensor: Scale 10^{17}Nm; M_{rr}4.20 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$-2.22 $M_{r\theta}$2.63 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s333.00000°,δ35.00000°,λ121.00000°. NP2:ϕ_s117.00000°,δ60.00000°,λ70.00000°. Principal axes: T 5.2100,Plg68.0000°,Azm347.0000°; N -0.5700,Plg17.0000°,Azm127.0000°; P -4.6400,Plg13.0000°,Azm221.0000° M_o4.90000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Alajuela, Nicoya, San Jose and Tilaran. Felt in the Valle Central and in much of northwestern Costa Rica. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-2.52 $M_{r\theta}$-0.02 $M_{\theta\phi}$2.03 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s143.00000°,δ42.00000°,λ79.00000°. NP2:ϕ_s339.00000°,δ49.00000°,λ100.00000°. Principal axes: T 2.4700,Plg82.0000°,Azm308.0000°; N 1.1800,Plg8.0000°,Azm152.0000°; P -3.6500,Plg3.0000°,Azm61.0000° M_o3.20000×10^{17}
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}2.24 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-0.84 $M_{r\theta}$3.32 $M_{\theta\phi}$0.79 $M_{\phi r}$-0.93 Best double couple: NP1:ϕ_s109.00000°,δ75.00000°,λ83.00000°. NP2:ϕ_s314.00000°,δ17.00000°,λ114.00000°. Principal axes: T 4.2400,Plg59.0000°,Azm9.0000°; N -0.4200,Plg6.0000°,Azm110.0000°; P -3.8200,Plg29.0000°,Azm204.0000° M_o4.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c222; s138,c339; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$-1.97±.02; $M_{\phi\phi}$-0.07±.03; $M_{r\theta}$1.64±.06; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-1.22±.06; Best double couple: NP1:ϕ_s122.00000°,δ67.00000°,λ100.00000°. NP2:ϕ_s278.00000°,δ25.00000°,λ68.00000°. Principal axes: T 2.9120,Plg67.0000°,Azm50.0000°; N 0.1430,Plg9.0000°,Azm298.0000°; P -3.0540,Plg21.0000°,Azm204.0000° M_o2.98300×10^{17}

(221) Kuril Islands

ISC	**IX**	**09 05 39 20.5–.50**	**49.40N–.04**	**155.59E–.03**	**58–3**	**5.6s,5.2b**	**1623**	**1-157**
KRSC	IX	09 05 39 16.0–2.1	49.17N	156.01E	67–24	6.0L,5.2b		**¶601696960**
MOS	IX	09 05 39 18.3–.88	49.34N	155.58E	56	5.6s,5.5b		
NEIC	IX	09 05 39 18.0–.07	49.43N	155.52E	35	5.2b,5.5b		
ISCJB	IX	09 05 39 19.0–.32	49.37N–.02	155.63E–.02	62–2	5.2b,5.5b		
BJI	IX	09 05 39 19.0	49.40N	155.50E	62	5.8s,5.6		
IDC	IX	09 05 39 22.3–.28	49.42N	155.50E	75–2	5.5s,5.5		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=5.6km s-min=2.5km az=77.6.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.4km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=159.2.
IDC Error ellipse: s-maj=8.4km s-min=6.5km az=154.0.

(221) Kuril Islands

ISC	**IX**	**09 05 39 39.4–.27**	**49.30N–.04**	**155.70E–.05**	**54**	**5.6s,5.4b**	**463**	**1-158**
NEIC	IX	09 05 39 36.0–.00	49.27N	155.88E	45	5.6s,5.4b		**¶605299927**
MOS	IX	09 05 39 37.7–.98	49.28N	155.83E	50	5.6b,5.5s		
ISCJB	IX	09 05 39 38.0–.15	49.31N–.03	155.70E–.04	54	5.6s,5.4b		
NEIC	IX	09 05 39 37.0–.10	49.25N	155.75E	31	6.0W,5.9W		
GCMT	IX	09 05 39 40.0–.10	49.28N	155.97E	41–0	6.0W,5.9W		
NEIC	IX	09 05 39 51.7–.00	49.97N	155.72E	47	6.0W,5.9W		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}6.84 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$-5.32 $M_{r\theta}$1.38 $M_{\theta\phi}$-3.56 $M_{\phi r}$4.35 Best double couple: NP1:ϕ_s23.00000°,δ61.00000°,λ82.00000°. NP2:ϕ_s219.00000°,δ30.00000°,λ104.00000°. Principal axes: T 8.2500,Plg72.0000°,Azm274.0000°; N 0.4800,Plg6.0000°,Azm27.0000°; P -8.7300,Plg16.0000°,Azm119.0000° M_o8.50000×10^{17}
MOS Error ellipse: s-maj=10.5km s-min=5.4km az=65.7. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.5km az=139.9.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=144.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c337; s151,c484; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.46±.00; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s30.00000°,δ57.00000°,λ86.00000°. NP2:ϕ_s217.00000°,δ33.00000°,λ96.00000°. Principal axes: T 1.0240,Plg77.0000°,Azm287.0000°; N 0.0370,Plg3.0000°,Azm32.0000°; P -1.0620,Plg12.0000°,Azm122.0000° M_o1.04300×10^{18}
NEIC Event type se. Moment Tensor Solution. s86 Moment tensor: Scale 10^{18}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s231.00000°,δ41.00000°,λ112.00000°. NP2:ϕ_s22.00000°,δ52.00000°,λ72.00000°. Principal axes: T 1.3400,Plg74.0000°,Azm236.0000°; N -0.1100,Plg14.0000°,Azm34.0000°; P -1.2300,Plg6.0000°,Azm125.0000° M_o1.30000×10^{18}

(222) East of Kuril Islands

ISC	**IX**	**09 09 36 39.8–.41**	**45.20N–.03**	**151.38E–.03**	**31–2**	**5.3s,5.2b**	**1497**	**2-154**
NIED	IX	09 09 36 00	45.20N	151.60E	20	5.4W,5.2b		**¶601698283**
IDC	IX	09 09 36 35.0–.40	45.33N	151.37E	0	5.1,5.1s		
ISCJB	IX	09 09 36 36.0–.62	45.19N–.02	151.45E–.02	17–4	5.2s,5.1b		
SKHL	IX	09 09 36 35.0–.90	44.99N	151.89E	40–9	5.9b,5.3s		
JMA	IX	09 09 36 37.1–.60	45.23N	151.62E	30	5.4,5.3s		
BJI	IX	09 09 36 38.6	45.20N	151.12E	26	5.5b,5.5s		
MOS	IX	09 09 36 39.0–.98	45.24N	151.36E	36	5.6b,5.2s		
NEIC	IX	09 09 36 41.1–.39	45.29N	151.32E	39–3	5.1b,5.2s		
GCMT	IX	09 09 36 42.1–.10	45.25N–.01	151.56E–.01	20–0	5.3W,5.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ60.00000°. NP2:ϕ_s52.00000°,δ66.00000°,λ104.00000°. M_o1.41000×10^{17}
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c161; s110,c201;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.02 $M_{\theta\theta}$-0.51±.02; $M_{\phi\phi}$-0.51±.02; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.59±.01; $M_{\phi r}$0.74±.04; Best double couple: NP1:ϕ_s32.00000°,δ64.00000°,λ78.00000°. NP2:ϕ_s239.00000°,δ29.00000°,λ114.00000°. Principal axes: T 1.3260,Plg69.0000°,Azm278.0000°; N 0.0240,Plg11.0000°,Azm38.0000°; P -1.3520,Plg18.0000°,Azm131.0000° M_o1.33900×10^{17}

(178) Kermadec Islands

ISC	**IX**	**09 14 36 34.8–.27**	**30.51S–.04**	**177.80W–.06**	**46**	**5.0b,4.0s**	**393**	**1-171**
IDC	IX	09 14 36 28.6–.42	30.47S	177.92W	0	4.8,4.7		**¶604029803**
MOS	IX	09 14 36 33.8–1.0	30.42S	177.95W	40	5.3b,4.7		
ISCJB	IX	09 14 36 34.0–.14	30.72S–.02	178.02W–.04	46	5.0b,4.1s		
BJI	IX	09 14 36 35.0	30.35S	177.51W	57	5.5b,5.1s		
GCMT	IX	09 14 36 36.6–.30	30.49S–.02	177.62W–.03	41–1	5.0W,5.1s		
WEL	IX	09 14 36 36.0	30.40S	177.94W	58	5.7L,5.1s		
NEIC	IX	09 14 36 36.6–1.3	30.40S	177.94W	58–11	5.0b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=16.1km az=64.0.
MOS Error ellipse: s-maj=11.6km s-min=9.7km az=71.9.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.5km az=30.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c52; s66,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.45±.21 $M_{\theta\theta}$0.17±.15; $M_{\phi\phi}$-3.62±.13; $M_{r\theta}$-1.03±.15; $M_{\theta\phi}$-0.25±.12; $M_{\phi r}$1.82±.12; Best double couple: NP1:ϕ_s348.00000°,δ60.00000°,λ73.00000°. NP2:ϕ_s199.00000°,δ34.00000°,λ117.00000°. Principal axes: T 4.1720,Plg70.0000°,Azm222.0000°; N -0.1110,Plg14.0000°,Azm356.0000°; P -4.0610,Plg14.0000°,Azm90.0000° M_o4.11600×10^{16}
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=153.0.

(263) Talaud Islands

ISC	**IX**	**10 11 23 29.7–.40**	**3.98N–.04**	**126.28E–.05**	**50–3**	**5.0b,3.8s**	**307**	**1-158**
MAN	IX	10 11 23 18.2	3.37N	126.75E	47	5.7b,5.2s		**¶601698293**
BJI	IX	10 11 23 25.0	3.66N	126.54E	45	5.0b,4.8b		
MOS	IX	10 11 23 26.4–1.1	4.01N	125.99E	37	5.1b,4.8b		
DJA	IX	10 11 23 28.1–.50	4N–5.0	126E–5.0	10	5.4,5.3		
ISCJB	IX	10 11 23 29.1–.40	3.99N–.02	126.19E–.03	61–3	4.9b,5.3		
NEIC	IX	10 11 23 29.5–.56	4.00N	126.13E	50–5	5.1b,5.3		
GCMT	IX	10 11 23 30.5–.30	3.98N–.02	126.23E–.02	46–2	4.9W,5.3		
IDC	IX	10 11 23 30.4–.68	3.96N	126.07E	58–5	4.8,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=11.3km s-min=5.2km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=166.1.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=78.0. Felt [III] at Melonguanne.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c38; s62,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.17 $M_{\theta\theta}$2.95±.10; $M_{\phi\phi}$-1.88±.14; $M_{r\theta}$-1.02±.10; $M_{\theta\phi}$-0.41±.10; $M_{\phi r}$1.28±.17; Best double couple: NP1:ϕ_s133.00000°,δ76.00000°,λ-39.00000°. NP2:ϕ_s234.00000°,δ52.00000°,λ-162.00000°. Principal axes: T 3.2920,Plg15.0000°,Azm188.0000°; N -0.4670,Plg49.0000°,Azm296.0000°; P -2.8350,Plg37.0000°,Azm86.0000° M_o3.06400×10^{16}
IDC Error ellipse: s-maj=16.6km s-min=8.9km az=79.0.

(703) Andaman Islands region

ISC	**IX**	**10 14 35 43.2–.41**	**10.42N–.03**	**93.53E–.03**	**40–3**	**5.2b,4.3s**	**888**	**1-167**
BJI	IX	10 14 35 39.2	10.27N	93.51E	34	5.1b,5.0b		**¶601699601**
GCMT	IX	10 14 35 40.8–.20	10.42N–.01	93.76E–.02	12	5.1W,5.0b		
MOS	IX	10 14 35 41.4–.83	10.52N	93.61E	39	5.4b,5.0b		
ISCJB	IX	10 14 35 41.0–.39	10.50N–.02	93.63E–.02	36–3	5.1b,4.3s		
IDC	IX	10 14 35 42.3–1.8	10.46N	93.63E	33–13	4.8,4.7		
NEIC	IX	10 14 35 42.8–.43	10.46N	93.62E	39–3	5.2b,4.7		
DJA	IX	10 14 35 45.1–.40	11N–2.0	94E–4.0	45–3	5.6b,5.3		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c74; s101,c182;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.92±.10 $M_{\theta\theta}$4.76±.09; $M_{\phi\phi}$0.16±.10; $M_{r\theta}$1.38±.27; $M_{\theta\phi}$1.79±.08; $M_{\phi r}$-0.02±.34; Best double couple: NP1:ϕ_s257.00000°,δ52.00000°,λ-83.00000°. NP2:ϕ_s65.00000°,δ38.00000°,λ-99.00000°. Principal axes: T 5.5370,Plg7.0000°,Azm342.0000°; N -0.4080,Plg6.0000°,Azm72.0000°; P -5.1270,Plg81.0000°,Azm200.0000° M_o5.33200×10^{16}
ISCJB Event type se.
NEIC Event type se.

(705) Off west coast of northern Sumatera

ISC	**IX**	**10 19 08 47.5–.46**	**0.87N–.04**	**92.79E–.04**	**29–2**	**4.7b,3.9s**	**285**	**4-156**
BJI	IX	10 19 08 39.6	0.40N	92.80E	10	4.9b,4.6b		**¶601703082**
IDC	IX	10 19 08 43.0–.37	0.85N	92.70E	0	4.5,4.4		
ISCJB	IX	10 19 08 42.4–1.2	0.83N–.03	92.71E–.03	8–7	4.6b,3.9s		
MOS	IX	10 19 08 47.0–1.2	0.99N	92.76E	37	4.9b,3.9s		
NEIC	IX	10 19 08 47.2–1.9	0.87N	92.74E	27–13	4.8b,3.9s		
DJA	IX	10 19 08 50.1–.50	1N–3.0	93E–4.0	10	5.5b,5.3		

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

(221) Kuril Islands

ISC	**IX**	**11 01 28 20.5–.31**	**45.21N–.03**	**151.34E–.03**	**31–1**	**5.5b,5.4s**	**1896**	**2-160**
NIED	IX	11 01 28 00	45.30N	151.60E	14	5.5W,5.4s		**¶601709215**
ISCJB	IX	11 01 28 15.4–.58	45.24N–.02	151.31E–.02	7–3	5.5b,5.4s		
BJI	IX	11 01 28 16.6	45.24N	151.00E	6	5.7b,5.6b		
JMA	IX	11 01 28 17.7–.50	45.30N	151.58E	30	5.7,5.6b		
NEIC	IX	11 01 28 18.8–.58	45.34N	151.11E	14–3	5.6W,5.5W		
SKHL	IX	11 01 28 18.1–.90	45.01N	151.72E	52–7	5.8s,5.7		
NEIC	IX	11 01 28 19.0–.00	45.39N	151.33E	17	5.8s,5.7		
MOS	IX	11 01 28 21.4–1.2	45.31N	151.16E	48	5.9b,5.4s		
GCMT	IX	11 01 28 21.8–.10	45.30N–.01	151.56E–.01	21–0	5.5W,5.4s		
IDC	IX	11 01 28 22.6–.50	45.38N	151.15E	45–4	5.3s,5.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ41.00000°,λ110.00000°. NP2:ϕ_s31.00000°,δ52.00000°,λ73.00000°. M_o2.17000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.5km az=160.2.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=160.0. Moment Tensor Solution. s73 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.78 $M_{\phi r}$1.33 Best double couple: NP1:ϕ_s246.00000°,δ20.00000°,λ124.00000°. NP2:ϕ_s31.00000°,δ74.00000°,λ79.00000°. Principal axes: T 1.7400,Plg60.0000°,Azm285.0000°; N 0.2600,Plg11.0000°,Azm34.0000°; P -2.0000,Plg28.0000°,Azm130.0000° M_o1.90000×10^{17}
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$-0.83 $M_{r\theta}$1.20 $M_{\theta\phi}$-0.75 $M_{\phi r}$2.92 Best double couple: NP1:ϕ_s24.00000°,δ78.00000°,λ83.00000°. NP2:ϕ_s235.00000°,δ14.00000°,λ120.00000°. Principal axes: T 3.5000,Plg56.0000°,Azm285.0000°; N -0.0600,Plg6.0000°,Azm25.0000°; P -3.4400,Plg32.0000°,Azm119.0000° M_o3.50000×10^{17}
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=112.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c183; s122,c275;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.02±.04 $M_{\theta\theta}$-0.95±.03; $M_{\phi\phi}$-1.07±.03; $M_{r\theta}$0.59±.05; $M_{\theta\phi}$-1.29±.02; $M_{\phi r}$1.31±.05; Best double couple: NP1:ϕ_s32.00000°,δ62.00000°,λ78.00000°. NP2:ϕ_s236.00000°,δ30.00000°,λ111.00000°. Principal axes: T 2.5050,Plg71.0000°,Azm277.0000°; N 0.1930,Plg10.0000°,Azm38.0000°; P -2.7000,Plg16.0000°,Azm131.0000° M_o2.60200×10^{17}
IDC Error ellipse: s-maj=12.0km s-min=8.2km az=138.0.

(277) Jawa

ISC	**IX**	**11 12 44 23.9–1.6**	**7.47S–.10**	**105.89E–.07**	**47–14**	**3.9b**	**40**	**1-145**

ISCJB	IX	11 12 44 24.1–.00	7.40S–.10	105.99E–.06	60–10	3.8b,2.8s		¶601863355
DJA	IX	11 12 44 24.5–.70	7S–4.0	106E–3.0	23–5	5.9b,5.5		
IDC	IX	11 12 44 28.5–4.3	6.98S	106.18E	81–33	3.9,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=18.5km s-min=4.7km az=31.8.							
IDC	Error ellipse: s-maj=64.2km s-min=14.4km az=52.0.							
	(282) South of Jawa							
ISC	**IX**	**11 14 21 39.6–.26**	**10.83S–.04**	**113.77E–.03**	**35**	**5.3b,4.1s**	**720 2-170**	
IDC	IX	11 14 21 34.4–.39	10.71S	113.90E	0	5.0,5.0		¶601705114
BJI	IX	11 14 21 34.0	10.70S	113.80E	10	5.3b,5.1b		
DJA	IX	11 14 21 36.8–.30	11S–2.0	114E–1.0	13	5.4b,5.2		
NEIC	IX	11 14 21 36.3–.14	10.71S	113.83E	10	5.3b,5.2		
ISCJB	IX	11 14 21 37.5–.16	10.80S–.02	113.76E–.02	33	5.2b,4.2s		
GCMT	IX	11 14 21 38.3–.20	11.05S–.01	113.95E–.03	12	5.0W,4.2s		
MOS	IX	11 14 21 38.1–1.1	10.62S	113.88E	33	5.6b,4.2s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=13.8km s-min=10.3km az=76.0.							
NEIC	Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=38.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.2km s-min=2.6km az=135.5.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c33; s81,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07±.09 $M_{\theta\theta}$2.52±.06; $M_{\phi\phi}$-0.44±.10; $M_{r\theta}$-1.02±.21; $M_{\theta\phi}$-1.11±.06; $M_{\phi r}$-2.19±.33; Best double couple: NP1:ϕ_s76.00000°,δ60.00000°,λ-134.00000°. NP2:ϕ_s319.00000°,δ52.00000°,λ-40.00000°. Principal axes: T 2.9120,Plg5.0000° ,Azm195.0000°; N 1.0260,Plg37.0000°,Azm102.0000°; P -3.9290,Plg52.0000° ,Azm291.0000° $M_0$3.42000×10^{16}							
MOS	Error ellipse: s-maj=10.1km s-min=5.4km az=110.1.							
	(210) South of Mariana Islands							
ISC	**IX**	**11 16 36 52.6–.69**	**11.81N–.03**	**143.29E–.03**	**25–4**	**5.7s,5.7b**	**1136 2-168**	
BJI	IX	11 16 36 48.7	12.04N	143.30E	6	5.9s,5.8		¶601709218
IDC	IX	11 16 36 48.8–.31	11.84N	143.28E	0	5.6,5.6s		
ISCJB	IX	11 16 36 48.9–.09	11.84N–.02	143.21E–.02	8	5.7s,5.6b		
NEIC	IX	11 16 36 49.8–.08	11.84N	143.22E	8	5.9W,5.8W		
DJA	IX	11 16 36 50.6–.90	12N–2.0	143E–3.0	12–6	6.2b,6.0		
NEIC	IX	11 16 36 50.0–.00	11.59N	143.43E	15	6.2b,6.0		
MOS	IX	11 16 36 52.4–.94	11.86N	143.14E	33	6.0b,5.8s		
GCMT	IX	11 16 36 54.8–.10	11.60N	143.11E	12	5.9W,5.8s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=12.5km s-min=7.6km az=80.0.							
ISCJB	Event type se. Error ellipse: s-maj=2.6km s-min=2.0km az=157.0.							
NEIC	Event type se. Error ellipse: s-maj=2.6km s-min=2.3km az=107.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s73 Moment tensor: Scale 10^{17}Nm; M_{rr}4.16 $M_{\theta\theta}$-4.93 $M_{\phi\phi}$0.78 $M_{r\theta}$5.04 $M_{\theta\phi}$-1.20 $M_{\phi r}$1.17 Best double couple: NP1:ϕ_s261.00000°,δ21.00000°,λ93.00000°. NP2: ϕ_s77.00000°,δ69.00000°,λ89.00000°. Principal axes: T 6.4600,Plg66.0000°,Azm345.0000° ; N 1.0200,Plg1.0000°,Azm78.0000°; P -7.4800,Plg24.0000°,Azm168.0000° $M_0$7.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s250.00000°,δ10.00000°,λ90.00000°. NP2:ϕ_s70.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm340.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000° ,Azm160.0000°							
NEIC	Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}8.15 $M_{\theta\theta}$-7.06 $M_{\phi\phi}$-1.09 $M_{r\theta}$2.57 $M_{\theta\phi}$-0.24 $M_{\phi r}$-1.59 Best double couple: NP1:ϕ_s98.00000° ,δ55.00000°,λ101.00000°. NP2:ϕ_s259.00000°,δ36.00000°,λ75.00000°. Principal axes: T 8.8300,Plg76.0000°,Azm44.0000°; N -1.3500,Plg9.0000°,Azm271.0000° ; P -7.4800,Plg9.0000°,Azm180.0000° $M_0$8.20000×10^{17}							
MOS	Error ellipse: s-maj=6.7km s-min=4.1km az=104.0.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c277; s147,c480; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.82±.01 $M_{\theta\theta}$-0.89±.01; $M_{\phi\phi}$0.07±.01; $M_{r\theta}$0.49±.01; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.23±.01; Best double couple: NP1:ϕ_s98.00000°,δ61.00000° ,λ109.00000°. NP2:ϕ_s242.00000°,δ34.00000°,λ59.00000°. Principal axes: T 1.0220,Plg68.0000°,Azm46.0000°; N 0.0100,Plg17.0000°,Azm268.0000° ; P -1.0320,Plg14.0000°,Azm174.0000° $M_0$1.02700×10^{18}							
	(248) Philippine Islands region							
ISC	**IX**	**11 18 10 10.0–.36**	**10.74N–.03**	**126.86E–.04**	**37–1**	**5.0b,4.2s**	**498 2-168**	
MAN	IX	11 18 10 04.8	10.97N	127.02E	29	5.5b,4.9s		¶601705125
IDC	IX	11 18 10 04.6–.37	10.71N	126.72E	0	4.6,4.6		
BJI	IX	11 18 10 05.1	10.54N	126.95E	27	5.0b,4.8b		
NEIC	IX	11 18 10 06.9–1.3	10.71N	126.76E	16–8	5.2b,4.8b		
ISCJB	IX	11 18 10 08.0–.12	10.74N–.02	126.83E–.02	33	5.0b,4.1s		
MOS	IX	11 18 10 07.7–.91	10.71N	126.78E	33	5.3b,4.1s		
DJA	IX	11 18 10 11.6–.70	11N–4.0	127E–6.0	77–7	5.6,5.2b		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
	(370) Crete							
ISC	**IX**	**12 03 27 45.3–.41**	**34.83N–.02**	**24.07E–.02**	**30–2**	**5.6b,5.0s**	**2356 0-161**	
BJI	IX	12 03 27 39.5	34.71N	23.62E	23	5.8b,5.6b		¶606542219
GII	IX	12 03 27 41.5–.00	34.74N	24.03E	30	5.8b,5.6b		
NIC	IX	12 03 27 42.3–.20	34.42N	24.16E	100	5.5b,5.2L		
HLW	IX	12 03 27 43.3	34.84N	24.42E	30–24	5.7L,5.2L		
ATH	IX	12 03 27 43.7	34.71N	24.02E	26–0	5.5L,5.2L		
MOS	IX	12 03 27 44.5–1.2	34.91N	24.00E	33	6.0b,4.9s		
ISCJB	IX	12 03 27 44.6–.38	34.81N–.01	24.09E–.01	30–2	5.6b,5.1s		
NEIC	IX	12 03 27 45.0–.00	34.91N	23.94E	30	5.6b,5.1s		
SFS	IX	12 03 27 45.0	34.74N	24.03E	30	5.4L,5.1s		
IDC	IX	12 03 27 45.1–1.0	34.83N	24.10E	28–6	5.5,5.4		
PDG	IX	12 03 27 46.1–.30	35.01N	23.41E	15–7	5.6L,5.4		
NEIC	IX	12 03 27 46.3–.50	34.78N	24.11E	32–3	5.7b,5.5L		
GCMT	IX	12 03 27 46.3–.10	34.35N–.01	24.04E–.01	41–0	5.4W,5.5L		
THE	IX	12 03 27 47.1	34.86N	24.08E	8–0	5.2L,5.5L		
ISK	IX	12 03 27 47.3	34.97N	24.11E	40–0	5.5L,5.5L		
BEO	IX	12 03 27 53.9–1.2	35.54N	23.48E	0	5.3L,5.5L		
CNRM	IX	12 03 27 55.5	34.77N	22.90E	15	4.5L,5.5L		
DDA	IX	12 03 27 59.3	35.74N	25.14E	7	5.5L,5.5L		
TIR	IX	12 03 28 27.5	37.34N	20.71E	7	5.5,5.5L		
ISC	Event type fe.							
GII	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=20.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.							
MOS	Error ellipse: s-maj=4.6km s-min=2.6km az=88.0.							
ISCJB	Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=10.4.							
NEIC	Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.66 $M_{\theta\phi}$0.31 $M_{\phi r}$-1.09 Best double couple: NP1:ϕ_s123.00000° ,δ79.00000°,λ92.00000°. NP2:ϕ_s293.00000°,δ11.00000°,λ81.00000°. Principal axes: T 2.1700,Plg55.0000°,Azm35.0000°; N -0.0500,Plg1.0000°,Azm302.0000° ; P -2.1200,Plg33.0000°,Azm211.0000° $M_0$2.10000×10^{17}							
SFS	CRETA. (GRECIA).							
IDC	Error ellipse: s-maj=9.3km s-min=8.1km az=157.0.							
PDG	Event type ke. Error ellipse: s-maj=8.9km s-min=3.7km az=90.0.							
NEIC	Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=188.0. Felt [IV] at Irakleio and [II] at Chania. Also felt at Ayia Galini, Moires, Palaiochora, Therison and Tympaki. Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ85.00000°,λ92.00000°. NP2: ϕ_s281.00000°,δ5.00000°,λ65.00000°. Principal axes: T 1.2000,Plg50.0000°,Azm39.0000° ; N -0.1400,Plg2.0000°,Azm306.0000°; P -1.0600,Plg40.0000°,Azm215.0000°							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c174; s115,c211; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-1.05±.02; $M_{\phi\phi}$0.05±.02; $M_{r\theta}$0.78±.03; $M_{\theta\phi}$0.51±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s122.00000°,δ65.00000° ,λ100.00000°. NP2:ϕ_s278.00000°,δ26.00000°,λ69.00000°. Principal axes: T 1.3670,Plg68.0000°,Azm51.0000°; N 0.2160,Plg9.0000°,Azm297.0000° ; P -1.5850,Plg20.0000°,Azm204.0000° $M_0$1.47600×10^{17}							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=228.0.							
ISK	Event type ke.							
BEO	Event type ke.							
DDA	Event type ke.							
	(192) New Britain region							
ISC	**IX**	**12 04 28 12.9–.39**	**5.05S–.03**	**152.23E–.04**	**53–3**	**5.5b,5.1s**	**1005 1-157**	
BJI	IX	12 04 28 10.8	5.07S	152.50E	63	5.2b,5.1b		¶604029808
MOS	IX	12 04 28 11.4–.83	4.92S	152.02E	45	5.7b,5.0s		
DJA	IX	12 04 28 12.4–.60	5S–4.0	152E–4.0	50–8	5.7b,5.2		
NEIC	IX	12 04 28 12.9–.09	5.02S	152.10E	50	5.6b,5.4W		
IDC	IX	12 04 28 12.6–.45	5.03S	152.14E	49–3	5.0,4.9		
ISCJB	IX	12 04 28 12.2–.73	5.05S–.03	152.07E–.02	53–6	5.4b,5.0s		
GCMT	IX	12 04 28 13.9–.10	5.28S–.01	152.23E–.01	45–0	5.4W,5.0s		
NEIC	IX	12 04 28 14.0–.00	5.07S	152.13E	45	5.4W,5.0s		
ISC	Event type se.							
MOS	Error ellipse: s-maj=7.8km s-min=6.4km az=72.1.							
NEIC	Event type se. Error ellipse: s-maj=3.9km s-min=2.8km az=136.0.							
IDC	Error ellipse: s-maj=9.8km s-min=7.7km az=110.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=154.9.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c206; s115,c226; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$-1.69±.02; $M_{\phi\phi}$0.07±.02; $M_{r\theta}$0.60±.02; $M_{\theta\phi}$-0.45±.02; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s84.00000°,δ55.00000° ,λ99.00000°. NP2:ϕ_s248.00000°,δ36.00000°,λ78.00000°. Principal axes: T 1.7390,Plg78.0000°,Azm27.0000°; N 0.1590,Plg7.0000°,Azm259.0000° ; P -1.8910,Plg9.0000°,Azm167.0000° $M_0$1.81500×10^{17}							
NEIC	Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-0.12 $M_{r\theta}$0.92 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_s74.00000° ,δ61.00000°,λ84.00000°. NP2:ϕ_s265.00000°,δ29.00000°,λ100.00000°. Principal axes: T 1.8900,Plg73.0000°,Azm330.0000°; N -0.1000,Plg4.0000°,Azm76.0000° ; P -1.7900,Plg15.0000°,Azm168.0000° $M_0$1.80000×10^{17}							
	(248) Philippine Islands region							
ISC	**IX**	**12 14 23 06.2–1.6**	**10.40N–.03**	**126.92E–.05**	**14–10**	**4.7b,3.1s**	**154 2-164**	
BJI	IX	12 14 23 02.6	10.13N	126.90E	16	4.8b,4.7b		¶601710357
IDC	IX	12 14 23 03.8–.47	10.34N	126.74E	0	4.4,4.3		
ISCJB	IX	12 14 23 04.7–1.4	10.43N–.03	126.93E–.03	15–9	4.6b,3.4s		
NEIC	IX	12 14 23 06.0–2.6	10.38N	126.74E	13–16	4.9b,3.4s		
MAN	IX	12 14 23 05.5	10.49N	126.99E	30	5.1b,4.2s		
MOS	IX	12 14 23 08.2–1.5	10.55N	126.78E	33	5.1b,4.2s		
DJA	IX	12 14 23 10.9–1.0	10N–5.0	127E–7.0	37–10	5.6b,5.1		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
	(425) South Indian Ocean							
ISC	**IX**	**12 21 52 17.2–.58**	**23.99S–.05**	**82.91E–.05**	**11–3**	**5.4b,4.4s**	**948 19-173**	
BJI	IX	12 21 52 15.4	23.90S	83.00E	10	5.3b,5.1b		¶601712527
IDC	IX	12 21 52 15.2–.36	24.00S	82.92E	0	5.1,5.1b		
ISCJB	IX	12 21 52 15.8–.17	23.96S–.03	82.96E–.03	11	5.3b,4.3s		
MOS	IX	12 21 52 15.7–.80	23.91S	82.97E	10	5.6b,4.4s		
NEIC	IX	12 21 52 16.9–.15	24.00S	82.93E	10	5.4b,4.5s		
GCMT	IX	12 21 52 19.9–.20	23.81S–.02	83.04E–.02	18–0	5.0W,4.5s		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c55; s85,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.66±.17 $M_{\theta\theta}$-2.24±.11; $M_{\phi\phi}$-1.43±.12; $M_{r\theta}$0.72±.25; $M_{\theta\phi}$-2.48±.08; $M_{\phi r}$-0.25±.29; Best double couple: NP1:ϕ_s61.00000°,δ49.00000°,λ106.00000°. NP2:ϕ_s218.00000°,δ43.00000°,λ73.00000°. Principal axes: T 3.8180,Plg78.0000° ,Azm37.0000°; N 0.5390,Plg12.0000°,Azm231.0000°; P -4.3670,Plg3.0000°,Azm140.0000° $M_0$4.09200×10^{16}							
	(248) Philippine Islands region							
ISC	**IX**	**13 05 54 49.0–.48**	**10.24N–.03**	**127.04E–.03**	**24–3**	**5.4b,4.2s**	**1010 2-173**	
BJI	IX	13 05 54 42.8	9.83N	127.22E	23	5.3b,5.2b		¶601712536
ISCJB	IX	13 05 54 44.3–.68	10.33N–.02	127.02E–.02	1–4	5.4b,4.2s		
IDC	IX	13 05 54 45.4–.29	10.23N	126.96E	0	5.3,5.3		
MAN	IX	13 05 54 47.7	10.47N	127.12E	37	5.6b,5.1s		
MOS	IX	13 05 54 48.6–1.1	10.30N	126.94E	31	5.6b,4.3s		
NEIC	IX	13 05 54 49.0–.99	10.24N	126.94E	23–7	5.4b,4.3s		
GCMT	IX	13 05 54 49.0–.20	10.34N–.01	127.07E–.01	12	5.1W,4.3s		
DJA	IX	13 05 54 52.4–.40	10N–2.0	127E–2.0	45–3	5.9,5.7b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [III PIVS] at Surigao, Mindanao.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c82; s101,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.07±.12 $M_{\theta\theta}$1.12±.10; $M_{\phi\phi}$3.95±.11; $M_{r\theta}$1.55±.36; $M_{\theta\phi}$-3.78±.09; $M_{\phi r}$0.58±.31; Best double couple: NP1:ϕ_s306.00000°,δ51.00000°,λ-118.00000°. NP2:ϕ_s165.00000°,δ47.00000°,λ-61.00000°. Principal axes: T 6.5860,Plg2.0000° ,Azm55.0000°; N -0.8870,Plg21.0000°,Azm324.0000°; P -5.6980,Plg69.0000° ,Azm150.0000° $M_0$6.14200×10^{16}							
	(282) South of Jawa							
ISC	**IX**	**13 23 40 04.3–1.1**	**10.92S–.04**	**113.76E–.04**	**23–7**	**5.4b,4.4s**	**757 2-175**	
BJI	IX	13 23 40 00.5	10.80S	113.70E	6	5.3b,5.2b		¶601713647
ISCJB	IX	13 23 40 00.2–.77	10.88S–.02	113.71E–.02	6–4	5.3b,4.4s		
IDC	IX	13 23 40 01.4–.43	10.72S	113.81E	0	5.0,5.0		
NEIC	IX	13 23 40 03.0–.14	10.77S	113.76E	10	5.4b,5.0		
DJA	IX	13 23 40 04.5–.60	11S–2.0	114E–1.0	19–4	5.6b,5.5		
MOS	IX	13 23 40 05.2–1.1	10.63S	113.82E	33	5.6b,4.4s		
GCMT	IX	13 23 40 05.0–.20	10.99S–.01	113.86E–.02	12	5.0W,4.4s		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [II] at Kuta, Bali.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c43; s90,c152;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.66±.10 $M_{\theta\theta}$3.67±.07; $M_{\phi\phi}$-1.01±.11; $M_{r\theta}$0.52±.23; $M_{\theta\phi}$-1.32±.07; $M_{\phi r}$-1.65±.35; Best double couple: NP1:ϕ_s312.00000°,δ60.00000°,λ-53.00000°. NP2:ϕ_s76.00000°,δ46.00000°,λ-136.00000°. Principal axes: T 4.1500,Plg8.0000° ,Azm17.0000°; N -0.4610,Plg31.0000°,Azm112.0000°; P -3.6890,Plg57.0000° ,Azm274.0000° $M_0$3.91900×10^{16}							
	(274) Southern Sumatera							
ISC	**IX**	**14 04 51 48.1–.40**	**3.30S–.03**	**100.67E–.03**	**23–2**	**6.3s,6.0b**	**2145 2-179**	
BJI	IX	14 04 51 44.8	3.27S	100.61E	19	6.6s,6.5		¶603272822
ISCJB	IX	14 04 51 46.2–.56	3.31S–.02	100.58E–.02	23–3	6.3s,6.0b		
MOS	IX	14 04 51 47.9–1.0	3.22S	100.63E	33	6.3b,6.2s		
NEIC	IX	14 04 51 47.1–.09	3.32S	100.59E	19	6.3s,6.2W		
IDC	IX	14 04 51 47.6–2.6	3.34S	100.58E	21–16	6.1,6.1s		
NEIC	IX	14 04 51 48.0–.00	3.54S	100.50E	23	6.1,6.1s		
DJA	IX	14 04 51 49.6–.30	3S–2.0	100E–2.0	35–3	6.4,6.4b		
GCMT	IX	14 04 51 51.1–.10	3.58S	100.32E	12	6.3W,6.4b		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=35.0.							
MOS	Error ellipse: s-maj=6.7km s-min=4.0km az=114.9.							
NEIC	Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=38.0. Felt [IV] at Bengkulu, Padang, Painan and Pesisir Selatan, Sumatra and [III] on Pulau Sipura. Also felt in Singapore. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18} Nm; M_{rr}1.59 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$-0.51 $M_{r\theta}$1.52 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.96 Best double couple: NP1: ϕ_s120.00000°,δ71.00000°,λ94.00000°. NP2:ϕ_s289.00000°,δ19.00000°,λ80.00000°. Principal axes: T 2.4900,Plg63.0000°,Azm35.0000°; N -0.4500,Plg3.0000°,Azm299.0000° ; P -2.0400,Plg26.0000°,Azm207.0000° $M_0$2.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ5.00000°,λ90.00000°. NP2: ϕ_s130.00000°,δ85.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm40.0000° ; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm220.0000°							
IDC	Error ellipse: s-maj=11.5km s-min=8.9km az=44.0.							
NEIC	Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-0.62 $M_{r\theta}$1.72 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.13 Best double couple: NP1:ϕ_s126.00000° ,δ81.00000°,λ80.00000°. NP2:ϕ_s355.00000°,δ14.00000°,λ139.00000°. Principal axes: T 2.2300,Plg52.0000°,Azm23.0000°; N -0.0700,Plg10.0000°,Azm127.0000° ; P -2.1600,Plg35.0000°,Azm224.0000° $M_0$2.20000×10^{18}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c346; s137,c432; Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99±.01 $M_{\theta\theta}$-0.47±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$2.28±.02; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-1.86±.02; Best double couple: NP1:ϕ_s130.00000°,δ81.00000° ,λ88.00000°. NP2:ϕ_s324.00000°,δ10.00000°,λ104.00000°. Principal axes: T 3.0940,Plg54.0000°,Azm37.0000°; N 0.0380,Plg2.0000°,Azm130.0000° ; P -3.1310,Plg36.0000°,Azm222.0000° $M_0$3.11300×10^{18}							
	(410) Southern Mid-Atlantic Ridge							
ISC	**IX**	**14 07 18 38.8–.30**	**39.66S–.07**	**16.06W–.07**	**11**	**5.2s,5.1b**	**181 20-166**	
ISCJB	IX	14 07 18 37.0–.23	39.71S–.05	16.10W–.06	11	5.2s,5.1b		¶601714125

IDC	IX	14 07 18 36.8–.45	39.62S	15.92W	0	5.0s,5.0	
NEIC	IX	14 07 18 38.4–.18	39.68S	16.01W	10	5.2s,5.1b	
BJI	IX	14 07 18 39.4	39.70S	16.00W	10	5.6b,5.6s	
GCMT	IX	14 07 18 41.4–.10	39.82S–.01	15.77W–.01	12	5.5W,5.6s	

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c126; s136,c273;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.43±.03 $M_{\theta\theta}$0.01±.03; $M_{\phi\phi}$2.42±.03; $M_{r\theta}$-0.11±.13; $M_{\theta\phi}$-0.32±.03; $M_{\phi r}$-0.09±.10; Best double couple: NP1:ϕ_s355.00000°,δ46.00000°,λ-86.00000°. NP2:ϕ_s170.00000°,δ44.00000°,λ-94.00000°. Principal axes: T 2.4640,Plg1.0000° ,Azm83.0000°; N -0.0300,Plg3.0000°,Azm173.0000°; P -2.4370,Plg87.0000°,Azm334.0000° $M_0$2.45000×10^{17}

(282) South of Jawa

ISC	**IX**	**15 02 05 05.7–.65**	**10.92S–.08**	**113.70E–.06**	**25**	**4.1b**	**35**	**2-89**
IDC	IX	15 02 05 02.6–1.2	10.73S	113.66E	0	4.1,4.0		**¶601751707**
ISCJB	IX	15 02 05 03.5–.54	10.97S–.06	113.69E–.05	25	4.0b,4.0		
NEIC	IX	15 02 05 04.2–.68	10.72S	113.66E	10	4.2b,4.0		
DJA	IX	15 02 05 07.4–1.9	11S–6.0	114E–3.0	36–49	6.2b,5.9		

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

(251) Samar

ISC	**IX**	**15 07 04 02.6–.85**	**12.62N–.03**	**125.60E–.04**	**32–5**	**5.0b,4.6s**	**511**	**1-166**
BJI	IX	15 07 03 56.7	12.41N	125.74E	17	5.3b,5.1s		**¶601717591**
MAN	IX	15 07 03 57.8	12.72N	125.83E	24	5.8b,5.3s		
IDC	IX	15 07 03 57.4–.37	12.53N	125.48E	0	5.0L,4.8		
ISCJB	IX	15 07 04 00.2–.75	12.63N–.02	125.62E–.03	28–5	4.8b,4.6s		
MOS	IX	15 07 04 00.7–1.1	12.51N	125.47E	33	5.3b,4.8s		
NEIC	IX	15 07 04 01.8–1.2	12.53N	125.52E	27–8	5.1b,4.8s		
GCMT	IX	15 07 04 02.8–.10	12.72N–.01	125.66E–.01	13–0	5.2W,4.8s		
DJA	IX	15 07 04 10.0–.90	13N–5.0	126E–3.0	112–8	5.5b,5.1b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Mapanas. Felt [I PIVS] at Tacloban, Leyte.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c107; s112,c175;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.32±.16 $M_{\theta\theta}$-0.65±.10; $M_{\phi\phi}$-4.66±.12; $M_{r\theta}$-1.69±.27; $M_{\theta\phi}$2.51±.07; $M_{\phi r}$5.22±.35; Best double couple: NP1:ϕ_s340.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s148.00000°,δ23.00000°,λ79.00000°. Principal axes: T 7.5940,Plg67.0000° ,Azm259.0000°; N 0.4960,Plg4.0000°,Azm158.0000°; P -8.0840,Plg22.0000°,Azm66.0000° $M_0$7.83900×10^{16}

(282) South of Jawa

ISC	**IX**	**15 09 03 01.1–1.6**	**10.69S–.08**	**113.73E–.04**	**40–15**	**4.0b**	**76**	**2-140**
IDC	IX	15 09 02 55.4–.83	10.58S	113.83E	0	4.1,4.0b		**¶602029932**
DJA	IX	15 09 02 56.1–.40	11S–5.0	114E–3.0	10	5.8b,5.4		
ISCJB	IX	15 09 02 59.4–.79	10.71S–.05	113.70E–.03	46–8	4.0b,3.0s		
NEIC	IX	15 09 02 59.0–2.6	10.70S	113.70E	25–19	4.2b,3.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=16.4km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=16.4.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.2km az=224.0.

(251) Samar

ISC	**IX**	**15 10 26 25.5–.50**	**12.59N–.02**	**125.60E–.03**	**33–3**	**5.3b,4.9s**	**906**	**1-171**
IDC	IX	15 10 26 20.5–.35	12.57N	125.51E	0	5.1,5.0		**¶601717681**
BJI	IX	15 10 26 20.7	12.30N	125.73E	32	5.5b,5.3s		
MAN	IX	15 10 26 21.3	12.72N	125.79E	23	5.9b,5.4s		
ISCJB	IX	15 10 26 23.1–.55	12.66N–.01	125.59E–.02	25–3	5.2b,4.8s		
MOS	IX	15 10 26 24.0–.95	12.58N	125.46E	33	5.6b,4.8s		
GCMT	IX	15 10 26 25.0–.10	12.70N–.01	125.64E–.01	13–0	5.4W,4.8s		
NEIC	IX	15 10 26 26.0–.11	12.56N	125.47E	35	5.3b,4.8s		
DJA	IX	15 10 26 36.4–.70	13N–5.0	126E–3.0	136–6	6.3,5.7b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c194; s130,c230;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-0.87±.01; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$0.49±.01; $M_{\phi r}$0.98±.05; Best double couple: NP1:ϕ_s342.00000°,δ67.00000°,λ97.00000°. NP2:ϕ_s144.00000°,δ24.00000°,λ74.00000°. Principal axes: T 1.4080,Plg67.0000° ,Azm265.0000°; N 0.1020,Plg6.0000°,Azm159.0000°; P -1.5110,Plg22.0000°,Azm67.0000° $M_0$1.45900×10^{17}
NEIC Event type fe. Felt [IV PIVS] at Gamay, Lapinig and Mapanas and [III PIVS] at Borongan, General MacArthur and San Policarpio. Also felt [III PIVS] at Tacloban, Leyte.

(282) South of Jawa

ISC	**IX**	**15 16 32 24.1–.54**	**10.74S–.03**	**113.94E–.03**	**29–3**	**5.6b,5.2s**	**1084**	**2-175**
BJI	IX	15 16 32 19.0	10.80S	113.95E	5	5.8b,5.5s		**¶601717919**
IDC	IX	15 16 32 19.8–.31	10.74S	113.86E	0	5.4,5.4b		
ISCJB	IX	15 16 32 21.7–.53	10.82S–.02	113.83E–.02	25–3	5.6b,5.2s		
NEIC	IX	15 16 32 21.5–.15	10.73S	113.87E	10	5.7W,5.6W		
NEIC	IX	15 16 32 21.0–.00	10.87S	113.96E	15	5.7W,5.6W		
MOS	IX	15 16 32 23.6–.99	10.63S	113.96E	33	5.8b,5.1s		
GCMT	IX	15 16 32 23.5–.10	10.97S	113.86E	12	5.7W,5.1s		
DJA	IX	15 16 32 24.4–.50	11S–1.0	114E–1.0	29–4	6.1,6.1b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Kuta and [II] at Denpasar, Tabanan and Ubud, Bali. Also felt at Gianyar and Sukawati. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.36 $M_{r\theta}$2.22 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.78 Best double couple: NP1:ϕ_s291.00000° ,δ74.00000°,λ-97.00000°. NP2:ϕ_s136.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 2.8700,Plg28.0000°,Azm27.0000°; N -0.1000,Plg7.0000°,Azm294.0000° ; P -2.7800,Plg61.0000°,Azm191.0000° $M_0$2.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.65 $M_{\theta\theta}$3.12 $M_{\phi\phi}$0.54 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s275.00000° ,δ56.00000°,λ-100.00000°. NP2:ϕ_s114.00000°,δ35.00000°,λ-74.00000°. Principal axes: T 3.5700,Plg10.0000°,Azm12.0000°; N 0.4500,Plg8.0000°,Azm281.0000° ; P -4.0200,Plg76.0000°,Azm151.0000° $M_0$3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c228; s136,c404;
Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.68±.03 $M_{\theta\theta}$3.86±.03; $M_{\phi\phi}$-0.18±.03; $M_{r\theta}$2.81±.08; $M_{\theta\phi}$-1.41±.03; $M_{\phi r}$-1.12±.09; Best double couple: NP1:ϕ_s290.00000°,δ64.00000° ,λ-87.00000°. NP2:ϕ_s104.00000°,δ27.00000°,λ-96.00000°. Principal axes: T 5.3160,Plg19.0000°,Azm18.0000°; N -0.6160,Plg3.0000°,Azm109.0000° ; P -4.7030,Plg71.0000°,Azm207.0000° $M_0$5.00900×10^{17}

(282) South of Jawa

ISC	**IX**	**15 17 35 43.5–.53**	**10.82S–.03**	**113.84E–.03**	**31–3**	**5.2b,4.4s**	**662**	**2-153**
IDC	IX	15 17 35 39.4–.37	10.71S	113.91E	0	5.0,4.9		**¶601717922**
NEIC	IX	15 17 35 41.0–.12	10.74S	113.88E	10	5.3b,4.9		
BJI	IX	15 17 35 41.5	10.90S	113.90E	30	5.3b,5.0b		
ISCJB	IX	15 17 35 42.9–.42	10.83S–.02	113.90E–.02	38–3	5.2b,4.3s		
GCMT	IX	15 17 35 42.0–.20	11.03S–.01	113.86E–.02	14–0	5.1W,4.3s		
DJA	IX	15 17 35 43.9–.30	11S–3.0	114E–1.0	58–13	6.6,5.5b		
MOS	IX	15 17 35 43.1–1.0	10.64S	113.92E	33	5.4b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=9.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=222.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=40.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s107,c170;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.46±.21 $M_{\theta\theta}$5.33±.15; $M_{\phi\phi}$0.12±.14; $M_{r\theta}$-0.46±.27; $M_{\theta\phi}$-1.37±.09; $M_{\phi r}$-1.21±.35; Best double couple: NP1:ϕ_s91.00000°,δ47.00000°,λ-108.00000°. NP2:ϕ_s297.00000°,δ46.00000°,λ-72.00000°. Principal axes: T 5.6710,Plg1.0000° ,Azm194.0000°; N 0.0830,Plg13.0000°,Azm104.0000°; P -5.7600,Plg77.0000° ,Azm287.0000° $M_0$5.71500×10^{16}
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=121.6.

(705) Off west coast of northern Sumatera

ISC	**IX**	**16 06 07 29.6–.37**	**3.53N–.04**	**90.18E–.04**	**35**	**4.7b,4.3s**	**167**	**5-155**
IDC	IX	16 06 07 24.4–.43	3.63N	90.15E	0	4.6L,4.4		**¶601717951**
DJA	IX	16 06 07 25.3–.30	4N–7.0	90E–3.0	10	5.6,5.5b		
BJI	IX	16 06 07 25.3	3.60N	90.10E	10	5.0b,4.9b		
NEIC	IX	16 06 07 26.1–.21	3.58N	90.13E	10	4.9b,4.9b		
ISCJB	IX	16 06 07 27.6–.24	3.61N–.04	90.24E–.03	33	4.6b,4.3s		
GCMT	IX	16 06 07 29.1–.20	3.62N–.01	90.24E–.01	27–1	5.1W,4.3s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c83; s103,c167;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.18 $M_{\theta\theta}$-4.21±.13; $M_{\phi\phi}$4.65±.14; $M_{r\theta}$-0.50±.28; $M_{\theta\phi}$-4.20±.14; $M_{\phi r}$-0.60±.29; Best double couple: NP1:ϕ_s23.00000°,δ87.00000°,λ-7.00000°. NP2:ϕ_s113.00000°,δ83.00000°,λ-177.00000°. Principal axes: T 6.3450,Plg3.0000° ,Azm68.0000°; N -0.3760,Plg82.0000°,Azm182.0000°; P -5.9700,Plg7.0000°,Azm338.0000° $M_0$6.15700×10^{16}

(248) Philippine Islands region

ISC	**IX**	**16 21 46 19.3–.57**	**10.66N–.03**	**126.82E–.04**	**46–5**	**5.2b,4.1s**	**560**	**2-170**
BJI	IX	16 21 46 14.3	10.23N	126.93E	46	5.5b,5.2b		**¶601718044**
MAN	IX	16 21 46 15.0	10.74N	126.90E	40	5.5b,4.8s		
GCMT	IX	16 21 46 15.9–.20	10.70N–.02	126.93E–.01	13–0	5.0W,4.8s		
ISCJB	IX	16 21 46 16.5–.48	10.67N–.02	126.79E–.03	35–4	5.1b,4.2s		
MOS	IX	16 21 46 16.2–1.0	10.64N	126.71E	33	5.5b,4.2s		
IDC	IX	16 21 46 18.3–2.9	10.60N	126.69E	39–25	4.9,4.8L		
NEIC	IX	16 21 46 18.9–.56	10.62N	126.72E	43–5	5.3b,4.8L		
DJA	IX	16 21 46 18.4–1.2	11N–7.0	127E–7.0	47–9	5.9,5.4b		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s97,c150;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.22±.16 $M_{\theta\theta}$-0.12±.09; $M_{\phi\phi}$3.34±.12; $M_{r\theta}$-0.11±.28; $M_{\theta\phi}$0.08±.07; $M_{\phi r}$-0.92±.23; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ-88.00000°. NP2:ϕ_s180.00000°,δ37.00000°,λ-92.00000°. Principal axes: T 3.4680,Plg8.0000° ,Azm92.0000°; N -0.1180,Plg2.0000°,Azm182.0000°; P -3.3480,Plg82.0000°,Azm283.0000° $M_0$3.40800×10^{16}
ISCJB Event type se.
NEIC Event type se.

(13) Kodiak Island region

ISC	**IX**	**18 01 44 49.7–.23**	**57.02N–.03**	**154.28W–.02**	**37–0**	**5.4b,4.6s**	**2037**	**0-166**
GCMT	IX	18 01 44 48.4–.20	56.85N–.02	154.39W–.02	30–0	5.2W,4.6s		**¶601725184**
ISCJB	IX	18 01 44 48.5–.22	57.13N–.01	154.25W–.02	35–1	5.4b,4.7s		
BJI	IX	18 01 44 48.0	57.10N	154.30W	53	5.5b,5.3b		
MOS	IX	18 01 44 48.0–.82	57.14N	154.45W	35	5.6b,4.7s		
NEIC	IX	18 01 44 50.4–.00	56.94N	154.14W	39	5.5b,5.1L		
IDC	IX	18 01 44 50.0–.37	57.08N	154.47W	37–2	5.2,5.1		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c116; s108,c186;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.20 $M_{\theta\theta}$-2.82±.16; $M_{\phi\phi}$6.18±.14; $M_{r\theta}$3.83±.28; $M_{\theta\phi}$2.56±.11; $M_{\phi r}$4.40±.22; Best double couple: NP1:ϕ_s223.00000°,δ74.00000°,λ-60.00000°. NP2:ϕ_s338.00000°,δ33.00000°,λ-151.00000°. Principal axes: T 9.1420,Plg24.0000° ,Azm290.0000°; N -2.0060,Plg29.0000°,Azm34.0000°; P -7.1460,Plg51.0000° ,Azm167.0000° $M_0$8.14400×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=19.2.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=91.1.
NEIC Event type fe. Felt [II] at Kodiak. After AEIC. Moment Tensor Solution. s31 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40 $M_{\theta\theta}$-4.23 $M_{\phi\phi}$4.62 $M_{r\theta}$-1.86 $M_{\theta\phi}$0.98 $M_{\phi r}$1.86 Best double couple: NP1:ϕ_s50.00000°,δ60.00000°,λ-5.00000°. NP2:ϕ_s142.00000°,δ86.00000°,λ-150.00000°. Principal axes: T 5.2500,Plg18.0000°,Azm272.0000°; N 0.0000,Plg60.0000°,Azm150.0000° ; P -5.2500,Plg24.0000°,Azm10.0000° $M_0$5.30000×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=7.0km az=6.0.

(274) Southern Sumatera

ISC	**IX**	**18 03 23 44.2–1.1**	**6.42S–.04**	**103.61E–.04**	**31–7**	**5.3b,4.3s**	**901**	**1-156**
IDC	IX	18 03 23 39.9–.42	6.23S	103.71E	0	5.0,5.0b		**¶601721804**
BJI	IX	18 03 23 40.7	6.20S	103.80E	10	5.4b,5.1b		
ISCJB	IX	18 03 23 42.8–.17	6.39S–.02	103.59E–.02	33	5.2b,4.2s		
DJA	IX	18 03 23 45.2–.20	6S–2.0	104E–2.0	49–2	5.5b,5.3		
NEIC	IX	18 03 23 45.8–.16	6.17S	103.74E	35	5.2b,5.3		
GCMT	IX	18 03 23 45.8–.40	6.53S–.03	103.44E–.03	35–0	5.0W,5.3		
MOS	IX	18 03 23 45.8–1.2	5.96S	103.77E	43	5.6b,5.3		

ISC Event type fe.
IDC Error ellipse: s-maj=14.1km s-min=10.2km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=30.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=220.0. Felt [III] at Kotaagung and Liwa.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c41; s51,c68;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.23 $M_{\theta\theta}$-2.04±.13; $M_{\phi\phi}$-1.38±.15; $M_{r\theta}$1.02±.12; $M_{\theta\phi}$1.48±.07; $M_{\phi r}$-1.24±.16; Best double couple: NP1:ϕ_s134.00000°,δ58.00000°,λ95.00000°. NP2:ϕ_s304.00000°,δ33.00000°,λ82.00000°. Principal axes: T 3.8080,Plg77.0000° ,Azm59.0000°; N -0.2180,Plg4.0000°,Azm311.0000°; P -3.5800,Plg13.0000°,Azm220.0000° $M_0$3.69400×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=116.1.

(705) Off west coast of northern Sumatera

ISC	**IX**	**18 09 35 01.9–.49**	**0.58N–.04**	**96.80E–.06**	**23**	**4.3b**	**73**	**1-144**
IDC	IX	18 09 34 58.1–.76	0.33N	96.56E	0	4.2,4.1		**¶601722615**
ISCJB	IX	18 09 35 00.2–.33	0.56N–.03	96.81E–.04	23	4.4b,3.8s		
DJA	IX	18 09 35 02.4–.90	1N–2.0	97E–4.0	27–8	6.5b,6.3		
NEIC	IX	18 09 35 03.1–.34	0.50N	96.86E	35	4.7b,6.3		

ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=14.3km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=158.2.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=215.0.

(282) South of Jawa

ISC	**IX**	**20 06 29 53.2–.88**	**10.85S–.08**	**113.89E–.07**	**35**	**4.0b**	**29**	**2-69**
ISCJB	IX	20 06 29 52.1–.67	10.81S–.06	113.86E–.05	33	4.0b,3.2s		**¶601863871**
DJA	IX	20 06 29 55.1–.70	11S–8.0	114E–3.0	54–55	5.7b,5.2		
IDC	IX	20 06 30 01.6–3.6	10.22S	114.58E	80–32	3.9,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=0.4.
IDC Error ellipse: s-maj=73.6km s-min=11.5km az=46.0.

(274) Southern Sumatera

ISC	**IX**	**20 20 47 44.7–.31**	**0.02S–.04**	**98.79E–.04**	**48**	**5.0b,4.3s**	**310**	**1-171**
BJI	IX	20 20 47 40.7	0.10S	98.70E	30	5.2b,5.1b		**¶601735539**
ISCJB	IX	20 20 47 42.9–.17	0.05S–.02	98.69E–.03	48	5.0b,4.3s		
MOS	IX	20 20 47 45.1–1.0	0.07S	98.80E	73	5.3b,4.3s		
NEIC	IX	20 20 47 46.6–.74	0.07S	98.82E	72–6	5.3b,4.3s		
DJA	IX	20 20 47 46.2–.20	0S–2.0	99E–2.0	49–2	5.7,5.5b		
GCMT	IX	20 20 47 46.6–.40	0.07S–.02	98.60E–.02	67–3	5.0W,5.5b		
IDC	IX	20 20 47 47.0–1.3	0.00S	98.83E	74–11	4.8,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.3km az=141.4.
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=60.0. Felt [III] at Airbangis.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s53,c68;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.18 $M_{\theta\theta}$1.33±.14; $M_{\phi\phi}$-1.56±.16; $M_{r\theta}$1.09±.13; $M_{\theta\phi}$-2.94±.12; $M_{\phi r}$-0.35±.16; Best double couple: NP1:ϕ_s76.00000°,δ80.00000°,λ163.00000°. NP2:ϕ_s168.00000°,δ74.00000°,λ10.00000°. Principal axes: T 3.5340,Plg19.0000° ,Azm31.0000°; N -0.1270,Plg71.0000°,Azm226.0000°; P -3.4140,Plg5.0000°,Azm123.0000° $M_0$3.47400×10^{16}
IDC Error ellipse: s-maj=12.7km s-min=7.1km az=62.0.

(259) Mindanao

ISC	**IX**	**21 15 25 04.1–1.4**	**9.71N–.04**	**126.60E–.08**	**55–13**	**4.1b,4.0s**	**94**	**1-146**
MAN	IX	21 15 24 59.3	9.74N	126.89E	86	5.6b,5.1s		**¶601863925**
ISCJB	IX	21 15 25 02.2–.80	9.73N–.03	126.64E–.06	50–6	4.1b,3.9s		
IDC	IX	21 15 25 02.0–4.2	9.68N	126.50E	33–32	5.5L,4.2		
NEIC	IX	21 15 25 10.4–1.6	9.68N	126.34E	114–15	4.7b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.3km az=162.9.
IDC Error ellipse: s-maj=28.9km s-min=12.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.8km az=73.0.

(259) Mindanao

ISC	**IX**	**21 15 26 55.4–1.6**	**9.77N–.04**	**126.71E–.05**	**17–10**	**4.3b**	**79**	**1-146**
MAN	IX	21 15 26 52.5	9.77N	126.99E	28	5.7b,5.2s		**¶601863956**
IDC	IX	21 15 26 52.7–.57	9.72N	126.40E	0	4.4,4.4L		

NEIC IX 21 15 27 03.9–1.7 9.67N 126.37E 94–17 4.6b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=12.5km az=74.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=70.0.

(364) Greece

ISC	**IX**	**22 03 52 26.4–.43**	**38.10N–.01**	**22.73E–.01**	**19–1**	**5.5b,4.6s**	**2029**	**0-137**
BEO	IX	22 03 52 11.4–1.2	37.15N	23.25E	0	5.3L,4.6s		**¶601736492**
BJI	IX	22 03 52 17.7	38.12N	22.15E	5	5.1b,5.0b		
LVSN	IX	22 03 52 21.0–2.2	37.99N	21.97E	0–999	4.4s,5.0b		
CNRM	IX	22 03 52 23.1	39.30N	23.86E	58	5.3L,5.0b		
GII	IX	22 03 52 24.7–.00	38.10N	22.77E	10	5.3L,5.0b		
THE	IX	22 03 52 24.7	38.08N	22.75E	0–1	4.9L,5.0b		
ISCJB	IX	22 03 52 24.1–.25	38.200N–.01	22.783E–.01	10–1	5.4b,4.5s		
ATH	IX	22 03 52 24.5	38.09N	22.74E	25–0	4.9L,4.5s		
MOS	IX	22 03 52 24.3–1.1	38.24N	22.83E	13	5.4b,4.5s		
NEIC	IX	22 03 52 26.1–.00	38.10N	22.77E	10	5.6b,5.1L		
NEIC	IX	22 03 52 26.0–.00	38.19N	22.42E	15	5.6b,5.1L		
PDG	IX	22 03 52 26.0–.63	38.15N	22.80E	24–1	5.3,4.9L		
IDC	IX	22 03 52 27.1–1.3	38.20N	22.80E	26–7	5.0,4.9		
GCMT	IX	22 03 52 28.1–.20	38.02N–.01	22.68E–.02	16–0	5.0W,4.9		
DDA	IX	22 03 52 39.0	38.17N	22.79E	21	5.1L,4.9		

ISC Event type fe.
BEO Event type ke.
LVSN Error ellipse: s-maj=999.9km s-min=409.8km az=-1.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=14.8.
ATH Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=244.0. Analyst: SpLiakopoulos
ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=4.2km s-min=2.5km az=90.9.
NEIC Event type fe. Felt at Argos, Corinth, Nafplio and in the Athens area. After THE.
NEIC Event type se. Moment Tensor Solution. s17 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.91 $M_{\theta\theta}$2.64 $M_{\phi\phi}$0.27 $M_{r\theta}$-1.89 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s117.00000° ,δ64.00000°,λ-81.00000°. NP2:ϕ_s279.00000°,δ27.00000°,λ-106.00000°. Principal axes: T 3.6600,Plg18.0000°,Azm201.0000°; N 0.0600,Plg7.0000°,Azm293.0000° ; P -3.7200,Plg69.0000°,Azm44.0000° $M_0$3.70000×10^{16}
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.
IDC Error ellipse: s-maj=9.0km s-min=8.7km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s93,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.13 $M_{\theta\theta}$3.05±.09; $M_{\phi\phi}$0.19±.08; $M_{r\theta}$-2.26±.23; $M_{\theta\phi}$-1.44±.06; $M_{\phi r}$-0.09±.26; Best double couple: NP1:ϕ_s99.00000°,δ62.00000°,λ-104.00000°. NP2:ϕ_s307.00000°,δ31.00000°,λ-65.00000°. Principal axes: T 4.2290,Plg16.0000° ,Azm199.0000°; N -0.1860,Plg13.0000°,Azm106.0000°; P -4.0450,Plg70.0000° ,Azm338.0000° $M_0$4.13700×10^{16}
DDA Event type ke.

(259) Mindanao

ISC	**IX**	**22 06 28 07.9–.97**	**9.76N–.03**	**126.56E–.06**	**46–9**	**4.5b**	**154**	**1-150**
IDC	IX	22 06 28 01.3–.49	9.75N	126.44E	0	4.5,4.5		**¶601767266**
MAN	IX	22 06 28 03.3	9.85N	126.72E	6	5.1b,4.2s		
DJA	IX	22 06 28 05.0–.80	10N–8.0	127E–7.0	25–4	5.7b,5.2		
ISCJB	IX	22 06 28 08.6–.56	9.71N–.03	126.45E–.05	68–5	4.3b,5.2		
NEIC	IX	22 06 28 11.3–.76	9.66N	126.36E	77–7	4.6b,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=10.9km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.1km az=163.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=74.0.

(173) Tonga Islands

ISC	**IX**	**22 06 58 27.0–.54**	**20.89S–.04**	**174.11W–.05**	**18–3**	**5.4b,5.1s**	**923**	**7-171**
IDC	IX	22 06 58 24.6–.37	20.88S	174.21W	0	5.2,5.2		**¶601736504**
BJI	IX	22 06 58 24.6	20.64S	174.02W	6	5.8b,5.5b		
ISCJB	IX	22 06 58 25.6–.10	20.94S–.02	174.14W–.03	16	5.3b,5.1s		
WEL	IX	22 06 58 26.0	20.90S	174.19W	11	5.3b,5.1s		
NEIC	IX	22 06 58 26.2–.09	20.90S	174.19W	11	5.6W,5.5W		
NEIC	IX	22 06 58 26.0–.00	20.72S	173.97W	15	5.6W,5.5W		
MOS	IX	22 06 58 28.7–1.0	20.79S	174.31W	33	5.5b,5.1s		
GCMT	IX	22 06 58 31.2–.10	21.06S–.01	173.68W–.01	16–0	5.5W,5.1s		

ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}2.51 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.20 $M_{\theta\phi}$-2.30 $M_{\phi r}$-0.87 Best double couple: NP1:ϕ_s215.00000° ,δ54.00000°,λ67.00000°. NP2:ϕ_s70.00000°,δ42.00000°,λ118.00000°. Principal axes: T 2.7700,Plg71.0000°,Azm69.0000°; N 0.9200,Plg18.0000°,Azm228.0000° ; P -3.6900,Plg6.0000°,Azm321.0000° $M_0$3.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-1.27 $M_{r\theta}$0.93 $M_{\theta\phi}$-0.60 $M_{\phi r}$1.88 Best double couple: NP1:ϕ_s26.00000° ,δ72.00000°,λ90.00000°. NP2:ϕ_s206.00000°,δ18.00000°,λ89.00000°. Principal axes: T 2.6400,Plg63.0000°,Azm296.0000°; N -0.0300,Plg0.0000°,Azm206.0000° ; P -2.6100,Plg26.0000°,Azm116.0000° $M_0$2.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c203; s127,c293; Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.02 $M_{\theta\theta}$-0.10±.02; $M_{\phi\phi}$-1.26±.02; $M_{r\theta}$0.72±.05; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$1.13±.05; Best double couple: NP1:ϕ_s29.00000°,δ67.00000° ,λ97.00000°. NP2:ϕ_s193.00000°,δ24.00000°,λ75.00000°. Principal axes: T 1.9060,Plg68.0000°,Azm311.0000°; N 0.0880,Plg6.0000°,Azm207.0000° ; P -1.9920,Plg22.0000°,Azm114.0000° $M_0$1.94900×10^{17}

(58) Near coast of Guerrero

ISC	**IX**	**22 12 29 58.2–.39**	**16.37N–.03**	**98.20W–.03**	**20–1**	**5.3b,5.1s**	**1297**	**0-150**
IDC	IX	22 12 29 54.7–.48	16.41N	98.19W	0	5.0,4.9		**¶601736795**
MOS	IX	22 12 29 56.8–.99	16.49N	97.99W	17	5.3b,5.0s		
MEX	IX	22 12 29 57.8–.49	16.26N	98.28W	5–2	5.4,5.0s		
NEIC	IX	22 12 29 58.0–.00	16.26N	98.28W	6	5.4,5.4b		
ISCJB	IX	22 12 30 00.1–.16	16.69N–.02	97.92W–.01	29	5.2b,5.1s		
BJI	IX	22 12 30 00.9	16.60N	98.00W	29	5.6s,5.5b		
GCMT	IX	22 12 30 01.0–.10	16.55N–.01	98.10W–.01	20–0	5.5W,5.5b		
UCR	IX	22 12 30 41.2–3.2	17.15N	94.73W	179–46	5.4b,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=46.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=99.0.
MEX Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt [II] at Mexico and Oaxaca. Also felt at Acatzingo, Atlixco, Chilpancingo, Ixtaczoquitlan, Jicayan, Pinotepa Nacional, Putla and Tlalnepantla. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=27.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c190; s123,c240;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.03 $M_{\theta\theta}$-1.39±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$1.33±.05; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$-0.96±.05; Best double couple: NP1:ϕ_s119.00000°,δ70.00000°,λ103.00000°. NP2:ϕ_s264.00000°,δ24.00000°,λ58.00000°. Principal axes: T 2.2250,Plg63.0000° ,Azm49.0000°; N -0.1190,Plg12.0000°,Azm294.0000°; P -2.1030,Plg24.0000° ,Azm199.0000° $M_0$2.16400×10^{17}
UCR Error ellipse: s-maj=20.5km s-min=144.2km az=-1.0.

(192) New Britain region

ISC	**IX**	**22 13 31 02.7–.33**	**6.33S–.05**	**151.23E–.05**	**36**	**4.9b,4.5s**	**203**	**2-156**
IDC	IX	22 13 30 56.9–.48	6.18S	151.17E	0	4.7,4.6		**¶604029860**
MOS	IX	22 13 31 00.2–1.2	6.23S	151.22E	35	4.9b,4.2s		
ISCJB	IX	22 13 31 00.9–.20	6.30S–.04	151.05E–.03	36	4.8b,4.5s		
BJI	IX	22 13 31 00.4	6.56S	151.37E	60	5.2b,4.9s		
GCMT	IX	22 13 31 03.3–.10	6.39S–.01	151.12E–.01	13–0	5.2W,4.9s		
NEIC	IX	22 13 31 04.3–.77	6.31S	151.12E	56–7	4.9b,4.9s		
DJA	IX	22 13 31 05.4–1.0	6S–5.0	151E–8.0	58–7	5.7b,5.5		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c155; s107,c205;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.02 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$-0.52±.03; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$-0.12±.03; Best double couple: NP1:ϕ_s77.00000°,δ64.00000°,λ-89.00000°. NP2:ϕ_s255.00000°,δ26.00000°,λ-92.00000°. Principal axes: T 0.8710,Plg19.0000° ,Azm166.0000°; N 0.0010,Plg1.0000°,Azm256.0000°; P -0.8710,Plg71.0000°,Azm348.0000° $M_0$0.87100×10^{17}
NEIC Event type se.

(410) Southern Mid-Atlantic Ridge

ISC	**IX**	**22 14 38 07.1–.44**	**32.44S–.08**	**14.19W–.10**	**10**	**4.7b,4.4s**	**57**	**5-151**
ISCJB	IX	22 14 38 05.5–.33	32.40S–.06	14.15W–.08	10	4.5b,4.4s		**¶601736803**
IDC	IX	22 14 38 05.4–.50	32.48S	14.21W	0	4.5,4.4		
NEIC	IX	22 14 38 07.0–.35	32.45S	14.14W	10	4.9b,4.4		
BJI	IX	22 14 38 07.0	32.30S	14.20W	10	5.5b,5.1s		
GCMT	IX	22 14 38 12.1–.20	32.38S–.01	13.95W–.01	18–1	5.1W,5.1s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c50; s100,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.17 $M_{\theta\theta}$-1.63±.13; $M_{\phi\phi}$3.63±.16; $M_{r\theta}$-0.31±.30; $M_{\theta\phi}$3.90±.10; $M_{\phi r}$-1.18±.33; Best double couple: NP1:ϕ_s344.00000°,δ89.00000°,λ-167.00000°. NP2:ϕ_s253.00000°,δ77.00000°,λ-1.00000°. Principal axes: T 5.8830,Plg9.0000° ,Azm118.0000°; N -2.1300,Plg77.0000°,Azm348.0000°; P -3.7530,Plg10.0000° ,Azm209.0000° $M_0$4.81800×10^{16}

(282) South of Jawa

ISC	**IX**	**22 23 05 07.4–.63**	**10.87S–.07**	**113.83E–.06**	**10**	**4.1b**	**36**	**2-98**
ISCJB	IX	22 23 05 05.3–.46	10.94S–.04	113.83E–.04	10	4.0b		**¶601737032**
IDC	IX	22 23 05 05.8–.84	10.82S	113.84E	0	4.2,4.1		
NEIC	IX	22 23 05 06.9–.53	10.96S	113.77E	10	4.0b,4.1		
DJA	IX	22 23 05 09.3–.50	11S–4.0	114E–3.0	10	5.7b,5.2		

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

(251) Samar

ISC	**IX**	**23 06 30 29.2–.38**	**12.97N–.03**	**125.28E–.05**	**30–2**	**4.7b,3.9s**	**231**	**1-149**
ISCJB	IX	23 06 30 26.9–.94	13.00N–.02	125.19E–.03	29–7	4.6b,4.0s		**¶601737040**
MOS	IX	23 06 30 27.3–1.3	12.77N	125.11E	37	4.7b,4.0s		
MAN	IX	23 06 30 28.3	12.94N	124.99E	51	5.7b,5.2s		
NEIC	IX	23 06 30 29.8–.30	12.84N	125.03E	43	4.9b,5.2s		
DJA	IX	23 06 30 29.8–.50	13N–3.0	126E–7.0	53–6	6.0,5.3		
IDC	IX	23 06 30 30.0–.47	12.78N	125.00E	43–4	4.5L,4.3		
BJI	IX	23 06 30 31.4	13.57N	125.80E	38	4.8b,4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=2.9km az=169.1.
MOS Error ellipse: s-maj=13.0km s-min=6.6km az=116.4.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.1km az=75.0. Felt [IV PIVS] at Laoang; [III PIVS] at Bobon, Catarman and Palapag; [II PIVS] at Allen.
IDC Error ellipse: s-maj=15.1km s-min=9.2km az=79.0.

(181) Fiji Islands region

ISC	**IX**	**23 06 40 57.1–.25**	**16.95S–.05**	**175.35E–.04**	**35**	**5.3b,4.7s**	**611**	**9-173**
IDC	IX	23 06 40 51.8–.43	16.90S	175.22E	0	5.2,5.1		**¶604029867**
BJI	IX	23 06 40 52.7	16.71S	175.96E	26	5.4b,5.2b		
MOS	IX	23 06 40 54.3–1.1	16.90S	175.16E	25	5.5b,4.7s		
ISCJB	IX	23 06 40 55.7–.13	16.96S–.03	175.13E–.03	33	5.2b,4.7s		
NEIC	IX	23 06 40 57.7–.78	16.93S	175.17E	39–7	5.3b,4.7s		
GCMT	IX	23 06 40 58.7–.10	16.81S–.01	175.13E–.01	13–0	5.4W,4.7s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c169; s125,c233;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.02 $M_{\theta\theta}$-0.55±.02; $M_{\phi\phi}$1.08±.02; $M_{r\theta}$-0.38±.04; $M_{\theta\phi}$1.03±.02; $M_{\phi r}$0.05±.04; Best double couple: NP1:ϕ_s67.00000°,δ73.00000°,λ-22.00000°. NP2:ϕ_s164.00000°,δ69.00000°,λ-162.00000°. Principal axes: T 1.5860,Plg3.0000° ,Azm116.0000°; N -0.3480,Plg62.0000°,Azm212.0000°; P -1.2330,Plg27.0000° ,Azm25.0000° $M_0$1.41000×10^{17}

(210) South of Mariana Islands

ISC	**IX**	**23 23 42 28.5–.70**	**11.73N–.03**	**143.42E–.04**	**19–2**	**5.4b,5.1s**	**738**	**2-174**
BJI	IX	23 23 42 24.9	11.73N	143.49E	12	5.2b,5.0b		**¶601738421**
IDC	IX	23 23 42 25.2–.36	11.75N	143.36E	0	5.1,5.0		
ISCJB	IX	23 23 42 26.0–.10	11.71N–.02	143.25E–.02	10	5.3b,5.0s		
MOS	IX	23 23 42 27.0–1.1	11.74N	143.21E	21	5.6b,4.9s		
NEIC	IX	23 23 42 27.1–1.6	11.71N	143.25E	9–10	5.5b,5.1s		
GCMT	IX	23 23 42 30.1–.10	11.53N–.01	143.24E–.01	12	5.3W,5.1s		
DJA	IX	23 23 42 33.9–.50	12N–3.0	144E–3.0	51–5	5.7b,5.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c153; s113,c232;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.01 $M_{\theta\theta}$-1.03±.01; $M_{\phi\phi}$0.11±.01; $M_{r\theta}$0.37±.03; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$-0.39±.04; Best double couple: NP1:ϕ_s103.00000°,δ58.00000°,λ118.00000°. NP2:ϕ_s238.00000°,δ41.00000°,λ54.00000°. Principal axes: T 1.1560,Plg65.0000° ,Azm64.0000°; N -0.0450,Plg23.0000°,Azm267.0000°; P -1.1110,Plg9.0000°,Azm173.0000° $M_0$1.13400×10^{17}

(248) Philippine Islands region

ISC	**IX**	**24 02 46 11.5–.67**	**10.27N–.03**	**126.85E–.05**	**28–4**	**4.9b,3.9s**	**273**	**1-170**
IDC	IX	24 02 46 07.0–.42	10.13N	126.65E	0	4.6,4.5		**¶601738431**
DJA	IX	24 02 46 06.0–1.0	11N–8.0	127E–9.0	10	5.6b,5.1		
BJI	IX	24 02 46 08.0	9.83N	126.86E	32	5.0b,4.8b		
ISCJB	IX	24 02 46 09.9–1.1	10.22N–.02	126.89E–.03	29–7	4.7b,3.9s		
MOS	IX	24 02 46 10.1–.96	10.15N	126.73E	30	5.1b,3.9s		
MAN	IX	24 02 46 10.0	10.35N	126.85E	19	5.0b,4.0s		
NEIC	IX	24 02 46 12.4–.20	10.14N	126.72E	35	4.9b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=9.5km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=158.2.
MOS Error ellipse: s-maj=15.8km s-min=5.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=3.9km az=68.0.

(173) Tonga Islands

ISC	**IX**	**24 10 31 22.9–.42**	**21.30S–.04**	**174.18W–.04**	**11–2**	**5.7b,5.4s**	**1244**	**5-178**
ISCJB	IX	24 10 31 20.5–1.6	21.26S–.02	174.26W–.02	3–9	5.6b,5.4s		**¶604029871**
IDC	IX	24 10 31 21.7–.39	21.25S	174.31W	0	5.4,5.4b		
BJI	IX	24 10 31 21.7	20.84S	173.95W	6	6.0b,5.6b		
NEIC	IX	24 10 31 23.3–.08	21.21S	174.29W	10	5.7b,5.5W		
WEL	IX	24 10 31 23.0	21.21S	174.29W	10	5.7b,5.5W		
MOS	IX	24 10 31 26.1–.88	21.11S	174.26W	33	5.8b,5.4s		
GCMT	IX	24 10 31 27.3–.10	21.47S–.01	173.64W–.01	13–0	5.5W,5.4s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s63 Moment tensor: Scale 10^{17}Nm; M_{rr}1.75 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$0.06 $M_{r\theta}$0.42 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s263.00000° ,δ38.00000°,λ100.00000°. NP2:ϕ_s71.00000°,δ53.00000°,λ83.00000°. Principal axes: T 1.8300,Plg81.0000°,Azm307.0000°; N 0.1400,Plg6.0000°,Azm76.0000° ; P -1.9700,Plg7.0000°,Azm167.0000° $M_0$1.90000×10^{17}
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c183; s132,c309;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.45±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-1.25±.02; $M_{r\theta}$0.59±.04; $M_{\theta\phi}$-0.61±.01; $M_{\phi r}$0.97±.04; Best double couple: NP1:ϕ_s29.00000°,δ64.00000°,λ94.00000°. NP2:ϕ_s200.00000°,δ27.00000°,λ82.00000°. Principal axes: T 1.8370,Plg71.0000° ,Azm308.0000°; N 0.0680,Plg4.0000°,Azm207.0000°; P -1.9050,Plg19.0000°,Azm116.0000° $M_0$1.87100×10^{17}

(173) Tonga Islands

ISC	**IX**	**24 14 24 03.3–1.4**	**19.2S–.20**	**174.1W–.20**	**35**	**4.2b**	**22**	**6-150**
IDC	IX	24 14 23 57.0–1.7	19.64S	173.93W	0	5.6,5.6s		**¶601777938**
NEIC	IX	24 14 23 59.0–.97	19.30S	174.23W	10	4.0b,5.6s		
ISCJB	IX	24 14 24 01.4–1.6	19.1S–.20	174.3W–.30	35	5.7s,4.2b		

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

(430) South of Africa

ISC	**IX**	**25 01 43 13.4–.24**	**53.21S–.05**	**25.53E–.06**	**10**	**5.2b,4.2s**	**456**	**17-169**
IDC	IX	25 01 43 11.6–.35	53.21S	25.54E	0	5.1,5.0		**¶601738956**
MOS	IX	25 01 43 12.2–1.0	53.17S	25.58E	10	5.2b,5.0		
ISCJB	IX	25 01 43 12.0–.20	53.14S–.04	25.49E–.08	10	5.1b,4.3s		
BJI	IX	25 01 43 13.6	53.62S	25.78E	14	5.5b,5.4s		
NEIC	IX	25 01 43 14.2–.83	53.21S	25.58E	15–4	5.2b,5.4s		

GCMT IX 25 01 43 17.2–.20 52.96S–.01 25.76E–.02 20–1 5.0W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c56; s95,c139;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.43±.15 $M_{\theta\theta}$2.19±.12; $M_{\phi\phi}$-3.62±.12; $M_{r\theta}$0.04±.23; $M_{\theta\phi}$2.19±.10; $M_{\phi r}$-1.32±.24; Best double couple: NP1:ϕ_s205.00000°,δ87.00000°,λ160.00000°. NP2:ϕ_s296.00000°,δ70.00000°,λ3.00000°. Principal axes: T 3.0310,Plg16.0000° ,Azm159.0000°; N 1.5870,Plg70.0000°,Azm18.0000°; P -4.6180,Plg12.0000°,Azm252.0000° M_o3.82400×10^{16}

(289) Timor region

ISC	**IX**	**25 03 08 15.8–.43**	**9.54S–.04**	**124.91E–.04**	**37–1**	**4.7b**	**281**	**1-154**
BJI	IX	25 03 08 06.3	10.06S	125.24E	21	5.0b,4.9b		**¶601738960**
IDC	IX	25 03 08 10.7–.47	9.27S	124.84E	0	4.7L,4.6		
ISCJB	IX	25 03 08 12.9–.18	9.49S–.03	125.02E–.02	33	4.8b,4.6		
MOS	IX	25 03 08 14.6–1.3	9.24S	124.78E	33	4.9b,4.6		
NEIC	IX	25 03 08 16.7–.23	9.43S	124.73E	35	4.8b,4.6		
DJA	IX	25 03 08 16.0–.20	10S–2.0	125E–2.0	10	5.5b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Kefamenanu.

(718) Hindu Kush region

ISC	**IX**	**25 08 33 00.5–.45**	**36.33N–.03**	**69.14E–.02**	**29–3**	**5.2b,4.8s**	**635**	**2-149**
ISCJB	IX	25 08 32 57.2–.65	36.30N–.02	69.19E–.02	16–4	5.1b,4.8s		**¶601739374**
GCMT	IX	25 08 32 59.7–.20	36.46N–.01	69.06E–.02	26–0	5.2W,4.8s		
MOS	IX	25 08 32 59.7–1.0	36.35N	69.18E	33	5.3b,4.9s		
BJI	IX	25 08 33 00.9	36.63N	69.28E	32	5.2b,5.1b		
NEIC	IX	25 08 33 00.7–1.2	36.28N	69.21E	30–8	5.2b,5.1b		
IDC	IX	25 08 33 00.4–3.8	36.24N	69.20E	31–27	4.8,4.7		
NNC	IX	25 08 33 01.6–1.8	36.78N	68.88E	0	5.7b,5.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=32.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c125; s97,c167;Duration: 1ŧ0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.19 $M_{\theta\theta}$-2.78±.14; $M_{\phi\phi}$-1.95±.13; $M_{r\theta}$-3.80±.31; $M_{\theta\phi}$-4.52±.11; $M_{\phi r}$-3.10±.29; Best double couple: NP1:ϕ_s231.00000°,δ65.00000°,λ93.00000°. NP2:ϕ_s43.00000°,δ25.00000°,λ83.00000°. Principal axes: T 6.5310,Plg70.0000° ,Azm147.0000°; N 2.1600,Plg3.0000°,Azm49.0000°; P -8.6910,Plg20.0000°,Azm318.0000° M_o7.61100×10^{16}
MOS Error ellipse: s-maj=4.8km s-min=3.8km az=95.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=189.0. Felt [II] at Kabul. Also felt at Ishkamesh and Kunduz. Felt in the Dushanbe area, Tajikistan.
IDC Error ellipse: s-maj=11.5km s-min=8.5km az=8.0.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=11.1km az=169.0.

(259) Mindanao

ISC	**IX**	**25 13 37 37.2–.38**	**9.81N–.04**	**126.58E–.06**	**42**	**4.3b**	**115**	**2-155**
BJI	IX	25 13 37 30.5	9.80N	126.50E	10	5.0b,4.5b		**¶601739652**
IDC	IX	25 13 37 31.4–.48	9.77N	126.19E	0	4.6L,4.4		
ISCJB	IX	25 13 37 35.4–.26	9.85N–.03	126.64E–.04	42	4.2b,3.3s		
MAN	IX	25 13 37 35.1	9.72N	126.71E	32	4.8b,3.8L		
NEIC	IX	25 13 37 36.5–.25	9.78N	126.35E	35	4.5b,3.8L		
DJA	IX	25 13 37 37.3–1.3	10N–10	126E–6.0	47–10	5.9b,5.5		

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

(173) Tonga Islands

ISC	**IX**	**25 18 33 05.0–.45**	**21.14S–.05**	**174.16W–.05**	**31–2**	**5.4b,5.2s**	**842**	**4-171**
IDC	IX	25 18 32 59.7–.40	21.30S	174.07W	0	5.1,5.0		**¶601739659**
ISCJB	IX	25 18 33 00.5–.10	21.23S–.03	174.32W–.03	10	5.3b,5.2s		
WEL	IX	25 18 33 01.0	21.19S	174.31W	10	5.3b,5.2s		
NEIC	IX	25 18 33 01.7–.10	21.19S	174.31W	10	5.4b,5.3s		
MOS	IX	25 18 33 02.3–.95	21.21S	174.31W	21	5.4b,5.2s		
BJI	IX	25 18 33 04.1	20.70S	174.01W	26	5.8b,5.3s		
GCMT	IX	25 18 33 04.7–.10	21.34S–.01	173.62W–.01	12	5.3W,5.3s		

ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c156; s124,c230;Duration: 1ŧ1
Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.01 $M_{\theta\theta}$0.08±.01; $M_{\phi\phi}$-1.17±.01; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$0.54±.04; Best double couple: NP1:ϕ_s12.00000°,δ59.00000°,λ100.00000°. NP2:ϕ_s172.00000°,δ33.00000°,λ74.00000°. Principal axes: T 1.2570,Plg74.0000° ,Azm310.0000°; N 0.0470,Plg9.0000°,Azm186.0000°; P -1.2980,Plg13.0000°,Azm94.0000° M_o1.27700×10^{17}

(48) Baja California

ISC	**IX**	**25 23 45 24.4–.42**	**24.77N–.03**	**110.18W–.03**	**8–2**	**6.2s,5.9b**	**2139**	**1-168**
BJI	IX	25 23 45 22.0	24.83N	110.21W	5	6.7b,6.3s		**¶601740398**
ISCJB	IX	25 23 45 23.7–.09	24.77N–.01	110.15W–.01	10	6.1s,5.9b		
IDC	IX	25 23 45 23.1–.29	24.82N	110.18W	0	5.9,5.9		
MOS	IX	25 23 45 24.5–1.1	24.75N	110.13W	20	6.2s,6.0b		
NEIC	IX	25 23 45 24.9–.11	24.67N	110.17W	10	6.3W,6.3W		
MEX	IX	25 23 45 25.7–.67	24.78N	110.23W	11–10	6.0,6.3W		
GCMT	IX	25 23 45 26.9–.00	24.92N	110.29W	12–0	6.3W,6.3W		
NEIC	IX	25 23 45 26.0–.00	24.84N	110.26W	25	6.3W,6.3W		
NEIC	IX	25 23 45 48.2–.00	25.46N	110.66W	25	6.3W,6.3W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=39.1.
IDC Error ellipse: s-maj=10.2km s-min=6.3km az=93.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=87.7.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=38.0. Felt [V] at La Paz; [III] at Cabo San Lucas, Los Cabos and Loreto; [II] at Todos Santos, Baja California Sur. Also felt at Constitucion and Santa Rosalia. Felt at Los Mochis, Sinaloa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.22 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$1.89 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s324.00000°,δ65.00000°,λ-125.00000°. NP2: ϕ_s203.00000°,δ42.00000°,λ-39.00000°. Principal axes: T 2.1200,Plg13.0000°,Azm78.0000° ; N -0.2800,Plg31.0000°,Azm340.0000°; P -1.8300,Plg56.0000°,Azm188.0000° M_o2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s186.00000°,δ48.00000°,λ-51.00000°. NP2:ϕ_s315.00000°,δ55.00000°,λ-125.00000°. Principal axes: T Plg4.0000°,Azm69.0000°; N Plg0.0000°,Azm0.0000°; P Plg62.0000° ,Azm166.0000°
MEX Error ellipse: s-maj=3.1km s-min=3.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c316; s136,c550; Duration: 3ŧ3 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.47±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$3.10±.01; $M_{r\theta}$1.01±.04; $M_{\theta\phi}$-0.88±.01; $M_{\phi r}$-0.41±.04; Best double couple: NP1:ϕ_s326.00000°,δ55.00000° ,λ-118.00000°. NP2:ϕ_s190.00000°,δ44.00000°,λ-56.00000°. Principal axes: T 3.3650,Plg6.0000°,Azm76.0000°; N -0.4530,Plg23.0000°,Azm343.0000° ; P -2.9170,Plg66.0000°,Azm180.0000° M_o3.14100×10^{18}
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.25 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$2.29 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.89 $M_{\phi r}$-1.60 Best double couple: NP1:ϕ_s326.00000° ,δ66.00000°,λ-104.00000°. NP2:ϕ_s178.00000°,δ27.00000°,λ-61.00000°. Principal axes: T 3.3100,Plg20.0000°,Azm66.0000°; N -0.1600,Plg12.0000°,Azm331.0000° ; P -3.1600,Plg65.0000°,Azm211.0000° M_o3.20000×10^{18}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.33 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$3.68 $M_{r\theta}$1.09 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s187.00000° ,δ58.00000°,λ-65.00000°. NP2:ϕ_s325.00000°,δ40.00000°,λ-124.00000°. Principal axes: T 4.1400,Plg10.0000°,Azm259.0000°; N -0.0500,Plg21.0000°,Azm353.0000° ; P -4.0800,Plg67.0000°,Azm146.0000° M_o4.10000×10^{18}

(173) Tonga Islands

ISC	**IX**	**26 01 41 42.1–.40**	**21.30S–.06**	**174.19W–.06**	**32–2**	**5.1b,4.9s**	**652**	**5-178**
IDC	IX	26 01 41 36.6–.39	21.31S	174.20W	0	5.0,4.9		**¶601740406**
MOS	IX	26 01 41 39.2–.95	21.18S	174.37W	19	5.3b,4.8s		
NEIC	IX	26 01 41 39.1–.11	21.21S	174.33W	10	5.1b,4.8s		
ISCJB	IX	26 01 41 41.5–.13	21.26S–.04	174.31W–.03	36	5.1b,4.8s		
BJI	IX	26 01 41 43.6	20.68S	173.89W	45	5.6b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=12.8km az=136.0.
MOS Error ellipse: s-maj=10.3km s-min=7.9km az=62.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=144.8.

(7) Andreanof Islands

ISC	**IX**	**26 23 39 56.5–.32**	**51.54N–.03**	**178.18W–.02**	**27–1**	**6.5s,6.1b**	**2783**	**0-160**
BJI	IX	26 23 39 54.0	51.61N	178.22W	31	6.7s,6.6		**¶601741086**
ISCJB	IX	26 23 39 55.8–.31	51.62N–.02	178.19W–.01	33–2	6.5s,6.0b		
NEIC	IX	26 23 39 55.1–.07	51.59N	178.30W	16	6.5s,6.5		
MOS	IX	26 23 39 56.2–1.1	51.63N	178.22W	37	6.4s,6.1b		
IDC	IX	26 23 39 56.5–.85	51.70N	178.22W	25–4	6.3s,6.3		
NEIC	IX	26 23 39 58.0–.00	51.28N	178.20W	23	6.3s,6.3		
GCMT	IX	26 23 39 59.1–.00	51.56N	178.08W	15–0	6.5W,6.3		
NEIC	IX	26 23 40 13.8–.00	51.63N	178.31W	22	6.5W,6.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=179.4.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=170.0. Felt [VII] on Adak. Also felt on Atka. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s12 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.98 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$3.31 $M_{r\theta}$2.19 $M_{\theta\phi}$-2.19 $M_{\phi r}$0.98 Best double couple: NP1:ϕ_s302.00000° ,δ60.00000°,λ-147.00000°. NP2:ϕ_s194.00000°,δ62.00000°,λ-35.00000°. Principal axes: T 4.1800,Plg1.0000°,Azm249.0000°; N 0.3100,Plg46.0000°,Azm340.0000° ; P -4.4900,Plg44.0000°,Azm158.0000° M_o4.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s330.00000°,δ54.00000°,λ-149.00000°. NP2: ϕ_s220.00000°,δ65.00000°,λ-40.00000°. Principal axes: T Plg6.0000°,Azm277.0000° ; N Plg0.0000°,Azm0.0000°; P Plg45.0000°,Azm180.0000°
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=100.1.
IDC Error ellipse: s-maj=8.6km s-min=5.5km az=163.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.21 $M_{\theta\theta}$-2.13 $M_{\phi\phi}$4.35 $M_{r\theta}$1.33 $M_{\theta\phi}$-2.03 $M_{\phi r}$2.37 Best double couple: NP1:ϕ_s199.00000° ,δ72.00000°,λ-44.00000°. NP2:ϕ_s306.00000°,δ48.00000°,λ-155.00000°. Principal axes: T 5.4400,Plg14.0000°,Azm257.0000°; N -0.8400,Plg42.0000°,Azm1.0000° ; P -4.5900,Plg43.0000°,Azm152.0000° M_o5.10000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c351; s143,c610; Duration: 4ŧ3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.07±.03 $M_{\theta\theta}$-1.91±.03; $M_{\phi\phi}$4.98±.02; $M_{r\theta}$4.04±.10; $M_{\theta\phi}$-2.73±.02; $M_{\phi r}$1.97±.08; Best double couple: NP1:ϕ_s197.00000°,δ63.00000° ,λ-39.00000°. NP2:ϕ_s307.00000°,δ56.00000°,λ-147.00000°. Principal axes: T 5.9720,Plg4.0000°,Azm253.0000°; N 1.4680,Plg44.0000°,Azm347.0000° ; P -7.4400,Plg46.0000°,Azm158.0000° M_o6.70600×10^{18}
NEIC Event type se. Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.34 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$5.10 $M_{r\theta}$1.22 $M_{\theta\phi}$-2.52 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s192.00000° ,δ63.00000°,λ-47.00000°. NP2:ϕ_s309.00000°,δ49.00000°,λ-142.00000°. Principal axes: T 6.1000,Plg8.0000°,Azm253.0000°; N -1.3000,Plg37.0000°,Azm349.0000° ; P -4.7900,Plg52.0000°,Azm153.0000° M_o5.50000×10^{18}

(193) Bougainville-Solomon Islands region

ISC	**IX**	**27 23 53 49.7–.83**	**8.85S–.04**	**157.52E–.04**	**14–4**	**5.5b,5.4s**	**649**	**2-163**
IDC	IX	27 23 53 46.4–.38	8.76S	157.50E	0	5.2,5.2		**¶601751839**
ISCJB	IX	27 23 53 47.6–.11	8.85S–.02	157.45E–.02	10	5.4b,5.4s		
BJI	IX	27 23 53 48.3	8.80S	157.50E	10	5.9b,5.7s		
NEIC	IX	27 23 53 49.0–.00	8.82S	157.46E	11	5.9b,5.7s		
NEIC	IX	27 23 53 49.0–.14	8.84S	157.46E	10	6.0W,5.8W		
MOS	IX	27 23 53 50.3–1.5	8.71S	157.29E	23	5.6b,5.3s		
GCMT	IX	27 23 53 53.0–.10	8.99S–.01	157.50E–.01	12	5.8W,5.3s		
NEIC	IX	27 23 54 01.7–.00	8.30S	156.70E	10	5.8W,5.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=177.3.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-3.15 $M_{r\theta}$3.64 $M_{\theta\phi}$1.38 $M_{\phi r}$-3.33 Best double couple: NP1:ϕ_s138.00000° ,δ73.00000°,λ77.00000°. NP2:ϕ_s356.00000°,δ21.00000°,λ126.00000°. Principal axes: T 6.1900,Plg60.0000°,Azm29.0000°; N -0.2100,Plg12.0000°,Azm141.0000° ; P -5.9800,Plg26.0000°,Azm238.0000° M_o6.10000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.2km az=133.0. Felt at Gizo. Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ86.00000°,λ91.00000°. NP2: ϕ_s315.00000°,δ4.00000°,λ80.00000°. Principal axes: T 1.0200,Plg49.0000°,Azm56.0000° ; N 0.0600,Plg1.0000°,Azm325.0000°; P -1.0800,Plg41.0000°,Azm234.0000°
MOS Error ellipse: s-maj=9.1km s-min=7.8km az=101.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c234; s139,c389; Duration: 1ŧ9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.54±.03 $M_{\theta\theta}$-1.12±.03; $M_{\phi\phi}$-2.42±.03; $M_{r\theta}$2.35±.09; $M_{\theta\phi}$1.88±.03; $M_{\phi r}$-4.03±.09; Best double couple: NP1:ϕ_s149.00000°,δ71.00000° ,λ93.00000°. NP2:ϕ_s320.00000°,δ19.00000°,λ82.00000°. Principal axes: T 5.8240,Plg64.0000°,Azm63.0000°; N 0.1990,Plg3.0000°,Azm328.0000° ; P -6.0230,Plg26.0000°,Azm236.0000° M_o5.92400×10^{17}
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}3.32 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.47 $M_{\theta\phi}$1.87 $M_{\phi r}$-4.83 Best double couple: NP1:ϕ_s166.00000° ,δ74.00000°,λ106.00000°. NP2:ϕ_s301.00000°,δ23.00000°,λ47.00000°. Principal axes: T 6.2200,Plg58.0000°,Azm98.0000°; N -0.5700,Plg15.0000°,Azm342.0000° ; P -5.6500,Plg27.0000°,Azm244.0000° M_o5.90000×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**IX**	**28 23 22 32.3–.27**	**8.99S–.04**	**157.50E–.04**	**17**	**5.2b,4.5s**	**340**	**2-156**
IDC	IX	28 23 22 28.5–.46	8.86S	157.52E	0	4.8,4.7		**¶601766610**
GCMT	IX	28 23 22 30.7–.20	9.02S–.01	157.52E–.01	17–1	5.2W,4.7		
ISCJB	IX	28 23 22 31.0–.14	8.96S–.03	157.41E–.03	17	5.0b,4.5s		
BJI	IX	28 23 22 30.5	8.90S	157.40E	10	5.5b,5.3s		
NEIC	IX	28 23 22 32.7–1.5	8.93S	157.43E	20–10	5.2b,5.3s		
MOS	IX	28 23 22 33.4–1.2	8.90S	157.35E	33	5.3b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=12.5km az=99.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c87; s94,c137;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.17 $M_{\theta\theta}$0.18±.13; $M_{\phi\phi}$-2.04±.15; $M_{r\theta}$2.68±.41; $M_{\theta\phi}$4.91±.14; $M_{\phi r}$-4.68±.52; Best double couple: NP1:ϕ_s168.00000°,δ79.00000°,λ122.00000°. NP2:ϕ_s275.00000°,δ34.00000°,λ20.00000°. Principal axes: T 5.1080,Plg46.0000° ,Azm111.0000°; N 3.5660,Plg31.0000°,Azm341.0000°; P -8.6740,Plg27.0000° ,Azm233.0000° M_o6.89100×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=147.5.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.9km az=157.0.
MOS Error ellipse: s-maj=8.9km s-min=7.6km az=45.6.

(58) Near coast of Guerrero

ISC	**IX**	**29 07 11 11.6–.84**	**16.10N–.04**	**98.62W–.03**	**13–4**	**5.3b,4.9s**	**1263**	**1-155**
IDC	IX	29 07 11 09.1–.64	16.09N	98.50W	0	4.7,4.7		**¶601767112**
MEX	IX	29 07 11 10.6–.45	15.88N	98.67W	17–13	5.5,4.7		
NEIC	IX	29 07 11 12.9–.16	16.30N	98.39W	12	5.7,5.5W		
ISCJB	IX	29 07 11 12.5–.79	16.37N–.02	98.32W–.02	19–5	5.2b,4.9s		
MOS	IX	29 07 11 13.3–1.0	16.45N	98.38W	20	5.5b,4.9s		
GCMT	IX	29 07 11 13.9–.20	16.17N–.01	98.52W–.01	12	5.3W,4.9s		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Mexico. Also felt at Acatzingo, Chilpancingo, Coacalco, Cuajinicuilapa, Ecatepec, Huixquilucan, Naucalpan, Pinotepa Nacional and Puebla. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.56 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s109.00000°,δ74.00000°,λ86.00000°. NP2:ϕ_s304.00000° ,δ17.00000°,λ104.00000°. Principal axes: T 1.9300,Plg61.0000°,Azm13.0000° ; N 0.0400,Plg4.0000°,Azm110.0000°; P -1.9700,Plg28.0000°,Azm203.0000° M_o2.00000×10^{17}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c149; s119,c237;Duration: 1ŧ1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.01 $M_{\theta\theta}$-0.87±.01; $M_{\phi\phi}$-0.08±.01; $M_{r\theta}$0.62±.04; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.58±.04; Best double couple: NP1:ϕ_s123.00000°,δ66.00000°,λ103.00000°. NP2:ϕ_s273.00000°,δ27.00000°,λ63.00000°. Principal axes: T 1.3190,Plg66.0000° ,Azm57.0000°; N -0.0790,Plg12.0000°,Azm298.0000°; P -1.2390,Plg20.0000° ,Azm204.0000° M_o1.27900×10^{17}

(704) Nicobar Islands region

ISC	**IX**	**29 11 24 34.4–.25**	**6.06N–.03**	**92.77E–.03**	**39–1**	**5.1b,4.7s**	**715**	**1-159**
IDC	IX	29 11 24 29.0–.40	6.15N	92.77E	0	5.3L,4.7		**¶601767286**
ISCJB	IX	29 11 24 30.2–.66	6.06N–.02	92.77E–.02	20–4	5.1b,4.7s		
BJI	IX	29 11 24 30.6	5.97N	92.80E	29	5.2b,5.2b		
DJA	IX	29 11 24 31.4–.20	6N–2.0	93E–2.0	10	6.4,5.7		
MOS	IX	29 11 24 31.8–.95	6.15N	92.83E	30	5.3b,4.6s		
NEIC	IX	29 11 24 32.6–.91	6.11N	92.78E	23–6	5.3b,4.6s		

GCMT IX 29 11 24 33.7–.10 6.12N–.01 92.73E–.01 24–0 5.4W,4.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c129; s114,c212;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25±.02 $M_{\theta\theta}$-0.75±.02; $M_{\phi\phi}$0.99±.02; $M_{r\theta}$0.11±.03; $M_{\theta\phi}$-1.01±.02; $M_{\phi r}$-0.58±.04; Best double couple: NP1:ϕ_s201.00000°,δ85.00000°,λ19.00000°. NP2:ϕ_s109.00000°,δ71.00000°,λ174.00000°. Principal axes: T 1.6340,Plg17.0000° ,Azm66.0000°; N -0.3970,Plg70.0000°,Azm216.0000°; P -1.2370,Plg9.0000°,Azm333.0000° M_o1.43500×10^{17}

(705) Off west coast of northern Sumatera

ISC	**IX**	**30 01 52 26.7–.75**	**2.54N–.04**	**89.66E–.04**	**16–4**	**4.8b,4.1s**	**409**	**6-154**
BJI	IX	30 01 52 23.7	2.60N	89.70E	10	5.0b,4.8b		**¶601767310**
ISCJB	IX	30 01 52 23.0–1.1	2.56N–.03	89.65E–.02	4–7	4.7b,4.0s		
IDC	IX	30 01 52 24.0–.38	2.59N	89.70E	0	4.7,4.6L		
MOS	IX	30 01 52 24.0–.98	2.64N	89.70E	11	5.0b,4.6L		
NEIC	IX	30 01 52 25.7–.16	2.61N	89.70E	10	4.9b,4.6L		
GCMT	IX	30 01 52 27.7–.40	2.59N–.03	89.70E–.02	26–2	4.9W,4.6L		
DJA	IX	30 01 52 35.0–.40	3N–4.0	90E–3.0	51–4	5.5,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s70,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.17 $M_{\theta\theta}$-1.47±.12; $M_{\phi\phi}$1.01±.10; $M_{r\theta}$-1.13±.26; $M_{\theta\phi}$-1.03±.09; $M_{\phi r}$-2.39±.39; Best double couple: NP1:ϕ_s209.00000°,δ85.00000°,λ59.00000°. NP2: ϕ_s111.00000°,δ31.00000°,λ170.00000°. Principal axes: T 3.1430,Plg42.0000°,Azm90.0000° ; N -0.0370,Plg31.0000°,Azm212.0000°; P -3.1010,Plg33.0000°,Azm325.0000° M_o3.12200×10^{16}

(611) North Pacific Ocean

ISC	**IX**	**30 15 35 52.9–.42**	**23.05N–.03**	**146.09E–.04**	**29–2**	**5.4b,4.6s**	**1023**	**5-165**
NIED	IX	30 15 35 00	24.10N	146.40E	17	5.1W,4.6s		**¶601768555**
IDC	IX	30 15 35 48.0–.33	22.91N	146.07E	0	5.2,5.2		
MOS	IX	30 15 35 48.9–.95	23.04N	146.01E	12	5.6b,4.6s		
ISCJB	IX	30 15 35 51.9–.09	22.99N–.02	146.07E–.02	33	5.3b,4.6s		
BJI	IX	30 15 35 52.3	22.99N	145.93E	31	5.3b,5.1b		
GCMT	IX	30 15 35 53.7–.20	23.08N–.01	146.16E–.02	12	5.3W,5.1b		
NEIC	IX	30 15 35 53.7–.46	23.00N	146.04E	36–4	5.4b,5.1b		
JMA	IX	30 15 35 54.2–.20	24.14N	146.45E	0	6.1,5.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ18.00000°,λ-176.00000°. NP2:ϕ_s304.00000°,δ89.00000°,λ-72.00000°. M_o5.67000×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=8.3km az=84.0.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=108.6.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=158.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c69; s95,c188;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94±.02 $M_{\theta\theta}$0.80±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$-0.11±.06; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.20±.07; Best double couple: NP1:ϕ_s129.00000°,δ51.00000°,λ-79.00000°. NP2:ϕ_s292.00000°,δ41.00000°,λ-103.00000°. Principal axes: T 1.1880,Plg5.0000° ,Azm211.0000°; N -0.2170,Plg9.0000°,Azm302.0000°; P -0.9710,Plg80.0000°,Azm91.0000° M_o1.08000×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=105.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.

(54) Off coast of Jalisco

ISC	**X**	**01 17 32 29.4–.35**	**18.67N–.04**	**107.08W–.04**	**10**	**5.1b,4.6s**	**869**	**2-147**
ISCJB	X	01 17 32 27.0–.23	18.62N–.03	107.11W–.02	10	5.0b,4.6s		**¶601775520**
IDC	X	01 17 32 27.1–.68	18.69N	107.29W	0	4.7,4.6L		
NEIC	X	01 17 32 28.9–.26	18.61N	107.16W	10	5.3,5.2W		
MOS	X	01 17 32 29.5–1.2	18.73N	107.13W	21	5.2b,5.2W		
MEX	X	01 17 32 29.8–.50	18.69N	106.88W	5	5.3,5.2W		
BJI	X	01 17 32 30.6	18.70N	107.20W	21	5.5b,5.4b		
GCMT	X	01 17 32 31.0–.10	18.80N–.01	107.19W–.01	25–0	5.5W,5.4b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46 $M_{\theta\theta}$-3.27 $M_{\phi\phi}$4.72 $M_{r\theta}$1.58 $M_{\theta\phi}$-4.93 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s291.00000° ,δ74.00000°,λ-166.00000°. NP2:ϕ_s198.00000°,δ77.00000°,λ-16.00000°. Principal axes: T 7.0800,Plg2.0000°,Azm245.0000°; N -0.7500,Plg69.0000°,Azm339.0000° ; P -6.3300,Plg21.0000°,Azm154.0000° M_o6.70000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c168; s116,c220;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.03 $M_{\theta\theta}$-1.10±.03; $M_{\phi\phi}$1.17±.03; $M_{r\theta}$-0.35±.05; $M_{\theta\phi}$-1.64±.02; $M_{\phi r}$-0.07±.06; Best double couple: NP1:ϕ_s108.00000°,δ85.00000° ,λ-171.00000°. NP2:ϕ_s17.00000°,δ81.00000°,λ-5.00000°. Principal axes: T 2.0340,Plg3.0000°,Azm242.0000°; N -0.0160,Plg80.0000°,Azm137.0000° ; P -2.0210,Plg10.0000°,Azm333.0000° M_o2.02700×10^{17}

(229) Off east coast of Honshu

ISC	**X**	**01 22 21 46.1–.37**	**39.82N–.02**	**143.21E–.02**	**18–1**	**5.9s,5.7b**	**1990**	**1-163**
NIED	X	01 22 21 00	39.80N	143.50E	20	6.0W,5.7b		**¶601776277**
BJI	X	01 22 21 41.8	39.74N	143.12E	7	6.5,6.5s		
IDC	X	01 22 21 42.9–.38	39.81N	143.24E	0	6.0,6.0s		
JMA	X	01 22 21 42.6–.20	39.83N	143.52E	22–4	6.3,6.0s		
ISCJB	X	01 22 21 43.6–.51	39.79N–.02	143.20E–.01	11–3	5.9s,5.6b		
NEIC	X	01 22 21 45.0–.00	39.85N	143.05E	19	5.9s,5.6b		
NEIC	X	01 22 21 46.0–.07	39.81N	143.10E	15	6.1,6.1W		
MOS	X	01 22 21 47.3–.92	39.89N	143.11E	36	6.1s,5.9b		
GCMT	X	01 22 21 50.0–.10	39.86N	143.30E	21–0	6.0W,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ25.00000°,λ40.00000°. NP2:ϕ_s40.00000°,δ74.00000°,λ110.00000°. M_o1.29000×10^{18}
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=100.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=158.5.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.08 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s20.00000° ,δ81.00000°,λ91.00000°. NP2:ϕ_s191.00000°,δ9.00000°,λ81.00000°. Principal axes: T 1.6500,Plg53.0000°,Azm291.0000°; N -0.1000,Plg1.0000°,Azm199.0000° ; P -1.5500,Plg36.0000°,Azm108.0000° M_o1.60000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=146.0. Felt at Misawa, Miyako, Tagajo, Wakuya and Yuzawa. Recorded [3 JMA] in Akita, Aomori, Iwate and Miyagi. Also recorded [3 JMA] in southwestern Hokkaido. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.65 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ16.00000°,λ88.00000°. NP2:ϕ_s33.00000° ,δ74.00000°,λ91.00000°. Principal axes: T 1.2600,Plg61.0000°,Azm304.0000° ; N 0.1400,Plg1.0000°,Azm212.0000°; P -1.4000,Plg29.0000°,Azm122.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ10.00000° ,λ90.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm290.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm110.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=98.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c287; s143,c481; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.73±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.74±.01; $M_{r\theta}$0.60±.01; $M_{\theta\phi}$-0.20±.00; $M_{\phi r}$1.01±.02; Best double couple: NP1:ϕ_s28.00000°,δ74.00000° ,λ99.00000°. NP2:ϕ_s179.00000°,δ18.00000°,λ62.00000°. Principal axes: T 1.3930,Plg60.0000°,Azm310.0000°; N 0.0120,Plg8.0000°,Azm206.0000° ; P -1.4050,Plg29.0000°,Azm111.0000° M_o1.39900×10^{18}

(229) Off east coast of Honshu

ISC	**X**	**01 22 55 48.3–.39**	**39.80N–.04**	**143.33E–.04**	**21–3**	**5.1b**	**904**	**1-146**
NIED	X	01 22 55 00	39.80N	143.50E	23	5.0W		**¶601776279**
JMA	X	01 22 55 44.6–.20	39.78N	143.53E	20–4	5.0		
ISCJB	X	01 22 55 47.5–.82	39.76N–.02	143.22E–.02	24–5	5.7s,5.0b		
NEIC	X	01 22 55 47.2–.12	39.74N	143.19E	10	5.2b,5.0b		
BJI	X	01 22 55 48.2	39.78N	143.19E	33	5.7b,5.2s		
MOS	X	01 22 55 49.7–.92	39.88N	143.20E	36	5.4b,5.2s		
IDC	X	01 22 55 49.2–4.1	39.70N	143.30E	28–28	4.7s,4.7		
GCMT	X	01 22 55 52.2–.40	39.79N–.03	143.35E–.03	14	5.3W,4.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ22.00000°,λ89.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ91.00000°. M_o3.95000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Iwate.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c60; s62,c81;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-0.27±.02; $M_{r\theta}$0.48±.05; $M_{\theta\phi}$-0.05±.02; $M_{\phi r}$0.88±.05; Best double couple: NP1:ϕ_s28.00000°,δ82.00000°,λ94.00000°. NP2:ϕ_s184.00000°,δ9.00000°,λ66.00000°. Principal axes: T 1.0650,Plg53.0000° ,Azm302.0000°; N -0.0480,Plg4.0000°,Azm207.0000°; P -1.0180,Plg37.0000° ,Azm115.0000° M_o1.04100×10^{17}

(706) Northern Sumatera

ISC	**X**	**01 23 21 43.2–.52**	**5.12N–.06**	**94.58E–.06**	**50**	**4.1b**	**69**	**2-142**
ISCJB	X	01 23 21 41.6–.40	5.14N–.06	94.58E–.05	50	4.1b		**¶601836629**
NEIC	X	01 23 21 42.7–1.1	4.99N	94.49E	47–10	4.3b		
IDC	X	01 23 21 45.1–3.5	5.28N	94.79E	60–32	4.1,3.9		
DJA	X	01 23 21 49.9–.70	5N–3.0	95E–6.0	52	5.6b,5.1		

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

(259) Mindanao

ISC	**X**	**02 06 25 32.2–.38**	**8.26N–.02**	**123.20E–.03**	**43–3**	**5.2b,4.4s**	**636**	**0-166**
BJI	X	02 06 25 27.6	8.03N	123.61E	43	5.2b,5.1b		**¶601776163**
MAN	X	02 06 25 28.9	8.19N	123.08E	24	5.8b,5.2s		
GCMT	X	02 06 25 30.6–.20	8.25N–.01	123.06E–.01	25–1	5.1W,5.2s		
MOS	X	02 06 25 31.2–.95	8.40N	123.36E	51	5.6b,4.4s		
ISCJB	X	02 06 25 31.4–.27	8.30N–.01	123.30E–.02	53–2	5.2b,4.4s		
NEIC	X	02 06 25 32.6–.49	8.30N	123.29E	52–4	5.3b,4.4s		
DJA	X	02 06 25 34.2–.50	8N–3.0	123E–2.0	46–4	5.5,5.5b		
IDC	X	02 06 25 36.0–1.7	8.34N	123.35E	80–15	5.1,4.8		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c79; s108,c176;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.16 $M_{\theta\theta}$3.24±.13; $M_{\phi\phi}$-4.83±.14; $M_{r\theta}$2.10±.31; $M_{\theta\phi}$3.78±.11; $M_{\phi r}$1.83±.33; Best double couple: NP1:ϕ_s19.00000°,δ75.00000°,λ153.00000°. NP2:ϕ_s117.00000°,δ64.00000°,λ17.00000°. Principal axes: T 6.2420,Plg30.0000° ,Azm336.0000°; N 0.2090,Plg59.0000°,Azm172.0000°; P -6.4400,Plg7.0000°,Azm70.0000° M_o6.34100×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=117.3.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=174.9.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=82.0. Felt [IV PIVS] at Pagadian and Sindangan; [III PIVS] at Labason, Oroquieta, Polanco and Zamboanga City; [II PIVS] at Dipolog, Lugait, Manucan and Tampilisan; [I PIVS] at Cagayan de Oro. Also felt at Clarin, Dumalinao, Linamon, Ozamiz City, Sergio Osmena Sr. and Tangub. Felt [III PIVS] at Dumaguete and Sibulan, Negros. Also felt at Dauin and Siaton. Felt [I PIVS] at Cebu City, Cebu and at Iloilo, Panay. Also felt on Siquijor Island.
IDC Error ellipse: s-maj=12.9km s-min=8.3km az=75.0.

(173) Tonga Islands

ISC	**X**	**02 11 35 50.5–.26**	**21.19S–.05**	**174.37W–.06**	**27**	**5.1b,4.7s**	**639**	**5-171**
IDC	X	02 11 35 46.2–.39	21.18S	174.39W	0	5.0,4.9		**¶601776289**
NEIC	X	02 11 35 47.9–.10	21.16S	174.41W	10	5.1b,4.9		
ISCJB	X	02 11 35 49.2–.10	21.12S–.03	174.41W–.03	27	5.1b,4.7s		
MOS	X	02 11 35 50.2–.85	21.07S	174.47W	33	5.2b,4.7s		
BJI	X	02 11 35 51.2	20.88S	174.24W	36	5.5b,5.2b		
GCMT	X	02 11 35 51.8–.10	21.28S–.01	173.85W–.01	18–0	5.3W,5.2b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c144; s122,c229;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.02 $M_{\theta\theta}$-0.17±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$0.43±.03; Best double couple: NP1:ϕ_s33.00000°,δ60.00000°,λ95.00000°. NP2:ϕ_s203.00000°,δ30.00000°,λ81.00000°. Principal axes: T 1.0250,Plg74.0000° ,Azm316.0000°; N 0.0490,Plg4.0000°,Azm211.0000°; P -1.0740,Plg15.0000°,Azm120.0000° M_o1.05000×10^{17}

(702) Balleny Islands region

ISC	**X**	**02 19 41 28.3–.31**	**64.92S–.06**	**178.23E–.08**	**10**	**5.3b,5.0s**	**203**	**13-170**
ISCJB	X	02 19 41 26.5–.24	64.95S–.04	177.8E–.10	10	5.2b,5.0s		**¶601780653**
IDC	X	02 19 41 26.0–.57	64.78S	177.84E	0	5.5L,4.9		
NEIC	X	02 19 41 29.4–3.1	64.97S	177.83E	18–18	5.5W,5.4b		
BJI	X	02 19 41 29.3	64.74S	178.38E	17	5.6b,5.2s		
GCMT	X	02 19 41 30.4–.10	64.85S–.01	177.67E–.02	19–0	5.6W,5.2s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.06 $M_{\theta\theta}$2.17 $M_{\phi\phi}$-2.23 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.26 Best double couple: NP1:ϕ_s56.00000° ,δ86.00000°,λ-175.00000°. NP2:ϕ_s326.00000°,δ85.00000°,λ-4.00000°. Principal axes: T 2.3400,Plg1.0000°,Azm191.0000°; N 0.0900,Plg84.0000°,Azm96.0000° ; P -2.4200,Plg6.0000°,Azm281.0000° M_o2.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c157; s127,c294;Duration: 1s5
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$2.69±.04; $M_{\phi\phi}$-2.33±.03; $M_{r\theta}$-1.17±.09; $M_{\theta\phi}$-0.86±.03; $M_{\phi r}$0.36±.07; Best double couple: NP1:ϕ_s326.00000°,δ81.00000°,λ17.00000°. NP2:ϕ_s233.00000°,δ73.00000°,λ170.00000°. Principal axes: T 3.2440,Plg19.0000° ,Azm190.0000°; N -0.7570,Plg71.0000°,Azm354.0000°; P -2.4890,Plg5.0000°,Azm98.0000° M_o2.86600×10^{17}

(192) New Britain region

ISC	**X**	**03 06 26 18.3–.47**	**6.31S–.04**	**152.80E–.04**	**40–4**	**5.3b,4.2s**	**728**	**2-158**
BJI	X	03 06 26 14.3	6.06S	153.21E	31	5.2b,5.1b		**¶601779580**
ISCJB	X	03 06 26 15.6–.12	6.29S–.03	152.72E–.02	30	5.2b,4.1s		
GCMT	X	03 06 26 16.9–.20	6.38S–.01	152.76E–.01	12	5.1W,4.1s		
MOS	X	03 06 26 16.8–1.1	6.22S	152.65E	38	5.4b,4.1s		
NEIC	X	03 06 26 17.9–.47	6.30S	152.72E	38–4	5.3b,4.1s		
IDC	X	03 06 26 19.6–1.7	6.29S	152.74E	53–15	5.0,4.8		
DJA	X	03 06 26 38.8–2.0	7S–10	153E–12	213–15	5.9b,5.5		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c95; s109,c184;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.42±.09 $M_{\theta\theta}$4.50±.08; $M_{\phi\phi}$0.92±.09; $M_{r\theta}$-1.40±.24; $M_{\theta\phi}$-1.72±.07; $M_{\phi r}$1.42±.34; Best double couple: NP1:ϕ_s120.00000°,δ55.00000°,λ-81.00000°. NP2:ϕ_s285.00000°,δ36.00000°,λ-102.00000°. Principal axes: T 5.5020,Plg10.0000° ,Azm203.0000°; N 0.3260,Plg7.0000°,Azm295.0000°; P -5.8280,Plg78.0000°,Azm60.0000° M_o5.66500×10^{16}
NEIC Event type se.

(273) Southwest of Sumatera

ISC	**X**	**03 13 32 37.4–.45**	**0.43S–.03**	**97.66E–.03**	**19–1**	**5.5s,5.5b**	**961**	**1-159**
ISCJB	X	03 13 32 32.9–.53	0.44S–.02	97.68E–.02	1–3	5.5s,5.4b		**¶601780657**
IDC	X	03 13 32 34.4–.37	0.39S	97.74E	0	5.1,5.1s		
NEIC	X	03 13 32 34.9–.14	0.43S	97.67E	9	5.7W,5.6b		
BJI	X	03 13 32 35.3	0.34S	97.71E	10	6.0s,5.8		
DJA	X	03 13 32 35.6–.20	0S–2.0	98E–3.0	10	6.0b,5.9		
MOS	X	03 13 32 35.8–1.0	0.35S	97.75E	20	5.6b,5.3s		
GCMT	X	03 13 32 36.9–.10	0.55S–.01	97.25E–.01	14–0	5.5W,5.3s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] on Nias and at Payakumbuh, Sumatra. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.55 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}3.19 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-1.72 $M_{r\theta}$1.83 $M_{\theta\phi}$0.72 $M_{\phi r}$-3.10 Best double couple: NP1:ϕ_s147.00000°,δ71.00000°,λ93.00000°. NP2: ϕ_s319.00000°,δ19.00000°,λ82.00000°. Principal axes: T 4.9800,Plg64.0000°,Azm62.0000° ; N -0.8900,Plg3.0000°,Azm326.0000°; P -4.0800,Plg26.0000°,Azm235.0000° M_o4.60000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ10.00000°,λ-90.00000°. NP2:ϕ_s145.00000°,δ80.00000°,λ-90.00000°. Principal axes: T Plg35.0000°,Azm235.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000° ,Azm55.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c155; s107,c228;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.59±.02; $M_{r\theta}$0.53±.04; $M_{\theta\phi}$0.58±.01; $M_{\phi r}$-1.38±.06; Best double couple: NP1:ϕ_s152.00000°,δ71.00000°,λ102.00000°. NP2:ϕ_s300.00000°,δ22.00000°,λ60.00000°. Principal axes: T 1.9940,Plg63.0000° ,Azm80.0000°; N -0.1600,Plg11.0000°,Azm328.0000°; P -1.8330,Plg25.0000°

,Azm233.0000° $M_0$1.91400×10^{17}

(250) Mindoro

ISC	**X**	**04 01 55 19.9–.41**	**13.11N–.02**	**120.43E–.03**	**58–3**	**5.2b,4.1s**	**645**	**1-167**
MAN	X	04 01 55 16.0	13.09N	120.33E	28	5.8b,5.3s		**¶601781446**
MOS	X	04 01 55 16.9–.92	13.30N	120.71E	47	5.4b,4.2s		
BJI	X	04 01 55 17.6	13.21N	120.67E	55	4.9b,4.9b		
GCMT	X	04 01 55 17.7–.40	13.21N–.03	120.35E–.03	50–3	5.0W,4.9b		
ISCJB	X	04 01 55 18.6–.34	13.20N–.02	120.65E–.03	62–3	5.1b,4.9b		
IDC	X	04 01 55 20.6–1.4	13.25N	120.66E	69–12	4.7,4.6		
NEIC	X	04 01 55 21.7–.52	13.25N	120.66E	77–4	5.1b,4.6		

ISC Event type fe.

MOS Error ellipse: s-maj=9.4km s-min=4.5km az=122.1.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s56,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.29 $M_{\theta\theta}$1.83±.21; $M_{\phi\phi}$-5.03±.21; $M_{r\theta}$0.96±.13; $M_{\theta\phi}$0.85±.10; $M_{\phi r}$-0.91±.24; Best double couple: NP1:ϕ_s151.00000°,δ57.00000°,λ60.00000°. NP2:ϕ_s18.00000°,δ44.00000°,λ128.00000°. Principal axes: T 3.7110,Plg64.0000° ,Azm7.0000°; N 1.5370,Plg25.0000°,Azm169.0000°; P -5.2590,Plg7.0000°,Azm262.0000° $M_0$4.48500×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=156.9.

IDC Error ellipse: s-maj=14.5km s-min=9.4km az=71.0.

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=70.0. Felt [IV PIVS] at Pinamalayan and San Jose. Also felt at Calapan, Mamburao and Victoria. Felt [IV PIVS] at Batangas; [III PIVS] at Pasay; [II PIVS] at Malabon and Quezon City; [I PIVS] at Tagaytay, Luzon. Felt [II] at Manila. Also felt at Bacoor and San Pablo.

(259) Mindanao

ISC	**X**	**04 14 45 32.1–.54**	**9.86N–.03**	**126.49E–.04**	**49–4**	**4.7b,4.5s**	**329**	**1-170**
BJI	X	04 14 45 21.2	9.38N	126.46E	10	5.1b,4.8s		**¶601782845**
IDC	X	04 14 45 25.0–.34	9.85N	126.33E	0	4.7,4.7		
MOS	X	04 14 45 27.4–.79	9.74N	126.29E	33	5.1b,4.7s		
MAN	X	04 14 45 28.5	9.86N	126.61E	19	5.8b,5.2s		
ISCJB	X	04 14 45 30.9–.47	9.88N–.02	126.53E–.03	59–4	4.7b,4.5s		
NEIC	X	04 14 45 30.2–.18	9.83N	126.34E	35	4.9b,4.5s		
GCMT	X	04 14 45 31.2–.20	9.84N–.01	126.57E–.01	16–0	5.2W,4.5s		
DJA	X	04 14 45 33.6–1.0	10N–6.0	127E–5.0	92–8	5.8,5.4b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt at Madrid.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c100; s103,c165;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$0.75±.06; Best double couple: NP1:ϕ_s356.00000°,δ73.00000°,λ93.00000°. NP2:ϕ_s166.00000°,δ17.00000°,λ80.00000°. Principal axes: T 0.8700,Plg62.0000° ,Azm271.0000°; N 0.0540,Plg3.0000°,Azm175.0000°; P -0.9240,Plg28.0000°,Azm84.0000° $M_0$0.89700×10^{17}

(706) Northern Sumatera

ISC	**X**	**04 21 23 35.2–.60**	**1.98N–.05**	**96.27E–.06**	**28**	**4.5b**	**63**	**0-55**
IDC	X	04 21 23 30.3–1.4	1.88N	96.26E	0	4.0,3.9		**¶601833131**
BJI	X	04 21 23 32.8	1.78N	96.42E	30	5.0b,4.5b		
DJA	X	04 21 23 32.5–.70	2N–3.0	96E–5.0	15–5	5.9b,5.5		
ISCJB	X	04 21 23 33.6–.44	2.01N–.04	96.28E–.05	28	4.4b,3.6s		
NEIC	X	04 21 23 36.4–.88	1.99N	96.39E	39–8	4.5b,3.6s		

ISC Event type se.

IDC Error ellipse: s-maj=40.1km s-min=19.1km az=50.0.

ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=136.7.

NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.2km az=56.0.

(403) Northern Mid-Atlantic Ridge

ISC	**X**	**04 23 14 56.4–.51**	**17.48N–.05**	**46.58W–.04**	**11–2**	**5.2b,4.9s**	**1326**	**13-177**
IDC	X	04 23 14 54.4–.32	17.59N	46.50W	0	4.8,4.8		**¶601783201**
MOS	X	04 23 14 54.5–.89	17.56N	46.48W	10	5.4b,4.9s		
ISCJB	X	04 23 14 55.0–.13	17.49N–.02	46.52W–.01	14	5.2b,4.9s		
NEIC	X	04 23 14 56.4–.12	17.44N	46.50W	10	5.4W,5.3b		
BJI	X	04 23 14 56.5	17.40N	46.50W	18	5.5b,5.3s		
GCMT	X	04 23 14 58.4–.10	17.68N–.01	46.47W–.01	12	5.5W,5.3s		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$0.90 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.58 $M_{\phi r}$1.36 Best double couple: NP1:ϕ_s306.00000° ,δ29.00000°,λ-151.00000°. NP2:ϕ_s190.00000°,δ77.00000°,λ-64.00000°. Principal axes: T 1.7100,Plg27.0000°,Azm260.0000°; N 0.1100,Plg25.0000°,Azm4.0000° ; P -1.8200,Plg52.0000°,Azm130.0000° $M_0$1.80000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c146; s128,c265;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81±.02 $M_{\theta\theta}$-0.12±.02; $M_{\phi\phi}$1.93±.02; $M_{r\theta}$-0.25±.06; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$-0.11±.05; Best double couple: NP1:ϕ_s9.00000°,δ47.00000°,λ-79.00000°. NP2:ϕ_s173.00000°,δ44.00000°,λ-102.00000°. Principal axes: T 1.9340,Plg2.0000° ,Azm91.0000°; N -0.0870,Plg8.0000°,Azm182.0000°; P -1.8490,Plg82.0000°,Azm350.0000° $M_0$1.89200×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC	**X**	**05 00 15 41.7–.26**	**17.52N–.05**	**46.50W–.04**	**12**	**5.1s,5.0b**	**1003**	**13-177**
MOS	X	05 00 15 39.9–.88	17.60N	46.46W	10	5.2b,5.1s		**¶601783203**
IDC	X	05 00 15 40.0–.36	17.59N	46.55W	0	4.7,4.6		
ISCJB	X	05 00 15 40.1–.14	17.53N–.03	46.50W–.01	12	5.1s,5.0b		
NEIC	X	05 00 15 41.7–.12	17.50N	46.45W	10	5.4W,5.1s		
GCMT	X	05 00 15 43.7–.20	17.63N–.01	46.45W–.01	12	5.4W,5.1s		
BJI	X	05 00 15 43.0	17.49N	46.44W	14	5.7b,5.4s		

ISC Event type se.

MOS Error ellipse: s-maj=6.0km s-min=5.1km az=45.8.

IDC Error ellipse: s-maj=11.5km s-min=9.2km az=143.0.

ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=1.9km az=175.2.

NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=174.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70 $M_{\theta\theta}$0.26 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s302.00000°,δ17.00000°,λ-135.00000°. NP2:ϕ_s169.00000° ,δ78.00000°,λ-78.00000°. Principal axes: T 1.6200,Plg32.0000°,Azm249.0000° ; N 0.1200,Plg12.0000°,Azm346.0000°; P -1.7300,Plg55.0000°,Azm94.0000° $M_0$1.70000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c140; s126,c253;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$1.41±.02; $M_{r\theta}$-0.28±.07; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$-0.16±.06; Best double couple: NP1:ϕ_s13.00000°,δ50.00000°,λ-75.00000°. NP2:ϕ_s170.00000°,δ43.00000°,λ-107.00000°. Principal axes: T 1.4220,Plg4.0000° ,Azm92.0000°; N 0.0000,Plg12.0000°,Azm183.0000°; P -1.4170,Plg78.0000°,Azm346.0000° $M_0$1.42000×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC	**X**	**05 00 19 56.9–.58**	**17.48N–.05**	**46.52W–.04**	**11–3**	**5.2s,5.2b**	**1113**	**13-177**
MOS	X	05 00 19 54.8–.72	17.51N	46.45W	10	5.3b,5.1s		**¶601783204**
IDC	X	05 00 19 54.8–.39	17.57N	46.45W	0	4.8,4.8s		
ISCJB	X	05 00 19 55.2–.15	17.51N–.03	46.47W–.01	10	5.2s,5.1b		
NEIC	X	05 00 19 57.0–.12	17.48N	46.46W	10	5.7W,5.3s		
BJI	X	05 00 19 56.8	17.37N	46.17W	19	5.6b,5.4s		
GCMT	X	05 00 19 58.0–.10	17.68N–.01	46.43W–.01	12	5.5W,5.4s		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. s17 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16 $M_{\theta\theta}$1.57 $M_{\phi\phi}$-0.41 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.39 $M_{\phi r}$3.52 Best double couple: NP1:ϕ_s262.00000° ,δ17.00000°,λ-158.00000°. NP2:ϕ_s151.00000°,δ84.00000°,λ-74.00000°. Principal axes: T 3.5500,Plg37.0000°,Azm227.0000°; N 0.8800,Plg16.0000°,Azm329.0000° ; P -4.4300,Plg49.0000°,Azm78.0000° $M_0$4.10000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c100; s131,c316;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.84±.03 $M_{\theta\theta}$0.10±.03; $M_{\phi\phi}$1.74±.02; $M_{r\theta}$-0.37±.07; $M_{\theta\phi}$0.09±.02; $M_{\phi r}$-0.34±.07; Best double couple: NP1:ϕ_s13.00000°,δ52.00000°,λ-78.00000°. NP2:ϕ_s174.00000°,δ40.00000°,λ-105.00000°. Principal axes: T 1.7810,Plg6.0000° ,Azm94.0000°; N 0.1510,Plg10.0000°,Azm185.0000°; P -1.9370,Plg79.0000°,Azm334.0000° $M_0$1.85900×10^{17}

(174) Tonga Islands region

ISC	**X**	**05 11 19 25.6–.42**	**23.12S–.05**	**175.72W–.06**	**34**	**5.1b**	**82**	**6-150**
BJI	X	05 11 19 21.2	23.53S	175.71W	30	5.5b,5.3b		**¶601790319**
ISCJB	X	05 11 19 22.5–.37	23.14S–.05	175.64W–.06	34	4.9b,3.4s		
IDC	X	05 11 19 22.6–.71	22.92S	176.10W	0	5.4L,4.8		
NEIC	X	05 11 19 27.0–.60	23.06S	176.02W	35	4.5b,4.8		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=35.2.

IDC Error ellipse: s-maj=25.0km s-min=17.1km az=144.0.

NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.1km az=106.0.

(71) Near coast of Guatemala

ISC	**X**	**05 18 22 54.2–.43**	**12.95N–.03**	**91.74W–.03**	**23–2**	**5.4b,4.7s**	**1630**	**2-163**
UCR	X	05 18 22 52.0–1.9	13.08N	91.76W	10	5.4b,4.7L		**¶601792802**
GCMT	X	05 18 22 53.0–.10	12.93N–.01	92.02W–.01	12	5.5W,4.7L		
ISCJB	X	05 18 22 54.1–.12	13.14N–.01	91.55W–.01	28	5.4b,4.7s		
MOS	X	05 18 22 55.0–1.2	13.01N	91.64W	36	5.6b,4.6s		
BJI	X	05 18 22 55.8	13.00N	91.60W	31	5.6b,5.4s		
NEIC	X	05 18 22 56.8–.33	13.03N	91.50W	41–2	5.5W,5.4b		
IDC	X	05 18 22 57.6–2.0	13.00N	91.55W	46–17	5.1,5.0		

ISC Event type fe.

UCR Error ellipse: s-maj=8.0km s-min=8.4km az=-1.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c199; s132,c268;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.02±.02 $M_{\theta\theta}$1.47±.02; $M_{\phi\phi}$0.54±.02; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-1.06±.02; $M_{\phi r}$0.14±.05; Best double couple: NP1:ϕ_s295.00000°,δ48.00000°,λ-101.00000°. NP2:ϕ_s132.00000°,δ43.00000°,λ-78.00000°. Principal axes: T 2.1710,Plg2.0000° ,Azm33.0000°; N -0.1060,Plg8.0000°,Azm303.0000°; P -2.0670,Plg81.0000°,Azm138.0000° $M_0$2.11900×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=30.7.

MOS Error ellipse: s-maj=6.8km s-min=3.9km az=104.9.

NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=212.0. Felt [I] at San Salvador, El Salvador. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}0.50 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.88 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.40 Best double couple: NP1:ϕ_s37.00000°,δ61.00000° ,λ166.00000°. NP2:ϕ_s134.00000°,δ77.00000°,λ30.00000°. Principal axes: T 2.0200,Plg30.0000°,Azm359.0000°; N 0.1000,Plg58.0000°,Azm155.0000° ; P -2.1200,Plg11.0000°,Azm263.0000° $M_0$2.10000×10^{17}

IDC Error ellipse: s-maj=17.7km s-min=8.3km az=52.0.

(49) Gulf of California

ISC	**X**	**05 20 02 10.2–.34**	**23.48N–.05**	**108.61W–.04**	**10**	**5.2b,5.0s**	**905**	**1-157**
MOS	X	05 20 02 08.8–1.6	23.59N	108.46W	10	5.3b,4.9s		**¶601792474**
IDC	X	05 20 02 09.5–.63	23.54N	108.80W	0	4.9,4.9s		
MEX	X	05 20 02 09.2–.37	23.71N	108.58W	1	5.3,4.9s		
ISCJB	X	05 20 02 09.8–.22	23.66N–.02	108.50W–.02	10	5.0b,5.0s		
NEIC	X	05 20 02 10.7–.29	23.58N	108.51W	10	5.0s,5.0b		
BJI	X	05 20 02 11.1	23.45N	108.75W	17	5.7b,5.4s		
GCMT	X	05 20 02 12.7–.10	23.68N–.01	108.53W–.01	18–0	5.5W,5.4s		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c166; s127,c237;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.03 $M_{\theta\theta}$-1.82±.03; $M_{\phi\phi}$1.87±.03; $M_{r\theta}$-0.61±.06; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$-0.04±.06; Best double couple: NP1:ϕ_s129.00000°,δ79.00000° ,λ-167.00000°. NP2:ϕ_s36.00000°,δ77.00000°,λ-11.00000°. Principal axes: T 1.9370,Plg1.0000°,Azm262.0000°; N 0.1350,Plg73.0000°,Azm168.0000° ; P -2.0680,Plg17.0000°,Azm353.0000° $M_0$2.00300×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC	**X**	**06 03 40 04.0–.31**	**23.81N–.06**	**45.80W–.05**	**10**	**4.8b,4.4s**	**729**	**16-180**
IDC	X	06 03 40 01.8–.41	23.86N	45.75W	0	4.7,4.6		**¶601792489**
ISCJB	X	06 03 40 01.8–.16	23.79N–.03	45.67W–.02	10	4.8b,4.3s		
MOS	X	06 03 40 01.8–.82	23.84N	45.72W	10	5.0b,4.4s		
BJI	X	06 03 40 02.5	23.80N	45.70W	10	5.5b,5.3b		
NEIC	X	06 03 40 03.7–.15	23.79N	45.67W	10	4.9b,5.3b		
GCMT	X	06 03 40 06.7–.20	23.81N–.01	45.65W–.01	12–1	5.2W,5.3b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c89; s122,c222;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.14 $M_{\theta\theta}$-2.58±.15; $M_{\phi\phi}$2.40±.15; $M_{r\theta}$3.00±.48; $M_{\theta\phi}$-6.92±.15; $M_{\phi r}$1.05±.37; Best double couple: NP1:ϕ_s281.00000°,δ82.00000°,λ-161.00000°. NP2:ϕ_s188.00000°,δ71.00000°,λ-9.00000°. Principal axes: T 7.3790,Plg8.0000° ,Azm53.0000°; N 1.1450,Plg69.0000°,Azm303.0000°; P -8.5250,Plg19.0000°,Azm146.0000° $M_0$7.95200×10^{16}

(173) Tonga Islands

ISC	**X**	**07 01 56 51.3–.63**	**20.95S–.08**	**173.95W–.09**	**19–2**	**4.7b,3.9s**	**146**	**4-154**
ISCJB	X	07 01 56 47.2–.20	20.69S–.05	174.08W–.05	10	4.6b,3.8s		**¶601794205**
IDC	X	07 01 56 47.2–.61	20.78S	174.09W	0	5.5L,4.7		
BJI	X	07 01 56 47.8	20.97S	174.23W	11	5.5b,5.2b		
NEIC	X	07 01 56 49.9–4.7	20.70S	174.10W	18–28	4.7b,5.2b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.4km az=140.0.

IDC Error ellipse: s-maj=23.4km s-min=14.3km az=137.0.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=146.0.

(249) Luzon

ISC	**X**	**07 03 14 25.8–.37**	**18.64N–.02**	**120.99E–.03**	**52–3**	**5.3b,5.0s**	**1238**	**1-172**
IDC	X	07 03 14 22.6–2.5	18.56N	121.01E	29–17	5.0,4.9		**¶601795072**
MOS	X	07 03 14 22.9–1.1	18.63N	120.98E	41	5.5b,5.0s		
BJI	X	07 03 14 22.4	18.73N	120.95E	22	5.4b,5.1L		
NEIC	X	07 03 14 24.0–.57	18.54N	120.94E	40–5	5.6W,5.5b		
ISCJB	X	07 03 14 24.9–.27	18.67N–.01	120.94E–.02	56–2	5.3b,4.9s		
GCMT	X	07 03 14 25.0–.10	18.80N–.01	120.70E–.01	51–0	5.5W,4.9s		
MAN	X	07 03 14 25.1	18.69N	120.89E	29	6.0b,5.6s		

ISC Event type fe.

IDC Error ellipse: s-maj=10.2km s-min=8.5km az=59.0.

MOS Error ellipse: s-maj=6.4km s-min=3.8km az=114.5.

NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=3.4km az=83.0. Felt [V PIVS] at Sarrat; [IV PIVS] at Batac, Buguey, Sinait and on Camiguin Island; [III PIVS] at Bangued, Penablanca and Tuguegarao; [II PIVS] at Baguio City and Burgos. Also felt at Santa. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-3.47 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.41 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s192.00000°,δ53.00000°,λ98.00000°. NP2:ϕ_s359.00000° ,δ38.00000°,λ80.00000°. Principal axes: T 3.0100,Plg80.0000°,Azm136.0000° ; N 0.6100,Plg6.0000°,Azm7.0000°; P -3.6200,Plg7.0000°,Azm276.0000° $M_0$3.40000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=176.7.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c209; s120,c261; Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.25±.04 $M_{\theta\theta}$-0.47±.03; $M_{\phi\phi}$-1.78±.03; $M_{r\theta}$-0.18±.02; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$-0.88±.03; Best double couple: NP1:ϕ_s204.00000° ,δ55.00000°,λ81.00000°. NP2:ϕ_s40.00000°,δ36.00000°,λ103.00000°. Principal axes: T 2.4360,Plg78.0000°,Azm81.0000°; N 0.2620,Plg8.0000°,Azm209.0000° ; P -2.6980,Plg10.0000°,Azm300.0000° $M_0$2.56700×10^{17}

(169) Samoa Islands region

ISC	**X**	**07 07 38 48.0–.33**	**15.22S–.06**	**171.97W–.08**	**23**	**4.8b,4.2s**	**238**	**1-174**
ISCJB	X	07 07 38 44.6–.22	15.46S–.05	172.00W–.05	10	4.7b,4.2s		**¶601794219**
BJI	X	07 07 38 44.6	15.61S	172.09W	10	5.5b,5.1b		
IDC	X	07 07 38 45.2–.41	15.38S	171.97W	0	4.7,4.6		
NEIC	X	07 07 38 46.1–.19	15.44S	171.97W	10	4.8b,4.6		
GCMT	X	07 07 38 51.1–.20	15.61S–.02	171.53W–.02	12	5.0W,4.6		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c38; s82,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.68±.11 $M_{\theta\theta}$1.52±.11; $M_{\phi\phi}$2.16±.10; $M_{r\theta}$-1.89±.41; $M_{\theta\phi}$-2.23±.08; $M_{\phi r}$-0.74±.39; Best double couple: NP1:ϕ_s116.00000°,δ55.00000° ,λ-120.00000°. NP2:ϕ_s341.00000°,δ45.00000°,λ-55.00000°. Principal axes: T 4.1580,Plg6.0000°,Azm227.0000°; N 0.4470,Plg24.0000°,Azm134.0000° ; P -4.6060,Plg65.0000°,Azm329.0000° $M_0$4.38200×10^{16}

(192) New Britain region

ISC	**X**	**07 08 36 33.0–.23**	**5.58S–.04**	**151.85E–.04**	**45**	**5.2b,4.6s**	**698**	**1-157**
BJI	X	07 08 36 27.4	5.61S	152.17E	31	5.1b,5.1b		**¶601874133**
MOS	X	07 08 36 30.8–1.0	5.39S	151.71E	33	5.5b,4.9s		
IDC	X	07 08 36 31.8–1.2	5.48S	151.79E	36–9	4.9,4.8		
NEIC	X	07 08 36 32.2–.13	5.53S	151.79E	35	5.3b,4.8		
ISCJB	X	07 08 36 32.0–.12	5.51S–.03	151.66E–.02	45	5.1b,4.5s		
GCMT	X	07 08 36 34.2–.20	5.76S–.01	151.92E–.01	30–0	5.2W,4.5s		
DJA	X	07 08 36 37.2–.70	6S–4.0	152E–5.0	81–6	5.6b,5.6		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c140; s96,c161;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{r\theta}$-0.72±.01; $M_{\theta\phi}$0.04±.01; $M_{r\theta}$0.44±.02; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.04±.02; Best double couple: NP1:ϕ_s87.00000°,δ61.00000°,λ101.00000°. NP2:ϕ_s246.00000°,δ31.00000°,λ71.00000°. Principal axes: T 0.8100,Plg72.0000° ,Azm22.0000°; N 0.0630,Plg9.0000°,Azm262.0000°; P -0.8730,Plg15.0000°,Azm170.0000° $M_0$0.84200×10^{17}

(337) Eastern Caucasus

ISC	**X**	**07 11 42 49.8–.34**	**40.76N–.02**	**48.44E–.02**	**41–3**	**5.3b,4.6s**	**1573**	**0-152**
BJI	X	07 11 42 44.4	40.79N	47.74E	40	5.6b,5.3b		**¶601794228**
IDC	X	07 11 42 45.9–1.2	40.73N	48.45E	12–7	5.0,5.0		
TEH	X	07 11 42 45.6	40.82N	48.58E	19	5.3L,5.0		
MOS	X	07 11 42 45.5–1.3	40.88N	48.54E	15	5.5b,4.4s		
THR	X	07 11 42 46.6–.54	40.71N	48.60E	15	5.2L,4.4s		
NEIC	X	07 11 42 47.2–1.1	40.75N	48.44E	17–6	5.4b,4.7s		
MOS	X	07 11 42 49.2–.00	40.74N	48.62E	35–0	5.8,4.7s		
NORS	X	07 11 42 49.5–.00	40.72N	48.66E	20–0	5.4,4.7s		
ISCJB	X	07 11 42 50.7–.12	40.66N–.01	48.43E–.01	61–1	5.2b,4.7s		
AZER	X	07 11 42 50.7–.00	40.70N	48.35E	41	5.3L,4.7s		
GCMT	X	07 11 42 50.2–.20	40.55N–.02	48.50E–.02	44–0	5.1W,4.7s		
DRS	X	07 11 42 50.1–.00	40.46N	48.79E	24	5.1W,4.7s		
GII	X	07 11 42 51.4–.53	40.74N	48.47E	41	5.1W,4.7s		
NNC	X	07 11 42 55.6–1.9	41.40N	49.69E	0	5.8,5.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=5.6km az=176.0.
MOS Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=43.7. Felt (II-III) at Makhachkala. Moment Tensor Solution.
THR Error ellipse: s-maj=8.3km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=187.0.
MOS Event type se.
NORS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=30.2.
AZER Error ellipse: s-maj=0.6km s-min=0.4km az=226.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c89; s89,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.17 $M_{\theta\theta}$4.61±.12; $M_{\phi\phi}$0.34±.11; $M_{r\theta}$-1.41±.12; $M_{\theta\phi}$-2.05±.09; $M_{\phi r}$1.32±.10; Best double couple: NP1:ϕ_s120.00000°,δ55.00000°,λ-81.00000°. NP2:ϕ_s284.00000°,δ36.00000°,λ-103.00000°. Principal axes: T 5.7400,Plg10.0000° ,Azm203.0000°; N -0.3900,Plg8.0000°,Azm294.0000°; P -5.3510,Plg78.0000°,Azm63.0000° $M_0$5.54600×10^{16}
DRS Event type se.
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=14.6km s-min=7.7km az=82.0.

(49) Gulf of California

ISC	**X**	**08 06 26 23.6–.20**	**25.09N–.03**	**109.61W–.03**	**17**	**5.8s,5.6b**	**1606**	**1-158**
IDC	X	08 06 26 21.7–2.1	25.15N	109.63W	12–13	5.6,5.6s		**¶606632086**
MEX	X	08 06 26 21.4–1.6	25.16N	109.69W	10	5.7,5.6s		
ISCJB	X	08 06 26 22.4–.14	25.24N–.02	109.51W–.01	17	5.8s,5.5b		
BJI	X	08 06 26 22.1	25.08N	109.72W	12	6.1b,6.1s		
NEIC	X	08 06 26 22.0–.00	25.38N	109.73W	21	6.1b,6.1s		
MOS	X	08 06 26 23.8–1.4	25.26N	109.52W	25	5.9s,5.8b		
NEIC	X	08 06 26 23.0–.16	25.13N	109.57W	14	6.0W,6.0W		
GCMT	X	08 06 26 25.0–.10	25.17N	109.73W	20–0	6.0W,6.0W		
NEIC	X	08 06 26 44.7–.00	25.56N	109.88W	31	6.0W,6.0W		

ISC Event type fe.
IDC Error ellipse: s-maj=12.1km s-min=8.1km az=57.0.
MEX Error ellipse: s-maj=8.6km s-min=12.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=28.7.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$1.04 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s130.00000° ,δ86.00000°,λ173.00000°. NP2:ϕ_s220.00000°,δ83.00000°,λ4.00000°. Principal axes: T 1.0700,Plg7.0000°,Azm85.0000°; N -0.1100,Plg81.0000°,Azm281.0000° ; P -0.9700,Plg2.0000°,Azm175.0000° $M_0$1.00000×10^{18}
MOS Error ellipse: s-maj=5.5km s-min=3.6km az=95.1.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=32.0. Felt [IV] at Guasave and Los Mochis, Sinaloa. Also felt at Ahome. Felt at El Centenario and La Paz, Baja California Sur and at Las Varas, Nayarit. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.23 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.98 $M_{\phi\phi}$1.03 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.27 $M_{\phi r}$-0.28 Best double couple: NP1: ϕ_s127.00000°,δ77.00000°,λ175.00000°. NP2:ϕ_s218.00000°,δ85.00000°,λ13.00000°. Principal axes: T 1.1200,Plg13.0000°,Azm83.0000°; N -0.1000,Plg76.0000°,Azm238.0000° ; P -1.0200,Plg6.0000°,Azm352.0000° $M_0$1.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ30.00000°,λ176.00000°. NP2: ϕ_s220.00000°,δ88.00000°,λ60.00000°. Principal axes: T Plg40.0000°,Azm103.0000° ; N Plg0.0000°,Azm0.0000°; P Plg36.0000°,Azm336.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c267; s142,c485;
Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$-1.14±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$-0.23±.02; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.08±.01; Best double couple: NP1:ϕ_s39.00000°,δ84.00000° ,λ-10.00000°. NP2:ϕ_s130.00000°,δ80.00000°,λ-174.00000°. Principal axes: T 1.2030,Plg3.0000°,Azm85.0000°; N 0.0030,Plg78.0000°,Azm187.0000° ; P -1.2070,Plg11.0000°,Azm354.0000° $M_0$1.20500×10^{18}
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{18}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$1.11 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s306.00000° ,δ90.00000°,λ-151.00000°. NP2:ϕ_s216.00000°,δ61.00000°,λ0.00000°. Principal axes: T 1.3000,Plg20.0000°,Azm77.0000°; N 0.1600,Plg61.0000°,Azm307.0000° ; P -1.4600,Plg20.0000°,Azm175.0000° $M_0$1.40000×10^{18}

(280) Banda Sea

ISC	**X**	**08 11 43 34.1–.34**	**4.54S–.02**	**129.24E–.03**	**30–2**	**6.2b,6.0s**	**2020**	**1-178**
IDC	X	08 11 43 29.7–.28	4.50S	129.10E	0	5.9,5.9		**¶601795099**
NEIC	X	08 11 43 31.4–.08	4.47S	129.13E	10	6.6,6.3W		
ISCJB	X	08 11 43 33.0–.49	4.49S–.02	129.24E–.01	33–3	6.1b,6.0s		
BJI	X	08 11 43 33.6	4.44S	129.21E	29	6.4b,6.0b		
MOS	X	08 11 43 34.0–1.1	4.45S	129.04E	38	6.5b,5.9s		
DJA	X	08 11 43 35.9–.30	4S–1.0	129E–1.0	35–3	6.6b,6.3		
NEIC	X	08 11 43 35.0–.00	4.44S	129.47E	11	6.6b,6.3		
GCMT	X	08 11 43 35.4–.10	4.57S	129.15E	12	6.2W,6.3		
NEIC	X	08 11 43 44.6–.00	4.67S	129.02E	21	6.2W,6.3		

ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=8.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=55.0. Felt [IV] on Pulau Banda Besar and [III] on Pulau Ambon, Indonesia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 2.39 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.65 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.14 Best double couple: NP1:ϕ_s150.00000°,δ41.00000°,λ117.00000°. NP2: ϕ_s297.00000°,δ55.00000°,λ69.00000°. Principal axes: T 1.7400,Plg71.0000°,Azm154.0000° ; N -0.1800,Plg17.0000°,Azm309.0000°; P -1.5600,Plg7.0000°,Azm42.0000° $M_0$1.60000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=38.4.
MOS Error ellipse: s-maj=7.4km s-min=4.4km az=111.8.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}1.82 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.34 $M_{\theta\phi}$0.96 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s138.00000° ,δ55.00000°,λ97.00000°. NP2:ϕ_s305.00000°,δ36.00000°,λ80.00000°. Principal axes: T 1.9500,Plg78.0000°,Azm74.0000°; N 0.0300,Plg5.0000°,Azm313.0000° ; P -1.9800,Plg9.0000°,Azm222.0000° $M_0$2.00000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c334; s148,c598;
Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-1.73±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$0.45±.03; $M_{\theta\phi}$1.14±.01; $M_{\phi r}$0.03±.03; Best double couple: NP1:ϕ_s114.00000°,δ50.00000° ,λ81.00000°. NP2:ϕ_s308.00000°,δ41.00000°,λ100.00000°. Principal axes: T 2.3090,Plg82.0000°,Azm334.0000°; N 0.1370,Plg7.0000°,Azm120.0000° ; P -2.4440,Plg5.0000°,Azm211.0000° $M_0$2.37700×10^{18}
NEIC Event type se. Moment Tensor Solution. s92 Moment tensor: Scale 10^{18}Nm; M_{rr}2.74 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-0.91 $M_{r\theta}$-0.57 $M_{\theta\phi}$1.25 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s315.00000° ,δ56.00000°,λ101.00000°. NP2:ϕ_s116.00000°,δ35.00000°,λ74.00000°. Principal axes: T 3.0200,Plg76.0000°,Azm258.0000°; N -0.1200,Plg9.0000°,Azm128.0000° ; P -2.9000,Plg11.0000°,Azm37.0000° $M_0$3.00000×10^{18}

(280) Banda Sea

ISC	**X**	**08 12 00 51.8–.31**	**4.60S–.04**	**129.24E–.05**	**40**	**4.9b**	**201**	**1-153**
IDC	X	08 12 00 46.1–.43	4.57S	129.12E	0	4.8,4.7		**¶601795299**
NEIC	X	08 12 00 48.1–.18	4.48S	129.19E	10	5.0b,4.7		
BJI	X	08 12 00 49.3	4.85S	129.55E	60	5.6s,5.4		
MOS	X	08 12 00 49.8–1.1	4.53S	129.14E	36	5.2b,5.4		
DJA	X	08 12 00 49.9–.20	4S–3.0	129E–2.0	10	5.3b,5.3		
ISCJB	X	08 12 00 50.1–.20	4.54S–.03	129.23E–.03	40	4.9b,5.3		

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

(280) Banda Sea

ISC	**X**	**08 12 20 51.9–.32**	**4.54S–.04**	**129.29E–.05**	**35**	**4.9b**	**177**	**1-153**
IDC	X	08 12 20 46.8–.46	4.53S	129.18E	0	4.8,4.7		**¶601997515**
NEIC	X	08 12 20 48.8–.23	4.45S	129.23E	10	4.9b,4.7		
ISCJB	X	08 12 20 50.3–.17	4.48S–.02	129.23E–.03	33	4.8b,4.7		
BJI	X	08 12 20 50.4	4.50S	129.20E	35	5.4b,5.0s		
DJA	X	08 12 20 51.0–.20	4S–3.0	129E–2.0	10	5.6b,5.1		

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

(280) Banda Sea

ISC	**X**	**08 23 05 46.9–.49**	**4.49S–.06**	**129.35E–.06**	**40**	**4.2b**	**57**	**1-149**
IDC	X	08 23 05 41.9–.66	4.44S	129.24E	0	4.6L,4.2		**¶601810587**
NEIC	X	08 23 05 43.5–.29	4.46S	129.27E	10	4.0b,4.2		
ISCJB	X	08 23 05 45.3–.31	4.50S–.04	129.28E–.05	40	4.2b,3.6s		
DJA	X	08 23 05 45.0–.30	4S–4.0	129E–3.0	10	5.6b,5.1		

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

(706) Northern Sumatera

ISC	**X**	**09 04 41 58.5–.91**	**4.78N–.04**	**96.39E–.05**	**49–8**	**4.6b,3.5s**	**140**	**1-161**
IDC	X	09 04 41 51.7–.43	4.94N	96.51E	0	4.4,4.3		**¶601795711**
DJA	X	09 04 41 55.8–1.0	5N–4.0	96E–4.0	15–10	5.8b,5.3		
ISCJB	X	09 04 41 56.7–.52	4.73N–.03	96.35E–.04	51–5	4.5b,3.6s		
BJI	X	09 04 41 56.6	4.48N	96.54E	52	4.8b,4.6b		
NEIC	X	09 04 41 57.5–.85	4.78N	96.43E	44–7	4.7b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=156.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=58.0.

(197) Near north coast of Irian Jaya

ISC	**X**	**09 07 14 58.0–.25**	**2.70S–.03**	**139.28E–.03**	**27**	**5.0b,4.9s**	**403**	**1-150**
IDC	X	09 07 14 52.8–.42	2.67S	139.26E	0	5.0,5.0s		**¶601795714**
BJI	X	09 07 14 54.9	3.06S	139.35E	34	5.3b,5.0s		
ISCJB	X	09 07 14 56.1–.14	2.74S–.02	139.25E–.02	27	5.0b,5.0s		
MOS	X	09 07 14 57.0–.98	2.76S	139.12E	37	5.1b,5.0s		
NEIC	X	09 07 14 58.9–.15	2.71S	139.11E	35	5.1b,5.0s		
DJA	X	09 07 14 58.7–.30	2S–3.0	139E–2.0	41–3	5.6,5.5b		
GCMT	X	09 07 14 58.8–.10	2.65S–.01	139.31E–.01	19–0	5.5W,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c204; s122,c230;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.03 $M_{\theta\theta}$-1.00±.02; $M_{\phi\phi}$-0.42±.02; $M_{r\theta}$-0.99±.04; $M_{\theta\phi}$0.68±.01; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s308.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s119.00000°,δ24.00000°,λ81.00000°. Principal axes: T 1.9250,Plg69.0000° ,Azm226.0000°; N 0.0190,Plg4.0000°,Azm127.0000°; P -1.9440,Plg21.0000°,Azm35.0000° $M_0$1.93500×10^{17}

(201) Irian Jaya

ISC	**X**	**09 07 49 54.4–.32**	**2.72S–.03**	**139.24E–.03**	**38–1**	**5.4b,5.3s**	**640**	**1-160**
BJI	X	09 07 49 47.1	3.16S	139.67E	30	5.6b,5.3s		**¶601819581**
IDC	X	09 07 49 48.1–.37	2.71S	139.29E	0	5.0,5.0s		
ISCJB	X	09 07 49 51.2–.67	2.73S–.02	139.25E–.02	26–4	5.3b,5.3s		
NEIC	X	09 07 49 51.9–.14	2.72S	139.22E	20	5.6b,5.4s		
MOS	X	09 07 49 52.6–.98	2.70S	139.27E	38	5.7b,5.1s		
DJA	X	09 07 49 53.4–.50	3S–3.0	139E–2.0	17–6	6.0,5.8b		
GCMT	X	09 07 49 54.9–.10	2.69S–.01	139.33E–.01	22–0	5.6W,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Genyem and Jayapura. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ35.00000°,λ90.00000°. NP2: ϕ_s310.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm220.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm40.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c229; s136,c327;
Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.94±.04 $M_{\theta\theta}$-1.89±.03; $M_{\phi\phi}$-1.05±.03; $M_{r\theta}$-1.36±.06; $M_{\theta\phi}$1.40±.02; $M_{\phi r}$0.48±.06; Best double couple: NP1:ϕ_s299.00000°,δ58.00000° ,λ82.00000°. NP2:ϕ_s134.00000°,δ33.00000°,λ102.00000°. Principal axes: T 3.3000,Plg76.0000°,Azm187.0000°; N -0.0570,Plg7.0000°,Azm303.0000° ; P -3.2430,Plg13.0000°,Azm35.0000° $M_0$3.27100×10^{17}

(197) Near north coast of Irian Jaya

ISC	**X**	**09 07 57 49.6–.40**	**2.73S–.05**	**139.36E–.05**	**27**	**4.7b**	**95**	**1-147**
IDC	X	09 07 57 44.4–.56	2.59S	139.35E	0	4.5,4.4		**¶601795717**
ISCJB	X	09 07 57 47.9–.28	2.72S–.04	139.35E–.04	27	5.2s,4.6b		
NEIC	X	09 07 57 49.1–2.7	2.65S	139.31E	25–20	4.9b,4.6b		
DJA	X	09 07 57 49.2–1.0	3S–5.0	139E–5.0	15–12	5.7b,5.3		
BJI	X	09 07 57 50.2	3.15S	139.11E	49	5.2b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=11.7km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=179.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=170.0.

(701) West of Macquarie Island

ISC	**X**	**09 12 32 08.8–.55**	**60.64S–.05**	**153.93E–.06**	**12–2**	**6.2s,5.6b**	**516**	**7-167**
BJI	X	09 12 32 03.6	61.10S	153.75E	7	6.5s,6.2		**¶601810590**
IDC	X	09 12 32 03.6–.55	60.90S	153.78E	0	6.1s,6.1		
NEIC	X	09 12 32 04.0–.00	60.73S	153.13E	11	6.1s,6.1		
ISCJB	X	09 12 32 05.8–.36	60.63S–.05	153.90E–.09	10	6.2s,5.4b		
MOS	X	09 12 32 07.6–2.4	60.28S	153.95E	10	6.1s,5.4b		
NEIC	X	09 12 32 09.8–.21	60.33S	153.70E	10	6.6W,6.3W		
GCMT	X	09 12 32 19.8–.00	60.65S	153.39E	21–0	6.6W,6.3W		

ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.9km az=100.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ82.00000° ,λ-153.00000°. NP2:ϕ_s154.00000°,δ64.00000°,λ-8.00000°. Principal axes: T 1.1300,Plg12.0000°,Azm17.0000°; N 0.0100,Plg62.0000°,Azm262.0000° ; P -1.1400,Plg24.0000°,Azm113.0000°
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=149.4.
MOS Error ellipse: s-maj=32.0km s-min=8.9km az=92.4.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=113.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-3.83 $M_{r\theta}$-1.07 $M_{\theta\phi}$0.14 $M_{\phi r}$1.87 Best double couple: NP1:ϕ_s225.00000°,δ59.00000°,λ179.00000°. NP2:ϕ_s316.00000° ,δ89.00000°,λ31.00000°. Principal axes: T 3.6400,Plg22.0000°,Azm185.0000° ; N 0.9100,Plg59.0000°,Azm317.0000°; P -4.5500,Plg21.0000°,Azm86.0000° $M_0$4.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s144,c349; s139,c595;
Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.12±.00 $M_{\theta\theta}$0.72±.00; $M_{\phi\phi}$-0.60±.00; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.59±.00; $M_{\phi r}$0.11±.01; Best double couple: NP1:ϕ_s246.00000°,δ85.00000° ,λ-171.00000°. NP2:ϕ_s155.00000°,δ81.00000°,λ-5.00000°. Principal axes: T 0.9530,Plg3.0000°,Azm21.0000°; N -0.0940,Plg79.0000°,Azm275.0000° ; P -0.8590,Plg10.0000°,Azm111.0000° $M_0$0.90600×10^{19}

(78) Costa Rica

ISC	**X**	**10 12 19 45.1–.48**	**10.04N–.04**	**85.56W–.03**	**27–2**	**5.2b,5.1s**	**1248**	**0-151**
UCR	X	10 12 19 43.4–2.3	9.99N	85.66W	3–5	5.2b,4.2L		**¶601819784**
ISCJB	X	10 12 19 44.0–.16	10.28N–.02	85.46W–.02	26	5.1b,5.0s		
NEIC	X	10 12 19 44.9–.21	10.10N	85.48W	26	5.3,5.3W		
BJI	X	10 12 19 45.9	10.10N	85.50W	31	5.6s,5.4b		
MOS	X	10 12 19 45.4–1.3	10.35N	85.37W	33	5.3b,5.0s		

GCMT	X	10 12 19 47.9–.10	9.82N–.01	85.76W–.01	31–0	5.4W,5.0s	
IDC	X	10 12 19 48.2–.82	10.37N	85.37W	50–6	4.8s,4.8	

ISC Event type fe.
UCR Error ellipse: s-maj=4.3km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=25.0. Felt [IV] at Grecia and Nicoya and [III] at Santa Cruz and Sardinal. Also felt at Alajuela, Asuncion, Escazu, Guanacaste, Jaco, Liberia, Macacona, Nosara, Paquera, Puntarenas, Quepos, Sabanilla, Samara, San Francisco, San Ignacio, San Jose, San Rafael, Santa Ana and Sierra. Moment Tensor Solution. s42 Moment tensor: Scale 10^{16}Nm; M_{rr}8.35 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-5.51 $M_{r\theta}$4.17 $M_{\theta\phi}$3.58 $M_{\phi r}$-3.71 Best double couple: NP1:ϕ_s138.00000°,δ62.00000°,λ83.00000°. NP2: ϕ_s332.00000°,δ29.00000°,λ102.00000°. Principal axes: T 10.1000,Plg72.0000°,Azm33.0000° ; N -0.5000,Plg6.0000°,Azm141.0000°; P -9.7000,Plg17.0000°,Azm233.0000° $M_0$9.90000×10^{16}
MOS Error ellipse: s-maj=9.2km s-min=4.3km az=117.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c179; s108,c198;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.02 $M_{\theta\theta}$-0.82±.02; $M_{\phi\phi}$-0.27±.02; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$-0.53±.03; Best double couple: NP1:ϕ_s126.00000°,δ63.00000°,λ92.00000°. NP2:ϕ_s302.00000°,δ27.00000°,λ86.00000°. Principal axes: T 1.3750,Plg72.0000° ,Azm41.0000°; N 0.2060,Plg2.0000°,Azm305.0000°; P -1.5820,Plg18.0000°,Azm215.0000° $M_0$1.47800×10^{17}
IDC Error ellipse: s-maj=18.3km s-min=9.7km az=45.0.

(153) South Sandwich Islands region

ISC	**X**	**10 22 49 31.4–.28**	**60.31S–.07**	**26.68W–.07**	**20**	**5.4b,4.2s**	**228**	**8-170**
IDC	X	10 22 49 27.6–.42	60.34S	26.59W	0	5.0b,4.9		¶601874142
ISCJB	X	10 22 49 29.2–.28	60.28S–.06	26.5W–.10	20	5.2b,4.2s		
MOS	X	10 22 49 32.9–1.2	60.36S	26.65W	41	5.4b,4.2s		
NEIC	X	10 22 49 33.0–.21	60.33S	26.57W	35	5.4b,4.2s		
BJI	X	10 22 49 34.1	60.30S	26.70W	40	5.6,5.6s		
GCMT	X	10 22 49 34.0–.20	60.88S–.01	26.10W–.03	18–1	5.1W,5.6s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c49; s90,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.16 $M_{\theta\theta}$1.02±.13; $M_{\phi\phi}$0.44±.11; $M_{r\theta}$4.02±.42; $M_{\theta\phi}$3.44±.09; $M_{\phi r}$0.93±.25; Best double couple: NP1:ϕ_s261.00000°,δ80.00000°,λ-55.00000°. NP2:ϕ_s5.00000°,δ36.00000°,λ-163.00000°. Principal axes: T 6.0220,Plg27.0000° ,Azm324.0000°; N -1.1790,Plg34.0000°,Azm74.0000°; P -4.8410,Plg44.0000° ,Azm205.0000° $M_0$5.43200×10^{16}

(153) South Sandwich Islands region

ISC	**X**	**10 23 03 45.9–.41**	**60.30S–.09**	**26.80W–.09**	**20**	**4.9b,3.9s**	**85**	**8-153**
ISCJB	X	10 23 03 41.8–.39	60.56S–.08	26.4W–.20	20	4.7b,3.9s		¶601874143
IDC	X	10 23 03 42.0–.55	60.28S	26.54W	0	4.6,4.6b		
NEIC	X	10 23 03 46.8–.40	60.52S	26.43W	35	4.8b,4.6b		
BJI	X	10 23 03 48.4	60.40S	27.00W	37	5.6b,5.0s		
GCMT	X	10 23 03 49.8–.50	60.77S–.03	26.34W–.06	26–2	4.9W,5.0s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s66,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.04±.20 $M_{\theta\theta}$-1.72±.15; $M_{\phi\phi}$0.68±.12; $M_{r\theta}$1.35±.30; $M_{\theta\phi}$1.45±.09; $M_{\phi r}$0.78±.25; Best double couple: NP1:ϕ_s78.00000°,δ73.00000°,λ44.00000°. NP2:ϕ_s333.00000°,δ48.00000°,λ157.00000°. Principal axes: T 2.5620,Plg43.0000° ,Azm305.0000°; N 0.0850,Plg43.0000°,Azm95.0000°; P -2.6440,Plg15.0000°,Azm200.0000° $M_0$2.60300×10^{16}

(196) Irian Jaya region

ISC	**X**	**11 01 07 54.2–.41**	**4.86S–.05**	**134.11E–.06**	**21**	**4.5b,3.6s**	**79**	**3-150**
IDC	X	11 01 07 50.4–.61	4.68S	134.36E	0	4.5,4.4		¶601825974
ISCJB	X	11 01 07 51.5–.28	4.99S–.03	134.12E–.04	21	4.4b,3.7s		
NEIC	X	11 01 07 52.3–.31	4.86S	134.18E	10	4.5b,3.7s		
BJI	X	11 01 07 55.1	4.06S	134.13E	8	4.9b,4.7b		
DJA	X	11 01 07 55.9–.60	5S–9.0	134E–4.0	10	5.7b,5.7b		

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

(705) Off west coast of northern Sumatera

ISC	**X**	**11 17 07 53.5–.47**	**1.44N–.04**	**92.53E–.04**	**24–2**	**5.2b,5.0s**	**623**	**4-171**
BJI	X	11 17 07 49.9	1.19N	92.39E	25	5.3b,5.3s		¶601826738
IDC	X	11 17 07 49.7–.42	1.41N	92.52E	0	4.9,4.9		
GCMT	X	11 17 07 51.7–.10	1.37N–.01	92.53E–.01	12	5.3W,4.9		
ISCJB	X	11 17 07 52.6–.13	1.48N–.02	92.60E–.02	28	5.2b,4.9s		
MOS	X	11 17 07 53.0–.98	1.47N	92.59E	33	5.4b,4.7s		
DJA	X	11 17 07 53.6–.20	1N–2.0	93E–2.0	10	5.8,5.6b		
NEIC	X	11 17 07 54.7–.20	1.47N	92.59E	35	5.3b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=10.0km az=45.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c125; s114,c204;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$0.41±.01; $M_{\phi\phi}$-0.30±.01; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$-0.86±.01; $M_{\phi r}$-0.28±.03; Best double couple: NP1:ϕ_s169.00000°,δ84.00000°,λ17.00000°. NP2:ϕ_s77.00000°,δ73.00000°,λ173.00000°. Principal axes: T 1.0980,Plg17.0000° ,Azm35.0000°; N -0.2070,Plg72.0000°,Azm189.0000°; P -0.8910,Plg7.0000°,Azm302.0000° $M_0$0.99400×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=30.3.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=110.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=37.0.

(196) Irian Jaya region

ISC	**X**	**12 00 31 31.4–.33**	**4.89S–.02**	**134.08E–.03**	**35–1**	**6.6s,6.3b**	**2124**	**1-173**
IDC	X	12 00 31 26.3–.27	4.81S	134.10E	0	6.5s,6.5		¶601828936
ISCJB	X	12 00 31 27.1–.53	4.87S–.02	134.07E–.02	16–3	6.5s,6.2b		
NEIC	X	12 00 31 28.3–.10	4.89S	134.03E	13	6.8,6.6W		
BJI	X	12 00 31 28.3	4.89S	134.07E	27	6.6s,6.5b		
MOS	X	12 00 31 29.5–.94	4.84S	134.06E	33	6.5b,6.4s		
DJA	X	12 00 31 30.8–.10	5S–1.0	134E–1.0	23	7.1,7.0b		
NEIC	X	12 00 31 30.0–.00	4.74S	133.98E	15	7.1,7.0b		
GCMT	X	12 00 31 33.3–.00	4.84S	133.97E	20–0	6.6W,7.0b		
NEIC	X	12 00 31 45.0–.00	5.02S	133.98E	10	6.6W,7.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.0km s-min=8.0km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=44.1.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=45.0. Felt [IV] on Pulau Ambon and [III] at Nabire, Timika and Wamena. Also felt at Tual. Felt [II] at Darwin, Australia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.36 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.28 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$6.13 $M_{r\theta}$-1.09 $M_{\theta\phi}$1.26 $M_{\phi r}$1.45 Best double couple: NP1:ϕ_s26.00000° ,δ41.00000°,λ-66.00000°. NP2:ϕ_s175.00000°,δ53.00000°,λ-109.00000°. Principal axes: T 6.4900,Plg6.0000°,Azm279.0000°; N -0.7100,Plg15.0000°,Azm187.0000° ; P -5.7800,Plg73.0000°,Azm30.0000° $M_0$6.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s163.00000°,δ66.00000°,λ-141.00000°. NP2: ϕ_s55.00000°,δ55.00000°,λ-30.00000°. Principal axes: T Plg7.0000°,Azm287.0000° ; N Plg0.0000°,Azm0.0000°; P Plg44.0000°,Azm23.0000°
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=111.1.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ61.00000° ,λ-77.00000°. NP2:ϕ_s174.00000°,δ32.00000°,λ-111.00000°. Principal axes: T 0.9600,Plg14.0000°,Azm99.0000°; N 0.0800,Plg10.0000°,Azm192.0000° ; P -1.0400,Plg71.0000°,Azm317.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c389; s144,c681; Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.77±.00 $M_{\theta\theta}$-0.07±.00; $M_{\phi\phi}$0.84±.00; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$0.17±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s177.00000°,δ57.00000° ,λ-106.00000°. NP2:ϕ_s25.00000°,δ36.00000°,λ-67.00000°. Principal axes: T 0.9360,Plg11.0000°,Azm278.0000°; N -0.0600,Plg13.0000°,Azm186.0000° ; P -0.8760,Plg73.0000°,Azm46.0000° $M_0$0.90600×10^{19}
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{18}Nm; M_{rr}-7.03 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$7.79 $M_{r\theta}$1.70 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.50 Best double couple: NP1:ϕ_s207.00000° ,δ43.00000°,λ-66.00000°. NP2:ϕ_s355.00000°,δ52.00000°,λ-111.00000°. Principal axes: T 8.2100,Plg4.0000°,Azm100.0000°; N -0.5100,Plg16.0000°,Azm9.0000° ; P -7.7000,Plg73.0000°,Azm205.0000° $M_0$8.00000×10^{18}

(196) Irian Jaya region

ISC	**X**	**12 01 29 18.4–.34**	**4.96S–.04**	**133.90E–.05**	**28**	**4.7b**	**161**	**1-152**
BJI	X	12 01 29 12.9	4.94S	134.05E	5	5.6b,5.4s		¶601828937
NEIC	X	12 01 29 15.7–.24	4.94S	133.92E	10	4.7b,5.4s		
IDC	X	12 01 29 15.0–.51	4.79S	133.77E	0	4.7,4.7		
ISCJB	X	12 01 29 16.4–.23	4.98S–.03	133.98E–.03	28	4.6b,4.7		
DJA	X	12 01 29 17.4–.20	5S–2.0	134E–2.0	10	5.8b,5.4		

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

(204) Aru Islands region

ISC	**X**	**12 01 34 51.9–.32**	**4.78S–.04**	**133.85E–.05**	**28**	**4.5b**	**184**	**1-158**
BJI	X	12 01 34 43.2	5.29S	134.22E	10	5.6b,5.4s		¶601828938
IDC	X	12 01 34 48.1–.52	4.85S	133.73E	0	5.2L,4.8		
NEIC	X	12 01 34 49.4–.21	4.87S	133.82E	10	4.6b,4.8		
ISCJB	X	12 01 34 50.1–.20	4.89S–.02	133.84E–.03	28	4.6b,4.8		
DJA	X	12 01 34 52.7–.30	5S–2.0	134E–2.0	43–4	6.0b,5.6		

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

(263) Talaud Islands

ISC	**X**	**12 08 14 47.6–.52**	**3.92N–.05**	**126.62E–.07**	**45**	**4.2b,3.0s**	**60**	**1-141**
ISCJB	X	12 08 14 45.0–.35	3.96N–.04	126.70E–.05	45	4.3b,3.0s		¶601843582
NEIC	X	12 08 14 44.3–.76	3.99N	126.63E	26–5	4.3b,3.0s		
IDC	X	12 08 14 45.4–4.3	3.94N	126.55E	33–31	4.1,4.1		
DJA	X	12 08 14 47.6–1.1	4N–8.0	127E–5.0	26–5	6.0b,5.6		

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

(196) Irian Jaya region

ISC	**X**	**12 15 52 24.7–.65**	**5.07S–.06**	**133.84E–.07**	**28**	**4.0b**	**30**	**1-73**
IDC	X	12 15 52 22.5–1.0	4.97S	133.61E	0	4.4,4.3		¶601829126
ISCJB	X	12 15 52 23.6–.47	5.00S–.04	133.87E–.06	28	4.1b,3.3s		
DJA	X	12 15 52 26.1–1.0	5S–4.0	134E–3.0	20–11	5.5b,5.0		
NEIC	X	12 15 52 27.2–.82	5.05S	133.70E	35	4.5b,5.0		

ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=16.6km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=170.9.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.7km az=61.0.

(78) Costa Rica

ISC	**X**	**12 19 24 15.8–.46**	**9.58N–.04**	**84.27W–.04**	**53–3**	**5.0b,4.1s**	**1070**	**0-154**
UCR	X	12 19 24 14.4–2.0	9.46N	84.32W	30–3	5.0b,4.7		¶601830331
BJI	X	12 19 24 14.0	9.60N	84.20W	40	5.5b,5.2s		
MOS	X	12 19 24 14.5–.93	9.72N	84.30W	49	5.0b,4.1s		
ISCJB	X	12 19 24 14.6–.22	9.59N–.02	84.27W–.02	59–1	5.0b,4.1s		
GCMT	X	12 19 24 15.6–.30	9.50N–.02	84.41W–.02	48–3	5.0W,4.1s		
NEIC	X	12 19 24 16.6–.41	9.60N	84.27W	63–3	5.2,5.0b		
IDC	X	12 19 24 16.3–.95	9.74N	84.24W	54–8	4.8,4.6		

ISC Event type fe.
UCR Error ellipse: s-maj=4.6km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=5.4km az=104.1.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=36.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c26; s80,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.18 $M_{\theta\theta}$2.09±.14; $M_{\phi\phi}$-3.39±.14; $M_{r\theta}$1.74±.12; $M_{\theta\phi}$-1.06±.12; $M_{\phi r}$-0.47±.15; Best double couple: NP1:ϕ_s152.00000°,δ66.00000°,λ30.00000°. NP2:ϕ_s49.00000°,δ63.00000°,λ153.00000°. Principal axes: T 3.6550,Plg37.0000° ,Azm11.0000°; N -0.0720,Plg53.0000°,Azm187.0000°; P -3.5930,Plg2.0000°,Azm280.0000° $M_0$3.62400×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=215.0. Felt [IV] at Alajuela, Alajuelita, Cartago, Heredia, Quepos, San Jose and Santa Ana; [III] at Atenas, Escazu, Guadalupe, Jaco, Parrita, Puerto Viejo, San Ignacio and Tres Rios. Felt widely in the Valle Central and lightly in Guanacaste.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=41.0.

(173) Tonga Islands

ISC	**X**	**13 17 52 50.6–.50**	**19.94S–.06**	**174.05W–.07**	**26–3**	**5.0b,4.2s**	**457**	**6-172**
IDC	X	13 17 52 47.0–.54	19.85S	174.14W	0	5.0L,4.8		¶601874154
BJI	X	13 17 52 47.3	19.55S	173.67W	9	5.6b,5.4s		
NEIC	X	13 17 52 49.9–3.1	19.96S	173.99W	24–21	5.1b,5.4s		
ISCJB	X	13 17 52 50.2–.14	19.99S–.03	173.92W–.04	33	5.0b,4.1s		
GCMT	X	13 17 52 52.9–.20	19.99S–.02	173.51W–.02	27–1	5.1W,4.1s		
MOS	X	13 17 52 53.4–3.0	19.61S	174.30W	33	5.1b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.9km az=124.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=33.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c58; s89,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.72±.17 $M_{\theta\theta}$1.71±.16; $M_{\phi\phi}$-2.43±.14; $M_{r\theta}$2.52±.32; $M_{\theta\phi}$3.51±.10; $M_{\phi r}$-0.85±.25; Best double couple: NP1:ϕ_s108.00000°,δ85.00000°,λ34.00000°. NP2:ϕ_s15.00000°,δ56.00000°,λ174.00000°. Principal axes: T 4.6180,Plg27.0000° ,Azm337.0000°; N 0.5310,Plg56.0000°,Azm115.0000°; P -5.1500,Plg20.0000° ,Azm236.0000° $M_0$4.88400×10^{16}
MOS Error ellipse: s-maj=10.8km s-min=8.8km az=66.0.

(173) Tonga Islands

ISC	**X**	**13 22 36 31.2–.71**	**16.98S–.06**	**174.38W–.05**	**52–6**	**5.1b,4.8s**	**648**	**4-175**
IDC	X	13 22 36 22.7–.48	16.59S	174.57W	0	4.7,4.7		¶601833178
GCMT	X	13 22 36 27.8–.10	16.62S–.01	174.40W–.01	12	5.3W,4.7		
MOS	X	13 22 36 27.9–1.5	16.94S	174.46W	33	5.3b,4.7		
ISCJB	X	13 22 36 29.2–1.3	16.91S–.04	174.46W–.03	48–11	5.1b,4.7s		
BJI	X	13 22 36 30.1	17.00S	174.40W	57	5.6b,5.3s		
NEIC	X	13 22 36 30.8–1.1	16.89S	174.48W	50–10	5.1b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=13.3km az=142.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c102; s122,c221;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$0.88±.01; $M_{r\theta}$-0.04±.04; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$0.42±.03; Best double couple: NP1:ϕ_s180.00000°,δ58.00000°,λ-95.00000°. NP2:ϕ_s10.00000°,δ33.00000°,λ-82.00000°. Principal axes: T 0.9810,Plg13.0000° ,Azm274.0000°; N -0.0150,Plg4.0000°,Azm183.0000°; P -0.9670,Plg77.0000°,Azm75.0000° $M_0$0.97400×10^{17}
MOS Error ellipse: s-maj=9.9km s-min=8.3km az=53.3.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=153.6.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=148.0.

(200) Near north coast of New Guinea

ISC	**X**	**13 23 07 54.9–1.2**	**2.57S–.04**	**142.31E–.04**	**24–8**	**5.2b,4.2s**	**645**	**2-157**
BJI	X	13 23 07 47.4	2.70S	142.76E	6	5.3b,5.1b		¶601833179
IDC	X	13 23 07 51.0–.44	2.50S	142.42E	0	5.3L,5.1		
ISCJB	X	13 23 07 51.4–.13	2.50S–.02	142.31E–.02	10	5.1b,4.2s		
MOS	X	13 23 07 54.7–1.2	2.50S	142.27E	33	5.4b,4.1s		
NEIC	X	13 23 07 54.6–1.2	2.54S	142.33E	23–8	5.3b,4.1s		
GCMT	X	13 23 07 55.7–.20	2.42S–.01	142.31E–.02	20–0	5.1W,4.1s		
DJA	X	13 23 08 00.3–.80	3S–5.0	142E–5.0	55–6	6.0,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c77; s89,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.13±.22 $M_{\theta\theta}$-4.58±.14; $M_{\phi\phi}$-0.55±.15; $M_{r\theta}$0.89±.26; $M_{\theta\phi}$4.20±.10; $M_{\phi r}$1.09±.28; Best double couple: NP1:ϕ_s102.00000°,δ50.00000°,λ62.00000°. NP2:ϕ_s322.00000°,δ48.00000°,λ119.00000°. Principal axes: T 5.6770,Plg69.0000° ,Azm304.0000°; N 1.5490,Plg21.0000°,Azm122.0000°; P -7.2260,Plg1.0000°,Azm212.0000° $M_0$6.45100×10^{16}

(221) Kuril Islands

ISC	**X**	**14 09 41 60.0–.37**	**48.26N–.03**	**154.59E–.03**	**47–2**	**5.6b,5.4s**	**2250**	**3-156**
NIED	X	14 09 41 00	48.10N	155.10E	29	5.7W,5.4s		¶601833194
BJI	X	14 09 41 53.7	48.48N	155.13E	34	5.4b,5.4b		
JMA	X	14 09 41 55.7–.70	48.13N	155.15E	30	5.7,5.4b		
KRSC	X	14 09 41 57.9–1.7	48.21N	154.79E	94–34	6.1L,5.4b		
NEIC	X	14 09 41 59.0–.07	48.31N	154.43E	35	5.7W,5.7W		
ISCJB	X	14 09 41 58.5–.27	48.29N–.02	154.53E–.02	46–2	5.5b,5.4s		

NEIC X 14 09 41 58.0–.00 48.22N 154.61E 45 5.5b,5.4s
MOS X 14 09 41 59.6–.98 48.33N 154.56E 58 5.7b,5.3s
SKHL X 14 09 41 59.6–.20 48.08N 154.84E 60–2 6.1b,6.0
GCMT X 14 09 42 02.0–.10 48.27N–.01 154.81E–.01 46–0 5.8W,6.0
IDC X 14 09 42 02.3–1.9 48.33N 154.43E 66–16 5.3s,5.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ56.00000°,λ22.00000°. NP2:ϕ_s273.00000°,δ72.00000°,λ144.00000°. M_o3.94000×10^{17}
JMA Error ellipse: s-maj=10.0km s-min=8.9km az=-1.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.5km az=159.0. Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}4.27 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$-2.23 $M_{r\theta}$1.29 $M_{\theta\phi}$-3.41 $M_{\phi r}$-1.18 Best double couple: NP1:ϕ_s67.00000°,δ50.00000°,λ123.00000°. NP2:ϕ_s201.00000°,δ50.00000°,λ57.00000°. Principal axes: T 5.0700,Plg65.0000°,Azm44.0000° ; N 0.4800,Plg25.0000°,Azm224.0000°; P -5.5500,Plg0.0000°,Azm134.0000° M_o5.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.4km az=155.1.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}3.94 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.53 $M_{\theta\phi}$-2.20 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s55.00000°,δ54.00000°,λ110.00000°. NP2:ϕ_s203.00000°,δ41.00000°,λ65.00000°. Principal axes: T 4.4000,Plg72.0000°,Azm19.0000°; N -0.0700,Plg16.0000°,Azm222.0000° ; P -4.3300,Plg6.0000°,Azm130.0000° M_o4.40000×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=75.4. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c286; s137,c375; Duration: 1ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.31±.06 $M_{\theta\theta}$-3.09±.05; $M_{\phi\phi}$-2.21±.05; $M_{r\theta}$1.59±.05; $M_{\theta\phi}$-3.68±.03; $M_{\phi r}$-1.50±.05; Best double couple: NP1:ϕ_s70.00000°,δ50.00000°,λ120.00000°. NP2:ϕ_s207.00000°,δ48.00000°,λ59.00000°. Principal axes: T 6.2290,Plg67.0000°,Azm46.0000°; N 0.1400,Plg23.0000°,Azm229.0000° ; P -6.3600,Plg1.0000°,Azm139.0000° M_o6.29400×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=8.0km az=134.0.

(337) Eastern Caucasus

ISC	**X**	**14 10 13 40.3–.38**	**41.72N–.01**	**46.31E–.01**	**24–2**	**5.4s,5.2b**	**1257**	**0-137**
NSSP	X	14 10 13 34.9	41.72N	46.28E	10	5.3s,5.2b		**¶601833197**
IDC	X	14 10 13 35.8–.31	41.71N	46.35E	0	5.2,5.2s		
AZER	X	14 10 13 36.2–.07	41.66N	46.27E	8–0	5.8L,5.2s		
MOS	X	14 10 13 36.7–.00	41.73N	46.31E	7–0	5.6,5.2s		
BJI	X	14 10 13 36.8	41.90N	46.40E	10	5.6s,5.5b		
MOS	X	14 10 13 37.1–1.4	41.72N	46.39E	10	5.3b,5.1s		
NORS	X	14 10 13 37.3–.00	41.75N	46.35E	4–0	5.6,5.1s		
TIF	X	14 10 13 37.5	41.66N	46.31E	14–1	5.6,5.1s		
NEIC	X	14 10 13 38.6–.12	41.83N	46.41E	10	5.6L,5.4L		
DRS	X	14 10 13 39.2–.00	41.77N	46.17E	16	5.6L,5.4L		
ISCJB	X	14 10 13 39.5–.24	41.75N–.01	46.37E–.01	26–1	5.3s,5.1b		
GII	X	14 10 13 39.7–.00	41.88N	46.44E	30–4	5.3s,5.1b		
GCMT	X	14 10 13 39.6–.20	41.63N–.01	46.31E–.02	12	5.6W,5.1b		
NNC	X	14 10 13 40.6–5.2	42.03N	46.72E	0	5.7b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=6.9km s-min=5.9km az=4.0.
AZER Error ellipse: s-maj=1.6km s-min=0.7km az=326.0.
MOS Event type se.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=120.3. Felt (III-IV) at Makhachkala, (II) at Tarumovka. Moment Tensor Solution.
NORS Event type se.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=178.0. Felt [IV] at Tbilisi, Georgia. Also felt at Lagodekhi, Rust'avi, Tibaani and Zemo Khandaki. Felt at Yerevan, Armenia.
DRS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=9.2.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c95; s94,c158;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.02 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$2.66±.06; $M_{\theta\phi}$0.33±.02; $M_{\phi r}$-0.45±.06; Best double couple: NP1:ϕ_s100.00000°,δ83.00000°,λ86.00000°. NP2:ϕ_s310.00000°,δ9.00000°,λ120.00000°. Principal axes: T 2.7840,Plg52.0000° ,Azm5.0000°; N 0.0320,Plg4.0000°,Azm101.0000°; P -2.8170,Plg37.0000°,Azm194.0000° M_o2.80000×10^{17}
NNC Event type se. Error ellipse: s-maj=63.8km s-min=39.7km az=8.0.

(134) Off coast of central Chile

ISC	**X**	**14 10 50 18.2–.42**	**35.38S–.04**	**74.02W–.07**	**35**	**4.8b**	**130**	**2-178**
IDC	X	14 10 50 13.0–.62	35.34S	74.13W	0	4.7,4.7s		**¶601833200**
ISCJB	X	14 10 50 16.8–.22	35.40S–.03	73.94W–.03	33	4.7s,4.7b		
GUC	X	14 10 50 16.2–.59	35.44S	74.00W	40	4.2L,4.7b		
BJI	X	14 10 50 16.0	35.30S	74.00W	23	5.6s,5.5		
NEIC	X	14 10 50 17.2–1.6	35.31S	73.93W	21–11	4.8b,4.3L		

ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=11.5km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.7km az=163.4.
GUC Error ellipse: s-maj=1.9km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=83.0.

(221) Kuril Islands

ISC	**X**	**14 11 09 36.2–.67**	**48.33N–.04**	**154.54E–.04**	**54–5**	**5.1b**	**1343**	**3-154**
GCMT	X	14 11 09 28.5–.50	48.20N–.03	155.37E–.05	32–1	5.5W		**¶601834622**
BJI	X	14 11 09 29.7	48.22N	154.96E	34	5.4s,5.2		
KRSC	X	14 11 09 32.4–1.9	48.14N	154.92E	82–33	5.6L,5.2		
ISCJB	X	14 11 09 34.6–.35	48.35N–.02	154.50E–.02	52–2	5.7s,5.1b		
NEIC	X	14 11 09 34.5–.09	48.35N	154.43E	35	5.1b,5.1b		
SKHL	X	14 11 09 36.4–.20	48.30N	154.60E	73–5	5.6b,5.2		
MOS	X	14 11 09 36.8–1.0	48.48N	154.45E	73	5.3b,4.0s		
IDC	X	14 11 09 37.7–2.3	48.38N	154.46E	66–20	5.0,4.9		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c52; s41,c53;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.09 $M_{\theta\theta}$-0.05±.09; $M_{\phi\phi}$-1.25±.08; $M_{r\theta}$-0.62±.12; $M_{\theta\phi}$-1.07±.05; $M_{\phi r}$-0.75±.10; Best double couple: NP1:ϕ_s218.00000°,δ61.00000°,λ99.00000°. NP2:ϕ_s20.00000°,δ30.00000°,λ74.00000°. Principal axes: T 1.5990,Plg72.0000° ,Azm149.0000°; N 0.5520,Plg8.0000°,Azm34.0000°; P -2.1450,Plg16.0000°,Azm301.0000° M_o1.87200×10^{17}
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=1.8km az=157.8.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=1.7km az=162.0.
MOS Error ellipse: s-maj=6.9km s-min=2.9km az=71.3.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=145.0.

(229) Off east coast of Honshu

ISC	**X**	**14 11 11 35.2–.33**	**38.25N–.03**	**144.37E–.03**	**25–1**	**5.6b,4.9s**	**1810**	**2-159**
NIED	X	14 11 11 00	38.30N	144.30E	5	5.3W,4.9s		**¶601841765**
ISCJB	X	14 11 11 30.9–.52	38.24N–.02	144.31E–.01	6–3	5.5b,5.0s		
IDC	X	14 11 11 31.1–.35	38.21N	144.49E	0	5.3,5.3		
JMA	X	14 11 11 34.2–.10	38.28N	144.26E	46	5.4,5.3		
BJI	X	14 11 11 35.3	38.42N	144.07E	19	5.6b,5.4s		
GCMT	X	14 11 11 35.4–.10	38.29N–.01	144.34E–.01	12	5.4W,5.4s		
MOS	X	14 11 11 35.5–.95	38.36N	144.29E	37	5.6b,4.8s		
NEIC	X	14 11 11 36.4–.85	38.22N	144.33E	34–6	5.6b,4.9s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s183.00000°,δ57.00000°,λ-91.00000°. M_o1.06000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=164.5.
IDC Error ellipse: s-maj=10.5km s-min=9.3km az=57.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c143; s131,c306;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52±.02 $M_{\theta\theta}$-0.08±.02; $M_{\phi\phi}$1.59±.02; $M_{r\theta}$0.06±.05; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$0.37±.05; Best double couple: NP1:ϕ_s185.00000°,δ52.00000°,λ-89.00000°. NP2:ϕ_s3.00000°,δ38.00000°,λ-92.00000°. Principal axes: T 1.6420,Plg7.0000° ,Azm274.0000°; N -0.0840,Plg1.0000°,Azm4.0000°; P -1.5650,Plg83.0000°,Azm104.0000° M_o1.60400×10^{17}
MOS Error ellipse: s-maj=6.9km s-min=5.4km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=146.0. Recorded [2 JMA] in Aomori and Miyagi.

(219) Off east coast of Kamchatka Peninsula

ISC	**X**	**15 01 19 05.7–.49**	**51.86N–.03**	**159.56E–.02**	**46–3**	**5.5s,5.4b**	**1479**	**1-160**
KRSC	X	15 01 18 58.8–1.5	51.54N	160.07E	46–16	6.0L,5.4b		**¶601834067**
BJI	X	15 01 18 58.6	52.03N	159.52E	14	5.9s,5.8		
NEIC	X	15 01 19 03.0–.00	51.91N	159.45E	21	5.9s,5.8		
NEIC	X	15 01 19 03.2–.14	51.90N	159.38E	21	5.6W,5.6W		
ISCJB	X	15 01 19 04.8–.31	51.81N–.02	159.51E–.02	50–2	5.5s,5.3b		
MOS	X	15 01 19 04.6–1.1	51.82N	159.49E	52	5.7s,5.6b		
IDC	X	15 01 19 06.4–2.0	51.83N	159.48E	55–17	5.4,5.4s		
GCMT	X	15 01 19 07.2–.10	51.70N–.01	159.89E–.01	24–0	5.6W,5.4s		
PDG	X	15 01 19 07.7	52.09N	159.17E	40	5.5b,5.4s		

ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-0.99 $M_{r\theta}$1.23 $M_{\theta\phi}$-0.35 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s30.00000°,δ75.00000°,λ89.00000°. NP2:ϕ_s216.00000°,δ15.00000°,λ95.00000°. Principal axes: T 3.1700,Plg60.0000°,Azm298.0000°; N -0.5100,Plg1.0000°,Azm30.0000° ; P -2.6600,Plg29.0000°,Azm121.0000° M_o2.90000×10^{17}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.7km az=167.0. Moment Tensor Solution. s84 Moment tensor: Scale 10^{17}Nm; M_{rr}2.33 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.98 Best double couple: NP1:ϕ_s226.00000°,δ21.00000°,λ97.00000°. NP2:ϕ_s38.00000°,δ69.00000°,λ87.00000°. Principal axes: T 3.4400,Plg66.0000°,Azm304.0000° ; N -0.3000,Plg3.0000°,Azm39.0000°; P -3.1400,Plg24.0000°,Azm131.0000° M_o3.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.0km az=163.2.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=2.7km az=92.2. Felt (III) at Petropavlovsk-Kamchatskiy, (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=11.1km s-min=8.4km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c226; s133,c337; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$-0.88±.03; $M_{\phi\phi}$-2.00±.03; $M_{r\theta}$1.24±.05; $M_{\theta\phi}$-1.37±.02; $M_{\phi r}$1.23±.04; Best double couple: NP1:ϕ_s40.00000°,δ61.00000°,λ96.00000°. NP2:ϕ_s208.00000°,δ30.00000°,λ80.00000°. Principal axes: T 3.3810,Plg74.0000°,Azm325.0000°; N 0.0100,Plg5.0000°,Azm217.0000° ; P -3.3900,Plg15.0000°,Azm125.0000° M_o3.38600×10^{17}
PDG Event type ke.

(706) Northern Sumatera

ISC	**X**	**15 11 33 40.1–1.2**	**1.97N–.04**	**97.83E–.05**	**56–11**	**4.4b,3.3s**	**86**	**1-87**
IDC	X	15 11 33 31.9–.59	1.78N	97.63E	0	4.7L,4.4		**¶601834422**
NEIC	X	15 11 33 37.2–.30	1.77N	97.69E	35	4.5b,4.4		
ISCJB	X	15 11 33 39.7–.49	1.97N–.04	97.88E–.05	68–4	4.3b,4.4		
DJA	X	15 11 33 39.4–1.0	2N–3.0	98E–4.0	16–11	5.5b,5.0		

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

(134) Off coast of central Chile

ISC	**X**	**15 21 04 18.7–.68**	**31.72S–.02**	**71.99W–.04**	**14–3**	**5.2b,4.7s**	**704**	**1-176**
SJA	X	15 21 04 12.0–.48	31.90S	72.70W	17–5	5.5L,5.0W		**¶601835751**
ISCJB	X	15 21 04 16.9–.12	31.77S–.02	72.18W–.03	10	5.1b,4.6s		
IDC	X	15 21 04 16.6–.44	31.80S	71.89W	0	5.0,4.9		
GUC	X	15 21 04 18.5–.63	31.82S	72.17W	39–3	5.2L,4.9		
NEIC	X	15 21 04 20.6–1.3	31.81S	71.79W	24–9	5.2L,5.2b		
GCMT	X	15 21 04 21.6–.20	31.81S–.02	72.29W–.02	22–0	5.1W,5.2b		
MOS	X	15 21 04 21.0–1.2	31.73S	71.82W	33	5.3b,5.2b		
BJI	X	15 21 04 22.0	31.80S	72.20W	29	5.5s,5.3		

ISC Event type fe.
SJA Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.3km az=143.7.
IDC Error ellipse: s-maj=19.1km s-min=13.2km az=88.0.
GUC Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.5km az=84.0. Felt [IV] at Salamanca and [II] at Coquimbo, La Serena, Quillota and Villa Alemana. Also felt at Lo Barnechea, Los Vilos and Quilpue. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.91 $M_{r\theta}$-0.29 $M_{\theta\phi}$1.00 $M_{\phi r}$-3.17 Best double couple: NP1:ϕ_s176.00000°,δ72.00000°,λ105.00000°. NP2:ϕ_s316.00000°,δ23.00000°,λ52.00000°. Principal axes: T 4.2600,Plg60.0000°,Azm108.0000°; N -0.5100,Plg14.0000°,Azm352.0000° ; P -3.7500,Plg26.0000°,Azm255.0000° M_o4.00000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c60; s80,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.12±.18 $M_{\theta\theta}$-0.17±.11; $M_{\phi\phi}$-4.95±.14; $M_{r\theta}$-0.54±.18; $M_{\theta\phi}$0.43±.08; $M_{\phi r}$-3.47±.21; Best double couple: NP1:ϕ_s183.00000°,δ62.00000°,λ97.00000°. NP2:ϕ_s348.00000°,δ28.00000°,λ77.00000°. Principal axes: T 6.2640,Plg72.0000° ,Azm108.0000°; N -0.2230,Plg6.0000°,Azm359.0000°; P -6.0410,Plg17.0000° ,Azm267.0000° M_o6.15300×10^{16}
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=102.0.

(169) Samoa Islands region

ISC	**X**	**17 14 49 60.0–.32**	**15.13S–.07**	**173.48W–.08**	**30**	**5.0b,4.0s**	**474**	**2-175**
IDC	X	17 14 49 55.1–.47	15.09S	173.55W	0	4.8,4.7		**¶601837577**
MOS	X	17 14 49 57.8–1.2	14.98S	173.28W	19	5.2b,4.7		
NEIC	X	17 14 49 57.7–3.8	15.04S	173.57W	16–23	5.0b,4.7		
ISCJB	X	17 14 49 58.2–.21	15.05S–.06	173.62W–.04	30	4.9b,3.9s		
BJI	X	17 14 49 59.0	15.00S	173.60W	35	5.6b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=13.8km az=125.0.
MOS Error ellipse: s-maj=13.7km s-min=9.2km az=72.8.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=152.9.

(173) Tonga Islands

ISC	**X**	**17 17 23 42.2–.43**	**19.20S–.04**	**174.07W–.05**	**31–2**	**5.5b,4.9s**	**866**	**4-173**
IDC	X	17 17 23 37.5–.35	19.02S	174.08W	0	5.6L,5.1		**¶601837583**
BJI	X	17 17 23 41.8	18.85S	174.12W	28	5.6b,5.4s		
MOS	X	17 17 23 41.4–1.1	19.04S	174.13W	33	5.5b,4.9s		
ISCJB	X	17 17 23 41.2–.08	19.07S–.02	174.14W–.02	33	5.4b,4.9s		
NEIC	X	17 17 23 43.0–.09	19.04S	174.19W	35	5.5b,5.0s		
WEL	X	17 17 23 42.0	19.04S	174.19W	35	5.5b,5.0s		
GCMT	X	17 17 23 46.0–.10	19.07S–.01	173.58W–.01	41–1	5.3W,5.0s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Neiafu.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c167; s110,c184;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-1.11±.03; Best double couple: NP1:ϕ_s175.00000°,δ76.00000°,λ108.00000°. NP2:ϕ_s303.00000°,δ22.00000°,λ40.00000°. Principal axes: T 1.2640,Plg56.0000° ,Azm107.0000°; N 0.1320,Plg17.0000°,Azm350.0000°; P -1.3950,Plg29.0000° ,Azm251.0000° M_o1.32900×10^{17}

(701) West of Macquarie Island

ISC	**X**	**18 01 27 16.1–.61**	**54.31S–.04**	**144.21E–.05**	**11–3**	**5.8s,5.5b**	**727**	**9-162**
ISCJB	X	18 01 27 12.6–1.1	54.27S–.03	143.95E–.06	1–6	5.8s,5.4b		**¶601838150**
IDC	X	18 01 27 13.6–.43	54.33S	143.93E	0	5.6s,5.6		
NEIC	X	18 01 27 15.0–.00	54.17S	143.40E	13	5.6s,5.6		
MOS	X	18 01 27 15.0–2.1	54.15S	144.44E	10	5.7s,5.1b		
NEIC	X	18 01 27 16.0–.40	54.22S	144.01E	8–2	5.9W,5.9W		
GCMT	X	18 01 27 19.0–.10	54.28S	143.87E	15–0	5.9W,5.9W		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=165.6.
IDC Error ellipse: s-maj=22.6km s-min=11.9km az=82.0.
NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-1.44 $M_{r\theta}$1.54 $M_{\theta\phi}$-8.19 $M_{\phi r}$1.12 Best double couple: NP1:ϕ_s265.00000°,δ83.00000°,λ-168.00000°. NP2:ϕ_s173.00000°,δ78.00000°,λ-7.00000°. Principal axes: T 8.7800,Plg3.0000°,Azm38.0000°; N -0.3100,Plg76.0000°,Azm295.0000° ; P -8.4600,Plg13.0000°,Azm129.0000° M_o8.60000×10^{17}
MOS Error ellipse: s-maj=20.0km s-min=8.0km az=93.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=6.0km az=203.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$3.67 $M_{\phi\phi}$-2.66 $M_{r\theta}$0.26 $M_{\theta\phi}$-8.48 $M_{\phi r}$-2.83 Best double couple: NP1:ϕ_s349.00000°,δ86.00000°,λ-18.00000°. NP2:ϕ_s80.00000°,δ72.00000°,λ-176.00000°. Principal axes: T 9.8700,Plg10.0000°,Azm36.0000° ; N -0.7300,Plg72.0000°,Azm157.0000°; P -9.1500,Plg15.0000°,Azm303.0000° M_o9.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c281; s141,c448; Duration: 2ŝ3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$0.30±.01; $M_{\phi\phi}$-0.18±.01; $M_{r\theta}$-0.07±.01; $M_{\theta\phi}$-0.96±.01; $M_{\phi r}$-0.11±.01; Best double couple: NP1:ϕ_s353.00000°

,δ84.00000°,λ-6.00000°. NP2:φs83.00000°,δ84.00000°,λ-174.00000°. Principal axes:
T 1.0510,Plg0.0000°,Azm38.0000°; N -0.0970,Plg81.0000°,Azm130.0000°
; P -0.9520,Plg9.0000°,Azm308.0000° M0 1.00100×10^18

(286) Flores region

ISC	**X**	**18 04 14 31.7–.24**	**8.08S–.03**	**123.76E–.04**	**35**	**5.0b,4.1s**	**405**	**2-162**
IDC	X	18 04 14 26.1–.40	8.02S	123.59E	0	4.8,4.8		**¶601838157**
ISCJB	X	18 04 14 29.6–.16	8.03S–.02	123.77E–.02	33	4.9b,4.0s		
BJI	X	18 04 14 30.7	8.10S	123.60E	33	5.3b,4.9b		
GCMT	X	18 04 14 30.4–.30	8.03S–.02	123.72E–.05	17–1	4.9W,4.9b		
MOS	X	18 04 14 30.7–1.1	7.92S	123.58E	38	5.3b,4.9b		
DJA	X	18 04 14 31.0–.90	8S–2.0	124E–2.0	22–7	5.5b,5.3b		
NEIC	X	18 04 14 32.4–.53	8.06S	123.67E	43–5	5.1b,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=155.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s57,c83;Duration: 0
Moment tensor: Scale 10^16Nm; Mrr2.46±.24 Mθθ-2.31±.14; Mφφ-0.15±.14; Mrθ-0.92±.31; Mθφ-0.22±.08; Mφr-0.69±.46; Best double couple: NP1:φs252.00000°,δ57.00000°,λ77.00000°. NP2:φs95.00000°,δ35.00000°,λ109.00000°. Principal axes: T 2.7690,Plg74.0000°
,Azm128.0000°; N -0.2380,Plg10.0000°,Azm259.0000°; P -2.5320,Plg11.0000°
,Azm351.0000° M0 2.65100×10^16
MOS Error ellipse: s-maj=11.0km s-min=6.9km az=119.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=55.0. Felt [III] on Pulau Kawula.

(273) Southwest of Sumatera

ISC	**X**	**18 09 00 08.6–.46**	**6.47S–.06**	**98.00E–.06**	**35**	**4.5b,3.6s**	**143**	**4-154**
IDC	X	18 09 00 02.8–.56	6.50S	97.89E	0	4.7L,4.4		**¶601838166**
BJI	X	18 09 00 03.4	6.50S	98.00E	10	5.0b,4.7b		
NEIC	X	18 09 00 04.4–.26	6.51S	97.96E	10	4.5b,4.7b		
ISCJB	X	18 09 00 06.7–.29	6.39S–.03	98.05E–.03	33	4.5b,3.6s		
KLM	X	18 09 00 07.0	6.54S	97.97E	23	5.0b,3.6s		
DJA	X	18 09 00 07.3–.60	6S–5.0	98E–5.0	10	5.8b,5.7		

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

(277) Jawa

ISC	**X**	**18 19 47 38.7–1.6**	**8.10S–.06**	**107.09E–.04**	**9–10**	**4.1b**	**45**	**1-151**
IDC	X	18 19 47 37.1–.76	7.99S	106.96E	0	4.4L,4.0		**¶601839071**
DJA	X	18 19 47 44.6–.40	8S–4.0	107E–2.0	10	5.8b,5.3		

ISC Event type ke.

(177) Kermadec Islands region

ISC	**X**	**19 15 34 10.8–.37**	**30.79S–.03**	**176.65W–.04**	**46–2**	**5.6b,4.8s**	**813**	**2-173**
ISCJB	X	19 15 34 08.2–.12	30.82S–.02	176.75W–.03	31	5.5b,4.8s		**¶601874180**
NEIC	X	19 15 34 09.8–.27	30.81S	176.80W	35	5.5b,4.8s		
MOS	X	19 15 34 09.3–1.3	30.52S	176.68W	33	5.7b,4.8s		
BJI	X	19 15 34 11.3	30.70S	177.60W	35	5.7b,5.5b		
GCMT	X	19 15 34 12.8–.10	30.52S–.01	176.51W–.01	46–0	5.3W,5.5b		
IDC	X	19 15 34 15.9–.53	30.46S	176.89W	78–4	5.3,5.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=1.8km az=28.9.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.2km az=118.0.
MOS Error ellipse: s-maj=11.4km s-min=8.8km az=114.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c179; s116,c182;Duration: 1§1
Moment tensor: Scale 10^17Nm; Mrr1.05±.02 Mθθ-0.54±.02; Mφφ-0.51±.02; Mrθ0.35±.01; Mθφ-0.56±.01; Mφr0.38±.01; Best double couple: NP1:φs44.00000°,δ58.00000°,λ88.00000°. NP2:φs227.00000°,δ32.00000°,λ93.00000°. Principal axes: T 1.1700,Plg77.0000°
,Azm309.0000°; N 0.0320,Plg1.0000°,Azm45.0000°; P -1.2020,Plg13.0000°,Azm135.0000°
M0 1.18600×10^17
IDC Error ellipse: s-maj=11.9km s-min=10.8km az=21.0.

(171) South of Fiji Islands

ISC	**X**	**19 17 22 04.9–.27**	**21.08S–.05**	**176.65E–.05**	**35**	**5.1b,4.3s**	**452**	**10-171**
BJI	X	19 17 21 59.8	21.10S	176.40E	10	5.5b,5.0b		**¶601839093**
ISCJB	X	19 17 22 03.2–.16	20.94S–.02	176.63E–.03	33	5.0b,4.4s		
GCMT	X	19 17 22 04.6–.10	21.03S–.01	176.80E–.01	17–0	5.2W,4.4s		
MOS	X	19 17 22 06.0–1.1	21.05S	176.55E	56	5.2b,4.4s		
NEIC	X	19 17 22 08.6–.89	21.04S	176.65E	74–8	5.1b,4.4s		
WEL	X	19 17 22 08.0	21.04S	176.65E	74	5.1b,4.4s		
IDC	X	19 17 22 11.6–2.7	21.05S	176.54E	96–23	4.7,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=6.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c143; s118,c198;Duration: 1§0
Moment tensor: Scale 10^17Nm; Mrr-0.73±.02 Mθθ-0.14±.01; Mφφ0.87±.01; Mrθ0.04±.04; Mθφ0.39±.01; Mφr-0.33±.03; Best double couple: NP1:φs5.00000°,δ56.00000°,λ-107.00000°. NP2:φs214.00000°,δ37.00000°,λ-67.00000°. Principal axes: T 1.0580,Plg10.0000°
,Azm108.0000°; N -0.2370,Plg14.0000°,Azm15.0000°; P -0.8200,Plg73.0000°
,Azm231.0000° M0 0.93900×10^17
MOS Error ellipse: s-maj=10.3km s-min=9.8km az=176.1.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.5km az=136.0.
WEL manual. confirmed.
IDC Error ellipse: s-maj=13.5km s-min=13.0km az=102.0.

(186) Vanuatu Islands

ISC	**X**	**20 23 00 32.9–.36**	**13.57S–.03**	**166.61E–.03**	**44–2**	**6.1s,6.0b**	**1415**	**8-169**
ISCJB	X	20 23 00 29.8–1.0	13.54S–.02	166.54E–.02	26–7	6.1s,5.9b		**¶601874182**
BJI	X	20 23 00 30.0	13.56S	166.64E	35	6.3b,6.1s		
MOS	X	20 23 00 30.4–.95	13.53S	166.52E	33	6.1b,6.0s		
NEIC	X	20 23 00 32.5–.11	13.55S	166.56E	36	6.2,6.2W		
NEIC	X	20 23 00 32.0–.00	13.37S	166.49E	40	6.2,6.2W		
IDC	X	20 23 00 33.2–1.5	13.60S	166.64E	50–12	6.0,6.0s		
GCMT	X	20 23 00 35.5–.10	13.52S	166.51E	47–0	6.2W,6.0s		
NEIC	X	20 23 00 55.9–.00	13.33S	166.30E	45	6.2W,6.0s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=14.5.
MOS Error ellipse: s-maj=6.9km s-min=5.8km az=113.6.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=146.0. Felt at Sola. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.08 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^18Nm; Mrr1.68 Mθθ-0.13 Mφφ-1.55 Mrθ-0.45 Mφθ-0.57 Mφr1.32 Best double couple: NP1:φs218.00000°,δ32.00000°,λ125.00000°. NP2:φs358.00000°,δ65.00000°,λ71.00000°. Principal axes: T 2.3100,Plg65.0000°
,Azm234.0000°; N -0.2100,Plg18.0000°,Azm7.0000°; P -2.1000,Plg17.0000°,Azm102.0000°
M0 2.20000×10^18 Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: φs231.00000°,δ48.00000°,λ153.00000°. NP2:φs340.00000°,δ70.00000°,λ45.00000°. Principal axes: T Plg45.0000°,Azm205.0000°; N Plg0.0000°,Azm0.0000°; P Plg13.0000°
,Azm101.0000°
NEIC Event type se. Moment Tensor Solution. s51 Moment tensor: Scale 10^18Nm; Mrr1.82 Mθθ-0.13 Mφφ-1.69 Mrθ-0.55 Mθφ-1.02 Mφr1.84 Best double couple: NP1:φs360.00000°
,δ68.00000°,λ65.00000°. NP2:φs230.00000°,δ32.00000°,λ136.00000°. Principal axes:
T 2.8900,Plg59.0000°,Azm234.0000°; N -0.1900,Plg22.0000°,Azm9.0000°
; P -2.7000,Plg19.0000°,Azm107.0000° M0 2.80000×10^18
IDC Error ellipse: s-maj=9.0km s-min=8.8km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c334; s135,c505;
Duration: 3§2 Moment tensor: Scale 10^18Nm; Mrr1.71±.01 Mθθ0.18±.01; Mφφ-1.89±.01; Mrθ-0.74±.01; Mθφ-1.04±.01; Mφr1.62±.02; Best double couple: NP1:φs354.00000°,δ67.00000°
,λ60.00000°. NP2:φs230.00000°,δ37.00000°,λ140.00000°. Principal axes:
T 2.7860,Plg57.0000°,Azm224.0000°; N -0.0860,Plg27.0000°,Azm6.0000°
; P -2.6990,Plg17.0000°,Azm106.0000° M0 2.74200×10^18
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^18Nm; Mrr1.77 Mθθ0.20 Mφφ-1.97 Mrθ-0.74 Mθφ-1.19 Mφr0.72 Best double couple: NP1:φs231.00000°
,δ48.00000°,λ133.00000°. NP2:φs357.00000°,δ57.00000°,λ53.00000°. Principal axes:
T 2.3700,Plg59.0000°,Azm211.0000°; N 0.1700,Plg30.0000°,Azm19.0000°
; P -2.5300,Plg5.0000°,Azm112.0000° M0 2.50000×10^18

(426) Chagos Archipelago region

ISC	**X**	**20 23 30 06.6–.39**	**5.28S–.07**	**68.64E–.07**	**13**	**4.7b**	**263**	**3-155**
BJI	X	20 23 30 01.7	5.42S	68.21E	5	5.5s,5.2		**¶606635640**
ISCJB	X	20 23 30 04.3–.30	5.36S–.05	68.54E–.04	13	5.6s,4.6b		
IDC	X	20 23 30 04.0–.52	5.30S	68.58E	0	4.4,4.3		
NEIC	X	20 23 30 06.3–.22	5.30S	68.62E	10	4.8b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=17.9.
IDC Error ellipse: s-maj=18.6km s-min=12.9km az=35.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=214.0.

(637) Iceland region

ISC	**X**	**21 00 10 35.5–.51**	**66.27N–.02**	**18.69W–.02**	**9–3**	**5.2s,4.9b**	**926**	**0-156**
LVSN	X	21 00 10 23.7–5.4	65.68N	20.91W	23–19	5.0s,4.9b		**¶603370150**
IDC	X	21 00 10 33.3–.37	66.19N	18.69W	0	5.1,5.1s		
ISCJB	X	21 00 10 33.6–.42	66.30N–.02	18.65W–.02	7–2	5.1s,4.8b		
MOS	X	21 00 10 33.8–1.0	66.29N	18.71W	10	4.9b,4.8b		
REY	X	21 00 10 34.5	66.31N	18.78W	9	4.9b,4.8b		
BJI	X	21 00 10 34.4	66.80N	18.46W	6	5.5b,5.2s		
GCMT	X	21 00 10 35.9–.20	66.51N–.03	18.79W–.03	12	5.3W,5.2s		
NEIC	X	21 00 10 35.9–.11	66.37N	18.57W	10	5.0b,5.2s		

ISC Event type se.
LVSN Error ellipse: s-maj=82.7km s-min=113.7km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=12.3.
MOS Error ellipse: s-maj=7.4km s-min=4.0km az=107.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c35; s111,c195;Duration: 1§2
Moment tensor: Scale 10^17Nm; Mrr-1.12±.03 Mθθ0.06±.03; Mφφ1.06±.02; Mrθ0.74±.14; Mθφ-0.29±.03; Mφr-0.14±.11; Best double couple: NP1:φs320.00000°,δ59.00000°
,λ-118.00000°. NP2:φs186.00000°,δ41.00000°,λ-52.00000°. Principal axes:
T 1.1900,Plg9.0000°,Azm70.0000°; N 0.2890,Plg24.0000°,Azm335.0000°
; P -1.4760,Plg64.0000°,Azm180.0000° M0 1.33300×10^17
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=195.0.

(637) Iceland region

ISC	**X**	**21 01 25 22.3–.40**	**66.28N–.02**	**18.71W–.02**	**7–2**	**5.3b,5.1s**	**1443**	**0-169**
IDC	X	21 01 25 20.7–.34	66.26N	18.79W	0	5.0,5.0		**¶603370163**
MOS	X	21 01 25 20.6–.98	66.29N	18.78W	10	5.3b,5.0s		
ISCJB	X	21 01 25 21.7–.06	66.26N–.01	18.76W–.02	16	5.2b,5.2s		
BJI	X	21 01 25 21.5	66.74N	18.39W	6	5.5b,5.5s		
REY	X	21 01 25 21.2	66.30N	18.71W	11	5.5b,5.5s		
NEIC	X	21 01 25 22.6–.06	66.31N	18.67W	10	5.5W,5.4b		
NEIC	X	21 01 25 23.0–.00	66.23N	19.00W	11	5.5W,5.4b		
GCMT	X	21 01 25 23.0–.10	66.42N–.01	18.74W–.01	12	5.6W,5.4b		
NAO	X	21 01 25 26.2–.11	66.53N	18.43W	15–147	5.5L,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=9.0km s-min=8.1km az=7.0.
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=107.4.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.1km az=13.1.
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=194.0. Felt at Akureyri and Siglufjordhur.
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^17Nm; Mrr-1.88 Mθθ0.03 Mφφ1.85 Mrθ0.78 Mθφ-0.59 Mφr-0.07 Best double couple: NP1:φs325.00000°
,δ52.00000°,λ-115.00000°. NP2:φs182.00000°,δ44.00000°,λ-61.00000°. Principal axes:
T 2.0500,Plg4.0000°,Azm72.0000°; N 0.1100,Plg19.0000°,Azm340.0000°
; P -2.1600,Plg69.0000°,Azm174.0000° M0 2.10000×10^17
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c128; s126,c357;Duration: 1§5
Moment tensor: Scale 10^17Nm; Mrr-2.44±.03 Mθθ-0.06±.03; Mφφ2.50±.02; Mrθ1.22±.11; Mθφ-0.93±.02; Mφr-0.52±.09; Best double couple: NP1:φs322.00000°,δ58.00000°
,λ-114.00000°. NP2:φs182.00000°,δ39.00000°,λ-57.00000°. Principal axes:
T 2.9520,Plg10.0000°,Azm69.0000°; N 0.0020,Plg20.0000°,Azm335.0000°
; P -2.9580,Plg68.0000°,Azm183.0000° M0 2.95500×10^17
NAO Error ellipse: s-maj=0.5km s-min=1.4km az=-1.0.

(39) Central California

ISC	**X**	**21 06 55 10.8–.67**	**36.30N–.02**	**120.89W–.02**	**11–3**	**5.2b,5.1s**	**1196**	**0-151**
BJI	X	21 06 55 07.6	36.30N	120.90W	9	5.6b,5.4s		**¶601839944**
NEIC	X	21 06 55 09.0–.00	36.21N	120.98W	11	5.6b,5.4s		
ISCJB	X	21 06 55 09.0–.20	36.26N–.01	120.91W–.01	10–1	5.1b,5.0s		
NEIC	X	21 06 55 09.5–.00	36.31N	120.86W	9	5.4W,5.3W		
IDC	X	21 06 55 09.2–.40	36.31N	120.79W	0	4.9b,4.9		
MOS	X	21 06 55 10.3–1.1	36.33N	120.88W	16	5.4b,5.2s		
GCMT	X	21 06 55 13.5–.10	36.27N–.01	120.89W–.01	12	5.4W,5.2s		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s74 Moment tensor: Scale 10^17Nm; Mrr0.15 Mθθ-1.18 Mφφ1.03 Mrθ0.42 Mθφ0.78 Mφr0.48 Best double couple: NP1:φs65.00000°,δ81.00000°
,λ24.00000°. NP2:φs330.00000°,δ66.00000°,λ170.00000°. Principal axes:
T 1.5300,Plg23.0000°,Azm289.0000°; N -0.0600,Plg64.0000°,Azm84.0000°
; P -1.4700,Plg9.0000°,Azm195.0000° M0 1.50000×10^17
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Big Sur, Bradley, Coalinga, Friant, Greenfield, Huron, Monterey, Paso Robles, San Jose, San Miguel, Soledad, Stratford, Templeton and Wasco. Felt widely from north of the San Francisco Bay area to Bishop and Ridgecrest and to parts of the Los Angeles area. Also felt at Gardnerville and Reno, Nevada. After NCEDC. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c154; s134,c266;Duration: 1§2
Moment tensor: Scale 10^17Nm; Mrr0.13±.02 Mθθ-1.18±.02; Mφφ1.05±.02; Mrθ-0.31±.04; Mθφ0.89±.02; Mφr0.29±.04; Best double couple: NP1:φs154.00000°,δ87.00000°,λ-165.00000°. NP2:φs64.00000°,δ75.00000°,λ-3.00000°. Principal axes: T 1.3860,Plg8.0000°
,Azm288.0000°; N 0.1950,Plg75.0000°,Azm166.0000°; P -1.5790,Plg13.0000°,Azm20.0000°
M0 1.48300×10^17

(76) Off coast of central America

ISC	**X**	**21 20 28 18.1–.39**	**12.69N–.04**	**88.21W–.03**	**51–3**	**5.4b,4.8s**	**1299**	**1-166**
BJI	X	21 20 28 15.0	12.60N	88.30W	36	5.5s,5.3b		**¶601841785**
UCR	X	21 20 28 17.5–1.4	12.56N	88.34W	39–117	5.5b,5.1L		
NEIC	X	21 20 28 17.0–.00	12.56N	88.34W	36	5.5b,5.4W		
ISCJB	X	21 20 28 18.1–.21	12.63N–.02	88.24W–.01	67–1	5.2b,5.4W		
IDC	X	21 20 28 18.3–.56	12.86N	87.89W	52–4	5.0,4.9		
MOS	X	21 20 28 19.9–1.1	12.81N	87.99W	79	5.4b,4.6s		
GCMT	X	21 20 28 20.0–.10	12.49N–.01	88.54W–.01	44–0	5.5W,4.6s		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Salvador. Also felt at Ayutuxtepeque, San Cristobal, San Luis and San Luis La Herradura. Felt at Ciudad Sandino and Santa Ana, Nicaragua. After SNET. Moment Tensor Solution. s49 Moment tensor: Scale 10^17Nm; Mrr1.28 Mθθ-1.09 Mφφ-0.19 Mrθ0.06 Mθφ0.71 Mφr-0.05 Best double couple: NP1:φs120.00000°,δ47.00000°,λ91.00000°. NP2:φs298.00000°,δ43.00000°,λ89.00000°. Principal axes: T 1.2800,Plg88.0000°
,Azm62.0000°; N 0.2000,Plg1.0000°,Azm299.0000°; P -1.4800,Plg2.0000°,Azm209.0000°
M0 1.40000×10^17
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c227; s123,c211;Duration: 1§3
Moment tensor: Scale 10^17Nm; Mrr1.90±.03 Mθθ-1.55±.02; Mφφ-0.34±.02; Mrθ0.37±.02; Mθφ0.83±.02; Mφr-0.29±.02; Best double couple: NP1:φs120.00000°,δ52.00000°,λ94.00000°. NP2:φs294.00000°,δ38.00000°,λ85.00000°. Principal axes: T 1.9590,Plg83.0000°
,Azm50.0000°; N 0.0720,Plg3.0000°,Azm298.0000°; P -2.0270,Plg7.0000°,Azm207.0000°
M0 1.99300×10^17

(267) Halmahera

ISC	**X**	**23 04 35 57.7–1.3**	**2.4N–.10**	**128.7E–.10**	**35**	**3.8b**	**11**	**2-60**
ISCJB	X	23 04 35 55.2–1.2	2.5N–.10	128.78E–.09	33	3.9b		**¶601999335**
DJA	X	23 04 35 55.2–6.2	2N–10	129E–11	16–44	6.2b,5.8		
IDC	X	23 04 35 58.0–5.0	2.50N	128.71E	48–60	3.9,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=7.9km az=34.3.
IDC Error ellipse: s-maj=72.6km s-min=26.6km az=75.0.

(78) Costa Rica

ISC	**X**	**24 00 45 33.8–.39**	**10.08N–.03**	**85.37W–.02**	**22–2**	**6.4s,5.9b**	**2242**	**0-171**
ISCJB	X	24 00 45 31.4–.11	10.08N–.02	85.27W–.01	19	6.3s,5.8b		**¶601844006**
IDC	X	24 00 45 31.5–.38	10.41N	85.15W	0	6.3,6.3s		
UCR	X	24 00 45 31.5–2.1	9.78N	85.53W	0–13	6.0b,5.1L		
NEIC	X	24 00 45 33.0–.10	10.09N	85.30W	17	6.6,6.5W		
MOS	X	24 00 45 32.0–.91	10.17N	85.19W	22	6.3s,5.8b		
BJI	X	24 00 45 33.6	10.06N	85.41W	24	6.7,6.7s		
NEIC	X	24 00 45 36.0–.00	10.02N	85.35W	19	6.7,6.7s		
GCMT	X	24 00 45 39.0–.10	9.71N	85.60W	22–0	6.4W,6.7s		
NEIC	X	24 00 45 48.7–.00	10.18N	84.98W	10	6.4W,6.7s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=35.5.
IDC Error ellipse: s-maj=15.7km s-min=9.1km az=52.0.

UCR Error ellipse: s-maj=7.1km s-min=5.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=219.0. Felt [V] at Grecia and Nicoya; [IV] at Alajuela, Santa Ana, Santa Cruz, Sardinal and Tres Rios; [III] at Escazu and Nandayure. Felt in much of central and western Costa Rica and as far as Managua, Nicaragua and Potrerillos Arriba, Panama. Depth from synthetics of broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s115 Moment tensor: Scale 10^{18} Nm; M_{rr}2.49 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$-0.66 $M_{r\theta}$2.53 $M_{\theta\phi}$2.60 $M_{\phi r}$-1.10 Best double couple: NP1: ϕ_s114.00000°,δ67.00000°,λ73.00000°. NP2:ϕ_s331.00000°,δ28.00000°,λ124.00000°. Principal axes: T 3.6600,Plg64.0000°,Azm356.0000°; N 1.2300,Plg15.0000°,Azm121.0000° ; P -4.8900,Plg20.0000°,Azm216.0000° $M_0$4.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s125.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm35.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=101.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}3.52 $M_{\theta\theta}$-2.60 $M_{\phi\phi}$-0.92 $M_{r\theta}$5.45 $M_{\theta\phi}$1.72 $M_{\phi r}$-1.70 Best double couple: NP1:ϕ_s110.00000° ,δ74.00000°,λ83.00000°. NP2:ϕ_s314.00000°,δ17.00000°,λ113.00000°. Principal axes: T 6.7600,Plg60.0000°,Azm9.0000°; N -0.0300,Plg6.0000°,Azm111.0000° ; P -6.7400,Plg28.0000°,Azm205.0000° $M_0$6.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c337; s147,c587; Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}3.77±.02 $M_{\theta\theta}$-3.06±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$2.93±.04; $M_{\theta\phi}$1.76±.01; $M_{\phi r}$-2.06±.04; Best double couple: NP1:ϕ_s123.00000°,δ66.00000° ,λ94.00000°. NP2:ϕ_s293.00000°,δ24.00000°,λ81.00000°. Principal axes: T 5.1840,Plg68.0000°,Azm41.0000°; N 0.2010,Plg4.0000°,Azm301.0000° ; P -5.3870,Plg21.0000°,Azm210.0000° $M_0$5.28600×10^{18}
NEIC Event type se. Moment Tensor Solution. s102 Moment tensor: Scale 10^{18}Nm; M_{rr}2.77 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-1.02 $M_{r\theta}$4.59 $M_{\theta\phi}$1.09 $M_{\phi r}$-2.55 Best double couple: NP1:ϕ_s310.00000° ,δ14.00000°,λ100.00000°. NP2:ϕ_s120.00000°,δ77.00000°,λ88.00000°. Principal axes: T 6.0100,Plg58.0000°,Azm27.0000°; N -0.2600,Plg2.0000°,Azm120.0000° ; P -5.7600,Plg32.0000°,Azm212.0000° $M_0$5.90000×10^{18}

(731) North of Honduras

ISC	**X**	**24 17 55 58.6–.33**	**17.84N–.04**	**81.71W–.05**	**22–2**	**5.3b,4.5s**	**1228**	**7-165**
IDC	X	24 17 55 54.8–.39	17.79N	81.68W	0	4.8,4.8		**¶601846009**
MOS	X	24 17 55 56.5–.98	17.81N	81.76W	17	5.5b,4.6s		
ISCJB	X	24 17 55 58.4–.11	17.93N–.01	81.70W–.02	28	5.2b,4.5s		
GCMT	X	24 17 55 58.0–.10	17.98N–.01	81.73W–.01	12	5.2W,4.5s		
NEIC	X	24 17 55 60.0–.13	17.79N	81.69W	28	5.4b,4.5s		
BJI	X	24 17 56 00.9	17.80N	81.70W	33	5.4b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=9.5km az=56.0.
MOS Error ellipse: s-maj=5.6km s-min=4.2km az=99.4.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=144.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c112; s130,c224;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82±.01 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$0.78±.01; $M_{r\theta}$0.02±.03; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$0.01±.03; Best double couple: NP1:ϕ_s183.00000°,δ45.00000°,λ-88.00000°. NP2:ϕ_s360.00000°,δ45.00000°,λ-92.00000°. Principal axes: T 0.7810,Plg0.0000° ,Azm271.0000°; N 0.0450,Plg2.0000°,Azm1.0000°; P -0.8260,Plg88.0000°,Azm166.0000° $M_0$0.80300×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=223.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**25 10 32 27.3–.24**	**38.35N–.03**	**141.77E–.03**	**49–1**	**5.5b,5.3s**	**1691**	**0-160**
NIED	X	25 10 32 00	38.30N	141.90E	50	5.6W,5.3s		**¶606050969**
BJI	X	25 10 32 23.8	38.23N	141.94E	46	5.6b,5.5b		
ISCJB	X	25 10 32 26.5–.23	38.29N–.01	141.75E–.02	55–2	5.5b,5.1s		
JMA	X	25 10 32 26.5–.10	38.29N	141.86E	48–1	5.6,5.1s		
MOS	X	25 10 32 26.6–.95	38.35N	141.80E	61	5.8b,5.2s		
NEIC	X	25 10 32 27.0–.00	38.41N	141.86E	50	5.8b,5.2s		
IDC	X	25 10 32 27.6–.29	38.29N	141.80E	52–2	5.2,5.0		
NEIC	X	25 10 32 28.2–.31	38.31N	141.70E	56–2	5.7W,5.6W		
GCMT	X	25 10 32 29.2–.10	38.35N–.01	141.91E–.01	51–0	5.6W,5.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ22.00000°,λ74.00000°. NP2:ϕ_s31.00000°,δ69.00000°,λ96.00000°. $M_0$2.85000×10^{17}
ISCJB Event type fe.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s36.00000° ,δ70.00000°,λ99.00000°. NP2:ϕ_s192.00000°,δ22.00000°,λ68.00000°. Principal axes: T Plg64.0000°,Azm320.0000°; N Plg8.0000°,Azm213.0000°; P Plg24.0000°,Azm119.0000°
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-1.83 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.97 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s24.00000° ,δ66.00000°,λ85.00000°. NP2:ϕ_s216.00000°,δ24.00000°,λ101.00000°. Principal axes: T 3.4400,Plg68.0000°,Azm284.0000°; N -0.2000,Plg4.0000°,Azm26.0000° ; P -3.2400,Plg20.0000°,Azm117.0000° $M_0$3.30000×10^{17}
NEIC Event type fe. Felt [IV] at Sendai, [III] at Tokyo and [II] at Tsuchiura. Felt in much of Honshu. Recorded [5L JMA] in Miyagi. Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}2.36 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-3.00 $M_{r\theta}$1.55 $M_{\theta\phi}$-0.67 $M_{\phi r}$2.06 Best double couple: NP1:ϕ_s167.00000° ,δ29.00000°,λ50.00000°. NP2:ϕ_s30.00000°,δ68.00000°,λ109.00000°. Principal axes: T 3.6300,Plg62.0000°,Azm330.0000°; N 0.3600,Plg18.0000°,Azm202.0000° ; P -3.9900,Plg21.0000°,Azm105.0000° $M_0$3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c233; s131,c322; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.39±.04 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$-2.28±.03; $M_{r\theta}$1.18±.03; $M_{\theta\phi}$-0.68±.02; $M_{\phi r}$1.82±.03; Best double couple: NP1:ϕ_s27.00000°,δ66.00000° ,λ99.00000°. NP2:ϕ_s185.00000°,δ26.00000°,λ70.00000°. Principal axes: T 3.2660,Plg68.0000°,Azm315.0000°; N -0.0160,Plg9.0000°,Azm203.0000° ; P -3.2530,Plg21.0000°,Azm110.0000° $M_0$3.25900×10^{17}

(111) Northern Peru

ISC	**X**	**25 20 49 35.0–.23**	**5.97S–.03**	**76.21W–.04**	**22–2**	**5.4b,4.7s**	**1245**	**2-170**
MOS	X	25 20 49 33.4–.95	5.87S	76.15W	19	5.5b,4.7s		**¶601848635**
NEIC	X	25 20 49 35.8–.13	5.92S	76.07W	24	5.5L,5.4b		
IDC	X	25 20 49 35.2–.29	5.87S	76.08W	25–1	4.8,4.8		
ISCJB	X	25 20 49 36.1–.39	5.80S–.02	76.15W–.02	38–3	5.3b,4.7s		
BJI	X	25 20 49 37.0	5.90S	76.10W	20	5.5b,5.4s		
GCMT	X	25 20 49 37.8–.20	5.84S–.01	76.16W–.01	29–0	5.2W,5.4s		
IGQ	X	25 20 49 39.5–.49	6S–6.0	77W–11	120	6.0,6.0b		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Yurimaguas, [III] at Moyobamba and [II] at Lamas.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c143; s111,c184;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.02 $M_{\theta\theta}$-0.76±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$-0.40±.02; $M_{\theta\phi}$0.05±.01; $M_{\phi r}$-0.15±.03; Best double couple: NP1:ϕ_s261.00000°,δ60.00000°,λ77.00000°. NP2:ϕ_s106.00000°,δ32.00000°,λ112.00000°. Principal axes: T 0.8290,Plg72.0000° ,Azm140.0000°; N 0.0280,Plg11.0000°,Azm268.0000°; P -0.8560,Plg14.0000°,Azm0.0000° $M_0$0.84200×10^{17}

(248) Philippine Islands region

ISC	**X**	**25 22 58 18.8–.64**	**11.26N–.03**	**126.23E–.05**	**44–5**	**4.8b,4.3s**	**296**	**1-165**
MAN	X	25 22 58 15.2	11.33N	126.30E	28	5.7b,5.0s		**¶601848643**
IDC	X	25 22 58 15.7–3.8	11.23N	126.14E	21–24	4.7,4.7		
MOS	X	25 22 58 16.7–1.1	11.18N	126.12E	43	5.1b,4.7		
ISCJB	X	25 22 58 16.9–.53	11.27N–.02	126.21E–.03	42–4	4.8b,4.3s		
BJI	X	25 22 58 16.8	11.17N	126.17E	47	5.0b,4.7b		
GCMT	X	25 22 58 17.6–.40	11.19N–.03	126.27E–.03	26–0	5.0W,4.7b		
NEIC	X	25 22 58 18.6–.63	11.23N	126.17E	42–6	4.8b,4.7b		
DJA	X	25 22 58 27.0–1.1	11N–6.0	126E–4.0	152–9	5.3b,4.8b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s62,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.82±.26 $M_{\theta\theta}$-0.70±.14; $M_{\phi\phi}$-3.12±.17; $M_{r\theta}$0.79±.29; $M_{\theta\phi}$0.85±.10; $M_{\phi r}$1.09±.27; Best double couple: NP1:ϕ_s356.00000°,δ53.00000°,λ106.00000°. NP2:ϕ_s151.00000°,δ40.00000°,λ70.00000°. Principal axes: T 4.1600,Plg76.0000° ,Azm318.0000°; N -0.6780,Plg13.0000°,Azm166.0000°; P -3.4810,Plg7.0000°,Azm75.0000° $M_0$3.82000×10^{16}
NEIC Event type se.

(390) Southern Italy

ISC	**X**	**25 23 05 26.1–.57**	**39.88N–.02**	**16.02E–.02**	**6–3**	**5.2b,5.0s**	**1532**	**0-165**
TIR	X	25 23 05 14.9	39.73N	15.52E	5	5.0,5.0s		**¶606635595**
BJI	X	25 23 05 20.8	39.71N	15.45E	5	5.5b,5.3b		
GII	X	25 23 05 22.7–.00	39.86N	16.04E	4	5.5b,5.3b		
ISCJB	X	25 23 05 25.0–.21	39.916N–.01	15.99E–.01	12–1	5.2b,5.0s		
NEIC	X	25 23 05 24.0–.00	39.88N	16.01E	6	5.3W,5.2W		
MOS	X	25 23 05 24.9–1.2	39.95N	15.98E	11	5.4b,5.0s		
LDG	X	25 23 05 24.5–.10	39.94N	16.03E	5	4.7L,5.0s		
ROM	X	25 23 05 24.7–.11	39.875N–.00	16.016E–.01	10–0	5.0L,5.0s		
IDC	X	25 23 05 25.5–.40	39.98N	15.92E	0	5.0,5.0		
PDG	X	25 23 05 25.2–.80	39.90N	16.05E	11–0	5.3,5.2L		
CRAAG	X	25 23 05 26.0	39.88N	16.03E		5.3W,5.2L		
BGS	X	25 23 05 26.4–2.1	40.20N	16.51E	6	5.3W,5.0b		
NEIC	X	25 23 05 26.0–.00	39.84N	16.08E	11	5.3W,5.0b		
BEO	X	25 23 05 27.1–.70	40.04N	16.03E	0	5.0L,5.0b		
GCMT	X	25 23 05 28.0–.10	39.88N–.01	15.98E–.01	12	5.3W,5.0b		

ISC Event type de.
GII Event type ke.
ISCJB Event type de.
NEIC Event type de. One person died of a heart attack at Cosenza. Felt [V] at Castelluccio Inferiore, Mormanno, San Basile, Santa Maria del Cedro and Verbicaro; [IV] at Castrolibero, Castrovillari, Lauria, Sapri, Scalea and Tortora; [III] at Cosenza, Naples and Rende. Felt throughout Basilicata, Calabria and Campania and in much of Apulia, Molise and northeastern Sicily. Felt as far as Palermo and Rome. After ROM. Moment Tensor Solution. s27 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.26 $M_{\theta\theta}$1.14 $M_{\phi\phi}$7.12 $M_{r\theta}$4.43 $M_{\theta\phi}$-1.89 $M_{\phi r}$-2.38 Best double couple: NP1:ϕ_s324.00000°,δ60.00000°,λ-109.00000°. NP2:ϕ_s179.00000° ,δ35.00000°,λ-60.00000°. Principal axes: T 8.5000,Plg13.0000°,Azm68.0000° ; N 1.7000,Plg16.0000°,Azm334.0000°; P -10.1000,Plg6.0000°,Azm19.0000° $M_0$9.40000×10^{16}
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke.
NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.16 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s155.00000° ,δ50.00000°,λ-92.00000°. NP2:ϕ_s339.00000°,δ40.00000°,λ-87.00000°. Principal axes: T 1.0900,Plg5.0000°,Azm247.0000°; N 0.0100,Plg1.0000°,Azm156.0000° ; P -1.1000,Plg84.0000°,Azm47.0000° $M_0$1.10000×10^{17}
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c131; s129,c249;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$-0.40±.01; $M_{\phi r}$-0.34±.03; Best double couple: NP1:ϕ_s328.00000°,δ57.00000°,λ-97.00000°. NP2:ϕ_s160.00000°,δ34.00000°,λ-80.00000°. Principal axes: T 1.0970,Plg12.0000° ,Azm62.0000°; N 0.0120,Plg6.0000°,Azm331.0000°; P -1.1130,Plg77.0000°,Azm216.0000° $M_0$1.10500×10^{17}

(248) Philippine Islands region

ISC	**X**	**26 21 11 55.8–1.2**	**10.68N–.03**	**126.82E–.05**	**27–8**	**4.9b,3.8s**	**372**	**2-168**
BJI	X	26 21 11 49.6	10.03N	127.09E	34	5.1b,4.8b		**¶601852896**
IDC	X	26 21 11 51.3–.38	10.67N	126.80E	0	4.7,4.6		
MOS	X	26 21 11 55.8–1.1	10.66N	126.82E	44	5.1b,4.6		
GCMT	X	26 21 11 55.6–.30	10.60N–.03	126.94E–.02	12–1	4.8W,4.6		
ISCJB	X	26 21 11 55.2–.60	10.70N–.02	126.83E–.03	34–5	4.8b,3.8s		
MAN	X	26 21 11 55.1	10.70N	126.70E	19	5.6b,4.9s		
NEIC	X	26 21 11 57.6–.68	10.67N	126.81E	42–6	4.9b,4.9s		
DJA	X	26 21 11 58.9–.80	11N–5.0	127E–4.0	46–6	5.1b,4.8b		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s67,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42±.14 $M_{\theta\theta}$0.11±.07; $M_{\phi\phi}$1.31±.09; $M_{r\theta}$-1.05±.28; $M_{\theta\phi}$-0.53±.04; $M_{\phi r}$-0.76±.21; Best double couple: NP1:ϕ_s10.00000°,δ61.00000°,λ-56.00000°. NP2:ϕ_s136.00000°,δ44.00000°,λ-135.00000°. Principal axes: T 1.5660,Plg9.0000° ,Azm76.0000°; N 0.6250,Plg29.0000°,Azm172.0000°; P -2.1940,Plg59.0000°,Azm331.0000° $M_0$1.88000×10^{16}
ISCJB Event type se.
NEIC Event type se.

(421) Carlsberg Ridge

ISC	**X**	**27 09 32 31.0–.46**	**9.83N–.05**	**57.11E–.04**	**15–2**	**5.1b,4.2s**	**629**	**8-153**
GCMT	X	27 09 32 27.2–.20	9.81N–.02	57.00E–.02	12	5.0W,4.2s		**¶601852904**
IDC	X	27 09 32 28.0–.35	9.76N	57.20E	0	4.8,4.7		
BJI	X	27 09 32 28.0	9.90N	57.10E	6	5.1b,5.1b		
MOS	X	27 09 32 28.7–1.1	9.91N	57.05E	10	5.3b,5.1b		
ISCJB	X	27 09 32 29.7–.16	9.87N–.03	57.01E–.02	18	5.0b,4.2s		
NEIC	X	27 09 32 30.2–.18	9.82N	57.09E	10	5.2b,4.2s		
DSN	X	27 09 32 31.9–1.3	10.10N	56.87E	10	5.5b,4.3s		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c45; s99,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.07 $M_{\theta\theta}$2.20±.07; $M_{\phi\phi}$0.78±.08; $M_{r\theta}$1.99±.24; $M_{\theta\phi}$-1.08±.06; $M_{\phi r}$-0.59±.28; Best double couple: NP1:ϕ_s292.00000°,δ63.00000°,λ-96.00000°. NP2:ϕ_s124.00000°,δ28.00000°,λ-79.00000°. Principal axes: T 3.4310,Plg18.0000° ,Azm26.0000°; N 0.2410,Plg5.0000°,Azm294.0000°; P -3.6750,Plg72.0000°,Azm189.0000° $M_0$3.55300×10^{16}
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=142.0.
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=109.4.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=24.9.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=209.0.
DSN Error ellipse: s-maj=24.6km s-min=9.1km az=116.0.

(248) Philippine Islands region

ISC	**X**	**27 15 46 27.8–.55**	**10.45N–.02**	**126.89E–.04**	**32–3**	**5.1b,4.8s**	**584**	**2-173**
MAN	X	27 15 46 24.2	10.58N	126.97E	77	5.8b,5.2s		**¶601852919**
IDC	X	27 15 46 25.4–3.3	10.42N	126.80E	15–20	5.0,5.0		
BJI	X	27 15 46 25.4	10.25N	126.93E	39	5.5b,5.1s		
MOS	X	27 15 46 26.4–1.2	10.45N	126.88E	33	5.4b,4.9s		
ISCJB	X	27 15 46 26.6–.12	10.44N–.02	126.83E–.02	33	5.0b,4.8s		
GCMT	X	27 15 46 27.4–.10	10.51N–.01	126.89E–.01	12	5.3W,4.8s		
NEIC	X	27 15 46 28.4–.13	10.42N	126.81E	35	5.2b,4.8s		
DJA	X	27 15 46 40.8–.60	10N–5.0	127E–4.0	63–6	5.9,5.6b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c111; s131,c232;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.01 $M_{\theta\theta}$0.22±.01; $M_{\phi\phi}$0.92±.01; $M_{r\theta}$0.03±.04; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$0.24±.04; Best double couple: NP1:ϕ_s165.00000°,δ51.00000°,λ-84.00000°. NP2:ϕ_s335.00000°,δ40.00000°,λ-97.00000°. Principal axes: T 1.0620,Plg6.0000° ,Azm250.0000°; N 0.1210,Plg5.0000°,Azm341.0000°; P -1.1810,Plg83.0000°,Azm110.0000° $M_0$1.12100×10^{17}
NEIC Event type se.

(192) New Britain region

ISC	**X**	**27 20 13 03.2–.33**	**6.18S–.04**	**151.73E–.05**	**38–2**	**5.3b,4.8s**	**531**	**2-157**
BJI	X	27 20 12 57.2	6.31S	151.96E	24	5.2b,5.1s		**¶601874220**
ISCJB	X	27 20 13 02.0–.13	6.14S–.02	151.48E–.02	37	5.2b,4.7s		
MOS	X	27 20 13 02.6–1.1	6.04S	151.45E	41	5.2b,4.5s		
NEIC	X	27 20 13 03.3–.72	6.14S	151.53E	39–6	5.4b,4.8s		
DJA	X	27 20 13 03.2–1.3	6S–5.0	152E–7.0	42–11	5.8b,5.3		
IDC	X	27 20 13 04.3–.51	6.08S	151.54E	44–4	5.0,4.9		
GCMT	X	27 20 13 04.3–.20	6.43S–.02	151.63E–.01	13–0	5.1W,4.9		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c97; s101,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.17±.17 $M_{\theta\theta}$1.01±.12; $M_{\phi\phi}$5.16±.14; $M_{r\theta}$-1.52±.32; $M_{\theta\phi}$-0.74±.10; $M_{\phi r}$0.76±.29; Best double couple: NP1:ϕ_s159.00000°,δ51.00000°,λ-103.00000°. NP2:ϕ_s360.00000°,δ41.00000°,λ-74.00000°. Principal axes: T 5.3800,Plg5.0000° ,Azm259.0000°; N 1.1290,Plg10.0000°,Azm168.0000°; P -6.5090,Plg78.0000°,Azm15.0000° $M_0$5.94500×10^{16}

(189) Southeast of Loyalty Islands

ISC	**X**	**27 20 14 59.6–.31**	**21.56S–.06**	**169.79E–.05**	**36**	**5.0b,4.8s**	**299**	**3-164**
IDC	X	27 20 14 54.0–.75	21.39S	169.93E	0	4.8,4.7		**¶601852929**
NEIC	X	27 20 14 57.5–2.1	21.49S	169.83E	23–15	5.0b,4.7		
ISCJB	X	27 20 14 57.8–.22	21.51S–.03	169.82E–.04	36	4.9b,4.7s		
MOS	X	27 20 14 59.9–1.2	21.22S	169.41E	33	5.2b,4.8s		
BJI	X	27 20 14 59.0	21.06S	170.00E	32	5.5b,5.2s		

GCMT X 27 20 15 01.5–.10 21.70S–.01 169.69E–.01 29–0 5.3W,5.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c149; s97,c158;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$-0.26±.02; $M_{\phi\phi}$-0.72±.02; $M_{r\theta}$0.19±.03; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.49±.03; Best double couple: NP1:ϕ_s153.00000°,δ59.00000°,λ96.00000°. NP2:ϕ_s321.00000°,δ32.00000°,λ80.00000°. Principal axes: T 1.1170,Plg76.0000° ,Azm81.0000°; N 0.0770,Plg5.0000°,Azm329.0000°; P -1.1940,Plg13.0000°,Azm238.0000° $M_0$1.15600×10^{17}

(269) Southern Molucca Sea

ISC	**X**	**27 21 10 21.2–.34**	**0.12S–.04**	**125.35E–.04**	**49**	**4.4b,3.6s**	**119**	**2-123**
IDC	X	27 21 10 14.2–.44	0.15S	125.08E	0	4.4,4.4	**¶601852936**	
NEIC	X	27 21 10 17.1–3.7	0.20S	125.14E	21–27	4.6b,4.4		
ISCJB	X	27 21 10 19.6–.23	0.07S–.03	125.31E–.03	49	4.5b,3.6s		
DJA	X	27 21 10 22.4–.20	0S–3.0	125E–2.0	54–4	5.7b,5.2		
KLM	X	27 21 10 34.0	0.15S	125.47E	199	4.6b,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=10.6km az=70.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.6km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=44.0.

(248) Philippine Islands region

ISC	**X**	**28 01 43 17.1–.57**	**10.58N–.03**	**126.92E–.05**	**30–3**	**4.8b,3.7s**	**354**	**2-170**
BJI	X	28 01 43 10.2	10.27N	127.04E	10	5.3b,4.9b	**¶601852949**	
IDC	X	28 01 43 12.3–.37	10.53N	126.88E	0	4.7,4.7		
ISCJB	X	28 01 43 13.4–1.0	10.58N–.02	126.92E–.02	15–7	4.8b,3.7s		
MAN	X	28 01 43 14.6	10.68N	126.86E	16	5.6b,4.8s		
NEIC	X	28 01 43 14.2–.14	10.55N	126.90E	10	4.8b,4.8s		
MOS	X	28 01 43 15.4–1.2	10.54N	126.84E	30	5.0b,4.8s		
DJA	X	28 01 43 17.5–.90	11N–4.0	127E–3.0	33–7	5.6b,5.4		

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

(248) Philippine Islands region

ISC	**X**	**28 01 53 11.6–1.2**	**10.57N–.03**	**126.88E–.05**	**14–7**	**4.7b**	**194**	**2-170**
BJI	X	28 01 53 04.8	10.09N	127.08E	6	5.2b,4.9b	**¶601852951**	
IDC	X	28 01 53 09.1–.41	10.53N	126.83E	0	4.6,4.6		
ISCJB	X	28 01 53 09.9–1.3	10.53N–.02	126.89E–.03	14–8	4.6b,3.5s		
NEIC	X	28 01 53 10.9–.15	10.54N	126.85E	10	4.8b,3.5s		
MAN	X	28 01 53 12.9	10.59N	126.79E	31	5.5b,4.7s		
DJA	X	28 01 53 15.5–2.2	11N–8.0	127E–4.0	27–13	5.7,5.4b		

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

(248) Philippine Islands region

ISC	**X**	**28 02 35 12.1–.62**	**10.57N–.03**	**126.76E–.05**	**26–4**	**4.8b**	**229**	**2-164**
DJA	X	28 02 35 06.3–1.0	11N–9.0	127E–9.0	10	5.7b,5.3	**¶601857728**	
IDC	X	28 02 35 07.7–.43	10.51N	126.79E	0	4.6,4.5		
BJI	X	28 02 35 07.2	10.28N	126.89E	19	5.1b,5.0b		
NEIC	X	28 02 35 09.3–.17	10.47N	126.76E	10	4.8b,5.0b		
MAN	X	28 02 35 10.4	10.69N	126.87E	30	4.9b,3.9L		
MOS	X	28 02 35 11.1–1.0	10.49N	126.73E	34	5.1b,3.9L		
ISCJB	X	28 02 35 11.2–.72	10.54N–.02	126.82E–.04	33–6	5.1s,4.7b		

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

(259) Mindanao

ISC	**X**	**28 02 43 11.9–.43**	**10.48N–.03**	**126.82E–.04**	**30–2**	**5.3b,4.8s**	**717**	**2-173**
BJI	X	28 02 43 01.7	9.88N	126.97E	10	5.5b,5.2s	**¶601852953**	
IDC	X	28 02 43 06.3–.34	10.42N	126.56E	0	5.0,4.9		
NEIC	X	28 02 43 08.6–.15	10.43N	126.64E	10	5.3b,4.9		
MAN	X	28 02 43 09.2	10.67N	126.76E	14	6.0b,5.5s		
ISCJB	X	28 02 43 09.3–.81	10.54N–.02	126.77E–.02	22–5	5.2b,4.8s		
MOS	X	28 02 43 11.3–1.4	10.58N	126.53E	33	5.6b,4.8s		
GCMT	X	28 02 43 11.6–.30	10.59N–.02	126.95E–.02	12	5.4W,4.8s		
DJA	X	28 02 43 29.6–1.4	9N–12	127E–3.0	97–7	5.7b,5.3b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c33; s39,c76;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.63±.04 $M_{\theta\theta}$0.30±.04; $M_{\phi\phi}$1.33±.04; $M_{r\theta}$0.28±.17; $M_{\theta\phi}$-0.43±.03; $M_{\phi r}$-0.30±.11; Best double couple: NP1:ϕ_s335.00000°,δ52.00000°,λ-96.00000°. NP2:ϕ_s165.00000°,δ38.00000°,λ-82.00000°. Principal axes: T 1.5330,Plg7.0000° ,Azm69.0000°; N 0.1610,Plg5.0000°,Azm339.0000°; P -1.6910,Plg81.0000°,Azm213.0000° $M_0$1.61200×10^{17}

(22) Queen Charlotte Islands region

ISC	**X**	**28 03 04 07.8–.58**	**52.68N–.02**	**132.17W–.03**	**7–3**	**7.6s,6.5b**	**2854**	**0-163**
BJI	X	28 03 04 05.2	52.78N	131.94W	20	7.9,7.9s	**¶603860908**	
PGC	X	28 03 04 06.1–6.7	52.55N	132.24W	23–0	7.7W,7.1L		
ISCJB	X	28 03 04 06.8–.07	52.77N–.01	132.02W–.02	10	7.5s,6.4b		
IDC	X	28 03 04 07.9–1.9	52.65N	132.26W	12–11	7.4,7.4s		
MOS	X	28 03 04 07.8–.99	52.63N	132.30W	21	7.5s,6.6b		
NEIC	X	28 03 04 08.8–.08	52.79N	132.10W	14	7.8W,7.8W		
NEIC	X	28 03 04 09.0–.00	52.74N	131.97W	11	7.8W,7.8W		
GCMT	X	28 03 04 36.8–.10	52.61N–.01	132.06W–.01	12	7.8W,7.8W		
NEIC	X	28 03 04 53.5–.00	52.89N	132.03W	22	7.8W,7.8W		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 83km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=138.1.
IDC Error ellipse: s-maj=11.9km s-min=6.9km az=35.0.
MOS Error ellipse: s-maj=6.1km s-min=3.1km az=101.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ71.00000°,λ85.00000°. NP2: ϕ_s310.00000°,δ20.00000°,λ104.00000°. Principal axes: T Plg64.0000°,Azm17.0000° ; N Plg5.0000°,Azm117.0000°; P Plg26.0000°,Azm209.0000° $M_0$4.80000×10^{20}
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.1km az=45.0. at Port-Vila, Vanuatu; 4 at Apia, Samoa; 4 at Hienghene, New Caledonia; 4 at Lata and 3 at Honiara, Solomon Islands; 4 on Christmas Island, Kiribati; 2 on Funafuti Island, Tuvalu. Felt [V] in the Masset-Queen Charlotte area and [IV] at Houston, Kitimat, Prince Rupert and Terrace. Felt [III] in much of western British Columbia and in Southeastern Alaska. Felt from Seattle, Washington to Juneau, Alaska and to Calgary, Alberta. Thermal springs on Hotspring Island in Gwaii Haanas National Park Preserve, Haida Gwaii, stopped flowing after the earthquake, but were starting to show signs of recovery in mid-January 2013. A generally-small, but nearly Pacific-wide tsunami was recorded, with much higher wave heights in Hawaii than in the rest of the Pacific. Also, the West Coast and Alaska Tsunami Warning Center observed that a small tsunami was recorded at Sitka, Alaska after having been reflected off the Hawaiian Islands. Tsunami wave heights [in centimeters, one-half peak-to-trough] were recorded at the following selected tide stations: 34 at Langara Island, 26 at Henslung Cove, 15 at Port Alberni and 9 at Prince Rupert, British Columbia; 76 at Kahului, 56 at Kawaihae, 43 at Haleiwa, 37 at Hilo, 20 at Hanalei and 15 at Honolulu, Hawaii; 18 at Chignik, 13 at Kodiak and 12 at Sitka, Alaska; 23 at Port Orford, Oregon; 46 at Crescent City, 41 at Arena Cove, 27 at Port San Luis and 25 at Point Reyes, California; 24 on Nuku Hiva, 24 on Hiva Oa and 4 at Rangiroa, French Polynesia; 15 on Rarotonga, Cook Islands; 12 on Chatham Island and 10 at Gisborne, New Zealand; 12 at Mera, 10 at Aburatsu and 10 on Chichi Jima, Japan; 10 at Talcahuano, Chile; 9 on Midway Island; 6. Complex earthquake, with at least one larger event occurring about 13 seconds after the onset observed on broadband displacement seismograms. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband displacement seismograms. Focal mechanism based on larger event. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 13 seconds after the onset. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband Energy computed from BB mechanism. Moment Tensor Solution. Moment Tensor Solution. Principal axes: T Plg45.0000°,Azm15.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm285.0000°
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{20}Nm; M_{rr}3.84 $M_{\theta\theta}$-2.41 $M_{\phi\phi}$-1.42 $M_{r\theta}$3.77 $M_{\theta\phi}$2.21 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s115.00000° ,δ68.00000°,λ79.00000°. NP2:ϕ_s322.00000°,δ24.00000°,λ115.00000°. Principal axes: T 5.6200,Plg65.0000°,Azm6.0000°; N 0.1100,Plg10.0000°,Azm119.0000° ; P -5.7300,Plg22.0000°,Azm213.0000° $M_0$5.70000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s145,c362; s147,c790; Duration: 18s7 Moment tensor: Scale 10^{20}Nm; M_{rr}4.08±.01 $M_{\theta\theta}$-2.53±.01; $M_{\phi\phi}$-1.56±.01; $M_{r\theta}$3.26±.11; $M_{\theta\phi}$2.40±.01; $M_{\phi r}$-1.78±.12; Best double couple: NP1:ϕ_s122.00000°,δ66.00000° ,λ83.00000°. NP2:ϕ_s318.00000°,δ25.00000°,λ104.00000°. Principal axes: T 5.5050,Plg69.0000°,Azm19.0000°; N 0.3310,Plg6.0000°,Azm125.0000° ; P -5.8460,Plg20.0000°,Azm217.0000° $M_0$5.67600×10^{20}
NEIC Event type se. Moment Tensor Solution. s196 Moment tensor: Scale 10^{20}Nm; M_{rr}4.75 $M_{\theta\theta}$-3.04 $M_{\phi\phi}$-1.70 $M_{r\theta}$3.36 $M_{\theta\phi}$2.27 $M_{\phi r}$-1.79 Best double couple: NP1:ϕ_s312.00000° ,δ26.00000°,λ100.00000°. NP2:ϕ_s121.00000°,δ64.00000°,λ85.00000°. Principal axes: T 6.1100,Plg70.0000°,Azm22.0000°; N -0.0500,Plg4.0000°,Azm123.0000° ; P -6.0600,Plg19.0000°,Azm215.0000° $M_0$6.10000×10^{20}

(248) Philippine Islands region

ISC	**X**	**28 03 04 26.6–3.8**	**10.58N–.04**	**126.89E–.06**	**14–24**	**4.5b**	**87**	**2-152**
IDC	X	28 03 04 24.9–.56	10.41N	126.72E	0	4.9L,4.6	**¶601857731**	
NEIC	X	28 03 04 25.8–.24	10.46N	126.93E	10	4.5b,4.6		
ISCJB	X	28 03 04 26.6–1.8	10.48N–.03	126.95E–.04	29–13	6.6s,4.4b		
MAN	X	28 03 04 27.9	10.62N	126.79E	14	5.3b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=11.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=163.7.

(703) Andaman Islands region

ISC	**X**	**28 03 08 49.4–.33**	**10.36N–.04**	**92.53E–.05**	**29**	**5.2b**	**154**	**1-152**
ISCJB	X	28 03 08 47.8–.20	10.28N–.02	92.50E–.03	29	5.1b	**¶601853266**	
KLM	X	28 03 08 50.0	10.32N	92.07E	137	5.1b		
BJI	X	28 03 08 51.9	10.40N	92.58E	68	5.3s,5.2		
IDC	X	28 03 08 52.1–2.3	10.36N	92.63E	51–21	5.0,4.8		
NEIC	X	28 03 08 52.4–.71	10.35N	92.58E	58–6	5.0b,4.8		
DJA	X	28 03 08 53.3–.70	10N–3.0	93E–7.0	59–4	6.9,5.7b		
NDI	X	28 03 08 53.1–2.4	10.37N	92.58E	68–16	5.1b,5.1L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=143.6.
IDC Error ellipse: s-maj=17.1km s-min=10.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=62.0.
NDI Error ellipse: s-maj=7.0km s-min=13.7km az=-1.0.

(248) Philippine Islands region

ISC	**X**	**28 03 37 26.0–4.3**	**10.61N–.05**	**126.87E–.07**	**16–26**	**4.5b**	**91**	**2-152**
IDC	X	28 03 37 23.4–.64	10.44N	126.73E	0	4.4,4.3	**¶606635641**	
ISCJB	X	28 03 37 24.2–2.0	10.56N–.03	126.93E–.04	17–14	4.3b,4.3		
DJA	X	28 03 37 24.4–1.6	11N–13	127E–14	10	6.0b,5.7		
NEIC	X	28 03 37 24.6–.25	10.48N	126.94E	10	4.7b,5.7		
MAN	X	28 03 37 26.6	10.63N	126.80E	25	4.8b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=14.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=164.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.6km az=79.0.

(22) Queen Charlotte Islands region

ISC	**X**	**28 04 25 29.2–.31**	**52.59N–.05**	**132.51W–.05**	**18**	**5.2b**	**1093**	**3-156**
IDC	X	28 04 25 26.7–.50	52.59N	132.56W	0	4.9,4.8	**¶601857740**	
ISCJB	X	28 04 25 27.8–.11	52.63N–.02	132.47W–.03	18	5.2b,4.8		
MOS	X	28 04 25 27.3–.78	52.60N	132.55W	17	5.5b,4.8		
NEIC	X	28 04 25 28.5–.09	52.62N	132.49W	10	5.2b,4.8		

ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=9.9km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.3km az=138.9.
MOS Error ellipse: s-maj=10.1km s-min=4.6km az=120.7.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.0km az=48.0.

(22) Queen Charlotte Islands region

ISC	**X**	**28 04 26 46.3–.58**	**52.71N–.06**	**132.38W–.05**	**14–3**	**5.2b**	**481**	**1-151**
ISCJB	X	28 04 26 43.1–1.0	52.75N–.02	132.40W–.04	4–7	5.1b	**¶601853275**	
IDC	X	28 04 26 43.1–.73	52.62N	132.68W	0	4.8,4.6		
MOS	X	28 04 26 44.6–.96	52.80N	132.35W	16	5.5b,4.6		
NEIC	X	28 04 26 45.9–.57	52.74N	132.40W	11–3	5.1b,4.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.3km az=135.8.
IDC Error ellipse: s-maj=21.3km s-min=13.2km az=15.0.
MOS Error ellipse: s-maj=12.4km s-min=6.2km az=115.4.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=1.6km az=45.0.

(22) Queen Charlotte Islands region

ISC	**X**	**28 04 33 41.9–.60**	**52.67N–.10**	**132.31W–.09**	**18**	**4.7b**	**111**	**1-88**
IDC	X	28 04 33 38.1–1.2	52.59N	132.56W	0	4.2,4.0	**¶601857741**	
ISCJB	X	28 04 33 40.2–.25	52.67N–.05	132.40W–.09	18	6.5s,4.5b		
NEIC	X	28 04 33 41.3–.24	52.70N	132.25W	10	4.7b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=19.8km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=2.7km az=140.7.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=2.6km az=51.0.

(22) Queen Charlotte Islands region

ISC	**X**	**28 04 41 03.6–.36**	**52.60N–.04**	**132.17W–.04**	**18**	**4.8b**	**467**	**0-151**
PGC	X	28 04 40 58.3–3.2	52.35N	132.34W	10	5.3W,5.1L	**¶601999907**	
IDC	X	28 04 41 00.2–.54	52.46N	132.38W	0	4.6,4.4		
ISCJB	X	28 04 41 01.8–.14	52.56N–.02	132.28W–.04	18	6.6s,4.7b		
MOS	X	28 04 41 01.8–.90	52.57N	132.30W	18	5.1b,4.7b		
NEIC	X	28 04 41 02.6–.15	52.55N	132.30W	10	5.3W,4.7b		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 106km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=11.6km s-min=8.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.6km az=141.2.
MOS Error ellipse: s-maj=12.1km s-min=4.5km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=1.7km az=49.0. Felt at Burns Lake, Prince George, Quesnel and Smithers. Also felt at Juneau and Wrangell, Alaska. Moment Tensor Solution.

(22) Queen Charlotte Islands region

ISC	**X**	**28 05 51 18.1–.43**	**52.77N–.07**	**132.75W–.06**	**22**	**4.7b**	**417**	**1-88**
IDC	X	28 05 51 14.0–.58	52.67N	132.95W	0	4.3,4.1	**¶601857752**	
ISCJB	X	28 05 51 16.8–.17	52.84N–.03	132.67W–.05	22	5.8s,4.5b		
MOS	X	28 05 51 17.0–.84	52.77N	132.80W	24	4.7b,4.5b		
NEIC	X	28 05 51 17.3–.22	52.81N	132.72W	10	4.5b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.9km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=1.9km az=141.9.
MOS Error ellipse: s-maj=12.7km s-min=4.9km az=108.5.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.1km az=50.0.

(248) Philippine Islands region

ISC	**X**	**28 06 15 14.9–1.2**	**10.46N–.04**	**126.80E–.06**	**31–8**	**4.7b**	**188**	**2-146**
IDC	X	28 06 15 09.8–.47	10.36N	126.69E	0	5.2s,5.2	**¶601853289**	
BJI	X	28 06 15 11.3	10.13N	126.81E	30	5.5b,5.2		
MOS	X	28 06 15 11.7–.99	10.33N	126.75E	25	5.1b,5.2		
NEIC	X	28 06 15 11.6–.23	10.38N	126.71E	10	4.8b,5.2		
MAN	X	28 06 15 11.8	10.48N	126.82E	11	5.1b,4.2s		
DJA	X	28 06 15 12.0–.80	11N–8.0	127E–8.0	10	6.0b,5.7		
ISCJB	X	28 06 15 13.8–.73	10.44N–.02	126.86E–.04	38–6	5.7s,4.6b		

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

(22) Queen Charlotte Islands region

ISC	**X**	**28 07 25 20.4–.62**	**52.26N–.04**	**131.39W–.04**	**6–3**	**5.0b**	**861**	**0-151**
PGC	X	28 07 25 16.2–17	52.11N	131.68W	12–1	5.2W,5.0b	**¶601853297**	
IDC	X	28 07 25 18.0–.44	52.17N	131.76W	0	4.8,4.7		
MOS	X	28 07 25 19.9–1.2	52.29N	131.64W	16	5.1b,4.7		
ISCJB	X	28 07 25 20.3–.49	52.38N–.02	131.39W–.03	14–3	4.9b,4.4s		
NEIC	X	28 07 25 21.5–.16	52.32N	131.56W	10	5.2W,5.0b		
BJI	X	28 07 25 21.6	52.85N	131.47W	14	5.6b,5.3s		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. 127km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=12.0km s-min=7.8km az=49.0.
MOS Error ellipse: s-maj=8.9km s-min=3.8km az=111.7.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.6km az=143.8.

NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=1.7km az=49.0. Felt at Juneau and Thorne Bay, Alaska. Moment Tensor Solution. $M_0$6.90000×10^{16}

(22) Queen Charlotte Islands region

ISC	**X**	**28 09 17 28.6–.52**	**52.31N–.04**	**131.84W–.04**	**16–2**	**5.2b,5.1s**	**970**	**0-163**	
BJI	X	28 09 17 24.8	52.20N	132.00W	10	5.5b,5.2s			**¶602000006**
IDC	X	28 09 17 25.4–.44	52.23N	132.08W	0	5.0,5.0s			
PGC	X	28 09 17 26.1–15	52.17N	131.88W	11–9	5.3W,5.1b			
MOS	X	28 09 17 26.4–.96	52.14N	132.15W	17	5.4b,5.1s			
NEIC	X	28 09 17 27.7–.11	52.24N	132.01W	10	5.3W,5.1b			
ISCJB	X	28 09 17 27.1–.41	52.26N–.02	131.96W–.03	20–3	5.1s,5.1b			

ISC Event type fe.
PGC Event type ke. 120km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type fe. Felt at Terrace. Moment Tensor Solution. $M_0$9.80000×10^{16}
ISCJB Event type fe.

(22) Queen Charlotte Islands region

ISC	**X**	**28 18 54 20.2–.47**	**52.54N–.03**	**132.66W–.03**	**5–2**	**6.3s,5.9b**	**1960**	**1-163**	
PGC	X	28 18 54 16.7–.13	52.48N	132.79W	20	6.3b,5.6L			**¶601857803**
IDC	X	28 18 54 17.9–.35	52.56N	132.56W	0	6.1,6.1s			
BJI	X	28 18 54 18.0	52.61N	132.68W	9	6.4s,6.3			
MOS	X	28 18 54 19.3–1.1	52.57N	132.71W	11	6.3s,6.1b			
ISCJB	X	28 18 54 20.1–.09	52.60N–.01	132.50W–.02	10	6.2s,5.7b			
NEIC	X	28 18 54 20.8–.15	52.67N	132.60W	9	6.3W,6.3W			
NEIC	X	28 18 54 21.0–.00	52.63N	132.70W	11	6.3W,6.3W			
GCMT	X	28 18 54 27.8–.10	52.56N	132.78W	12	6.4W,6.3W			

ISC Event type fe.
PGC Event type ke. 107km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=8.5km s-min=5.7km az=75.0.
MOS Error ellipse: s-maj=8.2km s-min=4.0km az=110.8.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.1km az=141.2.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=1.6km az=48.0. Felt at Campbell River, Chetwynd, Houston, Nanaimo, Prince Rupert and Terrace. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.10 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.20000×10^{18}
NEIC Event type se. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.55 $M_{\theta\theta}$1.37 $M_{\phi\phi}$2.18 $M_{r\theta}$-0.76 $M_{\theta\phi}$-1.80 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s139.00000° ,δ53.00000°,λ-92.00000°. NP2:ϕ_s324.00000°,δ37.00000°,λ-86.00000°. Principal axes: T 3.7700,Plg8.0000°,Azm231.0000°; N -0.0700,Plg2.0000°,Azm140.0000° ; P -3.7000,Plg81.0000°,Azm35.0000° $M_0$3.70000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c299; s145,c595; Duration: 3ŝ7 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.31±.02 $M_{\theta\theta}$1.58±.03; $M_{\phi\phi}$2.74±.03; $M_{r\theta}$0.41±.06; $M_{\theta\phi}$-2.31±.02; $M_{\phi r}$-0.92±.06; Best double couple: NP1:ϕ_s325.00000°,δ51.00000° ,λ-86.00000°. NP2:ϕ_s139.00000°,δ39.00000°,λ-95.00000°. Principal axes: T 4.6490,Plg6.0000°,Azm52.0000°; N -0.2090,Plg3.0000°,Azm143.0000° ; P -4.4300,Plg83.0000°,Azm259.0000° $M_0$4.53900×10^{18}

(22) Queen Charlotte Islands region

ISC	**X**	**28 19 03 23.3–.49**	**52.76N–.04**	**132.51W–.04**	**24–3**	**5.3b**	**844**	**0-151**	
IDC	X	28 19 03 19.1–.37	52.63N	132.78W	0	4.9,4.9b			**¶602000125**
ISCJB	X	28 19 03 20.8–.66	52.83N–.02	132.54W–.03	14–4	5.2s,5.2b			
MOS	X	28 19 03 20.3–1.0	52.75N	132.81W	12	5.5b,5.2b			
PGC	X	28 19 03 21.3–13	52.73N	132.52W	32–1	5.4b,5.4W			
NEIC	X	28 19 03 21.9–.16	52.83N	132.67W	10	5.4W,5.4b			
BJI	X	28 19 03 22.3	52.70N	132.90W	33	5.7s,5.6			
GCMT	X	28 19 03 24.9–.30	52.68N–.03	132.90W–.04	14–1	5.6W,5.6			

ISC Event type ke.
ISCJB Event type ke.
PGC Event type ke. 75km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution. $M_0$1.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s2,c2; s105,c188;Duration: 0ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.94±.28 $M_{\theta\theta}$1.04±.15; $M_{\phi\phi}$1.90±.16; $M_{r\theta}$-0.12±.38; $M_{\theta\phi}$-1.20±.07; $M_{\phi r}$-0.77±.32; Best double couple: NP1:ϕ_s334.00000°,δ51.00000°,λ-78.00000°. NP2:ϕ_s136.00000°,δ40.00000°,λ-104.00000°. Principal axes: T 2.7990,Plg6.0000° ,Azm56.0000°; N 0.2830,Plg9.0000°,Azm147.0000°; P -3.0830,Plg79.0000°,Azm295.0000° $M_0$2.94100×10^{17}

(22) Queen Charlotte Islands region

ISC	**X**	**28 19 09 54.7–.59**	**52.23N–.05**	**131.92W–.04**	**19–2**	**5.6s,5.5b**	**884**	**0-163**	
PGC	X	28 19 09 44.4–13	52.47N	132.51W	9–3	5.6b,5.6W			**¶601857808**
IDC	X	28 19 09 48.9–.45	52.09N	132.38W	0	5.5,5.5s			
BJI	X	28 19 09 50.1	52.30N	131.90W	13	6.1s,5.8			
MOS	X	28 19 09 52.7–1.1	52.24N	132.10W	15	5.6b,5.8			
NEIC	X	28 19 09 53.9–.24	52.29N	132.08W	10	5.6W,5.6b			
ISCJB	X	28 19 09 53.0–.13	52.32N–.02	131.84W–.03	15	5.7s,5.4b			
GCMT	X	28 19 09 59.9–.20	52.14N–.01	132.04W–.02	12	5.8W,5.4b			

ISC Event type ke.
PGC Event type ke. 98km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution. $M_0$2.90000×10^{17} Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.76 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.65 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.92 Best double couple: NP1:ϕ_s288.00000°,δ42.00000°,λ-123.00000°. NP2:ϕ_s149.00000° ,δ55.00000°,λ-64.00000°. Principal axes: T 1.8300,Plg7.0000°,Azm221.0000° ; N 0.3200,Plg21.0000°,Azm314.0000°; P -2.1500,Plg67.0000°,Azm114.0000° $M_0$2.00000×10^{17}
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s123,c268;Duration: 1ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.07±.09 $M_{\theta\theta}$3.55±.09; $M_{\phi\phi}$2.52±.08; $M_{r\theta}$-0.60±.39; $M_{\theta\phi}$-2.86±.06; $M_{\phi r}$-0.95±.41; Best double couple: NP1:ϕ_s320.00000°,δ47.00000°,λ-76.00000°. NP2:ϕ_s120.00000°,δ45.00000°,λ-104.00000°. Principal axes: T 5.9430,Plg1.0000° ,Azm40.0000°; N 0.3220,Plg10.0000°,Azm130.0000°; P -6.2650,Plg80.0000°,Azm306.0000° $M_0$6.10400×10^{17}

(22) Queen Charlotte Islands region

ISC	**X**	**28 19 16 51.1–.56**	**52.58N–.04**	**132.50W–.04**	**17–2**	**5.2b**	**797**	**0-152**	
IDC	X	28 19 16 47.7–.40	52.47N	132.54W	0	4.8,4.7			**¶601857809**
PGC	X	28 19 16 48.2–9.6	52.48N	132.66W	16–1	5.2W,5.1b			
MOS	X	28 19 16 49.4–1.0	52.63N	132.52W	16	5.4b,5.1b			
ISCJB	X	28 19 16 50.6–.46	52.64N–.02	132.36W–.04	20–3	5.2s,5.0b			
NEIC	X	28 19 16 50.8–.18	52.65N	132.48W	10	5.2W,5.1b			
GCMT	X	28 19 16 54.8–.50	52.57N–.05	132.68W–.05	13–2	5.3W,5.1b			
BJI	X	28 19 16 54.5	52.97N	133.07W	45	5.9s,5.7			

ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=6.0km az=68.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 102km southwest of Sandspit, Bc Haida Gwaii Region.
MOS Error ellipse: s-maj=12.3km s-min=5.8km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=1.8km az=143.2.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.1km az=50.0. Moment Tensor Solution. $M_0$8.10000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s2,c2; s74,c100;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.16 $M_{\theta\theta}$0.27±.09; $M_{\phi\phi}$0.83±.09; $M_{r\theta}$0.69±.29; $M_{\theta\phi}$-0.41±.04; $M_{\phi r}$0.16±.20; Best double couple: NP1:ϕ_s308.00000°,δ55.00000°,λ-120.00000°. NP2:ϕ_s173.00000°,δ45.00000°,λ-54.00000°. Principal axes: T 1.0630,Plg6.0000° ,Azm59.0000°; N 0.3690,Plg24.0000°,Azm326.0000°; P -1.4320,Plg65.0000°,Azm161.0000° $M_0$1.24800×10^{17}

(706) Northern Sumatera

ISC	**X**	**29 02 22 43.7–.35**	**0.90N–.03**	**98.36E–.04**	**51–2**	**5.3b,4.4s**	**1053**	**1-177**	
BJI	X	29 02 22 39.8	0.50N	98.40E	60	5.3b,5.2b			**¶601857844**
ISCJB	X	29 02 22 43.0–.33	0.88N–.02	98.35E–.02	59–3	5.3b,4.3s			
MOS	X	29 02 22 42.9–.99	0.96N	98.42E	57	5.7b,4.2s			
IDC	X	29 02 22 43.4–.50	0.93N	98.41E	46–4	5.1,4.9			
DJA	X	29 02 22 43.7–.50	1N–2.0	98E–2.0	30–4	5.7,5.6b			
NEIC	X	29 02 22 44.5–.51	0.88N	98.38E	59–4	5.4b,5.6b			
GCMT	X	29 02 22 45.5–.20	0.96N–.01	98.27E–.01	26–0	5.2W,5.6b			
KLM	X	29 02 22 46.0	0.84N	98.43E	86	5.4b,5.6b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=141.0.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=111.8.
IDC Error ellipse: s-maj=10.6km s-min=8.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=54.0. Felt [III] at Padangsidempuan and Sibolga, Sumatra.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c86; s84,c141;Duration: 1ŝ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.19±.16 $M_{\theta\theta}$3.35±.11; $M_{\phi\phi}$-2.17±.11; $M_{r\theta}$1.60±.25; $M_{\theta\phi}$1.04±.09; $M_{\phi r}$-8.13±.42; Best double couple: NP1:ϕ_s168.00000°,δ88.00000°,λ89.00000°. NP2:ϕ_s14.00000°,δ2.00000°,λ116.00000°. Principal axes: T 6.5330,Plg47.0000° ,Azm77.0000°; N 3.5370,Plg1.0000°,Azm168.0000°; P -10.0810,Plg43.0000°,Azm259.0000° $M_0$8.30700×10^{16}

(286) Flores region

ISC	**X**	**29 06 28 37.2–.29**	**8.20S–.03**	**123.52E–.04**	**39–2**	**5.2b,5.1s**	**461**	**1-174**	
BJI	X	29 06 28 30.7	8.20S	123.50E	6	5.3b,5.1b			**¶601857858**
ISCJB	X	29 06 28 31.4–.72	8.17S–.02	123.56E–.02	11–4	5.1s,5.1b			
NEIC	X	29 06 28 33.1–.14	8.19S	123.47E	10	5.2b,5.1s			
MOS	X	29 06 28 34.2–1.1	8.11S	123.48E	28	5.3b,4.9s			
GCMT	X	29 06 28 35.1–.10	8.17S–.01	123.51E–.01	14–0	5.5W,4.9s			
DJA	X	29 06 28 35.0–.10	8S–1.0	124E–1.0	10	5.8b,5.6			
KLM	X	29 06 28 36.0	8.47S	123.59E	52	5.6b,5.6			
IDC	X	29 06 28 38.0–1.9	8.12S	123.44E	44–18	5.0,4.9			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.9km az=35.3.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=59.0. Felt [V] on Pulau Kawula, [IV] at Adonara and [III] at Alor.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c174; s129,c252;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22±.03 $M_{\theta\theta}$0.94±.02; $M_{\phi\phi}$-1.16±.03; $M_{r\theta}$-0.09±.05; $M_{\theta\phi}$-1.67±.03; $M_{\phi r}$-1.15±.10; Best double couple: NP1:ϕ_s344.00000°,δ87.00000°,λ-28.00000°. NP2:ϕ_s76.00000°,δ62.00000°,λ-177.00000°. Principal axes: T 2.0140,Plg17.0000° ,Azm34.0000°; N 0.4780,Plg62.0000°,Azm159.0000°; P -2.4960,Plg21.0000°,Azm296.0000° $M_0$2.25500×10^{17}
IDC Error ellipse: s-maj=13.3km s-min=9.2km az=75.0.

(286) Flores region

ISC	**X**	**29 06 34 50.6–.41**	**8.25S–.05**	**123.55E–.05**	**35**	**4.5b**	**97**	**1-153**	
NEIC	X	29 06 34 47.5–.32	8.04S	123.56E	10	5.0b			**¶602000224**
ISCJB	X	29 06 34 48.7–.26	8.13S–.03	123.58E–.03	33	4.5b			
DJA	X	29 06 34 49.4–.20	8S–2.0	123E–2.0	10	6.4b,6.1			
IDC	X	29 06 34 53.0–2.4	8.08S	123.64E	51–23	4.5L,4.4			

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=6.1km az=61.0. Felt [IV] at Adonara and on Pulau Kawula and [III] at Alor.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=161.5.
IDC Error ellipse: s-maj=22.4km s-min=13.0km az=71.0.

(269) Southern Molucca Sea

ISC	**X**	**29 15 29 52.7–.35**	**0.15S–.03**	**125.26E–.03**	**57–2**	**5.5b,5.0s**	**1045**	**1-175**	
BJI	X	29 15 29 45.6	0.86S	125.45E	62	5.4b,5.3b			**¶601861577**
MOS	X	29 15 29 49.5–1.1	0.04S	125.17E	36	5.7b,4.9s			
NEIC	X	29 15 29 49.0–.00	0.15S	125.35E	23	5.7b,4.9s			
IDC	X	29 15 29 50.8–1.2	0.13S	125.16E	35–8	5.4,5.2b			
NEIC	X	29 15 29 50.4–.12	0.14S	125.19E	35	5.7W,5.6b			
ISCJB	X	29 15 29 51.4–.28	0.17S–.01	125.23E–.02	59–2	5.5b,5.0s			
GCMT	X	29 15 29 52.4–.10	0.34S–.01	125.36E–.01	36–0	5.7W,5.0s			
DJA	X	29 15 29 53.0–.90	0S–2.0	125E–1.0	38–12	5.8b,5.7			
KLM	X	29 15 29 58.0	0.08S	125.50E	90	5.9b,5.7			

ISC Event type se.
MOS Error ellipse: s-maj=7.5km s-min=4.4km az=117.2.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-2.24 $M_{\phi\phi}$-0.33 $M_{r\theta}$0.74 $M_{\theta\phi}$-1.43 $M_{\phi r}$3.06 Best double couple: NP1:ϕ_s31.00000° ,δ70.00000°,λ65.00000°. NP2:ϕ_s265.00000°,δ31.00000°,λ139.00000°. Principal axes: T 4.5100,Plg57.0000°,Azm267.0000°; N -0.6500,Plg23.0000°,Azm39.0000° ; P -3.8600,Plg21.0000°,Azm139.0000° $M_0$4.20000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=6.8km az=85.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=68.0. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.88 $M_{\theta\phi}$0.39 $M_{\phi r}$1.01 Best double couple: NP1:ϕ_s306.00000°,δ38.00000°,λ134.00000°. NP2:ϕ_s75.00000° ,δ64.00000°,λ62.00000°. Principal axes: T 2.2200,Plg60.0000°,Azm302.0000° ; N -0.6300,Plg25.0000°,Azm88.0000°; P -1.5900,Plg14.0000°,Azm185.0000° $M_0$2.00000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=157.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c229; s110,c261; Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.15±.04 $M_{\theta\theta}$-1.78±.04; $M_{\phi\phi}$-1.37±.04; $M_{r\theta}$1.19±.05; $M_{\theta\phi}$-2.11±.03; $M_{\phi r}$2.16±.06; Best double couple: NP1:ϕ_s36.00000°,δ63.00000° ,λ78.00000°. NP2:ϕ_s242.00000°,δ29.00000°,λ113.00000°. Principal axes: T 4.0370,Plg69.0000°,Azm281.0000°; N 0.3890,Plg11.0000°,Azm41.0000° ; P -4.4260,Plg17.0000°,Azm135.0000° $M_0$4.23100×10^{17}

(22) Queen Charlotte Islands region

ISC	**X**	**30 02 49 01.3–.42**	**52.15N–.03**	**132.11W–.04**	**10–2**	**6.1s,5.8b**	**2182**	**0-163**	
BJI	X	30 02 48 57.5	52.28N	132.01W	5	6.2s,6.1b			**¶601867005**
PGC	X	30 02 48 58.4–3.7	52.13N	132.32W	19–0	6.1W,5.6L			
IDC	X	30 02 48 59.7–.38	52.23N	132.12W	0	5.9,5.9s			
MOS	X	30 02 49 00.1–1.1	52.25N	132.11W	10	6.1s,6.0b			
ISCJB	X	30 02 49 00.6–.09	52.31N–.01	131.91W–.02	11	6.1s,5.7b			
NEIC	X	30 02 49 02.0–.00	52.32N	132.07W	11	6.1s,5.7b			
NEIC	X	30 02 49 02.3–.13	52.37N	131.90W	9	6.2W,6.2W			
GCMT	X	30 02 49 07.3–.10	52.15N	132.11W	12	6.2W,6.2W			
NEIC	X	30 02 49 26.4–.00	52.27N	131.96W	10	6.2W,6.2W			

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 129km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=57.0.
MOS Error ellipse: s-maj=6.6km s-min=3.3km az=106.5.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.0km az=139.3.
NEIC Event type se. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.90 $M_{\theta\theta}$1.14 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.98 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.27 Best double couple: NP1:ϕ_s109.00000° ,δ57.00000°,λ-113.00000°. NP2:ϕ_s327.00000°,δ40.00000°,λ-58.00000°. Principal axes: T 2.0400,Plg9.0000°,Azm215.0000°; N 0.2500,Plg19.0000°,Azm122.0000° ; P -2.2800,Plg68.0000°,Azm329.0000° $M_0$2.20000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=1.4km az=49.0. Felt in Haida Gwaii. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.37 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$1.80000×10^{18} Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s135.00000° ,δ57.00000°,λ-85.00000°. Principal axes: T 1.1700,Plg12.0000°,Azm221.0000° ; N -0.1200,Plg4.0000°,Azm312.0000°; P -1.0500,Plg78.0000°,Azm60.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s58.00000°,δ57.00000° ,λ-156.00000°. NP2:ϕ_s315.00000°,δ70.00000°,λ-35.00000°. Principal axes: T Plg8.0000° ,Azm9.0000°; N Plg0.0000°,Azm0.0000°; P Plg39.0000°,Azm273.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c278; s144,c589; Duration: 3ŝ1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.40±.01 $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.61±.03; Best double couple: NP1:ϕ_s316.00000°,δ53.00000° ,λ-83.00000°. NP2:ϕ_s126.00000°,δ38.00000°,λ-99.00000°. Principal axes: T 2.6400,Plg8.0000°,Azm42.0000°; N -0.1310,Plg5.0000°,Azm132.0000° ; P -2.5090,Plg81.0000°,Azm257.0000° $M_0$2.57400×10^{18}
NEIC Event type se. Moment Tensor Solution. s55 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.34 $M_{\theta\theta}$1.53 $M_{\phi\phi}$0.81 $M_{r\theta}$0.03 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s296.00000° ,δ42.00000°,λ-105.00000°. NP2:ϕ_s136.00000°,δ49.00000°,λ-76.00000°. Principal axes: T 2.3400,Plg4.0000°,Azm217.0000°; N 0.1000,Plg10.0000°,Azm307.0000° ; P -2.4400,Plg79.0000°,Azm108.0000° $M_0$2.40000×10^{18}

(22) Queen Charlotte Islands region

ISC	**X**	**30 02 55 12.0–.94**	**52.28N–.04**	**131.87W–.04**	**6–5**	**5.0b**	**457**	**0-163**	
NEIC	X	30 02 55 08.0–.00	52.22N	132.12W	19	5.3W,5.0b			**¶601867006**
PGC	X	30 02 55 09.0–15	52.22N	132.12W	19–2	5.3W,4.8L			
MOS	X	30 02 55 09.4–2.4	51.96N	131.73W	10	5.3b,4.8L			
BJI	X	30 02 55 10.3	52.50N	131.50W	5	6.1s,5.9			
ISCJB	X	30 02 55 12.3–.55	52.35N–.02	131.79W–.04	15–3	5.8s,4.9b			
IDC	X	30 02 55 13.3–2.0	52.19N	132.13W	34–13	4.5,4.5			

ISC Event type ke.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$1.20000×10^{17}
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.
MOS Error ellipse: s-maj=20.9km s-min=7.5km az=118.2.

ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.2km az=149.0.
IDC Error ellipse: s-maj=21.7km s-min=10.0km az=39.0.

(173) Tonga Islands

ISC	**X**	**30 10 59 32.9–.35**	**18.28S–.08**	**174.59W–.07**	**10**	**5.1b,3.9s**	**515**	**4-157**
IDC	X	30 10 59 31.2–.58	18.26S	174.70W	0	4.8,4.6b		**¶601860658**
ISCJB	X	30 10 59 31.4–.17	18.30S–.06	174.72W–.03	10	5.0b,4.0s		
NEIC	X	30 10 59 32.9–.11	18.28S	174.71W	10	5.1b,4.0s		
BJI	X	30 10 59 33.0	17.80S	174.58W	7	5.6b,5.0b		
MOS	X	30 10 59 35.2–1.1	18.27S	174.69W	33	5.2b,5.0b		
GCMT	X	30 10 59 35.9–.30	18.56S–.04	174.24W–.03	12–1	4.8W,5.0b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s72,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.49±.11 $M_{\theta\theta}$-0.54±.08; $M_{\phi\phi}$-0.94±.08; $M_{r\theta}$1.05±.30; $M_{\theta\phi}$0.62±.06; $M_{\phi r}$-0.76±.23; Best double couple: NP1:ϕ_s133.00000°,δ66.00000°,λ81.00000°. NP2:ϕ_s333.00000°,δ25.00000°,λ109.00000°. Principal axes: T 2.0130,Plg68.0000° ,Azm26.0000°; N -0.1470,Plg8.0000°,Azm136.0000°; P -1.8660,Plg21.0000°,Azm229.0000° $M_0$1.94000×10^{16}

(22) Queen Charlotte Islands region

ISC	**XI**	**01 03 16 00.2–.48**	**52.44N–.03**	**131.94W–.04**	**12–2**	**5.0b,4.9s**	**1036**	**0-163**
PGC	XI	01 03 15 56.6–3.6	52.29N	132.27W	25–0	5.2W,5.0b		**¶601867047**
IDC	XI	01 03 15 57.8–.44	52.40N	132.14W	0	4.6,4.6		
BJI	XI	01 03 15 57.6	52.60N	131.90W	10	5.5b,5.1s		
MOS	XI	01 03 15 59.2–1.1	52.49N	132.00W	16	5.3b,4.7s		
ISCJB	XI	01 03 16 00.5–.37	52.55N–.02	131.89W–.03	26–2	5.0b,4.8s		
NEIC	XI	01 03 16 01.5–.65	52.55N	132.02W	20–4	5.2W,5.0b		
GCMT	XI	01 03 16 04.5–.10	52.32N–.01	132.18W–.02	12	5.3W,5.0b		

ISC Event type fe.
PGC Event type ke. 110km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe.
NEIC Event type fe. Felt at Queen Charlotte and Skidegate. Moment Tensor Solution. $M_0$8.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c89; s131,c237;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21±.01 $M_{\theta\theta}$0.68±.02; $M_{\phi\phi}$0.53±.01; $M_{r\theta}$0.09±.04; $M_{\theta\phi}$-0.55±.01; $M_{\phi r}$-0.18±.05; Best double couple: NP1:ϕ_s315.00000°,δ50.00000°,λ-85.00000°. NP2:ϕ_s128.00000°,δ41.00000°,λ-95.00000°. Principal axes: T 1.1800,Plg5.0000° ,Azm42.0000°; N 0.0540,Plg3.0000°,Azm132.0000°; P -1.2300,Plg84.0000°,Azm259.0000° $M_0$1.20500×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**01 23 37 17.6–.30**	**1.20N–.03**	**122.15E–.03**	**32–1**	**5.2b,4.8s**	**552**	**1-178**
BJI	XI	01 23 37 11.9	0.71N	122.39E	33	5.4b,5.1b		**¶601867837**
MOS	XI	01 23 37 15.9–1.2	1.24N	122.16E	33	5.4b,4.8s		
ISCJB	XI	01 23 37 16.8–.34	1.26N–.02	122.18E–.02	39–3	5.1b,4.8s		
IDC	XI	01 23 37 17.5–1.8	1.20N	122.10E	35–14	5.1L,4.8		
DJA	XI	01 23 37 17.6–.40	1N–2.0	122E–1.0	23–3	5.7b,5.7		
GCMT	XI	01 23 37 17.7–.10	1.51N–.01	122.01E–.01	32–0	5.5W,5.7		
NEIC	XI	01 23 37 18.2–.13	1.23N	122.11E	35	5.4W,5.3b		
KLM	XI	01 23 37 20.0	1.34N	122.17E	48	5.4b,5.3b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=113.3.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=163.7.
IDC Error ellipse: s-maj=12.3km s-min=7.8km az=72.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c222; s126,c219;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}1.54±.03 $M_{\theta\theta}$-1.62±.02; $M_{\phi\phi}$0.07±.02; $M_{r\theta}$-1.66±.04; $M_{\theta\phi}$0.29±.02; $M_{\phi r}$0.09±.04; Best double couple: NP1:ϕ_s275.00000°,δ68.00000°,λ86.00000°. NP2:ϕ_s105.00000°,δ22.00000°,λ99.00000°. Principal axes: T 2.2520,Plg67.0000° ,Azm178.0000°; N 0.1120,Plg4.0000°,Azm276.0000°; P -2.3690,Plg23.0000°,Azm8.0000° $M_0$2.31100×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=65.0. Felt [III] at Buol and Gorontalo. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s62.00000°,δ26.00000° ,λ64.00000°. NP2:ϕ_s271.00000°,δ67.00000°,λ102.00000°. Principal axes: T 1.1600,Plg66.0000°,Azm203.0000°; N 0.3500,Plg11.0000°,Azm86.0000° ; P -1.5100,Plg21.0000°,Azm352.0000° $M_0$1.40000×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	**XI**	**02 01 52 06.2–.48**	**55.78N–.03**	**163.06E–.03**	**31–3**	**5.5s,5.4b**	**1690**	**0-169**
BJI	XI	02 01 51 59.6	55.97N	163.00E	8	6.1s,5.9		**¶601867848**
IDC	XI	02 01 52 01.7–.41	55.84N	162.85E	0	5.3,5.3s		
KRSC	XI	02 01 52 03.2–.95	55.75N	163.29E	46–17	5.6L,5.3s		
NEIC	XI	02 01 52 03.4–1.2	55.89N	162.80E	9–7	5.5W,5.5b		
MOS	XI	02 01 52 06.5–.85	55.85N	162.86E	50	5.6b,5.4s		
ISCJB	XI	02 01 52 06.3–.26	55.84N–.02	162.92E–.02	46–2	5.4s,5.4b		
GCMT	XI	02 01 52 08.3–.10	55.74N–.01	163.56E–.01	23–0	5.6W,5.4b		

ISC Event type se.
KRSC Event type se. FELT [III] at cape Afrika, Krutoberegovo, Ust-Kamchatsk; [felt] at Nikolskoe, GMS Kronoki no.
NEIC Event type se. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.39 $M_{\theta\phi}$0.42 $M_{\phi r}$2.49 Best double couple: NP1:ϕ_s123.00000° ,δ10.00000°,λ29.00000°. NP2:ϕ_s5.00000°,δ85.00000°,λ99.00000°. Principal axes: T 2.8800,Plg49.0000°,Azm284.0000°; N -0.6000,Plg9.0000°,Azm184.0000° ; P -2.2800,Plg40.0000°,Azm87.0000° $M_0$2.60000×10^{17}
MOS Event type fe. Felt (III) at Ust'-Kamchatsk. Moment Tensor Solution.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c204; s133,c302; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.34±.04 $M_{\theta\theta}$-0.21±.03; $M_{\phi\phi}$-2.13±.03; $M_{r\theta}$0.62±.06; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$1.67±.06; Best double couple: NP1:ϕ_s18.00000°,δ64.00000° ,λ93.00000°. NP2:ϕ_s192.00000°,δ26.00000°,λ84.00000°. Principal axes: T 2.9500,Plg71.0000°,Azm294.0000°; N -0.0670,Plg2.0000°,Azm197.0000° ; P -2.8800,Plg19.0000°,Azm106.0000° $M_0$2.91500×10^{17}

(259) Mindanao

ISC	**XI**	**02 18 17 34.7–.24**	**9.24N–.02**	**126.28E–.03**	**55–1**	**5.9b,5.6s**	**2391**	**1-172**
BJI	XI	02 18 17 28.3	8.88N	126.34E	39	5.9b,5.9s		**¶601868898**
NEIC	XI	02 18 17 32.7–.08	9.22N	126.16E	37	6.2b,6.1		
MOS	XI	02 18 17 32.9–1.0	9.20N	126.15E	53	6.3b,5.6s		
MAN	XI	02 18 17 33.2	9.31N	126.40E	28	6.6b,6.5s		
NEIC	XI	02 18 17 33.0–.00	9.25N	126.57E	40	6.6b,6.5s		
IDC	XI	02 18 17 33.7–.97	9.24N	126.11E	40–8	5.8,5.6		
ISCJB	XI	02 18 17 34.7–.26	9.25N–.01	126.24E–.01	65–2	5.8b,5.6		
GCMT	XI	02 18 17 35.7–.10	9.23N	126.48E	46–0	6.1W,5.6		
DJA	XI	02 18 17 37.1–.30	9N–2.0	126E–2.0	62–3	6.7,6.4b		
KLM	XI	02 18 17 40.0	9.13N	126.49E	99	6.1b,6.4b		
NEIC	XI	02 18 17 48.9–.00	9.43N	126.28E	47	6.1b,6.4b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=73.0. Felt [V PIVS] at General Luna and Tandag; [IV PIVS] at Butuan, Cagdianao, Dapa, Kitcharao, Magallanes, Socorro, Surigao and Tubajon; [III PIVS] at Basilisa, Bislig and Libjo; [II PIVS] at Davao, Magsaysay and Santiago. Also felt at Cabadbaran, Cagayan de Oro, Cortes, General Santos, Lagonglong, Lanuza, Madrid, Naawan, Panabo, Santa Cruz and Sibagat. Felt [II PIVS] at Cebu City, Cebu. Also felt at Mambajao, Camiguin Island, at Borongan and Guiuan, Samar and at Maasin and Tacloban, Leyte. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s40
Moment tensor: Scale 10^{18}Nm; M_{rr}1.12 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-1.49 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.04
Best double couple: NP1:ϕ_s167.00000°,δ46.00000°,λ66.00000°. NP2:ϕ_s20.00000° ,δ49.00000°,λ113.00000°. Principal axes: T 1.2000,Plg73.0000°,Azm359.0000° ; N 0.3000,Plg17.0000°,Azm184.0000°; P -1.5000,Plg1.0000°,Azm93.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s159.00000°,δ46.00000°,λ63.00000°. NP2:ϕ_s15.00000°,δ50.00000°,λ115.00000°. Principal axes: T Plg71.0000°,Azm352.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm88.0000°
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=112.8.
NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.07 $M_{\theta\phi}$0.22 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s355.00000° ,δ56.00000°,λ96.00000°. NP2:ϕ_s164.00000°,δ34.00000°,λ81.00000°. Principal axes: T 1.5900,Plg77.0000°,Azm287.0000°; N -0.1300,Plg5.0000°,Azm171.0000° ; P -1.4600,Plg10.0000°,Azm80.0000° $M_0$1.50000×10^{18}
IDC Error ellipse: s-maj=9.9km s-min=6.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=149.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c341; s144,c486; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.62±.01; $M_{r\theta}$0.27±.01; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s4.00000°,δ52.00000° ,λ105.00000°. NP2:ϕ_s160.00000°,δ41.00000°,λ71.00000°. Principal axes: T 1.5990,Plg77.0000°,Azm328.0000°; N 0.0820,Plg12.0000°,Azm174.0000° ; P -1.6860,Plg6.0000°,Azm83.0000° $M_0$1.64200×10^{18}
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{18}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.18 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s168.00000° ,δ49.00000°,λ84.00000°. NP2:ϕ_s357.00000°,δ41.00000°,λ97.00000°. Principal axes: T 1.8200,Plg84.0000°,Azm35.0000°; N -0.0100,Plg4.0000°,Azm171.0000° ; P -1.8100,Plg4.0000°,Azm262.0000° $M_0$1.80000×10^{18}

(248) Philippine Islands region

ISC	**XI**	**03 11 12 20.7–.33**	**10.54N–.02**	**126.92E–.03**	**30–2**	**5.2b,4.7s**	**657**	**2-164**
IDC	XI	03 11 12 16.4–.29	10.50N	126.84E	0	5.0,5.0		**¶601869847**
ISCJB	XI	03 11 12 17.4–.72	10.52N–.02	126.89E–.02	18–5	5.2b,4.8s		
BJI	XI	03 11 12 18.9	10.23N	127.03E	47	5.4b,5.2s		
MAN	XI	03 11 12 18.4	10.65N	126.92E	33	5.8b,5.2s		
MOS	XI	03 11 12 19.5–1.1	10.51N	126.90E	33	5.6b,4.8s		
GCMT	XI	03 11 12 19.7–.10	10.55N–.01	126.88E–.01	12	5.3W,4.8s		
NEIC	XI	03 11 12 21.7–.16	10.52N	126.93E	35	5.5b,4.8s		
DJA	XI	03 11 12 22.1–.60	10N–4.0	127E–3.0	45–6	6.2,5.8b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c131; s124,c214;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.01 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$0.92±.01; $M_{r\theta}$-0.09±.04; $M_{\theta\phi}$-0.28±.01; $M_{\phi r}$0.38±.03; Best double couple: NP1:ϕ_s163.00000°,δ55.00000°,λ-88.00000°. NP2:ϕ_s340.00000°,δ35.00000°,λ-92.00000°. Principal axes: T 1.0870,Plg10.0000° ,Azm252.0000°; N 0.0940,Plg1.0000°,Azm342.0000°; P -1.1790,Plg80.0000°,Azm80.0000° $M_0$1.13300×10^{17}
NEIC Event type se.

(406) Central Mid-Atlantic Ridge

ISC	**XI**	**03 12 58 12.4–.59**	**7.13N–.04**	**34.05W–.05**	**10–3**	**5.4b,5.2s**	**1320**	**13-167**
IDC	XI	03 12 58 09.9–.34	7.16N	34.01W	0	5.1,5.1s		**¶601869850**
MOS	XI	03 12 58 10.7–1.3	7.19N	34.03W	10	5.4b,5.2s		
ISCJB	XI	03 12 58 10.8–.13	7.11N–.03	34.03W–.01	14	5.3b,5.2s		
NEIC	XI	03 12 58 12.2–.14	7.05N	34.07W	10	5.6W,5.6W		
NEIC	XI	03 12 58 12.0–.00	7.17N	34.08W	15	5.6W,5.6W		
GCMT	XI	03 12 58 14.2–.10	7.27N–.01	34.02W–.01	15	5.7W,5.6W		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.35 $M_{r\theta}$-0.66 $M_{\theta\phi}$-2.80 $M_{\phi r}$-0.50 Best double couple: NP1:ϕ_s4.00000° ,δ80.00000°,λ-9.00000°. NP2:ϕ_s96.00000°,δ81.00000°,λ-170.00000°. Principal axes: T 2.7100,Plg1.0000°,Azm230.0000°; N 0.4500,Plg76.0000°,Azm135.0000° ; P -3.1600,Plg14.0000°,Azm320.0000° $M_0$3.00000×10^{17}
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22 $M_{\theta\theta}$0.95 $M_{\phi\phi}$-0.73 $M_{r\theta}$-0.09 $M_{\theta\phi}$-3.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s262.00000° ,δ90.00000°,λ178.00000°. NP2:ϕ_s352.00000°,δ88.00000°,λ0.00000°. Principal axes: T 3.2300,Plg1.0000°,Azm217.0000°; N -0.2200,Plg88.0000°,Azm79.0000° ; P -3.0100,Plg1.0000°,Azm307.0000° $M_0$3.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c214; s135,c397; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.03 $M_{\theta\theta}$0.12±.04; $M_{\phi\phi}$0.11±.04; $M_{r\theta}$0.67±.10; $M_{\theta\phi}$-4.00±.03; $M_{\phi r}$0.01±.11; Best double couple: NP1:ϕ_s270.00000°,δ89.00000° ,λ-170.00000°. NP2:ϕ_s180.00000°,δ80.00000°,λ-1.00000°. Principal axes: T 4.1660,Plg6.0000°,Azm45.0000°; N -0.2220,Plg80.0000°,Azm276.0000° ; P -3.9450,Plg7.0000°,Azm135.0000° $M_0$4.05600×10^{17}

(178) Kermadec Islands

ISC	**XI**	**04 04 16 42.0–.42**	**29.94S–.05**	**177.72W–.08**	**35**	**4.8b,3.4s**	**150**	**1-163**
IDC	XI	04 04 16 36.5–.50	29.72S	177.63W	0	4.7,4.6		**¶601870070**
BJI	XI	04 04 16 38.8	29.90S	177.80W	24	5.5b,5.2b		
ISCJB	XI	04 04 16 40.3–.26	30.06S–.02	177.85W–.06	35	4.7b,3.4s		
NEIC	XI	04 04 16 40.7–1.3	29.87S	177.74W	26–9	4.7b,3.4s		
WEL	XI	04 04 16 40.5–.61	30S–11	178W–20	33	5.4L,3.4s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(262) Celebes Sea

ISC	**XI**	**04 23 46 38.3–.44**	**4.63N–.03**	**125.06E–.04**	**31–2**	**5.1b,4.9s**	**590**	**1-163**
IDC	XI	04 23 46 32.5–.33	4.60N	125.12E	0	4.8,4.8L		**¶601871348**
BJI	XI	04 23 46 34.8	4.20N	125.29E	46	5.2b,5.2s		
GCMT	XI	04 23 46 35.7–.10	4.59N–.01	124.99E–.01	15	5.4W,5.2s		
ISCJB	XI	04 23 46 36.0–.75	4.63N–.02	125.17E–.02	28–5	5.0b,4.8s		
MOS	XI	04 23 46 36.3–1.3	4.67N	125.13E	33	5.2b,4.9s		
MAN	XI	04 23 46 36.4	4.74N	124.57E	15	5.8b,5.2s		
DJA	XI	04 23 46 38.0–.20	5N–2.0	125E–2.0	10	5.9,5.6b		
NEIC	XI	04 23 46 38.7–.59	4.60N	125.08E	37–5	5.3b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=7.4km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c182; s126,c241;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.02 $M_{\theta\theta}$0.49±.02; $M_{\phi\phi}$-0.81±.02; $M_{r\theta}$0.81±.06; $M_{\theta\phi}$1.45±.02; $M_{\phi r}$-0.14±.06; Best double couple: NP1:ϕ_s105.00000°,δ83.00000°,λ29.00000°. NP2:ϕ_s11.00000°,δ61.00000°,λ172.00000°. Principal axes: T 1.7100,Plg25.0000° ,Azm331.0000°; N 0.1900,Plg60.0000°,Azm117.0000°; P -1.9000,Plg15.0000° ,Azm234.0000° $M_0$1.80500×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=166.5.
MOS Error ellipse: s-maj=9.3km s-min=4.9km az=109.1.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.2km az=75.0.

(262) Celebes Sea

ISC	**XI**	**05 00 55 39.9–.41**	**4.66N–.03**	**125.12E–.04**	**40–3**	**4.8b,4.7s**	**348**	**1-163**
MAN	XI	05 00 55 33.0	4.58N	124.63E	2	5.7b,5.1s		**¶601871355**
BJI	XI	05 00 55 35.1	4.26N	125.25E	39	5.2b,4.9s		
GCMT	XI	05 00 55 35.8–.20	4.64N–.01	125.01E–.01	15–1	5.3W,4.9s		
DJA	XI	05 00 55 37.8–.20	5N–2.0	125E–2.0	10	5.5,5.5b		
MOS	XI	05 00 55 37.9–1.2	4.71N	125.15E	42	5.1b,4.7s		
ISCJB	XI	05 00 55 38.2–.36	4.70N–.02	125.22E–.03	42–3	4.8b,4.6s		
NEIC	XI	05 00 55 39.8–.54	4.68N	125.14E	43–5	5.1b,4.6s		
IDC	XI	05 00 55 39.4–2.4	4.70N	125.19E	39–21	4.6,4.6L		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c91; s113,c197;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$0.42±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$0.35±.04; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s113.00000°,δ83.00000°,λ27.00000°. NP2:ϕ_s19.00000°,δ63.00000°,λ172.00000°. Principal axes: T 0.8540,Plg24.0000° ,Azm339.0000°; N 0.2600,Plg62.0000°,Azm127.0000°; P -1.1140,Plg13.0000° ,Azm243.0000° $M_0$0.98400×10^{17}
MOS Error ellipse: s-maj=10.3km s-min=5.8km az=110.9.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.7km az=169.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=72.0.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=77.0.

(262) Celebes Sea

ISC	**XI**	**05 01 01 39.1–.50**	**4.71N–.04**	**125.28E–.08**	**10**	**4.2b**	**51**	**1-122**
ISCJB	XI	05 01 01 36.8–.34	4.60N–.03	125.21E–.06	10	4.4s,4.2b		**¶601871979**
IDC	XI	05 01 01 37.9–.63	4.65N	125.42E	0	4.4,4.4s		
NEIC	XI	05 01 01 41.9–.49	4.57N	125.31E	35	4.0b,4.4s		
MAN	XI	05 01 01 42.8	4.62N	124.26E	36	5.5b,4.8s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.7km az=168.4.
IDC Error ellipse: s-maj=23.9km s-min=13.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.7km az=82.0.

(263) Talaud Islands

ISC	**XI**	**05 04 06 01.9–1.4**	**4.77N–.03**	**125.29E–.07**	**15–9**	**4.1b,3.4s**	**76**	**1-122**
MAN	XI	05 04 05 58.0	4.66N	125.29E	16	5.6b,4.9s		**¶601871360**
IDC	XI	05 04 05 59.3–.61	4.71N	125.28E	0	4.2,4.0		
BJI	XI	05 04 06 01.5	4.60N	125.10E	20	4.6b,4.5b		
ISCJB	XI	05 04 06 02.2–1.6	4.70N–.03	125.25E–.05	31–12	4.2b,3.4s		

NEIC XI 05 04 06 05.1–.82 4.67N 125.20E 42–8 4.1b,3.4s
DJA XI 05 04 06 05.6–2.1 4N–25 125E–6.0 27–22 5.0,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(229) Off east coast of Honshu

ISC	**XI**	**05 04 30 28.0–.28**	**37.82N–.03**	**143.74E–.03**	**32–1**	**5.7b,5.2s**	**1982**	**2-160**
NIED	XI	05 04 30 00	37.80N	143.70E	11	5.5W,5.2s		**¶601871361**
ISCJB	XI	05 04 30 23.4–.54	37.82N–.02	143.64E–.01	7–3	5.6b,5.2s		
IDC	XI	05 04 30 23.3–.39	37.80N	143.74E	0	5.3,5.3		
BJI	XI	05 04 30 24.1	37.87N	143.37E	10	5.8b,5.5s		
JMA	XI	05 04 30 25.9–.10	37.85N	143.65E	47	5.7,5.5s		
NEIC	XI	05 04 30 26.7–1.1	37.79N	143.61E	19–6	5.7b,5.6W		
MOS	XI	05 04 30 26.5–1.2	38.00N	143.62E	28	5.9b,5.2s		
NEIC	XI	05 04 30 26.0–.00	37.78N	143.78E	15	5.9b,5.2s		
GCMT	XI	05 04 30 27.7–.10	37.86N–.01	143.69E–.01	17–0	5.6W,5.2s		

ISC Event type fe.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s29.00000°,δ34.00000°,λ-77.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-99.00000°. M_o1.74000×10^{17}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Felt at Chiba, Tokyo and Tsukuba. Recorded [2 JMA] in Fukushima, Iwate and Miyagi. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$-2.46 $M_{\phi\phi}$3.20 $M_{r\theta}$0.08 $M_{\theta\phi}$1.75 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s61.00000°,δ83.00000° ,λ4.00000°. NP2:ϕ_s331.00000°,δ86.00000°,λ173.00000°. Principal axes: T 3.7800,Plg7.0000°,Azm286.0000°; N -0.8100,Plg82.0000°,Azm122.0000° ; P -2.9600,Plg2.0000°,Azm16.0000° M_o3.40000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.87 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$1.96 $M_{r\theta}$0.09 $M_{\theta\phi}$1.15 $M_{\phi r}$-1.79 Best double couple: NP1:ϕ_s5.00000°,δ66.00000° ,λ-109.00000°. NP2:ϕ_s227.00000°,δ31.00000°,λ-52.00000°. Principal axes: T 3.0200,Plg18.0000°,Azm109.0000°; N -0.3400,Plg18.0000°,Azm13.0000° ; P -2.6800,Plg63.0000°,Azm242.0000° M_o2.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c172; s128,c317;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.58±.04 $M_{\theta\theta}$-1.09±.03; $M_{\phi\phi}$2.67±.03; $M_{r\theta}$0.30±.09; $M_{\theta\phi}$1.32±.03; $M_{\phi r}$1.62±.09; Best double couple: NP1:ϕ_s184.00000°,δ64.00000°,λ-107.00000°. NP2:ϕ_s40.00000°,δ31.00000°,λ-58.00000°. Principal axes: T 3.6040,Plg18.0000° ,Azm287.0000°; N -1.4520,Plg15.0000°,Azm192.0000°; P -2.1520,Plg66.0000° ,Azm63.0000° M_o2.87800×10^{17}

(262) Celebes Sea

ISC	**XI**	**05 08 48 10.1–1.2**	**4.60N–.03**	**125.23E–.06**	**31–9**	**4.5b,3.6s**	**116**	**1-162**
ISCJB	XI	05 08 48 08.2–1.3	4.62N–.03	125.21E–.03	31–10	4.5b,3.7s		**¶601871980**
MAN	XI	05 08 48 09.3	4.78N	124.70E	14	5.7b,5.0s		
DJA	XI	05 08 48 11.2–.50	4N–5.0	125E–5.0	10	5.1b,4.7		
NEIC	XI	05 08 48 11.1–.78	4.62N	125.25E	40–7	4.6b,4.7		
IDC	XI	05 08 48 17.0–1.3	4.58N	125.31E	95–12	4.4,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=160.4.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=59.0.
IDC Error ellipse: s-maj=16.9km s-min=8.9km az=83.0.

(262) Celebes Sea

ISC	**XI**	**05 10 45 58.0–.91**	**4.50N–.07**	**124.8E–.10**	**35**	**3.6b,3.1s**	**18**	**2-123**
MAN	XI	05 10 45 51.5	4.37N	124.58E	9	5.5b,4.7s		**¶602388859**
IDC	XI	05 10 45 53.5–.84	4.40N	124.69E	0	4.4L,4.0		
ISCJB	XI	05 10 45 55.8–.60	4.47N–.04	124.7E–.10	33	3.7b,3.1s		

ISC Event type ke.
ISCJB Event type ke.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**06 01 36 22.3–.42**	**1.30N–.02**	**122.25E–.03**	**32–2**	**5.5b,5.2s**	**1160**	**1-178**
BJI	XI	06 01 36 14.4	1.08N	122.47E	10	5.4b,5.4s		**¶601874878**
NEIC	XI	06 01 36 20.0–.00	1.57N	122.38E	17	5.4b,5.4s		
NEIC	XI	06 01 36 21.6–1.1	1.37N	122.20E	25–7	5.7W,5.7b		
ISCJB	XI	06 01 36 21.2–.62	1.40N–.02	122.26E–.02	33–4	5.5b,5.2s		
MOS	XI	06 01 36 22.4–.91	1.41N	122.29E	49	5.7b,5.0s		
GCMT	XI	06 01 36 22.6–.10	1.58N–.01	122.15E–.01	23–0	5.6W,5.0s		
IDC	XI	06 01 36 24.4–1.6	1.31N	122.22E	52–13	5.3L,5.1		
DJA	XI	06 01 36 25.0–.20	1N–2.0	122E–1.0	51–2	6.0b,5.9		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}2.49 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$-0.08 $M_{r\theta}$-3.43 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s266.00000° ,δ72.00000°,λ87.00000°. NP2:ϕ_s96.00000°,δ18.00000°,λ100.00000°. Principal axes: T 4.2800,Plg62.0000°,Azm170.0000°; N -0.1000,Plg3.0000°,Azm266.0000° ; P -4.1700,Plg27.0000°,Azm358.0000° M_o4.20000×10^{17}
NEIC Event type fe. Felt [IV] at Bolaang, Buol and Gorontalo; [III] at Parigi.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c207; s126,c285; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.30±.05 $M_{\theta\theta}$-2.25±.04; $M_{\phi\phi}$-0.04±.04; $M_{r\theta}$-2.73±.09; $M_{\theta\phi}$0.24±.03; $M_{\phi r}$-0.09±.07; Best double couple: NP1:ϕ_s270.00000°,δ70.00000° ,λ86.00000°. NP2:ϕ_s102.00000°,δ20.00000°,λ101.00000°. Principal axes: T 3.5880,Plg65.0000°,Azm173.0000°; N -0.0480,Plg4.0000°,Azm272.0000° ; P -3.5380,Plg25.0000°,Azm3.0000° M_o3.56300×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**06 01 42 28.9–.54**	**1.35N–.03**	**122.24E–.04**	**59–4**	**5.2s,5.2b**	**457**	**1-164**
BJI	XI	06 01 42 20.5	0.88N	122.60E	34	5.6b,5.3s		**¶601874879**
MOS	XI	06 01 42 25.2–.95	1.39N	122.24E	44	5.4b,5.3s		
ISCJB	XI	06 01 42 27.0–.41	1.38N–.02	122.23E–.02	58–4	5.1b,5.1s		
NEIC	XI	06 01 42 26.3–.12	1.36N	122.17E	35	5.6W,5.4b		
GCMT	XI	06 01 42 26.3–.20	1.65N–.01	122.09E–.01	28–0	5.7W,5.4b		
NEIC	XI	06 01 42 26.0–.00	1.44N	122.14E	17	5.7W,5.4b		
IDC	XI	06 01 42 27.8–1.9	1.34N	122.20E	51–17	5.1L,4.8		
DJA	XI	06 01 42 27.9–.20	1N–2.0	122E–1.0	50–2	5.8b,5.7		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c131; s132,c306;Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.69±.07 $M_{\theta\theta}$-2.47±.05; $M_{\phi\phi}$-0.21±.05; $M_{r\theta}$-2.71±.09; $M_{\theta\phi}$0.21±.03; $M_{\phi r}$-0.08±.10; Best double couple: NP1:ϕ_s270.00000°,δ68.00000°,λ87.00000°. NP2:ϕ_s99.00000°,δ22.00000°,λ98.00000°. Principal axes: T 3.8580,Plg67.0000° ,Azm174.0000°; N -0.2150,Plg3.0000°,Azm272.0000°; P -3.6390,Plg23.0000°,Azm3.0000° M_o3.74800×10^{17}
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$0.04 $M_{r\theta}$-2.11 $M_{\theta\phi}$0.60 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s272.00000° ,δ71.00000°,λ78.00000°. NP2:ϕ_s125.00000°,δ22.00000°,λ122.00000°. Principal axes: T 2.6900,Plg61.0000°,Azm163.0000°; N 0.0800,Plg11.0000°,Azm275.0000° ; P -2.7700,Plg25.0000°,Azm11.0000° M_o2.70000×10^{17}

(421) Carlsberg Ridge

ISC	**XI**	**06 06 17 28.6–.51**	**9.97N–.04**	**57.18E–.03**	**15–2**	**5.6b,5.3s**	**1279**	**12-163**
BJI	XI	06 06 17 19.2	9.37N	56.65E	10	5.8b,5.5s		**¶601874910**
IDC	XI	06 06 17 25.9–.31	9.95N	57.26E	0	5.1,5.1s		
GCMT	XI	06 06 17 25.8–.10	9.92N	57.04E	12	5.6W,5.1s		
ISCJB	XI	06 06 17 25.9–.50	9.97N–.02	57.17E–.01	9–3	5.5b,5.2s		
MOS	XI	06 06 17 26.0–1.1	10.00N	57.15E	10	5.8b,5.2s		
NEIC	XI	06 06 17 27.8–.11	9.96N	57.20E	10	5.7b,5.6W		
OMAN	XI	06 06 17 27.8–3.5	10.02N	57.21E	10	5.7b,5.6W		
NEIC	XI	06 06 17 28.0–.00	9.70N	57.19E	11	5.7b,5.6W		
DSN	XI	06 06 17 28.2–.60	10.16N	57.13E	10	6.0b,5.5s		

ISC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=8.4km az=75.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c199; s144,c416; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.16±.03 $M_{\theta\theta}$3.07±.02; $M_{\phi\phi}$0.09±.03; $M_{r\theta}$1.51±.07; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.27±.07; Best double couple: NP1:ϕ_s272.00000°,δ58.00000° ,λ-99.00000°. NP2:ϕ_s109.00000°,δ33.00000°,λ-76.00000°. Principal axes: T 3.4880,Plg12.0000°,Azm8.0000°; N 0.0640,Plg8.0000°,Azm277.0000° ; P -3.5480,Plg75.0000°,Azm155.0000° M_o3.51800×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=14.4.
MOS Error ellipse: s-maj=5.9km s-min=2.8km az=115.6.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=209.0. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.96 $M_{\theta\theta}$2.04 $M_{\phi\phi}$-0.08 $M_{r\theta}$1.74 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s116.00000°,δ28.00000°,λ-57.00000°. NP2:ϕ_s260.00000° ,δ67.00000°,λ-106.00000°. Principal axes: T 2.6900,Plg20.0000°,Azm1.0000° ; N 0.1200,Plg15.0000°,Azm266.0000°; P -2.8100,Plg65.0000°,Azm143.0000° M_o2.80000×10^{17}
OMAN Error ellipse: s-maj=83.3km s-min=44.4km az=68.0.
NEIC Event type se. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.72 $M_{\theta\theta}$2.47 $M_{\phi\phi}$0.25 $M_{r\theta}$1.95 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.02 Best double couple: NP1:ϕ_s273.00000° ,δ63.00000°,λ-92.00000°. NP2:ϕ_s98.00000°,δ27.00000°,λ-85.00000°. Principal axes: T 3.1400,Plg18.0000°,Azm4.0000°; N 0.2300,Plg2.0000°,Azm273.0000° ; P -3.3700,Plg71.0000°,Azm177.0000° M_o3.30000×10^{17}
DSN Error ellipse: s-maj=11.6km s-min=7.0km az=104.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**XI**	**07 06 26 32.3–.41**	**38.48N–.02**	**46.62E–.01**	**6–2**	**5.5s,5.3b**	**1519**	**0-165**
ISN	XI	07 06 26 26.8–.94	38.63N	46.61E	0–36	5.4L,5.3b		**¶601876350**
AZER	XI	07 06 26 28.0–.05	38.35N	46.45E	12–1	6.0L,5.2b		
ISCJB	XI	07 06 26 30.2–.31	38.38N–.01	46.57E–.01	3–2	5.4s,5.3b		
IDC	XI	07 06 26 30.7–.42	38.42N	46.62E	0	5.3,5.3s		
THR	XI	07 06 26 30.6–.76	38.48N	46.57E	14–5	5.6s,5.0L		
MOS	XI	07 06 26 31.5–1.5	38.41N	46.58E	14	5.4b,5.3s		
TEH	XI	07 06 26 31.2	38.46N	46.57E	10	5.4L,5.3s		
BJI	XI	07 06 26 31.0	38.50N	46.60E	10	5.7s,5.5b		
DSN	XI	07 06 26 32.9–.43	38.26N	46.56E	10	5.7s,5.5b		
NEIC	XI	07 06 26 32.8–.16	38.42N	46.62E	10	5.4W,5.4s		
DDA	XI	07 06 26 32.1	38.48N	46.50E	7	5.2L,5.4s		
GII	XI	07 06 26 32.5–.00	38.58N	46.67E	10	5.2L,5.4s		
GCMT	XI	07 06 26 32.8–.10	38.40N–.01	46.61E–.01	15	5.6W,5.4s		
NNC	XI	07 06 26 33.7–3.4	38.89N	46.66E	0	5.5b,5.4s		

ISC Event type fe.
ISN Error ellipse: s-maj=37.2km s-min=24.7km az=-1.0.
AZER Error ellipse: s-maj=5.8km s-min=1.6km az=229.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=17.3.
IDC Error ellipse: s-maj=10.3km s-min=7.1km az=25.0.
THR Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=3.8km s-min=2.5km az=123.7.
DSN Error ellipse: s-maj=11.1km s-min=5.1km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=184.0. Felt [IV] at Tabriz. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.61 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.32 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s90.00000°,δ64.00000°,λ154.00000°. NP2: ϕ_s192.00000°,δ67.00000°,λ29.00000°. Principal axes: T 1.5400,Plg36.0000°,Azm52.0000° ; N 0.1200,Plg54.0000°,Azm228.0000°; P -1.6600,Plg2.0000°,Azm321.0000° M_o1.60000×10^{17}
DDA Event type ke.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c176; s139,c348; Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.03 $M_{\theta\theta}$-0.46±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$0.27±.09; $M_{\theta\phi}$-2.73±.02; $M_{\phi r}$-0.25±.09; Best double couple: NP1:ϕ_s92.00000°,δ83.00000° ,λ173.00000°. NP2:ϕ_s183.00000°,δ83.00000°,λ7.00000°. Principal axes: T 2.5710,Plg10.0000°,Azm47.0000°; N 0.4030,Plg80.0000°,Azm230.0000° ; P -2.9730,Plg0.0000°,Azm137.0000° M_o2.77200×10^{17}
NNC Event type se. Error ellipse: s-maj=48.6km s-min=28.2km az=40.0.

(694) Central East Pacific Rise

ISC	**XI**	**07 10 46 41.5–.40**	**8.93S–.07**	**108.74W–.09**	**15**	**5.1b**	**670**	**18-152**
IDC	XI	07 10 46 38.8–.74	8.90S	108.98W	0	4.6,4.3		**¶602388956**
ISCJB	XI	07 10 46 39.7–.29	8.91S–.04	108.58W–.04	15	5.0b,4.3s		
GCMT	XI	07 10 46 40.8–.30	9.14S–.02	109.00W–.02	13–1	5.0W,4.3s		
NEIC	XI	07 10 46 40.8–.19	8.96S	108.73W	10	5.1b,4.3s		
BJI	XI	07 10 46 41.0	8.90S	108.70W	10	5.5b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=19.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=5.0km az=22.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c29; s72,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.43±.21 $M_{\theta\theta}$1.93±.14; $M_{\phi\phi}$0.50±.15; $M_{r\theta}$-1.12±.38; $M_{\theta\phi}$2.48±.09; $M_{\phi r}$0.94±.41; Best double couple: NP1:ϕ_s82.00000°,δ57.00000°,λ-48.00000°. NP2:ϕ_s203.00000°,δ52.00000°,λ-136.00000°. Principal axes: T 3.8150,Plg3.0000° ,Azm144.0000°; N -0.3850,Plg34.0000°,Azm236.0000°; P -3.4280,Plg55.0000° ,Azm49.0000° M_o3.62200×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=74.0.

(71) Near coast of Guatemala

ISC	**XI**	**07 16 35 49.3–.16**	**14.03N–.03**	**92.07W–.03**	**39–1**	**7.4s,6.5b**	**2702**	**1-164**
NEIC	XI	07 16 35 46.9–.13	13.99N	91.90W	24	7.5,7.4W		**¶601879562**
IDC	XI	07 16 35 49.3–2.5	14.19N	91.74W	33–17	7.1s,7.1		
MOS	XI	07 16 35 49.0–.84	14.08N	91.83W	53	7.4s,6.6b		
BJI	XI	07 16 35 49.6	14.09N	92.00W	41	7.5,7.5s		
NEIC	XI	07 16 35 50.0–.00	14.18N	91.92W	30	7.5,7.5s		
MEX	XI	07 16 35 50.5–.57	14.03N	92.32W	17–25	7.3,7.5s		
UCR	XI	07 16 35 51.2–1.8	14.11N	91.89W	16–53	7.7b,6.6b		
ISCJB	XI	07 16 35 51.4–.26	14.16N–.01	91.89W–.01	71–2	6.3b,6.6b		
GCMT	XI	07 16 35 55.7–.10	14.11N–.01	92.43W–.01	21–0	7.4W,6.6b		
NEIC	XI	07 16 36 15.9–.00	14.19N	92.03W	30	7.4W,6.6b		

ISC Event type de.
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.2km az=216.0. At least 48 people killed, 155 injured, 100 missing and dozens of buildings damaged in Quetzaltenango and San Marcos. Felt [VII] at Quetzaltenango; [VI] at Antigua Guatemala, Cahabon and Villa Nueva; [V] at Fraijanes, Guatemala, Huehuetenango, Mixco and San Bartolome Milpas Altas; [IV] at Champerico, Coban, Panajachel, San Jose Pinula, Santa Catarina Pinula and Santiago Atitlan. Also felt [VI] at Tapachula; [IV] at Jalapa, Lazaro Cardenas, San Cristobal de Las Casas, Tuxtla Gutierrez and Villahermosa; [III] at Granjas Mexico and Mexico, Mexico. Felt [IV] at San Salvador and Antiguo Cuscatlan and [III] at Ilopango and Nueva San Salvador, El Salvador. Felt [III] at Belize City and Dangriga, Belize. Felt in many parts of Belize, El Salvador, Guatemala, Honduras, Mexico and Nicaragua. A tsunami was recorded with wave heights [in cm] at the following tide stations: 35 at Salina Cruz and 30 at Puerto Chiapas, Mexico; 10 at Acajutla, El Salvador; 7 at Kahului and 6 at Hilo, Hawaii; 5 on Isla Baltra, Galapagos Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ25.00000°,λ90.00000°. NP2: ϕ_s115.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm25.0000° ; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm205.0000°
IDC Error ellipse: s-maj=12.0km s-min=7.4km az=53.0.
MOS Error ellipse: s-maj=6.6km s-min=3.6km az=108.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ72.00000°,λ109.00000°. NP2: ϕ_s260.00000°,δ26.00000°,λ46.00000°. Principal axes: T Plg59.0000°,Azm63.0000° ; N Plg18.0000°,Azm301.0000°; P Plg24.0000°,Azm203.0000°
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ69.00000° ,λ98.00000°. NP2:ϕ_s285.00000°,δ23.00000°,λ70.00000°. Principal axes: T 1.4800,Plg65.0000°,Azm50.0000°; N -0.0300,Plg7.0000°,Azm303.0000° ; P -1.4600,Plg23.0000°,Azm209.0000°
MEX Error ellipse: s-maj=5.6km s-min=6.9km az=-1.0.
UCR Error ellipse: s-maj=11.0km s-min=31.8km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.5km s-min=1.5km az=138.9.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s147,c393; s143,c658; Duration: 11ŝ9 Moment tensor: Scale 10^{20}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$-0.88±.00; $M_{\phi\phi}$-0.22±.00; $M_{r\theta}$0.79±.03; $M_{\theta\phi}$0.41±.00; $M_{\phi r}$-0.53±.03; Best double couple: NP1:ϕ_s121.00000°,δ65.00000° ,λ94.00000°. NP2:ϕ_s291.00000°,δ25.00000°,λ81.00000°. Principal axes: T 1.4680,Plg69.0000°,Azm39.0000°; N -0.0420,Plg4.0000°,Azm299.0000° ; P -1.4260,Plg20.0000°,Azm208.0000° M_o1.44700×10^{20}
NEIC Event type se. Moment Tensor Solution. s173 Moment tensor: Scale 10^{20}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.49 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.52 Best double couple: NP1:ϕ_s291.00000° ,δ30.00000°,λ76.00000°. NP2:ϕ_s128.00000°,δ61.00000°,λ98.00000°. Principal axes: T 1.3800,Plg73.0000°,Azm58.0000°; N -0.0800,Plg7.0000°,Azm304.0000° ; P -1.3000,Plg16.0000°,Azm212.0000° M_o1.30000×10^{20}

(25) Vancouver Island region

ISC	**XI**	**08 02 01 49.7–.41**	**49.13N–.03**	**128.54W–.03**	**11–2**	**6.1s,5.7b**	**1997**	**1-161**
PGC	XI	08 02 01 45.5–6.0	49.01N	128.85W	10	6.3W,5.9W		**¶601880080**
IDC	XI	08 02 01 47.0–.35	49.14N	128.65W	0	5.9,5.9s		
ISCJB	XI	08 02 01 47.4–.46	49.19N–.01	128.44W–.02	4–3	6.0s,5.6b		
BJI	XI	08 02 01 48.8	49.18N	128.51W	18	6.3s,6.1		
MOS	XI	08 02 01 48.1–.97	49.18N	128.55W	13	6.0s,5.6b		
GCMT	XI	08 02 01 50.6–.10	48.90N–.01	128.85W–.01	12	6.2W,5.6b		
NEIC	XI	08 02 01 50.6–.50	49.23N	128.48W	14–3	6.7,6.1W		

NEIC XI 08 02 01 51.0–.00 49.18N 128.68W 19 6.7,6.1W
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 213km Wsw of Gold R., Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=10.6km s-min=6.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=39.7.
MOS Error ellipse: s-maj=6.2km s-min=3.3km az=109.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c295; s149,c437; Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$-1.92±.01; $M_{\phi\phi}$2.07±.01; $M_{r\theta}$-0.53±.03; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$-0.39±.03; Best double couple: NP1:ϕ_s39.00000°,δ85.00000° ,λ-18.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ-174.00000°. Principal axes: T 2.1580,Plg9.0000°,Azm86.0000°; N -0.0330,Plg72.0000°,Azm202.0000° ; P -2.1240,Plg16.0000°,Azm353.0000° $M_0$2.14100×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=1.5km az=47.0. Felt [III] at Vancouver and [II] at Nanaimo. Also felt at Chilliwack, Gold River, Victoria and White Rock. Felt at Hammond, Oregon and at Camano Island, Olympia, Port Angeles, Port Townsend, Poulsbo, Rochester, Seattle and Yelm, Washington. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$0.95000×10^{18} Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.06 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$1.52 $M_{r\theta}$-0.21 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s125.00000° ,δ85.00000°,λ-175.00000°. NP2:ϕ_s34.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 1.6200,Plg1.0000°,Azm80.0000°; N 0.0900,Plg83.0000°,Azm175.0000° ; P -1.7100,Plg7.0000°,Azm350.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ85.00000°,λ175.00000°. NP2: ϕ_s220.00000°,δ85.00000°,λ5.00000°. Principal axes: T Plg7.0000°,Azm85.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm175.0000°
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$2.02 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s311.00000° ,δ81.00000°,λ-169.00000°. NP2:ϕ_s219.00000°,δ80.00000°,λ-9.00000°. Principal axes: T 2.0500,Plg0.0000°,Azm85.0000°; N -0.0700,Plg76.0000°,Azm351.0000° ; P -1.9800,Plg13.0000°,Azm175.0000° $M_0$2.00000×10^{18}

(425) South Indian Ocean

ISC	**XI**	**08 03 24 29.4–.28**	**36.19S–.06**	**53.29E–.07**	**14**	**5.0b**	**710**	**15-173**
IDC	XI	08 03 24 26.5–.38	36.13S	53.42E	0	4.7,4.7		**¶601880087**
ISCJB	XI	08 03 24 27.5–.21	36.22S–.04	53.45E–.06	14	4.9b,4.7		
BJI	XI	08 03 24 27.0	36.30S	53.40E	10	5.5b,5.4s		
MOS	XI	08 03 24 27.0–1.2	36.16S	53.43E	10	5.3b,5.4s		
NEIC	XI	08 03 24 28.3–.99	36.13S	53.50E	6–5	5.1b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.6km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=151.8.
MOS Error ellipse: s-maj=14.1km s-min=6.8km az=101.7.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.9km az=50.0.

(173) Tonga Islands

ISC	**XI**	**08 17 56 41.9–.46**	**18.61S–.07**	**173.30W–.09**	**31**	**5.0b,4.5s**	**197**	**3-152**
IDC	XI	08 17 56 37.7–.64	18.76S	173.34W	0	4.6,4.5		**¶601881320**
NEIC	XI	08 17 56 38.5–7.3	18.81S	173.33W	11–45	5.1b,4.5		
BJI	XI	08 17 56 38.6	18.65S	173.32W	15	5.5b,5.3s		
ISCJB	XI	08 17 56 40.1–.23	18.86S–.06	173.36W–.05	31	4.8b,4.5s		
GCMT	XI	08 17 56 42.5–.20	19.02S–.02	172.61W–.01	12	5.1W,4.5s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c58; s94,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.49±.10 $M_{\theta\theta}$-1.59±.10; $M_{\phi\phi}$-2.90±.09; $M_{r\theta}$1.97±.36; $M_{\theta\phi}$-1.91±.09; $M_{\phi r}$1.10±.33; Best double couple: NP1:ϕ_s46.00000°,δ58.00000°,λ101.00000°. NP2:ϕ_s206.00000°,δ33.00000°,λ73.00000°. Principal axes: T 5.1080,Plg74.0000° ,Azm345.0000°; N -0.3820,Plg9.0000°,Azm220.0000°; P -4.7260,Plg13.0000° ,Azm128.0000° $M_0$4.91700×10^{16}

(278) Bali Sea

ISC	**XI**	**09 15 07 50.6–.25**	**8.01S–.03**	**117.59E–.04**	**35**	**5.2b,4.1s**	**351**	**1-156**
IDC	XI	09 15 07 45.7–.35	7.94S	117.51E	0	5.0,5.0		**¶601882843**
ISCJB	XI	09 15 07 49.4–.13	7.92S–.02	117.62E–.02	33	5.1b,4.1s		
BJI	XI	09 15 07 49.0	7.90S	117.60E	31	5.2b,5.1b		
GCMT	XI	09 15 07 50.0–.30	7.96S–.02	117.55E–.04	21–0	4.9W,5.1b		
MOS	XI	09 15 07 50.2–.96	7.89S	117.57E	43	5.5b,5.1b		
DJA	XI	09 15 07 50.8–.30	8S–2.0	118E–1.0	19–3	6.1,5.5b		
KLM	XI	09 15 07 51.0	7.97S	117.65E	40	5.2b,5.5b		
NEIC	XI	09 15 07 51.0–.20	7.95S	117.61E	35	5.3b,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=9.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=29.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c43; s67,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.33±.16 $M_{\theta\theta}$-2.59±.09; $M_{\phi\phi}$0.25±.11; $M_{r\theta}$-0.08±.15; $M_{\theta\phi}$-0.25±.07; $M_{\phi r}$0.23±.28; Best double couple: NP1:ϕ_s272.00000°,δ46.00000°,λ99.00000°. NP2:ϕ_s79.00000°,δ45.00000°,λ81.00000°. Principal axes: T 2.3580,Plg83.0000° ,Azm259.0000°; N 0.2500,Plg7.0000°,Azm85.0000°; P -2.6120,Plg1.0000°,Azm355.0000° $M_0$2.48500×10^{16}
MOS Error ellipse: s-maj=8.7km s-min=5.8km az=111.7.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=221.0.

(277) Jawa

ISC	**XI**	**10 06 05 27.6–.57**	**7.51S–.04**	**106.67E–.03**	**60–4**	**5.1b,4.1s**	**1167**	**1-177**
BJI	XI	10 06 05 25.0	7.50S	106.70E	51	5.1b,5.1b		**¶601883263**
DJA	XI	10 06 05 25.1–.50	8S–3.0	106E–2.0	21–5	5.6,5.5b		
MOS	XI	10 06 05 27.9–.99	6.85S	106.59E	52	5.3b,5.5b		
ISCJB	XI	10 06 05 27.5–.33	7.37S–.03	106.74E–.02	73–2	5.0b,5.5b		
KLM	XI	10 06 05 27.0	7.87S	106.55E	48	5.0b,5.5b		
NEIC	XI	10 06 05 27.2–.64	7.37S	106.67E	50–5	5.1b,5.5b		
GCMT	XI	10 06 05 28.2–.30	7.94S–.02	106.68E–.02	48–1	5.0W,5.5b		
IDC	XI	10 06 05 29.9–.86	7.36S	106.72E	78–6	5.0,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.6km az=33.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=223.0. Felt [II] at Bandung and Cianjur. Also felt at Batujajar, Caringin, Cimenyan, Parongpong and Parung.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c71; s59,c77;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.20 $M_{\theta\theta}$-4.59±.14; $M_{\phi\phi}$1.56±.19; $M_{r\theta}$1.85±.12; $M_{\theta\phi}$0.08±.13; $M_{\phi r}$0.10±.15; Best double couple: NP1:ϕ_s88.00000°,δ58.00000°,λ86.00000°. NP2:ϕ_s275.00000°,δ32.00000°,λ96.00000°. Principal axes: T 3.4720,Plg77.0000° ,Azm345.0000°; N 1.5540,Plg3.0000°,Azm90.0000°; P -5.0150,Plg13.0000°,Azm181.0000° $M_0$4.24400×10^{16}
IDC Error ellipse: s-maj=10.4km s-min=8.0km az=51.0.

(287) Sumba region

ISC	**XI**	**10 09 06 53.7–.25**	**8.99S–.04**	**120.65E–.03**	**26**	**4.9b,4.1s**	**367**	**1-153**
BJI	XI	10 09 06 50.4	8.90S	120.60E	10	5.0b,4.9b		**¶601883726**
NEIC	XI	10 09 06 51.3–.18	8.89S	120.68E	10	5.0b,4.9b		
MOS	XI	10 09 06 51.9–1.4	8.79S	120.84E	25	5.1b,4.9b		
ISCJB	XI	10 09 06 52.1–.16	8.95S–.02	120.69E–.02	26	4.8b,4.1s		
DJA	XI	10 09 06 55.3–1.0	9S–2.0	121E–1.0	11–8	5.5b,5.4		
KLM	XI	10 09 06 56.0	9.24S	120.69E	53	5.2b,5.4		
GCMT	XI	10 09 06 57.3–.30	9.06S–.02	120.71E–.03	25–1	5.0W,5.4		
IDC	XI	10 09 06 59.1–1.5	8.80S	120.76E	72–13	4.7,4.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=41.0. Felt [III] at Ruteng. Also felt [III] at Waingapu, Sumba.
MOS Error ellipse: s-maj=11.2km s-min=6.3km az=119.5.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=30.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s77,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.54±.20 $M_{\theta\theta}$-1.42±.12; $M_{\phi\phi}$-0.11±.15; $M_{r\theta}$1.28±.27; $M_{\theta\phi}$2.53±.08; $M_{\phi r}$1.31±.32; Best double couple: NP1:ϕ_s91.00000°,δ64.00000°,λ35.00000°. NP2:ϕ_s344.00000°,δ59.00000°,λ149.00000°. Principal axes: T 3.5200,Plg43.0000° ,Azm309.0000°; N -0.1270,Plg47.0000°,Azm124.0000°; P -3.3920,Plg3.0000° ,Azm217.0000° $M_0$3.45600×10^{16}
IDC Error ellipse: s-maj=13.5km s-min=9.3km az=71.0.

(248) Philippine Islands region

ISC	**XI**	**10 13 39 45.9–1.7**	**20.45N–.04**	**122.53E–.05**	**5–11**	**4.0b,3.4s**	**193**	**1-75**
NIED	XI	10 13 39 00	20.50N	122.40E	8	4.4W,3.4s		**¶601897584**
MAN	XI	10 13 39 44.8	20.50N	122.48E	31	5.5b,4.8s		
TAP	XI	10 13 39 47.8	20.50N	122.61E	53–1	5.1L,4.8s		
NEIC	XI	10 13 39 47.9–.55	20.47N	122.39E	10	4.2b,4.8s		
IDC	XI	10 13 39 47.9–1.4	20.62N	122.30E	0	4.8L,4.1		
JMA	XI	10 13 39 49.4–.40	20.53N	122.43E	73	4.8,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s107.00000°,δ36.00000°,λ-23.00000°. NP2:ϕ_s216.00000°,δ77.00000°,λ-124.00000°. $M_0$5.24000×10^{15}
TAP D.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=6.4km az=104.0. Felt [IV PIVS] at Uyugan and [III PIVS] at Basco.
IDC Error ellipse: s-maj=31.0km s-min=20.1km az=127.0.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.

(68) Off coast of Chiapas

ISC	**XI**	**10 17 15 09.6–.40**	**13.94N–.05**	**92.29W–.05**	**38–1**	**5.0b,4.6s**	**550**	**1-153**
GCMT	XI	10 17 15 07.9–.20	13.79N–.01	92.65W–.02	12	5.2W,4.6s		**¶602389166**
NEIC	XI	10 17 15 09.9–.42	13.82N	92.22W	42–3	5.2,5.1b		
UCR	XI	10 17 15 09.0–1.3	15.42N	91.86W	36	5.2b,4.3L		
IDC	XI	10 17 15 09.2–2.9	13.96N	92.05W	33–20	4.6,4.6		
MOS	XI	10 17 15 09.1–1.1	13.96N	92.20W	42	5.2b,4.6		
ISCJB	XI	10 17 15 09.0–.44	13.83N–.02	92.27W–.02	49–3	5.0b,4.7s		
BJI	XI	10 17 15 10.1	13.80N	92.20W	39	5.5b,5.5s		
MEX	XI	10 17 15 15.5–.70	14.23N	92.50W	17–103	5.2,5.5s		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c70; s99,c151;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.31±.14 $M_{\theta\theta}$-4.64±.12; $M_{\phi\phi}$-1.66±.14; $M_{r\theta}$3.46±.40; $M_{\theta\phi}$2.60±.11; $M_{\phi r}$-3.86±.49; Best double couple: NP1:ϕ_s131.00000°,δ65.00000°,λ99.00000°. NP2:ϕ_s290.00000°,δ27.00000°,λ71.00000°. Principal axes: T 8.2970,Plg69.0000° ,Azm59.0000°; N -0.3890,Plg8.0000°,Azm307.0000°; P -7.8980,Plg20.0000°,Azm214.0000° $M_0$8.09700×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=223.0.
UCR Error ellipse: s-maj=16.7km s-min=14.7km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=9.6km az=55.0.
MOS Error ellipse: s-maj=11.8km s-min=5.2km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=44.8.
MEX Error ellipse: s-maj=88.1km s-min=7.2km az=-1.0.

(307) Sichuan

ISC	**XI**	**11 00 59 00.2–1.0**	**29.36N–.03**	**105.32E–.03**	**7–6**	**4.8b**	**311**	**2-172**
ISCJB	XI	11 00 58 58.8–.79	29.34N–.02	105.27E–.03	8–5	5.6s,4.6b		**¶601883758**
MOS	XI	11 00 59 00.3–.90	29.28N	105.30E	21	5.0b,4.6b		
NEIC	XI	11 00 59 00.5–.17	29.34N	105.25E	10	4.9b,4.6L		
BJI	XI	11 00 59 00.3	29.31N	105.24E	12	4.8b,4.6L		
IDC	XI	11 00 59 02.2–3.9	29.30N	105.28E	22–25	4.4,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=164.8.
MOS Error ellipse: s-maj=8.1km s-min=5.0km az=120.1.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.8km az=64.0.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=60.0.

(296) Myanmar

ISC	**XI**	**11 01 12 39.2–.36**	**22.89N–.02**	**95.85E–.02**	**14–2**	**6.7s,6.1b**	**1771**	**3-167**
IDC	XI	11 01 12 36.6–.28	23.08N	95.81E	0	6.5s,6.5		**¶601885134**
BJI	XI	11 01 12 36.9	22.88N	95.91E	10	7.0,7.0s		
NEIC	XI	11 01 12 38.0–.00	23.03N	95.71E	13	7.0,7.0s		
ISCJB	XI	11 01 12 38.8–.08	22.99N–.01	95.86E–.01	24	6.7s,6.0b		
NEIC	XI	11 01 12 38.9–.59	23.01N	95.89E	14–3	7.1,6.8W		
MOS	XI	11 01 12 38.5–1.0	22.93N	95.85E	27	6.6s,6.2b		
NDI	XI	11 01 12 39.1–2.9	23.04N	95.91E	14	6.3b,6.3b		
GCMT	XI	11 01 12 54.9–.00	22.73N	96.03E	17–0	6.8W,6.3b		
NEIC	XI	11 01 13 07.4–.00	22.76N	95.71E	10	6.8W,6.3b		

ISC Event type de.
IDC Error ellipse: s-maj=8.3km s-min=6.9km az=59.0.
NEIC Event type se. Moment Tensor Solution. s45 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.02 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.89 $M_{\theta\phi}$2.09 $M_{\phi r}$-0.22 Best double couple: NP1:ϕ_s271.00000° ,δ86.00000°,λ-23.00000°. NP2:ϕ_s3.00000°,δ67.00000°,λ-176.00000°. Principal axes: T 2.2200,Plg13.0000°,Azm319.0000°; N 0.1200,Plg66.0000°,Azm83.0000° ; P -2.3500,Plg18.0000°,Azm224.0000° $M_0$2.30000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=2.2km s-min=1.5km az=36.2.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.6km az=220.0. At least 26 people killed, 230 injured, 251 homes destroyed, 207 buildings damaged, a bridge and mines collapsed and landslides occurred in the Shwebo area. Felt [VII] at Shwebo and [III] at Male and Mandalay. Also felt at Mogok, Pyinmana, Rangoon and Taunggyi. Felt [IV] at Mae Hong Son; [III] at Bangkok, Khlong Toei and Wang Thonglang; [II] at Ban Pa Lan and Chiang Mai, Thailand. Felt widely in northern Thailand. Also felt at Kunming, China and at Aizawl, Dibrugarh and Kohima, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s106.00000°,δ85.00000°,λ10.00000°. NP2: ϕ_s15.00000°,δ80.00000°,λ175.00000°. Principal axes: T Plg11.0000°,Azm331.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm240.0000°
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=117.7.
NDI Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c374; s147,c675; Duration: 6s5 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.08±.01; $M_{r\theta}$1.36±.04; $M_{\theta\phi}$1.93±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s91.00000°,δ88.00000° ,λ35.00000°. NP2:ϕ_s0.00000°,δ55.00000°,λ178.00000°. Principal axes: T 2.4740,Plg25.0000°,Azm321.0000°; N -0.2220,Plg55.0000°,Azm94.0000° ; P -2.2510,Plg23.0000°,Azm220.0000° $M_0$2.36300×10^{19}
NEIC Event type se. Moment Tensor Solution. s146 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.02 $M_{r\theta}$0.11 $M_{\theta\phi}$1.92 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s271.00000° ,δ74.00000°,λ-5.00000°. NP2:ϕ_s2.00000°,δ85.00000°,λ-164.00000°. Principal axes: T 2.0600,Plg8.0000°,Azm135.0000°; N -0.1100,Plg73.0000°,Azm19.0000° ; P -1.9600,Plg15.0000°,Azm227.0000° $M_0$2.00000×10^{19}

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ISC	**XI**	**11 01 21 19.1–.45**	**22.99N–.07**	**96.11E–.06**	**32**	**4.8b**	**57**	**4-151**
IDC	XI	11 01 21 14.0–.62	22.87N	95.89E	0	6.3,6.3s		**¶601991681**
ISCJB	XI	11 01 21 16.6–.31	22.83N–.05	95.99E–.06	32	6.2s,4.6b		
NEIC	XI	11 01 21 16.5–3.1	22.81N	95.93E	18–20	4.9b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=12.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.6km az=53.0.

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ISC	**XI**	**11 01 30 02.5–.29**	**22.85N–.03**	**95.83E–.03**	**32**	**4.8b**	**222**	**3-151**
BJI	XI	11 01 29 58.0	22.80N	95.90E	13	5.2L,5.0b		**¶601883761**
NEIC	XI	11 01 29 58.7–.18	22.79N	95.92E	10	4.8b,5.0b		
IDC	XI	11 01 29 59.9–3.0	22.81N	95.93E	19–19	4.7L,4.4		
NDI	XI	11 01 29 59.6–3.1	22.75N	95.91E	19–27	4.8b,4.8b		
MOS	XI	11 01 29 59.4–.88	22.77N	95.91E	29	5.1b,4.8b		
ISCJB	XI	11 01 30 00.4–.18	22.84N–.02	95.84E–.02	32	6.4s,4.7b		

ISC Event type fe.
NEIC Event type fe. Felt at Shwebo.
ISCJB Event type fe.

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ISC	**XI**	**11 01 32 27.2–.31**	**22.72N–.04**	**95.85E–.04**	**10**	**4.8b**	**188**	**3-151**
BJI	XI	11 01 32 24.3	22.58N	95.82E	9	5.1b,5.1L		**¶602389192**
IDC	XI	11 01 32 25.4–.45	22.74N	95.81E	0	5.7s,5.7		
ISCJB	XI	11 01 32 25.4–.21	22.67N–.03	95.84E–.02	10	5.7s,4.7b		
NDI	XI	11 01 32 27.3–3.0	22.65N	95.89E	14	4.9b,4.9b		
MOS	XI	11 01 32 27.7–.94	22.72N	95.85E	29	4.8b,4.9b		
NEIC	XI	11 01 32 27.6–2.1	22.68N	95.84E	14–13	4.9b,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=29.0.
NDI Error ellipse: s-maj=9.0km s-min=15.8km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=6.2km az=106.4.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.2km az=225.0.

(184) Santa Cruz Islands

ISC	**XI**	**11 02 55 39.9–.59**	**11.58S–.05**	**166.42E–.05**	**56–4**	**5.3s,4.9b**	**330**	**7-165**
MOS	XI	11 02 55 35.2–1.2	11.47S	166.21E	27	5.1b,4.9b		**¶601991687**

IDC	XI	11 02 55 38.2–1.9	11.59S	166.47E	47–16	5.0L,4.9			
ISCJB	XI	11 02 55 40.2–1.3	11.61S–.03	166.24E–.03	67–11	4.8b,4.9			
NEIC	XI	11 02 55 43.0–.97	11.62S	166.23E	82–8	4.9b,4.9			
BJI	XI	11 02 55 43.5	11.13S	166.54E	93	5.5b,5.0b			

ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=8.9km az=68.0.
IDC Error ellipse: s-maj=14.7km s-min=10.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.3km az=41.1.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=137.0.

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ISC	**XI**	**11 10 54 43.4–.43**	**22.70N–.03**	**95.77E–.02**	**17–2**	**5.9s,5.6b**	**947**	**3-167**	
ISCJB	XI	11 10 54 39.1–.57	22.74N–.02	95.83E–.02	1–3	5.9s,5.5b			**¶601883941**
BJI	XI	11 10 54 40.8	22.69N	95.91E	10	6.3L,6.2			
IDC	XI	11 10 54 41.9–2.0	22.73N	95.84E	12–12	5.7s,5.7			
NEIC	XI	11 10 54 41.4–.10	22.72N	95.83E	6	6.0,5.8W			
NEIC	XI	11 10 54 42.0–.00	22.56N	95.90E	11	6.0,5.8W			
GCMT	XI	11 10 54 42.3–.10	22.60N–.01	96.05E–.01	12	5.9W,5.8W			
NDI	XI	11 10 54 42.7–2.7	22.54N	95.93E	33–36	5.8L,5.7b			
MOS	XI	11 10 54 43.0–1.1	22.71N	95.83E	31	5.8b,5.8s			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=38.7.
IDC Error ellipse: s-maj=10.5km s-min=7.8km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=54.0. Felt at Chaunggyi. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.66 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-0.65 $M_{r\theta}$-0.62 $M_{\theta\phi}$5.19 $M_{\phi r}$0.54 Best double couple: NP1: ϕ_s184.00000°,δ83.00000°,λ-174.00000°. NP2:ϕ_s94.00000°,δ84.00000°,λ-7.00000°. Principal axes: T 5.3400,Plg1.0000°,Azm139.0000°; N -0.0700,Plg81.0000°,Azm237.0000° ; P -5.2800,Plg9.0000°,Azm49.0000° $M_0$5.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s262.00000°,δ81.00000°,λ-20.00000°. NP2: ϕ_s355.00000°,δ70.00000°,λ-170.00000°. Principal axes: T Plg7.0000°,Azm310.0000° ; N Plg0.0000°,Azm0.0000°; P Plg21.0000°,Azm217.0000°
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.79 $M_{r\theta}$2.40 $M_{\theta\phi}$5.58 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s85.00000°,δ87.00000° ,λ23.00000°. NP2:ϕ_s354.00000°,δ67.00000°,λ176.00000°. Principal axes: T 5.9600,Plg18.0000°,Azm312.0000°; N 0.4600,Plg66.0000°,Azm92.0000° ; P -6.4200,Plg13.0000°,Azm217.0000° $M_0$6.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c240; s135,c414; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.06 $M_{\theta\theta}$-0.31±.07; $M_{\phi\phi}$0.02±.07; $M_{r\theta}$2.06±.16; $M_{\theta\phi}$7.73±.05; $M_{\phi r}$2.38±.17; Best double couple: NP1:ϕ_s358.00000°,δ77.00000° ,λ164.00000°. NP2:ϕ_s91.00000°,δ75.00000°,λ14.00000°. Principal axes: T 8.7550,Plg20.0000°,Azm314.0000°; N -0.8740,Plg70.0000°,Azm139.0000° ; P -7.8800,Plg1.0000°,Azm45.0000° $M_0$8.31700×10^{17}
NDI Error ellipse: s-maj=18.9km s-min=22.4km az=-1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=113.9.

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ISC	**XI**	**11 18 19 44.7–.42**	**23.20N–.03**	**95.80E–.02**	**20–2**	**5.5b,5.3s**	**961**	**3-167**	
IDC	XI	11 18 19 40.6–.31	23.11N	95.88E	0	5.7L,5.2			**¶601885138**
BJI	XI	11 18 19 41.0	23.10N	95.96E	14	6.0L,5.9b			
NEIC	XI	11 18 19 42.0–.00	22.81N	95.66E	11	6.0L,5.9b			
GCMT	XI	11 18 19 43.1–.10	23.06N–.01	96.07E–.01	20–0	5.6W,5.9b			
ISCJB	XI	11 18 19 43.7–.63	23.21N–.02	95.77E–.02	27–4	5.4b,5.3s			
MOS	XI	11 18 19 44.4–1.4	23.20N	95.81E	33	5.7b,5.1s			
NDI	XI	11 18 19 45.9–3.0	23.18N	95.86E	28	5.6b,5.5b			
NEIC	XI	11 18 19 45.1–1.5	23.13N	95.87E	28–10	5.5W,5.5W			

ISC Event type fe.
IDC Error ellipse: s-maj=9.1km s-min=7.1km az=84.0.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-0.38 $M_{r\theta}$0.31 $M_{\theta\phi}$1.91 $M_{\phi r}$0.19 Best double couple: NP1:ϕ_s94.00000°,δ82.00000° ,λ10.00000°. NP2:ϕ_s3.00000°,δ80.00000°,λ172.00000°. Principal axes: T 1.8900,Plg12.0000°,Azm319.0000°; N 0.1600,Plg77.0000°,Azm131.0000° ; P -2.0500,Plg1.0000°,Azm228.0000° $M_0$2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c154; s118,c240;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.03 $M_{\theta\theta}$-0.00±.03; $M_{\phi\phi}$-0.12±.04; $M_{r\theta}$1.04±.08; $M_{\theta\phi}$2.68±.03; $M_{\phi r}$0.72±.07; Best double couple: NP1:ϕ_s93.00000°,δ78.00000°,λ20.00000°. NP2:ϕ_s358.00000°,δ71.00000°,λ167.00000°. Principal axes: T 3.1340,Plg23.0000° ,Azm317.0000°; N -0.3710,Plg67.0000°,Azm124.0000°; P -2.7630,Plg5.0000° ,Azm225.0000° $M_0$2.94900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=31.6.
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=116.5.
NDI Error ellipse: s-maj=7.4km s-min=12.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=216.0. Felt at Mogok. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$0.07 $M_{r\theta}$0.58 $M_{\theta\phi}$1.81 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s90.00000°,δ85.00000°,λ17.00000°. NP2: ϕ_s358.00000°,δ73.00000°,λ175.00000°. Principal axes: T 1.9900,Plg16.0000°,Azm315.0000° ; N -0.1500,Plg72.0000°,Azm104.0000°; P -1.8400,Plg9.0000°,Azm223.0000° $M_0$1.90000×10^{17}

(192) New Britain region

ISC	**XI**	**11 21 33 07.7–.60**	**5.51S–.04**	**151.82E–.04**	**53–5**	**5.2b,4.7s**	**711**	**1-157**	
IDC	XI	11 21 33 05.0–2.0	5.44S	151.78E	28–13	4.8,4.8			**¶601991730**
MOS	XI	11 21 33 05.2–.92	5.28S	151.63E	33	5.5b,4.8			
ISCJB	XI	11 21 33 05.4–.73	5.48S–.03	151.65E–.02	38–6	5.2b,4.7s			
BJI	XI	11 21 33 07.3	5.65S	151.98E	80	5.2b,5.1b			
NEIC	XI	11 21 33 07.7–.72	5.45S	151.69E	50–6	5.3b,5.1b			
GCMT	XI	11 21 33 08.7–.20	5.76S–.01	151.77E–.02	31–0	5.3W,5.1b			
DJA	XI	11 21 33 17.7–.80	5S–4.0	152E–5.0	132–8	5.7b,5.2			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kokopo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c130; s69,c109;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.78±.02 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.05±.03; Best double couple: NP1:ϕ_s87.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s244.00000°,δ30.00000°,λ70.00000°. Principal axes: T 0.9590,Plg71.0000° ,Azm22.0000°; N 0.0290,Plg10.0000°,Azm261.0000°; P -0.9880,Plg16.0000°,Azm168.0000° $M_0$0.97300×10^{17}

(69) Near coast of Chiapas

ISC	**XI**	**11 22 14 59.1–.43**	**14.07N–.03**	**92.33W–.03**	**19–1**	**6.3s,5.8b**	**1879**	**1-160**	
UCR	XI	11 22 14 50.1–1.5	14.52N	93.10W	38–108	6.4b,5.5b			**¶601884078**
MEX	XI	11 22 14 57.2–2.0	13.75N	92.45W	18–24	6.2,5.5b			
NEIC	XI	11 22 14 59.2–.14	14.13N	92.16W	20	6.5W,6.4W			
IDC	XI	11 22 15 00.8–2.5	14.19N	92.14W	34–18	6.1s,6.1			
MOS	XI	11 22 15 00.7–1.1	14.32N	92.09W	36	6.3s,5.8b			
BJI	XI	11 22 15 00.2	14.21N	92.17W	30	6.5,6.5s			
NEIC	XI	11 22 15 01.0–.00	14.11N	92.23W	15	6.5,6.5s			
ISCJB	XI	11 22 15 02.6–.28	14.22N–.01	92.15W–.01	60–2	5.7b,6.5s			
GCMT	XI	11 22 15 06.2–.10	13.94N	92.68W	12	6.4W,6.5s			
NEIC	XI	11 22 15 25.3–.00	14.20N	92.30W	21	6.4W,6.5s			

ISC Event type fe.
UCR Error ellipse: s-maj=31.0km s-min=62.4km az=-1.0.
MEX Error ellipse: s-maj=6.6km s-min=6.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=213.0. Felt [III] at Cahabon, El Palmar, Guatemala, Ocos and Villa Nueva; [II] at Mixco. Felt widely in southern Guatemala. Felt [II] at San Salvador, El Salvador. Also felt at Delgado. Felt at Huixtla, La Concordia, San Cristobal de Las Casas, Tapachula and Tuxtla Gutierrez, Mexico. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.06 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s65 Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.58 $M_{\theta\phi}$0.23 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s107.00000° ,δ70.00000°,λ93.00000°. NP2:ϕ_s277.00000°,δ20.00000°,λ81.00000°. Principal axes: T 2.2600,Plg65.0000°,Azm23.0000°; N -0.1600,Plg3.0000°,Azm286.0000° ; P -2.1000,Plg25.0000°,Azm195.0000° $M_0$2.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s285.00000°,δ15.00000°,λ90.00000°. NP2: ϕ_s105.00000°,δ75.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm15.0000° ; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm195.0000°
IDC Error ellipse: s-maj=15.9km s-min=9.6km az=56.0.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=105.0.
NEIC Event type se. Moment Tensor Solution. s79 Moment tensor: Scale 10^{18}Nm; M_{rr}3.36 $M_{\theta\theta}$-2.53 $M_{\phi\phi}$-0.83 $M_{r\theta}$6.04 $M_{\theta\phi}$1.07 $M_{\phi r}$-2.56 Best double couple: NP1:ϕ_s113.00000° ,δ77.00000°,λ89.00000°. NP2:ϕ_s298.00000°,δ13.00000°,λ94.00000°. Principal axes: T 7.4600,Plg57.0000°,Azm21.0000°; N -0.3100,Plg0.0000°,Azm113.0000° ; P -7.1500,Plg31.0000°,Azm204.0000° $M_0$7.30000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=136.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c348; s137,c567; Duration: 4s0 Moment tensor: Scale 10^{18}Nm; M_{rr}3.30±.02 $M_{\theta\theta}$-3.04±.01; $M_{\phi\phi}$-0.25±.02; $M_{r\theta}$3.66±.04; $M_{\theta\phi}$1.24±.01; $M_{\phi r}$-2.21±.05; Best double couple: NP1:ϕ_s119.00000°,δ71.00000° ,λ96.00000°. NP2:ϕ_s282.00000°,δ20.00000°,λ74.00000°. Principal axes: T 5.3990,Plg64.0000°,Azm38.0000°; N 0.1470,Plg5.0000°,Azm297.0000° ; P -5.5370,Plg26.0000°,Azm204.0000° $M_0$5.46800×10^{18}
NEIC Event type se. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}3.76 $M_{\theta\theta}$-3.23 $M_{\phi\phi}$-0.53 $M_{r\theta}$3.79 $M_{\theta\phi}$1.20 $M_{\phi r}$-2.43 Best double couple: NP1:ϕ_s283.00000° ,δ21.00000°,λ74.00000°. NP2:ϕ_s120.00000°,δ70.00000°,λ96.00000°. Principal axes: T 5.9200,Plg64.0000°,Azm39.0000°; N -0.1600,Plg6.0000°,Azm298.0000° ; P -5.7600,Plg25.0000°,Azm205.0000° $M_0$5.80000×10^{18}

(70) Guatemala

IDC	**XI**	**11 22 16 42.3–1.0**	**14.67N**	**91.48W**	**0**	**6.5s,6.5**			**¶602389242**

IDC Error ellipse: s-maj=37.6km s-min=24.7km az=37.0.

(68) Off coast of Chiapas

ISC	**XI**	**11 22 25 37.1–3.0**	**14.04N–.06**	**92.39W–.06**	**12–18**	**4.7b**	**96**	**1-146**	
ISCJB	XI	11 22 25 36.6–1.3	13.99N–.05	92.39W–.05	21–9	6.4s,4.7b			**¶601888237**
MEX	XI	11 22 25 37.7–.61	13.90N	92.47W	20–36	3.8,4.7b			
IDC	XI	11 22 25 39.6–3.8	14.03N	92.11W	35–28	4.5,4.4			
NEIC	XI	11 22 25 40.2–.52	14.01N	92.25W	35	4.8b,4.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.0km az=40.1.
MEX Error ellipse: s-maj=6.7km s-min=8.7km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=15.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=219.0.

(173) Tonga Islands

ISC	**XI**	**12 14 58 13.1–.33**	**17.56S–.06**	**173.15W–.07**	**28**	**5.1b,4.8s**	**338**	**4-173**	
IDC	XI	12 14 58 08.7–.43	17.66S	173.06W	0	4.9,4.8			**¶601888254**
NEIC	XI	12 14 58 09.7–.15	17.63S	173.09W	10	5.1b,4.8			
ISCJB	XI	12 14 58 11.1–.15	17.72S–.04	173.08W–.04	28	5.0b,4.8s			
BJI	XI	12 14 58 14.5	17.57S	173.34W	35	5.6b,5.2b			
GCMT	XI	12 14 58 14.6–.20	17.61S–.02	172.40W–.01	21–0	5.2W,5.2b			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c75; s108,c162;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.03 $M_{\theta\theta}$-0.30±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.06±.04; $M_{\theta\phi}$-0.33±.01; $M_{\phi r}$0.35±.03; Best double couple: NP1:ϕ_s25.00000°,δ56.00000°,λ81.00000°. NP2:ϕ_s222.00000°,δ35.00000°,λ104.00000°. Principal axes: T 0.9400,Plg77.0000° ,Azm266.0000°; N -0.0990,Plg8.0000°,Azm30.0000°; P -0.8410,Plg11.0000°,Azm122.0000° $M_0$0.89000×10^{17}

(15) Gulf of Alaska

ISC	**XI**	**12 20 42 15.9–.43**	**57.56N–.03**	**142.86W–.02**	**19–1**	**6.2s,6.0b**	**2633**	**3-168**	
IDC	XI	12 20 42 13.6–.34	57.80N	142.79W	0	6.0,6.0s			**¶601890509**
BJI	XI	12 20 42 13.8	57.56N	142.89W	30	6.5s,6.4			
MOS	XI	12 20 42 13.3–.82	57.78N	142.84W	10	6.1b,6.1s			
NEIC	XI	12 20 42 14.6–.06	57.79N	142.86W	9	6.4,6.3W			
NEIC	XI	12 20 42 14.0–.00	57.75N	142.91W	13	6.4,6.3W			
AEIC	XI	12 20 42 16.8–.00	57.59N	142.88W	11	6.4,6.3W			
GCMT	XI	12 20 42 16.6–.10	57.70N	142.97W	16–0	6.3W,6.3W			
ISCJB	XI	12 20 42 16.3–.07	57.77N–.01	142.74W–.02	30	6.2s,5.9b			

ISC Event type fe.
NEIC Event type fe. Felt [II] at Cordova. Also felt at Anchorage, Eagle River, Homer, Sitka, Skagway, Valdez and Yakutat. Felt at Whitehorse, British Columbia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.59 MPa. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s270.00000°,δ85.00000°,λ20.00000°. NP2:ϕ_s178.00000°,δ70.00000°,λ175.00000°. Principal axes: T Plg17.0000°,Azm136.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000° ,Azm42.0000°
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.24 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.31 $M_{\theta\phi}$3.15 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s177.00000° ,δ84.00000°,λ-167.00000°. NP2:ϕ_s86.00000°,δ77.00000°,λ-5.00000°. Principal axes: T 3.3200,Plg4.0000°,Azm311.0000°; N -0.1100,Plg76.0000°,Azm201.0000° ; P -3.2100,Plg12.0000°,Azm42.0000° $M_0$3.30000×10^{18}
AEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c328; s149,c602; Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-0.27±.02; $M_{\phi\phi}$0.72±.02; $M_{r\theta}$-1.56±.07; $M_{\theta\phi}$3.59±.02; $M_{\phi r}$-1.21±.06; Best double couple: NP1:ϕ_s267.00000°,δ82.00000° ,λ21.00000°. NP2:ϕ_s174.00000°,δ69.00000°,λ171.00000°. Principal axes: T 4.5980,Plg21.0000°,Azm132.0000°; N -1.1420,Plg67.0000°,Azm287.0000° ; P -3.4560,Plg9.0000°,Azm39.0000° $M_0$4.02700×10^{18}
ISCJB Event type fe.

(143) Off coast of southern Chile

ISC	**XI**	**13 04 31 31.0–.24**	**45.67S–.04**	**77.08W–.05**	**35**	**5.7s,4.6b**	**708**	**3-177**	
IDC	XI	13 04 31 24.8–.45	45.75S	77.23W	0	5.7,5.7s			**¶601890535**
BJI	XI	13 04 31 25.3	45.57S	77.55W	10	6.0s,5.9			
NEIC	XI	13 04 31 26.8–.17	45.76S	77.05W	9	6.2,6.1W			
NEIC	XI	13 04 31 27.0–.00	45.64S	77.57W	11	6.2,6.1W			
GUC	XI	13 04 31 27.7–.58	45.76S	77.05W	9–999	6.1W,6.1W			
MOS	XI	13 04 31 28.1–1.1	45.73S	77.11W	26	5.6s,5.3b			
ISCJB	XI	13 04 31 28.7–.16	45.71S–.03	76.90W–.05	33	5.8s,4.7b			
GCMT	XI	13 04 31 29.8–.10	45.80S	77.54W	18–0	6.0W,4.7b			
NEIC	XI	13 04 31 46.9–.00	45.73S	76.79W	10	6.0W,4.7b			

ISC Event type fe.
IDC Error ellipse: s-maj=20.5km s-min=11.0km az=99.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=74.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ73.00000°,λ-174.00000°. NP2: ϕ_s166.00000°,δ84.00000°,λ-17.00000°. Principal axes: T 1.0300,Plg8.0000°,Azm213.0000° ; N 0.1300,Plg72.0000°,Azm329.0000°; P -1.1600,Plg16.0000°,Azm121.0000°
NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.11 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-0.51 $M_{r\theta}$0.63 $M_{\theta\phi}$-1.63 $M_{\phi r}$-0.41 Best double couple: NP1:ϕ_s80.00000° ,δ76.00000°,λ163.00000°. NP2:ϕ_s174.00000°,δ73.00000°,λ15.00000°. Principal axes: T 1.9400,Plg22.0000°,Azm36.0000°; N -0.1900,Plg67.0000°,Azm221.0000° ; P -1.7500,Plg1.0000°,Azm127.0000° $M_0$1.90000×10^{18}
GUC Error ellipse: s-maj=6.7km s-min=29.7km az=-1.0.
MOS Error ellipse: s-maj=15.5km s-min=7.8km az=89.2.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=168.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c279; s137,c485; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03±.01 $M_{\theta\theta}$0.60±.01; $M_{\phi\phi}$-0.56±.01; $M_{r\theta}$0.17±.02; $M_{\theta\phi}$-1.25±.01; $M_{\phi r}$-0.26±.02; Best double couple: NP1:ϕ_s168.00000°,δ86.00000° ,λ11.00000°. NP2:ϕ_s77.00000°,δ79.00000°,λ176.00000°. Principal axes: T 1.4470,Plg11.0000°,Azm33.0000°; N -0.0740,Plg78.0000°,Azm185.0000° ; P -1.3730,Plg5.0000°,Azm302.0000° $M_0$1.41000×10^{18}
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.46 $M_{r\theta}$-0.91 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s349.00000° ,δ56.00000°,λ-1.00000°. NP2:ϕ_s80.00000°,δ89.00000°,λ-146.00000°. Principal axes: T 1.7000,Plg23.0000°,Azm209.0000°; N -0.1500,Plg56.0000°,Azm81.0000° ; P -1.5500,Plg24.0000°,Azm310.0000° $M_0$1.60000×10^{18}

(22) Queen Charlotte Islands region

ISC	**XI**	**13 04 55 47.6–.45**	**52.71N–.03**	**132.04W–.03**	**17–2**	**5.3b,5.1s**	**1358**	**0-163**	
BJI	XI	13 04 55 43.0	52.80N	132.00W	10	5.4b,5.3s			**¶601890536**
IDC	XI	13 04 55 44.4–.38	52.62N	132.13W	0	5.1b,5.0			
PGC	XI	13 04 55 46.0–7.0	52.71N	132.03W	22–0	5.3L,5.1b			
NEIC	XI	13 04 55 45.0–.00	52.71N	132.03W	22	5.1W,5.1b			
ISCJB	XI	13 04 55 45.8–.36	52.81N–.01	131.98W–.02	13–2	5.2b,5.1s			
MOS	XI	13 04 55 46.9–.89	52.76N	132.14W	22	5.5b,5.1s			
GCMT	XI	13 04 55 52.0–.50	52.56N–.03	132.07W–.04	29–1	5.5W,5.1s			

ISC Event type fe.
PGC Event type ke. 62km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type fe. Felt [III] at Prince Rupert. Also felt at Port Hardy and Queen Charlotte. After OTT. Moment Tensor Solution. $M_0$5.90000×10^{16}
ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c22; s65,c82;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.19 $M_{\theta\theta}$-1.84±.12; $M_{\phi\phi}$0.20±.12; $M_{r\theta}$0.72±.14; $M_{\theta\phi}$1.17±.06; $M_{\phi r}$0.21±.16; Best double couple: NP1:ϕ_s94.00000°,δ57.00000°,λ63.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ124.00000°. Principal axes: T 1.9100,Plg66.0000° ,Azm312.0000°; N 0.5380,Plg22.0000°,Azm110.0000°; P -2.4500,Plg8.0000°,Azm203.0000° $M_0$2.18000×10^{17}

(173) Tonga Islands

ISC	**XI**	**13 23 23 48.1–.40**	**21.12S–.06**	**175.83W–.05**	**24–2**	**5.4b,5.1s**	**737**	**8-178**
IDC	XI	13 23 23 43.6–.42	21.12S	175.85W	0	4.9,4.9		**¶601891451**
ISCJB	XI	13 23 23 44.8–2.0	21.08S–.03	175.88W–.03	13–12	5.3b,5.1s		
MOS	XI	13 23 23 48.3–1.3	21.06S	175.88W	33	5.5b,5.0s		
NEIC	XI	13 23 23 48.0–.09	21.04S	175.93W	24	5.4b,5.1s		
GCMT	XI	13 23 23 50.0–.10	21.05S–.01	175.79W–.01	19–0	5.6W,5.1s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Havelu, Nuku'alofa, Pangai and Vaini.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c146; s136,c295;Duration: 1s5
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$-2.37±.03; $M_{\phi\phi}$2.60±.03; $M_{r\theta}$-0.51±.08; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$1.07±.08; Best double couple: NP1:ϕ_s314.00000°,δ86.00000°,λ157.00000°. NP2:ϕ_s45.00000°,δ67.00000°,λ4.00000°. Principal axes: T 2.9720,Plg19.0000° ,Azm267.0000°; N -0.4850,Plg67.0000°,Azm125.0000°; P -2.4880,Plg13.0000°,Azm2.0000° $M_0$2.73000×10^{17}

(254) Panay

ISC	**XI**	**14 05 21 43.1–.38**	**9.99N–.02**	**122.32E–.02**	**45–3**	**5.5b,5.3s**	**1065**	**1-173**
MAN	XI	14 05 21 40.0	10.03N	122.20E	21	6.2b,5.8s		**¶601891465**
MOS	XI	14 05 21 40.5–1.0	10.06N	122.43E	33	5.7b,5.2s		
BJI	XI	14 05 21 40.7	9.88N	122.46E	50	5.4s,5.3		
IDC	XI	14 05 21 41.1–1.7	10.00N	122.48E	28–11	5.2,5.2s		
ISCJB	XI	14 05 21 42.2–.23	10.03N–.01	122.38E–.02	49–2	5.4b,5.3s		
NEIC	XI	14 05 21 42.5–.33	9.98N	122.47E	41–3	5.7W,5.6W		
GCMT	XI	14 05 21 43.5–.10	10.11N–.01	122.23E–.01	37–0	5.7W,5.6W		
NEIC	XI	14 05 21 43.0–.00	9.99N	122.43E	30	5.7W,5.6W		
KLM	XI	14 05 21 44.0	10.16N	122.45E	52	5.7b,5.6W		
DJA	XI	14 05 21 46.1–.30	10N–2.0	122E–2.0	48–4	6.0,5.9b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V PIVS] at Binalbagan, Cawayan, Hinigaran, Ilog, Jinoba-an and Kabankalan; [IV PIVS] at Bacolod, Bago, Bayawan, Dumaguete, Pamplona, Pontevedra, Santa Catalina and Tayasan; [II PIVS] at Canlaon and Murcia. Also felt [V PIVS] at Iloilo; [IV PIVS] at Anini-y, Alimodian and Sigma; [III PIVS] at Barbaza, Bugasong, Culasi, Dao, Kalibo, Leso, Pandan, Patnongon, Roxas City, San Jose, San Remigio, Sebaste, Sibalom, Tibiao and Valderrama, Panay. Felt [IV PIVS] at Nueva Valencia, Guimaras Island; [III PIVS] at Masbate, Masbate; [II PIVS] at Dipolog, Mindanao. Moment Tensor Solution. s56
Moment tensor: Scale 10^{17}Nm; M_{rr}1.78 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-2.49 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.90 Best double couple: NP1:ϕ_s194.00000°,δ67.00000°,λ101.00000°. NP2:ϕ_s347.00000° ,δ26.00000°,λ66.00000°. Principal axes: T 2.6000,Plg66.0000°,Azm124.0000° ; N 0.6400,Plg10.0000°,Azm9.0000°; P -3.2400,Plg21.0000°,Azm275.0000° $M_0$3.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c222; s122,c288;
Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42±.04 $M_{\theta\theta}$0.31±.03; $M_{\phi\phi}$-2.72±.03; $M_{r\theta}$-0.48±.04; $M_{\theta\phi}$-0.18±.02; $M_{\phi r}$-3.39±.07; Best double couple: NP1:ϕ_s187.00000° ,δ72.00000°,λ93.00000°. NP2:ϕ_s359.00000°,δ19.00000°,λ82.00000°. Principal axes: T 4.1360,Plg63.0000°,Azm102.0000°; N 0.3060,Plg3.0000°,Azm6.0000° ; P -4.4340,Plg27.0000°,Azm275.0000° $M_0$4.28500×10^{17}
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}2.48 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-2.38 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.10 $M_{\phi r}$-4.29 Best double couple: NP1:ϕ_s195.00000° ,δ76.00000°,λ98.00000°. NP2:ϕ_s345.00000°,δ16.00000°,λ60.00000°. Principal axes: T 5.2900,Plg57.0000°,Azm115.0000°; N -0.3200,Plg7.0000°,Azm13.0000° ; P -4.9700,Plg30.0000°,Azm278.0000° $M_0$5.10000×10^{17}

(173) Tonga Islands

ISC	**XI**	**14 07 41 55.6–.28**	**20.93S–.06**	**173.89W–.06**	**26**	**5.1b,4.4s**	**563**	**4-171**
IDC	XI	14 07 41 51.9–.43	20.74S	173.99W	0	5.1L,4.8		**¶601891469**
NEIC	XI	14 07 41 53.2–.10	20.74S	174.08W	10	5.2b,4.8		
ISCJB	XI	14 07 41 54.0–.14	20.85S–.04	173.98W–.03	26	5.0b,4.3s		
MOS	XI	14 07 41 55.8–1.1	20.79S	173.98W	33	5.3b,4.3s		
GCMT	XI	14 07 41 56.2–.30	20.89S–.04	173.37W–.02	19–0	5.0W,4.3s		
BJI	XI	14 07 41 57.1	20.42S	173.65W	41	5.6b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=12.3km az=132.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.7km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=144.6.
MOS Error ellipse: s-maj=11.6km s-min=8.4km az=48.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c37; s62,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.23 $M_{\theta\theta}$-1.07±.16; $M_{\phi\phi}$-2.73±.14; $M_{r\theta}$-0.28±.42; $M_{\theta\phi}$-0.94±.10; $M_{\phi r}$0.10±.26; Best double couple: NP1:ϕ_s208.00000°,δ45.00000°,λ95.00000°. NP2:ϕ_s20.00000°,δ45.00000°,λ85.00000°. Principal axes: T 3.8200,Plg86.0000° ,Azm202.0000°; N -0.6680,Plg4.0000°,Azm24.0000°; P -3.1520,Plg0.0000°,Azm294.0000° $M_0$3.48600×10^{16}

(192) New Britain region

ISC	**XI**	**14 23 41 55.3–.55**	**6.06S–.04**	**151.73E–.04**	**31–3**	**5.3b,5.2s**	**444**	**2-166**
IDC	XI	14 23 41 45.7–.42	5.76S	151.77E	0	5.0,4.9		**¶601901488**
BJI	XI	14 23 41 46.3	5.99S	152.24E	6	5.4b,5.2s		
ISCJB	XI	14 23 41 51.9–.14	5.95S–.03	151.48E–.03	11	5.2b,5.2s		
NEIC	XI	14 23 41 53.0–.00	5.94S	151.76E	25	5.2b,5.2s		
MOS	XI	14 23 41 55.1–1.6	5.90S	151.25E	36	5.5b,5.2s		
NEIC	XI	14 23 41 56.4–.22	5.86S	151.34E	35	5.6W,5.5b		
GCMT	XI	14 23 41 57.4–.10	6.01S–.01	151.85E–.01	22–0	5.6W,5.5b		
DJA	XI	14 23 41 59.4–.50	6S–4.0	152E–5.0	108–4	5.8b,5.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46 $M_{\theta\theta}$-2.17 $M_{\phi\phi}$-0.29 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.76 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s64.00000° ,δ67.00000°,λ85.00000°. NP2:ϕ_s256.00000°,δ24.00000°,λ101.00000°. Principal axes: T 3.3900,Plg67.0000°,Azm324.0000°; N -0.0500,Plg4.0000°,Azm66.0000° ; P -3.3400,Plg21.0000°,Azm157.0000° $M_0$3.40000×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}1.15 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$0.32 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_s273.00000° ,δ31.00000°,λ110.00000°. NP2:ϕ_s69.00000°,δ62.00000°,λ78.00000°. Principal axes: T 1.4300,Plg71.0000°,Azm313.0000°; N 0.3500,Plg10.0000°,Azm75.0000° ; P -1.7800,Plg16.0000°,Azm168.0000° $M_0$1.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c200; s123,c285;
Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.62±.04 $M_{\theta\theta}$-2.19±.03; $M_{\phi\phi}$-0.43±.03; $M_{r\theta}$1.98±.06; $M_{\theta\phi}$-0.98±.02; $M_{\phi r}$0.34±.06; Best double couple: NP1:ϕ_s75.00000°,δ64.00000° ,λ98.00000°. NP2:ϕ_s238.00000°,δ27.00000°,λ75.00000°. Principal axes: T 3.3300,Plg70.0000°,Azm1.0000°; N -0.0550,Plg7.0000°,Azm251.0000° ; P -3.2760,Plg18.0000°,Azm159.0000° $M_0$3.30300×10^{17}

(69) Near coast of Chiapas

ISC	**XI**	**15 06 42 37.6–.68**	**14.10N–.05**	**92.38W–.05**	**41–6**	**4.9b,4.6s**	**550**	**1-147**
NEIC	XI	15 06 42 34.8–.00	13.84N	92.73W	12	5.0,5.0b		**¶601901501**
MEX	XI	15 06 42 34.7–.74	13.86N	92.71W	9–134	5.0,5.0b		
GCMT	XI	15 06 42 36.8–.30	13.97N–.02	92.96W–.02	20–1	5.1W,5.0b		
IDC	XI	15 06 42 37.1–2.7	14.19N	92.19W	33–19	4.6,4.6		
BJI	XI	15 06 42 38.1	14.10N	92.30W	30	5.5b,5.3s		
UCR	XI	15 06 42 38.4–1.2	14.06N	92.33W	81–97	5.0b,4.3L		
ISCJB	XI	15 06 42 39.3–.40	14.25N–.03	92.21W–.03	63–3	4.9b,4.3L		

ISC Event type fe.
NEIC Event type fe. Felt at Urbina. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c68; s80,c120;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.19 $M_{\theta\theta}$-1.11±.12; $M_{\phi\phi}$-2.25±.12; $M_{r\theta}$1.61±.27; $M_{\theta\phi}$2.39±.09; $M_{\phi r}$-3.88±.33; Best double couple: NP1:ϕ_s154.00000°,δ70.00000°,λ101.00000°. NP2:ϕ_s305.00000°,δ23.00000°,λ63.00000°. Principal axes: T 5.3640,Plg64.0000° ,Azm82.0000°; N 0.5690,Plg10.0000°,Azm331.0000°; P -5.9330,Plg24.0000°,Azm236.0000° $M_0$5.64900×10^{16}
ISCJB Event type fe.

(203) Bismarck Sea

ISC	**XI**	**15 08 21 49.9–.49**	**3.12S–.03**	**148.49E–.04**	**18–2**	**5.9s,5.3b**	**615**	**2-159**
BJI	XI	15 08 21 45.1	3.02S	148.67E	6	5.8s,5.7		**¶601901505**
IDC	XI	15 08 21 46.9–.40	3.14S	148.37E	0	5.6,5.6s		
MOS	XI	15 08 21 47.5–.93	3.10S	148.15E	14	5.6s,5.5b		
NEIC	XI	15 08 21 48.5–.09	3.11S	148.27E	10	5.9W,5.8W		
ISCJB	XI	15 08 21 48.0–.11	3.15S–.02	148.32E–.02	15	6.0s,5.3b		
NEIC	XI	15 08 21 49.0–.00	2.95S	148.38E	15	6.0s,5.3b		
GCMT	XI	15 08 21 52.5–.10	3.06S	148.38E	12	5.9W,5.3b		
DJA	XI	15 08 21 57.8–.50	3S–3.0	148E–3.0	48–4	6.1,5.9b		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$3.57 $M_{\phi\phi}$-4.56 $M_{r\theta}$1.96 $M_{\theta\phi}$5.04 $M_{\phi r}$2.12 Best double couple: NP1:ϕ_s112.00000° ,δ67.00000°,λ12.00000°. NP2:ϕ_s17.00000°,δ79.00000°,λ157.00000°. Principal axes: T 7.1700,Plg24.0000°,Azm333.0000°; N -0.0400,Plg65.0000°,Azm173.0000° ; P -7.1200,Plg8.0000°,Azm66.0000° $M_0$7.20000×10^{17}
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47 $M_{\theta\theta}$7.24 $M_{\phi\phi}$-5.77 $M_{r\theta}$1.43 $M_{\theta\phi}$4.06 $M_{\phi r}$4.01 Best double couple: NP1:ϕ_s212.00000° ,δ82.00000°,λ-150.00000°. NP2:ϕ_s117.00000°,δ60.00000°,λ-9.00000°. Principal axes: T 9.0400,Plg14.0000°,Azm340.0000°; N -0.3500,Plg59.0000°,Azm225.0000° ; P -8.6800,Plg26.0000°,Azm78.0000° $M_0$8.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c277; s136,c452;
Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05±.01 $M_{\theta\theta}$0.67±.01; $M_{\phi\phi}$-0.62±.01; $M_{r\theta}$0.17±.02; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s21.00000°,δ86.00000° ,λ167.00000°. NP2:ϕ_s112.00000°,δ77.00000°,λ4.00000°. Principal axes: T 1.0290,Plg12.0000°,Azm336.0000°; N -0.0830,Plg76.0000°,Azm185.0000° ; P -0.9470,Plg6.0000°,Azm67.0000° $M_0$0.98800×10^{18}

(59) Guerrero

ISC	**XI**	**15 09 20 21.4–.26**	**18.20N–.02**	**100.53W–.03**	**58–2**	**5.8b,5.7s**	**1710**	**0-155**
MOS	XI	15 09 20 18.0–1.1	18.33N	100.33W	33	6.0b,5.6s		**¶601901948**
NEIC	XI	15 09 20 21.9–.13	18.35N	100.38W	53	6.1,6.1		
BJI	XI	15 09 20 21.0	18.55N	100.30W	50	6.0s,5.8		
MEX	XI	15 09 20 22.6–.53	18.18N	100.53W	45–3	6.1,5.8		
IDC	XI	15 09 20 22.9–.51	18.33N	100.40W	65–4	5.6s,5.6		
GCMT	XI	15 09 20 22.9–.10	18.30N	100.48W	53–0	6.1W,5.6		
ISCJB	XI	15 09 20 22.2–.26	18.36N–.02	100.41W–.01	71–2	5.7b,5.6		
NEIC	XI	15 09 20 23.0–.00	18.41N	100.27W	60	5.7b,5.6		
NEIC	XI	15 09 20 40.5–.00	18.55N	99.86W	53	5.7b,5.6		

ISC Event type fe.
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=217.0. Felt [VI] at Acatzingo; [IV] at Cuernavaca, Granjas Mexico, Huixquilucan, Mexico, Nezahualcoyotl, Puebla, Tlalchapa, Toluca and Zihuatanejo. Widely felt in Distrito Federal, Estado de Mexico, Guerrero, Michoacan, Morelos and Puebla and in parts of Guanajuato, Hidalgo and Oaxaca. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.29 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.73 $M_{\theta\theta}$0.98 $M_{\phi\phi}$0.75 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.79 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s125.00000°,δ49.00000°,λ-98.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ-81.00000°. Principal axes: T 1.6800,Plg4.0000°,Azm221.0000°; N 0.0900,Plg6.0000°,Azm130.0000° ; P -1.7600,Plg83.0000°,Azm342.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s105.00000°,δ53.00000°,λ-106.00000°. NP2: ϕ_s310.00000°,δ40.00000°,λ-70.00000°. Principal axes: T Plg7.0000°,Azm206.0000° ; N Plg0.0000°,Azm0.0000°; P Plg76.0000°,Azm323.0000°
MEX Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=7.8km az=56.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c286; s124,c438;
Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.52±.01 $M_{\theta\theta}$1.39±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$-0.40±.01; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$-0.04±.01; Best double couple: NP1:ϕ_s104.00000° ,δ52.00000°,λ-98.00000°. NP2:ϕ_s297.00000°,δ39.00000°,λ-80.00000°. Principal axes: T 1.6310,Plg7.0000°,Azm200.0000°; N -0.0580,Plg6.0000°,Azm109.0000° ; P -1.5820,Plg81.0000°,Azm335.0000° $M_0$1.60700×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.6km az=34.3.
NEIC Event type se. Moment Tensor Solution. s64 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.60 $M_{\theta\theta}$1.10 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.45 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s108.00000° ,δ51.00000°,λ-101.00000°. NP2:ϕ_s307.00000°,δ40.00000°,λ-75.00000°. Principal axes: T 1.3600,Plg5.0000°,Azm206.0000°; N 0.3100,Plg9.0000°,Azm115.0000° ; P -1.6800,Plg79.0000°,Azm326.0000° $M_0$1.50000×10^{18}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.08 $M_{\theta\theta}$1.59 $M_{\phi\phi}$0.49 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s299.00000° ,δ38.00000°,λ-81.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ-97.00000°. Principal axes: T 1.9100,Plg7.0000°,Azm203.0000°; N 0.2500,Plg5.0000°,Azm112.0000° ; P -2.1600,Plg81.0000°,Azm346.0000° $M_0$2.00000×10^{18}

(5) Near Islands

ISC	**XI**	**15 11 22 22.7–.31**	**52.36N–.03**	**173.39E–.02**	**33–1**	**5.7b,5.0s**	**1933**	**1-161**
BJI	XI	15 11 22 20.6	52.62N	173.33E	31	5.7b,5.6b		**¶601903594**
ISCJB	XI	15 11 22 21.5–.26	52.43N–.02	173.43E–.01	36–2	5.6b,5.0s		
KRSC	XI	15 11 22 21.1–3.4	52.18N	173.22E	60–50	5.7L,5.0s		
NEIC	XI	15 11 22 22.3–.06	52.50N	173.35E	28	5.7L,5.6b		
MOS	XI	15 11 22 22.0–.88	52.41N	173.38E	43	5.8b,4.8s		
AEIC	XI	15 11 22 23.3–.00	52.46N	173.36E	25	5.8b,4.8s		
IDC	XI	15 11 22 23.2–1.1	52.48N	173.41E	33–7	5.5,5.4		
GCMT	XI	15 11 22 25.3–.20	52.41N–.01	173.40E–.01	38–0	5.6W,5.4		

ISC Event type se.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type fe. Felt on Shemya. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17} Nm; M_{rr}1.73 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$0.23 $M_{r\theta}$0.98 $M_{\theta\phi}$-0.31 $M_{\phi r}$1.05 Best double couple: NP1: ϕ_s283.00000°,δ33.00000°,λ128.00000°. NP2:ϕ_s60.00000°,δ64.00000°,λ68.00000°. Principal axes: T 2.3900,Plg64.0000°,Azm293.0000°; N -0.0600,Plg20.0000°,Azm70.0000° ; P -2.3400,Plg16.0000°,Azm166.0000° $M_0$2.40000×10^{17}
AEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c128; s129,c273;Duration: 1s5
Moment tensor: Scale 10^{17}Nm; M_{rr}1.94±.07 $M_{\theta\theta}$-2.46±.05; $M_{\phi\phi}$0.52±.04; $M_{r\theta}$1.69±.06; $M_{\theta\phi}$-0.18±.03; $M_{\phi r}$1.41±.05; Best double couple: NP1:ϕ_s62.00000°,δ69.00000°,λ67.00000°. NP2:ϕ_s291.00000°,δ31.00000°,λ136.00000°. Principal axes: T 3.1510,Plg59.0000° ,Azm299.0000°; N 0.0060,Plg21.0000°,Azm70.0000°; P -3.1500,Plg21.0000°,Azm169.0000° $M_0$3.15000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XI**	**16 08 25 56.1–.38**	**35.30N–.03**	**141.16E–.03**	**31–2**	**5.3b,5.3s**	**1373**	**0-162**
NIED	XI	16 08 25 00	35.40N	141.20E	26	5.4W,5.3s		**¶601903377**
IDC	XI	16 08 25 51.1–.31	35.24N	141.18E	0	5.0,5.0		
BJI	XI	16 08 25 52.5	35.27N	141.13E	26	5.4s,5.3		
JMA	XI	16 08 25 53.8–.10	35.36N	141.23E	30–2	5.5,5.3		
ISCJB	XI	16 08 25 54.2–.44	35.23N–.02	141.07E–.02	27–3	5.3b,5.2s		
GCMT	XI	16 08 25 55.8–.10	35.46N–.01	141.14E–.01	19–0	5.3W,5.2s		
MOS	XI	16 08 25 55.1–1.0	35.17N	141.04E	35	5.5b,5.3s		
NEIC	XI	16 08 25 57.8–.38	35.22N	140.99E	42–3	5.3b,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ45.00000°,λ-104.00000°. NP2:ϕ_s233.00000°,δ47.00000°,λ-77.00000°. $M_0$1.30000×10^{17}
IDC Error ellipse: s-maj=11.3km s-min=7.7km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=160.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c151; s114,c203;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.02 $M_{\theta\theta}$0.50±.01; $M_{\phi\phi}$0.45±.02; $M_{r\theta}$0.44±.03; $M_{\theta\phi}$0.50±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s242.00000°,δ56.00000°,λ-71.00000°. NP2:ϕ_s31.00000°,δ38.00000°,λ-116.00000°. Principal axes: T 1.0280,Plg9.0000° ,Azm319.0000°; N 0.0710,Plg16.0000°,Azm52.0000°; P -1.0990,Plg72.0000°,Azm200.0000° $M_0$1.06300×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=112.6.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=133.0. Felt [III] at Tsuchiura and [II] at Narita. Felt widely in east-central Honshu. Recorded [3 JMA] in Chiba.

(221) Kuril Islands

ISC	**XI**	**16 18 12 43.3–.29**	**49.24N–.02**	**155.65E–.03**	**51–2**	**6.3s,6.1b**	**2694**	**1-171**
IDC	XI	16 18 12 35.5–.32	49.28N	155.49E	0	6.2,6.2s		**¶606632346**
KRSC	XI	16 18 12 38.7–1.6	49.02N	155.90E	68–27	6.7L,6.2s		
BJI	XI	16 18 12 38.2	49.21N	155.49E	30	6.5,6.5s		

NEIC XI 16 18 12 39.0–.00 49.17N 155.63E 50 6.5,6.5s
NEIC XI 16 18 12 39.9–.06 49.28N 155.43E 29 6.5W,6.5W
ISCJB XI 16 18 12 41.3–.25 49.24N–.01 155.52E–.01 52–2 6.3s,6.0b
MOS XI 16 18 12 41.4–.99 49.22N 155.52E 62 6.4b,6.4s
GCMT XI 16 18 12 44.9–.00 49.22N 155.87E 41–0 6.5W,6.4s
NEIC XI 16 18 12 55.7–.00 49.08N 155.60E 45 6.5W,6.4s
ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=109.0.
KRSC Event type se. FELT [IV-V] at Severo-Kurilsk; [III-IV] at Ozernovskiy, Paujetka, Zaporojye; [II-III] at Ribachiy, Institute; [II] at cape Vasilyeva, RNS Podgornay, lighthouse Chibuiny, lighthouse Kurbatova, cape Lopatka, lighthouse Krugliy.
NEIC Event type se. Moment Tensor Solution. s105 Moment tensor: Scale 10^{18}Nm; M_{rr}4.85 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-3.11 $M_{r\theta}$2.08 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.85 Best double couple: NP1:ϕ_s30.00000° ,δ67.00000°,λ87.00000°. NP2:ϕ_s218.00000°,δ23.00000°,λ97.00000°. Principal axes: T 6.6100,Plg68.0000°,Azm295.0000°; N -0.5100,Plg2.0000°,Azm31.0000° ; P -6.1000,Plg21.0000°,Azm122.0000° $M_0$6.40000×10^{18}
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.4km az=155.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}4.37 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$-2.39 $M_{r\theta}$1.30 $M_{\theta\phi}$-1.45 $M_{\phi r}$1.91 Best double couple: NP1:ϕ_s223.00000°,δ30.00000°,λ94.00000°. NP2: ϕ_s38.00000°,δ60.00000°,λ87.00000°. Principal axes: T 4.9900,Plg75.0000°,Azm301.0000° ; N -0.7300,Plg2.0000°,Azm39.0000°; P -4.2600,Plg15.0000°,Azm130.0000° $M_0$4.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm290.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.3km az=153.4.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=2.6km az=75.3. Fault plane solution: P-wave C171, D17 . Felt (IV-V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ60.00000°,λ69.00000°. NP2: ϕ_s237.00000°,δ36.00000°,λ121.00000°. Principal axes: T Plg68.0000°,Azm248.0000° ; N Plg18.0000°,Azm31.0000°; P Plg12.0000°,Azm125.0000° $M_0$2.00000×10^{19}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c364; s143,c613; Duration: 4s2 Moment tensor: Scale 10^{18}Nm; M_{rr}5.80±.03 $M_{\theta\theta}$-1.68±.02; $M_{\phi\phi}$-4.12±.02; $M_{r\theta}$1.44±.02; $M_{\theta\phi}$-2.83±.01; $M_{\phi r}$2.51±.02; Best double couple: NP1:ϕ_s32.00000°,δ58.00000° ,λ88.00000°. NP2:ϕ_s215.00000°,δ32.00000°,λ93.00000°. Principal axes: T 6.4750,Plg77.0000°,Azm296.0000°; N 0.1770,Plg1.0000°,Azm33.0000° ; P -6.6520,Plg13.0000°,Azm123.0000° $M_0$6.56300×10^{18}
NEIC Event type se. Moment Tensor Solution. s91 Moment tensor: Scale 10^{18}Nm; M_{rr}6.65 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-4.45 $M_{r\theta}$1.36 $M_{\theta\phi}$-2.70 $M_{\phi r}$2.78 Best double couple: NP1:ϕ_s217.00000° ,δ32.00000°,λ95.00000°. NP2:ϕ_s31.00000°,δ58.00000°,λ87.00000°. Principal axes: T 7.3600,Plg77.0000°,Azm291.0000°; N -0.4200,Plg3.0000°,Azm32.0000° ; P -6.9400,Plg13.0000°,Azm123.0000° $M_0$7.20000×10^{18}

(174) Tonga Islands region

ISC	**XI**	**17 05 12 55.7–.46**	**18.35S–.04**	**172.29W–.04**	**6–2**	**5.8b,5.5s**	**1631**	**4-175**	
IDC	XI	17 05 12 55.0–.33	18.44S	172.37W	0	6.2L,5.6			**¶601992383**
ISCJB	XI	17 05 12 55.3–.08	18.41S–.02	172.32W–.02	10	5.7b,5.5s			
MOS	XI	17 05 12 55.8–1.1	18.30S	172.39W	10	5.8b,5.5s			
BJI	XI	17 05 12 55.7	18.31S	172.29W	10	6.1b,5.6b			
NEIC	XI	17 05 12 56.0–.00	18.31S	172.16W	11	6.1b,5.6b			
NEIC	XI	17 05 12 56.8–.07	18.38S	172.32W	10	6.0,5.9W			
GCMT	XI	17 05 13 00.8–.10	18.46S–.01	171.99W	12	5.9W,5.9W			
NEIC	XI	17 05 13 20.0–.00	17.73S	172.11W	10	5.9W,5.9W			

ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.1km az=152.2.
MOS Error ellipse: s-maj=7.8km s-min=6.3km az=68.3.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.34 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$6.77 $M_{r\theta}$1.29 $M_{\theta\phi}$2.67 $M_{\phi r}$7.21 Best double couple: NP1:ϕ_s190.00000° ,δ69.00000°,λ-95.00000°. NP2:ϕ_s26.00000°,δ21.00000°,λ-75.00000°. Principal axes: T 10.9000,Plg24.0000°,Azm284.0000°; N -2.2000,Plg5.0000°,Azm192.0000° ; P -8.7000,Plg65.0000°,Azm90.0000° $M_0$9.90000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=141.0. Felt at Neiafu. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.91 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s86 Moment tensor: Scale 10^{17} Nm; M_{rr}-4.96 $M_{\theta\theta}$0.39 $M_{\phi\phi}$4.57 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.88 $M_{\phi r}$4.80 Best double couple: NP1: ϕ_s22.00000°,δ24.00000°,λ-69.00000°. NP2:ϕ_s179.00000°,δ68.00000°,λ-99.00000°. Principal axes: T 6.6200,Plg22.0000°,Azm276.0000°; N 0.4400,Plg8.0000°,Azm182.0000° ; P -7.0600,Plg66.0000°,Azm73.0000° $M_0$6.80000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s77.00000°,δ61.00000°,λ-17.00000°. NP2: ϕ_s175.00000°,δ75.00000°,λ-150.00000°. Principal axes: T Plg9.0000°,Azm303.0000° ; N Plg0.0000°,Azm0.0000°; P Plg32.0000°,Azm39.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c268; s141,c437; Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59±.00 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.70±.00; $M_{r\theta}$-0.08±.01; $M_{\theta\phi}$0.26±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s180.00000°,δ60.00000° ,λ-110.00000°. NP2:ϕ_s35.00000°,δ36.00000°,λ-60.00000°. Principal axes: T 0.8520,Plg12.0000°,Azm284.0000°; N -0.1430,Plg17.0000°,Azm190.0000° ; P -0.7080,Plg69.0000°,Azm48.0000° $M_0$0.78000×10^{18}
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.71 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$8.27 $M_{r\theta}$1.41 $M_{\theta\phi}$2.61 $M_{\phi r}$0.70 Best double couple: NP1:ϕ_s205.00000° ,δ49.00000°,λ-77.00000°. NP2:ϕ_s5.00000°,δ42.00000°,λ-105.00000°. Principal axes: T 9.0500,Plg4.0000°,Azm286.0000°; N -1.0700,Plg10.0000°,Azm16.0000° ; P -7.9800,Plg79.0000°,Azm176.0000° $M_0$8.50000×10^{17}

(756) Southeast of Easter Island

ISC	**XI**	**17 18 12 20.3–.78**	**37.12S–.05**	**95.23W–.05**	**11–4**	**5.4b,4.9s**	**1113**	**16-173**	
MOS	XI	17 18 12 18.9–1.1	37.06S	95.19W	10	5.5b,4.9s			**¶601992538**
IDC	XI	17 18 12 19.0–.36	37.17S	95.27W	0	5.1,5.0			
NEIC	XI	17 18 12 19.9–.12	37.21S	95.08W	10	5.4b,4.9s			
GCMT	XI	17 18 12 20.9–.10	37.14S–.01	95.24W–.01	12	5.4W,4.9s			
BJI	XI	17 18 12 21.0	37.20S	95.10W	10	5.5s,5.3			
ISCJB	XI	17 18 12 29.0–1.4	37.15S–.03	94.90W–.05	93–12	5.2b,5.3			

ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c159; s131,c242;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.34±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$1.54±.02; $M_{r\theta}$0.27±.05; $M_{\theta\phi}$-0.21±.02; $M_{\phi r}$-0.08±.04; Best double couple: NP1:ϕ_s341.00000°,δ48.00000° ,λ-106.00000°. NP2:ϕ_s185.00000°,δ44.00000°,λ-72.00000°. Principal axes: T 1.5700,Plg2.0000°,Azm83.0000°; N -0.1700,Plg12.0000°,Azm352.0000° ; P -1.3990,Plg78.0000°,Azm183.0000° $M_0$1.48500×10^{17}
ISCJB Event type se.

(686) West Chile Rise

ISC	**XI**	**17 18 43 51.2–.26**	**37.16S–.06**	**95.05W–.05**	**10**	**5.4b,4.8s**	**765**	**16-173**	
MOS	XI	17 18 43 49.8–1.3	37.09S	95.20W	10	5.4b,4.7s			**¶601909923**
IDC	XI	17 18 43 49.7–.46	37.19S	95.28W	0	4.7s,4.6			
ISCJB	XI	17 18 43 49.8–.20	37.05S–.04	95.06W–.04	10	5.3b,4.8s			
BJI	XI	17 18 43 50.3	37.23S	94.81W	10	5.5s,5.4b			
NEIC	XI	17 18 43 50.6–.15	37.18S	95.14W	10	5.4b,4.8s			
GCMT	XI	17 18 43 50.7–.20	37.17S–.01	95.20W–.01	12	5.2W,4.8s			

ISC Event type se.
ISCJB Event type fe.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c82; s120,c199;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$0.87±.01; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.22±.04; Best double couple: NP1:ϕ_s333.00000°,δ56.00000° ,λ-108.00000°. NP2:ϕ_s182.00000°,δ38.00000°,λ-66.00000°. Principal axes: T 0.9650,Plg9.0000°,Azm75.0000°; N -0.0280,Plg15.0000°,Azm343.0000° ; P -0.9360,Plg73.0000°,Azm196.0000° $M_0$0.95100×10^{17}

(224) Hokkaido region

ISC	**XI**	**19 01 07 55.3–.77**	**43.08N–.05**	**145.85E–.04**	**61–6**	**4.1b**	**113**	**0-84**	
NIED	XI	19 01 07 00	43.10N	145.80E	68	3.9W			**¶601992808**
MOS	XI	19 01 07 53.7–.88	42.98N	145.94E	72	4.5b			
ISCJB	XI	19 01 07 54.1–.45	43.03N–.04	145.90E–.04	71–3	4.0b			
NEIC	XI	19 01 07 55.5–.62	43.03N	145.91E	67–5	4.3b			
SKHL	XI	19 01 07 55.7–.70	43.10N	145.79E	81–4	6.1s,5.1b			
JMA	XI	19 01 07 55.8–.10	43.06N	145.82E	64–1	4.1,5.1b			
IDC	XI	19 01 07 56.0–2.1	43.04N	145.85E	71–18	4.2,4.1			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ23.00000°,λ-2.00000°. NP2:ϕ_s255.00000°,δ89.00000°,λ-113.00000°. $M_0$8.47000×10^{14}
MOS Event type fe. Error ellipse: s-maj=11.6km s-min=6.3km az=81.7. Felt (II) at Yuzhno-Kuril'sk, Malokuril'skoye. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=141.9.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.2km az=136.0. Recorded [2 JMA] in eastern Hokkaido.
SKHL Event type fe. Felt (II) at Yushno-Kuril'sk, Lagunnoe, Malokuril'skoe. Felt (II) at Golovnino, Mendeleevo, Gorjachy Pljash.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=13.7km az=165.0.

(192) New Britain region

ISC	**XI**	**19 09 44 35.5–.36**	**5.75S–.03**	**151.64E–.03**	**23–2**	**5.9s,5.8b**	**1649**	**2-157**	
ISCJB	XI	19 09 44 31.1–.85	5.72S–.02	151.53E–.02	2–5	5.9s,5.7b			**¶601992895**
BJI	XI	19 09 44 31.1	5.70S	151.60E	10	5.9b,5.9s			
NEIC	XI	19 09 44 34.0–.00	5.83S	151.91E	25	5.9b,5.9s			
NEIC	XI	19 09 44 34.1–.08	5.71S	151.60E	13	6.0W,5.9W			
MOS	XI	19 09 44 36.4–1.1	5.65S	151.52E	35	6.0b,5.8s			
IDC	XI	19 09 44 37.2–1.4	5.70S	151.65E	33–10	5.5,5.5s			
GCMT	XI	19 09 44 39.1–.10	5.90S	151.79E	20–0	6.0W,5.5s			
DJA	XI	19 09 44 39.2–.40	6S–2.0	151E–3.0	51–3	6.6,6.3b			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ63.00000° ,λ-98.00000°. NP2:ϕ_s241.00000°,δ28.00000°,λ-73.00000°. Principal axes: T 1.2300,Plg17.0000°,Azm138.0000°; N -0.0800,Plg7.0000°,Azm46.0000° ; P -1.1500,Plg70.0000°,Azm292.0000°
NEIC Event type fe. Felt at Kimbe. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.08 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.84 $M_{\theta\theta}$4.17 $M_{\phi\phi}$1.67 $M_{r\theta}$-1.61 $M_{\theta\phi}$3.23 $M_{\phi r}$-4.29 Best double couple: NP1:ϕ_s36.00000°,δ64.00000°,λ-109.00000°. NP2: ϕ_s254.00000°,δ32.00000°,λ-56.00000°. Principal axes: T 7.5100,Plg17.0000°,Azm140.0000° ; N 0.2700,Plg17.0000°,Azm45.0000°; P -7.7900,Plg66.0000°,Azm272.0000° $M_0$7.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s225.00000°,δ15.00000°,λ-90.00000°. NP2:ϕ_s45.00000°,δ75.00000°,λ-90.00000°. Principal axes: T Plg30.0000°,Azm135.0000°; N Plg0.0000°,Azm0.0000°; P Plg60.0000° ,Azm315.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c310; s140,c453; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.92±.01 $M_{\theta\theta}$0.58±.01; $M_{\phi\phi}$0.34±.01; $M_{r\theta}$-0.34±.01; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.60±.01; Best double couple: NP1:ϕ_s38.00000°,δ63.00000° ,λ-103.00000°. NP2:ϕ_s245.00000°,δ30.00000°,λ-67.00000°. Principal axes: T 1.2180,Plg17.0000°,Azm138.0000°; N -0.0440,Plg11.0000°,Azm44.0000° ; P -1.1750,Plg69.0000°,Azm283.0000° $M_0$1.19600×10^{18}

(282) South of Jawa

ISC	**XI**	**19 10 09 44.8–.31**	**9.67S–.04**	**108.17E–.04**	**28**	**4.8b**	**225**	**2-154**	
IDC	XI	19 10 09 41.0–.40	9.58S	108.41E	0	4.7,4.7s			**¶601992901**
DJA	XI	19 10 09 42.6–.60	10S–6.0	108E–3.0	10	5.6b,5.2			
NEIC	XI	19 10 09 42.2–.19	9.67S	108.26E	10	4.9b,5.2			
ISCJB	XI	19 10 09 43.2–.24	9.71S–.03	108.22E–.02	28	4.7b,5.2			
KLM	XI	19 10 09 44.0	9.58S	108.19E	10	4.7b,5.2			
BJI	XI	19 10 09 46.0	9.50S	108.20E	35	5.5b,5.3s			

ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=11.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=220.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=23.7.

(192) New Britain region

ISC	**XI**	**19 10 15 58.6–.35**	**5.82S–.05**	**151.61E–.05**	**41**	**4.9b**	**143**	**2-157**	
IDC	XI	19 10 15 52.1–.54	5.71S	151.58E	0	4.7,4.6			**¶601992903**
NEIC	XI	19 10 15 53.9–.66	5.79S	151.63E	11–4	5.1b,4.6			
BJI	XI	19 10 15 54.7	5.77S	151.52E	13	5.5b,5.4s			
ISCJB	XI	19 10 15 57.0–.20	5.86S–.03	151.54E–.03	41	4.8b,5.4s			
DJA	XI	19 10 16 14.3–2.0	7S–11	151E–15	129–11	5.1,5.1			

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

(192) New Britain region

ISC	**XI**	**19 10 55 12.9–.30**	**5.82S–.04**	**151.72E–.05**	**41**	**5.0b,4.7s**	**266**	**2-157**	
BJI	XI	19 10 55 03.0	6.07S	152.23E	10	5.2b,5.1s			**¶601992913**
NEIC	XI	19 10 55 09.0–.70	5.79S	151.66E	15–4	5.3b,5.1s			
ISCJB	XI	19 10 55 11.5–.18	5.80S–.03	151.55E–.03	41	4.9b,4.7s			
MOS	XI	19 10 55 11.0–1.0	5.77S	151.59E	40	5.3b,4.7s			
IDC	XI	19 10 55 14.2–1.7	5.80S	151.60E	52–14	4.7,4.5			
GCMT	XI	19 10 55 15.0–.40	5.82S–.04	151.92E–.03	20–2	5.2W,4.5			
DJA	XI	19 10 55 24.7–.50	6S–4.0	151E–5.0	104–4	5.6b,5.4			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c32; s55,c80;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.57 $M_{\theta\theta}$-2.29±.31; $M_{\phi\phi}$-2.53±.33; $M_{r\theta}$4.53±.65; $M_{\theta\phi}$-1.81±.17; $M_{\phi r}$3.90±.63; Best double couple: NP1:ϕ_s48.00000°,δ71.00000°,λ93.00000°. NP2:ϕ_s220.00000°,δ19.00000°,λ82.00000°. Principal axes: T 7.8050,Plg63.0000° ,Azm322.0000°; N -0.6230,Plg2.0000°,Azm227.0000°; P -7.1820,Plg26.0000° ,Azm136.0000° $M_0$7.49400×10^{16}

(192) New Britain region

ISC	**XI**	**20 16 10 43.2–.42**	**5.82S–.06**	**151.71E–.06**	**41**	**4.8b,3.8s**	**102**	**2-124**	
IDC	XI	20 16 10 37.5–.59	5.73S	151.68E	0	4.6,4.5			**¶601993229**
NEIC	XI	20 16 10 38.7–.32	5.79S	151.73E	10	4.7b,4.5			
BJI	XI	20 16 10 40.6	5.80S	151.80E	28	5.0b,5.0s			
ISCJB	XI	20 16 10 41.3–.31	5.83S–.04	151.67E–.05	41	4.7b,4.0s			
DJA	XI	20 16 10 55.3–2.1	6S–11	151E–15	101–11	5.5b,5.2			

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

(134) Off coast of central Chile

ISC	**XI**	**20 16 23 26.2–.66**	**33.93S–.03**	**72.33W–.04**	**24–4**	**5.3b,5.2s**	**999**	**1-179**	
SJA	XI	20 16 23 18.7–.39	33.94S	72.82W	10–4	5.6L,3.8W			**¶601993233**
IDC	XI	20 16 23 22.8–.38	33.88S	72.12W	0	5.1,5.0L			
GUC	XI	20 16 23 23.8–.48	33.98S	72.28W	10–8	5.3L,5.0L			
ISCJB	XI	20 16 23 24.7–1.0	33.94S–.02	72.43W–.04	23–7	5.3b,5.2s			
NEIC	XI	20 16 23 24.8–.53	33.92S	72.25W	16–3	5.4b,5.3L			
MOS	XI	20 16 23 24.9–1.3	33.86S	72.35W	21	5.5b,5.2s			
BJI	XI	20 16 23 26.2	33.90S	72.30W	20	5.5b,5.5s			
GCMT	XI	20 16 23 28.8–.10	33.99S–.01	72.40W–.01	19–0	5.4W,5.5s			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Constitucion, Litueche, Longavi and Pichilemu; [IV] at Cauquenes, Curico, Hualane, Iloca, Linares, Lolol, Navidad, Paredones, Pelarco, Pencahue, Rio Claro, Romeral, Sagrada Familia, San Clemente, Santa Cruz, Santo Domingo and Talca; [III] at Algarrobo, Cartagena, Casablanca, Chanco, Colbun, Maule, Melipilla, Parral, Pelluhue, Rancagua, San Antonio, San Fernando, Santiago and Valparaiso. Felt in many parts of central Chile.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c130; s105,c179;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$-1.07±.02; $M_{r\theta}$-0.10±.04; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$-1.32±.06; Best double couple: NP1:ϕ_s185.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s16.00000°,δ20.00000°,λ100.00000°. Principal axes: T 1.6420,Plg64.0000° ,Azm90.0000°; N 0.1010,Plg3.0000°,Azm187.0000°; P -1.7430,Plg26.0000°,Azm278.0000° $M_0$1.69300×10^{17}

(291) South of Sumbawa

ISC	**XI**	**21 16 46 40.7–.52**	**11.36S–.03**	**117.92E–.03**	**31–3**	**5.7b,5.0s**	**1470**	**2-177**	
BJI	XI	21 16 46 35.4	11.40S	117.90E	10	5.7b,5.6b			**¶601993499**
IDC	XI	21 16 46 36.4–.30	11.37S	117.93E	0	5.5,5.5			
ISCJB	XI	21 16 46 39.3–.33	11.43S–.02	117.93E–.02	35–2	5.7b,5.0s			
NEIC	XI	21 16 46 39.0–.00	11.58S	118.02E	23	5.7b,5.0s			
DJA	XI	21 16 46 40.4–.50	12S–1.0	118E–1.0	28–4	6.3,6.0b			
NEIC	XI	21 16 46 40.1–.08	11.36S	117.93E	25	5.8b,5.4W			
MOS	XI	21 16 46 42.1–.99	11.06S	117.90E	42	5.9b,4.7s			
GCMT	XI	21 16 46 43.1–.10	11.46S–.01	117.98E–.01	35–0	5.4W,4.7s			

ISC Event type fe.

ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-0.04 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s96.00000° ,δ58.00000°,λ-95.00000°. NP2:ϕ_s286.00000°,δ32.00000°,λ-81.00000°. Principal axes: T 1.8000,Plg13.0000°,Azm190.0000°; N -0.0900,Plg4.0000°,Azm99.0000° ; P -1.7100,Plg76.0000°,Azm351.0000° $M_0$1.80000×10^{17}
NEIC Event type fe. Felt [IV] at Denpasar and [III] at Kuta, Bali. Also felt at Gianyar and Sukawati and on Nusa Penida. Felt [III] at Lombok, Lombok. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ47.00000°,λ-61.00000°. NP2:ϕ_s102.00000° ,δ51.00000°,λ-118.00000°. Principal axes: T 1.1200,Plg2.0000°,Azm211.0000° ; N -0.0600,Plg21.0000°,Azm120.0000°; P -1.0600,Plg69.0000°,Azm306.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ20.00000° ,λ-90.00000°. NP2:ϕ_s60.00000°,δ70.00000°,λ-90.00000°. Principal axes: T Plg25.0000° ,Azm150.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm330.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c180; s116,c258; Duration: 1$\fallingdotseq$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36±.03 $M_{\theta\theta}$1.56±.02; $M_{\phi\phi}$-0.19±.02; $M_{r\theta}$-0.89±.02; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$-0.38±.03; Best double couple: NP1:ϕ_s82.00000°,δ62.00000° ,λ-111.00000°. NP2:ϕ_s301.00000°,δ34.00000°,λ-57.00000°. Principal axes: T 1.8390,Plg15.0000°,Azm187.0000°; N -0.0920,Plg18.0000°,Azm92.0000° ; P -1.7460,Plg66.0000°,Azm314.0000° $M_0$1.79200×10^{17}

(134) Off coast of central Chile

ISC	**XI**	**21 21 36 22.2–.58**	**33.97S–.02**	**72.14W–.03**	**17–3**	**5.7b,5.6s**	**1625**	**1-179**
SJA	XI	21 21 36 08.1–.47	34.53S	73.02W	5–8	5.9L,4.2W		**¶601993538**
GUC	XI	21 21 36 21.4–.53	34.01S	72.22W	12–7	5.6L,5.5W		
NEIC	XI	21 21 36 22.7–.09	33.94S	71.87W	18	5.9W,5.8W		
ISCJB	XI	21 21 36 22.2–1.0	33.87S–.02	72.05W–.04	26–7	5.6b,5.6s		
IDC	XI	21 21 36 22.7–2.3	33.94S	72.01W	17–13	5.6,5.6s		
NEIC	XI	21 21 36 22.0–.00	34.30S	71.96W	25	5.6,5.6s		
BJI	XI	21 21 36 23.0	33.96S	72.04W	20	6.0s,5.8		
MOS	XI	21 21 36 24.9–1.1	33.81S	72.06W	37	5.8b,5.6s		
GCMT	XI	21 21 36 26.7–.10	34.05S–.01	72.31W–.01	21–0	5.9W,5.6s		

ISC Event type fe.
NEIC Event type fe. Felt [VI] at Litueche, Navidad and Pichilemu; [V] in much of Maule and Libertador General Bernardo O'Higgins. Felt as far as Chillan, Concepcion, Los Andes and Zapallar. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}4.66 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-3.17 $M_{r\theta}$1.05 $M_{\theta\phi}$1.36 $M_{\phi r}$-4.77 Best double couple: NP1:ϕ_s163.00000° ,δ69.00000°,λ97.00000°. NP2:ϕ_s324.00000°,δ22.00000°,λ73.00000°. Principal axes: T 6.9300,Plg65.0000°,Azm84.0000°; N -0.8800,Plg6.0000°,Azm341.0000° ; P -6.0500,Plg24.0000°,Azm248.0000° $M_0$6.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s350.00000°,δ35.00000°,λ90.00000°. NP2: ϕ_s170.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm80.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm260.0000°
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-4.63 $M_{r\theta}$1.39 $M_{\theta\phi}$0.41 $M_{\phi r}$-7.01 Best double couple: NP1:ϕ_s170.00000° ,δ73.00000°,λ87.00000°. NP2:ϕ_s360.00000°,δ17.00000°,λ99.00000°. Principal axes: T 8.5900,Plg61.0000°,Azm75.0000°; N -0.0900,Plg2.0000°,Azm170.0000° ; P -8.5000,Plg28.0000°,Azm262.0000° $M_0$8.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c247; s128,c375; Duration: 2$\fallingdotseq$1 Moment tensor: Scale 10^{17}Nm; M_{rr}5.08±.06 $M_{\theta\theta}$0.35±.04; $M_{\phi\phi}$-5.43±.05; $M_{r\theta}$1.40±.08; $M_{\theta\phi}$0.26±.04; $M_{\phi r}$-6.23±.14; Best double couple: NP1:ϕ_s169.00000°,δ70.00000° ,λ84.00000°. NP2:ϕ_s6.00000°,δ20.00000°,λ106.00000°. Principal axes: T 8.1480,Plg64.0000°,Azm70.0000°; N 0.2540,Plg5.0000°,Azm171.0000° ; P -8.4050,Plg25.0000°,Azm264.0000° $M_0$8.27600×10^{17}

(291) South of Sumbawa

ISC	**XI**	**22 21 29 24.4–.31**	**11.51S–.05**	**118.02E–.05**	**36**	**4.7b,3.6s**	**225**	**2-152**
IDC	XI	22 21 29 20.0–.50	11.38S	117.89E	0	4.7L,4.5		**¶601993805**
NEIC	XI	22 21 29 20.1–1.8	11.45S	117.93E	5–11	4.8b,4.5		
MOS	XI	22 21 29 21.9–.97	11.35S	118.05E	29	4.9b,4.5		
ISCJB	XI	22 21 29 22.3–.19	11.55S–.03	117.96E–.03	36	4.7b,3.5s		
DJA	XI	22 21 29 22.4–.20	12S–3.0	118E–2.0	10	5.5b,5.4		

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

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 20 21 28.4–.38**	**38.24N–.03**	**141.82E–.03**	**53–3**	**5.3b,4.1s**	**1344**	**0-160**
NIED	XI	23 20 21 00	38.20N	141.80E	56	5.0W,4.1s		**¶601993994**
BJI	XI	23 20 21 24.4	38.16N	141.87E	41	5.4b,5.1b		
ISCJB	XI	23 20 21 28.9–.20	38.21N–.02	141.73E–.02	65–1	5.2b,5.1b		
MOS	XI	23 20 21 28.3–.90	38.36N	141.76E	56	5.5b,5.1b		
IDC	XI	23 20 21 29.5–1.3	38.21N	141.74E	60–11	5.0,4.8		
JMA	XI	23 20 21 29.3	38.21N	141.79E	57–1	5.2,4.8		
NEIC	XI	23 20 21 30.4–.35	38.21N	141.69E	69–3	5.3b,4.8		
GCMT	XI	23 20 21 31.5–.20	38.33N–.02	141.70E–.02	55–1	5.0W,4.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ34.00000°,λ129.00000°. NP2:ϕ_s181.00000°,δ64.00000°,λ67.00000°. $M_0$3.98000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ70.00000°,λ159.00000°. NP2:ϕ_s144.00000°,δ70.00000°,λ21.00000°. Principal axes: T Plg29.0000°,Azm5.0000°; N Plg61.0000°,Azm185.0000°; P Plg0.0000° ,Azm95.0000°
NEIC Event type fe. Felt [V] at Sendai and [IV] at Fukushima. Felt in much of eastern Honshu from Kasukabe to Hachinohe. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c81; s105,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.17±.16 $M_{\theta\theta}$0.35±.12; $M_{\phi\phi}$-3.52±.12; $M_{r\theta}$0.66±.09; $M_{\theta\phi}$-1.93±.10; $M_{\phi r}$-2.63±.10; Best double couple: NP1:ϕ_s180.00000°,δ65.00000°,λ64.00000°. NP2:ϕ_s48.00000°,δ36.00000°,λ132.00000°. Principal axes: T 4.4900,Plg61.0000° ,Azm50.0000°; N 0.4450,Plg23.0000°,Azm191.0000°; P -4.9360,Plg16.0000°,Azm288.0000° $M_0$4.71300×10^{16}

(321) Southern Xinjiang

ISC	**XI**	**26 05 33 49.1–.39**	**40.41N–.03**	**90.37E–.02**	**11–2**	**5.5b,4.7s**	**1538**	**4-166**
IDC	XI	26 05 33 47.3–.37	40.41N	90.44E	0	5.2,5.2		**¶601994499**
ISCJB	XI	26 05 33 48.5–.07	40.42N–.01	90.38E–.01	18	5.4b,4.6s		
BJI	XI	26 05 33 48.8	40.35N	90.45E	10	5.6L,5.3b		
NEIC	XI	26 05 33 48.8–.07	40.41N	90.36E	10	5.6L,5.6b		
GCMT	XI	26 05 33 50.8–.20	40.62N–.01	90.54E–.02	23–0	5.1W,5.6b		
MOS	XI	26 05 33 50.1–1.0	40.46N	90.33E	28	5.6b,4.7s		
NNC	XI	26 05 33 50.3–1.5	40.55N	90.12E	0	5.9b,5.6		

ISC Event type de.
IDC Error ellipse: s-maj=12.4km s-min=9.4km az=30.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.5km az=32.9.
NEIC Event type de. Error ellipse: s-maj=2.2km s-min=1.8km az=27.0. Some houses damaged in Xinjiang. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}3.76 $M_{\theta\theta}$-4.15 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s63.00000°,δ46.00000° ,λ56.00000°. NP2:ϕ_s288.00000°,δ53.00000°,λ121.00000°. Principal axes: T 4.6400,Plg66.0000°,Azm258.0000°; N -0.4300,Plg24.0000°,Azm88.0000° ; P -4.2200,Plg4.0000°,Azm356.0000° $M_0$4.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c82; s95,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.48±.15 $M_{\theta\theta}$-4.70±.11; $M_{\phi\phi}$1.23±.10; $M_{r\theta}$-1.14±.16; $M_{\theta\phi}$-2.32±.09; $M_{\phi r}$1.51±.17; Best double couple: NP1:ϕ_s280.00000°,δ57.00000°,λ131.00000°. NP2:ϕ_s41.00000°,δ51.00000°,λ44.00000°. Principal axes: T 4.7180,Plg56.0000° ,Azm246.0000°; N 0.8320,Plg34.0000°,Azm75.0000°; P -5.5400,Plg4.0000°,Azm342.0000° $M_0$5.12900×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=2.9km az=131.8.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=16.2km az=31.0.

(254) Panay

ISC	**XI**	**26 17 53 03.4–.87**	**10.97N–.02**	**122.32E–.03**	**32–6**	**4.6b,4.1s**	**314**	**0-169**
IDC	XI	26 17 52 57.7–.38	10.90N	122.37E	0	4.5,4.4		**¶601994617**
MAN	XI	26 17 52 59.7	11.02N	122.17E	4	5.6b,4.9s		
BJI	XI	26 17 53 01.2	11.10N	122.50E	10	4.8b,4.5b		
MOS	XI	26 17 53 01.1–.98	10.92N	122.42E	33	4.7b,4.5b		
GCMT	XI	26 17 53 02.8–.20	11.13N–.02	122.24E–.02	27–0	5.0W,4.5b		
NEIC	XI	26 17 53 02.8–.77	10.97N	122.41E	33–5	4.8b,4.5b		
ISCJB	XI	26 17 53 03.3–.32	11.01N–.02	122.35E–.03	46–3	4.6b,4.1s		
KLM	XI	26 17 53 07.0	10.80N	122.57E	30	5.0b,4.1s		
DJA	XI	26 17 53 09.5–.70	11N–4.0	122E–3.0	81–7	5.2b,4.9b		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c58; s83,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.15±.18 $M_{\theta\theta}$-0.09±.11; $M_{\phi\phi}$-4.06±.14; $M_{r\theta}$-1.92±.21; $M_{\theta\phi}$-1.18±.07; $M_{\phi r}$-1.02±.23; Best double couple: NP1:ϕ_s214.00000°,δ57.00000°,λ111.00000°. NP2:ϕ_s358.00000°,δ38.00000°,λ61.00000°. Principal axes: T 4.9220,Plg70.0000° ,Azm170.0000°; N -0.2730,Plg18.0000°,Azm22.0000°; P -4.6530,Plg10.0000° ,Azm289.0000° $M_0$4.78800×10^{16}
NEIC Event type fe. Felt [V PIVS] at Valderrama; [IV PIVS] at San Jose and Sibalom; [III PIVS] at Calinog and Iloilo.
ISCJB Event type fe.

(248) Philippine Islands region

ISC	**XI**	**26 22 25 43.2–1.9**	**10.68N–.04**	**126.87E–.06**	**18–9**	**4.4b**	**219**	**2-146**
BJI	XI	26 22 25 39.6	10.41N	127.50E	40	4.9b,4.6b		**¶602347507**
IDC	XI	26 22 25 39.5–.47	10.58N	127.00E	0	4.3L,4.3		
DJA	XI	26 22 25 40.1–.60	11N–5.0	127E–7.0	10	6.2b,5.8		
MOS	XI	26 22 25 41.4–.84	10.52N	126.93E	22	4.8b,5.8		
MAN	XI	26 22 25 43.7	10.64N	126.58E	1	5.5b,4.7s		
ISCJB	XI	26 22 25 43.0–1.7	10.64N–.03	126.88E–.04	30–12	4.3b,4.7s		
NEIC	XI	26 22 25 45.0–.24	10.58N	126.92E	35	4.4b,4.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=10.2km az=80.0.
MOS Error ellipse: s-maj=13.8km s-min=7.2km az=117.5.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=155.5.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=83.0.

(272) Seram

ISC	**XI**	**27 02 59 09.9–.61**	**2.94S–.03**	**129.23E–.03**	**35–2**	**5.5b,5.2s**	**901**	**2-170**
IDC	XI	27 02 59 04.0–.30	2.95S	129.21E	0	5.1L,5.1b		**¶601994718**
ISCJB	XI	27 02 59 07.0–.61	2.96S–.02	129.27E–.02	28–4	5.4b,5.2s		
WEL	XI	27 02 59 06.0	2.95S	129.22E	11	5.4b,5.2s		
NEIC	XI	27 02 59 06.5–.80	2.95S	129.22E	11–5	5.7W,5.6b		
BJI	XI	27 02 59 07.0	2.90S	129.20E	20	5.4b,5.2s		
MOS	XI	27 02 59 07.2–1.2	2.94S	129.20E	29	5.7b,5.1s		
NEIC	XI	27 02 59 08.0–.00	2.53S	129.14E	21	5.7b,5.1s		
DJA	XI	27 02 59 09.8–.40	3S–2.0	129E–2.0	34–4	6.2b,5.8		
GCMT	XI	27 02 59 09.5–.10	2.77S–.01	129.22E–.01	22–0	5.7W,5.8		
KLM	XI	27 02 59 12.0	2.78S	129.12E	28	5.7b,5.8		

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=137.8.
WEL manual. confirmed.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=54.0. Felt [III] at Amahai and Ambon. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.25 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.92 $M_{\phi r}$1.21 Best double couple: NP1:ϕ_s64.00000°,δ51.00000° ,λ16.00000°. NP2:ϕ_s324.00000°,δ78.00000°,λ140.00000°. Principal axes: T 2.2500,Plg37.0000°,Azm276.0000°; N 0.2300,Plg49.0000°,Azm129.0000° ; P -2.4800,Plg17.0000°,Azm19.0000° $M_0$2.40000×10^{17}
MOS Error ellipse: s-maj=8.1km s-min=4.7km az=114.6.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$0.97 $M_{r\theta}$0.56 $M_{\theta\phi}$2.21 $M_{\phi r}$2.71 Best double couple: NP1:ϕ_s333.00000° ,δ68.00000°,λ140.00000°. NP2:ϕ_s80.00000°,δ54.00000°,λ28.00000°. Principal axes: T 4.5500,Plg43.0000°,Azm291.0000°; N -0.7900,Plg45.0000°,Azm128.0000° ; P -3.7600,Plg8.0000°,Azm29.0000° $M_0$4.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c231; s131,c292; Duration: 1$\fallingdotseq$7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.04 $M_{\theta\theta}$-2.37±.03; $M_{\phi\phi}$1.02±.03; $M_{r\theta}$-0.77±.06; $M_{\theta\phi}$1.88±.03; $M_{\phi r}$2.76±.10; Best double couple: NP1:ϕ_s332.00000°,δ77.00000° ,λ129.00000°. NP2:ϕ_s77.00000°,δ41.00000°,λ20.00000°. Principal axes: T 4.0470,Plg44.0000°,Azm280.0000°; N -0.0850,Plg38.0000°,Azm141.0000° ; P -3.9510,Plg22.0000°,Azm33.0000° $M_0$3.99900×10^{17}

(222) East of Kuril Islands

ISC	**XI**	**27 14 42 14.9–.37**	**48.12N–.04**	**155.04E–.04**	**40–3**	**5.1b,5.0s**	**1273**	**3-156**
NIED	XI	27 14 42 00	48.50N	155.30E	23	5.2W,5.0s		**¶601994839**
ISCJB	XI	27 14 42 10.6–.59	48.08N–.02	155.06E–.02	19–4	5.1b,5.0s		
BJI	XI	27 14 42 11.7	48.37N	155.27E	40	5.2b,5.2s		
KRSC	XI	27 14 42 12.3–1.8	48.08N	155.26E	96–31	5.6L,5.2s		
SKHL	XI	27 14 42 13.4–.70	47.95N	155.37E	53–5	6.2b,5.8s		
MOS	XI	27 14 42 13.1–1.1	48.15N	155.05E	74	5.4b,5.1s		
NEIC	XI	27 14 42 15.1–.33	48.17N	154.94E	40–3	5.1b,5.1s		
IDC	XI	27 14 42 16.6–1.6	48.21N	154.91E	49–14	5.1L,4.8		
GCMT	XI	27 14 42 17.1–.10	48.11N–.01	155.28E–.01	26–0	5.3W,4.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ25.00000°,λ-35.00000°. NP2:ϕ_s244.00000°,δ76.00000°,λ-111.00000°. $M_0$7.31000×10^{16}
ISCJB Event type se.
KRSC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c138; s115,c211;Duration: 1$\fallingdotseq$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.91±.02 $M_{\theta\theta}$-0.28±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$0.22±.03; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$0.45±.03; Best double couple: NP1:ϕ_s29.00000°,δ60.00000°,λ87.00000°. NP2:ϕ_s214.00000°,δ30.00000°,λ95.00000°. Principal axes: T 1.0430,Plg75.0000° ,Azm292.0000°; N -0.0520,Plg2.0000°,Azm30.0000°; P -0.9900,Plg15.0000°,Azm121.0000° $M_0$1.01700×10^{17}

(248) Philippine Islands region

ISC	**XI**	**28 10 22 02.8–.53**	**19.06N–.03**	**121.08E–.04**	**22–3**	**4.8b,4.2s**	**277**	**1-173**
NEIC	XI	28 10 22 02.4–1.4	18.95N	121.22E	24–10	4.9b,4.2s		**¶601995001**
IDC	XI	28 10 22 03.8–4.2	19.01N	121.26E	33–31	4.5,4.3		
BJI	XI	28 10 22 03.7	19.39N	120.95E	12	4.9b,4.6b		
ISCJB	XI	28 10 22 05.0–.39	19.13N–.02	121.24E–.03	55–4	4.6b,4.2s		
MOS	XI	28 10 22 04.8–1.1	19.06N	121.29E	60	5.0b,4.2s		
GCMT	XI	28 10 22 04.4–.30	19.20N–.02	120.94E–.02	39–0	5.1W,4.2s		
MAN	XI	28 10 22 05.3	19.08N	121.23E	21	5.6b,5.0s		
KLM	XI	28 10 22 06.0	19.01N	120.96E	33	4.9b,5.0s		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=109.0. Felt [III PIVS] at Claveria and Sanchez-Mira and [II PIVS] at Aparri.
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=1.7.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=106.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c68; s71,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.89±.29 $M_{\theta\theta}$-0.45±.20; $M_{\phi\phi}$-5.44±.21; $M_{r\theta}$-1.05±.15; $M_{\theta\phi}$-2.64±.10; $M_{\phi r}$-1.10±.15; Best double couple: NP1:ϕ_s209.00000°,δ52.00000°,λ97.00000°. NP2:ϕ_s18.00000°,δ39.00000°,λ81.00000°. Principal axes: T 6.1020,Plg82.0000° ,Azm154.0000°; N 0.6400,Plg5.0000°,Azm24.0000°; P -6.7380,Plg6.0000°,Azm294.0000° $M_0$6.42000×10^{16}

(109) Near coast of northern Peru

ISC	**XI**	**29 07 09 14.3–.32**	**6.67S–.04**	**81.13W–.05**	**24–1**	**5.5b,4.9s**	**1125**	**3-176**
MOS	XI	29 07 09 09.9–1.0	6.59S	81.15W	25	5.7b,4.8s		**¶601995193**
NEIC	XI	29 07 09 12.1–.15	6.59S	81.07W	10	5.5W,5.5b		
ISCJB	XI	29 07 09 13.6–1.0	6.54S–.02	81.12W–.03	32–7	5.4b,4.9s		
GCMT	XI	29 07 09 13.1–.20	6.85S–.01	81.28W–.01	13–0	5.4W,4.9s		
IGQ	XI	29 07 09 15.3–2.3	7S–12	81W–19	67–43	6.1b,6.0b		
BJI	XI	29 07 09 15.0	6.60S	80.90W	12	5.6b,5.5s		
IDC	XI	29 07 09 15.1–.36	6.56S	81.06W	25–2	4.8,4.8		

ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.2km az=102.8.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=65.0. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.55 $M_{\theta\phi}$0.48 $M_{\phi r}$-2.11 Best double couple: NP1:ϕ_s164.00000°,δ75.00000°,λ95.00000°. NP2:ϕ_s326.00000° ,δ15.00000°,λ73.00000°. Principal axes: T 2.5000,Plg59.0000°,Azm80.0000° ; N 0.0000,Plg4.0000°,Azm343.0000°; P -2.5000,Plg30.0000°,Azm250.0000° $M_0$2.50000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=154.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c138; s106,c187;Duration: 1$\fallingdotseq$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.02 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.60±.02; $M_{r\theta}$0.30±.03; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-1.18±.07; Best double couple: NP1:ϕ_s164.00000°,δ74.00000°,λ96.00000°. NP2:ϕ_s323.00000°,δ17.00000°,λ70.00000°. Principal axes: T 1.4290,Plg60.0000°

,Azm82.0000°; N 0.0010,Plg5.0000°,Azm342.0000°; P -1.4300,Plg29.0000°,Azm249.0000° $M_0$1.42900×10^{17}

IDC Error ellipse: s-maj=13.6km s-min=9.3km az=61.0.

(200) Near north coast of New Guinea

ISC	**XI**	**29 11 10 25.7–.22**	**3.59S–.03**	**145.74E–.04**	**25**	**6.0s,5.5b**	**480**	**2-157**
IDC	XI	29 11 10 20.0–.40	3.38S	145.58E	0	5.6s,5.6		**¶601995233**
NEIC	XI	29 11 10 21.7–.11	3.42S	145.56E	10	5.9W,5.9W		
MOS	XI	29 11 10 21.9–1.2	3.45S	145.52E	23	5.8s,5.7b		
ISCJB	XI	29 11 10 22.6–.14	3.46S–.02	145.57E–.03	25	6.0s,5.4b		
BJI	XI	29 11 10 23.1	3.61S	145.60E	10	5.9s,5.8		
NEIC	XI	29 11 10 27.0–.00	3.51S	145.54E	11	5.9s,5.8		
GCMT	XI	29 11 10 29.7–.10	3.38S	145.71E	12	6.0W,5.8		

ISC Event type se.

IDC Error ellipse: s-maj=12.7km s-min=8.1km az=97.0.

NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=99.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$0.13 $M_{r\theta}$0.88 $M_{\theta\phi}$9.00 $M_{\phi r}$-1.04 Best double couple: NP1:ϕ_s269.00000°,δ84.00000°,λ-5.00000°. NP2:ϕ_s359.00000°,δ85.00000°,λ-174.00000°. Principal axes: T 8.8300,Plg1.0000°,Azm134.0000° ; N 0.5500,Plg82.0000°,Azm37.0000°; P -9.3800,Plg8.0000°,Azm224.0000° $M_0$9.10000×10^{17}

MOS Error ellipse: s-maj=9.0km s-min=6.4km az=103.2.

ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=177.5.

NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.58 $M_{\theta\theta}$0.42 $M_{\phi\phi}$2.15 $M_{r\theta}$0.78 $M_{\theta\phi}$8.95 $M_{\phi r}$-3.06 Best double couple: NP1:ϕ_s360.00000°,δ79.00000°,λ-157.00000°. NP2:ϕ_s265.00000°,δ68.00000°,λ-11.00000°. Principal axes: T 10.5000,Plg7.0000°,Azm131.0000°; N -1.7000,Plg65.0000°,Azm23.0000° ; P -8.8000,Plg23.0000°,Azm224.0000° $M_0$9.80000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c279; s151,c526; Duration: 2≦5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.01±.01 $M_{\theta\theta}$-0.08±.01; $M_{\phi\phi}$0.07±.01; $M_{r\theta}$0.25±.02; $M_{\theta\phi}$1.36±.01; $M_{\phi r}$-0.05±.02; Best double couple: NP1:ϕ_s268.00000°,δ88.00000°,λ-10.00000°. NP2:ϕ_s359.00000°,δ80.00000°,λ-178.00000°. Principal axes: T 1.3690,Plg6.0000°,Azm314.0000°; N 0.0340,Plg79.0000°,Azm77.0000° ; P -1.4030,Plg9.0000°,Azm223.0000° $M_0$1.38600×10^{18}

(221) Kuril Islands

ISC	**XI**	**30 06 48 19.1–.69**	**48.11N–.05**	**155.11E–.05**	**34–2**	**4.8b,4.3s**	**466**	**3-156**
IDC	XI	30 06 48 13.9–.43	48.14N	155.02E	0	4.6,4.5		**¶601995378**
BJI	XI	30 06 48 15.7	48.32N	155.44E	42	5.2b,4.8b		
ISCJB	XI	30 06 48 15.8–.90	48.14N–.03	155.05E–.04	22–6	4.7b,4.2s		
KRSC	XI	30 06 48 16.4–2.1	48.06N	155.61E	79–27	4.7L,4.2s		
SKHL	XI	30 06 48 18.2–.40	48.01N	155.24E	50–1	5.8b,5.6s		
MOS	XI	30 06 48 18.6–1.1	48.25N	155.01E	40	5.0b,5.6s		
NEIC	XI	30 06 48 19.6–.60	48.13N	155.01E	37–5	4.8b,5.6s		

ISC Event type se.

IDC Error ellipse: s-maj=12.5km s-min=9.7km az=143.0.

ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=143.0.

KRSC Event type se.

MOS Error ellipse: s-maj=6.6km s-min=3.7km az=83.4.

NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=148.0.

(221) Kuril Islands

ISC	**XI**	**30 17 18 51.1–.63**	**43.75N–.05**	**147.34E–.04**	**52–4**	**4.8b,3.4s**	**351**	**0-152**
NIED	XI	30 17 18 00	43.60N	147.20E	53	4.4W,3.4s		**¶601995477**
BJI	XI	30 17 18 48.7	44.11N	147.65E	64	5.0b,4.7b		
MOS	XI	30 17 18 50.2–1.1	43.79N	147.32E	56	5.0b,4.7b		
ISCJB	XI	30 17 18 50.5–.39	43.78N–.03	147.30E–.03	57–3	4.7b,3.5s		
JMA	XI	30 17 18 51.2–.20	43.62N	147.25E	34	4.4,3.5s		
SKHL	XI	30 17 18 51.3–1.0	43.69N	147.30E	61–1	5.5b,3.5s		
IDC	XI	30 17 18 51.8–2.1	43.82N	147.32E	55–18	4.3,4.2		
NEIC	XI	30 17 18 52.2–.47	43.81N	147.28E	58–4	4.9b,4.2		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ64.00000°,λ155.00000°. NP2:ϕ_s158.00000°,δ68.00000°,λ28.00000°. $M_0$4.36000×10^{15}

MOS Event type fe. Error ellipse: s-maj=6.8km s-min=5.5km az=104.4. Felt (IV) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.

ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=145.8.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

SKHL Event type fe. Felt (IV) at Malokuril'skoe, (II) at Yushno-Kuril'sk.

IDC Error ellipse: s-maj=16.1km s-min=11.1km az=145.0.

NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=149.0. Recorded [1 JMA] in eastern Hokkaido.

(186) Vanuatu Islands

ISC	**XII**	**02 00 54 23.2–.31**	**17.10S–.03**	**167.68E–.03**	**40–2**	**6.0b,6.0s**	**1443**	**5-167**
ISCJB	XII	02 00 54 21.7–.76	17.00S–.02	167.61E–.02	36–6	6.0s,5.9b		**¶601995719**
MOS	XII	02 00 54 21.8–.92	16.95S	167.65E	33	6.2b,6.0s		
BJI	XII	02 00 54 21.9	17.04S	167.62E	30	6.2b,6.0s		
IDC	XII	02 00 54 22.7–1.7	17.02S	167.75E	33–12	5.7L,5.7		
NEIC	XII	02 00 54 22.7–.07	16.98S	167.65E	32	6.2W,6.1W		
NEIC	XII	02 00 54 23.0–.00	17.01S	167.42E	35	6.2W,6.1W		
GCMT	XII	02 00 54 26.7–.10	17.12S	167.45E	40–0	6.1W,6.1W		
NEIC	XII	02 00 54 46.9–.00	17.20S	167.67E	40	6.1W,6.1W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=176.0.

MOS Error ellipse: s-maj=6.5km s-min=5.8km az=112.7.

IDC Error ellipse: s-maj=10.6km s-min=9.2km az=53.0.

NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=137.0. Felt at Lamap and Port-Vila. Also felt at Noumea, New Caledonia. Apparent Stress 0.40 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.25 $M_{\theta\phi}$0.72 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s138.00000°,δ52.00000°,λ86.00000°. NP2:ϕ_s325.00000°,δ38.00000°,λ96.00000°. Principal axes: T 1.3000,Plg82.0000° ,Azm24.0000°; N 0.1100,Plg3.0000°,Azm141.0000°; P -1.4100,Plg7.0000°,Azm231.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s350.00000°,δ35.00000°,λ90.00000°. NP2:ϕ_s170.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm80.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000° ,Azm260.0000°

NEIC Event type se. Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$-0.68 $M_{r\theta}$0.17 $M_{\theta\phi}$0.95 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s135.00000°,δ51.00000°,λ95.00000°. NP2:ϕ_s308.00000°,δ40.00000°,λ84.00000°. Principal axes: T 1.6200,Plg83.0000°,Azm77.0000°; N 0.1600,Plg3.0000°,Azm312.0000° ; P -1.7800,Plg5.0000°,Azm221.0000° $M_0$1.70000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c349; s150,c509; Duration: 2≦8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.70±.01 $M_{\theta\theta}$-0.91±.01; $M_{\phi\phi}$-0.78±.01; $M_{r\theta}$0.19±.01; $M_{\theta\phi}$1.07±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s138.00000°,δ51.00000°,λ96.00000°. NP2:ϕ_s308.00000°,δ39.00000°,λ82.00000°. Principal axes: T 1.7520,Plg82.0000°,Azm83.0000°; N 0.2130,Plg5.0000°,Azm314.0000° ; P -1.9600,Plg6.0000°,Azm224.0000° $M_0$1.85600×10^{18}

NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{18}Nm; M_{rr}2.11 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.73 $M_{\theta\phi}$1.03 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s326.00000°,δ38.00000°,λ106.00000°. NP2:ϕ_s126.00000°,δ54.00000°,λ78.00000°. Principal axes: T 2.2700,Plg77.0000°,Azm355.0000°; N -0.1000,Plg10.0000°,Azm133.0000° ; P -2.1700,Plg8.0000°,Azm225.0000° $M_0$2.20000×10^{18}

(76) Off coast of central America

ISC	**XII**	**02 04 44 36.0–.27**	**11.82N–.04**	**89.10W–.04**	**39–3**	**5.1b,4.3s**	**994**	**2-163**
GCMT	XII	02 04 44 34.3–.10	11.72N–.01	89.42W–.01	12	5.3W,4.3s		**¶601995746**
UCR	XII	02 04 44 34.6–1.7	11.93N	89.05W	12–7	5.1b,4.8L		
ISCJB	XII	02 04 44 35.8–.30	11.86N–.02	89.03W–.02	49–2	5.0b,4.3s		
MOS	XII	02 04 44 35.5–.93	11.86N	89.01W	47	5.3b,4.3s		
NEIC	XII	02 04 44 37.3–.31	11.85N	88.99W	48–2	5.1b,5.0		
IDC	XII	02 04 44 37.2–1.3	11.89N	89.04W	46–11	4.6,4.5		
BJI	XII	02 04 44 37.3	11.90N	89.00W	33	5.5b,5.2s		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c162; s117,c224;Duration: 1≦1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$0.76±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$0.28±.04; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$-0.00±.04; Best double couple: NP1:ϕ_s291.00000°,δ53.00000°,λ-101.00000°. NP2:ϕ_s128.00000°,δ39.00000°,λ-76.00000°. Principal axes: T 1.0600,Plg7.0000°,Azm29.0000°; N -0.0830,Plg8.0000°,Azm298.0000° ; P -0.9760,Plg79.0000°,Azm157.0000° $M_0$1.01800×10^{17}

UCR Error ellipse: s-maj=4.6km s-min=5.2km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=143.0.

MOS Error ellipse: s-maj=11.0km s-min=4.5km az=113.0.

NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=223.0. Felt at San Salvador, El Salvador.

IDC Error ellipse: s-maj=17.2km s-min=6.9km az=50.0.

(173) Tonga Islands

ISC	**XII**	**02 13 32 47.0–.25**	**20.85S–.04**	**174.03W–.05**	**26**	**5.1b,4.8s**	**592**	**4-171**
BJI	XII	02 13 32 44.0	20.49S	174.06W	6	5.6b,5.3s		**¶601995807**
IDC	XII	02 13 32 44.2–.43	20.65S	174.34W	0	4.9,4.8		
WEL	XII	02 13 32 44.0	20.69S	174.21W	10	4.9,4.8		
NEIC	XII	02 13 32 44.7–.14	20.69S	174.21W	10	5.1b,4.8		
ISCJB	XII	02 13 32 46.0–.11	20.81S–.03	174.12W–.03	26	5.0b,4.8s		
GCMT	XII	02 13 32 50.7–.10	20.97S–.01	173.69W–.01	18–0	5.3W,4.8s		
MOS	XII	02 13 32 51.0–3.3	20.27S	174.43W	33	5.1b,4.9s		

ISC Event type se.

IDC Error ellipse: s-maj=18.1km s-min=13.0km az=137.0.

WEL manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=133.0.

ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=40.8.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c157; s117,c211;Duration: 1≦1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.02 $M_{\theta\theta}$-0.24±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$0.58±.03; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$0.61±.03; Best double couple: NP1:ϕ_s40.00000°,δ65.00000°,λ97.00000°. NP2:ϕ_s204.00000°,δ25.00000°,λ75.00000°. Principal axes: T 1.2670,Plg69.0000° ,Azm324.0000°; N 0.0550,Plg6.0000°,Azm217.0000°; P -1.3220,Plg20.0000°,Azm125.0000° $M_0$1.29500×10^{17}

MOS Error ellipse: s-maj=9.7km s-min=8.5km az=68.9.

(68) Off coast of Chiapas

ISC	**XII**	**03 23 58 36.2–.27**	**14.22N–.04**	**92.49W–.04**	**46**	**5.2b,5.1s**	**1134**	**1-160**
SNET	XII	03 23 58 29.0–.00	14.03N	92.66W	15	5.2b,5.1s		**¶601996015**
UCR	XII	03 23 58 30.5–2.1	13.97N	92.73W	9–34	5.5b,4.7L		
GCMT	XII	03 23 58 33.4–.20	13.94N–.01	93.01W–.01	20–1	5.3W,4.7L		
ISCJB	XII	03 23 58 34.7–.13	14.22N–.02	92.36W–.01	46	5.2b,5.0s		
MOS	XII	03 23 58 34.4–.87	14.24N	92.34W	39	5.2b,5.1s		
NEIC	XII	03 23 58 35.4–.14	14.16N	92.37W	35	5.6,5.4		
BJI	XII	03 23 58 35.5	14.20N	92.30W	45	5.6s,5.5b		
IDC	XII	03 23 58 38.5–2.1	14.23N	92.27W	65–18	4.9s,4.9		
MEX	XII	03 23 58 38.0–.80	14.34N	92.75W	16–21	5.4,4.9		

ISC Event type fe.

SNET Event type se.

UCR Error ellipse: s-maj=11.7km s-min=29.6km az=-1.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c146; s103,c202;Duration: 1≦2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$0.02±.02; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$0.84±.01; $M_{\phi r}$-1.02±.07; Best double couple: NP1:ϕ_s174.00000°,δ82.00000°,λ125.00000°. NP2:ϕ_s275.00000°,δ36.00000°,λ14.00000°. Principal axes: T 1.1660,Plg42.0000° ,Azm117.0000°; N 0.3580,Plg34.0000°,Azm349.0000°; P -1.5240,Plg29.0000° ,Azm237.0000° $M_0$1.34500×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=38.4.

MOS Error ellipse: s-maj=9.6km s-min=4.3km az=111.7.

NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=218.0. Felt at Guatemala, Quetzaltenango, San Jose Chiquilaja and San Pedro Sacatepequez. Felt [I] at Ahuachapan, El Salvador.

IDC Error ellipse: s-maj=18.2km s-min=8.1km az=54.0.

MEX Error ellipse: s-maj=17.8km s-min=4.0km az=-1.0.

(381) Central Italy

ISC	**XII**	**05 01 18 21.1–.80**	**42.92N–.02**	**13.59E–.02**	**18–2**	**4.0b,3.3s**	**427**	**0-74**
PRU	XII	05 01 17 59.2–.00	40.89N	14.15E	126	4.0b,3.3s		**¶606860096**
BEO	XII	05 01 18 16.5–.60	42.59N	13.41E	10	4.3L,3.3s		
IDC	XII	05 01 18 18.3–.78	42.93N	13.42E	0	3.9,3.8b		
PDG	XII	05 01 18 19.9–.99	42.98N	13.70E	15–1	4.0L,3.8b		
NEIC	XII	05 01 18 19.7–.00	42.99N	13.71E	12	4.0L,3.8b		
ROM	XII	05 01 18 20.3–.09	42.915N–.00	13.662E–.01	18–1	4.0L,3.8b		
ISCJB	XII	05 01 18 20.2–.16	42.93N–.01	13.65E–.01	30–1	3.9b,3.4s		
LDG	XII	05 01 18 21.7–.22	42.88N	13.64E	10	3.6L,3.4s		
STR	XII	05 01 18 22.2–1.9	43N–14	14E–11	2	5.5b,5.0		

ISC Event type fe.

PRU Double Event?.

BEO Event type ke.

PDG Event type ke.

NEIC Event type fe. Felt [IV] in the Ascoli Piceno-San Benedetto del Tronto area and [III] at Teramo. Felt in much of Abruzzo, Marche and Umbria. After ROM.

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISCJB Event type fe.

LDG Event type ke.

STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/ldg_taup-2.11. preliminary.

(348) Northern and central Iran

ISC	**XII**	**05 17 08 13.5–.45**	**33.51N–.02**	**59.61E–.02**	**13–2**	**5.7s,5.5b**	**1473**	**0-164**
ISCJB	XII	05 17 08 10.2–.37	33.54N–.01	59.62E–.01	1–2	5.6s,5.5b		**¶601996088**
IDC	XII	05 17 08 11.1–.30	33.46N	59.61E	0	5.3s,5.3		
TEH	XII	05 17 08 11.6	33.49N	59.55E	8	5.6L,5.3		
THR	XII	05 17 08 12.3–.32	33.47N	59.56E	14–10	5.4L,5.3		
MOS	XII	05 17 08 12.2–.99	33.45N	59.52E	17	5.7b,5.5s		
NEIC	XII	05 17 08 12.0–.00	33.49N	59.31E	11	5.7b,5.5s		
GCMT	XII	05 17 08 12.6–.10	33.41N–.01	59.60E–.01	15	5.8W,5.5s		
DSN	XII	05 17 08 12.2–.49	33.63N	59.49E	6	5.4s,5.4b		
BJI	XII	05 17 08 12.2	33.71N	59.85E	6	6.0s,5.8		
OMAN	XII	05 17 08 13.5–1.4	33.48N	59.76E	5	6.0s,5.8		
NEIC	XII	05 17 08 13.6–1.5	33.51N	59.57E	14–9	5.8W,5.6W		
NNC	XII	05 17 08 16.6–2.2	33.82N	60.00E	0	5.8,5.8b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=16.5.

IDC Error ellipse: s-maj=7.9km s-min=6.1km az=176.0.

THR Error ellipse: s-maj=2.6km s-min=4.2km az=-1.0.

MOS Error ellipse: s-maj=4.7km s-min=3.1km az=123.7.

NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.40 $M_{\theta\theta}$-1.79 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.78 $M_{\theta\phi}$3.57 $M_{\phi r}$3.72 Best double couple: NP1:ϕ_s347.00000°,δ72.00000°,λ132.00000°. NP2:ϕ_s96.00000°,δ45.00000°,λ26.00000°. Principal axes: T 5.9000,Plg45.0000°,Azm300.0000°; N -0.5700,Plg39.0000°,Azm151.0000° ; P -5.3300,Plg15.0000°,Azm47.0000° $M_0$5.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c203; s134,c354; Duration: 1≦9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.92±.04 $M_{\theta\theta}$-1.70±.04; $M_{\phi\phi}$-0.22±.04; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$3.90±.03; $M_{\phi r}$3.82±.13; Best double couple: NP1:ϕ_s348.00000°,δ76.00000°,λ133.00000°. NP2:ϕ_s92.00000°,δ45.00000°,λ19.00000°. Principal axes: T 5.7300,Plg42.0000°,Azm298.0000°; N 0.0440,Plg42.0000°,Azm155.0000° ; P -5.7800,Plg19.0000°,Azm47.0000° $M_0$5.75500×10^{17}

DSN Error ellipse: s-maj=8.7km s-min=6.2km az=103.0.

OMAN Error ellipse: s-maj=38.2km s-min=26.2km az=298.0.

NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=194.0. Felt [IV] at Qayen. Also felt at Birjand. Felt at Herat and Shindand, Afghanistan. Moment Tensor Solution. s66 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.43 $M_{\theta\phi}$2.65 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s91.00000°,δ60.00000°,λ28.00000°. NP2:ϕ_s346.00000° ,δ66.00000°,λ146.00000°. Principal axes: T 2.9000,Plg40.0000°,Azm306.0000° ; N 0.6000,Plg50.0000°,Azm135.0000°; P -3.5100,Plg4.0000°,Azm40.0000° $M_0$3.30000×10^{17}

NNC Event type se. Error ellipse: s-maj=25.6km s-min=15.3km az=26.0.

(178) Kermadec Islands

ISC	**XII**	**05 23 41 55.6–.43**	**31.14S–.06**	**177.50W–.08**	**27**	**5.1b,4.5s**	**142**	**2-162**
IDC	XII	05 23 41 51.2–.64	30.84S	177.42W	0	4.8,4.6		**¶602090151**
BJI	XII	05 23 41 53.8	30.75S	177.24W	16	5.6b,5.4b		
ISCJB	XII	05 23 41 54.1–.20	31.26S–.05	177.54W–.06	27	5.0b,4.5s		
NEIC	XII	05 23 41 54.1–3.1	31.10S	177.52W	18–19	5.0b,4.5s		
GCMT	XII	05 23 41 55.1–.40	30.96S–.03	176.95W–.03	18–1	5.0W,4.5s		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s60,c70;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.35±.18 $M_{\theta\theta}$-0.76±.13; $M_{\phi\phi}$-1.59±.12; $M_{r\theta}$1.57±.36; $M_{\theta\phi}$-1.07±.09; $M_{\phi r}$2.06±.30; Best double couple: NP1:ϕ_s37.00000°,δ69.00000°,λ92.00000°. NP2:ϕ_s212.00000°,δ21.00000°,λ86.00000°. Principal axes: T 3.5040,Plg66.0000°

,Azm309.0000°; N -0.0290,Plg1.0000°,Azm216.0000°; P -3.4720,Plg24.0000°
,Azm125.0000° $M_0$3.48800×10^{16}

(248) Philippine Islands region

ISC	**XII**	**06 00 43 22.9–.34**	**10.97N–.02**	**126.68E–.04**	**22–3**	**5.3b,5.0s**	**891**	**1-173**
BJI	XII	06 00 43 17.9	10.58N	126.92E	26	5.5b,5.2s		**¶601996104**
IDC	XII	06 00 43 19.3–.30	10.92N	126.60E	0	5.1,5.1		
ISCJB	XII	06 00 43 21.0–.71	11.02N–.02	126.70E–.02	19–5	5.2b,5.0s		
KLM	XII	06 00 43 23.0	10.76N	126.83E	10	5.5b,5.0s		
MOS	XII	06 00 43 23.1–1.1	11.02N	126.61E	34	5.5b,5.0s		
MAN	XII	06 00 43 23.9	11.06N	126.58E	26	5.9b,5.4s		
NEIC	XII	06 00 43 24.1–1.2	10.97N	126.64E	31–8	5.4b,5.1s		
GCMT	XII	06 00 43 25.1–.10	11.01N–.01	126.68E–.01	12	5.5W,5.1s		
DJA	XII	06 00 43 28.3–.60	11N–3.0	127E–3.0	59–5	6.0,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V PIVS] at Mercedes; [IV PIVS] at Borongan and General MacArthur; [III PIVS] at Catbalogan, Samar. Felt [IV PIVS] at Tacloban; [III PIVS] at Dulag, Jaro and Tolosa; [II PIVS] at Capoocan and Dagami, Leyte. Also felt at Palo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c169; s137,c256;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.06±.02 $M_{\theta\theta}$0.14±.02; $M_{\phi\phi}$1.92±.03; $M_{r\theta}$-0.15±.08; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.13±.07; Best double couple: NP1:ϕ_s345.00000°,δ46.00000°,λ-82.00000°. NP2:ϕ_s153.00000°,δ44.00000°,λ-98.00000°. Principal axes: T 2.2340,Plg1.0000° ,Azm69.0000°; N -0.1570,Plg6.0000°,Azm159.0000°; P -2.0800,Plg84.0000°,Azm331.0000° $M_0$2.15700×10^{17}

(705) Off west coast of northern Sumatera

ISC	**XII**	**06 02 24 28.7–.27**	**2.36N–.04**	**90.43E–.04**	**35**	**5.0b,4.2s**	**446**	**6-155**
IDC	XII	06 02 24 23.6–.39	2.45N	90.44E	0	4.7,4.7		**¶601996107**
MOS	XII	06 02 24 25.7–.97	2.48N	90.47E	25	5.3b,4.7		
ISCJB	XII	06 02 24 27.0–.16	2.44N–.03	90.45E–.02	33	4.9b,4.2s		
DJA	XII	06 02 24 26.6–.20	3N–4.0	90E–2.0	10	5.9,5.6b		
GCMT	XII	06 02 24 28.3–.20	2.44N–.01	90.49E–.01	24–1	5.1W,5.6b		
NEIC	XII	06 02 24 28.3–1.9	2.42N	90.43E	31–13	5.1b,5.6b		
KLM	XII	06 02 24 28.0	2.71N	90.55E	10	5.2b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=9.5km az=47.0.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=117.7.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=29.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c57; s101,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.17 $M_{\theta\theta}$-3.68±.14; $M_{\phi\phi}$3.59±.13; $M_{r\theta}$-1.23±.21; $M_{\theta\phi}$-2.61±.12; $M_{\phi r}$-2.05±.24; Best double couple: NP1:ϕ_s27.00000°,δ90.00000°,λ-28.00000°. NP2:ϕ_s117.00000°,δ62.00000°,λ-180.00000°. Principal axes: T 4.9760,Plg19.0000° ,Azm76.0000°; N 0.1970,Plg62.0000°,Azm206.0000°; P -5.1670,Plg20.0000°,Azm339.0000° $M_0$5.07100×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=54.0.

(410) Southern Mid-Atlantic Ridge

ISC	**XII**	**06 21 33 25.5–.39**	**54.14S–.07**	**1.93W–.08**	**10**	**5.1s,5.0b**	**70**	**17-176**
ISCJB	XII	06 21 33 23.6–.33	54.09S–.05	1.88W–.10	10	5.1s,4.9b		**¶602005574**
IDC	XII	06 21 33 23.6–.48	54.07S	1.80W	0	5.0L,4.8		
NEIC	XII	06 21 33 25.5–.26	54.18S	1.92W	10	5.3W,5.1s		
BJI	XII	06 21 33 27.8	54.20S	2.00W	10	5.5b,5.1s		
GCMT	XII	06 21 33 28.5–.10	54.25S–.01	1.35W–.01	12	5.3W,5.1s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ69.00000° ,λ153.00000°. NP2:ϕ_s164.00000°,δ65.00000°,λ23.00000°. Principal axes: T 1.1600,Plg34.0000°,Azm23.0000°; N -0.1500,Plg56.0000°,Azm209.0000° ; P -1.0100,Plg3.0000°,Azm115.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c138; s133,c237;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$0.98±.02; $M_{\phi\phi}$-0.81±.02; $M_{r\theta}$0.12±.04; $M_{\theta\phi}$-0.89±.01; $M_{\phi r}$0.25±.04; Best double couple: NP1:ϕ_s248.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s156.00000°,δ80.00000°,λ-10.00000°. Principal axes: T 1.3410,Plg0.0000° ,Azm22.0000°; N -0.0930,Plg76.0000°,Azm290.0000°; P -1.2500,Plg14.0000° ,Azm112.0000° $M_0$1.29600×10^{17}

(229) Off east coast of Honshu

ISC	**XII**	**07 08 18 23.6–.16**	**37.82N–.02**	**144.16E–.02**	**35–2**	**7.3s,7.0b**	**3116**	**2-162**
NIED	XII	07 08 18 00	37.80N	144.20E	11	7.3W,7.0b		**¶602005586**
IDC	XII	07 08 18 17.9–.29	37.91N	144.09E	0	7.3,7.3s		
BJI	XII	07 08 18 19.5	37.78N	144.16E	32	7.6,7.6s		
MOS	XII	07 08 18 20.8–.96	37.95N	144.05E	25	7.5s,7.2b		
ISCJB	XII	07 08 18 20.2–.49	37.89N–.01	144.04E–.01	21–3	7.3s,6.9b		
NEIC	XII	07 08 18 23.1–.06	37.89N	143.95E	31	7.4,7.3W		
NEIC	XII	07 08 18 24.0–.00	38.19N	144.47E	35	7.4,7.3W		
JMA	XII	07 08 18 30.8–.30	38.02N	143.87E	49	7.3,7.3W		
GCMT	XII	07 08 18 46.3–.10	37.77N–.01	143.83E–.01	20–0	7.2W,7.3W		

ISC Event type de.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ16.00000°,λ-54.00000°. NP2:ϕ_s6.00000°,δ77.00000°,λ-100.00000°. $M_0$8.75000×10^{19}
MOS Event type fe. Fault plane solution: P-wave C241, D33 . Felt (III-IV) at Malokuril'skoye; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ66.00000°,λ44.00000°. NP2:ϕ_s60.00000°,δ50.00000°,λ148.00000°. Principal axes: T Plg48.0000°,Azm33.0000°; N Plg41.0000°,Azm194.0000°; P Plg10.0000° ,Azm293.0000° $M_0$2.20000×10^{20}
ISCJB Event type de.
NEIC Event type de. At least 5 people injured in Miyagi and 5 injured in Tokyo. Felt [V] from Aomori to Kawasaki and from Koriyama to Sendai; [IV] at Fussa, Narita, Tokyo and Yokosuka and in Yokohama; [III] in Niigata and at Sagamihara. Felt widely in northern Honshu and parts of southern Hokkaido. Recorded [5L JMA] in Aomori, Ibaraki, Iwate, Miyagi and Tochigi. A tsunami was recorded with a wave height [above sea level] of 17 cm at Ofunato. Apparent Stress 1.78 MPa. Complex earthquake observed on broadband displacement seismograms, with at least one large event following an initial small onset. Depths 31 and 36 km for the initial small onset and first large event, respectively, from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s112 Moment tensor: Scale 10^{19}Nm; M_{rr}8.53 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-8.81 $M_{r\theta}$2.33 $M_{\theta\phi}$-1.36 $M_{\phi r}$-3.26 Best double couple: NP1:ϕ_s172.00000°,δ56.00000°,λ71.00000°. NP2:ϕ_s24.00000° ,δ38.00000°,λ116.00000°. Principal axes: T 9.8000,Plg71.0000°,Azm36.0000° ; N -0.3100,Plg16.0000°,Azm183.0000°; P -9.4900,Plg9.0000°,Azm276.0000° $M_0$9.70000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ31.00000°,λ107.00000°. NP2:ϕ_s175.00000°,δ60.00000°,λ80.00000°. Principal axes: T Plg73.0000°,Azm60.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000° ,Azm272.0000°
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{20}Nm; M_{rr}0.13 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-0.28 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.11 Best double couple: NP1:ϕ_s186.00000° ,δ85.00000°,λ99.00000°. NP2:ϕ_s303.00000°,δ10.00000°,λ28.00000°. Principal axes: T 1.0800,Plg48.0000°,Azm105.0000°; N 0.1200,Plg8.0000°,Azm5.0000° ; P -1.2000,Plg39.0000°,Azm267.0000° $M_0$1.10000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c429; s145,c416;Duration: 11s8 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$0.12±.01; Best double couple: NP1:ϕ_s198.00000°,δ50.00000°,λ-90.00000°. NP2:ϕ_s18.00000°,δ40.00000°,λ-90.00000°. Principal axes: T 0.8760,Plg5.0000° ,Azm288.0000°; N -0.2170,Plg0.0000°,Azm198.0000°; P -0.6590,Plg85.0000° ,Azm107.0000° $M_0$0.76700×10^{20}

(229) Off east coast of Honshu

ISC	**XII**	**07 08 31 13.7–.48**	**37.91N–.03**	**143.91E–.03**	**32–3**	**6.1b**	**1608**	**2-160**
NIED	XII	07 08 31 00	37.90N	143.80E	14	6.1W		**¶602005588**
ISCJB	XII	07 08 31 09.7–.61	37.96N–.01	143.81E–.01	9–3	6.8s,6.0b		
BJI	XII	07 08 31 09.5	37.82N	143.84E	15	6.4,6.4s		
IDC	XII	07 08 31 09.2–.30	37.85N	143.94E	0	5.9,5.8		
JMA	XII	07 08 31 10.2–.20	37.92N	143.86E	30	6.6,5.8		
MOS	XII	07 08 31 13.0–.96	38.16N	143.77E	24	6.3b,5.8		
NEIC	XII	07 08 31 14.0–.00	37.84N	143.63E	11	6.3b,5.8		
NEIC	XII	07 08 31 14.8–.86	37.91N	143.76E	32–6	6.2W,6.1b		
GCMT	XII	07 08 31 16.8–.30	37.94N–.03	143.90E–.03	25–1	6.2W,6.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ42.00000°,λ-86.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ-93.00000°. $M_0$1.43000×10^{18}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type se. Moment Tensor Solution. s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$1.60 $M_{r\theta}$-2.27 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.38 Best double couple: NP1:ϕ_s62.00000° ,δ75.00000°,λ-58.00000°. NP2:ϕ_s174.00000°,δ35.00000°,λ-153.00000°. Principal axes: T 2.6000,Plg23.0000°,Azm127.0000°; N 0.5500,Plg30.0000°,Azm232.0000° ; P -3.1400,Plg49.0000°,Azm6.0000° $M_0$2.90000×10^{18}
NEIC Event type fe. Recorded [3 JMA] in Fukushima and Miyagi.
GCMT nsta1 refers to body waves. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c186;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.36±.20 $M_{\theta\theta}$0.16±.11; $M_{\phi\phi}$2.20±.12; $M_{r\theta}$0.30±.31; $M_{\theta\phi}$1.04±.05; $M_{\phi r}$-0.08±.21; Best double couple: NP1:ϕ_s211.00000°,δ46.00000°,λ-79.00000°. NP2: ϕ_s15.00000°,δ45.00000°,λ-102.00000°. Principal axes: T 2.6370,Plg1.0000°,Azm293.0000° ; N -0.2300,Plg8.0000°,Azm23.0000°; P -2.4050,Plg82.0000°,Azm199.0000° $M_0$2.52100×10^{18}

(229) Off east coast of Honshu

ISC	**XII**	**07 08 48 13.3–.60**	**37.88N–.03**	**143.68E–.04**	**24–4**	**5.4b**	**772**	**2-160**
IDC	XII	07 08 48 09.2–.35	37.78N	143.74E	0	5.0,4.9		**¶602005589**
ISCJB	XII	07 08 48 10.6–.87	37.86N–.02	143.60E–.02	14–5	6.2s,5.3b		
JMA	XII	07 08 48 11.2–.20	37.89N	143.67E	46	5.1,5.3b		
MOS	XII	07 08 48 12.4–.96	38.02N	143.63E	24	5.5b,5.3b		
NEIC	XII	07 08 48 13.0–.91	37.83N	143.61E	20–6	5.5b,5.3b		
BJI	XII	07 08 48 16.7	38.07N	143.01E	33	5.7b,5.7s		

ISC Event type se.
IDC Error ellipse: s-maj=10.7km s-min=9.4km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=158.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=97.7.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.0km az=137.0. Recorded [1 JMA] in Miyagi.

(229) Off east coast of Honshu

ISC	**XII**	**07 09 01 50.7–.36**	**37.79N–.04**	**143.69E–.05**	**19**	**4.6b**	**237**	**2-153**
IDC	XII	07 09 01 48.0–.48	37.76N	143.76E	0	4.5,4.4		**¶602032149**
ISCJB	XII	07 09 01 49.2–.19	37.78N–.03	143.59E–.03	19	6.6s,4.6b		
JMA	XII	07 09 01 50.7–.20	37.94N	143.65E	43	4.4,4.6b		
MOS	XII	07 09 01 50.2–1.1	37.81N	143.53E	27	4.8b,4.6b		
NEIC	XII	07 09 01 52.9–.16	37.74N	143.58E	35	4.7b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.9km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=174.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=97.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=148.0.

(229) Off east coast of Honshu

ISC	**XII**	**07 09 03 38.5–1.1**	**37.63N–.05**	**143.62E–.06**	**29–6**	**4.5b**	**149**	**2-128**
IDC	XII	07 09 03 34.1–.56	37.46N	143.66E	0	5.6,5.6s		**¶602323573**
MOS	XII	07 09 03 36.7–1.4	37.65N	143.69E	30	4.9b,5.6s		
JMA	XII	07 09 03 37.7–.20	37.62N	143.50E	46	4.6,5.6s		
NEIC	XII	07 09 03 39.0–.25	37.51N	143.65E	35	4.7b,5.6s		

ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=12.6km az=133.0.
MOS Error ellipse: s-maj=9.8km s-min=6.1km az=93.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=141.0.

(229) Off east coast of Honshu

ISC	**XII**	**07 09 23 02.7–.58**	**37.84N–.04**	**144.29E–.05**	**31–3**	**4.7b**	**461**	**2-158**
IDC	XII	07 09 22 57.8–.47	37.75N	144.33E	0	4.8L,4.7		**¶602390586**
BJI	XII	07 09 23 00.6	37.98N	144.38E	31	4.8b,4.8b		
MOS	XII	07 09 23 00.2–.90	37.87N	144.25E	25	4.9b,4.8b		
ISCJB	XII	07 09 23 01.5–.93	37.88N–.02	144.20E–.02	32–6	5.8s,4.7b		
NEIC	XII	07 09 23 03.1–.10	37.80N	144.21E	35	4.7b,4.7b		
JMA	XII	07 09 23 03.4–.20	37.91N	144.09E	48	5.4,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.4km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=99.9.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=156.6.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=1.9km az=156.0. Recorded [1 JMA] in Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(229) Off east coast of Honshu

ISC	**XII**	**07 23 00 01.0–.38**	**37.80N–.03**	**143.80E–.03**	**30–2**	**5.6b,4.7s**	**1766**	**2-160**
NIED	XII	07 22 59 00	37.80N	143.70E	5	5.1W,4.7s		**¶602030334**
IDC	XII	07 22 59 56.4–.36	37.70N	143.85E	0	5.4,5.4		
ISCJB	XII	07 22 59 56.5–.60	37.75N–.02	143.75E–.01	8–3	5.5b,4.8s		
JMA	XII	07 22 59 59.5–.20	37.81N	143.71E	44	5.2,4.8s		
MOS	XII	07 23 00 00.8–.86	38.06N	143.72E	28	5.7b,4.7s		
NEIC	XII	07 23 00 00.5–.80	37.74N	143.76E	24–5	5.5b,4.7s		
GCMT	XII	07 23 00 00.5–.20	37.83N–.02	143.81E–.02	12	5.2W,4.7s		
BJI	XII	07 23 00 05.5	38.01N	143.13E	46	5.3b,5.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ27.00000°,λ-122.00000°. NP2:ϕ_s239.00000°,δ67.00000°,λ-75.00000°. $M_0$5.51000×10^{16}
IDC Error ellipse: s-maj=11.3km s-min=9.8km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=170.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=101.4.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=149.0. Recorded [2 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c50; s88,c161;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.79±.18 $M_{\theta\theta}$2.63±.17; $M_{\phi\phi}$3.17±.16; $M_{r\theta}$1.33±.64; $M_{\theta\phi}$4.96±.13; $M_{\phi r}$1.66±.57; Best double couple: NP1:ϕ_s221.00000°,δ54.00000°,λ-93.00000°. NP2:ϕ_s46.00000°,δ36.00000°,λ-86.00000°. Principal axes: T 8.1890,Plg9.0000° ,Azm313.0000°; N -2.0600,Plg2.0000°,Azm223.0000°; P -6.1190,Plg81.0000° ,Azm117.0000° $M_0$7.15400×10^{16}

(206) Near south coast of New Guinea

ISC	**XII**	**08 16 35 18.2–.50**	**7.30S–.03**	**144.02E–.03**	**20–2**	**5.6s,5.5b**	**789**	**4-156**
IDC	XII	08 16 35 14.7–.33	7.18S	144.06E	0	5.4s,5.4		**¶602032199**
BJI	XII	08 16 35 15.8	7.18S	143.97E	10	6.0b,5.5		
NEIC	XII	08 16 35 16.8–.15	7.21S	143.97E	10	5.7b,5.6W		
ISCJB	XII	08 16 35 17.0–.12	7.27S–.02	143.94E–.02	21	5.5s,5.4b		
MOS	XII	08 16 35 17.4–1.2	7.21S	143.98E	24	5.9b,5.3s		
NEIC	XII	08 16 35 17.0–.00	7.11S	143.93E	15	5.9b,5.3s		
DJA	XII	08 16 35 18.7–.90	7S–2.0	144E–3.0	14–6	6.6,6.1b		
GCMT	XII	08 16 35 20.8–.10	7.29S	143.98E	12	5.8W,6.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=92.0. Felt at Kerema, Mendi and Tari. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}3.71 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-1.37 $M_{r\theta}$1.15 $M_{\theta\phi}$1.20 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s123.00000°,δ56.00000° ,λ89.00000°. NP2:ϕ_s305.00000°,δ34.00000°,λ91.00000°. Principal axes: T 3.9700,Plg79.0000°,Azm30.0000°; N -0.5600,Plg1.0000°,Azm124.0000° ; P -3.4100,Plg11.0000°,Azm214.0000° $M_0$3.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=150.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=102.5.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$-2.73 $M_{\phi\phi}$-0.65 $M_{r\theta}$1.68 $M_{\theta\phi}$0.56 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s99.00000° ,δ59.00000°,λ86.00000°. NP2:ϕ_s287.00000°,δ31.00000°,λ97.00000°. Principal axes: T 3.8100,Plg75.0000°,Azm357.0000°; N -0.5300,Plg3.0000°,Azm101.0000° ; P -3.2800,Plg13.0000°,Azm192.0000° $M_0$3.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c243; s144,c437; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.83±.04 $M_{\theta\theta}$-4.05±.04; $M_{\phi\phi}$-1.79±.04; $M_{r\theta}$1.08±.12; $M_{\theta\phi}$2.97±.04; $M_{\phi r}$-0.95±.12; Best double couple: NP1:ϕ_s126.00000°,δ52.00000° ,λ92.00000°. NP2:ϕ_s303.00000°,δ38.00000°,λ87.00000°. Principal axes: T 6.0030,Plg83.0000°,Azm48.0000°; N 0.2530,Plg2.0000°,Azm305.0000° ; P -6.2660,Plg7.0000°,Azm215.0000° $M_0$6.13500×10^{17}

(259) Mindanao

ISC	**XII**	**09 21 45 34.3–.29**	**6.67N–.02**	**126.18E–.03**	**57–2**	**5.3b,4.7s**	**1085**	**0-171**
BJI	XII	09 21 45 28.0	6.19N	126.56E	56	5.5b,5.3b		**¶602032405**
MOS	XII	09 21 45 31.7–1.2	6.70N	126.14E	48	5.5b,4.6s		
ISCJB	XII	09 21 45 33.2–.26	6.69N–.01	126.24E–.02	62–2	5.3b,4.6s		
IDC	XII	09 21 45 33.2–.57	6.71N	126.18E	49–5	5.1,4.9		

NEIC XII 09 21 45 35.2–.49 6.70N 126.17E 63–4 5.6W,5.3b
DJA XII 09 21 45 35.3–.30 7N–2.0 126E–2.0 50–3 6.1,6.1
GCMT XII 09 21 45 36.2–.10 6.79N–.01 126.30E–.01 26–0 5.8W,6.1
MAN XII 09 21 45 36.2 6.94N 126.04E 27 6.2b,5.8s
KLM XII 09 21 45 38.0 6.60N 126.34E 92 5.8b,5.8s
ISC Event type fe.
MOS Error ellipse: s-maj=8.4km s-min=4.2km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=165.6.
IDC Error ellipse: s-maj=11.0km s-min=7.2km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=72.0. Felt [IV PIVS] at Davao, Mati and San Isidro; [III PIVS] at Digos, General Santos, Magugpo, Manay and Padada; [II PIVS] at Bislig, Kidapawan, Koronadal, M'lang, Makilala, Matalam, Polomolok, Tacurong, Tulunan and Tupi. Also felt at Banaybanay, Santa Cruz and Sigaboy. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$0.85 $M_{r\theta}$0.17 $M_{\theta\phi}$-1.52 $M_{\phi r}$2.10 Best double couple: NP1:ϕ_s283.00000°,δ37.00000°,λ-169.00000°. NP2:ϕ_s184.00000° ,δ83.00000°,λ-54.00000°. Principal axes: T 2.8100,Plg29.0000°,Azm246.0000° ; N -0.2400,Plg36.0000°,Azm359.0000°; P -2.5700,Plg41.0000°,Azm127.0000° M_o2.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c169; s117,c236; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.04 $M_{\theta\theta}$0.14±.04; $M_{\phi\phi}$-0.60±.04; $M_{r\theta}$0.50±.09; $M_{\theta\phi}$-1.18±.03; $M_{\phi r}$5.27±.18; Best double couple: NP1:ϕ_s5.00000°,δ87.00000° ,λ78.00000°. NP2:ϕ_s259.00000°,δ12.00000°,λ164.00000°. Principal axes: T 5.2640,Plg47.0000°,Azm263.0000°; N 0.3580,Plg12.0000°,Azm6.0000° ; P -5.6220,Plg41.0000°,Azm106.0000° M_o5.44300×10^{17}

(706) Northern Sumatera

ISC XII 09 21 49 29.6–.92 1.92N–.03 97.92E–.04 52–9 4.5b 70 1-146
ISCJB XII 09 21 49 29.4–.38 1.93N–.03 97.93E–.04 67–4 4.5b **¶602090171**
DJA XII 09 21 49 29.9–.60 2N–2.0 98E–2.0 25–7 5.6b,5.2b
IDC XII 09 21 49 30.7–2.6 1.98N 98.02E 59–21 4.4,4.2
NEIC XII 09 21 49 30.2–.57 1.87N 97.92E 59–5 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=149.6.
IDC Error ellipse: s-maj=24.8km s-min=14.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=49.0.

(362) Western Caucasus

ISC XII 10 16 56 56.1–.69 44.94N–.03 37.53E–.02 31–5 4.9b 637 0-94
PRU XII 10 16 56 50.2–.00 44.09N 36.97E 0 4.9 **¶602033986**
IDC XII 10 16 56 52.4–.37 44.88N 37.55E 0 4.9b,4.8
BJI XII 10 16 56 53.8 44.69N 37.64E 28 5.1b,5.1b
ISCJB XII 10 16 56 54.0–.47 44.95N–.01 37.48E–.01 25–4 5.7s,4.8b
NEIC XII 10 16 56 55.5–.64 44.98N 37.56E 23–5 4.9L,4.9b
SIGU XII 10 16 56 56.1–.50 44.96N 37.58E 24–4 4.6b,4.3W
MOS XII 10 16 56 56.4–.00 44.81N 37.53E 31–0 5.3,4.3W
NNC XII 10 16 56 59.0–1.7 45.06N 38.67E 0 4.8b,4.3W
DDA XII 10 16 57 42.6 44.96N 37.59E 16 4.9L,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=7.4km s-min=5.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=16.8.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=201.0. Felt [V] at Novorossiysk. Also felt at Anapa, Krasnodar, Krymsk and Tuapse.
MOS Event type se. FELT I=V MSK at Anapa, Anapskaya, Su-Pseh, Varvarovka, Pavlovka, Sukko, Gai-Kodzor, Rassvet;) IV-V MSK at Natukhaevskaya, Verkhne-Baranskaya,Novorossiysk; IV MSK at Voskresensk, Vityazevo; III-IV MSK at Gostagaevskaya, Krymsk, Krasnodar, Gelendjik; III MSK at Jurovka, Fadeevo, Tempuk; II-III MSK at Abinsk, Slavyansk-na-Kubani; II MSK at Korenovsk, Medvedskaya, Belorechensk, Djiginka, Mirchanka.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=20.0km az=104.0.
DDA Event type ke.

(266) Northern Molucca Sea

ISC XII 11 06 18 29.0–.30 0.56N–.02 126.22E–.03 44–2 5.9b,5.7s 1778 1-174
BJI XII 11 06 18 22.6 0.11N 126.33E 33 5.7b,5.7s **¶602036632**
MOS XII 11 06 18 26.6–1.0 0.56N 126.19E 33 6.2b,5.5s
IDC XII 11 06 18 27.3–1.3 0.50N 126.17E 28–8 5.8,5.6
NEIC XII 11 06 18 27.0–.00 0.39N 126.15E 40 5.8,5.6
NEIC XII 11 06 18 27.3–.06 0.53N 126.23E 30 6.0,6.0W
ISCJB XII 11 06 18 28.0–.26 0.55N–.01 126.26E–.02 48–2 5.9b,5.7s
DJA XII 11 06 18 30.5–.20 1N–2.0 126E–1.0 56–2 6.2b,6.0
GCMT XII 11 06 18 31.3–.10 0.65N 126.20E 31–0 6.0W,6.0
KLM XII 11 06 18 31.0 0.51N 126.36E 66 6.0b,6.0
ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=110.5.
IDC Error ellipse: s-maj=10.2km s-min=7.3km az=69.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ50.00000° ,λ62.00000°. NP2:ϕ_s40.00000°,δ47.00000°,λ119.00000°. Principal axes: T 1.1000,Plg68.0000°,Azm24.0000°; N -0.0100,Plg21.0000°,Azm199.0000° ; P -1.0900,Plg1.0000°,Azm290.0000°
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=63.0. Felt [III] on Pulau Ternate. Apparent Stress 0.61 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}6.06 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-5.57 $M_{r\theta}$1.27 $M_{\theta\phi}$-4.89 $M_{\phi r}$-3.91 Best double couple: NP1: ϕ_s186.00000°,δ61.00000°,λ58.00000°. NP2:ϕ_s58.00000°,δ42.00000°,λ133.00000°. Principal axes: T 8.1900,Plg60.0000°,Azm48.0000°; N 0.8600,Plg27.0000°,Azm203.0000° ; P -9.0500,Plg11.0000°,Azm298.0000° M_o8.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s64.00000°,δ36.00000°,λ144.00000°. NP2: ϕ_s185.00000°,δ70.00000°,λ60.00000°. Principal axes: T Plg55.0000°,Azm57.0000° ; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm297.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=164.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c267; s134,c410; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.89±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$-1.17±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$-0.72±.01; $M_{\phi r}$-0.62±.02; Best double couple: NP1:ϕ_s185.00000° ,δ61.00000°,λ68.00000°. NP2:ϕ_s45.00000°,δ36.00000°,λ124.00000°. Principal axes: T 1.0920,Plg66.0000°,Azm54.0000°; N 0.5120,Plg19.0000°,Azm196.0000° ; P -1.6050,Plg13.0000°,Azm291.0000° M_o1.34900×10^{18}

(178) Kermadec Islands

ISC XII 13 00 53 28.0–.25 30.89S–.04 178.22W–.05 36–2 5.5b,4.9s 897 2-174
NEIC XII 13 00 53 28.8–.71 30.91S 178.39W 39–6 5.5b,5.3W **¶602090183**
MOS XII 13 00 53 28.4–.96 30.80S 178.30W 44 5.6b,4.9s
WEL XII 13 00 53 28.0 30.91S 178.39W 39 6.0L,4.9s
ISCJB XII 13 00 53 29.9–.10 31.13S–.02 178.39W–.03 62 5.4b,4.9s
GCMT XII 13 00 53 30.8–.10 30.86S–.01 177.95W–.01 52–0 5.4W,4.9s
BJI XII 13 00 53 31.0 30.90S 178.30W 65 5.6b,5.3b
IDC XII 13 00 53 32.7–1.2 30.55S 178.22W 72–9 5.1,4.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=140.0. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.81 $M_{r\theta}$-0.10 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.08 Best double couple: NP1:ϕ_s29.00000°,δ45.00000°,λ81.00000°. NP2:ϕ_s221.00000° ,δ45.00000°,λ99.00000°. Principal axes: T 1.1900,Plg84.0000°,Azm216.0000° ; N 0.0500,Plg6.0000°,Azm35.0000°; P -1.2400,Plg0.0000°,Azm125.0000° M_o1.20000×10^{17}
MOS Error ellipse: s-maj=9.6km s-min=8.3km az=71.8.
WEL manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=35.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c154; s103,c160;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.49±.03 $M_{\theta\theta}$-0.00±.02; $M_{\phi\phi}$-1.49±.02; $M_{r\theta}$-0.15±.02; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s197.00000°,δ45.00000°,λ98.00000°. NP2:ϕ_s6.00000°,δ45.00000°,λ82.00000°. Principal axes: T 1.5050,Plg84.0000° ,Azm191.0000°; N 0.0470,Plg6.0000°,Azm11.0000°; P -1.5540,Plg0.0000°,Azm281.0000° M_o1.53000×10^{17}
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=117.0.

(73) El Salvador

ISC XII 13 21 26 43.9–.71 13.04N–.04 90.05W–.04 46–5 5.4b,5.0s 1753 1-164
NEIC XII 13 21 26 39.2–.13 13.07N 89.97W 10 5.5b,5.3W **¶602043440**
MOS XII 13 21 26 42.8–.84 13.17N 89.92W 50 5.6b,5.0s
UCR XII 13 21 26 42.9–2.5 12.88N 90.16W 32–10 5.5b,4.9
GCMT XII 13 21 26 43.2–.10 12.87N–.01 90.53W–.01 14–0 5.4W,4.9
ISCJB XII 13 21 26 45.5–.24 13.18N–.01 89.89W–.02 75–2 5.3b,4.9
IDC XII 13 21 26 45.5–1.8 13.29N 89.76W 56–15 5.1,5.0
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=39.0. Felt at Acajutla. Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ67.00000°,λ88.00000°. NP2: ϕ_s315.00000°,δ23.00000°,λ95.00000°. Principal axes: T 1.0900,Plg68.0000°,Azm36.0000° ; N -0.0800,Plg2.0000°,Azm131.0000°; P -1.0100,Plg22.0000°,Azm222.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=96.7.
UCR Error ellipse: s-maj=4.2km s-min=14.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c172; s119,c212;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$0.59±.04; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.59±.04; Best double couple: NP1:ϕ_s126.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s283.00000°,δ30.00000°,λ70.00000°. Principal axes: T 1.4960,Plg71.0000° ,Azm61.0000°; N 0.0320,Plg10.0000°,Azm301.0000°; P -1.5260,Plg16.0000°,Azm208.0000° M_o1.51100×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.8km az=139.7.
IDC Error ellipse: s-maj=15.3km s-min=7.9km az=52.0.

(654) East of Severnaya Zemlya

ISC XII 13 23 03 39.0–.39 80.80N–.03 121.75E–.03 15–2 5.7b,5.2s 2132 9-171
ISCJB XII 13 23 03 35.8–.54 80.88N–.01 121.90E–.06 6–3 5.6b,5.2s **¶602043449**
BJI XII 13 23 03 35.6 80.80N 121.40E 10 5.8b,5.6s
IDC XII 13 23 03 36.2–.28 80.84N 122.00E 0 5.1,5.0
MOS XII 13 23 03 36.6–.87 80.75N 121.80E 10 5.9b,5.1s
GCMT XII 13 23 03 37.5–.10 80.88N–.01 121.39E–.03 12 5.6W,5.1s
NEIC XII 13 23 03 38.5–.08 80.80N 121.38E 10 5.7b,5.6W
IEPN XII 13 23 03 38.0 80.86N 121.67E 5 5.7b,5.6W
NEIC XII 13 23 03 38.0–.00 80.78N 121.56E 11 5.7b,5.6W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.2km s-min=1.4km az=157.6.
IDC Error ellipse: s-maj=7.9km s-min=7.4km az=173.0.
MOS Error ellipse: s-maj=17.9km s-min=3.9km az=94.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c159; s136,c373;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.03 $M_{\theta\theta}$0.59±.03; $M_{\phi\phi}$2.62±.03; $M_{r\theta}$-0.12±.09; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.08±.08; Best double couple: NP1:ϕ_s339.00000°,δ45.00000°,λ-87.00000°. NP2:ϕ_s154.00000°,δ45.00000°,λ-93.00000°. Principal axes: T 3.1010,Plg0.0000° ,Azm66.0000°; N 0.1110,Plg2.0000°,Azm156.0000°; P -3.2060,Plg88.0000°,Azm330.0000° M_o3.15400×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=158.0. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.85 $M_{\theta\theta}$0.50 $M_{\phi\phi}$1.36 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.94 $M_{\phi r}$-1.83 Best double couple: NP1:ϕ_s336.00000°,δ68.00000°,λ-83.00000°. NP2:ϕ_s138.00000° ,δ23.00000°,λ-107.00000°. Principal axes: T 2.7600,Plg23.0000°,Azm61.0000° ; N -0.0600,Plg7.0000°,Azm154.0000°; P -2.7000,Plg66.0000°,Azm259.0000° M_o2.70000×10^{17}
IEPN station ZFI2 has station magnitude of 3.92.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.21 $M_{\theta\theta}$0.21 $M_{\phi\phi}$2.00 $M_{r\theta}$0.70 $M_{\theta\phi}$-1.06 $M_{\phi r}$0.87 Best double couple: NP1:ϕ_s177.00000° ,δ55.00000°,λ-62.00000°. NP2:ϕ_s314.00000°,δ43.00000°,λ-123.00000°. Principal axes: T 2.5400,Plg6.0000°,Azm247.0000°; N 0.1300,Plg22.0000°,Azm340.0000° ; P -2.6700,Plg66.0000°,Azm142.0000° M_o2.60000×10^{17}

(190) New Ireland region

ISC XII 14 02 34 52.8–.26 5.02S–.04 152.96E–.04 43 5.0b,4.5s 306 1-158
IDC XII 14 02 34 46.8–.42 5.01S 153.02E 0 4.9,4.8 **¶602043472**
ISCJB XII 14 02 34 50.9–.18 5.02S–.03 153.01E–.03 43 4.9b,4.5s
MOS XII 14 02 34 50.4–1.1 4.93S 152.97E 33 5.4b,4.5s
BJI XII 14 02 34 51.6 4.56S 152.97E 30 5.2b,4.9b
NEIC XII 14 02 34 52.5–.60 5.02S 152.96E 43–5 5.0b,4.9b
DJA XII 14 02 34 53.4–.80 5S–5.0 153E–7.0 65–11 5.5b,5.0b
GCMT XII 14 02 34 53.5–.20 5.33S–.01 152.88E–.01 31–0 5.2W,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c110; s93,c133;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53±.02 $M_{\theta\theta}$-0.55±.01; $M_{\phi\phi}$0.02±.02; $M_{r\theta}$0.67±.03; $M_{\theta\phi}$0.39±.01; $M_{\phi r}$-0.12±.03; Best double couple: NP1:ϕ_s102.00000°,δ69.00000°,λ76.00000°. NP2:ϕ_s317.00000°,δ25.00000°,λ123.00000°. Principal axes: T 0.8490,Plg63.0000° ,Azm350.0000°; N 0.1770,Plg13.0000°,Azm107.0000°; P -1.0260,Plg23.0000° ,Azm203.0000° M_o0.93700×10^{17}

(70) Guatemala

ISC XII 14 04 04 06.1–.64 14.01N–.04 91.81W–.04 31–4 5.2b,4.9s 1192 1-160
IDC XII 14 04 04 05.7–2.4 13.84N 91.76W 34–16 4.9,4.8 **¶602043482**
GCMT XII 14 04 04 05.9–.10 13.77N–.01 92.34W–.01 13–0 5.3W,4.8
MOS XII 14 04 04 06.9–.99 14.00N 91.70W 50 5.3b,4.8s
UCR XII 14 04 04 06.0–1.5 13.80N 92.02W 26–107 5.2b,4.7L
BJI XII 14 04 04 06.4 14.00N 91.70W 46 5.5s,5.4b
NEIC XII 14 04 04 06.9–.37 13.93N 91.68W 37–3 5.2W,5.2b
MEX XII 14 04 04 09.5–.85 14.03N 92.28W 20–62 5.1,5.2b
ISCJB XII 14 04 04 09.5–.37 14.08N–.02 91.65W–.02 74–3 5.1b,5.2b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c193; s108,c197;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.02 $M_{\theta\theta}$-0.83±.01; $M_{\phi\phi}$-0.16±.02; $M_{r\theta}$0.52±.04; $M_{\theta\phi}$0.43±.01; $M_{\phi r}$-0.48±.04; Best double couple: NP1:ϕ_s125.00000°,δ62.00000°,λ99.00000°. NP2:ϕ_s287.00000°,δ29.00000°,λ73.00000°. Principal axes: T 1.2360,Plg71.0000° ,Azm55.0000°; N 0.0190,Plg8.0000°,Azm301.0000°; P -1.2550,Plg17.0000°,Azm209.0000° M_o1.24500×10^{17}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{16}Nm; M_{rr}7.10 $M_{\theta\theta}$-6.02 $M_{\phi\phi}$-1.08 $M_{r\theta}$2.05 $M_{\theta\phi}$2.14 $M_{\phi r}$-1.95 Best double couple: NP1:ϕ_s119.00000° ,δ56.00000°,λ99.00000°. NP2:ϕ_s283.00000°,δ35.00000°,λ77.00000°. Principal axes: T 7.7200,Plg77.0000°,Azm58.0000°; N -0.4200,Plg7.0000°,Azm293.0000° ; P -7.3000,Plg10.0000°,Azm202.0000° M_o7.50000×10^{16}
ISCJB Event type se.

(47) Off west coast of Baja California

ISC XII 14 10 36 01.8–.48 31.11N–.03 119.63W–.03 16–2 6.2s,6.2b 2522 2-163
BJI XII 14 10 35 57.5 31.21N 119.52W 10 6.6b,6.4s **¶602043521**
MOS XII 14 10 35 59.8–.83 31.16N 119.68W 13 6.4b,6.3s
NEIC XII 14 10 36 01.6–.14 31.10N 119.66W 13 6.4W,6.3W
NEIC XII 14 10 36 01.0–.00 31.22N 119.67W 15 6.4W,6.3W
PAS XII 14 10 36 02.0–.00 31.35N 119.60W 11 6.4W,6.3W
ECX XII 14 10 36 02.3 31.14N 119.28W 12 6.4s,6.1L
ISCJB XII 14 10 36 03.2–.46 31.25N–.01 119.53W–.01 32–3 6.2s,6.1b
GCMT XII 14 10 36 04.6–.00 31.08N 119.61W 21–0 6.4W,6.1b
IDC XII 14 10 36 04.6–2.2 31.17N 119.58W 33–16 6.0,6.0
MEX XII 14 10 36 04.8–1.1 31.20N 119.40W 15–391 6.4,6.0
ANF XII 14 10 36 09.1–1.1 31.51N 119.30W 35–9 6.1L,6.0
NEIC XII 14 10 36 24.5–.00 31.34N 119.80W 26 6.1L,6.0
ISC Event type fe.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=74.5.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=222.0. Felt [V] at Ensenada and [III] at Rosarito and Tijuana. Also felt at Camalu and Mexicali. Felt [IV] at San Diego and [III] in many areas inland and along the coastline of southern California. Also felt in parts of northern California, Arizona and Nevada. Apparent Stress 0.28 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.54 $M_{\theta\theta}$0.91 $M_{\phi\phi}$2.62 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.85 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s20.00000°,δ54.00000°,λ-93.00000°. NP2: ϕ_s204.00000°,δ36.00000°,λ-87.00000°. Principal axes: T 3.1300,Plg9.0000°,Azm112.0000° ; N 0.5700,Plg2.0000°,Azm21.0000°; P -3.7100,Plg81.0000°,Azm279.0000° M_o3.50000×10^{18}
NEIC Event type se. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.77 $M_{\theta\theta}$1.05 $M_{\phi\phi}$2.73 $M_{r\theta}$0.65 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s226.00000° ,δ47.00000°,λ-7.00000°. NP2:ϕ_s23.00000°,δ45.00000°,λ-106.00000°. Principal axes: T 4.2300,Plg0.0000°,Azm304.0000°; N -0.3100,Plg11.0000°,Azm34.0000° ; P -3.9200,Plg78.0000°,Azm210.0000° M_o4.10000×10^{18}
PAS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=33.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c347; s149,c593; Duration: 3s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.03±.03 $M_{\theta\theta}$0.90±.02; $M_{\phi\phi}$3.13±.02; $M_{r\theta}$-0.53±.04; $M_{\theta\phi}$2.59±.02; $M_{\phi r}$-0.76±.04; Best double couple: NP1:ϕ_s34.00000°,δ51.00000° ,λ-90.00000°. NP2:ϕ_s213.00000°,δ39.00000°,λ-91.00000°. Principal axes: T 4.9320,Plg6.0000°,Azm123.0000°; N -0.8030,Plg0.0000°,Azm213.0000° ; P -4.1270,Plg84.0000°,Azm307.0000° M_o4.52900×10^{18}
IDC Error ellipse: s-maj=10.8km s-min=7.7km az=56.0.
MEX Error ellipse: s-maj=39.0km s-min=413.2km az=-1.0.

ANF Error ellipse: s-maj=7.4km s-min=3.7km az=50.0.
NEIC Event type se. Moment Tensor Solution. s74 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.63 $M_{\theta\theta}$1.08 $M_{\phi\phi}$3.55 $M_{r\theta}$-1.21 $M_{\theta\phi}$2.59 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s192.00000° ,δ54.00000°,λ-117.00000°. NP2:ϕ_s52.00000°,δ44.00000°,λ-58.00000°. Principal axes: T 5.2600,Plg5.0000°,Azm300.0000°; N 0.2200,Plg21.0000°,Azm208.0000° ; P -5.4900,Plg68.0000°,Azm43.0000° $M_0$5.40000×10^{18}

(181) Fiji Islands region

ISC	**XII**	**14 16 52 42.8–.29**	**15.55S–.05**	**177.91W–.05**	**35**	**5.5s,5.2b**	**395**	**8-178**
IDC	XII	14 16 52 36.4–.52	15.23S	178.13W	0	5.4,5.3		**¶602043562**
NEIC	XII	14 16 52 38.2–.17	15.31S	178.19W	10	5.6s,5.4b		
ISCJB	XII	14 16 52 40.7–.16	15.42S–.04	178.14W–.03	33	5.5s,5.1b		
MOS	XII	14 16 52 41.2–1.1	15.30S	178.15W	39	5.5s,5.3b		
GCMT	XII	14 16 52 43.2–.10	15.28S–.01	177.96W–.01	15–0	5.8W,5.3b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c236; s144,c416; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28±.06 $M_{\theta\theta}$-0.94±.06; $M_{\phi\phi}$1.21±.06; $M_{r\theta}$0.22±.18; $M_{\theta\phi}$7.09±.06; $M_{\phi r}$-2.47±.21; Best double couple: NP1:ϕ_s356.00000°,δ89.00000° ,λ-161.00000°. NP2:ϕ_s266.00000°,δ71.00000°,λ-1.00000°. Principal axes: T 7.6930,Plg13.0000°,Azm129.0000°; N -0.2080,Plg71.0000°,Azm359.0000° ; P -7.4860,Plg14.0000°,Azm222.0000° $M_0$7.58900×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XII**	**15 04 27 01.9–.26**	**37.35N–.03**	**141.31E–.03**	**61–2**	**5.2b**	**1318**	**0-162**
BJI	XII	15 04 26 59.5	37.34N	141.24E	59	5.4b,5.4b		**¶602043656**
MOS	XII	15 04 27 00.6–.93	37.41N	141.27E	56	5.5b,4.1s		
NIED	XII	15 04 27 00	37.30N	141.40E	59	5.2W,4.1s		
JMA	XII	15 04 27 01.6–.10	37.30N	141.35E	59–1	5.3,4.1s		
ISCJB	XII	15 04 27 01.8–.20	37.32N–.02	141.23E–.02	68–1	5.1b,4.1s		
IDC	XII	15 04 27 02.1–.31	37.30N	141.15E	59–2	5.2,5.0		
NEIC	XII	15 04 27 02.3–.22	37.31N	141.21E	63–2	5.2b,5.0		
GCMT	XII	15 04 27 03.3–.20	37.37N–.01	141.23E–.02	59–2	5.2W,5.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ17.00000°,λ130.00000°. NP2:ϕ_s206.00000°,δ77.00000°,λ79.00000°. $M_0$7.61000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Sendai and [II] at Tokyo. Felt in much of east-central and northern Honshu. Recorded [4 JMA] in Fukushima and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c122; s93,c153;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.24 $M_{\theta\theta}$-1.54±.23; $M_{\phi\phi}$-1.78±.24; $M_{r\theta}$-3.87±.19; $M_{\theta\phi}$-2.89±.18; $M_{\phi r}$-6.92±.20; Best double couple: NP1:ϕ_s210.00000°,δ77.00000°,λ81.00000°. NP2:ϕ_s65.00000°,δ15.00000°,λ124.00000°. Principal axes: T 8.4150,Plg57.0000° ,Azm109.0000°; N 0.9290,Plg8.0000°,Azm212.0000°; P -9.3440,Plg32.0000°,Azm307.0000° $M_0$8.88000×10^{16}

(5) Near Islands

ISC	**XII**	**15 04 49 31.5–.19**	**52.24N–.03**	**174.07E–.03**	**39–2**	**5.8b,5.7s**	**2396**	**0-164**
MOS	XII	15 04 49 27.3–.79	52.29N	174.07E	22	6.0b,5.7s		**¶602043659**
AEIC	XII	15 04 49 28.4–.00	52.20N	173.69E	45	6.0b,5.7s		
BJI	XII	15 04 49 28.6	52.34N	173.91E	30	6.2b,5.9b		
ISCJB	XII	15 04 49 29.6–.35	52.20N–.02	174.17E–.02	38–3	5.7b,5.7s		
IDC	XII	15 04 49 29.5–1.3	52.31N	174.09E	24–7	5.7,5.6		
NEIC	XII	15 04 49 29.6–.07	52.29N	174.01E	26	6.0W,5.9W		
NEIC	XII	15 04 49 30.0–.00	52.24N	173.96E	35	6.0W,5.9W		
GCMT	XII	15 04 49 33.6–.10	52.31N–.01	173.96E–.01	33–0	6.0W,5.9W		

ISC Event type fe.
AEIC Event type se.
ISCJB Event type fe.
NEIC Event type fe. Felt on Adak and Shemya. Apparent Stress 0.23 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s123 Moment tensor: Scale 10^{17}Nm; M_{rr}5.50 $M_{\theta\theta}$-5.91 $M_{\phi\phi}$0.42 $M_{r\theta}$4.56 $M_{\theta\phi}$-1.36 $M_{\phi r}$3.61 Best double couple: NP1:ϕ_s277.00000°,δ27.00000°,λ124.00000°. NP2: ϕ_s60.00000°,δ68.00000°,λ74.00000°. Principal axes: T 8.2700,Plg63.0000°,Azm304.0000° ; N 0.0000,Plg15.0000°,Azm66.0000°; P -8.2700,Plg22.0000°,Azm162.0000° $M_0$8.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s60.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm330.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm150.0000°
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ75.00000° ,λ73.00000°. NP2:ϕ_s287.00000°,δ22.00000°,λ137.00000°. Principal axes: T 1.2200,Plg56.0000°,Azm305.0000°; N -0.0300,Plg16.0000°,Azm61.0000° ; P -1.1900,Plg28.0000°,Azm160.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c309; s143,c428; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.71±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$0.20±.01; $M_{r\theta}$0.79±.01; $M_{\theta\phi}$-0.13±.01; $M_{\phi r}$0.68±.01; Best double couple: NP1:ϕ_s57.00000°,δ73.00000° ,λ69.00000°. NP2:ϕ_s289.00000°,δ27.00000°,λ139.00000°. Principal axes: T 1.3450,Plg57.0000°,Azm300.0000°; N -0.0050,Plg20.0000°,Azm64.0000° ; P -1.3400,Plg25.0000°,Azm163.0000° $M_0$1.34200×10^{18}

(190) New Ireland region

ISC	**XII**	**15 07 33 14.1–.26**	**4.84S–.04**	**153.46E–.04**	**56**	**5.1b,4.2s**	**388**	**1-158**
MOS	XII	15 07 33 11.4–.93	4.80S	153.43E	42	5.4b,4.2s		**¶602043683**
IDC	XII	15 07 33 12.8–1.6	4.84S	153.45E	44–15	4.9,4.7		
ISCJB	XII	15 07 33 12.6–.15	4.90S–.02	153.43E–.03	56	5.1b,4.2s		
BJI	XII	15 07 33 13.7	4.55S	153.61E	59	5.3b,5.2b		
NEIC	XII	15 07 33 14.4–.45	4.89S	153.41E	59–4	5.1b,5.2b		
GCMT	XII	15 07 33 14.4–.30	4.91S–.02	153.39E–.03	46–1	5.1W,5.2b		
DJA	XII	15 07 33 15.4–.80	5S–4.0	154E–6.0	79–9	7.1,6.0b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c71; s65,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.79±.23 $M_{\theta\theta}$-2.17±.18; $M_{\phi\phi}$-2.61±.17; $M_{r\theta}$-1.16±.18; $M_{\theta\phi}$2.31±.13; $M_{\phi r}$2.33±.18; Best double couple: NP1:ϕ_s325.00000°,δ59.00000°,λ97.00000°. NP2:ϕ_s131.00000°,δ31.00000°,λ78.00000°. Principal axes: T 5.4950,Plg75.0000° ,Azm255.0000°; N -0.1490,Plg6.0000°,Azm141.0000°; P -5.3360,Plg14.0000°,Azm50.0000° $M_0$5.41500×10^{16}

(76) Off coast of central America

ISC	**XII**	**15 12 43 27.2–.64**	**12.09N–.04**	**88.79W–.04**	**23–4**	**5.0b,4.1s**	**662**	**1-149**
IDC	XII	15 12 43 21.7–.52	12.09N	88.80W	0	4.7,4.5		**¶602043732**
UCR	XII	15 12 43 24.1–2.4	12.04N	88.91W	14–14	5.0b,4.4L		
ISCJB	XII	15 12 43 26.0–.84	12.25N–.02	88.68W–.02	19–6	4.9b,4.1s		
GCMT	XII	15 12 43 28.1–.20	11.88N–.02	89.17W–.02	12	5.1W,4.1s		
NEIC	XII	15 12 43 30.1–.29	12.25N	88.61W	35	5.0b,4.1s		
BJI	XII	15 12 43 30.3	12.30N	88.60W	30	5.5b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=10.5km az=58.0.
UCR Error ellipse: s-maj=5.8km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.6km az=40.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c70; s103,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.70±.09 $M_{\theta\theta}$2.42±.09; $M_{\phi\phi}$2.28±.10; $M_{r\theta}$-0.72±.35; $M_{\theta\phi}$-2.39±.08; $M_{\phi r}$1.13±.33; Best double couple: NP1:ϕ_s138.00000°,δ53.00000°,λ-86.00000°. NP2:ϕ_s311.00000°,δ37.00000°,λ-96.00000°. Principal axes: T 4.9180,Plg8.0000° ,Azm225.0000°; N -0.0220,Plg4.0000°,Azm315.0000°; P -4.8960,Plg81.0000°,Azm69.0000° $M_0$4.90700×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=30.0.

(190) New Ireland region

ISC	**XII**	**15 19 30 03.1–.28**	**4.64S–.03**	**153.08E–.03**	**59–2**	**6.0b,5.7s**	**2102**	**1-166**
ISCJB	XII	15 19 30 00.4–.55	4.60S–.02	153.02E–.01	46–4	5.9b,5.6s		**¶602043763**
MOS	XII	15 19 30 00.9–.92	4.59S	153.07E	52	6.4b,5.7s		
IDC	XII	15 19 30 01.0–1.0	4.63S	153.10E	37–7	6.0,6.0L		
BJI	XII	15 19 30 01.5	4.71S	152.92E	60	6.1b,6.1b		
NEIC	XII	15 19 30 02.2–.07	4.63S	153.02E	52	6.1W,6.1W		
NEIC	XII	15 19 30 03.0–.00	4.72S	152.96E	60	6.1W,6.1W		
DJA	XII	15 19 30 06.4–.70	5S–3.0	153E–3.0	89–6	6.4,6.3b		
GCMT	XII	15 19 30 06.2–.10	4.88S	152.95E	57–0	6.1W,6.3b		
NEIC	XII	15 19 30 20.5–.00	4.78S	152.87E	55	6.1W,6.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=11.0.
MOS Error ellipse: s-maj=6.1km s-min=4.9km az=102.5.
IDC Error ellipse: s-maj=10.5km s-min=7.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=2.4km az=138.0. Apparent Stress 0.20 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s37 Moment tensor: Scale 10^{18}Nm; M_{rr}1.70 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.86 $M_{\theta\phi}$0.25 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s291.00000° ,δ32.00000°,λ106.00000°. NP2:ϕ_s91.00000°,δ59.00000°,λ80.00000°. Principal axes: T 1.9500,Plg74.0000°,Azm336.0000°; N -0.3400,Plg9.0000°,Azm97.0000° ; P -1.6100,Plg14.0000°,Azm189.0000° $M_0$1.80000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s265.00000°,δ30.00000°,λ90.00000°. NP2: ϕ_s85.00000°,δ60.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm355.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm175.0000°
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}1.37 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.78 $M_{\theta\phi}$0.19 $M_{\phi r}$0.23 Best double couple: NP1:ϕ_s87.00000° ,δ60.00000°,λ78.00000°. NP2:ϕ_s290.00000°,δ32.00000°,λ110.00000°. Principal axes: T 1.6300,Plg71.0000°,Azm328.0000°; N -0.1200,Plg10.0000°,Azm92.0000° ; P -1.5100,Plg14.0000°,Azm185.0000° $M_0$1.60000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c319; s135,c464; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$-1.59±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.62±.01; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$0.15±.01; Best double couple: NP1:ϕ_s87.00000°,δ56.00000° ,λ81.00000°. NP2:ϕ_s282.00000°,δ35.00000°,λ102.00000°. Principal axes: T 1.6390,Plg77.0000°,Azm329.0000°; N 0.0800,Plg7.0000°,Azm92.0000° ; P -1.7160,Plg11.0000°,Azm184.0000° $M_0$1.67700×10^{18}
NEIC Event type se. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.57 $M_{\theta\phi}$0.15 $M_{\phi r}$0.22 Best double couple: NP1:ϕ_s285.00000° ,δ35.00000°,λ105.00000°. NP2:ϕ_s87.00000°,δ56.00000°,λ80.00000°. Principal axes: T 1.6600,Plg76.0000°,Azm324.0000°; N -0.1400,Plg9.0000°,Azm93.0000° ; P -1.5300,Plg10.0000°,Azm185.0000° $M_0$1.60000×10^{18}

(267) Halmahera

ISC	**XII**	**16 23 43 47.4–1.1**	**2.4N–.10**	**128.7E–.20**	**35**	**4.0b**	**9**	**2-69**
IDC	XII	16 23 43 43.7–1.2	1.54N	126.47E	0	4.2,4.0		**¶602391500**
ISCJB	XII	16 23 43 44.4–.85	2.51N–.10	128.8E–.20	33	4.0b,4.0		
DJA	XII	16 23 43 48.7–.40	0N–7.0	129E–5.0	10	6.2b,6.2b		

ISC Event type ke.
ISCJB Event type ke.

(256) Leyte

ISC	**XII**	**16 23 58 26.7–.63**	**11.03N–.03**	**124.59E–.03**	**13–3**	**4.4b**	**99**	**0-94**
MAN	XII	16 23 58 25.5	10.98N	124.64E	3	5.5b,4.7s		**¶602046996**
BJI	XII	16 23 58 28.0	10.67N	124.79E	65	4.9b,4.5b		
NEIC	XII	16 23 58 30.7–.89	11.09N	124.82E	46–8	4.5b,4.5b		
IDC	XII	16 23 58 34.1–3.5	11.01N	124.76E	78–35	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=4.4km az=71.0. Felt [IV PIVS] at Dulag, Ormoc and Tolosa; [III PIVS] at Palo and Tacloban; [II PIVS] at Leyte. Also felt at Naga, Cebu.
IDC Error ellipse: s-maj=30.1km s-min=13.5km az=73.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**XII**	**17 09 16 31.3–.36**	**0.69S–.03**	**123.88E–.03**	**46–2**	**5.8b,5.6s**	**1736**	**1-176**
BJI	XII	17 09 16 26.1	0.70S	123.80E	15	5.9b,5.8s		**¶602043844**
IDC	XII	17 09 16 28.5–1.3	0.56S	123.77E	27–7	5.4s,5.4		
NEIC	XII	17 09 16 28.0–.00	0.81S	123.94E	30	5.4s,5.4		
MOS	XII	17 09 16 29.1–1.3	0.51S	123.80E	39	5.8b,5.4s		
NEIC	XII	17 09 16 30.9–.36	0.65S	123.81E	44–3	6.4,6.1W		
GCMT	XII	17 09 16 31.9–.10	0.69S	123.93E	37–0	6.1W,6.1W		
ISCJB	XII	17 09 16 31.3–.27	0.72S–.01	123.86E–.01	63–2	5.7b,6.1W		
DJA	XII	17 09 16 33.4–.20	1S–2.0	124E–1.0	45–2	6.4,6.4b		
KLM	XII	17 09 16 35.0	0.77S	123.91E	65	6.1b,6.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.9km s-min=8.2km az=58.0.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-1.30 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.35 $M_{\phi r}$0.75 Best double couple: NP1:ϕ_s125.00000° ,δ73.00000°,λ-21.00000°. NP2:ϕ_s221.00000°,δ69.00000°,λ-161.00000°. Principal axes: T 1.6100,Plg2.0000°,Azm173.0000°; N 0.1200,Plg62.0000°,Azm267.0000° ; P -1.7300,Plg27.0000°,Azm82.0000° $M_0$1.70000×10^{18}
MOS Error ellipse: s-maj=5.8km s-min=4.3km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=55.0. Felt [IV] in the Kepulauan Banggai and [II] at Tolitoli. Energy computed from BB mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.83 $M_{\phi r}$0.73 Best double couple: NP1:ϕ_s214.00000°,δ79.00000°,λ-162.00000°. NP2:ϕ_s120.00000° ,δ73.00000°,λ-12.00000°. Principal axes: T 2.0100,Plg4.0000°,Azm346.0000° ; N 0.0900,Plg69.0000°,Azm245.0000°; P -2.1000,Plg20.0000°,Azm78.0000° $M_0$2.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s115.00000°,δ65.00000°,λ-11.00000°. NP2:ϕ_s210.00000°,δ80.00000°,λ-155.00000°. Principal axes: T Plg10.0000°,Azm341.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm75.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c325; s147,c508; Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$1.51±.01; $M_{\phi\phi}$-1.40±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.23±.01; $M_{\phi r}$1.14±.02; Best double couple: NP1:ϕ_s224.00000°,δ74.00000° ,λ-154.00000°. NP2:ϕ_s126.00000°,δ65.00000°,λ-18.00000°. Principal axes: T 1.5400,Plg6.0000°,Azm353.0000°; N 0.5350,Plg59.0000°,Azm254.0000° ; P -2.0730,Plg30.0000°,Azm87.0000° $M_0$1.80600×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.3km az=157.8.

(177) Kermadec Islands region

ISC	**XII**	**17 11 28 48.1–.32**	**31.01S–.04**	**178.36W–.06**	**41–2**	**5.0b**	**331**	**2-170**
BJI	XII	17 11 28 39.0	31.00S	176.60W	41	5.5b,5.2b		**¶602046719**
WEL	XII	17 11 28 42.7–1.0	31S–4.0	177W–14	33	5.8L,5.2b		
MOS	XII	17 11 28 46.7–1.0	30.80S	178.32W	33	5.2b,5.2b		
NEIC	XII	17 11 28 47.3–.20	31.02S	178.20W	35	4.9b,5.2b		
ISCJB	XII	17 11 28 49.0–.19	31.24S–.03	178.33W–.05	59	4.9b,3.8s		
IDC	XII	17 11 28 51.0–.67	30.67S	178.25W	62–6	4.8,4.7		

ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.7km s-min=11.1km az=61.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.6km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=28.3.
IDC Error ellipse: s-maj=18.1km s-min=7.4km az=98.0.

(266) Northern Molucca Sea

ISC	**XII**	**17 16 06 55.2–1.1**	**1.45N–.09**	**127.00E–.08**	**35**	**3.5b**	**12**	**1-60**
IDC	XII	17 16 06 49.7–1.2	1.11N	126.26E	0	3.7,3.6		**¶602391551**
ISCJB	XII	17 16 06 52.8–.98	1.57N–.10	127.18E–.08	35	3.5b,3.6		
DJA	XII	17 16 07 00.4–.70	1N–7.0	127E–6.0	28–12	5.8b,5.4		

ISC Event type ke.
ISCJB Event type ke.

(694) Central East Pacific Rise

ISC	**XII**	**17 17 41 32.6–.30**	**4.04S–.06**	**104.36W–.06**	**10**	**5.6s,5.1b**	**724**	**22-168**
IDC	XII	17 17 41 30.6–.57	4.10S	104.44W	0	5.5s,5.5		**¶602046727**
MOS	XII	17 17 41 31.8–1.1	3.98S	104.45W	10	5.4s,5.2b		
ISCJB	XII	17 17 41 31.1–.23	4.09S–.03	104.39W–.03	10	5.6s,5.0b		
NEIC	XII	17 17 41 32.3–.23	4.18S	104.50W	10	5.9W,5.8W		
NEIC	XII	17 17 41 36.0–.00	4.21S	104.32W	19	5.9W,5.8W		
GCMT	XII	17 17 41 38.3–.10	3.96S–.01	104.35W–.01	16–0	5.9W,5.8W		
BJI	XII	17 17 41 39.0	4.10S	104.40W	36	5.8s,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=57.0.
MOS Error ellipse: s-maj=13.1km s-min=5.7km az=98.3.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=143.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=63.0. Moment Tensor Solution. s69 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-0.16 $M_{r\theta}$-1.04 $M_{\theta\phi}$5.67 $M_{\phi r}$0.53 Best double couple: NP1:ϕ_s181.00000°,δ80.00000°,λ-176.00000°. NP2:ϕ_s90.00000° ,δ86.00000°,λ-10.00000°. Principal axes: T 5.5800,Plg4.0000°,Azm136.0000° ; N 0.4100,Plg79.0000°,Azm247.0000°; P -5.9900,Plg10.0000°,Azm45.0000° $M_0$5.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.42 $M_{\theta\phi}$7.50 $M_{\phi r}$2.82 Best double couple: NP1:ϕ_s184.00000° ,δ84.00000°,λ-159.00000°. NP2:ϕ_s92.00000°,δ69.00000°,λ-6.00000°. Principal axes: T 8.2300,Plg10.0000°,Azm316.0000°; N -0.3000,Plg68.0000°,Azm198.0000° ; P -7.9400,Plg18.0000°,Azm49.0000° $M_0$8.10000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s127,c258; s136,c451; Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49±.07 $M_{\theta\theta}$0.61±.07; $M_{\phi\phi}$-0.11±.08; $M_{r\theta}$0.61±.20; $M_{\theta\phi}$9.04±.07; $M_{\phi r}$0.05±.21; Best double couple: NP1:ϕ_s91.00000°,δ90.00000°,λ4.00000°. NP2:ϕ_s1.00000°,δ86.00000°,λ180.00000°. Principal axes: T 9.3180,Plg3.0000°,Azm316.0000°; N -0.5000,Plg86.0000°,Azm92.0000°; P -8.8180,Plg3.0000°,Azm226.0000° $M_0$9.06800×10^{17}

(694) Central East Pacific Rise

ISC	**XII**	**17 17 46 48.5–.36**	**3.99S–.07**	**104.06W–.08**	**18**	**5.0b**	**463**	**14-153**
IDC	XII	17 17 46 44.7–.53	3.99S	104.16W	0	5.5s,5.5		**¶602391559**
MOS	XII	17 17 46 46.3–1.6	3.85S	104.10W	10	5.2b,5.5		
NEIC	XII	17 17 46 46.6–.24	4.03S	104.18W	10	5.7W,5.1b		
ISCJB	XII	17 17 46 47.0–.25	3.96S–.03	104.08W–.04	18	5.0s,4.9b		
GCMT	XII	17 17 46 50.6–.20	3.98S–.01	104.23W–.01	21–1	5.7W,4.9b		

ISC Event type se.

NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.98 $M_{r\theta}$-1.02 $M_{\theta\phi}$3.43 $M_{\phi r}$0.74 Best double couple: NP1:ϕ_s172.00000°,δ79.00000°,λ-169.00000°. NP2:ϕ_s80.00000°,δ79.00000°,λ-11.00000°. Principal axes: T 3.4400,Plg0.0000°,Azm306.0000°; N 0.7100,Plg74.0000°,Azm215.0000°; P -4.1600,Plg16.0000°,Azm36.0000° $M_0$3.90000×10^{17}

ISCJB Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c109; s128,c321;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.11 $M_{\theta\theta}$0.75±.09; $M_{\phi\phi}$-0.67±.10; $M_{r\theta}$0.86±.20; $M_{\theta\phi}$5.04±.09; $M_{\phi r}$-0.71±.19; Best double couple: NP1:ϕ_s273.00000°,δ83.00000°,λ-10.00000°. NP2:ϕ_s5.00000°,δ80.00000°,λ-173.00000°. Principal axes: T 5.1330,Plg2.0000°,Azm319.0000°; N 0.1570,Plg78.0000°,Azm59.0000°; P -5.2890,Plg12.0000°,Azm229.0000° $M_0$5.21100×10^{17}

(206) Near south coast of New Guinea

ISC	**XII**	**18 22 54 09.0–.36**	**7.39S–.05**	**144.12E–.05**	**35**	**4.8b**	**126**	**4-149**
BJI	XII	18 22 54 02.7	7.75S	144.68E	34	5.1b,4.9s		**¶602051533**
IDC	XII	18 22 54 03.5–.63	7.20S	144.21E	0	4.7,4.6		
NEIC	XII	18 22 54 05.5–.34	7.17S	144.14E	10	4.9b,4.6		
ISCJB	XII	18 22 54 06.9–.23	7.35S–.03	144.19E–.03	33	4.7b,3.5s		
MOS	XII	18 22 54 06.9–.83	7.27S	144.13E	33	5.0b,3.5s		
DJA	XII	18 22 54 12.1–.70	7S–5.0	144E–6.0	46–8	5.5b,5.4		

ISC Event type se.

NEIC Event type se.

ISCJB Event type se.

(268) Sulawesi

ISC	**XII**	**19 12 38 57.9–1.3**	**1.46S–.03**	**120.15E–.04**	**4–11**	**3.9b**	**24**	**1-58**
IDC	XII	19 12 38 57.7–1.4	0.56S	121.68E	0	4.1,3.9		**¶605478598**
DJA	XII	19 12 39 01.4–.20	1S–1.0	120E–2.0	10	6.5b,6.3		

ISC Event type ke.

(173) Tonga Islands

ISC	**XII**	**19 16 02 22.7–.39**	**20.78S–.06**	**174.28W–.10**	**27**	**4.9b,4.1s**	**242**	**4-171**
IDC	XII	19 16 02 18.9–.51	20.51S	174.30W	0	4.8,4.8L		**¶602051975**
NEIC	XII	19 16 02 20.0–.17	20.51S	174.28W	10	5.0b,4.8L		
WEL	XII	19 16 02 19.0	20.51S	174.28W	10	5.0b,4.8L		
BJI	XII	19 16 02 19.3	20.28S	174.16W	8	5.5b,5.2s		
ISCJB	XII	19 16 02 21.1–.17	20.65S–.04	174.26W–.06	27	4.8b,4.1s		
GCMT	XII	19 16 02 25.0–.40	20.63S–.03	173.73W–.03	32–0	5.0W,4.1s		

ISC Event type se.

NEIC Event type se.

WEL manual. confirmed.

ISCJB Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s60,c75;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.39±.24 $M_{\theta\theta}$-2.01±.18; $M_{\phi\phi}$-2.39±.15; $M_{r\theta}$1.69±.23; $M_{\theta\phi}$1.12±.09; $M_{\phi r}$1.64±.15; Best double couple: NP1:ϕ_s340.00000°,δ50.00000°,λ117.00000°. NP2:ϕ_s122.00000°,δ47.00000°,λ62.00000°. Principal axes: T 5.2650,Plg70.0000°,Azm317.0000°; N -1.9340,Plg20.0000°,Azm142.0000°; P -3.3410,Plg2.0000°,Azm52.0000° $M_0$4.30300×10^{16}

(266) Northern Molucca Sea

ISC	**XII**	**20 21 47 31.2–.21**	**0.53N–.03**	**126.25E–.04**	**41–3**	**5.6b,4.8s**	**859**	**1-165**
BJI	XII	20 21 47 25.2	0.12N	126.20E	33	5.4b,5.2b		**¶602054384**
NEIC	XII	20 21 47 29.8–1.1	0.56N	126.22E	28–8	5.7b,4.9s		
IDC	XII	20 21 47 29.6–1.8	0.47N	126.21E	28–11	5.5,5.4b		
MOS	XII	20 21 47 29.1–1.0	0.53N	126.17E	36	5.8b,4.6s		
DJA	XII	20 21 47 30.1–.20	1N–3.0	126E–2.0	10	5.6b,5.6b		
ISCJB	XII	20 21 47 30.5–.34	0.55N–.02	126.22E–.02	49–3	5.5b,4.8s		
GCMT	XII	20 21 47 30.8–.10	0.40N–.01	126.40E–.01	26–0	5.4W,4.8s		
KLM	XII	20 21 47 32.0	0.61N	126.37E	55	5.7b,4.8s		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.9km az=62.0.

IDC Error ellipse: s-maj=11.4km s-min=6.6km az=68.0.

MOS Error ellipse: s-maj=7.4km s-min=4.3km az=114.2.

ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=157.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c176; s107,c210;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.45±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.81±.03; $M_{r\theta}$0.49±.04; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.34±.04; Best double couple: NP1:ϕ_s47.00000°,δ56.00000°,λ96.00000°. NP2:ϕ_s216.00000°,δ35.00000°,λ81.00000°. Principal axes: T 1.5720,Plg78.0000°,Azm338.0000°; N 0.0330,Plg5.0000°,Azm224.0000°; P -1.6090,Plg11.0000°,Azm133.0000° $M_0$1.59000×10^{17}

(268) Sulawesi

ISC	**XII**	**22 02 04 22.6–.30**	**2.87S–.04**	**119.85E–.05**	**35**	**4.9b,4.2s**	**257**	**0-158**
IDC	XII	22 02 04 16.4–.57	2.58S	120.09E	0	4.7,4.6		**¶602055868**
ISCJB	XII	22 02 04 20.5–.16	2.84S–.02	119.82E–.02	33	4.8b,4.2s		
DJA	XII	22 02 04 20.3–.10	3S–1.0	120E–1.0	10	6.7,5.5b		
MOS	XII	22 02 04 20.1–1.0	2.67S	119.97E	33	5.2b,5.5b		
BJI	XII	22 02 04 21.7	2.70S	119.90E	30	5.2b,4.9b		
NEIC	XII	22 02 04 23.0–.52	2.68S	119.95E	45–5	4.9b,4.9b		
KLM	XII	22 02 04 23.0	2.98S	119.84E	33	5.0b,4.9b		

ISC Event type fe.

IDC Error ellipse: s-maj=27.8km s-min=12.7km az=59.0.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=152.6.

MOS Error ellipse: s-maj=13.9km s-min=6.2km az=126.7.

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=46.0. Felt [III] at Toraja.

(111) Northern Peru

ISC	**XII**	**22 16 02 43.7–.32**	**6.02S–.05**	**76.59W–.07**	**35**	**4.9b,4.0s**	**412**	**4-167**
IDC	XII	22 16 02 38.2–.57	6.13S	76.78W	0	4.7,4.6		**¶602056319**
ISCJB	XII	22 16 02 41.5–.20	5.96S–.03	76.61W–.04	33	4.8b,4.0s		
ARE	XII	22 16 02 41.0–.00	6.01S	76.79W	37	4.8b,4.0s		
IGQ	XII	22 16 02 42.1–.63	6S–5.0	77W–14	12	5.8,5.7b		
NEIC	XII	22 16 02 43.6–.22	6.08S	76.63W	35	4.9b,4.8L		
GCMT	XII	22 16 02 44.6–.40	6.03S–.02	76.75W–.03	15	5.0W,4.8L		
BJI	XII	22 16 02 45.1	6.10S	76.50W	45	5.4b,5.1s		

ISC Event type fe.

IDC Error ellipse: s-maj=17.9km s-min=11.6km az=58.0.

ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=155.4.

ARE Event type se.

NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.1km az=61.0. Felt [IV] at Moyobamba.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c28; s78,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.33±.13 $M_{\theta\theta}$2.02±.08; $M_{\phi\phi}$-2.35±.12; $M_{r\theta}$0.45±.29; $M_{\theta\phi}$0.55±.08; $M_{\phi r}$2.72±.43; Best double couple: NP1:ϕ_s28.00000°,δ88.00000°,λ128.00000°. NP2:ϕ_s121.00000°,δ38.00000°,λ4.00000°. Principal axes: T 2.6970,Plg36.0000°,Azm331.0000°; N 1.3520,Plg38.0000°,Azm206.0000°; P -4.0520,Plg32.0000°,Azm87.0000° $M_0$3.37500×10^{16}

(248) Philippine Islands region

ISC	**XII**	**22 18 07 18.1–.41**	**19.12N–.02**	**121.20E–.03**	**40–3**	**5.0b,4.5s**	**776**	**1-176**
MOS	XII	22 18 07 16.4–.99	19.11N	121.19E	41	5.2b,4.4s		**¶602056589**
GCMT	XII	22 18 07 17.5–.10	19.23N–.01	120.93E–.01	40–0	5.3W,4.4s		
ISCJB	XII	22 18 07 17.9–.34	19.13N–.01	121.24E–.02	53–3	5.0b,4.5s		
NEIC	XII	22 18 07 17.4–.45	19.06N	121.19E	39–4	5.1b,4.5s		
IDC	XII	22 18 07 18.0–1.5	19.04N	121.26E	41–12	4.8,4.7		
MAN	XII	22 18 07 18.3	19.16N	121.32E	82	5.7b,5.1s		
BJI	XII	22 18 07 19.0	19.43N	120.98E	30	5.0b,4.9L		

ISC Event type se.

MOS Error ellipse: s-maj=7.3km s-min=4.4km az=108.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c136; s92,c157;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.02 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.73±.02; $M_{r\theta}$0.12±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$-0.37±.01; Best double couple: NP1:ϕ_s203.00000°,δ57.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ34.00000°,λ97.00000°. Principal axes: T 0.9440,Plg78.0000°,Azm97.0000°; N 0.0770,Plg4.0000°,Azm206.0000°; P -1.0220,Plg11.0000°,Azm296.0000° $M_0$0.98300×10^{17}

ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=172.8.

NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.5km az=96.0.

IDC Error ellipse: s-maj=11.8km s-min=7.6km az=80.0.

(263) Talaud Islands

ISC	**XII**	**23 12 52 25.1–.69**	**4.14N–.03**	**126.60E–.05**	**48–6**	**5.0b,4.2s**	**487**	**2-158**
BJI	XII	23 12 52 17.1	3.61N	126.69E	31	5.2b,4.8b		**¶602056619**
GCMT	XII	23 12 52 22.5–.30	4.33N–.03	126.77E–.03	26–1	5.0W,4.8b		
ISCJB	XII	23 12 52 23.5–.41	4.17N–.02	126.67E–.03	50–3	5.0b,4.4s		
IDC	XII	23 12 52 23.2–2.0	4.16N	126.55E	33–14	4.7,4.6		
MAN	XII	23 12 52 23.1	3.74N	125.92E	14	5.7b,5.0s		
NEIC	XII	23 12 52 24.4–.59	4.19N	126.58E	41–5	5.2b,5.0s		
MOS	XII	23 12 52 24.4–3.0	4.20N	126.60E	33	5.2b,5.0s		
DJA	XII	23 12 52 26.3–.40	4N–3.0	127E–2.0	57–3	5.4b,5.4		
KLM	XII	23 12 52 30.0	4.09N	126.77E	109	5.2b,5.4		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c46; s54,c73;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.18 $M_{\theta\theta}$0.02±.12; $M_{\phi\phi}$-2.68±.15; $M_{r\theta}$-1.88±.31; $M_{\theta\phi}$-1.43±.09; $M_{\phi r}$1.95±.30; Best double couple: NP1:ϕ_s351.00000°,δ64.00000°,λ55.00000°. NP2:ϕ_s229.00000°,δ42.00000°,λ140.00000°. Principal axes: T 4.4420,Plg56.0000°,Azm215.0000°; N -0.9120,Plg31.0000°,Azm8.0000°; P -3.5300,Plg12.0000°,Azm106.0000° $M_0$3.98600×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.8km az=168.0.

IDC Error ellipse: s-maj=15.3km s-min=8.0km az=75.0.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=78.0. Felt [III] in the Kepulauan Talaud.

MOS Error ellipse: s-maj=10.1km s-min=5.4km az=112.0.

(362) Western Caucasus

ISC	**XII**	**23 13 31 40.3–.48**	**42.44N–.02**	**41.06E–.02**	**13–2**	**5.6s,5.5b**	**1949**	**1-160**
BJI	XII	23 13 31 37.9	42.40N	41.10E	10	6.1s,5.7		**¶602057923**
TIF	XII	23 13 31 38.8	42.39N	40.91E	26–2	6.1s,5.7		
IDC	XII	23 13 31 38.2–.33	42.41N	41.04E	0	5.4,5.4s		
MOS	XII	23 13 31 38.2–.00	42.41N	41.02E	0–0	6.6,5.4s		
ISK	XII	23 13 31 39.6	42.32N	40.94E	9–0	5.5L,5.4s		
NEIC	XII	23 13 31 39.0–.00	42.52N	41.20E	11	5.5L,5.4s		
DDA	XII	23 13 31 39.7	42.24N	40.90E	13	5.5L,5.4s		
ISCJB	XII	23 13 31 39.3–.06	42.437N–.01	40.982E–.01	13	5.6s,5.4b		
NEIC	XII	23 13 31 40.8–.86	42.42N	41.08E	15–5	6.0L,5.7W		
GCMT	XII	23 13 31 40.9–.10	42.46N–.01	41.02E–.01	16–0	5.8W,5.7W		
GII	XII	23 13 31 42.7–.00	42.48N	41.06E	10	5.8W,5.7W		

ISC Event type fe.

IDC Error ellipse: s-maj=8.1km s-min=6.1km az=159.0.

MOS Event type se. FELT I=V-VI MSK at Sochi, Adler, Dagomys, Khosta; V MSK at Tbilisi, Batumi; VI MSK at Gori, Ozurgeti; III MSK at Cherkessk, Karachaevsk, Zelenchukskaya.

ISK Event type ke.

NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63 $M_{\theta\theta}$2.12 $M_{\phi\phi}$-3.75 $M_{r\theta}$2.62 $M_{\theta\phi}$1.72 $M_{\phi r}$0.47 Best double couple: NP1:ϕ_s127.00000°,δ65.00000°,λ33.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ151.00000°. Principal axes: T 4.8100,Plg39.0000°,Azm346.0000°; N -0.5800,Plg49.0000°,Azm160.0000°; P -4.2300,Plg2.0000°,Azm253.0000° $M_0$4.50000×10^{17}

DDA Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=12.7.

NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=185.0. Felt [V] at Bat'umi and [III] at Tbilisi. Also felt at Ganarjiis Mukhuri, Gori, K'ut'aisi, Ozurget'i, Sokhumi and Varcha. Felt [IV] at Sochi, Russia. Also felt at Krasnodar. Felt at Trabzon, Turkey. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$2.78 $M_{\phi\phi}$-2.86 $M_{r\theta}$0.64 $M_{\theta\phi}$1.69 $M_{\phi r}$0.25 Best double couple: NP1:ϕ_s120.00000°,δ81.00000°,λ7.00000°. NP2:ϕ_s29.00000°,δ83.00000°,λ171.00000°. Principal axes: T 3.3800,Plg12.0000°,Azm344.0000°; N -0.0500,Plg78.0000°,Azm171.0000°; P -3.3300,Plg1.0000°,Azm75.0000° $M_0$3.40000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c205; s126,c376; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.05 $M_{\theta\theta}$5.31±.05; $M_{\phi\phi}$-4.87±.05; $M_{r\theta}$-1.34±.15; $M_{\theta\phi}$1.88±.04; $M_{\phi r}$0.45±.14; Best double couple: NP1:ϕ_s305.00000°,δ88.00000°,λ14.00000°. NP2:ϕ_s214.00000°,δ76.00000°,λ178.00000°. Principal axes: T 5.8900,Plg11.0000°,Azm171.0000°; N -0.5940,Plg76.0000°,Azm313.0000°; P -5.3040,Plg8.0000°,Azm79.0000° $M_0$5.59700×10^{17}

GII Event type ke.

(263) Talaud Islands

ISC	**XII**	**24 12 58 20.6–.58**	**4.14N–.03**	**126.63E–.04**	**25–3**	**5.0b,4.4s**	**550**	**2-161**
BJI	XII	24 12 58 13.4	3.65N	126.75E	17	5.2b,4.9b		**¶602057936**
NEIC	XII	24 12 58 20.2–.92	4.15N	126.68E	25–6	5.1b,4.9b		
IDC	XII	24 12 58 20.1–2.0	4.17N	126.63E	20–11	4.7,4.7		
MOS	XII	24 12 58 20.3–1.1	4.21N	126.61E	33	5.3b,4.7		
MAN	XII	24 12 58 20.0	3.89N	126.60E	50	5.7b,5.0s		
ISCJB	XII	24 12 58 21.4–.41	4.15N–.02	126.69E–.03	48–3	5.0b,4.3s		
KLM	XII	24 12 58 22.0	4.26N	127.05E	47	5.1b,4.3s		
GCMT	XII	24 12 58 22.2–.20	4.20N–.02	126.66E–.03	27–0	5.1W,4.3s		
DJA	XII	24 12 58 25.2–.30	4N–3.0	127E–2.0	60–3	5.4b,5.3		

ISC Event type fe.

NEIC Event type fe. Felt [III] in the Kepulauan Talaud.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c53; s78,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.44±.25 $M_{\theta\theta}$-0.89±.14; $M_{\phi\phi}$-3.55±.18; $M_{r\theta}$2.02±.33; $M_{\theta\phi}$-2.34±.11; $M_{\phi r}$-1.02±.35; Best double couple: NP1:ϕ_s53.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_s188.00000°,δ49.00000°,λ57.00000°. Principal axes: T 5.4630,Plg66.0000°,Azm29.0000°; N -0.5520,Plg24.0000°,Azm211.0000°; P -4.9140,Plg1.0000°,Azm121.0000° $M_0$5.18900×10^{16}

(273) Southwest of Sumatera

ISC	**XII**	**24 16 32 24.9–1.1**	**3.32S–.08**	**99.24E–.08**	**35**	**3.8b**	**22**	**1-146**
IDC	XII	24 16 32 20.7–3.1	3.30S	99.09E	0	3.9,3.8		**¶602392005**
ISCJB	XII	24 16 32 21.8–.90	3.41S–.05	99.23E–.06	33	3.7b,3.2s		
DJA	XII	24 16 32 22.7–.70	3S–4.0	99E–5.0	46–32	5.8b,5.4		

ISC Event type ke.

ISCJB Event type ke.

(263) Talaud Islands

ISC	**XII**	**24 19 50 27.2–.31**	**3.69N–.03**	**126.56E–.04**	**10**	**4.6b,3.7s**	**136**	**3-123**
ISCJB	XII	24 19 50 24.5–.23	3.99N–.02	126.97E–.04	10	4.5b,3.7s		**¶602058085**
MAN	XII	24 19 50 29.2	3.58N	126.47E	16	5.6b,4.9s		
BJI	XII	24 19 50 30.0	3.90N	126.80E	45	4.9b,4.5b		
IDC	XII	24 19 50 31.6–1.3	3.76N	126.46E	54–11	4.4,4.2		
NEIC	XII	24 19 50 34.4–.70	3.77N	126.67E	81–7	4.7b,4.2		
KLM	XII	24 19 50 36.0	3.74N	126.71E	40	4.9b,4.2		
DJA	XII	24 19 50 37.4–.40	4N–4.0	127E–3.0	41–5	5.2b,4.9		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

(273) Southwest of Sumatera

ISC	**XII**	**25 08 46 34.1–.28**	**7.91S–.04**	**101.25E–.04**	**35**	**5.0b,4.5s**	**462**	**4-153**
MOS	XII	25 08 46 31.7–1.0	7.72S	101.30E	26	5.2b,4.2s		**¶602058099**
NEIC	XII	25 08 46 31.8–1.2	7.89S	101.25E	20–8	5.1b,4.2s		
BJI	XII	25 08 46 31.4	7.90S	101.30E	24	5.1b,4.9b		
ISCJB	XII	25 08 46 32.3–.18	7.86S–.02	101.29E–.02	33	4.9b,4.4s		
GCMT	XII	25 08 46 32.8–.20	7.99S–.01	101.31E–.01	33–0	5.3W,4.4s		
DJA	XII	25 08 46 32.2–1.1	8S–3.0	101E–2.0	18–8	6.2,5.8b		
IDC	XII	25 08 46 33.9–3.2	7.75S	101.35E	27–21	5.0L,4.7		
KLM	XII	25 08 46 34.0	7.76S	101.10E	20	5.3b,4.7		

ISC Event type se.

MOS Error ellipse: s-maj=9.1km s-min=5.5km az=115.1.

NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.9km az=46.0.

ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=27.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c132; s105,c171;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.02 $M_{\theta\theta}$-0.45±.02; $M_{\phi\phi}$0.31±.02; $M_{r\theta}$-0.35±.03;

$M_{\theta\theta}$-0.87±.01; $M_{\phi r}$-0.47±.03; Best double couple: NP1:ϕ_s13.00000°,δ87.00000°,λ-28.00000°. NP2:ϕ_s104.00000°,δ62.00000°,λ-176.00000°. Principal axes: T 0.9390,Plg17.0000° ,Azm62.0000°; N 0.3010,Plg62.0000°,Azm186.0000°; P -1.2400,Plg22.0000°,Azm325.0000° $M_0$1.08900×10^{17}

IDC Error ellipse: s-maj=14.5km s-min=10.2km az=35.0.

(135) Near coast of central Chile

ISC	**XII**	**26 13 17 57.9–.96**	**37.33S–.03**	**73.41W–.06**	**32–6**	**5.5b,5.1s**	**973**	**1-177**
GUC	XII	26 13 17 56.2–.46	37.35S	73.70W	33–28	5.3W,5.2L		**¶602058915**
NEIC	XII	26 13 17 57.3–.96	37.27S	73.27W	29–6	5.5b,5.3W		
ISCJB	XII	26 13 17 57.9–.56	37.21S–.02	73.22W–.06	44–5	5.4b,5.1s		
MOS	XII	26 13 17 58.3–1.2	37.14S	73.27W	41	5.7b,5.2s		
GCMT	XII	26 13 17 58.3–.20	37.41S–.01	73.78W–.02	25–0	5.4W,5.2s		
IDC	XII	26 13 17 59.8–2.4	37.30S	73.23W	43–21	5.0,4.9		

ISC Event type fe.

GUC Error ellipse: s-maj=15.6km s-min=7.7km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=78.0. Felt [V] at Arauco and Tome; [IV] at Cauquenes, Cobquecura, Collipulli, Concepcion, La Laja, Los Sauces and Renaico; [III] at Angol, Constitucion, Ercilla, Linares, Longavi, Parral, Puren, Tirua, Victoria and Villa Alegre; [II] at Carahue, Curico, Lumaco, Maule and San Clemente. Also felt at Chillan and Temuco. Moment Tensor Solution. s26 Moment tensor: Scale 10^{16}Nm; M_{rr}6.72 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-7.41 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.95 $M_{\phi r}$-4.70 Best double couple: NP1:ϕ_s178.00000° ,δ62.00000°,λ94.00000°. NP2:ϕ_s349.00000°,δ29.00000°,λ82.00000°. Principal axes: T 8.1500,Plg73.0000°,Azm98.0000°; N 0.7600,Plg4.0000°,Azm355.0000° ; P -8.9100,Plg17.0000°,Azm264.0000° $M_0$8.60000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.8km az=173.7.

MOS Error ellipse: s-maj=13.9km s-min=6.2km az=94.9.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c127; s99,c162;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-1.23±.06; Best double couple: NP1:ϕ_s182.00000°,δ73.00000°,λ89.00000°. NP2:ϕ_s4.00000°,δ17.00000°,λ92.00000°. Principal axes: T 1.4610,Plg62.0000°,Azm91.0000° ; N 0.0470,Plg1.0000°,Azm182.0000°; P -1.5080,Plg28.0000°,Azm273.0000° $M_0$1.48400×10^{17}

IDC Error ellipse: s-maj=16.7km s-min=10.2km az=85.0.

(691) Pacific-Antarctic Ridge

ISC	**XII**	**26 23 01 57.3–.27**	**56.07S–.07**	**144.48W–.06**	**10**	**5.5b,5.2s**	**192**	**27-179**
IDC	XII	26 23 01 54.9–.44	55.61S	144.46W	0	5.1s,5.1		**¶602059074**
ISCJB	XII	26 23 01 55.2–.20	56.17S–.05	144.56W–.06	10	5.4b,5.2s		
NEIC	XII	26 23 01 56.7–.18	56.19S	144.48W	10	5.5W,5.5b		
BJI	XII	26 23 01 57.8	56.20S	144.50W	10	5.6b,5.3s		
GCMT	XII	26 23 01 59.7–.10	56.08S–.01	144.40W–.01	12	5.4W,5.3s		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50 $M_{\theta\theta}$2.12 $M_{\phi\phi}$-1.63 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.67 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s215.00000° ,δ86.00000°,λ-176.00000°. NP2:ϕ_s125.00000°,δ86.00000°,λ-4.00000°. Principal axes: T 2.2400,Plg0.0000°,Azm350.0000°; N -0.4900,Plg85.0000°,Azm257.0000° ; P -1.7500,Plg5.0000°,Azm80.0000° $M_0$2.00000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c168; s114,c205;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.02 $M_{\theta\theta}$1.63±.02; $M_{\phi\phi}$-1.58±.02; $M_{r\theta}$0.33±.06; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s33.00000°,δ88.00000°,λ165.00000°. NP2:ϕ_s124.00000°,δ75.00000°,λ2.00000°. Principal axes: T 1.8570,Plg12.0000° ,Azm347.0000°; N -0.0870,Plg75.0000°,Azm206.0000°; P -1.7680,Plg9.0000°,Azm79.0000° $M_0$1.81200×10^{17}

(134) Off coast of central Chile

ISC	**XII**	**27 00 37 07.9–.23**	**35.79S–.03**	**73.32W–.05**	**10**	**5.6s,5.1b**	**769**	**1-178**
GUC	XII	27 00 37 05.3–.64	35.85S	73.73W	30–5	5.2L,5.1W		**¶602059082**
ISCJB	XII	27 00 37 06.1–.13	35.74S–.02	73.38W–.03	10	5.6s,5.0b		
IDC	XII	27 00 37 06.2–.40	35.80S	73.39W	0	5.5,5.5s		
MOS	XII	27 00 37 08.3–1.2	35.73S	73.30W	18	5.7s,5.3b		
NEIC	XII	27 00 37 08.8–1.6	35.78S	73.26W	14–9	5.9W,5.7W		
NEIC	XII	27 00 37 10.0–.00	35.87S	73.52W	13	5.9W,5.7W		
BJI	XII	27 00 37 11.0	35.70S	73.20W	23	5.8,5.8s		
GCMT	XII	27 00 37 11.8–.10	35.89S–.01	73.77W–.01	12	5.8W,5.8s		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Cobquecura; [IV] at Cauquenes, Chillan, Concepcion, Constitucion, Longavi, Quirihue, San Pedro de la Paz and Tome; [III] at Chanco, Colbun, Lebu, Linares, Maule, Pelarco, Pelluhue, Retiro, Talca and Talcahuano; [II] at Pencahue. Also felt at Los Angeles and Santiago. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}2.65 $M_{\theta\theta}$0.85 $M_{\phi\phi}$-3.49 $M_{r\theta}$-0.71 $M_{\theta\phi}$0.26 $M_{\phi r}$-2.80 Best double couple: NP1:ϕ_s191.00000° ,δ67.00000°,λ104.00000°. NP2:ϕ_s338.00000°,δ26.00000°,λ60.00000°. Principal axes: T 3.9200,Plg65.0000°,Azm124.0000°; N 0.6600,Plg13.0000°,Azm5.0000° ; P -4.5800,Plg21.0000°,Azm270.0000° $M_0$4.30000×10^{17}

NEIC Event type se. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}3.70 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-3.20 $M_{r\theta}$-1.65 $M_{\theta\phi}$-0.60 $M_{\phi r}$-7.71 Best double couple: NP1:ϕ_s192.00000° ,δ78.00000°,λ90.00000°. NP2:ϕ_s12.00000°,δ12.00000°,λ90.00000°. Principal axes: T 8.8200,Plg57.0000°,Azm102.0000°; N -0.3800,Plg0.0000°,Azm12.0000° ; P -8.4400,Plg32.0000°,Azm282.0000° $M_0$8.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c210; s128,c348; Duration: 1ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.22±.03 $M_{\theta\theta}$0.09±.03; $M_{\phi\phi}$-3.30±.03; $M_{r\theta}$-0.89±.08; $M_{\theta\phi}$-0.73±.02; $M_{\phi r}$-5.32±.08; Best double couple: NP1:ϕ_s190.00000° ,δ74.00000°,λ89.00000°. NP2:ϕ_s14.00000°,δ16.00000°,λ94.00000°. Principal axes: T 6.2280,Plg61.0000°,Azm98.0000°; N 0.2350,Plg1.0000°,Azm190.0000° ; P -6.4560,Plg29.0000°,Azm281.0000° $M_0$6.34200×10^{17}

(402) North Atlantic Ocean

ISC	**XII**	**27 05 36 13.6–.59**	**13.06N–.03**	**58.10W–.03**	**20–3**	**5.3b,4.5s**	**1266**	**1-166**
ISCJB	XII	27 05 36 09.8–.88	12.99N–.02	58.03W–.01	7–5	5.2b,4.5s		**¶602059097**
IDC	XII	27 05 36 09.8–.37	13.05N	57.94W	0	4.9,4.8		
MOS	XII	27 05 36 10.3–1.0	13.05N	58.00W	10	5.4b,4.8		
TRN	XII	27 05 36 12.3	13.10N	58.01W	89	4.9,4.8		
NEIC	XII	27 05 36 12.1–.17	13.01N	58.00W	10	5.3b,4.9		
GCMT	XII	27 05 36 14.1–.20	13.15N–.01	57.85W–.01	12	5.2W,4.9		
BJI	XII	27 05 36 14.5	13.00N	58.10W	30	5.6b,5.4s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=168.8.

IDC Error ellipse: s-maj=10.4km s-min=10.2km az=121.0.

MOS Error ellipse: s-maj=5.2km s-min=4.5km az=64.7.

NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=195.0. Felt at Cap Estate, Castries, Choiseul and Soufriere, Saint Lucia.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c105; s113,c190;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$-0.57±.01; $M_{\phi\phi}$0.68±.01; $M_{r\theta}$0.34±.03; $M_{\theta\phi}$0.46±.01; $M_{\phi r}$0.37±.04; Best double couple: NP1:ϕ_s62.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_s331.00000°,δ59.00000°,λ179.00000°. Principal axes: T 1.0150,Plg22.0000° ,Azm291.0000°; N -0.2200,Plg59.0000°,Azm64.0000°; P -0.7950,Plg21.0000° ,Azm192.0000° $M_0$0.90500×10^{17}

(173) Tonga Islands

ISC	**XII**	**27 09 42 00.2–.21**	**18.55S–.04**	**173.36W–.04**	**31**	**5.4b,4.9s**	**1075**	**3-176**
IDC	XII	27 09 41 55.9–.41	18.32S	173.57W	0	5.2,5.1		**¶602059384**
MOS	XII	27 09 41 55.3–1.1	18.18S	173.56W	33	5.5b,5.0s		
NEIC	XII	27 09 41 59.7–.45	18.30S	173.56W	23–3	5.4b,5.0s		
ISCJB	XII	27 09 41 59.4–.08	18.31S–.02	173.57W–.03	31	5.3b,5.0s		
WEL	XII	27 09 41 59.0	18.30S	173.56W	23	5.3b,5.0s		
BJI	XII	27 09 42 01.2	18.02S	173.31W	40	5.7b,5.3s		
GCMT	XII	27 09 42 03.7–.10	18.42S–.01	173.13W–.01	29–0	5.5W,5.3s		

ISC Event type fe.

NEIC Event type fe. Felt at Neiafu.

ISCJB Event type fe.

WEL manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c209; s129,c219;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.92±.03 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.36±.03; $M_{\theta\phi}$0.62±.01; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s129.00000°,δ54.00000°,λ96.00000°. NP2:ϕ_s298.00000°,δ36.00000°,λ81.00000°. Principal axes: T 2.0300,Plg80.0000° ,Azm65.0000°; N -0.2950,Plg5.0000°,Azm305.0000°; P -1.7330,Plg9.0000°,Azm214.0000° $M_0$1.88100×10^{17}

(249) Luzon

ISC	**XII**	**27 13 41 36.7–1.1**	**12.29N–.02**	**123.86E–.03**	**6–7**	**4.5b,4.1s**	**234**	**0-149**
IDC	XII	27 13 41 33.6–.48	12.25N	123.88E	0	4.7L,4.3		**¶602059902**
ISCJB	XII	27 13 41 35.1–.70	12.32N–.02	123.86E–.02	7–4	4.5b,4.2s		
MAN	XII	27 13 41 35.1	12.34N	123.83E	2	5.5b,4.8s		
BJI	XII	27 13 41 36.2	12.03N	124.11E	33	5.2b,4.6s		
GCMT	XII	27 13 41 38.4–.20	12.35N–.01	123.84E–.02	17–1	5.0W,4.6s		
MOS	XII	27 13 41 38.5–1.8	12.20N	123.80E	33	4.7b,4.6s		
NEIC	XII	27 13 41 39.4–.24	12.14N	123.75E	35	4.8b,4.6s		
DJA	XII	27 13 41 41.7–1.4	13N–9.0	124E–7.0	55–11	5.1b,4.5		

ISC Event type fe.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s94,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.12 $M_{\theta\theta}$3.08±.11; $M_{\phi\phi}$-3.22±.11; $M_{r\theta}$-0.65±.30; $M_{\theta\phi}$-0.74±.09; $M_{\phi r}$-0.02±.28; Best double couple: NP1:ϕ_s231.00000°,δ83.00000°,λ171.00000°. NP2:ϕ_s322.00000°,δ81.00000°,λ7.00000°. Principal axes: T 3.2970,Plg12.0000° ,Azm186.0000°; N 0.0080,Plg78.0000°,Azm15.0000°; P -3.3090,Plg2.0000°,Azm277.0000° $M_0$3.30300×10^{16}

NEIC Event type fe. Felt [IV PIVS] at Masbate and Uson. Also felt at Aroroy. Felt [IV PIVS] at San Jacinto, Ticao Island. Felt [III PIVS] at Irosin and [II PIVS] at Legaspi City, Luzon. Also felt at Guinobatan.

(410) Southern Mid-Atlantic Ridge

ISC	**XII**	**27 16 34 00.6–.28**	**12.33S–.06**	**14.87W–.06**	**15**	**5.0b,4.2s**	**288**	**3-146**
MOS	XII	27 16 33 58.1–.94	12.36S	14.87W	10	5.1b,4.2s		**¶602059908**
IDC	XII	27 16 33 58.2–.45	12.43S	14.87W	0	4.5,4.5		
ISCJB	XII	27 16 33 58.9–.18	12.40S–.04	14.84W–.04	15	4.9b,4.2s		
NEIC	XII	27 16 33 59.9–.13	12.40S	14.88W	10	5.2b,4.2s		
GCMT	XII	27 16 33 59.9–.20	12.13S–.03	14.76W–.01	15–1	5.0W,4.2s		
BJI	XII	27 16 34 01.5	12.40S	14.90W	20	5.5b,5.2b		

ISC Event type se.

MOS Error ellipse: s-maj=10.9km s-min=6.3km az=57.4.

IDC Error ellipse: s-maj=14.5km s-min=12.4km az=168.0.

ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=143.6.

NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=144.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s96,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.20 $M_{\theta\theta}$-0.17±.12; $M_{\phi\phi}$3.16±.15; $M_{r\theta}$1.03±.29; $M_{\theta\phi}$0.35±.08; $M_{\phi r}$-1.86±.27; Best double couple: NP1:ϕ_s348.00000°,δ62.00000°,λ-108.00000°. NP2:ϕ_s203.00000°,δ33.00000°,λ-59.00000°. Principal axes: T 3.6800,Plg15.0000° ,Azm91.0000°; N 0.1520,Plg16.0000°,Azm356.0000°; P -3.8310,Plg67.0000°,Azm222.0000° $M_0$3.75500×10^{16}

(248) Philippine Islands region

ISC	**XII**	**27 17 10 17.7–.95**	**10.70N–.03**	**126.91E–.06**	**17–5**	**4.7b,3.1s**	**197**	**2-146**
BJI	XII	27 17 10 13.9	10.62N	127.65E	30	5.1b,4.8b		**¶602059910**
IDC	XII	27 17 10 15.2–.49	10.59N	126.73E	0	4.3,4.3		
DJA	XII	27 17 10 17.8–.60	11N–4.0	127E–8.0	10	5.2b,4.6		
MAN	XII	27 17 10 18.3	10.77N	126.89E	33	5.5b,4.7s		
MOS	XII	27 17 10 18.8–.97	10.54N	126.79E	40	4.9b,4.7s		
ISCJB	XII	27 17 10 18.6–1.4	10.69N–.03	126.87E–.03	33–10	4.5b,3.1s		
NEIC	XII	27 17 10 22.5–1.0	10.56N	126.78E	55–10	4.9b,3.1s		

ISC Event type se.

IDC Error ellipse: s-maj=26.0km s-min=11.3km az=72.0.

MOS Error ellipse: s-maj=18.4km s-min=6.4km az=123.4.

ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=161.2.

NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.6km az=69.0.

(177) Kermadec Islands region

ISC	**XII**	**28 10 35 48.5–.25**	**29.62S–.04**	**176.17W–.04**	**28**	**5.2b,4.8s**	**799**	**2-168**
WEL	XII	28 10 35 43.0–1.5	30S–8.0	176W–10	33	5.8L,4.8s		**¶606818862**
BJI	XII	28 10 35 44.0	29.70S	176.30W	6	5.8b,5.4b		
IDC	XII	28 10 35 45.4–.43	29.21S	176.27W	0	5.1,5.0		
NEIC	XII	28 10 35 45.0–.09	29.60S	176.25W	10	5.1b,5.0		
ISCJB	XII	28 10 35 46.5–.10	29.77S–.02	176.22W–.03	28	5.1b,4.8s		
MOS	XII	28 10 35 49.7–1.2	29.50S	176.24W	45	5.2b,4.9s		
GCMT	XII	28 10 35 51.0–.10	29.25S–.01	175.92W–.01	12	5.3W,4.9s		

ISC Event type se.

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

NEIC Event type se.

ISCJB Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c109; s117,c211;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$-0.14±.05; $M_{\theta\phi}$0.19±.01; $M_{\phi r}$-0.32±.04; Best double couple: NP1:ϕ_s16.00000°,δ54.00000°,λ-87.00000°. NP2:ϕ_s191.00000°,δ36.00000°,λ-94.00000°. Principal axes: T 1.0490,Plg9.0000° ,Azm104.0000°; N 0.1580,Plg3.0000°,Azm194.0000°; P -1.2060,Plg81.0000°,Azm300.0000° $M_0$1.12800×10^{17}

(4) Komandorsky Islands region

ISC	**XII**	**28 13 42 34.5–.72**	**55.63N–.04**	**164.82E–.03**	**35–2**	**5.5b,4.5s**	**1280**	**1-152**
IDC	XII	28 13 42 29.2–.47	55.67N	164.80E	0	5.0,5.0L		**¶602060895**
KRSC	XII	28 13 42 32.9–2.2	55.62N	164.66E	83–20	5.9L,5.0L		
ISCJB	XII	28 13 42 33.4–.29	55.68N–.02	164.81E–.02	41–2	5.3b,4.5s		
GCMT	XII	28 13 42 33.8–.20	55.72N–.01	164.79E–.02	29–1	5.1W,4.5s		
MOS	XII	28 13 42 33.7–.88	55.60N	164.78E	45	5.4b,4.3s		
NEIC	XII	28 13 42 34.8–.12	55.71N	164.72E	35	5.5b,4.3s		
BJI	XII	28 13 42 35.2	56.15N	164.08E	27	5.1b,5.0b		

ISC Event type se.

IDC Error ellipse: s-maj=13.4km s-min=9.1km az=164.0.

KRSC Event type se. FELT [IV] at Nikolskoe; [III] at GMS Kronoki; [II-III] at Krutoberegovo, Ust-Kamchatsk.

ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.0km az=169.5.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c69; s105,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.17 $M_{\theta\theta}$-4.56±.13; $M_{\phi\phi}$2.58±.11; $M_{r\theta}$0.66±.21; $M_{\theta\phi}$-2.90±.11; $M_{\phi r}$-1.64±.19; Best double couple: NP1:ϕ_s111.00000°,δ68.00000°,λ155.00000°. NP2:ϕ_s210.00000°,δ67.00000°,λ24.00000°. Principal axes: T 4.7400,Plg33.0000° ,Azm70.0000°; N 0.8500,Plg57.0000°,Azm251.0000°; P -5.5900,Plg1.0000°,Azm161.0000° $M_0$5.16500×10^{16}

MOS Error ellipse: s-maj=4.8km s-min=3.7km az=72.0.

NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.2km az=169.0.

(203) Bismarck Sea

ISC	**XII**	**29 07 56 01.3–.38**	**3.44S–.05**	**148.98E–.06**	**19**	**4.8b**	**198**	**2-154**
MOS	XII	29 07 55 58.7–1.6	3.32S	148.87E	12	5.1b		**¶602062476**
BJI	XII	29 07 55 58.8	3.40S	148.70E	10	5.5s,5.4		
IDC	XII	29 07 55 58.1–.62	3.41S	148.85E	0	4.6,4.5		
ISCJB	XII	29 07 55 59.8–.25	3.44S–.03	148.89E–.04	19	4.8b,4.5		
NEIC	XII	29 07 56 00.3–.30	3.37S	148.75E	10	5.0b,4.5		
GCMT	XII	29 07 56 02.3–.20	3.32S–.01	148.83E–.01	12	5.5W,4.5		
DJA	XII	29 07 56 08.4–.60	4S–4.0	149E–4.0	46–6	5.5b,5.2		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c97; s100,c169;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$1.30±.04; $M_{\phi\phi}$-1.19±.05; $M_{r\theta}$0.28±.10; $M_{\theta\phi}$1.49±.04; $M_{\phi r}$-0.25±.11; Best double couple: NP1:ϕ_s289.00000°,δ85.00000°,λ-10.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ-175.00000°. Principal axes: T 2.0060,Plg4.0000° ,Azm335.0000°; N -0.0620,Plg79.0000°,Azm85.0000°; P -1.9520,Plg11.0000° ,Azm245.0000° $M_0$1.97900×10^{17}

(203) Bismarck Sea

ISC	**XII**	**29 07 59 17.1–.72**	**3.30S–.04**	**148.82E–.04**	**17–4**	**5.0b**	**352**	**2-155**
ISCJB	XII	29 07 59 12.9–1.0	3.33S–.03	148.82E–.03	2–6	5.4s,4.9b		**¶607215295**
MOS	XII	29 07 59 14.7–1.2	3.30S	148.73E	12	5.2b,4.9b		
IDC	XII	29 07 59 14.0–.47	3.30S	148.83E	0	5.4,5.4s		
NEIC	XII	29 07 59 15.9–.19	3.32S	148.76E	10	5.1b,5.4s		
DJA	XII	29 07 59 19.7–1.7	4S–6.0	149E–8.0	28–10	5.9b,5.5		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

(203) Bismarck Sea

ISC	**XII**	**29 07 59 43.7–.35**	**3.59S–.06**	**148.83E–.07**	**19**	**5.8s,5.4b**	**177**	**3-155**
BJI	XII	29 07 59 40.7	3.50S	148.80E	10	5.8s,5.7		**¶602062477**
NEIC	XII	29 07 59 41.0–.00	3.19S	148.93E	9	5.8s,5.7		
NEIC	XII	29 07 59 41.1–.24	3.56S	148.90E	4	6.0W,5.8W		

ISCJB	XII	29 07 59 42.0–.22	3.52S–.04	148.82E–.04	19	5.7s,5.3b	
GCMT	XII	29 07 59 42.1–.10	3.31S	148.92E	15	5.9W,5.3b	
NEIC	XII	29 07 59 53.0–.00	2.97S	148.58E	10	5.9W,5.3b	

ISC Event type se.

NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$3.20 $M_{\phi\phi}$-3.11 $M_{r\theta}$-0.31 $M_{\theta\phi}$3.86 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s200.00000° ,δ89.00000°,λ173.00000°. NP2:ϕ_s290.00000°,δ83.00000°,λ1.00000°. Principal axes: T 5.0800,Plg5.0000°,Azm154.0000°; N -0.1100,Plg82.0000°,Azm11.0000° ; P -4.9700,Plg4.0000°,Azm244.0000° $M_0$5.00000×10^{17}

NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.7km az=122.0. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12 $M_{\theta\theta}$3.98 $M_{\phi\phi}$-3.86 $M_{r\theta}$0.68 $M_{\theta\phi}$4.10 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s112.00000°,δ83.00000°,λ4.00000°. NP2:ϕ_s22.00000°,δ86.00000° ,λ173.00000°. Principal axes: T 5.8500,Plg8.0000°,Azm337.0000°; N -0.2300,Plg82.0000° ,Azm174.0000°; P -5.6200,Plg2.0000°,Azm67.0000° $M_0$5.70000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=159.2.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c220; s137,c467; Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$0.61±.01; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s291.00000°,δ90.00000° ,λ-5.00000°. NP2:ϕ_s21.00000°,δ85.00000°,λ-180.00000°. Principal axes: T 0.8440,Plg3.0000°,Azm336.0000°; N -0.0230,Plg85.0000°,Azm106.0000° ; P -0.8220,Plg4.0000°,Azm246.0000° $M_0$0.83300×10^{18}

NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s293.00000°,δ69.00000° ,λ3.00000°. NP2:ϕ_s202.00000°,δ87.00000°,λ159.00000°. Principal axes: T 1.1500,Plg17.0000°,Azm156.0000°; N -0.1700,Plg69.0000°,Azm14.0000° ; P -0.9800,Plg12.0000°,Azm250.0000°

(228) Near east coast of eastern Honshu

ISC	**XII**	**29 14 59 36.4–.28**	**38.76N–.03**	**142.18E–.03**	**36–1**	**5.5b,5.0s**	**1646**	**1-164**
NIED	XII	29 14 59 00	38.70N	142.20E	32	5.3W,5.0s		**¶602065111**
BJI	XII	29 14 59 32.9	38.65N	142.12E	29	5.4b,5.4b		
ISCJB	XII	29 14 59 36.7–.22	38.73N–.01	142.11E–.02	49–1	5.4b,5.0s		
JMA	XII	29 14 59 36.6–.10	38.72N	142.20E	41–1	5.5,5.0s		
MOS	XII	29 14 59 36.3–.85	38.94N	142.07E	38	5.7b,5.1s		
GCMT	XII	29 14 59 38.9–.10	38.79N–.01	142.24E–.01	44–0	5.5W,5.1s		
IDC	XII	29 14 59 39.0–1.3	38.76N	142.07E	56–11	5.2,5.0		
NEIC	XII	29 14 59 38.9–.41	38.74N	142.02E	56–3	5.4W,5.4b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ9.00000°,λ120.00000°. NP2:ϕ_s19.00000°,δ82.00000°,λ85.00000°. $M_0$1.10000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=137.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s43.00000°,δ66.00000°,λ105.00000°. NP2:ϕ_s190.00000°,δ29.00000°,λ60.00000°. Principal axes: T Plg66.0000°,Azm340.0000°; N Plg14.0000°,Azm217.0000°; P Plg19.0000° ,Azm122.0000°

MOS Error ellipse: s-maj=5.5km s-min=3.3km az=101.3.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c183; s123,c239;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$-1.53±.02; $M_{r\theta}$0.71±.02; $M_{\theta\phi}$-0.44±.02; $M_{\phi r}$1.33±.03; Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ97.00000°. NP2:ϕ_s188.00000°,δ24.00000°,λ75.00000°. Principal axes: T 2.2360,Plg68.0000° ,Azm307.0000°; N -0.0160,Plg6.0000°,Azm201.0000°; P -2.2260,Plg21.0000° ,Azm109.0000° $M_0$2.23100×10^{17}

IDC Error ellipse: s-maj=11.1km s-min=6.6km az=102.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=140.0. Felt [III] at Sendai and [II] at Iwaki, Kasama and Misawa. Felt in much of northeastern Honshu. Recorded [4 JMA] in Iwate. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s209.00000°,δ21.00000° ,λ87.00000°. NP2:ϕ_s32.00000°,δ69.00000°,λ91.00000°. Principal axes: T 1.7200,Plg66.0000°,Azm304.0000°; N -0.1300,Plg1.0000°,Azm212.0000° ; P -1.5900,Plg24.0000°,Azm121.0000° $M_0$1.70000×10^{17}

(702) Balleny Islands region

ISC	**XII**	**31 20 02 04.7–.34**	**61.66S–.06**	**154.55E–.09**	**10**	**5.1b,4.8s**	**158**	**16-158**
IDC	XII	31 20 02 01.9–.52	61.61S	154.47E	0	4.8,4.6		**¶602068857**
ISCJB	XII	31 20 02 03.1–.29	61.55S–.04	154.3E–.10	10	4.9b,4.9s		
MOS	XII	31 20 02 04.2–1.8	61.55S	154.26E	10	5.2b,4.6s		
BJI	XII	31 20 02 04.4	61.60S	154.30E	10	5.7b,5.4b		
NEIC	XII	31 20 02 04.2–.24	61.62S	154.30E	10	5.2b,4.9s		
GCMT	XII	31 20 02 08.2–.10	61.49S–.01	154.18E–.02	13–1	5.4W,4.9s		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c111; s94,c165;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$1.07±.03; $M_{\phi\phi}$-0.96±.03; $M_{r\theta}$-0.13±.06; $M_{\theta\phi}$-0.98±.02; $M_{\phi r}$0.29±.07; Best double couple: NP1:ϕ_s157.00000°,δ89.00000°,λ-13.00000°. NP2:ϕ_s247.00000°,δ77.00000°,λ-179.00000°. Principal axes: T 1.4980,Plg8.0000° ,Azm203.0000°; N -0.1070,Plg77.0000°,Azm332.0000°; P -1.3930,Plg10.0000° ,Azm111.0000° $M_0$1.44600×10^{17}

MAJOR INTERMEDIATE FOCUS EARTHQUAKES
60km<h<=300km,M>=5.5

(216) Mariana Islands

ISC	**VII**	**01 02 04 37.3–.53**	**14.09N–.05**	**145.14E–.06**	**105–4**	**4.7b**	**265**	**1-152**
DJA	VII	01 02 04 35.9–1.1	14N–14	145E–6.0	96–4	5.6b,5.2b		**¶601218157**
ISCJB	VII	01 02 04 36.0–.55	14.09N–.03	145.07E–.04	102–5	4.6b,5.2b		
IDC	VII	01 02 04 36.4–.53	14.12N	145.18E	95–4	4.6,4.3		
NEIC	VII	01 02 04 37.2–.69	14.09N	145.10E	101–6	4.7b,4.3		
GCMT	VII	01 02 04 37.2–.40	14.07N	145.10E	134–6	4.9W,4.3		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.6km az=30.6.

IDC Error ellipse: s-maj=15.6km s-min=7.8km az=92.0.

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=100.0. Felt on Saipan. Felt [III] at Barrigada, Santa Rita, Tamuning and Yigo, Guam. Also felt at Andersen AFB, Apra Harbor, Dededo, Hagatna Heights, Mangilao and Mongmong.

GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c14; s68,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$1.61±.13; $M_{\phi\phi}$-1.14±.14; $M_{r\theta}$1.26±.09; $M_{\theta\phi}$0.81±.13; $M_{\phi r}$-1.41±.10; Best double couple: NP1:ϕ_s298.00000°,δ81.00000° ,λ-47.00000°. NP2:ϕ_s38.00000°,δ43.00000°,λ-167.00000°. Principal axes: T 2.2090,Plg24.0000°,Azm357.0000°; N 0.5100,Plg42.0000°,Azm110.0000° ; P -2.7250,Plg39.0000°,Azm246.0000° $M_0$2.46700×10^{16}

(259) Mindanao

ISC	**VII**	**01 07 49 54.6–.61**	**5.65N–.04**	**125.67E–.06**	**157–5**	**4.6b**	**178**	**1-152**
BJI	VII	01 07 49 50.1	5.41N	125.87E	145	4.8b,4.7b		**¶601218176**
IDC	VII	01 07 49 54.0–.62	5.69N	125.48E	152–5	4.6,4.2		
MAN	VII	01 07 49 53.4	5.58N	125.72E	153	5.5b,4.8s		
NEIC	VII	01 07 49 53.9–.62	5.66N	125.54E	151–6	4.7b,4.8s		
ISCJB	VII	01 07 49 53.3–.28	5.67N–.02	125.69E–.04	158–3	4.6b,4.8s		
DJA	VII	01 07 49 54.5–.40	6N–4.0	126E–5.0	149–4	5.2b,5.1		

ISC Event type fe.

NEIC Event type fe. Felt [II PIVS] at General Santos.

ISCJB Event type fe.

(193) Bougainville-Solomon Islands region

ISC	**VII**	**03 03 49 33.5–.33**	**10.84S–.03**	**163.41E–.04**	**98–2**	**5.5b**	**1153**	**4-167**
ISCJB	VII	03 03 49 31.5–.96	10.80S–.03	163.29E–.02	89–8	5.5b		**¶601235612**
BJI	VII	03 03 49 32.8	10.37S	163.48E	92	5.4b,5.4b		
GCMT	VII	03 03 49 33.0–.10	10.86S	163.41E	111–0	5.5W,5.4b		
NEIC	VII	03 03 49 33.0–.09	10.82S	163.33E	92	5.6b,5.5W		
MOS	VII	03 03 49 33.1–.96	10.64S	163.32E	97	5.6b,4.4s		
NEIC	VII	03 03 49 33.0–.00	10.76S	163.21E	100	5.6b,4.4s		
IDC	VII	03 03 49 34.5–1.4	10.85S	163.39E	107–12	5.3,5.0		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.6km az=173.2.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s125,c209; s121,c252;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.29±.03 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-2.49±.03; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$0.65±.03; $M_{\phi r}$-0.70±.03; Best double couple: NP1: ϕ_s164.00000°,δ53.00000°,λ87.00000°. NP2:ϕ_s350.00000°,δ37.00000°,λ95.00000°. Principal axes: T 2.4050,Plg81.0000°,Azm58.0000°; N 0.3420,Plg3.0000°,Azm166.0000° ; P -2.7470,Plg8.0000°,Azm257.0000° $M_0$2.57600×10^{17}

NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=141.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-2.05 $M_{r\theta}$0.41 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.53 Best double couple: NP1:ϕ_s153.00000°,δ52.00000°,λ86.00000°. NP2: ϕ_s339.00000°,δ38.00000°,λ95.00000°. Principal axes: T 2.6300,Plg82.0000°,Azm42.0000° ; N -0.1200,Plg3.0000°,Azm155.0000°; P -2.5100,Plg7.0000°,Azm246.0000° $M_0$2.60000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ30.00000°,λ90.00000°. NP2:ϕ_s165.00000°,δ60.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000° ,Azm255.0000°

MOS Error ellipse: s-maj=7.4km s-min=6.3km az=87.5.

NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-2.06 $M_{r\theta}$0.22 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.64 Best double couple: NP1:ϕ_s165.00000° ,δ54.00000°,λ88.00000°. NP2:ϕ_s349.00000°,δ36.00000°,λ93.00000°. Principal axes: T 2.1100,Plg80.0000°,Azm64.0000°; N 0.1700,Plg1.0000°,Azm166.0000° ; P -2.2800,Plg8.0000°,Azm256.0000° $M_0$2.20000×10^{17}

IDC Error ellipse: s-maj=9.5km s-min=8.0km az=82.0.

(163) Cook Strait

ISC	**VII**	**03 10 36 15.9–.18**	**40.06S–.02**	**173.66E–.02**	**239–1**	**5.8b**	**1599**	**1-179**
ISCJB	VII	03 10 36 14.1–.10	40.03S–.02	173.64E–.02	230–1	5.7b		**¶601235877**
MOS	VII	03 10 36 14.1–1.3	39.94S	173.69E	227	5.9b		
WEL	VII	03 10 36 14.2	40S–4.0	174E–4.0	241–5	5.9b		
BJI	VII	03 10 36 15.1	39.86S	173.74E	236	5.5b,5.4b		
GCMT	VII	03 10 36 15.5–.10	40.05S	173.63E	230–0	6.3W,5.4b		
NEIC	VII	03 10 36 15.5–.00	40.02S	173.76E	230	6.3W,6.3W		
NEIC	VII	03 10 36 16.0–.00	40.06S	173.70E	230	6.3W,6.3W		
IDC	VII	03 10 36 16.5–.26	40.04S	173.65E	240–2	6.0,5.5b		
NEIC	VII	03 10 36 47.0–.00	39.17S	173.68E	267	6.0,5.5b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=44.4.

MOS Error ellipse: s-maj=9.5km s-min=7.1km az=95.5.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s147,c360; s143,c572;Duration: 3s5 Moment tensor: Scale 10^{18} Nm; M_{rr}0.36±.01 $M_{\theta\theta}$0.88±.02; $M_{\phi\phi}$-1.25±.02; $M_{r\theta}$2.80±.01; $M_{\theta\phi}$0.31±.02; $M_{\phi r}$-2.07±.01; Best double couple: NP1:ϕ_s128.00000°,δ87.00000°,λ72.00000°. NP2:ϕ_s30.00000° ,δ18.00000°,λ172.00000°. Principal axes: T 3.7380,Plg45.0000°,Azm21.0000° ; N -0.1480,Plg18.0000°,Azm129.0000°; P -3.5940,Plg40.0000°,Azm235.0000° $M_0$3.66600×10^{18}

NEIC Event type fe. Felt [V] at Blenheim, Kapiti and Porirua. Felt in most of New Zealand from Auckland and Bay of Plenty to Otago and Southland. Depth from broadband displacement seismograms. Energy computed from BB mechanism. After WEL. Moment Tensor Solution. $M_0$4.60000×10^{18} Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-1.02 $M_{r\theta}$2.74 $M_{\theta\phi}$-0.55 $M_{\phi r}$-2.08 Best double couple: NP1:ϕ_s311.00000° ,δ88.00000°,λ-75.00000°. NP2:ϕ_s49.00000°,δ15.00000°,λ-172.00000°. Principal axes: T 3.9500,Plg41.0000°,Azm28.0000°; N -0.7900,Plg15.0000°,Azm131.0000° ; P -3.1700,Plg45.0000°,Azm236.0000° $M_0$3.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s22.00000°,δ16.00000°,λ161.00000°. NP2: ϕ_s130.00000°,δ85.00000°,λ75.00000°. Principal axes: T Plg48.0000°,Azm24.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm233.0000°

NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{18}Nm; M_{rr}0.29 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-1.42 $M_{r\theta}$2.85 $M_{\theta\phi}$0.28 $M_{\phi r}$-2.12 Best double couple: NP1:ϕ_s129.00000° ,δ88.00000°,λ70.00000°. NP2:ϕ_s34.00000°,δ20.00000°,λ175.00000°. Principal axes: T 3.8800,Plg43.0000°,Azm19.0000°; N -0.1800,Plg20.0000°,Azm129.0000° ; P -3.6900,Plg39.0000°,Azm237.0000° $M_0$3.80000×10^{18}

IDC Error ellipse: s-maj=6.9km s-min=5.3km az=47.0.

NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{18}Nm; M_{rr}0.34 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.27 $M_{r\theta}$2.18 $M_{\theta\phi}$0.74 $M_{\phi r}$-1.55 Best double couple: NP1:ϕ_s125.00000° ,δ86.00000°,λ65.00000°. NP2:ϕ_s26.00000°,δ26.00000°,λ170.00000°. Principal axes: T 2.8900,Plg43.0000°,Azm10.0000°; N 0.2000,Plg25.0000°,Azm127.0000° ; P -3.1000,Plg36.0000°,Azm237.0000° $M_0$3.00000×10^{18}

(221) Kuril Islands

ISC	**VII**	**04 02 37 47.4–.48**	**43.80N–.04**	**146.37E–.03**	**80–4**	**4.4b**	**292**	**0-148**
NIED	VII	04 02 37 00	43.70N	146.40E	80	4.2W		**¶601242401**
BJI	VII	04 02 37 42.3	43.79N	146.79E	75	4.9b,4.7b		
MOS	VII	04 02 37 46.5–1.0	43.72N	146.39E	90	4.5b,4.7b		
ISCJB	VII	04 02 37 47.2–.27	43.79N–.03	146.35E–.03	92–1	4.4b,4.7b		
NEIC	VII	04 02 37 47.2–.20	43.83N	146.32E	77	4.5b,4.7b		
SKHL	VII	04 02 37 48.2–.40	43.74N	146.37E	87–2	6.8s,5.9b		
JMA	VII	04 02 37 48.2–.10	43.71N	146.43E	79–2	4.0,5.9b		
IDC	VII	04 02 37 49.6–2.1	43.89N	146.25E	97–17	4.2,4.1		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ24.00000°,λ-132.00000°. NP2:ϕ_s29.00000°,δ73.00000°,λ-74.00000°. $M_0$2.30000×10^{15}

MOS Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=100.4. Felt (III) at Yuzhno-Kuril'sk; (II-III) at Malokuril'skoye. Moment Tensor Solution.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=145.8.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=153.0. Recorded [2 JMA] in eastern Hokkaido.

SKHL Event type fe. Felt (III) at Yushno-Kurilsk; felt (II-III) at Malokurilskoe.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

IDC Error ellipse: s-maj=14.6km s-min=10.7km az=157.0.

(207) Eastern New Guinea region

ISC	**VII**	**04 10 26 22.6–.35**	**5.80S–.04**	**147.46E–.06**	**77**	**4.7b**	**123**	**4-145**
BJI	VII	04 10 26 20.1	6.01S	147.99E	98	5.1b,4.9b		**¶601240443**
ISCJB	VII	04 10 26 21.7–.26	5.73S–.03	147.41E–.05	77	4.7b,4.9b		
DJA	VII	04 10 26 23.8–.90	6S–5.0	148E–9.0	91–8	5.8b,5.5		
NEIC	VII	04 10 26 26.3–.59	5.79S	147.44E	114–6	4.9b,5.5		
IDC	VII	04 10 26 28.9–1.9	5.78S	147.49E	141–18	4.6,4.2		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=5.4.

NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=101.0.

IDC Error ellipse: s-maj=13.9km s-min=7.6km az=92.0.

(282) South of Jawa

ISC	**VII**	**04 13 13 31.9–.60**	**8.93S–.07**	**113.03E–.04**	**121–5**	**4.0b**	**59**	**1-149**
NEIC	VII	04 13 13 29.4–.92	8.84S	113.07E	95–9	4.3b		**¶601351257**
IDC	VII	04 13 13 29.3–2.5	8.83S	113.08E	93–22	4.1,3.8		
ISCJB	VII	04 13 13 31.3–.42	8.84S–.06	113.09E–.03	129–3	3.9b,3.8		
DJA	VII	04 13 13 32.6–.40	9S–8.0	113E–2.0	94–9	5.5b,5.0		

ISC Event type se.

NEIC Event type se.

ISCJB Event type se.

(276) Sunda Strait

ISC	**VII**	**04 23 39 19.5–.72**	**6.83S–.07**	**105.81E–.05**	**113–5**	**4.4b**	**186**	**0-151**
BJI	VII	04 23 39 17.2	6.60S	105.80E	95	4.8b,4.7b		**¶601242104**
ISCJB	VII	04 23 39 19.2–.44	6.75S–.06	105.87E–.04	130–2	4.2b,4.7b		
NEIC	VII	04 23 39 20.7–1.2	6.58S	105.89E	118–9	4.4b,4.7b		
DJA	VII	04 23 39 20.9–.30	7S–4.0	106E–2.0	91–4	5.6b,5.0		
IDC	VII	04 23 39 22.7–1.5	6.62S	105.99E	143–10	4.3,4.0		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=3.8km az=32.2.

NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.7km az=48.0.

IDC Error ellipse: s-maj=25.3km s-min=10.8km az=43.0.

(224) Hokkaido region

ISC	**VII**	**05 16 07 16.9–.58**	**42.03N–.04**	**142.57E–.03**	**64–5**	**4.2b**	**148**	**0-146**
NIED	VII	05 16 07 00	42.00N	142.60E	50	4.1W		**¶601505938**
ISCJB	VII	05 16 07 15.8–.26	42.04N–.03	142.58E–.03	70–2	4.1b		
JMA	VII	05 16 07 16.3–.20	42.04N	142.60E	64–2	3.8		
MOS	VII	05 16 07 16.2–.83	42.03N	142.64E	76	4.3b		
NEIC	VII	05 16 07 16.9–.48	42.01N	142.76E	78–5	4.6b		
BJI	VII	05 16 07 16.5	42.10N	142.60E	64	4.6b,4.5b		
IDC	VII	05 16 07 17.8–1.6	42.07N	142.54E	70–13	3.9,3.8		
SKHL	VII	05 16 07 17.3–1.1	41.96N	142.71E	82–2	6.0s,5.2b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s26.00000°,δ66.00000°,λ88.00000°. $M_0$1.41000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.2km az=147.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ64.00000°,λ89.00000°. NP2: ϕ_s204.00000°,δ26.00000°,λ92.00000°. Principal axes: T Plg71.0000°,Azm289.0000° ; N Plg1.0000°,Azm22.0000°; P Plg19.0000°,Azm112.0000°

MOS Error ellipse: s-maj=9.1km s-min=6.2km az=76.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=116.0.
IDC Error ellipse: s-maj=14.5km s-min=9.9km az=122.0.

(186) Vanuatu Islands

ISC	**VII**	**06 02 28 22.6–.22**	**14.66S–.03**	**167.30E–.03**	**165–1**	**5.8b**	**2211**	**7-172**
BJI	VII	06 02 28 21.2	14.58S	167.29E	164	6.3b,5.8b		**¶601505943**
WEL	VII	06 02 28 22.0	14.66S	167.34E	160	6.3b,5.8b		
IDC	VII	06 02 28 22.1–.35	14.68S	167.40E	160–2	6.1,5.6		
GCMT	VII	06 02 28 22.2–.10	14.74S	167.19E	169–0	6.4W,5.6		
NEIC	VII	06 02 28 22.2–.08	14.66S	167.34E	160	6.3W,6.3W		
ISCJB	VII	06 02 28 22.9–.63	14.67S–.02	167.29E–.02	178–5	5.7b,6.3W		
NEIC	VII	06 02 28 22.0–.00	14.46S	167.05E	170	5.7b,6.3W		
MOS	VII	06 02 28 23.0–.89	14.61S	167.27E	178	6.0b,5.5s		
NEIC	VII	06 02 28 39.9–.00	13.95S	168.22E	154	6.0b,5.5s		

ISC Event type fe.
WEL manual. confirmed.
IDC Error ellipse: s-maj=7.7km s-min=6.9km az=53.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s147,c372; s148,c626;Duration: $3s$8 Moment tensor: Scale 10^{18} Nm; M_{rr}4.04±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-3.65±.02; $M_{r\theta}$-1.45±.02; $M_{\theta\phi}$1.96±.02; $M_{\phi r}$-0.83±.02; Best double couple: NP1:ϕ_s175.00000°,δ50.00000°,λ119.00000°. NP2:ϕ_s315.00000°,δ48.00000°,λ60.00000°. Principal axes: T 4.7080,Plg68.0000°,Azm153.0000° ; N -0.1320,Plg22.0000°,Azm336.0000°; P -4.5710,Plg1.0000°,Azm245.0000° M_o4.63900×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=143.0. Felt at Luganville and Port Olry. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. M_o5.50000×10^{18} Moment Tensor Solution. s99 Moment tensor: Scale 10^{18}Nm; M_{rr}2.77 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$-1.87 $M_{r\theta}$-1.24 $M_{\theta\phi}$1.04 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s165.00000°,δ44.00000°,λ118.00000°. NP2:ϕ_s308.00000°,δ53.00000°,λ66.00000°. Principal axes: T 3.2300,Plg70.0000°,Azm158.0000° ; N -0.6700,Plg19.0000°,Azm323.0000°; P -2.5600,Plg5.0000°,Azm55.0000° M_o3.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ48.00000°,λ109.00000°. NP2:ϕ_s320.00000°,δ45.00000°,λ70.00000°. Principal axes: T Plg76.0000°,Azm147.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm244.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=177.4.
NEIC Event type se. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}3.38 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-2.88 $M_{r\theta}$-1.03 $M_{\theta\phi}$1.41 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s176.00000°,δ55.00000°,λ115.00000°. NP2:ϕ_s316.00000°,δ42.00000°,λ58.00000°. Principal axes: T 4.0500,Plg68.0000°,Azm139.0000°; N -0.4100,Plg20.0000°,Azm340.0000° ; P -3.6400,Plg7.0000°,Azm247.0000° M_o3.90000×10^{18}
MOS Error ellipse: s-maj=6.5km s-min=5.9km az=101.8.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}3.10 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-2.58 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.81 $M_{\phi r}$-1.73 Best double couple: NP1:ϕ_s182.00000°,δ60.00000°,λ109.00000°. NP2:ϕ_s326.00000°,δ35.00000°,λ59.00000°. Principal axes: T 3.8700,Plg68.0000°,Azm131.0000°; N -0.6900,Plg17.0000°,Azm352.0000° ; P -3.1800,Plg13.0000°,Azm258.0000° M_o3.50000×10^{18}

(159) North Island

ISC	**VII**	**07 00 50 26.7–.46**	**39.16S–.03**	**175.74E–.03**	**100–3**	**5.3b**	**439**	**0-179**
BJI	VII	07 00 50 23.7	39.64S	176.07E	91	5.8b,5.5b		**¶601243864**
MOS	VII	07 00 50 24.3–1.2	39.03S	175.78E	87	5.1b,5.5b		
ISCJB	VII	07 00 50 25.6–.13	39.12S–.02	175.76E–.03	99–1	5.2b,5.5b		
WEL	VII	07 00 50 26.8	39.1S–.80	176E–1.0	90–1	5.2b,5.5b		
IDC	VII	07 00 50 27.1–.80	38.94S	175.82E	102–8	5.1,4.9		
NEIC	VII	07 00 50 27.0–.00	39.07S	175.81E	91	5.7L,5.3b		
GCMT	VII	07 00 50 27.0–.20	39.11S	175.74E	104–3	5.0W,5.3b		

ISC Event type fe.
MOS Error ellipse: s-maj=12.2km s-min=9.7km az=75.9.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=26.4.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=11.8km s-min=10.5km az=20.0.
NEIC Event type fe. Felt at Opotiki and Taihape. Felt widely on the North Island. After WEL.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s29,c34; s83,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.03±.14 $M_{\theta\theta}$2.38±.15; $M_{\phi\phi}$-3.41±.14; $M_{r\theta}$1.26±.09; $M_{\theta\phi}$-0.01±.13; $M_{\phi r}$-2.25±.09; Best double couple: NP1:ϕ_s143.00000°,δ81.00000°,λ46.00000°. NP2:ϕ_s44.00000°,δ45.00000°,λ168.00000°. Principal axes: T 3.3760,Plg37.0000°,Azm15.0000°; N 1.0110,Plg44.0000°,Azm151.0000° ; P -4.3860,Plg23.0000°,Azm265.0000° M_o3.88100×10^{16}

(153) South Sandwich Islands region

ISC	**VII**	**07 08 11 37.6–.69**	**56.26S–.05**	**27.47W–.05**	**109–5**	**5.4b**	**711**	**6-176**
MOS	VII	07 08 11 32.6–.88	56.22S	27.43W	73	5.6b		**¶601505953**
ISCJB	VII	07 08 11 35.7–.18	56.24S–.04	27.55W–.07	100	5.4b		
BJI	VII	07 08 11 36.5	56.20S	27.40W	99	5.2b		
NEIC	VII	07 08 11 37.0–.89	56.20S	27.41W	101–7	5.4b		
IDC	VII	07 08 11 37.6–1.0	56.21S	27.41W	108–7	5.3,5.0		
GCMT	VII	07 08 11 37.0–.20	56.44S	27.18W	80–1	5.2W,5.0		

ISC Event type se.
MOS Error ellipse: s-maj=19.8km s-min=9.9km az=106.4.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=142.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.7km az=60.0.
IDC Error ellipse: s-maj=11.9km s-min=8.9km az=54.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s77,c110; s104,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.79±.16 $M_{\theta\theta}$4.28±.19; $M_{\phi\phi}$-0.48±.19; $M_{r\theta}$-2.57±.12; $M_{\theta\phi}$2.56±.14; $M_{\phi r}$-3.52±.10; Best double couple: NP1:ϕ_s44.00000°,δ69.00000°,λ-113.00000°. NP2:ϕ_s273.00000°,δ31.00000°,λ-45.00000°. Principal axes: T 6.8060,Plg20.0000°,Azm151.0000°; N -0.7060,Plg22.0000°,Azm52.0000° ; P -6.0990,Plg60.0000°,Azm280.0000° M_o6.45300×10^{16}

(267) Halmahera

ISC	**VII**	**08 04 14 38.4–4.6**	**1.6N–.50**	**127.6E–.20**	**112**	**4.1b**	**7**	**1-36**
IDC	VII	08 04 14 21.2–11	2.35N	127.98E	0	4.2,4.1		**¶601664274**
DJA	VII	08 04 14 36.8–.90	1N–5.0	128E–6.0	110–8	6.4b,6.3b		

ISC Event type ke.

(224) Hokkaido region

ISC	**VII**	**09 08 30 19.8–.62**	**42.05N–.04**	**142.49E–.03**	**71–5**	**4.2b**	**146**	**0-146**
NIED	VII	09 08 30 00	42.10N	142.50E	62	3.9W		**¶601258059**
BJI	VII	09 08 30 13.8	42.13N	143.26E	74	4.7b,4.7b		
ISCJB	VII	09 08 30 18.3–.23	42.07N–.03	142.49E–.03	72–2	4.1b,4.7b		
MOS	VII	09 08 30 18.4–.75	42.05N	142.49E	77	4.3b,4.7b		
JMA	VII	09 08 30 18.9–.20	42.07N	142.48E	67–2	3.8,4.7b		
NEIC	VII	09 08 30 19.1–.65	42.03N	142.96E	88–5	4.4b,4.7b		
IDC	VII	09 08 30 20.2–1.6	42.10N	142.40E	74–12	3.9,3.7		
SKHL	VII	09 08 30 20.0–.90	41.97N	142.70E	82–2	5.9s,5.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ25.00000°,λ113.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ80.00000°. M_o8.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.8km az=149.7.
MOS Error ellipse: s-maj=10.6km s-min=7.1km az=68.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ85.00000°,λ97.00000°. NP2: ϕ_s135.00000°,δ9.00000°,λ31.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg7.0000°,Azm193.0000°; P Plg40.0000°,Azm97.0000°
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=7.7km az=119.0. Felt at Shizunai. Also felt at Aomori, Honshu. Recorded [2 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=15.4km s-min=10.3km az=125.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**09 12 25 46.6–.32**	**0.21S–.03**	**122.73E–.04**	**90–2**	**5.2b**	**739**	**1-177**
MOS	VII	09 12 25 44.7–1.2	0.11S	122.68E	81	5.3b		**¶601252232**
ISCJB	VII	09 12 25 46.0–.26	0.22S–.02	122.80E–.02	97–2	5.1b		
BJI	VII	09 12 25 45.4	0.20S	122.80E	87	5.3b,5.1b		
DJA	VII	09 12 25 47.0–.20	0S–2.0	123E–1.0	58–3	5.6b,5.5		
NEIC	VII	09 12 25 47.3–.39	0.17S	122.79E	94–3	5.3b,5.5		
IDC	VII	09 12 25 47.5–1.1	0.14S	122.69E	98–8	5.0,4.7		
GCMT	VII	09 12 25 47.3–.20	0.15S	122.80E	77–1	5.1W,4.7		

ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=106.7.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.1km az=28.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=63.0.
IDC Error ellipse: s-maj=11.6km s-min=7.9km az=73.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s65,c89; s94,c156; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.11±.14 $M_{\theta\theta}$-0.39±.11; $M_{\phi\phi}$-3.72±.13; $M_{r\theta}$2.07±.08; $M_{\theta\phi}$-2.60±.10; $M_{\phi r}$-0.70±.11; Best double couple: NP1:ϕ_s53.00000°,δ53.00000°,λ125.00000°. NP2:ϕ_s184.00000°,δ49.00000°,λ53.00000°. Principal axes: T 5.2260,Plg63.0000°,Azm25.0000°; N -0.0670,Plg27.0000°,Azm211.0000° ; P -5.1600,Plg3.0000°,Azm120.0000° M_o5.19300×10^{16}

(193) Bougainville-Solomon Islands region

ISC	**VII**	**10 23 26 04.7–.40**	**5.93S–.06**	**154.90E–.07**	**200**	**4.6b**	**183**	**3-132**
BJI	VII	10 23 26 02.4	6.02S	155.24E	213	4.8b,4.7b		**¶601261266**
ISCJB	VII	10 23 26 03.4–.19	5.93S–.03	154.88E–.03	200	4.5b,4.7b		
IDC	VII	10 23 26 03.6–.84	5.92S	154.90E	190–7	4.8,4.3		
NEIC	VII	10 23 26 05.6–.80	5.92S	154.87E	208–7	4.6b,4.3		
DJA	VII	10 23 26 17.8–2.1	6S–7.0	154E–15	278–15	5.5b,5.2b		

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

(171) South of Fiji Islands

ISC	**VII**	**11 11 12 40.1–.28**	**26.06S–.04**	**177.28W–.04**	**93–2**	**5.3b**	**986**	**3-169**
MOS	VII	11 11 12 38.1–1.0	25.95S	177.39W	81	5.5b,4.8s		**¶601261452**
ISCJB	VII	11 11 12 39.4–.10	26.46S–.02	177.30W–.03	103	5.3b,4.8s		
GCMT	VII	11 11 12 40.2–.10	26.01S	177.00W	97–0	5.7W,4.8s		
BJI	VII	11 11 12 40.2	25.34S	177.14W	92	5.6b,5.3b		
WEL	VII	11 11 12 40.0	26.05S	177.36W	90	5.6b,5.3b		
NEIC	VII	11 11 12 40.2–.92	26.05S	177.36W	90–8	5.7W,5.7W		
NEIC	VII	11 11 12 41.0–.00	25.60S	177.15W	100	5.7W,5.7W		
IDC	VII	11 11 12 43.6–3.0	25.96S	177.31W	120–25	5.3,5.1		

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.4km az=74.2.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=39.5.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c220; s129,c315;Duration: $1s$8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57±.04 $M_{\theta\theta}$-3.39±.05; $M_{\phi\phi}$3.96±.05; $M_{r\theta}$-1.83±.04; $M_{\theta\phi}$-2.23±.05; $M_{\phi r}$-1.39±.04; Best double couple: NP1: ϕ_s27.00000°,δ79.00000°,λ-26.00000°. NP2:ϕ_s122.00000°,δ64.00000°,λ-168.00000°. Principal axes: T 4.7330,Plg10.0000°,Azm77.0000°; N 0.3200,Plg62.0000°,Azm186.0000° ; P -5.0490,Plg26.0000°,Azm342.0000° M_o4.89100×10^{17}
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=157.0. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$3.07 $M_{r\theta}$-1.73 $M_{\theta\phi}$-1.50 $M_{\phi r}$-1.31 Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ-35.00000°. NP2:ϕ_s126.00000°,δ57.00000°,λ-161.00000°. Principal axes: T 3.6400,Plg11.0000°,Azm79.0000° ; N 0.2600,Plg52.0000°,Azm184.0000°; P -3.9000,Plg36.0000°,Azm340.0000° M_o3.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24 $M_{\theta\theta}$-3.02 $M_{\phi\phi}$3.25 $M_{r\theta}$-2.08 $M_{\theta\phi}$-1.46 $M_{\phi r}$-1.48 Best double couple: NP1:ϕ_s31.00000°,δ82.00000°,λ-33.00000°. NP2:ϕ_s126.00000°,δ57.00000°,λ-170.00000°. Principal axes: T 3.8700,Plg16.0000°,Azm83.0000°; N 0.7600,Plg55.0000°,Azm199.0000° ; P -4.6300,Plg28.0000°,Azm343.0000° M_o4.30000×10^{17}
IDC Error ellipse: s-maj=11.1km s-min=10.7km az=11.0.

(688) East of North Island

ISC	**VII**	**12 07 05 37.4–1.5**	**36.46S–.07**	**179.58W–.08**	**62–11**	**4.8b**	**205**	**2-159**
IDC	VII	12 07 05 28.7–.61	36.05S	179.57W	0	4.6,4.5		**¶601505979**
WEL	VII	12 07 05 31.2–.93	36S–7.0	179W–10	33	5.0L,4.5		
NEIC	VII	12 07 05 34.2–1.8	36.12S	179.60W	37–14	4.7b,4.5		
BJI	VII	12 07 05 35.4	36.49S	178.98W	69	5.5b,5.2b		
ISCJB	VII	12 07 05 36.6–.90	36.54S–.05	179.70W–.08	73–6	4.6b,5.2b		

ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
ISCJB Event type se.

(717) Afghanistan-Tajikistan border region

ISC	**VII**	**12 14 00 34.2–.18**	**36.51N–.02**	**70.87E–.02**	**197–1**	**5.7b**	**1927**	**2-150**
SOME	VII	12 14 00 31.0	37.12N	70.97E	0	5.5s		**¶601268265**
ISCJB	VII	12 14 00 32.0–.19	36.50N–.01	70.87E–.01	185–1	5.7b		
MOS	VII	12 14 00 32.8–.92	36.54N	70.91E	191	6.0b,4.9s		
NEIC	VII	12 14 00 33.0–.00	36.60N	70.75E	190	6.0b,4.9s		
BJI	VII	12 14 00 33.7	36.61N	70.96E	190	5.7b,5.5b		
NEIC	VII	12 14 00 34.3–.12	36.53N	70.91E	198	5.8,5.8W		
IDC	VII	12 14 00 34.6–.26	36.49N	70.96E	200–2	6.0,5.5		
GCMT	VII	12 14 00 34.3–.10	36.47N	70.76E	192–0	5.8W,5.5		
NNC	VII	12 14 00 36.4–2.1	36.89N	70.74E	203–28	6.8,5.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=27.4.
MOS Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=123.4. Felt (II-III) at Shymkent, Dzhambul. Moment Tensor Solution.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}3.71 $M_{\theta\theta}$-3.56 $M_{\phi\phi}$-0.15 $M_{r\theta}$-1.82 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.56 Best double couple: NP1:ϕ_s269.00000°,δ58.00000°,λ104.00000°. NP2:ϕ_s64.00000°,δ34.00000°,λ69.00000°. Principal axes: T 4.2600,Plg72.0000°,Azm214.0000°; N -0.1400,Plg11.0000°,Azm82.0000° ; P -4.1200,Plg12.0000°,Azm349.0000° M_o4.20000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=196.0. Felt [IV] at Kabul and Jalalabad; [III] at Bagrami, Jurm and Mahmud-e Raqi. Also felt at Charikar. Felt [IV] at Lahore, Pakistan. Also felt at Dir and Peshawar. Felt [III] at Tashkent, Uzbekistan and [II] at Dushanbe, Tajikistan. Felt [III] at Gurgaon, India. Also felt at Delhi, Jaipur and Noida. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}5.07 $M_{\theta\theta}$-4.33 $M_{\phi\phi}$-0.73 $M_{r\theta}$-3.65 $M_{\theta\phi}$-0.25 $M_{\phi r}$2.03 Best double couple: NP1:ϕ_s76.00000°,δ27.00000°,λ63.00000°. NP2:ϕ_s286.00000°,δ66.00000°,λ103.00000°. Principal axes: T 6.8500,Plg67.0000° ,Azm220.0000°; N -1.2300,Plg12.0000°,Azm100.0000°; P -5.6300,Plg20.0000°,Azm6.0000° M_o6.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s260.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s80.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm170.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm350.0000°
IDC Error ellipse: s-maj=5.9km s-min=4.3km az=17.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s120,c188; s140,c389;Duration: $1s$9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.67±.05 $M_{\theta\theta}$-4.26±.06; $M_{\phi\phi}$-0.41±.05; $M_{r\theta}$-3.29±.05; $M_{\theta\phi}$-0.70±.06; $M_{\phi r}$0.21±.04; Best double couple: NP1: ϕ_s268.00000°,δ63.00000°,λ97.00000°. NP2:ϕ_s73.00000°,δ28.00000°,λ77.00000°. Principal axes: T 5.7800,Plg71.0000°,Azm192.0000°; N -0.3690,Plg6.0000°,Azm85.0000° ; P -5.4130,Plg18.0000°,Azm353.0000° M_o5.59700×10^{17}
NNC Event type se. Error ellipse: s-maj=23.7km s-min=12.7km az=167.0.

(221) Kuril Islands

ISC	**VII**	**14 00 13 15.8–.77**	**50.58N–.06**	**157.19E–.05**	**78–5**	**4.3b**	**215**	**1-154**
KRSC	VII	14 00 13 14.9–2.1	50.56N	157.56E	66–24	4.6L		**¶601273210**
BJI	VII	14 00 13 16.7	50.90N	156.80E	95	4.8b,4.7b		
MOS	VII	14 00 13 16.9–1.0	50.73N	156.90E	93	4.1b,4.7b		
SKHL	VII	14 00 13 17.1–.20	50.68N	156.94E	93–2	6.4s,5.7b		
NEIC	VII	14 00 13 19.7–1.9	50.86N	156.77E	95–13	4.5b,5.7b		
IDC	VII	14 00 13 21.0–1.4	50.87N	156.72E	112–11	4.0,3.8		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=3.8km az=75.9.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=6.5km az=180.0.
IDC Error ellipse: s-maj=13.8km s-min=9.6km az=146.0.

(221) Kuril Islands

ISC	**VII**	**15 14 34 46.1–.27**	**43.25N–.03**	**146.47E–.03**	**64–1**	**5.2b**	**1799**	**1-154**
NIED	VII	15 14 34 00	43.20N	146.30E	62	4.9W		**¶605671894**
BJI	VII	15 14 34 43.7	43.24N	146.52E	61	4.9b,4.9b		
IDC	VII	15 14 34 44.8–1.6	43.24N	146.45E	49–14	5.2,5.0		
ISCJB	VII	15 14 34 45.1–.26	43.15N–.02	146.47E–.02	67–2	5.1b,5.0		
MOS	VII	15 14 34 46.0–.77	43.25N	146.42E	73	5.5b,4.0s		
SKHL	VII	15 14 34 46.3–.70	43.18N	146.46E	74–4	6.1b,4.0s		
GCMT	VII	15 14 34 46.4–.30	43.23N	146.49E	69–3	5.0W,4.0s		
NEIC	VII	15 14 34 46.4–.09	43.24N	146.41E	64	5.2b,4.0s		
JMA	VII	15 14 34 46.7–.10	43.16N	146.41E	62–1	5.0,4.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ36.00000°,λ30.00000°. NP2:ϕ_s63.00000°,δ72.00000°,λ123.00000°. M_o2.60000×10^{16}
IDC Error ellipse: s-maj=10.9km s-min=9.4km az=123.0.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=162.5.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=108.0. Felt (IV) at Malokuril'skoye; (III-IV) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (IV) at Malokurilskoe; felt (III) at Yushno-Kurilsk.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s33,c37; s93,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.21±.15 $M_{\theta\theta}$0.41±.12; $M_{\phi\phi}$-1.62±.11; $M_{r\theta}$2.29±.08; $M_{\theta\phi}$-1.82±.10; $M_{\phi r}$0.49±.07; Best double couple: NP1:ϕ_s67.00000°,δ76.00000°,λ128.00000°. NP2:ϕ_s174.00000°,δ40.00000°,λ22.00000°. Principal axes: T 3.2830,Plg45.0000°,Azm15.0000°; N 0.0450,Plg37.0000°,Azm236.0000°; P -3.3270,Plg22.0000°,Azm129.0000° $M_0$3.30500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=160.0. Recorded [3 JMA] in eastern Hokkaido. Recorded [1 JMA] in Aomori and Iwate, Honshu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(274) Southern Sumatera

ISC	VII	18 04 33 59.1–.44	4.45S–.04	102.67E–.04	66–3	5.3b	1108 0-176
MOS	VII	18 04 33 55.7–1.2	4.29S	102.83E	46	5.5b,4.0s	¶601404417
KLM	VII	18 04 33 57.0	4.74S	102.29E	68	5.6b,4.0s	
BJI	VII	18 04 33 58.2	4.40S	102.70E	68	5.3b,5.0b	
DJA	VII	18 04 33 58.5–.20	5S–2.0	103E–2.0	56–2	5.5,5.4b	
ISCJB	VII	18 04 33 58.3–.32	4.42S–.03	102.73E–.02	72–2	5.2b,5.4b	
GCMT	VII	18 04 33 59.3–.40	4.76S	102.52E	59–2	5.0W,5.4b	
NEIC	VII	18 04 33 59.3–.49	4.38S	102.79E	64–4	5.3b,5.4b	
IDC	VII	18 04 34 00.3–2.4	4.35S	102.84E	74–20	5.1,4.8	

ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=4.5km az=111.3.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.5km az=42.9.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s32,c40; s48,c63; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.54±.25 $M_{\theta\theta}$-3.81±.20; $M_{\phi\phi}$0.27±.29; $M_{r\theta}$1.60±.14; $M_{\theta\phi}$1.88±.14; $M_{\phi r}$0.45±.18; Best double couple: NP1:ϕ_s95.00000°,δ57.00000°,λ69.00000°. NP2:ϕ_s310.00000°,δ39.00000°,λ118.00000°. Principal axes: T 4.0700,Plg70.0000°,Azm317.0000°; N 0.6910,Plg17.0000°,Azm107.0000°; P -4.7610,Plg9.0000°,Azm200.0000° $M_0$4.41500×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=46.0.
IDC Error ellipse: s-maj=10.4km s-min=8.0km az=46.0.

(717) Afghanistan-Tajikistan border region

ISC	VII	19 07 36 35.4–.18	37.23N–.02	71.37E–.02	101–1	5.6b	1747 3-150
ISCJB	VII	19 07 36 32.5–.26	37.19N–.01	71.35E–.01	84–2	5.5b	¶601451990
MOS	VII	19 07 36 34.5–.95	37.22N	71.38E	105	5.6b,4.7s	
IDC	VII	19 07 36 35.6–1.8	37.19N	71.41E	101–16	5.4,5.1	
NNC	VII	19 07 36 35.1–1.6	37.59N	71.05E	0	6.3b,6.0	
NEIC	VII	19 07 36 35.5–.11	37.25N	71.38E	98	5.6W,5.6W	
GCMT	VII	19 07 36 35.5–.10	37.12N	71.19E	111–0	5.7W,5.6W	
NEIC	VII	19 07 36 36.0–.00	37.28N	71.10E	110	5.7W,5.6W	
BJI	VII	19 07 36 36.0	37.30N	71.58E	105	5.6b,5.4b	

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=25.0.
MOS Error ellipse: s-maj=4.5km s-min=3.4km az=124.0.
IDC Error ellipse: s-maj=8.8km s-min=6.0km az=6.0.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=9.0km az=164.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=194.0. Felt at Jurm. Also felt at Islamabad, Lahore and Muzaffarabad, Pakistan; Dushanbe, Tajikistan; Zarafshon, Uzbekistan. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.83 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.33 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s90.00000°,δ58.00000°,λ91.00000°. NP2:ϕ_s268.00000°,δ32.00000°,λ88.00000°. Principal axes: T 3.1300,Plg77.0000°,Azm4.0000°; N -0.0700,Plg1.0000°,Azm270.0000°; P -3.0600,Plg13.0000°,Azm180.0000° $M_0$3.10000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s126,c217; s138,c307;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.43±.04 $M_{\theta\theta}$-3.63±.04; $M_{\phi\phi}$0.20±.04; $M_{r\theta}$1.19±.04; $M_{\theta\phi}$0.40±.04; $M_{\phi r}$-0.31±.03; Best double couple: NP1:ϕ_s99.00000°,δ55.00000°,λ94.00000°. NP2:ϕ_s273.00000°,δ36.00000°,λ85.00000°. Principal axes: T 3.6420,Plg80.0000°,Azm24.0000°; N 0.2400,Plg3.0000°,Azm277.0000°; P -3.8730,Plg9.0000°,Azm186.0000° $M_0$3.75800×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}2.83 $M_{\theta\theta}$-2.48 $M_{\phi\phi}$-0.36 $M_{r\theta}$1.35 $M_{\theta\phi}$0.23 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s88.00000°,δ58.00000°,λ83.00000°. NP2:ϕ_s282.00000°,δ32.00000°,λ102.00000°. Principal axes: T 3.1900,Plg75.0000°,Azm337.0000°; N -0.3800,Plg6.0000°,Azm92.0000°; P -2.8100,Plg13.0000°,Azm183.0000° $M_0$3.00000×10^{17}

(224) Hokkaido region

ISC	VII	22 04 41 57.7–.28	42.47N–.03	143.02E–.02	65–2	5.1b	1575 0-157
NIED	VII	22 04 41 00	42.50N	143.00E	62	5.1W	¶601459488
BJI	VII	22 04 41 53.8	42.39N	143.26E	57	5.3b,5.2b	
SKHL	VII	22 04 41 57.8–.90	42.39N	142.98E	81–3	5.7,5.4b	
GCMT	VII	22 04 41 57.3–.20	42.43N	142.91E	62–1	5.1W,5.4b	
ISCJB	VII	22 04 41 57.1–.15	42.45N–.02	142.94E–.02	73–1	5.0b,5.4b	
MOS	VII	22 04 41 57.6–.87	42.50N	142.88E	75	5.5b,4.3s	
NEIC	VII	22 04 41 57.3–.08	42.55N	142.85E	57	5.1b,4.3s	
JMA	VII	22 04 41 58.3–.10	42.49N	143.03E	61–1	5.1,4.3s	
IDC	VII	22 04 41 59.1–1.2	42.50N	142.94E	75–9	5.1,4.9	

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s31.00000°,δ67.00000°,λ84.00000°. $M_0$4.76000×10^{16}
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s70,c103; s102,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.02±.14 $M_{\theta\theta}$-1.94±.12; $M_{\phi\phi}$-2.07±.12; $M_{r\theta}$0.78±.09; $M_{\theta\phi}$-2.35±.09; $M_{\phi r}$2.99±.08; Best double couple: NP1:ϕ_s27.00000°,δ64.00000°,λ74.00000°. NP2:ϕ_s241.00000°,δ31.00000°,λ120.00000°. Principal axes: T 5.2470,Plg67.0000°,Azm266.0000°; N -0.0600,Plg15.0000°,Azm35.0000°; P -5.1780,Plg17.0000°,Azm129.0000° $M_0$5.21200×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=154.7.
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=102.3. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=151.0. Felt [IV] at Obihiro and [III] at Sapporo. Also felt at Tomakomai. Felt at Hachinohe, Honshu. Recorded [4 JMA] in south-central Hokkaido and [2 JMA] in Aomori, Honshu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ62.00000°,λ69.00000°. NP2: ϕ_s250.00000°,δ34.00000°,λ124.00000°. Principal axes: T Plg66.0000°,Azm263.0000°; N Plg18.0000°,Azm41.0000°; P Plg15.0000°,Azm136.0000°
IDC Error ellipse: s-maj=11.2km s-min=8.8km az=106.0.

(224) Hokkaido region

ISC	VII	22 07 00 05.0–.53	42.32N–.04	141.86E–.03	95–4	4.4b	221 0-147
NIED	VII	22 07 00 00	42.30N	141.80E	83	4.1W	¶601456924
ISCJB	VII	22 07 00 03.5–.20	42.33N–.02	141.84E–.03	96–1	4.3b	
JMA	VII	22 07 00 03.5–.10	42.30N	141.78E	94–2	4.0	
BJI	VII	22 07 00 03.3	42.34N	141.99E	102	4.9b,4.7b	
NEIC	VII	22 07 00 04.8–.36	42.36N	141.87E	96–3	4.6b,4.7b	
SKHL	VII	22 07 00 04.3–1.2	42.38N	141.86E	103–3	5.7s,5.0b	
MOS	VII	22 07 00 04.2–.84	42.34N	141.91E	107	4.5b,5.0b	
IDC	VII	22 07 00 08.0–1.6	42.62N	141.79E	111–10	4.8s,4.8	

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s129.00000°,δ32.00000°,λ-99.00000°. NP2:ϕ_s320.00000°,δ59.00000°,λ-85.00000°. $M_0$1.63000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=146.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s84.00000°,δ79.00000°,λ161.00000°. NP2: ϕ_s178.00000°,δ72.00000°,λ12.00000°. Principal axes: T Plg21.0000°,Azm40.0000°; N Plg68.0000°,Azm235.0000°; P Plg5.0000°,Azm132.0000°
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=142.0. Felt at Tomakomai.
MOS Error ellipse: s-maj=8.2km s-min=5.9km az=82.3.
IDC Error ellipse: s-maj=20.2km s-min=10.6km az=156.0.

(259) Mindanao

ISC	VII	24 03 02 58.6–.58	7.57N–.03	126.74E–.05	70–5	4.6b	214 1-163
MAN	VII	24 03 02 57.1	7.58N	126.58E	14	5.5b,4.7s	¶601462448
ISCJB	VII	24 03 02 57.5–.46	7.60N–.02	126.68E–.04	75–4	4.5b,4.7s	
BJI	VII	24 03 02 58.7	7.70N	126.70E	69	5.0b,4.7b	
NEIC	VII	24 03 02 59.9–.89	7.59N	126.57E	84–8	4.7b,4.7b	
DJA	VII	24 03 03 00.6–.50	8N–4.0	127E–5.0	10	5.3,5.3b	
IDC	VII	24 03 03 00.4–1.0	7.63N	126.61E	89–9	4.6,4.3	

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=172.5.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.2km az=86.0. Felt [III PIVS] at Compostela and Mati.
IDC Error ellipse: s-maj=14.8km s-min=10.7km az=89.0.

(719) Tajikistan-Xinjiang border region

ISC	VII	26 01 06 31.9–.24	38.31N–.03	73.96E–.02	137–1	5.3b	1434 2-153
ISCJB	VII	26 01 06 30.2–.22	38.26N–.01	74.00E–.01	131–2	5.2b	¶601479294
NEIC	VII	26 01 06 31.8–.36	38.31N	74.01E	131–3	5.4b,5.2W	
MOS	VII	26 01 06 31.3–1.0	38.34N	74.04E	142	5.4b,5.2W	
BJI	VII	26 01 06 31.5	38.50N	74.25E	120	5.5b,5.1b	
GCMT	VII	26 01 06 31.8–.10	38.27N	73.93E	158–1	5.3W,5.1b	
IDC	VII	26 01 06 32.8–.58	38.24N	74.04E	144–4	5.4,5.0	
NNC	VII	26 01 06 34.0–2.0	38.46N	73.63E	145–13	5.3,4.5b	

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.8km az=32.1.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=187.0. Moment Tensor Solution. s31 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.26 $M_{\theta\theta}$1.12 $M_{\phi\phi}$1.13 $M_{r\theta}$-7.75 $M_{\theta\phi}$-0.81 $M_{\phi r}$2.10 Best double couple: NP1:ϕ_s322.00000°,δ8.00000°,λ-54.00000°. NP2:ϕ_s106.00000°,δ83.00000°,λ-95.00000°. Principal axes: T 7.9300,Plg38.0000°,Azm201.0000°; N 0.7000,Plg5.0000°,Azm107.0000°; P -8.6300,Plg51.0000°,Azm11.0000° $M_0$8.30000×10^{16}
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=127.4.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s83,c124; s126,c243; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$0.31±.02; $M_{r\theta}$-0.92±.01; $M_{\theta\phi}$-0.34±.02; $M_{\phi r}$0.32±.01; Best double couple: NP1:ϕ_s114.00000°,δ76.00000°,λ-104.00000°. NP2:ϕ_s341.00000°,δ20.00000°,λ-44.00000°. Principal axes: T 1.0950,Plg30.0000°,Azm215.0000°; N 0.0500,Plg14.0000°,Azm117.0000°; P -1.1450,Plg56.0000°,Azm5.0000° $M_0$1.12000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=6.5km az=7.0.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=11.5km az=170.0.

(190) New Ireland region

ISC	VII	26 23 58 37.7–.45	4.28S–.04	152.31E–.05	179–3	4.8b	516 0-157
DJA	VII	26 23 58 21.3–1.1	4S–6.0	153E–5.0	79–12	5.6b,5.2b	¶601506063
MOS	VII	26 23 58 36.3–.91	4.16S	152.22E	174	4.9b,5.2b	
ISCJB	VII	26 23 58 36.7–.60	4.26S–.03	152.23E–.03	179–5	4.8b,5.2b	
NEIC	VII	26 23 58 37.8–.48	4.23S	152.23E	178–4	4.9b,5.2b	
IDC	VII	26 23 58 37.8–.56	4.26S	152.23E	180–4	4.8,4.5	
BJI	VII	26 23 58 38.7	3.62S	152.34E	174	4.9b,4.7b	

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=7.0km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=17.3.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=92.0.
IDC Error ellipse: s-maj=11.2km s-min=6.9km az=97.0.

(215) Mariana Islands region

ISC	VII	27 03 37 56.1–.33	21.70N–.03	143.02E–.03	298–2	5.4b	1590 5-168
MOS	VII	27 03 37 54.0–.83	21.66N	143.00E	288	5.5b	¶601475834
ISCJB	VII	27 03 37 55.3–.29	21.68N–.01	143.01E–.02	300–2	5.3b	
NEIC	VII	27 03 37 56.7–.47	21.67N	142.99E	303–4	5.4b	
IDC	VII	27 03 37 56.8–.76	21.67N	143.06E	303–6	5.7,5.1	
GCMT	VII	27 03 37 56.7–.20	21.68N	142.82E	290–1	5.3W,5.1	
BJI	VII	27 03 37 58.2	22.01N	142.72E	300	5.3b,5.0b	

ISC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=105.5.
ISCJB Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=43.7.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=2.2km az=125.0.
IDC Error ellipse: s-maj=8.1km s-min=5.4km az=86.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s103,c169;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.02 $M_{\theta\theta}$-0.97±.03; $M_{\phi\phi}$0.01±.04; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$0.25±.03; $M_{\phi r}$0.23±.03; Best double couple: NP1:ϕ_s86.00000°,δ63.00000°,λ72.00000°. NP2:ϕ_s301.00000°,δ31.00000°,λ121.00000°. Principal axes: T 1.2480,Plg67.0000°,Azm323.0000°; N -0.0340,Plg16.0000°,Azm94.0000°; P -1.2140,Plg17.0000°,Azm188.0000° $M_0$1.23100×10^{17}

(267) Halmahera

ISC	VII	29 01 30 07.2–.71	1.70N–.07	127.85E–.08	100	4.1b	25 1-86
IDC	VII	29 01 29 59.4–.66	2.71N	128.86E	0	4.1,4.0b	¶601488082
NEIC	VII	29 01 30 04.4–.38	2.72N	128.88E	35	4.3b,4.0b	
DJA	VII	29 01 30 05.9–.40	2N–3.0	128E–4.0	133–4	5.9b,5.5	

ISC Event type se.
NEIC Event type se.

(296) Myanmar

ISC	VII	29 02 21 12.9–.26	22.93N–.02	94.28E–.02	81–1	5.7b	2143 2-166
BJI	VII	29 02 21 09.6	22.96N	94.24E	60	5.7b,5.7b	¶601484809
ISCJB	VII	29 02 21 10.0–.25	22.91N–.01	94.23E–.01	67–2	5.6b,5.7b	
MOS	VII	29 02 21 11.4–1.0	22.91N	94.36E	83	5.8b,5.0s	
NEIC	VII	29 02 21 12.6–.39	22.94N	94.30E	75–3	5.8b,5.7W	
GCMT	VII	29 02 21 12.6–.10	22.83N	94.32E	72–0	5.8W,5.7W	
IDC	VII	29 02 21 13.9–.66	22.95N	94.42E	85–4	5.5,5.2	

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=39.2.
MOS Error ellipse: s-maj=6.0km s-min=3.2km az=123.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=215.0. Felt [III] at Mandalay. Also felt at Falam, Pakokku and Shwebo. Felt [III] at Manipur, India. Also felt at Guwahati, Kolkata and Shillong. Felt at Chittagong and Dhaka, Bangladesh. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-2.16 $M_{\phi\phi}$2.82 $M_{r\theta}$-2.22 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s71.00000°,δ83.00000°,λ-27.00000°. NP2:ϕ_s165.00000°,δ63.00000°,λ-173.00000°. Principal axes: T 5.1300,Plg14.0000°,Azm121.0000°; N -0.1900,Plg62.0000°,Azm238.0000°; P -4.9400,Plg24.0000°,Azm25.0000° $M_0$5.00000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s122,c214; s136,c353;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.38±.05 $M_{\theta\theta}$-0.97±.05; $M_{\phi\phi}$1.35±.05; $M_{r\theta}$-2.33±.04; $M_{\theta\phi}$4.79±.05; $M_{\phi r}$0.08±.04; Best double couple: NP1:ϕ_s82.00000°,δ85.00000°,λ-25.00000°. NP2:ϕ_s174.00000°,δ65.00000°,λ-175.00000°. Principal axes: T 5.4640,Plg14.0000°,Azm131.0000°; N -0.0010,Plg64.0000°,Azm252.0000°; P -5.4590,Plg21.0000°,Azm35.0000° $M_0$5.46200×10^{17}
IDC Error ellipse: s-maj=7.9km s-min=5.4km az=45.0.

(259) Mindanao

ISC	VII	29 03 04 40.1–.55	7.93N–.03	126.71E–.04	67–4	4.9b	560 0-171
BJI	VII	29 03 04 34.0	7.32N	127.04E	83	5.0b,4.9b	¶601484812
MAN	VII	29 03 04 38.7	7.86N	126.47E	8	5.6b,5.0s	
DJA	VII	29 03 04 39.9–1.6	8N–4.0	127E–3.0	30–13	5.5,5.4b	
ISCJB	VII	29 03 04 40.1–.39	7.95N–.02	126.67E–.03	82–3	4.8b,5.4b	
IDC	VII	29 03 04 40.9–.88	7.94N	126.47E	73–7	5.0,4.7	
NEIC	VII	29 03 04 42.9–.66	7.94N	126.57E	91–6	4.8b,4.7	
MOS	VII	29 03 04 43.3–.99	8.28N	126.34E	93	5.0b,4.7	
KLM	VII	29 03 04 45.0	7.97N	126.69E	94	4.9b,4.7	

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=166.0.
IDC Error ellipse: s-maj=10.8km s-min=7.0km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=84.0. Felt [IV PIVS] at Hinatuan and [III PIVS] at Bislig. Also felt at Manat.
MOS Error ellipse: s-maj=9.1km s-min=5.1km az=111.1.

(280) Banda Sea

ISC	VIII	01 09 31 50.7–.68	6.67S–.06	130.52E–.07	90	3.9b	25 2-75
ISCJB	VIII	01 09 31 50.7–.47	6.73S–.04	130.48E–.06	90	3.8b	¶601765308
IDC	VIII	01 09 31 52.4–2.2	6.50S	130.35E	107–23	4.2,3.8	
DJA	VIII	01 09 31 53.6–.40	7S–4.0	131E–5.0	122–23	5.5b,5.0	

ISC Event type ke.
ISCJB Event type ke.

(112) Peru-Brazil border region

ISC	VIII	02 09 38 31.3–.20	8.45S–.03	74.27W–.04	149–1	5.8b	2111 4-173
MOS	VIII	02 09 38 29.9–1.1	8.35S	74.37W	143	5.7b	¶601506103
ISCJB	VIII	02 09 38 30.3–.37	8.37S–.01	74.35W–.02	154–3	5.8b	
BJI	VIII	02 09 38 30.5	8.40S	74.20W	143	5.8b	
NEIC	VIII	02 09 38 30.9–.32	8.41S	74.26W	145–3	6.4L,6.1W	
NEIC	VIII	02 09 38 31.0–.00	8.38S	74.14W	150	6.4L,6.1W	
GCMT	VIII	02 09 38 31.9–.10	8.58S–.01	74.36W–.01	150–0	6.0W,6.1W	

IDC VIII 02 09 38 31.4–.24 8.41S 74.29W 148–1 5.7,5.4
ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=153.9.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=65.0. Felt [IV] at Huanuco and Pucallpa, [III] at Trujillo and [II] at Lima. Also felt at Huacho, Laredo, Oxapampa, Quilmana, San Luis and Tingo Maria. Felt at Cruzeiro do Sul, Brazil. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.34 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.28 $M_{\phi r}$-1.10 Best double couple: NP1: ϕ_s13.00000°,δ66.00000°,λ-94.00000°. NP2:ϕ_s204.00000°,δ24.00000°,λ-80.00000°. Principal axes: T 1.5200,Plg21.0000°,Azm107.0000°; N 0.2600,Plg4.0000°,Azm15.0000° ; P -1.7800,Plg68.0000°,Azm275.0000° M_o1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s355.00000°,δ53.00000°,λ-106.00000°. NP2: ϕ_s200.00000°,δ40.00000°,λ-70.00000°. Principal axes: T Plg7.0000°,Azm96.0000° ; N Plg0.0000°,Azm0.0000°; P Plg76.0000°,Azm213.0000°
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.75 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.13 Best double couple: NP1:ϕ_s12.00000° ,δ70.00000°,λ-100.00000°. NP2:ϕ_s221.00000°,δ23.00000°,λ-63.00000°. Principal axes: T 1.4300,Plg24.0000°,Azm110.0000°; N 0.1400,Plg10.0000°,Azm16.0000° ; P -1.5700,Plg63.0000°,Azm264.0000° M_o1.50000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c280; s137,c461; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.03±.01 $M_{\theta\theta}$0.23±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-0.95±.01; Best double couple: NP1:ϕ_s16.00000°,δ67.00000° ,λ-101.00000°. NP2:ϕ_s222.00000°,δ26.00000°,λ-66.00000°. Principal axes: T 1.4110,Plg21.0000°,Azm114.0000°; N 0.0300,Plg10.0000°,Azm20.0000° ; P -1.4360,Plg67.0000°,Azm266.0000° M_o1.42300×10^{18}
IDC Error ellipse: s-maj=8.2km s-min=6.2km az=69.0.

(190) New Ireland region

ISC	**VIII**	**02 09 56 43.2–.28**	**4.66S–.03**	**153.34E–.03**	**61–2**	**5.8b**	**1641**	**1-162**
MOS	VIII	02 09 56 38.7–.89	4.65S	153.32E	33	6.1b,5.6s		**¶604029635**
ISCJB	VIII	02 09 56 41.4–.54	4.66S–.02	153.29E–.02	55–4	5.8b,5.6s		
NEIC	VIII	02 09 56 41.7–.07	4.65S	153.28E	46	6.1W,6.1W		
IDC	VIII	02 09 56 41.6–.67	4.69S	153.33E	43–4	5.7,5.5b		
BJI	VIII	02 09 56 42.6	4.37S	153.53E	67	6.1b,6.0b		
GCMT	VIII	02 09 56 44.7–.10	4.93S	153.14E	54–0	6.1W,6.0b		
NEIC	VIII	02 09 56 44.0–.00	4.61S	153.13E	60	6.1W,6.0b		
DJA	VIII	02 09 56 44.1–.50	5S–3.0	153E–4.0	65–5	6.4,6.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{18} Nm; M_{rr}1.82 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.75 $M_{\theta\phi}$0.36 $M_{\phi r}$0.40 Best double couple: NP1: ϕ_s296.00000°,δ36.00000°,λ113.00000°. NP2:ϕ_s89.00000°,δ57.00000°,λ74.00000°. Principal axes: T 2.0800,Plg73.0000°,Azm317.0000°; N -0.2700,Plg13.0000°,Azm98.0000° ; P -1.8000,Plg10.0000°,Azm190.0000° M_o2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s233.00000°,δ51.00000°,λ56.00000°. NP2: ϕ_s100.00000°,δ50.00000°,λ125.00000°. Principal axes: T Plg64.0000°,Azm77.0000° ; N Plg0.0000°,Azm0.0000°; P Plg1.0000°,Azm346.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c319; s146,c487; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-1.54±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$0.71±.01; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s79.00000°,δ60.00000° ,λ71.00000°. NP2:ϕ_s293.00000°,δ35.00000°,λ119.00000°. Principal axes: T 1.6250,Plg69.0000°,Azm309.0000°; N 0.0770,Plg16.0000°,Azm89.0000° ; P -1.7070,Plg13.0000°,Azm183.0000° M_o1.66600×10^{18}
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}1.25 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.04 $M_{r\theta}$1.35 $M_{\theta\phi}$0.21 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s76.00000°,δ70.00000° ,λ74.00000°. NP2:ϕ_s297.00000°,δ25.00000°,λ128.00000°. Principal axes: T 2.0200,Plg61.0000°,Azm321.0000°; N -0.1500,Plg15.0000°,Azm81.0000° ; P -1.8700,Plg23.0000°,Azm178.0000° M_o1.90000×10^{18}

(245) Northeast of Taiwan

ISC	**VIII**	**08 07 11 01.9–.26**	**25.87N–.02**	**125.06E–.02**	**137–2**	**5.4b**	**1638**	**1-178**
BJI	VIII	08 07 10 58.5	25.75N	125.30E	130	5.4b,5.4b		**¶601531861**
ISCJB	VIII	08 07 11 00.5–.17	25.88N–.01	124.96E–.02	130–1	5.3b,5.4b		
MOS	VIII	08 07 11 00.4–1.1	25.98N	124.93E	130	5.5b,4.2s		
NIED	VIII	08 07 11 00	26.00N	124.90E	116	5.4W,4.2s		
IDC	VIII	08 07 11 01.5–.84	25.91N	125.03E	131–7	5.3,5.0		
GCMT	VIII	08 07 11 01.9–.10	25.77N–.01	125.06E–.01	141–0	5.4W,5.0		
JMA	VIII	08 07 11 01.3–.10	25.92N	124.99E	123	5.5,5.0		
NEIC	VIII	08 07 11 01.9–.34	25.87N	124.92E	133–3	5.5b,5.4W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=144.5.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=110.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s124.00000°,δ59.00000°,λ-152.00000°. NP2:ϕ_s19.00000°,δ67.00000°,λ-35.00000°. M_o1.26000×10^{17}
IDC Error ellipse: s-maj=7.4km s-min=6.1km az=83.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c182; s124,c237;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$1.08±.03; $M_{r\theta}$-1.01±.02; $M_{\theta\phi}$-0.67±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s18.00000°,δ67.00000°,λ-38.00000°. NP2:ϕ_s125.00000°,δ55.00000°,λ-151.00000°. Principal axes: T 1.3460,Plg7.0000° ,Azm74.0000°; N 0.4590,Plg46.0000°,Azm171.0000°; P -1.8070,Plg43.0000°,Azm337.0000° M_o1.57600×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=138.0. Felt [II] on Okinawa, Ryukyu Islands. Recorded [2 JMA] on Ishigaki-jima, Miyako-jima and Tarama-shima. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.68 $M_{r\theta}$-1.09 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.70 Best double couple: NP1:ϕ_s25.00000°,δ78.00000°,λ-54.00000°. NP2:ϕ_s131.00000°,δ38.00000°,λ-160.00000°. Principal axes: T 1.0100,Plg24.0000° ,Azm88.0000°; N 0.7400,Plg35.0000°,Azm197.0000°; P -1.7500,Plg45.0000°,Azm331.0000° M_o1.50000×10^{17}

(274) Southern Sumatera

ISC	**VIII**	**09 01 55 12.8–1.0**	**4.93S–.08**	**102.98E–.07**	**66–7**	**4.4b**	**105**	**1-147**
IDC	VIII	09 01 55 04.9–.72	4.78S	102.99E	0	4.3,4.2		**¶601532921**
ISCJB	VIII	09 01 55 11.8–.72	4.93S–.06	102.97E–.06	73–5	4.3b,4.2		
NEIC	VIII	09 01 55 12.5–.78	4.81S	103.08E	58–6	4.5b,4.2		
DJA	VIII	09 01 55 13.5–.30	5S–2.0	103E–2.0	26–5	5.6b,5.1		
BJI	VIII	09 01 55 13.4	4.65S	102.95E	56	4.9b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=12.6km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.0km az=44.6.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.7km az=225.0.

(285) Sumbawa region

ISC	**VIII**	**09 11 04 25.8–.39**	**8.87S–.03**	**116.36E–.03**	**119–3**	**5.1b**	**1226**	**1-163**
KLM	VIII	09 11 04 23.0	9.03S	116.39E	118	5.4b		**¶601533195**
BJI	VIII	09 11 04 24.7	8.80S	116.30E	117	5.0b,5.0b		
ISCJB	VIII	09 11 04 24.9–.23	8.77S–.02	116.38E–.02	124–2	5.1b,5.0b		
GCMT	VIII	09 11 04 24.9–.20	8.98S–.01	116.34E–.02	118–2	5.0W,5.0b		
NEIC	VIII	09 11 04 24.9–.39	8.72S	116.36E	107–3	5.3b,5.0b		
IDC	VIII	09 11 04 26.2–.82	8.69S	116.35E	118–6	5.1,4.8		
MOS	VIII	09 11 04 26.5–1.3	8.46S	116.34E	127	4.9b,4.8		
DJA	VIII	09 11 04 26.0–.20	9S–2.0	116E–1.0	93–2	5.8,5.7b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c64; s99,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.11 $M_{\theta\theta}$-2.28±.14; $M_{\phi\phi}$-1.14±.16; $M_{r\theta}$-1.66±.09; $M_{\theta\phi}$-3.07±.12; $M_{\phi r}$1.17±.12; Best double couple: NP1:ϕ_s258.00000°,δ56.00000°,λ128.00000°. NP2:ϕ_s23.00000°,δ49.00000°,λ47.00000°. Principal axes: T 4.6410,Plg59.0000° ,Azm225.0000°; N 0.2280,Plg31.0000°,Azm54.0000°; P -4.8690,Plg4.0000°,Azm321.0000° M_o4.75500×10^{16}
NEIC Event type fe. Felt [III] at Lombok and Mataram and [II] at Praya. Felt [IV] at Karangasem; [III] at Denpasar, Kuta and Ubud; [II] at Jimbarancarik, Bali. Also felt at Klungkung and Tabanan. Felt on Sumbawa.

(111) Northern Peru

ISC	**VIII**	**13 05 32 48.0–.47**	**5.70S–.04**	**76.83W–.05**	**121–4**	**4.9b**	**1237**	**4-167**
MOS	VIII	13 05 32 44.8–.93	5.57S	76.94W	101	4.9b		**¶601554162**
IGQ	VIII	13 05 32 45.9–.40	6S–4.0	77W–7.0	86–6	5.5b,5.5		
ISCJB	VIII	13 05 32 46.6–.16	5.63S–.02	76.94W–.03	124	4.9b,5.5		
NEIC	VIII	13 05 32 47.7–.54	5.70S	76.90W	120–4	4.9L,4.9b		
IDC	VIII	13 05 32 48.2–.65	5.69S	76.96W	126–5	4.7,4.4		
BJI	VIII	13 05 32 49.7	5.70S	76.90W	120	5.2b,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=4.8km az=111.5.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=59.0. Felt [II] at Moyobamba.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=67.0.

(207) Eastern New Guinea region

ISC	**VIII**	**19 22 41 50.2–.26**	**4.85S–.03**	**144.65E–.03**	**80–2**	**5.9b**	**1829**	**4-169**
BJI	VIII	19 22 41 43.1	5.12S	145.35E	77	6.0b,5.8		**¶604029703**
MOS	VIII	19 22 41 48.4–1.1	4.69S	144.62E	70	6.1b,5.6s		
ISCJB	VIII	19 22 41 48.9–.48	4.78S–.02	144.62E–.02	77–4	5.8b,5.6s		
NEIC	VIII	19 22 41 49.8–.08	4.77S	144.57E	73	6.3W,6.2		
IDC	VIII	19 22 41 49.1–1.3	4.79S	144.60E	68–11	5.9,5.6		
NEIC	VIII	19 22 41 50.0–.00	4.85S	144.58E	80	5.9,5.6		
DJA	VIII	19 22 41 52.3–.40	5S–3.0	145E–3.0	87–3	6.9,6.3b		
GCMT	VIII	19 22 41 54.8–.10	4.92S	144.60E	80–0	6.2W,6.3b		
CNRM	VIII	19 22 42 05.6	4.28S	146.99E	200	6.2W,6.3b		
NEIC	VIII	19 22 42 07.5–.00	5.02S	144.44E	68	6.2W,6.3b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=111.1.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=24.8.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.7km az=99.0. Felt at Goroka, Lae, Madang, Mendi, Mount Hagen, Tari and Wewak. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}1.95 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.67 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.35 Best double couple: NP1:ϕ_s106.00000°,δ66.00000°,λ84.00000°. NP2:ϕ_s299.00000° ,δ25.00000°,λ102.00000°. Principal axes: T 2.6100,Plg69.0000°,Azm5.0000° ; N -0.0900,Plg5.0000°,Azm108.0000°; P -2.5300,Plg21.0000°,Azm200.0000° M_o2.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s295.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s115.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm25.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm205.0000°
IDC Error ellipse: s-maj=8.5km s-min=6.4km az=85.0.
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{18}Nm; M_{rr}1.91 $M_{\theta\theta}$-1.78 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.99 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s101.00000° ,δ68.00000°,λ87.00000°. NP2:ϕ_s288.00000°,δ22.00000°,λ97.00000°. Principal axes: T 2.7900,Plg66.0000°,Azm5.0000°; N -0.0200,Plg2.0000°,Azm101.0000° ; P -2.7700,Plg23.0000°,Azm192.0000° M_o2.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c377; s144,c528; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; M_{rr}2.09±.02 $M_{\theta\theta}$-2.10±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$2.00±.01; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$-0.44±.01; Best double couple: NP1:ϕ_s103.00000°,δ67.00000° ,λ89.00000°. NP2:ϕ_s285.00000°,δ23.00000°,λ92.00000°. Principal axes: T 2.9050,Plg68.0000°,Azm11.0000°; N 0.1520,Plg1.0000°,Azm103.0000° ; P -3.0560,Plg22.0000°,Azm194.0000° M_o2.98100×10^{18}
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}2.30 $M_{\theta\theta}$-2.26 $M_{\phi\phi}$-0.03 $M_{r\theta}$1.80 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.56 Best double couple: NP1:ϕ_s272.00000° ,δ26.00000°,λ80.00000°. NP2:ϕ_s104.00000°,δ65.00000°,λ95.00000°. Principal axes: T 2.9800,Plg70.0000°,Azm24.0000°; N -0.0100,Plg4.0000°,Azm282.0000° ; P -2.9700,Plg20.0000°,Azm190.0000° M_o3.00000×10^{18}

(274) Southern Sumatera

ISC	**VIII**	**21 03 09 39.2–.31**	**4.80S–.03**	**102.97E–.03**	**69–2**	**5.5b**	**1751**	**0-177**
MOS	VIII	21 03 09 36.0–.99	4.63S	103.04E	47	5.8b		**¶601589478**
DJA	VIII	21 03 09 37.7–.20	5S–2.0	103E–1.0	58–2	5.7,5.6		
IDC	VIII	21 03 09 38.5–.51	4.75S	103.05E	59–4	5.4,5.1		
BJI	VIII	21 03 09 38.3	4.80S	103.00E	77	5.7b,5.1b		
ISCJB	VIII	21 03 09 38.4–.28	4.76S–.02	103.01E–.02	71–2	5.4b,5.1b		
NEIC	VIII	21 03 09 39.4–.39	4.75S	103.00E	66–3	5.5b,5.1b		
GCMT	VIII	21 03 09 39.4–.20	5.08S–.01	102.72E–.01	52–1	5.2W,5.1b		
KLM	VIII	21 03 09 39.0	5.05S	102.86E	77	5.5b,5.1b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=114.2.
IDC Error ellipse: s-maj=8.6km s-min=6.6km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=42.6.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=221.0. Felt [III] at Bengkulu and Lubuklinggau.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c126; s88,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.28±.16 $M_{\theta\theta}$-3.31±.12; $M_{\phi\phi}$-1.97±.15; $M_{r\theta}$3.50±.12; $M_{\theta\phi}$3.54±.10; $M_{\phi r}$-1.37±.13; Best double couple: NP1:ϕ_s119.00000°,δ62.00000°,λ78.00000°. NP2:ϕ_s323.00000°,δ30.00000°,λ111.00000°. Principal axes: T 6.5270,Plg71.0000° ,Azm2.0000°; N 0.7450,Plg10.0000°,Azm124.0000°; P -7.2720,Plg16.0000°,Azm217.0000° M_o6.89900×10^{16}

(207) Eastern New Guinea region

ISC	**VIII**	**22 11 38 18.0–.21**	**6.06S–.03**	**147.31E–.04**	**77**	**5.3b**	**550**	**3-154**
MOS	VIII	22 11 38 11.9–.91	5.87S	147.19E	33	5.2b		**¶601610563**
BJI	VIII	22 11 38 14.5	6.11S	147.95E	86	5.0b,5.0b		
ISCJB	VIII	22 11 38 16.7–.12	6.03S–.02	147.28E–.02	77	5.2b,5.0b		
IDC	VIII	22 11 38 18.1–.90	5.97S	147.27E	77–7	5.1,4.8		
NEIC	VIII	22 11 38 19.6–.45	6.05S	147.25E	91–4	5.3b,4.8		
DJA	VIII	22 11 38 20.1–.50	6S–3.0	147E–4.0	87–4	6.3,5.8b		
GCMT	VIII	22 11 38 21.6–.10	6.17S–.01	147.28E–.01	93–1	5.3W,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Goroka, Kainantu and Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c142; s105,c193;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$0.41±.02; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$-0.87±.01; $M_{\theta\phi}$0.10±.02; $M_{\phi r}$0.56±.02; Best double couple: NP1:ϕ_s122.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s220.00000°,δ20.00000°,λ-171.00000°. Principal axes: T 1.1110,Plg39.0000° ,Azm194.0000°; N -0.0130,Plg19.0000°,Azm301.0000°; P -1.0980,Plg45.0000° ,Azm52.0000° M_o1.10500×10^{17}

(266) Northern Molucca Sea

ISC	**VIII**	**26 15 05 37.2–.24**	**2.20N–.02**	**126.87E–.02**	**91–1**	**6.2b**	**2609**	**2-173**
MOS	VIII	26 15 05 33.2–1.0	2.20N	126.85E	66	6.5b,5.9s		**¶601626654**
IDC	VIII	26 15 05 35.1–.74	2.19N	126.83E	70–6	6.0,5.7		
NEIC	VIII	26 15 05 35.0–.00	2.13N	126.87E	100	6.0,5.7		
ISCJB	VIII	26 15 05 35.9–.21	2.21N–.01	126.86E–.01	90–1	6.0b,5.7		
BJI	VIII	26 15 05 36.4	2.24N	126.83E	94	6.4b,6.0b		
NEIC	VIII	26 15 05 37.1–.39	2.19N	126.84E	91–3	6.8,6.6W		
DJA	VIII	26 15 05 38.1–.20	2N–1.0	127E–1.0	94–2	6.8,6.8b		
GCMT	VIII	26 15 05 40.1–.10	2.16N	126.81E	91–0	6.6W,6.8b		
NEIC	VIII	26 15 05 54.4–.00	2.29N	126.98E	74	6.6W,6.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=115.1.
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=62.0.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}4.20 $M_{\theta\theta}$3.88 $M_{\phi\phi}$-8.08 $M_{r\theta}$-4.97 $M_{\theta\phi}$2.83 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s312.00000° ,δ62.00000°,λ36.00000°. NP2:ϕ_s203.00000°,δ59.00000°,λ147.00000°. Principal axes: T 9.3700,Plg44.0000°,Azm168.0000°; N -0.6400,Plg45.0000°,Azm344.0000° ; P -8.7300,Plg2.0000°,Azm76.0000° M_o9.10000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=161.4.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=56.0. Felt [V] in parts of northern Halmahera; [IV] in the Kepulauan Talaud, on Pulau Ternate and at Galela, Jailolo, Morotai and Tobelo; [III] at Manado, Indonesia. Also felt at Bitung. Felt [IV PIVS] at Davao, [III PIVS] at General Santos and [II PIVS] at Koronadal, Polomolok and Tupi, Mindanao, Philippines. Also felt at Magugpo, Maitum, Paraiso and Zamboanga City. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. M_o6.20000×10^{18} Moment Tensor Solution. s32 Moment tensor: Scale 10^{18} Nm; M_{rr}4.47 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-5.82 $M_{r\theta}$-2.68 $M_{\theta\phi}$2.12 $M_{\phi r}$-0.23 Best double couple: NP1: ϕ_s193.00000°,δ51.00000°,λ133.00000°. NP2:ϕ_s317.00000°,δ56.00000°,λ50.00000°. Principal axes: T 6.1400,Plg58.0000°,Azm168.0000°; N 0.2800,Plg32.0000°,Azm342.0000° ; P -6.4300,Plg3.0000°,Azm74.0000° M_o6.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s314.00000°,δ63.00000°,λ28.00000°. NP2: ϕ_s210.00000°,δ65.00000°,λ150.00000°. Principal axes: T Plg38.0000°,Azm171.0000° ; N Plg0.0000°,Azm0.0000°; P Plg1.0000°,Azm262.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c383; s147,c656; Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}0.33±.00 $M_{\theta\theta}$0.49±.00; $M_{\phi\phi}$-0.82±.00; $M_{r\theta}$-0.51±.00; $M_{\theta\phi}$0.19±.00; $M_{\phi r}$-0.07±.00; Best double couple: NP1:ϕ_s315.00000°,δ63.00000° ,λ31.00000°. NP2:ϕ_s210.00000°,δ63.00000°,λ150.00000°. Principal axes:

T 0.9530,Plg40.0000°,Azm172.0000°; N -0.1000,Plg50.0000°,Azm352.0000°
; P -0.8530,Plg0.0000°,Azm82.0000° $M_0$0.90300×10^{19}

NEIC Event type se. Moment Tensor Solution. s110 Moment tensor: Scale 10^{18}Nm; M_{rr}4.54 $M_{\theta\theta}$4.27 $M_{\phi\phi}$-8.81 $M_{r\theta}$-4.91 $M_{\theta\phi}$1.93 $M_{\phi r}$-1.23 Best double couple: NP1:ϕ_s207.00000° ,δ62.00000°,λ143.00000°. NP2:ϕ_s317.00000°,δ58.00000°,λ34.00000°. Principal axes: T 9.5900,Plg45.0000°,Azm170.0000°; N -0.4700,Plg45.0000°,Azm355.0000° ; P -9.1100,Plg2.0000°,Azm263.0000° $M_0$9.30000×10^{18}

(266) Northern Molucca Sea

ISC	**VIII**	**27 03 47 16.5–.53**	**2.22N–.03**	**126.87E–.05**	**69–5**	**4.8b**	**282**	**2-166**
IDC	VIII	27 03 47 12.3–.69	2.15N	126.83E	30–5	4.6,4.5		**¶601626907**
MOS	VIII	27 03 47 15.3–.91	2.18N	126.77E	73	5.1b,4.5		
ISCJB	VIII	27 03 47 17.7–.28	2.22N–.02	126.88E–.03	97–2	4.7b,4.5		
NEIC	VIII	27 03 47 19.0–.42	2.15N	126.84E	94–4	5.0b,4.5		
DJA	VIII	27 03 47 19.4–1.4	2N–2.0	127E–2.0	26–14	5.5b,5.5b		
BJI	VIII	27 03 47 21.0	2.65N	126.56E	85	5.3b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=9.2km az=82.0.
MOS Error ellipse: s-maj=11.5km s-min=6.1km az=115.6.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=162.8.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=66.0.

(706) Northern Sumatera

ISC	**VIII**	**27 09 01 22.7–.27**	**2.38N–.03**	**99.01E–.03**	**151–2**	**5.0b**	**948**	**0-161**
BJI	VIII	27 09 01 18.6	2.03N	99.07E	151	5.1b,4.9b		**¶601627743**
MOS	VIII	27 09 01 22.1–.97	2.46N	99.09E	156	5.2b,4.9b		
ISCJB	VIII	27 09 01 22.1–.21	2.37N–.02	98.98E–.02	156–1	5.0b,4.9b		
IDC	VIII	27 09 01 22.9–.28	2.42N	99.08E	147–2	5.0,4.7		
DJA	VIII	27 09 01 23.8–.10	2N–2.0	99E–2.0	136–2	5.5b,5.1b		
NEIC	VIII	27 09 01 23.1–.32	2.38N	99.03E	150–3	5.2b,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=115.9.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=140.4.
IDC Error ellipse: s-maj=7.8km s-min=6.3km az=45.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=224.0.

(111) Northern Peru

ISC	**VIII**	**31 00 38 26.0–.62**	**7.11S–.06**	**76.15W–.08**	**100**	**3.8b**	**29**	**2-136**
ISCJB	VIII	31 00 38 25.3–.49	7.18S–.04	76.06W–.06	100	4.0b		**¶601755645**
IDC	VIII	31 00 38 27.3–1.9	7.22S	76.26W	124–22	4.1,3.8		
IGQ	VIII	31 00 38 35.8–1.1	7S–9.0	76W–12	20	5.6b,5.5b		

ISC Event type ke.
ISCJB Event type ke.

(192) New Britain region

ISC	**VIII**	**31 18 21 34.8–.26**	**4.98S–.04**	**151.94E–.04**	**85–2**	**5.0b**	**520**	**1-152**
BJI	VIII	31 18 21 32.1	4.87S	152.22E	78	5.2s,5.1		**¶601667576**
MOS	VIII	31 18 21 34.2–.87	4.94S	151.88E	92	4.8b,5.1		
NEIC	VIII	31 18 21 34.5–.12	4.95S	151.89E	82	5.2b,5.1		
IDC	VIII	31 18 21 34.9–.34	5.02S	151.86E	86–2	4.6,4.4		
ISCJB	VIII	31 18 21 35.1–.64	4.97S–.02	151.81E–.03	99–5	4.9b,4.4		
DJA	VIII	31 18 21 36.9–.80	5S–4.0	152E–6.0	98–11	5.8,5.7b		

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

(267) Halmahera

ISC	**IX**	**07 12 30 31.9–.33**	**2.44N–.03**	**128.20E–.03**	**167–2**	**5.1b**	**620**	**2-167**
BJI	IX	07 12 30 26.4	2.11N	128.60E	164	5.0b,4.9b		**¶601692022**
ISCJB	IX	07 12 30 30.4–.30	2.48N–.02	128.27E–.02	166–2	5.0b,4.9b		
KLM	IX	07 12 30 30.0	2.55N	128.59E	147	5.3b,4.9b		
IDC	IX	07 12 30 31.3–.49	2.47N	128.22E	161–4	5.0,4.6		
GCMT	IX	07 12 30 31.7–.20	2.59N–.01	128.23E–.01	157–1	5.1W,4.6		
NEIC	IX	07 12 30 31.7–.52	2.46N	128.24E	165–5	5.3b,4.6		
MOS	IX	07 12 30 32.1–.95	2.49N	128.18E	182	5.1b,4.6		
DJA	IX	07 12 30 33.7–.20	2N–2.0	128E–1.0	146–2	5.8b,5.6		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c102; s118,c183;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.47±.12 $M_{\theta\theta}$-4.08±.14; $M_{\phi\phi}$-0.38±.15; $M_{r\theta}$3.09±.10; $M_{\theta\phi}$0.79±.14; $M_{\phi r}$-3.63±.11; Best double couple: NP1:ϕ_s127.00000°,δ69.00000°,λ107.00000°. NP2:ϕ_s267.00000°,δ26.00000°,λ53.00000°. Principal axes: T 6.9370,Plg62.0000° ,Azm62.0000°; N -1.0870,Plg15.0000°,Azm301.0000°; P -5.8450,Plg23.0000° ,Azm204.0000° $M_0$6.39100×10^{16}
NEIC Event type fe. Felt at Manado.

(704) Nicobar Islands region

ISC	**IX**	**08 07 18 17.4–.38**	**6.55N–.04**	**95.56E–.04**	**246–3**	**4.5b**	**290**	**1-161**
ISCJB	IX	08 07 18 15.6–.23	6.49N–.02	95.45E–.03	242–2	4.5b		**¶601695810**
IDC	IX	08 07 18 17.4–.55	6.65N	95.68E	248–5	4.7,4.2		
NEIC	IX	08 07 18 17.6–.43	6.57N	95.58E	249–4	4.6b,4.2		
DJA	IX	08 07 18 17.2–.20	6N–2.0	96E–2.0	228–2	6.8,5.6b		

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

(181) Fiji Islands region

ISC	**IX**	**13 01 55 01.7–.44**	**18.83S–.04**	**175.83E–.04**	**84–3**	**5.2b**	**885**	**9-172**
NEIC	IX	13 01 54 52.6–.10	18.63S	175.85E	10	5.4b,5.1s		**¶601712532**
MOS	IX	13 01 54 55.6–1.1	18.72S	175.87E	41	5.5b,5.0s		
GCMT	IX	13 01 54 56.7–.10	18.62S–.01	176.01E	12	5.5W,5.0s		
ISCJB	IX	13 01 54 59.7–1.3	18.75S–.03	175.80E–.02	77–11	5.2b,5.0s		
IDC	IX	13 01 55 00.6–3.0	18.73S	175.88E	75–26	5.1,4.9		
BJI	IX	13 01 55 01.4	18.80S	175.80E	89	5.5b,5.3s		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=150.0.
MOS Error ellipse: s-maj=7.5km s-min=7.3km az=62.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c243; s138,c289;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.02 $M_{\theta\theta}$0.33±.02; $M_{\phi\phi}$1.75±.02; $M_{r\theta}$-0.45±.05; $M_{\theta\phi}$0.79±.01; $M_{\phi r}$-0.16±.04; Best double couple: NP1:ϕ_s33.00000°,δ50.00000°,λ-78.00000°. NP2:ϕ_s195.00000°,δ41.00000°,λ-104.00000°. Principal axes: T 2.1290,Plg4.0000° ,Azm115.0000°; N 0.0310,Plg9.0000°,Azm205.0000°; P -2.1510,Plg80.0000°,Azm359.0000° $M_0$2.14000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=172.4.
IDC Error ellipse: s-maj=12.4km s-min=10.8km az=60.0.

(221) Kuril Islands

ISC	**IX**	**17 07 55 24.0–.97**	**44.25N–.09**	**147.76E–.08**	**98–7**	**3.6b**	**54**	**1-82**
IDC	IX	17 07 55 19.6–4.9	44.28N	147.63E	60–45	3.8,3.7		**¶606031837**
ISCJB	IX	17 07 55 23.1–.71	44.27N–.08	147.7E–.10	108–4	3.6b,3.7		
JMA	IX	17 07 55 24.9–.20	43.91N	147.82E	91	3.3,3.7		
MOS	IX	17 07 55 24.9–1.5	44.87N	147.19E	83	4.2b,3.7		
SKHL	IX	17 07 55 25.4–.50	44.21N	147.83E	88–2	5.6s,4.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=24.2km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=6.2km az=137.4.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=21.2km s-min=10.2km az=58.8.

(192) New Britain region

ISC	**IX**	**17 20 07 55.0–.28**	**5.71S–.03**	**150.16E–.04**	**94–2**	**5.2b**	**548**	**3-155**
BJI	IX	17 20 07 51.3	6.07S	150.50E	104	5.4b,5.4b		**¶601721784**
ISCJB	IX	17 20 07 54.7–.60	5.73S–.02	150.09E–.03	102–5	5.2b,5.4b		
NEIC	IX	17 20 07 54.4–.15	5.69S	150.12E	85	5.5W,5.4b		
IDC	IX	17 20 07 54.2–.38	5.77S	150.13E	85–3	5.3,5.0		
MOS	IX	17 20 07 55.1–1.2	5.70S	150.07E	107	5.2b,4.3s		
GCMT	IX	17 20 07 56.4–.10	5.81S–.01	150.21E–.01	88–1	5.5W,4.3s		
DJA	IX	17 20 07 58.0–.60	6S–3.0	150E–4.0	112–5	6.3,5.8b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10 $M_{\theta\theta}$1.33 $M_{\phi\phi}$-0.22 $M_{r\theta}$-1.61 $M_{\theta\phi}$0.28 $M_{\phi r}$-0.91 Best double couple: NP1:ϕ_s63.00000°,δ74.00000°,λ-102.00000°. NP2: ϕ_s280.00000°,δ20.00000°,λ-54.00000°. Principal axes: T 2.3100,Plg28.0000°,Azm163.0000° ; N -0.1500,Plg11.0000°,Azm66.0000°; P -2.1700,Plg59.0000°,Azm316.0000° $M_0$2.20000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s299.00000°,δ41.00000°,λ-49.00000°. NP2:ϕ_s70.00000°,δ60.00000°,λ-120.00000°. Principal axes: T Plg10.0000°,Azm181.0000°; N Plg0.0000°,Azm0.0000°; P Plg68.0000° ,Azm310.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c188; s127,c251;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.04 $M_{\theta\theta}$0.84±.03; $M_{\phi\phi}$-0.69±.03; $M_{r\theta}$-1.84±.02; $M_{\theta\phi}$-0.33±.03; $M_{\phi r}$-1.06±.02; Best double couple: NP1:ϕ_s60.00000°,δ88.00000°,λ-111.00000°. NP2:ϕ_s325.00000°,δ21.00000°,λ-6.00000°. Principal axes: T 2.3060,Plg39.0000° ,Azm170.0000°; N -0.0410,Plg21.0000°,Azm61.0000°; P -2.2640,Plg43.0000° ,Azm310.0000° $M_0$2.28500×10^{17}

(224) Hokkaido region

ISC	**IX**	**20 07 20 39.9–.53**	**45.18N–.05**	**145.31E–.05**	**252–5**	**3.9b**	**122**	**1-80**
NIED	IX	20 07 20 00	45.00N	145.40E	230	4.2W		**¶601863874**
BJI	IX	20 07 20 38.5	45.39N	145.41E	257	4.5b,4.4b		
MOS	IX	20 07 20 38.1–.94	45.61N	145.20E	227	3.9b,4.4b		
ISCJB	IX	20 07 20 39.0–.26	45.25N–.05	145.41E–.05	252–3	3.9b,4.4b		
SKHL	IX	20 07 20 40.4–.80	45.26N	145.48E	226–31	5.8s,4.8b		
JMA	IX	20 07 20 40.3–.40	45.03N	145.38E	260–4	4.2,4.8b		
IDC	IX	20 07 20 41.1–.77	45.35N	145.25E	252–8	4.2,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ60.00000°,λ-2.00000°. NP2:ϕ_s64.00000°,δ88.00000°,λ-150.00000°. $M_0$2.39000×10^{15}
MOS Error ellipse: s-maj=13.2km s-min=8.2km az=87.5.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=166.5.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=11.8km s-min=8.5km az=149.0.

(192) New Britain region

ISC	**IX**	**20 17 44 50.2–.50**	**5.72S–.04**	**149.86E–.06**	**115–4**	**4.8b**	**168**	**3-152**
BJI	IX	20 17 44 47.0	5.82S	150.25E	122	5.0b,4.8b		**¶601734536**
NEIC	IX	20 17 44 49.1–.27	5.69S	149.85E	100	5.1b,4.8b		
IDC	IX	20 17 44 50.9–.62	5.72S	149.77E	120–5	4.6,4.3		
ISCJB	IX	20 17 44 50.7–.78	5.71S–.03	149.77E–.04	131–7	4.6b,4.3		
DJA	IX	20 17 44 50.7–1.4	6S–7.0	150E–11	111–10	5.6,5.6b		
GCMT	IX	20 17 44 51.1–.40	5.75S–.03	149.96E–.03	129–6	4.7W,5.6b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c23; s53,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.10 $M_{\theta\theta}$0.97±.10; $M_{\phi\phi}$-0.35±.10; $M_{r\theta}$-1.21±.07; $M_{\theta\phi}$0.08±.11; $M_{\phi r}$-0.60±.07; Best double couple: NP1:ϕ_s65.00000°,δ76.00000°,λ-107.00000°. NP2:ϕ_s296.00000°,δ21.00000°,λ-40.00000°. Principal axes: T 1.6880,Plg30.0000° ,Azm168.0000°; N -0.1960,Plg16.0000°,Azm69.0000°; P -1.4920,Plg56.0000° ,Azm314.0000° $M_0$1.59000×10^{16}

(259) Mindanao

ISC	**IX**	**20 21 21 05.0–.28**	**6.00N–.03**	**126.45E–.03**	**103–2**	**5.3b**	**1068**	**1-172**
MOS	IX	20 21 21 03.5–.95	6.04N	126.44E	104	5.3b		**¶601735542**
MAN	IX	20 21 21 03.1	5.84N	126.56E	79	5.9b,5.5s		
IDC	IX	20 21 21 03.6–.52	6.05N	126.41E	92–4	5.1,4.9		
BJI	IX	20 21 21 04.6	6.00N	126.40E	106	5.0b,5.0b		
ISCJB	IX	20 21 21 05.5–.24	6.00N–.01	126.43E–.02	122–2	5.2b,5.0b		
GCMT	IX	20 21 21 05.4–.10	5.97N–.01	126.55E–.01	91–1	5.4W,5.0b		
NEIC	IX	20 21 21 05.4–.43	6.00N	126.38E	106–4	5.3b,5.0b		
DJA	IX	20 21 21 06.4–.30	6N–3.0	126E–2.0	102–3	6.0,5.8b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c160; s125,c223;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.03 $M_{\theta\theta}$0.41±.02; $M_{\phi\phi}$-0.96±.03; $M_{r\theta}$-0.36±.01; $M_{\theta\phi}$-0.75±.02; $M_{\phi r}$1.13±.02; Best double couple: NP1:ϕ_s348.00000°,δ78.00000°,λ54.00000°. NP2:ϕ_s242.00000°,δ38.00000°,λ160.00000°. Principal axes: T 1.5720,Plg45.0000° ,Azm222.0000°; N 0.1160,Plg35.0000°,Azm357.0000°; P -1.6880,Plg24.0000° ,Azm106.0000° $M_0$1.63000×10^{17}
NEIC Event type fe. Felt [IV PIVS] at Cateel, Mati, San Isidro and Sigaboy; [III PIVS] at Davao; [II PIVS] at Compostela, Magugpo, Malita and Manay. Also felt at Polomolok.

(173) Tonga Islands

ISC	**IX**	**25 03 06 51.7–.30**	**15.50S–.04**	**173.77W–.04**	**106–2**	**5.1b**	**1384**	**2-175**
ISCJB	IX	25 03 06 49.9–.78	15.50S–.03	173.89W–.02	100–7	5.1b		**¶604029872**
MOS	IX	25 03 06 49.4–.96	15.37S	173.96W	89	5.4b		
IDC	IX	25 03 06 50.4–2.0	15.46S	173.87W	90–17	5.5,5.2		
BJI	IX	25 03 06 51.3	15.14S	173.90W	104	5.5b,5.4b		
NEIC	IX	25 03 06 52.0–.00	15.77S	173.72W	110	5.5b,5.4b		
NEIC	IX	25 03 06 53.9–.49	15.52S	173.90W	122–4	5.7W,5.6W		
GCMT	IX	25 03 06 56.8–.10	15.39S–.01	173.63W–.01	122–0	5.7W,5.6W		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$1.35 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.44 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s47.00000° ,δ66.00000°,λ38.00000°. NP2:ϕ_s299.00000°,δ56.00000°,λ150.00000°. Principal axes: T 3.0200,Plg43.0000°,Azm266.0000°; N -0.3600,Plg45.0000°,Azm74.0000° ; P -2.6500,Plg6.0000°,Azm171.0000° $M_0$2.90000×10^{17}
NEIC Event type fe. Felt at Utulei, American Samoa. Also felt at Apia, Samoa. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$-2.88 $M_{\phi\phi}$1.02 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.79 $M_{\phi r}$3.15 Best double couple: NP1:ϕ_s288.00000°,δ36.00000°,λ153.00000°. NP2:ϕ_s40.00000° ,δ75.00000°,λ57.00000°. Principal axes: T 4.6400,Plg49.0000°,Azm274.0000° ; N -0.8300,Plg31.0000°,Azm50.0000°; P -3.8100,Plg23.0000°,Azm155.0000° $M_0$4.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c235; s137,c353; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$-3.66±.04; $M_{\phi\phi}$2.03±.04; $M_{r\theta}$0.82±.03; $M_{\theta\phi}$-0.23±.04; $M_{\phi r}$2.36±.03; Best double couple: NP1:ϕ_s50.00000°,δ70.00000° ,λ41.00000°. NP2:ϕ_s304.00000°,δ52.00000°,λ154.00000°. Principal axes: T 4.2180,Plg43.0000°,Azm274.0000°; N -0.3640,Plg45.0000°,Azm72.0000° ; P -3.8540,Plg11.0000°,Azm173.0000° $M_0$4.03600×10^{17}

(171) South of Fiji Islands

ISC	**IX**	**26 17 15 52.2–.49**	**26.01S–.05**	**177.25W–.05**	**102–3**	**5.1b**	**566**	**3-169**
MOS	IX	26 17 15 47.9–1.9	25.93S	177.36W	72	5.4b		**¶604029880**
ISCJB	IX	26 17 15 51.8–.14	26.19S–.04	177.40W–.03	107	5.1b		
NEIC	IX	26 17 15 52.9–.61	26.04S	177.42W	104–5	5.0b		
WEL	IX	26 17 15 52.0	26.04S	177.42W	104	5.0b		
GCMT	IX	26 17 15 52.9–.20	26.02S–.01	176.87W–.01	95–1	5.2W		
BJI	IX	26 17 15 52.7	26.00S	177.40W	110	5.5b,5.2b		
IDC	IX	26 17 15 52.6–.66	25.96S	177.28W	101–5	5.1,4.9		

ISC Event type se.
MOS Error ellipse: s-maj=9.8km s-min=9.0km az=103.6.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=152.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=161.0.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c129; s108,c183;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$-0.44±.02; $M_{\phi\phi}$0.50±.02; $M_{r\theta}$-0.37±.01; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$-0.63±.01; Best double couple: NP1:ϕ_s29.00000°,δ87.00000°,λ-54.00000°. NP2:ϕ_s123.00000°,δ36.00000°,λ-175.00000°. Principal axes: T 0.9120,Plg33.0000° ,Azm89.0000°; N -0.0140,Plg36.0000°,Azm207.0000°; P -0.8980,Plg37.0000° ,Azm330.0000° $M_0$0.90500×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=11.7km az=5.0.

(123) Northern Chile

ISC	**IX**	**26 17 45 00.5–.28**	**22.30S–.03**	**68.63W–.03**	**113–2**	**5.3b**	**1235**	**0-174**
ISCJB	IX	26 17 44 58.8–.13	22.14S–.02	68.47W–.03	112	5.3b		**¶601741012**
MOS	IX	26 17 44 58.1–1.3	22.25S	68.43W	99	5.3b		
GUC	IX	26 17 44 59.7–.54	22.30S	68.66W	115–4	5.0L		
SJA	IX	26 17 44 59.1–.78	22.23S	68.40W	205–38	4.6W,4.5L		
IDC	IX	26 17 45 00.6–.56	22.26S	68.42W	112–4	5.1,4.8		
NEIC	IX	26 17 45 00.6–.12	22.26S	68.44W	112	5.3b,5.1L		
BJI	IX	26 17 45 01.6	22.30S	68.50W	108	5.5b,5.1L		
GCMT	IX	26 17 45 02.6–.20	22.35S–.02	68.71W–.02	130–1	5.2W,5.1L		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Calama and [II] at San Pedro de Atacama and Tocopilla.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c74; s96,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.13±.14 $M_{\theta\theta}$0.04±.18; $M_{\phi\phi}$6.10±.23; $M_{r\theta}$-0.25±.13; $M_{\theta\phi}$-2.29±.19; $M_{\phi r}$-2.80±.18; Best double couple: NP1:ϕ_s351.00000°,δ57.00000°,λ-78.00000°. NP2:ϕ_s151.00000°,δ35.00000°,λ-107.00000°. Principal axes: T 7.3650,Plg11.0000° ,Azm73.0000°; N -0.5330,Plg10.0000°,Azm165.0000°; P -6.8230,Plg75.0000°

,Azm296.0000° $M_0$7.09400×10^{16}

(250) Mindoro

ISC	**IX**	**29 14 12 01.5–.41**	**13.84N–.03**	**120.66E–.04**	**153–3**	**4.9b**	**372**	**0-177**
GCMT	IX	29 14 12 00.5–.30	14.03N–.02	120.64E–.02	152–3	5.0W		**¶601767293**
BJI	IX	29 14 12 00.5	13.60N	120.98E	186	5.0b,4.8b		
MOS	IX	29 14 12 00.4–.95	13.86N	120.79E	157	5.0b,4.8b		
IDC	IX	29 14 12 01.0–.29	13.83N	120.74E	148–1	4.8,4.5		
ISCJB	IX	29 14 12 01.1–.21	13.90N–.02	120.79E–.03	160–2	4.8b,4.5		
MAN	IX	29 14 12 01.2	13.85N	120.54E	126	5.8b,5.2s		
NEIC	IX	29 14 12 01.5–.56	13.85N	120.72E	154–5	5.0b,5.2s		
DJA	IX	29 14 12 34.3–5.6	11N–47	121E–11	10	5.0b,5.0		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s91,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.11 $M_{\theta\theta}$-0.29±.12; $M_{\phi\phi}$-3.00±.15; $M_{r\theta}$0.56±.11; $M_{\theta\phi}$-0.13±.15; $M_{\phi r}$-1.76±.13; Best double couple: NP1:ϕ_s173.00000°,δ60.00000°,λ81.00000°. NP2:ϕ_s10.00000°,δ31.00000°,λ105.00000°. Principal axes: T 3.8290,Plg73.0000° ,Azm61.0000°; N -0.3670,Plg8.0000°,Azm178.0000°; P -3.4590,Plg15.0000°,Azm270.0000° $M_0$3.64400×10^{16}

ISCJB Event type fe.

NEIC Event type fe. Felt [II PIVS] at Abra de Ilog, Calapan and Puerto Galera. Felt at Manila, Luzon.

(103) Colombia

ISC	**IX**	**30 16 31 34.1–.23**	**1.91N–.02**	**76.37W–.02**	**155–1**	**6.8b**	**3546**	**0-178**
UCR	IX	30 16 31 31.4–2.0	1.75N	76.29W	124–20	7.0b		**¶601768557**
MOS	IX	30 16 31 32.5–.85	1.98N	76.42W	148	6.9b		
BJI	IX	30 16 31 33.2	1.98N	76.36W	165	7.0b		
IDC	IX	30 16 31 33.5–1.4	1.99N	76.31W	143–12	6.6,6.4		
RSNC	IX	30 16 31 34.4–1.5	1.97N	76.56W	172–9	7.1W,6.4L		
IGQ	IX	30 16 31 34.4–1.3	2N–11	77W–11	228–8	5.7,6.4L		
ISCJB	IX	30 16 31 34.5–.13	1.997N–.01	76.42W–.01	166–1	6.8b,6.4L		
NEIC	IX	30 16 31 34.0–.00	1.87N	75.81W	160	6.8b,6.4L		
NEIC	IX	30 16 31 36.0–.08	1.93N	76.36W	170	7.3W,7.2W		
GCMT	IX	30 16 31 44.0–.10	1.89N–.01	76.22W–.01	159–0	7.2W,7.2W		
NEIC	IX	30 16 31 58.7–.00	2.05N	75.44W	147	7.2W,7.2W		

ISC Event type fe.

UCR Error ellipse: s-maj=30.7km s-min=9.7km az=-1.0.

MOS Error ellipse: s-maj=5.3km s-min=3.8km az=93.4.

IDC Error ellipse: s-maj=8.3km s-min=6.6km az=63.0.

RSNC Error ellipse: s-maj=5.6km s-min=6.4km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=156.9.

NEIC Event type se. Moment Tensor Solution. s99 Moment tensor: Scale 10^{19}Nm; M_{rr}-7.86 $M_{\theta\theta}$8.04 $M_{\phi\phi}$-0.17 $M_{r\theta}$-2.87 $M_{\theta\phi}$4.59 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s79.00000° ,δ54.00000°,λ-72.00000°. NP2:ϕ_s231.00000°,δ39.00000°,λ-112.00000°. Principal axes: T 10.4000,Plg7.0000°,Azm156.0000°; N -1.8000,Plg14.0000°,Azm248.0000° ; P -8.6000,Plg73.0000°,Azm39.0000° $M_0$9.60000×10^{19}

NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=44.0. Felt [V] at Dos Quebradas and Palmira; [IV] at Armenia, Cali, Cartago, Envigado, Jamundi, La Vega, Manizales, Medellin, Pasto, Pereira, Popayan and San Agustin; [III] at Bogota, Pasca and Santa Isabel. Also felt [IV] at Bahia de Caraquez and [III] at Guayaquil and Quito, Ecuador. Felt in much of southwestern Colombia and northern and central Ecuador. Also felt in parts of Panama. Complex earthquake observed on broadband displacement seismograms, with at least 2 large subevents occurring about 4 and 8 seconds after the onset. Depth from broadband displacement seismograms based on first event. Apparent Stress 0.31 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s85 Moment tensor: Scale 10^{19} Nm; M_{rr}-6.20 $M_{\theta\theta}$5.62 $M_{\phi\phi}$0.58 $M_{r\theta}$-4.31 $M_{\theta\phi}$4.02 $M_{\phi r}$0.24 Best double couple: NP1: ϕ_s220.00000°,δ35.00000°,λ-124.00000°. NP2:ϕ_s79.00000°,δ62.00000°,λ-69.00000°. Principal axes: T 8.7700,Plg14.0000°,Azm154.0000°; N -0.8800,Plg18.0000°,Azm249.0000° ; P -7.8900,Plg66.0000°,Azm29.0000° $M_0$8.40000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s67.00000°,δ61.00000°,λ-82.00000°. NP2: ϕ_s230.00000°,δ30.00000°,λ-105.00000°. Principal axes: T Plg16.0000°,Azm151.0000° ; N Plg0.0000°,Azm0.0000°; P Plg73.0000°,Azm358.0000°

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c405; s149,c744; Duration: 10s1 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.76±.00 $M_{\theta\theta}$0.76±.00; $M_{\phi\phi}$0.00±.00; $M_{r\theta}$-0.28±.00; $M_{\theta\phi}$0.42±.00; $M_{\phi r}$0.06±.00; Best double couple: NP1:ϕ_s80.00000°,δ54.00000° ,λ-73.00000°. NP2:ϕ_s231.00000°,δ39.00000°,λ-113.00000°. Principal axes: T 0.9730,Plg8.0000°,Azm157.0000°; N -0.1460,Plg14.0000°,Azm249.0000° ; P -0.8280,Plg74.0000°,Azm39.0000° $M_0$0.90100×10^{20}

NEIC Event type se. Moment Tensor Solution. s148 Moment tensor: Scale 10^{19}Nm; M_{rr}-7.38 $M_{\theta\theta}$7.28 $M_{\phi\phi}$0.10 $M_{r\theta}$-2.78 $M_{\theta\phi}$4.08 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s229.00000° ,δ40.00000°,λ-115.00000°. NP2:ϕ_s81.00000°,δ55.00000°,λ-71.00000°. Principal axes: T 9.4200,Plg8.0000°,Azm157.0000°; N -1.2300,Plg16.0000°,Azm249.0000° ; P -8.2000,Plg73.0000°,Azm42.0000° $M_0$8.80000×10^{19}

(263) Talaud Islands

ISC	**IX**	**30 23 56 30.1–1.5**	**3.7N–.10**	**127.9E–.10**	**71**	**3.6b**	**13**	**2-58**
ISCJB	IX	30 23 56 28.5–1.3	3.6N–.10	127.95E–.07	71	3.4b		**¶601857557**
DJA	IX	30 23 56 30.6–1.5	4N–13	128E–12	27–23	5.7b,5.2		
IDC	IX	30 23 56 31.8–5.7	3.67N	128.16E	88–66	3.7,3.7L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=6.9km az=29.2.

IDC Error ellipse: s-maj=133.6km s-min=24.4km az=68.0.

(173) Tonga Islands

ISC	**X**	**02 03 33 34.2–.32**	**19.01S–.04**	**174.77W–.04**	**136–2**	**5.1b**	**1234**	**5-176**
MOS	X	02 03 33 26.6–.90	18.72S	174.88W	75	5.4b		**¶601874827**
BJI	X	02 03 33 28.7	18.42S	174.52W	95	5.5b,5.2b		
ISCJB	X	02 03 33 32.9–.08	18.84S–.02	174.90W–.02	134	5.0b,5.2b		
WEL	X	02 03 33 34.0	18.84S	174.90W	134	5.0b,5.2b		
IDC	X	02 03 33 34.1–.48	18.82S	174.86W	132–4	5.2,4.9		
NEIC	X	02 03 33 34.2–.56	18.84S	174.90W	134–5	5.0b,4.9		
GCMT	X	02 03 33 37.2–.10	18.84S–.01	174.42W–.01	142–0	5.4W,4.9		

ISC Event type fe.

ISCJB Event type fe.

WEL manual. confirmed.

NEIC Event type fe. Felt at Neiafu.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c200; s132,c241;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.07±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$0.13±.02; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$-1.06±.02; Best double couple: NP1:ϕ_s28.00000°,δ63.00000°,λ-129.00000°. NP2:ϕ_s269.00000°,δ46.00000°,λ-39.00000°. Principal axes: T 1.6670,Plg10.0000° ,Azm145.0000°; N 0.1930,Plg34.0000°,Azm48.0000°; P -1.8560,Plg54.0000°,Azm250.0000° $M_0$1.76100×10^{17}

(274) Southern Sumatera

ISC	**X**	**02 17 37 22.8–.29**	**2.88S–.03**	**101.95E–.03**	**111–2**	**5.2b**	**1458**	**0-177**
BJI	X	02 17 37 20.8	3.27S	101.84E	135	5.2b,5.0b		**¶601777960**
MOS	X	02 17 37 21.0–.92	2.80S	101.99E	104	5.3b,5.0b		
NEIC	X	02 17 37 22.0–.10	2.92S	101.92E	105	5.3b,5.0b		
ISCJB	X	02 17 37 22.2–.26	2.90S–.02	101.93E–.02	116–2	5.2b,5.0b		
IDC	X	02 17 37 23.1–.62	2.85S	102.01E	109–5	5.1,4.8		
DJA	X	02 17 37 23.1–.20	3S–2.0	102E–2.0	95–3	5.5b,5.5b		
GCMT	X	02 17 37 24.0–.30	2.98S–.02	101.91E–.02	114–2	5.0W,5.5b		

ISC Event type fe.

NEIC Event type fe. Felt [III] at Kapahiang.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c43; s67,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.38±.09 $M_{\theta\theta}$-1.32±.13; $M_{\phi\phi}$-1.06±.13; $M_{r\theta}$0.96±.08; $M_{\theta\phi}$-2.45±.10; $M_{\phi r}$-0.32±.10; Best double couple: NP1:ϕ_s71.00000°,δ56.00000°,λ125.00000°. NP2:ϕ_s200.00000°,δ47.00000°,λ50.00000°. Principal axes: T 2.9040,Plg61.0000° ,Azm39.0000°; N 0.7790,Plg28.0000°,Azm230.0000°; P -3.6830,Plg5.0000°,Azm137.0000° $M_0$3.29300×10^{16}

(263) Talaud Islands

ISC	**X**	**03 13 50 16.2–.37**	**3.26N–.04**	**126.64E–.06**	**63**	**4.5b**	**127**	**1-123**
ISCJB	X	03 13 50 14.7–.23	3.31N–.02	126.72E–.04	63	4.4b		**¶601780658**
DJA	X	03 13 50 14.1–1.0	3N–7.0	127E–6.0	10	6.0b,5.7		
MAN	X	03 13 50 16.1	3.22N	126.50E	57	5.1b,4.2s		
NEIC	X	03 13 50 16.9–.89	3.18N	126.48E	70–9	4.7b,4.2s		
IDC	X	03 13 50 19.1–1.7	3.11N	126.58E	89–15	4.5,4.3		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=156.8.

NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=69.0.

IDC Error ellipse: s-maj=18.6km s-min=7.8km az=68.0.

(248) Philippine Islands region

ISC	**X**	**03 18 28 33.7–.39**	**5.85N–.03**	**127.00E–.04**	**150–3**	**5.3b**	**987**	**1-171**
BJI	X	03 18 28 29.0	5.56N	127.12E	145	5.5b,5.1b		**¶601780668**
GCMT	X	03 18 28 30.9–.20	5.90N–.01	126.99E–.02	143–2	5.0W,5.1b		
ISCJB	X	03 18 28 32.4–.26	5.86N–.02	126.99E–.02	150–2	5.2b,5.1b		
IDC	X	03 18 28 33.9–.61	5.84N	126.95E	152–4	5.3,5.0		
MOS	X	03 18 28 33.5–.93	5.89N	126.91E	159	5.4b,5.0		
NEIC	X	03 18 28 33.9–.57	5.86N	126.95E	150–5	5.4b,5.0		
DJA	X	03 18 28 35.8–.70	6N–7.0	127E–4.0	104–11	5.8,5.6b		
MAN	X	03 18 28 41.6	6.54N	126.62E	162	5.8b,5.3s		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c57; s102,c167;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.11 $M_{\theta\theta}$-3.38±.12; $M_{\phi\phi}$-0.04±.13; $M_{r\theta}$2.42±.10; $M_{\theta\phi}$1.90±.13; $M_{\phi r}$0.60±.11; Best double couple: NP1:ϕ_s93.00000°,δ62.00000°,λ67.00000°. NP2:ϕ_s316.00000°,δ36.00000°,λ127.00000°. Principal axes: T 4.5070,Plg65.0000° ,Azm322.0000°; N 0.2260,Plg21.0000°,Azm105.0000°; P -4.7350,Plg14.0000° ,Azm200.0000° $M_0$4.62100×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=160.5.

IDC Error ellipse: s-maj=8.8km s-min=5.7km az=65.0.

MOS Error ellipse: s-maj=7.3km s-min=4.0km az=112.7.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=73.0. Felt [II PIVS] at Mati.

(259) Mindanao

ISC	**X**	**04 17 03 12.5–.38**	**5.53N–.03**	**126.15E–.04**	**99–3**	**4.7b**	**117**	**1-159**
BJI	X	04 17 03 09.2	5.70N	126.40E	86	5.2b,5.0b		**¶601782850**
MAN	X	04 17 03 11.3	5.48N	126.20E	71	5.7b,5.1s		
GCMT	X	04 17 03 12.1–.30	5.66N–.02	126.11E–.03	90–5	4.8W,5.1s		
ISCJB	X	04 17 03 12.3–.30	5.58N–.02	126.13E–.04	117–2	4.6b,5.1s		
IDC	X	04 17 03 13.0–1.1	5.58N	125.93E	110–10	4.7,4.5		
NEIC	X	04 17 03 14.1–.88	5.59N	125.91E	120–8	4.9b,4.5		
DJA	X	04 17 03 16.8–.40	5N–4.0	126E–3.0	51–11	5.5,5.4b		

ISC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s70,c100;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.57±.11 $M_{\theta\theta}$0.97±.12; $M_{\phi\phi}$-1.55±.11; $M_{r\theta}$1.25±.05; $M_{\theta\phi}$1.04±.10; $M_{\phi r}$-0.41±.07; Best double couple: NP1:ϕ_s120.00000°,δ78.00000°,λ41.00000°. NP2:ϕ_s21.00000°,δ50.00000°,λ165.00000°. Principal axes: T 2.1230,Plg36.0000° ,Azm349.0000°; N 0.0610,Plg48.0000°,Azm134.0000°; P -2.1880,Plg18.0000° ,Azm245.0000° $M_0$2.15500×10^{16}

ISCJB Event type se.

NEIC Event type se.

(124) Chile-Bolivia border region

ISC	**X**	**08 01 50 26.0–.22**	**21.80S–.02**	**68.38W–.03**	**123–1**	**5.9b**	**2027**	**1-178**
SJA	X	08 01 50 21.9–.45	21.75S	68.75W	160–2	5.5L,5.4W		**¶601794915**
MOS	X	08 01 50 23.8–1.0	21.50S	68.23W	102	5.9b,4.8s		
GUC	X	08 01 50 25.8–.72	21.83S	68.54W	121–4	5.7W,5.7L		
NEIC	X	08 01 50 25.0–.00	21.87S	68.26W	120	5.7W,5.7L		
ISCJB	X	08 01 50 25.4–.12	21.53S–.02	68.17W–.02	124	5.9b,5.7L		
NEIC	X	08 01 50 26.2–.11	21.73S	68.17W	122	6.0b,5.8W		
IDC	X	08 01 50 27.4–.32	21.63S	68.19W	128–2	5.6,5.2		
GCMT	X	08 01 50 29.2–.10	21.83S–.01	68.46W–.01	131–0	5.8W,5.2		
NEIC	X	08 01 50 33.5–.00	22.25S	67.44W	99	5.8W,5.2		

ISC Event type fe.

SJA Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.

MOS Error ellipse: s-maj=8.6km s-min=5.1km az=107.7.

GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.

NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.09 $M_{\theta\theta}$0.40 $M_{\phi\phi}$3.69 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.29 $M_{\phi r}$-2.91 Best double couple: NP1:ϕ_s357.00000° ,δ63.00000°,λ-88.00000°. NP2:ϕ_s173.00000°,δ27.00000°,λ-94.00000°. Principal axes: T 4.6800,Plg18.0000°,Azm85.0000°; N 0.3800,Plg1.0000°,Azm176.0000° ; P -5.0600,Plg71.0000°,Azm271.0000° $M_0$4.90000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=139.0.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=73.0. Felt [V] at Calama; [IV] at Alto Hospicio, Huara, Iquique, Mamina and Oficina Maria Elena; [III] at Pisagua, Pozo Almonte, Quillagua, Sierra Gorda and Tocopilla; [II] at Antofagasta, Baquedano, Camina, Copiapo, Diego de Almagro, Pica and Tierra Amarilla. Also felt at San Pedro de Atacama. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.38 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.51 $M_{\theta\theta}$0.26 $M_{\phi\phi}$3.25 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.06 $M_{\phi r}$-3.47 Best double couple: NP1:ϕ_s12.00000° ,δ69.00000°,λ-81.00000°. NP2:ϕ_s169.00000°,δ23.00000°,λ-112.00000°. Principal axes: T 4.7400,Plg23.0000°,Azm95.0000°; N 0.4300,Plg8.0000°,Azm189.0000° ; P -5.1800,Plg65.0000°,Azm297.0000° $M_0$5.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s157.00000°,δ27.00000°,λ-110.00000°. NP2: ϕ_s0.00000°,δ65.00000°,λ-80.00000°. Principal axes: T Plg19.0000°,Azm83.0000° ; N Plg0.0000°,Azm0.0000°; P Plg68.0000°,Azm290.0000°

IDC Error ellipse: s-maj=8.1km s-min=7.0km az=85.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c247; s131,c360; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.52±.04 $M_{\theta\theta}$-0.83±.05; $M_{\phi\phi}$5.35±.06; $M_{r\theta}$-0.87±.04; $M_{\theta\phi}$-0.75±.05; $M_{\phi r}$-2.36±.04; Best double couple: NP1:ϕ_s7.00000°,δ59.00000° ,λ-74.00000°. NP2:ϕ_s158.00000°,δ35.00000°,λ-114.00000°. Principal axes: T 5.9290,Plg12.0000°,Azm85.0000°; N -0.6440,Plg14.0000°,Azm178.0000° ; P -5.2880,Plg71.0000°,Azm315.0000° $M_0$5.60900×10^{17}

NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.80 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$6.45 $M_{r\theta}$0.20 $M_{\theta\phi}$0.04 $M_{\phi r}$-2.15 Best double couple: NP1:ϕ_s183.00000° ,δ35.00000°,λ-86.00000°. NP2:ϕ_s358.00000°,δ55.00000°,λ-3.00000°. Principal axes: T 6.8100,Plg10.0000°,Azm90.0000°; N -0.6400,Plg2.0000°,Azm360.0000° ; P -6.1700,Plg80.0000°,Azm258.0000° $M_0$6.50000×10^{17}

(127) Chile-Argentina border region

ISC	**X**	**11 17 22 09.9–.47**	**32.88S–.03**	**70.59W–.04**	**82–4**	**5.5b**	**1187**	**0-179**
NEIC	X	11 17 22 09.9–.33	32.87S	70.31W	82–3	5.7,5.7L		**¶601874145**
ISCJB	X	11 17 22 09.9–.20	32.79S–.02	70.40W–.03	94–1	5.4b,5.7L		
SJA	X	11 17 22 09.6–.71	32.98S	70.50W	137–6	5.7L,5.2W		
GUC	X	11 17 22 10.5–.45	32.88S	70.65W	95–2	5.7W,5.7L		
MOS	X	11 17 22 10.4–.96	32.82S	70.52W	93	5.4b,4.3s		
NEIC	X	11 17 22 10.0–.00	32.97S	70.52W	120	5.4b,4.3s		
BJI	X	11 17 22 11.3	32.90S	70.40W	82	5.5,5.5s		
IDC	X	11 17 22 13.3–3.2	32.86S	70.42W	113–27	5.4,5.1		
GCMT	X	11 17 22 14.9–.10	32.86S–.01	70.57W–.01	107–1	5.6W,5.1		

ISC Event type fe.

NEIC Event type fe. Felt [VI] at Lampa, Melipilla, Penaflor, Puente Alto, San Bernardo, Santiago, Talagante and Tiltil and [V] in the Petorca-Rancagua-Valparaiso area. Felt as far north as Coquimbo and as far south as Linares. Also felt [IV] at Mendoza and [III] at San Juan, Argentina. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.48 $M_{r\theta}$-1.12 $M_{\theta\phi}$3.20 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s177.00000°,δ73.00000° ,λ-171.00000°. NP2:ϕ_s84.00000°,δ82.00000°,λ-17.00000°. Principal axes: T 3.2500,Plg6.0000°,Azm132.0000°; N 0.4000,Plg71.0000°,Azm239.0000° ; P -3.6500,Plg18.0000°,Azm40.0000° $M_0$3.50000×10^{17}

ISCJB Event type fe.

NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$1.46 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.93 $M_{\phi r}$0.26 Best double couple: NP1:ϕ_s161.00000° ,δ88.00000°,λ-172.00000°. NP2:ϕ_s71.00000°,δ83.00000°,λ-2.00000°. Principal axes: T 2.4200,Plg3.0000°,Azm295.0000°; N 0.0700,Plg82.0000°,Azm179.0000° ; P -2.4900,Plg6.0000°,Azm26.0000° $M_0$2.50000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c155; s92,c182;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.04 $M_{\theta\theta}$-1.11±.05; $M_{\phi\phi}$1.11±.05; $M_{r\theta}$-0.41±.04; $M_{\theta\phi}$3.10±.04; $M_{\phi r}$0.28±.04; Best double couple: NP1:ϕ_s80.00000°,δ84.00000°,λ-6.00000°. NP2:ϕ_s170.00000°,δ84.00000°,λ-174.00000°. Principal axes: T 3.2930,Plg0.0000° ,Azm125.0000°; N 0.0680,Plg82.0000°,Azm216.0000°; P -3.3660,Plg8.0000°,Azm35.0000° $M_0$3.32900×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**X**	**14 04 58 07.2–.25**	**7.17S–.03**	**156.13E–.03**	**63–2**	**5.8b**	**1557**	**4-162**
MOS	X	14 04 58 03.3–.92	7.07S	156.08E	33	5.9b,5.3s		**¶606632145**
NEIC	X	14 04 58 04.9–.09	7.15S	156.05E	37	5.8W,5.8W		
ISCJB	X	14 04 58 04.5–.62	7.14S–.02	156.05E–.02	45–5	5.8b,5.4s		
BJI	X	14 04 58 06.5	6.91S	156.17E	62	5.7b,5.6b		
IDC	X	14 04 58 06.7–.37	7.17S	156.07E	54–3	5.7,5.4		
DJA	X	14 04 58 07.2–.20	7S–3.0	156E–3.0	50	6.1b,5.9b		

NEIC X 14 04 58 07.0–.00 7.09S 155.96E 60 6.1b,5.9b
GCMT X 14 04 58 08.9–.10 7.33S–.01 156.06E–.01 50–0 5.8W,5.9b
NEIC X 14 04 58 22.2–.00 6.96S 155.55E 47 5.8W,5.9b
ISC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=5.2km az=95.3.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=148.0. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.33 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}6.34 $M_{\theta\theta}$-4.72 $M_{\phi\phi}$-1.62 $M_{r\theta}$-0.77 $M_{\theta\phi}$3.13 $M_{\phi r}$0.45 Best double couple: NP1:ϕ_s122.00000°,δ41.00000°,λ90.00000°. NP2: ϕ_s302.00000°,δ49.00000°,λ90.00000°. Principal axes: T 6.4000,Plg86.0000°,Azm209.0000° ; N 0.3200,Plg0.0000°,Azm302.0000°; P -6.7200,Plg4.0000°,Azm32.0000° $M_0$6.60000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=177.5.
IDC Error ellipse: s-maj=8.8km s-min=7.3km az=51.0.
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}5.70 $M_{\theta\theta}$-3.41 $M_{\phi\phi}$-2.29 $M_{r\theta}$0.63 $M_{\theta\phi}$3.38 $M_{\phi r}$0.07 Best double couple: NP1:ϕ_s125.00000° ,δ47.00000°,λ83.00000°. NP2:ϕ_s315.00000°,δ43.00000°,λ97.00000°. Principal axes: T 5.7600,Plg84.0000°,Azm332.0000°; N 0.5300,Plg5.0000°,Azm130.0000° ; P -6.2900,Plg2.0000°,Azm220.0000° $M_0$6.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c285; s137,c370; Duration: 2τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.33±.06 $M_{\theta\theta}$-4.21±.05; $M_{\phi\phi}$-2.12±.05; $M_{r\theta}$-1.34±.05; $M_{\theta\phi}$3.49±.04; $M_{\phi r}$-0.18±.05; Best double couple: NP1:ϕ_s298.00000°,δ50.00000° ,λ78.00000°. NP2:ϕ_s136.00000°,δ42.00000°,λ103.00000°. Principal axes: T 6.5480,Plg80.0000°,Azm151.0000°; N 0.3310,Plg9.0000°,Azm305.0000° ; P -6.8790,Plg4.0000°,Azm36.0000° $M_0$6.71400×10^{17}
NEIC Event type se. Moment Tensor Solution. s7 Moment tensor: Scale 10^{17}Nm; M_{rr}6.60 $M_{\theta\theta}$-4.62 $M_{\phi\phi}$-1.98 $M_{r\theta}$-0.92 $M_{\theta\phi}$4.26 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s305.00000° ,δ49.00000°,λ88.00000°. NP2:ϕ_s128.00000°,δ41.00000°,λ92.00000°. Principal axes: T 6.6800,Plg86.0000°,Azm195.0000°; N 1.1600,Plg2.0000°,Azm306.0000° ; P -7.8400,Plg4.0000°,Azm36.0000° $M_0$7.30000×10^{17}

(201) Irian Jaya

ISC	**X**	**15 16 35 39.5–.37**	**3.24S–.05**	**137.09E–.04**	**100**	**4.2b**	**110**	**3-129**
BJI	X	15 16 35 31.4	3.59S	137.58E	69	5.2b,4.7b	**¶601834643**	
IDC	X	15 16 35 38.0–.70	3.18S	137.13E	76–6	4.3,4.1		
NEIC	X	15 16 35 37.9–.26	3.23S	137.00E	76	4.6b,4.1		
ISCJB	X	15 16 35 38.4–.25	3.31S–.04	137.07E–.03	100	4.3b,4.1		
DJA	X	15 16 35 38.6–.20	3S–3.0	137E–2.0	77–5	5.5b,5.4		

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

(70) Guatemala

ISC	**X**	**15 17 52 19.6–.27**	**14.09N–.04**	**91.14W–.04**	**76–2**	**5.3b**	**1267**	**1-156**
UCR	X	15 17 52 19.5–1.7	13.95N	91.27W	23–13	5.4b,5.2L	**¶601834646**	
IDC	X	15 17 52 19.4–.40	14.18N	90.89W	76–3	4.8,4.6		
ISCJB	X	15 17 52 19.7–.13	14.17N–.02	91.08W–.01	81	5.2b,4.6		
BJI	X	15 17 52 20.7	14.20N	91.00W	85	5.6s,5.4		
GCMT	X	15 17 52 20.0–.10	14.08N–.01	91.32W–.01	78–1	5.5W,5.4		
MOS	X	15 17 52 20.6–1.1	14.13N	90.95W	94	5.4b,4.9s		
NEIC	X	15 17 52 21.0–.20	14.06N	91.01W	82	5.6,5.5W		

ISC Event type fe.
UCR Error ellipse: s-maj=10.5km s-min=9.7km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=8.4km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=38.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c193; s125,c226;Duration: 1τ4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.03 $M_{\theta\theta}$-0.36±.04; $M_{\phi\phi}$0.32±.04; $M_{r\theta}$1.92±.02; $M_{\theta\phi}$-0.58±.03; $M_{\phi r}$-1.56±.03; Best double couple: NP1:ϕ_s306.00000°,δ88.00000° ,λ-101.00000°. NP2:ϕ_s206.00000°,δ11.00000°,λ-11.00000°. Principal axes: T 2.7740,Plg42.0000°,Azm47.0000°; N -0.4930,Plg11.0000°,Azm307.0000° ; P -2.2810,Plg46.0000°,Azm205.0000° $M_0$2.52700×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=4.2km az=111.4.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=215.0. Felt [V] at Antigua Guatemala and Villa Nueva; [IV] at Guatemala, La Democracia, Mixco, San Bartolome Milpas Altas and Santa Catarina Pinula; [III] at Cahabon. Felt throughout southern Guatemala. Felt [IV] at San Salvador, El Salvador. Also felt at Concepcion de Ataco, Nueva San Salvador, Opico and Santiago Nonualco. Felt at Tapachula and Tuxtla Gutierrez, Mexico. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.27 $M_{r\theta}$1.83 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.21 Best double couple: NP1:ϕ_s124.00000°,δ86.00000° ,λ98.00000°. NP2:ϕ_s241.00000°,δ9.00000°,λ28.00000°. Principal axes: T 2.1600,Plg49.0000°,Azm42.0000°; N 0.1700,Plg8.0000°,Azm303.0000° ; P -2.3300,Plg40.0000°,Azm206.0000° $M_0$2.30000×10^{17}

(718) Hindu Kush region

ISC	**X**	**15 23 43 45.3–.29**	**35.95N–.03**	**69.63E–.03**	**101–2**	**4.9b**	**650**	**1-149**
ISCJB	X	15 23 43 44.5–.27	35.95N–.02	69.72E–.02	105–3	4.9b	**¶601835760**	
MOS	X	15 23 43 44.7–.96	35.94N	69.64E	107	4.9b		
BJI	X	15 23 43 45.4	35.99N	69.70E	111	4.9b,4.8b		
IDC	X	15 23 43 46.6–.49	35.91N	69.66E	113–4	4.8,4.5		
NNC	X	15 23 43 46.8–2.3	36.57N	69.17E	0	5.7b,5.4		
NEIC	X	15 23 43 46.6–.15	35.95N	69.68E	112	5.0b,5.4		
GCMT	X	15 23 43 47.6–.30	35.83N–.02	69.35E–.02	107–4	4.9W,5.4		

ISC Event type se.
ISCJB Event type se.
NNC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s79,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.10 $M_{\theta\theta}$1.86±.10; $M_{\phi\phi}$-1.64±.10; $M_{r\theta}$-0.81±.07; $M_{\theta\phi}$1.03±.11; $M_{\phi r}$-1.31±.06; Best double couple: NP1:ϕ_s31.00000°,δ87.00000°,λ-142.00000°. NP2:ϕ_s299.00000°,δ52.00000°,λ-4.00000°. Principal axes: T 2.6300,Plg23.0000° ,Azm159.0000°; N -0.1530,Plg52.0000°,Azm35.0000°; P -2.4770,Plg28.0000° ,Azm262.0000° $M_0$2.55400×10^{16}

(221) Kuril Islands

ISC	**X**	**16 12 41 24.9–.29**	**49.57N–.03**	**156.52E–.03**	**76–2**	**6.1b**	**2446**	**1-158**
BJI	X	16 12 41 20.8	49.51N	156.52E	63	6.0b,5.7b	**¶601836659**	
KRSC	X	16 12 41 21.6–1.6	49.52N	156.67E	93–28	6.3L,5.7b		
ISCJB	X	16 12 41 23.2–.28	49.58N–.01	156.49E–.02	73–2	6.0b,5.7b		
NEIC	X	16 12 41 24.0–.00	49.60N	156.46E	80	6.0b,5.7b		
IDC	X	16 12 41 25.1–1.4	49.59N	156.43E	77–11	5.9,5.6		
MOS	X	16 12 41 25.0–.94	49.69N	156.45E	92	6.2b,5.6		
GCMT	X	16 12 41 25.8–.10	49.57N–.01	156.74E–.01	81–0	5.6W,5.6		
NEIC	X	16 12 41 25.8–.38	49.62N	156.44E	81–3	6.2b,5.6W		

ISC Event type se.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.5km az=161.9.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.74 $M_{\phi\phi}$0.47 $M_{r\theta}$0.26 $M_{\theta\phi}$1.31 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s196.00000° ,δ76.00000°,λ-116.00000°. NP2:ϕ_s79.00000°,δ30.00000°,λ-29.00000°. Principal axes: T 2.7500,Plg25.0000°,Azm306.0000°; N 0.0600,Plg25.0000°,Azm202.0000° ; P -2.8000,Plg52.0000°,Azm74.0000° $M_0$2.80000×10^{17}
IDC Error ellipse: s-maj=9.1km s-min=7.0km az=121.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.0km az=78.3. Fault plane solution: P-wave C86, D226 . Felt (V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s209.00000°,δ84.00000°,λ-108.00000°. NP2: ϕ_s101.00000°,δ19.00000°,λ-19.00000°. Principal axes: T Plg36.0000°,Azm315.0000° ; N Plg18.0000°,Azm211.0000°; P Plg48.0000°,Azm100.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c222; s139,c333; Duration: 1τ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33±.03 $M_{\theta\theta}$0.80±.03; $M_{\phi\phi}$0.53±.03; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$1.59±.03; $M_{\phi r}$2.13±.02; Best double couple: NP1:ϕ_s197.00000°,δ74.00000° ,λ-119.00000°. NP2:ϕ_s80.00000°,δ33.00000°,λ-31.00000°. Principal axes: T 3.0080,Plg23.0000°,Azm309.0000°; N -0.1790,Plg28.0000°,Azm206.0000° ; P -2.8280,Plg52.0000°,Azm73.0000° $M_0$2.91800×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.5km az=158.0. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.62 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.75 $M_{r\theta}$0.41 $M_{\theta\phi}$0.78 $M_{\phi r}$2.41 Best double couple: NP1:ϕ_s63.00000°,δ21.00000°,λ-47.00000°. NP2:ϕ_s198.00000° ,δ75.00000°,λ-105.00000°. Principal axes: T 2.6800,Plg28.0000°,Azm300.0000° ; N 0.4400,Plg14.0000°,Azm202.0000°; P -3.1200,Plg58.0000°,Azm88.0000° $M_0$2.90000×10^{17}

(192) New Britain region

ISC	**X**	**17 05 49 23.7–.43**	**4.92S–.04**	**151.72E–.05**	**160–3**	**4.9b**	**318**	**1-157**
BJI	X	17 05 49 21.0	4.79S	152.12E	162	5.0b,4.9b	**¶601874168**	
ISCJB	X	17 05 49 23.2–.64	4.87S–.03	151.62E–.04	165–5	4.8b,4.9b		
NEIC	X	17 05 49 23.8–.55	4.85S	151.63E	160–4	4.9b,4.9b		
IDC	X	17 05 49 24.1–.59	4.87S	151.67E	161–4	4.9,4.6		
DJA	X	17 05 49 33.9–2.3	5S–9.0	151E–17	227–15	5.8b,5.3		

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

(159) North Island

ISC	**X**	**19 06 42 15.7–.56**	**38.77S–.04**	**176.02E–.03**	**118–4**	**4.9b**	**295**	**0-163**
NEIC	X	19 06 42 13.8–.48	38.86S	176.11E	108–4	4.9b	**¶606594813**	
BJI	X	19 06 42 13.0	38.21S	176.75E	100	5.5b,5.1b		
ISCJB	X	19 06 42 14.3–.16	38.71S–.02	176.07E–.03	114–1	4.8b,5.1b		
GCMT	X	19 06 42 14.9–.40	38.51S–.03	176.09E–.03	134–5	4.9W,5.1b		
IDC	X	19 06 42 14.9–.40	38.23S	176.54E	125–6	4.7,4.5		
WEL	X	19 06 42 15.1	38.6S–.90	176E–1.0	109–2	4.7,4.5		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s63,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.15 $M_{\theta\theta}$2.20±.19; $M_{\phi\phi}$-2.35±.17; $M_{r\theta}$1.23±.10; $M_{\theta\phi}$-0.11±.16; $M_{\phi r}$-1.56±.10; Best double couple: NP1:ϕ_s138.00000°,δ89.00000°,λ41.00000°. NP2:ϕ_s47.00000°,δ49.00000°,λ179.00000°. Principal axes: T 2.8990,Plg29.0000° ,Azm10.0000°; N 0.2390,Plg49.0000°,Azm139.0000°; P -3.1370,Plg27.0000°,Azm264.0000° $M_0$3.01800×10^{16}
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(189) Southeast of Loyalty Islands

ISC	**X**	**23 09 39 30.4–.35**	**22.27S–.04**	**171.69E–.04**	**123–2**	**5.9b**	**1441**	**4-169**
ISCJB	X	23 09 39 29.9–.54	22.30S–.02	171.63E–.02	126–5	5.9b	**¶601874209**	
IDC	X	23 09 39 29.2–1.3	22.31S	171.77E	110–9	6.0,5.7		
MOS	X	23 09 39 30.5–.88	22.29S	171.66E	133	5.9b,5.7		
NEIC	X	23 09 39 30.7–.44	22.31S	171.69E	123–4	5.9W,5.9b		
WEL	X	23 09 39 30.0	22.31S	171.69E	123	5.9W,5.9b		
GCMT	X	23 09 39 31.7–.10	22.40S–.01	171.69E–.01	113–0	5.9W,5.9b		
NEIC	X	23 09 39 31.0–.00	22.22S	171.46E	100	5.9W,5.9b		
BJI	X	23 09 39 32.7	21.60S	171.60E	128	6.0b,5.9b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=18.0.
IDC Error ellipse: s-maj=11.2km s-min=9.2km az=83.0.
MOS Error ellipse: s-maj=6.9km s-min=6.6km az=100.4.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=2.4km az=150.0. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-3.59 $M_{\phi\phi}$1.45 $M_{r\theta}$6.25 $M_{\theta\phi}$4.45 $M_{\phi r}$3.26 Best double couple: NP1: ϕ_s336.00000°,δ38.00000°,λ165.00000°. NP2:ϕ_s78.00000°,δ81.00000°,λ53.00000°. Principal axes: T 9.5200,Plg42.0000°,Azm313.0000°; N -1.4100,Plg37.0000°,Azm84.0000° ; P -8.1100,Plg26.0000°,Azm196.0000° $M_0$8.90000×10^{17}
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c269; s145,c399; Duration: 2τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.07 $M_{\theta\theta}$-4.16±.08; $M_{\phi\phi}$2.80±.08; $M_{r\theta}$5.53±.05; $M_{\theta\phi}$4.32±.07; $M_{\phi r}$2.60±.05; Best double couple: NP1:ϕ_s73.00000°,δ83.00000° ,λ48.00000°. NP2:ϕ_s336.00000°,δ43.00000°,λ170.00000°. Principal axes: T 8.5140,Plg37.0000°,Azm307.0000°; N -0.3680,Plg42.0000°,Azm79.0000° ; P -8.1470,Plg26.0000°,Azm195.0000° $M_0$8.33100×10^{17}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}1.19 $M_{\theta\theta}$-3.32 $M_{\phi\phi}$2.13 $M_{r\theta}$4.22 $M_{\theta\phi}$3.22 $M_{\phi r}$3.63 Best double couple: NP1:ϕ_s69.00000°,δ82.00000° ,λ50.00000°. NP2:ϕ_s330.00000°,δ41.00000°,λ168.00000°. Principal axes: T 7.7900,Plg39.0000°,Azm303.0000°; N -1.8000,Plg39.0000°,Azm75.0000° ; P -5.9900,Plg26.0000°,Azm189.0000° $M_0$7.10000×10^{17}

(267) Halmahera

ISC	**X**	**27 21 51 11.7–.63**	**2.80N–.08**	**128.54E–.08**	**200**	**3.8b**	**26**	**2-82**
ISCJB	X	27 21 51 09.8–.64	2.93N–.07	128.71E–.10	200	3.7b	**¶601852940**	
IDC	X	27 21 51 14.0–2.1	2.69N	128.59E	235–22	4.1,3.6		
DJA	X	27 21 51 16.3–.60	3N–7.0	128E–4.0	185–7	5.5b,5.0		

ISC Event type ke.
ISCJB Event type ke.

(280) Banda Sea

ISC	**X**	**28 05 29 49.1–.49**	**7.50S–.05**	**128.88E–.07**	**131**	**4.1b**	**42**	**3-128**
ISCJB	X	28 05 29 49.3–.38	7.42S–.04	128.84E–.05	131	3.9b	**¶601853284**	
DJA	X	28 05 29 51.8–.30	8S–3.0	129E–4.0	147–6	5.7b,5.3		
IDC	X	28 05 29 52.3–1.6	7.30S	128.78E	164–14	4.2,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=19.9.
IDC Error ellipse: s-maj=19.4km s-min=10.8km az=99.0.

(192) New Britain region

ISC	**X**	**30 07 12 29.3–.26**	**4.59S–.04**	**151.92E–.05**	**153**	**5.1b**	**575**	**0-157**
BJI	X	30 07 12 25.8	4.51S	152.47E	159	5.2b,5.1b	**¶601859282**	
ISCJB	X	30 07 12 28.0–.11	4.58S–.02	151.84E–.02	153	5.0b,5.1b		
IDC	X	30 07 12 30.8–1.8	4.55S	151.93E	168–15	5.2,4.8		
MOS	X	30 07 12 30.5–1.1	4.51S	151.77E	174	5.2b,4.8		
NEIC	X	30 07 12 31.0–.48	4.56S	151.87E	168–4	5.1b,4.8		
GCMT	X	30 07 12 32.0–.20	4.60S–.01	152.00E–.01	162–1	5.3W,4.8		
DJA	X	30 07 12 35.4–1.6	5S–7.0	152E–11	215–10	5.7b,5.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c116; s125,c211;Duration: 1τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.02 $M_{\theta\theta}$-0.18±.03; $M_{\phi\phi}$-0.47±.03; $M_{r\theta}$0.60±.02; $M_{\theta\phi}$-0.13±.03; $M_{\phi r}$0.85±.02; Best double couple: NP1:ϕ_s33.00000°,δ75.00000°,λ94.00000°. NP2:ϕ_s197.00000°,δ15.00000°,λ74.00000°. Principal axes: T 1.2650,Plg59.0000° ,Azm309.0000°; N -0.1470,Plg4.0000°,Azm212.0000°; P -1.1180,Plg30.0000° ,Azm120.0000° $M_0$1.19100×10^{17}

(280) Banda Sea

ISC	**XI**	**01 03 31 25.6–.37**	**5.65S–.03**	**129.17E–.03**	**259–3**	**4.8b**	**720**	**1-161**
BJI	XI	01 03 31 18.1	6.04S	129.57E	239	4.8b,4.8b	**¶601867051**	
GCMT	XI	01 03 31 23.0–.30	5.41S–.02	129.04E–.02	268–3	5.2W,4.8b		
ISCJB	XI	01 03 31 24.5–.21	5.61S–.02	129.18E–.02	260–2	4.8b,4.8b		
NEIC	XI	01 03 31 25.0–.38	5.61S	129.14E	251–4	5.0b,4.8b		
MOS	XI	01 03 31 24.4–.98	5.58S	129.12E	258	4.9b,4.8b		
DJA	XI	01 03 31 25.2–.10	6S–2.0	129E–1.0	245–2	6.0,5.5b		
IDC	XI	01 03 31 26.9–.59	5.63S	129.16E	267–5	5.1,4.5		
KLM	XI	01 03 31 28.0	5.63S	129.07E	310	5.4b,4.5		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c40; s63,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.07±.30 $M_{\theta\theta}$-6.69±.24; $M_{\phi\phi}$5.62±.30; $M_{r\theta}$2.01±.27; $M_{\theta\phi}$2.91±.27; $M_{\phi r}$-1.65±.35; Best double couple: NP1:ϕ_s327.00000°,δ89.00000°,λ-160.00000°. NP2:ϕ_s237.00000°,δ70.00000°,λ-1.00000°. Principal axes: T 6.5420,Plg13.0000° ,Azm100.0000°; N 1.4060,Plg70.0000°,Azm331.0000°; P -7.9480,Plg15.0000° ,Azm194.0000° $M_0$7.24500×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=152.1.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=57.0.
MOS Error ellipse: s-maj=10.1km s-min=5.9km az=110.8.
IDC Error ellipse: s-maj=10.1km s-min=6.2km az=73.0.

(277) Jawa

ISC	**XI**	**01 14 12 01.9–.22**	**6.75S–.03**	**107.48E–.03**	**149–1**	**5.5b**	**1675**	**0-179**
BJI	XI	01 14 12 00.0	6.80S	107.50E	140	5.4b,5.4b	**¶601867660**	
MOS	XI	01 14 12 00.9–1.1	6.54S	107.63E	146	5.4b,4.6s		
GCMT	XI	01 14 12 01.8–.10	7.06S–.01	107.59E–.01	147–0	5.7W,4.6s		
IDC	XI	01 14 12 01.8–.20	6.68S	107.60E	143–1	5.6,5.2		
NEIC	XI	01 14 12 01.8–.42	6.76S	107.53E	142–3	5.9,5.8b		
DJA	XI	01 14 12 01.6–.10	7S–2.0	107E–1.0	142–1	6.8,6.2b		
ISCJB	XI	01 14 12 01.0–.21	6.76S–.02	107.52E–.02	153–1	5.4b,6.2b		
NEIC	XI	01 14 12 01.0–.00	7.02S	107.50E	140	5.4b,6.2b		
KLM	XI	01 14 12 02.0	7.09S	107.26E	149	5.9b,6.2b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=123.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c259; s131,c320; Duration: 1τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$-0.65±.05; $M_{\phi\phi}$-0.91±.05;

$M_{rθ}$-4.12±.03; $M_{θθ}$-0.02±.05; $M_{θr}$-1.22±.04; Best double couple: NP1:$φ_s$253.00000° ,δ83.00000°,λ91.00000°. NP2:$φ_s$64.00000°,δ7.00000°,λ81.00000°. Principal axes: T 4.8800,Plg52.0000°,Azm164.0000°; N -0.8810,Plg1.0000°,Azm73.0000° ; P -4.0030,Plg38.0000°,Azm342.0000° $M_0$4.44200×10^{17}

IDC Error ellipse: s-maj=6.6km s-min=5.3km az=56.0.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.3km az=48.0. Felt [IV] at Cianjur, [III] at Bandung and [II] at Jakarta and Palmerah. Felt throughout western Java. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}1.80 $M_{θθ}$-0.71 $M_{φφ}$-1.08 $M_{rθ}$-4.09 $M_{θφ}$-0.09 $M_{φr}$-0.88 Best double couple: NP1:$φ_s$257.00000°,δ81.00000°,λ92.00000°. NP2:$φ_s$61.00000°,δ9.00000°,λ75.00000°. Principal axes: T 4.8900,Plg54.0000° ,Azm169.0000°; N -1.0200,Plg2.0000°,Azm76.0000°; P -3.8700,Plg36.0000°,Azm345.0000° $M_0$4.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:$φ_s$75.00000°,δ1.00000°,λ90.00000°. NP2:$φ_s$255.00000°,δ89.00000°,λ90.00000°. Principal axes: T Plg46.0000°,Azm165.0000°; N Plg0.0000°,Azm0.0000°; P Plg44.0000° ,Azm345.0000°

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=36.1.

NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}1.58 $M_{θθ}$-0.99 $M_{φφ}$-0.59 $M_{rθ}$-3.92 $M_{θφ}$-0.45 $M_{φr}$-1.20 Best double couple: NP1:$φ_s$252.00000° ,δ81.00000°,λ93.00000°. NP2:$φ_s$52.00000°,δ10.00000°,λ70.00000°. Principal axes: T 4.5200,Plg54.0000°,Azm166.0000°; N -0.3600,Plg3.0000°,Azm71.0000° ; P -4.1600,Plg35.0000°,Azm338.0000° $M_0$4.40000×10^{17}

(279) Flores Sea

ISC	XI	02 01 22 14.0–.23	7.82S–.03	121.67E–.03	278–1	5.0b	924 1-174
MOS	XI	02 01 22 12.7–1.1	7.70S	121.65E	272	5.0b	**¶601867843**
ISCJB	XI	02 01 22 13.7–.19	7.82S–.02	121.65E–.02	285–2	5.0b	
BJI	XI	02 01 22 13.0	7.80S	121.60E	273	4.8b,4.8b	
NEIC	XI	02 01 22 14.0–.09	7.79S	121.64E	275	5.3b,4.8b	
IDC	XI	02 01 22 14.4–.32	7.79S	121.73E	278–3	5.4,4.8	
DJA	XI	02 01 22 14.5–.10	8S–2.0	122E–1.0	269–1	6.2,6.0b	
GCMT	XI	02 01 22 15.0–.10	7.86S–.01	121.68E–.01	283–1	5.6W,6.0b	

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c187; s118,c205;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82±.04 $M_{θ2}$.69±.04; $M_{φφ}$-1.87±.04; $M_{rθ}$-1.05±.04; $M_{θφ}$1.42±.04; $M_{φr}$1.65±.04; Best double couple: NP1:$φ_s$114.00000°,δ73.00000°,λ-33.00000°. NP2:$φ_s$215.00000°,δ59.00000°,λ-160.00000°. Principal axes: T 3.1880,Plg9.0000° ,Azm167.0000°; N 0.3860,Plg54.0000°,Azm270.0000°; P -3.5740,Plg35.0000°,Azm71.0000° $M_0$3.38100×10^{17}

(117) Southern Peru

ISC	XI	04 06 37 36.4–.28	15.98S–.03	72.03W–.04	122–2	5.4b	1370 1-173
ISCJB	XI	04 06 37 32.6–.38	15.80S–.02	72.00W–.03	95–3	5.4b	**¶601870073**
MOS	XI	04 06 37 34.2–1.2	15.78S	72.06W	104	5.5b	
ARE	XI	04 06 37 35.0–.00	15.99S	72.28W	116	5.5b	
GUC	XI	04 06 37 36.5–.38	16.59S	72.35W	160–25	5.4L,5.1W	
BJI	XI	04 06 37 36.4	15.82S	72.67W	122	5.2b,5.1W	
GCMT	XI	04 06 37 37.3–.20	16.07S–.01	72.18W–.01	134–0	5.5W,5.1W	
IDC	XI	04 06 37 37.1–.53	15.80S	71.81W	119–4	5.2,4.9	
NEIC	XI	04 06 37 38.3–.11	15.87S	71.88W	138	5.4b,5.1L	

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=154.6.

MOS Error ellipse: s-maj=7.9km s-min=4.7km az=102.7.

ARE Event type se.

GUC Error ellipse: s-maj=9.2km s-min=13.7km az=-1.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c153; s110,c191;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.03 $M_{θθ}$-0.06±.03; $M_{φφ}$0.51±.03; $M_{rθ}$0.33±.02; $M_{θφ}$-1.63±.03; $M_{φr}$-1.23±.03; Best double couple: NP1:$φ_s$360.00000°,δ85.00000°,λ-39.00000°. NP2:$φ_s$94.00000°,δ51.00000°,λ-174.00000°. Principal axes: T 2.3660,Plg23.0000° ,Azm53.0000°; N -0.6210,Plg51.0000°,Azm174.0000°; P -1.7440,Plg30.0000° ,Azm309.0000° $M_0$2.05500×10^{17}

IDC Error ellipse: s-maj=9.6km s-min=8.1km az=63.0.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=68.0. Felt [IV] at Aplao and [III] at Arequipa, Camana, Mollendo and Ocona.

(207) Eastern New Guinea region

ISC	XI	07 23 42 19.0–.28	8.66S–.03	148.08E–.04	115–2	5.5b	630 1-153
BJI	XI	07 23 42 14.8	8.56S	148.56E	108	5.5b,5.3b	**¶601880075**
ISCJB	XI	07 23 42 17.8–.50	8.63S–.02	148.02E–.02	115–4	5.5b,5.3b	
IDC	XI	07 23 42 18.9–.30	8.63S	148.07E	112–2	5.4,5.1	
NEIC	XI	07 23 42 19.5–.53	8.65S	148.03E	118–5	5.5b,5.1	
MOS	XI	07 23 42 19.2–1.0	8.57S	147.91E	124	5.3b,5.1	
GCMT	XI	07 23 42 20.5–.30	8.58S–.02	147.98E–.02	133–4	5.6W,5.1	
DJA	XI	07 23 42 23.4–.50	9S–3.0	148E–4.0	142–5	7.2,5.8b	

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [II] at Port Moresby. Also felt at Lae.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c38; s107,c157;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.12 $M_{θθ}$-2.18±.13; $M_{φφ}$1.25±.14; $M_{rθ}$-1.77±.08; $M_{θφ}$-0.77±.13; $M_{φr}$1.29±.07; Best double couple: NP1:$φ_s$296.00000°,δ78.00000°,λ129.00000°. NP2:$φ_s$40.00000°,δ40.00000°,λ18.00000°. Principal axes: T 3.0040,Plg43.0000° ,Azm243.0000°; N -0.0180,Plg38.0000°,Azm107.0000°; P -2.9890,Plg24.0000° ,Azm357.0000° $M_0$2.99700×10^{17}

(153) South Sandwich Islands region

ISC	XI	09 09 54 39.5–.47	56.47S–.06	27.53W–.05	116–3	5.2b	388 6-175
MOS	XI	09 09 54 37.1–.96	56.45S	27.43W	101	5.1b	**¶601882619**
ISCJB	XI	09 09 54 37.9–1.3	56.35S–.05	27.36W–.09	112–12	5.2b	
GCMT	XI	09 09 54 38.8–.20	56.57S–.01	27.06W–.02	105–1	5.3W	
BJI	XI	09 09 54 39.3	56.40S	27.40W	109	5.5b	
NEIC	XI	09 09 54 39.8–.92	56.39S	27.34W	116–7	5.2b	
IDC	XI	09 09 54 40.9–1.1	56.38S	27.31W	126–8	5.1,4.7	

ISC Event type se.

MOS Error ellipse: s-maj=19.5km s-min=10.2km az=106.3.

ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=139.1.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c117; s106,c171;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.02 $M_{θθ}$-0.33±.02; $M_{φφ}$-0.13±.02; $M_{rθ}$-0.59±.01; $M_{θφ}$-0.67±.02; $M_{φr}$0.03±.01; Best double couple: NP1:$φ_s$262.00000°,δ71.00000°,λ129.00000°. NP2:$φ_s$13.00000°,δ43.00000°,λ28.00000°. Principal axes: T 0.9220,Plg48.0000° ,Azm214.0000°; N 0.1240,Plg37.0000°,Azm67.0000°; P -1.0450,Plg17.0000°,Azm324.0000° $M_0$0.98400×10^{17}

NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=46.0.

IDC Error ellipse: s-maj=13.0km s-min=9.8km az=57.0.

(116) Central Peru

ISC	XI	10 14 57 50.2–.22	8.94S–.03	75.09W–.03	129–1	6.0b	2207 3-175
MOS	XI	10 14 57 47.0–.92	8.78S	75.16W	104	6.1b	**¶601883740**
ISCJB	XI	10 14 57 47.7–.39	8.79S–.01	75.15W–.02	114–3	6.0b	
BJI	XI	10 14 57 47.7	8.91S	75.12W	120	6.0b	
ARE	XI	10 14 57 49.0–.00	8.88S	75.19W	135	6.0b	
NEIC	XI	10 14 57 49.0–.00	8.71S	74.64W	120	6.0b	
IDC	XI	10 14 57 50.7–.27	8.86S	75.10W	127–2	5.8,5.5	
GCMT	XI	10 14 57 50.7–.10	8.88S–.01	75.17W–.01	133–0	6.0W,5.5	
NEIC	XI	10 14 57 50.7–.09	8.87S	75.07W	129	6.0L,6.0W	
NEIC	XI	10 14 58 05.7–.00	8.96S	74.81W	105	6.0L,6.0W	

ISC Event type fe.

MOS Error ellipse: s-maj=6.1km s-min=4.1km az=87.2.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=152.6.

ARE Event type se.

NEIC Event type se. Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.15 $M_{θθ}$0.33 $M_{φφ}$0.82 $M_{rθ}$0.02 $M_{θφ}$0.48 $M_{φr}$0.14 Best double couple: NP1:$φ_s$209.00000° ,δ48.00000°,λ-93.00000°. NP2:$φ_s$34.00000°,δ42.00000°,λ-85.00000°. Principal axes: T 1.1200,Plg3.0000°,Azm301.0000°; N 0.0300,Plg2.0000°,Azm211.0000° ; P -1.1600,Plg85.0000°,Azm79.0000° $M_0$1.10000×10^{18}

IDC Error ellipse: s-maj=6.9km s-min=5.2km az=70.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c283; s138,c382; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.24±.01 $M_{θθ}$0.15±.01; $M_{φφ}$1.09±.01; $M_{rθ}$-0.03±.01; $M_{θφ}$0.56±.01; $M_{φr}$0.32±.01; Best double couple: NP1:$φ_s$198.00000°,δ51.00000° ,λ-100.00000°. NP2:$φ_s$33.00000°,δ39.00000°,λ-78.00000°. Principal axes: T 1.3800,Plg6.0000°,Azm294.0000°; N -0.0860,Plg7.0000°,Azm204.0000° ; P -1.2900,Plg80.0000°,Azm63.0000° $M_0$1.33500×10^{18}

NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=67.0. Felt [V] at Aguaytia and Campoverde; [IV] at Huanuco; [III] at Cerro de Pasco and Lima. Felt in much of central Peru and as far as Chiclayo and the Cusco area. Also felt at Cruzeiro do Sul, Brazil. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.62 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s56 Moment tensor: Scale 10^{18} Nm; M_{rr}-1.04 $M_{θθ}$0.03 $M_{φφ}$1.01 $M_{rθ}$-0.02 $M_{θφ}$0.30 $M_{φr}$0.31 Best double couple: NP1:$φ_s$21.00000°,δ38.00000°,λ-81.00000°. NP2:$φ_s$190.00000°,δ53.00000°,λ-97.00000°. Principal axes: T 1.1400,Plg8.0000°,Azm285.0000°; N -0.0500,Plg6.0000°,Azm194.0000° ; P -1.0900,Plg81.0000°,Azm68.0000° $M_0$1.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:$φ_s$12.00000°,δ40.00000°,λ-96.00000°. NP2: $φ_s$200.00000°,δ50.00000°,λ-85.00000°. Principal axes: T Plg5.0000°,Azm286.0000° ; N Plg0.0000°,Azm0.0000°; P Plg84.0000°,Azm145.0000°

NEIC Event type se. Moment Tensor Solution. s69 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.24 $M_{θθ}$0.07 $M_{φφ}$1.17 $M_{rθ}$0.03 $M_{θφ}$0.28 $M_{φr}$0.26 Best double couple: NP1:$φ_s$192.00000° ,δ51.00000°,λ-92.00000°. NP2:$φ_s$15.00000°,δ39.00000°,λ-88.00000°. Principal axes: T 1.2600,Plg6.0000°,Azm283.0000°; N 0.0100,Plg1.0000°,Azm193.0000° ; P -1.2700,Plg84.0000°,Azm91.0000° $M_0$1.30000×10^{18}

(221) Kuril Islands

ISC	XI	11 23 16 42.8–.51	49.27N–.05	155.45E–.04	61–4	5.0b	568 1-153
KRSC	XI	11 23 16 39.6–1.8	49.16N	155.73E	81–30	5.8L	**¶601884083**
ISCJB	XI	11 23 16 41.8–.40	49.33N–.03	155.36E–.03	62–3	5.0b	
MOS	XI	11 23 16 42.0–.93	49.33N	155.36E	67	5.1b,4.6s	
BJI	XI	11 23 16 42.0	49.40N	155.20E	66	5.6b,5.5s	
NEIC	XI	11 23 16 44.3–.54	49.36N	155.21E	71–5	5.1b,5.5s	
IDC	XI	11 23 16 45.2–1.9	49.38N	155.22E	80–17	5.1s,5.1	

ISC Event type se.

KRSC Event type se. FELT [III-IV] at Severo-Kurilsk.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.4km az=148.5.

MOS Event type fe. Error ellipse: s-maj=8.1km s-min=3.0km az=73.4. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=152.0.

IDC Error ellipse: s-maj=12.0km s-min=7.7km az=143.0.

(135) Near coast of central Chile

ISC	XI	14 19 02 05.7–.23	29.18S–.03	71.39W–.03	62–1	6.2b	1931 1-179
ISCJB	XI	14 19 02 02.7–.42	28.98S–.02	71.24W–.03	46–4	6.2b,5.7s	**¶601901485**
GUC	XI	14 19 02 03.8–.75	29.24S	71.24W	82–4	6.2W,5.7L	
SJA	XI	14 19 02 03.9–1.2	29.10S	71.50W	64–9	6.0W,5.8L	
MOS	XI	14 19 02 04.1–1.2	29.04S	71.33W	53	6.4b,5.6s	
IDC	XI	14 19 02 06.0–.40	29.12S	71.33W	64–3	5.7,5.5	
BJI	XI	14 19 02 05.1	29.18S	71.21W	50	6.0,6.0s	
NEIC	XI	14 19 02 05.0–.00	29.06S	71.04W	60	6.0,6.0s	
NEIC	XI	14 19 02 06.1–.10	29.12S	71.19W	63	6.2W,6.2W	
GCMT	XI	14 19 02 07.1–.10	29.32S	71.66W	69–0	6.2W,6.2W	

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=177.0.

GUC Error ellipse: s-maj=2.0km s-min=8.7km az=-1.0.

SJA Error ellipse: s-maj=5.9km s-min=10.6km az=-1.0.

MOS Error ellipse: s-maj=9.6km s-min=5.7km az=98.2.

IDC Error ellipse: s-maj=10.8km s-min=8.3km az=74.0.

NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.95 $M_{θθ}$0.23 $M_{φφ}$0.72 $M_{rθ}$0.08 $M_{θφ}$0.15 $M_{φr}$-1.76 Best double couple: NP1:$φ_s$360.00000° ,δ77.00000°,λ-94.00000°. NP2:$φ_s$201.00000°,δ14.00000°,λ-69.00000°. Principal axes: T 1.8400,Plg32.0000°,Azm93.0000°; N 0.2300,Plg4.0000°,Azm0.0000° ; P -2.0700,Plg57.0000°,Azm263.0000° $M_0$2.00000×10^{18}

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=77.0. Felt [VI] at La Higuera; [V] at Alto del Carmen, Copiapo, Coquimbo, Freirina, Huasco, La Serena, Ovalle, Paiguano, Tierra Amarilla, Vallenar and Vicuna; [IV] at Andacollo, Caldera, Illapel, Monte Patria, Punitaqui, Rio Hurtado and Salamanca; [III] at Chanaral, Combarbala, Diego de Almagro, La Ligua, Paine, Papudo, Rancagua, Santiago, Taltal, Valparaiso, Vina del Mar and Zapallar. Felt widely in central Chile. Felt [III] at Cordoba, Mendoza and San Juan, Argentina. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.22 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{θθ}$0.48 $M_{φφ}$-0.18 $M_{rθ}$-0.43 $M_{θφ}$0.59 $M_{φr}$-2.24 Best double couple: NP1:$φ_s$14.00000° ,δ87.00000°,λ-107.00000°. NP2:$φ_s$274.00000°,δ17.00000°,λ-10.00000°. Principal axes: T 2.2900,Plg40.0000°,Azm119.0000°; N 0.1900,Plg17.0000°,Azm15.0000° ; P -2.4900,Plg45.0000°,Azm267.0000° $M_0$2.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:$φ_s$190.00000°,δ10.00000°,λ-90.00000°. NP2: $φ_s$10.00000°,δ80.00000°,λ-90.00000°. Principal axes: T Plg35.0000°,Azm100.0000° ; N Plg0.0000°,Azm0.0000°; P Plg55.0000°,Azm280.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c333; s138,c464; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.82±.01 $M_{θθ}$0.19±.01; $M_{φφ}$0.63±.02; $M_{rθ}$0.06±.01; $M_{θφ}$0.86±.01; $M_{φr}$-2.06±.01; Best double couple: NP1:$φ_s$4.00000°,δ79.00000° ,λ-111.00000°. NP2:$φ_s$248.00000°,δ23.00000°,λ-28.00000°. Principal axes: T 2.3060,Plg31.0000°,Azm111.0000°; N 0.0920,Plg21.0000°,Azm8.0000° ; P -2.3980,Plg51.0000°,Azm250.0000° $M_0$2.35200×10^{18}

(224) Hokkaido region

ISC	XI	16 13 08 03.1–.58	44.36N–.06	146.04E–.05	172–5	3.9b	120 0-83
ISCJB	XI	16 13 08 02.2–.28	44.38N–.04	146.06E–.05	176–2	4.0b	**¶601992254**
MOS	XI	16 13 08 02.6–1.2	45.00N	145.73E	147	4.0b	
SKHL	XI	16 13 08 03.7–.80	44.88N	146.00E	146–2	5.5s,4.9b	
IDC	XI	16 13 08 03.6–1.5	44.45N	145.99E	174–13	4.0,3.7	
JMA	XI	16 13 08 04.1–.20	44.23N	146.09E	170–2	3.6,3.7	

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=143.5.

MOS Error ellipse: s-maj=13.8km s-min=8.1km az=108.8.

IDC Error ellipse: s-maj=12.9km s-min=10.1km az=134.0.

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

(186) Vanuatu Islands

ISC	XI	17 02 51 23.9–.26	15.01S–.03	167.48E–.03	129–1	5.4b	904 7-169
MOS	XI	17 02 51 23.0–1.1	14.96S	167.42E	129	5.2b,4.7s	**¶601909898**
ISCJB	XI	17 02 51 23.0–.77	15.03S–.02	167.39E–.02	130–7	5.2b,4.7s	
NEIC	XI	17 02 51 23.4–.08	14.99S	167.46E	123	5.7W,5.6W	
BJI	XI	17 02 51 23.7	14.54S	167.56E	125	5.5b,5.3b	
IDC	XI	17 02 51 24.2–.38	15.01S	167.48E	129–3	5.4,5.0	
NEIC	XI	17 02 51 24.0–.00	14.93S	167.22E	120	5.4,5.0	
GCMT	XI	17 02 51 24.4–.10	15.02S–.01	167.28E–.01	120–0	5.7W,5.0	

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt at Luganville and Port-Olry. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}3.98 $M_{θθ}$0.71 $M_{φφ}$-4.69 $M_{rθ}$-0.50 $M_{θφ}$-0.38 $M_{φr}$1.34 Best double couple: NP1:$φ_s$194.00000°,δ37.00000°,λ105.00000°. NP2:$φ_s$355.00000° ,δ54.00000°,λ79.00000°. Principal axes: T 4.2700,Plg78.0000°,Azm225.0000° ; N 0.6400,Plg9.0000°,Azm2.0000°; P -4.9100,Plg8.0000°,Azm93.0000° $M_0$4.60000×10^{17}

NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{θθ}$0.37 $M_{φφ}$-3.35 $M_{rθ}$-0.51 $M_{θφ}$-0.32 $M_{φr}$0.24 Best double couple: NP1:$φ_s$354.00000° ,δ48.00000°,λ75.00000°. NP2:$φ_s$196.00000°,δ44.00000°,λ106.00000°. Principal axes: T 3.0900,Plg78.0000°,Azm193.0000°; N 0.2900,Plg11.0000°,Azm4.0000° ; P -3.3800,Plg1.0000°,Azm94.0000° $M_0$3.20000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c217; s139,c326; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.57±.03 $M_{θθ}$0.58±.04; $M_{φφ}$-4.14±.04; $M_{rθ}$-0.64±.03; $M_{θφ}$-0.45±.05; $M_{φr}$0.84±.04; Best double couple: NP1:$φ_s$353.00000°,δ52.00000° ,λ74.00000°. NP2:$φ_s$198.00000°,δ41.00000°,λ109.00000°. Principal axes: T 3.8060,Plg76.0000°,Azm209.0000°; N 0.4610,Plg12.0000°,Azm3.0000° ; P -4.2600,Plg6.0000°,Azm94.0000° $M_0$4.03300×10^{17}

(202) New Guinea

ISC	XI	18 19 18 26.3–.67	6.31S–.07	146.25E–.09	100	4.1b	36 3-154
ISCJB	XI	18 19 18 25.1–.62	6.32S–.05	146.25E–.07	100	4.0b	**¶601910098**
IDC	XI	18 19 18 26.2–1.9	6.30S	146.33E	100–16	4.3,4.1	
NEIC	XI	18 19 18 27.2–.83	6.27S	146.27E	110–7	4.2b,4.1	
DJA	XI	18 19 18 30.3–1.0	6S–7.0	146E–11	99–6	5.6b,5.0	

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

(259) Mindanao

ISC	XI	18 20 01 25.8–.42	5.97N–.03	125.87E–.04	125–3	5.0b	571 1-169
MAN	XI	18 20 01 22.6	5.82N	125.90E	135	5.8b,5.2s	**¶601909994**
KLM	XI	18 20 01 24.0	6.14N	126.10E	106	5.2b,5.2s	
IDC	XI	18 20 01 25.0–.60	5.95N	125.71E	116–4	5.1,4.8	

GCMT	XI	18 20 01 25.5–.20	5.94N–.02	126.04E–.02	112–3	4.9W,4.8	
DJA	XI	18 20 01 25.7–.30	6N–2.0	126E–2.0	115–2	5.9,5.5b	
ISCJB	XI	18 20 01 25.0–.22	6.00N–.01	125.89E–.02	129–2	5.0b,5.5b	
MOS	XI	18 20 01 26.2–1.2	5.97N	125.73E	143	4.9b,5.5b	
NEIC	XI	18 20 01 26.5–.61	5.98N	125.81E	128–6	5.1b,5.5b	

ISC Event type fe.
IDC Error ellipse: s-maj=11.4km s-min=6.7km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s84,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.09 $M_{\theta\theta}$0.46±.10; $M_{\phi\phi}$-2.75±.12; $M_{r\theta}$-0.98±.07; $M_{\theta\phi}$0.10±.11; $M_{\phi r}$1.60±.09; Best double couple: NP1:ϕ_s340.00000°,δ64.00000°,λ71.00000°. NP2:ϕ_s198.00000°,δ32.00000°,λ124.00000°. Principal axes: T 3.0740,Plg66.0000° ,Azm216.0000°; N 0.1820,Plg17.0000°,Azm349.0000°; P -3.2530,Plg17.0000°,Azm84.0000° $M_0$3.16400×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=168.5.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=76.0. Felt [II PIVS] at General Santos. Also felt at Davao.

(221) Kuril Islands

ISC	**XI**	**21 05 26 02.3–.70**	**44.99N–.05**	**148.46E–.06**	**134–5**	**4.2b**	**165**	**0-82**
NEIC	XI	21 05 25 59.7–.74	45.11N	148.40E	104–6	4.4b		**¶601993356**
IDC	XI	21 05 26 00.1–2.2	45.18N	148.37E	104–18	4.1,3.9		
MOS	XI	21 05 26 01.4–1.5	45.09N	148.48E	134	4.1b,3.9		
ISCJB	XI	21 05 26 01.9–.56	45.01N–.05	148.44E–.08	136–4	4.1b,3.9		
SKHL	XI	21 05 26 03.7–.60	44.96N	148.41E	126–4	6.0s,5.2b		
JMA	XI	21 05 26 05.3–.70	44.69N	148.40E	128	4.2,5.2b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.1km az=149.0.
IDC Error ellipse: s-maj=19.3km s-min=12.5km az=151.0.
MOS Error ellipse: s-maj=9.9km s-min=8.0km az=87.8.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.2km az=36.9.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.

(216) Mariana Islands

ISC	**XI**	**22 06 27 18.8–.52**	**13.56N–.05**	**144.80E–.06**	**136–5**	**4.6b**	**88**	**0-148**
BJI	XI	22 06 27 13.0	13.20N	145.11E	135	4.9b,4.6b		**¶601993631**
DJA	XI	22 06 27 15.6–1.1	14N–12	145E–13	136–3	5.9b,5.5		
IDC	XI	22 06 27 18.7–.42	13.68N	144.88E	136–3	4.4,4.1		
ISCJB	XI	22 06 27 19.4–.52	13.60N–.03	144.77E–.06	154–6	4.6b,4.1		
NEIC	XI	22 06 27 19.9–.49	13.61N	144.67E	142–5	4.7b,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=9.2km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.6km az=173.8.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=80.0. Felt [III] at Santa Rita. Also felt at Barrigada, Inarajan, Mangilao, Talofofo, Yigo and Yona. Felt on Saipan, Northern Mariana Islands.

(284) South of Bali

ISC	**XI**	**22 09 09 32.2–.54**	**8.97S–.04**	**115.11E–.04**	**79–4**	**4.9b**	**664**	**0-164**
BJI	XI	22 09 09 30.9	8.90S	115.20E	74	5.0b,5.0b		**¶601993661**
IDC	XI	22 09 09 31.5–1.5	8.89S	115.20E	71–12	4.9,4.7		
NEIC	XI	22 09 09 32.3–.44	8.92S	115.12E	78–3	5.0b,4.7		
MOS	XI	22 09 09 32.2–1.1	8.77S	115.17E	92	5.1b,4.7		
KLM	XI	22 09 09 32.0	9.47S	115.02E	36	4.9b,4.7		
ISCJB	XI	22 09 09 32.7–.29	8.98S–.03	115.04E–.02	98–2	4.8b,4.7		
DJA	XI	22 09 09 33.3–.20	9S–2.0	115E–1.0	67–3	5.6b,5.4		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Denpasar and Gianyar; [III] at Baturiti, Klungkung, Kuta, Tuban and Ubud; [II] at Nusadua. Also felt at Abiansemal, Blahbatuh, Kintamani and Tabanan.
ISCJB Event type fe.

(249) Luzon

ISC	**XI**	**23 04 52 40.4–.34**	**14.11N–.03**	**120.70E–.03**	**210–2**	**5.0b**	**866**	**0-177**
KLM	XI	23 04 52 38.0	14.05N	120.99E	209	5.1b		**¶601993866**
BJI	XI	23 04 52 38.6	14.01N	120.92E	218	5.0b,4.7b		
ISCJB	XI	23 04 52 39.6–.16	14.13N–.01	120.74E–.02	215–1	5.0b,4.7b		
MAN	XI	23 04 52 39.6	14.15N	120.57E	196	5.7b,5.0s		
MOS	XI	23 04 52 39.2–.87	14.10N	120.73E	212	5.1b,5.0s		
IDC	XI	23 04 52 40.7–.30	14.05N	120.76E	214–2	5.2,4.7		
GCMT	XI	23 04 52 40.0–.20	14.18N–.02	120.77E–.02	203–1	5.0W,4.7		
NEIC	XI	23 04 52 40.0–.27	14.07N	120.71E	209–2	5.1b,4.7		
DJA	XI	23 04 52 42.0–.50	14N–3.0	121E–3.0	225–6	5.8,5.3b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c54; s96,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.12 $M_{\theta\theta}$-4.41±.14; $M_{\phi\phi}$0.21±.16; $M_{r\theta}$-0.25±.12; $M_{\theta\phi}$0.42±.14; $M_{\phi r}$-2.07±.14; Best double couple: NP1:ϕ_s254.00000°,δ50.00000°,λ59.00000°. NP2:ϕ_s117.00000°,δ49.00000°,λ122.00000°. Principal axes: T 5.0890,Plg67.0000° ,Azm96.0000°; N -0.6440,Plg23.0000°,Azm275.0000°; P -4.4490,Plg0.0000°,Azm5.0000° $M_0$4.76900×10^{16}
NEIC Event type fe. Felt [II PIVS] at Nasugbu. Also felt at Dinalupihan.

(259) Mindanao

ISC	**XI**	**25 07 14 54.4–.56**	**5.64N–.03**	**126.54E–.05**	**63–4**	**4.7b**	**317**	**1-142**
MAN	XI	25 07 14 45.7	5.15N	126.81E	47	5.6b,4.9s		**¶601994321**
ISCJB	XI	25 07 14 53.6–.37	5.70N–.02	126.63E–.03	74–3	4.6b,4.9s		
BJI	XI	25 07 14 53.5	5.70N	126.26E	55	4.9b,4.6b		
IDC	XI	25 07 14 54.2–1.0	5.66N	126.49E	62–8	4.5,4.3		
MOS	XI	25 07 14 54.2–1.2	5.71N	126.47E	78	5.1b,4.3		
NEIC	XI	25 07 14 55.4–.62	5.70N	126.57E	81–6	4.8b,4.3		
DJA	XI	25 07 14 55.6–.40	6N–2.0	127E–2.0	70–3	5.4b,5.4		
KLM	XI	25 07 14 57.0	5.67N	126.75E	104	5.0b,5.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=169.0.
IDC Error ellipse: s-maj=14.6km s-min=6.7km az=71.0.
MOS Error ellipse: s-maj=11.4km s-min=6.8km az=112.5.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=68.0.

(263) Talaud Islands

ISC	**XI**	**27 20 30 35.6–.61**	**4.04N–.03**	**126.26E–.04**	**69–5**	**4.8b**	**336**	**1-146**
BJI	XI	27 20 30 31.8	3.73N	126.26E	70	5.1b,4.6b		**¶601994878**
MOS	XI	27 20 30 32.4–1.1	4.06N	126.21E	59	5.0b,4.6b		
KLM	XI	27 20 30 32.0	4.18N	126.60E	51	4.7b,4.6b		
IDC	XI	27 20 30 34.1–1.4	3.95N	126.09E	58–11	4.5,4.3		
ISCJB	XI	27 20 30 34.5–.36	4.06N–.02	126.30E–.03	78–3	4.6b,4.3		
DJA	XI	27 20 30 34.5–.50	4N–4.0	126E–2.0	10	5.0b,4.9		
NEIC	XI	27 20 30 36.0–.73	4.08N	126.30E	76–7	4.8b,4.9		
MAN	XI	27 20 30 36.7	4.14N	126.18E	69	5.5b,4.8s		

ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=5.5km az=114.6.
IDC Error ellipse: s-maj=17.1km s-min=7.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=163.7.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=68.0.

(111) Northern Peru

ISC	**XI**	**28 03 09 48.7–.23**	**4.60S–.03**	**76.13W–.03**	**122–1**	**5.9b**	**2143**	**3-177**
BJI	XI	28 03 09 45.0	4.50S	76.10W	110	5.8b		**¶606632429**
ARE	XI	28 03 09 45.0–.00	4.68S	76.26W	143	5.8b		
MOS	XI	28 03 09 47.6–.99	4.47S	76.18W	119	5.9b		
IDC	XI	28 03 09 48.9–.30	4.54S	76.14W	121–2	5.7,5.4		
GCMT	XI	28 03 09 48.7–.10	4.66S–.01	76.22W–.01	126–0	5.7W,5.4		
ISCJB	XI	28 03 09 48.3–.31	4.47S–.01	76.17W–.02	129–2	5.8b,5.4		
NEIC	XI	28 03 09 48.7–.43	4.52S	76.10W	118–3	5.9b,5.8L		
NEIC	XI	28 03 09 49.0–.00	4.51S	75.85W	120	5.9b,5.8L		
IGQ	XI	28 03 09 52.2–1.4	4S–14	77W–20	12	7.4b,7.1b		

ISC Event type fe.
ARE Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c234; s130,c302; Duration: 1ᵍ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.39±.03 $M_{\theta\theta}$-0.64±.04; $M_{\phi\phi}$4.03±.04; $M_{r\theta}$-0.93±.03; $M_{\theta\phi}$-1.27±.04; $M_{\phi r}$-0.54±.04; Best double couple: NP1:ϕ_s5.00000°,δ51.00000° ,λ-64.00000°. NP2:ϕ_s147.00000°,δ46.00000°,λ-118.00000°. Principal axes: T 4.3640,Plg2.0000°,Azm76.0000°; N -0.5890,Plg20.0000°,Azm167.0000° ; P -3.7790,Plg70.0000°,Azm340.0000° $M_0$4.07200×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Lagunas, Moyobamba and Yurimaguas. Felt at Cruzeiro do Sul, Brazil and at Cuenca and Malacatos, Ecuador. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.95 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$4.08 $M_{r\theta}$-1.04 $M_{\theta\phi}$-1.21 $M_{\phi r}$-0.50 Best double couple: NP1:ϕ_s1.00000°,δ49.00000°,λ-68.00000°. NP2:ϕ_s149.00000° ,δ46.00000°,λ-113.00000°. Principal axes: T 4.4000,Plg2.0000°,Azm75.0000° ; N -0.1100,Plg16.0000°,Azm166.0000°; P -4.2900,Plg74.0000°,Azm340.0000° $M_0$4.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$3.23 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.48 Best double couple: NP1:ϕ_s3.00000° ,δ50.00000°,λ-65.00000°. NP2:ϕ_s148.00000°,δ46.00000°,λ-116.00000°. Principal axes: T 3.4500,Plg1.0000°,Azm76.0000°; N 0.1300,Plg18.0000°,Azm167.0000° ; P -3.5800,Plg71.0000°,Azm340.0000° $M_0$3.50000×10^{17}

(280) Banda Sea

ISC	**XI**	**28 08 56 18.2–.24**	**5.34S–.03**	**131.17E–.03**	**71–1**	**5.8b**	**1472**	**1-167**
BJI	XI	28 08 56 11.8	5.76S	131.33E	58	5.8b,5.8b		**¶601994987**
MOS	XI	28 08 56 13.9–1.1	5.33S	131.09E	42	6.1b,4.9s		
ISCJB	XI	28 08 56 14.8–.38	5.40S–.02	131.11E–.02	55–3	5.7b,5.0s		
NEIC	XI	28 08 56 16.2–.39	5.40S	131.13E	50–3	5.9b,5.6W		
DJA	XI	28 08 56 17.3–.20	5S–2.0	131E–1.0	78–2	6.5,6.2b		
GCMT	XI	28 08 56 17.5–.10	5.33S–.01	131.17E–.01	70–0	5.7W,6.2b		
NEIC	XI	28 08 56 17.0–.00	5.30S	131.11E	70	5.7W,6.2b		
IDC	XI	28 08 56 19.5–.39	5.36S	131.14E	79–3	5.6,5.2		

ISC Event type fe.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=110.6.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=155.1.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=59.0. Felt [II] at Kaimana and Tual, Indonesia. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$1.63 $M_{r\theta}$0.39 $M_{\theta\phi}$1.42 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s67.00000°,δ69.00000° ,λ25.00000°. NP2:ϕ_s327.00000°,δ67.00000°,λ157.00000°. Principal axes: T 2.7700,Plg32.0000°,Azm287.0000°; N 0.2800,Plg58.0000°,Azm105.0000° ; P -3.0400,Plg1.0000°,Azm197.0000° $M_0$2.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c238; s126,c272; Duration: 1ᵍ7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.04 $M_{\theta\theta}$-4.03±.04; $M_{\phi\phi}$2.13±.04; $M_{r\theta}$-0.08±.05; $M_{\theta\phi}$-1.23±.04; $M_{\phi r}$1.68±.04; Best double couple: NP1:ϕ_s42.00000°,δ64.00000° ,λ33.00000°. NP2:ϕ_s296.00000°,δ60.00000°,λ150.00000°. Principal axes: T 3.8180,Plg41.0000°,Azm261.0000°; N 0.4580,Plg49.0000°,Azm76.0000° ; P -4.2760,Plg2.0000°,Azm169.0000° $M_0$4.04700×10^{17}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-3.06 $M_{\phi\phi}$1.09 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.23 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s46.00000° ,δ67.00000°,λ54.00000°. NP2:ϕ_s287.00000°,δ42.00000°,λ144.00000°. Principal axes: T 3.0900,Plg53.0000°,Azm271.0000°; N 0.6400,Plg32.0000°,Azm62.0000° ; P -3.7300,Plg14.0000°,Azm161.0000° $M_0$3.50000×10^{17}
IDC Error ellipse: s-maj=11.6km s-min=7.4km az=67.0.

(173) Tonga Islands

ISC	**XI**	**30 11 20 38.4–.37**	**18.96S–.04**	**175.51W–.04**	**203–3**	**5.1b**	**1141**	**5-174**
MOS	XI	30 11 20 35.9–.99	18.73S	175.59W	184	5.2b		**¶601995437**
ISCJB	XI	30 11 20 36.5–.56	18.81S–.02	175.60W–.02	192–5	5.1b		
BJI	XI	30 11 20 36.9	18.31S	175.56W	182	5.5b,5.4b		
NEIC	XI	30 11 20 38.4–.54	18.82S	175.60W	200–5	5.7W,5.1b		
IDC	XI	30 11 20 40.8–.52	18.93S	175.54W	225–4	5.6,5.1		
GCMT	XI	30 11 20 44.4–.10	18.87S–.01	175.15W–.01	233–0	5.6W,5.1		
WEL	XI	30 11 20 46.7–1.3	20S–14	175W–52	232–9	5.6W,5.1		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Neiafu. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.82 $M_{\theta\theta}$1.11 $M_{\phi\phi}$1.71 $M_{r\theta}$-1.60 $M_{\theta\phi}$1.29 $M_{\phi r}$-1.98 Best double couple: NP1:ϕ_s39.00000° ,δ66.00000°,λ-90.00000°. NP2:ϕ_s218.00000°,δ24.00000°,λ-91.00000°. Principal axes: T 3.7300,Plg21.0000°,Azm129.0000°; N 0.0800,Plg0.0000°,Azm219.0000° ; P -3.8100,Plg69.0000°,Azm309.0000° $M_0$3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c217; s132,c317; Duration: 1ᵍ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32±.03 $M_{\theta\theta}$1.14±.04; $M_{\phi\phi}$0.17±.04; $M_{r\theta}$-1.44±.03; $M_{\theta\phi}$1.18±.04; $M_{\phi r}$-2.74±.03; Best double couple: NP1:ϕ_s30.00000°,δ78.00000° ,λ-106.00000°. NP2:ϕ_s265.00000°,δ20.00000°,λ-37.00000°. Principal axes: T 3.6120,Plg31.0000°,Azm134.0000°; N -0.1560,Plg16.0000°,Azm34.0000° ; P -3.4570,Plg54.0000°,Azm280.0000° $M_0$3.53400×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(12) Alaska Peninsula

ISC	**XII**	**01 08 00 56.7–.23**	**58.54N–.03**	**154.30W–.02**	**93–1**	**5.6b**	**2265**	**0-162**
BJI	XII	01 08 00 55.6	58.69N	154.83W	95	5.6b,5.5b		**¶601995587**
MOS	XII	01 08 00 55.4–.83	58.66N	154.44W	92	5.6b,5.5b		
ISCJB	XII	01 08 00 56.0–.16	58.65N–.01	154.39W–.02	98–1	5.5b,5.5b		
IDC	XII	01 08 00 57.0–.40	58.69N	154.41W	91–3	5.6,5.3		
NEIC	XII	01 08 00 57.0–.00	58.43N	153.80W	100	5.6,5.3		
GCMT	XII	01 08 00 57.9–.10	58.51N–.01	154.21W–.01	107–1	5.4W,5.3		
AEIC	XII	01 08 00 57.9	58.42N	154.12W	92	5.5b,5.4W		
NEIC	XII	01 08 00 57.9–.00	58.42N	154.12W	92	5.5L,5.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=3.4km az=92.9.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=17.7.
IDC Error ellipse: s-maj=8.7km s-min=6.0km az=19.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ80.00000° ,λ52.00000°. NP2:ϕ_s317.00000°,δ39.00000°,λ164.00000°. Principal axes: T 1.1300,Plg42.0000°,Azm293.0000°; N 0.0500,Plg37.0000°,Azm66.0000° ; P -1.1800,Plg25.0000°,Azm177.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c191; s131,c252;Duration: 1ᵍ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.02 $M_{\theta\theta}$-0.76±.03; $M_{\phi\phi}$0.56±.03; $M_{r\theta}$1.01±.02; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$0.77±.01; Best double couple: NP1:ϕ_s65.00000°,δ85.00000°,λ54.00000°. NP2:ϕ_s328.00000°,δ36.00000°,λ172.00000°. Principal axes: T 1.6770,Plg39.0000° ,Azm303.0000°; N -0.2700,Plg36.0000°,Azm68.0000°; P -1.4070,Plg31.0000° ,Azm184.0000° $M_0$1.54200×10^{17}
NEIC Event type fe. Felt [III] at Anchorage, Eagle River and Homer and [II] at Kodiak. Also felt at Anchor Point, Chugiak, Egegik, Elemendorf AFB, Girdwood, King Salmon, Naknek, Ninilchik, Palmer and Soldotna. After AEIC. Moment Tensor Solution. Best double couple: NP1: ϕ_s329.00000°,δ29.00000°,λ179.00000°. NP2:ϕ_s59.00000°,δ90.00000°,λ61.00000°. Principal axes: T 1.5500,Plg39.0000°,Azm303.0000°; N -0.3000,Plg29.0000°,Azm59.0000° ; P -1.2500,Plg38.0000°,Azm175.0000°

(2) Southern Alaska

ISC	**XII**	**04 01 42 47.9–.20**	**61.27N–.02**	**150.82W–.02**	**68–1**	**5.7b**	**2379**	**0-171**
BJI	XII	04 01 42 43.3	61.24N	150.92W	57	5.8b,5.7b		**¶601996019**
MOS	XII	04 01 42 45.5–.93	61.32N	151.03W	60	5.9b,4.9s		
ISCJB	XII	04 01 42 46.5–.12	61.333N–.01	150.82W–.02	68–1	5.5b,4.9s		
NEIC	XII	04 01 42 48.0–.00	61.23N	150.72W	50	5.5b,4.9s		
AEIC	XII	04 01 42 48.5	61.24N	150.76W	62	5.8W,5.7W		
NEIC	XII	04 01 42 48.5–.00	61.24N	150.76W	62	5.8L,5.8W		
IDC	XII	04 01 42 48.5–.31	61.42N	151.01W	72–2	5.4,5.2		
GCMT	XII	04 01 42 50.5–.10	61.38N–.01	151.05W–.01	76–0	5.8W,5.2		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}2.41 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$1.42 $M_{r\theta}$0.22 $M_{\theta\phi}$2.38 $M_{\phi r}$3.55 Best double couple: NP1:ϕ_s328.00000° ,δ68.00000°,λ137.00000°. NP2:ϕ_s77.00000°,δ51.00000°,λ29.00000°. Principal axes: T 5.8200,Plg45.0000°,Azm285.0000°; N -0.8800,Plg42.0000°,Azm125.0000° ; P -4.9400,Plg10.0000°,Azm26.0000° $M_0$5.40000×10^{17}
NEIC Event type fe. Felt [V] at Anchorage, Cooper Landing and Willow; [IV] at Anchor Point, Chugiak, Eagle River, Elmendorf AFB, Fort Richardson, Girdwood, Kasilof, Kenai, Palmer, Seward, Soldotna, Sterling, Talkeetna and Wasilla; [III] at Fairbanks, Homer and Ninilchik; [II] at Kodiak and Valdez. Felt widely in central and southern Alaska. After AEIC. Moment Tensor Solution. s102 Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-3.69 $M_{\phi\phi}$1.22 $M_{r\theta}$0.39 $M_{\theta\phi}$2.04 $M_{\phi r}$2.74 Best double couple: NP1:ϕ_s324.00000°,δ63.00000°,λ138.00000°. NP2: ϕ_s76.00000°,δ54.00000°,λ34.00000°. Principal axes: T 4.9500,Plg48.0000°,Azm286.0000° ; N -0.4700,Plg42.0000°,Azm117.0000°; P -4.4800,Plg6.0000°,Azm22.0000° $M_0$4.70000×10^{17} Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}2.34 $M_{\theta\theta}$-4.28 $M_{\phi\phi}$1.95 $M_{r\theta}$0.08 $M_{\theta\phi}$1.86 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s70.00000°,δ54.00000° ,λ30.00000°. NP2:ϕ_s322.00000°,δ66.00000°,λ140.00000°. Principal axes: T 5.5500,Plg45.0000°,Azm281.0000°; N -0.6500,Plg44.0000°,Azm116.0000° ; P -4.9000,Plg7.0000°,Azm19.0000° $M_0$5.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c264; s136,c361; Duration: 1ᵍ9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.41±.05 $M_{\theta\theta}$-4.28±.06; $M_{\phi\phi}$2.87±.06;

$M_{r\theta}$0.17±.05; $M_{\theta\theta}$2.62±.05; $M_{\phi r}$3.46±.04; Best double couple: NP1:ϕ_s328.00000°,δ73.00000°,λ146.00000°. NP2:ϕ_s69.00000°,δ58.00000°,λ20.00000°. Principal axes:
T 6.1310,Plg36.0000°,Azm285.0000°; N -0.8410,Plg53.0000°,Azm124.0000°
; P -5.2900,Plg9.0000°,Azm22.0000° M_o5.71000×10^{17}

(136) Central Chile

ISC	**XII**	**05 16 25 32.7–.53**	**28.65S–.03**	**70.64W–.05**	**91–4**		**98**	**0-175**
IDC	XII	05 16 25 29.8–2.5	28.76S	70.40W	59–22	3.9,3.9		**¶601996087**
NEIC	XII	05 16 25 31.7–.47	28.64S	70.21W	75–5	4.6b,4.4L		
SJA	XII	05 16 25 31.9–.77	28.66S	70.66W	95–4	4.4L,4.0W		
BJI	XII	05 16 25 32.5	28.60S	70.00W	97	5.7b,4.0W		
GUC	XII	05 16 25 32.9–.59	28.77S	70.28W	81–5	4.4L,4.0W		
ISCJB	XII	05 16 25 32.4–.33	28.64S–.03	70.62W–.05	100–3	4.3b,4.0W		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Alto del Carmen, Copiapo, Tierra Amarilla and Vallenar.
ISCJB Event type fe.

(280) Banda Sea

ISC	**XII**	**07 02 05 00.3–.42**	**7.72S–.05**	**127.70E–.04**	**150**	**4.2b**	**72**	**4-151**
ISCJB	XII	07 02 04 58.7–.32	7.66S–.03	127.75E–.04	150	4.2b		**¶602005992**
NEIC	XII	07 02 05 00.3–1.1	7.64S	127.67E	152–10	4.4b		
IDC	XII	07 02 05 01.6–1.4	7.55S	127.54E	157–13	4.5,4.0		
DJA	XII	07 02 05 02.9–.20	8S–3.0	128E–2.0	137–5	6.2b,5.9		

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

(192) New Britain region

ISC	**XII**	**07 02 25 45.5–.46**	**5.34S–.04**	**151.55E–.05**	**100–4**	**5.0b**	**347**	**1-152**
BJI	XII	07 02 25 41.2	5.62S	151.78E	94	5.2b,4.9b		**¶602005583**
MOS	XII	07 02 25 44.7–.99	5.20S	151.41E	100	5.0b,4.9b		
ISCJB	XII	07 02 25 45.5–.73	5.30S–.03	151.39E–.03	105–6	4.9b,4.9b		
IDC	XII	07 02 25 45.7–.58	5.31S	151.54E	101–4	4.9,4.7		
NEIC	XII	07 02 25 46.5–.60	5.29S	151.43E	106–5	5.0b,4.7		
GCMT	XII	07 02 25 47.5–.30	5.36S–.02	151.47E–.02	115–3	5.0W,4.7		
DJA	XII	07 02 25 51.9–1.7	5S–7.0	151E–12	139–10	5.5b,5.2b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Lae, New Guinea.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c28; s90,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$-1.30±.14; $M_{\phi\phi}$1.77±.14; $M_{r\theta}$-1.08±.09; $M_{\theta\phi}$2.65±.13; $M_{\phi r}$1.74±.08; Best double couple: NP1:ϕ_s167.00000°,δ81.00000°,λ-147.00000°. NP2:ϕ_s72.00000°,δ58.00000°,λ-11.00000°. Principal axes: T 3.5630,Plg15.0000°
,Azm296.0000°; N 0.2680,Plg56.0000°,Azm181.0000°; P -3.8360,Plg29.0000°,Azm34.0000°
M_o3.70000×10^{16}

(159) North Island

ISC	**XII**	**07 18 19 07.9–.20**	**38.36S–.03**	**176.07E–.03**	**171–1**	**5.6b**	**1839**	**0-179**
NEIC	XII	07 18 19 06.3–.11	38.43S	176.07E	163	6.4W,6.3W		**¶602090156**
ISCJB	XII	07 18 19 06.8–.10	38.33S–.02	176.05E–.02	169–1	5.6b,6.3W		
BJI	XII	07 18 19 06.5	38.15S	176.06E	160	6.0b,5.7b		
IDC	XII	07 18 19 07.1–.23	38.32S	176.48E	172–2	5.7,5.3		
WEL	XII	07 18 19 07.4	38S–2.0	176E–2.0	168–3	5.7,5.3		
MOS	XII	07 18 19 07.5–1.4	38.14S	176.07E	171	5.6b,5.3		
NEIC	XII	07 18 19 08.0–.00	38.23S	176.17E	170	5.6b,5.3		
GCMT	XII	07 18 19 13.2–.10	38.31S	176.08E	165–0	6.3W,5.3		
NEIC	XII	07 18 19 26.4–.00	38.21S	176.09E	163	6.3W,5.3		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=135.0. Felt [IV] at Hastings, Napier and Wellington; [III] at Palmerston North; [II] at Auckland and Tauranga. Felt widely in northern New Zealand from Auckland on the North Island to Havelock and Nelson on the South Island. Apparent Stress 0.04 MPa. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.33 $M_{r\theta}$3.54 $M_{\theta\phi}$-1.87 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_s74.00000°,δ79.00000°,λ118.00000°. NP2:ϕ_s185.00000°,δ30.00000°,λ23.00000°.
Principal axes: T 4.4400,Plg49.0000°,Azm14.0000°; N -0.3900,Plg27.0000°,Azm248.0000°
; P -4.0600,Plg28.0000°,Azm142.0000° M_o4.30000×10^{18} Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ10.00000°,λ90.00000°. NP2:ϕ_s70.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm340.0000°
; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm160.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=157.8.
IDC Error ellipse: s-maj=11.3km s-min=8.2km az=22.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=93.1.
NEIC Event type se. Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.25 $M_{r\theta}$3.13 $M_{\theta\phi}$-1.46 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s75.00000°,δ81.00000°,λ118.00000°. NP2:ϕ_s181.00000°,δ29.00000°,λ18.00000°. Principal axes:
T 3.9200,Plg46.0000°,Azm13.0000°; N -0.6300,Plg27.0000°,Azm250.0000°
; P -3.2900,Plg30.0000°,Azm142.0000° M_o3.60000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c365; s150,c580;
Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}1.30±.02 $M_{\theta\theta}$0.22±.02; $M_{\phi\phi}$-1.52±.02; $M_{r\theta}$3.38±.02; $M_{\theta\phi}$-1.45±.02; $M_{\phi r}$0.58±.02; Best double couple: NP1:ϕ_s70.00000°,δ80.00000°,λ116.00000°. NP2:ϕ_s179.00000°,δ28.00000°,λ21.00000°. Principal axes:
T 4.2300,Plg48.0000°,Azm8.0000°; N -0.5410,Plg26.0000°,Azm245.0000°
; P -3.6870,Plg30.0000°,Azm139.0000° M_o3.95800×10^{18}
NEIC Event type se. Moment Tensor Solution. s62 Moment tensor: Scale 10^{18}Nm; M_{rr}1.07 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-1.62 $M_{r\theta}$2.76 $M_{\theta\phi}$-1.88 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s173.00000°,δ38.00000°,λ18.00000°. NP2:ϕ_s69.00000°,δ79.00000°,λ127.00000°. Principal axes:
T 3.7600,Plg43.0000°,Azm15.0000°; N -0.2000,Plg36.0000°,Azm241.0000°
; P -3.5500,Plg25.0000°,Azm131.0000° M_o3.60000×10^{18}

(207) Eastern New Guinea region

ISC	**XII**	**07 19 50 22.6–.45**	**7.66S–.03**	**147.01E–.03**	**133–3**	**5.5b**	**1092**	**2-160**
BJI	XII	07 19 50 17.7	7.80S	147.59E	131	5.6b,5.5b		**¶602030323**
MOS	XII	07 19 50 21.8–.84	7.60S	146.94E	134	5.4b,5.5b		
ISCJB	XII	07 19 50 21.3–.43	7.64S–.02	146.91E–.02	130–4	5.4b,5.5b		
IDC	XII	07 19 50 23.0–.67	7.69S	146.99E	133–6	5.4,5.1		
NEIC	XII	07 19 50 23.4–.41	7.66S	146.95E	140–3	5.5b,5.1		
DJA	XII	07 19 50 25.5–.50	8S–3.0	147E–3.0	151–4	5.8,5.8b		
GCMT	XII	07 19 50 25.4–.20	7.65S–.01	147.01E–.01	148–2	5.7W,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c63; s120,c209;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.09 $M_{\theta\theta}$-2.67±.09; $M_{\phi\phi}$2.66±.09; $M_{r\theta}$-1.36±.06; $M_{\theta\phi}$0.80±.08; $M_{\phi r}$2.29±.06; Best double couple: NP1:ϕ_s324.00000°,δ89.00000°,λ136.00000°. NP2:ϕ_s55.00000°,δ46.00000°,λ1.00000°. Principal axes: T 3.9810,Plg30.0000°
,Azm270.0000°; N -0.2740,Plg46.0000°,Azm143.0000°; P -3.7070,Plg28.0000°
,Azm18.0000° M_o3.84400×10^{17}

(221) Kuril Islands

ISC	**XII**	**08 08 30 50.8–.59**	**47.77N–.07**	**152.79E–.07**	**128**	**3.7b**	**81**	**4-77**
MOS	XII	08 08 30 48.9–.94	47.73N	152.82E	124	3.9b		**¶602390799**
ISCJB	XII	08 08 30 49.0–.41	47.73N–.06	152.83E–.08	128	3.8b		
SKHL	XII	08 08 30 49.5–.10	47.69N	152.86E	128–3	5.6s,5.2b		
JMA	XII	08 08 30 50.6–.50	46.38N	153.46E	115	4.1,5.2b		
IDC	XII	08 08 30 52.3–2.1	47.91N	152.60E	131–20	4.1,3.8		

ISC Event type ke.
MOS Error ellipse: s-maj=14.4km s-min=7.1km az=59.7.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=3.0km az=136.0.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=11.4km az=153.0.

(706) Northern Sumatera

ISC	**XII**	**10 12 04 01.4–.96**	**4.36N–.06**	**96.67E–.09**	**150**	**3.5b**	**23**	**1-50**
ISCJB	XII	10 12 04 00.4–.68	4.35N–.05	96.66E–.08	150	3.4b		**¶602390977**
IDC	XII	10 12 04 01.1–4.9	4.51N	96.70E	135–28	3.7,3.4		
DJA	XII	10 12 04 01.7–.60	4N–3.0	97E–5.0	136–5	5.6b,5.1		

ISC Event type ke.
ISCJB Event type ke.

(280) Banda Sea

ISC	**XII**	**10 16 53 09.5–.20**	**6.50S–.02**	**129.87E–.03**	**161–1**	**6.6b**	**2758**	**2-177**
MOS	XII	10 16 53 07.3–.98	6.53S	129.79E	150	6.6b		**¶605137262**
NEIC	XII	10 16 53 08.8–.08	6.53S	129.83E	155	7.2,7.1W		
BJI	XII	10 16 53 08.8	6.51S	129.78E	160	6.9b,6.5b		
ISCJB	XII	10 16 53 09.0–.27	6.55S–.01	129.85E–.01	167–2	6.5b,6.5b		
NEIC	XII	10 16 53 09.0–.00	6.52S	130.01E	160	6.5b,6.5b		
IDC	XII	10 16 53 10.3–.51	6.58S	129.82E	163–4	6.5,6.4		
DJA	XII	10 16 53 10.1–.20	7S–2.0	130E–1.0	161–2	7.6,7.3		
KLM	XII	10 16 53 14.0	6.52S	129.93E	197	7.0b,7.3		
GCMT	XII	10 16 53 14.8–.10	6.65S	129.83E	159–0	7.1W,7.3		
NEIC	XII	10 16 53 23.5–.00	6.57S	129.82E	148	7.1W,7.3		

ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=47.0. Felt [V] at Saumlaki; [IV] at Amahai, Dobo, Fakfak, Kaimana and Sorong; [III] at Ransiki, Indonesia. Felt [IV] at Dili, Timor-Leste. Also felt at Manatuto. Felt [IV] on Cox Peninsula and at Kununurra; [III] at Darwin, Humpty Doo-MacMinns Lagoon and Palmerston; [II] at Katherine, Australia. Also felt at Alice Springs, East Arnhem, Galiwinku, Howard Springs and Jabiru. Apparent Stress 0.18 MPa. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{19}Nm; M_{rr}1.13 $M_{\theta\theta}$-4.19 $M_{\phi\phi}$3.06 $M_{r\theta}$2.65 $M_{\theta\phi}$-0.34 $M_{\phi r}$3.47 Best double couple: NP1:ϕ_s307.00000°,δ40.00000°,λ168.00000°. NP2:ϕ_s46.00000°,δ83.00000°,λ51.00000°. Principal axes:
T 5.8900,Plg39.0000°,Azm281.0000°; N -0.2500,Plg39.0000°,Azm52.0000°
; P -5.6400,Plg27.0000°,Azm166.0000° M_o5.80000×10^{19} Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s302.00000°,δ51.00000°,λ167.00000°. NP2:ϕ_s40.00000°,δ80.00000°,λ40.00000°. Principal axes: T Plg35.0000°,Azm269.0000°
; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm165.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=140.5.
NEIC Event type se. Moment Tensor Solution. s70 Moment tensor: Scale 10^{19}Nm; M_{rr}0.99 $M_{\theta\theta}$-4.22 $M_{\phi\phi}$3.24 $M_{r\theta}$2.10 $M_{\theta\phi}$0.27 $M_{\phi r}$3.43 Best double couple: NP1:ϕ_s49.00000°,δ81.00000°,λ45.00000°. NP2:ϕ_s310.00000°,δ45.00000°,λ168.00000°. Principal axes:
T 5.9300,Plg37.0000°,Azm280.0000°; N -0.8500,Plg43.0000°,Azm57.0000°
; P -5.0800,Plg22.0000°,Azm171.0000° M_o5.60000×10^{19}
IDC Error ellipse: s-maj=7.9km s-min=6.2km az=76.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c428; s152,c761;
Duration: 8s6 Moment tensor: Scale 10^{19}Nm; M_{rr}1.03±.02 $M_{\theta\theta}$-4.45±.02; $M_{\phi\phi}$3.42±.02; $M_{r\theta}$1.81±.02; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$3.51±.01; Best double couple: NP1:ϕ_s48.00000°,δ80.00000°,λ43.00000°. NP2:ϕ_s309.00000°,δ48.00000°,λ166.00000°. Principal axes:
T 6.0640,Plg37.0000°,Azm278.0000°; N -0.9550,Plg46.0000°,Azm59.0000°
; P -5.1090,Plg20.0000°,Azm172.0000° M_o5.58700×10^{19}
NEIC Event type se. Moment Tensor Solution. s85 Moment tensor: Scale 10^{19}Nm; M_{rr}0.88 $M_{\theta\theta}$-4.08 $M_{\phi\phi}$3.20 $M_{r\theta}$1.79 $M_{\theta\phi}$0.29 $M_{\phi r}$3.29 Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ167.00000°. NP2:ϕ_s49.00000°,δ81.00000°,λ43.00000°. Principal axes:
T 5.7000,Plg36.0000°,Azm279.0000°; N -0.9600,Plg46.0000°,Azm59.0000°
; P -4.7400,Plg21.0000°,Azm173.0000° M_o5.20000×10^{19}

(280) Banda Sea

ISC	**XII**	**10 17 32 23.6–.60**	**6.72S–.04**	**130.85E–.05**	**150**	**3.9b**	**44**	**1-150**
DJA	XII	10 17 32 22.7–.50	7S–3.0	131E–4.0	148–7	5.8b,5.4		**¶602355585**
IDC	XII	10 17 32 23.8–2.1	6.46S	130.61E	94–20	4.3,4.0		
ISCJB	XII	10 17 32 24.7–.36	6.91S–.03	130.74E–.04	150	3.9b,4.0		
NEIC	XII	10 17 32 24.9–1.3	6.82S	130.68E	119–14	4.5b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=17.9km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=151.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.7km az=203.0.

(282) South of Jawa

ISC	**XII**	**11 21 37 34.4–.68**	**9.00S–.07**	**113.40E–.05**	**73**	**3.7b**	**35**	**1-93**
ISCJB	XII	11 21 37 33.8–.43	9.02S–.06	113.36E–.04	73	3.7b		**¶602036411**
DJA	XII	11 21 37 35.2–1.0	9S–5.0	113E–2.0	31–13	5.5b,5.1b		
KLM	XII	11 21 37 35.0	9.28S	113.31E	64	4.5b,5.1b		
IDC	XII	11 21 37 36.5–2.6	8.78S	113.45E	98–27	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=19.7.
IDC Error ellipse: s-maj=30.1km s-min=14.9km az=42.0.

(263) Talaud Islands

ISC	**XII**	**20 09 22 19.9–.64**	**5.13N–.04**	**125.48E–.08**	**207–5**	**3.7b**	**51**	**1-121**
ISCJB	XII	20 09 22 19.3–.40	5.15N–.04	125.50E–.08	215–4	3.6b		**¶602052572**
IDC	XII	20 09 22 20.4–.75	5.19N	125.44E	210–7	4.1,3.6		
DJA	XII	20 09 22 25.2–.70	5N–7.0	126E–4.0	178–5	5.7b,5.2		
MAN	XII	20 09 22 25.3	5.47N	125.50E	154	5.0b,3.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.5km az=162.1.
IDC Error ellipse: s-maj=23.2km s-min=8.7km az=78.0.

(706) Northern Sumatera

ISC	**XII**	**21 07 30 45.6–.46**	**1.04N–.04**	**98.73E–.04**	**71–3**	**4.5b**	**153**	**1-156**
NEIC	XII	21 07 30 40.8–.32	0.77N	98.41E	35	4.4b		**¶602054564**
IDC	XII	21 07 30 44.9–.54	1.00N	98.86E	69–4	4.3,4.1		
ISCJB	XII	21 07 30 45.4–.31	0.97N–.03	98.73E–.03	88–3	4.3b,4.1		
DJA	XII	21 07 30 46.8–.20	1N–2.0	99E–3.0	63–4	5.5b,5.0		
KLM	XII	21 07 30 48.0	1.01N	98.90E	26	4.7b,5.0		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.3km az=52.0.
IDC Error ellipse: s-maj=19.3km s-min=11.1km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=140.5.

(186) Vanuatu Islands

ISC	**XII**	**21 22 28 08.1–.19**	**14.36S–.03**	**167.28E–.03**	**198–1**	**6.0b**	**2275**	**8-169**
BJI	XII	21 22 28 06.5	14.40S	167.30E	200	6.8b,5.9b		**¶602090225**
ISCJB	XII	21 22 28 07.5–.57	14.33S–.02	167.26E–.01	202–5	5.9b,5.9b		
IDC	XII	21 22 28 07.7–.28	14.33S	167.36E	191–2	6.2,5.7		
MOS	XII	21 22 28 08.1–1.1	14.33S	167.26E	205	6.2b,5.7		
NEIC	XII	21 22 28 08.6–.07	14.34S	167.29E	201	6.7W,6.7W		
NEIC	XII	21 22 28 09.0–.00	14.28S	166.95E	210	6.7W,6.7W		
GCMT	XII	21 22 28 11.6–.00	14.31S	167.17E	199–0	6.7W,6.7W		
NEIC	XII	21 22 28 28.1–.00	14.31S	167.37E	198	6.7W,6.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=3.7.
IDC Error ellipse: s-maj=5.9km s-min=5.5km az=63.0.
MOS Error ellipse: s-maj=6.5km s-min=5.7km az=90.5.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=2.1km az=146.0. Felt at Sola. Moment Tensor Solution. s42 Moment tensor: Scale 10^{19}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.99 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.55 $M_{\phi r}$0.23 Best double couple: NP1:ϕ_s153.00000°,δ38.00000°,λ98.00000°. NP2:ϕ_s322.00000°,δ53.00000°,λ84.00000°. Principal axes: T 1.5000,Plg81.0000°,Azm202.0000°
; N -0.1300,Plg5.0000°,Azm326.0000°; P -1.3800,Plg8.0000°,Azm57.0000° M_o1.40000×10^{19}
NEIC Event type se. Moment Tensor Solution. s52 Moment tensor: Scale 10^{19}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.33 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s330.00000°,δ49.00000°,λ73.00000°. NP2:ϕ_s175.00000°,δ43.00000°,λ108.00000°. Principal axes:
T 1.2700,Plg77.0000°,Azm175.0000°; N -0.0700,Plg12.0000°,Azm341.0000°
; P -1.2000,Plg3.0000°,Azm72.0000° M_o1.20000×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c379; s140,c681;
Duration: 5s4 Moment tensor: Scale 10^{19}Nm; M_{rr}1.30±.00 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-1.19±.01; $M_{r\theta}$-0.35±.00; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.10±.00; Best double couple: NP1:ϕ_s333.00000°,δ50.00000°,λ74.00000°. NP2:ϕ_s178.00000°,δ42.00000°,λ109.00000°. Principal axes:
T 1.3820,Plg77.0000°,Azm183.0000°; N -0.1110,Plg12.0000°,Azm344.0000°
; P -1.2750,Plg4.0000°,Azm75.0000° M_o1.32800×10^{19}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{19}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.35 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s177.00000°,δ45.00000°,λ111.00000°. NP2:ϕ_s328.00000°,δ48.00000°,λ70.00000°. Principal axes:
T 1.3500,Plg75.0000°,Azm168.0000°; N -0.0400,Plg15.0000°,Azm341.0000°
; P -1.3100,Plg2.0000°,Azm72.0000° M_o1.30000×10^{19}

(296) Myanmar

ISC	**XII**	**22 16 41 46.2–.26**	**22.47N–.02**	**94.72E–.02**	**141–1**	**5.5b**	**1196**	**2-165**
BJI	XII	22 16 41 42.4	22.31N	94.58E	134	5.8b,5.7b		**¶602056587**
NEIC	XII	22 16 41 44.0–.00	22.23N	94.64E	130	5.8b,5.7b		
ISCJB	XII	22 16 41 44.6–.21	22.46N–.01	94.74E–.01	136–2	5.5b,5.7b		
MOS	XII	22 16 41 45.3–.87	22.46N	94.80E	147	5.6b,5.7b		
NEIC	XII	22 16 41 45.7–.45	22.44N	94.78E	134–4	5.5W,5.5W		
GCMT	XII	22 16 41 46.7–.10	22.29N–.01	94.80E–.01	142–0	5.5W,5.5W		
IDC	XII	22 16 41 46.1–.45	22.42N	94.78E	138–3	5.5,5.2		
NDI	XII	22 16 41 47.4–2.8	22.46N	94.72E	96	5.4b,5.4L		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$0.18 $M_{r\theta}$-1.69 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s259.00000°

,δ79.00000°,λ67.00000°. NP2:ϕ_s144.00000°,δ25.00000°,λ153.00000°. Principal axes:
T 2.1400,Plg50.0000°,Azm142.0000°; N -0.1300,Plg22.0000°,Azm263.0000°
; P -2.0100,Plg30.0000°,Azm7.0000° M_o2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=44.1.
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=116.5.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=46.0. Felt at Kani, Rangoon and Sittwe. Felt [V] at Chittagong and [III] at Dhaka and Narayanganj, Bangladesh. Felt [III] at Kolkata, India. Felt in much of Bangladesh and northeastern India. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.35 $M_{r\theta}$-1.26 $M_{\theta\phi}$1.00 $M_{\phi r}$-0.70
Best double couple: NP1:ϕ_s259.00000°,δ77.00000°,λ50.00000°. NP2:ϕ_s153.00000°
,δ42.00000°,λ160.00000°. Principal axes: T 2.0600,Plg44.0000°,Azm130.0000°
; N -0.2100,Plg39.0000°,Azm270.0000°; P -1.8600,Plg21.0000°,Azm18.0000°
M_o2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c166; s126,c263;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-1.25±.03; $M_{\phi\phi}$0.50±.03; $M_{r\theta}$-1.48±.02;
$M_{\theta\phi}$0.90±.03; $M_{\phi r}$-0.69±.02; Best double couple: NP1:ϕ_s256.00000°,δ78.00000°,λ55.00000°.
NP2:ϕ_s149.00000°,δ37.00000°,λ159.00000°. Principal axes: T 2.1880,Plg46.0000°
,Azm130.0000°; N -0.0560,Plg34.0000°,Azm264.0000°; P -2.1310,Plg24.0000°
,Azm12.0000° M_o2.15900×10^{17}
IDC Error ellipse: s-maj=6.6km s-min=5.0km az=46.0.
NDI Error ellipse: s-maj=9.9km s-min=10.5km az=-1.0.

(221) Kuril Islands

ISC	XII	24 11 05 08.4–.44	47.58N–.06	152.38E–.06	128	4.4b	253	4-85
BJI	XII	24 11 04 59.0	46.95N	152.67E	45	4.8b,4.4b	¶602057615	
SKHL	XII	24 11 05 05.0–.70	47.64N	152.41E	101–2	5.5s,5.0b		
MOS	XII	24 11 05 05.3–1.1	47.58N	152.56E	106	4.3b,5.0b		
IDC	XII	24 11 05 06.0–.67	47.52N	152.63E	104–5	4.1,4.0		
NEIC	XII	24 11 05 07.9–.50	47.61N	152.56E	116–4	4.6b,4.0		

ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=6.1km az=72.8.
IDC Error ellipse: s-maj=16.2km s-min=10.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.1km az=146.0.

(266) Northern Molucca Sea

ISC	XII	25 07 34 42.3–.36	1.10N–.03	125.52E–.04	62–2	5.4b	896	2-164
MOS	XII	25 07 34 38.2–1.0	1.16N	125.32E	37	5.5b,4.0s	¶602058098	
BJI	XII	25 07 34 40.6	1.10N	125.50E	62	5.3b,5.1b		
IDC	XII	25 07 34 41.6–.55	1.10N	125.37E	54–4	5.1,4.9		
NEIC	XII	25 07 34 41.2–.37	1.11N	125.46E	52–3	5.4b,4.9		
ISCJB	XII	25 07 34 44.2–.34	1.09N–.02	125.52E–.02	95–3	5.2b,4.9		
GCMT	XII	25 07 34 44.2–.10	1.02N–.01	125.61E–.01	67–1	5.2W,4.9		
DJA	XII	25 07 34 45.1–.20	1N–2.0	126E–1.0	85–2	5.7,5.6b		
KLM	XII	25 07 34 46.0	1.01N	125.69E	94	5.3b,5.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=111.5.
IDC Error ellipse: s-maj=13.7km s-min=9.0km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=63.0. Felt [III] at Bitung and Manado, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=164.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c142; s117,c191;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-0.16±.01; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.10±.01;
$M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.43±.01; Best double couple: NP1:ϕ_s22.00000°,δ60.00000°,λ79.00000°.
NP2:ϕ_s222.00000°,δ32.00000°,λ108.00000°. Principal axes: T 0.8690,Plg73.0000°
,Azm265.0000°; N 0.0740,Plg9.0000°,Azm27.0000°; P -0.9430,Plg14.0000°,Azm119.0000°
M_o0.90600×10^{17}

(207) Eastern New Guinea region

ISC	XII	26 02 24 32.5–.34	6.01S–.04	147.41E–.05	93–2	4.9b	238	3-154
BJI	XII	26 02 24 29.2	6.01S	147.77E	93	5.2b,4.8b	¶602058483	
ISCJB	XII	26 02 24 31.5–.64	5.95S–.02	147.36E–.04	95–6	4.9b,4.8b		
NEIC	XII	26 02 24 32.8–.62	5.91S	147.29E	96–5	5.1b,4.8b		
IDC	XII	26 02 24 32.2–.37	5.93S	147.38E	91–3	4.8,4.6		
GCMT	XII	26 02 24 33.8–.20	6.13S–.01	147.48E–.01	93–2	5.2W,4.6		
DJA	XII	26 02 24 35.1–.70	6S–4.0	147E–5.0	94–5	5.9,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c76; s103,c169;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96±.15 $M_{\theta\theta}$5.57±.14; $M_{\phi\phi}$-3.61±.17; $M_{r\theta}$-3.10±.10;
$M_{\theta\phi}$1.05±.17; $M_{\phi r}$3.25±.10; Best double couple: NP1:ϕ_s123.00000°,δ78.00000°,λ-45.00000°.
NP2:ϕ_s225.00000°,δ46.00000°,λ-163.00000°. Principal axes: T 6.6830,Plg20.0000°
,Azm181.0000°; N 0.0820,Plg43.0000°,Azm291.0000°; P -6.7660,Plg40.0000°,Azm73.0000°
M_o6.72500×10^{16}

(221) Kuril Islands

ISC	XII	28 12 30 40.7–.70	46.37N–.05	151.44E–.05	107–6	4.6b	448	3-87
NIED	XII	28 12 30 00	45.50N	151.50E	119	4.8W	¶602060891	
BJI	XII	28 12 30 35.8	46.62N	151.87E	100	5.0b,4.6b		
SKHL	XII	28 12 30 40.2–.60	46.22N	151.74E	117–8	5.9b,5.4s		
ISCJB	XII	28 12 30 40.8–.36	46.39N–.03	151.39E–.04	115–3	4.6b,5.4s		
NEIC	XII	28 12 30 41.4–.50	46.49N	151.22E	103–4	4.5b,5.4s		
IDC	XII	28 12 30 42.4–2.1	46.58N	151.23E	115–18	4.5,4.2		
MOS	XII	28 12 30 42.3–1.1	46.41N	151.35E	132	4.5b,4.2		
JMA	XII	28 12 30 45.4–.60	45.52N	151.47E	134	4.3,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ10.00000°,λ42.00000°.
NP2:ϕ_s80.00000°,δ83.00000°,λ97.00000°. M_o1.81000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.0km az=146.6.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=150.0.
IDC Error ellipse: s-maj=12.6km s-min=8.9km az=145.0.
MOS Error ellipse: s-maj=6.2km s-min=4.6km az=88.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.

(265) Minahassa Peninsula, Sulawesi

ISC	XII	28 17 32 17.8–.21	0.23S–.02	122.89E–.03	111–1	5.4b	1450	1-177
ISCJB	XII	28 17 32 17.4–.23	0.17S–.01	122.97E–.02	119–2	5.4b	¶602060900	
NEIC	XII	28 17 32 17.0–.00	0.35S	122.95E	120	5.4b		
MOS	XII	28 17 32 18.8–1.0	0.10S	122.89E	130	5.4b		
NEIC	XII	28 17 32 18.1–.09	0.15S	122.92E	112	5.5W,5.5W		
IDC	XII	28 17 32 18.5–.54	0.14S	122.84E	116–4	5.5,5.1		
DJA	XII	28 17 32 18.2–.10	0S–1.0	123E–1.0	101–2	5.9,5.8b		
KLM	XII	28 17 32 19.0	0.18S	123.04E	106	5.6b,5.8b		
GCMT	XII	28 17 32 20.1–.10	0.16S–.01	122.99E–.01	107–0	5.5W,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16
$M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.27 $M_{r\theta}$1.72 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s106.00000°
,δ74.00000°,λ105.00000°. NP2:ϕ_s243.00000°,δ22.00000°,λ49.00000°. Principal axes:
T 2.2300,Plg58.0000°,Azm37.0000°; N 0.0700,Plg14.0000°,Azm282.0000°
; P -2.3000,Plg27.0000°,Azm184.0000° M_o2.30000×10^{17}
NEIC Event type fe. Felt [III] at Luwuk. Also felt at Gorontalo and Kintom. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.38 $M_{r\theta}$1.65 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.74
Best double couple: NP1:ϕ_s116.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_s312.00000°
,δ17.00000°,λ106.00000°. Principal axes: T 2.1700,Plg61.0000°,Azm19.0000°
; N -0.0400,Plg4.0000°,Azm117.0000°; P -2.1300,Plg29.0000°,Azm210.0000°
M_o2.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c213; s124,c243;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.03 $M_{\theta\theta}$-1.43±.03; $M_{\phi\phi}$0.18±.03; $M_{r\theta}$1.52±.02;
$M_{\theta\phi}$-0.10±.03; $M_{\phi r}$-0.77±.02; Best double couple: NP1:ϕ_s109.00000°,δ72.00000°,λ107.00000°.
NP2:ϕ_s245.00000°,δ24.00000°,λ48.00000°. Principal axes: T 2.2130,Plg60.0000°
,Azm43.0000°; N -0.0690,Plg16.0000°,Azm284.0000°; P -2.1390,Plg25.0000°
,Azm186.0000° M_o2.17600×10^{17}

(280) Banda Sea

ISC	XII	29 08 33 18.5–.35	6.66S–.04	130.00E–.05	146	4.4b	113	2-134
BJI	XII	29 08 33 13.9	7.05S	130.29E	143	5.1b,4.6b	¶602062478	
ISCJB	XII	29 08 33 17.6–.23	6.64S–.03	129.99E–.03	146	4.4b,4.6b		
NEIC	XII	29 08 33 20.3–.62	6.52S	129.87E	155–7	4.6b,4.6b		
IDC	XII	29 08 33 20.0–1.9	6.53S	130.01E	156–19	4.5,4.1		
DJA	XII	29 08 33 20.7–.20	7S–2.0	130E–2.0	158–4	5.6b,5.2		

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

(718) Hindu Kush region

ISC	XII	29 17 50 52.6–.15	35.67N–.02	70.56E–.02	118–1	5.6b	1849	2-152
MOS	XII	29 17 50 51.6–.94	35.70N	70.63E	119	5.6b	¶602065113	
ISCJB	XII	29 17 50 51.3–.24	35.72N–.01	70.63E–.01	114–2	5.5b		
BJI	XII	29 17 50 52.1	35.83N	70.67E	111	5.3b,5.2b		
GCMT	XII	29 17 50 52.8–.10	35.57N–.01	70.43E–.01	120–0	5.6W,5.2b		
NEIC	XII	29 17 50 52.8–.09	35.71N	70.60E	117	5.6W,5.6b		
IDC	XII	29 17 50 53.3–.29	35.71N	70.61E	120–2	5.4,5.1		
NEIC	XII	29 17 50 53.0–.00	35.80N	70.55E	120	5.4,5.1		
NNC	XII	29 17 50 58.2–3.2	36.18N	70.47E	163–29	5.9,5.2b		

ISC Event type fe.
MOS Error ellipse: s-maj=4.2km s-min=2.8km az=126.9.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=8.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s116,c188; s120,c269;
Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-2.55±.03; $M_{\phi\phi}$0.70±.03;
$M_{r\theta}$1.24±.03; $M_{\theta\phi}$-0.32±.03; $M_{\phi r}$1.18±.02; Best double couple: NP1:ϕ_s60.00000°,δ66.00000°
,λ63.00000°. NP2:ϕ_s291.00000°,δ36.00000°,λ136.00000°. Principal axes:
T 2.7390,Plg60.0000°,Azm290.0000°; N 0.2420,Plg25.0000°,Azm72.0000°
; P -2.9820,Plg17.0000°,Azm170.0000° M_o2.86000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=191.0. Felt [IV] at Atati and Kabul and [III] at Jalalabad, Khak-e-Jabar and Mahmud-e-Raqi. Felt [III] at Abbottabad, Islamabad and Lahore, Pakistan. Felt in much of northeastern Afghanistan and northern Pakistan. Felt at Amritsar and Noida, India and at Dushanbe and Qarotegin, Tajikistan. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}2.40 $M_{\theta\theta}$-2.50 $M_{\phi\phi}$0.10 $M_{r\theta}$1.04 $M_{\theta\phi}$-0.66
$M_{\phi r}$1.33 Best double couple: NP1:ϕ_s275.00000°,δ34.00000°,λ123.00000°. NP2:ϕ_s57.00000°
,δ62.00000°,λ69.00000°. Principal axes: T 3.0900,Plg66.0000°,Azm288.0000°
; N -0.0900,Plg18.0000°,Azm67.0000°; P -3.0000,Plg15.0000°,Azm162.0000°
M_o3.00000×10^{17}
IDC Error ellipse: s-maj=7.3km s-min=4.8km az=18.0.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.41
$M_{\theta\theta}$-1.53 $M_{\phi\phi}$0.12 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.97 Best double couple: NP1:ϕ_s61.00000°
,δ67.00000°,λ68.00000°. NP2:ϕ_s286.00000°,δ31.00000°,λ123.00000°. Principal axes:
T 2.1000,Plg61.0000°,Azm297.0000°; N -0.2000,Plg19.0000°,Azm69.0000°
; P -1.9000,Plg19.0000°,Azm166.0000° M_o2.00000×10^{17}
NNC Event type se. Error ellipse: s-maj=25.3km s-min=22.3km az=25.0.

(259) Mindanao

ISC	XII	30 12 09 51.4–.77	6.07N–.04	125.94E–.08	150–7	3.3b	35	0-83
DJA	XII	30 12 09 43.4–.50	6N–4.0	126E–5.0	10	5.6b,5.1	¶602077267	
ISCJB	XII	30 12 09 49.6–.44	6.08N–.04	126.00E–.07	147–4	3.4b,5.1		
MAN	XII	30 12 09 50.8	6.15N	125.90E	157	4.6b,3.4L		
IDC	XII	30 12 09 51.2–.89	6.26N	126.20E	147–7	3.8,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=166.4.
IDC Error ellipse: s-maj=43.8km s-min=12.2km az=71.0.

MAJOR DEEP FOCUS EARTHQUAKES
h>300km,M>=5

(181) Fiji Islands region

ISC	VII	06 02 52 24.2–.48	17.65S–.06	178.42W–.05	583–5	4.7b	534	7-176
ISCJB	VII	06 02 52 22.1–.56	17.68S–.04	178.48W–.03	564–7	4.6b	¶601243239	
BJI	VII	06 02 52 23.7	17.60S	178.50W	583	5.1b,4.9b		
IDC	VII	06 02 52 24.0–.66	17.74S	178.43W	577–7	5.2,4.4		
NEIC	VII	06 02 52 24.5–.10	17.65S	178.53W	583	4.6b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=156.0.
IDC Error ellipse: s-maj=8.9km s-min=7.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=139.0.

(663) Sea of Okhotsk

ISC	VII	09 07 20 54.7–.28	49.13N–.03	147.42E–.03	560–2	5.0b	2329	4-157
BJI	VII	09 07 20 52.6	49.11N	147.42E	545	5.5b,5.1b	¶601258058	
ISCJB	VII	09 07 20 53.7–.14	49.21N–.02	147.32E–.02	553–1	5.0b,5.1b		
SKHL	VII	09 07 20 53.7–.80	48.88N	147.62E	568–37	5.9b,5.8s		
MOS	VII	09 07 20 53.5–.93	49.12N	147.38E	556	5.6b,5.8s		
IDC	VII	09 07 20 54.9–.53	49.18N	147.33E	560–5	5.6,4.8		
KRSC	VII	09 07 20 54.2–1.4	49.00N	147.86E	544–20	5.7L,4.8		
GCMT	VII	09 07 20 55.0–.30	49.12N	147.25E	556–2	5.4W,4.8		
NEIC	VII	09 07 20 55.0–.21	49.21N	147.26E	558–2	4.9b,4.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.5km az=159.4.
MOS Error ellipse: s-maj=5.6km s-min=3.8km az=71.3.
IDC Error ellipse: s-maj=5.7km s-min=4.5km az=122.0.
KRSC Event type se.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s67,c92;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.03
$M_{\theta\theta}$-0.10±.05; $M_{\phi\phi}$-0.24±.05; $M_{r\theta}$-1.02±.05; $M_{\theta\phi}$-0.28±.05; $M_{\phi r}$-1.07±.05; Best double couple:
NP1:ϕ_s224.00000°,δ82.00000°,λ92.00000°. NP2:ϕ_s28.00000°,δ8.00000°,λ75.00000°.
Principal axes: T 1.4780,Plg53.0000°,Azm136.0000°; N 0.1090,Plg2.0000°,Azm43.0000°
; P -1.5870,Plg37.0000°,Azm312.0000° M_o1.53200×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=161.0.

(220) Northwest of Kuril Islands

ISC	VII	09 07 22 44.4–.38	49.14N–.03	147.44E–.04	559–4	4.8b	765	4-154
SKHL	VII	09 07 22 41.0–1.3	49.09N	148.31E	563–28	5.7s,5.6b	¶601246373	
MOS	VII	09 07 22 43.5–1.5	49.10N	147.39E	558	4.9b,5.6b		
KRSC	VII	09 07 22 43.8–2.5	48.93N	147.63E	557–33	5.5L,5.6b		
IDC	VII	09 07 22 44.8–.61	49.20N	147.33E	562–6	5.2,4.4		
ISCJB	VII	09 07 22 44.0–.18	49.17N–.02	147.36E–.03	561–2	4.8b,4.4		
NEIC	VII	09 07 22 44.7–.24	49.22N	147.32E	558–2	4.8b,4.4		

ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=6.7km az=70.8.
KRSC Event type se.
IDC Error ellipse: s-maj=6.5km s-min=5.5km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.3km az=138.9.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=137.0.

(171) South of Fiji Islands

ISC	VII	10 18 09 43.1–.37	23.50S–.04	179.67W–.05	546–3	4.9b	791	6-175
BJI	VII	10 18 09 40.9	23.23S	179.11W	539	4.9b,4.8b	¶601505967	
MOS	VII	10 18 09 41.0–.95	23.35S	179.84W	520	5.1b,4.8b		
NEIC	VII	10 18 09 42.8–.12	23.55S	179.78W	540	4.9b,4.8b		
ISCJB	VII	10 18 09 42.0–.44	23.47S–.03	179.88W–.03	536–6	4.8b,4.8b		
WEL	VII	10 18 09 42.0	23.55S	179.78W	540	4.8b,4.8b		
IDC	VII	10 18 09 43.5–.85	23.43S	179.81W	542–8	5.2,4.3		

ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=9.3km az=84.2.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.6km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=44.5.
WEL manual. confirmed.
IDC Error ellipse: s-maj=8.6km s-min=8.0km az=120.0.

(171) South of Fiji Islands

ISC	VII	11 10 17 28.0–.44	24.58S–.06	179.23E–.08	550	4.5b	157	5-168
BJI	VII	11 10 17 13.3	23.46S	178.98W	510	5.1b,4.8b	¶601505973	
NEIC	VII	11 10 17 14.4–1.6	23.68S	179.37W	506–16	4.6b,4.8b		
ISCJB	VII	11 10 17 27.4–.38	24.60S–.03	179.17E–.07	550	4.4b,4.8b		
IDC	VII	11 10 17 27.4–3.2	24.48S	179.21E	533–34	4.5,3.8		
WEL	VII	11 10 17 28.9–.00	25S–8.0	180W–29	632–17	4.5,3.8		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(181) Fiji Islands region

ISC	VII	13 04 50 42.8–.46	18.27S–.04	178.37W–.04	626–5	5.1b	1399	8-173
BJI	VII	13 04 50 40.6	17.91S	178.04W	616	5.2b,5.0b	¶601505987	
ISCJB	VII	13 04 50 41.0–.43	18.30S–.03	178.54W–.02	616–6	5.1b,5.0b		
MOS	VII	13 04 50 41.7–.92	18.15S	178.51W	616	5.2b,5.0b		
NEIC	VII	13 04 50 44.6–.08	18.27S	178.55W	644	5.1b,5.0b		
WEL	VII	13 04 50 44.0	18.27S	178.55W	644	5.1b,5.0b		
GCMT	VII	13 04 50 44.6–.30	18.27S	178.33W	645–2	5.2W,5.0b		
IDC	VII	13 04 50 44.9–.69	18.20S	178.45W	646–7	5.5,4.6		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=150.9.
MOS Error ellipse: s-maj=8.5km s-min=7.1km az=59.4.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.5km az=140.0.
WEL manual. confirmed.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s75,c114;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79±.03 $M_{\theta\theta}$0.79±.04; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$-0.41±.04; $M_{\theta\phi}$-0.15±.04; $M_{\phi r}$0.12±.05; Best double couple: NP1:ϕ_s103.00000°,δ59.00000°,λ-87.00000°. NP2:ϕ_s278.00000°,δ31.00000°,λ-94.00000°. Principal axes: T 0.9210,Plg14.0000°,Azm191.0000° ; N -0.0220,Plg2.0000°,Azm282.0000°; P -0.8990,Plg76.0000°,Azm21.0000° $M_0$0.91000×10^{17}
IDC Error ellipse: s-maj=9.7km s-min=8.6km az=139.0.

(181) Fiji Islands region

ISC	**VII**	**18 08 09 46.2–.22**	**20.85S–.03**	**178.41W–.03**	**539–2**	**5.5b**	**1987**	**8-176**
ISCJB	VII	18 08 09 43.7–.46	20.77S–.02	178.51W–.02	512–5	5.4b		**¶601506011**
BJI	VII	18 08 09 45.4	20.52S	178.00W	542	5.5b,5.4b		
MOS	VII	18 08 09 45.7–.83	20.68S	178.52W	533	5.5b,5.4b		
WEL	VII	18 08 09 46.0	20.87S	178.51W	537	5.5b,5.4b		
NEIC	VII	18 08 09 46.0–.00	20.64S	178.45W	540	5.5b,5.4b		
NEIC	VII	18 08 09 46.2–.38	20.87S	178.51W	537–4	6.0W,5.9W		
IDC	VII	18 08 09 46.8–.37	20.74S	178.44W	537–3	5.9,5.1b		
GCMT	VII	18 08 09 46.2–.10	20.78S	178.49W	544–0	5.9W,5.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.7km az=158.1.
MOS Error ellipse: s-maj=8.1km s-min=6.9km az=77.8.
WEL manual. confirmed.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.99 $M_{\theta\theta}$1.47 $M_{\phi\phi}$3.52 $M_{r\theta}$-4.72 $M_{\theta\phi}$3.24 $M_{\phi r}$-4.49 Best double couple: NP1:ϕ_s45.00000°,δ70.00000°,λ-83.00000°. NP2:ϕ_s205.00000°,δ21.00000°,λ-108.00000°. Principal axes: T 8.8900,Plg24.0000°,Azm129.0000°; N -0.7800,Plg6.0000°,Azm222.0000° ; P -8.1100,Plg64.0000°,Azm325.0000° $M_0$8.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=144.0. Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ72.00000°,λ-95.00000°. NP2:ϕ_s246.00000°,δ18.00000°,λ-75.00000°. Principal axes: T 1.0700,Plg27.0000°,Azm144.0000° ; N -0.0400,Plg5.0000°,Azm52.0000°; P -1.0300,Plg63.0000°,Azm313.0000°
IDC Error ellipse: s-maj=7.7km s-min=6.8km az=47.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s133,c279; s93,c101; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$0.36±.01; $M_{r\theta}$-0.59±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-0.45±.01; Best double couple: NP1:ϕ_s49.00000°,δ71.00000°,λ-82.00000°. NP2:ϕ_s204.00000°,δ20.00000°,λ-113.00000°. Principal axes: T 0.9460,Plg26.0000°,Azm133.0000°; N -0.0130,Plg8.0000°,Azm227.0000° ; P -0.9340,Plg63.0000°,Azm332.0000° $M_0$0.94000×10^{18}

(181) Fiji Islands region

ISC	**VII**	**20 14 03 13.1–.28**	**21.24S–.04**	**179.14W–.04**	**625–3**	**5.4b**	**1106**	**8-172**
ISCJB	VII	20 14 03 11.2–.42	21.24S–.03	179.28W–.02	607–6	5.3b		**¶601453281**
MOS	VII	20 14 03 11.6–.85	21.16S	179.26W	611	5.4b,4.1s		
BJI	VII	20 14 03 12.7	20.69S	179.07W	615	5.2b,5.1b		
WEL	VII	20 14 03 13.0	21.22S	179.29W	625	5.2b,5.1b		
GCMT	VII	20 14 03 13.8–.20	21.26S	179.30W	639–1	5.5W,5.1b		
NEIC	VII	20 14 03 13.8–.53	21.22S	179.29W	625–6	5.6W,5.6b		
IDC	VII	20 14 03 14.1–.40	21.22S	179.21W	629–4	5.6,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.9km az=165.2.
MOS Error ellipse: s-maj=8.8km s-min=8.0km az=76.0.
WEL manual. confirmed.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s97,c150; s18,c18; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.03 $M_{\theta\theta}$-0.02±.05; $M_{\phi\phi}$0.09±.05; $M_{r\theta}$-0.64±.05; $M_{\theta\phi}$0.11±.05; $M_{\phi r}$-2.17±.04; Best double couple: NP1:ϕ_s16.00000°,δ89.00000°,λ-92.00000°. NP2:ϕ_s245.00000°,δ2.00000°,λ-42.00000°. Principal axes: T 2.3000,Plg44.0000°,Azm108.0000°; N -0.0690,Plg2.0000°,Azm16.0000° ; P -2.2310,Plg46.0000°,Azm285.0000° $M_0$2.26600×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=163.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.07 $M_{r\theta}$-0.77 $M_{\theta\phi}$0.17 $M_{\phi r}$-2.59 Best double couple: NP1:ϕ_s196.00000°,δ89.00000°,λ93.00000°. NP2:ϕ_s301.00000°,δ3.00000°,λ15.00000°. Principal axes: T 2.8000,Plg46.0000°,Azm109.0000° ; N -0.2000,Plg3.0000°,Azm16.0000°; P -2.6000,Plg44.0000°,Azm283.0000° $M_0$2.70000×10^{17}
IDC Error ellipse: s-maj=7.5km s-min=7.1km az=33.0.

(280) Banda Sea

ISC	**VII**	**24 13 43 18.1–.49**	**6.47S–.04**	**126.60E–.06**	**475–5**	**4.7b**	**293**	**3-162**
BJI	VII	24 13 43 13.5	6.71S	126.96E	467	4.8b,4.5b		**¶601465931**
ISCJB	VII	24 13 43 17.2–.23	6.47S–.03	126.67E–.03	478–2	4.6b,4.5b		
NEIC	VII	24 13 43 17.4–.27	6.47S	126.62E	470–3	4.8b,4.5b		
MOS	VII	24 13 43 17.2–.92	6.45S	126.56E	474	4.7b,4.5b		
DJA	VII	24 13 43 18.7–.10	7S–2.0	127E–2.0	456–2	5.5,5.1b		
IDC	VII	24 13 43 18.4–1.3	6.47S	126.66E	476–14	5.0,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.2km az=173.9.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=69.0.
MOS Error ellipse: s-maj=15.4km s-min=6.3km az=103.8.
IDC Error ellipse: s-maj=15.1km s-min=7.1km az=76.0.

(171) South of Fiji Islands

ISC	**VII**	**26 06 12 12.6–.36**	**26.47S–.04**	**178.40W–.04**	**355–3**	**5.1b**	**942**	**3-172**
BJI	VII	26 06 12 07.0	26.55S	178.12W	321	5.4b,4.8b		**¶601472512**
ISCJB	VII	26 06 12 08.4–.45	26.38S–.03	178.61W–.02	319–4	5.1b,4.8b		
MOS	VII	26 06 12 11.4–.90	26.22S	178.60W	346	5.1b,4.8b		
NEIC	VII	26 06 12 12.4–.53	26.44S	178.61W	350–5	5.2b,4.8b		
IDC	VII	26 06 12 13.6–.48	26.25S	178.58W	358–4	5.4,4.7		
WEL	VII	26 06 12 15.0–.92	27S–10	176W–23	378–5	5.4,4.7		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(661) Primorye

ISC	**VII**	**29 09 20 55.0–.18**	**47.39N–.02**	**139.13E–.02**	**506–1**	**5.5b**	**3259**	**3-173**
NIED	VII	29 09 20 00	47.20N	139.50E	620	5.7W		**¶601488090**
JMA	VII	29 09 20 52.8–.20	47.19N	139.46E	528	5.7		
MOS	VII	29 09 20 53.3–.82	47.34N	139.17E	498	5.6b		
ISCJB	VII	29 09 20 53.1–.12	47.37N–.01	139.09E–.01	492–1	5.5b		
BJI	VII	29 09 20 53.4	47.35N	139.09E	498	6.0b,5.6b		
SKHL	VII	29 09 20 53.0–.90	47.26N	139.30E	504–8	6.6b,6.5s		
NEIC	VII	29 09 20 54.0–.00	47.26N	139.16E	510	6.6b,6.5s		
NEIC	VII	29 09 20 55.0–.06	47.38N	139.07E	502	5.7W,5.6W		
IDC	VII	29 09 20 55.1–.26	47.36N	139.10E	505–2	5.8,5.0		
GCMT	VII	29 09 20 55.0–.10	47.29N	138.90E	507–1	5.7W,5.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ32.00000°,λ36.00000°. NP2:ϕ_s212.00000°,δ72.00000°,λ117.00000°. $M_0$4.55000×10^{17}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=157.9.
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s214.00000°,δ52.00000°,λ106.00000°. NP2:ϕ_s8.00000°,δ41.00000°,λ70.00000°. Principal axes: T 3.1000,Plg75.0000°,Azm178.0000°; N -0.3000,Plg12.0000°,Azm23.0000° ; P -2.7900,Plg5.0000°,Azm292.0000° $M_0$3.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=146.0. Felt at Vostochnoye. Recorded [1 JMA] in south-central and northern Hokkaido, Japan. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}3.76 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.34 $M_{r\theta}$-2.33 $M_{\theta\phi}$-1.29 $M_{\phi r}$-0.99 Best double couple: NP1: ϕ_s218.00000°,δ60.00000°,λ119.00000°. NP2:ϕ_s350.00000°,δ41.00000°,λ50.00000°. Principal axes: T 5.0000,Plg63.0000°,Azm176.0000°; N -0.0500,Plg25.0000°,Azm23.0000° ; P -4.9500,Plg11.0000°,Azm288.0000° $M_0$5.00000×10^{17}
IDC Error ellipse: s-maj=4.8km s-min=4.3km az=69.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s123,c234; s61,c64; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}3.46±.05 $M_{\theta\theta}$0.83±.08; $M_{\phi\phi}$-4.29±.08; $M_{r\theta}$-2.05±.08; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$-1.23±.08; Best double couple: NP1:ϕ_s214.00000°,δ61.00000°,λ119.00000°. NP2:ϕ_s345.00000°,δ40.00000°,λ49.00000°. Principal axes: T 4.6310,Plg62.0000°,Azm171.0000°; N 0.1230,Plg25.0000°,Azm19.0000° ; P -4.7520,Plg11.0000°,Azm283.0000° $M_0$4.69200×10^{17}

(181) Fiji Islands region

ISC	**VIII**	**02 23 34 36.8–.66**	**15.84S–.08**	**177.56W–.07**	**419–7**	**4.5b**	**324**	**6-149**
BJI	VIII	02 23 34 32.6	15.80S	177.60W	381	5.0b,4.5b		**¶601513203**
ISCJB	VIII	02 23 34 34.4–.83	15.88S–.05	177.66W–.05	404–8	4.5b,4.5b		
NEIC	VIII	02 23 34 34.0–.36	15.84S	177.63W	386–3	4.5b,4.5b		
IDC	VIII	02 23 34 35.4–1.8	15.71S	177.62W	400–19	4.7,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=44.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=132.0.
IDC Error ellipse: s-maj=18.4km s-min=10.8km az=147.0.

(181) Fiji Islands region

ISC	**VIII**	**03 20 43 58.5–.28**	**19.70S–.05**	**179.07W–.05**	**668**	**4.5b**	**395**	**9-160**
BJI	VIII	03 20 43 56.0	19.70S	179.10W	648	5.0b,4.4b		**¶601518045**
ISCJB	VIII	03 20 43 57.5–.13	19.73S–.03	179.20W–.04	668	4.5b,4.4b		
NEIC	VIII	03 20 43 57.2–.43	19.65S	179.14W	645–5	4.6b,4.4b		
IDC	VIII	03 20 43 58.5–1.2	19.68S	179.11W	665–15	4.7,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=41.4.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=127.0.
IDC Error ellipse: s-maj=12.7km s-min=9.5km az=154.0.

(275) Java Sea

ISC	**VIII**	**04 10 54 58.1–.46**	**5.87S–.06**	**110.59E–.05**	**559–5**	**4.3b**	**136**	**1-158**
ISCJB	VIII	04 10 54 57.4–.20	5.82S–.04	110.64E–.04	566–2	4.2b		**¶601518147**
IDC	VIII	04 10 54 57.6–.60	5.77S	110.70E	551–7	4.6,3.7		
NEIC	VIII	04 10 54 58.5–.26	5.80S	110.64E	563–3	4.4b,3.7		
DJA	VIII	04 10 54 58.8–.20	6S–3.0	111E–3.0	549–2	5.2b,4.6		

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

(173) Tonga Islands

ISC	**VIII**	**05 00 21 24.4–.41**	**19.30S–.08**	**177.68W–.09**	**600**	**4.7b**	**158**	**8-172**
WEL	VIII	05 00 20 15.0	15.98S	173.97W	180	4.7b		**¶601520343**
NEIC	VIII	05 00 20 15.7–.78	15.98S	173.97W	180–11	4.9b		
BJI	VIII	05 00 20 15.0	15.90S	174.20W	173	5.0b,4.9b		
ISCJB	VIII	05 00 21 23.2–.42	19.44S–.05	177.72W–.08	600	4.5b,4.9b		
IDC	VIII	05 00 21 24.7–1.8	19.27S	177.70W	597–20	4.6,3.7		

ISC Event type se.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=172.5.
IDC Error ellipse: s-maj=11.2km s-min=10.3km az=155.0.

(181) Fiji Islands region

ISC	**VIII**	**05 13 55 11.0–.23**	**21.07S–.03**	**178.31W–.03**	**486–2**	**5.5b**	**1937**	**8-176**
ISCJB	VIII	05 13 55 07.5–.47	20.95S–.02	178.37W–.02	452–5	5.4b		**¶604029654**
NEIC	VIII	05 13 55 10.4–.07	21.15S	178.36W	484	5.9W,5.8W		
NEIC	VIII	05 13 55 10.0–.00	21.05S	178.25W	490	5.9W,5.8W		
IDC	VIII	05 13 55 10.3–.43	21.11S	178.31W	475–4	5.7,4.9		
WEL	VIII	05 13 55 10.0	21.15S	178.36W	484	5.7,4.9		
BJI	VIII	05 13 55 10.8	21.07S	178.30W	484	5.6b,5.5b		
MOS	VIII	05 13 55 11.4–.95	20.92S	178.43W	491	5.5b,5.5b		
GCMT	VIII	05 13 55 14.4–.10	21.03S–.01	178.26W–.01	491–0	5.8W,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.44 $M_{\theta\theta}$3.84 $M_{\phi\phi}$1.59 $M_{r\theta}$-5.21 $M_{\theta\phi}$0.47 $M_{\phi r}$-2.98 Best double couple: NP1:ϕ_s64.00000°,δ71.00000°,λ-95.00000°. NP2:ϕ_s260.00000°,δ20.00000°,λ-75.00000°. Principal axes: T 6.7600,Plg26.0000°,Azm159.0000°; N 1.6700,Plg5.0000°,Azm66.0000° ; P -8.4200,Plg63.0000°,Azm326.0000° $M_0$7.70000×10^{17}
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.69 $M_{\theta\theta}$1.77 $M_{\phi\phi}$1.92 $M_{r\theta}$-3.56 $M_{\theta\phi}$1.18 $M_{\phi r}$-2.65 Best double couple: NP1:ϕ_s51.00000°,δ71.00000°,λ-86.00000°. NP2:ϕ_s219.00000°,δ19.00000°,λ-100.00000°. Principal axes: T 5.2000,Plg26.0000°,Azm138.0000°; N 0.7100,Plg3.0000°,Azm229.0000° ; P -5.9200,Plg63.0000°,Azm326.0000° $M_0$5.60000×10^{17}
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s125,c261; s69,c73;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.63±.05 $M_{\theta\theta}$1.43±.09; $M_{\phi\phi}$2.20±.09; $M_{r\theta}$-4.25±.08; $M_{\theta\phi}$0.33±.08; $M_{\phi r}$-3.05±.08; Best double couple: NP1:ϕ_s51.00000°,δ76.00000°,λ-85.00000°. NP2:ϕ_s212.00000°,δ15.00000°,λ-108.00000°. Principal axes: T 5.1720,Plg31.0000° ,Azm137.0000°; N 1.5890,Plg5.0000°,Azm230.0000°; P -6.7620,Plg59.0000°,Azm328.0000° $M_0$5.96700×10^{17}

(220) Northwest of Kuril Islands

ISC	**VIII**	**06 07 17 03.6–.48**	**47.33N–.06**	**147.86E–.06**	**350**	**3.6b**	**89**	**2-152**
ISCJB	VIII	06 07 17 02.9–.30	47.47N–.03	147.80E–.08	350	3.6b		**¶601765541**
MOS	VIII	06 07 17 03.4–.85	47.45N	147.87E	368	4.0b		
SKHL	VIII	06 07 17 03.3–.70	47.31N	147.93E	363–30	5.0s,4.7b		
IDC	VIII	06 07 17 05.5–1.2	47.51N	147.75E	371–13	4.0,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=24.1.
MOS Error ellipse: s-maj=17.7km s-min=8.1km az=78.0.
IDC Error ellipse: s-maj=13.4km s-min=10.1km az=140.0.

(181) Fiji Islands region

ISC	**VIII**	**07 23 47 59.2–.34**	**17.58S–.07**	**178.93W–.06**	**500**	**4.5b**	**244**	**8-176**
ISCJB	VIII	07 23 47 58.3–.23	17.58S–.05	178.95W–.04	500	4.4b		**¶601532041**
BJI	VIII	07 23 47 58.7	17.60S	178.90W	511	5.0b,4.6b		
NEIC	VIII	07 23 48 00.2–.79	17.60S	178.88W	516–9	4.7b,4.6b		
IDC	VIII	07 23 48 00.3–1.3	17.59S	178.87W	513–14	4.8,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=148.5.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=150.0.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=156.0.

(220) Northwest of Kuril Islands

ISC	**VIII**	**08 05 57 19.4–.36**	**47.98N–.04**	**146.50E–.04**	**481–3**	**4.7b**	**1499**	**3-153**
NIED	VIII	08 05 57 00	47.50N	146.70E	620	4.9W		**¶601531857**
ISCJB	VIII	08 05 57 18.4–.18	48.16N–.03	146.40E–.02	471–2	4.6b		
MOS	VIII	08 05 57 18.9–.81	48.08N	146.43E	481	4.7b		
BJI	VIII	08 05 57 18.9	48.16N	146.31E	470	4.8b,4.7b		
SKHL	VIII	08 05 57 19.1–.50	47.94N	146.83E	496–20	5.2s,4.8b		
JMA	VIII	08 05 57 19.0–.50	47.52N	146.69E	523	4.6,4.8b		
IDC	VIII	08 05 57 20.1–.63	48.12N	146.46E	483–7	5.0,4.2		
NEIC	VIII	08 05 57 20.3–1.3	48.10N	146.43E	485–6	4.7b,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ39.00000°,λ57.00000°. NP2:ϕ_s200.00000°,δ58.00000°,λ114.00000°. $M_0$2.73000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.2km az=174.4.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=94.2.
JMA Error ellipse: s-maj=6.7km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=8.3km s-min=6.7km az=147.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.9km az=147.0.

(220) Northwest of Kuril Islands

ISC	**VIII**	**10 21 42 02.7–.55**	**47.86N–.05**	**145.78E–.06**	**487–6**	**3.6b**	**116**	**2-84**
JMA	VIII	10 21 42 01.9–.40	47.49N	145.61E	534	3.9		**¶601765737**
ISCJB	VIII	10 21 42 02.1–.28	47.93N–.03	145.70E–.07	492–3	3.6b		
SKHL	VIII	10 21 42 02.5–.70	47.88N	146.04E	499–30	5.1s,4.8b		
MOS	VIII	10 21 42 02.3–1.1	47.95N	145.60E	493	3.6b,4.8b		
IDC	VIII	10 21 42 02.9–.78	48.01N	145.54E	483–9	4.2,3.5		

ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.2km az=15.1.
MOS Error ellipse: s-maj=12.8km s-min=7.1km az=73.7.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=134.0.

(220) Northwest of Kuril Islands

ISC	**VIII**	**12 23 38 50.1–.33**	**48.03N–.04**	**148.12E–.04**	**421–3**	**4.3b**	**1222**	**3-152**
NIED	VIII	12 23 38 00	47.40N	148.50E	420	4.8W		**¶601554149**
ISCJB	VIII	12 23 38 48.9–.14	48.18N–.02	147.95E–.02	413–1	4.3b		
JMA	VIII	12 23 38 48.8–.40	47.42N	148.46E	474	4.8		
KRSC	VIII	12 23 38 48.5–1.1	47.44N	149.20E	442–23	5.3L		
SKHL	VIII	12 23 38 48.5–.40	47.99N	148.19E	418–17	5.3b,5.0s		
MOS	VIII	12 23 38 49.1–.84	48.14N	147.98E	416	4.3b,5.0s		
IDC	VIII	12 23 38 51.0–.50	48.22N	147.91E	422–5	4.7,4.0		

NEIC VIII 12 23 38 51.1–.30 48.24N 147.86E 422–3 4.5b,4.0
BJI VIII 12 23 38 53.6 48.20N 147.28E 432 4.7b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ34.00000°,λ37.00000°. NP2:ϕ_s210.00000°,δ70.00000°,λ119.00000°. $M_0$1.85000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=1.8km az=151.5.
JMA Error ellipse: s-maj=4.4km s-min=4.5km az=-1.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=66.1.
IDC Error ellipse: s-maj=7.6km s-min=5.4km az=147.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=158.0.

(663) Sea of Okhotsk

ISC	**VIII**	**14 02 59 38.9–.19**	**49.75N–.02**	**145.31E–.02**	**591–1**	**6.7b**	**3723**	**2-175**
NIED	VIII	14 02 59 00	49.20N	145.90E	660	7.7W		**¶601562030**
SKHL	VIII	14 02 59 35.9–.90	49.72N	145.72E	589–26	6.8s,6.7b		
JMA	VIII	14 02 59 36.2–.40	49.18N	145.88E	654	7.3,6.7b		
KRSC	VIII	14 02 59 36.5–1.0	49.57N	145.38E	604–15	7.7L,6.7b		
ISCJB	VIII	14 02 59 37.6–.12	49.76N–.01	145.13E–.01	586–1	6.7b,6.7b		
BJI	VIII	14 02 59 37.8	49.66N	145.41E	610	7.2b,6.7b		
MOS	VIII	14 02 59 37.8–.78	49.75N	145.17E	591	6.8b,6.7b		
NEIC	VIII	14 02 59 38.5–.20	49.80N	145.06E	583–2	7.7W,7.7W		
IDC	VIII	14 02 59 38.9–.37	49.78N	145.18E	586–4	7.0,6.1		
NEIC	VIII	14 02 59 42.0–.00	50.20N	145.58E	600	7.0,6.1		
GCMT	VIII	14 02 59 50.5–.10	49.97N–.01	145.70E–.01	598–1	7.7W,6.1		
NEIC	VIII	14 02 59 57.7–.00	49.52N	145.61E	623	7.7W,6.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ39.00000°,λ39.00000°. NP2:ϕ_s252.00000°,δ67.00000°,λ122.00000°. $M_0$3.66000×10^{20}
SKHL Event type fe. Felt (II) at Gornozavodsk. Felt (II) at Yuzhno-Kuril'sk, Yuzhno-Sakhalinsk, Korsakov, Aniva, Kholmsk, Nevel'sk. Felt (II-III) at Pil'vo, Smirnykh, Dolinsk, Mgachi; (II) at Nogliki, Khabarovsk, Okha. Felt (III) at Shakhtersk, Bykov, Starodubskoye, Aleksandrovsk-Sakhalinsky, Shebunino. Felt (III-IV) at Tymovskoye, Uglegorsk, Porona'sk; (III) at Makarov, Ado-Tymovo.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.8km az=-1.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=154.1.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=73.7. Fault plane solution: P-wave C160, D164 . Felt (III-IV) at Tymovskoye, Uglegorsk, Poronaisk; (III) at Makarov, Ado-Tymovo, Shakhtersk, Magadan, Shebunino, Starodubskoye, Aleksandrovsk-Sakhalinskiy, Bykov, Malokuril'skoye; (II-III) at Pil'vo, Smirnykh, Dolinsk, Mgachi, Sovetskaya Gavan', Boshnyakovo, Komsomol'sk-na-Amure, Udarnoye; (II) at Nogliki, Onor, Khabarovsk, Yuzhno-Kuril'sk, Okha, Nevel'sk, Korsakov, Yuzhno-Sakhalinsk, Kholmsk, Aniva, Gornozavodsk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s245.00000°,δ71.00000°,λ95.00000°. NP2: ϕ_s50.00000°,δ20.00000°,λ76.00000°. Principal axes: T Plg64.0000°,Azm163.0000° ; N Plg5.0000°,Azm63.0000°; P Plg26.0000°,Azm331.0000°
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=160.0. Felt [V] at Poronaysk and [III] at Yuzhno-Sakhalinsk, Russia. Also felt at Magadan, Yakutsk and in much of Sakhalin. Felt [III] at Misawa and Tokyo, Japan. Also felt in parts of Hokkaido and northern Honshu. Felt at Harbin, China. Recorded [3 JMA] in southern and eastern Hokkaido. Also recorded [3 JMA] in Aomori and Iwate, Honshu. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 8 seconds after the onset. Focal mechanism based on larger event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ35.00000°,λ48.00000°. NP2:ϕ_s230.00000°,δ65.00000°,λ115.00000°. Principal axes: T Plg62.0000°,Azm179.0000°; N Plg0.0000°,Azm0.0000°; P Plg16.0000°,Azm302.0000°
IDC Error ellipse: s-maj=4.9km s-min=4.0km az=118.0.
NEIC Event type se. Moment Tensor Solution. s66 Moment tensor: Scale 10^{20}Nm; M_{rr}3.46 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-1.91 $M_{r\theta}$-2.67 $M_{\theta\phi}$-2.26 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s243.00000° ,δ64.00000°,λ110.00000°. NP2:ϕ_s23.00000°,δ33.00000°,λ55.00000°. Principal axes: T 4.6300,Plg65.0000°,Azm188.0000°; N 0.0200,Plg18.0000°,Azm53.0000° ; P -4.6600,Plg16.0000°,Azm317.0000° $M_0$4.60000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s144,c407; s144,c397; Duration: 17$\hat{s}$8 Moment tensor: Scale 10^{20}Nm; M_{rr}3.84±.01 $M_{\theta\theta}$-1.87±.02; $M_{\phi\phi}$-1.97±.01; $M_{r\theta}$-2.74±.01; $M_{\theta\phi}$-2.15±.02; $M_{\phi r}$-0.51±.01; Best double couple: NP1:ϕ_s243.00000° ,δ63.00000°,λ108.00000°. NP2:ϕ_s27.00000°,δ33.00000°,λ59.00000°. Principal axes: T 4.9590,Plg67.0000°,Azm188.0000°; N -0.2430,Plg16.0000°,Azm54.0000° ; P -4.7160,Plg16.0000°,Azm320.0000° $M_0$4.83800×10^{20}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{20}Nm; M_{rr}3.77 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-1.93 $M_{r\theta}$-2.84 $M_{\theta\phi}$-2.34 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s242.00000° ,δ64.00000°,λ108.00000°. NP2:ϕ_s26.00000°,δ32.00000°,λ58.00000°. Principal axes: T 4.9600,Plg66.0000°,Azm186.0000°; N 0.0100,Plg16.0000°,Azm54.0000° ; P -4.9700,Plg17.0000°,Azm319.0000° $M_0$5.00000×10^{20}

(181) Fiji Islands region

ISC	**VIII**	**16 06 35 39.7–.35**	**18.48S–.04**	**177.76W–.04**	**570–3**	**5.0b**	**948**	**7-175**
BJI	VIII	16 06 35 37.5	18.07S	177.44W	549	5.0b,4.7b		**¶601564035**
ISCJB	VIII	16 06 35 37.7–.46	18.48S–.03	177.86W–.02	554–5	4.9b,4.7b		
MOS	VIII	16 06 35 37.6–1.0	18.37S	177.87W	548	5.0b,4.7b		
NEIC	VIII	16 06 35 38.8–.39	18.46S	177.86W	557–4	5.0b,4.7b		
IDC	VIII	16 06 35 39.8–.57	18.42S	177.82W	568–6	5.3,4.5		
GCMT	VIII	16 06 35 41.8–.60	18.51S–.06	177.44W–.06	565–3	5.4W,4.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s56,c70;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.06 $M_{\theta\theta}$0.71±.11; $M_{\phi\phi}$-0.07±.10; $M_{r\theta}$0.72±.10; $M_{\theta\phi}$0.79±.09; $M_{\phi r}$0.95±.10; Best double couple: NP1: ϕ_s215.00000°,δ74.00000°,λ-113.00000°. NP2:ϕ_s93.00000°,δ27.00000°,λ-36.00000°. Principal axes: T 1.7340,Plg26.0000°,Azm323.0000°; N -0.3830,Plg22.0000°,Azm222.0000° ; P -1.3500,Plg55.0000°,Azm97.0000° $M_0$1.54200×10^{17}

(262) Celebes Sea

ISC	**VIII**	**20 02 54 06.2–.46**	**2.36N–.04**	**122.39E–.05**	**510–5**	**4.5b**	**266**	**2-163**
MOS	VIII	20 02 54 04.5–1.0	2.44N	122.40E	504	4.5b		**¶601566540**
BJI	VIII	20 02 54 04.9	2.40N	122.50E	504	4.7b,4.6b		
NEIC	VIII	20 02 54 05.7–.33	2.38N	122.45E	507–4	4.7b,4.6b		
ISCJB	VIII	20 02 54 05.4–.19	2.39N–.02	122.48E–.03	515–2	4.5b,4.6b		
IDC	VIII	20 02 54 06.2–.76	2.39N	122.43E	510–8	4.8,3.9		
DJA	VIII	20 02 54 06.5–.20	2N–2.0	122E–2.0	495–2	5.1b,5.0		
KLM	VIII	20 02 54 08.0	2.29N	122.21E	504	5.1b,5.0		

ISC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=6.3km az=103.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=22.0.
IDC Error ellipse: s-maj=9.7km s-min=6.8km az=85.0.

(280) Banda Sea

ISC	**VIII**	**20 03 10 43.7–.56**	**7.28S–.04**	**125.80E–.05**	**441–6**	**4.5b**	**247**	**3-153**
BJI	VIII	20 03 10 40.8	7.54S	126.07E	453	4.6b,4.5b		**¶601566541**
MOS	VIII	20 03 10 42.5–1.0	7.20S	125.82E	438	4.6b,4.5b		
ISCJB	VIII	20 03 10 43.5–.25	7.28S–.03	125.87E–.03	453–3	4.4b,4.5b		
NEIC	VIII	20 03 10 43.9–.27	7.27S	125.82E	441–3	4.7b,4.5b		
DJA	VIII	20 03 10 44.2–.20	7S–3.0	126E–2.0	443–3	5.2,5.0b		
IDC	VIII	20 03 10 44.0–1.0	7.22S	125.82E	440–11	4.8,4.0		

ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=6.9km az=118.4.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=42.3.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=52.0.
IDC Error ellipse: s-maj=10.7km s-min=7.7km az=67.0.

(171) South of Fiji Islands

ISC	**VIII**	**22 18 19 32.2–.37**	**24.05S–.06**	**179.06E–.08**	**548**	**4.2b**	**145**	**6-171**
ISCJB	VIII	22 18 19 31.9–.24	24.02S–.05	178.91E–.06	548	4.3b		**¶601614659**
NEIC	VIII	22 18 19 33.8–.75	24.09S	179.11E	569–8	5.2b		
IDC	VIII	22 18 19 33.5–.94	24.05S	179.03E	561–10	4.8,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=177.8.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=52.0.
IDC Error ellipse: s-maj=9.5km s-min=8.5km az=52.0.

(181) Fiji Islands region

ISC	**VIII**	**23 10 54 52.7–.52**	**17.44S–.09**	**178.62W–.08**	**550**	**4.6b**	**63**	**7-176**
ISCJB	VIII	23 10 54 51.6–.43	17.51S–.07	178.68W–.07	550	4.6b		**¶601614682**
IDC	VIII	23 10 54 51.2–1.2	17.45S	178.66W	526–14	4.8,4.0		
NEIC	VIII	23 10 54 51.5–.76	17.45S	178.69W	534–9	4.7b,4.0		
BJI	VIII	23 10 54 58.8	17.90S	179.40W	584	5.0b,4.8b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=149.7.
IDC Error ellipse: s-maj=14.3km s-min=12.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.8km az=135.0.

(279) Flores Sea

ISC	**VIII**	**23 17 21 35.6–.39**	**7.31S–.04**	**119.42E–.05**	**410–3**	**4.6b**	**343**	**2-155**
BJI	VIII	23 17 21 28.1	8.07S	119.92E	416	4.7b,4.6b		**¶601614688**
NEIC	VIII	23 17 21 35.8–.18	7.25S	119.46E	411	4.9b,4.6b		
ISCJB	VIII	23 17 21 35.1–.20	7.30S–.02	119.42E–.02	419–2	4.6b,4.6b		
MOS	VIII	23 17 21 35.1–1.0	7.18S	119.44E	417	4.7b,4.6b		
IDC	VIII	23 17 21 36.1–.54	7.26S	119.44E	411–5	5.0,4.4		
DJA	VIII	23 17 21 36.1–.10	7S–2.0	119E–1.0	403–2	5.4,5.1b		

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

(262) Celebes Sea

ISC	**VIII**	**29 09 49 12.8–.30**	**3.44N–.03**	**122.70E–.04**	**551–3**	**4.9b**	**986**	**3-167**
BJI	VIII	29 09 49 06.9	2.94N	123.02E	538	5.1b,4.9b		**¶601630295**
MOS	VIII	29 09 49 11.8–.83	3.51N	122.71E	550	4.9b,4.9b		
DJA	VIII	29 09 49 12.5–.20	3N–2.0	123E–2.0	538–2	5.5,5.3b		
IDC	VIII	29 09 49 12.7–.38	3.45N	122.68E	547–4	5.2,4.3		
ISCJB	VIII	29 09 49 12.0–.13	3.43N–.02	122.68E–.02	553–2	4.8b,4.3		
NEIC	VIII	29 09 49 12.3–.10	3.45N	122.69E	542	4.9b,4.3		
GCMT	VIII	29 09 49 13.4–.50	3.52N–.04	122.93E–.05	557–4	5.3W,4.3		
KLM	VIII	29 09 49 14.0	3.38N	122.62E	544	5.3W,4.3		

ISC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=119.8.
IDC Error ellipse: s-maj=7.1km s-min=5.2km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=157.8.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=60.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s48,c67;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.50±.05 $M_{\theta\theta}$0.25±.07; $M_{\phi\phi}$-0.74±.08; $M_{r\theta}$-0.32±.09; $M_{\theta\phi}$0.24±.07; $M_{\phi r}$-0.94±.07; Best double couple: NP1: ϕ_s195.00000°,δ76.00000°,λ112.00000°. NP2:ϕ_s315.00000°,δ26.00000°,λ33.00000°. Principal axes: T 1.1690,Plg54.0000°,Azm132.0000°; N 0.0830,Plg22.0000°,Azm9.0000° ; P -1.2530,Plg28.0000°,Azm267.0000° $M_0$1.21100×10^{17}

(220) Northwest of Kuril Islands

ISC	**VIII**	**30 23 08 24.3–.44**	**47.66N–.06**	**148.26E–.05**	**384**	**3.9b**	**190**	**2-151**
JMA	VIII	30 23 08 22.9–.50	47.17N	149.18E	384	4.0		**¶601667538**
ISCJB	VIII	30 23 08 23.7–.20	47.67N–.03	148.18E–.05	384	4.0b		
MOS	VIII	30 23 08 23.6–.98	47.84N	148.21E	379	4.0b		
SKHL	VIII	30 23 08 24.8–.00	47.48N	147.94E	387–12	5.0s,4.9b		
NEIC	VIII	30 23 08 25.1–.38	48.04N	148.04E	368–5	4.0b,4.9b		
IDC	VIII	30 23 08 25.9–1.5	48.00N	148.14E	380–18	4.1,3.5		

ISC Event type se.
JMA Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.7km az=38.3.
MOS Error ellipse: s-maj=11.0km s-min=7.4km az=77.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=153.0.
IDC Error ellipse: s-maj=19.9km s-min=9.8km az=164.0.

(171) South of Fiji Islands

ISC	**IX**	**14 16 15 01.1–.38**	**23.68S–.05**	**178.98W–.08**	**417**	**4.5b**	**292**	**6-170**
BJI	IX	14 16 14 57.5	23.50S	179.10W	387	5.1b,4.6b		**¶601715702**
IDC	IX	14 16 14 58.9–1.3	23.58S	179.16W	390–13	4.6,4.0		
NEIC	IX	14 16 14 58.7–.98	23.71S	179.13W	394–11	4.6b,4.0		
WEL	IX	14 16 14 58.0	23.71S	179.13W	394	4.6b,4.0		
ISCJB	IX	14 16 15 00.3–.14	23.69S–.03	179.19W–.05	417	4.4b,4.0		

ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.

(181) Fiji Islands region

ISC	**IX**	**20 21 03 42.1–.25**	**20.81S–.04**	**178.35W–.04**	**570–2**	**5.3b**	**1376**	**8-172**
BJI	IX	20 21 03 38.4	20.27S	177.91W	542	5.2b,5.1b		**¶604029851**
MOS	IX	20 21 03 39.5–.93	20.65S	178.46W	545	5.4b,5.1b		
ISCJB	IX	20 21 03 39.2–.40	20.73S–.02	178.49W–.02	543–5	5.2b,5.1b		
NEIC	IX	20 21 03 40.0–.00	20.75S	178.27W	580	5.2b,5.1b		
IDC	IX	20 21 03 41.7–.43	20.73S	178.40W	563–4	5.6,4.8		
WEL	IX	20 21 03 42.0	20.76S	178.51W	570	5.6,4.8		
NEIC	IX	20 21 03 42.1–.35	20.76S	178.51W	570–4	5.7W,5.7W		
GCMT	IX	20 21 03 44.1–.20	20.64S–.02	178.30W–.02	570–1	5.7W,5.7W		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.37 $M_{\phi\phi}$1.01 $M_{r\theta}$-3.17 $M_{\theta\phi}$-1.65 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s101.00000° ,δ79.00000°,λ-117.00000°. NP2:ϕ_s351.00000°,δ30.00000°,λ-23.00000°. Principal axes: T 3.4800,Plg28.0000°,Azm213.0000°; N 0.5400,Plg27.0000°,Azm107.0000° ; P -4.0200,Plg48.0000°,Azm341.0000° $M_0$3.80000×10^{17}
WEL manual. confirmed.
NEIC Event type se. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.38 $M_{\theta\theta}$1.57 $M_{\phi\phi}$0.80 $M_{r\theta}$-4.12 $M_{\theta\phi}$-1.54 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s329.00000° ,δ19.00000°,λ-51.00000°. NP2:ϕ_s108.00000°,δ75.00000°,λ-102.00000°. Principal axes: T 4.9900,Plg29.0000°,Azm208.0000°; N -0.0200,Plg12.0000°,Azm111.0000° ; P -4.9700,Plg58.0000°,Azm1.0000° $M_0$5.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s117,c191; s41,c43;Duration: 1$\hat{s}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.80±.04 $M_{\theta\theta}$0.34±.08; $M_{\phi\phi}$1.47±.08; $M_{r\theta}$-3.50±.07; $M_{\theta\phi}$-1.57±.07; $M_{\phi r}$0.60±.07; Best double couple: NP1:ϕ_s110.00000°,δ77.00000°,λ-113.00000°. NP2:ϕ_s352.00000°,δ27.00000°,λ-30.00000°. Principal axes: T 3.9800,Plg28.0000° ,Azm218.0000°; N 0.4540,Plg23.0000°,Azm115.0000°; P -4.4290,Plg52.0000° ,Azm352.0000° $M_0$4.20400×10^{17}

(662) Sakhalin Island

ISC	**IX**	**22 09 36 59.8–.31**	**45.99N–.03**	**141.98E–.03**	**319–2**	**5.1b**	**1648**	**1-156**
BJI	IX	22 09 36 58.5	46.08N	142.09E	322	5.1b,4.9b		**¶601737024**
ISCJB	IX	22 09 36 59.9–.12	46.04N–.02	141.93E–.02	326–1	5.0b,4.9b		
MOS	IX	22 09 36 59.7–.93	46.03N	141.95E	329	5.0b,4.9b		
NEIC	IX	22 09 37 00.3–.25	46.08N	141.92E	319–2	5.1b,4.9b		
IDC	IX	22 09 37 00.2–.39	46.10N	141.96E	320–4	5.3,4.7		
SKHL	IX	22 09 37 00.0–.80	45.93N	141.96E	335–19	5.9b,5.8s		
JMA	IX	22 09 37 00.0–.20	45.93N	142.15E	335–2	4.9,5.8s		
NIED	IX	22 09 37 00	45.90N	142.20E	380	5.2W,5.8s		
GCMT	IX	22 09 37 02.3–.40	45.99N–.04	141.78E–.06	328–3	5.2W,5.8s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ47.00000°,λ160.00000°. NP2:ϕ_s138.00000°,δ76.00000°,λ44.00000°. $M_0$6.14000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s44,c56;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.96±.25 $M_{\theta\theta}$5.39±.35; $M_{\phi\phi}$-6.35±.35; $M_{r\theta}$3.00±.41; $M_{\theta\phi}$-0.45±.39; $M_{\phi r}$-3.24±.38; Best double couple: NP1: ϕ_s140.00000°,δ85.00000°,λ38.00000°. NP2:ϕ_s46.00000°,δ53.00000°,λ174.00000°. Principal axes: T 7.1790,Plg29.0000°,Azm10.0000°; N 0.4360,Plg52.0000°,Azm146.0000° ; P -7.6140,Plg22.0000°,Azm267.0000° $M_0$7.39600×10^{16}

(171) South of Fiji Islands

ISC	**IX**	**25 05 37 57.4–.33**	**25.51S–.05**	**178.27E–.06**	**585**	**4.9b**	**298**	**5-167**
BJI	IX	25 05 37 53.6	25.10S	178.90E	565	5.0b,4.8b		**¶604029873**
ISCJB	IX	25 05 37 56.9–.26	25.42S–.02	178.20E–.05	585	4.9b,4.8b		
IDC	IX	25 05 37 57.7–1.4	25.49S	178.38E	587–14	5.2,4.3		
MOS	IX	25 05 37 57.9–1.2	25.41S	178.32E	611	5.2b,4.3		
WEL	IX	25 05 37 58.0	25.56S	178.33E	601	5.2b,4.3		
NEIC	IX	25 05 37 58.4–.38	25.56S	178.33E	600–4	5.2b,4.3		
GCMT	IX	25 05 38 01.4–.40	25.58S–.04	178.32E–.04	626–4	5.3W,4.3		

ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s62,c86;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05±.03 $M_{\theta\theta}$0.73±.06; $M_{\phi\phi}$-0.77±.06; $M_{r\theta}$-0.23±.06; $M_{\theta\phi}$-0.88±.05; $M_{\phi r}$-0.21±.06; Best double couple: NP1: ϕ_s70.00000°,δ86.00000°,λ-166.00000°. NP2:ϕ_s339.00000°,δ76.00000°,λ-4.00000°.

Principal axes: T 1.1480,Plg7.0000°,Azm204.0000°; N 0.0970,Plg76.0000°,Azm86.0000° ; P -1.2450,Plg13.0000°,Azm295.0000° $M_0$1.19600×10^{17}

(220) Northwest of Kuril Islands

ISC	**IX**	**27 13 05 21.5–.65**	**47.66N–.07**	**148.16E–.07**	**350**	**3.3b**	**33**	**2-80**
ISCJB	IX	27 13 05 20.7–.51	47.67N–.07	148.2E–.10	350	3.1b		**¶601864279**
MOS	IX	27 13 05 21.7–.86	47.60N	148.10E	379	3.8b		
IDC	IX	27 13 05 22.8–1.7	47.66N	148.01E	384–23	3.6,3.0		
SKHL	IX	27 13 05 22.0–1.6	47.57N	148.06E	368–25	5.0s,4.5b		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.5km s-min=6.8km az=44.7.							
MOS	Error ellipse: s-maj=28.4km s-min=10.3km az=60.3.							
IDC	Error ellipse: s-maj=43.8km s-min=17.1km az=144.0.							

(171) South of Fiji Islands

ISC	**IX**	**27 16 54 43.2–.34**	**24.75S–.05**	**179.61W–.06**	**465**	**4.5b**	**220**	**5-168**
ISCJB	IX	27 16 54 43.1–.25	24.78S–.03	179.79W–.06	465	4.5b		**¶601751152**
NEIC	IX	27 16 54 44.7–.74	24.96S	179.58W	488–9	4.8b		
BJI	IX	27 16 54 44.4	24.90S	179.60W	494	5.2b,4.5b		
IDC	IX	27 16 54 47.3–1.3	24.92S	179.89W	503–13	4.5,3.8		
WEL	IX	27 16 54 48.0–1.0	25S–10	179W–45	539–20	4.5,3.8		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
WEL	smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.							

(280) Banda Sea

ISC	**IX**	**29 16 25 41.9–.41**	**7.08S–.04**	**124.18E–.05**	**593–4**	**4.7b**	**435**	**2-162**
BJI	IX	29 16 25 34.6	7.64S	124.68E	587	4.9b,4.8b		**¶601767296**
MOS	IX	29 16 25 41.6–.81	7.00S	124.19E	604	4.7b,4.8b		
ISCJB	IX	29 16 25 41.4–.17	7.06S–.02	124.18E–.03	603–2	4.6b,4.8b		
NEIC	IX	29 16 25 41.9–.22	7.06S	124.17E	593–3	4.8b,4.8b		
IDC	IX	29 16 25 41.9–.54	7.07S	124.17E	593–6	5.0,4.1		
DJA	IX	29 16 25 42.3–.10	7S–2.0	124E–2.0	585–2	5.3,5.1b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(171) South of Fiji Islands

ISC	**X**	**01 17 24 43.9–.37**	**24.75S–.05**	**179.33W–.06**	**490**	**4.7b**	**220**	**5-168**
WEL	X	01 17 24 40.9–1.7	25S–15	178W–26	526–8	4.7b		**¶601775518**
NEIC	X	01 17 24 40.6–.50	24.75S	179.43W	446–6	5.0b		
BJI	X	01 17 24 40.2	24.59S	178.90W	464	4.8b,4.5b		
IDC	X	01 17 24 42.7–1.2	24.75S	179.58W	462–13	5.0,4.3		
ISCJB	X	01 17 24 43.4–.26	24.88S–.03	179.43W–.06	490	4.6b,4.3		
ISC	Event type se.							
WEL	smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.							
NEIC	Event type se.							
ISCJB	Event type se.							

(280) Banda Sea

ISC	**X**	**03 09 21 56.2–.74**	**5.79S–.07**	**128.12E–.08**	**350**	**4.0b**	**23**	**2-66**
ISCJB	X	03 09 21 56.4–.48	5.83S–.05	128.22E–.06	350	3.8b		**¶601996917**
IDC	X	03 09 21 56.9–1.4	5.72S	127.90E	372–17	4.7,3.9		
DJA	X	03 09 22 00.4–.30	6S–3.0	128E–3.0	10	5.4b,4.8		
ISC	Event type ke.							
ISCJB	Event type ke.							

(280) Banda Sea

ISC	**X**	**07 11 34 13.9–.50**	**7.47S–.04**	**124.93E–.04**	**382–5**	**4.3b**	**228**	**2-146**
BJI	X	07 11 34 09.4	7.76S	125.24E	383	4.5b,4.5b		**¶601794227**
ISCJB	X	07 11 34 13.4–.23	7.50S–.03	124.94E–.03	393–2	4.4b,4.5b		
IDC	X	07 11 34 13.3–.67	7.43S	124.96E	376–7	4.7,4.0		
NEIC	X	07 11 34 14.2–.29	7.44S	124.93E	383–3	4.5b,4.0		
DJA	X	07 11 34 19.2–2.3	7S–16	125E–5.0	305–42	5.0b,5.0		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

(275) Java Sea

ISC	**X**	**09 23 22 36.3–.67**	**5.74S–.08**	**109.9E–.10**	**550**	**3.8b**	**32**	**1-141**
ISCJB	X	09 23 22 35.8–.39	5.70S–.07	109.92E–.07	550	3.7b		**¶601819780**
DJA	X	09 23 22 35.2–.90	6S–9.0	110E–7.0	582–13	5.0b,4.3		
IDC	X	09 23 22 36.8–1.2	5.57S	110.02E	551–17	4.2,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.4km s-min=7.9km az=138.9.							
IDC	Error ellipse: s-maj=24.7km s-min=10.1km az=59.0.							

(212) Bonin Islands region

ISC	**X**	**12 03 18 51.3–.38**	**28.39N–.05**	**138.79E–.06**	**524**	**4.3b**	**190**	**3-154**
BJI	X	12 03 18 48.1	28.15N	138.68E	510	5.2b,4.7b		**¶601828940**
MOS	X	12 03 18 49.9–.86	28.34N	138.63E	522	4.2b,4.7b		
JMA	X	12 03 18 49.0–.10	28.26N	138.92E	547	4.4,4.7b		
NEIC	X	12 03 18 50.7–.38	28.34N	138.67E	513–4	4.4b,4.7b		
ISCJB	X	12 03 18 50.1–.23	28.35N–.03	138.78E–.04	524	4.2b,4.7b		
IDC	X	12 03 18 51.5–.91	28.37N	138.65E	523–10	4.5,3.7		
ISC	Event type se.							
MOS	Error ellipse: s-maj=13.8km s-min=6.4km az=102.4.							
JMA	Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=117.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=17.6.							
IDC	Error ellipse: s-maj=12.7km s-min=7.8km az=89.0.							

(181) Fiji Islands region

ISC	**X**	**15 20 14 33.3–.37**	**20.45S–.08**	**178.00W–.09**	**534**	**4.3b**	**182**	**9-173**
BJI	X	15 20 14 29.5	20.40S	178.30W	495	5.1b,4.8b		**¶601835749**
NEIC	X	15 20 14 31.9–1.2	20.41S	178.17W	513–13	4.9b,4.8b		
IDC	X	15 20 14 32.6–1.5	20.41S	178.16W	520–15	4.7,4.0		
ISCJB	X	15 20 14 33.4–.22	20.54S–.06	178.21W–.06	534	4.4b,4.0		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							

(181) Fiji Islands region

ISC	**X**	**15 20 19 00.9–.30**	**20.46S–.04**	**178.16W–.04**	**542–3**	**5.2b**	**1312**	**8-176**
ISCJB	X	15 20 18 58.1–.50	20.40S–.03	178.26W–.02	513–6	5.1b		**¶601835750**
BJI	X	15 20 18 59.5	20.31S	177.64W	552	5.2b,5.1b		
MOS	X	15 20 19 00.4–.86	20.33S	178.28W	538	5.2b,5.1b		
NEIC	X	15 20 19 00.5–.09	20.45S	178.25W	534	5.2b,5.1b		
IDC	X	15 20 19 00.8–.39	20.47S	178.19W	537–4	5.5,4.7		
WEL	X	15 20 19 00.0	20.45S	178.25W	534	5.5,4.7		
GCMT	X	15 20 19 02.5–.30	20.32S–.02	178.21W–.03	555–1	5.3W,4.7		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
WEL	manual. confirmed.							

GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s86,c131;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93±.03 $M_{\theta\theta}$0.73±.04; $M_{\phi\phi}$0.20±.05; $M_{r\theta}$-0.78±.04; $M_{\theta\phi}$0.18±.04; $M_{\phi r}$-0.40±.05; Best double couple: NP1:ϕ_s66.00000° ,δ68.00000°,λ-94.00000°. NP2:ϕ_s256.00000°,δ23.00000°,λ-80.00000°. Principal axes: T 1.1450,Plg23.0000°,Azm159.0000°; N 0.1510,Plg4.0000°,Azm67.0000° ; P -1.2960,Plg67.0000°,Azm329.0000° $M_0$1.22100×10^{17}

(262) Celebes Sea

ISC	**X**	**17 04 42 31.1–.20**	**4.18N–.02**	**124.56E–.03**	**338–1**	**5.8b**	**2447**	**1-174**
BJI	X	17 04 42 30.9	4.21N	124.56E	330	6.0b,5.9b		**¶601837362**
MAN	X	17 04 42 30.0	3.99N	124.53E	329	6.1b,5.7s		
MOS	X	17 04 42 30.1–.86	4.19N	124.53E	342	5.9b,5.7s		
NEIC	X	17 04 42 30.4–.35	4.23N	124.52E	326–3	6.1W,6.0W		
IDC	X	17 04 42 30.6–.35	4.22N	124.54E	329–3	6.0,5.4		
ISCJB	X	17 04 42 31.0–.15	4.19N–.01	124.60E–.02	351–1	5.8b,5.4		
NEIC	X	17 04 42 31.0–.00	4.19N	124.57E	340	5.8b,5.4		
GCMT	X	17 04 42 31.4–.10	4.26N–.01	124.49E–.01	333–0	6.0W,5.4		
DJA	X	17 04 42 31.4–.20	4N–2.0	125E–2.0	328–2	6.6,6.0b		
KLM	X	17 04 42 32.0	3.96N	124.64E	378	6.4b,6.0b		
NEIC	X	17 04 42 42.4–.00	3.93N	124.64E	355	6.4b,6.0b		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=7.2km s-min=4.2km az=112.0.							

NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=69.0. Felt [IV PIVS] at Cateel and Talagutong; [III PIVS] at Digos, Malita and San Isidro; [II PIVS] at Davao and Magugpo; [I PIVS] at General Santos, Philippines. Felt [IV] in the Kepulauan Talaud, Indonesia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.26 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.38 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s10.00000°,δ57.00000°,λ-52.00000°. NP2:ϕ_s136.00000°,δ49.00000°,λ-133.00000°. Principal axes: T 1.5700,Plg5.0000° ,Azm75.0000°; N 0.2700,Plg31.0000°,Azm167.0000°; P -1.8300,Plg59.0000°,Azm337.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ55.00000°,λ-45.00000°. NP2:ϕ_s145.00000°,δ55.00000°,λ-135.00000°. Principal axes: T Plg0.0000°,Azm265.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000° ,Azm355.0000°

IDC Error ellipse: s-maj=6.3km s-min=4.9km az=81.0.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=164.3.

NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.96 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.73 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.12 Best double couple: NP1:ϕ_s144.00000° ,δ52.00000°,λ-129.00000°. NP2:ϕ_s17.00000°,δ52.00000°,λ-50.00000°. Principal axes: T 1.1200,Plg0.0000°,Azm260.0000°; N 0.2800,Plg30.0000°,Azm170.0000° ; P -1.4000,Plg59.0000°,Azm350.0000° $M_0$1.30000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s140,c325; s114,c163; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.94±.01 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$-0.84±.01; $M_{\theta\phi}$-0.16±.01; $M_{\phi r}$-0.21±.01; Best double couple: NP1:ϕ_s22.00000°,δ57.00000° ,λ-51.00000°. NP2:ϕ_s145.00000°,δ50.00000°,λ-134.00000°. Principal axes: T 1.0690,Plg4.0000°,Azm85.0000°; N 0.4200,Plg32.0000°,Azm177.0000° ; P -1.4910,Plg58.0000°,Azm349.0000° $M_0$1.28000×10^{18}

NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.06 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$1.31 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s151.00000° ,δ46.00000°,λ-134.00000°. NP2:ϕ_s25.00000°,δ59.00000°,λ-54.00000°. Principal axes: T 1.3500,Plg7.0000°,Azm90.0000°; N 0.2000,Plg30.0000°,Azm185.0000° ; P -1.5400,Plg59.0000°,Azm348.0000° $M_0$1.40000×10^{18}

(181) Fiji Islands region

ISC	**X**	**19 05 08 45.4–.45**	**19.31S–.04**	**177.49W–.05**	**557–5**	**4.6b**	**488**	**8-174**
MOS	X	19 05 08 44.5–.93	19.20S	177.58W	551	4.5b		**¶601874177**
ISCJB	X	19 05 08 45.3–.58	19.30S–.04	177.60W–.03	559–7	4.5b		
WEL	X	19 05 08 46.0	19.31S	177.56W	560	4.5b		
NEIC	X	19 05 08 46.0–.53	19.31S	177.56W	560–6	4.5b		
BJI	X	19 05 08 46.3	18.97S	177.67W	556	5.2b,4.9b		
IDC	X	19 05 08 50.2–1.8	19.29S	177.62W	609–20	5.0,4.2		
ISC	Event type se.							
MOS	Error ellipse: s-maj=10.6km s-min=9.1km az=135.7.							
ISCJB	Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=145.3.							
WEL	manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=142.0.							
IDC	Error ellipse: s-maj=10.9km s-min=9.3km az=151.0.							

(262) Celebes Sea

ISC	**X**	**22 01 02 26.6–.46**	**4.14N–.03**	**124.68E–.05**	**346–4**	**4.4b**	**243**	**1-123**
BJI	X	22 01 02 20.5	3.77N	124.90E	331	4.5b,4.4b		**¶601840564**
NEIC	X	22 01 02 25.8–.55	4.21N	124.57E	333–6	4.6b,4.4b		
ISCJB	X	22 01 02 25.5–.23	4.17N–.02	124.68E–.04	348–2	4.3b,4.4b		
MAN	X	22 01 02 25.5	3.29N	123.57E	143	5.1b,4.1s		
MOS	X	22 01 02 27.4–.78	4.18N	124.61E	371	4.6b,4.1s		
IDC	X	22 01 02 28.3–1.4	4.15N	124.52E	362–15	4.7,4.0		
DJA	X	22 01 02 34.2–1.1	4N–11	125E–3.0	260–9	5.2b,4.7b		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							

(171) South of Fiji Islands

ISC	**X**	**23 04 36 08.2–.41**	**24.74S–.05**	**179.95E–.05**	**513–4**	**4.8b**	**299**	**5-168**
ISCJB	X	23 04 36 07.3–.43	24.69S–.03	179.84E–.04	507–5	4.7b		**¶601874208**
WEL	X	23 04 36 07.0	24.79S	179.93E	507	4.7b		
NEIC	X	23 04 36 07.8–.54	24.79S	179.93E	508–6	4.8b		
IDC	X	23 04 36 08.3–.73	24.70S	179.87E	506–7	5.0,4.3		
BJI	X	23 04 36 08.7	24.60S	179.90W	519	5.2b,4.8b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.7km s-min=4.5km az=39.4.							
WEL	manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=6.3km az=138.0.							
IDC	Error ellipse: s-maj=10.3km s-min=9.3km az=163.0.							

(211) Southeast of Honshu

ISC	**X**	**23 08 53 38.8–.24**	**29.07N–.02**	**139.28E–.03**	**446–2**	**5.8b**	**2169**	**3-172**
NIED	X	23 08 53 00	29.00N	139.70E	460	5.8W		**¶601842550**
JMA	X	23 08 53 36.1–.20	28.98N	139.68E	468–3	5.9		
MOS	X	23 08 53 37.2–.69	29.04N	139.27E	438	5.7b		
ISCJB	X	23 08 53 38.6–.19	29.04N–.01	139.27E–.01	451–1	5.7b		
BJI	X	23 08 53 38.0	29.03N	139.21E	444	6.1b,5.9b		
NEIC	X	23 08 53 38.0–.00	29.16N	139.38E	460	6.1b,5.9b		
NEIC	X	23 08 53 38.2–.06	29.06N	139.25E	436	6.0W,6.0b		
IDC	X	23 08 53 39.0–.45	29.06N	139.29E	443–4	6.0,5.3		
GCMT	X	23 08 53 40.2–.10	29.07N–.01	139.19E–.01	443–0	5.9W,5.3		
NEIC	X	23 08 53 51.5–.00	29.00N	139.45E	441	5.9W,5.3		
ISC	Event type se.							

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ39.00000°,λ-164.00000°. NP2:ϕ_s322.00000°,δ80.00000°,λ-52.00000°. $M_0$5.65000×10^{17}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

MOS Error ellipse: s-maj=5.9km s-min=3.6km az=106.7.

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=159.8.

NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$3.76 $M_{\phi\phi}$-2.83 $M_{r\theta}$2.68 $M_{\theta\phi}$-2.61 $M_{\phi r}$-6.57 Best double couple: NP1:ϕ_s333.00000° ,δ86.00000°,λ-59.00000°. NP2:ϕ_s69.00000°,δ31.00000°,λ-173.00000°. Principal axes: T 8.0200,Plg34.0000°,Azm37.0000°; N 0.5000,Plg30.0000°,Azm150.0000° ; P -8.5200,Plg40.0000°,Azm271.0000° $M_0$8.30000×10^{17}

NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=139.0. Recorded [2 JMA] in the Chichijima-retto and Hahajima-retto. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1: ϕ_s336.00000°,δ87.00000°,λ-66.00000°. NP2:ϕ_s72.00000°,δ24.00000°,λ-173.00000°. Principal axes: T 1.0700,Plg38.0000°,Azm44.0000°; N -0.0500,Plg24.0000°,Azm154.0000° ; P -1.0200,Plg43.0000°,Azm269.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s74.00000°,δ30.00000°,λ-170.00000°. NP2: ϕ_s335.00000°,δ85.00000°,λ-60.00000°. Principal axes: T Plg33.0000°,Azm40.0000° ; N Plg0.0000°,Azm0.0000°; P Plg42.0000°,Azm274.0000°

IDC Error ellipse: s-maj=7.2km s-min=4.7km az=88.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s134,c277; s98,c118;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$-0.33±.01; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$-0.78±.01; Best double couple: NP1:ϕ_s332.00000°,δ86.00000°,λ-60.00000°. NP2:ϕ_s68.00000°,δ30.00000°,λ-172.00000°. Principal axes: T 0.9730,Plg34.0000° ,Azm36.0000°; N 0.0470,Plg30.0000°,Azm149.0000°; P -1.0200,Plg41.0000°,Azm269.0000° $M_0$0.99700×10^{18}

NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-3.21 $M_{r\theta}$3.66 $M_{\theta\phi}$-2.83 $M_{\phi r}$-6.94 Best double couple: NP1:ϕ_s330.00000° ,δ86.00000°,λ-59.00000°. NP2:ϕ_s67.00000°,δ31.00000°,λ-172.00000°. Principal axes: T 9.2300,Plg34.0000°,Azm34.0000°; N -0.0200,Plg31.0000°,Azm147.0000° ; P -9.2100,Plg41.0000°,Azm268.0000° $M_0$9.20000×10^{17}

(181) Fiji Islands region

ISC	**X**	**25 18 40 38.8–.29**	**19.89S–.04**	**178.13W–.04**	**603–2**	**5.3b**	**1416**	**8-176**
ISCJB	X	25 18 40 36.0–.42	19.85S–.03	178.25W–.02	573–5	5.2b		**¶601847473**
MOS	X	25 18 40 37.5–.85	19.76S	178.20W	592	5.5b		
WEL	X	25 18 40 38.0	19.86S	178.26W	598	5.5b		
BJI	X	25 18 40 38.1	19.64S	177.83W	610	5.4b,5.2b		
NEIC	X	25 18 40 38.9–.09	19.86S	178.26W	598	5.3b,5.2b		
IDC	X	25 18 40 39.0–.42	19.84S	178.17W	598–4	5.8,4.9		
GCMT	X	25 18 40 41.9–.20	19.78S–.02	178.13W–.02	606–1	5.5W,4.9		
ISC	Event type se.							
ISCJB	Event type se.							
WEL	manual. confirmed.							
NEIC	Event type se.							

GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s89,c138;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.03 $M_{\theta\theta}$0.59±.05; $M_{\phi\phi}$-0.44±.05; $M_{r\theta}$-1.71±.05; $M_{\theta\phi}$-0.26±.05; $M_{\phi r}$-1.39±.05; Best double couple: NP1: ϕ_s53.00000°,δ89.00000°,λ-104.00000°. NP2:ϕ_s320.00000°,δ14.00000°,λ-3.00000°. Principal axes: T 2.1750,Plg42.0000°,Azm157.0000°; N 0.2000,Plg14.0000°,Azm53.0000° ; P -2.3750,Plg44.0000°,Azm309.0000° $M_0$2.27500×10^{17}

(171) South of Fiji Islands

ISC	**X**	**29 10 30 44.0–.37**	**24.58S–.05**	**179.40E–.06**	**531**	**4.5b**	**269**	**5-168**
WEL	X	29 10 30 42.0	24.58S	179.37E	508	4.5b		**¶601861571**

NEIC X 29 10 30 42.3–.60 24.58S 179.37E 508–7 4.8b
BJI X 29 10 30 42.7 24.70S 179.33E 531 5.1b,4.6b
ISCJB X 29 10 30 43.8–.25 24.55S–.02 179.21E–.06 531 4.5b,4.6b
IDC X 29 10 30 45.8–1.1 24.56S 179.13E 535–12 4.7,3.9
ISC Event type se.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.6km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.0km az=175.5.
IDC Error ellipse: s-maj=11.5km s-min=10.5km az=104.0.

(280) Banda Sea

ISC X 29 21 32 41.5–.68 6.94S–.07 125.6E–.10 500 3.5b 22 3-73
ISCJB X 29 21 32 40.3–.46 6.87S–.05 125.45E–.10 500 3.5b **¶602000359**
IDC X 29 21 32 41.3–.92 6.95S 125.56E 498–14 4.1,3.3
DJA X 29 21 32 56.8–.80 6S–2.0 125E–4.0 14–6 5.3b,4.9b
ISC Event type ke.
ISCJB Event type ke.

(181) Fiji Islands region

ISC X 30 07 12 36.3–.23 17.97S–.04 178.46W–.04 579 4.9b 824 8-175
MOS X 30 07 12 33.6–.91 17.78S 178.60W 547 5.1b **¶601859283**
NEIC X 30 07 12 34.8–.32 17.92S 178.59W 559–4 4.9b
WEL X 30 07 12 34.0 17.92S 178.59W 559 4.9b
IDC X 30 07 12 34.2–1.2 17.92S 178.49W 551–13 5.4,4.6
BJI X 30 07 12 35.6 17.55S 178.58W 560 4.9b,4.9b
ISCJB X 30 07 12 35.5–.09 17.94S–.02 178.62W–.03 579 4.9b,4.9b
GCMT X 30 07 12 38.8–.30 18.04S–.03 178.47W–.03 579–2 5.5W,4.9b
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s64,c90;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.06 $M_{\theta\theta}$1.61±.09; $M_{\phi\phi}$-1.49±.09; $M_{r\theta}$0.80±.10; $M_{\theta\phi}$-0.46±.09; $M_{\phi r}$-1.35±.08; Best double couple: NP1: ϕ_s323.00000°,δ87.00000°,λ-44.00000°. NP2:ϕ_s55.00000°,δ46.00000°,λ-176.00000°. Principal axes: T 2.1880,Plg27.0000°,Azm18.0000°; N 0.1350,Plg46.0000°,Azm140.0000° ; P -2.3170,Plg32.0000°,Azm269.0000° M_o2.25300×10^{17}

(181) Fiji Islands region

ISC XI 01 09 48 03.6–.68 20.29S–.05 177.61W–.06 493–7 4.9b 337 7-173
BJI XI 01 09 47 59.0 19.97S 177.09W 460 5.0b,4.9b **¶601867328**
ISCJB XI 01 09 48 01.4–.55 20.16S–.03 177.64W–.05 475–6 4.8b,4.9b
MOS XI 01 09 48 01.4–2.3 20.28S 177.86W 453 5.0b,4.9b
IDC XI 01 09 48 01.5–1.4 20.19S 177.59W 469–14 4.9,4.3
WEL XI 01 09 48 03.0–1.1 21S–13 176W–54 529–9 4.9,4.3
NEIC XI 01 09 48 04.2–.45 20.28S 177.64W 502–5 5.0b,4.3
GCMT XI 01 09 48 07.2–.60 20.23S–.04 177.63W–.05 516–3 5.2W,4.3
ISC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s53,c75;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74±.04 $M_{\theta\theta}$0.77±.06; $M_{\phi\phi}$-0.02±.06; $M_{r\theta}$0.36±.07; $M_{\theta\phi}$0.07±.06; $M_{\phi r}$-0.17±.07; Best double couple: NP1: ϕ_s278.00000°,δ59.00000°,λ-76.00000°. NP2:ϕ_s72.00000°,δ34.00000°,λ-112.00000°. Principal axes: T 0.8480,Plg13.0000°,Azm358.0000°; N 0.0080,Plg12.0000°,Azm91.0000° ; P -0.8560,Plg72.0000°,Azm223.0000° M_o0.85200×10^{17}

(280) Banda Sea

ISC XI 03 03 58 29.0–.54 6.33S–.04 127.95E–.05 358–5 4.5b 289 3-161
BJI XI 03 03 58 24.6 6.63S 128.31E 360 4.9b,4.5b **¶601869350**
MOS XI 03 03 58 28.2–.89 6.35S 127.92E 362 4.5b,4.5b
ISCJB XI 03 03 58 28.5–.24 6.36S–.02 127.97E–.03 368–2 4.5b,4.5b
IDC XI 03 03 58 29.4–.84 6.35S 127.93E 356–8 5.1,4.3
NEIC XI 03 03 58 29.3–.33 6.33S 127.96E 360–3 4.7b,4.3
DJA XI 03 03 58 29.6–.10 6S–2.0 128E–2.0 351–2 5.7,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(181) Fiji Islands region

ISC XI 06 03 36 22.4–.35 21.56S–.04 178.67W–.05 525–3 4.8b 1081 8-176
BJI XI 06 03 36 16.6 21.29S 178.22W 478 5.0b,5.0b **¶601991461**
ISCJB XI 06 03 36 19.8–.48 21.41S–.02 178.84W–.03 492–5 4.8b,5.0b
MOS XI 06 03 36 20.3–1.1 21.40S 178.79W 501 4.6b,5.0b
NEIC XI 06 03 36 22.6–.48 21.57S 178.81W 522–5 4.8b,5.0b
WEL XI 06 03 36 22.8–1.2 22S–9.0 178W–35 537–10 4.8b,5.0b
IDC XI 06 03 36 23.5–.66 21.49S 178.71W 531–6 5.5,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.2km az=44.6.
MOS Error ellipse: s-maj=9.3km s-min=7.7km az=61.3.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=145.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.0km s-min=7.9km az=150.0.

(259) Mindanao

ISC XI 08 13 59 59.3–.43 7.22N–.05 124.29E–.08 400 4.0b 73 1-95
ISCJB XI 08 13 59 58.7–.28 7.31N–.04 124.34E–.06 400 4.0b **¶602389034**
DJA XI 08 13 59 59.6–.50 7N–5.0 124E–5.0 397–8 5.0,4.7b
MAN XI 08 14 00 00.5 7.17N 124.21E 425 5.0b,3.9L
IDC XI 08 14 00 01.9–1.3 7.16N 124.35E 440–15 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.5km az=161.1.
IDC Error ellipse: s-maj=15.6km s-min=7.5km az=77.0.

(181) Fiji Islands region

ISC XI 11 05 01 18.9–.45 17.46S–.08 178.41W–.07 550 4.7b 69 7-147
BJI XI 11 05 01 15.2 17.30S 177.80W 573 5.2b,4.6b **¶601883927**
NEIC XI 11 05 01 16.5–.70 17.27S 177.82W 579–13 4.8b,4.6b
ISCJB XI 11 05 01 17.4–.34 17.54S–.05 178.41W–.06 550 4.7b,4.6b
IDC XI 11 05 01 17.1–1.3 17.55S 178.43W 515–16 4.7,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.6km az=42.6.
IDC Error ellipse: s-maj=13.4km s-min=9.2km az=148.0.

(171) South of Fiji Islands

ISC XI 12 10 32 24.5–.40 24.02S–.04 179.89W–.04 506–4 4.9b 605 5-169
ISCJB XI 12 10 32 23.8–.47 23.95S–.03 179.99E–.03 502–5 4.8b **¶601991769**
MOS XI 12 10 32 23.6–.72 23.89S 179.95W 500 4.9b
IDC XI 12 10 32 24.5–.57 23.95S 179.91W 501–6 5.2,4.4
NEIC XI 12 10 32 25.7–.53 24.04S 179.97W 519–6 4.9b,4.4
BJI XI 12 10 32 27.1 23.72S 179.95W 528 5.1b,4.8b
WEL XI 12 10 32 30.8–.95 25S–6.0 179W–27 518–16 5.1b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(211) Southeast of Honshu

ISC XI 12 11 15 09.0–.23 29.71N–.02 138.02E–.03 502–2 5.1b 1672 4-166
NIED XI 12 11 15 00 29.70N 138.50E 500 5.7W **¶601885152**
JMA XI 12 11 15 07.1–.20 29.68N 138.50E 521–4 5.9
ISCJB XI 12 11 15 08.6–.15 29.67N–.01 138.02E–.02 504–1 5.1b
MOS XI 12 11 15 08.2–.82 29.71N 137.98E 501 5.3b,4.5s
IDC XI 12 11 15 09.5–.33 29.73N 138.03E 506–3 5.7,4.8
NEIC XI 12 11 15 09.3–.22 29.69N 137.99E 502–2 5.0b,4.8
BJI XI 12 11 15 09.2 29.77N 137.92E 506 5.5b,5.3b
GCMT XI 12 11 15 11.3–.20 29.79N–.01 137.91E–.02 506–1 5.7W,5.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ42.00000°,λ-44.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ-123.00000°. M_o4.01000×10^{17}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s113,c204;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.40±.06 $M_{\theta\theta}$1.10±.10; $M_{\phi\phi}$2.30±.10; $M_{r\theta}$0.61±.10; $M_{\theta\phi}$2.66±.09; $M_{\phi r}$-3.18±.10; Best double couple: NP1:ϕ_s11.00000° ,δ66.00000°,λ-120.00000°. NP2:ϕ_s245.00000°,δ38.00000°,λ-42.00000°. Principal axes: T 5.0230,Plg16.0000°,Azm122.0000°; N 0.2570,Plg27.0000°,Azm24.0000° ; P -5.2800,Plg58.0000°,Azm239.0000° M_o5.15200×10^{17}

(171) South of Fiji Islands

ISC XI 12 14 47 41.5–.25 24.22S–.03 179.03E–.04 556–2 5.2b 1719 6-174
MOS XI 12 14 47 39.7–.97 24.11S 178.95E 537 5.2b **¶601888253**
ISCJB XI 12 14 47 40.9–.34 24.23S–.02 178.87E–.02 556–4 5.2b
IDC XI 12 14 47 40.6–.45 24.18S 178.97E 541–4 5.7,4.9
BJI XI 12 14 47 41.5 23.94S 179.11E 561 5.5b,5.2b
NEIC XI 12 14 47 41.5–.07 24.28S 178.92E 558 5.2b,5.2b
GCMT XI 12 14 47 44.5–.10 24.13S–.01 178.87E–.02 551–1 5.7W,5.2b
WEL XI 12 14 47 44.5–.93 25S–7.0 180W–23 644–14 5.7W,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s126,c214;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.42±.06 $M_{\theta\theta}$2.24±.10; $M_{\phi\phi}$1.18±.10; $M_{r\theta}$-1.74±.10; $M_{\theta\phi}$-2.31±.09; $M_{\phi r}$-2.93±.09; Best double couple: NP1: ϕ_s339.00000°,δ58.00000°,λ-50.00000°. NP2:ϕ_s101.00000°,δ49.00000°,λ-136.00000°. Principal axes: T 4.1220,Plg5.0000°,Azm42.0000°; N 1.5800,Plg33.0000°,Azm136.0000° ; P -5.7020,Plg56.0000°,Azm304.0000° M_o4.91200×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(181) Fiji Islands region

ISC XI 14 18 22 31.5–.27 14.49S–.05 173.78E–.05 600 5.0b 573 8-172
IDC XI 14 18 22 30.4–1.1 14.52S 173.88E 588–12 5.3,4.5 **¶601991982**
ISCJB XI 14 18 22 30.7–.11 14.48S–.03 173.73E–.02 600 4.9b,4.5
BJI XI 14 18 22 30.2 14.50S 173.70E 604 4.7b,4.6b
MOS XI 14 18 22 31.3–.76 14.40S 173.69E 611 5.0b,4.6b
NEIC XI 14 18 22 32.1–.11 14.48S 173.74E 606 5.2b,4.6b
GCMT XI 14 18 22 35.1–.80 14.61S–.06 173.70E–.06 611–5 5.3W,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s51,c71;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.05 $M_{\theta\theta}$0.95±.07; $M_{\phi\phi}$-0.93±.07; $M_{r\theta}$0.02±.08; $M_{\theta\phi}$0.45±.08; $M_{\phi r}$-0.46±.07; Best double couple: NP1:ϕ_s34.00000° ,δ79.00000°,λ-161.00000°. NP2:ϕ_s300.00000°,δ72.00000°,λ-12.00000°. Principal axes: T 1.0610,Plg5.0000°,Azm166.0000°; N 0.1500,Plg69.0000°,Azm64.0000° ; P -1.2110,Plg21.0000°,Azm258.0000° M_o1.13600×10^{17}

(171) South of Fiji Islands

ISC XI 15 15 47 08.1–.40 25.88S–.04 178.39E–.05 629–4 4.9b 793 5-173
NEIC XI 15 15 47 07.6–.10 25.87S 178.26E 622 4.9b **¶601902274**
IDC XI 15 15 47 07.9–.77 25.80S 178.31E 621–8 5.0,4.1
ISCJB XI 15 15 47 07.6–.30 25.92S–.02 178.18E–.03 634–4 4.9b,4.1
MOS XI 15 15 47 07.1–1.0 25.77S 178.25E 625 5.1b,4.1
BJI XI 15 15 47 08.4 25.66S 178.55E 644 5.1b,4.9b
WEL XI 15 15 47 14.4–.84 27S–5.0 179E–23 691–16 5.1b,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(181) Fiji Islands region

ISC XI 17 05 29 44.5–.46 20.31S–.04 178.36W–.05 585–5 4.7b 665 9-173
ISCJB XI 17 05 29 42.9–.58 20.35S–.03 178.50W–.03 569–7 4.6b **¶601906755**
BJI XI 17 05 29 43.6 20.02S 177.77W 596 5.3b,5.0b
NEIC XI 17 05 29 45.0–.44 20.35S 178.49W 586–5 4.7b,5.0b
IDC XI 17 05 29 46.4–1.2 20.35S 178.52W 601–14 5.1,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=153.5.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=134.0.
IDC Error ellipse: s-maj=8.6km s-min=7.7km az=140.0.

(190) New Ireland region

ISC XI 21 07 06 05.7–.53 5.30S–.05 154.25E–.06 405–5 4.5b 268 2-152
BJI XI 21 07 05 51.1 4.98S 154.37E 255 4.7b,4.5b **¶601993369**
MOS XI 21 07 06 04.8–.85 5.22S 154.19E 406 4.6b,4.5b
ISCJB XI 21 07 06 04.9–.61 5.32S–.03 154.19E–.04 411–6 4.5b,4.5b
IDC XI 21 07 06 05.8–.54 5.27S 154.25E 407–5 4.9,4.2
NEIC XI 21 07 06 06.1–.36 5.30S 154.21E 412–4 4.7b,4.2
DJA XI 21 07 06 10.9–1.7 5S–7.0 154E–15 434–11 5.4,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(663) Sea of Okhotsk

ISC XI 21 10 44 32.3–.38 51.41N–.04 150.92E–.04 532–4 4.4b 486 3-150
BJI XI 21 10 44 29.7 51.50N 150.80E 506 4.9b,4.8b **¶601993441**
KRSC XI 21 10 44 30.3–1.2 51.24N 151.19E 554–23 5.4L,4.8b
ISCJB XI 21 10 44 31.7–.15 51.43N–.03 150.89E–.04 535–2 4.3b,4.8b
SKHL XI 21 10 44 31.4–.90 51.34N 150.78E 542–30 5.0b,5.0s
MOS XI 21 10 44 31.9–.96 51.40N 150.97E 546 4.3b,5.0s
NEIC XI 21 10 44 32.3–.22 51.49N 150.76E 524–3 4.4b,5.0s
IDC XI 21 10 44 33.1–.50 51.49N 150.81E 538–5 4.6,3.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.6km az=145.1.
MOS Error ellipse: s-maj=6.6km s-min=4.7km az=73.8.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=148.0.
IDC Error ellipse: s-maj=8.9km s-min=5.5km az=143.0.

(193) Bougainville-Solomon Islands region

ISC XI 22 01 42 47.5–.34 5.88S–.04 154.44E–.04 390–3 4.5b 338 3-159
ISCJB XI 22 01 42 46.9–.49 5.80S–.03 154.39E–.04 394–4 4.5b **¶601993579**
IDC XI 22 01 42 47.7–.49 5.83S 154.52E 396–5 4.9,4.3
MOS XI 22 01 42 48.3–.98 5.73S 154.27E 402 4.6b,4.3
NEIC XI 22 01 42 48.0–.13 5.77S 154.42E 394 4.6b,4.3
BJI XI 22 01 42 48.7 5.31S 154.35E 387 4.6b,4.6b
DJA XI 22 01 42 51.7–1.3 6S–6.0 154E–10 418–11 5.5,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(129) Salta Province

ISC XI 22 13 07 11.9–.26 22.70S–.03 63.63W–.03 535–2 5.6b 2000 1-177
NEIC XI 22 13 07 05.0–.00 22.67S 63.70W 510 5.6b **¶601993726**
SJA XI 22 13 07 05.6–.91 23.10S 64.11W 596–5 5.9L,5.7W
BJI XI 22 13 07 06.0 22.39S 63.35W 465 5.6b,5.7W
ISCJB XI 22 13 07 09.1–.22 22.62S–.02 63.60W–.02 509–2 5.5b,5.7W
NEIC XI 22 13 07 10.4–.25 22.74S 63.57W 517–2 6.0W,5.9
MOS XI 22 13 07 10.8–.94 22.74S 63.67W 533 5.8b,5.9
IDC XI 22 13 07 12.9–.29 22.70S 63.60W 542–3 6.1,5.3
GCMT XI 22 13 07 13.4–.10 22.86S–.01 63.69W–.01 544–0 5.9W,5.3
GUC XI 22 13 07 15.8–2.2 22.79S 63.97W 463–149 5.5W,5.3
ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.83 $M_{\theta\theta}$0.13 $M_{\phi\phi}$2.71 $M_{r\theta}$-2.25 $M_{\theta\phi}$4.98 $M_{\phi r}$6.09 Best double couple: NP1:ϕ_s178.00000° ,δ77.00000°,λ-128.00000°. NP2:ϕ_s72.00000°,δ41.00000°,λ-20.00000°. Principal axes: T 8.0000,Plg22.0000°,Azm296.0000°; N 1.1600,Plg37.0000°,Azm188.0000° ; P -9.1600,Plg43.0000°,Azm49.0000° M_o8.60000×10^{17}
SJA Error ellipse: s-maj=5.8km s-min=11.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=143.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=71.0. Felt [II] at Tocopilla, Chile. Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ36.00000°,λ-29.00000°. NP2:ϕ_s174.00000°,δ73.00000°,λ-123.00000°. Principal axes: T 1.1100,Plg22.0000° ,Azm289.0000°; N -0.1200,Plg31.0000°,Azm185.0000°; P -0.9800,Plg51.0000° ,Azm47.0000°
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=89.2.
IDC Error ellipse: s-maj=7.3km s-min=5.1km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s122,c241; s87,c101;Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.22±.06 $M_{\theta\theta}$-0.56±.09; $M_{\phi\phi}$3.78±.11; $M_{r\theta}$-1.76±.09; $M_{\theta\phi}$5.33±.09; $M_{\phi r}$5.81±.09; Best double couple: NP1:ϕ_s177.00000°,δ76.00000°,λ-130.00000°. NP2:ϕ_s71.00000°,δ42.00000°,λ-22.00000°. Principal axes: T 8.7950,Plg20.0000° ,Azm296.0000°; N 0.0460,Plg39.0000°,Azm189.0000°; P -8.8400,Plg44.0000°,Azm47.0000° M_o8.81700×10^{17}
GUC Error ellipse: s-maj=17.8km s-min=86.4km az=-1.0.

(181) Fiji Islands region

ISC XI 22 14 16 39.9–.31 18.07S–.06 178.37W–.05 579 4.4b 396 8-175

IDC	XI	22 14 16 39.8–1.1	18.00S	178.50W	574–12	4.8,4.1	¶601993736	
MOS	XI	22 14 16 39.5–1.0	17.87S	178.55W	575	5.1b,4.1		
NEIC	XI	22 14 16 41.0–.69	17.92S	178.53W	583–8	4.1b,4.1		
ISC	Event type se.							
IDC	Error ellipse: s-maj=12.4km s-min=8.0km az=144.0.							
MOS	Error ellipse: s-maj=11.6km s-min=8.7km az=150.1.							
NEIC	Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=153.0.							
	(259) Mindanao							
ISC	**XI**	**24 20 28 50.6–.38**	**6.46N–.03**	**123.52E–.04**	**617–4**	**4.9b**	**764 1-173**	
ISCJB	XI	24 20 28 50.0–.12	6.50N–.02	123.52E–.02	625–1	4.9b	¶601994206	
BJI	XI	24 20 28 49.4	6.49N	123.59E	607	5.0b,4.8b		
MAN	XI	24 20 28 49.4	6.52N	123.63E	630	5.7b,5.0s		
NEIC	XI	24 20 28 51.0–.24	6.48N	123.48E	622–3	4.9b,5.0s		
IDC	XI	24 20 28 51.0–.43	6.47N	123.49E	620–5	5.1,4.2		
MOS	XI	24 20 28 50.2–.86	6.51N	123.49E	628	5.0b,4.2		
KLM	XI	24 20 28 51.0	6.47N	123.58E	607	5.2b,4.2		
DJA	XI	24 20 28 51.0–.20	6N–3.0	123E–2.0	609–3	6.5,5.3		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
	(181) Fiji Islands region							
ISC	**XI**	**29 00 30 31.8–.32**	**21.21S–.04**	**178.62W–.04**	**551–3**	**5.0b**	**947 8-172**	
MOS	XI	29 00 30 28.1–1.1	20.98S	178.73W	509	5.0b	¶601995144	
ISCJB	XI	29 00 30 29.9–.46	21.08S–.02	178.78W–.03	531–5	5.0b		
IDC	XI	29 00 30 30.9–.56	21.12S	178.74W	536–6	5.3,4.5		
NEIC	XI	29 00 30 31.3–.11	21.11S	178.77W	541	5.1b,4.5		
BJI	XI	29 00 30 32.5	20.80S	178.49W	563	5.3b,4.9b		
GCMT	XI	29 00 30 33.3–.20	21.03S–.02	178.67W–.02	544–1	5.5W,4.9b		
WEL	XI	29 00 30 36.6–1.1	22S–8.0	178W–35	550–10	5.5W,4.9b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s115,c188;Duration: 1$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.27±.04 $M_{\theta\theta}$1.12±.07; $M_{\phi\phi}$1.15±.07; $M_{r\theta}$-0.23±.07; $M_{\theta\phi}$-0.97±.06; $M_{\phi r}$-1.57±.07; Best double couple: NP1: ϕ_s340.00000°,δ61.00000°,λ-68.00000°. NP2:ϕ_s119.00000°,δ36.00000°,λ-125.00000°. Principal axes: T 2.3410,Plg14.0000°,Azm54.0000°; N 0.6230,Plg19.0000°,Azm149.0000° ; P -2.9640,Plg66.0000°,Azm290.0000° $M_0$2.65200×10^{17}							
WEL	smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.							
	(181) Fiji Islands region							
ISC	**XII**	**02 21 00 49.9–.29**	**21.79S–.06**	**179.37W–.05**	**592**	**4.8b**	**316 8-171**	
ISCJB	XII	02 21 00 49.0–.18	21.68S–.04	179.36W–.03	592	4.7b	¶602210446	
NEIC	XII	02 21 00 49.8–.62	21.61S	179.36W	590–7	4.8b		
IDC	XII	02 21 00 49.4–.93	21.61S	179.32W	583–10	5.0,4.1		
BJI	XII	02 21 00 51.5	21.19S	179.20W	610	5.1b,5.0b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=162.8.							
NEIC	Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=164.0.							
IDC	Error ellipse: s-maj=10.9km s-min=9.9km az=75.0.							
	(181) Fiji Islands region							
ISC	**XII**	**04 03 54 48.7–.41**	**19.79S–.05**	**177.69W–.05**	**553–4**	**4.8b**	**733 7-173**	
MOS	XII	04 03 54 47.4–2.2	19.55S	177.78W	520	5.0b	¶601996024	
ISCJB	XII	04 03 54 48.5–.56	19.79S–.04	177.80W–.03	554–7	4.7b		
IDC	XII	04 03 54 48.7–.63	19.75S	177.67W	549–6	5.1,4.3		
WEL	XII	04 03 54 48.0	19.78S	177.79W	544	5.1,4.3		
NEIC	XII	04 03 54 48.5–.12	19.78S	177.79W	544	4.8b,4.3		
BJI	XII	04 03 54 48.0	19.70S	177.80W	543	5.2b,5.1b		
ISC	Event type se.							
MOS	Error ellipse: s-maj=10.0km s-min=8.7km az=138.9.							
ISCJB	Event type se. Error ellipse: s-maj=5.9km s-min=3.4km az=149.7.							
IDC	Error ellipse: s-maj=10.8km s-min=9.0km az=132.0.							
WEL	manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=137.0.							
	(181) Fiji Islands region							
ISC	**XII**	**05 23 08 36.3–.30**	**20.74S–.04**	**178.83W–.04**	**622–3**	**5.1b**	**1324 9-175**	
ISCJB	XII	05 23 08 34.3–.41	20.76S–.03	178.96W–.02	605–5	5.1b	¶601996101	
BJI	XII	05 23 08 34.2	20.56S	178.51W	614	5.4b,5.3b		
MOS	XII	05 23 08 35.3–.79	20.67S	178.92W	613	5.2b,5.3b		
NEIC	XII	05 23 08 36.9–.07	20.78S	178.95W	626	5.1b,5.3b		
WEL	XII	05 23 08 36.0	20.78S	178.95W	626	5.1b,5.3b		
IDC	XII	05 23 08 36.5–.44	20.72S	178.88W	617–4	5.5,4.6		
GCMT	XII	05 23 08 37.9–.40	20.64S–.03	178.98W–.03	639–3	5.3W,4.6		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
WEL	manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s67,c92;Duration: 1$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.03 $M_{\theta\theta}$0.21±.05; $M_{\phi\phi}$0.37±.05; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$0.28±.05; $M_{\phi r}$-0.90±.04; Best double couple: NP1:ϕ_s17.00000° ,δ74.00000°,λ-101.00000°. NP2:ϕ_s232.00000°,δ19.00000°,λ-56.00000°. Principal axes: T 1.0520,Plg29.0000°,Azm116.0000°; N 0.0670,Plg10.0000°,Azm20.0000° ; P -1.1190,Plg59.0000°,Azm272.0000° $M_0$1.08500×10^{17}							
	(129) Salta Province							
ISC	**XII**	**20 15 00 18.4–.25**	**22.80S–.04**	**63.73W–.05**	**530**	**4.6b**	**738 1-166**	
SJA	XII	20 15 00 11.9–.40	23.00S	63.94W	590–6	4.6W,4.4L	¶602052924	
NEIC	XII	20 15 00 17.6–.27	22.78S	63.61W	520–3	4.6b,4.4L		
ISCJB	XII	20 15 00 17.1–.12	22.73S–.02	63.67W–.02	530	4.6b,4.4L		
MOS	XII	20 15 00 18.4–1.3	22.77S	63.75W	534	4.4b,4.4L		
IDC	XII	20 15 00 18.3–.89	22.76S	63.58W	526–9	4.8,4.0		
BJI	XII	20 15 00 20.6	22.80S	63.70W	540	5.0b,4.0		
ISC	Event type se.							
SJA	Error ellipse: s-maj=6.8km s-min=8.4km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=76.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=18.3.							
MOS	Error ellipse: s-maj=11.8km s-min=8.0km az=105.3.							
IDC	Error ellipse: s-maj=12.4km s-min=8.8km az=61.0.							
	(280) Banda Sea							
ISC	**XII**	**22 13 17 00.9–.43**	**7.22S–.05**	**126.79E–.07**	**350**	**4.0b**	**56 4-146**	
ISCJB	XII	22 13 16 59.7–.31	7.24S–.04	126.78E–.05	350	3.9b	¶602056317	
IDC	XII	22 13 16 60.0–1.0	7.21S	126.76E	334–10	4.6,4.0		
DJA	XII	22 13 17 00.5–.20	7S–3.0	127E–3.0	325–3	5.2,5.0b		
ISC	Event type ke.							
ISCJB	Event type ke.							
	(211) Southeast of Honshu							
ISC	**XII**	**25 17 08 15.2–.31**	**32.03N–.03**	**137.97E–.03**	**370–2**	**4.9b**	**1405 2-165**	
NIED	XII	25 17 08 00	32.10N	138.20E	380	5.2W	¶602058393	
JMA	XII	25 17 08 13.7–.30	32.09N	138.20E	397–3	5.1		
BJI	XII	25 17 08 14.3	32.03N	137.82E	371	5.1b,5.1b		
MOS	XII	25 17 08 14.2–.93	32.01N	137.89E	369	5.1b,5.1b		
ISCJB	XII	25 17 08 14.8–.16	31.97N–.02	137.89E–.02	375–1	4.8b,5.1b		
NEIC	XII	25 17 08 14.8–.09	31.98N	137.85E	365	4.9b,5.1b		
IDC	XII	25 17 08 15.1–.51	32.00N	137.91E	365–4	5.2,4.6		
GCMT	XII	25 17 08 16.8–.30	31.98N–.03	137.62E–.04	378–2	5.2W,4.6		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ12.00000°,λ-141.00000°. NP2:ϕ_s21.00000°,δ82.00000°,λ-80.00000°. $M_0$7.30000×10^{16}							
JMA	Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ82.00000°,λ-73.00000°. NP2:ϕ_s127.00000°,δ19.00000°,λ-155.00000°. Principal axes: T Plg35.0000°,Azm88.0000°; N Plg17.0000°,Azm190.0000°; P Plg50.0000° ,Azm302.0000°							
ISCJB	Event type fe.							
NEIC	Event type fe. Recorded [1 JMA] in Tochigi and Tokyo, Honshu.							
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c81;Duration: 1$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03±.25 $M_{\theta\theta}$0.25±.37; $M_{\phi\phi}$1.78±.35; $M_{r\theta}$-3.47±.36; $M_{\theta\phi}$-0.76±.36; $M_{\phi r}$-7.74±.32; Best double couple: NP1: ϕ_s22.00000°,δ85.00000°,λ-83.00000°. NP2:ϕ_s147.00000°,δ9.00000°,λ-144.00000°. Principal axes: T 8.1730,Plg39.0000°,Azm106.0000°; N 1.0240,Plg7.0000°,Azm202.0000° ; P -9.1960,Plg50.0000°,Azm300.0000° $M_0$8.68400×10^{16}							
	(181) Fiji Islands region							
ISC	**XII**	**26 02 58 23.4–.33**	**20.70S–.04**	**178.52W–.04**	**587–3**	**5.0b**	**1235 8-176**	
MOS	XII	26 02 58 20.7–.86	20.52S	178.62W	558	5.0b	¶602058485	
ISCJB	XII	26 02 58 22.7–.40	20.72S–.03	178.63W–.02	586–5	5.0b		
BJI	XII	26 02 58 22.1	20.45S	178.02W	596	5.2b,5.1b		
IDC	XII	26 02 58 23.4–.39	20.68S	178.58W	583–4	5.4,4.5		
NEIC	XII	26 02 58 23.2–.42	20.69S	178.62W	582–5	5.0b,4.5		
WEL	XII	26 02 58 23.0	20.69S	178.62W	582	5.0b,4.5		
GCMT	XII	26 02 58 24.2–.50	20.67S–.04	178.70W–.05	603–3	5.3W,4.5		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
WEL	manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c72;Duration: 1$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.04 $M_{\theta\theta}$0.75±.07; $M_{\phi\phi}$-0.02±.08; $M_{r\theta}$-0.21±.07; $M_{\theta\phi}$0.63±.07; $M_{\phi r}$-0.85±.08; Best double couple: NP1: ϕ_s30.00000°,δ69.00000°,λ-122.00000°. NP2:ϕ_s271.00000°,δ37.00000°,λ-35.00000°. Principal axes: T 1.3040,Plg18.0000°,Azm144.0000°; N 0.0070,Plg30.0000°,Azm43.0000° ; P -1.3120,Plg54.0000°,Azm261.0000° $M_0$1.30800×10^{17}							
	(171) South of Fiji Islands							
ISC	**XII**	**26 05 17 35.2–.43**	**24.53S–.05**	**179.76W–.04**	**509–4**	**4.8b**	**531 5-169**	
BJI	XII	26 05 17 26.9	24.34S	179.25W	451	5.2b,4.8b	¶602090249	
IDC	XII	26 05 17 34.8–.62	24.42S	179.94W	500–6	5.0,4.3		
ISCJB	XII	26 05 17 34.4–.43	24.45S–.03	179.94W–.03	503–5	4.7b,4.3		
WEL	XII	26 05 17 35.0	24.56S	179.88W	511	4.7b,4.3		
NEIC	XII	26 05 17 35.4–.48	24.56S	179.88W	510–5	4.8b,4.3		
GCMT	XII	26 05 17 39.4–.50	24.28S–.06	179.89E–.04	503–3	5.2W,4.3		
ISC	Event type se.							
ISCJB	Event type se.							
WEL	manual. confirmed.							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s62,c77;Duration: 1$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.77±.32 $M_{\theta\theta}$0.24±.55; $M_{\phi\phi}$2.53±.44; $M_{r\theta}$-1.04±.53; $M_{\theta\phi}$0.55±.47; $M_{\phi r}$-7.58±.46; Best double couple: NP1:ϕ_s8.00000° ,δ80.00000°,λ-92.00000°. NP2:ϕ_s197.00000°,δ10.00000°,λ-81.00000°. Principal axes: T 8.0520,Plg35.0000°,Azm99.0000°; N 0.1310,Plg1.0000°,Azm8.0000° ; P -8.1830,Plg55.0000°,Azm276.0000° $M_0$8.11800×10^{16}							

FELT AND DAMAGING EARTHQUAKES

(216) Mariana Islands

ISC	**VII**	**01 02 04 37.3–.53**	**14.09N–.05**	**145.14E–.06**	**105–4**	**4.7b**	**265**	**1-152**
DJA	VII	01 02 04 35.9–1.1	14N–14	145E–6.0	96–4	5.6b,5.2b		**¶601218157**
ISCJB	VII	01 02 04 36.0–.55	14.09N–.03	145.07E–.04	102–5	4.6b,5.2b		
IDC	VII	01 02 04 36.4–.53	14.12N	145.18E	95–4	4.6,4.3		
NEIC	VII	01 02 04 37.2–.69	14.09N	145.10E	101–6	4.7b,4.3		
GCMT	VII	01 02 04 37.2–.40	14.07N	145.10E	134–6	4.9W,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.6km az=30.6.
IDC Error ellipse: s-maj=15.6km s-min=7.8km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=100.0. Felt on Saipan. Felt [III] at Barrigada, Santa Rita, Tamuning and Yigo, Guam. Also felt at Andersen AFB, Apra Harbor, Dededo, Hagatna Heights, Mangilao and Mongmong.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c14; s68,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$1.61±.13; $M_{\phi\phi}$-1.14±.14; $M_{r\theta}$1.26±.09; $M_{\theta\phi}$0.81±.13; $M_{\phi r}$-1.41±.10; Best double couple: NP1:ϕ_s298.00000°,δ81.00000°,λ-47.00000°. NP2:ϕ_s38.00000°,δ43.00000°,λ-167.00000°. Principal axes: T 2.2090,Plg24.0000°,Azm357.0000°; N 0.5100,Plg42.0000°,Azm110.0000°; P -2.7250,Plg39.0000°,Azm246.0000° $M_0$2.46700×10^{16}

(45) California-Baja California border region

ISC	**VII**	**01 03 25 19.5–.58**	**32.22N–.02**	**115.35W–.01**	**3–4**	**4.6b,4.1s**	**710**	**0-119**
ISCJB	VII	01 03 25 18.0–.40	32.17N–.02	115.29W–.01	3–2	4.5b,4.1s		**¶601218161**
GCMT	VII	01 03 25 20.8–.50	32.23N	115.37W	18–1	4.8W,4.1s		
NEIC	VII	01 03 25 20.8–.00	32.21N	115.30W	8	4.6W,4.5L		
ECX	VII	01 03 25 20.8–.52	32.21N	115.32W	8	4.7L,4.5		
MEX	VII	01 03 25 22.5–.38	32.30N	115.30W	8–7	4.3,4.5		
IDC	VII	01 03 25 23.1–.91	32.40N	114.91W	0	4.3,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=19.8.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s9,c9; s69,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.12 $M_{\theta\theta}$-1.39±.10; $M_{\phi\phi}$1.69±.10; $M_{r\theta}$-0.73±.26; $M_{\theta\phi}$-1.19±.10; $M_{\phi r}$0.29±.20; Best double couple: NP1:ϕ_s118.00000°,δ84.00000°,λ-157.00000°. NP2:ϕ_s25.00000°,δ67.00000°,λ-6.00000°. Principal axes: T 2.2030,Plg12.0000°,Azm249.0000°; N -0.1930,Plg66.0000°,Azm130.0000°; P -2.0150,Plg20.0000°,Azm344.0000° $M_0$2.10900×10^{16}
NEIC Event type fe. Felt [III] at Alberto Oviedo Mota and Mexicali and [II] at Rosarito and Tijuana. Also felt at Delta, Ensenada, Guadalupe Victoria and Rosarito. Felt [IV] at El Cajon and [III] at Calexico, El Centro, La Jolla, Lakeside and San Diego, California. Felt in much of southern California. Felt [III] at Yuma and [II] at Somerton, Arizona. Also felt at San Luis Rio Colorado, Sonora. After ECX. Moment Tensor Solution.
ECX Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
MEX Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=52.0.

(45) California-Baja California border region

ISC	**VII**	**01 03 33 46.0–.85**	**32.24N–.03**	**115.31W–.02**	**12–6**		**88**	**0-8**
ISCJB	VII	01 03 33 45.6–.53	32.25N–.03	115.23W–.02	12–4			**¶601532789**
NEIC	VII	01 03 33 47.8–.00	32.20N	115.30W	7	3.5L,3.3L		
MEX	VII	01 03 33 47.0–.45	32.41N	115.05W	24–5	3.9,3.3L		
ECX	VII	01 03 33 47.8–.54	32.20N	115.31W	8	3.5L,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=15.5.
NEIC Event type fe. Felt at San Luis Rio Colorado, Sonora. Also felt at Chula Vista and San Diego, California and at Yuma, Arizona. After ECX.
MEX Error ellipse: s-maj=3.6km s-min=5.8km az=-1.0.
ECX Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**01 04 09 52.2–.87**	**36.96N–.03**	**140.53E–.04**	**12–6**	**3.7b**	**25**	**0-147**
NIED	VII	01 04 09 00	36.90N	140.60E	5	3.5W		**¶601663345**
IDC	VII	01 04 09 50.7–.90	36.98N	140.49E	0	3.7,3.6		
ISCJB	VII	01 04 09 51.7–.48	36.95N–.03	140.62E–.05	20–4	3.6b,3.6		
JMA	VII	01 04 09 52.5	36.96N	140.54E	8–1	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ22.00000°,λ-94.00000°. NP2:ϕ_s123.00000°,δ69.00000°,λ-88.00000°. $M_0$1.76000×10^{14}
IDC Error ellipse: s-maj=25.2km s-min=18.3km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.0km az=23.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s139.00000°,δ60.00000°,λ-79.00000°. NP2:ϕ_s298.00000°,δ32.00000°,λ-108.00000°. Principal axes: T Plg14.0000°,Azm221.0000°; N Plg10.0000°,Azm313.0000°; P Plg73.0000°,Azm77.0000°

(294) Myanmar-India border region

ISC	**VII**	**01 04 13 51.8–.21**	**25.60N–.02**	**94.71E–.02**	**56–1**	**5.5b,4.7s**	**1254**	**1-162**
MOS	VII	01 04 13 49.8–1.1	25.58N	94.74E	51	5.6b,4.7s		**¶601224672**
BJI	VII	01 04 13 49.2	25.64N	94.63E	59	5.5b,5.3b		
ISCJB	VII	01 04 13 50.9–.23	25.58N–.01	94.61E–.01	61–2	5.4b,5.3b		
IDC	VII	01 04 13 51.8–.37	25.58N	94.81E	56–3	5.1,4.8		
NEIC	VII	01 04 13 52.1–.13	25.59N	94.70E	58	5.6W,5.5b		
GCMT	VII	01 04 13 52.1–.10	25.60N	94.73E	50–0	5.6W,5.5b		
NDI	VII	01 04 13 53.2–2.4	25.67N	94.54E	70–8	5.6L,5.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.0km s-min=3.3km az=121.4.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=29.2.
IDC Error ellipse: s-maj=7.9km s-min=6.7km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=210.0. Felt at Nagaon, Phek and Shillong, India. Also felt at Sylhet, Bangladesh. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$1.92 $M_{r\theta}$-0.27 $M_{\theta\phi}$2.56 $M_{\phi r}$-0.48 Best double couple: NP1:ϕ_s161.00000°,δ83.00000°,λ173.00000°. NP2:ϕ_s252.00000°,δ83.00000°,λ7.00000°. Principal axes: T 3.2700,Plg10.0000°,Azm116.0000°; N 0.0400,Plg80.0000°,Azm294.0000°; P -3.3100,Plg0.0000°,Azm26.0000° $M_0$3.30000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s92,c135; s126,c300;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.04 $M_{\theta\theta}$-2.81±.04; $M_{\phi\phi}$2.86±.04; $M_{r\theta}$-0.40±.04; $M_{\theta\phi}$1.28±.03; $M_{\phi r}$-0.59±.04; Best double couple: NP1: ϕ_s238.00000°,δ86.00000°,λ12.00000°. NP2:ϕ_s147.00000°,δ78.00000°,λ176.00000°. Principal axes: T 3.2660,Plg11.0000°,Azm103.0000°; N -0.1610,Plg78.0000°,Azm257.0000°; P -3.1100,Plg5.0000°,Azm12.0000° $M_0$3.18800×10^{17}
NDI Error ellipse: s-maj=4.5km s-min=8.2km az=-1.0.

(45) California-Baja California border region

ISC	**VII**	**01 05 52 39.8–1.0**	**32.20N–.02**	**115.32W–.02**	**7–8**		**97**	**0-11**
ISCJB	VII	01 05 52 39.5–.49	32.23N–.02	115.26W–.02	10–3			**¶602540357**
MEX	VII	01 05 52 40.7–.53	32.41N	115.04W	27–5	3.9		
ECX	VII	01 05 52 41.4–.64	32.19N	115.31W	8	3.6L,3.4		
NEIC	VII	01 05 52 41.4–.00	32.19N	115.31W	8	3.6,3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=17.9.
MEX Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
NEIC Event type fe. Felt at San Diego, California. After ECX.

(45) California-Baja California border region

ISC	**VII**	**01 06 36 06.2–.99**	**32.20N–.02**	**115.31W–.02**	**6–7**	**4.6b,4.1s**	**624**	**0-119**
BJI	VII	01 06 36 01.9	31.86N	115.63W	6	4.9b,4.6s		**¶601218173**
ISCJB	VII	01 06 36 04.9–.41	32.18N–.01	115.28W–.01	5–2	4.5b,4.0s		
ECX	VII	01 06 36 07.2–.59	32.20N	115.31W	8	4.8L,4.6		
NEIC	VII	01 06 36 07.3–.00	32.19N	115.31W	8	4.8,4.7W		
GCMT	VII	01 06 36 07.3–.40	32.18N	115.24W	12	4.8W,4.7W		
MEX	VII	01 06 36 08.3–.37	32.29N	115.17W	17–8	4.2,4.7W		
IDC	VII	01 06 36 10.9–3.3	32.31N	115.09W	30–22	4.2,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=22.5.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type fe. Felt [III] at Mexicali and [II] at Alberto Oviedo Mota and Ensenada. Also felt at Tijuana. Felt [IV] at El Centro and [III] at Calexico, Chula Vista, El Cajon, Lakeside, Ocotillo and San Diego, California. Felt [III] at Yuma and [II] at Somerton, Arizona. After ECX.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s9,c10; s78,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.09 $M_{\theta\theta}$-1.65±.09; $M_{\phi\phi}$1.67±.06; $M_{r\theta}$-0.29±.25; $M_{\theta\phi}$-0.71±.07; $M_{\phi r}$-1.46±.21; Best double couple: NP1:ϕ_s213.00000°,δ85.00000°,λ36.00000°. NP2:ϕ_s119.00000°,δ54.00000°,λ174.00000°. Principal axes: T 2.5680,Plg29.0000°,Azm83.0000°; N -0.5430,Plg53.0000°,Azm220.0000°; P -2.0180,Plg21.0000°,Azm341.0000° $M_0$2.29300×10^{16}
MEX Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=9.7km az=44.0.

(259) Mindanao

ISC	**VII**	**01 07 49 54.6–.61**	**5.65N–.04**	**125.67E–.06**	**157–5**	**4.6b**	**178**	**1-152**
BJI	VII	01 07 49 50.1	5.41N	125.87E	145	4.8b,4.7b		**¶601218176**
IDC	VII	01 07 49 54.0–.62	5.69N	125.48E	152–5	4.6,4.2		
MAN	VII	01 07 49 53.4	5.58N	125.72E	153	5.5b,4.8s		
NEIC	VII	01 07 49 53.9–.62	5.66N	125.54E	151–6	4.7b,4.8s		
ISCJB	VII	01 07 49 53.3–.28	5.67N–.02	125.69E–.04	158–3	4.6b,4.8s		
DJA	VII	01 07 49 54.5–.40	6N–4.0	126E–5.0	149–4	5.2b,5.1		

ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at General Santos.
ISCJB Event type fe.

(45) California-Baja California border region

ISC	**VII**	**01 07 54 20.3–1.2**	**32.19N–.03**	**115.28W–.02**	**2–9**	**3.0s**	**137**	**0-38**
IDC	VII	01 07 54 21.6–1.6	32.17N	115.16W	0	3.5,3.4		**¶601224674**
ECX	VII	01 07 54 21.7–.61	32.20N	115.29W	8	4.2L,4.0		
NEIC	VII	01 07 54 21.8–.00	32.20N	115.29W	8	4.2,4.2b		
MEX	VII	01 07 54 22.3–.30	32.38N	115.11W	20–3	4.1,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=10.0km az=36.0.
ECX Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt at Mexicali. Also felt at Calexico, Campo and El Centro, California and at Yuma, Arizona. After ECX.
MEX Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0.

(35) Near coast of northern California

ISC	**VII**	**01 10 05 53.2–.94**	**39.79N–.02**	**123.33W–.03**	**9–8**		**97**	**0-17**
ISCJB	VII	01 10 05 52.7–.32	39.81N–.02	123.35W–.04	4–4			**¶602540360**
NEIC	VII	01 10 05 53.0–.00	39.78N	123.35W	11	3.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=165.2.
NEIC Event type fe. Felt at Arcata, Laytonville and Magalia. After NCEDC. Moment Tensor Solution. $M_0$2.70000×10^{14}

(43) Southern California

NEIC	**VII**	**01 11 24 56.9–.00**	**33.80N**	**118.35W**	**10**	**2.0L**		**¶602540361**

NEIC Event type fe. Felt [II] at Redondo Beach. Also felt at Torrance. After PAS.

(121) Off coast of northern Chile

ISC	**VII**	**01 17 44 58.6–.70**	**20.68S–.03**	**71.47W–.05**	**29–4**	**4.7b,3.9s**	**701**	**2-174**
MOS	VII	01 17 44 57.6–1.3	20.51S	71.17W	29	4.9b,3.9s		**¶601218201**
NEIC	VII	01 17 44 58.0–.00	20.84S	71.32W	33	5.1L,4.7b		
ISCJB	VII	01 17 44 58.4–.59	20.60S–.02	71.34W–.05	46–6	4.6b,4.0s		
BJI	VII	01 17 44 59.8	20.60S	70.80W	30	5.0s,4.9		
GUC	VII	01 17 44 59.5–.48	20.59S	71.25W	32–2	5.2L,4.9		
IDC	VII	01 17 45 01.6–.65	20.55S	71.37W	50–5	4.8,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=17.6km s-min=7.1km az=113.7.
NEIC Event type fe. Felt [III] at Alto Hospicio, Iquique and Pica. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.3km az=174.2.
GUC Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=10.2km az=78.0.

(136) Central Chile

ISC	**VII**	**01 23 39 09.1–.26**	**28.55S–.03**	**71.14W–.05**	**36–1**	**5.2b,4.8s**	**984**	**0-177**
ISCJB	VII	01 23 39 07.9–.11	28.38S–.02	70.93W–.04	39	5.2b,4.7s		**¶601221107**
MOS	VII	01 23 39 07.4–1.2	28.50S	70.92W	33	5.4b,4.7s		
NEIC	VII	01 23 39 08.8–.12	28.56S	70.88W	35	5.4L,5.4W		
GUC	VII	01 23 39 08.4–.95	28.67S	70.94W	55–5	5.4L,5.4W		
GCMT	VII	01 23 39 08.8–.20	28.66S	71.52W	40–0	5.3W,5.4W		
IDC	VII	01 23 39 09.1–.37	28.54S	70.99W	42–2	4.7,4.6		
BJI	VII	01 23 39 11.0	28.70S	70.80W	40	5.2s,5.1b		
SJA	VII	01 23 39 13.7–1.2	28.85S	71.09W	53–20	5.2L,5.1W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.3km az=162.0.
MOS Error ellipse: s-maj=13.6km s-min=5.8km az=102.5.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.0km az=77.0. Felt [V] at Huasco; [IV] at Copiapo, Tierra Amarilla and Vallenar; [III] at Alto del Carmen, Caldera, Coquimbo, Freirina, La Higuera and La Serena; [II] at Paiguano, Rio Hurtado and Vicuna. Moment Tensor Solution. s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.01 $M_{\theta\phi}$0.10 $M_{\phi r}$-1.05 Best double couple: NP1:ϕ_s178.00000°,δ78.00000°,λ95.00000°. NP2:ϕ_s337.00000°,δ13.00000°,λ70.00000°. Principal axes: T 1.1900,Plg57.0000°,Azm94.0000°; N -0.0600,Plg5.0000°,Azm357.0000°; P -1.1300,Plg32.0000°,Azm264.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.51 $M_{r\theta}$-0.03 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s182.00000°,δ51.00000°,λ91.00000°. NP2:ϕ_s1.00000°,δ39.00000°,λ89.00000°. Principal axes: T 1.5900,Plg84.0000°,Azm97.0000°; N -0.0400,Plg1.0000°,Azm2.0000°; P -1.5500,Plg6.0000°,Azm272.0000° $M_0$1.60000×10^{17}
GUC Error ellipse: s-maj=3.0km s-min=15.6km az=-1.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s90,c138; s99,c156; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.85±.02 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-0.95±.02; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.07±.01; $M_{\phi r}$-0.50±.02; Best double couple: NP1:ϕ_s165.00000°,δ62.00000°,λ70.00000°. NP2:ϕ_s23.00000°,δ34.00000°,λ123.00000°. Principal axes: T 1.0910,Plg67.0000°,Azm37.0000°; N -0.0070,Plg18.0000°,Azm175.0000°; P -1.0840,Plg15.0000°,Azm270.0000° $M_0$1.08800×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=77.0.
SJA Error ellipse: s-maj=8.4km s-min=12.0km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**02 02 06 20.6–1.4**	**40.03N–.03**	**142.05E–.05**	**6–8**	**4.2b,3.6s**	**86**	**0-144**
NIED	VII	02 02 06 00	40.00N	142.00E	5	4.2W,3.6s		**¶605671870**
IDC	VII	02 02 06 19.4–.67	39.99N	142.12E	0	4.0,3.9		
ISCJB	VII	02 02 06 20.1–.78	40.03N–.02	142.04E–.04	13–4	4.1b,3.5s		
JMA	VII	02 02 06 21.3	40.03N	141.96E	9	4.5,3.5s		
NEIC	VII	02 02 06 25.1–.76	40.00N	142.13E	40–6	4.5b,3.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s94.00000°,δ28.00000°,λ-83.00000°. NP2:ϕ_s265.00000°,δ62.00000°,λ-94.00000°. $M_0$2.53000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=14.2km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=10.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s269.00000°,δ51.00000°,λ-83.00000°. NP2:ϕ_s78.00000°,δ39.00000°,λ-98.00000°. Principal axes: T Plg6.0000°,Azm354.0000°; N Plg5.0000°,Azm85.0000°; P Plg82.0000°,Azm214.0000°
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.8km az=106.0. Recorded [4 JMA] in Iwate.

(228) Near east coast of eastern Honshu

ISC	**VII**	**02 06 23 27.3–.50**	**37.48N–.04**	**141.66E–.04**	**44–4**	**4.5b,3.5s**	**293**	**1-146**
NIED	VII	02 06 23 00	37.50N	141.70E	44	4.4W,3.5s		**¶601221120**
BJI	VII	02 06 23 25.3	37.42N	141.64E	50	4.8b,4.8b		
ISCJB	VII	02 06 23 26.6–.40	37.48N–.03	141.57E–.03	51–3	4.5b,3.5s		
JMA	VII	02 06 23 26.9–.10	37.48N	141.59E	46–2	4.4,3.5s		
MOS	VII	02 06 23 26.2–.85	37.72N	141.45E	33	4.7b,3.5s		
IDC	VII	02 06 23 27.7–.53	37.45N	141.54E	46–4	4.5,4.3		
NEIC	VII	02 06 23 29.1–.52	37.48N	141.49E	58–4	4.4b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ16.00000°,λ86.00000°. NP2:ϕ_s23.00000°,δ74.00000°,λ91.00000°. $M_0$4.66000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=40.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.7km az=103.3.
IDC Error ellipse: s-maj=11.9km s-min=9.0km az=107.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=134.0. Recorded [3 JMA] in Fukushima.

(115) Near coast of Peru

ISC	**VII**	**02 23 31 37.7–.24**	**14.49S–.03**	**75.66W–.04**	**38–1**	**5.9b,5.3s**	**1685**	**3-179**
IDC	VII	02 23 31 31.4–.32	14.39S	75.91W	0	5.4,5.4		**¶601233569**

MOS VII 02 23 31 35.8–1.1 14.39S 75.75W 33 5.9b,5.2s
ISCJB VII 02 23 31 36.0–.12 14.39S–.02 75.60W–.03 43 5.8b,5.3s
BJI VII 02 23 31 36.5 14.40S 75.60W 35 5.7s,5.6b
GCMT VII 02 23 31 37.9–.10 14.53S 76.02W 38–0 5.8W,5.6b
NEIC VII 02 23 31 37.9–.52 14.42S 75.60W 40–4 6.0b,5.7W
NEIC VII 02 23 31 37.0–.00 14.64S 75.97W 35 6.0b,5.7W
ISC Event type fe.
IDC Error ellipse: s-maj=11.2km s-min=7.6km az=80.0.
MOS Error ellipse: s-maj=9.7km s-min=4.8km az=108.1.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.3km az=150.7.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s117,c228; s125,c303;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.82±.05 $M_{\theta\theta}$0.07±.04; $M_{\phi\phi}$-3.89±.05; $M_{r\theta}$0.17±.05; $M_{\theta\phi}$1.69±.03; $M_{\theta r}$-3.76±.08; Best double couple: NP1: ϕ_s172.00000°,δ67.00000°,λ102.00000°. NP2:ϕ_s325.00000°,δ26.00000°,λ65.00000°. Principal axes: T 5.3950,Plg66.0000°,Azm104.0000°; N 0.4730,Plg11.0000°,Azm348.0000° ; P -5.8690,Plg21.0000°,Azm254.0000° $M_0$5.63200×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=65.0. Felt [IV] at Ica and [II] at Lima. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-2.43 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.34 $M_{\theta r}$-2.42 Best double couple: NP1:ϕ_s178.00000°,δ67.00000° ,λ95.00000°. NP2:ϕ_s346.00000°,δ23.00000°,λ78.00000°. Principal axes: T 3.4400,Plg67.0000°,Azm97.0000°; N 0.0200,Plg5.0000°,Azm357.0000° ; P -3.4600,Plg22.0000°,Azm265.0000° $M_0$3.50000×10^{17}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-1.93 $M_{r\theta}$-0.02 $M_{\theta\phi}$1.30 $M_{\theta r}$-4.03 Best double couple: NP1:ϕ_s172.00000° ,δ73.00000°,λ105.00000°. NP2:ϕ_s310.00000°,δ22.00000°,λ50.00000°. Principal axes: T 5.2500,Plg59.0000°,Azm102.0000°; N -0.6800,Plg13.0000°,Azm347.0000° ; P -4.5700,Plg26.0000°,Azm250.0000° $M_0$4.90000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**03 00 46 13.5–.79**	**37.35N–.04**	**142.06E–.03**	**14–4**	**4.6b,4.2s**	**307**	**1-146**
NIED	VII	03 00 46 00	37.30N	142.00E	23	4.4W,4.2s		¶603633458
IDC	VII	03 00 46 10.8–.47	37.30N	142.11E	0	4.5,4.4		
ISCJB	VII	03 00 46 12.7–.67	37.35N–.03	142.05E–.03	15–4	4.5b,4.2s		
JMA	VII	03 00 46 14.5–.20	37.35N	142.00E	36–4	4.6,4.2s		
BJI	VII	03 00 46 15.6	37.30N	142.07E	47	4.9b,4.8b		
MOS	VII	03 00 46 15.0–1.3	37.42N	142.12E	33	4.7b,4.8b		
NEIC	VII	03 00 46 17.8–.49	37.28N	141.98E	44–4	4.6b,4.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ26.00000°,λ-36.00000°. NP2:ϕ_s192.00000°,δ75.00000°,λ-111.00000°. $M_0$3.88000×10^{15}
IDC Error ellipse: s-maj=13.5km s-min=10.7km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=157.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=5.7km az=94.9.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=149.0. Felt at Yokosuka. Recorded [2 JMA] in Fukushima and Miyagi.

(216) Mariana Islands

ISC	**VII**	**03 02 02 19.6–.35**	**13.89N–.06**	**144.91E–.07**	**125**	**4.5b**	**116**	**0-148**
BJI	VII	03 02 02 15.6	13.48N	145.02E	134	4.7b,4.6b		¶601258031
ISCJB	VII	03 02 02 20.9–.23	13.79N–.03	144.68E–.06	150	4.4b,4.6b		
IDC	VII	03 02 02 20.8–.33	13.82N	144.71E	132–3	4.3,4.0		
NEIC	VII	03 02 02 21.1–.75	13.85N	144.70E	140–7	4.8b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=175.1.
IDC Error ellipse: s-maj=19.9km s-min=9.2km az=81.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.3km az=93.0. Felt at Andersen AFB, Barrigada, Dededo, Mangilao, Santa Rita and Yigo.

(230) Near south coast of eastern Honshu

ISC	**VII**	**03 02 31 02.9–.27**	**34.96N–.02**	**139.91E–.03**	**89–2**	**5.3b**	**1543**	**0-163**
BJI	VII	03 02 30 55.1	34.77N	140.46E	85	5.1b,5.0b		¶601235606
NIED	VII	03 02 31 00	35.00N	139.80E	89	5.1W,5.0b		
MOS	VII	03 02 31 01.4–.95	34.96N	139.79E	85	5.3b,5.0b		
ISCJB	VII	03 02 31 02.3–.20	34.94N–.02	139.77E–.02	92–1	5.2b,5.0b		
JMA	VII	03 02 31 02.3–.20	35.00N	139.87E	88–2	5.2,5.0b		
NEIC	VII	03 02 31 03.1–.08	34.93N	139.74E	86	5.3b,5.0b		
GCMT	VII	03 02 31 03.1–.20	34.99N	139.89E	82–2	5.1W,5.0b		
IDC	VII	03 02 31 03.8–.53	34.94N	139.70E	94–4	5.2,4.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ26.00000°,λ60.00000°. NP2:ϕ_s186.00000°,δ68.00000°,λ104.00000°. $M_0$4.75000×10^{16}
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=174.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s201.00000°,δ79.00000°,λ97.00000°. NP2: ϕ_s347.00000°,δ13.00000°,λ56.00000°. Principal axes: T Plg55.0000°,Azm120.0000° ; N Plg7.0000°,Azm20.0000°; P Plg34.0000°,Azm285.0000°
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=156.0. Felt [IV] at Saitama, Tokyo, Yokohama and Yokosuka. Felt widely in southeastern Honshu. Recorded [4 JMA] in Chiba, Kanagawa and Shizuoka.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s57,c78; s105,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.73±.17 $M_{\theta\theta}$3.66±.15; $M_{\phi\phi}$-5.39±.15; $M_{r\theta}$0.00±.10; $M_{\theta\phi}$1.58±.15; $M_{\theta r}$-3.94±.09; Best double couple: NP1:ϕ_s208.00000°,δ85.00000° ,λ140.00000°. NP2:ϕ_s302.00000°,δ50.00000°,λ6.00000°. Principal axes: T 4.3260,Plg31.0000°,Azm157.0000°; N 3.0040,Plg50.0000°,Azm23.0000° ; P -7.3310,Plg23.0000°,Azm262.0000° $M_0$5.82900×10^{16}
IDC Error ellipse: s-maj=7.5km s-min=4.2km az=76.0.

(227) Eastern Honshu

JMA	**VII**	**03 02 32 55.3**	**37.10N**	**140.49E**	**11–1**	**4.2**		**¶603633484**

JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**VII**	**03 04 22 17.4–.51**	**38.02N–.04**	**142.03E–.05**	**43–4**	**4.3b,3.7s**	**174**	**1-146**
NIED	VII	03 04 22 00	38.00N	141.90E	47	4.4W,3.7s		¶601258033
BJI	VII	03 04 22 14.3	37.85N	142.21E	50	4.8b,4.6b		
ISCJB	VII	03 04 22 15.3–.49	38.00N–.02	142.05E–.04	41–4	4.3b,3.6s		
MOS	VII	03 04 22 15.5–1.1	38.01N	142.04E	42	4.4b,3.6s		
JMA	VII	03 04 22 17.3–.10	38.03N	141.87E	46–1	4.4,3.6s		
NEIC	VII	03 04 22 17.5–.27	38.01N	142.04E	44	4.5b,3.6s		
IDC	VII	03 04 22 17.8–.55	38.01N	141.90E	44–5	4.2,4.2L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ25.00000°,λ126.00000°. NP2:ϕ_s315.00000°,δ70.00000°,λ75.00000°. $M_0$4.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=21.5.
MOS Error ellipse: s-maj=9.4km s-min=6.1km az=86.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=120.0. Felt at Atsugi. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.0km s-min=9.7km az=107.0.

(224) Hokkaido region

ISC	**VII**	**03 04 52 49.3–.59**	**41.44N–.04**	**141.98E–.04**	**53–5**	**4.0b**	**87**	**1-152**
NIED	VII	03 04 52 00	41.50N	141.90E	53	4.1W		¶601505921
ISCJB	VII	03 04 52 48.4–.26	41.47N–.02	141.99E–.03	60–3	4.0b		
MOS	VII	03 04 52 48.1–1.0	41.45N	141.93E	56	4.3b		
JMA	VII	03 04 52 49.0–.10	41.46N	141.94E	55–2	4.1		
IDC	VII	03 04 52 50.2–.75	41.41N	141.90E	63–6	4.1,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s108.00000°,δ47.00000°,λ112.00000°. NP2:ϕ_s257.00000°,δ47.00000°,λ68.00000°. $M_0$1.54000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=43.7.
MOS Error ellipse: s-maj=13.4km s-min=6.8km az=69.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s101.00000°,δ47.00000°,λ90.00000°. NP2: ϕ_s281.00000°,δ43.00000°,λ90.00000°. Principal axes: T Plg88.0000°,Azm11.0000° ; N Plg0.0000°,Azm101.0000°; P Plg2.0000°,Azm191.0000°
IDC Error ellipse: s-maj=14.4km s-min=12.4km az=113.0.

(400) Central Mediterranean Sea

ISC	**VII**	**03 05 03 42.4–.37**	**34.05N–.05**	**14.68E–.03**	**10**	**4.5b,3.6s**	**648**	**3-126**
BJI	VII	03 05 03 38.8	34.13N	14.14E	10	4.9b,4.7b		¶601235618
PDG	VII	03 05 03 38.4–.35	33.86N	15.48E	5–1	5.0L,4.7b		
IDC	VII	03 05 03 40.8–.53	33.98N	14.72E	0	4.3,4.2		
TUN	VII	03 05 03 40.8	34.09N	14.05E	2	5.5,4.2		
ISCJB	VII	03 05 03 40.6–.21	34.14N–.02	14.69E–.02	10	4.4b,3.7s		
NEIC	VII	03 05 03 40.6–1.5	34.00N	14.67E	1–9	4.5b,3.7s		
GCMT	VII	03 05 03 40.7–.50	33.91N	14.71E	14–3	4.8W,3.7s		
CSEM	VII	03 05 03 42.2–.13	34.10N	14.68E	10	4.5b,3.7s		
CRAAG	VII	03 05 03 43.9	34.06N	14.71E		4.7b,3.7s		
MOS	VII	03 05 03 45.8–1.2	34.29N	14.78E	32	4.5b,3.7s		

ISC Event type fe.
PDG Event type ke. Error ellipse: s-maj=10.8km s-min=3.9km az=90.0.
IDC Error ellipse: s-maj=13.9km s-min=11.4km az=141.0.
TUN Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.9km az=167.1.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=176.0. Felt at Valletta, Malta.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s16,c18; s60,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29±.12 $M_{\theta\theta}$1.50±.11; $M_{\phi\phi}$-1.79±.14; $M_{r\theta}$0.10±.24; $M_{\theta\phi}$-0.30±.09; $M_{\theta r}$0.39±.28; Best double couple: NP1:ϕ_s230.00000°,δ85.00000° ,λ-170.00000°. NP2:ϕ_s140.00000°,δ80.00000°,λ-5.00000°. Principal axes: T 1.5310,Plg3.0000°,Azm5.0000°; N 0.3540,Plg79.0000°,Azm257.0000° ; P -1.8900,Plg10.0000°,Azm95.0000° $M_0$1.71000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=161.0.
MOS Error ellipse: s-maj=8.0km s-min=3.3km az=68.5.

(246) Southwestern Ryukyu Islands

ISC	**VII**	**03 05 39 34.9–.77**	**24.97N–.08**	**125.62E–.06**	**51–6**	**3.9b,3.1s**	**71**	**0-97**
NIED	VII	03 05 39 00	25.00N	125.70E	65	4.1W,3.1s		¶601505922
IDC	VII	03 05 39 28.3–.76	25.02N	125.39E	0	4.0,3.9		
ISCJB	VII	03 05 39 34.3–.34	25.03N–.05	125.56E–.05	58–3	3.9b,3.0s		
JMA	VII	03 05 39 34.3–.10	24.99N	125.62E	55–1	3.8,3.0s		
NEIC	VII	03 05 39 36.6–.67	25.02N	125.49E	64–6	4.2b,3.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ43.00000°,λ39.00000°. NP2: ϕ_s247.00000°,δ64.00000°,λ126.00000°. $M_0$1.67000×10^{15}
IDC Error ellipse: s-maj=27.4km s-min=17.4km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=4.3km az=143.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.2km az=138.0. Recorded [1 JMA] on Miyako-jima.

(136) Central Chile

ISC	**VII**	**03 05 47 34.7–.39**	**28.11S–.04**	**70.61W–.05**	**67–3**	**4.4b**	**167**	**0-160**
SJA	VII	03 05 47 26.5–.57	27.62S	71.16W	71–9	5.2W,4.7L		¶601235620
ISCJB	VII	03 05 47 34.4–.31	28.13S–.03	70.42W–.06	73–2	4.2b,4.7L		
GUC	VII	03 05 47 34.9–.54	28.16S	70.48W	53–6	4.6L,4.7L		
NEIC	VII	03 05 47 35.0–.00	28.17S	70.42W	62	4.6L,4.4b		
IDC	VII	03 05 47 35.3–.51	28.09S	70.37W	67–4	4.3,4.2		

ISC Event type fe.
SJA Error ellipse: s-maj=12.3km s-min=9.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.7km az=0.1.
GUC Error ellipse: s-maj=2.9km s-min=10.2km az=-1.0.
NEIC Event type fe. Felt [V] at Caldera, Copiapo and Tierra Amarilla; [IV] at Huasco, La Higuera and Vallenar; [III] at Alto del Carmen, Freirina and La Serena; [II] at Paihuano and Rio Hurtado. After GUC.
IDC Error ellipse: s-maj=19.7km s-min=12.0km az=74.0.

(546) Austria

ISC	**VII**	**03 09 44 58.1–.77**	**47.32N–.02**	**11.63E–.02**	**15–4**		**101**	**0-4**
CSEM	VII	03 09 44 57.5–.13	47.35N	11.64E	10	2.8L		¶601235876
VIE	VII	03 09 44 57.5–.18	47.27N	11.62E	14–1	2.8L,1.9b		
BGR	VII	03 09 44 58.5–.28	47.34N	11.64E	10	2.5L,1.9b		
ROM	VII	03 09 44 58.9–.62	47.23N–.03	11.58E–.03	10	2.3L,1.9b		
PRU	VII	03 09 44 59.3	47.35N	11.68E	0	2.3L,1.9b		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=165.0.
VIE Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=161.0. 8 km E of Hall in Tirol . felt 4 ems98 at Wattens / Tyrol.
BGR Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=167.0. Felt in Innsbruck-Wattens.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

(163) Cook Strait

ISC	**VII**	**03 10 36 15.9–.18**	**40.06S–.02**	**173.66E–.02**	**239–1**	**5.8b**	**1599**	**1-179**
ISCJB	VII	03 10 36 14.1–.10	40.03S–.02	173.64E–.02	230–1	5.7b		¶601235877
MOS	VII	03 10 36 14.1–1.3	39.94S	173.69E	227	5.9b		
WEL	VII	03 10 36 14.2	40S–4.0	174E–4.0	241–5	5.9b		
BJI	VII	03 10 36 15.1	39.86S	173.74E	236	5.5b,5.4b		
GCMT	VII	03 10 36 15.5–.10	40.05S	173.63E	230–0	6.3W,5.4b		
NEIC	VII	03 10 36 15.5–.00	40.02S	173.76E	230	6.3W,6.3W		
NEIC	VII	03 10 36 16.0–.00	40.06S	173.70E	230	6.3W,6.3W		
IDC	VII	03 10 36 16.5–.26	40.04S	173.65E	240–2	6.0,5.5b		
NEIC	VII	03 10 36 47.0–.00	39.17S	173.68E	267	6.0,5.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=44.4.
MOS Error ellipse: s-maj=9.5km s-min=7.1km az=95.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s147,c360; s143,c572;Duration: 3s5 Moment tensor: Scale 10^{18} Nm; M_{rr}0.36±.01 $M_{\theta\theta}$0.88±.02; $M_{\phi\phi}$-1.25±.02; $M_{r\theta}$2.80±.01; $M_{\theta\phi}$0.31±.02; $M_{\theta r}$-2.07±.01; Best double couple: NP1:ϕ_s128.00000°,δ87.00000°,λ72.00000°. NP2:ϕ_s30.00000° ,δ18.00000°,λ172.00000°. Principal axes: T 3.7380,Plg45.0000°,Azm21.0000° ; N -0.1480,Plg18.0000°,Azm129.0000°; P -3.5940,Plg40.0000°,Azm235.0000° $M_0$3.66600×10^{18}
NEIC Event type fe. Felt [V] at Blenheim, Kapiti and Porirua. Felt in most of New Zealand from Auckland and Bay of Plenty to Otago and Southland. Depth from broadband displacement seismograms. Energy computed from BB mechanism. After WEL. Moment Tensor Solution. $M_0$4.60000×10^{18} Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-1.02 $M_{r\theta}$2.74 $M_{\theta\phi}$-0.55 $M_{\theta r}$-2.08 Best double couple: NP1:ϕ_s311.00000° ,δ88.00000°,λ-75.00000°. NP2:ϕ_s49.00000°,δ15.00000°,λ-172.00000°. Principal axes: T 3.9500,Plg41.0000°,Azm28.0000°; N -0.7900,Plg15.0000°,Azm131.0000° ; P -3.1700,Plg45.0000°,Azm236.0000° $M_0$3.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s22.00000°,δ16.00000°,λ161.00000°. NP2: ϕ_s130.00000°,δ85.00000°,λ75.00000°. Principal axes: T Plg48.0000°,Azm24.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm233.0000°
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{18}Nm; M_{rr}0.29 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-1.42 $M_{r\theta}$2.85 $M_{\theta\phi}$0.28 $M_{\theta r}$-2.12 Best double couple: NP1:ϕ_s129.00000° ,δ88.00000°,λ70.00000°. NP2:ϕ_s34.00000°,δ20.00000°,λ175.00000°. Principal axes: T 3.8800,Plg43.0000°,Azm19.0000°; N -0.1800,Plg20.0000°,Azm129.0000° ; P -3.6900,Plg39.0000°,Azm237.0000° $M_0$3.80000×10^{18}
IDC Error ellipse: s-maj=6.9km s-min=5.3km az=47.0.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{18}Nm; M_{rr}0.34 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.27 $M_{r\theta}$2.18 $M_{\theta\phi}$0.74 $M_{\theta r}$-1.55 Best double couple: NP1:ϕ_s125.00000° ,δ86.00000°,λ65.00000°. NP2:ϕ_s26.00000°,δ26.00000°,λ170.00000°. Principal axes: T 2.8900,Plg43.0000°,Azm10.0000°; N 0.2000,Plg25.0000°,Azm127.0000° ; P -3.1000,Plg36.0000°,Azm237.0000° $M_0$3.00000×10^{18}

(259) Mindanao

ISC	**VII**	**03 12 09 06.2–.86**	**10.07N–.03**	**126.07E–.05**	**63–8**	**4.7b**	**207**	**1-169**
MAN	VII	03 12 09 01.3	10.07N	126.15E	1	5.3b,4.4s		¶601663435
ISCJB	VII	03 12 09 06.3–.41	10.04N–.02	126.03E–.04	79–3	4.5b,4.4s		
IDC	VII	03 12 09 08.0–2.3	10.00N	125.81E	82–21	4.7,4.4		
NEIC	VII	03 12 09 08.7–.62	9.96N	125.82E	88–5	4.8b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.7km az=161.2.
IDC Error ellipse: s-maj=15.7km s-min=8.9km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=75.0. Felt [III PIVS] at Dapa and General Luna and [II PIVS] at Pilar and Surigao.

(221) Kuril Islands

ISC	**VII**	**03 12 47 28.0–2.1**	**43.12N–.08**	**146.22E–.05**	**17–11**		**25**	**0-5**
JMA	VII	03 12 47 29.8–.10	43.07N	146.18E	41–1	3.4		¶603312201
SKHL	VII	03 12 47 31.1–.90	43.25N	146.17E	70–5	4.4b		

ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(227) Eastern Honshu

JMA	**VII**	**03 13 20 58.5**	**35.39N**	**138.96E**	**18–1**	**3.2**		**¶603633669**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s36.00000°,δ61.00000°,λ122.00000°. NP2:ϕ_s163.00000°,δ43.00000°,λ46.00000°.

Principal axes: T Plg60.0000°,Azm355.0000°; N Plg28.0000°,Azm198.0000°; P Plg10.0000°,Azm103.0000°

(111) Northern Peru

ISC	**VII**	**03 13 47 02.3–.26**	**4.12S–.04**	**76.14W–.04**	**108–2**	**5.1b**	**1269**	**3-165**
MOS	VII	03 13 47 02.8–1.0	4.00S	76.32W	120	4.9b		**¶601505926**
IDC	VII	03 13 47 02.4–.31	4.01S	76.19W	104–2	4.9,4.7		
GCMT	VII	03 13 47 03.2–.40	4.05S	76.17W	114–5	4.9W,4.7		
ISCJB	VII	03 13 47 03.9–.34	3.98S–.02	76.27W–.03	135–2	4.9b,4.7		
NEIC	VII	03 13 47 03.2–.13	4.04S	76.15W	115	5.2L,5.1b		
IGQ	VII	03 13 47 04.2–.28	4S–3.0	76W–5.0	123–6	5.7,5.2b		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s22,c25; s64,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.22±.16 $M_{\theta\theta}$1.78±.23; $M_{\phi\phi}$1.44±.31; $M_{r\theta}$0.45±.15; $M_{\theta\phi}$-1.32±.19; $M_{\phi r}$0.79±.22; Best double couple: NP1:ϕ_s145.00000°,δ48.00000°,λ-72.00000°. NP2:ϕ_s298.00000°,δ45.00000°,λ-109.00000°. Principal axes: T 2.9470,Plg2.0000°,Azm222.0000°; N 0.4920,Plg13.0000°,Azm312.0000°; P -3.4380,Plg76.0000°,Azm125.0000° $M_0$3.19200×10^{16}

ISCJB Event type fe.

NEIC Event type fe. Felt [II] at Bagua and Nueva Cajamarca.

(55) Near coast of Jalisco

ISC	**VII**	**03 16 00 00.9–1.3**	**19.24N–.08**	**104.92W–.06**	**18–4**	**4.3b,3.4s**	**93**	**0-136**
MEX	VII	03 16 00 01.9–1.4	19.24N	105.03W	5	3.7,3.4s		**¶601258034**
ISCJB	VII	03 16 00 02.2–1.0	19.25N–.06	104.84W–.05	33–6	4.2b,3.3s		
NEIC	VII	03 16 00 03.9–1.6	18.94N	104.60W	71–9	4.2b,3.3s		
IDC	VII	03 16 00 06.7–4.5	19.31N	104.67W	67–35	3.9,3.9		

ISC Event type fe.

MEX Error ellipse: s-maj=8.0km s-min=10.7km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.5km az=30.5.

NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=5.5km az=191.0. Felt at Cihuatlan and Puerto Vallarta, Jalisco.

IDC Error ellipse: s-maj=49.2km s-min=23.9km az=50.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**03 16 57 19.1–1.8**	**36.43N–.05**	**141.22E–.07**	**23–13**	**3.6b**	**30**	**1-60**
NIED	VII	03 16 57 00	36.40N	141.20E	32	3.6W		**¶601663440**
JMA	VII	03 16 57 21.0–.10	36.43N	141.10E	45–1	3.6		
IDC	VII	03 16 57 21.9–2.4	36.40N	141.22E	45–23	3.6,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s109.00000°,δ25.00000°,λ-38.00000°. NP2:ϕ_s234.00000°,δ75.00000°,λ-110.00000°. $M_0$2.86000×10^{14}

JMA Event type fe.

IDC Error ellipse: s-maj=20.0km s-min=17.9km az=83.0.

(235) Kyushu

ISC	**VII**	**03 17 38 36.9–.74**	**32.77N–.03**	**130.51E–.04**	**12**	**4.0b**	**17**	**0-74**
NIED	VII	03 17 38 00	32.80N	130.50E	5	3.7W		**¶601663443**
IDC	VII	03 17 38 32.8–1.5	33.18N	131.58E	0	3.8,3.8b		
ISCJB	VII	03 17 38 35.6–.51	32.80N–.03	130.48E–.05	12	3.8b,3.8b		
JMA	VII	03 17 38 36.3	32.78N	130.50E	10–1	3.7,3.8b		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s99.00000°,δ47.00000°,λ-69.00000°. NP2:ϕ_s250.00000°,δ47.00000°,λ-111.00000°. $M_0$3.49000×10^{14}

IDC Error ellipse: s-maj=24.7km s-min=10.9km az=161.0.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.7km az=172.2.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s220.00000°,δ60.00000°,λ-114.00000°. NP2:ϕ_s82.00000°,δ38.00000°,λ-55.00000°. Principal axes: T Plg12.0000°,Azm327.0000°; N Plg21.0000°,Azm232.0000°; P Plg66.0000°,Azm85.0000°

(509) Georgia

ISC	**VII**	**04 01 51 49.4–.88**	**33.16N–.02**	**83.00W–.02**	**14–7**		**138**	**0-28**
ISCJB	VII	04 01 51 48.5–.36	33.17N–.01	82.98W–.01	3–2			**¶601258038**
NEIC	VII	04 01 51 48.9–.00	33.12N	82.93W	10	2.7		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=152.2.

NEIC Event type fe. Felt [III] at Milledgeville and [II] at Sandersville. Also felt at Jackson and Sparta. After CERI.

(228) Near east coast of eastern Honshu

JMA	**VII**	**04 02 25 09.8–.10**	**36.70N**	**140.79E**	**46–1**	**3.6**		
								¶603634061

JMA Event type fe.

(221) Kuril Islands

ISC	**VII**	**04 02 37 47.4–.48**	**43.80N–.04**	**146.37E–.03**	**80–4**	**4.4b**	**292**	**0-148**
NIED	VII	04 02 37 00	43.70N	146.40E	80	4.2W		**¶601242401**
BJI	VII	04 02 37 42.3	43.79N	146.79E	75	4.9b,4.7b		
MOS	VII	04 02 37 46.5–1.0	43.72N	146.39E	90	4.5b,4.7b		
ISCJB	VII	04 02 37 47.2–.27	43.79N–.03	146.35E–.03	92–1	4.4b,4.7b		
NEIC	VII	04 02 37 47.2–.20	43.83N	146.32E	77	4.5b,4.7b		
SKHL	VII	04 02 37 48.2–.40	43.74N	146.37E	87–2	6.8s,5.9b		
JMA	VII	04 02 37 48.2–.10	43.71N	146.43E	79–2	4.0,5.9b		
IDC	VII	04 02 37 49.6–2.1	43.89N	146.25E	97–17	4.2,4.1		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ24.00000°,λ-132.00000°. NP2:ϕ_s29.00000°,δ73.00000°,λ-74.00000°. $M_0$2.30000×10^{15}

MOS Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=100.4. Felt (III) at Yuzhno-Kuril'sk; (II-III) at Malokuril'skoye. Moment Tensor Solution.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=145.8.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=153.0. Recorded [2 JMA] in eastern Hokkaido.

SKHL Event type fe. Felt (III) at Yushno-Kurilsk; felt (II-III) at Malokurilskoe.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

IDC Error ellipse: s-maj=14.6km s-min=10.7km az=157.0.

(25) Vancouver Island region

PGC	**VII**	**04 04 00 05.9–.25**	**48.66N**	**123.12W**	**15–0**	**3.1L,2.4L**		
NEIC	VII	04 04 00 05.8–.00	48.65N	123.13W	14	3.1L,2.4L		**¶601556017**

PGC Event type fe. 20km east of Sidney, Bc Vancouver Island, Canada Region Felt (I) in Saanich, Bc, one report.

NEIC Event type fe. Felt [III] at Friday Harbor and [II] at Eastsound. Also felt at Forks and Olga. Felt [II] at Victoria, British Columbia. Also felt at Vancouver and White Rock. After SEA.

(230) Near south coast of eastern Honshu

ISC	**VII**	**04 05 53 23.4–.72**	**34.89N–.04**	**139.97E–.04**	**57–6**	**4.2b,3.2s**	**73**	**0-94**
NIED	VII	04 05 53 00	34.90N	140.00E	53	4.0W,3.2s		**¶601565535**
ISCJB	VII	04 05 53 22.2–.31	34.92N–.03	139.99E–.04	68–2	4.2b,3.2s		
JMA	VII	04 05 53 22.6–.10	34.94N	139.97E	65–2	3.6,3.2s		
NEIC	VII	04 05 53 24.0–.82	34.82N	139.85E	64–7	4.4b,3.2s		
IDC	VII	04 05 53 25.6–1.1	34.80N	139.54E	71–7	4.2,4.0		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ31.00000°,λ52.00000°. NP2:ϕ_s245.00000°,δ66.00000°,λ110.00000°. $M_0$1.15000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=153.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s249.00000°,δ66.00000°,λ108.00000°. NP2: ϕ_s29.00000°,δ30.00000°,λ55.00000°. Principal axes: T Plg64.0000°,Azm189.0000°; N Plg17.0000°,Azm61.0000°; P Plg19.0000°,Azm325.0000°

NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.2km az=67.0.

IDC Error ellipse: s-maj=30.4km s-min=5.1km az=71.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**04 06 03 24.5–.97**	**36.65N–.04**	**140.98E–.07**	**42–8**	**4.0b**	**50**	**0-91**
NIED	VII	04 06 03 00	36.70N	141.00E	53	3.9W		**¶601505931**
ISCJB	VII	04 06 03 23.6–.51	36.64N–.03	140.99E–.06	52–3	4.0b,2.7s		
JMA	VII	04 06 03 24.6–.10	36.64N	140.93E	49–1	4.0,2.7s		
IDC	VII	04 06 03 30.1–1.8	36.61N	140.66E	96–15	4.0,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ23.00000°,λ107.00000°. NP2:ϕ_s11.00000°,δ68.00000°,λ83.00000°. $M_0$9.11000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.5km az=18.7.

JMA Event type fe.

IDC Error ellipse: s-maj=16.0km s-min=14.3km az=108.0.

(395) Morocco

ISC	**VII**	**04 07 44 15.2–1.4**	**34.89N–.05**	**2.96W–.03**	**20–6**		**282**	**0-9**
SFS	VII	04 07 44 16.0	34.90N	3.03W	0	4.4L		**¶601237353**
CRAAG	VII	04 07 44 16.0	34.96N	2.98W		4.0L		
CNRM	VII	04 07 44 16.2	34.92N	2.95W	2	4.4L		
MDD	VII	04 07 44 16.9–.36	34.93N	2.98W	5–3	3.4		
LDG	VII	04 07 44 17.6–.51	35.17N	3.07W	10	3.3L		
CSEM	VII	04 07 44 17.4–.29	34.95N	3.06W	15	3.4L		
INMG	VII	04 07 44 18.0–1.5	34.99N	2.93W	20–3	3.2L		
IGIL	VII	04 07 44 22.5	35.25N	3.33W	1	3.2L		

ISC Event type ke.

SFS Event type ke.

MDD Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=80.0. EMS: II INTENSIDAD MAXIMA-ESPAA. PRXIMO.

LDG Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=166.0.

CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=164.0.

INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=107.0.

(135) Near coast of central Chile

ISC	**VII**	**04 08 33 06.8–.33**	**38.00S–.03**	**72.92W–.06**	**31–2**	**4.7b,4.4s**	**826**	**1-176**
GUC	VII	04 08 33 05.7–1.1	38.04S	73.29W	33–7	5.2L,4.4s		**¶601237354**
GCMT	VII	04 08 33 05.0–.30	38.09S	73.31W	45–1	5.1W,4.4s		
NEIC	VII	04 08 33 05.0–.00	38.04S	73.29W	33	5.2L,4.7b		
MOS	VII	04 08 33 06.3–1.1	37.95S	72.93W	33	4.8b,4.7b		
SJA	VII	04 08 33 06.8–.55	37.92S	72.66W	30	5.4W,4.7L		
IDC	VII	04 08 33 07.8–.39	37.98S	72.80W	37–3	4.8L,4.7		
ISCJB	VII	04 08 33 07.6–.52	37.90S–.03	72.69W–.06	50–4	4.7b,4.5s		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s63,c74; s64,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.52±.22 $M_{\theta\theta}$-0.30±.14; $M_{\phi\phi}$-4.22±.14; $M_{r\theta}$-0.59±.11; $M_{\theta\phi}$0.53±.10; $M_{\phi r}$-3.42±.15; Best double couple: NP1:ϕ_s183.00000°,δ64.00000°,λ98.00000°. NP2:ϕ_s344.00000°,δ27.00000°,λ73.00000°. Principal axes: T 5.7860,Plg70.0000°,Azm110.0000°; N -0.3670,Plg8.0000°,Azm359.0000°; P -5.4180,Plg19.0000°,Azm266.0000° $M_0$5.60200×10^{16}

NEIC Event type fe. Felt [V] at Angol, Collipulli, Ercilla, Lautaro, Nueva Imperial, Padre Las Casas, Renaico and Temuco; [IV] at Canete, Carahue, Cholochol, Curacautin, La Laja, Lebu, Los Angeles, Nacimiento, Negrete, Puerto Saavedra and San Rosendo; [III] at Arauco, Chiguayante, Concepcion, Mulchen, San Pedro de la Paz, Talcahuano, Tirua and Yumbel. After GUC.

ISCJB Event type fe.

(43) Southern California

ISC	**VII**	**04 09 04 43.0–.87**	**33.38N–.01**	**116.27W–.01**	**12–6**		**173**	**0-12**
ISCJB	VII	04 09 04 42.6–.23	33.37N–.01	116.30W–.01	8–2			**¶601542017**
NEIC	VII	04 09 04 43.5–.00	33.38N	116.30W	14	3.4L		
MEX	VII	04 09 04 46.0–.47	33.31N	117.20W	10	3.6		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=33.1.

NEIC Event type fe. Felt [III] at Alpine, Indian Wells, La Quinta, Palm Springs and San Diego; [II] at Coachella, El Cajon, Escondido, Indio, Lakeside, Palm Desert, Ramona, Riverside, Spring Valley, Valley Center and Winchester. Felt at Tijuana, Baja California. After PAS.

MEX Error ellipse: s-maj=10.3km s-min=20.7km az=-1.0.

(256) Leyte

ISC	**VII**	**04 11 09 51.0–1.0**	**11.49N–.02**	**124.41E–.03**	**16–7**	**4.5b,3.9s**	**153**	**1-120**
IDC	VII	04 11 09 48.0–.48	11.48N	124.56E	0	4.4,4.4		**¶601240446**
MAN	VII	04 11 09 48.5	11.52N	124.38E	3	5.6b,4.9s		
BJI	VII	04 11 09 48.9	11.33N	124.59E	21	4.8b,4.7b		
NEIC	VII	04 11 09 50.7–2.5	11.38N	124.44E	18–15	4.7b,4.7b		
GCMT	VII	04 11 09 50.7–.30	11.57N	124.42E	13–1	4.8W,4.7b		
ISCJB	VII	04 11 09 50.9–.69	11.48N–.02	124.46E–.02	29–5	4.5b,3.9s		

ISC Event type fe.

NEIC Event type fe. Felt [V PIVS] at Calubian, [IV PIVS] at Leyte, [III PIVS] at Kananga and [II PIVS] at Matagob, Palompon and Tacloban. Also felt [V PIVS] at Naval and [IV PIVS] at Almeria, Culaba and Kawayan, Biliran Island. Felt [I PIVS] at Cebu City, Cebu.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s11,c12; s83,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.09 $M_{\theta\theta}$1.98±.09; $M_{\phi\phi}$-1.83±.10; $M_{r\theta}$-0.35±.20; $M_{\theta\phi}$-0.90±.07; $M_{\phi r}$-0.77±.25; Best double couple: NP1:ϕ_s59.00000°,δ79.00000°,λ-162.00000°. NP2:ϕ_s326.00000°,δ72.00000°,λ-12.00000°. Principal axes: T 2.1960,Plg5.0000°,Azm192.0000°; N 0.1450,Plg69.0000°,Azm90.0000°; P -2.3440,Plg21.0000°,Azm283.0000° $M_0$2.27000×10^{16}

ISCJB Event type fe.

(254) Panay

ISC	**VII**	**04 12 35 43.0–1.1**	**10.24N–.03**	**122.33E–.04**	**29–8**	**4.2b**	**76**	**0-90**
IDC	VII	04 12 35 38.8–.59	10.23N	122.39E	0	4.3L,4.1		**¶601551744**
MAN	VII	04 12 35 43.4	10.49N	122.34E	30	4.6b,3.5L		
NEIC	VII	04 12 35 44.1–.62	10.23N	122.44E	39–6	4.5b,3.5L		

ISC Event type fe.

IDC Error ellipse: s-maj=29.4km s-min=12.4km az=75.0.

NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=3.6km az=73.0. Felt [III PIVS] at Jordan and Nueva Valencia, Guimaras Island and [II PIVS] at Mandurriao, Panay.

(228) Near east coast of eastern Honshu

ISC	**VII**	**04 13 28 49.3–.62**	**40.98N–.03**	**142.02E–.04**	**62–4**	**4.5b**	**150**	**0-145**
NIED	VII	04 13 28 00	41.00N	142.00E	56	4.1W		**¶601242099**
BJI	VII	04 13 28 45.2	41.11N	142.77E	80	4.9b,4.7b		
ISCJB	VII	04 13 28 48.3–.34	41.00N–.02	142.04E–.04	66–2	4.3b,4.7b		
MOS	VII	04 13 28 48.5–.93	40.96N	142.12E	73	4.6b,4.7b		
JMA	VII	04 13 28 49.2–.10	40.98N	142.01E	57–2	4.0,4.7b		
NEIC	VII	04 13 28 50.9–.61	41.05N	142.00E	74–5	4.6b,4.7b		
IDC	VII	04 13 28 50.3–1.5	40.96N	142.08E	75–12	4.3,4.1		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ93.00000°. $M_0$1.87000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=28.0.

MOS Error ellipse: s-maj=8.8km s-min=6.0km az=97.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ76.00000°,λ96.00000°. NP2:ϕ_s183.00000°,δ15.00000°,λ68.00000°. Principal axes: T Plg58.0000°,Azm303.0000°; N Plg5.0000°,Azm204.0000°; P Plg31.0000°,Azm111.0000°

NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=118.0.

IDC Error ellipse: s-maj=16.2km s-min=9.5km az=108.0.

(138) La Rioja Province

ISC	**VII**	**04 15 23 30.6–.70**	**28.35S–.04**	**69.08W–.04**	**101–7**	**3.5b**	**71**	**1-151**
ISCJB	VII	04 15 23 29.8–.31	28.33S–.03	69.06W–.04	115–4	3.7b		**¶601242100**
NEIC	VII	04 15 23 29.4–.57	28.39S	68.95W	89–9	4.4L,3.9b		
IDC	VII	04 15 23 29.4–2.8	28.35S	68.91W	83–24	3.8,3.7		
SJA	VII	04 15 23 30.4–.46	28.37S	68.99W	117–3	4.3L,4.0W		
GUC	VII	04 15 23 30.8–1.2	28.41S	69.15W	98–9	4.4L,4.0W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=179.7.

NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=6.8km az=95.0. Felt [II] at Coquimbo and La Serena, Chile.

IDC Error ellipse: s-maj=30.4km s-min=17.7km az=88.0.

SJA Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.

GUC Error ellipse: s-maj=5.4km s-min=4.6km az=-1.0.

(232) Western Honshu

JMA	**VII**	**04 16 09 07.7**	**35.09N**	**135.63E**	**7–1**	**2.7**		
								¶603634426

JMA Event type fe.

(460) Wyoming

ISC	**VII**	**04 19 03 41.7–.86**	**43.77N–.04**	**105.24W–.04**	**0**		**34**	**1-61**
ISCJB	VII	04 19 03 40.6–.43	43.79N–.04	105.21W–.05	0	4.3b		**¶601663487**
NEIC	VII	04 19 03 41.9–.47	43.78N	105.25W	0	3.2L		
IDC	VII	04 19 03 45.0–3.3	43.91N	105.74W	26–27	3.9,3.9b		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=4.8km az=155.3.

NEIC Event type fm. Error ellipse: s-maj=7.5km s-min=6.4km az=148.0. 60 km [38 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=55.1km s-min=13.2km az=149.0.

(92) Leeward Islands

ISC	**VII**	**04 21 29 25.2–.28**	**18.15N–.03**	**62.99W–.03**	**89–2**	**5.0b**	**1543**	**0-164**
TRN	VII	04 21 29 23.6	18.32N	62.84W	82	4.6		**¶601241305**
BJI	VII	04 21 29 24.7	18.10N	63.37W	96	5.2b		
MOS	VII	04 21 29 24.5–.88	18.16N	62.98W	95	5.1b		
ISCJB	VII	04 21 29 24.9–.18	18.13N–.02	62.99W–.01	99–2	5.0b		
IDC	VII	04 21 29 24.8–.38	18.11N	62.99W	84–3	5.1,4.9		
NEIC	VII	04 21 29 26.1–.15	18.12N	62.98W	94–1	5.0W,5.0b		
GCMT	VII	04 21 29 26.1–.20	18.32N	62.99W	81–2	4.9W,5.0b		

ISC Event type fe.

TRN Event type fe. Felt in Antigua, St. Maarten, Anguilla,MMI III; St. Bartholomew III, St. Lucia II.

MOS Error ellipse: s-maj=5.4km s-min=4.1km az=105.9.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=27.3.
IDC Error ellipse: s-maj=7.9km s-min=5.8km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=212.0. Felt [V] at Lower Prince's Quarter and [IV] at Cole Bay, Duth Cul de Sac, Lowlands, Marigot, Philipsburg and Simpson Bay. Felt [IV] at Blowing Point, George Hill, Sandy Ground Village, Stoney Ground and The Valley and [III] at East End Village, Anguilla. Felt [IV] on Saint Barthelemy. Felt [IV] at Basseterre and [III] at Monkey Hill, Saint Kitts and [III] at Gingerland, Nevis. Also felt at Vieques, Puerto Rico and on Antigua, Guadeloupe, Saba, Saint Croix, Saint Eustatius, Saint John and Saint Thomas. Moment Tensor Solution. s19 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01 $M_{\theta\theta}$3.14 $M_{\phi\phi}$-0.13 $M_{r\theta}$-1.33 $M_{\theta\phi}$-0.60 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s99.00000° ,δ57.00000°,λ-91.00000°. NP2:ϕ_s281.00000°,δ33.00000°,λ-88.00000°. Principal axes: T 3.5200,Plg12.0000°,Azm190.0000°; N -0.2300,Plg1.0000°,Azm100.0000° ; P -3.2800,Plg78.0000°,Azm5.0000° $M_0$3.40000×10^{16}
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s45,c55; s82,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.24±.11 $M_{\theta\theta}$2.19±.12; $M_{\phi\phi}$0.05±.12; $M_{r\theta}$-1.59±.07; $M_{\theta\phi}$-0.06±.13; $M_{\phi r}$1.22±.07; Best double couple: NP1:ϕ_s113.00000°,δ66.00000° ,λ-73.00000°. NP2:ϕ_s256.00000°,δ29.00000°,λ-124.00000°. Principal axes: T 2.7750,Plg20.0000°,Azm190.0000°; N 0.3890,Plg16.0000°,Azm286.0000° ; P -3.1630,Plg65.0000°,Azm52.0000° $M_0$2.96900×10^{16}

(134) Off coast of central Chile

ISC	**VII**	**04 22 57 16.0–.42**	**37.49S–.05**	**73.99W–.07**	**10**	**4.7b,3.9s**	**87**	**1-175**
ISCJB	VII	04 22 57 14.0–.32	37.48S–.03	74.04W–.06	10	4.5b,3.9s		**¶601242102**
IDC	VII	04 22 57 14.2–.65	37.43S	73.99W	0	4.5,4.4		
GUC	VII	04 22 57 16.1–.61	37.53S	74.08W	21–11	4.8L,4.4		
NEIC	VII	04 22 57 16.0–.00	37.63S	74.08W	21	4.8L,4.6b		
BJI	VII	04 22 57 17.5	37.60S	74.10W	21	4.8s,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=3.7.
IDC Error ellipse: s-maj=26.4km s-min=14.0km az=85.0.
GUC Error ellipse: s-maj=2.6km s-min=6.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Arauco, Concepcion, Coronel, Hualpen, Lebu, Lota and Talcahuano; [III] at Chiguayante, San Pedro and San Pedro de la Paz; [II] at Penco. After GUC.

(228) Near east coast of eastern Honshu

JMA	**VII**	**05 01 42 58.1–.10**	**38.56N**	**142.36E**	**43–1**	**3.7**		
NIED	VII	05 01 42 00	38.60N	142.40E	53	3.5W		**¶603634624**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s76.00000°,δ47.00000°,λ120.00000°. NP2:ϕ_s216.00000°,δ51.00000°,λ62.00000°. $M_0$2.15000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**VII**	**05 07 28 51.9–1.7**	**39.02N–.04**	**142.39E–.06**	**10–10**	**3.6b**	**33**	**1-76**
NIED	VII	05 07 28 00	39.00N	142.40E	32	3.7W		**¶601663504**
ISCJB	VII	05 07 28 51.6–1.1	39.00N–.03	142.46E–.06	19–6	3.5b,2.6s		
JMA	VII	05 07 28 53.0–.10	39.04N	142.38E	31–1	3.8,2.6s		
IDC	VII	05 07 28 56.7–2.7	38.99N	142.44E	52–25	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s108.00000°,δ44.00000°,λ-35.00000°. NP2:ϕ_s225.00000°,δ67.00000°,λ-128.00000°. $M_0$3.57000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.7km az=22.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=11.1km az=116.0.

(259) Mindanao

ISC	**VII**	**05 08 14 19.2–.35**	**5.13N–.03**	**126.64E–.04**	**60–2**	**5.2b,4.1s**	**1172**	**2-172**
MAN	VII	05 08 14 14.4	4.64N	126.56E	71	5.9b,5.3s		**¶601242115**
BJI	VII	05 08 14 14.3	4.69N	126.64E	64	5.1b,5.0b		
MOS	VII	05 08 14 14.7–.93	5.15N	126.49E	34	5.5b,4.1s		
IDC	VII	05 08 14 16.9–1.3	5.16N	126.53E	39–10	5.5L,5.1		
ISCJB	VII	05 08 14 18.6–.32	5.09N–.01	126.58E–.02	72–3	5.1b,5.1		
DJA	VII	05 08 14 18.9–.30	5N–2.0	127E–2.0	80–4	5.7,5.7b		
NEIC	VII	05 08 14 19.3–.45	5.13N	126.55E	62–4	5.3b,5.7b		
GCMT	VII	05 08 14 19.3–.20	5.10N	126.71E	36–1	5.2W,5.7b		
KLM	VII	05 08 14 26.0	5.40N	126.62E	105	5.4b,5.7b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.2km s-min=4.2km az=114.0.
IDC Error ellipse: s-maj=10.7km s-min=7.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=159.3.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=78.0. Felt [I PIVS] at General Santos.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s64,c84; s96,c139; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.22 $M_{\theta\theta}$0.14±.15; $M_{\phi\phi}$-2.40±.17; $M_{r\theta}$-2.15±.19; $M_{\theta\phi}$-2.94±.11; $M_{\phi r}$6.31±.34; Best double couple: NP1:ϕ_s351.00000°,δ81.00000° ,λ64.00000°. NP2:ϕ_s244.00000°,δ27.00000°,λ161.00000°. Principal axes: T 8.1550,Plg47.0000°,Azm234.0000°; N -1.1350,Plg26.0000°,Azm355.0000° ; P -7.0190,Plg32.0000°,Azm103.0000° $M_0$7.58700×10^{16}

(337) Eastern Caucasus

ISC	**VII**	**05 08 49 05.8–.86**	**43.53N–.02**	**45.89E–.01**	**19–2**	**3.6b**	**278**	**0-73**
DRS	VII	05 08 49 02.5–.00	43.64N	45.54E	18	3.6b		**¶601404909**
IDC	VII	05 08 49 03.1–.70	43.50N	45.62E	0	3.9,3.8		
CSEM	VII	05 08 49 04.9–.15	43.57N	45.86E	2	4.0b,3.8		
MOS	VII	05 08 49 04.7–1.4	43.64N	45.90E	16	4.1b,3.8		
MOS	VII	05 08 49 04.4–.00	43.46N	45.86E	10–0	4.7,3.8		
NORS	VII	05 08 49 04.4–.00	43.48N	45.88E	11–0	4.7,3.8		
ISCJB	VII	05 08 49 05.0–.42	43.70N–.02	45.93E–.02	15–3	3.6b,3.8		
AZER	VII	05 08 49 06.0–6.9	43.10N	45.63E	1	3.9L,3.8		
NNC	VII	05 08 49 10.2–12	44.03N	46.26E	0	4.1b,3.8		

ISC Event type ke.
DRS Event type se.
IDC Error ellipse: s-maj=12.5km s-min=8.9km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=23.0.
MOS Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=97.2. Felt (II-III) at Groznyy. Moment Tensor Solution.
MOS Event type se. FELT I=II-III MSK at Groznyy.
NORS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=13.6.
AZER Error ellipse: s-maj=6.0km s-min=5.4km az=331.0.
NNC Event type se. Error ellipse: s-maj=160.9km s-min=117.7km az=136.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**05 09 20 03.8–2.3**	**37.07N–.04**	**141.61E–.06**	**5–14**	**3.5b**	**34**	**1-57**
NIED	VII	05 09 20 00	37.20N	141.40E	35	3.6W		**¶601663509**
IDC	VII	05 09 20 08.7–1.9	36.97N	141.91E	50–20	3.6,3.4		
JMA	VII	05 09 20 09.3–.10	37.19N	141.38E	48–1	3.7,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ34.00000°,λ101.00000°. NP2:ϕ_s230.00000°,δ57.00000°,λ82.00000°. $M_0$2.70000×10^{14}
IDC Error ellipse: s-maj=16.0km s-min=11.4km az=93.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(224) Hokkaido region

ISC	**VII**	**05 09 49 28.3–.62**	**41.91N–.04**	**141.45E–.04**	**94–5**	**4.2b**	**110**	**0-76**
ISCJB	VII	05 09 49 27.5–.22	41.93N–.03	141.46E–.03	100–2	4.2b		**¶601565536**
JMA	VII	05 09 49 28.7–.10	41.94N	141.44E	88–1	4.1		
MOS	VII	05 09 49 28.1–.76	41.94N	141.50E	111	4.2b		
NEIC	VII	05 09 49 29.2–.45	41.94N	141.50E	104–5	4.3b		
IDC	VII	05 09 49 29.1–1.3	41.95N	141.44E	100–10	4.2,3.9		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=138.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s323.00000°,δ77.00000°,λ-20.00000°. NP2: ϕ_s57.00000°,δ71.00000°,λ-166.00000°. Principal axes: T Plg4.0000°,Azm11.0000° ; N Plg67.0000°,Azm110.0000°; P Plg23.0000°,Azm279.0000°
MOS Error ellipse: s-maj=11.7km s-min=6.5km az=62.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=125.0.
IDC Error ellipse: s-maj=14.9km s-min=10.1km az=130.0.

(224) Hokkaido region

ISC	**VII**	**05 16 07 16.9–.58**	**42.03N–.04**	**142.57E–.03**	**64–5**	**4.2b**	**148**	**0-146**
NIED	VII	05 16 07 00	42.00N	142.60E	50	4.1W		**¶601505938**
ISCJB	VII	05 16 07 15.8–.26	42.04N–.03	142.58E–.03	70–2	4.1b		
JMA	VII	05 16 07 16.3–.20	42.04N	142.60E	64–2	3.8		
MOS	VII	05 16 07 16.2–.83	42.03N	142.64E	76	4.3b		
NEIC	VII	05 16 07 16.9–.48	42.01N	142.76E	78–5	4.6b		
BJI	VII	05 16 07 16.5	42.10N	142.60E	64	4.6b,4.5b		
IDC	VII	05 16 07 17.8–1.6	42.07N	142.54E	70–13	3.9,3.8		
SKHL	VII	05 16 07 17.3–1.1	41.96N	142.71E	82–2	6.0s,5.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s26.00000°,δ66.00000°,λ88.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.2km az=147.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ64.00000°,λ89.00000°. NP2: ϕ_s204.00000°,δ26.00000°,λ92.00000°. Principal axes: T Plg71.0000°,Azm289.0000° ; N Plg1.0000°,Azm22.0000°; P Plg19.0000°,Azm112.0000°
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=76.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=116.0.
IDC Error ellipse: s-maj=14.5km s-min=9.9km az=122.0.

(227) Eastern Honshu

ISC	**VII**	**05 17 04 33.4–.77**	**37.07N–.03**	**140.64E–.03**	**10–4**	**4.0b,3.4s**	**97**	**0-147**
NIED	VII	05 17 04 00	37.00N	140.60E	8	4.2W,3.4s		**¶601243218**
IDC	VII	05 17 04 31.8–.61	37.04N	140.55E	0	4.1,4.0		
ISCJB	VII	05 17 04 32.7–.41	37.04N–.03	140.67E–.04	16–2	4.0b,3.4s		
JMA	VII	05 17 04 33.3	37.04N	140.57E	9–1	4.5,3.4s		
MOS	VII	05 17 04 35.1–1.5	37.14N	140.71E	33	4.4b,3.4s		
NEIC	VII	05 17 04 35.5–2.7	37.09N	140.60E	23–18	4.7b,3.4s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ52.00000°,λ-26.00000°. NP2:ϕ_s266.00000°,δ70.00000°,λ-139.00000°. $M_0$2.39000×10^{15}
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=36.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s276.00000°,δ62.00000°,λ-128.00000°. NP2:ϕ_s154.00000°,δ46.00000°,λ-42.00000°. Principal axes: T Plg9.0000°,Azm32.0000°; N Plg32.0000°,Azm296.0000°; P Plg56.0000° ,Azm136.0000°
MOS Error ellipse: s-maj=9.2km s-min=6.0km az=89.7.
NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=7.6km az=136.0. Recorded [3 JMA] in Fukushima.

(227) Eastern Honshu

ISC	**VII**	**05 17 53 20.6–.97**	**37.01N–.04**	**140.59E–.03**	**7–6**	**3.6b,2.7s**	**35**	**0-89**
NIED	VII	05 17 53 00	37.00N	140.60E	8	3.7W,2.7s		**¶601505940**
IDC	VII	05 17 53 19.2–.82	36.97N	140.65E	0	3.8,3.7		
ISCJB	VII	05 17 53 20.6–.44	37.04N–.03	140.62E–.04	15–3	3.5b,2.8s		
JMA	VII	05 17 53 21.1	37.05N	140.57E	9–1	3.9,2.8s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ54.00000°,λ-26.00000°. NP2:ϕ_s268.00000°,δ69.00000°,λ-141.00000°. $M_0$3.48000×10^{14}
IDC Error ellipse: s-maj=20.2km s-min=15.4km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.3km az=22.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s266.00000°,δ71.00000°,λ-139.00000°. NP2:ϕ_s160.00000°,δ52.00000°,λ-25.00000°. Principal axes: T Plg12.0000°,Azm29.0000°; N Plg46.0000°,Azm286.0000°; P Plg42.0000° ,Azm130.0000°

(43) Southern California

ISC	**VII**	**05 18 18 08.5–.77**	**34.30N–.01**	**116.84W–.01**	**10–5**		**235**	**0-15**
IASPE	VII	05 18 18 08.6–.84	34.30N–.02	116.84W–.02	11–6			**¶601564430**
NEIC	VII	05 18 18 09.4–.00	34.30N	116.84W	7	3.5L		

ISC Event type fe.
IASPE Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=33.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
NEIC Event type fe. Felt [III] at Apple Valley, Big Bear City, Big Bear Lake and Lucerne Valley and [II] at Riverside. Also felt at Angelus Oaks, Bellflower, Crestline, Escondido, Hesperia, Highland, Lake Arrowhead, Lake Elsinore, Loma Linda, Redlands, San Bernardino, Studio City, Victorville and Woodland Hills. After PAS.

(228) Near east coast of eastern Honshu

ISC	**VII**	**05 21 05 55.3–.74**	**38.16N–.04**	**141.76E–.07**	**59–6**	**3.9b**	**57**	**0-89**
NIED	VII	05 21 05 00	38.20N	141.70E	50	3.9W		**¶601505941**
ISCJB	VII	05 21 05 52.9–.68	38.15N–.03	141.81E–.07	55–5	3.9b		
JMA	VII	05 21 05 54.5–.10	38.18N	141.70E	51–1	3.7		
IDC	VII	05 21 05 56.7–.90	38.09N	141.59E	70–5	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ26.00000°,λ113.00000°. NP2:ϕ_s17.00000°,δ66.00000°,λ79.00000°. $M_0$7.32000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.5km az=19.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=89.0.

(238) Ryukyu Islands

ISC	**VII**	**05 23 04 29.1–.63**	**29.21N–.03**	**130.61E–.04**	**25–4**	**4.7b,4.0s**	**333**	**1-99**
NIED	VII	05 23 04 00	29.30N	130.60E	17	4.6W,4.0s		**¶601243226**
IDC	VII	05 23 04 25.3–.49	29.36N	130.48E	0	4.5,4.4		
BJI	VII	05 23 04 26.1	29.06N	130.83E	35	4.6b,4.6b		
MOS	VII	05 23 04 28.7–.96	29.31N	130.48E	33	4.8b,4.0s		
JMA	VII	05 23 04 29.6–.10	29.26N	130.55E	68–3	4.4,4.0s		
ISCJB	VII	05 23 04 29.3–.34	29.23N–.02	130.60E–.03	42–2	4.6b,4.1s		
NEIC	VII	05 23 04 30.8–.31	29.30N	130.45E	36–2	4.7b,4.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s252.00000°,δ17.00000°,λ131.00000°. NP2:ϕ_s30.00000°,δ77.00000°,λ78.00000°. $M_0$9.17000×10^{15}
IDC Error ellipse: s-maj=13.7km s-min=12.3km az=107.0.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=109.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=38.3.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=147.0. Recorded [2 JMA] on Akuseki-jima and Suwanose-jima.

(227) Eastern Honshu

ISC	**VII**	**05 23 24 20.2–.85**	**37.11N–.03**	**140.48E–.03**	**10–6**	**3.5b**	**28**	**0-61**
NIED	VII	05 23 24 00	37.10N	140.50E	11	3.7W		**¶601663524**
IDC	VII	05 23 24 18.7–1.6	37.16N	140.53E	0	3.7,3.7		
ISCJB	VII	05 23 24 20.0–.41	37.10N–.03	140.54E–.04	17–4	3.5b,3.7		
JMA	VII	05 23 24 20.3	37.10N	140.49E	12–1	4.1,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s88.00000°,δ90.00000°,λ175.00000°. $M_0$3.94000×10^{14}
IDC Error ellipse: s-maj=36.0km s-min=20.0km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.8km az=24.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s93.00000°,δ89.00000°,λ170.00000°. NP2:ϕ_s184.00000°,δ80.00000°,λ1.00000°. Principal axes: T Plg8.0000°,Azm48.0000°; N Plg80.0000°,Azm265.0000°; P Plg6.0000° ,Azm139.0000°

(181) Fiji Islands region

ISC	**VII**	**06 00 40 36.7–.33**	**14.61S–.07**	**177.75W–.05**	**10**	**4.8b,4.4s**	**231**	**6-147**
IDC	VII	06 00 40 33.4–.59	14.79S	178.10W	0	4.5,4.4		**¶601505942**
ISCJB	VII	06 00 40 35.7–.20	14.62S–.05	177.92W–.05	10	4.8b,4.4s		
BJI	VII	06 00 40 35.8	14.17S	177.58W	12	5.1b,5.0b		
NEIC	VII	06 00 40 37.0–.19	14.59S	177.91W	10	4.9b,5.0b		
GCMT	VII	06 00 40 37.0–.20	14.67S	177.92W	20–0	5.2W,5.0b		
MOS	VII	06 00 40 38.8–.99	14.59S	177.93W	33	5.0b,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=16.1km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.3km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.7km az=132.0. Felt at Vele, Wallis and Futuna.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s78,c107; s110,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.13 $M_{\theta\theta}$-2.80±.12; $M_{\phi\phi}$3.12±.12; $M_{r\theta}$-1.23±.23; $M_{\theta\phi}$5.95±.12; $M_{\phi r}$-0.48±.23; Best double couple: NP1:ϕ_s257.00000°,δ89.00000° ,λ11.00000°. NP2:ϕ_s167.00000°,δ79.00000°,λ179.00000°. Principal axes: T 6.9600,Plg8.0000°,Azm122.0000°; N -0.3670,Plg79.0000°,Azm260.0000° ; P -6.5870,Plg7.0000°,Azm31.0000° $M_0$6.77400×10^{16}
MOS Error ellipse: s-maj=11.8km s-min=10.8km az=60.9.

(2) Southern Alaska

ISC	**VII**	**06 01 22 04.0–.36**	**61.67N–.03**	**151.31W–.03**	**88–2**	**4.6b**	**401**	**0-151**

BJI VII 06 01 21 59.5 61.50N 151.30W 80 5.0b,4.8b **¶601243234**
MOS VII 06 01 22 01.3–.93 61.69N 151.49W 80 5.0b,4.8b
ISCJB VII 06 01 22 02.4–.15 61.69N–.02 151.24W–.03 88–1 4.6b,4.8b
NEIC VII 06 01 22 04.4–.00 61.68N 151.27W 85 4.7W,4.4L
IDC VII 06 01 22 04.7–.53 61.89N 151.48W 86–4 4.5,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=5.3km az=92.6.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.6km az=147.2.
NEIC Event type fe. Felt [IV] at Anchorage and [III] at Talkeetna. Also felt at Chugiak, Eagle River, Elmendorf AFB, Girdwood, Kenai, Wasilla and Willow. After AEIC. Moment Tensor Solution. s84 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64 $M_{\theta\theta}$-1.12 $M_{\phi\phi}$0.48 $M_{r\theta}$0.31 $M_{\theta\phi}$0.36 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s317.00000°,δ52.00000°,λ146.00000°. NP2:ϕ_s69.00000° ,δ64.00000°,λ43.00000°. Principal axes: T 1.0700,Plg48.0000°,Azm289.0000° ; N 0.1600,Plg41.0000°,Azm94.0000°; P -1.2300,Plg7.0000°,Azm190.0000° M_o1.20000×10^{16}
IDC Error ellipse: s-maj=10.2km s-min=9.5km az=52.0.

(186) Vanuatu Islands

ISC VII 06 02 28 22.6–.22 14.66S–.03 167.30E–.03 165–1 5.8b 2211 7-172
BJI VII 06 02 28 21.2 14.58S 167.29E 164 6.3b,5.8b **¶601505943**
WEL VII 06 02 28 22.0 14.66S 167.34E 160 6.3b,5.8b
IDC VII 06 02 28 22.1–.35 14.68S 167.40E 160–2 6.1,5.6
GCMT VII 06 02 28 22.2–.10 14.74S 167.19E 169–0 6.4W,5.6
NEIC VII 06 02 28 22.2–.08 14.66S 167.34E 160 6.3W,6.3W
ISCJB VII 06 02 28 22.9–.63 14.67S–.02 167.29E–.02 178–5 5.7b,6.3W
NEIC VII 06 02 28 22.0–.00 14.46S 167.05E 170 5.7b,6.3W
MOS VII 06 02 28 23.0–.89 14.61S 167.27E 178 6.0b,5.5s
NEIC VII 06 02 28 39.9–.00 13.95S 168.22E 154 6.0b,5.5s
ISC Event type fe.
WEL manual. confirmed.
IDC Error ellipse: s-maj=7.7km s-min=6.9km az=53.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s147,c372; s148,c626;Duration: 3s8 Moment tensor: Scale 10^{18} Nm; M_{rr}4.04±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-3.65±.02; $M_{r\theta}$-1.45±.02; $M_{\theta\phi}$1.96±.02; $M_{\phi r}$-0.83±.02; Best double couple: NP1:ϕ_s175.00000°,δ50.00000°,λ119.00000°. NP2:ϕ_s315.00000° ,δ48.00000°,λ60.00000°. Principal axes: T 4.7080,Plg68.0000°,Azm153.0000° ; N -0.1320,Plg22.0000°,Azm336.0000°; P -4.5710,Plg1.0000°,Azm245.0000° M_o4.63900×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=143.0. Felt at Luganville and Port Olry. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. M_o5.50000×10^{18} Moment Tensor Solution. s99 Moment tensor: Scale 10^{18}Nm; M_{rr}2.77 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$-1.87 $M_{r\theta}$-1.24 $M_{\theta\phi}$1.04 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s165.00000°,δ44.00000°,λ118.00000°. NP2:ϕ_s308.00000° ,δ53.00000°,λ66.00000°. Principal axes: T 3.2300,Plg70.0000°,Azm158.0000° ; N -0.6700,Plg19.0000°,Azm323.0000°; P -2.5600,Plg5.0000°,Azm55.0000° M_o3.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ48.00000°,λ109.00000°. NP2:ϕ_s320.00000°,δ45.00000°,λ70.00000°. Principal axes: T Plg76.0000°,Azm147.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm244.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=177.4.
NEIC Event type se. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}3.38 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-2.88 $M_{r\theta}$-1.03 $M_{\theta\phi}$1.41 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s176.00000° ,δ55.00000°,λ115.00000°. NP2:ϕ_s316.00000°,δ42.00000°,λ58.00000°. Principal axes: T 4.0500,Plg68.0000°,Azm139.0000°; N -0.4100,Plg20.0000°,Azm340.0000° ; P -3.6400,Plg7.0000°,Azm247.0000° M_o3.90000×10^{18}
MOS Error ellipse: s-maj=6.5km s-min=5.9km az=101.8.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}3.10 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-2.58 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.81 $M_{\phi r}$-1.73 Best double couple: NP1:ϕ_s182.00000° ,δ60.00000°,λ109.00000°. NP2:ϕ_s326.00000°,δ35.00000°,λ59.00000°. Principal axes: T 3.8700,Plg68.0000°,Azm131.0000°; N -0.6900,Plg17.0000°,Azm352.0000° ; P -3.1800,Plg13.0000°,Azm258.0000° M_o3.50000×10^{18}

(162) South Island

ISC VII 06 03 29 31.2–.85 43.57S–.03 172.41E–.02 16–5 5.2b 200 0-153
IDC VII 06 03 29 29.8–1.4 43.40S 172.34E 0 4.5,4.3 **¶601243240**
WEL VII 06 03 29 29.9 43.6S–.80 172.3E–.80 10–1 5.1L,4.3
ISCJB VII 06 03 29 30.3–.34 43.62S–.03 172.44E–.03 27–3 4.9b,4.7s
NEIC VII 06 03 29 30.9–.00 43.63S 172.33E 11 4.8L,4.8b
BJI VII 06 03 29 31.2 43.19S 172.93E 28 5.3b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=45.2km s-min=12.1km az=155.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.0km az=142.8.
NEIC Event type fe. Felt at Christchurch. After WEL.

(144) Southern Chile

ISC VII 06 06 16 47.2–.40 42.61S–.03 73.83W–.05 25–2 5.0b,4.5s 795 1-176
ISCJB VII 06 06 16 46.4–.15 42.56S–.03 73.86W–.07 33 5.0b,4.5s **¶601243245**
MOS VII 06 06 16 47.0–1.1 42.54S 74.00W 33 5.3b,4.5s
NEIC VII 06 06 16 47.0–.00 42.65S 74.02W 32 5.1L,5.0b
IDC VII 06 06 16 47.2–.42 42.56S 73.80W 26–2 4.7,4.7
GUC VII 06 06 16 47.4–.65 42.65S 74.02W 32–5 5.1L,4.7
BJI VII 06 06 16 48.6 42.60S 74.00W 32 5.1s,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=167.6.
MOS Error ellipse: s-maj=14.8km s-min=7.6km az=91.6.
NEIC Event type fe. Felt [IV] at Castro, Chonchi, Dalcahue, Puqueldon and Queilen and [III] at Quellon and Quemchi. Also felt at Ancud and Puerto Montt. After GUC.
IDC Error ellipse: s-maj=18.4km s-min=11.8km az=85.0.
GUC Error ellipse: s-maj=2.1km s-min=8.3km az=-1.0.

(460) Wyoming

ISC VII 06 16 11 47.9–.95 43.87N–.05 105.41W–.04 0 19 1-9
ISCJB VII 06 16 11 47.1–.55 43.86N–.04 105.44W–.05 0 **¶601663546**
NEIC VII 06 16 11 49.2–.77 43.95N 105.41W 0 2.9L
IDC VII 06 16 11 49.1–2.0 43.86N 105.40W 0 3.8,3.6
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=4.7km az=157.0.
NEIC Event type fm. Error ellipse: s-maj=12.6km s-min=9.1km az=153.0. 39 km [24 miles] S of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.3km s-min=8.8km az=149.0.

(456) Montana

ISC VII 06 17 21 60.0–1.3 46.07N–.07 106.76W–.07 0 8 1-8
ISCJB VII 06 17 22 00.7–.94 45.92N–.09 106.8W–.10 0 **¶601663548**
IDC VII 06 17 22 00.7–3.6 45.83N 106.75W 0 3.5L,2.8
NEIC VII 06 17 22 01.3–.93 45.95N 106.80W 0 2.8L,2.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=16.1km s-min=10.6km az=39.6.
IDC Error ellipse: s-maj=63.4km s-min=27.2km az=124.0.
NEIC Event type fm. Error ellipse: s-maj=16.6km s-min=10.8km az=133.0. 15 km [9 miles] WNW of Colstrip. Suspected Mining explosion.

(116) Central Peru

NEIC VII 06 18 59 07.5–.67 11.70S 76.50W 10 4.0L
¶601542018
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=10.6km az=191.0. Felt [II] at Lima and Matucana.

(460) Wyoming

ISC VII 06 20 13 09.0–.73 43.84N–.04 105.31W–.06 0 3.8b,3.6s 35 1-90
ISCJB VII 06 20 13 08.1–.37 43.83N–.04 105.35W–.05 0 3.9b,3.6s **¶601663558**
IDC VII 06 20 13 08.1–2.6 43.56N 105.33W 0 3.8b,3.8
NEIC VII 06 20 13 09.4–.45 43.78N 105.31W 0 3.6L,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=4.8km az=136.4.
IDC Error ellipse: s-maj=80.8km s-min=8.4km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=8.5km s-min=6.4km az=144.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.

(358) Romania

ISC VII 06 22 48 00.8–.37 45.75N–.02 26.65E–.02 111–3 4.4b 872 0-122
SIGU VII 06 22 47 58.4–.80 46N–1.0 27E–1.0 135–2 4.4b **¶601243863**
ISCJB VII 06 22 47 59.5–.10 45.699N–.01 26.65E–.02 114–1 4.3b
SOF VII 06 22 47 59.8 45.62N 26.58E 124 3.7
MOS VII 06 22 47 59.3–.85 45.72N 26.65E 106 4.3b
IDC VII 06 22 48 00.6–.31 45.68N 26.49E 108–2 4.2,3.9
NEIC VII 06 22 48 00.5–.00 45.68N 26.67E 113 4.4L,4.4b
CSEM VII 06 22 48 00.5–.06 45.71N 26.65E 107 4.6b,4.1W
BUC VII 06 22 48 00.6–.47 45.69N 26.67E 116–6 4.7,4.1W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=142.9.
MOS Error ellipse: s-maj=5.1km s-min=3.4km az=116.4.
IDC Error ellipse: s-maj=9.4km s-min=6.4km az=155.0.
NEIC Event type fe. Felt at Bucharest and Constanta. Also felt at Cahul, Moldova. After BUC. Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}1.74 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$-0.25 $M_{r\theta}$-0.87 $M_{\theta\phi}$0.42 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s112.00000°,δ32.00000°,λ100.00000°. NP2:ϕ_s281.00000°,δ59.00000°,λ84.00000°. Principal axes: T 1.9600,Plg76.0000° ,Azm173.0000°; N -0.1400,Plg5.0000°,Azm284.0000°; P -1.8200,Plg13.0000°,Azm15.0000° M_o1.90000×10^{15}
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=35.0.
BUC Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=62.0.

(116) Central Peru

NEIC VII 06 22 59 45.0–.00 11.86S 76.37W 24 4.1L,4.0b
¶601275645
NEIC Event type fe. Felt [III] at Lima and Matucana. After ARE.

(159) North Island

ISC VII 07 00 50 26.7–.46 39.16S–.03 175.74E–.03 100–3 5.3b 439 0-179
BJI VII 07 00 50 23.7 39.64S 176.07E 91 5.8b,5.5b **¶601243864**
MOS VII 07 00 50 24.3–1.2 39.03S 175.78E 87 5.1b,5.5b
ISCJB VII 07 00 50 25.6–.13 39.12S–.02 175.76E–.03 99–1 5.2b,5.5b
WEL VII 07 00 50 26.8 39.1S–.80 176E–1.0 90–1 5.2b,5.5b
IDC VII 07 00 50 27.1–.80 38.94S 175.82E 102–8 5.1,4.9
NEIC VII 07 00 50 27.0–.00 39.07S 175.81E 91 5.7L,5.3b
GCMT VII 07 00 50 27.0–.20 39.11S 175.74E 104–3 5.0W,5.3b
ISC Event type fe.
MOS Error ellipse: s-maj=12.2km s-min=9.7km az=75.9.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=26.4.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=11.8km s-min=10.5km az=20.0.
NEIC Event type fe. Felt at Opotiki and Taihape. Felt widely on the North Island. After WEL.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s29,c34; s83,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.03±.14 $M_{\theta\theta}$2.38±.15; $M_{\phi\phi}$-3.41±.14; $M_{r\theta}$1.26±.09; $M_{\theta\phi}$-0.01±.13; $M_{\phi r}$-2.25±.09; Best double couple: NP1:ϕ_s143.00000°,δ81.00000° ,λ46.00000°. NP2:ϕ_s44.00000°,δ45.00000°,λ168.00000°. Principal axes: T 3.3760,Plg37.0000°,Azm15.0000°; N 1.0110,Plg44.0000°,Azm151.0000° ; P -4.3860,Plg23.0000°,Azm265.0000° M_o3.88100×10^{16}

(190) New Ireland region

ISC VII 07 03 35 29.4–.32 4.71S–.03 153.34E–.03 44–2 5.5b,5.3s 1293 1-169
BJI VII 07 03 35 25.4 4.49S 153.77E 31 5.5b,5.4b **¶601505951**
ISCJB VII 07 03 35 27.7–.65 4.69S–.02 153.30E–.02 40–5 5.5b,5.2s
MOS VII 07 03 35 27.2–.94 4.62S 153.33E 33 5.8b,5.2s
IDC VII 07 03 35 29.0–.83 4.70S 153.33E 38–5 5.4,5.2b
GCMT VII 07 03 35 28.6–.10 4.84S 153.22E 50–0 5.8W,5.2b
NEIC VII 07 03 35 28.6–.09 4.65S 153.30E 35 5.7W,5.7W
NEIC VII 07 03 35 29.0–.00 4.88S 153.27E 50 5.7W,5.7W
DJA VII 07 03 35 33.1–.60 5S–3.0 153E–3.0 80–6 6.0b,5.7
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s132,c263; s134,c376;Duration: 1s8 Moment tensor: Scale 10^{17} Nm; M_{rr}3.22±.05 $M_{\theta\theta}$1.98±.04; $M_{\phi\phi}$-5.19±.04; $M_{r\theta}$-2.12±.05; $M_{\theta\phi}$0.70±.04; $M_{\phi r}$-1.08±.05; Best double couple: NP1:ϕ_s205.00000°,δ61.00000°,λ133.00000°. NP2:ϕ_s323.00000° ,δ50.00000°,λ39.00000°. Principal axes: T 4.9710,Plg53.0000°,Azm168.0000° ; N 0.3930,Plg37.0000°,Azm1.0000°; P -5.3530,Plg6.0000°,Azm266.0000° M_o5.16200×10^{17}
NEIC Event type fe. Felt at Arawa, Bougainville and at Rabaul, New Britain. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}4.75 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-4.73 $M_{r\theta}$-1.74 $M_{\theta\phi}$0.49 $M_{\phi r}$-1.14 Best double couple: NP1:ϕ_s193.00000°,δ54.00000°,λ113.00000°. NP2: ϕ_s337.00000°,δ42.00000°,λ62.00000°. Principal axes: T 5.4700,Plg71.0000°,Azm159.0000° ; N -0.5800,Plg18.0000°,Azm358.0000°; P -4.8900,Plg6.0000°,Azm266.0000° M_o5.20000×10^{17}
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}3.01 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-4.10 $M_{r\theta}$-2.29 $M_{\theta\phi}$0.44 $M_{\phi r}$-1.23 Best double couple: NP1:ϕ_s205.00000° ,δ62.00000°,λ127.00000°. NP2:ϕ_s327.00000°,δ45.00000°,λ41.00000°. Principal axes: T 4.7100,Plg55.0000°,Azm165.0000°; N -0.4100,Plg32.0000°,Azm5.0000° ; P -4.3100,Plg9.0000°,Azm269.0000° M_o4.50000×10^{17}

(135) Near coast of central Chile

ISC VII 07 10 52 14.7–.86 32.50S–.04 71.65W–.05 33–4 4.8b,3.7s 383 1-175
IDC VII 07 10 52 09.9–.44 32.50S 71.65W 0 4.6,4.5L **¶601243989**
BJI VII 07 10 52 13.9 32.50S 71.60W 29 4.9b,4.5L
GUC VII 07 10 52 14.2–.70 32.68S 71.82W 19–5 4.4L,4.5L
ISCJB VII 07 10 52 15.7–.53 32.40S–.03 71.49W–.06 50–5 4.7b,3.7s
NEIC VII 07 10 52 15.3–1.3 32.50S 71.60W 33–9 4.8b,4.4L
SJA VII 07 10 52 16.7–1.1 32.45S 71.38W 8–13 4.4L,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=12.0km az=83.0.
GUC Error ellipse: s-maj=4.8km s-min=3.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.3km az=170.9.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=3.5km az=80.0. Felt [IV] at Zapallar, [III] at Quillota and Villa Alemana and [II] at Vina del Mar. Also felt at San Antonio.
SJA Error ellipse: s-maj=4.8km s-min=25.6km az=-1.0.

(228) Near east coast of eastern Honshu

ISC VII 07 11 46 59.6–1.5 38.81N–.06 142.19E–.10 47–13 3.9b 33 0-73
ISCJB VII 07 11 46 58.5–.90 38.84N–.04 142.19E–.09 53–6 3.9b **¶601663589**
JMA VII 07 11 47 00.6–.10 38.86N 142.05E 46–1 3.9
NIED VII 07 11 47 00 38.90N 142.10E 53 3.7W
IDC VII 07 11 47 01.3–2.3 38.88N 142.36E 70–19 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=6.4km az=15.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ24.00000°,λ77.00000°. NP2:ϕ_s24.00000°,δ66.00000°,λ96.00000°. M_o4.24000×10^{14}
IDC Error ellipse: s-maj=21.3km s-min=13.3km az=105.0.

(391) Albania

ISC VII 07 12 59 09.8–.84 41.34N–.01 20.92E–.01 11–5 4.2b,3.0s 739 0-122
IDC VII 07 12 59 07.5–.47 41.30N 20.83E 0 4.2,4.2b **¶601243991**
TIR VII 07 12 59 08.0 41.35N 20.95E 12 4.2,4.2b
ISCJB VII 07 12 59 09.0–.25 41.361N–.01 20.88E–.01 11–1 4.2b,3.1s
SKO VII 07 12 59 08.1 41.34N 20.88E 15 4.3L,3.9
NEIC VII 07 12 59 10.0–.24 41.33N 20.85E 10 4.3L,4.3b
THE VII 07 12 59 09.4 41.33N 20.96E 1–1 4.1L,4.3b
PDG VII 07 12 59 09.2–.58 41.35N 20.92E 6–0 4.4L,4.3
BEO VII 07 12 59 09.5–.20 41.35N 20.89E 0 4.1L,4.3
LDG VII 07 12 59 09.1–.09 41.32N 20.91E 2 4.5L,4.3
CSEM VII 07 12 59 09.4–.07 41.35N 20.94E 2 4.5L,4.4b
ATH VII 07 12 59 10.5 41.30N 21.08E 20–1 4.0L,4.4b
MOS VII 07 12 59 10.3–1.1 41.29N 20.73E 33 4.4b,4.4b
PRU VII 07 12 59 11.0 41.41N 20.86E 0 4.3,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=146.3.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=206.0. Felt [III] at Ohrid. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.39 $M_{\theta\theta}$0.85 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.32 $M_{\theta\phi}$1.06 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s39.00000°,δ57.00000°,λ-103.00000°. NP2: ϕ_s241.00000°,δ35.00000°,λ-71.00000°. Principal axes: T 1.8900,Plg11.0000°,Azm138.0000° ; N -0.3400,Plg11.0000°,Azm46.0000°; P -1.5600,Plg75.0000°,Azm273.0000° M_o1.80000×10^{15}
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=277.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=61.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=147.0.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=103.8.

(259) Mindanao

ISC VII 07 13 38 17.6–.51 9.80N–.03 125.92E–.04 46–4 4.7b,3.7s 253 0-165
MAN VII 07 13 38 13.6 9.85N 125.90E 1 5.6b,4.9s **¶601243992**
BJI VII 07 13 38 15.6 9.61N 126.34E 67 4.9b,4.9b
DJA VII 07 13 38 17.5–1.1 10N–6.0 126E–6.0 39–9 5.8,5.2b

ISCJB VII 07 13 38 17.0–.45 9.83N–.02 125.96E–.04 58–4 4.7b,3.7s
IDC VII 07 13 38 18.4–1.4 9.81N 125.71E 54–12 4.7,4.5
NEIC VII 07 13 38 19.1–.94 9.78N 125.82E 66–9 4.9b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.0km az=166.1.
IDC Error ellipse: s-maj=15.0km s-min=7.7km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.8km az=82.0. Felt [IV PIVS] at Dapa and Del Carmen; [III PIVS] at Cantilan; [II PIVS] at Mainit and Surigao. Felt [II PIVS] at Loreto, Dinagat Island.

(162) South Island

ISC VII 07 17 58 19.9–1.3 44.45S–.03 167.76E–.04 3–8 3.9b 156 0-152
IDC VII 07 17 58 19.3–.61 44.50S 167.79E 0 4.2L,4.0 **¶601244009**
NEIC VII 07 17 58 21.0–.00 44.51S 167.80E 12 4.5L,4.0W
WEL VII 07 17 58 21.8 45S–2.0 168E–3.0 12–2 4.5L,4.0W
ISC Event type fe.
NEIC Event type fe. Felt at Arrowtown, Queenstown, Te Anau and Wanaka. After WEL. Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ41.00000°,λ87.00000°. NP2: ϕ_s34.00000°,δ50.00000°,λ93.00000°. Principal axes: T 0.9900,Plg85.0000°,Azm328.0000° ; N 0.1600,Plg2.0000°,Azm212.0000°; P -1.1500,Plg5.0000°,Azm122.0000°
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(88) Dominican Republic region

ISC VII 07 20 32 37.8–.47 18.21N–.03 71.14W–.03 25–3 5.1b,4.4s 1634 1-164
JSN VII 07 20 32 28.6–2.2 18.68N 70.51W 0–999 5.1b,4.4s **¶601244023**
ISCJB VII 07 20 32 35.1–.48 18.24N–.01 71.12W–.01 16–3 5.1b,4.4s
MOS VII 07 20 32 37.3–.82 18.24N 71.18W 31 5.3b,4.6s
NEIC VII 07 20 32 38.2–.44 18.24N 71.14W 27–3 5.1b,4.6s
GCMT VII 07 20 32 38.2–.30 18.28N 71.13W 34–1 5.0W,4.6s
IDC VII 07 20 32 41.0–1.8 18.23N 71.17W 51–16 4.9,4.7
ISC Event type fe.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=28.9.
MOS Error ellipse: s-maj=5.5km s-min=4.1km az=102.9.
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=201.0. Felt [IV] at Barahona, [III] at Santiago and Santo Domingo and [II] at San Cristobal. Also felt at Azua, Constanza, Cotui, Las Matas de Farfan, La Vega, Mao, Pedernales, Peralta, San Juan de la Maguana, Sosua, Tenares and Tireo. Felt at Petionville and Port-au-Prince, Haiti.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s36,c48; s94,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.36±.20 $M_{\theta\theta}$-4.14±.13; $M_{\phi\phi}$1.79±.14; $M_{r\theta}$1.99±.13; $M_{\theta\phi}$1.16±.09; $M_{\phi r}$-0.24±.13; Best double couple: NP1:ϕ_s94.00000°,δ61.00000° ,λ81.00000°. NP2:ϕ_s291.00000°,δ30.00000°,λ105.00000°. Principal axes: T 2.9280,Plg73.0000°,Azm343.0000°; N 1.9910,Plg8.0000°,Azm98.0000° ; P -4.9090,Plg15.0000°,Azm190.0000° $M_0$3.91900×10^{16}
IDC Error ellipse: s-maj=9.7km s-min=9.1km az=32.0.

(232) Western Honshu

JMA VII 07 23 34 33.2 35.24N 135.24E 12–1 2.5 ¶603636177
JMA Event type fe.

(259) Mindanao

ISC VII 08 01 04 16.2–.66 7.05N–.06 121.46E–.06 35 3.9b,3.2s 39 1-93
IDC VII 08 01 04 11.8–.69 7.03N 121.52E 0 4.3L,4.0 **¶601405496**
MAN VII 08 01 04 12.0 7.09N 121.34E 48 4.7b,3.6L
ISCJB VII 08 01 04 14.4–.44 7.07N–.04 121.55E–.03 33 3.8b,3.2s
NEIC VII 08 01 04 16.1–5.5 7.04N 121.56E 29–42 4.0b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=13.3km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.9km az=14.7.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=7.1km az=73.0. Felt [III PIVS] at Zamboanga City.

(259) Mindanao

ISC VII 08 04 15 19.8–.87 9.80N–.03 125.79E–.06 43–8 4.6b 112 0-162
MAN VII 08 04 15 17.8 9.79N 125.89E 7 5.1b,4.1s **¶605673251**
ISCJB VII 08 04 15 19.9–.55 9.75N–.03 125.92E–.06 64–5 4.5b,4.1s
IDC VII 08 04 15 20.2–2.5 9.78N 125.72E 51–23 4.6L,4.5
NEIC VII 08 04 15 21.2–1.2 9.74N 125.73E 60–11 4.6b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.2km az=168.5.
IDC Error ellipse: s-maj=19.1km s-min=9.8km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.1km az=77.0. Felt [III PIVS] at Dapa and General Luna; [II PIVS] at Del Carmen and San Benito. Felt [I PIVS] at Loreto, Dinagat Island.

(248) Philippine Islands region

ISC VII 08 04 16 38.5–.48 19.05N–.03 121.02E–.04 37–1 4.7b,3.7s 245 1-152
IDC VII 08 04 16 31.9–.46 18.96N 121.02E 0 4.6,4.5 **¶601244198**
MAN VII 08 04 16 36.4 18.99N 121.07E 19 5.3b,4.4s
ISCJB VII 08 04 16 36.1–.94 19.04N–.02 121.02E–.03 29–7 4.7b,3.7s
NEIC VII 08 04 16 38.5–.74 19.04N 121.00E 36–5 4.8b,3.7s
GCMT VII 08 04 16 38.5–.50 19.06N 120.90E 23–1 4.8W,3.7s
BJI VII 08 04 16 41.3 19.34N 120.87E 46 4.8b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=11.7km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=173.7.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.6km az=145.0. Felt [IV PIVS] at Claveria, Luzon.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s18,c20; s59,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.20 $M_{\theta\theta}$1.36±.11; $M_{\phi\phi}$1.10±.12; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$-0.84±.05; $M_{\phi r}$0.38±.17; Best double couple: NP1:ϕ_s134.00000°,δ50.00000° ,λ-86.00000°. NP2:ϕ_s308.00000°,δ40.00000°,λ-94.00000°. Principal axes: T 2.1240,Plg5.0000°,Azm221.0000°; N 0.3820,Plg3.0000°,Azm311.0000° ; P -2.4960,Plg84.0000°,Azm69.0000° $M_0$2.31000×10^{16}

(259) Mindanao

ISC VII 08 05 53 52.8–1.3 9.88N–.03 126.05E–.05 9–8 4.1b 54 1-92
IDC VII 08 05 53 49.9–.61 9.78N 125.77E 0 4.0,3.9 **¶601263741**
ISCJB VII 08 05 53 50.8–1.2 9.84N–.03 126.16E–.04 8–7 4.2b,2.6s
MAN VII 08 05 53 55.2 9.78N 125.88E 5 4.7b,3.6L
NEIC VII 08 05 53 56.0–1.7 9.86N 126.11E 40–17 4.5b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=42.0km s-min=12.4km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=174.4.
NEIC Event type fe. Error ellipse: s-maj=24.1km s-min=8.2km az=78.0. Felt [II PIVS] at Dapa, General Luna and San Benito and [I PIVS] at Del Carmen.

(259) Mindanao

ISC VII 08 06 08 22.6–.43 9.80N–.03 125.85E–.05 10 4.2b 52 0-98
ISCJB VII 08 06 08 19.7–.34 9.69N–.04 125.78E–.08 10 4.2b **¶601263742**
IDC VII 08 06 08 19.6–.62 9.71N 125.70E 0 4.2L,4.1
BJI VII 08 06 08 22.4 9.70N 125.70E 36 5.0b,4.7b
MAN VII 08 06 08 25.2 9.77N 125.83E 8 4.7b,3.6L
NEIC VII 08 06 08 25.7–.81 9.67N 125.68E 43–8 4.6b,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=5.7km az=165.1.
IDC Error ellipse: s-maj=35.8km s-min=12.3km az=81.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.7km az=82.0. Felt [II PIVS] at Dapa, General Luna and San Benito.

(122) Near coast of northern Chile

ISC VII 08 09 12 18.1–1.6 20.50S–.03 70.56W–.07 10–10 4.2b 44 1-153
NEIC VII 08 09 12 20.0–.00 20.51S 70.47W 36 4.4b,4.0L **¶601351263**
GUC VII 08 09 12 20.6–.50 20.51S 70.47W 36–1 4.0L,4.0L
IDC VII 08 09 12 27.5–3.0 20.34S 70.14W 82–25 3.9,3.7
ISC Event type fe.
NEIC Event type fe. Felt [III] at Alto Hospicio and Iquique. After GUC.
GUC Error ellipse: s-maj=0.8km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=29.0km s-min=18.6km az=86.0.

(445) Labrador

ISC VII 08 11 13 35.6–.34 52.01N–.03 60.98W–.04 10 4.1b 270 2-150
ISCJB VII 08 11 13 34.3–.22 51.94N–.02 60.94W–.04 10 4.1b **¶601244231**
IDC VII 08 11 13 34.6–.44 51.94N 60.71W 0 4.0,3.9
OTT VII 08 11 13 36.9–.19 52.04N 60.86W 11 4.4,3.9W
NEIC VII 08 11 13 36.9–.00 52.04N 60.86W 11 4.1b,3.9W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=138.7.
IDC Error ellipse: s-maj=11.4km s-min=9.5km az=1.0.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 147km south from Happy Valley-Goose Bay, Nl. Felt. Felt in Happy Valley-Goose Bay, and Labrador City. Eastern Background Seismic Zone.
NEIC Event type fe. Felt at Goose Bay, Happy Valley and Labrador City. After OTT. Moment Tensor Solution. s9 Moment tensor: Scale 10^{14}Nm; M_{rr}4.93 $M_{\theta\theta}$-2.59 $M_{\phi\phi}$-2.34 $M_{r\theta}$1.98 $M_{\theta\phi}$-2.67 $M_{\phi r}$3.66 Best double couple: NP1:ϕ_s238.00000°,δ27.00000°,λ110.00000°. NP2: ϕ_s35.00000°,δ65.00000°,λ80.00000°. Principal axes: T 6.5300,Plg68.0000°,Azm286.0000° ; N 0.0000,Plg9.0000°,Azm39.0000°; P -6.5300,Plg19.0000°,Azm133.0000° $M_0$6.50000×10^{14}

(221) Kuril Islands

ISC VII 08 11 33 05.3–.26 45.42N–.03 151.39E–.03 38–1 5.7s,5.7b 2356 2-153
IDC VII 08 11 32 59.4–.30 45.49N 151.38E 0 5.8,5.8s **¶601244234**
ISCJB VII 08 11 32 59.9–.56 45.42N–.02 151.42E–.01 12–3 5.7s,5.6b
JMA VII 08 11 33 00.9–.60 45.42N 151.74E 30 6.2,5.6b
NIED VII 08 11 33 00 45.40N 151.70E 20 6.0W,5.6b
BJI VII 08 11 33 01.2 45.49N 151.28E 24 6.2s,6.1
SKHL VII 08 11 33 02.5–.80 45.20N 151.72E 43–7 6.0b,5.9s
NEIC VII 08 11 33 02.9–.08 45.50N 151.29E 20 6.0W,5.8W
GCMT VII 08 11 33 02.9–.10 45.46N 151.50E 23–0 6.0W,5.8W
NEIC VII 08 11 33 03.0–.00 45.54N 151.29E 30 6.0W,5.8W
MOS VII 08 11 33 04.0–1.1 45.48N 151.33E 43 5.9s,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=8.2km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.4km az=160.6.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ38.00000°,λ110.00000°. NP2:ϕ_s39.00000°,δ55.00000°,λ75.00000°. $M_0$1.10000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=157.0. Recorded [1 JMA] in eastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s98 Moment tensor: Scale 10^{17} Nm; M_{rr}4.63 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$-3.44 $M_{r\theta}$2.48 $M_{\theta\phi}$-1.72 $M_{\phi r}$3.96 Best double couple: NP1: ϕ_s206.00000°,δ22.00000°,λ86.00000°. NP2:ϕ_s31.00000°,δ68.00000°,λ92.00000°. Principal axes: T 6.6200,Plg67.0000°,Azm304.0000°; N -0.2700,Plg2.0000°,Azm210.0000° ; P -6.3500,Plg23.0000°,Azm120.0000° $M_0$6.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s249.00000°,δ18.00000°,λ123.00000°. NP2: ϕ_s35.00000°,δ75.00000°,λ80.00000°. Principal axes: T Plg59.0000°,Azm291.0000° ; N Plg0.0000°,Azm0.0000°; P Plg29.0000°,Azm133.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s128,c279; s139,c463;Duration: 2s3 Moment tensor: Scale 10^{18} Nm; M_{rr}0.91±.01 $M_{\theta\theta}$-0.36±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.22±.01; $M_{\theta\phi}$-0.50±.00; $M_{\phi r}$0.53±.01; Best double couple: NP1:ϕ_s31.00000°,δ61.00000°,λ80.00000°. NP2:ϕ_s230.00000° ,δ31.00000°,λ106.00000°. Principal axes: T 1.0830,Plg73.0000°,Azm278.0000° ; N 0.0320,Plg8.0000°,Azm35.0000°; P -1.1160,Plg15.0000°,Azm128.0000° $M_0$1.10000×10^{18}
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.25 $M_{\phi r}$1.01 Best double couple: NP1:ϕ_s31.00000° ,δ78.00000°,λ85.00000°. NP2:ϕ_s233.00000°,δ13.00000°,λ112.00000°. Principal axes: T 1.3000,Plg56.0000°,Azm294.0000°; N -0.0400,Plg4.0000°,Azm31.0000° ; P -1.2500,Plg32.0000°,Azm124.0000° $M_0$1.30000×10^{18}
MOS Error ellipse: s-maj=4.9km s-min=3.8km az=101.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ58.00000°,λ78.00000°. NP2: ϕ_s215.00000°,δ34.00000°,λ109.00000°. Principal axes: T Plg73.0000°,Azm250.0000° ; N Plg11.0000°,Azm18.0000°; P Plg13.0000°,Azm111.0000° $M_0$1.20000×10^{19}

(35) Near coast of northern California

ISC VII 08 12 05 49.8–1.0 39.51N–.02 123.67W–.04 10–6 4.2b 156 0-92
ISCJB VII 08 12 05 47.4–.50 39.46N–.02 123.86W–.05 8–2 4.0b **¶601244236**
IDC VII 08 12 05 47.8–2.5 39.48N 123.22W 0 3.7,3.6
NEIC VII 08 12 05 48.5–.00 39.48N 123.80W 8 4.4W,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=2.5km az=164.8.
IDC Error ellipse: s-maj=38.8km s-min=12.7km az=40.0.
NEIC Event type fe. Felt [IV] at Fort Bragg; [III] at Albion, Caspar, Comptche, Littleriver, Mendocino and Westport; [II] at Laytonville and Willits. Also felt at Branscomb, Calistoga, Clearlake Oaks, Kelseyville, Leggett, Manchester, McKinleyville, Petrolia, Philo, Point Arena, Potter Valley and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{15}

(460) Wyoming

ISC VII 08 19 14 25.5–.81 43.66N–.04 105.33W–.04 0 30 1-68
IDC VII 08 19 14 22.3–2.5 43.19N 105.13W 0 4.2b,4.1 **¶601664305**
ISCJB VII 08 19 14 25.0–.48 43.70N–.03 105.30W–.05 0 4.4b,4.1
NEIC VII 08 19 14 25.4–.84 43.63N 105.29W 0 3.1L,4.1
ISC Event type sm.
IDC Error ellipse: s-maj=58.3km s-min=9.0km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=4.4km az=23.0.
NEIC Event type fm. Error ellipse: s-maj=12.5km s-min=11.1km az=136.0. 76 km [47 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC VII 08 21 05 02.2–.62 43.73N–.03 105.31W–.03 0 127 1-68
ISCJB VII 08 21 05 01.3–.27 43.75N–.02 105.28W–.03 0 4.2b **¶601664308**
NEIC VII 08 21 05 02.9–.24 43.76N 105.25W 0 3.7L
IDC VII 08 21 05 03.1–.95 44.08N 105.73W 0 4.0b,3.9
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.6km az=28.3.
NEIC Event type fm. Error ellipse: s-maj=3.5km s-min=2.9km az=143.0. 64 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.6km s-min=8.7km az=146.0.

(36) Northern California

ISC VII 09 00 01 19.0–.66 38.81N–.02 122.81W–.03 8 97 0-86
NEIC VII 09 00 01 16.9–.00 38.83N 122.79W 0 3.9W,3.9b **¶601456890**
ISCJB VII 09 00 01 18.4–.27 38.79N–.02 122.79W–.03 8 4.2b,3.2s
IDC VII 09 00 01 19.3–1.9 38.73N 122.88W 0 3.9,3.6
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Middletown and [II] at Calistoga and Sonoma. Also felt at Carmichael, Clearlake Oaks, Cloverdale, Cotati, Geyserville, Healdsburg, Kelseyville, Martinez, Mendocino, Napa, Petaluma, Pope Valley, Redding, Sacramento, Saint Helena, San Francisco and Santa Rosa. After NCEDC. Moment Tensor Solution. $M_0$7.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=155.1.
IDC Error ellipse: s-maj=21.9km s-min=11.3km az=42.0.

(135) Near coast of central Chile

ISC VII 09 01 44 27.1–.64 35.19S–.04 72.00W–.06 45–5 4.5b 96 0-174
SJA VII 09 01 44 21.4–.65 35.42S 72.43W 63–15 4.1W,4.0L **¶601246364**
ISCJB VII 09 01 44 26.6–.57 35.25S–.04 72.05W–.07 56–4 4.5b,4.0L
NEIC VII 09 01 44 27.0–.00 35.21S 72.07W 50 4.5b,4.1L
GUC VII 09 01 44 27.4–.55 35.21S 72.07W 50–2 4.1L,4.1L
BJI VII 09 01 44 28.0 35.20S 72.10W 50 4.1L,4.1L
IDC VII 09 01 44 28.9–3.3 35.25S 71.90W 63–28 4.0L,3.9
ISC Event type fe.
SJA Error ellipse: s-maj=6.0km s-min=17.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.5km az=18.0.
NEIC Event type fe. Felt [IV] at Talca; [III] at Constitucion, Iloca, Longavi, Pelarco and Pencahue; [II] at Curico, Parral, Rio Claro and Villa Alegre. After GUC.
GUC Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=18.1km az=89.0.

(228) Near east coast of eastern Honshu

ISC VII 09 04 01 54.2–.64 38.64N–.04 142.19E–.05 47–5 4.6b,3.8s 320 1-145
NIED VII 09 04 01 00 38.70N 142.20E 41 4.5W,3.8s **¶601246367**
BJI VII 09 04 01 48.6 38.32N 142.47E 39 4.8b,4.7b
ISCJB VII 09 04 01 53.4–.46 38.66N–.02 142.11E–.04 51–3 4.6b,3.8s
JMA VII 09 04 01 53.4–.10 38.66N 142.15E 42–1 4.5,3.8s
MOS VII 09 04 01 54.2–1.0 38.76N 142.02E 53 5.0b,4.0s
NEIC VII 09 04 01 54.9–.46 38.66N 142.14E 51–4 4.7b,4.0s
IDC VII 09 04 01 55.9–1.7 38.65N 142.03E 60–14 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ21.00000°,λ83.00000°. NP2:ϕ_s28.00000°,δ69.00000°,λ93.00000°. $M_0$6.56000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=28.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ72.00000°,λ102.00000°. NP2:ϕ_s192.00000°,δ21.00000°,λ57.00000°. Principal axes: T Plg61.0000°,Azm334.0000°; N Plg11.0000°,Azm223.0000°; P Plg26.0000° ,Azm127.0000°
MOS Error ellipse: s-maj=7.6km s-min=4.8km az=118.0.

NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=132.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.4km s-min=9.7km az=113.0.

(224) Hokkaido region

ISC	**VII**	**09 08 30 19.8–.62**	**42.05N–.04**	**142.49E–.03**	**71–5**	**4.2b**	**146**	**0-146**
NIED	VII	09 08 30 00	42.10N	142.50E	62	3.9W		**¶601258059**
BJI	VII	09 08 30 13.8	42.13N	143.26E	74	4.7b,4.7b		
ISCJB	VII	09 08 30 18.3–.23	42.07N–.03	142.49E–.03	72–2	4.1b,4.7b		
MOS	VII	09 08 30 18.4–.75	42.05N	142.49E	77	4.3b,4.7b		
JMA	VII	09 08 30 18.9–.20	42.07N	142.48E	67–2	3.8,4.7b		
NEIC	VII	09 08 30 19.1–.65	42.03N	142.96E	88–5	4.4b,4.7b		
IDC	VII	09 08 30 20.2–1.6	42.10N	142.40E	74–12	3.9,3.7		
SKHL	VII	09 08 30 20.0–.90	41.97N	142.70E	82–2	5.9s,5.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ25.00000°,λ113.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ0.00000°. $M_0$8.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.8km az=149.7.
MOS Error ellipse: s-maj=10.6km s-min=7.1km az=68.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ85.00000°,λ97.00000°. NP2: ϕ_s135.00000°,δ9.00000°,λ31.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg7.0000°,Azm193.0000°; P Plg40.0000°,Azm97.0000°
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=7.7km az=119.0. Felt at Shizunai. Also felt at Aomori, Honshu. Recorded [2 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=15.4km s-min=10.3km az=125.0.

(99) Northern Colombia

ISC	**VII**	**09 09 50 36.1–1.1**	**7.33N–.02**	**73.05W–.03**	**16–7**	**4.2b,3.1s**	**102**	**0-153**
IDC	VII	09 09 50 33.3–.59	7.29N	73.17W	0	4.4L,4.1		**¶601246611**
ISCJB	VII	09 09 50 36.8–.50	7.38N–.03	73.02W–.03	31–4	4.1b,3.0s		
RSNC	VII	09 09 50 37.8–.94	7.37N	73.12W	4–5	4.4L,4.2W		
NEIC	VII	09 09 50 39.7–.49	7.38N	73.03W	42–5	4.3b,4.2W		

ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=14.3km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=4.0km az=40.2.
RSNC Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=106.0. Felt [II] at Bucaramanga. Also felt at Floridablanca, Giron and Matanza.

(115) Near coast of Peru

ISC	**VII**	**09 10 02 58.3–.78**	**10.4S–.10**	**78.5W–.10**	**52**	**3.9b**	**32**	**2-136**
IDC	VII	09 10 02 51.0–.83	10.42S	78.68W	0	4.0,3.9		**¶601624981**
ISCJB	VII	09 10 02 56.8–.53	10.29S–.09	78.51W–.09	52	4.0b,2.9s		
NEIC	VII	09 10 02 58.1–1.1	10.38S	78.50W	49–10	4.3L,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=14.3km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=17.2km s-min=6.3km az=44.3.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=7.3km az=49.0. Felt [II] at Huarmey.

(139) Mendoza Province

ISC	**VII**	**09 12 56 38.9–.32**	**33.04S–.03**	**68.44W–.03**	**161–2**	**4.5b**	**576**	**0-174**
NEIC	VII	09 12 56 37.0–.32	33.06S	68.26W	142–2	4.7,4.6b		**¶601252234**
ISCJB	VII	09 12 56 37.7–.22	33.02S–.02	68.38W–.03	162–1	4.5b,4.6b		
SJA	VII	09 12 56 37.6–.93	33.07S	68.44W	165–4	4.7L,4.6W		
IDC	VII	09 12 56 38.7–.38	33.06S	68.37W	159–3	4.8,4.4		
GUC	VII	09 12 56 38.6–.43	32.99S	68.48W	160–7	5.1L,4.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=73.0. Felt [III] at Mendoza and San Juan.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.7km az=24.2.
SJA Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s290.10000°,δ55.90000°,λ-40.00000°.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=88.0.
GUC Error ellipse: s-maj=1.9km s-min=5.6km az=-1.0.

(371) Eastern Mediterranean Sea

ISC	**VII**	**09 13 55 00.6–.30**	**35.60N–.02**	**28.95E–.02**	**57–2**	**5.6b,4.8s**	**2886**	**1-168**
BJI	VII	09 13 54 55.8	35.26N	28.54E	61	5.4b,5.3b		**¶601252236**
ISK	VII	09 13 54 57.8	35.58N	29.01E	23–0	6.0L,5.3b		
PDG	VII	09 13 54 58.2–.82	35.46N	29.01E	50–16	5.5L,5.3b		
GII	VII	09 13 54 58.0–.76	35.40N	28.86E	54	5.6,5.4b		
NIC	VII	09 13 54 58.4–.30	35.52N	28.88E	50	5.7L,5.6b		
ISCJB	VII	09 13 54 58.5–.13	35.54N–.01	28.966E–.01	53–1	5.6b,4.8s		
MOS	VII	09 13 54 59.4–1.0	35.62N	28.93E	56	5.9b,4.7s		
ATH	VII	09 13 54 59.6	35.62N	28.87E	43–11	5.4L,4.7s		
PDA	VII	09 13 54 59.8	35.52N	28.88E	50	5.7W,4.7s		
NEIC	VII	09 13 55 00.0–.00	35.62N	28.93E	56	5.7W,4.7s		
DDA	VII	09 13 55 00.4	35.71N	28.86E	40	6.0L,4.7s		
IDC	VII	09 13 55 00.7–1.4	35.63N	28.94E	52–12	5.5,5.3		
GCMT	VII	09 13 55 00.6–.10	35.36N	28.96E	71–1	5.8W,5.3		
NEIC	VII	09 13 55 00.6–.28	35.60N	28.92E	56–2	5.6W,5.6W		
SFS	VII	09 13 55 01.0	35.67N	28.78E	0	5.8L,5.6W		
THE	VII	09 13 55 01.3	35.61N	28.97E	62–4	5.5L,5.6W		
CSEM	VII	09 13 55 01.0–.05	35.61N	28.95E	60	5.9L,5.7W		
NSSC	VII	09 13 55 12.6–.78	35.80N	30.35E	38–999	5.5L,5.7W		

ISC Event type fe.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.
GII Event type ke.
NIC Event type fe. Felt I=II MM at Pafos, Lemesos and Lefkosia.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=13.0.
MOS Error ellipse: s-maj=4.3km s-min=2.3km az=96.6.
ATH Event type ke. Error ellipse: s-maj=13.4km s-min=0.6km az=108.0.
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$-3.59 $M_{\phi\phi}$3.03 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.28 $M_{\phi r}$0.79 Best double couple: NP1:ϕ_s316.00000° ,δ84.00000°,λ163.00000°. NP2:ϕ_s48.00000°,δ73.00000°,λ6.00000°. Principal axes: T 3.2700,Plg16.0000°,Azm271.0000°; N 0.4200,Plg71.0000°,Azm118.0000° ; P -3.6800,Plg7.0000°,Azm3.0000° $M_0$3.50000×10^{17}
DDA Event type ke.
IDC Error ellipse: s-maj=7.7km s-min=7.0km az=135.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c195; s103,c245;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.05 $M_{\theta\theta}$-5.24±.06; $M_{\phi\phi}$4.83±.06; $M_{r\theta}$-0.52±.06; $M_{\theta\phi}$0.57±.06; $M_{\phi r}$0.76±.06; Best double couple: NP1: ϕ_s318.00000°,δ87.00000°,λ170.00000°. NP2:ϕ_s48.00000°,δ80.00000°,λ3.00000°. Principal axes: T 4.9810,Plg9.0000°,Azm273.0000°; N 0.3490,Plg79.0000°,Azm125.0000° ; P -5.3270,Plg6.0000°,Azm4.0000° $M_0$5.15400×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=189.0. Felt [IV] at Limassol and [II] at Nicosia, Cyprus. Also felt at Dhoros, Evdhimou, Kyrenia, Mazotos, Paphos, Pissouri and Yioulou. Felt [III] at Al Jizah and Cairo, Egypt. Also felt at Alexandria. Felt [III] at Antalya, Fethiye and Marmaris; [II] at Alanya and Kas, Turkey. Also felt at Manavgat and Serik. Felt at Bat Yam, Qiryat Motzkin and Tel Aviv-Yafo, Israel. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-3.65 $M_{\phi\phi}$3.48 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.53 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s139.00000°,δ90.00000°,λ-167.00000°. NP2:ϕ_s49.00000° ,δ77.00000°,λ0.00000°. Principal axes: T 3.6100,Plg9.0000°,Azm273.0000° ; N 0.1900,Plg77.0000°,Azm140.0000°; P -3.8000,Plg9.0000°,Azm5.0000° $M_0$3.70000×10^{17}
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.7km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=5.0.
NSSC Error ellipse: s-maj=30.3km s-min=81.0km az=-1.0.

(135) Near coast of central Chile

ISC	**VII**	**09 14 24 38.8–.77**	**37.68S–.05**	**73.7W–.10**	**23**	**4.2b**	**26**	**1-160**
ISCJB	VII	09 14 24 37.0–.63	37.69S–.04	73.80W–.09	23	4.3b		**¶601258061**
IDC	VII	09 14 24 36.1–1.0	37.61S	73.36W	0	4.1,4.0		
NEIC	VII	09 14 24 37.0–.00	37.70S	73.87W	30	4.3L,4.3b		
GUC	VII	09 14 24 37.3–.73	37.70S	73.87W	30–6	4.3L,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.9km az=3.0.
IDC Error ellipse: s-maj=35.0km s-min=20.2km az=77.0.
NEIC Event type fe. Felt [IV] at Curanilahue, Lebu and Los Alamos; [III] at Arauco and Canete; [II] at Concepcion. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=7.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**09 16 56 18.9–1.3**	**38.54N–.05**	**141.9E–.10**	**48–10**	**3.6b**	**34**	**0-62**
NIED	VII	09 16 56 00	38.50N	141.80E	56	3.6W		**¶601664341**
ISCJB	VII	09 16 56 18.2–.75	38.52N–.04	141.79E–.10	63–5	3.7b		
IDC	VII	09 16 56 19.4–2.4	38.56N	141.86E	58–21	3.6,3.4		
JMA	VII	09 16 56 20.0–.10	38.54N	141.72E	54–1	3.7,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ33.00000°,λ129.00000°. NP2:ϕ_s27.00000°,δ65.00000°,λ67.00000°. $M_0$2.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=5.7km az=17.7.
IDC Error ellipse: s-maj=30.0km s-min=16.1km az=89.0.
JMA Event type fe.

(478) Utah

ISC	**VII**	**09 17 58 19.8–1.1**	**41.10N–.07**	**112.60W–.06**	**0**		**10**	**1-8**
ISCJB	VII	09 17 58 19.9–.73	41.10N–.08	112.83W–.09	0			**¶601664344**
NEIC	VII	09 17 58 21.2–.65	41.10N	112.79W	0	1.7L		
IDC	VII	09 17 58 21.3–.90	41.37N	112.97W	0	2.7L,2.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=13.1km s-min=7.7km az=142.0.
NEIC Event type fm. Error ellipse: s-maj=11.8km s-min=6.8km az=142.0. 70 km [44 miles] W of Ogden. Suspected Mining explosion.
IDC Error ellipse: s-maj=47.1km s-min=5.3km az=155.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**09 18 47 44.5–1.2**	**40.36N–.04**	**142.20E–.09**	**53–9**	**3.8b**	**35**	**0-72**
NIED	VII	09 18 47 00	40.40N	142.10E	53	3.8W		**¶601664346**
ISCJB	VII	09 18 47 44.2–.70	40.38N–.03	142.11E–.09	61–4	3.8b		
JMA	VII	09 18 47 45.5–.10	40.35N	142.08E	50–1	3.9		
IDC	VII	09 18 47 46.5–1.8	40.39N	142.18E	72–15	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s22.00000°,δ69.00000°,λ92.00000°. $M_0$4.99000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.5km az=4.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=11.7km az=96.0.

(238) Ryukyu Islands

ISC	**VII**	**09 19 25 06.9–.28**	**29.27N–.03**	**130.28E–.03**	**42–2**	**5.2s,5.0b**	**999**	**1-167**
NIED	VII	09 19 25 00	29.30N	130.30E	38	5.5W,5.0b		**¶601624987**
BJI	VII	09 19 25 03.5	29.11N	130.46E	50	5.4b,5.4s		
IDC	VII	09 19 25 05.2–2.2	29.37N	130.19E	29–15	5.1,5.0		
MOS	VII	09 19 25 05.9–1.1	29.44N	130.12E	43	5.4b,5.3s		
JMA	VII	09 19 25 06.2	29.33N	130.23E	51–2	5.3,5.3s		
ISCJB	VII	09 19 25 06.1–.25	29.34N–.02	130.17E–.02	45–2	5.2s,5.0b		
GCMT	VII	09 19 25 07.1–.10	29.23N	130.31E	34–0	5.6W,5.0b		
NEIC	VII	09 19 25 07.1–.50	29.38N	130.10E	39–4	5.6W,5.5W		
NEIC	VII	09 19 25 08.0–.00	29.19N	130.41E	40	5.6W,5.5W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ31.00000°,λ57.00000°. NP2:ϕ_s45.00000°,δ64.00000°,λ108.00000°. $M_0$2.35000×10^{17}
IDC Error ellipse: s-maj=10.2km s-min=9.2km az=86.0.
MOS Error ellipse: s-maj=5.6km s-min=3.7km az=105.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=43.8.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s107,c206; s109,c288;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.64±.04 $M_{\theta\theta}$-0.81±.03; $M_{\phi\phi}$-1.83±.03; $M_{r\theta}$1.00±.03; $M_{\theta\phi}$-1.14±.02; $M_{\phi r}$0.93±.03; Best double couple: NP1:ϕ_s39.00000° ,δ59.00000°,λ96.00000°. NP2:ϕ_s207.00000°,δ32.00000°,λ80.00000°. Principal axes: T 2.9910,Plg75.0000°,Azm327.0000°; N -0.1040,Plg5.0000°,Azm216.0000° ; P -2.8880,Plg14.0000°,Azm125.0000° $M_0$2.94000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=147.0. Recorded [2 JMA] on Amami-oshima, Kikaiga-shima, Kuchino-shima, Nakano-shima and Tanega-shima. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.69 $M_{\theta\phi}$-0.62 $M_{\phi r}$0.88 Best double couple: NP1:ϕ_s210.00000°,δ27.00000°,λ85.00000°. NP2: ϕ_s36.00000°,δ64.00000°,λ93.00000°. Principal axes: T 1.8800,Plg71.0000°,Azm312.0000° ; N -0.0700,Plg2.0000°,Azm215.0000°; P -1.8100,Plg19.0000°,Azm124.0000° $M_0$1.90000×10^{17}
NEIC Event type se. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-1.18 $M_{r\theta}$1.67 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.34 Best double couple: NP1:ϕ_s47.00000° ,δ70.00000°,λ96.00000°. NP2:ϕ_s211.00000°,δ21.00000°,λ75.00000°. Principal axes: T 2.9800,Plg64.0000°,Azm326.0000°; N -0.3600,Plg5.0000°,Azm225.0000° ; P -2.6200,Plg24.0000°,Azm132.0000° $M_0$2.80000×10^{17}

(227) Eastern Honshu

ISC	**VII**	**09 22 19 03.3–1.0**	**36.02N–.06**	**139.91E–.06**	**49–10**	**3.5b**	**16**	**0-56**
IDC	VII	09 22 18 55.0–2.3	36.24N	140.47E	0	3.9L,3.5		**¶601664355**
ISCJB	VII	09 22 19 02.3–.68	36.00N–.06	139.93E–.07	56–6	3.4b,3.5		
JMA	VII	09 22 19 04.0	36.04N	139.88E	43–1	3.2,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=60.8km s-min=23.3km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=8.3km az=140.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s44.00000°,δ81.00000°,λ75.00000°. NP2:ϕ_s282.00000°,δ17.00000°,λ147.00000°. Principal axes: T Plg52.0000°,Azm297.0000°; N Plg14.0000°,Azm46.0000°; P Plg34.0000° ,Azm146.0000°

(248) Philippine Islands region

ISC	**VII**	**09 23 40 34.2–1.2**	**11.30N–.03**	**124.55E–.03**	**5–8**	**4.0b,3.3s**	**48**	**0-95**
IDC	VII	09 23 40 31.5–.88	11.79N	126.14E	0	5.2L,4.3		**¶601456889**
ISCJB	VII	09 23 40 33.8–1.0	11.33N–.03	124.57E–.04	5–8	4.1b,3.3s		
MAN	VII	09 23 40 34.5	11.28N	124.63E	12	4.9b,3.8L		
NEIC	VII	09 23 40 36.9–.55	11.72N	126.01E	35	4.1b,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=45.7km s-min=14.0km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.4km az=12.4.
NEIC Event type fe. Error ellipse: s-maj=23.1km s-min=8.1km az=66.0. Felt [III PIVS] at Capoocan, Carigara and Leyte; [II PIVS] at Kanaga, Ormoc and San Isidro, Leyte. Also felt [II PIVS] at Biliran, Biliran Island.

(74) Near coast of Nicaragua

ISC	**VII**	**10 02 36 00.6–.64**	**12.47N–.04**	**87.76W–.04**	**58–6**	**4.6b,3.3s**	**499**	**1-139**
ISCJB	VII	10 02 35 59.9–.27	12.47N–.03	87.75W–.02	70–2	4.6b,3.3s		**¶601605923**
UCR	VII	10 02 36 00.4–2.2	12.48N	87.80W	53–39	4.6b,4.3L		
IDC	VII	10 02 36 02.0–3.1	12.59N	87.67W	70–27	4.5,4.4		
NEIC	VII	10 02 36 02.2–.68	12.43N	87.67W	76–7	4.6b,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=32.8.
UCR Error ellipse: s-maj=12.0km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=13.9km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.1km az=219.0. Felt [I] at La Union, El Salvador.

(227) Eastern Honshu

ISC	**VII**	**10 03 48 58.0–.53**	**36.82N–.02**	**138.33E–.03**	**16–3**	**4.8b,4.5s**	**524**	**0-150**
NIED	VII	10 03 48 00	36.80N	138.40E	8	5.1W,4.5s		**¶601255485**
BJI	VII	10 03 48 51.4	36.73N	138.89E	13	5.0s,4.9b		
IDC	VII	10 03 48 57.0–1.1	36.82N	138.20E	12–8	4.5,4.5		
JMA	VII	10 03 48 57.4	36.83N	138.39E	9–2	5.2,4.5		
ISCJB	VII	10 03 48 57.1–.32	36.87N–.02	138.23E–.02	16–2	4.7b,4.6s		
MOS	VII	10 03 48 58.5–1.2	36.77N	138.19E	33	5.0b,4.5s		
NEIC	VII	10 03 48 58.0–.60	36.78N	138.09E	16–3	4.8b,4.5s		
GCMT	VII	10 03 48 58.0–.20	36.64N	138.58E	12	5.0W,4.5s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s343.00000°,δ45.00000°,λ-13.00000°. NP2:ϕ_s82.00000°,δ81.00000°,λ-134.00000°. $M_0$4.49000×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=10.7km az=88.0.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s93.00000° ,δ71.00000°,λ-145.00000°. NP2:ϕ_s350.00000°,δ57.00000°,λ-23.00000°. Principal axes: T Plg9.0000°,Azm219.0000°; N Plg51.0000°,Azm118.0000°; P Plg38.0000°,Azm316.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=39.0.
MOS Error ellipse: s-maj=6.5km s-min=4.1km az=104.6.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=151.0. Felt at Nagano, Nagaoka, Numata and Ueda. Recorded [5L JMA] in Nagano.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s41,c61; s103,c159; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.10 $M_{\theta\theta}$2.38±.09; $M_{\phi\phi}$-0.46±.10; $M_{r\theta}$-0.81±.26; $M_{\theta\phi}$-2.83±.08; $M_{\phi r}$-1.85±.28; Best double couple: NP1:ϕ_s338.00000° ,δ64.00000°,λ-35.00000°. NP2:ϕ_s85.00000°,δ59.00000°,λ-149.00000°. Principal axes: T 4.1390,Plg3.0000°,Azm33.0000°; N -0.0630,Plg47.0000°,Azm126.0000° ; P -4.0720,Plg43.0000°,Azm300.0000° $M_0$4.10500×10^{16}

(227) Eastern Honshu
JMA VII 10 03 50 12.8 36.81N 138.40E 9–1 3.9 ¶603637337
JMA Event type fe.
(227) Eastern Honshu
JMA VII 10 03 51 55.7 36.83N 138.40E 7–2 3.6 ¶603637341
JMA Event type fe.
(227) Eastern Honshu
ISC VII 10 03 57 21.0–1.0 36.79N–.03 138.42E–.03 9–10 20 0-57
ISCJB VII 10 03 57 20.8–.50 36.81N–.03 138.40E–.04 7–6 3.8b **¶601664368**
JMA VII 10 03 57 21.2 36.82N 138.39E 8–2 3.3
IDC VII 10 03 57 22.5–1.4 36.66N 138.31E 18–9 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=13.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s70.00000°,δ78.00000°,λ-146.00000°. NP2:ϕ_s332.00000°,δ57.00000°,λ-14.00000°. Principal axes: T Plg14.0000°,Azm197.0000°; N Plg54.0000°,Azm87.0000°; P Plg32.0000° ,Azm296.0000°
IDC Error ellipse: s-maj=23.0km s-min=5.4km az=19.0.
(227) Eastern Honshu
ISC VII 10 04 03 15.8–1.0 36.83N–.05 138.38E–.05 11–11 16 0-57
IDC VII 10 04 03 13.9–2.1 36.89N 138.41E 0 3.9,3.7 **¶603637391**
ISCJB VII 10 04 03 15.5–.62 36.78N–.04 138.38E–.05 25–7 3.8b,3.7
JMA VII 10 04 03 16.3 36.82N 138.39E 8–2 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=13.6km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=34.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s69.00000°,δ80.00000°,λ-152.00000°. NP2: ϕ_s334.00000°,δ62.00000°,λ-11.00000°. Principal axes: T Plg12.0000°,Azm199.0000° ; N Plg60.0000°,Azm87.0000°; P Plg27.0000°,Azm295.0000°
(1) Central Alaska
ISC VII 10 04 06 54.0–.47 63.43N–.03 149.42W–.03 111–4 4.2b 198 0-153
ISCJB VII 10 04 06 52.7–.15 63.45N–.02 149.41W–.04 115–1 4.0b **¶601605925**
NEIC VII 10 04 06 54.3–.00 63.44N 149.39W 104 4.3L,4.2W
IDC VII 10 04 06 54.5–.76 63.56N 149.57W 112–6 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=160.4.
NEIC Event type fe. Felt at Denali National Park, Fairbanks and North Pole. After AEIC. Moment Tensor Solution. s40 Moment tensor: Scale 10^{15}Nm; M_{rr}1.87 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$0.51 $M_{r\theta}$-0.12 $M_{\theta\phi}$1.11 $M_{\phi r}$1.33 Best double couple: NP1:ϕ_s318.00000°,δ60.00000°,λ129.00000°. NP2: ϕ_s79.00000°,δ47.00000°,λ43.00000°. Principal axes: T 2.7300,Plg56.0000°,Azm280.0000° ; N 0.0900,Plg33.0000°,Azm116.0000°; P -2.8300,Plg7.0000°,Azm21.0000° $M_0$2.80000×10^{15}
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=28.0.
(228) Near east coast of eastern Honshu
JMA VII 10 04 11 27.8–.10 38.85N 142.05E 46–1 3.5 ¶603637422
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
(227) Eastern Honshu
ISC VII 10 04 33 25.3–1.4 36.87N–.05 138.44E–.04 7–11 3.7b 22 0-69
NIED VII 10 04 33 00 36.80N 138.40E 5 4.0W **¶605671883**
IDC VII 10 04 33 23.5–1.4 36.94N 138.39E 0 3.9,3.7b
ISCJB VII 10 04 33 26.1–.45 36.80N–.03 138.37E–.04 25–5 3.7b,3.0s
JMA VII 10 04 33 26.6 36.83N 138.39E 9–2 3.9,3.0s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ42.00000°,λ2.00000°. NP2:ϕ_s259.00000°,δ88.00000°,λ132.00000°. $M_0$1.28000×10^{15}
IDC Error ellipse: s-maj=11.0km s-min=8.4km az=25.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.7km az=24.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s84.00000°,δ73.00000°,λ-141.00000°. NP2:ϕ_s341.00000°,δ53.00000°,λ-21.00000°. Principal axes: T Plg13.0000°,Azm208.0000°; N Plg48.0000°,Azm103.0000°; P Plg39.0000° ,Azm309.0000°
(196) Irian Jaya region
ISC VII 10 10 26 58.2–.24 1.68S–.03 134.28E–.03 21–1 5.1b,4.4s 490 0-152
BJI VII 10 10 26 52.8 2.16S 134.69E 32 5.1b,5.1b **¶601261437**
IDC VII 10 10 26 54.8–.40 1.65S 134.26E 0 4.9,4.9
ISCJB VII 10 10 26 56.5–.49 1.68S–.02 134.32E–.02 22–3 5.1b,4.4s
DJA VII 10 10 26 57.9–.20 2S–3.0 134E–2.0 10 5.8,5.7b
MOS VII 10 10 26 57.9–1.1 1.68S 134.26E 33 5.2b,4.4s
GCMT VII 10 10 26 59.6–.10 1.55S 134.30E 20–1 5.2W,4.4s
NEIC VII 10 10 26 59.6–1.3 1.69S 134.25E 30–9 5.2b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=10.0km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=157.5.
MOS Error ellipse: s-maj=9.6km s-min=5.4km az=106.3.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s72,c116; s113,c183; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.18 $M_{\theta\theta}$-2.09±.14; $M_{\phi\phi}$0.70±.17; $M_{r\theta}$0.18±.28; $M_{\theta\phi}$7.75±.14; $M_{\phi r}$4.49±.40; Best double couple: NP1:ϕ_s353.00000°,δ83.00000° ,λ150.00000°. NP2:ϕ_s87.00000°,δ60.00000°,λ8.00000°. Principal axes: T 8.9600,Plg26.0000°,Azm305.0000°; N 0.3590,Plg59.0000°,Azm160.0000° ; P -9.3210,Plg15.0000°,Azm43.0000° $M_0$9.14000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.8km az=57.0. Felt [III] at Bintuni and Manokwari.
(162) South Island
ISC VII 10 11 33 19.8–.82 41.40S–.03 173.80E–.03 58–5 147 0-152
ISCJB VII 10 11 33 19.1–.33 41.45S–.03 173.89E–.03 73–4 3.9b **¶601261438**
WEL VII 10 11 33 19.5 41S–2.0 174E–2.0 61–3 4.6L
NEIC VII 10 11 33 19.4–.00 41.41S 173.76E 67 4.6L
IDC VII 10 11 33 20.9–1.3 41.09S 173.84E 75–14 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=145.8.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Christchurch. After WEL.
IDC Error ellipse: s-maj=29.1km s-min=9.7km az=132.0.
(228) Near east coast of eastern Honshu
ISC VII 10 13 43 56.1–1.1 35.80N–.04 140.97E–.06 15–6 3.6b 24 0-60
NIED VII 10 13 43 00 35.80N 141.00E 11 3.4W **¶601664387**
ISCJB VII 10 13 43 53.4–1.3 35.79N–.04 141.19E–.07 12–7 3.7b
IDC VII 10 13 43 53.4–1.5 35.77N 141.10E 0 3.7,3.6
JMA VII 10 13 43 55.8–.20 35.79N 141.04E 16–1 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ42.00000°,λ-78.00000°. NP2:ϕ_s183.00000°,δ49.00000°,λ-100.00000°. $M_0$1.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.8km az=167.0.
IDC Error ellipse: s-maj=38.2km s-min=17.2km az=80.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s330.00000°,δ87.00000°,λ-130.00000°. NP2: ϕ_s237.00000°,δ41.00000°,λ-5.00000°. Principal axes: T Plg30.0000°,Azm92.0000° ; N Plg40.0000°,Azm333.0000°; P Plg35.0000°,Azm206.0000°
(1) Central Alaska
NEIC VII 10 14 56 23.9–.00 64.47N 146.83W 5 3.6L ¶601625004
NEIC Event type fe. Felt [III] at Fairbanks and [II] at Eielson AFB. Also felt at North Pole and Salcha. After AEIC.
(232) Western Honshu
JMA VII 10 18 15 09.8 35.25N 136.56E 6–1 2.6 ¶603638192
JMA Event type fe.
(228) Near east coast of eastern Honshu
ISC VII 10 20 19 48.1–1.7 40.20N–.03 142.01E–.08 7–11 3.7b 26 0-64
NIED VII 10 20 19 00 40.20N 142.00E 5 3.7W **¶601664399**
ISCJB VII 10 20 19 48.2–.85 40.18N–.03 141.98E–.08 23–6 3.7b,2.5s
JMA VII 10 20 19 48.1 40.20N 141.99E 12–1 3.7,2.5s
IDC VII 10 20 19 53.4–2.0 40.19N 141.99E 57–21 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ31.00000°,λ-106.00000°. NP2:ϕ_s284.00000°,δ60.00000°,λ-80.00000°. $M_0$4.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.0km az=174.4.
JMA Event type fe.
IDC Error ellipse: s-maj=32.7km s-min=13.0km az=95.0.
(228) Near east coast of eastern Honshu
ISC VII 10 22 58 46.9–1.9 38.10N–.05 142.27E–.07 10–10 3.6b 30 1-58
NIED VII 10 22 58 00 38.20N 142.30E 29 3.5W **¶601664404**
JMA VII 10 22 58 50.0–.20 38.21N 142.34E 37–2 3.8
IDC VII 10 22 58 52.6–3.7 38.14N 142.63E 64–27 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ9.00000°,λ-33.00000°. NP2:ϕ_s201.00000°,δ85.00000°,λ-98.00000°. $M_0$2.31000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=35.6km s-min=19.7km az=115.0.
(193) Bougainville-Solomon Islands region
ISC VII 11 00 16 10.6–.75 8.46S–.04 156.43E–.04 13–4 5.2b,4.7s 502 4-161
BJI VII 11 00 16 08.1 8.12S 156.60E 5 5.3b,5.1b **¶601261267**
IDC VII 11 00 16 08.0–.37 8.46S 156.44E 0 5.0,4.9
ISCJB VII 11 00 16 08.8–.14 8.47S–.03 156.29E–.02 10 5.2b,4.7s
GCMT VII 11 00 16 10.0–.10 8.53S 156.41E 13–0 5.3W,4.7s
NEIC VII 11 00 16 10.0–.17 8.44S 156.28E 10 5.3W,5.2b
MOS VII 11 00 16 12.5–1.3 8.39S 156.22E 33 5.4b,4.7s
DJA VII 11 00 16 17.6–5.6 9S–15 156E–41 55–29 5.9b,5.6b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s105,c175; s117,c224;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$0.99±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.10±.04; $M_{\theta\phi}$0.60±.02; $M_{\phi r}$-0.40±.05; Best double couple: NP1:ϕ_s31.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s299.00000° ,δ80.00000°,λ-10.00000°. Principal axes: T 1.1460,Plg0.0000°,Azm165.0000° ; N 0.2760,Plg75.0000°,Azm74.0000°; P -1.4240,Plg15.0000°,Azm255.0000° $M_0$1.28500×10^{17}
NEIC Event type fe. Felt at Honiara. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$0.79 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.22 $M_{\theta\phi}$0.74 $M_{\phi r}$0.05 Best double couple: NP1:ϕ_s117.00000° ,δ80.00000°,λ11.00000°. NP2:ϕ_s25.00000°,δ79.00000°,λ170.00000°. Principal axes: T 1.1100,Plg15.0000°,Azm341.0000°; N 0.1900,Plg75.0000°,Azm157.0000° ; P -1.3000,Plg1.0000°,Azm251.0000° $M_0$1.20000×10^{17}
(228) Near east coast of eastern Honshu
ISC VII 11 02 43 52.9–.89 36.72N–.03 140.56E–.04 9–6 3.9b 32 0-91
ISCJB VII 11 02 43 52.1–.58 36.69N–.03 140.71E–.06 16–4 3.8b **¶601261272**
JMA VII 11 02 43 52.9 36.72N 140.64E 6 3.5
IDC VII 11 02 43 58.1–2.9 36.72N 140.45E 49–28 3.8,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=17.7.
JMA Event type fe.
IDC Error ellipse: s-maj=23.5km s-min=17.0km az=92.0.
(228) Near east coast of eastern Honshu
ISC VII 11 02 58 53.1–.88 35.66N–.05 140.73E–.06 43–8 3.6b 26 0-79
ISCJB VII 11 02 58 52.6–.52 35.66N–.04 140.72E–.06 52–4 3.6b **¶601664414**
JMA VII 11 02 58 53.2–.10 35.73N 140.69E 47–1 3.2
IDC VII 11 02 58 54.0–2.4 35.56N 140.66E 51–25 4.0L,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.3km az=158.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=8.4km az=66.0.
(193) Bougainville-Solomon Islands region
ISC VII 11 04 09 57.3–.42 9.74S–.06 159.50E–.06 22 4.7b 64 1-92
IDC VII 11 04 09 53.8–.57 9.78S 159.52E 0 4.6,4.4
ISCJB VII 11 04 09 55.5–.28 9.81S–.04 159.44E–.05 22 4.8s,4.6b
BJI VII 11 04 09 56.8 9.80S 159.50E 20 5.1b,4.9s
NEIC VII 11 04 09 58.3–1.4 9.78S 159.52E 32–5 4.7b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.1km az=43.5.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=7.4km az=136.0. Felt at Honiara.
(88) Dominican Republic region
ISC VII 11 09 11 20.2–.35 18.70N–.04 69.55W–.04 101 4.4b 651 0-158
ISCJB VII 11 09 11 19.5–.14 18.80N–.02 69.44W–.02 101 4.3b **¶601261448**
NEIC VII 11 09 11 21.5–.25 18.71N 69.37W 107–3 4.5b
IDC VII 11 09 11 21.2–1.4 18.71N 69.47W 110–14 4.3,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=137.6.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=213.0. Felt at Santo Domingo.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=29.0.
(228) Near east coast of eastern Honshu
ISC VII 11 10 54 33.0–1.1 35.85N–.03 141.06E–.05 14–6 4.5b 130 0-148
NIED VII 11 10 54 00 35.90N 141.10E 11 4.1W **¶601261450**
IDC VII 11 10 54 30.7–.50 35.71N 140.91E 0 4.3,4.2
ISCJB VII 11 10 54 32.3–.61 35.82N–.03 141.06E–.04 20–3 4.5b,4.2
NEIC VII 11 10 54 32.7–2.5 35.79N 141.00E 12–16 4.6b,4.2
JMA VII 11 10 54 32.9–.20 35.80N 141.02E 17–1 4.4,4.2
BJI VII 11 10 54 33.9 35.93N 141.10E 32 4.9b,4.6b
MOS VII 11 10 54 34.2–1.2 35.88N 140.93E 33 4.6b,4.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ33.00000°,λ-106.00000°. NP2:ϕ_s23.00000°,δ59.00000°,λ-80.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=14.7km s-min=11.4km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=6.6.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.9km az=117.0. Felt at Mito and Tsuchiura. Recorded [2 JMA] in Chiba and Ibaraki.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s197.00000°,δ73.00000°,λ-20.00000°. NP2: ϕ_s293.00000°,δ70.00000°,λ-162.00000°. Principal axes: T Plg2.0000°,Azm245.0000° ; N Plg64.0000°,Azm339.0000°; P Plg26.0000°,Azm154.0000°
MOS Error ellipse: s-maj=11.2km s-min=6.2km az=104.5.
(460) Wyoming
ISC VII 11 18 00 08.0–.96 43.86N–.04 105.24W–.05 0 24 1-9
IDC VII 11 18 00 05.4–2.4 43.50N 105.25W 0 3.9,3.7 **¶601664439**
ISCJB VII 11 18 00 06.3–.51 43.93N–.04 105.24W–.06 0 3.9,3.7
NEIC VII 11 18 00 07.2–.53 43.84N 105.20W 0 3.2L,3.7
ISC Event type sm.
IDC Error ellipse: s-maj=57.2km s-min=9.8km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=6.5km s-min=5.1km az=18.0.
NEIC Event type fm. Error ellipse: s-maj=8.2km s-min=7.4km az=159.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.
(115) Near coast of Peru
ISC VII 11 18 02 53.1–.87 17.64S–.06 71.82W–.07 105–11 3.9b 37 2-125
IDC VII 11 18 02 51.6–2.2 17.72S 71.88W 94–21 4.3,4.0 **¶601266287**
GUC VII 11 18 02 51.0–.40 17.72S 72.02W 41–148 4.4L,4.0
NEIC VII 11 18 02 51.1–1.2 17.75S 71.83W 87–14 4.5L,4.1b
ISCJB VII 11 18 02 52.4–.47 17.66S–.04 71.85W–.05 111–7 3.8b,4.1b
ISC Event type fe.
NEIC Event type fe. Felt [III] at Mollendo and [II] at Arequipa and Camana.
ISCJB Event type fe.
(115) Near coast of Peru
ISC VII 11 20 52 39.0–.28 15.43S–.04 75.55W–.04 26 5.2s,5.1b 818 4-174
IDC VII 11 20 52 34.3–.43 15.30S 75.35W 0 5.0,5.0s **¶601265439**
NEIC VII 11 20 52 37.0–2.0 15.28S 75.29W 14–12 5.4W,5.1b
ISCJB VII 11 20 52 37.2–.18 15.25S–.03 75.71W–.04 33 5.1s,5.0b
GCMT VII 11 20 52 37.0–.20 15.39S 75.67W 21–0 5.5W,5.0b
MOS VII 11 20 52 38.7–1.3 15.22S 75.33W 35 5.2b,5.1s
BJI VII 11 20 52 39.5 15.30S 75.40W 25 5.5s,5.3
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.9km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.6km az=70.0. Felt [II] at Ica, Nazca and Palpa. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.11 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.16 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.78 $M_{\phi r}$-1.19 Best double couple: NP1:ϕ_s177.00000°,δ68.00000° ,λ114.00000°. NP2:ϕ_s308.00000°,δ32.00000°,λ45.00000°. Principal axes: T 1.7400,Plg60.0000°,Azm121.0000°; N 0.1700,Plg22.0000°,Azm348.0000° ; P -1.9100,Plg20.0000°,Azm249.0000° $M_0$1.80000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=151.9.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s85,c150; s111,c239;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-1.65±.03; $M_{r\theta}$0.26±.04; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$-1.74±.07; Best double couple: NP1: ϕ_s169.00000°,δ67.00000°,λ97.00000°. NP2:ϕ_s331.00000°,δ24.00000°,λ74.00000°. Principal axes: T 2.4320,Plg67.0000°,Azm91.0000°; N 0.1550,Plg6.0000°,Azm346.0000° ; P -2.5860,Plg22.0000°,Azm253.0000° M_o2.50900×10^{17}

MOS Error ellipse: s-maj=13.7km s-min=6.4km az=107.4.

(115) Near coast of Peru

ISC	**VII**	**11 21 41 52.0–.35**	**15.29S–.05**	**75.30W–.07**	**26**	**4.9b,4.4s**	**202**	**4-174**
IDC	VII	11 21 41 47.4–.46	15.31S	75.44W	0	4.5,4.5		**¶601266289**
ISCJB	VII	11 21 41 50.0–.23	15.26S–.04	75.35W–.05	26	4.8b,4.4s		
NEIC	VII	11 21 41 53.2–.79	15.27S	75.27W	35–7	4.9b,4.7L		
GCMT	VII	11 21 41 53.2–.40	15.42S	75.58W	23–1	5.1W,4.7L		
BJI	VII	11 21 41 54.3	15.30S	75.30W	35	5.2b,5.1s		

ISC Event type fe.

IDC Error ellipse: s-maj=20.0km s-min=12.1km az=68.0.

ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.1km az=146.3.

NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=60.0. Felt [II] at Ica and Nazca.

GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s34,c41; s67,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.38±.25 $M_{\theta\theta}$-0.56±.13; $M_{\phi\phi}$-3.82±.17; $M_{r\theta}$1.07±.19; $M_{\theta\phi}$1.42±.08; $M_{\phi r}$-2.69±.23; Best double couple: NP1:ϕ_s159.00000°,δ62.00000° ,λ89.00000°. NP2:ϕ_s340.00000°,δ28.00000°,λ91.00000°. Principal axes: T 5.2530,Plg73.0000°,Azm67.0000°; N -0.0330,Plg1.0000°,Azm159.0000° ; P -5.2250,Plg17.0000°,Azm249.0000° M_o5.23900×10^{16}

(163) Cook Strait

WEL	**VII**	**11 22 54 31.4**	**41.1S–.60**	**174.9E–.80**	**29–0**	**3.8L**		
NEIC	VII	11 22 54 31.8–.00	41.11S	174.91E	28	3.8L		**¶601272588**

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

NEIC Event type fe. Felt in the southern part of the North Island. After WEL.

(249) Luzon

ISC	**VII**	**12 00 09 26.5–.90**	**17.34N–.03**	**120.93E–.03**	**28–6**	**4.5b,3.4s**	**171**	**0-152**
IDC	VII	12 00 09 21.0–.42	17.19N	121.04E	0	4.3,4.2b		**¶601266293**
ISCJB	VII	12 00 09 24.8–.53	17.29N–.02	120.93E–.03	27–4	4.4b,3.5s		
MAN	VII	12 00 09 24.4	17.39N	120.76E	14	5.1b,4.1s		
BJI	VII	12 00 09 27.9	17.23N	120.97E	56	4.7b,4.4b		
NEIC	VII	12 00 09 28.2–.60	17.23N	121.05E	51–5	4.6b,4.4b		

ISC Event type fe.

IDC Error ellipse: s-maj=17.4km s-min=9.5km az=77.0.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=7.0.

NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=82.0. Felt [IV PIVS] at Balbalan, Bontoc, Bucloc, Lagangilang, Lagawe and San Juan; [III PIVS] at Baguio City and Candon. Also felt at Santa Lucia.

(70) Guatemala

ISC	**VII**	**12 01 43 01.2–.29**	**14.84N–.04**	**90.99W–.03**	**202–2**	**4.9b**	**1762**	**1-153**
UCR	VII	12 01 43 00.1–2.0	15.59N	90.16W	200–16	5.4b,4.7		**¶601271902**
NEIC	VII	12 01 43 01.6–.17	14.75N	90.94W	202	5.4b,5.2W		
ISCJB	VII	12 01 43 01.9–.20	14.83N–.01	90.91W–.02	219–2	4.9b,5.2W		
GCMT	VII	12 01 43 01.6–.30	14.93N	91.07W	204–2	5.2W,5.2W		
IDC	VII	12 01 43 02.1–.44	14.96N	90.73W	204–3	4.9,4.6		
MEX	VII	12 01 43 02.0–.85	14.81N	91.16W	204–9	5.1,4.6		
MOS	VII	12 01 43 03.6–.84	14.97N	90.77W	230	4.9b,4.6		
BJI	VII	12 01 43 03.0	14.90N	90.90W	215	5.3b,4.6		

ISC Event type fe.

UCR Error ellipse: s-maj=24.1km s-min=25.6km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=209.0. Felt at Fraijanes, Guatemala, Lanquin, Mazatenango and Mixco. Felt [II] at San Salvador, El Salvador. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}1.13 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-1.25 $M_{r\theta}$4.62 $M_{\theta\phi}$1.05 $M_{\phi r}$-5.35 Best double couple: NP1:ϕ_s139.00000°,δ84.00000°,λ86.00000°. NP2:ϕ_s355.00000°,δ7.00000°,λ126.00000°. Principal axes: T 6.9400,Plg51.0000° ,Azm44.0000°; N 0.5800,Plg4.0000°,Azm139.0000°; P -7.5200,Plg39.0000°,Azm233.0000° M_o7.30000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=141.9.

GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s48,c64; s95,c152; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.89±.19 $M_{\theta\theta}$-2.27±.22; $M_{\phi\phi}$1.38±.23; $M_{r\theta}$5.80±.17; $M_{\theta\phi}$-0.53±.22; $M_{\phi r}$-4.77±.17; Best double couple: NP1:ϕ_s127.00000°,δ87.00000° ,λ104.00000°. NP2:ϕ_s227.00000°,δ14.00000°,λ10.00000°. Principal axes: T 8.0320,Plg46.0000°,Azm52.0000°; N -0.5200,Plg14.0000°,Azm307.0000° ; P -7.5110,Plg41.0000°,Azm204.0000° M_o7.77100×10^{16}

IDC Error ellipse: s-maj=10.9km s-min=6.3km az=52.0.

MEX Error ellipse: s-maj=9.2km s-min=8.0km az=-1.0.

MOS Error ellipse: s-maj=8.6km s-min=4.5km az=102.2.

(71) Near coast of Guatemala

NEIC	**VII**	**12 02 34 57.6–2.8**	**13.83N**	**90.49W**	**101–17**	**3.8**		
								¶601405505

NEIC Event type fe. Error ellipse: s-maj=69.4km s-min=12.5km az=204.0. Felt [I] at Ahuachapan, El Salvador.

(227) Eastern Honshu

JMA	**VII**	**12 03 31 03.5–.10**	**35.48N**	**138.99E**	**21–1**	**2.8**		
								¶603638926

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ74.00000°,λ118.00000°. NP2:ϕ_s193.00000°,δ32.00000°,λ32.00000°. Principal axes: T Plg53.0000°,Azm18.0000°; N Plg26.0000°,Azm247.0000°; P Plg24.0000° ,Azm144.0000°

(227) Eastern Honshu

ISC	**VII**	**12 04 54 46.8–.59**	**36.11N–.04**	**139.88E–.04**	**48–5**	**4.4b**	**209**	**0-153**
NIED	VII	12 04 54 00	36.10N	139.90E	59	4.3W		**¶601266305**
BJI	VII	12 04 54 44.5	36.10N	139.90E	43	4.8b,4.6b		
ISCJB	VII	12 04 54 46.0–.33	36.07N–.03	139.87E–.03	57–2	4.4b,4.6b		
JMA	VII	12 04 54 47.0–.10	36.08N	139.89E	46–1	4.2,4.6b		
MOS	VII	12 04 54 47.6–.91	36.30N	139.70E	63	4.6b,4.6b		
IDC	VII	12 04 54 48.3–1.0	35.98N	139.81E	67–9	4.3,4.1		
NEIC	VII	12 04 54 48.0–.43	36.08N	139.73E	60–3	4.5b,4.1		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ20.00000°,λ94.00000°. NP2:ϕ_s51.00000°,δ70.00000°,λ89.00000°. M_o3.22000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=157.3.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ86.00000°. NP2: ϕ_s236.00000°,δ20.00000°,λ100.00000°. Principal axes: T Plg65.0000°,Azm309.0000° ; N Plg3.0000°,Azm46.0000°; P Plg25.0000°,Azm138.0000°

MOS Error ellipse: s-maj=9.8km s-min=5.9km az=108.9.

IDC Error ellipse: s-maj=11.7km s-min=7.0km az=67.0.

NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=155.0. Felt [II] at Tokyo. Felt widely in southeastern Honshu. Recorded [3 JMA] in Ibaraki, Saitama and Tochigi.

(230) Near south coast of eastern Honshu

ISC	**VII**	**12 05 10 21.5–.90**	**35.70N–.04**	**139.63E–.07**	**92–7**	**3.5b**	**26**	**0-56**
ISCJB	VII	12 05 10 20.5–.58	35.70N–.04	139.64E–.08	99–5	3.5b		**¶601664465**
JMA	VII	12 05 10 22.0–.10	35.71N	139.70E	85–2	3.4		
IDC	VII	12 05 10 23.1–1.1	35.62N	139.34E	107–9	3.6,3.4		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.5km az=159.6.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s227.00000°,δ70.00000°,λ-96.00000°. NP2: ϕ_s64.00000°,δ20.00000°,λ-74.00000°. Principal axes: T Plg25.0000°,Azm322.0000° ; N Plg6.0000°,Azm229.0000°; P Plg64.0000°,Azm128.0000°

IDC Error ellipse: s-maj=32.2km s-min=7.1km az=68.0.

(36) Northern California

ISC	**VII**	**12 10 39 07.6–.77**	**40.75N–.03**	**123.75W–.04**	**31–6**		**218**	**0-21**
ISCJB	VII	12 10 39 06.6–.21	40.74N–.01	123.74W–.03	41–4	4.0b		**¶601275882**
IDC	VII	12 10 39 06.2–2.2	40.77N	123.41W	0	3.6,3.4		
NEIC	VII	12 10 39 07.5–.00	40.75N	123.68W	30	4.1b,4.0W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=170.1.

IDC Error ellipse: s-maj=25.1km s-min=9.9km az=65.0.

NEIC Event type fe. Felt [III] at Blue Lake and Rio Dell; [II] at Arcata, Bayside, Burnt Ranch, Eureka, Fortuna, McKinleyville, Salyer and Willow Creek. Also felt at Carlotta, Crescent City, Ferndale, Hayfork, Hoopa, Hyampom, Hydesville, Kneeland, Mount Shasta, Scotia and Trinidad. After NCEDC. Moment Tensor Solution. M_o1.20000×10^{15}

(224) Hokkaido region

ISC	**VII**	**12 11 17 14.1–.45**	**41.51N–.04**	**143.39E–.04**	**38–1**	**4.6b,3.2s**	**264**	**1-147**
NIED	VII	12 11 17 00	41.50N	143.30E	47	4.4W,3.2s		**¶601271907**
BJI	VII	12 11 17 10.6	41.65N	143.62E	43	4.8b,4.7b		
MOS	VII	12 11 17 14.9–.93	41.59N	143.16E	56	4.8b,4.7b		
ISCJB	VII	12 11 17 14.7–.35	41.54N–.03	143.25E–.03	56–2	4.6b,3.4s		
JMA	VII	12 11 17 15.9–.10	41.56N	143.20E	55–2	4.6,3.4s		
NEIC	VII	12 11 17 16.8–.40	41.54N	143.09E	56–3	4.6b,3.4s		
IDC	VII	12 11 17 17.1–1.7	41.57N	143.11E	58–14	4.5,4.3		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ32.00000°,λ176.00000°. NP2:ϕ_s146.00000°,δ88.00000°,λ58.00000°. M_o4.53000×10^{15}

MOS Error ellipse: s-maj=7.1km s-min=5.1km az=86.9.

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=139.8.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.3km az=132.0. Felt at Misawa, Honshu. Recorded [2 JMA] in southern and southwestern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu.

IDC Error ellipse: s-maj=13.4km s-min=9.8km az=114.0.

(718) Hindu Kush region

ISC	**VII**	**12 14 00 34.2–.18**	**36.51N–.02**	**70.87E–.02**	**197–1**	**5.7b**	**1927**	**2-150**
SOME	VII	12 14 00 31.0	37.12N	70.97E	0	5.5s		**¶601268265**
ISCJB	VII	12 14 00 32.0–.19	36.50N–.01	70.87E–.01	185–1	5.7b		
MOS	VII	12 14 00 32.8–.92	36.54N	70.91E	191	6.0b,4.9s		
NEIC	VII	12 14 00 33.0–.00	36.60N	70.75E	190	6.0b,4.9s		
BJI	VII	12 14 00 33.7	36.61N	70.96E	190	5.7b,5.5b		
NEIC	VII	12 14 00 34.3–.12	36.53N	70.91E	198	5.8,5.8W		
IDC	VII	12 14 00 34.6–.26	36.49N	70.96E	200–2	6.0,5.5		
GCMT	VII	12 14 00 34.3–.10	36.47N	70.76E	192–0	5.8W,5.5		
NNC	VII	12 14 00 36.4–2.1	36.89N	70.74E	203–28	6.8,5.7b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=27.4.

MOS Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=123.4. Felt (II-III) at Shymkent, Dzhambul. Moment Tensor Solution.

NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}3.71 $M_{\theta\theta}$-3.56 $M_{\phi\phi}$-0.15 $M_{r\theta}$-1.82 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.56 Best double couple: NP1:ϕ_s269.00000° ,δ58.00000°,λ104.00000°. NP2:ϕ_s64.00000°,δ34.00000°,λ69.00000°. Principal axes: T 4.2600,Plg72.0000°,Azm214.0000°; N -0.1400,Plg11.0000°,Azm82.0000° ; P -4.1200,Plg12.0000°,Azm349.0000° M_o4.20000×10^{17}

NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=196.0. Felt [IV] at Kabul and Jalalabad; [III] at Bagrami, Jurm and Mahmud-e Raqi. Also felt at Charikar. Felt [IV] at Lahore, Pakistan. Also felt at Dir and Peshawar. Felt [III] at Tashkent, Uzbekistan and [II] at Dushanbe, Tajikistan. Felt [III] at Gurgaon, India. Also felt at Delhi, Jaipur and Noida. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}5.07 $M_{\theta\theta}$-4.33 $M_{\phi\phi}$-0.73 $M_{r\theta}$-3.65 $M_{\theta\phi}$-0.25 $M_{\phi r}$2.03 Best double couple: NP1:ϕ_s76.00000°,δ27.00000°,λ63.00000°. NP2:ϕ_s286.00000°,δ66.00000°,λ103.00000°. Principal axes: T 6.8500,Plg67.0000° ,Azm220.0000°; N -1.2300,Plg12.0000°,Azm100.0000°; P -5.6300,Plg20.0000°,Azm6.0000° M_o6.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s260.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s80.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm170.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm350.0000°

IDC Error ellipse: s-maj=5.9km s-min=4.3km az=17.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s120,c188; s140,c389;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.67±.05 $M_{\theta\theta}$-4.26±.06; $M_{\phi\phi}$-0.41±.05; $M_{r\theta}$-3.29±.05; $M_{\theta\phi}$-0.70±.06; $M_{\phi r}$0.21±.04; Best double couple: NP1: ϕ_s268.00000°,δ63.00000°,λ97.00000°. NP2:ϕ_s73.00000°,δ28.00000°,λ77.00000°. Principal axes: T 5.7800,Plg71.0000°,Azm192.0000°; N -0.3690,Plg6.0000°,Azm85.0000° ; P -5.4130,Plg18.0000°,Azm353.0000° M_o5.59700×10^{17}

NNC Event type se. Error ellipse: s-maj=23.7km s-min=12.7km az=167.0.

(717) Afghanistan-Tajikistan border region

ISC	**VII**	**12 14 44 54.8–.35**	**36.47N–.03**	**71.11E–.03**	**154–3**	**4.6b**	**379**	**3-135**
MOS	VII	12 14 44 53.8–1.0	36.43N	71.22E	153	4.8b		**¶601268266**
ISCJB	VII	12 14 44 53.8–.27	36.47N–.02	71.15E–.02	152–3	4.5b		
BJI	VII	12 14 44 54.4	36.50N	71.10E	175	4.9b,4.7b		
IDC	VII	12 14 44 55.2–2.2	36.40N	71.11E	156–21	4.7,4.3		
NEIC	VII	12 14 44 56.2–.24	36.52N	71.17E	168	4.7b,4.3		
NNC	VII	12 14 44 57.2–2.3	36.75N	70.89E	162–29	5.7,4.6b		

ISC Event type fe.

MOS Error ellipse: s-maj=5.8km s-min=4.0km az=94.5.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=179.0.

IDC Error ellipse: s-maj=10.3km s-min=7.2km az=8.0.

NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.6km az=156.0. Felt at Kabul.

NNC Event type se. Error ellipse: s-maj=22.7km s-min=12.9km az=171.0.

(43) Southern California

ISC	**VII**	**12 17 54 28.5–.88**	**34.06N–.01**	**116.42W–.01**	**14–7**		**232**	**0-36**
IDC	VII	12 17 54 24.9–2.3	33.84N	116.64W	0	3.9L,3.7		**¶601625027**
ISCJB	VII	12 17 54 27.6–.22	34.09N–.01	116.37W–.01	9–1	3.6b,3.7		
NEIC	VII	12 17 54 28.8–.00	34.09N	116.39W	11	3.9L,3.7		

ISC Event type fe.

IDC Error ellipse: s-maj=37.1km s-min=12.8km az=51.0.

ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=162.2.

NEIC Event type fe. Felt [III] at Joshua Tree, Morongo Valley and Yucca Valley; [II] at Cathedral City, Desert Hot Springs, Huntington Beach, Palm Desert, Palm Springs, Rancho Mirage and Twentynine Palms. Also felt at Banning, Corona, Hesperia, Highland, Indio, Irvine, Landers, Mission Viejo, Phelan, Redondo Beach, Riverside, San Jacinto, Temecula, Thousand Palms, Trabuco Canyon, Van Nuys and Whittier. After PAS.

(389) Tyrrhenian Sea

ISC	**VII**	**12 21 23 01.5–.53**	**40.68N–.05**	**13.61E–.05**	**416–6**	**3.6b**	**514**	**1-82**
PDG	VII	12 21 22 55.3–.69	40.69N	13.54E	426–4	4.1L		**¶601271870**
ROM	VII	12 21 22 55.5–.21	40.56N–.01	13.53E–.03	440–1	3.7L		
ISCJB	VII	12 21 22 60.0–.17	40.65N–.02	13.47E–.02	421–1	3.7b		
LDG	VII	12 21 22 59.7–.10	40.62N	13.41E	430	3.6,3.4L		
MOS	VII	12 21 23 01.3–.81	40.72N	13.61E	427	3.9b,3.4L		
CSEM	VII	12 21 23 01.0–.11	40.67N	13.48E	420–1	3.8b,3.4L		
NEIC	VII	12 21 23 01.7–.29	40.60N	13.60E	423–4	4.0L,4.0b		
IDC	VII	12 21 23 01.5–.67	40.70N	13.41E	418–9	4.0,3.3		

ISC Event type fe.

PDG Event type ke. Error ellipse: s-maj=1.7km s-min=2.1km az=0.0.

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=9.4.

LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=15.0.

MOS Error ellipse: s-maj=8.8km s-min=4.6km az=61.8.

CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=17.0.

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.6km az=218.0. Felt on Isola d'Ischia, Italy.

IDC Error ellipse: s-maj=12.7km s-min=11.0km az=140.0.

(118) Peru-Bolivia border region

ISC	**VII**	**13 00 57 55.2–.73**	**17.64S–.05**	**69.63W–.07**	**106–7**	**4.5b**	**308**	**1-150**
ISCJB	VII	13 00 57 53.4–.43	17.52S–.04	69.68W–.04	109–5	4.5b		**¶601271929**
NEIC	VII	13 00 57 57.2–1.1	17.60S	69.65W	122–9	4.6b,4.4L		
GUC	VII	13 00 57 57.3–.58	17.97S	70.06W	138–5	4.4L,4.4L		
IDC	VII	13 00 57 58.7–2.0	17.61S	69.56W	133–17	4.6,4.3		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=6.5km az=28.5.

NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=10.2km az=55.0. Felt [II] at Arica, Chile.

GUC Error ellipse: s-maj=5.5km s-min=7.6km az=-1.0.

IDC Error ellipse: s-maj=18.6km s-min=12.6km az=83.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**13 05 14 23.3–1.4**	**38.76N–.04**	**142.50E–.05**	**31–9**	**4.5b,3.6s**	**105**	**1-149**
NIED	VII	13 05 14 00	38.80N	142.50E	44	4.3W,3.6s		**¶601271883**
BJI	VII	13 05 14 21.7	38.78N	142.51E	36	4.9b,4.6b		
NEIC	VII	13 05 14 24.9–.30	38.92N	142.40E	35	4.6b,4.6b		
JMA	VII	13 05 14 24.1–.10	38.80N	142.46E	44–2	4.5,4.6b		
IDC	VII	13 05 14 26.1–2.6	38.76N	142.32E	55–22	4.3,4.2		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ21.00000°,λ107.00000°. NP2:ϕ_s219.00000°,δ70.00000°,λ84.00000°. M_o3.63000×10^{15}

NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=5.2km az=155.0. Recorded [3 JMA] in Miyagi.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=16.0km az=160.0.

(159) North Island

ISC	**VII**	**13 14 01 20.8–.57**	**38.61S–.03**	**176.93E–.03**	**71–4**	**4.4b**	**285**	**0-156**
ISCJB	VII	13 14 01 19.7–.19	38.60S–.02	176.99E–.03	75–1	4.4b		¶601272424
IDC	VII	13 14 01 20.4–.59	38.35S	176.99E	62–7	4.4,4.3		
WEL	VII	13 14 01 20.6	38.5S–.80	177.0E–.80	65–1	5.2L,4.3		
NEIC	VII	13 14 01 21.3–.00	38.52S	176.97E	61	5.3L,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=11.7.
IDC Error ellipse: s-maj=19.1km s-min=16.1km az=54.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the eastern part of the North Island. After WEL.

(228) Near east coast of eastern Honshu

ISC	**VII**	**13 14 42 15.0–1.7**	**38.33N–.04**	**142.17E–.06**	**12–10**	**4.1b,3.4s**	**46**	**1-89**
NIED	VII	13 14 42 00	38.40N	142.30E	32	4.0W,3.4s		¶601664529
ISCJB	VII	13 14 42 15.1–1.0	38.34N–.03	142.26E–.05	25–6	3.9b,3.3s		
JMA	VII	13 14 42 17.0–.10	38.43N	142.21E	34–1	4.2,3.3s		
IDC	VII	13 14 42 18.3–3.8	38.33N	142.11E	33–30	4.0,4.0L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s144.00000°,δ39.00000°,λ-45.00000°. NP2:ϕ_s272.00000°,δ64.00000°,λ-120.00000°. $M_0$1.10000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=21.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=18.4km s-min=11.1km az=90.0.

(277) Jawa

ISC	**VII**	**13 17 57 05.8–.51**	**8.11S–.04**	**109.09E–.03**	**73–4**	**4.9b**	**738**	**1-160**
MOS	VII	13 17 57 01.3–1.1	7.95S	109.05E	45	5.2b		¶601272428
BJI	VII	13 17 57 04.9	8.00S	109.10E	70	4.9b,4.8b		
GCMT	VII	13 17 57 06.3–.30	8.43S	109.15E	71–2	4.9W,4.8b		
NEIC	VII	13 17 57 06.3–.50	7.98S	109.10E	74–4	4.9b,4.8b		
DJA	VII	13 17 57 06.0–.30	8S–4.0	109E–2.0	59–4	5.2b,5.2		
ISCJB	VII	13 17 57 06.4–.33	8.00S–.03	109.09E–.02	93–2	4.8b,5.2		
IDC	VII	13 17 57 09.0–.93	7.93S	109.16E	97–8	4.8,4.5		
KLM	VII	13 17 57 09.0	8.15S	109.22E	71	5.1b,4.5		

ISC Event type fe.
MOS Error ellipse: s-maj=8.4km s-min=5.3km az=119.8.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s47,c61; s72,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.25±.10 $M_{\theta\theta}$-2.77±.09; $M_{\phi\phi}$0.51±.11; $M_{r\theta}$1.13±.07; $M_{\theta\phi}$0.33±.08; $M_{\phi r}$-0.10±.07; Best double couple: NP1:ϕ_s96.00000°,δ57.00000°,λ90.00000°. NP2:ϕ_s276.00000°,δ33.00000°,λ90.00000°. Principal axes: T 2.4930,Plg78.0000°,Azm5.0000°; N 0.5510,Plg0.0000°,Azm96.0000°; P -3.0470,Plg12.0000°,Azm186.0000° $M_0$2.77000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=218.0. Felt [III] at Ciamis, Cilacap and Pangandaran. Also felt at Sleman.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.0km az=26.4.
IDC Error ellipse: s-maj=10.1km s-min=6.9km az=39.0.

(478) Utah

ISC	**VII**	**13 19 53 18.5–1.1**	**41.86N–.03**	**111.92W–.03**	**9–8**	**3.0s**	**176**	**0-121**
NEIC	VII	13 19 53 17.0–.00	41.90N	111.92W	2	3.7W,3.5L		¶601625041
IDC	VII	13 19 53 17.3–.68	41.81N	111.74W	0	3.6,3.4		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Preston, Idaho. Also felt at Franklin and Weston. Felt [III] at Richmond, Smithfield and Trenton and [II] at Logan and Lewiston, Utah. Also felt at Centerville, Clarkston, Cornish, Hyde Park, Mendon, Providence, Salt Lake City and Woods Cross. After SLC. Moment Tensor Solution. s78 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.56 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$3.69 $M_{r\theta}$-1.10 $M_{\theta\phi}$0.10 $M_{\phi r}$0.79 Best double couple: NP1:ϕ_s166.00000°,δ53.00000°,λ-110.00000°. NP2:ϕ_s17.00000°,δ41.00000°,λ-65.00000°. Principal axes: T 3.7800,Plg6.0000°,Azm270.0000°; N 0.1900,Plg16.0000°,Azm178.0000°; P -3.9600,Plg73.0000°,Azm20.0000° $M_0$3.90000×10^{14}
IDC Error ellipse: s-maj=15.2km s-min=7.4km az=153.0.

(159) North Island

ISC	**VII**	**13 19 53 40.2–.70**	**38.64S–.02**	**177.94E–.03**	**29–4**	**4.1b**	**231**	**0-146**
IDC	VII	13 19 53 35.0–1.9	38.89S	177.91E	0	4.1,3.9		¶601357555
NEIC	VII	13 19 53 41.8–.00	38.57S	177.84E	30	4.2L,4.1b		
WEL	VII	13 19 53 41.1	38.6S–.90	178E–1.0	32–1	4.7L,4.1b		

ISC Event type fe.
NEIC Event type fe. Felt at Gisborne. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(117) Southern Peru

ISC	**VII**	**13 21 26 14.8–.33**	**15.22S–.04**	**73.12W–.06**	**105–2**	**5.0b**	**903**	**4-172**
ISCJB	VII	13 21 26 12.9–.12	15.06S–.02	72.90W–.04	107	5.0b		¶601273203
NEIC	VII	13 21 26 13.2–.43	15.23S	73.17W	89–4	5.1b,4.8L		
MOS	VII	13 21 26 13.6–1.1	15.15S	73.42W	98	5.0b,4.8L		
GCMT	VII	13 21 26 13.2–.30	15.26S	73.26W	117–2	5.1W,4.8L		
IDC	VII	13 21 26 15.1–.44	15.13S	73.23W	106–3	4.9,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.3km az=155.5.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=2.9km az=70.0. Felt [III] at Coracora and [II] at Ayacucho, Caraveli and Pausa. Also felt at Santa Eulalia.
MOS Error ellipse: s-maj=14.7km s-min=6.0km az=113.5.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s55,c66; s86,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.87±.12 $M_{\theta\theta}$-0.30±.12; $M_{\phi\phi}$4.18±.16; $M_{r\theta}$1.40±.09; $M_{\theta\phi}$-1.59±.14; $M_{\phi r}$-1.79±.13; Best double couple: NP1:ϕ_s331.00000°,δ59.00000°,λ-103.00000°. NP2:ϕ_s175.00000°,δ33.00000°,λ-70.00000°. Principal axes: T 5.1930,Plg13.0000°,Azm71.0000°; N -0.6580,Plg11.0000°,Azm338.0000°; P -4.5310,Plg73.0000°,Azm210.0000° $M_0$4.86200×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=8.5km az=55.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**14 02 06 17.9–.96**	**36.93N–.05**	**141.06E–.07**	**94–6**	**3.5b**	**37**	**0-74**
NIED	VII	14 02 06 00	37.00N	141.00E	80	3.5W		¶603639920
ISCJB	VII	14 02 06 16.7–.64	36.93N–.04	141.10E–.07	97–3	3.5b		
JMA	VII	14 02 06 18.6–.10	36.97N	141.01E	91–1	3.8		
IDC	VII	14 02 06 19.8–2.8	36.76N	140.93E	116–29	3.6,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ41.00000°,λ-157.00000°. NP2:ϕ_s39.00000°,δ75.00000°,λ-51.00000°. $M_0$2.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.7km az=23.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=33.4km s-min=20.5km az=61.0.

(122) Near coast of northern Chile

ISC	**VII**	**14 02 43 25.7–2.0**	**27.43S–.04**	**71.29W–.06**	**7–12**	**3.9b**	**54**	**1-152**
SJA	VII	14 02 43 23.2–.39	27.35S	71.94W	33	4.0L,3.8W		¶601456899
IDC	VII	14 02 43 25.2–.88	27.48S	71.10W	0	4.0,3.9b		
NEIC	VII	14 02 43 29.0–.00	27.50S	70.85W	84	3.9L,3.5b		
GUC	VII	14 02 43 29.2–.42	27.50S	70.85W	84–9	3.9L,3.5b		

ISC Event type fe.
SJA Error ellipse: s-maj=7.2km s-min=11.9km az=-1.0.
IDC Error ellipse: s-maj=37.0km s-min=27.2km az=73.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=3.3km s-min=13.3km az=-1.0.

(227) Eastern Honshu

ISC	**VII**	**14 04 04 29.2–1.1**	**36.85N–.05**	**138.38E–.03**	**12–9**	**3.6b**	**26**	**0-73**
IDC	VII	14 04 04 27.4–1.1	36.92N	138.37E	0	3.8,3.7		¶605671892
ISCJB	VII	14 04 04 29.3–.43	36.81N–.03	138.33E–.04	25–5	3.5b,3.7		
JMA	VII	14 04 04 30.1	36.83N	138.37E	8–2	3.7,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.6km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.7km az=17.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s336.00000°,δ51.00000°,λ-69.00000°. NP2:ϕ_s124.00000°,δ44.00000°,λ-114.00000°. Principal axes: T Plg4.0000°,Azm51.0000°; N Plg17.0000°,Azm142.0000°; P Plg73.0000°,Azm308.0000°

(162) South Island

WEL	**VII**	**14 08 02 10.0**	**45S–4.0**	**168E–4.0**	**5**	**4.1L**		
NEIC	VII	14 08 02 09.6–.00	44.52S	167.95E	5	4.0L		¶601357556

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in Queenstown. After WEL.

(359) Bulgaria

ISC	**VII**	**14 12 52 07.4–.66**	**42.62N–.02**	**23.09E–.02**	**11–4**	**4.4b,3.7s**	**788**	**0-121**
ISCJB	VII	14 12 52 05.6–.33	42.628N–.01	23.10E–.01	4–2	4.3b,3.6s		¶601273332
MOS	VII	14 12 52 05.8–.96	42.65N	23.01E	10	4.4b,3.6s		
BJI	VII	14 12 52 05.8	42.70N	23.10E	8	4.9b,4.7b		
IDC	VII	14 12 52 05.7–.52	42.64N	22.99E	0	4.1,4.1b		
PRU	VII	14 12 52 06.7	42.62N	23.00E	0	4.6,4.1b		
PDG	VII	14 12 52 07.0–.65	42.62N	23.06E	10–1	4.0,4.0L		
BEO	VII	14 12 52 07.5–.20	42.65N	23.05E	0	4.1L,4.0L		
SKO	VII	14 12 52 07.0	42.63N	23.03E	5	4.4L,4.2		
CSEM	VII	14 12 52 07.1–.06	42.62N	23.08E	5	4.4b,4.2		
NEIC	VII	14 12 52 07.7–.87	42.67N	23.07E	10–6	4.6b,4.5L		
ATH	VII	14 12 52 10.3	42.41N	23.10E	34–9	4.3L,4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.5km az=150.1.
MOS Error ellipse: s-maj=5.6km s-min=3.2km az=78.2.
IDC Error ellipse: s-maj=9.9km s-min=8.5km az=29.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=91.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.9km az=85.0. Felt [III] at Sofia and Pernik. Also felt at Blagoevgrad, Dupnica, Elin Pelin, Kyustendil, Montana, Plovdiv and Samokov.
ATH Event type ke. Error ellipse: s-maj=10.8km s-min=1.2km az=343.0.

(377) Spain

ISC	**VII**	**14 13 44 42.8–1.1**	**40.33N–.02**	**3.80W–.01**	**8–9**		**212**	**0-5**
CSEM	VII	14 13 44 41.9–.09	40.33N	3.83W	2	2.9L		¶601273335
MDD	VII	14 13 44 43.9–.39	40.32N	3.80W	5–3	2.4		
SFS	VII	14 13 44 44.0	40.30N	3.82W	0	2.5L		
INMG	VII	14 13 44 44.1–1.6	40.33N	3.80W	4–3	2.5L		
LDG	VII	14 13 44 45.1–.13	40.27N	3.81W	11	2.7L		
CNRM	VII	14 13 44 47.9	35.60N	2.99W	30	3.6L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=152.0.
MDD Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=162.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=124.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=135.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**14 14 49 31.8–1.9**	**39.09N–.04**	**142.45E–.08**	**24–12**	**4.2s,4.0b**	**41**	**1-73**
NIED	VII	14 14 49 00	39.10N	142.40E	35	3.9W,4.0b		¶601664571
ISCJB	VII	14 14 49 32.0–.96	39.09N–.03	142.40E–.09	41–8	4.3s,3.9b		
JMA	VII	14 14 49 32.1–.10	39.13N	142.40E	34–1	4.1,3.9b		
IDC	VII	14 14 49 36.2–2.4	39.04N	142.36E	66–21	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ16.00000°,λ-100.00000°. NP2:ϕ_s185.00000°,δ74.00000°,λ-87.00000°. $M_0$7.90000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.4km az=11.8.
JMA Event type fe.
IDC Error ellipse: s-maj=19.2km s-min=14.0km az=87.0.

(238) Ryukyu Islands

ISC	**VII**	**14 17 22 46.3–.96**	**28.65N–.03**	**129.63E–.04**	**24–8**	**3.6b**	**41**	**0-62**
NIED	VII	14 17 22 00	28.60N	129.60E	23	3.9W		¶601664576
ISCJB	VII	14 17 22 46.8–.43	28.64N–.02	129.65E–.04	28–3	3.5b		
JMA	VII	14 17 22 47.2–.10	28.65N	129.59E	15–3	3.8		
IDC	VII	14 17 22 49.0–1.7	28.69N	129.76E	44–18	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s79.00000°,δ64.00000°,λ-177.00000°. NP2:ϕ_s348.00000°,δ88.00000°,λ-26.00000°. $M_0$7.73000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.4km az=19.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=11.4km az=112.0.

(294) Myanmar-India border region

ISC	**VII**	**14 19 55 18.2–.24**	**25.44N–.03**	**94.41E–.02**	**53–1**	**5.3b,4.6s**	**952**	**0-161**
BJI	VII	14 19 55 10.6	25.52N	94.44E	6	5.3b,5.2b		¶601273351
ISCJB	VII	14 19 55 16.6–.27	25.43N–.01	94.41E–.01	53–2	5.3b,4.5s		
MOS	VII	14 19 55 16.2–1.0	25.42N	94.44E	49	5.5b,4.5s		
IDC	VII	14 19 55 18.0–.29	25.40N	94.50E	50–2	4.9,4.7		
NEIC	VII	14 19 55 17.9–.10	25.42N	94.48E	52	5.5b,5.2W		
GCMT	VII	14 19 55 18.0–.20	25.40N	94.45E	41–1	5.3W,5.2W		
NDI	VII	14 19 55 19.3–2.8	25.55N	94.33E	54–14	5.5b,5.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=38.8.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=121.7.
IDC Error ellipse: s-maj=6.9km s-min=6.1km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=222.0. Felt [VI] at Phek, [IV] at Guwahati and [III] at Dibrugarh and Shillong, India. Also felt at Haflong, Jawai, Jorhat, Kohima, Manipur, and Margherita. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16} Nm; M_{rr}0.02 $M_{\theta\theta}$-5.31 $M_{\phi\phi}$5.29 $M_{r\theta}$-0.55 $M_{\theta\phi}$3.02 $M_{\phi r}$-2.84 Best double couple: NP1: ϕ_s148.00000°,δ76.00000°,λ163.00000°. NP2:ϕ_s242.00000°,δ73.00000°,λ14.00000°. Principal axes: T 7.2400,Plg22.0000°,Azm105.0000°; N -1.1200,Plg68.0000°,Azm290.0000°; P -6.1200,Plg2.0000°,Azm195.0000° $M_0$6.80000×10^{16}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s60,c90; s120,c197; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$0.58±.02; $M_{r\theta}$-0.05±.02; $M_{\theta\phi}$0.82±.02; $M_{\phi r}$-0.46±.02; Best double couple: NP1:ϕ_s159.00000°,δ80.00000°,λ158.00000°. NP2:ϕ_s253.00000°,δ69.00000°,λ11.00000°. Principal axes: T 1.1650,Plg23.0000°,Azm114.0000°; N -0.0460,Plg66.0000°,Azm315.0000°; P -1.1190,Plg7.0000°,Azm207.0000° $M_0$1.14200×10^{17}
NDI Error ellipse: s-maj=7.6km s-min=11.3km az=-1.0.

(249) Luzon

ISC	**VII**	**14 20 12 13.1–.39**	**14.91N–.03**	**119.73E–.04**	**41–3**	**4.8b,4.3s**	**458**	**1-172**
MAN	VII	14 20 12 06.9	14.93N	119.46E	1	5.7b,5.1s		¶601273352
BJI	VII	14 20 12 10.8	14.67N	119.73E	37	4.9b,4.5b		
MOS	VII	14 20 12 11.0–.98	14.93N	119.82E	39	5.0b,4.4s		
IDC	VII	14 20 12 13.6–1.5	14.89N	119.79E	46–15	4.5,4.3		
NEIC	VII	14 20 12 13.7–.43	14.91N	119.84E	50–4	4.8b,4.3		
GCMT	VII	14 20 12 13.7–.30	15.12N	119.56E	28–1	5.0W,4.3		
ISCJB	VII	14 20 12 13.1–.34	14.97N–.02	119.87E–.02	55–3	4.8b,4.2s		
DJA	VII	14 20 12 18.1–.50	15N–4.0	120E–3.0	72–5	5.1b,4.8b		

ISC Event type fe.
NEIC Event type fe. Felt at Olongapo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s26,c30; s75,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.24 $M_{\theta\theta}$0.37±.13; $M_{\phi\phi}$-3.01±.15; $M_{r\theta}$-0.07±.20; $M_{\theta\phi}$-0.13±.06; $M_{\phi r}$-2.96±.24; Best double couple: NP1:ϕ_s182.00000°,δ68.00000°,λ89.00000°. NP2:ϕ_s3.00000°,δ22.00000°,λ91.00000°. Principal axes: T 3.9150,Plg67.0000°,Azm90.0000°; N 0.3710,Plg1.0000°,Azm182.0000°; P -4.2800,Plg23.0000°,Azm272.0000° $M_0$4.09800×10^{16}
ISCJB Event type fe.

(136) Central Chile

ISC	**VII**	**14 22 34 39.1–1.2**	**36.09S–.02**	**71.01W–.04**	**8–7**	**4.8b,3.9s**	**169**	**1-176**
SJA	VII	14 22 34 35.7–.63	36.57S	71.13W	33	4.6L,4.5W		¶601273540
IDC	VII	14 22 34 38.0–.52	36.06S	70.81W	0	4.6,4.5		
ISCJB	VII	14 22 34 38.4–.24	36.13S–.03	70.93W–.04	10	4.7b,3.9s		
BJI	VII	14 22 34 39.8	36.04S	71.03W	21	5.0b,5.0s		
GUC	VII	14 22 34 40.3–.59	36.08S	71.05W	10–5	5.0L,5.0s		
NEIC	VII	14 22 34 40.0–.00	36.08S	71.05W	10	5.0L,4.8b		

ISC Event type fe.
SJA Error ellipse: s-maj=6.2km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=14.8km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=9.0.
GUC Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt [V] at Talca; [IV] at Constitucion; [III] at Linares, Longavi, Maule, Parral, Pelarco, San Clemente and Villa Alegre; [II] at Pencahue and Rio Claro. Also felt at Santiago. After GUC.

(123) Northern Chile

ISC	**VII**	**15 04 38 12.7–1.1**	**27.14S–.04**	**69.54W–.05**	**141–12**		**61**	**1-11**
ISCJB	VII	15 04 38 13.2–.42	27.12S–.02	69.60W–.06	141–8			¶601468489
GUC	VII	15 04 38 14.3–.71	27.19S	69.57W	127–5	4.1L		
SJA	VII	15 04 38 14.6–.97	27.12S	69.61W	33	3.9L,3.7W		
NEIC	VII	15 04 38 14.0–.00	27.19S	69.57W	127	4.1L,3.7W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.9km az=179.8.
GUC Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
SJA Error ellipse: s-maj=20.4km s-min=9.0km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.

(139) Mendoza Province

ISC	**VII**	**15 08 23 24.7–.41**	**33.49S–.04**	**67.62W–.04**	**198–3**	**4.6b**	**713**	**1-173**
MOS	VII	15 08 23 23.0–.99	33.47S	67.47W	192	4.5b		**¶601276580**
GUC	VII	15 08 23 23.7–.59	33.14S	67.78W	232–9	5.0L		
ISCJB	VII	15 08 23 23.9–.30	33.44S–.03	67.51W–.04	203–1	4.5b		
SJA	VII	15 08 23 24.0–.56	33.49S	67.61W	210–4	4.8W,4.4L		
IDC	VII	15 08 23 24.9–.45	33.40S	67.49W	199–3	4.5,4.1		
NEIC	VII	15 08 23 25.0–.16	33.48S	67.48W	200	4.8,4.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=15.8km s-min=7.1km az=105.9.
GUC Error ellipse: s-maj=9.8km s-min=5.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=6.8.
SJA Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=9.8km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.8km az=77.0. Felt at San Rafael.

(274) Southern Sumatera

ISC	**VII**	**15 09 18 15.9–.59**	**1.07S–.04**	**99.74E–.05**	**35**	**4.2b**	**48**	**1-144**
IDC	VII	15 09 18 09.6–2.0	1.05S	99.93E	0	3.9,3.8b		**¶601484384**
ISCJB	VII	15 09 18 13.8–.40	1.17S–.05	99.91E–.05	35	4.1b,3.1s		
NEIC	VII	15 09 18 14.8–.41	1.17S	99.88E	35	4.5b,3.1s		
DJA	VII	15 09 18 16.3–.20	1S–2.0	100E–2.0	10	5.6b,5.1		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Padang, Sumatra.

(159) North Island

WEL	**VII**	**15 09 31 05.6**	**39.7S–1.0**	**175.7E–.90**	**7–1**	**4.3L**		
NEIC	VII	15 09 31 06.3–.00	39.70S	175.68E	4	4.1L		**¶601357558**

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the Manawatu area. After WEL.

(377) Spain

ISC	**VII**	**15 11 05 54.5–1.0**	**40.17N–.02**	**3.61W–.01**	**6–9**		**270**	**0-6**
CSEM	VII	15 11 05 53.8–.08	40.17N	3.63W	2	2.8L		**¶601273564**
SFS	VII	15 11 05 55.0	40.16N	3.61W	0	2.6L		
MDD	VII	15 11 05 55.5–.26	40.17N	3.61W	0	2.5		
INMG	VII	15 11 05 55.6–1.5	40.17N	3.60W	5–2	2.5L		
LDG	VII	15 11 05 56.1–.08	40.14N	3.62W	3	2.6L		
CNRM	VII	15 11 05 59.3	35.88N	2.81W	20	3.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=145.0.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=163.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=118.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=127.0.

(162) South Island

WEL	**VII**	**15 12 34 35.4**	**41S–9.0**	**172E–6.0**	**12**	**4.0L**		
NEIC	VII	15 12 34 35.9–.00	41.49S	172.41E	5	3.9L		**¶601357559**

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Westport. After WEL.

(224) Hokkaido region

ISC	**VII**	**15 14 08 05.4–1.3**	**44.96N–.04**	**142.20E–.03**	**2–8**	**4.2b,4.2s**	**101**	**0-148**
NIED	VII	15 14 08 00	44.90N	142.30E	5	4.1W,4.2s		**¶601273571**
IDC	VII	15 14 08 04.7–.62	44.92N	142.07E	0	4.0,3.8b		
BJI	VII	15 14 08 04.8	44.99N	142.59E	35	4.9b,4.5b		
ISCJB	VII	15 14 08 05.4–.85	44.88N–.03	142.10E–.03	12–5	4.2b,3.9s		
JMA	VII	15 14 08 06.3	44.83N	142.16E	0	4.2,3.9s		
SKHL	VII	15 14 08 08.6–.50	44.81N	142.09E	42–2	4.6b,3.9s		
NEIC	VII	15 14 08 08.5–2.5	44.83N	142.10E	29–19	4.5b,3.9s		
MOS	VII	15 14 08 08.1–.92	44.86N	142.13E	42	4.4b,3.9s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s18.00000°,δ66.00000°,λ88.00000°. $M_0$1.66000×10^{15}
IDC Error ellipse: s-maj=17.2km s-min=9.0km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=10.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=8.9km az=96.0. Recorded [1 JMA] in northern Hokkaido.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=119.5.

(221) Kuril Islands

ISC	**VII**	**15 14 34 46.1–.27**	**43.25N–.03**	**146.47E–.03**	**64–1**	**5.2b**	**1799**	**1-154**
NIED	VII	15 14 34 00	43.20N	146.30E	62	4.9W		**¶605671894**
BJI	VII	15 14 34 43.7	43.24N	146.52E	61	4.9b,4.9b		
IDC	VII	15 14 34 44.8–1.6	43.24N	146.45E	49–14	5.2,5.0		
ISCJB	VII	15 14 34 45.1–.26	43.15N–.02	146.47E–.02	67–2	5.1b,5.0		
MOS	VII	15 14 34 46.0–.77	43.25N	146.42E	73	5.5b,4.0s		
SKHL	VII	15 14 34 46.3–.70	43.18N	146.46E	74–4	6.1b,4.0s		
GCMT	VII	15 14 34 46.4–.30	43.23N	146.49E	69–3	5.0W,4.0s		
NEIC	VII	15 14 34 46.4–.09	43.24N	146.41E	64	5.2b,4.0s		
JMA	VII	15 14 34 46.7–.10	43.16N	146.41E	62–1	5.0,4.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ36.00000°,λ30.00000°. NP2:ϕ_s63.00000°,δ72.00000°,λ123.00000°. $M_0$2.60000×10^{16}
IDC Error ellipse: s-maj=10.9km s-min=9.4km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=162.5.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=108.0. Felt (IV) at Malokuril'skoye; (III-IV) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (IV) at Malokurilskoe; felt (III) at Yushno-Kurilsk.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s33,c37; s93,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.21±.15 $M_{\theta\theta}$0.41±.12; $M_{\phi\phi}$-1.62±.11; $M_{r\theta}$2.29±.08; $M_{\theta\phi}$-1.82±.10; $M_{\phi r}$0.49±.07; Best double couple: NP1:ϕ_s67.00000°,δ76.00000°,λ128.00000°. NP2:ϕ_s174.00000°,δ40.00000°,λ22.00000°. Principal axes: T 3.2830,Plg45.0000°,Azm15.0000°; N 0.0450,Plg37.0000°,Azm236.0000° ; P -3.3270,Plg22.0000°,Azm129.0000° $M_0$3.30500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=160.0. Recorded [3 JMA] in eastern Hokkaido. Recorded [1 JMA] in Aomori and Iwate, Honshu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(227) Eastern Honshu

ISC	**VII**	**15 19 31 30.4–.37**	**36.09N–.03**	**139.84E–.03**	**60–3**	**4.7b**	**524**	**0-153**
NIED	VII	15 19 31 00	36.20N	139.80E	62	4.8W		**¶605671901**
BJI	VII	15 19 31 24.6	35.94N	140.27E	62	4.9b,4.8b		
MOS	VII	15 19 31 29.9–.97	36.13N	139.62E	63	5.1b,4.8b		
ISCJB	VII	15 19 31 30.2–.28	36.10N–.02	139.71E–.03	65–2	4.6b,4.8b		
IDC	VII	15 19 31 31.7–.87	36.09N	139.74E	68–7	4.8,4.6		
JMA	VII	15 19 31 31.2–.10	36.15N	139.82E	52–1	4.8,4.6		
NEIC	VII	15 19 31 33.0–.50	36.08N	139.58E	78–4	4.6b,4.6		
GCMT	VII	15 19 31 33.0–.30	36.04N	139.84E	68–2	4.9W,4.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ39.00000°,λ148.00000°. NP2:ϕ_s20.00000°,δ71.00000°,λ56.00000°. $M_0$1.66000×10^{16}
MOS Error ellipse: s-maj=8.8km s-min=4.4km az=118.6.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.3km az=25.7.
IDC Error ellipse: s-maj=9.4km s-min=5.7km az=75.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ62.00000°,λ62.00000°. NP2:ϕ_s255.00000°,δ38.00000°,λ131.00000°. Principal axes: T Plg62.0000°,Azm252.0000°; N Plg24.0000°,Azm40.0000°; P Plg13.0000° ,Azm136.0000°
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=107.0. Felt [IV] at Maebashi and [III] at Kawaguchi, Tokyo and Tsukuba. Felt throughout east-central Honshu. Recorded [4 JMA] in Gumma, Saitama and Tochigi.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s23,c28; s67,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.18±.15 $M_{\theta\theta}$-0.48±.14; $M_{\phi\phi}$-0.69±.13; $M_{r\theta}$-0.03±.09; $M_{\theta\phi}$-2.22±.11; $M_{\phi r}$1.15±.06; Best double couple: NP1:ϕ_s7.00000°,δ72.00000° ,λ38.00000°. NP2:ϕ_s263.00000°,δ54.00000°,λ158.00000°. Principal axes: T 2.3030,Plg39.0000°,Azm231.0000°; N 0.6710,Plg49.0000°,Azm28.0000° ; P -2.9780,Plg11.0000°,Azm132.0000° $M_0$2.64000×10^{16}

(116) Central Peru

ISC	**VII**	**15 20 05 06.9–.45**	**13.55S–.05**	**73.71W–.05**	**86–3**	**5.0b**	**716**	**3-171**
MOS	VII	15 20 05 02.9–1.4	13.49S	73.75W	63	5.2b		**¶601276374**
ISCJB	VII	15 20 05 05.4–.69	13.41S–.03	73.72W–.03	88–6	4.9b		
BJI	VII	15 20 05 05.1	13.70S	73.80W	70	5.1s,5.0b		
GCMT	VII	15 20 05 06.0–.40	13.73S	73.60W	89–3	4.8W,5.0b		
NEIC	VII	15 20 05 06.0–.62	13.58S	73.80W	79–5	5.0b,4.7L		
IDC	VII	15 20 05 07.2–.52	13.61S	73.83W	91–4	4.7,4.5		

ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=6.8km az=111.7.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.7km az=137.1.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s34,c40; s65,c80; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.78±.12 $M_{\theta\theta}$1.94±.14; $M_{\phi\phi}$-0.15±.15; $M_{r\theta}$-1.13±.07; $M_{\theta\phi}$0.27±.15; $M_{\phi r}$0.49±.10; Best double couple: NP1:ϕ_s99.00000°,δ62.00000° ,λ-73.00000°. NP2:ϕ_s246.00000°,δ33.00000°,λ-119.00000°. Principal axes: T 2.2630,Plg15.0000°,Azm177.0000°; N -0.0150,Plg15.0000°,Azm271.0000° ; P -2.2390,Plg68.0000°,Azm43.0000° $M_0$2.25100×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.0km az=60.0. Felt [II] at Andahuaylas, Ayacucho and Huanco Sancos.
IDC Error ellipse: s-maj=15.5km s-min=9.3km az=57.0.

(224) Hokkaido region

ISC	**VII**	**15 21 49 46.3–1.2**	**44.91N–.03**	**142.11E–.03**	**11–7**	**4.0b,3.4s**	**107**	**0-90**
NIED	VII	15 21 49 00	44.90N	142.20E	5	4.1W,3.4s		**¶601276375**
IDC	VII	15 21 49 44.5–.53	44.92N	142.02E	0	4.1,4.0		
JMA	VII	15 21 49 46.6	44.84N	142.15E	0	4.3,4.0		
ISCJB	VII	15 21 49 47.1–.47	44.89N–.03	142.08E–.03	25–3	4.1b,3.4s		
SKHL	VII	15 21 49 47.4–.30	44.76N	141.86E	44–10	4.6b,3.4s		
MOS	VII	15 21 49 48.2–1.0	44.89N	142.11E	38	4.3b,3.4s		
NEIC	VII	15 21 49 50.6–.72	44.92N	142.09E	42–7	4.5b,3.4s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ52.00000°,λ46.00000°. NP2:ϕ_s26.00000°,δ55.00000°,λ131.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=16.3km s-min=8.4km az=62.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s359.00000°,δ75.00000°,λ90.00000°. NP2: ϕ_s179.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm269.0000° ; N Plg0.0000°,Azm179.0000°; P Plg30.0000°,Azm89.0000°
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=14.2.
MOS Error ellipse: s-maj=9.1km s-min=7.2km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=6.3km az=116.0. Recorded [4 JMA] in northern Hokkaido.

(116) Central Peru

ISC	**VII**	**16 03 33 43.3–.45**	**13.30S–.06**	**72.54W–.06**	**35**	**4.1b**	**65**	**4-159**
ISCJB	VII	16 03 33 40.7–.35	13.41S–.04	72.55W–.04	33	4.6s,4.1b		**¶601276381**
BJI	VII	16 03 33 42.9	14.06S	72.43W	50	4.9s,4.6		
NEIC	VII	16 03 33 43.8–.70	13.41S	72.59W	45–7	4.6L,4.4b		
IDC	VII	16 03 33 43.3–2.3	13.33S	72.54W	38–20	4.1,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=44.1.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.0km az=59.0. Felt [II] at Abancay.
IDC Error ellipse: s-maj=19.0km s-min=12.9km az=62.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**16 06 02 03.0–1.6**	**38.96N–.03**	**142.42E–.06**	**13–9**	**3.9b**	**35**	**1-88**
NIED	VII	16 06 02 00	39.00N	142.50E	32	3.6W		**¶601664659**
JMA	VII	16 06 02 04.7–.10	39.02N	142.41E	32–2	3.8		
IDC	VII	16 06 02 07.4–2.4	38.91N	142.39E	44–23	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ35.00000°,λ175.00000°. NP2:ϕ_s359.00000°,δ87.00000°,λ56.00000°. $M_0$2.93000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=17.3km az=96.0.

(197) Near north coast of Irian Jaya

ISC	**VII**	**16 16 33 11.5–.44**	**1.27S–.03**	**137.14E–.03**	**20–2**	**5.5b,5.3s**	**808**	**1-158**
BJI	VII	16 16 33 07.1	1.51S	137.31E	18	5.6b,5.4s		**¶601351283**
IDC	VII	16 16 33 08.5–.36	1.29S	137.09E	0	5.1b,5.1		
ISCJB	VII	16 16 33 09.8–.65	1.25S–.02	137.09E–.02	19–4	5.3b,5.3s		
NEIC	VII	16 16 33 09.0–.00	1.31S	137.05E	25	5.3b,5.3s		
GCMT	VII	16 16 33 10.1–.10	1.28S	137.02E	13–0	5.7W,5.3s		
NEIC	VII	16 16 33 10.1–.65	1.30S	137.05E	13–4	5.6W,5.6W		
MOS	VII	16 16 33 11.2–.84	1.34S	136.92E	31	5.7b,5.1s		
DJA	VII	16 16 33 11.6–.60	1S–3.0	137E–2.0	16–4	6.0,5.9b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$0.78 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.36 $M_{\theta\phi}$2.31 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s189.00000° ,δ74.00000°,λ-133.00000°. NP2:ϕ_s83.00000°,δ46.00000°,λ-23.00000°. Principal axes: T 3.3700,Plg17.0000°,Azm309.0000°; N 0.0800,Plg41.0000°,Azm204.0000° ; P -3.4400,Plg43.0000°,Azm57.0000° $M_0$3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s119,c229; s134,c382;Duration: 1s8 Moment tensor: Scale 10^{17} Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$0.66±.03; $M_{\phi\phi}$-0.13±.03; $M_{r\theta}$0.52±.07; $M_{\theta\phi}$3.34±.03; $M_{\phi r}$3.44±.18; Best double couple: NP1:ϕ_s187.00000°,δ86.00000°,λ-133.00000°. NP2:ϕ_s93.00000° ,δ43.00000°,λ-5.00000°. Principal axes: T 5.0600,Plg28.0000°,Azm310.0000° ; N -0.4290,Plg43.0000°,Azm190.0000°; P -4.6320,Plg34.0000°,Azm61.0000° $M_0$4.84600×10^{17}
NEIC Event type fe. Felt [II] at Serui. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.29 $M_{\theta\phi}$2.71 $M_{\phi r}$1.66 Best double couple: NP1:ϕ_s95.00000° ,δ57.00000°,λ12.00000°. NP2:ϕ_s359.00000°,δ81.00000°,λ147.00000°. Principal axes: T 3.1600,Plg30.0000°,Azm312.0000°; N 0.1700,Plg56.0000°,Azm165.0000° ; P -3.3300,Plg16.0000°,Azm51.0000° $M_0$3.30000×10^{17}

(115) Near coast of Peru

ISC	**VII**	**16 18 30 44.3–1.1**	**14.6S–.10**	**76.0W–.10**	**29**		**14**	**3-143**
IDC	VII	16 18 30 40.0–1.4	14.57S	76.08W	0	3.8,3.8		**¶601664688**
NEIC	VII	16 18 30 41.4–.54	14.56S	76.06W	10	4.3L,3.8		
ISCJB	VII	16 18 30 42.7–1.1	14.52S–.10	75.9W–.10	29	3.9b,3.8		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Chincha Alta and Ica.
ISCJB Event type fe.

(70) Guatemala

ISC	**VII**	**16 21 03 00.7–.83**	**14.21N–.05**	**90.19W–.05**	**30–5**	**4.7b,3.9s**	**475**	**1-146**
IDC	VII	16 21 02 55.6–.69	14.25N	90.33W	0	4.6,4.4		**¶601351861**
ISCJB	VII	16 21 02 58.4–.27	14.03N–.03	90.42W–.03	33	4.7b,3.9s		
UCR	VII	16 21 02 58.4–1.5	14.35N	90.13W	1–17	4.7b,4.0L		
NEIC	VII	16 21 03 01.2–.66	14.15N	90.36W	37–6	4.7b,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=11.6km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.0km az=40.9.
UCR Error ellipse: s-maj=7.1km s-min=15.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.3km az=48.0. Felt [III] at Guatemala, Mixco, Pueblo Nuevo Vinas and Santa Catarina Pinula. Also felt at Cahabon, Fraijanes, Lanquin, Pachalum, Petapa, San Bartolome Milpas Altas, Villa Canales and Villa Nueva. Felt [I] at Ahuachapan, El Salvador.

(123) Northern Chile

ISC	**VII**	**16 21 18 10.4–.32**	**23.28S–.04**	**68.89W–.05**	**100–2**	**4.6b**	**436**	**1-169**
MOS	VII	16 21 18 07.0–.97	23.19S	68.78W	78	5.0b		**¶601351863**
ISCJB	VII	16 21 18 08.1–.35	23.11S–.03	68.66W–.05	96–2	4.6b		
IDC	VII	16 21 18 10.9–.36	23.17S	68.68W	104–3	4.7,4.5		
GCMT	VII	16 21 18 10.0–.40	23.15S	69.01W	120–5	4.9W,4.5		
GUC	VII	16 21 18 10.5–.47	23.23S	69.07W	103–3	4.9L,4.5		
NEIC	VII	16 21 18 10.0–.00	23.23S	69.07W	103	4.9L,4.6b		
BJI	VII	16 21 18 14.0	23.20S	69.10W	103	5.1b,4.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=14.6km s-min=7.3km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.5km az=154.0.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=70.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c18; s66,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.10 $M_{\theta\theta}$0.23±.11; $M_{\phi\phi}$1.77±.14; $M_{r\theta}$0.33±.08; $M_{\theta\phi}$-1.41±.09; $M_{\phi r}$-0.77±.12; Best double couple: NP1:ϕ_s333.00000°,δ55.00000° ,λ-85.00000°. NP2:ϕ_s145.00000°,δ35.00000°,λ-97.00000°. Principal axes: T 2.7520,Plg10.0000°,Azm60.0000°; N -0.5980,Plg4.0000°,Azm150.0000°

; P -2.1530,Plg79.0000°,Azm262.0000° $M_0$2.45200×10^{16}
GUC Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [III] at Calama and [II] at Antofagasta. After GUC.

(70) Guatemala

ISC	**VII**	**16 23 03 01.7–1.1**	**14.2N–.20**	**90.01W–.09**	**35**	**3.8b**	**22**	**3-138**
IDC	VII	16 23 02 57.1–1.2	14.32N	90.20W	0	4.1,3.9		**¶601465752**
MEX	VII	16 23 02 59.5–.53	14.09N	89.86W	85–58	4.2,3.9		
ISCJB	VII	16 23 03 01.3–.69	14.4N–.10	89.99W–.07	35	3.8b,3.3s		
NEIC	VII	16 23 03 02.7–1.3	14.33N	90.26W	38–13	4.2b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=35.7km s-min=16.6km az=38.0.
MEX Error ellipse: s-maj=18.8km s-min=15.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=18.2km s-min=6.0km az=25.8.
NEIC Event type fe. Error ellipse: s-maj=20.7km s-min=9.4km az=223.0. Felt at Santa Catarina Pinula. Felt [I] at Ahuachapan, El Salvador.

(159) North Island

ISC	**VII**	**17 01 35 15.7–.64**	**37.90S–.05**	**176.05E–.05**	**303–5**	**4.0b**	**328**	**0-155**
ISCJB	VII	17 01 35 14.9–.33	37.88S–.03	176.10E–.05	305–2	3.9b		**¶601357564**
NEIC	VII	17 01 35 14.4–.35	37.81S	176.17E	311–3	4.6b		
IDC	VII	17 01 35 14.6–.96	37.49S	176.37E	300–8	4.3,3.7		
WEL	VII	17 01 35 15.7	38S–3.0	176E–3.0	300–6	4.3,3.7		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Palmerston North and Silverstream.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(123) Northern Chile

ISC	**VII**	**17 02 35 34.4–.32**	**20.26S–.03**	**69.09W–.05**	**105–2**	**4.6b**	**555**	**0-166**
ISCJB	VII	17 02 35 32.3–.27	20.15S–.02	68.96W–.04	103–2	4.5b		**¶601352366**
GUC	VII	17 02 35 34.8–.63	20.24S	69.17W	96–3	4.7L		
IDC	VII	17 02 35 34.9–.45	20.16S	68.99W	105–3	4.4,4.1		
NEIC	VII	17 02 35 35.0–.00	20.24S	69.14W	94	4.7L,4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=170.6.
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=10.6km az=69.0.
NEIC Event type fe. Felt [V] at Alto Hospicio and Iquique; [IV] at Pica; [III] at Cuya; [II] at La Tirana and Pisagua. Also felt at Arica. After GUC.

(228) Near east coast of eastern Honshu

JMA	**VII**	**17 05 38 22.0**	**39.15N**	**142.44E**	**45–1**	**3.5**		
								¶603641694

JMA Event type fe.

(249) Luzon

ISC	**VII**	**17 07 43 32.6–1.7**	**18.23N–.04**	**120.81E–.05**	**6–12**	**4.3b,3.2s**	**42**	**1-77**
IDC	VII	17 07 43 30.2–.90	18.08N	121.02E	0	3.9,3.8		**¶601643159**
MAN	VII	17 07 43 31.1	18.36N	120.73E	0	5.0b,4.0L		
ISCJB	VII	17 07 43 33.1–1.1	18.33N–.04	120.74E–.06	15–10	4.1b,3.1s		
NEIC	VII	17 07 43 35.4–3.5	18.21N	121.16E	26–25	4.5b,3.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=28.5km s-min=18.2km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.5km az=16.2.
NEIC Event type fe. Error ellipse: s-maj=18.5km s-min=11.7km az=81.0. Felt [IV PIVS] at Bangui, Laoag, San Nicolas and Sarrat and [III PIVS] at Batac and Paoay.

(228) Near east coast of eastern Honshu

ISC	**VII**	**17 08 32 56.2–1.2**	**38.36N–.04**	**142.24E–.08**	**24**	**3.6b**	**25**	**1-63**
NIED	VII	17 08 32 00	38.40N	142.20E	29	3.5W		**¶601664714**
IDC	VII	17 08 32 51.2–1.5	38.38N	142.73E	0	3.8,3.7		
ISCJB	VII	17 08 32 53.8–.77	38.34N–.04	142.40E–.07	24	4.1s,3.7b		
JMA	VII	17 08 32 57.0–.10	38.40N	142.24E	39–1	3.8,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ45.00000°,λ-95.00000°. NP2:ϕ_s347.00000°,δ46.00000°,λ-85.00000°. $M_0$1.92000×10^{14}
IDC Error ellipse: s-maj=36.8km s-min=19.5km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.3km az=10.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(73) El Salvador

ISC	**VII**	**17 16 01 41.5–.60**	**13.49N–.07**	**90.04W–.05**	**58**	**4.2b,3.2s**	**88**	**0-147**
ISCJB	VII	17 16 01 40.1–.45	13.42N–.05	90.11W–.03	58	4.2b,3.2s		**¶601643160**
UCR	VII	17 16 01 41.5–1.1	13.48N	90.07W	57–10	4.5b,4.2L		
IDC	VII	17 16 01 42.0–2.0	13.48N	89.99W	59–19	4.0,4.0		
NEIC	VII	17 16 01 43.4–.64	13.53N	89.88W	78–6	4.5b,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.2km az=25.2.
UCR Error ellipse: s-maj=8.7km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=60.2km s-min=10.7km az=39.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=216.0. Felt [II] at San Salvador.

(98) Trinidad

TRN	**VII**	**17 18 35 23.2**	**10.83N**	**61.05W**	**60**	**3.7**		
								¶603306308

TRN Event type fe. Felt Trinidad, MMI II.

(224) Hokkaido region

ISC	**VII**	**17 19 39 37.4–.68**	**44.85N–.07**	**142.21E–.06**	**35**	**3.6b**	**23**	**0-85**
NIED	VII	17 19 39 00	44.80N	142.10E	5	4.0W		**¶605671903**
IDC	VII	17 19 39 33.2–.66	44.89N	142.01E	0	3.8,3.7b		
ISCJB	VII	17 19 39 35.4–.45	44.83N–.05	142.18E–.06	33	3.6b,3.5s		
JMA	VII	17 19 39 35.2	44.83N	142.15E	0	4.1,3.5s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ19.00000°,λ72.00000°. NP2:ϕ_s187.00000°,δ72.00000°,λ96.00000°. $M_0$9.94000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=8.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=6.6km az=175.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ60.00000°,λ82.00000°. NP2:ϕ_s8.00000°,δ31.00000°,λ103.00000°. Principal axes: T Plg74.0000°,Azm61.0000°; N Plg7.0000°,Azm176.0000°; P Plg14.0000°,Azm268.0000°

(224) Hokkaido region

ISC	**VII**	**17 19 50 21.9–.52**	**44.82N–.04**	**142.04E–.06**	**35**	**4.0b**	**55**	**0-85**
NIED	VII	17 19 50 00	44.90N	142.30E	5	3.9W		**¶601664741**
IDC	VII	17 19 50 17.0–.58	44.95N	142.11E	0	4.0,3.8		
ISCJB	VII	17 19 50 20.0–.30	44.81N–.03	142.05E–.06	33	3.9b,3.1s		
JMA	VII	17 19 50 19.0	44.84N	142.15E	0	4.1,3.1s		
NEIC	VII	17 19 50 22.0–.33	44.85N	142.03E	35	4.3b,3.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ23.00000°,λ100.00000°. NP2:ϕ_s182.00000°,δ67.00000°,λ86.00000°. $M_0$8.73000×10^{14}
IDC Error ellipse: s-maj=16.0km s-min=8.7km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.5km az=176.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s172.00000°,δ61.00000°,λ78.00000°. NP2: ϕ_s17.00000°,δ31.00000°,λ111.00000°. Principal axes: T Plg71.0000°,Azm54.0000°; N Plg11.0000°,Azm178.0000°; P Plg15.0000°,Azm271.0000°
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.6km az=124.0. Recorded [3 JMA] in northern Hokkaido.

(135) Near coast of central Chile

ISC	**VII**	**17 22 03 25.6–.94**	**31.33S–.02**	**71.36W–.05**	**33–3**	**4.0b**	**69**	**1-174**
NEIC	VII	17 22 03 26.0–.00	31.30S	71.21W	52	4.1L,4.0b		**¶601643162**
GUC	VII	17 22 03 26.9–.83	31.30S	71.21W	52–10	4.1L,4.0b		
SJA	VII	17 22 03 27.9–.72	31.29S	71.36W	40–999	4.8W,4.2L		
IDC	VII	17 22 03 29.5–3.5	31.34S	70.96W	62–30	3.9,3.8L		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Salamanca; [III] at Punitaqui and Rio Hurtado; [II] at Combarbala, Illapel, Monte Patria and Ovalle. Also felt at Santiago. After GUC.
GUC Error ellipse: s-maj=1.7km s-min=14.8km az=-1.0.
SJA Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=41.6km s-min=27.5km az=100.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**18 01 37 01.1–.84**	**34.84N–.05**	**140.24E–.05**	**67–7**	**3.8b**	**36**	**0-75**
ISCJB	VII	18 01 37 00.3–.48	34.84N–.04	140.25E–.05	74–3	3.7b		**¶601664772**
JMA	VII	18 01 37 00.5–.10	34.87N	140.22E	73–2	3.5		
NIED	VII	18 01 37 00	34.80N	140.30E	53	3.6W		
IDC	VII	18 01 37 00.3–3.2	34.88N	140.44E	63–22	3.9,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=145.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s56.00000°,δ76.00000°,λ-153.00000°. NP2: ϕ_s319.00000°,δ64.00000°,λ-16.00000°. Principal axes: T Plg8.0000°,Azm186.0000°; N Plg60.0000°,Azm82.0000°; P Plg29.0000°,Azm280.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ50.00000°,λ20.00000°. NP2:ϕ_s224.00000°,δ75.00000°,λ138.00000°. $M_0$3.03000×10^{14}
IDC Error ellipse: s-maj=42.7km s-min=6.1km az=74.0.

(377) Spain

CSEM	**VII**	**18 03 43 36.8–.15**	**42.82N**	**7.23W**	**10**	**3.0L**		
INMG	VII	18 03 43 38.5–2.0	42.86N	7.22W	19–4	2.9L		**¶603014555**
IGIL	VII	18 03 43 38.4	42.86N	7.26W	11	2.9L		
LDG	VII	18 03 43 38.3–.12	42.86N	7.26W	11	3.0L		

CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=124.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=109.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=121.0.

(112) Peru-Brazil border region

ISC	**VII**	**18 04 06 54.7–.38**	**8.10S–.05**	**74.37W–.06**	**153–3**	**4.6b**	**543**	**4-168**
ISCJB	VII	18 04 06 53.4–.20	7.87S–.03	74.15W–.04	153	4.5b		**¶601404415**
NEIC	VII	18 04 06 54.0–.00	8.04S	74.62W	163	4.6L,4.5b		
IDC	VII	18 04 06 55.4–.45	8.06S	74.32W	158–4	4.5,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.7km az=144.7.
NEIC Event type fe. Felt [II] at Pucallpa. After ARE.
IDC Error ellipse: s-maj=12.9km s-min=8.7km az=66.0.

(248) Philippine Islands region

ISC	**VII**	**18 06 36 51.4–.55**	**11.30N–.02**	**126.17E–.03**	**33–2**	**5.1b,4.7s**	**556**	**1-172**
BJI	VII	18 06 36 47.0	11.18N	126.16E	18	5.2b,5.2s		**¶601404423**
NEIC	VII	18 06 36 48.2–.11	11.28N	126.07E	10	5.3W,5.2b		
GCMT	VII	18 06 36 48.2–.20	11.36N	126.24E	15	5.3W,5.2b		
MAN	VII	18 06 36 49.2	11.42N	126.28E	25	5.4b,4.7s		
ISCJB	VII	18 06 36 51.4–.43	11.31N–.02	126.11E–.03	45–3	5.0b,4.7s		
MOS	VII	18 06 36 53.2–.95	11.32N	125.97E	59	5.3b,4.6s		
IDC	VII	18 06 36 54.2–1.3	11.35N	126.10E	55–11	4.8,4.6		
DJA	VII	18 06 36 57.0–.90	12N–6.0	126E–4.0	105–7	6.4,5.5b		
KLM	VII	18 06 37 15.0	11.16N	126.30E	283	5.3b,5.5b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=82.0. Felt [III PIVS] at Tacloban and Tolosa and [II PIVS] at Hinunangan, Leyte. Also felt [III PIVS] at Balangiga and Guiuan, Samar. Felt at Surigao, Mindanao. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17} Nm; M_{rr}1.00 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.83 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.05 $M_{\phi r}$0.48 Best double couple: NP1: ϕ_s183.00000°,δ31.00000°,λ105.00000°. NP2:ϕ_s345.00000°,δ60.00000°,λ81.00000°. Principal axes: T 1.1600,Plg73.0000°,Azm233.0000°; N -0.2000,Plg8.0000°,Azm350.0000°; P -0.9600,Plg15.0000°,Azm82.0000° $M_0$1.10000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s70,c91; s114,c178; Duration: 1s_0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.67±.01; $M_{r\theta}$-0.04±.05; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$1.05±.04; Best double couple: NP1:ϕ_s356.00000°,δ74.00000°,λ96.00000°. NP2:ϕ_s156.00000°,δ17.00000°,λ71.00000°. Principal axes: T 1.2220,Plg61.0000°,Azm275.0000°; N 0.0550,Plg6.0000°,Azm175.0000°; P -1.2760,Plg29.0000°,Azm82.0000° $M_0$1.24900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=168.0.
MOS Error ellipse: s-maj=9.0km s-min=4.6km az=112.6.
IDC Error ellipse: s-maj=12.9km s-min=7.8km az=81.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**18 11 14 39.5–1.5**	**37.10N–.04**	**141.61E–.06**	**28–11**	**3.7b**	**37**	**1-90**
NIED	VII	18 11 14 00	37.20N	141.40E	53	3.9W		**¶601664782**
IDC	VII	18 11 14 35.4–.76	37.18N	141.67E	0	3.9,3.8		
ISCJB	VII	18 11 14 39.5–.87	37.11N–.04	141.59E–.07	42–8	3.7b,3.8		
JMA	VII	18 11 14 42.4–.10	37.19N	141.38E	48–1	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ20.00000°,λ116.00000°. NP2:ϕ_s11.00000°,δ72.00000°,λ81.00000°. $M_0$8.95000×10^{14}
IDC Error ellipse: s-maj=18.6km s-min=15.6km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.1km az=10.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(227) Eastern Honshu

ISC	**VII**	**18 17 07 33.9–1.0**	**36.06N–.06**	**139.90E–.06**	**50–10**	**3.2b**	**17**	**0-56**
IDC	VII	18 17 07 25.6–2.4	36.34N	140.39E	0	3.4,3.4		**¶601664796**
ISCJB	VII	18 17 07 32.8–.70	36.04N–.06	139.92E–.07	57–6	3.2b,3.4		
JMA	VII	18 17 07 34.5–.10	36.09N	139.88E	46–1	3.0,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=23.4km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=7.5km az=43.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(122) Near coast of northern Chile

ISC	**VII**	**18 18 24 10.7–.81**	**20.76S–.03**	**70.54W–.05**	**26–5**	**5.1b,4.5s**	**840**	**1-178**
ISCJB	VII	18 18 24 07.3–.92	20.51S–.03	70.38W–.04	15–6	5.0b,4.5s		**¶601404618**
GCMT	VII	18 18 24 08.7–.20	20.79S	70.90W	29–0	5.2W,4.5s		
NEIC	VII	18 18 24 08.7–1.4	20.69S	70.37W	11–9	5.1W,5.1b		
GUC	VII	18 18 24 10.6–.69	20.80S	70.56W	28–16	5.2L,5.1b		
MOS	VII	18 18 24 11.9–1.1	20.37S	70.34W	33	5.2b,4.5s		
IDC	VII	18 18 24 12.1–2.6	20.68S	70.34W	34–18	4.8,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.8km az=155.9.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s65,c88; s77,c116; Duration: 1s_0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.62±.02; $M_{r\theta}$0.11±.02; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$-0.62±.03; Best double couple: NP1:ϕ_s171.00000°,δ68.00000°,λ88.00000°. NP2:ϕ_s358.00000°,δ22.00000°,λ96.00000°. Principal axes: T 0.8590,Plg67.0000°,Azm77.0000°; N 0.0370,Plg2.0000°,Azm172.0000°; P -0.8950,Plg23.0000°,Azm263.0000° $M_0$0.87700×10^{17}
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.1km az=73.0. Felt [IV] at Iquique. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}1.75 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-2.15 $M_{r\theta}$0.46 $M_{\theta\phi}$0.00 $M_{\phi r}$-4.45 Best double couple: NP1:ϕ_s8.00000°,δ12.00000°,λ104.00000°. NP2: ϕ_s174.00000°,δ78.00000°,λ87.00000°. Principal axes: T 4.6900,Plg57.0000°,Azm81.0000°; N 0.3800,Plg3.0000°,Azm175.0000°; P -5.0800,Plg33.0000°,Azm267.0000° $M_0$4.90000×10^{16}
GUC Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
MOS Error ellipse: s-maj=13.8km s-min=7.3km az=110.5.
IDC Error ellipse: s-maj=17.1km s-min=11.3km az=70.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**18 20 38 22.1–1.6**	**36.96N–.04**	**141.31E–.05**	**14–9**	**4.0b,3.0s**	**43**	**0-147**
NIED	VII	18 20 38 00	37.00N	141.40E	5	3.9W,3.0s		**¶601664804**
ISCJB	VII	18 20 38 20.5–.99	36.94N–.04	141.43E–.06	19–6	3.9b,3.0s		
JMA	VII	18 20 38 21.5–.10	36.95N	141.35E	27–1	4.2,3.0s		
IDC	VII	18 20 38 27.9–2.3	36.91N	140.96E	57–21	4.0,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ39.00000°,λ-88.00000°. NP2:ϕ_s203.00000°,δ51.00000°,λ-92.00000°. $M_0$8.87000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=6.0km az=13.5.
JMA Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=12.1km az=78.0.

(123) Northern Chile

ISC	**VII**	**18 22 06 57.8–.42**	**26.36S–.03**	**69.97W–.07**	**87–3**	**4.6b**	**129**	**1-169**
ISCJB	VII	18 22 06 56.7–.34	26.34S–.02	69.84W–.06	85–3	4.5b		**¶601405102**
GUC	VII	18 22 06 56.1–.74	26.34S	70.09W	104–3	4.8L		
NEIC	VII	18 22 06 57.5–.47	26.34S	69.80W	76–4	4.8L,4.6b		
GCMT	VII	18 22 06 57.5–.40	26.62S	70.17W	109–5	4.9W,4.6b		
IDC	VII	18 22 06 58.6–.44	26.29S	69.80W	88–3	4.4,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.9km az=0.4.
GUC Error ellipse: s-maj=2.4km s-min=15.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.7km az=83.0. Felt [V] at Copiapo, Los Loros and Tierra Amarilla, [IV] at Diego de Almagro and [III] at Taltal.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s18,c20; s65,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.11 $M_{\theta\theta}$-1.30±.13; $M_{\phi\phi}$2.05±.14; $M_{r\theta}$1.05±.06; $M_{\theta\phi}$-0.92±.11; $M_{\phi r}$0.69±.10; Best double couple: NP1:ϕ_s205.00000°,δ72.00000°,λ-33.00000°. NP2:ϕ_s307.00000°,δ58.00000°,λ-158.00000°. Principal axes: T 2.3490,Plg9.0000°,Azm258.0000°; N 0.0570,Plg52.0000°,Azm359.0000°; P -2.4110,Plg36.0000°,Azm162.0000° $M_0$2.38000×10^{16}

IDC Error ellipse: s-maj=17.0km s-min=11.0km az=68.0.

(90) Puerto Rico region

ISC	**VII**	**19 06 27 40.3–.59**	**18.37N–.05**	**65.39W–.03**	**106–5**	**3.8b**	**167**	**0-75**
TRN	VII	19 06 27 35.4	18.97N	65.18W	162	4.5		**¶601405110**
NEIC	VII	19 06 27 39.0–.00	18.46N	65.34W	114	4.1b,4.0		
IDC	VII	19 06 27 39.8–.87	18.33N	65.37W	107–8	3.9,3.8		
RSPR	VII	19 06 27 40.7	18.58N	65.37W	99–0	4.0,3.8		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Naguabo and Guaynabo. Also felt at Aibonito, Barranquitas, Bayamon, Caguas, Canovanas, Carolina, Ceiba, Comerio, Corozal, Culebra, Fajardo, Naranjito, San Juan, Toa Alta and Utuado. Felt on Saint Thomas, Virgin Islands. After RSPR.

IDC Error ellipse: s-maj=19.5km s-min=15.5km az=71.0.

RSPR Event type ke.

(717) Afghanistan-Tajikistan border region

ISC	**VII**	**19 07 36 35.4–.18**	**37.23N–.02**	**71.37E–.02**	**101–1**	**5.6b**	**1747**	**3-150**
ISCJB	VII	19 07 36 32.5–.26	37.19N–.01	71.35E–.01	84–2	5.5b		**¶601451990**
MOS	VII	19 07 36 34.5–.95	37.22N	71.38E	105	5.6b,4.7s		
IDC	VII	19 07 36 35.6–1.8	37.19N	71.41E	101–16	5.4,5.1		
NNC	VII	19 07 36 35.1–1.6	37.59N	71.05E	0	6.3b,6.0		
NEIC	VII	19 07 36 35.5–.11	37.25N	71.38E	98	5.6W,5.6W		
GCMT	VII	19 07 36 35.5–.10	37.12N	71.19E	111–0	5.7W,5.6W		
NEIC	VII	19 07 36 36.0–.00	37.28N	71.10E	110	5.7W,5.6W		
BJI	VII	19 07 36 36.0	37.30N	71.58E	105	5.6b,5.4b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=25.0.

MOS Error ellipse: s-maj=4.5km s-min=3.4km az=124.0.

IDC Error ellipse: s-maj=8.8km s-min=6.0km az=6.0.

NNC Event type se. Error ellipse: s-maj=12.7km s-min=9.0km az=164.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=194.0. Felt at Jurm. Also felt at Islamabad, Lahore and Muzaffarabad, Pakistan; Dushanbe, Tajikistan; Zarafshon, Uzbekistan. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.83 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.33 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s90.00000°,δ58.00000°,λ91.00000°. NP2:ϕ_s268.00000°,δ32.00000°,λ88.00000°. Principal axes: T 3.1300,Plg77.0000°,Azm4.0000°; N -0.0700,Plg1.0000°,Azm270.0000°; P -3.0600,Plg13.0000°,Azm180.0000° $M_0$3.10000×10^{17}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s126,c217; s138,c307;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.43±.04 $M_{\theta\theta}$-3.63±.04; $M_{\phi\phi}$0.20±.04; $M_{r\theta}$1.19±.04; $M_{\theta\phi}$0.40±.04; $M_{\phi r}$-0.31±.03; Best double couple: NP1:ϕ_s99.00000°,δ55.00000°,λ94.00000°. NP2:ϕ_s273.00000°,δ36.00000°,λ85.00000°. Principal axes: T 3.6420,Plg80.0000°,Azm24.0000°; N 0.2400,Plg3.0000°,Azm277.0000°; P -3.8730,Plg9.0000°,Azm186.0000° $M_0$3.75800×10^{17}

NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}2.83 $M_{\theta\theta}$-2.48 $M_{\phi\phi}$-0.36 $M_{r\theta}$1.35 $M_{\theta\phi}$0.23 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s88.00000°,δ58.00000°,λ83.00000°. NP2:ϕ_s282.00000°,δ32.00000°,λ102.00000°. Principal axes: T 3.1900,Plg75.0000°,Azm337.0000°; N -0.3800,Plg6.0000°,Azm92.0000°; P -2.8100,Plg13.0000°,Azm183.0000° $M_0$3.00000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**19 10 39 15.4–1.6**	**37.05N–.04**	**141.29E–.05**	**8–10**	**4.0b**	**66**	**0-147**
NIED	VII	19 10 39 00	37.10N	141.20E	14	4.0W		**¶601664829**
IDC	VII	19 10 39 14.4–.61	37.00N	141.20E	0	4.0,3.8		
ISCJB	VII	19 10 39 15.5–.86	37.02N–.03	141.31E–.05	18–6	4.0b,3.3s		
JMA	VII	19 10 39 17.4–.10	37.05N	141.16E	29–1	3.9,3.3s		
NEIC	VII	19 10 39 18.3–2.0	36.98N	141.26E	27–15	4.7b,3.3s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ41.00000°,λ-76.00000°. NP2:ϕ_s235.00000°,δ51.00000°,λ-101.00000°. $M_0$1.17000×10^{15}

IDC Error ellipse: s-maj=19.2km s-min=13.4km az=116.0.

ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=38.2.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.2km az=121.0. Recorded [2 JMA] in Fukushima.

(228) Near east coast of eastern Honshu

ISC	**VII**	**19 16 11 38.1–.32**	**37.55N–.03**	**141.90E–.03**	**24**	**4.6b,3.8s**	**348**	**1-146**
NIED	VII	19 16 11 00	37.60N	141.90E	26	4.3W,3.8s		**¶601451949**
BJI	VII	19 16 11 34.1	37.55N	141.72E	6	4.8b,4.7b		
ISCJB	VII	19 16 11 37.0–.15	37.57N–.02	141.82E–.02	24	4.6b,3.7s		
JMA	VII	19 16 11 37.4–.10	37.58N	141.85E	29–2	4.5,3.7s		
MOS	VII	19 16 11 38.2–1.1	37.67N	141.81E	33	4.7b,3.7s		
NEIC	VII	19 16 11 40.0–1.1	37.57N	141.72E	34–8	4.7b,3.7s		
IDC	VII	19 16 11 40.7–1.7	37.58N	141.83E	41–15	4.3,4.2		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ21.00000°,λ169.00000°. NP2:ϕ_s335.00000°,δ86.00000°,λ70.00000°. $M_0$3.32000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=156.1.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

MOS Error ellipse: s-maj=7.1km s-min=5.2km az=91.4.

NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=133.0. Recorded [2 JMA] in Fukushima.

IDC Error ellipse: s-maj=12.1km s-min=9.4km az=115.0.

(196) Irian Jaya region

ISC	**VII**	**19 23 26 19.0–.42**	**2.50S–.04**	**136.65E–.04**	**10**	**4.4b,3.9s**	**67**	**1-149**
ISCJB	VII	19 23 26 17.0–.28	2.49S–.03	136.64E–.03	10	4.3b,3.8s		**¶601453274**
IDC	VII	19 23 26 17.4–.70	2.35S	136.62E	0	4.4,4.3		
BJI	VII	19 23 26 17.5	2.40S	136.70E	10	4.8b,4.6b		
NEIC	VII	19 23 26 18.8–.33	2.43S	136.66E	10	4.7b,4.6b		
DJA	VII	19 23 26 20.2–.50	2S–4.0	137E–2.0	21–4	5.1,5.0		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [III] at Serui and Waren.

(207) Eastern New Guinea region

ISC	**VII**	**20 01 26 05.0–.48**	**5.49S–.05**	**146.78E–.09**	**150**	**4.5b**	**53**	**3-147**
ISCJB	VII	20 01 26 03.4–.36	5.46S–.04	146.79E–.07	150	4.3b		**¶601456419**
IDC	VII	20 01 26 04.3–.86	5.39S	146.73E	150–6	4.3,4.1		
NEIC	VII	20 01 26 05.7–.62	5.42S	146.78E	161–6	4.4b,4.1		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.1km az=7.8.

IDC Error ellipse: s-maj=25.3km s-min=10.7km az=96.0.

NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=5.6km az=108.0. Felt at Lae.

(221) Kuril Islands

ISC	**VII**	**20 03 40 11.6–.52**	**49.28N–.04**	**156.09E–.04**	**17–2**	**5.2b,5.0s**	**1341**	**1-171**
IDC	VII	20 03 40 06.7–.53	49.35N	156.11E	0	5.7L,4.9		**¶601451958**
KRSC	VII	20 03 40 08.7–2.8	49.13N	156.91E	43–43	5.7L,4.9		
SKHL	VII	20 03 40 09.9–.60	49.03N	156.60E	58–2	6.1b,6.0		
ISCJB	VII	20 03 40 10.9–.74	49.42N–.02	155.85E–.02	23–5	5.1b,5.0s		
BJI	VII	20 03 40 10.7	49.51N	156.00E	22	5.4s,5.3		
NEIC	VII	20 03 40 12.2–2.1	49.51N	155.60E	15–13	5.3b,5.0s		
GCMT	VII	20 03 40 12.1–.10	49.22N	156.50E	25–0	5.5W,5.0s		
MOS	VII	20 03 40 14.2–1.6	49.54N	155.90E	47	5.3b,5.1s		

ISC Event type se.

IDC Error ellipse: s-maj=13.5km s-min=10.9km az=133.0.

KRSC Event type se.

SKHL Event type fe. Felt (II) at Severo-Kurilsk.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=158.6.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=163.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s114,c207; s122,c239; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34±.02 $M_{\theta\theta}$-0.51±.02; $M_{\phi\phi}$-0.82±.02; $M_{r\theta}$0.58±.04; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$1.20±.04; Best double couple: NP1:ϕ_s30.00000°,δ67.00000°,λ83.00000°. NP2:ϕ_s228.00000°,δ24.00000°,λ107.00000°. Principal axes: T 1.9000,Plg67.0000°,Azm286.0000°; N 0.0160,Plg7.0000°,Azm32.0000°; P -1.9130,Plg22.0000°,Azm125.0000° $M_0$1.90600×10^{17}

MOS Event type fe. Error ellipse: s-maj=5.9km s-min=2.8km az=81.4. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.

(228) Near east coast of eastern Honshu

ISC	**VII**	**20 03 59 44.5–.57**	**38.34N–.05**	**141.97E–.05**	**45–4**	**4.4b**	**124**	**1-151**
MOS	VII	20 03 59 41.9–1.1	38.32N	141.79E	33	4.6b		**¶601479687**
ISCJB	VII	20 03 59 43.3–.57	38.30N–.03	141.94E–.05	49–4	4.5s,4.3b		
JMA	VII	20 03 59 44.6–.10	38.30N	141.87E	47–1	4.1,4.3b		
IDC	VII	20 03 59 45.1–.60	38.23N	141.78E	48–5	4.3,4.2		
NEIC	VII	20 03 59 45.5–.68	38.31N	141.83E	51–5	4.4b,4.2		

ISC Event type se.

MOS Error ellipse: s-maj=11.0km s-min=5.9km az=97.7.

ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.4km az=32.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=15.2km s-min=12.6km az=97.0.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=134.0.

(221) Kuril Islands

ISC	**VII**	**20 06 10 27.3–.26**	**49.25N–.03**	**156.11E–.03**	**38–1**	**5.8s,5.7b**	**2454**	**1-157**
BJI	VII	20 06 10 21.2	49.44N	156.16E	12	6.2,6.2s		**¶601453719**
IDC	VII	20 06 10 21.1–.38	49.35N	156.01E	0	5.7,5.7s		
KRSC	VII	20 06 10 21.6–2.3	49.02N	156.56E	53–30	6.4L,5.7s		
GCMT	VII	20 06 10 25.2–.10	49.22N	156.41E	27–0	6.0W,5.7s		
NEIC	VII	20 06 10 25.0–.00	49.15N	156.23E	23	6.0W,5.7s		
NEIC	VII	20 06 10 25.2–.07	49.41N	155.91E	19	6.1W,6.0		
ISCJB	VII	20 06 10 25.8–.32	49.30N–.02	156.08E–.02	40–2	5.8s,5.7b		
MOS	VII	20 06 10 26.9–1.1	49.39N	155.94E	47	6.0b,5.9s		
SKHL	VII	20 06 10 26.9–.90	49.14N	156.31E	69–6	6.6b,6.4s		
NEIC	VII	20 06 10 32.7–.00	49.53N	156.72E	36	6.6b,6.4s		

ISC Event type se.

IDC Error ellipse: s-maj=11.1km s-min=9.2km az=109.0.

KRSC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s132,c312; s142,c486;Duration: 2s4 Moment tensor: Scale 10^{18} Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.29±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$0.43±.01; $M_{\theta\phi}$-0.47±.00; $M_{\phi r}$0.67±.01; Best double couple: NP1:ϕ_s33.00000°,δ65.00000°,λ89.00000°. NP2:ϕ_s217.00000°,δ25.00000°,λ93.00000°. Principal axes: T 1.2210,Plg70.0000°,Azm300.0000°; N 0.0350,Plg1.0000°,Azm34.0000°; P -1.2550,Plg20.0000°,Azm124.0000° $M_0$1.23800×10^{18}

NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ71.00000°,λ84.00000°. NP2:ϕ_s227.00000°,δ20.00000°,λ108.00000°. Principal axes: T 1.1800,Plg63.0000°,Azm288.0000°; N -0.1000,Plg6.0000°,Azm30.0000°; P -1.0800,Plg26.0000°,Azm123.0000°

NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.4km az=157.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}5.60 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-4.62 $M_{r\theta}$4.24 $M_{\theta\phi}$-2.62 $M_{\phi r}$4.86 Best double couple: NP1:ϕ_s197.00000°,δ22.00000°,λ70.00000°. NP2:ϕ_s38.00000°,δ69.00000°,λ98.00000°. Principal axes: T 8.5800,Plg65.0000°,Azm321.0000°; N 0.1900,Plg7.0000°,Azm215.0000°; P -8.7700,Plg24.0000°,Azm122.0000° $M_0$8.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s210.00000°,δ12.00000°,λ90.00000°. NP2:ϕ_s30.00000°,δ78.00000°,λ90.00000°. Principal axes: T Plg57.0000°,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg33.0000°,Azm120.0000°

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.5km az=163.7.

MOS Event type fe. Error ellipse: s-maj=5.6km s-min=2.6km az=81.6. Fault plane solution: P-wave C204, D29 . Felt (IV-V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ71.00000°,λ86.00000°. NP2: ϕ_s224.00000°,δ20.00000°,λ101.00000°. Principal axes: T Plg64.0000°,Azm296.0000°; N Plg4.0000°,Azm34.0000°; P Plg26.0000°,Azm125.0000° $M_0$7.20000×10^{18}

SKHL Event type fe. Felt (IV-V) at Severo-Kurilsk.

NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.48 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s243.00000°,δ27.00000°,λ128.00000°. NP2:ϕ_s21.00000°,δ69.00000°,λ73.00000°. Principal axes: T 1.5500,Plg62.0000°,Azm265.0000°; N -0.2000,Plg16.0000°,Azm28.0000°; P -1.3500,Plg22.0000°,Azm124.0000° $M_0$1.50000×10^{18}

(221) Kuril Islands

ISC	**VII**	**20 06 33 00.7–.42**	**49.26N–.04**	**156.27E–.03**	**44–3**	**5.8b,5.6s**	**2167**	**1-157**
BJI	VII	20 06 32 53.9	49.27N	156.14E	11	6.1b,6.0s		**¶601451963**
IDC	VII	20 06 32 54.5–.36	49.35N	156.11E	0	5.5,5.5b		
GCMT	VII	20 06 32 56.1–.10	49.24N	156.54E	27–0	5.8W,5.5b		
NEIC	VII	20 06 32 56.0–.00	49.25N	156.32E	21	5.8W,5.5b		
NEIC	VII	20 06 32 56.1–.07	49.35N	156.13E	10	5.8W,5.8b		
KRSC	VII	20 06 32 57.3–2.0	49.15N	156.81E	70–31	6.0L,5.8b		
ISCJB	VII	20 06 32 58.1–.33	49.26N–.02	156.26E–.02	37–2	5.7b,5.6s		
SKHL	VII	20 06 32 59.7–.20	49.17N	156.44E	58–2	6.6b,6.5		
MOS	VII	20 06 33 01.6–1.1	49.47N	156.14E	64	6.0b,5.7s		

ISC Event type se.

IDC Error ellipse: s-maj=10.6km s-min=8.6km az=134.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s115,c236; s139,c413;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.55±.08 $M_{\theta\theta}$-1.59±.05; $M_{\phi\phi}$-3.97±.06; $M_{r\theta}$2.52±.11; $M_{\theta\phi}$-2.51±.03; $M_{\phi r}$4.03±.11; Best double couple: NP1:ϕ_s32.00000°,δ65.00000°,λ90.00000°. NP2:ϕ_s213.00000°,δ25.00000°,λ90.00000°. Principal axes: T 7.3060,Plg70.0000°,Azm302.0000°; N -0.0020,Plg0.0000°,Azm32.0000°; P -7.3140,Plg20.0000°,Azm122.0000° $M_0$7.31000×10^{17}

NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}4.15 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-2.77 $M_{r\theta}$3.68 $M_{\theta\phi}$-0.91 $M_{\phi r}$3.70 Best double couple: NP1:ϕ_s41.00000°,δ73.00000°,λ96.00000°. NP2:ϕ_s202.00000°,δ18.00000°,λ72.00000°. Principal axes: T 6.9200,Plg61.0000°,Azm319.0000°; N -1.0900,Plg5.0000°,Azm219.0000°; P -5.8200,Plg27.0000°,Azm126.0000° $M_0$6.40000×10^{17}

NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.4km az=156.0.

KRSC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.6km az=160.8.

SKHL Event type fe. Felt (III-IV) at Severo-Kurilsk.

MOS Event type fe. Error ellipse: s-maj=5.7km s-min=2.6km az=82.2. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.

(213) Volcano Islands region

ISC	**VII**	**20 06 50 16.9–.52**	**24.65N–.04**	**141.65E–.05**	**115–4**	**4.9b**	**657**	**2-152**
BJI	VII	20 06 50 13.6	24.55N	142.05E	128	5.3b,4.9b		**¶601451964**
IDC	VII	20 06 50 15.8–.63	24.65N	141.41E	107–5	4.9,4.7		
JMA	VII	20 06 50 16.2	24.98N	140.92E	96	5.1,4.7		
ISCJB	VII	20 06 50 16.1–.55	24.68N–.03	141.55E–.02	113–4	4.9b,4.7		
NEIC	VII	20 06 50 18.5–.67	24.65N	141.52E	124–6	4.9b,4.7		
MOS	VII	20 06 50 19.0–1.2	24.66N	141.36E	146	4.9b,4.7		

ISC Event type se.

IDC Error ellipse: s-maj=12.7km s-min=8.1km az=91.0.

JMA Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=162.0.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=136.0. Recorded [1 JMA] in the Hahajima-retto.

MOS Error ellipse: s-maj=9.0km s-min=5.3km az=102.6.

(603) Near southeast coast of Australia

ISC	**VII**	**20 09 11 32.2–.63**	**38.27S–.08**	**146.0E–.10**	**8**	**4.8b,4.0s**	**25**	**4-148**
ISCJB	VII	20 09 11 30.5–.53	38.23S–.07	146.0E–.10	8	4.7b,4.0s		**¶601452000**
IDC	VII	20 09 11 30.5–1.5	38.18S	146.17E	0	4.5L,4.4		
NEIC	VII	20 09 11 31.0–.00	38.28S	146.16E	13	4.6b,4.3L		
BJI	VII	20 09 11 31.0	38.32S	146.47E	12	5.1b,4.9b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=14.3km s-min=7.6km az=146.6.

IDC Error ellipse: s-maj=87.6km s-min=17.9km az=67.0.

NEIC Event type fe. Felt [IV] at Moe and Morwell; [III] at Craigieburn, Cranbourne, Healesville, Pakenham, Traralgon, Warragul and Wonthaggi; [II] at Hastings, Melbourne and Somerville. Also felt at Ararat, Bendigo, Canberra, Crib Point, Dandenong, Echuca Village, Frankston, Ringwood, Sunbury, Wallan and Wodonga. After AUST.

(228) Near east coast of eastern Honshu

JMA	**VII**	**20 09 11 56.4–.10**	**36.25N**	**141.06E**	**45–2**	**3.6**		**¶603643265**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(664) Southeastern China

ISC	**VII**	**20 12 11 53.5–.48**	**33.02N–.03**	**119.70E–.03**	**18–1**	**4.9b,4.5s**	**438**	**1-96**
ISCJB	VII	20 12 11 50.8–.13	33.00N–.02	119.63E–.02	13	4.8b,4.5s		**¶601453276**
IDC	VII	20 12 11 50.0–.55	33.00N	119.64E	0	4.8,4.6		
BJI	VII	20 12 11 51.1	33.04N	119.57E	15	5.3L,5.0b		
MOS	VII	20 12 11 51.9–1.1	33.03N	119.64E	21	5.0b,4.8s		
GCMT	VII	20 12 11 52.0–.20	33.08N	119.49E	14–1	5.0W,4.8s		
NEIC	VII	20 12 11 52.0–.11	32.98N	119.59E	10	4.9b,4.8s		

ISC Event type de.

ISCJB Event type de. Error ellipse: s-maj=2.7km s-min=2.3km az=27.9.

IDC Error ellipse: s-maj=15.9km s-min=13.3km az=51.0.

MOS Error ellipse: s-maj=6.4km s-min=4.5km az=111.4.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s47,c61; s101,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.08 $M_{\theta\theta}$2.58±.08; $M_{\phi\phi}$-2.42±.09;

M_{rr}1.16±.21; $M_{\theta\theta}$2.53±.08; $M_{\theta r}$-0.12±.17; Best double couple: NP1:ϕ_s113.00000°,δ87.00000°,λ17.00000°. NP2:ϕ_s22.00000°,δ73.00000°,λ177.00000°. Principal axes:
T 3.8990,Plg14.0000°,Azm338.0000°; N -0.3250,Plg73.0000°,Azm123.0000°
; P -3.5710,Plg10.0000°,Azm246.0000° $M_0$3.73500×10^{16}

NEIC Event type de. Error ellipse: s-maj=2.9km s-min=2.6km az=109.0. One person killed and two injured at Yangzhou. Thirteen rooms collapsed and 506 damaged at Taizhou and Yangzhou. Felt [III] at Changzhou, Nanjing, Xiaolingwei and Yangzhou. Also felt at Chuzhou, Gaoyou, Hefei, Huaiyin, Yancheng and Zhenjiang.

(116) Central Peru

NEIC	**VII**	**20 12 15 06.0–.00**	**9.96S**	**75.38W**	**20**	**4.0L**		**¶601456425**

NEIC Event type fe. Felt [II] at Pozuzo. After ARE.

(34) Off coast of northern California

ISC	**VII**	**21 01 52 02.9–.69**	**40.44N–.03**	**125.28W–.04**	**11–3**	**5.0b,4.4s**	**863**	**1-153**
BJI	VII	21 01 51 58.7	40.40N	125.50W	10	5.5b,5.1b		**¶601453738**
ISCJB	VII	21 01 52 00.0–.53	40.41N–.01	125.30W–.02	1–3	5.0b,4.4s		
NEIC	VII	21 01 52 01.7–.00	40.39N	125.53W	25	5.1W,5.0b		
GCMT	VII	21 01 52 01.7–.20	40.39N	125.45W	17–0	5.2W,5.0b		
IDC	VII	21 01 52 01.5–.50	40.53N	125.23W	0	4.7,4.6		
MOS	VII	21 01 52 02.8–1.1	40.36N	125.23W	22	5.1b,4.5s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=151.9.
NEIC Event type fe. Felt [II] at Arcata, Eureka, McKinleyville and Whitethorn. Also felt at Bayside, Ferndale, Fort Bragg, Petrolia, Samoa and Salyer. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{16}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s76,c106; s124,c236; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04±.13 $M_{\theta\theta}$-1.50±.12; $M_{\phi\phi}$2.54±.12; $M_{r\theta}$0.68±.30; $M_{\theta\phi}$-6.89±.11; $M_{\phi r}$0.31±.31; Best double couple: NP1:ϕ_s278.00000°,δ86.00000°,λ-174.00000°. NP2:ϕ_s188.00000°,δ84.00000°,λ-4.00000°. Principal axes:
T 7.7030,Plg1.0000°,Azm53.0000°; N -0.9490,Plg83.0000°,Azm315.0000°
; P -6.7540,Plg7.0000°,Azm143.0000° $M_0$7.22800×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=8.4km az=17.0.
MOS Error ellipse: s-maj=5.0km s-min=4.2km az=99.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**21 03 01 19.7–.39**	**37.77N–.03**	**142.02E–.03**	**44–3**	**4.9b,4.4s**	**957**	**1-151**
NIED	VII	21 03 01 00	37.70N	142.00E	38	4.8W,4.4s		**¶601456901**
MOS	VII	21 03 01 17.1–.96	37.85N	142.08E	38	5.1b,4.4s		
BJI	VII	21 03 01 18.2	37.59N	142.05E	50	5.0b,4.9b		
JMA	VII	21 03 01 18.9–.10	37.76N	141.93E	37–2	4.9,4.9b		
ISCJB	VII	21 03 01 19.4–.34	37.76N–.02	141.87E–.02	51–2	4.9b,4.3s		
NEIC	VII	21 03 01 20.9–.37	37.79N	141.83E	48–3	4.9b,4.3s		
IDC	VII	21 03 01 21.4–1.4	37.79N	141.88E	56–12	4.8,4.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ7.00000°,λ-99.00000°. NP2:ϕ_s101.00000°,δ83.00000°,λ-89.00000°. $M_0$1.55000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=91.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=152.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=138.0. Felt at Fukushima, Ishinomaki, Iwaki, Mito, Sendai, Sukagawa and Tsukuba. Recorded [3 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=10.0km s-min=8.9km az=72.0.

(688) East of North Island

ISC	**VII**	**21 04 54 07.5–.25**	**37.84S–.03**	**179.83E–.03**	**21–2**	**5.7b,5.4s**	**1295**	**1-177**
MOS	VII	21 04 54 03.2–.97	37.66S	179.76E	33	5.8b,5.3s		**¶601456903**
ISCJB	VII	21 04 54 04.9–.11	37.78S–.02	179.89E–.02	10	5.7b,5.4s		
WEL	VII	21 04 54 04.3	38S–9.0	180W–6.0	33	6.1L,5.4s		
BJI	VII	21 04 54 04.8	37.80S	179.70E	10	5.9b,5.6b		
IDC	VII	21 04 54 04.3–.28	37.64S	179.80E	0	5.4,5.4		
NEIC	VII	21 04 54 05.5–.00	37.71S	179.97W	12	5.8L,5.7b		
GCMT	VII	21 04 54 05.5–.10	37.69S	179.96W	15–0	5.7W,5.7b		

ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=8.2km az=91.3.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.6km az=158.6.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=9.9km s-min=8.9km az=174.0.
NEIC Event type fe. Felt in the Bay of Plenty-Hawke's Bay area. After WEL. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52 $M_{\theta\theta}$-2.52 $M_{\phi\phi}$2.00 $M_{r\theta}$1.19 $M_{\theta\phi}$1.72 $M_{\phi r}$1.14 Best double couple: NP1:ϕ_s66.00000°,δ80.00000°,λ30.00000°. NP2:ϕ_s331.00000°,δ61.00000°,λ168.00000°. Principal axes: T 3.3500,Plg28.0000°,Azm292.0000°
; N -0.0800,Plg59.0000°,Azm84.0000°; P -3.2700,Plg13.0000°,Azm195.0000°
$M_0$3.30000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s107,c204; s118,c326;Duration: 1ŧ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.60±.05 $M_{\theta\theta}$1.58±.05; $M_{\phi\phi}$1.02±.05; $M_{r\theta}$0.19±.09; $M_{\theta\phi}$4.05±.04; $M_{\phi r}$1.35±.10; Best double couple: NP1:ϕ_s193.00000°,δ66.00000°,λ-140.00000°. NP2:ϕ_s85.00000°,δ54.00000°,λ-30.00000°. Principal axes:
T 5.5000,Plg8.0000°,Azm316.0000°; N -1.8990,Plg45.0000°,Azm219.0000°
; P -3.6010,Plg44.0000°,Azm54.0000° $M_0$4.55000×10^{17}

(34) Off coast of northern California

ISC	**VII**	**21 06 04 24.1–1.2**	**40.40N–.04**	**125.17W–.05**	**15–6**	**4.9b,4.8s**	**633**	**1-101**
ISCJB	VII	21 06 04 20.6–.55	40.40N–.01	125.21W–.02	1–3	4.9b,4.8s		**¶601453745**
BJI	VII	21 06 04 20.3	40.40N	125.30W	6	5.4b,5.3		
NEIC	VII	21 06 04 21.2–.00	40.41N	125.33W	6	5.2W,4.9b		
GCMT	VII	21 06 04 21.2–.20	40.41N	125.38W	19–0	5.4W,4.9b		
IDC	VII	21 06 04 21.5–.61	40.36N	125.20W	0	4.7s,4.7		
MOS	VII	21 06 04 22.4–.99	40.38N	125.14W	14	5.0b,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=152.3.
NEIC Event type fe. Felt [IV] at Petrolia; [III] at Bayside, Eureka, Ferndale, Rio Dell, Samoa, Trinidad and Whitethorn; [II] at Arcata, Fortuna, McKinleyville and Scotia. Also felt at Garberville, Hydesville, Kneeland, Mendocino, Redcrest and Willow Creek. After NCEDC. Moment Tensor Solution. $M_0$7.60000×10^{16}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s59,c87; s119,c220; Duration: 1ŧ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35±.04 $M_{\theta\theta}$-0.03±.03; $M_{\phi\phi}$0.38±.03; $M_{r\theta}$0.05±.07; $M_{\theta\phi}$-1.49±.03; $M_{\phi r}$0.03±.07; Best double couple: NP1:ϕ_s274.00000°,δ88.00000°,λ-177.00000°. NP2:ϕ_s184.00000°,δ87.00000°,λ-2.00000°. Principal axes:
T 1.6810,Plg0.0000°,Azm49.0000°; N -0.3490,Plg86.0000°,Azm315.0000°
; P -1.3310,Plg4.0000°,Azm139.0000° $M_0$1.50600×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=8.0km az=15.0.
MOS Error ellipse: s-maj=5.4km s-min=4.7km az=116.4.

(227) Eastern Honshu

JMA	**VII**	**21 10 56 08.9–.20**	**36.81N**	**138.60E**	**2–3**	**2.9**		**¶603643787**

JMA Event type fe.

(45) California-Baja California border region

ISC	**VII**	**21 13 57 25.5–.95**	**32.15N–.02**	**115.23W–.02**	**17–8**		**67**	**0-8**
ISCJB	VII	21 13 57 25.3–.53	32.12N–.02	115.16W–.03	13–4			**¶601696344**
NEIC	VII	21 13 57 27.1–.00	32.13N	115.23W	8	3.2L,3.2L		
ECX	VII	21 13 57 27.1–.65	32.13N	115.23W	8	3.4L,3.2		
MEX	VII	21 13 57 28.2–.51	32.21N	115.14W	12–999	3.9,3.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.2km az=170.5.
NEIC Event type fe. Felt at Brawley, California. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 02 08 34.1–1.4**	**36.95N–.03**	**141.17E–.05**	**15–8**	**4.2b**	**57**	**0-151**
NIED	VII	22 02 08 00	36.90N	141.40E	5	4.0W		**¶601484392**
ISCJB	VII	22 02 08 32.1–.94	36.88N–.03	141.43E–.05	16–6	4.1b		
JMA	VII	22 02 08 33.2–.10	36.88N	141.36E	31–1	4.3		
NEIC	VII	22 02 08 34.7–3.1	36.93N	141.21E	18–19	4.3b		
IDC	VII	22 02 08 38.8–2.2	36.87N	141.07E	51–20	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ44.00000°,λ-122.00000°. NP2:ϕ_s215.00000°,δ54.00000°,λ-63.00000°. $M_0$9.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.3km az=18.7.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=6.5km az=128.0. Recorded [2 JMA] in Fukushima and Ibaraki.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=80.0.

(224) Hokkaido region

ISC	**VII**	**22 04 41 57.7–.28**	**42.47N–.03**	**143.02E–.02**	**65–2**	**5.1b**	**1575**	**0-157**
NIED	VII	22 04 41 00	42.50N	143.00E	62	5.1W		**¶601459488**
BJI	VII	22 04 41 53.8	42.39N	143.26E	57	5.3b,5.2b		
SKHL	VII	22 04 41 57.8–.90	42.39N	142.98E	81–3	5.7,5.4b		
GCMT	VII	22 04 41 57.3–.20	42.43N	142.91E	62–1	5.1W,5.4b		
ISCJB	VII	22 04 41 57.1–.15	42.45N–.02	142.94E–.02	73–1	5.0b,5.4b		
MOS	VII	22 04 41 57.6–.87	42.50N	142.88E	75	5.5b,4.3s		
NEIC	VII	22 04 41 57.3–.08	42.55N	142.85E	57	5.1b,4.3s		
JMA	VII	22 04 41 58.3–.10	42.49N	143.03E	61–1	5.1,4.3s		
IDC	VII	22 04 41 59.1–1.2	42.50N	142.94E	75–9	5.1,4.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s31.00000°,δ67.00000°,λ84.00000°. $M_0$4.76000×10^{16}
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s70,c103; s102,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.02±.14 $M_{\theta\theta}$-1.94±.12; $M_{\phi\phi}$-2.07±.12; $M_{r\theta}$0.78±.09; $M_{\theta\phi}$-2.35±.09; $M_{\phi r}$2.99±.08; Best double couple: NP1:ϕ_s27.00000°,δ64.00000°,λ74.00000°. NP2:ϕ_s241.00000°,δ31.00000°,λ120.00000°. Principal axes:
T 5.2470,Plg67.0000°,Azm266.0000°; N -0.0600,Plg15.0000°,Azm35.0000°
; P -5.1780,Plg17.0000°,Azm129.0000° $M_0$5.21200×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=154.7.
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=102.3. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=151.0. Felt [IV] at Obihiro and [III] at Sapporo. Also felt at Tomakomai. Felt at Hachinohe, Honshu. Recorded [4 JMA] in south-central Hokkaido and [2 JMA] in Aomori, Honshu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ62.00000°,λ69.00000°. NP2: ϕ_s250.00000°,δ34.00000°,λ124.00000°. Principal axes: T Plg66.0000°,Azm263.0000°
; N Plg18.0000°,Azm41.0000°; P Plg15.0000°,Azm136.0000°
IDC Error ellipse: s-maj=11.2km s-min=8.8km az=106.0.

(224) Hokkaido region

ISC	**VII**	**22 07 00 05.0–.53**	**42.32N–.04**	**141.86E–.03**	**95–4**	**4.4b**	**221**	**0-147**
NIED	VII	22 07 00 00	42.30N	141.80E	83	4.1W		**¶601456924**
ISCJB	VII	22 07 00 03.5–.20	42.33N–.02	141.84E–.03	96–1	4.3b		
JMA	VII	22 07 00 03.5–.10	42.30N	141.78E	94–2	4.0		
BJI	VII	22 07 00 03.3	42.34N	141.99E	102	4.9b,4.7b		
NEIC	VII	22 07 00 04.8–.36	42.36N	141.87E	96–3	4.6b,4.7b		
SKHL	VII	22 07 00 04.3–1.2	42.38N	141.86E	103–3	5.7s,5.0b		
MOS	VII	22 07 00 04.2–.84	42.34N	141.91E	107	4.5b,5.0b		
IDC	VII	22 07 00 08.0–1.6	42.62N	141.79E	111–10	4.8s,4.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s129.00000°,δ32.00000°,λ-99.00000°. NP2:ϕ_s320.00000°,δ59.00000°,λ-85.00000°. $M_0$1.63000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=146.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s84.00000°,δ79.00000°,λ161.00000°. NP2: ϕ_s178.00000°,δ72.00000°,λ12.00000°. Principal axes: T Plg21.0000°,Azm40.0000°
; N Plg68.0000°,Azm235.0000°; P Plg5.0000°,Azm132.0000°
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=142.0. Felt at Tomakomai.
MOS Error ellipse: s-maj=8.2km s-min=5.9km az=82.3.
IDC Error ellipse: s-maj=20.2km s-min=10.6km az=156.0.

(203) Bismarck Sea

ISC	**VII**	**22 07 02 14.4–.49**	**4.97S–.03**	**149.66E–.04**	**22–3**	**5.3b,5.3s**	**377**	**3-168**
BJI	VII	22 07 02 03.8	5.57S	150.24E	5	5.7b,5.4s		**¶601456925**
ISCJB	VII	22 07 02 11.7–.17	4.95S–.02	149.57E–.03	16	5.2s,5.2b		
NEIC	VII	22 07 02 13.6–1.9	4.87S	149.53E	20–14	5.6W,5.6W		
NEIC	VII	22 07 02 13.0–.00	4.71S	149.65E	15	5.6W,5.6W		
GCMT	VII	22 07 02 13.6–.10	4.84S	149.61E	12	5.7W,5.6W		
MOS	VII	22 07 02 14.1–1.2	4.93S	149.51E	33	5.6b,5.1s		
IDC	VII	22 07 02 17.8–1.8	4.90S	149.52E	53–16	5.1,5.1		
DJA	VII	22 07 02 40.3–2.1	6S–14	148E–22	53–17	6.0b,6.0		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Lae, Papua New Guinea. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$2.34 $M_{\phi\phi}$-2.55 $M_{r\theta}$0.79 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s35.00000°,δ76.00000°,λ169.00000°. NP2:ϕ_s128.00000°,δ80.00000°,λ14.00000°. Principal axes: T 2.7100,Plg17.0000°,Azm352.0000°
; N -0.0400,Plg72.0000°,Azm163.0000°; P -2.6700,Plg3.0000°,Azm261.0000°
$M_0$2.70000×10^{17}
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-3.26 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.72 $M_{\phi r}$0.22 Best double couple: NP1:ϕ_s129.00000°,δ88.00000°,λ-4.00000°. NP2:ϕ_s219.00000°,δ86.00000°,λ-178.00000°. Principal axes:
T 3.4500,Plg2.0000°,Azm173.0000°; N -0.0900,Plg85.0000°,Azm290.0000°
; P -3.3600,Plg4.0000°,Azm83.0000° $M_0$3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s121,c213; s134,c350;Duration: 1ŧ6 Moment tensor: Scale 10^{17} Nm; M_{rr}-0.45±.03 $M_{\theta\theta}$3.71±.03; $M_{\phi\phi}$-3.26±.03; $M_{r\theta}$-0.34±.09; $M_{\theta\phi}$0.94±.03; $M_{\phi r}$-0.35±.09; Best double couple: NP1:ϕ_s38.00000°,δ89.00000°,λ-172.00000°. NP2:ϕ_s307.00000°,δ82.00000°,λ-1.00000°. Principal axes: T 3.8690,Plg5.0000°,Azm172.0000°
; N -0.4530,Plg82.0000°,Azm42.0000°; P -3.4170,Plg6.0000°,Azm263.0000°
$M_0$3.64300×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 08 20 33.1–.58**	**38.58N–.04**	**142.09E–.05**	**47–4**	**4.6b,3.9s**	**233**	**1-150**
NIED	VII	22 08 20 00	38.60N	141.90E	50	4.3W,3.9s		**¶601459492**
BJI	VII	22 08 20 28.7	38.35N	142.25E	38	4.9b,4.8b		
MOS	VII	22 08 20 32.8–.93	38.68N	141.91E	50	4.9b,4.8b		
ISCJB	VII	22 08 20 32.7–.44	38.62N–.03	141.97E–.05	52–3	4.6b,3.7s		
JMA	VII	22 08 20 34.2–.10	38.62N	141.91E	48–1	4.3,3.7s		
NEIC	VII	22 08 20 35.8–.57	38.59N	141.95E	68–4	4.7b,3.7s		
IDC	VII	22 08 20 37.0–2.1	38.60N	141.79E	75–19	4.4,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ23.00000°,λ92.00000°. NP2:ϕ_s22.00000°,δ67.00000°,λ89.00000°. $M_0$3.39000×10^{15}
MOS Error ellipse: s-maj=7.8km s-min=5.0km az=97.5.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=30.6.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=120.0. Felt at Ishinomaki and Sendai. Recorded [3 JMA] in Miyagi.
IDC Error ellipse: s-maj=14.6km s-min=11.6km az=88.0.

(366) Turkey

ISC	**VII**	**22 09 26 04.5–.46**	**37.57N–.02**	**36.36E–.01**	**10–2**	**5.0b,4.1s**	**1355**	**0-150**
CNRM	VII	22 09 25 39.9	38.22N	40.37E	15	5.3L,4.1s		**¶601456930**
ISCJB	VII	22 09 26 02.7–.08	37.56N–.01	36.34E–.01	10	4.9b,4.2s		
IDC	VII	22 09 26 02.8–.44	37.58N	36.23E	0	4.6,4.6b		
IASPE	VII	22 09 26 02.9–.89	37.57N–.02	36.35E–.02	3–5	5.0b,4.1s		
DDA	VII	22 09 26 02.3	37.57N	36.37E	5	5.0L,4.1s		
PDA	VII	22 09 26 02.9	37.55N	36.38E	8	5.0b,4.1s		
NIC	VII	22 09 26 02.1–.40	37.66N	36.64E	12	5.0b,4.7L		
NEIC	VII	22 09 26 03.0–.00	37.55N	36.38E	8	5.0L,5.0b		
ISK	VII	22 09 26 02.7	37.54N	36.38E	10–0	5.0L,5.0b		
BJI	VII	22 09 26 02.0	37.50N	36.40E	8	5.1b,5.1b		
GCMT	VII	22 09 26 03.0–.30	37.34N	36.23E	19–1	4.8W,5.1b		
MOS	VII	22 09 26 04.1–1.2	37.62N	36.34E	17	5.2b,4.1s		
CSEM	VII	22 09 26 04.1–.07	37.54N	36.38E	10	5.0b,4.1s		
PDG	VII	22 09 26 04.1–.78	37.62N	36.46E	9–3	4.8L,4.1s		
DSN	VII	22 09 26 04.0–.69	37.38N	36.17E	8	5.2b,4.1s		
GII	VII	22 09 26 04.0–.16	37.63N	36.65E	10	5.2b,4.1s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=6.2.
IDC Error ellipse: s-maj=9.8km s-min=7.7km az=2.0.
IASPE Event type fe. Error ellipse: s-maj=3.6km s-min=3.3km az=46.3. GT5 selection from ISC bulletin. GT5 identified by Bond¨ jr and McLaughlin (2009) selection criteria. Bond¨ jr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.

NEIC Event type fe. Felt at Adana. After ISK.
ISK Event type ke.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s22,c22; s76,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.81±.17 $M_{\theta\theta}$0.23±.10; $M_{\phi\phi}$1.58±.11; $M_{r\theta}$-0.50±.26; $M_{\theta\phi}$1.03±.06; $M_{\phi r}$-0.33±.18; Best double couple: NP1:ϕ_s38.00000°,δ53.00000°,λ-78.00000°. NP2:ϕ_s198.00000°,δ38.00000°,λ-106.00000°. Principal axes: T 2.2050,Plg7.0000°,Azm119.0000°; N -0.2780,Plg10.0000°,Azm211.0000°; P -1.9280,Plg78.0000°,Azm352.0000° $M_0$2.06600×10^{16}
MOS Error ellipse: s-maj=3.9km s-min=2.5km az=117.3.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=173.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=3.2km az=0.0.
DSN Error ellipse: s-maj=12.2km s-min=7.5km az=71.0.
GII Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 10 12 53.2–1.0**	**36.18N–.05**	**140.02E–.06**	**55–8**	**3.6b**	**21**	**0-56**
ISCJB	VII	22 10 12 52.3–.71	36.17N–.04	140.03E–.07	63–5	3.5b		**¶601664956**
JMA	VII	22 10 12 53.6–.10	36.19N	140.01E	52–1	3.7		
IDC	VII	22 10 12 53.2–1.2	35.34N	137.86E	0	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=6.6km az=168.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s65.00000°,δ72.00000°,λ89.00000°. NP2: ϕ_s248.00000°,δ18.00000°,λ93.00000°. Principal axes: T Plg63.0000°,Azm334.0000°; N Plg1.0000°,Azm66.0000°; P Plg27.0000°,Azm156.0000°
IDC Error ellipse: s-maj=21.2km s-min=16.0km az=63.0.

(70) Guatemala

ISC	**VII**	**22 10 36 37.0–.99**	**14.50N–.03**	**89.13W–.03**	**16–6**	**4.6b**	**431**	**0-146**
ISCJB	VII	22 10 36 37.5–.35	14.50N–.02	89.14W–.03	29–3	4.4b		**¶601456933**
UCR	VII	22 10 36 38.4–6.0	14.47N	89.28W	10	4.4b,4.0L		
NEIC	VII	22 10 36 41.7–.59	14.50N	89.11W	51–5	4.4b,4.0		
IDC	VII	22 10 36 43.2–2.8	14.58N	88.99W	61–25	4.2,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.3km az=153.9.
UCR Error ellipse: s-maj=15.4km s-min=9.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=51.0. Felt [II] at Copan. Also felt at Mercedes and Ostuman. Felt [I] at Citala, El Salvador. Felt at Esquipulas, Guatemala.
IDC Error ellipse: s-maj=23.2km s-min=10.3km az=46.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 11 49 16.6–1.6**	**36.60N–.04**	**141.29E–.06**	**13–10**	**3.7b**	**24**	**1-60**
NIED	VII	22 11 49 00	36.60N	141.20E	8	3.5W		**¶601664967**
IDC	VII	22 11 49 14.3–1.7	36.67N	141.52E	0	3.6,3.5		
ISCJB	VII	22 11 49 17.4–1.1	36.57N–.04	141.25E–.07	23–7	3.6b,3.5		
JMA	VII	22 11 49 18.6	36.58N	141.16E	30–1	3.9,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ44.00000°,λ-76.00000°. NP2:ϕ_s177.00000°,δ48.00000°,λ-103.00000°. $M_0$2.07000×10^{14}
IDC Error ellipse: s-maj=42.4km s-min=23.7km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.8km az=12.6.
JMA Event type fe.

(196) Irian Jaya region

ISC	**VII**	**22 15 49 20.8–.75**	**0.61S–.10**	**134.30E–.08**	**35**	**4.2b**	**20**	**1-152**
IDC	VII	22 15 49 15.2–.77	0.53S	134.40E	0	4.3,4.2		**¶601494606**
ISCJB	VII	22 15 49 18.5–.58	0.57S–.07	134.34E–.09	33	4.3b,2.7s		
DJA	VII	22 15 49 19.7–1.5	1S–12	134E–6.0	19–8	4.6,4.6		
NEIC	VII	22 15 49 20.9–.57	0.63S	134.15E	35	4.1b,4.6		

ISC Event type fe.
IDC Error ellipse: s-maj=44.2km s-min=15.4km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=9.2km az=159.4.
NEIC Event type fe. Error ellipse: s-maj=30.5km s-min=10.2km az=69.0. Felt [II] at Manokwari.

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 20 29 41.3–.80**	**35.36N–.05**	**140.40E–.06**	**57–7**	**3.9b**	**33**	**0-70**
ISCJB	VII	22 20 29 40.9–.47	35.36N–.04	140.32E–.06	65–4	3.8b		**¶601664991**
IDC	VII	22 20 29 41.1–1.7	35.34N	140.27E	43–15	3.9,3.7		
JMA	VII	22 20 29 42.0–.10	35.41N	140.40E	55–2	3.4,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=160.5.
IDC Error ellipse: s-maj=22.1km s-min=6.5km az=69.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s347.00000°,δ64.00000°,λ88.00000°. NP2: ϕ_s172.00000°,δ26.00000°,λ94.00000°. Principal axes: T Plg71.0000°,Azm253.0000°; N Plg2.0000°,Azm348.0000°; P Plg19.0000°,Azm79.0000°

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 20 51 15.0–.77**	**38.30N–.04**	**141.99E–.07**	**47–5**	**3.7b**	**47**	**1-89**
ISCJB	VII	22 20 51 14.2–.74	38.28N–.03	141.93E–.08	59–6	3.8b,3.6s		**¶603644673**
JMA	VII	22 20 51 15.8–.10	38.32N	141.82E	58–1	3.8,3.6s		
IDC	VII	22 20 51 17.2–.99	38.23N	141.95E	73–7	3.9,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=11.5.
JMA Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=13.8km az=73.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 21 57 53.1–1.1**	**38.30N–.04**	**142.03E–.08**	**51–10**	**3.8b**	**51**	**1-146**
NIED	VII	22 21 57 00	38.30N	141.80E	59	4.0W		**¶603644700**
ISCJB	VII	22 21 57 53.0–.72	38.30N–.03	141.91E–.08	63–5	3.8b		
JMA	VII	22 21 57 54.4	38.32N	141.82E	57–1	4.0		
IDC	VII	22 21 57 55.3–2.1	38.31N	141.84E	69–18	4.0,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ49.00000°,λ126.00000°. NP2:ϕ_s353.00000°,δ52.00000°,λ56.00000°. $M_0$9.94000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.0km az=16.7.
JMA Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=13.6km az=81.0.

(196) Irian Jaya region

ISC	**VII**	**23 00 22 08.5–.28**	**2.55S–.04**	**135.53E–.04**	**35**	**5.2b,4.4s**	**299**	**1-155**
IDC	VII	23 00 22 02.6–.41	2.47S	135.48E	0	4.6,4.6b		**¶601643195**
BJI	VII	23 00 22 04.6	2.21S	135.33E	6	5.2b,5.0b		
NEIC	VII	23 00 22 04.7–.19	2.54S	135.41E	10	5.2b,5.0b		
GCMT	VII	23 00 22 04.7–.20	2.41S	135.37E	15	5.2W,5.0b		
MOS	VII	23 00 22 05.7–1.1	2.47S	135.45E	31	5.3b,5.0b		
DJA	VII	23 00 22 06.0–.20	2S–3.0	136E–2.0	10	5.7,5.6b		
ISCJB	VII	23 00 22 06.2–.18	2.52S–.02	135.48E–.03	33	5.0b,4.4s		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Nabire and Serui.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s58,c77; s109,c180;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.14 $M_{\theta\theta}$-4.73±.12; $M_{\phi\phi}$4.38±.14; $M_{r\theta}$0.81±.40; $M_{\theta\phi}$5.39±.11; $M_{\phi r}$3.59±.41; Best double couple: NP1:ϕ_s338.00000°,δ78.00000°,λ158.00000°. NP2:ϕ_s73.00000°,δ68.00000°,λ13.00000°. Principal axes: T 8.4790,Plg24.0000°,Azm294.0000°; N -1.1580,Plg65.0000°,Azm131.0000°; P -7.3220,Plg7.0000°,Azm27.0000° $M_0$7.90100×10^{16}
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**VII**	**23 01 05 49.3–1.8**	**37.11N–.04**	**141.68E–.06**	**7–11**	**3.7b**	**37**	**1-90**
NIED	VII	23 01 05 00	37.20N	141.50E	50	3.9W		**¶601666282**
IDC	VII	23 01 05 48.8–.87	37.11N	141.73E	0	3.8,3.8		
JMA	VII	23 01 05 54.5–.10	37.21N	141.53E	47–2	4.0,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ45.00000°,λ80.00000°. NP2:ϕ_s241.00000°,δ46.00000°,λ100.00000°. $M_0$7.57000×10^{14}
IDC Error ellipse: s-maj=20.1km s-min=16.1km az=79.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**23 02 15 45.0–1.4**	**38.17N–.04**	**142.01E–.08**	**50–12**	**3.9b**	**42**	**1-146**
NIED	VII	23 02 15 00	38.20N	141.90E	62	3.7W		**¶601666291**
ISCJB	VII	23 02 15 45.1–.73	38.22N–.04	141.93E–.07	64–6	3.9b		
JMA	VII	23 02 15 46.3	38.23N	141.82E	64–1	3.9		
IDC	VII	23 02 15 47.5–2.8	38.15N	141.83E	74–27	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ20.00000°,λ102.00000°. NP2:ϕ_s173.00000°,δ71.00000°,λ86.00000°. $M_0$4.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.0km az=21.1.
JMA Event type fe.
IDC Error ellipse: s-maj=25.0km s-min=20.0km az=51.0.

(224) Hokkaido region

ISC	**VII**	**23 16 34 07.2–.71**	**42.93N–.05**	**144.03E–.03**	**99–5**	**3.3b**	**53**	**0-85**
NIED	VII	23 16 34 00	42.90N	144.00E	92	3.5W		**¶601666320**
ISCJB	VII	23 16 34 06.2–.36	42.92N–.04	144.04E–.04	103–3	3.4b		
JMA	VII	23 16 34 07.3–.10	42.95N	144.02E	97–1	3.5		
SKHL	VII	23 16 34 07.3–.80	42.93N	143.83E	53–7	4.3b		
IDC	VII	23 16 34 08.1–1.9	42.95N	143.98E	105–16	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ13.00000°,λ172.00000°. NP2:ϕ_s116.00000°,δ88.00000°,λ78.00000°. $M_0$2.01000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=153.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=16.9km az=112.0.

(224) Hokkaido region

ISC	**VII**	**23 16 52 52.3–.80**	**41.98N–.05**	**142.54E–.04**	**62–7**	**3.9b**	**38**	**0-70**
NIED	VII	23 16 52 00	42.00N	142.60E	65	3.8W		**¶601666321**
ISCJB	VII	23 16 52 51.7–.45	41.99N–.05	142.56E–.05	71–3	3.8b		
JMA	VII	23 16 52 52.8–.20	42.02N	142.58E	62–2	3.6		
IDC	VII	23 16 52 53.6–1.8	42.05N	142.58E	73–15	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s278.00000°,δ3.00000°,λ114.00000°. NP2:ϕ_s74.00000°,δ87.00000°,λ89.00000°. $M_0$5.23000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.9km az=149.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s256.00000°,δ85.00000°,λ-83.00000°. NP2: ϕ_s17.00000°,δ9.00000°,λ-149.00000°. Principal axes: T Plg40.0000°,Azm339.0000°; N Plg7.0000°,Azm75.0000°; P Plg49.0000°,Azm174.0000°
IDC Error ellipse: s-maj=22.4km s-min=13.3km az=99.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**23 17 09 48.3–1.2**	**35.78N–.04**	**140.99E–.07**	**16–6**	**3.4b**	**21**	**0-56**
NIED	VII	23 17 09 00	35.80N	140.90E	8	3.4W		**¶601666323**
IDC	VII	23 17 09 45.7–1.8	35.96N	141.15E	0	3.2,3.2b		
ISCJB	VII	23 17 09 48.1–.99	35.77N–.04	141.05E–.08	23–5	3.2b,3.2b		
JMA	VII	23 17 09 49.8–.10	35.75N	140.88E	12–1	3.5,3.2b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ32.00000°,λ-61.00000°. NP2:ϕ_s177.00000°,δ62.00000°,λ-107.00000°. $M_0$1.27000×10^{14}
IDC Error ellipse: s-maj=39.0km s-min=25.9km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=6.3km az=169.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(478) Utah

ISC	**VII**	**23 17 41 58.9–1.4**	**41.27N–.05**	**112.95W–.08**	**0**		**7**	**1-8**
IDC	VII	23 17 42 00.2–3.7	41.24N	113.09W	0	3.0L,2.7		**¶601666326**
NEIC	VII	23 17 42 01.3–1.1	41.00N	112.78W	0	1.8L,2.7		

ISC Event type sm.
IDC Error ellipse: s-maj=133.3km s-min=26.6km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=19.8km s-min=13.2km az=110.0. 66 km [41 miles] NW of Tooele. Suspected Mining explosion.

(73) El Salvador

ISC	**VII**	**23 19 36 57.9–1.3**	**13.17N–.09**	**89.62W–.07**	**57–9**	**4.2b,3.3s**	**82**	**1-147**
ISCJB	VII	23 19 36 57.6–.62	13.17N–.06	89.60W–.04	67–4	4.1b,3.3s		**¶601666334**
UCR	VII	23 19 36 57.9–1.6	13.12N	89.62W	32–4	4.2L,4.2b		
NEIC	VII	23 19 36 57.8–1.0	13.33N	89.63W	40–7	4.4,4.2b		
IDC	VII	23 19 37 03.6–3.0	13.55N	88.97W	95–27	4.0,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=4.2km az=34.4.
UCR Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=21.9km s-min=9.2km az=209.0. Felt [III] at San Salvador.
IDC Error ellipse: s-maj=46.9km s-min=19.8km az=43.0.

(224) Hokkaido region

ISC	**VII**	**23 20 19 09.5–.87**	**42.28N–.04**	**142.55E–.04**	**61–6**	**3.7b**	**33**	**0-70**
NIED	VII	23 20 19 00	42.30N	142.50E	50	3.6W		**¶601666339**
ISCJB	VII	23 20 19 08.5–.46	42.26N–.04	142.56E–.05	69–4	3.6b		
JMA	VII	23 20 19 09.2–.20	42.28N	142.59E	63–2	3.8		
IDC	VII	23 20 19 10.7–2.0	42.34N	142.35E	68–20	3.6,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ73.00000°,λ-13.00000°. NP2:ϕ_s29.00000°,δ78.00000°,λ-162.00000°. $M_0$2.72000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=5.6km az=157.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ79.00000°,λ-14.00000°. NP2: ϕ_s28.00000°,δ76.00000°,λ-169.00000°. Principal axes: T Plg2.0000°,Azm342.0000°; N Plg72.0000°,Azm78.0000°; P Plg18.0000°,Azm251.0000°
IDC Error ellipse: s-maj=37.0km s-min=16.0km az=92.0.

(259) Mindanao

ISC	**VII**	**24 03 02 58.6–.58**	**7.57N–.03**	**126.74E–.05**	**70–5**	**4.6b**	**214**	**1-163**
MAN	VII	24 03 02 57.1	7.58N	126.58E	14	5.5b,4.7s		**¶601462448**
ISCJB	VII	24 03 02 57.5–.46	7.60N–.02	126.68E–.04	75–4	4.5b,4.7s		
BJI	VII	24 03 02 58.7	7.70N	126.70E	69	5.0b,4.7b		
NEIC	VII	24 03 02 59.9–.89	7.59N	126.57E	84–8	4.7b,4.7b		
DJA	VII	24 03 03 00.6–.50	8N–4.0	127E–5.0	10	5.3,5.3b		
IDC	VII	24 03 03 00.4–1.0	7.63N	126.61E	89–9	4.6,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=172.5.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.2km az=86.0. Felt [III PIVS] at Compostela and Mati.
IDC Error ellipse: s-maj=14.8km s-min=10.7km az=89.0.

(89) Mona Passage

RSPR	**VII**	**24 05 11 38.9**	**18.01N**	**67.09W**	**7–0**	**3.7**		
NEIC	VII	24 05 11 38.9–.00	18.01N	67.09W	7	3.7		**¶601462451**

RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Cabo Rojo and [II] at San German. After RSPR.

(58) Near coast of Guerrero

ISC	**VII**	**24 05 25 27.5–1.1**	**16.36N–.04**	**98.28W–.03**	**12–6**	**5.2b,4.4s**	**1166**	**0-147**
IDC	VII	24 05 25 25.7–.61	16.37N	98.11W	0	4.8,4.6		**¶601462452**
MOS	VII	24 05 25 27.8–.83	16.43N	98.01W	21	5.3b,4.6		
GCMT	VII	24 05 25 28.7–.30	16.57N	98.07W	18–1	5.2W,4.6		
NEIC	VII	24 05 25 28.7–.00	16.27N	98.31W	5	5.2b,5.0		
ISCJB	VII	24 05 25 28.4–.54	16.59N–.02	97.98W–.01	18–3	5.1b,4.4s		
MEX	VII	24 05 25 28.7–.49	16.26N	98.31W	6–2	5.0,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=12.7km az=59.0.
MOS Error ellipse: s-maj=8.9km s-min=4.4km az=92.9.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s54,c75; s80,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.23±.16 $M_{\theta\theta}$-2.78±.11; $M_{\phi\phi}$-0.44±.10; $M_{r\theta}$4.04±.33; $M_{\theta\phi}$0.62±.07; $M_{\phi r}$-4.25±.38; Best double couple: NP1:ϕ_s132.00000°,δ77.00000°,λ100.00000°. NP2:ϕ_s273.00000°,δ16.00000°,λ52.00000°. Principal axes: T 7.0370,Plg57.0000°,Azm55.0000°; N -0.9070,Plg10.0000°,Azm309.0000°; P -6.1280,Plg31.0000°,Azm213.0000° $M_0$6.58300×10^{16}
NEIC Event type fe. Felt [V] at Pinotepa Nacional and [II] at Mexico. Also felt at Acapulco, Acatzingo, Arcelia, Cacahuatepec, Chilapa, Chilpancingo, Cholula, Coacalco, Cuautlancingo, Naucalpan, Nezahualcoyotl, Oaxaca, Tehuacan and Tultitlan. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=16.9.
MEX Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0.

(286) Flores region

ISC	**VII**	**24 07 29 38.2–1.4**	**8.21S–.05**	**120.54E–.04**	**29–11**	**4.3b**	**44**	**1-168**
IDC	VII	24 07 29 33.1–1.9	8.30S	120.26E	0	4.0,4.0L		**¶601666360**
NEIC	VII	24 07 29 38.8–.37	8.18S	120.54E	35	4.2b,4.0L		
DJA	VII	24 07 29 38.3–.30	8S–3.0	121E–2.0	10	4.2,4.2		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Ruteng.

(228) Near east coast of eastern Honshu

JMA	**VII**	**24 12 08 10.9–.10**	**40.35N**	**142.19E**	**45–1**	**3.7**		
NIED	VII	24 12 08 00	40.40N	142.20E	56	3.6W		**¶603645466**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ38.00000°,λ30.00000°. NP2:ϕ_s53.00000°,δ72.00000°,λ124.00000°. $M_0$2.77000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**VII**	**24 12 52 16.9–.90**	**39.18N–.04**	**142.53E–.05**	**28–5**	**4.2b,3.4s**	**121**	**1-88**	
NIED	VII	24 12 52 00	39.20N	142.40E	32	4.0W,3.4s			**¶601666375**
IDC	VII	24 12 52 12.4–.63	39.13N	142.60E	0	4.1,4.0			
ISCJB	VII	24 12 52 13.9–.72	39.17N–.03	142.60E–.04	19–4	4.1b,3.4s			
MOS	VII	24 12 52 15.8–1.1	39.18N	142.62E	38	4.3b,3.4s			
JMA	VII	24 12 52 17.1–.10	39.21N	142.41E	34–1	4.2,3.4s			
NEIC	VII	24 12 52 19.5–.72	39.14N	142.48E	50–6	4.4b,3.4s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ29.00000°,λ-119.00000°. NP2:ϕ_s179.00000°,δ65.00000°,λ-75.00000°. M_o1.11000×10^{15}
IDC Error ellipse: s-maj=15.5km s-min=12.9km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=42.2.
MOS Error ellipse: s-maj=9.4km s-min=5.9km az=83.8.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.6km az=124.0. Recorded [2 JMA] in Iwate.

(256) Leyte

ISC	**VII**	**24 17 49 54.7–1.2**	**11.01N–.03**	**124.75E–.03**	**3–8**	**4.4b,3.3s**	**89**	**0-97**	
IDC	VII	24 17 49 53.7–.80	11.03N	124.98E	0	4.1,3.9b			**¶601643200**
MAN	VII	24 17 49 54.0	11.06N	124.64E	1	4.9b,3.9s			
ISCJB	VII	24 17 49 55.3–.49	11.01N–.02	124.75E–.03	17–4	4.4b,3.4s			
NEIC	VII	24 17 50 02.0–.86	11.02N	124.92E	61–8	4.6b,3.4s			

ISC Event type fe.
IDC Error ellipse: s-maj=48.5km s-min=14.8km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=10.3.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=5.1km az=77.0. Felt [IV PIVS] at Kananga and Ormoc; [III PIVS] at Carigara, Pastrana and Tacloban; [II PIVS] at Palo and Tolosa.

(706) Northern Sumatera

ISC	**VII**	**25 00 27 45.8–.30**	**2.63N–.02**	**96.11E–.02**	**29–1**	**6.4s,5.9b**	**2690**	**0-174**	
BJI	VII	25 00 27 41.1	2.43N	96.13E	23	6.7,6.7s			**¶601467946**
ISCJB	VII	25 00 27 42.3–.42	2.63N–.02	96.07E–.01	16–3	6.4s,5.9b			
IDC	VII	25 00 27 43.5–1.0	2.67N	96.11E	14–6	6.3,6.3s			
DJA	VII	25 00 27 44.5–.10	3N–1.0	96E–1.0	10	6.4b,6.3			
MOS	VII	25 00 27 45.0–.98	2.65N	96.10E	38	6.4s,6.2b			
NEIC	VII	25 00 27 45.0–.00	2.16N	95.83E	17	6.4s,6.2b			
NEIC	VII	25 00 27 45.3–.10	2.71N	96.05E	22	6.5s,6.4W			
GCMT	VII	25 00 27 45.3–.10	2.46N	95.93E	20	6.4W,6.4W			
KLM	VII	25 00 27 51.0	2.79N	96.05E	69	6.1b,6.4W			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=28.9.
IDC Error ellipse: s-maj=7.8km s-min=6.5km az=12.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=118.7.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-0.71 $M_{r\theta}$3.28 $M_{\theta\phi}$1.01 $M_{\phi r}$-3.70 Best double couple: NP1:ϕ_s137.00000° ,δ79.00000°,λ94.00000°. NP2:ϕ_s296.00000°,δ12.00000°,λ69.00000°. Principal axes: T 5.3800,Plg55.0000°,Azm53.0000°; N -0.0400,Plg4.0000°,Azm316.0000° ; P -5.3300,Plg33.0000°,Azm223.0000° M_o5.40000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=205.0. Felt [IV] on Pulau Simeulue. Felt [III] at Banda Aceh, Sumatra. Also felt at Medan. Felt at Butterworth, Malaysia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}1.62 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-0.35 $M_{r\theta}$2.93 $M_{\theta\phi}$0.53 $M_{\phi r}$-2.25 Best double couple: NP1:ϕ_s126.00000° ,δ79.00000°,λ94.00000°. NP2:ϕ_s286.00000°,δ12.00000°,λ70.00000°. Principal axes: T 4.0900,Plg56.0000°,Azm42.0000°; N -0.1700,Plg4.0000°,Azm305.0000° ; P -3.9200,Plg34.0000°,Azm213.0000° M_o4.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s125.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm35.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s146,c349; s142,c543;Duration: 3$\hat{s}$7 Moment tensor: Scale 10^{18} Nm; M_{rr}2.17±.01 $M_{\theta\theta}$-1.54±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$2.50±.03; $M_{\theta\phi}$0.99±.01; $M_{\phi r}$-2.80±.03; Best double couple: NP1:ϕ_s136.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s291.00000° ,δ16.00000°,λ66.00000°. Principal axes: T 4.3910,Plg59.0000°,Azm55.0000° ; N -0.1130,Plg7.0000°,Azm314.0000°; P -4.2820,Plg30.0000°,Azm220.0000° M_o4.33700×10^{18}

(228) Near east coast of eastern Honshu

ISC	**VII**	**25 01 31 39.3–.44**	**36.77N–.04**	**140.62E–.05**	**109–3**	**4.2b**	**168**	**0-91**	
BJI	VII	25 01 31 36.1	36.87N	140.84E	108	5.2b,4.7b			**¶601467947**
ISCJB	VII	25 01 31 38.7–.27	36.78N–.03	140.55E–.04	115–1	4.2b,4.7b			
NEIC	VII	25 01 31 39.3–.44	36.83N	140.59E	103–4	4.5b,4.7b			
MOS	VII	25 01 31 39.0–1.4	37.00N	140.51E	113	4.5b,4.7b			
IDC	VII	25 01 31 40.0–.48	36.78N	140.52E	109–4	4.1,3.9			
JMA	VII	25 01 31 40.7–.10	36.79N	140.49E	105–1	4.0,3.9			

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.1km az=26.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=91.0.
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=117.0.
IDC Error ellipse: s-maj=8.8km s-min=7.4km az=144.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s227.00000°,δ73.00000°,λ-61.00000°. NP2: ϕ_s345.00000°,δ34.00000°,λ-147.00000°. Principal axes: T Plg22.0000°,Azm295.0000° ; N Plg28.0000°,Azm37.0000°; P Plg53.0000°,Azm172.0000°

(228) Near east coast of eastern Honshu

JMA	**VII**	**25 01 35 01.9–.10**	**39.21N**	**142.40E**	**33–1**	**3.7**			**¶603645845**

JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**VII**	**25 01 55 01.4–1.2**	**36.91N–.04**	**140.85E–.06**	**26–7**	**3.4b**	**24**	**0-57**	
IDC	VII	25 01 54 57.9–2.0	36.70N	141.03E	0	3.4,3.3b			**¶601666398**
ISCJB	VII	25 01 55 01.1–.99	36.90N–.04	140.89E–.07	22–5	3.4b,3.3b			
JMA	VII	25 01 55 01.1	36.90N	140.84E	31–1	3.3,3.3b			

ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=25.4km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.7km az=26.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s245.00000°,δ67.00000°,λ-102.00000°. NP2:ϕ_s94.00000°,δ26.00000°,λ-64.00000°. Principal axes: T Plg21.0000°,Azm344.0000°; N Plg11.0000°,Azm250.0000°; P Plg66.0000° ,Azm133.0000°

(224) Hokkaido region

ISC	**VII**	**25 04 04 52.4–.76**	**41.90N–.04**	**142.52E–.04**	**63–6**	**4.0b**	**56**	**0-146**	
ISCJB	VII	25 04 04 51.2–.41	41.88N–.04	142.53E–.04	69–3	3.8b			**¶601476045**
JMA	VII	25 04 04 51.5–.10	41.89N	142.53E	63–2	3.8			
IDC	VII	25 04 04 54.5–1.7	42.01N	142.59E	82–12	3.9,3.7			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.0km az=144.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s47.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s227.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm317.0000° ; N Plg0.0000°,Azm47.0000°; P Plg25.0000°,Azm137.0000°
IDC Error ellipse: s-maj=17.6km s-min=12.0km az=116.0.

(251) Samar

ISC	**VII**	**25 08 39 33.5–.70**	**11.79N–.04**	**125.55E–.05**	**51–6**	**4.7b,3.7s**	**335**	**0-166**	
IDC	VII	25 08 39 26.4–.38	11.70N	125.39E	0	4.7,4.7b			**¶601467956**
BJI	VII	25 08 39 31.5	11.57N	125.72E	68	4.9b,4.8b			
MAN	VII	25 08 39 32.0	11.87N	125.54E	22	5.5b,4.8s			
ISCJB	VII	25 08 39 33.1–.41	11.77N–.02	125.53E–.03	62–3	4.7b,4.8s			
MOS	VII	25 08 39 33.9–.87	11.80N	125.37E	65	5.3b,4.8s			
NEIC	VII	25 08 39 35.5–.51	11.72N	125.49E	71–4	4.7b,4.8s			
DJA	VII	25 08 39 52.0–1.8	12N–8.0	125E–10	208–14	5.2b,4.6			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV PIVS] at Can-Avid, San Julian, Sulat and Taft; [III PIVS] at Borongan, Llorente and Maydolong. Also felt at Calbayog. Felt [III PIVS] at Tacloban, Leyte.

(43) Southern California

ISC	**VII**	**25 10 18 41.1–.91**	**33.93N–.02**	**118.41W–.02**	**13–7**		**124**	**0-12**	
ISCJB	VII	25 10 18 40.7–.36	33.94N–.02	118.41W–.02	13–2				**¶601473943**
NEIC	VII	25 10 18 41.9–.00	33.96N	118.41W	11	3.7L			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=29.9.
NEIC Event type fe. Felt [IV] at Beverly Hills, Inglewood and Los Angeles and [III] in the Long Beach-Pasadena-Woodland Hills area. After PAS.

(193) Bougainville-Solomon Islands region

ISC	**VII**	**25 11 20 27.9–.32**	**9.67S–.03**	**159.86E–.03**	**24–1**	**6.5s,6.4b**	**1578**	**0-174**	
IDC	VII	25 11 20 23.1–.31	9.74S	159.82E	0	6.2s,6.2			**¶601506051**
BJI	VII	25 11 20 25.3	9.64S	159.66E	18	6.5b,6.4s			
ISCJB	VII	25 11 20 26.9–.72	9.69S–.02	159.79E–.02	28–5	6.4s,6.2b			
MOS	VII	25 11 20 27.4–.72	9.67S	159.79E	36	6.5b,6.5s			
NEIC	VII	25 11 20 27.0–.00	9.52S	159.73E	30	6.5b,6.5s			
GCMT	VII	25 11 20 27.0–.10	9.84S	159.71E	25–0	6.5W,6.5s			
NEIC	VII	25 11 20 27.0–.12	9.69S	159.73E	20	6.5s,6.4			

ISC Event type de.
IDC Error ellipse: s-maj=12.0km s-min=8.4km az=98.0.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.9km az=175.8.
MOS Error ellipse: s-maj=7.2km s-min=6.0km az=106.2.
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.18 $M_{r\theta}$4.42 $M_{\theta\phi}$1.68 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s274.00000° ,δ90.00000°,λ-69.00000°. NP2:ϕ_s4.00000°,δ21.00000°,λ-179.00000°. Principal axes: T 4.7200,Plg41.0000°,Azm344.0000°; N 0.0500,Plg20.0000°,Azm93.0000° ; P -4.7800,Plg41.0000°,Azm203.0000° M_o4.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s146,c354; s148,c578;Duration: 4$\hat{s}$1 Moment tensor: Scale 10^{18} Nm; M_{rr}0.16±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$-0.35±.01; $M_{r\theta}$5.60±.06; $M_{\theta\phi}$1.68±.01; $M_{\phi r}$-0.55±.04; Best double couple: NP1:ϕ_s96.00000°,δ89.00000°,λ73.00000°. NP2:ϕ_s3.00000°,δ17.00000° ,λ177.00000°. Principal axes: T 5.8810,Plg43.0000°,Azm350.0000°; N -0.0010,Plg17.0000° ,Azm96.0000°; P -5.8800,Plg42.0000°,Azm202.0000° M_o5.88100×10^{18}
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=3.5km az=98.0. Twenty-six houses destroyed and landslides occurred on the south coast of Guadalcanal. Felt [VI] at Honiara. Also felt on Tulaghi. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a larger one about 3 seconds later. Depth from synthetics of broadband displacement seismograms based on larger event. Energy computed from BB mechanism. Moment Tensor Solution. M_o5.00000×10^{18} Moment Tensor Solution. s69 Moment tensor: Scale 10^{18}Nm; M_{rr}0.14 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.53 $M_{r\theta}$2.67 $M_{\theta\phi}$1.56 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s4.00000°,δ31.00000°,λ178.00000°. NP2:ϕ_s96.00000° ,δ89.00000°,λ59.00000°. Principal axes: T 3.3000,Plg38.0000°,Azm338.0000° ; N -0.3600,Plg31.0000°,Azm96.0000°; P -2.9400,Plg36.0000°,Azm213.0000° M_o3.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s359.00000°,δ10.00000°,λ174.00000°. NP2:ϕ_s95.00000°,δ89.00000°,λ80.00000°. Principal axes: T Plg45.0000°,Azm355.0000°; N Plg0.0000°,Azm0.0000°; P Plg43.0000° ,Azm195.0000°

(259) Mindanao

ISC	**VII**	**25 13 27 53.1–.58**	**5.50N–.03**	**126.48E–.05**	**140–5**	**4.7b**	**351**	**1-162**	
KLM	VII	25 13 27 49.0	5.66N	126.31E	100	4.9b			**¶601473945**
BJI	VII	25 13 27 49.1	5.27N	126.51E	139	5.2b,4.8b			
ISCJB	VII	25 13 27 52.4–.27	5.56N–.02	126.47E–.03	147–2	4.6b,4.8b			
MAN	VII	25 13 27 52.9	5.56N	126.44E	131	5.4b,4.6s			
MOS	VII	25 13 27 52.9–.93	5.53N	126.43E	155	4.6b,4.6s			
NEIC	VII	25 13 27 53.5–.46	5.53N	126.45E	146–4	4.8b,4.6s			
IDC	VII	25 13 27 53.1–1.1	5.54N	126.41E	139–9	4.7,4.3			
DJA	VII	25 13 27 54.4–.30	5N–3.0	126E–2.0	133–3	6.8,5.5			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Davao.

(19) Southeastern Alaska

PGC	**VII**	**25 14 51 40.9–.43**	**59.22N**	**139.53W**	**15**	**3.8L**			
NEIC	VII	25 14 51 40.9–.00	59.22N	139.53W	15	3.8L,3.6L			**¶601472494**

PGC Event type ke. 8km Ssw of Yakutat, Ak Southeastern Alaska.
NEIC Event type fe. Felt at Yakutat. After OTT.

(228) Near east coast of eastern Honshu

ISC	**VII**	**25 16 21 04.5–1.3**	**37.90N–.05**	**141.63E–.09**	**55–10**	**3.8b**	**41**	**1-89**	
NIED	VII	25 16 21 00	37.90N	141.50E	68	3.7W			**¶601666430**
ISCJB	VII	25 16 21 03.3–.70	37.90N–.04	141.66E–.07	66–5	3.7b			
IDC	VII	25 16 21 04.5–2.1	37.95N	141.69E	62–18	3.8,3.6			
JMA	VII	25 16 21 05.0	37.91N	141.54E	60–1	3.8,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ22.00000°,λ48.00000°. NP2:ϕ_s200.00000°,δ74.00000°,λ105.00000°. M_o4.68000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.2km az=19.2.
IDC Error ellipse: s-maj=24.6km s-min=13.1km az=92.0.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**VII**	**25 16 34 21.1–1.9**	**36.34N–.05**	**141.18E–.07**	**14–11**	**3.5b**	**26**	**0-56**	
NIED	VII	25 16 34 00	36.40N	141.00E	53	3.5W			**¶601666431**
IDC	VII	25 16 34 18.9–1.7	36.38N	141.28E	0	3.5,3.5			
JMA	VII	25 16 34 24.7–.10	36.34N	141.00E	46–1	3.5,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ20.00000°,λ151.00000°. NP2:ϕ_s2.00000°,δ80.00000°,λ72.00000°. M_o2.16000×10^{14}
IDC Error ellipse: s-maj=40.0km s-min=21.2km az=84.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(235) Kyushu

ISC	**VII**	**25 17 20 10.8–.27**	**30.97N–.03**	**130.44E–.03**	**140–2**	**4.8b**	**772**	**0-155**	
NIED	VII	25 17 20 00	31.00N	130.40E	130	5.0W			**¶601468519**
BJI	VII	25 17 20 07.4	30.84N	130.65E	135	4.9b,4.9b			
ISCJB	VII	25 17 20 09.8–.17	30.98N–.02	130.41E–.02	140–1	4.7b,4.9b			
MOS	VII	25 17 20 10.6–1.1	31.01N	130.42E	150	4.8b,4.9b			
JMA	VII	25 17 20 11.5–.10	31.00N	130.45E	131–1	4.7,4.9b			
IDC	VII	25 17 20 11.3–.39	31.05N	130.40E	142–2	4.8,4.5			
NEIC	VII	25 17 20 11.1–.12	30.98N	130.35E	137	5.0b,4.5			
GCMT	VII	25 17 20 11.1–.20	31.05N	130.37E	138–2	5.0W,4.5			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ41.00000°,λ166.00000°. NP2:ϕ_s344.00000°,δ81.00000°,λ50.00000°. M_o3.01000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=135.0.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=111.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s336.00000°,δ86.00000°,λ41.00000°. NP2:ϕ_s242.00000°,δ49.00000°,λ174.00000°. Principal axes: T Plg31.0000°,Azm207.0000°; N Plg49.0000°,Azm341.0000°; P Plg24.0000° ,Azm102.0000°
IDC Error ellipse: s-maj=8.0km s-min=6.7km az=97.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=137.0. Felt at Kagoshima, Kanoya, Miyazaki and Nobeoka. Recorded [3 JMA] in Kagoshima and [2 JMA] on Tanega-shima.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s32,c38; s98,c167; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.90±.12 $M_{\theta\theta}$1.01±.11; $M_{\phi\phi}$-1.92±.12; $M_{r\theta}$-1.34±.09; $M_{\theta\phi}$-2.21±.12; $M_{\phi r}$3.14±.10; Best double couple: NP1:ϕ_s347.00000°,δ82.00000° ,λ52.00000°. NP2:ϕ_s247.00000°,δ38.00000°,λ168.00000°. Principal axes: T 4.5360,Plg40.0000°,Azm222.0000°; N -0.3080,Plg37.0000°,Azm353.0000° ; P -4.2340,Plg27.0000°,Azm106.0000° M_o4.38500×10^{16}

(224) Hokkaido region

ISC	**VII**	**25 17 30 02.9–.81**	**42.13N–.05**	**142.78E–.03**	**64–6**	**4.0b**	**64**	**0-70**	
ISCJB	VII	25 17 30 01.6–.40	42.14N–.03	142.80E–.03	71–3	3.9b			**¶601666433**
SKHL	VII	25 17 30 01.8–1.1	42.03N	142.85E	51–3	4.6b			
MOS	VII	25 17 30 01.8–2.8	42.03N	142.85E	51	4.3b			
JMA	VII	25 17 30 02.6–.10	42.19N	142.80E	63–1	3.5			
IDC	VII	25 17 30 03.2–3.5	42.19N	142.90E	76–17	3.8,3.6b			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=156.8.
MOS Error ellipse: s-maj=13.8km s-min=8.9km az=81.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s273.00000°,δ77.00000°,λ-156.00000°. NP2: ϕ_s178.00000°,δ67.00000°,λ-14.00000°. Principal axes: T Plg7.0000°,Azm44.0000° ; N Plg63.0000°,Azm300.0000°; P Plg26.0000°,Azm137.0000°
IDC Error ellipse: s-maj=61.1km s-min=18.3km az=100.0.

(193) Bougainville-Solomon Islands region

ISC	**VII**	**25 21 43 29.6–.33**	**9.73S–.05**	**159.86E–.06**	**32**	**4.9b,4.0s**	**347**	**0-165**	
IDC	VII	25 21 43 24.3–.42	9.71S	159.86E	0	4.9,4.8			**¶601472501**
BJI	VII	25 21 43 25.7	9.34S	159.95E	12	5.0b,5.0b			
MOS	VII	25 21 43 27.0–.96	9.64S	159.60E	22	5.2b,5.0b			
ISCJB	VII	25 21 43 28.5–.16	9.69S–.03	159.68E–.03	32	4.9b,4.0s			
NEIC	VII	25 21 43 28.9–.94	9.73S	159.70E	26–6	5.0b,4.0s			

ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=7.7km az=111.0.

MOS Error ellipse: s-maj=8.9km s-min=7.2km az=80.4.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.1km az=142.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.2km az=133.0. Felt at Honiara.

(227) Eastern Honshu

JMA	**VII**	**25 22 45 26.1**	**37.77N**	**140.01E**	**8–1**	**3.6**		
NIED	VII	25 22 45 00	37.80N	140.00E	8	3.4W		**¶603646346**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ50.00000°,λ41.00000°. NP2:ϕ_s234.00000°,δ60.00000°,λ132.00000°. $M_0$1.58000×10^{14}

(254) Panay

ISC	**VII**	**25 23 48 50.1–1.5**	**10.08N–.04**	**122.00E–.04**	**7–9**	**4.0b,3.2s**	**50**	**1-148**
IDC	VII	25 23 48 49.0–.65	10.03N	122.18E	0	4.1,3.9b		**¶601472673**
MAN	VII	25 23 48 52.8	10.26N	122.04E	19	5.0b,3.9L		
NEIC	VII	25 23 48 56.7–1.5	10.01N	122.13E	60–15	4.2b,3.9L		

ISC Event type fe.
IDC Error ellipse: s-maj=32.0km s-min=14.9km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=8.1km az=62.0. Felt [III PIVS] at Iloilo and [II PIVS] at Anini-y. Also felt [II PIVS] at Jordan, Guimaras Island.

(227) Eastern Honshu

ISC	**VII**	**26 06 00 36.6–1.3**	**37.50N–.04**	**140.05E–.04**	**14–9**	**3.8b**	**30**	**0-91**
ISCJB	VII	26 06 00 37.5–.47	37.53N–.04	140.09E–.04	19–4	3.8b		**¶601472511**
JMA	VII	26 06 00 37.6	37.53N	140.07E	10	4.1		
IDC	VII	26 06 00 42.6–1.8	37.34N	140.02E	57–18	3.8,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=145.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s238.00000°,δ78.00000°,λ-166.00000°. NP2:ϕ_s146.00000°,δ77.00000°,λ-12.00000°. Principal axes: T Plg1.0000°,Azm12.0000°; N Plg72.0000°,Azm279.0000°; P Plg18.0000°,Azm102.0000°
IDC Error ellipse: s-maj=21.8km s-min=12.0km az=84.0.

(159) North Island

ISC	**VII**	**26 06 57 48.5–.52**	**40.54S–.02**	**176.17E–.03**	**30–3**	**4.9b,4.8s**	**301**	**0-179**
BJI	VII	26 06 57 44.1	40.73S	176.80E	32	5.4s,5.3b		**¶601472513**
IDC	VII	26 06 57 44.2–.52	40.31S	175.97E	0	4.8,4.6		
ISCJB	VII	26 06 57 46.7–.27	40.66S–.02	176.34E–.04	38–2	4.9b,4.8s		
WEL	VII	26 06 57 48.0	40.5S–.70	176E–1.0	27–1	5.4L,4.8s		
NEIC	VII	26 06 57 48.5–.00	40.50S	176.14E	28	5.2L,4.9b		
MOS	VII	26 06 57 49.1–1.1	40.32S	175.93E	33	5.1b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=20.3km s-min=14.4km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.4km az=33.2.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Feilding, Lower Hutt, Masterton, Pahiatua, Palmerston North, Wanganui and Wellington. After WEL.
MOS Error ellipse: s-maj=21.4km s-min=13.4km az=40.1.

(228) Near east coast of eastern Honshu

JMA	**VII**	**26 10 28 37.1–.10**	**36.43N**	**140.98E**	**26–2**	**3.5**		**¶603646677**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**26 10 29 59.4–.73**	**36.06N–.04**	**140.27E–.05**	**62–7**	**4.2b**	**80**	**0-91**
ISCJB	VII	26 10 29 59.4–.40	36.07N–.03	140.19E–.05	73–3	4.1b		**¶601476134**
NEIC	VII	26 10 30 00.4–.53	36.07N	140.15E	66–5	4.6b		
JMA	VII	26 10 30 00.9–.10	36.11N	140.11E	63–1	4.1		
NIED	VII	26 10 30 00	36.20N	140.10E	68	4.3W		
IDC	VII	26 10 30 02.8–1.4	36.08N	140.10E	86–13	4.2,3.9		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=5.2km az=172.8.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.7km az=75.0. Recorded [3 JMA] in Ibaraki and Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s52.00000°,δ86.00000°,λ94.00000°. NP2: ϕ_s184.00000°,δ6.00000°,λ42.00000°. Principal axes: T Plg49.0000°,Azm327.0000°; N Plg4.0000°,Azm232.0000°; P Plg41.0000°,Azm138.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ19.00000°,λ20.00000°. NP2:ϕ_s51.00000°,δ84.00000°,λ108.00000°. $M_0$2.75000×10^{15}
IDC Error ellipse: s-maj=14.8km s-min=12.3km az=70.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**26 17 04 03.0–.94**	**35.79N–.05**	**140.60E–.07**	**65–9**	**3.8b**	**30**	**0-67**
NIED	VII	26 17 04 00	35.80N	140.40E	53	3.8W		**¶601666489**
ISCJB	VII	26 17 04 02.4–.66	35.77N–.04	140.54E–.08	76–5	3.7b		
IDC	VII	26 17 04 03.0–2.4	35.80N	140.64E	65–18	3.9,3.7		
JMA	VII	26 17 04 04.6–.10	35.77N	140.34E	65–1	3.5,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s248.00000°,δ76.00000°,λ-171.00000°. NP2:ϕ_s156.00000°,δ81.00000°,λ-14.00000°. $M_0$5.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=6.7km az=167.1.
IDC Error ellipse: s-maj=26.6km s-min=8.6km az=68.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s259.00000°,δ89.00000°,λ-169.00000°. NP2: ϕ_s168.00000°,δ79.00000°,λ-1.00000°. Principal axes: T Plg7.0000°,Azm33.0000°; N Plg79.0000°,Azm262.0000°; P Plg8.0000°,Azm124.0000°

(228) Near east coast of eastern Honshu

ISC	**VII**	**26 17 07 25.3–1.3**	**36.21N–.04**	**141.08E–.05**	**13–9**		**18**	**0-56**
IDC	VII	26 17 07 23.2–1.9	36.28N	141.13E	0	3.3,3.3		**¶601666490**
ISCJB	VII	26 17 07 24.4–.96	36.21N–.04	141.17E–.07	27–6	3.2b,3.3		
JMA	VII	26 17 07 26.3	36.12N	140.97E	37–1	3.2,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=24.9km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.5km az=179.3.
JMA Event type fe.

(65) Off coast of Guerrero

ISC	**VII**	**27 02 23 32.1–1.2**	**16.07N–.07**	**98.22W–.05**	**24–7**	**4.4b,3.7s**	**309**	**0-124**
IDC	VII	27 02 23 27.6–4.6	15.93N	98.12W	0	4.2,3.9		**¶601511857**
MEX	VII	27 02 23 30.6–.81	15.95N	98.32W	16–5	4.2,3.9		
NEIC	VII	27 02 23 30.0–.00	15.95N	98.32W	20	4.5,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=83.5km s-min=26.5km az=5.0.
MEX Error ellipse: s-maj=4.2km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt at Pinotepa Nacional. After MEX.

(228) Near east coast of eastern Honshu

ISC	**VII**	**27 05 32 56.6–1.7**	**36.86N–.06**	**141.2E–.10**	**42–11**	**3.7b**	**23**	**0-79**
NIED	VII	27 05 32 00	36.90N	141.10E	50	3.7W		**¶601666510**
IDC	VII	27 05 32 48.8–2.2	37.00N	141.68E	0	3.8,3.7		
ISCJB	VII	27 05 32 56.2–.97	36.86N–.05	141.11E–.09	51–5	3.7b,3.7s		
JMA	VII	27 05 32 57.0–.10	36.88N	141.06E	50–1	3.5,3.7s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ38.00000°,λ-175.00000°. NP2:ϕ_s217.00000°,δ87.00000°,λ-52.00000°. $M_0$4.44000×10^{14}
IDC Error ellipse: s-maj=53.8km s-min=27.3km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=7.7km az=14.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**27 14 40 02.5–.63**	**35.95N–.04**	**140.26E–.05**	**62–5**	**4.3b**	**167**	**0-148**
BJI	VII	27 14 39 59.1	35.92N	140.58E	77	4.8b,4.6b		**¶603647317**
NIED	VII	27 14 40 00	36.00N	140.10E	65	4.3W,4.6b		
MOS	VII	27 14 40 01.4–1.1	35.98N	140.35E	64	4.5b,4.6b		
ISCJB	VII	27 14 40 02.2–.37	35.92N–.03	140.21E–.04	72–2	4.2b,4.6b		
NEIC	VII	27 14 40 04.1–.53	35.93N	140.16E	73–4	4.5b,4.6b		
IDC	VII	27 14 40 04.4–1.2	35.86N	140.07E	75–11	4.2,4.0		
JMA	VII	27 14 40 04.5–.10	35.97N	140.10E	63–1	3.8,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ26.00000°,λ86.00000°. NP2:ϕ_s14.00000°,δ64.00000°,λ92.00000°. $M_0$2.96000×10^{15}
MOS Error ellipse: s-maj=9.2km s-min=5.6km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.5km az=177.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=87.0. Felt at Kashiwa, Tokyo, Tsuchiara, Tsukuba and Utsunomiya.
IDC Error ellipse: s-maj=15.6km s-min=6.4km az=64.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ62.00000°,λ86.00000°. NP2: ϕ_s195.00000°,δ28.00000°,λ98.00000°. Principal axes: T Plg73.0000°,Azm266.0000°; N Plg4.0000°,Azm8.0000°; P Plg17.0000°,Azm99.0000°

(348) Northern and central Iran

ISC	**VII**	**27 21 39 06.2–.35**	**36.82N–.03**	**51.32E–.02**	**10**	**4.3b,3.5s**	**388**	**1-78**
AZER	VII	27 21 39 03.7–99	36.65N	51.09E	10–0	4.6L,3.5s		**¶601483963**
NEIC	VII	27 21 39 04.5–.00	36.82N	51.34E	6	4.4b,4.2		
THR	VII	27 21 39 04.5–.69	36.82N	51.34E	6–5	4.2L,4.2		
TEH	VII	27 21 39 05.6	36.80N	51.32E	10	4.2L,4.2		
IDC	VII	27 21 39 05.1–.83	36.80N	51.29E	0	4.1,4.0		
ISCJB	VII	27 21 39 05.8–.14	36.83N–.02	51.36E–.02	10	4.2b,3.4s		
CSEM	VII	27 21 39 06.3–.08	36.81N	51.33E	2	4.3b,3.4s		
BJI	VII	27 21 39 06.9	37.34N	51.31E	6	4.5b,4.5b		
MOS	VII	27 21 39 07.8–1.3	37.19N	51.38E	12	4.3b,4.5b		
NNC	VII	27 21 39 15.7–10	37.80N	51.90E	0	4.4b,4.2		

ISC Event type fe.
AZER Error ellipse: s-maj=21.2km s-min=1.7km az=328.0.
NEIC Event type fe. Felt at Now Shahr and Tonekabon. After THR.
THR Error ellipse: s-maj=5.0km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=9.2km az=9.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=43.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=51.0.
MOS Error ellipse: s-maj=6.7km s-min=4.2km az=116.9.
NNC Event type se. Error ellipse: s-maj=86.0km s-min=54.7km az=57.0.

(383) Northwestern Balkan Peninsula

ISC	**VII**	**27 23 12 22.9–.78**	**44.24N–.02**	**17.95E–.02**	**2–5**	**4.6b,3.9s**	**1468**	**1-146**
ISCJB	VII	27 23 12 20.7–.28	44.215N–.01	17.90E–.01	0–2	4.6b,3.9s		**¶605475500**
LDG	VII	27 23 12 21.9–.11	44.26N	17.97E	2	4.6L,3.9s		
IDC	VII	27 23 12 22.0–.46	44.19N	17.84E	0	4.4,4.3		
PDG	VII	27 23 12 22.4–.96	44.20N	17.91E	14–1	4.8L,4.7		
ROM	VII	27 23 12 22.2–.30	44.24N–.01	18.00E–.04	10	4.8L,4.7		
CSEM	VII	27 23 12 22.8–.04	44.19N	17.91E	3	4.8L,4.7b		
MOS	VII	27 23 12 22.3–1.0	44.20N	17.84E	17	4.6b,4.7b		
GCMT	VII	27 23 12 23.8–.50	44.20N	17.83E	23–2	4.7W,4.7b		
NEIC	VII	27 23 12 23.7–.10	44.17N	17.88E	10	4.8L,4.7L		
BJI	VII	27 23 12 23.2	44.20N	17.90E	10	4.9b,4.7s		
SAR	VII	27 23 12 23.2–.19	44.20N	17.90E	6–1	4.9L,4.7s		
BEO	VII	27 23 12 23.2–.30	44.24N	17.90E	7–2	4.8L,4.7s		
PRU	VII	27 23 12 24.2	44.21N	17.92E	9	4.8L,4.7s		
BGR	VII	27 23 12 24.5–1.0	44.29N	18.30E	10	4.9L,4.7s		
TIR	VII	27 23 12 26.7	44.20N	17.92E	6	4.5,4.7s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.1km az=43.8.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=33.0.
IDC Error ellipse: s-maj=9.0km s-min=6.7km az=38.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=39.0.
MOS Error ellipse: s-maj=3.0km s-min=2.4km az=109.1.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s15,c18; s64,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.11 $M_{\theta\theta}$-1.07±.08; $M_{\phi\phi}$0.53±.06; $M_{r\theta}$-0.48±.12; $M_{\theta\phi}$0.70±.05; $M_{\phi r}$-0.04±.10; Best double couple: NP1:ϕ_s252.00000°,δ76.00000°,λ34.00000°. NP2:ϕ_s153.00000°,δ57.00000°,λ164.00000°. Principal axes: T 0.9360,Plg33.0000°,Azm118.0000°; N 0.4930,Plg54.0000°,Azm272.0000°; P -1.4300,Plg13.0000°,Azm19.0000° $M_0$1.18300×10^{16}
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=218.0. Felt [V] at Zenica; [IV] at Banja Luka, Prnjavor, Travnik and Tuzla; [III] at Bugojno, Kobilja Glava and Sarajevo. Felt in much of Bosnia and Herzegovina. Felt [II] at Belgrade, Serbia. Also felt at Loznica and Novi Sad. Felt at Slavonski Brod, Croatia and at Ulcinj, Montenegro. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.23 $M_{\theta\theta}$-3.93 $M_{\phi\phi}$4.15 $M_{r\theta}$-2.39 $M_{\theta\phi}$3.88 $M_{\phi r}$-0.87 Best double couple: NP1:ϕ_s66.00000°,δ88.00000°,λ-24.00000°. NP2:ϕ_s157.00000°,δ66.00000°,λ-178.00000°. Principal axes: T 6.1900,Plg16.0000°,Azm114.0000°; N -0.0700,Plg65.0000°,Azm242.0000°; P -6.1200,Plg18.0000°,Azm19.0000° $M_0$6.20000×10^{15}
BEO Event type ke.
BGR Event type ke. Error ellipse: s-maj=23.3km s-min=12.2km az=62.0.

(228) Near east coast of eastern Honshu

JMA	**VII**	**28 00 08 29.9–.10**	**37.38N**	**141.41E**	**33–1**	**3.5**		**¶603647553**

JMA Event type fe.

(14) Kenai Peninsula

ISC	**VII**	**28 06 01 36.3–.65**	**60.94N–.03**	**150.92W–.03**	**75–6**	**4.2b**	**177**	**0-69**
ISCJB	VII	28 06 01 34.6–.17	60.95N–.02	150.91W–.03	78–2	4.0b		**¶601483977**
IDC	VII	28 06 01 35.0–1.3	60.98N	151.30W	65–14	3.9,3.8		
NEIC	VII	28 06 01 36.6–.00	60.98N	150.96W	68	4.2b,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=161.5.
IDC Error ellipse: s-maj=14.7km s-min=8.7km az=108.0.
NEIC Event type fe. Felt [IV] at Soldotna, [III] at Anchorage and [II] at Kenai. Also felt at Chugiak, Eagle River, Girdwood, Sterling and Willow. After AEIC.

(227) Eastern Honshu

ISC	**VII**	**28 13 17 36.3–.66**	**36.30N–.05**	**139.38E–.06**	**141–5**	**3.9b**	**59**	**0-92**
NIED	VII	28 13 17 00	36.30N	139.40E	145	3.9W		**¶601506072**
ISCJB	VII	28 13 17 35.1–.31	36.25N–.04	139.38E–.06	147–2	3.8b		
JMA	VII	28 13 17 36.8–.10	36.26N	139.42E	137–1	3.9		
IDC	VII	28 13 17 36.3–.62	36.22N	139.32E	143–5	4.0,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ39.00000°,λ143.00000°. NP2:ϕ_s56.00000°,δ68.00000°,λ57.00000°. $M_0$8.94000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=6.0km az=178.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s52.00000°,δ73.00000°,λ62.00000°. NP2: ϕ_s293.00000°,δ32.00000°,λ146.00000°. Principal axes: T Plg54.0000°,Azm288.0000°; N Plg26.0000°,Azm61.0000°; P Plg23.0000°,Azm163.0000°
IDC Error ellipse: s-maj=15.7km s-min=7.6km az=66.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**28 15 27 19.9–2.6**	**36.56N–.04**	**141.19E–.07**	**13–15**	**3.7b**	**32**	**1-92**
NIED	VII	28 15 27 00	36.60N	141.10E	5	3.7W		**¶601666571**
IDC	VII	28 15 27 18.4–1.1	36.47N	141.09E	0	3.7,3.6		
ISCJB	VII	28 15 27 20.1–.97	36.58N–.03	141.19E–.07	20–6	3.5b,3.6		
JMA	VII	28 15 27 21.3–.10	36.58N	141.07E	26–1	3.9,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ62.00000°,λ-14.00000°. NP2:ϕ_s334.00000°,δ77.00000°,λ-152.00000°. $M_0$3.86000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=20.0km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.1km az=18.1.
JMA Event type fe.

(73) El Salvador

ISC	**VII**	**28 16 30 38.6–1.1**	**13.28N–.07**	**89.58W–.07**	**63–7**	**4.1b**	**55**	**0-147**
ISCJB	VII	28 16 30 37.8–.69	13.25N–.07	89.61W–.05	66–5	4.0b		**¶601519880**
UCR	VII	28 16 30 38.5–.88	13.19N	89.60W	36–1	4.2L		
NEIC	VII	28 16 30 39.3–1.6	13.44N	89.57W	35	4.3		
IDC	VII	28 16 30 42.9–2.9	13.60N	88.96W	92–31	4.0,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=6.0km az=35.5.
UCR Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=35.8km s-min=14.2km az=35.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=42.6km s-min=20.0km az=47.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**28 17 26 28.5–.66**	**37.17N–.04**	**141.44E–.05**	**36–1**	**4.2b**	**89**	**0-147**
NIED	VII	28 17 26 00	37.20N	141.40E	32	3.9W		**¶601499051**
BJI	VII	28 17 26 27.3	37.30N	141.20E	36	4.9b,4.4b		
ISCJB	VII	28 17 26 27.9–.56	37.17N–.03	141.45E–.05	50–4	4.2b,4.4b		
NEIC	VII	28 17 26 29.8–.98	37.38N	141.22E	38–10	4.6b,4.4b		
JMA	VII	28 17 26 29.0–.10	37.19N	141.37E	48–1	3.9,4.4b		
IDC	VII	28 17 26 30.1–2.0	37.19N	141.43E	51–18	3.8,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ16.00000°,λ-3.00000°. NP2:ϕ_s241.00000°,δ89.00000°,λ-106.00000°. $M_0$7.48000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=24.8.

NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=8.5km az=140.0. Felt at Iwaki, Namie and Sukagawa. Recorded [2 JMA] in Fukushima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=13.0km az=130.0.

(2) Southern Alaska

ISC	**VII**	**28 19 01 06.7–.43**	**59.40N–.04**	**152.02W–.03**	**63–3**	**4.4b**	**660**	**0-149**
MOS	VII	28 19 01 04.2–.86	59.43N	152.31W	52	4.8b		**¶601484772**
ISCJB	VII	28 19 01 06.1–.17	59.47N–.01	152.06W–.02	68–1	4.4b		
NEIC	VII	28 19 01 07.0–.00	59.38N	152.01W	63	4.4b,4.3L		
IDC	VII	28 19 01 07.5–.53	59.52N	152.23W	62–4	4.3,4.2		

ISC Event type fe.
MOS Error ellipse: s-maj=9.8km s-min=4.2km az=88.4.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=7.8.
NEIC Event type fe. Felt [III] at Homer. Also felt at Anchor Point, Kasilof and Ninilchik. After AEIC.
IDC Error ellipse: s-maj=12.1km s-min=8.7km az=25.0.

(190) New Ireland region

ISC	**VII**	**28 20 03 59.1–.28**	**4.65S–.03**	**153.17E–.03**	**59–1**	**6.3s,6.1b**	**2756**	**1-166**
MOS	VII	28 20 03 55.2–.85	4.64S	153.21E	37	6.4b,6.2s		**¶601506076**
NEIC	VII	28 20 03 56.8–.08	4.65S	153.17E	41	6.5W,6.5W		
ISCJB	VII	28 20 03 56.4–.54	4.63S–.02	153.16E–.01	49–4	6.2s,6.1b		
GCMT	VII	28 20 03 56.8–.10	4.85S	153.07E	58–0	6.5W,6.1b		
IDC	VII	28 20 03 56.4–.76	4.66S	153.23E	34–4	6.0,5.9		
BJI	VII	28 20 03 57.0	4.66S	153.12E	50	6.5b,6.4s		
NEIC	VII	28 20 04 00.0–.00	4.63S	153.27E	60	6.5b,6.4s		
DJA	VII	28 20 04 03.6–.70	5S–3.0	153E–3.0	92–6	6.6,6.5b		
NEIC	VII	28 20 04 17.2–.00	4.80S	152.94E	59	6.6,6.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=5.8km s-min=4.8km az=98.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.5km az=154.0. Felt at Kavieng and Namatanai. Also felt at Kokopo, New Britain. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$6.30000×10^{18} Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}6.96 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$-0.44 $M_{r\theta}$3.85 $M_{\theta\phi}$1.08 $M_{\phi r}$1.78 Best double couple: NP1:ϕ_s293.00000°,δ33.00000°,λ116.00000°. NP2:ϕ_s84.00000°,δ61.00000°,λ74.00000°. Principal axes: T 8.4300,Plg70.0000°,Azm319.0000°; N -0.8400,Plg14.0000°,Azm91.0000° ; P -7.6000,Plg14.0000°,Azm185.0000° $M_0$8.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s279.00000°,δ31.00000°,λ107.00000°. NP2: ϕ_s80.00000°,δ60.00000°,λ80.00000°. Principal axes: T Plg73.0000°,Azm325.0000° ; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm177.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=13.5.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s151,c388; s151,c635;Duration: 4^{s}5 Moment tensor: Scale 10^{19} Nm; M_{rr}0.60±.00 $M_{\theta\theta}$-0.70±.00; $M_{\phi\phi}$0.09±.00; $M_{r\theta}$0.33±.00; $M_{\theta\phi}$0.13±.00; $M_{\phi r}$0.18±.00; Best double couple: NP1:ϕ_s81.00000°,δ60.00000°,λ68.00000°. NP2:ϕ_s299.00000° ,δ36.00000°,λ123.00000°. Principal axes: T 0.7410,Plg67.0000°,Azm308.0000° ; N 0.0440,Plg19.0000°,Azm92.0000°; P -0.7860,Plg13.0000°,Azm186.0000° $M_0$0.76400×10^{19}
IDC Error ellipse: s-maj=10.6km s-min=8.2km az=65.0.
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}5.68 $M_{\theta\theta}$-6.36 $M_{\phi\phi}$0.68 $M_{r\theta}$4.43 $M_{\theta\phi}$1.15 $M_{\phi r}$2.53 Best double couple: NP1:ϕ_s76.00000°,δ66.00000° ,λ68.00000°. NP2:ϕ_s300.00000°,δ32.00000°,λ130.00000°. Principal axes: T 8.1600,Plg62.0000°,Azm310.0000°; N -0.3300,Plg19.0000°,Azm85.0000° ; P -7.8300,Plg17.0000°,Azm182.0000° $M_0$8.00000×10^{18}
NEIC Event type se. Moment Tensor Solution. s104 Moment tensor: Scale 10^{18}Nm; M_{rr}6.20 $M_{\theta\theta}$-6.76 $M_{\phi\phi}$0.57 $M_{r\theta}$2.84 $M_{\theta\phi}$1.56 $M_{\phi r}$1.76 Best double couple: NP1:ϕ_s300.00000° ,δ38.00000°,λ121.00000°. NP2:ϕ_s83.00000°,δ58.00000°,λ68.00000°. Principal axes: T 7.4100,Plg69.0000°,Azm307.0000°; N 0.1200,Plg18.0000°,Azm95.0000° ; P -7.5300,Plg10.0000°,Azm189.0000° $M_0$7.50000×10^{18}

(76) Off coast of central America

UCR	**VII**	**28 21 45 22.2–1.3**	**12.52N**	**88.20W**	**43–73**	**4.1L,4.1b**		**¶601519879**

UCR Error ellipse: s-maj=11.9km s-min=6.3km az=-1.0.

(372) Cyprus region

ISC	**VII**	**28 23 29 49.0–.45**	**34.86N–.02**	**34.32E–.02**	**36–1**	**4.3b,3.3s**	**827**	**0-97**
DDA	VII	28 23 29 43.0	34.75N	34.35E	9	4.5L,3.3s		**¶601484780**
BJI	VII	28 23 29 44.3	34.60N	33.83E	39	5.0b,4.7b		
ISCJB	VII	28 23 29 48.5–.14	34.87N–.01	34.30E–.01	49–2	4.3b,3.6s		
ISK	VII	28 23 29 48.3	34.92N	34.37E	28–0	4.5L,3.6s		
MOS	VII	28 23 29 49.3–1.2	34.89N	34.28E	54	4.3b,3.6s		
NIC	VII	28 23 29 49.0–.40	34.90N	34.43E	44	4.5L,3.6s		
HLW	VII	28 23 29 49.4	34.95N	34.19E	21–15	4.7L,3.6s		
NEIC	VII	28 23 29 49.9–.47	34.82N	34.27E	47–4	4.5L,4.5L		
IDC	VII	28 23 29 49.6–1.4	34.96N	34.28E	41–14	4.2,4.1		
CSEM	VII	28 23 29 49.9–.08	34.88N	34.33E	47–1	4.3b,4.1		
GRAL	VII	28 23 29 50.6–1.5	34.81N	34.33E	35–35	4.5,4.1		
GII	VII	28 23 29 52.1–.17	34.82N	34.33E	32–0	4.3b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=143.4.
ISK Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.4km az=115.1.
NIC Event type fe. Felt I=III MM at Paralimni.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.5km az=178.0. Felt [III] at Paralimni. Also felt at Ayia Napa, Larnaca, Paphos, Paramali and Trikomo. Felt at Baabda, Lebanon.
IDC Error ellipse: s-maj=10.1km s-min=9.0km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=38.0.
GRAL Error ellipse: s-maj=17.3km s-min=10.9km az=-1.0.
GII Event type ke.

(224) Hokkaido region

ISC	**VII**	**29 00 59 32.0–.79**	**41.56N–.04**	**141.91E–.04**	**67–7**	**4.0b**	**50**	**1-145**
NIED	VII	29 00 59 00	41.60N	141.90E	47	3.8W		**¶601666599**
ISCJB	VII	29 00 59 31.1–.36	41.56N–.03	141.90E–.05	74–3	3.8b		
JMA	VII	29 00 59 31.8–.10	41.58N	141.91E	67–2	3.7		
IDC	VII	29 00 59 33.4–1.9	41.64N	141.86E	77–15	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ79.00000°. NP2:ϕ_s23.00000°,δ66.00000°,λ95.00000°. $M_0$5.02000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=33.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ75.00000°,λ94.00000°. NP2: ϕ_s198.00000°,δ15.00000°,λ77.00000°. Principal axes: T Plg60.0000°,Azm307.0000° ; N Plg3.0000°,Azm211.0000°; P Plg30.0000°,Azm119.0000°
IDC Error ellipse: s-maj=20.1km s-min=13.5km az=114.0.

(228) Near east coast of eastern Honshu

JMA	**VII**	**29 01 59 50.5**	**38.18N**	**141.61E**	**61–1**	**3.7**		
NIED	VII	29 01 59 00	38.20N	141.60E	35	3.7W		**¶603648273**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ53.00000°,λ144.00000°. NP2:ϕ_s293.00000°,δ62.00000°,λ43.00000°. $M_0$4.29000×10^{14}

(296) Myanmar

ISC	**VII**	**29 02 21 12.9–.26**	**22.93N–.02**	**94.28E–.02**	**81–1**	**5.7b**	**2143**	**2-166**
BJI	VII	29 02 21 09.6	22.96N	94.24E	60	5.7b,5.7b		**¶601484809**
ISCJB	VII	29 02 21 10.0–.25	22.91N–.01	94.23E–.01	67–2	5.6b,5.7b		
MOS	VII	29 02 21 11.4–1.0	22.91N	94.36E	83	5.8b,5.0s		
NEIC	VII	29 02 21 12.6–.39	22.94N	94.30E	75–3	5.8b,5.7W		
GCMT	VII	29 02 21 12.6–.10	22.83N	94.32E	72–0	5.8W,5.7W		
IDC	VII	29 02 21 13.9–.66	22.95N	94.42E	85–4	5.5,5.2		

ISC Event type fe.
ISCJB Error ellipse: s-maj=2.6km s-min=1.8km az=39.2.
MOS Error ellipse: s-maj=6.0km s-min=3.2km az=123.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=215.0. Felt [III] at Mandalay. Also felt at Falam, Pakokku and Shwebo. Felt [III] at Manipur, India. Also felt at Guwahati, Kolkata and Shillong. Felt at Chittagong and Dhaka, Bangladesh. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-2.16 $M_{\phi\phi}$2.82 $M_{r\theta}$-2.22 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s71.00000°,δ83.00000°,λ-27.00000°. NP2:ϕ_s165.00000° ,δ63.00000°,λ-173.00000°. Principal axes: T 5.1300,Plg14.0000°,Azm121.0000° ; N -0.1900,Plg62.0000°,Azm238.0000°; P -4.9400,Plg24.0000°,Azm25.0000° $M_0$5.00000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s122,c214; s136,c353;Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.38±.05 $M_{\theta\theta}$-0.97±.05; $M_{\phi\phi}$1.35±.05; $M_{r\theta}$-2.33±.04; $M_{\theta\phi}$4.79±.05; $M_{\phi r}$0.08±.04; Best double couple: NP1:ϕ_s82.00000° ,δ85.00000°,λ-25.00000°. NP2:ϕ_s174.00000°,δ65.00000°,λ-175.00000°. Principal axes: T 5.4640,Plg14.0000°,Azm131.0000°; N -0.0010,Plg64.0000°,Azm252.0000° ; P -5.4590,Plg21.0000°,Azm35.0000° $M_0$5.46200×10^{17}
IDC Error ellipse: s-maj=7.9km s-min=5.4km az=45.0.

(259) Mindanao

ISC	**VII**	**29 03 04 40.1–.55**	**7.93N–.03**	**126.71E–.04**	**67–4**	**4.9b**	**560**	**0-171**
BJI	VII	29 03 04 34.0	7.32N	127.04E	83	5.0b,4.9b		**¶601484812**
MAN	VII	29 03 04 38.7	7.86N	126.47E	8	5.6b,5.0s		
DJA	VII	29 03 04 39.9–1.6	8N–4.0	127E–3.0	30–13	5.5,5.4b		
ISCJB	VII	29 03 04 40.1–.39	7.95N–.02	126.67E–.03	82–3	4.8b,5.4b		
IDC	VII	29 03 04 40.9–.88	7.94N	126.47E	73–7	5.0,4.7		
NEIC	VII	29 03 04 42.9–.66	7.94N	126.57E	91–6	4.8b,4.7		
MOS	VII	29 03 04 43.3–.99	8.28N	126.34E	93	5.0b,4.7		
KLM	VII	29 03 04 45.0	7.97N	126.69E	94	4.9b,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=166.0.
IDC Error ellipse: s-maj=10.8km s-min=7.0km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=84.0. Felt [IV PIVS] at Hinatuan and [III PIVS] at Bislig. Also felt at Manat.
MOS Error ellipse: s-maj=9.1km s-min=5.1km az=111.1.

(259) Mindanao

ISC	**VII**	**29 03 27 49.8–.60**	**6.17N–.04**	**125.77E–.05**	**121–5**	**4.4b**	**169**	**0-152**
ISCJB	VII	29 03 27 48.2–.27	6.15N–.02	125.82E–.04	119–2	4.4b		**¶601484813**
IDC	VII	29 03 27 48.2–.74	6.07N	125.48E	112–5	4.4,4.1		
DJA	VII	29 03 27 49.0–.50	6N–5.0	126E–4.0	105–4	5.3b,5.2		
NEIC	VII	29 03 27 50.0–.74	6.18N	125.70E	123–7	4.6b,5.2		
KLM	VII	29 03 27 50.0	6.32N	126.01E	107	4.6b,5.2		
MAN	VII	29 03 27 55.3	6.55N	125.71E	27	5.2b,4.3s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=1.4.
IDC Error ellipse: s-maj=17.2km s-min=8.3km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.6km az=79.0. Felt [I PIVS] at General Santos.

(228) Near east coast of eastern Honshu

ISC	**VII**	**29 05 25 53.2–.68**	**35.68N–.05**	**140.68E–.07**	**45**	**3.9b,3.4s**	**29**	**0-79**
NIED	VII	29 05 25 00	35.70N	140.60E	53	4.1W,3.4s		**¶601506079**
ISCJB	VII	29 05 25 52.3–.54	35.71N–.04	140.74E–.08	45	3.8b,3.1s		
JMA	VII	29 05 25 53.8–.10	35.73N	140.60E	47–1	3.4,3.1s		
IDC	VII	29 05 25 55.7–2.2	35.51N	140.52E	72–19	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ16.00000°,λ89.00000°. NP2:ϕ_s3.00000°,δ74.00000°,λ90.00000°. $M_0$1.38000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.7km az=163.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ83.00000°,λ93.00000°. NP2: ϕ_s180.00000°,δ8.00000°,λ67.00000°. Principal axes: T Plg52.0000°,Azm296.0000° ; N Plg3.0000°,Azm202.0000°; P Plg38.0000°,Azm110.0000°
IDC Error ellipse: s-maj=26.4km s-min=12.2km az=75.0.

(661) Primorye

ISC	**VII**	**29 09 20 55.0–.18**	**47.39N–.02**	**139.13E–.02**	**506–1**	**5.5b**	**3259**	**3-173**
NIED	VII	29 09 20 00	47.20N	139.50E	620	5.7W		**¶601488090**
JMA	VII	29 09 20 52.8–.20	47.19N	139.46E	528	5.7		
MOS	VII	29 09 20 53.3–.82	47.34N	139.17E	498	5.6b		
ISCJB	VII	29 09 20 53.1–.12	47.37N–.01	139.09E–.01	492–1	5.5b		
BJI	VII	29 09 20 53.4	47.35N	139.09E	498	6.0b,5.6b		
SKHL	VII	29 09 20 53.0–.90	47.26N	139.30E	504–8	6.6b,6.5s		
NEIC	VII	29 09 20 54.0–.00	47.26N	139.16E	510	6.6b,6.5s		
NEIC	VII	29 09 20 55.0–.06	47.38N	139.07E	502	5.7W,5.6W		
IDC	VII	29 09 20 55.1–.26	47.36N	139.10E	505–2	5.8,5.0		
GCMT	VII	29 09 20 55.0–.10	47.29N	138.90E	507–1	5.7W,5.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ32.00000°,λ36.00000°. NP2:ϕ_s212.00000°,δ72.00000°,λ117.00000°. $M_0$4.55000×10^{17}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=157.9.
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s214.00000° ,δ52.00000°,λ106.00000°. NP2:ϕ_s8.00000°,δ41.00000°,λ70.00000°. Principal axes: T 3.1000,Plg75.0000°,Azm178.0000°; N -0.3000,Plg12.0000°,Azm23.0000° ; P -2.7900,Plg5.0000°,Azm292.0000° $M_0$3.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=146.0. Felt at Vostochnoye. Recorded [1 JMA] in south-central and northern Hokkaido, Japan. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}3.76 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.34 $M_{r\theta}$-2.33 $M_{\theta\phi}$-1.29 $M_{\phi r}$-0.99 Best double couple: NP1: ϕ_s218.00000°,δ60.00000°,λ119.00000°. NP2:ϕ_s350.00000°,δ41.00000°,λ50.00000°. Principal axes: T 5.0000,Plg63.0000°,Azm176.0000°; N -0.0500,Plg25.0000°,Azm23.0000° ; P -4.9500,Plg11.0000°,Azm288.0000° $M_0$5.00000×10^{17}
IDC Error ellipse: s-maj=4.8km s-min=4.3km az=69.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s123,c234; s61,c64; Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}3.46±.05 $M_{\theta\theta}$0.83±.08; $M_{\phi\phi}$-4.29±.08; $M_{r\theta}$-2.05±.08; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$-1.23±.08; Best double couple: NP1:ϕ_s214.00000° ,δ61.00000°,λ119.00000°. NP2:ϕ_s345.00000°,δ40.00000°,λ49.00000°. Principal axes: T 4.6310,Plg62.0000°,Azm171.0000°; N 0.1230,Plg25.0000°,Azm19.0000° ; P -4.7520,Plg11.0000°,Azm283.0000° $M_0$4.69200×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**29 09 32 28.9–.89**	**38.89N–.05**	**142.68E–.08**	**45–8**	**3.9b**	**41**	**1-129**
NIED	VII	29 09 32 00	38.90N	142.60E	56	3.9W		**¶601666622**
ISCJB	VII	29 09 32 27.4–.94	38.92N–.04	142.70E–.08	44–9	3.9b		
JMA	VII	29 09 32 28.3–.10	38.94N	142.62E	40–1	3.8		
IDC	VII	29 09 32 29.8–.82	38.86N	142.69E	51–7	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ30.00000°,λ93.00000°. NP2:ϕ_s229.00000°,δ60.00000°,λ88.00000°. $M_0$7.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.3km az=12.2.
JMA Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=13.7km az=84.0.

(69) Near coast of Chiapas

ISC	**VII**	**29 12 22 14.6–.52**	**14.24N–.03**	**92.56W–.03**	**41–4**	**5.5s,5.4b**	**1672**	**1-162**
NEIC	VII	29 12 22 11.8–.14	14.19N	92.29W	18	5.9W,5.8W		**¶601484828**
GCMT	VII	29 12 22 11.8–.10	14.20N	92.88W	20–0	5.8W,5.8W		
UCR	VII	29 12 22 12.5–1.3	15.48N	92.28W	36–999	5.6b,4.8L		
ISCJB	VII	29 12 22 12.7–.11	14.29N–.01	92.34W–.01	33	5.5s,5.4b		
MEX	VII	29 12 22 13.7–.88	14.07N	92.75W	16–53	5.7,5.4b		
MOS	VII	29 12 22 14.7–.94	14.43N	92.23W	45	5.6b,5.5s		
NEIC	VII	29 12 22 15.0–.00	14.23N	92.46W	19	5.6b,5.5s		
IDC	VII	29 12 22 17.3–1.8	14.39N	92.24W	61–15	5.4s,5.4		
NEIC	VII	29 12 22 29.0–.00	14.61N	92.59W	30	5.4s,5.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=46.0. Felt at Antigua Guatemala. Also felt at Tapachula and Tuxtla Gutierrez, Mexico. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}4.50 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.16 $M_{\theta\phi}$3.12 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s120.00000°,δ58.00000°,λ79.00000°. NP2:ϕ_s321.00000° ,δ34.00000°,λ107.00000°. Principal axes: T 5.0900,Plg75.0000°,Azm358.0000° ; N 0.8000,Plg10.0000°,Azm126.0000°; P -5.8900,Plg12.0000°,Azm218.0000° $M_0$5.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s300.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s120.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000° ,Azm210.0000°
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s133,c290; s129,c413;Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.66±.06 $M_{\theta\theta}$-4.53±.04; $M_{\phi\phi}$-1.14±.05; $M_{r\theta}$3.00±.09; $M_{\theta\phi}$2.30±.03; $M_{\phi r}$-2.96±.10; Best double couple: NP1: ϕ_s127.00000°,δ63.00000°,λ99.00000°. NP2:ϕ_s287.00000°,δ28.00000°,λ72.00000°. Principal axes: T 7.1470,Plg70.0000°,Azm57.0000°; N -0.1680,Plg8.0000°,Azm303.0000° ; P -6.9890,Plg18.0000°,Azm210.0000° $M_0$7.06800×10^{17}
UCR Error ellipse: s-maj=23.1km s-min=15.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=138.0.
MEX Error ellipse: s-maj=9.8km s-min=8.8km az=-1.0.
MOS Error ellipse: s-maj=6.1km s-min=3.7km az=95.9.

NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}5.49 $M_{\theta\theta}$-4.17 $M_{\phi\phi}$-1.32 $M_{r\theta}$4.61 $M_{\theta\phi}$2.55 $M_{\phi r}$-2.20 Best double couple: NP1:ϕ_s117.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s304.00000°,δ24.00000°,λ96.00000°. Principal axes: T 7.4900,Plg68.0000°,Azm21.0000°; N 0.1500,Plg2.0000°,Azm118.0000° ; P -7.6400,Plg21.0000°,Azm209.0000° $M_0$7.60000×10^{17}
IDC Error ellipse: s-maj=14.5km s-min=7.5km az=53.0.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}6.36 $M_{\theta\theta}$-5.23 $M_{\phi\phi}$-1.13 $M_{r\theta}$1.27 $M_{\theta\phi}$1.54 $M_{\phi r}$-1.02 Best double couple: NP1:ϕ_s284.00000°,δ38.00000°,λ83.00000°. NP2:ϕ_s113.00000°,δ52.00000°,λ95.00000°. Principal axes: T 6.5900,Plg82.0000°,Azm51.0000°; N -0.6600,Plg4.0000°,Azm290.0000° ; P -5.9400,Plg7.0000°,Azm199.0000° $M_0$6.30000×10^{17}

(123) Northern Chile

ISC	**VII**	**29 14 06 00.3–.61**	**18.61S–.05**	**69.35W–.07**	**110–6**	**4.1b**	**55**	**0-165**
ISCJB	VII	29 14 05 59.3–.37	18.57S–.04	69.35W–.05	119–3	4.0b		**¶601494697**
BJI	VII	29 14 06 00.6	18.60S	69.30W	106	4.9b		
NEIC	VII	29 14 06 01.0–.00	18.62S	69.49W	111	4.7b,4.2L		
GUC	VII	29 14 06 01.0–.56	18.62S	69.50W	111–3	4.2L,4.2L		
IDC	VII	29 14 06 03.6–2.1	18.51S	69.14W	134–18	4.1,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.5km az=15.0.
NEIC Event type fe. Felt [II] at Arica. After GUC.
GUC Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=17.1km az=94.0.

(274) Southern Sumatera

ISC	**VII**	**29 14 11 07.4–.62**	**3.95S–.07**	**101.38E–.06**	**34**	**4.4b**	**58**	**1-145**
ISCJB	VII	29 14 11 05.0–.45	4.07S–.05	101.24E–.04	34	4.3b		**¶601484879**
NEIC	VII	29 14 11 08.9–.56	3.97S	101.41E	55–5	4.6b		
DJA	VII	29 14 11 09.1–1.1	4S–3.0	101E–3.0	30–11	5.3b,5.0b		
IDC	VII	29 14 11 10.5–5.4	3.84S	101.59E	58–43	4.7L,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.2km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.4km az=53.0. Felt [III] at Kapahiang.
IDC Error ellipse: s-maj=69.7km s-min=14.5km az=57.0.

(238) Ryukyu Islands

ISC	**VII**	**29 14 56 18.2–.61**	**28.24N–.04**	**128.84E–.04**	**83–5**	**4.2b**	**111**	**0-151**
NIED	VII	29 14 56 00	28.30N	128.80E	77	4.1W		**¶601484832**
BJI	VII	29 14 56 16.8	28.08N	128.89E	96	4.5b,4.3b		
ISCJB	VII	29 14 56 17.5–.21	28.22N–.03	128.86E–.04	90–2	4.1b,4.3b		
JMA	VII	29 14 56 18.6–.10	28.32N	128.77E	68–2	3.8,4.3b		
IDC	VII	29 14 56 19.1–.72	28.25N	128.71E	93–8	4.1,3.9		
NEIC	VII	29 14 56 19.4–.53	28.18N	128.79E	96–5	4.5b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ51.00000°,λ-25.00000°. NP2:ϕ_s94.00000°,δ71.00000°,λ-138.00000°. $M_0$1.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=2.9km az=35.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.8km az=143.0. Recorded [1 JMA] in Kagoshima.

(235) Kyushu

ISC	**VII**	**29 17 33 12.4–.73**	**32.62N–.05**	**131.82E–.04**	**49–6**	**3.7b**	**38**	**0-84**
NIED	VII	29 17 33 00	32.60N	131.90E	47	4.0W		**¶601666636**
ISCJB	VII	29 17 33 11.5–.39	32.62N–.04	131.81E–.04	59–3	3.7b,3.1s		
JMA	VII	29 17 33 12.7	32.62N	131.83E	47–1	3.8,3.1s		
IDC	VII	29 17 33 14.0–1.2	32.61N	131.64E	65–9	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ23.00000°,λ-52.00000°. NP2:ϕ_s163.00000°,δ72.00000°,λ-105.00000°. $M_0$1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=154.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ70.00000°,λ-121.00000°. NP2:ϕ_s48.00000°,δ37.00000°,λ-35.00000°. Principal axes: T Plg19.0000°,Azm280.0000°; N Plg29.0000°,Azm179.0000°; P Plg54.0000° ,Azm38.0000°
IDC Error ellipse: s-maj=18.7km s-min=15.3km az=57.0.

(115) Near coast of Peru

ISC	**VII**	**29 17 35 49.0–.60**	**12.14S–.07**	**77.24W–.07**	**35**	**4.4b,3.7s**	**60**	**0-156**
NEIC	VII	29 17 35 49.0–.00	12.02S	77.20W	58	4.5L,4.5b		**¶601484881**
IDC	VII	29 17 35 50.9–1.3	11.94S	77.16W	49–11	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Callao, Lima and Ricardo Palma and [II] at Huacho, Huaral and San Luis. Also felt at Mala and Santa Eulalia. After ARE.
IDC Error ellipse: s-maj=30.0km s-min=18.3km az=61.0.

(460) Wyoming

ISC	**VII**	**29 18 19 39.0–.67**	**43.90N–.04**	**105.33W–.04**	**0**	**3.9b**	**40**	**1-89**
ISCJB	VII	29 18 19 37.4–.35	43.94N–.03	105.33W–.04	0	3.9b		**¶601666639**
IDC	VII	29 18 19 39.0–.94	43.87N	105.50W	0	3.9b,3.7		
NEIC	VII	29 18 19 38.9–.44	43.88N	105.28W	0	3.5L,3.7		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.7km s-min=3.7km az=136.4.
IDC Error ellipse: s-maj=22.5km s-min=8.3km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=6.5km az=165.0. 48 km [30 miles] SSE of Gillette. Suspected Mining explosion.

(478) Utah

ISC	**VII**	**29 21 58 23.4–.75**	**40.71N–.02**	**112.44W–.03**	**0**		**50**	**0-13**
NEIC	VII	29 21 58 23.8–.61	40.72N	112.54W	0	2.6L		**¶601666645**
ISCJB	VII	29 21 58 24.0–.38	40.72N–.02	112.37W–.04	0	2.6L		
IDC	VII	29 21 58 34.1–1.2	41.46N	112.15W	0	3.1,3.0		

ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=10.6km s-min=5.6km az=83.0. 29 km [18 miles] NW of Tooele. Suspected Mining explosion.
ISCJB Event type fm. Error ellipse: s-maj=4.4km s-min=3.0km az=175.6.
IDC Error ellipse: s-maj=27.2km s-min=8.7km az=145.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**29 22 05 06.6–.28**	**39.14N–.02**	**142.46E–.03**	**31–1**	**5.4b,5.2s**	**1797**	**1-159**
NIED	VII	29 22 05 00	39.10N	142.50E	32	5.4W,5.2s		**¶601484887**
ISCJB	VII	29 22 05 05.9–.42	39.08N–.02	142.40E–.01	33–2	5.3b,5.1s		
JMA	VII	29 22 05 05.2–.10	39.10N	142.47E	34–1	5.5,5.1s		
BJI	VII	29 22 05 06.0	39.05N	142.31E	43	5.3,5.3s		
MOS	VII	29 22 05 06.9–.94	39.20N	142.35E	39	5.5b,5.4s		
IDC	VII	29 22 05 08.5–1.0	39.08N	142.37E	44–9	5.1,4.9		
GCMT	VII	29 22 05 09.2–.10	39.17N	142.31E	34–0	5.4W,4.9		
NEIC	VII	29 22 05 09.2–.38	39.08N	142.32E	49–3	5.4b,5.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s292.00000°,δ21.00000°,λ-149.00000°. NP2:ϕ_s173.00000°,δ79.00000°,λ-72.00000°. $M_0$1.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=160.5.
JMA Event type fe.
MOS Error ellipse: s-maj=5.4km s-min=3.6km az=104.3.
IDC Error ellipse: s-maj=7.9km s-min=6.6km az=93.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s116,c217; s128,c251; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36±.02 $M_{\theta\theta}$0.44±.01; $M_{\phi\phi}$0.91±.01; $M_{r\theta}$0.42±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$1.27±.02; Best double couple: NP1:ϕ_s181.00000°,δ69.00000° ,λ-73.00000°. NP2:ϕ_s320.00000°,δ27.00000°,λ-127.00000°. Principal axes: T 1.5230,Plg22.0000°,Azm258.0000°; N 0.5250,Plg16.0000°,Azm354.0000° ; P -2.0490,Plg62.0000°,Azm118.0000° $M_0$1.78600×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=145.0. Felt [II] at Sendai. Also felt at Akita, Aomori, Fukushima, Hachinohe, Ishinomaki, Kesennuma, Kitakami, Misawa, Miyako, Morioka, Shiwa, Wakuya and Yokote. Recorded [4 JMA] in Iwate and Miyagi. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.17 $M_{\phi\phi}$0.69 $M_{r\theta}$0.13 $M_{\theta\phi}$0.03 $M_{\phi r}$1.00 Best double couple: NP1:ϕ_s2.00000°,δ19.00000°,λ-94.00000°. NP2: ϕ_s186.00000°,δ71.00000°,λ-89.00000°. Principal axes: T 1.1800,Plg26.0000°,Azm275.0000° ; N 0.1700,Plg1.0000°,Azm6.0000°; P -1.3600,Plg64.0000°,Azm99.0000° $M_0$1.30000×10^{17}

(228) Near east coast of eastern Honshu

JMA	**VII**	**29 22 10 09.9–.10**	**39.15N**	**142.41E**	**33–1**	**3.6**		
								¶603648730

JMA Event type fe.

(60) Oaxaca

ISC	**VII**	**29 23 10 33.8–1.1**	**16.28N–.06**	**98.05W–.05**	**15–6**	**4.5b**	**424**	**0-124**
NEIC	VII	29 23 10 30.9–.40	16.06N	97.74W	10	4.4b,4.2		**¶601494711**
MEX	VII	29 23 10 35.0–.46	16.26N	98.09W	4–3	4.1,4.2		
IDC	VII	29 23 10 38.1–4.1	16.34N	97.89W	44–31	3.9,3.9		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=173.0. Felt at Puebla. Moment Tensor Solution. s7 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.05 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.95 $M_{\theta\phi}$1.33 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s280.00000°,δ77.00000°,λ-54.00000°. NP2: ϕ_s28.00000°,δ38.00000°,λ-158.00000°. Principal axes: T 2.7200,Plg23.0000°,Azm344.0000° ; N 0.2500,Plg35.0000°,Azm91.0000°; P -2.9700,Plg46.0000°,Azm227.0000° $M_0$2.90000×10^{15}
MEX Error ellipse: s-maj=3.0km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=47.1km s-min=19.9km az=17.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**30 00 48 03.5–2.1**	**39.11N–.04**	**142.44E–.08**	**11–12**	**4.0b,3.5s**	**36**	**1-85**
NIED	VII	30 00 48 00	39.10N	142.50E	38	4.1W,3.5s		**¶601650750**
JMA	VII	30 00 48 05.9–.10	39.15N	142.42E	33–1	4.2,3.5s		
IDC	VII	30 00 48 08.1–2.2	39.03N	142.47E	47–22	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ41.00000°,λ-30.00000°. NP2:ϕ_s249.00000°,δ71.00000°,λ-127.00000°. $M_0$1.82000×10^{15}
JMA Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=14.0km az=97.0.

(221) Kuril Islands

ISC	**VII**	**30 01 29 19.3–.52**	**50.40N–.05**	**156.76E–.05**	**85–4**	**4.4b**	**482**	**1-146**
KRSC	VII	30 01 29 15.5–2.2	50.24N	156.97E	75–20	5.2L		**¶601485564**
MOS	VII	30 01 29 17.6–1.1	50.37N	156.59E	77	4.9b		
BJI	VII	30 01 29 17.1	50.80N	157.06E	105	4.6b,4.5b		
ISCJB	VII	30 01 29 19.1–.40	50.50N–.04	156.52E–.04	92–3	4.3b,4.5b		
SKHL	VII	30 01 29 19.3–.40	50.36N	156.77E	77–5	5.3b,4.5b		
IDC	VII	30 01 29 19.3–.45	50.54N	156.25E	80–4	4.2,4.1		
NEIC	VII	30 01 29 21.2–.57	50.61N	156.27E	97–5	4.6b,4.1		

ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=9.9km s-min=3.2km az=76.6. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=148.1.
SKHL Event type fe. Felt (II-III) at Severo-Kurilsk.
IDC Error ellipse: s-maj=11.0km s-min=7.4km az=131.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.6km az=149.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**30 02 16 49.5–2.1**	**39.13N–.07**	**142.4E–.10**	**32–13**	**3.9b**	**22**	**1-59**
NIED	VII	30 02 16 00	39.10N	142.40E	62	3.6W		**¶601650751**
ISCJB	VII	30 02 16 48.1–1.2	39.07N–.05	142.50E–.08	30–6	3.6b		
JMA	VII	30 02 16 49.4–.10	39.10N	142.42E	33–1	3.5		
IDC	VII	30 02 16 54.0–5.0	39.04N	142.40E	74–47	3.4,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s98.00000°,δ75.00000°,λ2.00000°. NP2: ϕ_s8.00000°,δ88.00000°,λ165.00000°. $M_0$2.98000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=7.6km az=11.6.
JMA Event type fe.
IDC Error ellipse: s-maj=44.3km s-min=30.1km az=98.0.

(238) Ryukyu Islands

ISC	**VII**	**30 02 22 43.3–1.2**	**29.47N–.03**	**130.13E–.05**	**6–10**		**34**	**0-53**
ISCJB	VII	30 02 22 45.2–.66	29.52N–.04	130.17E–.06	24–7	3.5b		**¶601650752**
JMA	VII	30 02 22 45.4–.10	29.57N	130.15E	25–2	3.4		
IDC	VII	30 02 22 48.3–4.8	29.92N	128.58E	66–24	3.5,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=3.5km az=32.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=139.2km s-min=10.2km az=109.0.

(402) North Atlantic Ocean

ISC	**VII**	**30 03 34 58.4–.44**	**43.79N–.05**	**14.73W–.04**	**10**	**4.0b,3.4s**	**641**	**4-147**
IDC	VII	30 03 34 56.7–.73	43.78N	15.09W	0	6.8L,4.0		**¶601485568**
CSEM	VII	30 03 34 57.8–.11	43.93N	14.95W	10	5.8b,3.1s		
PDA	VII	30 03 34 58.3	43.88N	14.97W	10	4.5b,3.1s		
NEIC	VII	30 03 34 59.0–.53	43.94N	14.79W	10	4.0b,3.1s		
SFS	VII	30 03 35 01.0	43.85N	14.90W	0	4.7L,3.1s		
MDD	VII	30 03 35 01.4–.96	43.95N	14.91W	49	5.8b,3.1s		
IGIL	VII	30 03 35 04.6	43.77N	14.91W	28	5.1L,3.1s		
LDG	VII	30 03 35 04.5–.35	43.97N	14.61W	51–2	5.5L,4.8		
INMG	VII	30 03 35 05.8–2.2	43.79N	14.91W	26–14	4.9L,4.2		
CNRM	VII	30 03 35 17.4	42.36N	14.35W	10	4.9L,4.2		
BGS	VII	30 03 35 45.0–1.6	46.75N	12.10W	10	4.8L,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=15.2km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=137.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=1.0.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=9.8km s-min=7.2km az=116.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=102.0.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=78.0.
BGS Error ellipse: s-maj=365.3km s-min=450.5km az=-1.0.

(105) Near coast of Ecuador

ISC	**VII**	**30 05 19 44.7–1.6**	**1.92S–.04**	**80.86W–.05**	**27–11**	**4.8b,4.1s**	**898**	**1-149**
IDC	VII	30 05 19 40.5–.50	1.87S	80.80W	0	4.6,4.5		**¶601485570**
ISCJB	VII	30 05 19 43.6–.17	1.94S–.02	80.92W–.01	33	4.8b,4.1s		
IGQ	VII	30 05 19 44.1–.60	2S–3.0	81W–4.0	10	5.3,5.3		
GCMT	VII	30 05 19 46.9–.30	2.01S	80.99W	24–1	5.0W,5.3		
NEIC	VII	30 05 19 46.9–.50	1.90S	80.75W	47–4	4.9W,4.8b		
BJI	VII	30 05 19 47.2	1.90S	80.70W	30	5.3b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=10.7km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=8.8.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s23,c28; s84,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.28±.14 $M_{\theta\theta}$2.85±.10; $M_{\phi\phi}$-3.12±.13; $M_{r\theta}$0.66±.12; $M_{\theta\phi}$-0.41±.08; $M_{\phi r}$-1.69±.19; Best double couple: NP1:ϕ_s319.00000°,δ87.00000° ,λ-29.00000°. NP2:ϕ_s51.00000°,δ61.00000°,λ-177.00000°. Principal axes: T 3.1250,Plg18.0000°,Azm9.0000°; N 0.7040,Plg61.0000°,Azm134.0000° ; P -3.8200,Plg22.0000°,Azm271.0000° $M_0$3.47200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=59.0. Felt [IV] at Guayaquil, Jipijapa and Salinas. Also felt at Cuenca, La Libertad, Manta, Pajan, Samborondon and Santa Elena.

(383) Northwestern Balkan Peninsula

ISC	**VII**	**30 09 01 16.9–.94**	**44.23N–.02**	**17.89E–.01**	**4–6**	**4.2b,3.6s**	**1050**	**1-125**
TIR	VII	30 09 01 01.1	44.73N	19.55E	6	4.3,3.6s		**¶601485572**
BJI	VII	30 09 01 15.5	44.20N	17.80E	8	4.9b,4.6b		
MOS	VII	30 09 01 16.2–.99	44.20N	17.79E	12	4.6b,4.6b		
IDC	VII	30 09 01 16.7–.56	44.28N	17.90E	0	4.1L,4.0		
BEO	VII	30 09 01 17.1–.30	44.20N	17.87E	9–3	4.4L,4.0		
CSEM	VII	30 09 01 17.0–.06	44.23N	17.89E	2	4.7L,4.5b		
SAR	VII	30 09 01 17.1–.20	44.17N	17.87E	5–1	4.6L,4.5b		
PDG	VII	30 09 01 17.4–.38	44.15N	17.99E	9–0	4.5,4.3L		
LDG	VII	30 09 01 17.0–.08	44.26N	17.96E	2	4.5L,3.3s		
ROM	VII	30 09 01 17.4–.13	44.233N–.01	17.96E–.02	10	4.6L,3.3s		
NEIC	VII	30 09 01 18.4–.87	44.24N	17.85E	12–6	4.4b,4.2W		
PRU	VII	30 09 01 20.3	44.20N	17.89E	20	4.4b,4.2W		

ISC Event type fe.
MOS Error ellipse: s-maj=4.0km s-min=2.7km az=108.6.
IDC Error ellipse: s-maj=9.8km s-min=7.6km az=35.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=40.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=28.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=211.0. Felt at Jajce, Sarajevo and Zenica. Also felt at Slavonski Brod, Croatia. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}0.30 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.20 $M_{\phi r}$0.86 Best double couple: NP1: ϕ_s345.00000°,δ90.00000°,λ160.00000°. NP2:ϕ_s76.00000°,δ70.00000°,λ0.00000°. Principal axes: T 2.5000,Plg15.0000°,Azm299.0000°; N 0.3400,Plg70.0000°,Azm164.0000° ; P -2.8400,Plg14.0000°,Azm32.0000° $M_0$2.70000×10^{15}

(249) Luzon

ISC	**VII**	**30 15 43 29.2–1.2**	**17.86N–.04**	**120.61E–.04**	**6–7**	**4.4b,3.5s**	**105**	**0-117**
IDC	VII	30 15 43 27.0–.51	17.56N	120.85E	0	4.2,4.1		**¶601494719**
MAN	VII	30 15 43 26.1	18.01N	120.44E	1	5.5b,4.7s		
ISCJB	VII	30 15 43 29.3–.76	17.85N–.03	120.61E–.03	11–5	4.3b,3.5s		
BJI	VII	30 15 43 33.4	18.25N	120.47E	8	4.6b,4.4b		
MOS	VII	30 15 43 34.8–.93	17.63N	120.80E	75	4.7b,4.4b		
NEIC	VII	30 15 43 36.0–1.2	17.62N	120.73E	68–12	4.4b,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.7km s-min=11.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.2km az=31.9.
MOS Error ellipse: s-maj=12.1km s-min=6.4km az=104.7.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=6.3km az=96.0. Felt [III PIVS] at Badoc, Currimao and Pinili; [II PIVS] at Laoag, Paoay, San Nicolas, Sinait and Vigan.

(228) Near east coast of eastern Honshu

ISC	**VII**	**30 17 17 39.9–.62**	**37.99N–.04**	**141.92E–.05**	**26–3**	**4.2b,3.0s**	**100**	**1-146**
NIED	VII	30 17 17 00	38.00N	141.70E	53	4.2W,3.0s		**¶601497402**
BJI	VII	30 17 17 36.5	38.00N	142.20E	30	4.6b,4.5b		
MOS	VII	30 17 17 39.4–1.0	37.96N	142.03E	44	4.5b,4.5b		
ISCJB	VII	30 17 17 40.3–.59	38.00N–.03	141.89E–.05	45–5	4.1b,3.2s		
IDC	VII	30 17 17 42.2–.70	38.05N	141.74E	44–5	4.0,4.0		
NEIC	VII	30 17 17 42.6–.95	38.03N	141.80E	49–8	4.8b,4.0		
JMA	VII	30 17 17 42.7–.10	38.04N	141.68E	49–1	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S270.00000°,δ25.00000°,λ-139.00000°. NP2:ϕ_S143.00000°,δ74.00000°,λ-70.00000°. $M_0$2.43000×10^{15}
MOS Error ellipse: s-maj=10.0km s-min=7.1km az=86.6.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=23.5.
IDC Error ellipse: s-maj=15.0km s-min=12.8km az=112.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=7.0km az=123.0. Recorded [2 JMA] in Miyagi.
JMA Event type fe.

(230) Near south coast of eastern Honshu

ISC	**VII**	**30 18 05 17.2–1.2**	**34.40N–.04**	**138.57E–.03**	**14–10**	**3.4b**	**30**	**0-58**
NIED	VII	30 18 05 00	34.50N	138.60E	14	3.6W		**¶601650782**
IDC	VII	30 18 05 15.7–1.0	34.26N	138.49E	0	3.5,3.3		
ISCJB	VII	30 18 05 17.4–.71	34.40N–.04	138.55E–.04	12–5	3.2b,3.3		
JMA	VII	30 18 05 18.2	34.46N	138.61E	27–2	3.3,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S41.00000°,δ38.00000°,λ28.00000°. NP2:ϕ_S288.00000°,δ73.00000°,λ124.00000°. $M_0$2.76000×10^{14}
IDC Error ellipse: s-maj=31.0km s-min=14.6km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=31.7.
JMA Event type fe.

(478) Utah

ISC	**VII**	**30 19 04 58.8–1.1**	**40.96N–.07**	**112.92W–.06**	**0**		**9**	**1-8**
ISCJB	VII	30 19 04 59.3–.89	41.01N–.09	112.9W–.10	0			**¶601650785**
NEIC	VII	30 19 04 59.5–.75	40.96N	112.88W	0	1.8L		
IDC	VII	30 19 05 02.6–1.0	41.21N	112.78W	0	2.9L,2.6		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=14.9km s-min=10.8km az=142.7.
NEIC Event type fm. Error ellipse: s-maj=15.5km s-min=8.6km az=144.0. 67 km [41 miles] NW of Tooele. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.4km s-min=7.0km az=147.0.

(499) Oklahoma

ISC	**VII**	**30 19 35 06.7–1.4**	**35.53N–.05**	**96.81W–.04**	**11–10**		**63**	**1-23**
NEIC	VII	30 19 35 06.0–.00	35.50N	96.82W	5	3.4L		**¶601706337**

ISC Event type fe.
NEIC Event type fe. Felt [III] at Meeker and [II] at Shawnee. Also felt at Earlsboro, Lawton, Muskogee, Norman, Oklahoma City, Prague, Sparks, Stillwater and Tulsa. Felt at Springdale, Arkansas; Joplin, Missouri; Derby and South Haven, Kansas. After TUL.

(230) Near south coast of eastern Honshu

ISC	**VII**	**30 21 16 30.8–.79**	**35.75N–.05**	**139.94E–.07**	**84–7**	**3.7b**	**35**	**0-92**
NIED	VII	30 21 16 00	35.80N	139.90E	80	3.8W		**¶601650789**
ISCJB	VII	30 21 16 30.3–.45	35.69N–.04	139.84E–.07	95–4	3.7b		
JMA	VII	30 21 16 31.0–.20	35.76N	139.89E	84–2	3.9		
IDC	VII	30 21 16 31.7–1.1	35.65N	139.81E	93–10	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S46.00000°,δ41.00000°,λ-168.00000°. NP2:ϕ_S307.00000°,δ82.00000°,λ-49.00000°. $M_0$5.95000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.7km az=160.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S310.00000°,δ88.00000°,λ-53.00000°. NP2: ϕ_S43.00000°,δ37.00000°,λ-177.00000°. Principal axes: T Plg33.0000°,Azm10.0000° ; N Plg37.0000°,Azm129.0000°; P Plg36.0000°,Azm252.0000°
IDC Error ellipse: s-maj=20.3km s-min=6.4km az=68.0.

(326) Southwestern Siberia

ISC	**VII**	**30 22 30 43.6–.37**	**50.65N–.02**	**87.34E–.02**	**15–2**	**4.9b,4.5s**	**1011**	**0-162**
ISCJB	VII	30 22 30 40.0–.48	50.64N–.01	87.35E–.02	3–3	4.8b,4.5s		**¶601497413**
IDC	VII	30 22 30 40.7–.34	50.63N	87.49E	0	4.7,4.6		
MOS	VII	30 22 30 41.4–1.1	50.54N	87.35E	13	5.1b,4.6s		
BJI	VII	30 22 30 41.2	50.62N	87.35E	14	5.8L,5.4s		
ASRS	VII	30 22 30 42.5–.55	50.59N	87.39E	15	5.1s,5.4s		
GCMT	VII	30 22 30 44.1–.20	50.61N	87.36E	26–0	5.1W,5.4s		
NEIC	VII	30 22 30 44.1–1.6	50.63N	87.34E	19–9	4.9b,5.4s		
NNC	VII	30 22 30 45.3–2.4	50.63N	86.85E	0	5.9,5.8b		
SOME	VII	30 22 30 53.8	50.12N	87.60E	15	5.9,5.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=156.1.
IDC Error ellipse: s-maj=8.2km s-min=6.8km az=174.0.
MOS Error ellipse: s-maj=4.9km s-min=3.9km az=124.1.
GCMT Event type fe. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s60,c77; s107,c195; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.14 $M_{\theta\theta}$-5.63±.11; $M_{\phi\phi}$5.13±.11; $M_{r\theta}$-1.24±.24; $M_{\theta\phi}$1.31±.09; $M_{\phi r}$-0.69±.21; Best double couple: NP1:ϕ_S52.00000°,δ90.00000° ,λ-14.00000°. NP2:ϕ_S142.00000°,δ76.00000°,λ-180.00000°. Principal axes: T 5.4310,Plg10.0000°,Azm98.0000°; N 0.5590,Plg76.0000°,Azm231.0000° ; P -5.9930,Plg10.0000°,Azm6.0000° $M_0$5.71200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=176.0. Felt at Abaza and Biysk.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=12.1km az=77.0.

(212) Bonin Islands region

ISC	**VII**	**31 00 40 34.9–.72**	**26.26N–.08**	**141.9E–.10**	**40**	**3.8b**	**29**	**0-150**
NIED	VII	31 00 40 00	26.30N	142.10E	5	4.4W		**¶601521011**
IDC	VII	31 00 40 29.4–.67	26.30N	141.65E	0	4.1,3.9b		
ISCJB	VII	31 00 40 33.4–.56	26.29N–.06	141.70E–.07	40	3.8b,2.8s		
NEIC	VII	31 00 40 33.5–3.9	26.29N	141.63E	28–27	4.0b,2.8s		
JMA	VII	31 00 40 36.3–.10	26.34N	142.07E	46	4.1,2.8s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S164.00000°,δ8.00000°,λ80.00000°. NP2:ϕ_S353.00000°,δ82.00000°,λ91.00000°. $M_0$4.45000×10^{15}
IDC Error ellipse: s-maj=24.3km s-min=16.6km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=6.1km az=37.4.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=11.4km az=134.0. Recorded [1 JMA] in the Hahajima-retto.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.

(103) Colombia

ISC	**VII**	**31 01 26 37.7–.57**	**4.54N–.03**	**75.99W–.03**	**44–5**	**4.5b,3.4s**	**358**	**0-95**
ISCJB	VII	31 01 26 38.2–.26	4.54N–.02	75.95W–.03	66–3	4.4b,3.4s		**¶601497418**
NEIC	VII	31 01 26 39.8–.37	4.56N	75.92W	63–4	4.5b,4.2L		
RSNC	VII	31 01 26 39.0–1.2	4.55N	75.99W	17–4	4.2W,4.2L		
IDC	VII	31 01 26 41.5–1.4	4.50N	75.89W	88–12	4.1,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.6km az=7.5.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=76.0. Felt [IV] at Armenia and Pereira and [II] at Cali. Also felt at Bogota, Calarca, Manizales and Marsella.
RSNC Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=14.0km s-min=10.6km az=58.0.

(221) Kuril Islands

ISC	**VII**	**31 01 35 49.9–1.2**	**50.17N–.08**	**156.74E–.07**	**51–11**	**3.8b,3.1s**	**111**	**1-89**
MOS	VII	31 01 35 49.8–.82	50.23N	156.53E	65	3.9b,3.1s		**¶601498269**
KRSC	VII	31 01 35 49.7–2.0	50.25N	157.11E	42–21	4.6L,3.1s		
SKHL	VII	31 01 35 51.5–.40	50.40N	156.30E	77–2	5.4b,3.1s		
IDC	VII	31 01 35 55.6–2.4	50.75N	156.25E	95–21	3.8,3.8		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=19.4km s-min=4.6km az=75.5. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
SKHL Event type fe. Felt (II-III) at Severo-Kurilsk.
IDC Error ellipse: s-maj=28.3km s-min=13.1km az=156.0.

(478) Utah

ISC	**VII**	**31 10 27 30.6–.58**	**39.02N–.03**	**111.44W–.02**	**10**		**169**	**0-33**
NEIC	VII	31 10 27 28.4–.00	39.01N	111.50W	1	3.9W,3.9b		**¶601650815**
IDC	VII	31 10 27 29.9–.76	39.08N	111.36W	0	3.7,3.6b		
ISCJB	VII	31 10 27 30.3–.16	39.07N–.02	111.46W–.02	10	3.8b,3.0s		

ISC Event type fe.
NEIC Event type fe. Felt at Farmington, Salina and Salt Lake City. After SLC. Moment Tensor Solution. s67 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.27 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$5.39 $M_{r\theta}$0.58 $M_{\theta\phi}$0.48 $M_{\phi r}$7.75 Best double couple: NP1:ϕ_S184.00000°,δ73.00000°,λ-90.00000°. NP2:ϕ_S6.00000° ,δ17.00000°,λ-89.00000°. Principal axes: T 9.5200,Plg28.0000°,Azm275.0000° ; N -0.1600,Plg0.0000°,Azm185.0000°; P -9.3500,Plg62.0000°,Azm94.0000° $M_0$9.40000×10^{14}
ISCJB Event type fe.

(39) Central California

ISC	**VII**	**31 13 06 25.5–1.0**	**35.53N–.02**	**117.51W–.02**	**5–10**		**92**	**0-4**
NEIC	VII	31 13 06 26.0–.00	35.53N	117.51W	8	2.9L		**¶601713596**

ISC Event type fe.
NEIC Event type fe. Felt at Apple Valley. After PAS.

(478) Utah

ISC	**VII**	**31 17 28 32.9–1.3**	**41.15N–.10**	**112.90W–.06**	**0**		**6**	**1-8**
NEIC	VII	31 17 28 34.6–.98	41.01N	112.55W	0	1.4L		**¶601650839**
IDC	VII	31 17 28 34.5–3.7	41.13N	112.99W	0	3.0L,2.5		

ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=16.8km s-min=12.6km az=90.0. 54 km [33 miles] WSW of Ogden. Suspected Mining explosion.
IDC Error ellipse: s-maj=68.0km s-min=26.8km az=147.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**31 18 44 50.7–1.5**	**38.86N–.05**	**142.2E–.10**	**47–12**	**3.8b**	**48**	**0-59**
NIED	VII	31 18 44 00	38.90N	142.00E	53	3.7W		**¶601650843**
IDC	VII	31 18 44 41.9–2.2	39.05N	142.85E	0	3.8b,3.8		
ISCJB	VII	31 18 44 49.9–.80	38.90N–.04	142.17E–.08	54–5	4.0b,3.8		
JMA	VII	31 18 44 52.0–.10	38.88N	141.98E	49–1	3.6,3.8		
NEIC	VII	31 18 44 52.3–.76	38.88N	142.29E	71–6	4.4b,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S180.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_S20.00000°,δ63.00000°,λ99.00000°. $M_0$3.47000×10^{14}
IDC Error ellipse: s-maj=52.0km s-min=27.8km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.7km az=13.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.8km az=110.0.

(460) Wyoming

ISC	**VII**	**31 20 01 50.8–.98**	**43.72N–.05**	**105.39W–.05**	**0**		**57**	**1-14**
ISCJB	VII	31 20 01 49.3–.45	43.68N–.03	105.31W–.05	0			**¶601650846**
NEIC	VII	31 20 01 50.5–.35	43.71N	105.27W	0	3.4L		
IDC	VII	31 20 01 50.1–1.2	43.94N	105.62W	0	3.4,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.4km az=160.6.
NEIC Event type fm. Error ellipse: s-maj=4.7km s-min=4.0km az=78.0. 67 km [42 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.9km s-min=10.1km az=150.0.

(115) Near coast of Peru

ISC	**VII**	**31 22 34 41.6–.47**	**14.40S–.05**	**76.18W–.08**	**29**	**4.4b,3.6s**	**79**	**2-158**
IDC	VII	31 22 34 37.9–.55	14.40S	76.10W	0	4.3,4.2		**¶601498057**
ISCJB	VII	31 22 34 39.9–.37	14.51S–.05	76.12W–.06	29	4.3b,3.8s		
NEIC	VII	31 22 34 42.7–.36	14.39S	76.04W	35	4.5L,4.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=11.4km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.8km az=147.2.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=6.1km az=52.0. Felt [II] at Ica and Pisco.

(265) Minahassa Peninsula, Sulawesi

ISC	**VIII**	**01 00 20 38.7–.87**	**1.36N–.04**	**124.68E–.05**	**55–8**	**4.6b,3.8s**	**197**	**1-169**
BJI	VIII	01 00 20 33.9	0.98N	124.57E	40	5.2b,4.8b		**¶601498062**
DJA	VIII	01 00 20 34.7–.70	2N–3.0	125E–2.0	18–5	5.4b,5.1		
ISCJB	VIII	01 00 20 36.4–.50	1.35N–.03	124.64E–.03	49–5	4.5b,3.8s		
NEIC	VIII	01 00 20 38.0–.58	1.31N	124.59E	51–5	4.7b,3.8s		
IDC	VIII	01 00 20 38.2–1.9	1.36N	124.55E	53–16	4.5,4.5L		
KLM	VIII	01 00 20 39.0	1.28N	124.72E	64	5.2b,4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=34.8.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=61.0. Felt [III] at Manado. Also felt at Tomohon.
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=73.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**01 04 03 57.6–1.1**	**36.43N–.06**	**140.77E–.07**	**51–7**	**3.5b**	**27**	**0-56**
NIED	VIII	01 04 03 00	36.40N	140.70E	44	3.5W		**¶601765300**
ISCJB	VIII	01 04 03 56.6–.77	36.42N–.05	140.76E–.06	56–4	3.5b		
JMA	VIII	01 04 03 57.7–.10	36.42N	140.67E	53–1	3.5		
IDC	VIII	01 04 04 00.7–4.3	36.40N	140.54E	79–39	3.4,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S159.00000°,δ42.00000°,λ66.00000°. NP2:ϕ_S10.00000°,δ53.00000°,λ110.00000°. $M_0$1.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=6.5km az=43.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S19.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_S196.00000°,δ24.00000°,λ88.00000°. Principal axes: T Plg69.0000°,Azm291.0000°; N Plg1.0000°,Azm198.0000°; P Plg21.0000° ,Azm108.0000°
IDC Error ellipse: s-maj=45.9km s-min=29.6km az=95.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**01 04 28 14.3–.99**	**37.12N–.05**	**141.16E–.07**	**51–7**	**3.5b,2.6s**	**42**	**0-147**
NIED	VIII	01 04 28 00	37.10N	141.20E	59	3.7W,2.6s		**¶601765301**
ISCJB	VIII	01 04 28 13.2–.59	37.10N–.04	141.17E–.06	58–4	3.6b,2.5s		
JMA	VIII	01 04 28 14.9–.10	37.14N	141.06E	55–1	3.9,2.5s		
IDC	VIII	01 04 28 15.5–2.3	37.13N	141.16E	62–20	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S207.00000°,δ19.00000°,λ62.00000°. NP2:ϕ_S57.00000°,δ73.00000°,λ99.00000°. $M_0$4.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.0km az=25.8.
JMA Event type fe.
IDC Error ellipse: s-maj=20.0km s-min=17.3km az=145.0.

(238) Ryukyu Islands

JMA	**VIII**	**01 05 14 50.8–.10**	**28.65N**	**129.58E**	**13–2**	**3.5**		**¶606005302**

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

(228) Near east coast of eastern Honshu

ISC	**VIII**	**01 13 42 58.0–2.0**	**37.33N–.04**	**141.96E–.07**	**4–11**	**3.6b,3.2s**	**37**	**1-82**
IDC	VIII	01 13 42 57.5–.96	37.31N	141.94E	0	3.8,3.7		**¶601499060**
NIED	VIII	01 13 43 00	37.30N	141.90E	23	3.6W,3.7		
JMA	VIII	01 13 43 02.2–.20	37.33N	141.81E	43–3	3.9,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=15.4km az=101.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S196.00000°,δ24.00000°,λ19.00000°. NP2:ϕ_S89.00000°,δ83.00000°,λ112.00000°. $M_0$3.06000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**01 14 37 43.5–.69**	**38.88N–.04**	**142.01E–.07**	**61–4**	**4.3b**	**99**	**0-89**
NIED	VIII	01 14 37 00	38.90N	142.00E	50	4.1W		**¶601499061**
BJI	VIII	01 14 37 38.4	38.69N	142.55E	76	5.0b,4.6b		
ISCJB	VIII	01 14 37 41.0–.61	38.89N–.03	142.06E–.06	56–4	4.3b,3.4s		
JMA	VIII	01 14 37 42.2–.10	38.89N	141.98E	50–1	4.0,3.4s		
NEIC	VIII	01 14 37 43.8–.48	38.86N	142.13E	74	4.7b,3.4s		
IDC	VIII	01 14 37 44.1–.79	38.90N	142.06E	71–5	4.1,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S179.00000°,δ18.00000°,λ67.00000°. NP2:ϕ_S23.00000°,δ74.00000°,λ97.00000°. $M_0$1.41000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.7km az=18.4.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.4km az=118.0. Felt [II] at Sendai. Recorded [1 JMA] in Miyagi.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=109.0.

(207) Eastern New Guinea region

ISC	**VIII**	**01 14 51 59.2–.39**	**5.40S–.05**	**146.75E–.06**	**250**	**4.0b**	**65**	**3-147**
BJI	VIII	01 14 51 55.7	5.58S	147.26E	242	4.8b,4.4b		**¶601499063**
ISCJB	VIII	01 14 51 58.6–.29	5.38S–.04	146.82E–.06	250	4.0b,4.4b		
IDC	VIII	01 14 51 58.1–.50	5.41S	146.73E	230–4	4.4,3.8		
NEIC	VIII	01 14 51 59.6–.51	5.38S	146.78E	245–6	4.6b,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=9.8.
IDC Error ellipse: s-maj=11.6km s-min=6.5km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=5.7km az=116.0. Felt at Kainantu.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**01 22 03 54.4–.10**	**36.75N**	**141.15E**	**40–1**	**3.5**		
NIED	VIII	01 22 03 00	36.70N	141.20E	80	3.6W		**¶603650103**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ39.00000°,λ76.00000°. NP2:ϕ_s32.00000°,δ52.00000°,λ102.00000°. M_o3.12000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**01 23 26 51.2–1.9**	**39.37N–.04**	**143.03E–.06**	**10–11**	**3.9b,3.1s**	**42**	**1-144**
NIED	VIII	01 23 26 00	39.40N	143.00E	32	3.9W,3.1s		**¶601765327**
JMA	VIII	01 23 26 52.8–.10	39.42N	143.00E	28–2	4.0,3.1s		
IDC	VIII	01 23 26 56.5–2.4	39.34N	142.88E	50–23	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ40.00000°,λ-56.00000°. NP2:ϕ_s258.00000°,δ58.00000°,λ-115.00000°. M_o8.14000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.1km az=86.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**02 00 52 57.4–1.0**	**39.61N–.04**	**142.21E–.07**	**50–8**	**4.0b**	**59**	**0-81**
NIED	VIII	02 00 52 00	39.60N	142.10E	50	3.9W		**¶601511879**
ISCJB	VIII	02 00 52 56.4–.66	39.64N–.03	142.22E–.08	54–4	4.0b,3.0s		
NEIC	VIII	02 00 52 56.9–1.6	39.52N	142.55E	67–8	4.3b,3.0s		
JMA	VIII	02 00 52 58.1	39.64N	142.11E	48–1	3.8,3.0s		
IDC	VIII	02 00 52 59.4–2.0	39.68N	142.22E	69–17	4.0,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ20.00000°,λ102.00000°. NP2:ϕ_s14.00000°,δ70.00000°,λ85.00000°. M_o7.13000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.2km az=13.5.
NEIC Event type fe. Error ellipse: s-maj=34.6km s-min=7.2km az=121.0. Recorded [2 JMA] in Iwate.
JMA Event type fe.
IDC Error ellipse: s-maj=20.9km s-min=12.1km az=102.0.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**02 01 34 50.4**	**36.65N**	**140.60E**	**7**	**3.6**		**¶606005701**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s159.00000°,δ74.00000°,λ-101.00000°. NP2:ϕ_s14.00000°,δ19.00000°,λ-57.00000°. Principal axes: T Plg28.0000°,Azm258.0000°; N Plg10.0000°,Azm162.0000°; P Plg60.0000° ,Azm54.0000°

(228) Near east coast of eastern Honshu

ISC	**VIII**	**02 02 01 54.4–1.9**	**38.23N–.04**	**142.15E–.08**	**7–11**	**3.6b**	**28**	**1-58**
NIED	VIII	02 02 01 00	38.30N	142.10E	41	3.7W		**¶601765332**
ISCJB	VIII	02 02 01 55.8–1.3	38.26N–.04	142.21E–.08	19–7	3.4b		
JMA	VIII	02 02 01 58.3–.10	38.33N	142.12E	36–1	3.9		
IDC	VIII	02 02 02 04.5–8.8	38.27N	142.09E	84–68	3.4,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s108.00000°,δ65.00000°,λ-25.00000°. NP2:ϕ_s209.00000°,δ68.00000°,λ-153.00000°. M_o3.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=6.2km az=19.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=66.2km s-min=25.8km az=68.0.

(281) Tanimbar Islands region

ISC	**VIII**	**02 07 37 42.7–.20**	**6.92S–.03**	**131.22E–.03**	**47**	**5.3b,4.4s**	**657**	**1-158**
BJI	VIII	02 07 37 38.3	7.24S	131.37E	44	5.5b,5.5b		**¶601503311**
MOS	VIII	02 07 37 39.6–.91	6.85S	131.09E	28	5.5b,4.2s		
ISCJB	VIII	02 07 37 41.1–.14	6.97S–.02	131.20E–.02	47	5.3b,4.4s		
IDC	VIII	02 07 37 44.0–1.3	6.93S	131.10E	52–10	5.2,4.9		
DJA	VIII	02 07 37 44.5–.20	7S–2.0	131E–2.0	60–3	6.4,6.0b		
NEIC	VIII	02 07 37 45.2–.15	6.94S	131.12E	65	5.5W,5.4b		
GCMT	VIII	02 07 37 46.2–.10	6.88S–.01	131.17E–.01	83–1	5.5W,5.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Saumlaki. Felt at Coonawarra and Darwin, Australia. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.32 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.53 $M_{\theta\phi}$2.07 $M_{\theta r}$0.44 Best double couple: NP1:ϕ_s164.00000°,δ84.00000°,λ-168.00000°. NP2: ϕ_s73.00000°,δ78.00000°,λ-6.00000°. Principal axes: T 2.2900,Plg4.0000°,Azm298.0000° ; N 0.4600,Plg77.0000°,Azm191.0000°; P -2.7500,Plg12.0000°,Azm29.0000° M_o2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c170; s111,c171;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.03 $M_{\theta\theta}$-1.71±.03; $M_{\phi\phi}$1.40±.03; $M_{r\theta}$0.00±.03; $M_{\theta\phi}$1.54±.03; $M_{\theta r}$0.44±.03; Best double couple: NP1:ϕ_s337.00000°,δ84.00000°,λ168.00000°. NP2:ϕ_s68.00000°,δ79.00000°,λ6.00000°. Principal axes: T 2.1240,Plg13.0000° ,Azm292.0000°; N 0.2280,Plg77.0000°,Azm128.0000°; P -2.3540,Plg4.0000°,Azm23.0000° M_o2.23900×10^{17}

(112) Peru-Brazil border region

ISC	**VIII**	**02 09 38 31.3–.20**	**8.45S–.03**	**74.27W–.04**	**149–1**	**5.8b**	**2111**	**4-173**
MOS	VIII	02 09 38 29.9–1.1	8.35S	74.37W	143	5.7b		**¶601506103**
ISCJB	VIII	02 09 38 30.3–.37	8.37S–.01	74.35W–.02	154–3	5.8b		
BJI	VIII	02 09 38 30.5	8.40S	74.20W	143	5.8b		
NEIC	VIII	02 09 38 30.9–.32	8.41S	74.26W	145–3	6.4L,6.1W		
NEIC	VIII	02 09 38 31.0–.00	8.38S	74.14W	150	6.4L,6.1W		
GCMT	VIII	02 09 38 31.9–.10	8.58S–.01	74.36W–.01	150–0	6.0W,6.1W		
IDC	VIII	02 09 38 31.4–.24	8.41S	74.29W	148–1	5.7,5.4		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=153.9.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=65.0. Felt [IV] at Huanuco and Pucallpa, [III] at Trujillo and [II] at Lima. Also felt at Huacho, Laredo, Oxapampa, Quilmana, San Luis and Tingo Maria. Felt at Cruzeiro do Sul, Brazil. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.34 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.28 $M_{\phi r}$-1.10 Best double couple: NP1: ϕ_s13.00000°,δ66.00000°,λ-94.00000°. NP2:ϕ_s204.00000°,δ24.00000°,λ-80.00000°. Principal axes: T 1.5200,Plg21.0000°,Azm107.0000°; N 0.2600,Plg4.0000°,Azm15.0000° ; P -1.7800,Plg68.0000°,Azm275.0000° M_o1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s355.00000°,δ53.00000°,λ-106.00000°. NP2: ϕ_s200.00000°,δ40.00000°,λ-70.00000°. Principal axes: T Plg7.0000°,Azm96.0000° ; N Plg0.0000°,Azm0.0000°; P Plg76.0000°,Azm213.0000°
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.28 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.13 Best double couple: NP1:ϕ_s12.00000° ,δ70.00000°,λ-100.00000°. NP2:ϕ_s221.00000°,δ23.00000°,λ-63.00000°. Principal axes: T 1.4300,Plg24.0000°,Azm110.0000°; N 0.1400,Plg10.0000°,Azm16.0000° ; P -1.5700,Plg63.0000°,Azm264.0000° M_o1.50000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c280; s137,c461; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.03±.01 $M_{\theta\theta}$0.23±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-0.95±.01; Best double couple: NP1:ϕ_s16.00000°,δ67.00000° ,λ-101.00000°. NP2:ϕ_s222.00000°,δ26.00000°,λ-66.00000°. Principal axes: T 1.4110,Plg21.0000°,Azm114.0000°; N 0.0300,Plg10.0000°,Azm20.0000° ; P -1.4360,Plg67.0000°,Azm266.0000° M_o1.42300×10^{18}
IDC Error ellipse: s-maj=8.2km s-min=6.2km az=69.0.

(137) San Juan Province

ISC	**VIII**	**02 15 01 30.4–1.2**	**31.86S–.03**	**68.88W–.03**	**12–9**		**35**	**0-69**
IDC	VIII	02 15 01 29.3–1.5	32.07S	69.20W	0	4.0,3.8L		**¶601717625**
SJA	VIII	02 15 01 30.9–.60	31.88S	68.90W	15–2	4.1W,3.3L		
ISCJB	VIII	02 15 01 31.5–.59	31.90S–.03	68.83W–.04	3–5	3.9b,3.3L		
NEIC	VIII	02 15 01 32.0–3.8	31.86S	68.58W	20–37	4.3b,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=34.0km s-min=29.7km az=82.0.
SJA Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=17.7.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=8.7km az=96.0. Felt [III] at San Juan.

(70) Guatemala

ISC	**VIII**	**02 15 36 29.0–1.9**	**14.52N–.05**	**89.11W–.05**	**1–12**	**4.7b,3.6s**	**569**	**0-146**
UCR	VIII	02 15 36 27.0–1.1	14.49N	89.12W	6–11	4.6b,4.0L		**¶601511888**
ISCJB	VIII	02 15 36 28.2–.14	14.49N–.02	89.09W–.02	10	4.6b,3.5s		
IDC	VIII	02 15 36 28.3–.77	14.50N	89.30W	0	4.4,4.3b		
NEIC	VIII	02 15 36 33.6–1.1	14.58N	89.01W	25–8	4.6b,4.3b		

ISC Event type fe.
UCR Error ellipse: s-maj=6.9km s-min=3.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=159.0.
IDC Error ellipse: s-maj=28.5km s-min=14.2km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=220.0. Felt at Copan, Ojos de Agua, Pena Blanca, Quimistan, San Pedro Sula and Santa Rosa de Copan. Felt [I] at Metapan, El Salvador.

(91) Virgin Islands

ISC	**VIII**	**02 17 42 43.6–.72**	**18.59N–.04**	**64.56W–.02**	**54–5**	**4.3b**	**148**	**0-74**
TRN	VIII	02 17 42 42.5	18.59N	64.57W	49	4.3b		**¶601511889**
ISCJB	VIII	02 17 42 43.1–.34	18.57N–.04	64.55W–.02	62–3	4.0b		
NEIC	VIII	02 17 42 45.2–.00	18.62N	64.59W	48	4.0		
IDC	VIII	02 17 42 45.2–1.4	18.47N	64.48W	70–15	4.0,3.9		
RSPR	VIII	02 17 42 45.2	18.62N	64.59W	48–1	4.0,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=2.5km az=12.4.
NEIC Event type fe. Felt [IV] on Saint Thomas, [III] on Saint John and Tortola and [II] on Saint Croix. Also felt at Bayamon, Puerto Rico. After RSPR.
IDC Error ellipse: s-maj=19.4km s-min=8.0km az=21.0.
RSPR Event type ke.

(49) Gulf of California

ISC	**VIII**	**02 22 13 16.8–.44**	**25.02N–.04**	**109.62W–.05**	**10**	**5.0b,4.1s**	**774**	**1-99**
IDC	VIII	02 22 13 14.8–.61	24.99N	109.66W	0	4.7,4.5		**¶601513199**
ISCJB	VIII	02 22 13 17.0–.27	25.10N–.03	109.31W–.02	10	4.9b,4.1s		
MEX	VIII	02 22 13 17.4–.51	25.07N	109.64W	16–18	4.6,4.1s		
GCMT	VIII	02 22 13 18.6–.30	25.10N–.01	109.61W–.02	21–1	5.0W,4.1s		
NEIC	VIII	02 22 13 18.6–.39	25.00N	109.39W	10	4.8b,4.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.6km s-min=9.2km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=24.8.
MEX Error ellipse: s-maj=3.1km s-min=3.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c53; s104,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.13 $M_{\theta\theta}$-3.75±.11; $M_{\phi\phi}$4.19±.12; $M_{r\theta}$-0.80±.19; $M_{\theta\phi}$-0.55±.09; $M_{\phi r}$0.74±.19; Best double couple: NP1:ϕ_s131.00000°,δ88.00000°,λ-165.00000°. NP2:ϕ_s41.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 4.3600,Plg10.0000° ,Azm265.0000°; N -0.4050,Plg74.0000°,Azm138.0000°; P -3.9490,Plg12.0000° ,Azm357.0000° M_o4.15500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.0km az=210.0. Felt at Los Mochis, Sinaloa.

(233) Near south coast of western Honshu

ISC	**VIII**	**03 05 55 22.2–.87**	**33.97N–.04**	**135.65E–.03**	**56–6**	**3.6b**	**36**	**0-54**
NIED	VIII	03 05 55 00	34.00N	135.70E	62	4.0W		**¶601765386**
IDC	VIII	03 05 55 15.6–1.2	33.83N	135.37E	0	3.7,3.7		
ISCJB	VIII	03 05 55 21.2–.43	33.97N–.03	135.66E–.03	63–4	3.5b,3.7		
JMA	VIII	03 05 55 22.2	33.98N	135.63E	59–1	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s82.00000°,δ69.00000°,λ-172.00000°. NP2:ϕ_s349.00000°,δ82.00000°,λ-21.00000°. M_o9.63000×10^{14}
IDC Error ellipse: s-maj=28.7km s-min=21.9km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=170.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s173.00000°,δ89.00000°,λ19.00000°. NP2:ϕ_s82.00000°,δ71.00000°,λ179.00000°. Principal axes: T Plg14.0000°,Azm39.0000°; N Plg71.0000°,Azm177.0000°; P Plg12.0000° ,Azm306.0000°

(221) Kuril Islands

ISC	**VIII**	**03 08 36 21.3–1.1**	**43.67N–.06**	**147.48E–.06**	**42–9**	**3.9b**	**85**	**1-82**
NIED	VIII	03 08 36 00	43.60N	147.50E	50	4.0W		**¶601765392**
JMA	VIII	03 08 36 18.6–.30	43.56N	147.51E	16	4.2		
MOS	VIII	03 08 36 19.4–1.1	43.61N	147.54E	50	4.3b		
ISCJB	VIII	03 08 36 19.9–.71	43.66N–.05	147.57E–.06	47–6	4.2s,3.8b		
SKHL	VIII	03 08 36 19.9–.10	43.56N	147.63E	50–5	4.0b,3.8b		
IDC	VIII	03 08 36 22.8–2.5	43.73N	147.41E	56–23	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ25.00000°,λ-52.00000°. NP2:ϕ_s300.00000°,δ71.00000°,λ-106.00000°. M_o1.06000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=7.9km az=79.1. Felt (II) at Malokuril'skoye. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.4km az=143.3.
SKHL Event type fe. Felt (II) at Shikotan.
IDC Error ellipse: s-maj=18.6km s-min=13.7km az=142.0.

(229) Off east coast of Honshu

ISC	**VIII**	**03 10 00 43.5–.52**	**39.41N–.04**	**143.63E–.04**	**28–3**	**4.8b,4.7s**	**565**	**1-144**
NIED	VIII	03 10 00 00	39.40N	143.70E	11	4.7W,4.7s		**¶601534028**
IDC	VIII	03 10 00 39.1–.49	39.29N	143.61E	0	4.7,4.7		
ISCJB	VIII	03 10 00 40.4–.72	39.43N–.02	143.49E–.02	11–4	4.7b,4.6s		
JMA	VIII	03 10 00 41.4–.20	39.36N	143.67E	44	5.0,4.6s		
BJI	VIII	03 10 00 42.9	39.40N	143.28E	24	5.3b,5.1b		
MOS	VIII	03 10 00 44.5–1.0	39.58N	143.40E	37	5.0b,4.3s		
NEIC	VIII	03 10 00 44.5–.99	39.37N	143.47E	30–7	4.7b,4.3s		
GCMT	VIII	03 10 00 45.5–.40	39.46N–.04	143.74E–.03	21–1	4.9W,4.3s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ32.00000°,λ73.00000°. NP2:ϕ_s20.00000°,δ60.00000°,λ100.00000°. M_o1.50000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Iwate.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s63,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83±.18 $M_{\theta\theta}$-0.24±.10; $M_{\phi\phi}$-1.59±.11; $M_{r\theta}$0.43±.21; $M_{\theta\phi}$-0.49±.07; $M_{\phi r}$1.61±.18; Best double couple: NP1:ϕ_s16.00000°,δ67.00000°,λ89.00000°. NP2:ϕ_s200.00000°,δ24.00000°,λ93.00000°. Principal axes: T 2.4880,Plg68.0000° ,Azm283.0000°; N -0.0830,Plg1.0000°,Azm17.0000°; P -2.4030,Plg21.0000°,Azm107.0000° M_o2.44500×10^{16}

(366) Turkey

ISC	**VIII**	**03 10 18 21.5–.88**	**38.69N–.01**	**28.04E–.01**	**8–6**	**4.1b,3.5s**	**708**	**0-79**
HLW	VIII	03 10 18 18.4	38.78N	28.05E	11–12	4.8L,4.5		**¶601514492**
ISCJB	VIII	03 10 18 20.5–.29	38.705N–.01	28.06E–.01	11–2	4.2b,3.7s		
GII	VIII	03 10 18 20.8–.00	38.35N	27.89E	5	4.2b,3.7s		
ATH	VIII	03 10 18 20.7	38.66N	27.96E	20–1	4.5L,3.7s		
DDA	VIII	03 10 18 20.2	38.72N	28.07E	23	4.6L,3.7s		
ISK	VIII	03 10 18 20.2	38.70N	28.03E	7–0	4.6L,3.7s		
IDC	VIII	03 10 18 20.2–.72	38.61N	28.09E	0	4.3L,4.1		
NEIC	VIII	03 10 18 20.2–.00	38.71N	28.03E	5	4.6L,4.6L		
THE	VIII	03 10 18 21.3	38.68N	28.02E	0–0	4.4L,4.6L		
MOS	VIII	03 10 18 21.8–1.2	38.69N	28.10E	23	4.3b,4.6L		
PDG	VIII	03 10 18 21.3–.70	38.76N	28.07E	11–1	4.6L,4.6L		
BEO	VIII	03 10 18 27.4–1.1	39.13N	27.83E	0	4.2L,4.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=38.6.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=97.0.
DDA Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=11.9km az=41.0.
NEIC Event type fe. Felt at Izmir. After ISK.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=58.0.
MOS Error ellipse: s-maj=4.8km s-min=3.3km az=98.8.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.

BEO Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 10 21 18.1–.35**	**39.32N–.03**	**142.11E–.04**	**51–2**	**4.8b,4.3s**	**520**	**0-145**	
NIED	VIII	03 10 21 00	39.30N	142.10E	53	4.9W,4.3s			**¶601514493**
MOS	VIII	03 10 21 14.5–.93	39.27N	141.93E	31	5.1b,4.2s			
BJI	VIII	03 10 21 15.4	39.21N	142.23E	60	5.1b,4.9b			
IDC	VIII	03 10 21 18.9–1.6	39.33N	141.98E	55–14	4.5,4.4			
JMA	VIII	03 10 21 18.1	39.34N	142.09E	48–1	4.8,4.4			
ISCJB	VIII	03 10 21 18.4–.28	39.37N–.02	141.93E–.03	57–2	4.8b,4.2s			
GCMT	VIII	03 10 21 19.7–.30	39.46N–.02	142.07E–.03	47–1	5.0W,4.2s			
NEIC	VIII	03 10 21 20.7–.38	39.35N	141.88E	66–3	4.8b,4.2s			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ16.00000°,λ75.00000°. NP2:ϕ_s23.00000°,δ74.00000°,λ94.00000°. M_o2.50000×10^{16}

MOS Error ellipse: s-maj=7.8km s-min=4.1km az=109.2.

IDC Error ellipse: s-maj=12.3km s-min=9.1km az=113.0.

JMA Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=42.4.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c59; s86,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.18 $M_{\theta\theta}$-0.84±.11; $M_{\phi\phi}$-2.38±.11; $M_{r\theta}$0.99±.09; $M_{\theta\phi}$-0.77±.08; $M_{\phi r}$2.04±.09; Best double couple: NP1:ϕ_s24.00000°,δ64.00000°,λ91.00000°. NP2:ϕ_s201.00000°,δ26.00000°,λ87.00000°. Principal axes: T 3.9890,Plg71.0000° ,Azm297.0000°; N -0.5290,Plg1.0000°,Azm204.0000°; P -3.4640,Plg19.0000° ,Azm113.0000° M_o3.72700×10^{16}

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=147.0. Felt at Ishinomaki and Morioka. Recorded [3 JMA] in Iwate.

(218) Near east coast of Kamchatka Peninsula

ISC	**VIII**	**03 10 45 43.8–.51**	**52.02N–.04**	**158.79E–.04**	**59–4**	**4.8b,3.8s**	**930**	**0-145**	
BJI	VIII	03 10 45 40.3	52.28N	159.07E	65	5.0b,4.8b			**¶601518018**
KRSC	VIII	03 10 45 41.0–1.7	51.94N	158.96E	50–16	5.3L,4.8b			
MOS	VIII	03 10 45 42.3–1.2	51.96N	158.63E	59	4.9b,4.8b			
ISCJB	VIII	03 10 45 44.2–.28	52.12N–.02	158.61E–.03	76–2	4.6b,4.8b			
NEIC	VIII	03 10 45 44.6–.12	52.20N	158.53E	60	4.8b,4.8b			
IDC	VIII	03 10 45 45.8–1.1	52.21N	158.53E	72–8	4.6,4.5			

ISC Event type se.

KRSC Event type se.

MOS Event type fe. Error ellipse: s-maj=7.2km s-min=3.0km az=82.6. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=150.1.

NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=162.0.

IDC Error ellipse: s-maj=12.0km s-min=8.5km az=147.0.

(227) Eastern Honshu

ISC	**VIII**	**03 13 19 36.8–.68**	**36.01N–.04**	**139.95E–.04**	**50–6**	**4.6b,3.9s**	**225**	**0-148**	
NIED	VIII	03 13 19 00	36.10N	139.90E	56	4.7W,3.9s			**¶601518023**
BJI	VIII	03 13 19 31.7	35.63N	140.18E	50	5.0b,4.7b			
ISCJB	VIII	03 13 19 35.8–.34	36.01N–.03	139.94E–.03	56–2	4.6b,3.9s			
MOS	VIII	03 13 19 36.0–1.0	36.05N	139.88E	55	4.9b,3.9s			
JMA	VIII	03 13 19 37.3–.10	36.03N	139.90E	43–1	4.6,3.9s			
IDC	VIII	03 13 19 37.9–1.6	35.99N	139.77E	57–14	4.4,4.3			
NEIC	VIII	03 13 19 38.9–.59	35.96N	139.78E	68–5	4.8b,4.3			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s287.00000°,δ37.00000°,λ147.00000°. NP2:ϕ_s45.00000°,δ71.00000°,λ58.00000°. M_o1.36000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.1km az=29.5.

MOS Error ellipse: s-maj=8.8km s-min=4.9km az=114.8.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s48.00000°,δ67.00000°,λ85.00000°. NP2: ϕ_s241.00000°,δ23.00000°,λ102.00000°. Principal axes: T Plg67.0000°,Azm309.0000° ; N Plg5.0000°,Azm50.0000°; P Plg22.0000°,Azm142.0000°

IDC Error ellipse: s-maj=12.4km s-min=10.7km az=103.0.

NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=5.3km az=102.0. Felt [IV] at Tsuchiura, [III] at Saitama and [II] at Tokyo. Felt throughout east-central Honshu. Recorded [4 JMA] in Ibaraki and Tochigi.

(2) Southern Alaska

ISC	**VIII**	**03 15 48 27.8–.76**	**59.88N–.03**	**152.23W–.03**	**88–6**	**4.0b**	**134**	**0-65**	
ISCJB	VIII	03 15 48 26.5–.21	59.87N–.02	152.16W–.04	92–2	4.0b			**¶601706360**
IDC	VIII	03 15 48 26.4–1.6	59.95N	152.39W	64–24	4.0,4.0L			
NEIC	VIII	03 15 48 28.8–.00	59.86N	152.24W	80	3.3L,4.0L			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=43.5.

IDC Error ellipse: s-maj=28.6km s-min=9.8km az=113.0.

NEIC Event type fe. Felt at Anchor Point. After AEIC.

(115) Near coast of Peru

ISC	**VIII**	**03 18 03 17.0–.35**	**16.26S–.05**	**72.72W–.07**	**83–3**	**4.5b**	**157**	**3-152**	
ISCJB	VIII	03 18 03 15.2–.60	16.21S–.04	72.68W–.06	85–6	4.5b			**¶601518036**
NEIC	VIII	03 18 03 16.6–.17	16.17S	72.65W	79	4.6b,4.4L			
IDC	VIII	03 18 03 17.3–.43	16.18S	72.65W	80–3	4.3,4.1			
GUC	VIII	03 18 03 19.2–.72	16.52S	72.73W	70	5.1L,4.1			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.6km az=156.0.

NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=3.3km az=72.0. Felt [III] at Aplao and Ocona and [II] at Arequipa. Also felt at Lluta.

IDC Error ellipse: s-maj=16.6km s-min=10.3km az=63.0.

GUC Error ellipse: s-maj=7.8km s-min=6.9km az=-1.0.

(45) California-Baja California border region

ISC	**VIII**	**03 18 05 30.5–.98**	**32.78N–.02**	**115.44W–.02**	**18–3**		**108**	**0-11**	
ISCJB	VIII	03 18 05 30.6–.27	32.78N–.02	115.42W–.02	28–2				**¶601520200**
NEIC	VIII	03 18 05 31.7–.00	32.79N	115.45W	12	3.3L			
ECX	VIII	03 18 05 32.3–.67	32.78N	115.47W	11	3.3L,3.0			
MEX	VIII	03 18 05 33.0–.49	32.83N	115.38W	20–14	3.9,3.0			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=156.9.

NEIC Event type fe. Felt [III] at El Centro and Holtville. Also felt at Brawley, Calexico and Heber. Felt [III] at Mexicali, Baja California. After PAS.

ECX Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.

MEX Error ellipse: s-maj=9.2km s-min=4.5km az=-1.0.

(36) Northern California

ISC	**VIII**	**03 18 30 01.4–1.1**	**38.76N–.02**	**122.68W–.03**	**8–8**		**90**	**0-19**	
NEIC	VIII	03 18 30 01.1–.00	38.78N	122.72W	2	3.2W			**¶601520205**
IDC	VIII	03 18 30 02.0–4.4	39.05N	122.81W	0	3.8L,3.5			

ISC Event type fe.

NEIC Event type fe. Felt [IV] at Middletown. Also felt at Calistoga, Clearlake, Emeryville, San Francisco, Santa Rosa, Vacaville and Yountville. After NCEDC. Moment Tensor Solution. M_o9.30000×10^{13}

IDC Error ellipse: s-maj=60.2km s-min=14.6km az=47.0.

(12) Alaska Peninsula

ISC	**VIII**	**03 19 02 53.9–1.1**	**57.15N–.03**	**157.63W–.03**	**9–7**	**4.5b,3.6s**	**653**	**0-162**	
ISCJB	VIII	03 19 02 52.5–.12	57.25N–.02	157.70W–.03	10	4.5b,3.6s			**¶601518040**
NEIC	VIII	03 19 02 53.3–.00	57.14N	157.58W	3	4.6b,4.3L			
IDC	VIII	03 19 02 59.6–1.6	57.35N	157.66W	49–15	4.3,4.2			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=153.3.

NEIC Event type fe. Felt at Pilot Point. After AEIC.

IDC Error ellipse: s-maj=13.9km s-min=8.5km az=15.0.

(122) Near coast of northern Chile

ISC	**VIII**	**03 20 48 03.0–.50**	**25.97S–.03**	**69.75W–.08**	**67–4**	**4.5b**	**274**	**2-158**	
GUC	VIII	03 20 47 56.8–.48	25.97S	69.82W	5–2	4.3L			**¶601518046**
ISCJB	VIII	03 20 48 01.4–.44	25.87S–.03	69.63W–.06	72–4	4.5b			
NEIC	VIII	03 20 48 02.0–.00	26.00S	70.90W	65	4.8L,4.6b			
IDC	VIII	03 20 48 03.9–.57	25.93S	69.68W	74–4	4.3,4.2			

ISC Event type fe.

GUC Error ellipse: s-maj=2.8km s-min=15.9km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.2km az=2.9.

NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. Also felt at Diego de Almagro. After GUC.

IDC Error ellipse: s-maj=19.4km s-min=13.4km az=64.0.

(259) Mindanao

ISC	**VIII**	**03 22 10 15.2–1.1**	**6.93N–.03**	**123.78E–.03**	**16–7**	**4.4b,3.2s**	**97**	**1-144**	
MAN	VIII	03 22 10 14.5	6.91N	123.76E	4	5.1b,4.1s			**¶601518051**
DJA	VIII	03 22 10 17.7–2.6	7N–6.0	124E–4.0	18–21	5.4b,4.9			
NEIC	VIII	03 22 10 19.0–1.0	6.85N	123.80E	53–10	4.5b,4.9			
IDC	VIII	03 22 10 20.9–2.0	6.89N	123.92E	70–20	4.3,4.1			
BJI	VIII	03 22 10 25.2	6.70N	123.70E	120	4.9b,4.5b			

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.5km az=62.0. Felt [II PIVS] at Cotabato.

IDC Error ellipse: s-maj=17.4km s-min=10.0km az=80.0.

(277) Jawa

ISC	**VIII**	**03 23 34 14.0–.81**	**7.92S–.06**	**108.09E–.05**	**74–6**	**4.5b**	**270**	**0-152**	
BJI	VIII	03 23 34 10.9	8.39S	107.68E	93	5.1b,4.6b			**¶601518057**
ISCJB	VIII	03 23 34 15.0–.52	7.72S–.05	108.10E–.03	95–4	4.5b,4.6b			
DJA	VIII	03 23 34 14.1–.50	8S–4.0	108E–2.0	31–5	5.2b,5.0			
IDC	VIII	03 23 34 15.8–1.3	7.68S	108.11E	87–11	4.4,4.2			
NEIC	VIII	03 23 34 16.4–.50	7.66S	108.11E	92–4	4.5b,4.2			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.4km az=24.4.

IDC Error ellipse: s-maj=19.1km s-min=10.2km az=50.0.

NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.8km az=216.0. Felt [III] at Pangandaran and Tasikmalaya.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**03 23 52 11.7–.10**	**38.34N**	**141.74E**	**52–1**	**3.6**			
NIED	VIII	03 23 52 00	38.30N	141.80E	38	3.7W			**¶603651076**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ75.00000°,λ-15.00000°. NP2:ϕ_s151.00000°,δ76.00000°,λ-165.00000°. M_o4.14000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 00 21 25.8–1.1**	**36.73N–.03**	**140.56E–.04**	**7–7**	**4.0b,2.9s**	**47**	**0-147**	
NIED	VIII	04 00 21 00	36.70N	140.60E	5	3.9W,2.9s			**¶601551754**
IDC	VIII	04 00 21 24.6–.62	36.73N	140.53E	0	4.0,3.9			
ISCJB	VIII	04 00 21 25.4–.66	36.73N–.03	140.64E–.06	17–4	3.9b,3.1s			
JMA	VIII	04 00 21 25.9	36.74N	140.60E	6–1	3.7,3.1s			
NEIC	VIII	04 00 21 29.7–2.2	36.76N	140.52E	33–15	4.4b,3.1s			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s128.00000°,δ57.00000°,λ-85.00000°. M_o6.89000×10^{14}

IDC Error ellipse: s-maj=15.5km s-min=14.5km az=121.0.

ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.8km az=24.3.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s302.00000°,δ56.00000°,λ-103.00000°. NP2:ϕ_s144.00000°,δ36.00000°,λ-71.00000°. Principal axes: T Plg10.0000°,Azm41.0000°; N Plg11.0000°,Azm309.0000°; P Plg75.0000° ,Azm173.0000°

NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.2km az=149.0.

(274) Southern Sumatera

ISC	**VIII**	**04 02 00 29.3–.33**	**1.82S–.03**	**100.39E–.03**	**68–2**	**5.1b**	**1017**	**1-178**	
BJI	VIII	04 02 00 23.2	2.35S	100.54E	70	5.3b,5.1b			**¶601518062**
MOS	VIII	04 02 00 25.2–.96	1.65S	100.53E	40	5.4b,5.1b			
ISCJB	VIII	04 02 00 28.0–.32	1.77S–.02	100.42E–.02	67–2	5.0b,5.1b			
IDC	VIII	04 02 00 29.7–.46	1.75S	100.60E	70–3	5.0,4.7			
DJA	VIII	04 02 00 29.0–.20	2S–2.0	100E–2.0	57–2	5.3b,5.1b			
GCMT	VIII	04 02 00 29.1–.30	1.98S–.02	100.29E–.02	52–1	5.0W,5.1b			
NEIC	VIII	04 02 00 30.1–.43	1.76S	100.47E	72–3	5.1b,5.1b			

ISC Event type fe.

MOS Error ellipse: s-maj=8.5km s-min=4.1km az=118.6.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=44.9.

IDC Error ellipse: s-maj=10.0km s-min=6.5km az=45.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c67; s65,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.15 $M_{\theta\theta}$-1.60±.11; $M_{\phi\phi}$-1.35±.13; $M_{r\theta}$1.22±.08; $M_{\theta\phi}$1.50±.07; $M_{\phi r}$-1.04±.09; Best double couple: NP1:ϕ_s132.00000°,δ59.00000°,λ89.00000°. NP2:ϕ_s314.00000°,δ31.00000°,λ92.00000°. Principal axes: T 3.3560,Plg76.0000° ,Azm38.0000°; N 0.0290,Plg1.0000°,Azm132.0000°; P -3.3850,Plg14.0000°,Azm222.0000° M_o3.37100×10^{16}

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.1km az=46.0. Felt at Padang.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 02 57 10.9–.95**	**35.76N–.05**	**140.47E–.04**	**32–7**	**3.3b**	**26**	**0-57**	
IDC	VIII	04 02 57 06.7–1.2	35.60N	140.55E	0	3.5,3.4			**¶601765427**
ISCJB	VIII	04 02 57 11.1–.56	35.85N–.04	140.58E–.06	42–5	3.5s,3.4b			
JMA	VIII	04 02 57 11.7–.10	35.86N	140.53E	36–1	3.2,3.4b			

ISC Event type ke.

IDC Error ellipse: s-maj=28.1km s-min=19.4km az=75.0.

ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.0km az=138.7.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s53.00000°,δ62.00000°,λ89.00000°. NP2: ϕ_s235.00000°,δ28.00000°,λ92.00000°. Principal axes: T Plg73.0000°,Azm321.0000° ; N Plg1.0000°,Azm54.0000°; P Plg17.0000°,Azm144.0000°

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 04 27 58.4–1.3**	**38.42N–.05**	**142.07E–.09**	**54–11**	**3.7b**	**48**	**1-89**	
NIED	VIII	04 04 27 00	38.40N	142.00E	65	3.7W			**¶601765437**
ISCJB	VIII	04 04 27 57.6–.70	38.40N–.04	142.06E–.07	65–5	3.6b			
IDC	VIII	04 04 27 59.0–2.2	38.38N	142.06E	62–20	3.8,3.6			
JMA	VIII	04 04 27 59.2–.10	38.43N	141.97E	62–1	3.8,3.6			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ43.00000°,λ85.00000°. NP2:ϕ_s62.00000°,δ48.00000°,λ95.00000°. M_o3.68000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.5km az=20.1.

IDC Error ellipse: s-maj=18.4km s-min=15.1km az=88.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(88) Dominican Republic region

ISC	**VIII**	**04 06 40 42.1–.33**	**18.83N–.04**	**70.42W–.04**	**90**	**4.3b**	**517**	**0-157**	
ISCJB	VIII	04 06 40 41.0–.12	18.85N–.02	70.34W–.02	90	4.2b			**¶601518066**
NEIC	VIII	04 06 40 42.3–.24	18.89N	70.31W	84–3	4.3b			
IDC	VIII	04 06 40 43.4–1.6	18.86N	70.35W	101–15	4.3,4.1			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=43.6.

NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=207.0. Felt [IV] at Santiago and Jarabacoa and [II] at Santo Domingo. Also felt at Bonao, Cayetano Germosen, Cotui, La Vega, Las Guaranas, Licey al Medio, Moca, Sabana Iglesia and San Francisco de Macoris.

IDC Error ellipse: s-maj=12.7km s-min=9.5km az=27.0.

(162) South Island

WEL	**VIII**	**04 09 26 04.1**	**43S–1.0**	**172.7E–.90**	**14–1**	**4.0L**			
NEIC	VIII	04 09 26 04.8–.00	43.43S	172.82E	5	3.9L			**¶601518145**

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

NEIC Event type fe. Felt at Christchurch. After WEL.

(706) Northern Sumatera

ISC	**VIII**	**04 11 24 13.0–.57**	**4.78N–.03**	**96.28E–.03**	**19–2**	**5.2b,4.5s**	**916**	**1-173**	
IDC	VIII	04 11 24 09.6–.31	4.86N	96.28E	0	5.0,4.9			**¶601518148**
ISCJB	VIII	04 11 24 13.0–.43	4.75N–.02	96.19E–.02	36–4	5.1b,4.4s			
GCMT	VIII	04 11 24 13.0–.20	4.80N–.01	96.40E–.01	12	5.1W,4.4s			
MOS	VIII	04 11 24 13.3–1.3	4.91N	96.24E	35	5.3b,4.4s			
DJA	VIII	04 11 24 14.4–.20	5N–1.0	96E–2.0	10	5.5b,5.4			
NEIC	VIII	04 11 24 15.0–.66	4.86N	96.30E	36–6	5.3b,5.4			

ISC Event type fe.

IDC Error ellipse: s-maj=12.1km s-min=8.0km az=47.0.

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=141.4.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c82; s104,c181;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.81±.08 $M_{\theta\theta}$0.08±.07; $M_{\phi\phi}$4.73±.08; $M_{r\theta}$3.13±.25; $M_{\theta\phi}$-1.31±.07; $M_{\phi r}$-2.67±.23; Best double couple: NP1:ϕ_s325.00000°,δ65.00000° ,λ-108.00000°. NP2:ϕ_s183.00000°,δ30.00000°,λ-56.00000°. Principal axes: T 6.1970,Plg18.0000°,Azm68.0000°; N 0.4530,Plg17.0000°,Azm333.0000° ; P -6.6480,Plg65.0000°,Azm203.0000° M_o6.42200×10^{16}

MOS Error ellipse: s-maj=7.2km s-min=3.8km az=114.8.

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=46.0. Felt [III] in Aceh.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 13 08 11.8–1.2**	**36.86N–.02**	**140.53E–.04**	**0–8**	**3.7b,2.9s**	**37**	**0-147**	
NIED	VIII	04 13 08 00	36.80N	140.60E	8	3.6W,2.9s			**¶601765451**
ISCJB	VIII	04 13 08 11.5–.47	36.87N–.02	140.58E–.04	8–3	3.5b,3.5s			
JMA	VIII	04 13 08 11.7	36.85N	140.57E	7–1	3.7,3.5s			
IDC	VIII	04 13 08 11.3–.95	36.73N	140.38E	0	3.8,3.6			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ23.00000°,λ-109.00000°. NP2:ϕ_s199.00000°,δ68.00000°,λ-82.00000°. M_o2.55000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=20.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ80.00000°,λ-79.00000°. NP2:ϕ_s336.00000°,δ15.00000°,λ-136.00000°. Principal axes: T Plg34.0000°,Azm284.0000°; N Plg11.0000°,Azm21.0000°; P Plg54.0000° ,Azm126.0000°
IDC Error ellipse: s-maj=23.9km s-min=21.2km az=168.0.

(139) Mendoza Province

ISC	**VIII**	**04 13 11 45.7–.93**	**32.81S–.03**	**69.16W–.03**	**34–3**	**4.2s,4.1b**	**68**	**0-173**
IDC	VIII	04 13 11 44.3–6.0	32.78S	69.04W	22–39	4.1,4.0		**¶601520328**
GUC	VIII	04 13 11 45.9–.51	32.80S	69.35W	5–8	3.8L,4.0		
SJA	VIII	04 13 11 45.7–.54	32.84S	69.18W	33–1	4.4L,4.3W		
NEIC	VIII	04 13 11 46.0–.00	32.84S	69.18W	33	4.4,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=15.9km az=94.0.
GUC Error ellipse: s-maj=5.3km s-min=10.7km az=-1.0.
SJA Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt [IV] at Mendoza. After SJA.

(447) Southern Quebec

ISC	**VIII**	**04 18 27 48.7–.77**	**47.31N–.02**	**70.57W–.02**	**29–6**		**207**	**0-149**
OTT	VIII	04 18 27 49.5–.07	47.24N	70.58W	22–0	3.7		**¶601518318**
NEIC	VIII	04 18 27 49.6–.00	47.23N	70.60W	18	3.8		
IDC	VIII	04 18 27 52.5–4.4	48.79N	74.34W	0	4.0,4.0		

ISC Event type fe.
OTT Event type fe. 24km west from Saint-Jean-Port-Joli, Qc. Felt. Charlevoix Seismic Zone, Qc. Felt in Saint-Jean-Port-Joli, Charlevoix, Quebec city, Qc.
NEIC Event type fe. Felt [II] at Quebec. Also felt at Beaupre, Boischatel and Saint-Jean-Port-Joli. After OTT.
IDC Error ellipse: s-maj=252.6km s-min=19.6km az=131.0.

(137) San Juan Province

ISC	**VIII**	**04 19 05 39.1–.23**	**31.88S–.03**	**69.51W–.03**	**118–1**	**5.0b**	**1315**	**0-174**
MOS	VIII	04 19 05 36.8–1.1	31.88S	69.38W	107	4.9b		**¶601518319**
ISCJB	VIII	04 19 05 37.8–.19	31.85S–.02	69.45W–.03	118–1	5.0b		
SJA	VIII	04 19 05 37.8–.69	31.92S	69.58W	118–4	5.1L,4.7W		
BJI	VIII	04 19 05 37.1	32.00S	69.20W	100	5.0b,4.7W		
GUC	VIII	04 19 05 38.0–.52	31.87S	69.81W	124–6	5.2L,4.7W		
IDC	VIII	04 19 05 39.5–.34	31.88S	69.38W	117–2	4.8,4.5		
NEIC	VIII	04 19 05 39.2–.11	31.93S	69.36W	119	5.2L,5.1		
GCMT	VIII	04 19 05 42.2–.40	31.93S–.02	69.51W–.03	118–3	4.9W,5.1		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Mendoza and San Juan. Also felt at San Rafael. Felt [III] at Illapel, Rio Hurtado, Salamanca and Santiago; [II] at Coquimbo, La Higuera, La Serena, Paiguano, Quillota, Rancagua, Valparaiso, Villa Alemana and Vina del Mar, Chile. Also felt at Colina, Puente Alto and Talca.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s58,c81;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.06±.13 $M_{\theta\theta}$-0.32±.13; $M_{\phi\phi}$1.38±.15; $M_{r\theta}$-1.08±.08; $M_{\theta\phi}$2.76±.14; $M_{\phi r}$-0.69±.10; Best double couple: NP1:ϕ_s79.00000°,δ86.00000°,λ-25.00000°. NP2:ϕ_s171.00000°,δ65.00000°,λ-175.00000°. Principal axes: T 3.7210,Plg14.0000° ,Azm128.0000°; N -1.1930,Plg65.0000°,Azm250.0000°; P -2.5280,Plg20.0000° ,Azm32.0000° $M_0$3.12500×10^{16}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 20 05 30.2–1.6**	**38.63N–.05**	**142.0E–.10**	**42–13**	**3.9b**	**27**	**1-73**
NIED	VIII	04 20 05 00	38.60N	141.90E	56	3.8W		**¶601765466**
ISCJB	VIII	04 20 05 29.1–1.1	38.63N–.05	142.0E–.10	52–7	3.9b		
JMA	VIII	04 20 05 30.4–.10	38.64N	141.91E	48–1	3.8		
IDC	VIII	04 20 05 30.8–2.8	38.62N	142.07E	55–22	3.8,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ23.00000°,λ74.00000°. NP2:ϕ_s16.00000°,δ68.00000°,λ96.00000°. $M_0$5.25000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=17.0km s-min=6.3km az=21.1.
JMA Event type fe.
IDC Error ellipse: s-maj=35.0km s-min=16.2km az=102.0.

(227) Eastern Honshu

ISC	**VIII**	**04 20 44 45.1–.75**	**36.05N–.04**	**139.96E–.05**	**54–7**	**4.4b**	**47**	**0-75**
IDC	VIII	04 20 44 38.6–2.1	36.26N	140.29E	0	4.1L,3.8		**¶606007016**
ISCJB	VIII	04 20 44 44.2–.40	36.05N–.03	140.01E–.05	61–3	4.2b,3.8		
NEIC	VIII	04 20 44 44.8–.76	36.06N	140.08E	52–7	4.6b,3.8		
JMA	VIII	04 20 44 46.7–.10	36.05N	139.88E	43–1	3.4,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=18.9km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=108.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s43.00000°,δ71.00000°,λ86.00000°. NP2: ϕ_s234.00000°,δ19.00000°,λ101.00000°. Principal axes: T Plg64.0000°,Azm307.0000° ; N Plg4.0000°,Azm44.0000°; P Plg26.0000°,Azm136.0000°

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 21 45 05.9–1.8**	**36.26N–.05**	**141.26E–.05**	**11–11**	**3.7b**	**41**	**1-147**
NIED	VIII	04 21 45 00	36.30N	141.20E	32	3.8W		**¶601551753**
IDC	VIII	04 21 45 04.2–.74	36.18N	141.18E	0	3.9,3.9L		
JMA	VIII	04 21 45 08.5–.10	36.23N	141.14E	47–2	3.8,3.9L		
NEIC	VIII	04 21 45 09.2–3.8	36.26N	141.24E	32–26	4.3b,3.9L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ37.00000°,λ-60.00000°. NP2:ϕ_s195.00000°,δ59.00000°,λ-110.00000°. $M_0$5.68000×10^{14}
IDC Error ellipse: s-maj=19.4km s-min=18.2km az=180.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.5km az=139.0.

(204) Aru Islands region

ISC	**VIII**	**05 05 58 01.9–.32**	**5.59S–.04**	**133.88E–.05**	**32**	**4.8b,3.7s**	**135**	**3-152**
BJI	VIII	05 05 57 55.1	5.59S	134.07E	6	5.0b,4.8s		**¶601518335**
IDC	VIII	05 05 57 57.0–.46	5.62S	134.21E	0	4.6L,4.6		
NEIC	VIII	05 05 57 58.4–.19	5.59S	133.93E	10	4.7b,4.6		
ISCJB	VIII	05 05 57 59.6–.21	5.63S–.03	133.89E–.03	32	4.7b,3.8s		
DJA	VIII	05 05 58 02.0–.20	6S–3.0	134E–2.0	69–7	5.6b,5.5		

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

(122) Near coast of northern Chile

ISC	**VIII**	**05 09 15 15.0–.62**	**27.72S–.04**	**70.32W–.05**	**97–4**	**3.3b**	**56**	**0-151**
ISCJB	VIII	05 09 15 13.8–.39	27.68S–.03	70.29W–.05	102–5	3.5b		**¶601565553**
NEIC	VIII	05 09 15 13.0–.00	27.72S	70.27W	101	4.0L		
GUC	VIII	05 09 15 14.1–.82	27.68S	70.56W	92–16	3.7L		
SJA	VIII	05 09 15 14.8–.44	27.73S	70.22W	101	3.7L,3.4W		
IDC	VIII	05 09 15 15.8–.74	27.80S	70.25W	95–5	3.6,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=173.1.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=6.6km s-min=42.1km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=33.0km s-min=20.6km az=61.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**05 15 50 35.0–.87**	**35.67N–.04**	**140.86E–.07**	**14–5**	**3.6b**	**27**	**0-148**
NIED	VIII	05 15 50 00	35.70N	140.80E	11	3.7W		**¶601765501**
ISCJB	VIII	05 15 50 34.0–.73	35.69N–.03	140.95E–.07	21–4	3.5b		
IDC	VIII	05 15 50 33.4–.80	35.64N	140.76E	0	3.7,3.5		
JMA	VIII	05 15 50 35.3–.10	35.66N	140.85E	12–1	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ42.00000°,λ-88.00000°. NP2:ϕ_s179.00000°,δ48.00000°,λ-92.00000°. $M_0$3.84000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.4km az=2.7.
IDC Error ellipse: s-maj=25.6km s-min=16.1km az=94.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(460) Wyoming

ISC	**VIII**	**05 19 41 17.9–.99**	**43.62N–.08**	**105.23W–.08**	**0**	**4.1b**	**17**	**1-68**
IDC	VIII	05 19 41 15.7–2.2	43.26N	105.18W	0	4.0L,3.9		**¶601765514**
ISCJB	VIII	05 19 41 16.1–.59	43.59N–.07	105.35W–.07	0	3.9b,3.3s		
NEIC	VIII	05 19 41 17.7–.70	43.64N	105.26W	0	3.4L,3.3s		

ISC Event type sm.
IDC Error ellipse: s-maj=50.2km s-min=8.5km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=10.6km s-min=5.7km az=154.7.
NEIC Event type fm. Error ellipse: s-maj=12.3km s-min=7.9km az=148.0. 75 km [47 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**VIII**	**05 19 53 18.3–1.1**	**43.70N–.07**	**105.24W–.07**	**0**		**19**	**1-61**
IDC	VIII	05 19 53 16.3–2.3	43.29N	105.23W	0	3.8,3.7L		**¶601765515**
ISCJB	VIII	05 19 53 17.2–.55	43.71N–.05	105.28W–.07	0	3.5b,3.7L		
NEIC	VIII	05 19 53 18.6–.56	43.72N	105.27W	0	3.4L,3.7L		

ISC Event type sm.
IDC Error ellipse: s-maj=50.7km s-min=9.0km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=8.0km s-min=7.2km az=144.9.
NEIC Event type fm. Error ellipse: s-maj=8.8km s-min=7.3km az=135.0. 66 km [41 miles] SSE of Gillette. Suspected Mining explosion.

(88) Dominican Republic region

ISC	**VIII**	**05 21 51 23.2–.75**	**19.15N–.05**	**69.61W–.04**	**69–8**	**4.4b**	**536**	**1-158**
ISCJB	VIII	05 21 51 22.8–.26	19.11N–.02	69.61W–.02	81–3	4.3b		**¶601518423**
IDC	VIII	05 21 51 23.1–1.8	19.17N	69.57W	70–19	4.4,4.2		
NEIC	VIII	05 21 51 24.9–.25	19.10N	69.60W	85–3	4.4b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.1km az=20.0.
IDC Error ellipse: s-maj=20.2km s-min=10.3km az=11.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.5km az=204.0. Felt [III] at San Pedro de Macoris and Santo Domingo. Also felt at Fantino, Las Terrenas and Villa Riva.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**05 22 28 12.4–1.6**	**39.79N–.03**	**142.26E–.07**	**14–9**	**4.1b**	**70**	**0-73**
NIED	VIII	05 22 28 00	39.80N	142.30E	8	3.8W		**¶601713616**
IDC	VIII	05 22 28 11.1–.88	39.87N	142.19E	0	3.9,3.9		
ISCJB	VIII	05 22 28 12.4–.80	39.79N–.03	142.25E–.07	26–4	4.1b,3.9		
JMA	VIII	05 22 28 12.4	39.77N	142.28E	22–1	4.0,3.9		
NEIC	VIII	05 22 28 15.8–1.7	39.86N	142.17E	33–12	4.3b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ66.00000°,λ-15.00000°. NP2:ϕ_s44.00000°,δ76.00000°,λ-155.00000°. $M_0$5.08000×10^{14}
IDC Error ellipse: s-maj=22.3km s-min=15.7km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.0km az=15.4.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.3km az=115.0. Recorded [4 JMA] in Iwate.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**06 02 34 11.2–.75**	**35.54N–.04**	**140.84E–.05**	**50–7**	**4.2b,3.1s**	**75**	**0-148**
NIED	VIII	06 02 34 00	35.70N	140.70E	50	4.2W,3.1s		**¶601521127**
BJI	VIII	06 02 34 08.3	35.30N	141.03E	60	5.0b,4.7s		
ISCJB	VIII	06 02 34 10.7–.40	35.62N–.03	140.78E–.05	51–3	4.2b,3.1s		
NEIC	VIII	06 02 34 10.4–.95	35.43N	140.94E	54–10	4.6b,3.1s		
JMA	VIII	06 02 34 11.4–.10	35.65N	140.72E	45–1	3.7,3.1s		
IDC	VIII	06 02 34 15.7–2.5	35.67N	140.62E	78–18	3.9,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ24.00000°,λ-171.00000°. NP2:ϕ_s184.00000°,δ86.00000°,λ-67.00000°. $M_0$1.93000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=175.1.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=9.2km az=86.0. Recorded [2 JMA] in Chiba.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=16.0km az=171.0.

(536) Sweden

ISC	**VIII**	**06 02 57 12.8–.96**	**56.66N–.02**	**12.11E–.02**	**9–6**	**3.8b**	**655**	**1-70**
MOS	VIII	06 02 57 10.9–1.1	56.60N	11.93E	10	3.9b		**¶603805401**
IDC	VIII	06 02 57 14.2–.64	56.53N	11.85E	0	4.2L,3.9		
PRU	VIII	06 02 57 14.7–.00	56.46N	12.19E	0	4.2,3.9		
BGS	VIII	06 02 57 15.8–.17	56.63N	11.69E	10	4.6L,4.6L		
BGR	VIII	06 02 57 15.4–.50	56.65N	12.14E	10	4.5L,4.6L		
NAO	VIII	06 02 57 16.8–1.3	56.82N	11.85E		4.0L,4.6L		
UPP	VIII	06 02 57 16.1–.50	56.61N	12.05E	10	4.1L,4.6L		
NEIC	VIII	06 02 57 16.1–.00	56.61N	12.05E	10	4.2b,4.1L		
HEL	VIII	06 02 57 16.9–.20	56.63N	12.11E	10	4.1L,4.1L		
BNS	VIII	06 02 57 16.3–1.2	56.63N	11.69E	10	4.2L,4.1L		
BER	VIII	06 02 57 17.5–3.2	56.65N	12.06E	15	4.1L,3.9L		
LDG	VIII	06 02 57 17.2–.08	56.68N	11.99E	30	4.2L,3.9L		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=3.0km az=93.3.
IDC Error ellipse: s-maj=11.7km s-min=6.8km az=93.0.
BGS Error ellipse: s-maj=11.4km s-min=108.1km az=-1.0.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=24.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
NEIC Event type fe. Felt [III] at Falkenberg, Hoganas and Halmstad and [II] at Helsingborg, Kungsbacka and Varberg. Also felt at Boras, Eslov and Goteborg. Felt [III] at Gilleleje, Denmark. Also felt at Assentoft, Dronninglund, Dybbol, Farum, Hundested, Lejre, Nyborg, Nykobing, Odense and Ringsted. After UPP.
HEL Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Probable volcanic.
BNS Event type ke.
BER Error ellipse: s-maj=2.9km s-min=7.5km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=116.0.

(238) Ryukyu Islands

ISC	**VIII**	**06 03 28 22.6–.40**	**29.47N–.02**	**130.66E–.03**	**42–3**	**5.2s,5.1b**	**735**	**1-172**
NIED	VIII	06 03 28 00	29.40N	130.80E	23	5.4W,5.1b		**¶601518431**
BJI	VIII	06 03 28 16.6	29.22N	131.03E	39	5.4,5.4s		
IDC	VIII	06 03 28 20.1–3.3	29.55N	130.54E	22–21	5.0,4.9		
MOS	VIII	06 03 28 20.0–1.1	29.53N	130.56E	33	5.4b,5.3s		
JMA	VIII	06 03 28 21.1–.10	29.47N	130.69E	56–4	5.3,5.3s		
ISCJB	VIII	06 03 28 21.0–.27	29.49N–.02	130.60E–.02	38–2	5.2s,5.1b		
GCMT	VIII	06 03 28 23.1–.10	29.36N–.01	130.64E–.01	28–0	5.4W,5.1b		
NEIC	VIII	06 03 28 23.1–.46	29.49N	130.60E	45–4	5.3b,5.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ33.00000°,λ155.00000°. NP2:ϕ_s25.00000°,δ77.00000°,λ59.00000°. $M_0$1.39000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=7.9km az=94.0.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=103.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=39.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c178; s109,c207;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.46±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.58±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1:ϕ_s40.00000°,δ65.00000°,λ82.00000°. NP2:ϕ_s239.00000°,δ26.00000°,λ107.00000°. Principal axes: T 1.4550,Plg69.0000° ,Azm294.0000°; N 0.0050,Plg7.0000°,Azm43.0000°; P -1.4620,Plg20.0000°,Azm136.0000° $M_0$1.45800×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=128.0. Recorded [2 JMA] in Kagoshima.

(238) Ryukyu Islands

ISC	**VIII**	**06 05 30 18.6–.49**	**29.44N–.02**	**130.67E–.03**	**29–3**	**4.9b,4.4s**	**628**	**1-150**
NIED	VIII	06 05 30 00	29.40N	130.80E	23	4.9W,4.4s		**¶606007589**
BJI	VIII	06 05 30 15.1	29.32N	130.90E	33	4.9b,4.8b		
MOS	VIII	06 05 30 16.8–.96	29.53N	130.55E	27	5.1b,4.2s		
JMA	VIII	06 05 30 18.8–.10	29.48N	130.70E	64–4	4.7,4.2s		
ISCJB	VIII	06 05 30 19.5–.33	29.53N–.02	130.51E–.02	43–2	4.9b,4.4s		
NEIC	VIII	06 05 30 19.5–1.0	29.50N	130.52E	33–6	5.0b,4.4s		
IDC	VIII	06 05 30 19.0–2.9	29.53N	130.58E	33–22	4.6,4.5		
GCMT	VIII	06 05 30 21.5–.40	29.37N–.02	130.80E–.04	35–1	4.9W,4.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s265.00000°,δ28.00000°,λ141.00000°. NP2:ϕ_s30.00000°,δ73.00000°,λ68.00000°. $M_0$2.35000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Kagoshima.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c37; s57,c74;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.18 $M_{\theta\theta}$-0.79±.11; $M_{\phi\phi}$-1.34±.12; $M_{r\theta}$1.06±.11; $M_{\theta\phi}$-1.06±.06; $M_{\phi r}$0.92±.10; Best double couple: NP1:ϕ_s44.00000°,δ62.00000°,λ96.00000°. NP2:ϕ_s212.00000°,δ29.00000°,λ79.00000°. Principal axes: T 2.5610,Plg73.0000° ,Azm328.0000°; N 0.0030,Plg5.0000°,Azm221.0000°; P -2.5670,Plg16.0000°,Azm130.0000° $M_0$2.56400×10^{16}

(115) Near coast of Peru

ISC	**VIII**	**06 07 23 39.2–.93**	**13.63S–.09**	**76.5W–.10**	**33**	**3.6b**	**23**	**2-135**
ISCJB	VIII	06 07 23 37.2–.75	13.77S–.06	76.53W–.09	33	3.4b		**¶601565555**
NEIC	VIII	06 07 23 39.2–1.3	13.77S	76.58W	35	4.3L,4.0b		
IDC	VIII	06 07 23 43.7–3.1	13.37S	76.17W	63–21	3.6,3.6		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=14.7km s-min=4.7km az=145.9.							
NEIC	Event type fe. Error ellipse: s-maj=28.4km s-min=10.2km az=59.0. Felt [III] at Pisco and [II] at Chincha Alta and Tambo de Mora.							
IDC	Error ellipse: s-maj=50.7km s-min=12.0km az=39.0.							
	(39) Central California							
ISC	**VIII**	**06 07 35 49.3–.85**	**35.92N–.02**	**120.49W–.02**	**12–5**	**4.5b,3.9s**	**587**	**0-97**
BJI	VIII	06 07 35 45.1	35.90N	120.50W	12	4.7b,4.6s		**¶601520360**
IASPE	VIII	06 07 35 48.8–.97	35.95N–.02	120.52W–.02	15–6	4.5b,3.9s		
IDC	VIII	06 07 35 48.1–.94	35.88N	120.40W	0	4.2,4.1b		
NEIC	VIII	06 07 35 49.1–.00	35.95N	120.50W	12	4.5b,4.4W		
ISC	Event type fe.							
IASPE	Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=53.7. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.							
IDC	Error ellipse: s-maj=14.4km s-min=11.6km az=72.0.							
NEIC	Event type fe. Felt [IV] at Huron; [III] at Atascadero, Bradley, Cambria, Coalinga, King City, Lemoore, Los Osos, Morro Bay, Paso Robles, San Luis Obispo, San Miguel, Santa Margarita and Templeton; [II] at Arroyo Grande, Cayucos, Clovis, Creston, Greenfield, Grover Beach, Hanford, Oceano and Pismo Beach. Felt northwest to Cupertino, northeast to Woodlake, southeast to Hawthorne and south to Santa Maria. After NCEDC. Moment Tensor Solution. $M_0$5.90000×10^{15}							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**06 13 13 33.6–.54**	**38.19N–.04**	**141.74E–.06**	**48–3**	**4.0b**	**64**	**0-146**
NIED	VIII	06 13 13 00	38.20N	141.70E	50	4.2W		**¶601765556**
ISCJB	VIII	06 13 13 32.8–.66	38.17N–.03	141.72E–.07	56–5	3.9b		
JMA	VIII	06 13 13 33.7–.10	38.18N	141.69E	51–1	4.0		
IDC	VIII	06 13 13 33.9–.50	38.20N	141.56E	47–3	4.0,3.9		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ27.00000°,λ112.00000°. NP2:ϕ_s18.00000°,δ65.00000°,λ79.00000°. $M_0$2.02000×10^{15}							
ISCJB	Event type fe. Error ellipse: s-maj=10.1km s-min=5.1km az=19.1.							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
IDC	Error ellipse: s-maj=14.2km s-min=11.5km az=90.0.							
	(251) Samar							
ISC	**VIII**	**06 13 28 46.8–1.0**	**11.35N–.04**	**125.60E–.06**	**60–9**	**4.6b**	**156**	**1-166**
MAN	VIII	06 13 28 44.4	11.40N	125.63E	17	5.6b,4.9s		**¶601521133**
ISCJB	VIII	06 13 28 46.2–.53	11.36N–.03	125.59E–.05	72–4	4.4b,4.9s		
IDC	VIII	06 13 28 46.8–2.6	11.25N	125.44E	61–23	4.4,4.2		
BJI	VIII	06 13 28 49.0	11.31N	125.65E	100	5.2b,4.6b		
NEIC	VIII	06 13 28 52.0–1.2	11.22N	125.50E	114–11	4.6b,4.6b		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=7.9km s-min=4.2km az=162.9.							
IDC	Error ellipse: s-maj=16.6km s-min=9.0km az=76.0.							
NEIC	Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=79.0. Felt [IV PIVS] at Borongan, Llorente and Maydolong; [III PIVS] at Guiuan, Sulat and Taft; [II PIVS] at Can-Avid, Catbalogan and Dolores. Also felt [III PIVS] at Tacloban and [II PIVS] at Palo and Tolosa, Leyte.							
	(130) Catamarca Province							
ISC	**VIII**	**06 14 44 50.2–.73**	**28.86S–.05**	**66.51W–.04**	**18–3**	**4.0b**	**68**	**1-150**
IDC	VIII	06 14 44 50.8–.97	29.02S	66.37W	26–4	3.8,3.8L		**¶601564304**
SJA	VIII	06 14 44 51.3–.63	28.88S	66.53W	44–999	3.9W,3.8L		
NEIC	VIII	06 14 44 51.4–2.0	28.88S	66.45W	32–14	4.0b,3.9		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=37.3km s-min=26.6km az=5.0.							
SJA	Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s59.79000°,δ84.00000°,λ87.99000°.							
NEIC	Event type fe. Error ellipse: s-maj=10.3km s-min=7.9km az=121.0. Felt [IV] at San Blas de los Sauces and [III] at Catamarca.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**06 17 23 28.0–1.8**	**38.27N–.04**	**142.15E–.07**	**12–10**	**3.7b**	**42**	**1-89**
NIED	VIII	06 17 23 00	38.30N	142.20E	32	3.7W		**¶601765565**
JMA	VIII	06 17 23 30.8–.10	38.31N	142.13E	37–1	4.3		
IDC	VIII	06 17 23 32.2–2.5	38.30N	142.20E	41–22	3.8,3.7		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ39.00000°,λ10.00000°. NP2:ϕ_s19.00000°,δ84.00000°,λ129.00000°. $M_0$3.99000×10^{14}							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
IDC	Error ellipse: s-maj=21.3km s-min=14.3km az=107.0.							
	(243) Taiwan region							
ISC	**VIII**	**06 18 26 10.3–.71**	**24.33N–.03**	**122.97E–.02**	**47–5**	**3.9b,3.4s**	**205**	**0-95**
NIED	VIII	06 18 26 00	24.50N	123.00E	50	4.6W,3.4s		**¶601765569**
ISCJB	VIII	06 18 26 09.7–.20	24.32N–.02	122.97E–.01	54–3	3.8b,3.5s		
JMA	VIII	06 18 26 10.3–.10	24.35N	122.99E	49–1	4.4,3.5s		
TAP	VIII	06 18 26 10.0	24.34N	122.95E	45–0	4.9L,3.5s		
IDC	VIII	06 18 26 16.4–5.5	24.44N	122.90E	106–54	3.9,3.7		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ31.00000°,λ119.00000°. NP2:ϕ_s60.00000°,δ63.00000°,λ74.00000°. $M_0$7.63000×10^{15}							
ISCJB	Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=170.3.							
JMA	Event type fe. Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.							
TAP	C.							
IDC	Error ellipse: s-maj=22.8km s-min=14.4km az=73.0.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**06 21 11 47.2–.95**	**35.62N–.04**	**140.78E–.07**	**10–8**	**3.5b**	**24**	**0-59**
NIED	VIII	06 21 11 00	35.70N	141.00E	11	3.7W		**¶601765574**
IDC	VIII	06 21 11 45.4–1.3	35.59N	140.78E	0	3.8s,3.8		
ISCJB	VIII	06 21 11 46.3–.80	35.66N–.04	140.94E–.08	20–4	3.7s,3.5b		
JMA	VIII	06 21 11 47.1–.20	35.66N	140.87E	14–1	3.9,3.5b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ37.00000°,λ-84.00000°. NP2:ϕ_s181.00000°,δ54.00000°,λ-95.00000°. $M_0$3.49000×10^{14}							
IDC	Error ellipse: s-maj=29.9km s-min=19.3km az=73.0.							
ISCJB	Event type fe. Error ellipse: s-maj=11.8km s-min=5.6km az=163.6.							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
	(122) Near coast of northern Chile							
ISC	**VIII**	**07 00 39 04.1–.34**	**27.85S–.03**	**70.59W–.05**	**62–2**	**5.2b**	**973**	**0-177**
SJA	VIII	07 00 38 56.8–.62	27.57S	71.20W	42–11	5.6W,5.4L		**¶601521551**
MOS	VIII	07 00 39 01.2–1.0	27.75S	70.45W	42	5.3b,5.4L		
NEIC	VIII	07 00 39 02.0–.00	27.80S	70.80W	68	5.6L,5.2b		
ISCJB	VIII	07 00 39 02.3–.37	27.66S–.02	70.34W–.04	56–3	5.2b,4.2s		
GUC	VIII	07 00 39 03.0–.63	27.88S	70.58W	74–5	5.8W,5.5L		
IDC	VIII	07 00 39 04.7–.38	27.82S	70.38W	64–2	4.9,4.7		
BJI	VIII	07 00 39 05.6	27.80S	70.80W	60	5.1b,5.1s		
GCMT	VIII	07 00 39 07.0–.20	27.96S–.01	70.88W–.01	66–1	5.3W,5.1s		
ISC	Event type fe.							
NEIC	Event type fe. Felt [V] at Caldera, Copiapo, Tierra Amarilla and Vallenar; [IV] at Alto del Carmen, Coquimbo, Freirina, Huasco, La Higuera, La Serena, Rio Hurtado and Vicuna; [III] at Chanaral, Diego de Almagro and Paiguano. After GUC.							
ISCJB	Event type fe.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c129; s90,c145;Duration: 1$\mathfrak{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00±.02 $M_{\theta\theta}$-0.14±.02; $M_{\phi\phi}$0.13±.03; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.70±.02; $M_{\phi r}$0.90±.02; Best double couple: NP1:ϕ_s6.00000°,δ90.00000°,λ52.00000°. NP2:ϕ_s276.00000°,δ38.00000°,λ180.00000°. Principal axes: T 1.1450,Plg34.0000° ,Azm244.0000°; N 0.0140,Plg38.0000°,Azm6.0000°; P -1.1590,Plg34.0000°,Azm128.0000° $M_0$1.15200×10^{17}							
	(116) Central Peru							
ISC	**VIII**	**07 02 02 50.5–.40**	**9.06S–.04**	**75.94W–.06**	**121–3**	**4.8b**	**846**	**3-153**
BJI	VIII	07 02 02 47.5	9.10S	75.90W	100	5.3b		**¶601521554**
IDC	VIII	07 02 02 48.9–.64	9.05S	76.09W	106–6	4.6,4.4		
ISCJB	VIII	07 02 02 49.5–.58	8.99S–.03	76.01W–.03	129–5	4.6b,4.4		
MOS	VIII	07 02 02 49.1–.96	8.98S	76.06W	117	4.8b,4.4		
NEIC	VIII	07 02 02 50.0–.00	9.07S	76.18W	120	4.9L,4.8b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=12.1km s-min=7.8km az=90.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.0km s-min=4.2km az=150.1.							
MOS	Error ellipse: s-maj=14.1km s-min=6.0km az=109.2.							
NEIC	Event type fe. Felt [III] at Tingo Maria and [II] at Huanuco. Also felt at Lima and Oxapampa. After ARE.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**07 04 18 33.6–.54**	**37.53N–.04**	**141.85E–.04**	**30–3**	**4.5b,3.5s**	**244**	**1-146**
NIED	VIII	07 04 18 00	37.50N	141.90E	32	4.2W,3.5s		**¶601521557**
BJI	VIII	07 04 18 30.1	37.13N	142.05E	35	4.9b,4.7b		
JMA	VIII	07 04 18 32.6–.10	37.56N	141.86E	35–3	4.5,4.7b		
ISCJB	VIII	07 04 18 32.1–.69	37.51N–.03	141.83E–.03	28–4	4.5b,3.6s		
NEIC	VIII	07 04 18 33.8–1.4	37.53N	141.77E	29–9	4.6b,3.6s		
IDC	VIII	07 04 18 33.7–.52	37.49N	141.85E	33–3	4.4,4.3		
ISC	Event type fe.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ11.00000°,λ-161.00000°. NP2:ϕ_s150.00000°,δ87.00000°,λ-80.00000°. $M_0$2.57000×10^{15}							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=145.4.							
NEIC	Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=137.0. Felt at Iwaki and Sendai. Recorded [3 JMA] in Fukushima.							
IDC	Error ellipse: s-maj=12.3km s-min=9.9km az=126.0.							
	(250) Mindoro							
ISC	**VIII**	**07 05 03 43.4–.46**	**13.84N–.03**	**119.84E–.04**	**32–3**	**4.7b,3.7s**	**258**	**0-152**
BJI	VIII	07 05 03 40.8	13.81N	120.29E	30	5.1b,4.7b		**¶601521558**
MOS	VIII	07 05 03 41.9–.90	13.88N	120.06E	33	5.0b,4.7b		
MAN	VIII	07 05 03 42.7	13.81N	119.76E	32	5.7b,5.0s		
ISCJB	VIII	07 05 03 44.0–.35	13.86N–.02	119.97E–.03	51–3	4.7b,3.7s		
NEIC	VIII	07 05 03 45.9–.55	13.85N	120.03E	55–5	4.8b,3.7s		
IDC	VIII	07 05 03 47.0–1.4	13.90N	120.06E	63–12	4.5,4.3		
DJA	VIII	07 05 04 04.1–2.5	13N–19	120E–8.0	126–15	5.3b,5.3		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [IV PIVS] at Lubang. Felt [II] at Manila, [II PIVS] at Olongapo, Pasay, Sampaloc and San Francisco and [I PIVS] at Quezon City, Luzon. Also felt at Cainta and Mabayo.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**07 09 22 06.3–1.6**	**36.54N–.06**	**141.0E–.10**	**42–10**	**3.4b**	**21**	**0-57**
IDC	VIII	07 09 21 59.3–2.7	36.59N	141.41E	0	3.6,3.5b		**¶601765596**
ISCJB	VIII	07 09 22 06.0–.97	36.53N–.05	140.98E–.08	50–6	3.4b,3.5b		
JMA	VIII	07 09 22 07.0–.10	36.56N	140.91E	49–1	3.3,3.5b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=67.8km s-min=31.1km az=58.0.							
ISCJB	Event type fe. Error ellipse: s-maj=12.1km s-min=7.6km az=30.7.							
JMA	Event type fe.							
	(1) Central Alaska							
ISC	**VIII**	**07 10 24 57.2–1.1**	**63.38N–.02**	**145.14W–.03**	**3–8**	**3.8b,3.4s**	**128**	**0-145**
ISCJB	VIII	07 10 24 57.6–.41	63.38N–.02	145.14W–.04	11–3	3.8b,3.4s		**¶601529217**
NEIC	VIII	07 10 24 57.8–.00	63.34N	145.18W	5	4.1L,4.1W		
IDC	VIII	07 10 24 57.5–.51	63.45N	145.05W	0	3.9,3.8L		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=160.6.							
NEIC	Event type fe. Felt at Delta Junction, Fairbanks and Tok. After AEIC. Moment Tensor Solution. s86 Moment tensor: Scale 10^{15}Nm; M_{rr}1.14 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.15 $M_{r\theta}$-1.36 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s260.00000°,δ71.00000°,λ67.00000°. NP2:ϕ_s132.00000° ,δ29.00000°,λ138.00000°. Principal axes: T 1.9900,Plg58.0000°,Azm139.0000° ; N -0.0600,Plg21.0000°,Azm268.0000°; P -1.9300,Plg23.0000°,Azm7.0000° $M_0$2.00000×10^{15}							
IDC	Error ellipse: s-maj=11.4km s-min=7.1km az=47.0.							
	(115) Near coast of Peru							
ISC	**VIII**	**07 10 31 03.1–.37**	**13.47S–.05**	**76.88W–.08**	**28**	**4.7b,4.0s**	**336**	**1-157**
IDC	VIII	07 10 30 58.4–.50	13.49S	76.93W	0	4.5,4.4		**¶601529219**
ISCJB	VIII	07 10 31 01.0–.18	13.46S–.03	76.87W–.04	28	4.7b,4.0s		
NEIC	VIII	07 10 31 03.4–.62	13.43S	76.79W	30–4	5.4L,4.7b		
BJI	VIII	07 10 31 04.0	13.40S	76.80W	33	5.1s,4.7b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=16.0km s-min=10.1km az=72.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.5km s-min=3.3km az=155.8.							
NEIC	Event type fe. Error ellipse: s-maj=6.2km s-min=2.9km az=62.0. Felt [III] at San Vicente de Canete and [II] at Ica and Lima. Also felt at San Luis.							
	(227) Eastern Honshu							
ISC	**VIII**	**07 11 43 25.3–.96**	**37.81N–.03**	**140.02E–.03**	**18–4**	**3.5b**	**26**	**0-58**
IDC	VIII	07 11 43 21.7–1.5	37.88N	140.20E	0	3.7,3.5		**¶601765600**
ISCJB	VIII	07 11 43 25.8–.41	37.80N–.03	140.01E–.04	15–8	3.5b,3.5		
JMA	VIII	07 11 43 25.9	37.81N	140.00E	9–1	3.3,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=37.6km s-min=16.6km az=134.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=41.1.							
JMA	Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s188.00000°,δ52.00000°,λ77.00000°. NP2:ϕ_s28.00000°,δ40.00000°,λ106.00000°. Principal axes: T Plg78.0000°,Azm48.0000°; N Plg10.0000°,Azm196.0000°; P Plg6.0000° ,Azm287.0000°							
	(123) Northern Chile							
ISC	**VIII**	**07 12 28 37.3–.50**	**21.29S–.04**	**69.86W–.06**	**56–4**	**4.1b,3.4s**	**76**	**0-146**
ISCJB	VIII	07 12 28 37.0–.29	21.32S–.03	69.77W–.06	70–3	3.9b,3.4s		**¶601529227**
GUC	VIII	07 12 28 37.5–.63	21.30S	69.88W	54–2	4.4L,3.4s		
IDC	VIII	07 12 28 37.5–.72	21.23S	69.73W	60–5	3.9,3.8		
NEIC	VIII	07 12 28 38.0–.00	21.32S	69.86W	48	4.4L,4.1b		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=8.7.							
GUC	Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.							
IDC	Error ellipse: s-maj=19.3km s-min=17.1km az=71.0.							
NEIC	Event type fe. Felt [III] at Quillagua and [II] at Pica and Tocopilla. After GUC.							
	(123) Northern Chile							
ISC	**VIII**	**07 13 34 04.6–.51**	**25.37S–.03**	**69.11W–.06**	**110–5**	**4.3b**	**91**	**1-149**
ISCJB	VIII	07 13 34 03.6–.33	25.37S–.02	69.12W–.07	104–5	4.0b		**¶601529231**
SJA	VIII	07 13 34 03.8–.61	25.45S	69.63W	33	3.9W,3.8L		
GUC	VIII	07 13 34 04.2–.52	25.37S	69.15W	117–13	4.3L,3.8L		
NEIC	VIII	07 13 34 04.0–.00	25.36S	69.14W	119	4.4L,4.0b		
IDC	VIII	07 13 34 06.7–.60	25.30S	68.93W	111–4	4.2,4.0		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=10.3km s-min=3.2km az=177.1.							
SJA	Error ellipse: s-maj=4.0km s-min=12.2km az=-1.0.							
GUC	Error ellipse: s-maj=1.5km s-min=7.1km az=-1.0.							
NEIC	Event type fe. Felt [III] at Diego de Almagro and [II] at Taltal. After GUC.							
IDC	Error ellipse: s-maj=18.3km s-min=16.2km az=81.0.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**07 13 49 02.1–1.9**	**38.28N–.04**	**142.19E–.08**	**24–13**	**3.6b**	**28**	**1-58**
IDC	VIII	07 13 48 57.6–1.9	38.61N	142.41E	0	3.4,3.4		**¶601765607**
NIED	VIII	07 13 49 00	38.30N	142.10E	38	3.6W,3.4		
JMA	VIII	07 13 49 04.9–.10	38.35N	142.09E	35–1	3.9,3.4		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=42.2km s-min=22.9km az=91.0.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s123.00000°,δ71.00000°,λ0.00000°. NP2:ϕ_s33.00000°,δ90.00000°,λ161.00000°. $M_0$3.00000×10^{14}							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
	(78) Costa Rica							
ISC	**VIII**	**07 16 10 58.9–.47**	**10.31N–.05**	**84.43W–.05**	**95–4**	**4.5b**	**562**	**0-151**
ISCJB	VIII	07 16 10 58.4–.23	10.17N–.03	84.51W–.03	114–2	4.5b		**¶601529235**
NEIC	VIII	07 16 10 58.4–.33	10.31N	84.44W	87	5.0,4.6b		
IDC	VIII	07 16 10 58.4–.44	10.45N	84.41W	87–5	4.4,4.2		
UCR	VIII	07 16 11 00.2–1.5	10.29N	84.40W	87–5	4.6b,3.9L		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=6.1km s-min=3.0km az=34.3.							
NEIC	Event type fe. Error ellipse: s-maj=7.4km s-min=4.5km az=34.0. Felt [III] at San Jose and [II] at Alajuela and San Felipe. Also felt at Atenas, Cartago, Colon, Escazu, Heredia, Jaco, Laguna, Mercedes, Nandayure, Quepos, Quesada, Salitral, San Isidro, San Pedro, San Rafael Abajo, Santa Ana and Santiago.							
IDC	Error ellipse: s-maj=14.2km s-min=9.9km az=32.0.							
UCR	Error ellipse: s-maj=4.7km s-min=4.7km az=-1.0.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**07 16 11 19.8–.92**	**39.13N–.04**	**142.37E–.05**	**42–8**	**4.6b,3.8s**	**281**	**1-155**
NIED	VIII	07 16 11 00	39.10N	142.40E	35	4.6W,3.8s		**¶601529236**

JMA VIII 07 16 11 17.7–.10 39.12N 142.43E 33–1 4.7,3.8s
ISCJB VIII 07 16 11 18.5–.44 39.11N–.03 142.34E–.03 42–3 4.6b,3.9s
BJI VIII 07 16 11 19.1 39.08N 142.37E 56 5.0b,4.7b
NEIC VIII 07 16 11 20.9–.38 39.10N 142.32E 51–3 4.7b,4.7b
IDC VIII 07 16 11 20.7–1.6 39.05N 142.34E 50–15 4.4,4.3L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ22.00000°,λ-127.00000°. NP2:ϕ_s173.00000°,δ72.00000°,λ-76.00000°. $M_0$1.05000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s303.00000°,δ64.00000°,λ-128.00000°. NP2:ϕ_s184.00000°,δ45.00000°,λ-38.00000°. Principal axes: T Plg11.0000°,Azm60.0000°; N Plg34.0000°,Azm323.0000°; P Plg54.0000° ,Azm165.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=138.1.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=142.0. Felt at Morioka and Sendai. Recorded [3 JMA] in Iwate.
IDC Error ellipse: s-maj=12.0km s-min=9.6km az=109.0.

(129) Salta Province

ISC VIII 07 20 36 44.3–.52 22.57S–.05 63.87W–.06 35 4.5b,3.5s 71 2-154
SJA VIII 07 20 36 41.5–.87 22.61S 63.89W 69–28 4.2W,4.2L **¶601713624**
ISCJB VIII 07 20 36 42.5–.32 22.59S–.04 63.79W–.04 33 4.5b,3.6s
IDC VIII 07 20 36 44.3–4.8 22.52S 63.96W 29–34 4.1,4.1
NEIC VIII 07 20 36 44.5–1.7 22.54S 63.90W 30–11 4.6b,4.2
ISC Event type fe.
SJA Error ellipse: s-maj=6.6km s-min=14.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=37.1.
IDC Error ellipse: s-maj=22.6km s-min=16.2km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=7.3km az=217.0. Felt [III] in the epicentral area. Also felt at Tartagal.

(118) Peru-Bolivia border region

ISC VIII 07 21 43 52.5–.52 17.99S–.04 69.81W–.07 98–5 4.2b 73 0-150
ISCJB VIII 07 21 43 51.6–.37 18.03S–.04 69.88W–.06 109–4 4.2b **¶601564308**
NEIC VIII 07 21 43 51.5–.52 17.99S 69.70W 90–5 4.4L,4.4b
GUC VIII 07 21 43 52.7–.48 18.01S 69.92W 89–3 4.3L,4.4b
IDC VIII 07 21 43 54.0–.91 18.09S 69.69W 109–7 4.3,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=6.7km az=178.5.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.6km az=82.0. Felt [III] at Alcerreca and Arica. Felt [II] at Tacna, Peru.
GUC Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=11.7km az=119.0.

(196) Irian Jaya region

ISC VIII 07 22 48 06.1–1.8 0.69S–.04 133.81E–.04 28–12 4.5b,3.7s 83 1-153
IDC VIII 07 22 48 02.6–.62 0.60S 133.85E 0 4.3,4.2 **¶601533473**
ISCJB VIII 07 22 48 04.9–.28 0.66S–.03 133.87E–.04 33 4.5b,3.6s
NEIC VIII 07 22 48 04.3–4.2 0.62S 133.80E 15–26 4.6b,3.6s
BJI VIII 07 22 48 05.5 0.35S 133.93E 32 4.9b,4.8b
DJA VIII 07 22 48 05.2–1.1 1S–5.0 134E–4.0 19–13 4.7,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Manokwari.

(228) Near east coast of eastern Honshu

ISC VIII 07 23 54 08.4–.89 36.91N–.03 141.29E–.05 24–5 4.4b,3.6s 126 0-152
NIED VIII 07 23 54 00 36.90N 141.40E 8 4.1W,3.6s **¶601532042**
JMA VIII 07 23 54 06.3–.10 36.89N 141.38E 33–1 4.4,3.6s
ISCJB VIII 07 23 54 06.8–.70 36.89N–.02 141.33E–.04 25–4 4.4b,3.5s
BJI VIII 07 23 54 08.1 36.90N 141.20E 34 5.0b,4.5b
IDC VIII 07 23 54 11.0–1.8 36.87N 141.14E 45–17 4.3,4.2
NEIC VIII 07 23 54 11.0–.62 36.89N 141.21E 45–5 4.4b,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ41.00000°,λ-97.00000°. NP2:ϕ_s219.00000°,δ49.00000°,λ-84.00000°. $M_0$1.68000×10^{15}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=15.3.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.0km az=135.0. Felt at Hitachi, Iwaki and Sukagawa. Recorded [2 JMA] in Fukushima and Ibaraki.

(366) Turkey

ISC VIII 07 23 57 38.6–.86 38.71N–.01 28.06E–.01 11–6 3.7b,3.1s 366 0-62
ATH VIII 07 23 57 37.5 38.67N 28.00E 17–1 3.9L,3.1s **¶601531850**
ISCJB VIII 07 23 57 37.7–.27 38.71N–.01 28.07E–.01 9–2 3.7b,3.1s
DDA VIII 07 23 57 37.5 38.72N 28.05E 22 4.2L,3.1s
NEIC VIII 07 23 57 37.6–.00 38.68N 28.06E 9 4.1L,4.0b
ISK VIII 07 23 57 37.4 38.69N 28.07E 11–0 4.1L,4.0b
THE VIII 07 23 57 38.0 38.64N 28.10E 0–0 3.9L,4.0b
PDG VIII 07 23 57 38.5–.55 38.69N 28.06E 14–0 3.9L,4.0b
IDC VIII 07 23 57 40.9–2.7 38.63N 28.13E 32–23 3.8L,3.6
ISC Event type fe.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=248.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.7km az=21.6.
DDA Event type ke.
NEIC Event type fe. Felt at Aydin. After ISK.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=66.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=15.0km s-min=12.2km az=24.0.

(224) Hokkaido region

ISC VIII 08 01 19 48.6–.41 41.96N–.03 142.35E–.03 70–3 4.4b 316 0-147
NIED VIII 08 01 19 00 42.00N 142.30E 65 4.4W **¶601531852**
BJI VIII 08 01 19 46.5 41.92N 142.45E 83 5.1b,4.7b
ISCJB VIII 08 01 19 47.2–.22 41.98N–.02 142.31E–.03 70–1 4.3b,4.7b
JMA VIII 08 01 19 47.1–.20 41.96N 142.34E 70–3 4.1,4.7b
MOS VIII 08 01 19 47.5–.96 42.03N 142.30E 73 4.8b,4.7b
NEIC VIII 08 01 19 49.2–.40 42.04N 142.28E 72–3 4.5b,4.7b
IDC VIII 08 01 19 49.1–.65 42.03N 142.28E 74–5 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ28.00000°,λ71.00000°. NP2:ϕ_s23.00000°,δ64.00000°,λ100.00000°. $M_0$4.12000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=144.9.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ65.00000°,λ96.00000°. NP2: ϕ_s194.00000°,δ25.00000°,λ77.00000°. Principal axes: T Plg69.0000°,Azm311.0000° ; N Plg6.0000°,Azm206.0000°; P Plg20.0000°,Azm114.0000°
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=161.0. Recorded [2 JMA] in south-central Hokkaido. Recorded [1 JMA] in Iwate, Honshu.
IDC Error ellipse: s-maj=10.5km s-min=7.4km az=111.0.

(129) Salta Province

ISC VIII 08 05 28 21.6–.75 24.13S–.05 65.13W–.10 35 4.1b 28 1-146
SJA VIII 08 05 28 17.4–.54 24.13S 64.89W 14–4 3.9W,3.9L **¶601741051**
ISCJB VIII 08 05 28 19.3–.48 24.03S–.04 65.04W–.07 33 4.0b,3.1s
NEIC VIII 08 05 28 21.1–2.3 24.00S 65.13W 34–18 3.9,3.8b
IDC VIII 08 05 28 22.5–4.0 23.94S 64.89W 35–30 4.1L,4.0
ISC Event type fe.
SJA Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.8km az=13.2.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=9.3km az=92.0. Felt [IV] at San Pedro and [III] at San Salvador de Jujuy.
IDC Error ellipse: s-maj=32.2km s-min=23.0km az=62.0.

(43) Southern California

ISC VIII 08 06 23 32.1–1.1 33.82N–.02 117.83W–.02 1–8 3.7b 280 0-95
ISCJB VIII 08 06 23 32.6–.30 33.85N–.01 117.82W–.01 8–2 3.9b,3.3s **¶601531858**
IDC VIII 08 06 23 33.6–1.6 33.86N 117.75W 0 3.9,3.7L
NEIC VIII 08 06 23 34.1–.00 33.91N 117.79W 10 4.5L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=30.2.
IDC Error ellipse: s-maj=23.6km s-min=10.6km az=45.0.
NEIC Event type fe. Felt [V] at Compton and [IV] at Anaheim, Brea, Fullerton, La Habra, Los Angeles, Maywood, Orange, Placentia, Sunset Beach, Villa Park, Whittier and Yorba Linda. Felt in much of Los Angeles and Orange Counties and in parts of Kern, Riverside, San Bernardino, San Diego, Santa Barbara and Ventura Counties. Also felt at Rosarito, Baja California. After PAS.

(245) Northeast of Taiwan

ISC VIII 08 07 11 01.9–.26 25.87N–.02 125.06E–.02 137–2 5.4b 1638 1-178
BJI VIII 08 07 10 58.5 25.75N 125.30E 130 5.4b,5.4b **¶601531861**
ISCJB VIII 08 07 11 00.5–.17 25.88N–.01 124.96E–.02 130–1 5.3b,5.4b
MOS VIII 08 07 11 00.4–1.1 25.98N 124.93E 130 5.5b,4.2s
NIED VIII 08 07 11 00 26.00N 124.90E 116 5.4W,4.2s
IDC VIII 08 07 11 01.5–.84 25.91N 125.03E 131–7 5.3,5.0
GCMT VIII 08 07 11 01.9–.10 25.77N–.01 125.06E–.01 141–0 5.4W,5.0
JMA VIII 08 07 11 01.3–.10 25.92N 124.99E 123 5.5,5.0
NEIC VIII 08 07 11 01.9–.34 25.87N 124.92E 133–3 5.5b,5.4W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=144.5.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=110.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s124.00000°,δ59.00000°,λ-152.00000°. NP2:ϕ_s19.00000°,δ67.00000°,λ-35.00000°. $M_0$1.26000×10^{17}
IDC Error ellipse: s-maj=7.4km s-min=6.1km az=83.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c182; s124,c237;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$1.08±.03; $M_{r\theta}$-1.01±.02; $M_{\theta\phi}$-0.67±.02; $M_{\theta r}$-0.55±.02; Best double couple: NP1:ϕ_s18.00000°,δ67.00000°,λ-38.00000°. NP2:ϕ_s125.00000°,δ55.00000°,λ-151.00000°. Principal axes: T 1.3460,Plg7.0000° ,Azm74.0000°; N 0.4590,Plg46.0000°,Azm171.0000°; P -1.8070,Plg43.0000°,Azm337.0000° $M_0$1.57600×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=138.0. Felt [II] on Okinawa, Ryukyu Islands. Recorded [2 JMA] on Ishigaki-jima, Miyako-jima and Tarama-shima. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.68 $M_{r\theta}$-1.09 $M_{\theta\phi}$-0.53 $M_{\theta r}$-0.70 Best double couple: NP1:ϕ_s25.00000°,δ78.00000°,λ-54.00000°. NP2:ϕ_s131.00000°,δ38.00000°,λ-160.00000°. Principal axes: T 1.0100,Plg24.0000° ,Azm88.0000°; N 0.7400,Plg35.0000°,Azm197.0000°; P -1.7500,Plg45.0000°,Azm331.0000° $M_0$1.50000×10^{17}

(182) Fiji Islands

ISC VIII 08 10 57 46.1–.22 16.14S–.04 178.23E–.03 26 5.5b,5.4s 1125 8-177
IDC VIII 08 10 57 41.6–.37 16.16S 178.13E 0 5.2,5.2 **¶601531885**
MOS VIII 08 10 57 44.8–1.1 16.09S 178.08E 28 5.6b,5.4s
NEIC VIII 08 10 57 44.3–.11 16.02S 178.06E 13 6.0,5.9W
WEL VIII 08 10 57 44.0 16.02S 178.06E 13 6.0,5.9W
ISCJB VIII 08 10 57 44.7–.10 16.04S–.02 178.08E–.02 26 5.4s,5.4b
NEIC VIII 08 10 57 44.0–.00 15.94S 178.14E 15 5.4s,5.4b
GCMT VIII 08 10 57 51.3–.10 16.05S 178.15E 14–0 5.9W,5.4b
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.9km az=100.0.
MOS Error ellipse: s-maj=7.8km s-min=7.0km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=138.0. Felt at Lami, Navua, Rakiraki, Savusavu and Suva. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$5.08 $M_{r\theta}$0.94 $M_{\theta\phi}$6.41 $M_{\theta r}$0.94 Best double couple: NP1:ϕ_s73.00000°,δ88.00000°,λ8.00000°. NP2:ϕ_s342.00000°,δ82.00000° ,λ178.00000°. Principal axes: T 8.6000,Plg7.0000°,Azm298.0000°; N -1.3900,Plg82.0000° ,Azm89.0000°; P -7.2100,Plg4.0000°,Azm207.0000° $M_0$8.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s302.00000°,δ71.00000° ,λ-159.00000°. NP2:ϕ_s205.00000°,δ70.00000°,λ-20.00000°. Principal axes: T Plg1.0000° ,Azm73.0000°; N Plg0.0000°,Azm0.0000°; P Plg28.0000°,Azm164.0000°
WEL manual. confirmed.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=147.4.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ78.00000° ,λ-142.00000°. NP2:ϕ_s252.00000°,δ53.00000°,λ-15.00000°. Principal axes: T 1.1300,Plg15.0000°,Azm117.0000°; N -0.2900,Plg50.0000°,Azm6.0000° ; P -0.8400,Plg34.0000°,Azm218.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c281; s147,c484; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29±.01 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$0.69±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.74±.01; $M_{\theta r}$-0.12±.01; Best double couple: NP1:ϕ_s342.00000°,δ85.00000° ,λ-170.00000°. NP2:ϕ_s252.00000°,δ80.00000°,λ-5.00000°. Principal axes: T 1.0740,Plg4.0000°,Azm117.0000°; N -0.2830,Plg79.0000°,Azm7.0000° ; P -0.7920,Plg10.0000°,Azm207.0000° $M_0$0.93300×10^{18}

(12) Alaska Peninsula

ISC VIII 08 14 05 17.8–.39 54.83N–.05 161.25W–.03 46–2 5.4b,4.2s 1781 0-163
MOS VIII 08 14 05 14.5–.89 54.94N 161.23W 28 5.5b,4.1s **¶601532049**
BJI VIII 08 14 05 15.1 55.00N 161.20W 56 5.0b,5.0b
IDC VIII 08 14 05 17.9–.52 54.90N 161.29W 43–4 5.0,5.0L
NEIC VIII 08 14 05 17.9–.09 54.88N 161.21W 43 5.6b,5.4L
ISCJB VIII 08 14 05 17.7–.21 54.92N–.02 161.15W–.02 57–1 5.4b,4.2s
GCMT VIII 08 14 05 19.9–.20 54.75N–.02 161.11W–.02 51–2 5.1W,4.2s
ISC Event type fe.
NEIC Event type fe. Felt at King Cove and Sand Point. Moment Tensor Solution. s19 Moment tensor: Scale 10^{16}Nm; M_{rr}4.01 $M_{\theta\theta}$-6.05 $M_{\phi\phi}$2.04 $M_{r\theta}$-2.07 $M_{\theta\phi}$2.99 $M_{\theta r}$-2.94 Best double couple: NP1:ϕ_s141.00000°,δ52.00000°,λ144.00000°. NP2:ϕ_s255.00000° ,δ62.00000°,λ43.00000°. Principal axes: T 7.0400,Plg49.0000°,Azm113.0000° ; N 0.1100,Plg40.0000°,Azm281.0000°; P -7.1500,Plg6.0000°,Azm16.0000° $M_0$7.10000×10^{16}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c65; s102,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.94±.21 $M_{\theta\theta}$-4.48±.18; $M_{\phi\phi}$2.54±.15; $M_{r\theta}$1.69±.19; $M_{\theta\phi}$3.22±.13; $M_{\theta r}$-3.68±.15; Best double couple: NP1:ϕ_s149.00000°,δ78.00000°,λ136.00000°. NP2:ϕ_s251.00000°,δ47.00000°,λ16.00000°. Principal axes: T 6.0980,Plg39.0000° ,Azm100.0000°; N 0.6960,Plg45.0000°,Azm318.0000°; P -6.7940,Plg20.0000° ,Azm207.0000° $M_0$6.44600×10^{16}

(228) Near east coast of eastern Honshu

JMA VIII 08 14 09 12.9–.10 39.11N 142.12E 46–1 3.5
NIED VIII 08 14 09 00 39.10N 142.10E 47 3.5W **¶606008631**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ25.00000°,λ96.00000°. NP2:ϕ_s26.00000°,δ65.00000°,λ87.00000°. $M_0$2.18000×10^{14}

(43) Southern California

ISC VIII 08 16 33 20.7–1.1 33.85N–.02 117.78W–.02 6–8 4.2b,3.5s 253 0-117
ISCJB VIII 08 16 33 20.4–.32 33.88N–.01 117.79W–.01 9–2 4.4b,3.5s **¶601532051**
IDC VIII 08 16 33 21.7–1.4 33.85N 117.80W 0 4.1,3.8
NEIC VIII 08 16 33 22.1–.00 33.90N 117.79W 10 4.5L,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=28.4.
IDC Error ellipse: s-maj=20.3km s-min=11.9km az=43.0.
NEIC Event type fe. Felt [V] at Anaheim and Brea; [IV] at Chino Hills, Encino, Fullerton, La Habra, Long Beach, Orange, Panorama City, Placentia, Villa Park, Whittier and Yorba Linda. Felt throughout the Los Angeles Basin and as far south as San Diego. After PAS.

(111) Northern Peru

ISC VIII 08 19 07 12.7–.98 6.40S–.07 75.8W–.10 35 4.2b 13 6-89
IDC VIII 08 19 07 08.3–2.0 6.44S 75.83W 0 4.2b,4.1 **¶601734835**
ISCJB VIII 08 19 07 10.3–.75 6.41S–.06 75.9W–.10 33 4.1b,3.2s
NEIC VIII 08 19 07 11.9–1.1 6.51S 75.99W 35 4.4L,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=44.4km s-min=24.2km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=7.8km az=5.3.
NEIC Event type fe. Error ellipse: s-maj=22.2km s-min=11.2km az=93.0. Felt [III] at Yurimaguas.

(221) Kuril Islands

ISC VIII 08 19 10 11.4–1.3 50.21N–.09 156.91E–.06 48–15 3.2b 89 1-76
IDC VIII 08 19 10 05.7–1.4 49.96N 157.11E 0 3.7,3.4 **¶601533181**
MOS VIII 08 19 10 10.8–1.1 50.23N 156.61E 59 4.6b,3.4
ISCJB VIII 08 19 10 11.8–.76 50.31N–.07 156.7E–.10 68–8 3.0b,3.4
KRSC VIII 08 19 10 11.6–2.3 50.33N 157.20E 50–20 4.5L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=74.7km s-min=27.8km az=115.0.
MOS Event type fe. Error ellipse: s-maj=16.7km s-min=4.1km az=75.9. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=5.5km az=44.8.
KRSC Event type se.

(228) Near east coast of eastern Honshu

JMA VIII 09 04 33 01.0–.10 38.30N 141.87E 47–1 3.5 ¶606008997
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(162) South Island
WEL VIII 09 08 03 05.6–.40 44S–2.0 173E–2.0 8–2 3.7L
NEIC VIII 09 08 03 05.9–.00 43.59S 172.76E 8 3.7L ¶601533189
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type fe. Felt at Christchurch. After WEL.

(285) Sumbawa region
ISC VIII 09 11 04 25.8–.39 8.87S–.03 116.36E–.03 119–3 5.1b 1226 1-163
KLM VIII 09 11 04 23.0 9.03S 116.39E 118 5.4b ¶601533195
BJI VIII 09 11 04 24.7 8.80S 116.30E 117 5.0b,5.0b
ISCJB VIII 09 11 04 24.9–.23 8.77S–.02 116.38E–.02 124–2 5.1b,5.0b
GCMT VIII 09 11 04 24.9–.20 8.98S–.01 116.34E–.02 118–2 5.0W,5.0b
NEIC VIII 09 11 04 24.9–.39 8.72S 116.36E 107–3 5.3b,5.0b
IDC VIII 09 11 04 26.2–.82 8.69S 116.35E 118–6 5.1,4.8
MOS VIII 09 11 04 26.5–1.3 8.46S 116.34E 127 4.9b,4.8
DJA VIII 09 11 04 26.0–.20 9S–2.0 116E–1.0 93–2 5.8,5.7b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c64; s99,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.11 $M_{\theta\theta}$-2.28±.14; $M_{\phi\phi}$-1.14±.16; $M_{r\theta}$-1.66±.09; $M_{\theta\phi}$-3.07±.12; $M_{\phi r}$1.17±.12; Best double couple: NP1:ϕ_s258.00000°,δ56.00000°,λ128.00000°. NP2:ϕ_s23.00000°,δ49.00000°,λ47.00000°. Principal axes: T 4.6410,Plg59.0000° ,Azm225.0000°; N 0.2280,Plg31.0000°,Azm54.0000°; P -4.8690,Plg4.0000°,Azm321.0000° $M_0$4.75500×10^{16}
NEIC Event type fe. Felt [III] at Lombok and Mataram and [II] at Praya. Felt [IV] at Karangasem; [III] at Denpasar, Kuta and Ubud; [II] at Jimbarancarik, Bali. Also felt at Klungkung and Tabanan. Felt on Sumbawa.

(71) Near coast of Guatemala
ISC VIII 09 12 36 22.1–.38 13.18N–.04 90.31W–.04 24 4.7b,4.1s 688 1-147
IDC VIII 09 12 36 19.0–.62 13.45N 89.75W 0 4.4,4.2 ¶601533521
ISCJB VIII 09 12 36 21.7–.20 13.27N–.02 90.30W–.02 24 4.6b,4.0s
UCR VIII 09 12 36 24.5–1.8 13.18N 90.25W 25–6 4.7b,4.6L
GCMT VIII 09 12 36 25.6–.30 13.20N–.02 90.41W–.02 26–1 5.0W,4.6L
NEIC VIII 09 12 36 27.6–.40 13.30N 90.09W 63–3 4.9,4.8
MEX VIII 09 12 36 31.2–.50 13.47N 90.97W 1–83 4.9,4.8
ISC Event type fe.
IDC Error ellipse: s-maj=26.2km s-min=12.9km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=26.0.
UCR Error ellipse: s-maj=4.9km s-min=11.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c51; s94,c140;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.79±.12 $M_{\theta\theta}$-3.72±.10; $M_{\phi\phi}$2.93±.11; $M_{r\theta}$1.64±.19; $M_{\theta\phi}$0.35±.09; $M_{\phi r}$-0.07±.19; Best double couple: NP1:ϕ_s227.00000°,δ78.00000°,λ-13.00000°. NP2:ϕ_s319.00000°,δ77.00000°,λ-167.00000°. Principal axes: T 2.9490,Plg0.0000° ,Azm273.0000°; N 1.3230,Plg72.0000°,Azm4.0000°; P -4.2710,Plg18.0000°,Azm183.0000° $M_0$3.61000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=218.0. Felt [III] at San Salvador. Also felt at Antigua Guatemala, Guatemala and Jocotenango, Guatemala.
MEX Error ellipse: s-maj=52.0km s-min=49.6km az=-1.0.

(731) North of Honduras
ISC VIII 09 14 16 47.3–.58 16.89N–.05 86.61W–.07 10 4.0b,3.4s 179 3-94
UCR VIII 09 14 16 44.4–1.2 17.01N 86.23W 171–195 4.1,4.1b ¶601533524
NEIC VIII 09 14 16 45.9–.55 16.91N 86.57W 10 4.1b,4.1b
ISCJB VIII 09 14 16 46.2–.28 16.93N–.02 86.39W–.05 10 3.9b,3.3s
IDC VIII 09 14 16 46.9–1.4 17.23N 86.13W 0 4.1,3.9
ISC Event type fe.
UCR Error ellipse: s-maj=67.6km s-min=25.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=8.7km az=60.0. Felt on Roatan.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=2.7km az=18.2.
IDC Error ellipse: s-maj=37.3km s-min=25.0km az=35.0.

(34) Off coast of northern California
ISC VIII 09 15 24 26.8–1.5 40.78N–.04 125.08W–.06 17–9 4.6b,3.4s 645 1-98
ISCJB VIII 09 15 24 25.3–.50 40.74N–.01 125.10W–.03 20–3 4.5b,3.3s ¶601533527
IDC VIII 09 15 24 25.6–.68 40.97N 124.91W 0 4.2,4.1
NEIC VIII 09 15 24 26.7–.00 40.76N 125.20W 25 4.7b,4.4W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.9km az=167.2.
IDC Error ellipse: s-maj=14.3km s-min=8.6km az=179.0.
NEIC Event type fe. Felt [II] at Arcata, Eureka, Ferndale and Fortuna. Also felt at Samoa. After NCEDC. Moment Tensor Solution. $M_0$4.70000×10^{15}

(2) Southern Alaska
ISC VIII 09 16 43 22.9–.57 60.33N–.03 147.55W–.02 11–3 4.9b,3.9s 1165 1-161
BJI VIII 09 16 43 20.0 60.30N 147.50W 6 5.0b,4.8s ¶601534334
MOS VIII 09 16 43 21.1–.90 60.42N 147.65W 10 5.1b,4.0s
ISCJB VIII 09 16 43 21.2–.10 60.41N–.02 147.56W–.03 10 4.8b,4.0s
NEIC VIII 09 16 43 24.6–.00 60.38N 147.53W 4 4.9b,4.8L
GCMT VIII 09 16 43 25.6–.40 60.29N–.04 147.61W–.04 30–1 4.8W,4.8L
IDC VIII 09 16 43 26.4–1.9 60.41N 147.56W 33–14 4.6,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=4.4km az=99.1.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=38.1.
NEIC Event type fe. Felt [III] at Anchorage, Copper Center, Girdwood, Palmer and Valdez and [II] at Chugiak, Cordova, Eagle River and Wasilla. Also felt at Cooper Landing, Elmendorf AFB, Fort Richardson, Glenallen, Homer, Moose Pass, Seward, Talkeetna and Willow. After AEIC. Moment Tensor Solution. s10 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.10 $M_{\theta\theta}$0.49 $M_{\phi\phi}$5.62 $M_{r\theta}$-0.38 $M_{\theta\phi}$4.08 $M_{\phi r}$5.58 Best double couple: NP1:ϕ_s52.00000°,δ33.00000°,λ-50.00000°. NP2:ϕ_s188.00000°,δ66.00000°,λ-112.00000°. Principal axes: T 9.3800,Plg18.0000° ,Azm294.0000°; N -0.6300,Plg20.0000°,Azm197.0000°; P -8.7500,Plg63.0000° ,Azm62.0000° $M_0$9.10000×10^{15}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s59,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.53±.17 $M_{\theta\theta}$-0.13±.12; $M_{\phi\phi}$1.66±.10; $M_{r\theta}$-0.79±.17; $M_{\theta\phi}$0.80±.07; $M_{\phi r}$0.90±.12; Best double couple: NP1:ϕ_s173.00000°,δ61.00000°,λ-124.00000°. NP2:ϕ_s47.00000°,δ43.00000°,λ-45.00000°. Principal axes: T 2.0670,Plg10.0000° ,Azm287.0000°; N 0.1580,Plg29.0000°,Azm191.0000°; P -2.2290,Plg59.0000°,Azm34.0000° $M_0$2.14800×10^{16}
IDC Error ellipse: s-maj=9.0km s-min=7.8km az=13.0.

(160) Off east coast of North Island
ISC VIII 09 19 31 31.1–.68 37.84S–.03 177.55E–.03 52–5 4.4b,3.6s 260 0-155
IDC VIII 09 19 31 23.0–.92 37.47S 177.67E 0 4.4,4.4b ¶601534305
ISCJB VIII 09 19 31 30.4–.29 37.84S–.02 177.61E–.03 66–2 4.3b,4.4b
WEL VIII 09 19 31 31.3 38S–2.0 178E–1.0 40–2 4.6L,4.4b
NEIC VIII 09 19 31 31.6–.00 37.76S 177.58E 44 4.7L,4.5b
BJI VIII 09 19 31 31.0 38.00S 177.80E 59 4.9b,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=18.4km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=163.6.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the Opotiki area. After WEL.

(228) Near east coast of eastern Honshu
JMA VIII 09 20 36 42.7–.10 37.06N 141.20E 50–1 3.7
NIED VIII 09 20 36 00 37.00N 141.30E 44 3.4W ¶603653807
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ23.00000°,λ119.00000°. NP2:ϕ_s20.00000°,δ70.00000°,λ79.00000°. $M_0$1.63000×10^{14}

(228) Near east coast of eastern Honshu
ISC VIII 09 20 38 23.6–1.2 36.81N–.03 141.26E–.05 19–4 4.2b 55 0-90
NIED VIII 09 20 38 00 36.80N 141.30E 8 4.0W ¶601734861
ISCJB VIII 09 20 38 23.0–.84 36.80N–.03 141.29E–.06 27–5 4.2b,3.0s
JMA VIII 09 20 38 23.0–.10 36.78N 141.27E 37–1 4.3,3.0s
IDC VIII 09 20 38 28.8–1.8 36.75N 141.12E 61–16 4.1,4.0
NEIC VIII 09 20 38 29.3–1.3 36.74N 141.09E 66–10 4.8b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ50.00000°,λ-125.00000°. NP2:ϕ_s222.00000°,δ51.00000°,λ-56.00000°. $M_0$1.08000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=14.9.
JMA Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=9.8km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=9.1km az=107.0. Recorded [2 JMA] in Fukushima and Ibaraki.

(135) Near coast of central Chile
ISC VIII 09 21 51 43.9–1.5 28.70S–.04 71.44W–.06 10–9 4.3b 46 1-153
IDC VIII 09 21 51 43.6–.98 28.85S 71.21W 0 4.6b,4.1 ¶601551755
NEIC VIII 09 21 51 47.0–.00 28.74S 71.42W 42 4.3L,4.0b
GUC VIII 09 21 51 47.5–.68 28.74S 71.42W 42–3 4.3L,4.0b
SJA VIII 09 21 51 51.7–.62 28.91S 71.49W 42 4.3W,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=41.9km s-min=29.3km az=5.0.
NEIC Event type fe. Felt [III] at Copiapo, Freirina, Huasco and Tierra Amarilla; [II] at La Higuera and Vallenar. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=7.0km s-min=6.8km az=-1.0.

(228) Near east coast of eastern Honshu
ISC VIII 09 22 18 56.0–.95 36.77N–.04 140.57E–.05 17–8 3.4b 22 0-57
IDC VIII 09 22 18 55.8–1.7 37.19N 140.52E 0 3.5,3.3 ¶601765715
ISCJB VIII 09 22 18 56.9–.60 36.76N–.03 140.60E–.06 6–5 3.4b,3.3
JMA VIII 09 22 18 57.3 36.76N 140.59E 7–1 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=19.0km az=154.0.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=3.9km az=20.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s319.00000°,δ46.00000°,λ-95.00000°. NP2:ϕ_s147.00000°,δ44.00000°,λ-84.00000°. Principal axes: T Plg1.0000°,Azm53.0000°; N Plg4.0000°,Azm323.0000°; P Plg86.0000° ,Azm157.0000°

(88) Dominican Republic region
NEIC VIII 09 23 45 58.8–.41 19.01N 69.50W 41–9 4.1b ¶601541962
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=4.2km az=184.0. Felt at Las Terrenas and Samana.

(186) Vanuatu Islands
ISC VIII 10 00 33 10.2–.60 14.23S–.05 167.31E–.05 215–5 4.8b 424 8-172
IDC VIII 10 00 33 06.0–1.4 14.27S 167.42E 179–10 5.0,4.6 ¶601534312
MOS VIII 10 00 33 08.5–1.1 13.93S 166.97E 196 5.0b,4.6
BJI VIII 10 00 33 09.2 13.89S 167.45E 214 4.9b,4.9b
ISCJB VIII 10 00 33 10.4–.99 14.20S–.04 167.23E–.04 231–9 4.7b,4.9b
NEIC VIII 10 00 33 10.3–.73 14.19S 167.29E 217–7 4.7b,4.9b
GCMT VIII 10 00 33 10.3–.30 14.23S–.03 167.07E–.02 201–2 5.0W,4.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Port-Vila.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s73,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-0.65±.15; $M_{\phi\phi}$-2.66±.15; $M_{r\theta}$0.33±.14; $M_{\theta\phi}$0.53±.19; $M_{\phi r}$1.53±.14; Best double couple: NP1:ϕ_s356.00000°,δ58.00000°,λ99.00000°. NP2:ϕ_s159.00000°,δ33.00000°,λ75.00000°. Principal axes: T 3.7240,Plg75.0000° ,Azm293.0000°; N -0.6130,Plg8.0000°,Azm171.0000°; P -3.1090,Plg13.0000°,Azm79.0000° $M_0$3.41600×10^{16}

(228) Near east coast of eastern Honshu
ISC VIII 10 00 59 20.0–2.5 37.55N–.04 141.95E–.07 10–15 3.8b 28 1-61
NIED VIII 10 00 59 00 37.50N 141.90E 32 3.7W ¶601765719
IDC VIII 10 00 59 19.0–1.2 37.53N 141.96E 0 3.9,3.9L
JMA VIII 10 00 59 22.5–.10 37.56N 141.86E 33–3 3.9,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ35.00000°,λ155.00000°. NP2:ϕ_s339.00000°,δ76.00000°,λ57.00000°. $M_0$3.87000×10^{14}
IDC Error ellipse: s-maj=34.6km s-min=23.5km az=107.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu
JMA VIII 10 04 45 08.8–.10 38.43N 141.67E 54–1 3.5
NIED VIII 10 04 45 00 38.40N 141.70E 8 3.6W ¶603653950
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ72.00000°,λ11.00000°. NP2:ϕ_s223.00000°,δ79.00000°,λ161.00000°. $M_0$2.64000×10^{14}

(40) California-Nevada border region
ISC VIII 10 08 05 35.1–.85 37.32N–.01 118.38W–.02 14–7 172 0-9
NEIC VIII 10 08 05 35.0–.00 37.33N 118.39W 14 3.5L ¶601551760
ISC Event type fe.
NEIC Event type fe. Felt [II] at Bishop. Also felt at Shaver Lake. After NCEDC.

(228) Near east coast of eastern Honshu
ISC VIII 10 11 07 52.9–1.6 35.79N–.05 141.05E–.08 11–8 3.4b 16 0-51
NIED VIII 10 11 07 00 35.80N 141.10E 11 3.5W ¶601765726
ISCJB VIII 10 11 07 51.1–1.3 35.80N–.05 141.14E–.08 9–7 3.4b
JMA VIII 10 11 07 53.5–.20 35.76N 140.98E 15–1 3.6
IDC VIII 10 11 08 05.1–7.4 36.61N 140.25E 34–44 3.4,3.3L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ34.00000°,λ-106.00000°. NP2:ϕ_s20.00000°,δ58.00000°,λ-79.00000°. $M_0$1.89000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=8.5km az=19.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=103.1km s-min=28.4km az=154.0.

(230) Near south coast of eastern Honshu
JMA VIII 10 16 32 39.8 34.98N 139.27E 12–1 3.7
NIED VIII 10 16 32 00 35.00N 139.20E 8 3.4W ¶603654241
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s140.00000°,δ76.00000°,λ-32.00000°. NP2:ϕ_s238.00000°,δ59.00000°,λ-164.00000°. Principal axes: T Plg11.0000°,Azm192.0000°; N Plg56.0000°,Azm299.0000°; P Plg32.0000° ,Azm95.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ86.00000°,λ-180.00000°. NP2:ϕ_s327.00000°,δ90.00000°,λ-4.00000°. $M_0$1.45000×10^{14}

(73) El Salvador
ISC VIII 10 16 51 02.3–1.2 13.50N–.08 89.83W–.08 72–9 57 0-35
ISCJB VIII 10 16 51 00.9–.68 13.46N–.07 89.86W–.06 82–6 4.1b ¶601734866
NEIC VIII 10 16 51 00.0–.00 13.54N 89.83W 76 4.3,4.2b
UCR VIII 10 16 51 02.1–1.2 13.54N 89.80W 78–7 4.2L,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.6km s-min=5.4km az=39.9.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
UCR Error ellipse: s-maj=6.6km s-min=5.5km az=-1.0.

(546) Austria
ISC VIII 10 16 58 00.4–1.1 47.25N–.02 14.49E–.02 3–11 118 1-4
VIE VIII 10 16 57 59.7–.15 47.24N 14.47E 5–3 2.9L,2.4b ¶601541975
PRU VIII 10 16 58 00.3–.00 47.26N 14.45E 4 2.9L,2.4b
BGR VIII 10 16 58 00.9–.25 47.28N 14.50E 5 2.9L,2.4b
ROM VIII 10 16 58 03.8–.51 47.11N–.03 14.35E–.04 10 2.6L,2.4b
ISC Event type fe.
VIE Event type fe. 5 km NNE of Unzmarkt . felt 4 ems98 near Unzmarkt / Styria.
VIE Event type fe. Felt in Unzmarkt, some people awoke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

(228) Near east coast of eastern Honshu
JMA VIII 10 17 10 39.0–.10 38.39N 142.25E 29–1 3.8
NIED VIII 10 17 10 00 38.40N 142.30E 14 3.3W ¶603654255
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ31.00000°,λ-73.00000°. NP2:ϕ_s346.00000°,δ61.00000°,λ-100.00000°. $M_0$1.12000×10^{14}

(92) Leeward Islands
TRN VIII 11 02 05 34.6 15.19N 60.62W 58 3.9 ¶603369996
TRN Event type fe. Felt in Dominica, MMI II.

(238) Ryukyu Islands
ISC VIII 11 06 29 20.4–.84 24.96N–.05 126.79E–.04 27–5 4.6b,4.0s 225 1-144
NIED VIII 11 06 29 00 25.00N 126.80E 5 4.5W,4.0s ¶601551105
BJI VIII 11 06 29 15.1 24.74N 127.06E 21 4.6b,4.5b
IDC VIII 11 06 29 16.0–.68 24.91N 126.71E 0 4.5,4.4b
ISCJB VIII 11 06 29 18.9–.90 25.01N–.04 126.80E–.03 24–6 4.5b,4.0s
JMA VIII 11 06 29 19.8–.20 24.96N 126.85E 67 4.6,4.0s
NEIC VIII 11 06 29 20.0–1.4 24.94N 126.70E 21–9 4.8b,4.0s
MOS VIII 11 06 29 20.0–1.2 24.95N 126.70E 36 4.8b,4.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s285.00000°,δ51.00000°,λ-179.00000°. NP2:ϕ_s195.00000°,δ89.00000°,λ-39.00000°. $M_0$7.11000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=15.9km az=96.0.

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.1km az=147.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=4.4km az=147.0. Felt at Urasoe, Okinawa.
MOS Error ellipse: s-maj=9.4km s-min=5.6km az=111.4.

(251) Samar

ISC	**VIII**	**11 07 27 24.3–.78**	**11.45N–.03**	**125.51E–.05**	**50–6**	**4.4b,3.3s**	**121**	**0-149**
ISCJB	VIII	11 07 27 23.5–.46	11.43N–.03	125.57E–.05	58–4	4.4b,3.2s		**¶601565565**
NEIC	VIII	11 07 27 25.3–1.2	11.37N	125.55E	60–11	4.5b,3.2s		
MAN	VIII	11 07 27 25.4	11.45N	125.35E	33	4.8b,3.7L		
IDC	VIII	11 07 27 25.1–5.8	11.34N	125.52E	62–52	4.3,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=174.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.8km az=63.0. Felt [III PIVS] at Borongan, Hernani and Maydolong. Felt [II PIVS] at Tacloban, Leyte.
IDC Error ellipse: s-maj=28.3km s-min=13.2km az=72.0.

(115) Near coast of Peru

NEIC	**VIII**	**11 09 35 47.0–.00**	**11.45S**	**77.70W**	**69**	**4.5b,4.3L**		**¶601562029**

NEIC Event type fe. Felt [III] at Huacho and Lima. After ARE.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**11 10 30 07.5–.52**	**37.16N–.04**	**141.18E–.05**	**60–4**	**4.3b,3.7s**	**191**	**0-90**
NIED	VIII	11 10 30 00	37.10N	141.30E	59	4.3W,3.7s		**¶601551773**
BJI	VIII	11 10 30 05.4	36.98N	141.20E	54	4.9b,4.6b		
MOS	VIII	11 10 30 06.4–1.0	37.29N	141.17E	57	4.5b,4.6b		
ISCJB	VIII	11 10 30 07.2–.34	37.14N–.03	141.14E–.04	65–2	4.2b,4.6b		
JMA	VIII	11 10 30 07.5–.10	37.13N	141.18E	60–1	4.4,4.6b		
NEIC	VIII	11 10 30 08.7–.22	37.27N	141.07E	59	4.5b,4.6b		
IDC	VIII	11 10 30 09.7–1.8	37.12N	141.08E	77–17	4.2,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s76.00000°,δ11.00000°,λ159.00000°. NP2:ϕ_s187.00000°,δ86.00000°,λ79.00000°. $M_0$3.59000×10^{15}
MOS Error ellipse: s-maj=8.0km s-min=5.9km az=88.7.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=26.7.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=151.0. Felt at Edosaki, Hitachi, Iwaki and Mito. Recorded [3 JMA] in Fukushima.
IDC Error ellipse: s-maj=15.7km s-min=13.3km az=164.0.

(227) Eastern Honshu

JMA	**VIII**	**11 11 58 36.4**	**36.15N**	**137.56E**	**3–1**	**2.4**		**¶606010157**

JMA Event type fe.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**11 12 23 17.7–.38**	**38.40N–.02**	**46.84E–.01**	**9–2**	**6.6s,6.1b**	**2443**	**0-165**
ISN	VIII	11 12 23 11.8–1.3	38.59N	46.87E	0–49	6.2L,6.1b		**¶604084447**
AZER	VIII	11 12 23 12.4–9.8	38.31N	46.78E	9–0	6.4L,6.1b		
NSSP	VIII	11 12 23 14.0	38.42N	46.88E	10	6.4s,6.1b		
BJI	VIII	11 12 23 14.2	38.34N	46.82E	6	6.6,6.6s		
TEH	VIII	11 12 23 15.2	38.39N	46.81E	9	6.5L,6.6s		
NSSC	VIII	11 12 23 15.9–.94	38.15N	47.33E	37–999	4.8L,6.6s		
IDC	VIII	11 12 23 15.8–.29	38.36N	46.77E	0	6.5,6.5s		
MOS	VIII	11 12 23 16.3–1.3	38.36N	46.81E	11	6.5s,6.2b		
ISCJB	VIII	11 12 23 16.5–.31	38.30N–.01	46.810E–.01	13–2	6.6s,6.0b		
THR	VIII	11 12 23 17.3–.52	38.63N	46.91E	34–5	6.0L,6.0b		
NNC	VIII	11 12 23 17.5–5.5	38.59N	46.88E	0	6.4b,6.3		
NEIC	VIII	11 12 23 17.0–.00	38.38N	47.13E	11	6.4b,6.3		
DSN	VIII	11 12 23 18.4–.45	38.20N	46.98E	9	6.9s,6.2b		
NEIC	VIII	11 12 23 18.2–.14	38.33N	46.83E	11	6.9,6.7s		
GCMT	VIII	11 12 23 20.2–.10	38.31N	46.80E	15	6.5W,6.7s		
NEIC	VIII	11 12 23 33.2–.00	38.98N	46.55E	10	6.5W,6.7s		

ISC Event type de.
ISN Error ellipse: s-maj=49.9km s-min=36.0km az=-1.0.
AZER Error ellipse: s-maj=5.5km s-min=1.3km az=22.0.
NSSC Error ellipse: s-maj=553.0km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=7.4km s-min=6.6km az=21.0.
MOS Error ellipse: s-maj=3.9km s-min=2.5km az=129.6. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s354.00000°,δ90.00000°,λ0.00000°. NP2: ϕ_s84.00000°,δ90.00000°,λ180.00000°. Principal axes: T Plg0.0000°,Azm39.0000° ; N Plg90.0000°,Azm0.0000°; P Plg0.0000°,Azm309.0000° $M_0$4.10000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.1km az=14.5.
THR Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=52.3km s-min=35.3km az=43.0.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{18}Nm; M_{rr}0.19 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.45 $M_{r\theta}$2.15 $M_{\theta r}$-4.57 $M_{\phi r}$-1.16 Best double couple: NP1:ϕ_s86.00000° ,δ79.00000°,λ157.00000°. NP2:ϕ_s180.00000°,δ67.00000°,λ12.00000°. Principal axes: T 5.5400,Plg23.0000°,Azm41.0000°; N -0.7800,Plg64.0000°,Azm242.0000° ; P -4.7600,Plg8.0000°,Azm134.0000° $M_0$5.20000×10^{18}
DSN Error ellipse: s-maj=9.8km s-min=5.1km az=39.0.
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=2.4km az=183.0. At least 306 people killed, 3,000 injured, 4 villages destroyed and 60 heavily damaged in the epicentral area. Some buildings damaged at Tabriz. Power outages occurred and communications were disrupted. Felt [VI] at Tabriz and [V] at Orumiyeh. Also felt at Ahar, Maragheh, Marand, Meshgin Shahr, Rasht and Zanjan. Felt [III] at Yerevan, Armenia. Also felt at Kapan and Tsovazard. Felt [II] at Tbilisi, Georgia. Felt at Mincivan, Azerbaijan; Erbil, Iraq; Van, Turkey. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s82 Moment tensor: Scale 10^{18}Nm; M_{rr}0.20 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.87 $M_{\theta\phi}$-3.84 $M_{\phi r}$-0.39 Best double couple: NP1:ϕ_s355.00000°,δ77.00000°,λ-3.00000°. NP2: ϕ_s85.00000°,δ87.00000°,λ-167.00000°. Principal axes: T 3.8500,Plg7.0000°,Azm219.0000° ; N 0.3200,Plg77.0000°,Azm99.0000°; P -4.1700,Plg11.0000°,Azm311.0000° $M_0$4.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s85.00000°,δ89.00000°,λ-178.00000°. NP2:ϕ_s355.00000°,δ88.00000°,λ-1.00000°. Principal axes: T Plg1.0000°,Azm220.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm310.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c346; s148,c612; Duration: 4$\pm$1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.04$\pm$.03 $M_{\theta\theta}$0.51$\pm$.03; $M_{\phi\phi}$-1.55$\pm$.03; $M_{r\theta}$0.88$\pm$.10; $M_{\theta\phi}$-5.85$\pm$.03; $M_{\phi r}$-0.37$\pm$.09; Best double couple: NP1:ϕ_s84.00000°,δ84.00000° ,λ170.00000°. NP2:ϕ_s175.00000°,δ81.00000°,λ6.00000°. Principal axes: T 5.6020,Plg11.0000°,Azm40.0000°; N 0.8690,Plg79.0000°,Azm231.0000° ; P -6.4700,Plg2.0000°,Azm130.0000° $M_0$6.03600×10^{18}
NEIC Event type se. Moment Tensor Solution. s103 Moment tensor: Scale 10^{18}Nm; M_{rr}0.49 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.83 $M_{\theta\phi}$-4.81 $M_{\phi r}$-3.18 Best double couple: NP1:ϕ_s357.00000° ,δ88.00000°,λ-33.00000°. NP2:ϕ_s89.00000°,δ57.00000°,λ-178.00000°. Principal axes: T 5.1800,Plg21.0000°,Azm48.0000°; N 1.2100,Plg57.0000°,Azm175.0000° ; P -6.3800,Plg24.0000°,Azm308.0000° $M_0$5.80000×10^{18}

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**11 12 34 36.6–.46**	**38.38N–.02**	**46.80E–.02**	**19–1**	**6.1b**	**2232**	**0-165**
NSSC	VIII	11 12 34 19.4–.68	37.58N	48.95E	37–999	5.2L		**¶604846898**
ISN	VIII	11 12 34 30.8–1.3	38.59N	46.76E	0–47	6.1L		
AZER	VIII	11 12 34 32.4–.18	38.41N	46.79E	10–1	6.4L		
ISCJB	VIII	11 12 34 33.9–.06	38.35N–.01	46.737E–.01	10	6.0b		
TEH	VIII	11 12 34 33.8	38.39N	46.81E	4	6.3L		
BJI	VIII	11 12 34 33.3	38.39N	46.77E	6	6.5b,6.5s		
MOS	VIII	11 12 34 33.7–1.2	38.34N	46.76E	10	6.3b,6.3s		
IDC	VIII	11 12 34 33.5–.28	38.40N	46.78E	0	6.3,6.3s		
NSSP	VIII	11 12 34 34.9	38.47N	46.88E	10	6.2s,6.3s		
THR	VIII	11 12 34 34.5–.48	38.56N	46.77E	18–13	6.0L,6.3s		
NEIC	VIII	11 12 34 35.0–.00	38.62N	47.14E	11	6.0L,6.3s		
NEIC	VIII	11 12 34 35.9–.11	38.39N	46.75E	12	6.3,6.3b		
PDG	VIII	11 12 34 36.1	38.48N	46.75E	10	6.2b,6.3b		
GII	VIII	11 12 34 36.7–.00	38.47N	46.75E	10	6.2b,6.3b		
DSN	VIII	11 12 34 37.2–.48	38.20N	46.84E	9	6.4b,6.3b		
NNC	VIII	11 12 34 37.8–5.0	39.05N	46.85E	0	6.5b,6.3		
GCMT	VIII	11 12 34 38.9–.10	38.35N–.01	46.78E–.01	19–0	6.3W,6.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}1.74 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.10 $M_{\theta\phi}$-1.71 $M_{\phi r}$0.41 Best double couple: NP1:ϕ_s256.00000° ,δ60.00000°,λ127.00000°. NP2:ϕ_s19.00000°,δ47.00000°,λ43.00000°. Principal axes: T 2.4600,Plg57.0000°,Azm218.0000°; N 0.2000,Plg31.0000°,Azm55.0000° ; P -2.6600,Plg7.0000°,Azm320.0000° $M_0$2.60000×10^{18}
NEIC Event type fe. Felt [V] at Ahar and Tabriz. Also felt at 'Alamdar, Azar Shahr, Maragheh, Meshgin Shahr, Miandoab and Orumiyeh. Felt [III] at Yerevan, Armenia. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
PDG Event type ke.
GII Event type ke.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c90; s140,c500;Duration: 3$\pm$7 Moment tensor: Scale 10^{18}Nm; M_{rr}2.48$\pm$.06 $M_{\theta\theta}$-1.07$\pm$.04; $M_{\phi\phi}$-1.41$\pm$.04; $M_{r\theta}$-1.78$\pm$.10; $M_{\theta\phi}$-3.21$\pm$.03; $M_{\phi r}$0.44$\pm$.09; Best double couple: NP1:ϕ_s255.00000°,δ63.00000°,λ134.00000°. NP2:ϕ_s10.00000°,δ50.00000°,λ36.00000°. Principal axes: T 3.8980,Plg50.0000° ,Azm216.0000°; N 0.6800,Plg39.0000°,Azm52.0000°; P -4.5780,Plg8.0000°,Azm315.0000° $M_0$4.23800×10^{18}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**11 14 58 34.2–1.7**	**37.46N–.04**	**141.35E–.06**	**12–10**	**3.8b**	**40**	**0-90**
IDC	VIII	11 14 58 32.5–.96	37.51N	141.37E	0	3.8,3.7		**¶601765756**
ISCJB	VIII	11 14 58 34.0–.82	37.43N–.03	141.47E–.06	22–5	3.7b,3.7		
JMA	VIII	11 14 58 36.3–.10	37.46N	141.30E	30–1	4.0,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=18.7km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.5km az=18.1.
JMA Event type fe.

(460) Wyoming

ISC	**VIII**	**11 18 34 34.9–1.2**	**43.83N–.07**	**105.23W–.07**	**0**		**17**	**1-11**
ISCJB	VIII	11 18 34 33.4–.55	43.79N–.06	105.24W–.07	0			**¶601765759**
NEIC	VIII	11 18 34 34.9–.40	43.80N	105.22W	0	3.2L		
IDC	VIII	11 18 34 34.9–2.1	43.97N	105.59W	0	3.6,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.7km s-min=6.6km az=164.6.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=4.9km az=160.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=77.9km s-min=9.5km az=148.0.

(460) Wyoming

ISC	**VIII**	**11 20 03 57.9–.80**	**43.80N–.07**	**105.30W–.06**	**0**	**4.1b**	**24**	**1-90**
IDC	VIII	11 20 03 53.5–.97	43.01N	105.05W	0	4.0,4.0b		**¶601765762**
ISCJB	VIII	11 20 03 56.5–.43	43.80N–.05	105.28W–.06	0	4.1b,4.0b		
NEIC	VIII	11 20 03 58.3–.30	43.80N	105.29W	0	3.5L,4.0b		

ISC Event type sm.
IDC Error ellipse: s-maj=19.4km s-min=8.1km az=160.0.
ISCJB Event type fm. Error ellipse: s-maj=7.3km s-min=5.9km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=5.2km s-min=4.1km az=149.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(12) Alaska Peninsula

ISC	**VIII**	**11 20 45 03.0–.57**	**55.62N–.07**	**158.36W–.04**	**33**	**4.1b**	**120**	**1-153**
IDC	VIII	11 20 44 57.9–.91	55.67N	158.47W	0	4.1,4.0L		**¶601565571**
ISCJB	VIII	11 20 45 01.2–.37	55.63N–.05	158.24W–.06	33	4.0b,3.5s		
NEIC	VIII	11 20 45 03.8–.00	55.60N	158.30W	26	3.8L,3.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=15.6km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=2.7km az=150.8.
NEIC Event type fe. Felt at Chignik. After AEIC.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**11 22 24 02.5–.58**	**38.46N–.02**	**46.72E–.01**	**4–3**	**5.0b,4.5s**	**1202**	**0-133**
ISN	VIII	11 22 23 56.7–1.1	38.77N	46.75E	0–43	5.0L,4.5s		**¶601551806**
MOS	VIII	11 22 24 01.7–1.3	38.29N	46.69E	11	5.2b,4.4s		
BJI	VIII	11 22 24 01.5	38.40N	46.70E	5	5.0b,4.9b		
AZER	VIII	11 22 24 01.5–.03	38.49N	46.73E	9–0	5.6L,4.9b		
IDC	VIII	11 22 24 01.6–.37	38.33N	46.65E	0	4.9,4.8		
GII	VIII	11 22 24 01.1–.00	38.53N	46.81E	5	4.9,4.8		
TEH	VIII	11 22 24 02.5	38.43N	46.75E	4	4.9L,4.8		
THR	VIII	11 22 24 02.8–.56	38.46N	46.72E	17–5	4.9L,4.8		
NEIC	VIII	11 22 24 02.0–.00	38.48N	46.76E	4	5.1b,4.9L		
ISCJB	VIII	11 22 24 04.4–.31	38.33N–.01	46.64E–.01	28–2	4.9b,4.5s		
DSN	VIII	11 22 24 04.3–.39	38.34N	46.78E	10	5.3b,4.5s		
NNC	VIII	11 22 24 05.2–6.9	38.87N	47.00E	0	5.9b,5.7		
GCMT	VIII	11 22 24 06.0–.10	38.35N–.01	46.73E–.01	27–0	5.2W,5.7		

ISC Event type fe.
GII Event type ke.
NEIC Event type fe. Felt at Tabriz. Also felt at Tbilisi, Georgia. After TEH.
ISCJB Event type fe.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c91; s112,c200;Duration: 1$\pm$0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39$\pm$.14 $M_{\theta\theta}$3.74$\pm$.13; $M_{\phi\phi}$-4.13$\pm$.11; $M_{r\theta}$-4.36$\pm$.29; $M_{\theta\phi}$-6.61$\pm$.11; $M_{\phi r}$-1.36$\pm$.23; Best double couple: NP1:ϕ_s254.00000°,δ89.00000°,λ149.00000°. NP2:ϕ_s345.00000°,δ59.00000°,λ1.00000°. Principal axes: T 8.7610,Plg22.0000° ,Azm205.0000°; N 0.3760,Plg59.0000°,Azm72.0000°; P -9.1330,Plg20.0000°,Azm304.0000° $M_0$8.94700×10^{16}

(390) Southern Italy

ISC	**VIII**	**12 01 21 37.3–.83**	**41.77N–.03**	**16.14E–.02**	**34–2**	**3.4b**	**450**	**0-90**
BEO	VIII	12 01 21 29.4–.70	41.36N	15.83E	0	4.2L		**¶601553237**
ROM	VIII	12 01 21 36.8–.18	41.727N–.01	16.25E–.01	29–1	4.2L		
LDG	VIII	12 01 21 36.9–.11	41.68N	16.15E	20	4.1L		
NEIC	VIII	12 01 21 36.0–.00	41.77N	16.27E	8	4.1L		
PDG	VIII	12 01 21 37.1–.69	41.70N	16.20E	29–1	3.9,3.8L		
PRU	VIII	12 01 21 37.8–.00	41.93N	16.07E	1	3.9,3.8L		
IDC	VIII	12 01 21 40.6–1.6	41.78N	15.91E	68–19	3.5,3.4		

ISC Event type fe.
BEO Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=53.0.
NEIC Event type fe. Felt at Santeramo in Colle. After ROM.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=16.5km s-min=14.2km az=90.0.

(238) Ryukyu Islands

ISC	**VIII**	**12 06 32 41.3–.45**	**28.48N–.03**	**128.52E–.03**	**136–3**	**4.8b**	**453**	**1-151**
NIED	VIII	12 06 32 00	28.50N	128.40E	119	4.8W		**¶601553248**
MOS	VIII	12 06 32 40.4–1.3	28.49N	128.52E	139	4.5b		
IDC	VIII	12 06 32 40.4–1.1	28.67N	128.38E	123–10	4.6,4.3		
GCMT	VIII	12 06 32 40.6–.40	28.45N–.02	128.49E–.03	146–4	4.9W,4.3		
ISCJB	VIII	12 06 32 40.2–.16	28.49N–.02	128.49E–.02	130–1	4.7b,4.3		
BJI	VIII	12 06 32 41.0	28.55N	128.40E	120	4.7b,4.7b		
NEIC	VIII	12 06 32 41.6–.41	28.51N	128.41E	137–3	4.9b,4.7b		
JMA	VIII	12 06 32 41.0–.10	28.51N	128.41E	119–3	4.5,4.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ64.00000°,λ-164.00000°. NP2:ϕ_s39.00000°,δ75.00000°,λ-27.00000°. $M_0$1.71000×10^{16}
MOS Error ellipse: s-maj=7.9km s-min=4.9km az=92.0.
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=132.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s67,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74$\pm$.12 $M_{\theta\theta}$-2.32$\pm$.12; $M_{\phi\phi}$3.06$\pm$.12; $M_{r\theta}$-1.39$\pm$.10; $M_{\theta\phi}$-0.34$\pm$.14; $M_{\phi r}$0.11$\pm$.10; Best double couple: NP1:ϕ_s135.00000°,δ72.00000°,λ-156.00000°. NP2:ϕ_s37.00000°,δ67.00000°,λ-20.00000°. Principal axes: T 3.0920,Plg3.0000° ,Azm266.0000°; N 0.0470,Plg60.0000°,Azm170.0000°; P -3.1380,Plg30.0000° ,Azm357.0000° $M_0$3.11500×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=143.0. Felt at Chatan and Urasoe, Okinawa. Recorded [1 JMA] in Kagoshima, Kyushu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

(227) Eastern Honshu

ISC	**VIII**	**12 09 56 27.4–.86**	**37.09N–.03**	**140.50E–.03**	**6–6**	**3.8b**	**37**	**0-91**
NIED	VIII	12 09 56 00	37.10N	140.60E	5	3.9W		**¶606010783**
ISCJB	VIII	12 09 56 27.6–.41	37.08N–.03	140.61E–.04	17–3	3.8b		
JMA	VIII	12 09 56 27.8	37.08N	140.55E	4–1	3.8		
IDC	VIII	12 09 56 32.5–1.8	37.06N	140.57E	45–19	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s316.00000°,δ34.00000°,λ-85.00000°. NP2:ϕ_s130.00000°,δ57.00000°,λ-93.00000°. $M_0$6.75000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=32.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s312.00000°,δ47.00000°,λ-96.00000°. NP2:ϕ_s141.00000°,δ43.00000°,λ-84.00000°. Principal axes: T Plg2.0000°,Azm46.0000°; N Plg4.0000°,Azm316.0000°; P Plg85.0000° ,Azm164.0000°
IDC Error ellipse: s-maj=15.4km s-min=12.2km az=42.0.

(306) Xizang

ISC	**VIII**	**12 10 47 07.4–.39**	**35.65N–.02**	**82.54E–.02**	**14–2**	**6.1s,6.0b**	**1930**	**6-158**
NNC	VIII	12 10 47 03.5–2.6	35.67N	82.84E	0	6.5,6.4b		**¶601554362**
IDC	VIII	12 10 47 04.7–.27	35.71N	82.58E	0	5.9,5.9s		
ISCJB	VIII	12 10 47 05.3–.07	35.73N–.01	82.56E–.01	13	6.1s,5.9b		
MOS	VIII	12 10 47 05.1–.95	35.67N	82.54E	14	6.1b,6.1s		
NEIC	VIII	12 10 47 06.0–.00	36.07N	82.17E	15	6.1b,6.1s		
NEIC	VIII	12 10 47 06.5–.08	35.66N	82.52E	13	6.3W,6.2W		
BJI	VIII	12 10 47 07.7	35.94N	82.56E	28	6.3,6.3b		
GCMT	VIII	12 10 47 11.4–.10	35.88N	82.52E	17–0	6.2W,6.3b		
NEIC	VIII	12 10 47 25.2–.00	36.54N	82.22E	21	6.2W,6.3b		

ISC Event type fe.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=19.3km az=117.0.
IDC Error ellipse: s-maj=8.7km s-min=5.9km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=36.2.
MOS Error ellipse: s-maj=4.9km s-min=2.9km az=125.7.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.60 $M_{\theta\theta}$0.52 $M_{\phi\phi}$2.08 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.45 $M_{\phi r}$-1.25 Best double couple: NP1:ϕ_s13.00000° ,δ59.00000°,λ-91.00000°. NP2:ϕ_s196.00000°,δ31.00000°,λ-88.00000°. Principal axes: T 2.5200,Plg14.0000°,Azm104.0000°; N 0.4000,Plg0.0000°,Azm14.0000° ; P -2.9200,Plg75.0000°,Azm280.0000° $M_0$2.70000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=23.0. Felt at Hotan. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$1.39 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s24.00000°,δ48.00000°,λ-79.00000°. NP2:ϕ_s187.00000°,δ43.00000°,λ-102.00000°. Principal axes: T 1.5500,Plg2.0000° ,Azm106.0000°; N -0.5600,Plg8.0000°,Azm196.0000°; P -1.0000,Plg82.0000° ,Azm360.0000° $M_0$1.40000×10^{18} Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ44.00000°,λ-68.00000°. NP2: ϕ_s25.00000°,δ50.00000°,λ-110.00000°. Principal axes: T Plg3.0000°,Azm129.0000° ; N Plg0.0000°,Azm0.0000°; P Plg74.0000°,Azm230.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c305; s131,c519; Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.96±.01 $M_{\theta\theta}$-0.58±.01; $M_{\phi\phi}$2.54±.01; $M_{r\theta}$0.79±.04; $M_{\theta\phi}$0.59±.01; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s346.00000°,δ55.00000° ,λ-123.00000°. NP2:ϕ_s215.00000°,δ47.00000°,λ-52.00000°. Principal axes: T 2.6750,Plg5.0000°,Azm99.0000°; N -0.2570,Plg26.0000°,Azm7.0000° ; P -2.4220,Plg63.0000°,Azm198.0000° $M_0$2.54800×10^{18}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.48 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$2.65 $M_{r\theta}$1.38 $M_{\theta\phi}$0.57 $M_{\phi r}$0.92 Best double couple: NP1:ϕ_s212.00000° ,δ61.00000°,λ-67.00000°. NP2:ϕ_s351.00000°,δ37.00000°,λ-125.00000°. Principal axes: T 3.0300,Plg13.0000°,Azm286.0000°; N 0.1600,Plg20.0000°,Azm21.0000° ; P -3.1900,Plg66.0000°,Azm165.0000° $M_0$3.10000×10^{18}

(227) Eastern Honshu

ISC	**VIII**	**12 11 11 25.3–.99**	**37.80N–.03**	**140.00E–.03**	**9–7**	**3.7b**	**30**	**0-91**
IDC	VIII	12 11 11 23.8–.93	37.87N	139.90E	0	3.9,3.7		**¶601765773**
ISCJB	VIII	12 11 11 24.7–.46	37.80N–.03	140.01E–.04	13–3	3.7b,3.7		
JMA	VIII	12 11 11 25.1	37.81N	140.00E	9–1	3.6,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=12.4km az=129.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.1km az=37.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ57.00000°,λ57.00000°. NP2:ϕ_s42.00000°,δ45.00000°,λ130.00000°. Principal axes: T Plg62.0000°,Azm28.0000°; N Plg27.0000°,Azm191.0000°; P Plg7.0000° ,Azm285.0000°

(224) Hokkaido region

ISC	**VIII**	**12 12 26 35.9–1.1**	**42.82N–.07**	**145.00E–.04**	**47–8**	**4.0b**	**61**	**0-84**
ISCJB	VIII	12 12 26 34.8–.65	42.84N–.06	144.98E–.05	55–4	3.8b		**¶601765774**
MOS	VIII	12 12 26 34.6–1.1	42.78N	144.98E	61	4.2b		
JMA	VIII	12 12 26 35.9–.10	42.88N	144.93E	50–1	3.7		
SKHL	VIII	12 12 26 36.8–.20	42.88N	145.02E	70–8	4.6b		
IDC	VIII	12 12 26 38.4–2.6	42.80N	144.83E	76–19	3.8,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=4.3km az=154.5.
MOS Error ellipse: s-maj=15.4km s-min=8.8km az=76.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=18.8km az=13.0.

(227) Eastern Honshu

ISC	**VIII**	**12 13 06 02.9–1.2**	**36.16N–.04**	**137.57E–.03**	**4–10**	**3.4b**	**22**	**0-60**
NIED	VIII	12 13 06 00	36.10N	137.60E	5	4.0W		**¶601765775**
ISCJB	VIII	12 13 06 02.1–.59	36.16N–.04	137.56E–.04	12–4	3.5s,3.2b		
JMA	VIII	12 13 06 02.4	36.15N	137.56E	2–1	3.7,3.2b		
IDC	VIII	12 13 06 02.1–.97	36.17N	137.56E	0	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ64.00000°,λ-15.00000°. NP2:ϕ_s274.00000°,δ77.00000°,λ-153.00000°. $M_0$1.14000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.8km az=10.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s97.00000°,δ89.00000°,λ-175.00000°. NP2:ϕ_s7.00000°,δ85.00000°,λ-1.00000°. Principal axes: T Plg3.0000°,Azm232.0000°; N Plg85.0000°,Azm105.0000°; P Plg4.0000° ,Azm322.0000°
IDC Error ellipse: s-maj=20.8km s-min=8.6km az=153.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**13 00 36 38.7–.86**	**40.53N–.04**	**141.53E–.07**	**82–6**	**3.7b**	**34**	**0-88**
ISCJB	VIII	13 00 36 37.9–.51	40.53N–.03	141.53E–.08	90–3	3.6b		**¶601765792**
JMA	VIII	13 00 36 39.0–.10	40.54N	141.55E	80–1	3.3		
IDC	VIII	13 00 36 39.9–2.0	40.59N	141.48E	91–16	3.7,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.2km az=4.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s34.00000°,δ84.00000°,λ-107.00000°. NP2:ϕ_s286.00000°,δ18.00000°,λ-19.00000°. Principal axes: T Plg37.0000°,Azm139.0000°; N Plg17.0000°,Azm35.0000°; P Plg48.0000° ,Azm285.0000°
IDC Error ellipse: s-maj=22.9km s-min=14.7km az=112.0.

(230) Near south coast of eastern Honshu

ISC	**VIII**	**13 04 48 14.8–.80**	**35.88N–.04**	**139.93E–.06**	**74–7**	**4.1b**	**85**	**0-148**
NIED	VIII	13 04 48 00	36.00N	139.80E	86	4.0W		**¶601710300**
ISCJB	VIII	13 04 48 15.1–.39	35.87N–.03	139.77E–.06	90–3	4.0b		
NEIC	VIII	13 04 48 15.6–.55	35.86N	139.85E	82–4	4.5b		
JMA	VIII	13 04 48 16.5–.10	35.92N	139.82E	77–2	3.9		
IDC	VIII	13 04 48 16.1–1.1	35.84N	139.79E	85–9	4.1,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ25.00000°,λ97.00000°. NP2:ϕ_s4.00000°,δ65.00000°,λ87.00000°. $M_0$1.25000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.3km az=155.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.7km az=66.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ70.00000°,λ97.00000°. NP2: ϕ_s171.00000°,δ21.00000°,λ72.00000°. Principal axes: T Plg64.0000°,Azm291.0000° ; N Plg6.0000°,Azm188.0000°; P Plg25.0000°,Azm95.0000°
IDC Error ellipse: s-maj=18.3km s-min=6.6km az=66.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**13 05 10 59.6–2.0**	**38.45N–.04**	**142.28E–.08**	**16–11**	**3.7b**	**29**	**1-62**
IDC	VIII	13 05 10 57.4–2.0	38.59N	142.42E	0	3.6,3.6b		**¶601765796**
ISCJB	VIII	13 05 11 00.6–1.1	38.43N–.04	142.30E–.07	31–6	3.6b,3.6b		
NIED	VIII	13 05 11 00	38.40N	142.20E	17	3.5W,3.6b		
JMA	VIII	13 05 11 02.5–.10	38.44N	142.18E	31–1	3.7,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=21.1km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.8km az=9.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s294.00000°,δ52.00000°,λ-155.00000°. NP2:ϕ_s189.00000°,δ71.00000°,λ-41.00000°. $M_0$1.88000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(111) Northern Peru

ISC	**VIII**	**13 05 32 48.0–.47**	**5.70S–.04**	**76.83W–.05**	**121–4**	**4.9b**	**1237**	**4-167**
MOS	VIII	13 05 32 44.8–.93	5.57S	76.94W	101	4.9b		**¶601554162**
IGQ	VIII	13 05 32 45.9–.40	6S–4.0	77W–7.0	86–6	5.5b,5.5		
ISCJB	VIII	13 05 32 46.6–.16	5.63S–.02	76.94W–.03	124	4.9b,5.5		
NEIC	VIII	13 05 32 47.7–.54	5.70S	76.90W	120–4	4.9L,4.9b		
IDC	VIII	13 05 32 48.2–.65	5.69S	76.96W	126–5	4.7,4.4		
BJI	VIII	13 05 32 49.7	5.70S	76.90W	120	5.2b,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=4.8km az=111.5.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=59.0. Felt [II] at Moyobamba.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=67.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**13 10 45 45.5–1.0**	**38.48N–.02**	**46.67E–.02**	**0–7**	**4.3b,3.5s**	**279**	**0-80**
ISN	VIII	13 10 45 42.2–1.1	38.49N	46.70E	0–49	4.4L,3.5s		**¶601554385**
AZER	VIII	13 10 45 43.8–11	38.43N	46.70E	10–0	4.5L,3.5s		
THR	VIII	13 10 45 44.5–.34	38.47N	46.62E	16–5	3.8L,3.5s		
BJI	VIII	13 10 45 44.9	38.20N	46.50E	10	4.7b,4.6b		
MOS	VIII	13 10 45 44.5–1.6	38.19N	46.60E	10	4.5b,4.6b		
TEH	VIII	13 10 45 44.1	38.46N	46.61E	4	4.2L,4.6b		
IDC	VIII	13 10 45 45.2–.98	38.43N	46.61E	0	4.1,4.0		
NEIC	VIII	13 10 45 46.4–.38	38.26N	46.57E	10	4.4,4.3b		
DDA	VIII	13 10 45 51.1	38.64N	46.30E	12	3.7L,4.3b		
NNC	VIII	13 10 45 52.3–4.0	38.96N	47.21E	0	4.4b,4.3b		

ISC Event type fe.
ISN Error ellipse: s-maj=48.5km s-min=38.9km az=-1.0.
AZER Error ellipse: s-maj=5.8km s-min=1.1km az=21.0.
THR Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0.
MOS Error ellipse: s-maj=8.2km s-min=4.7km az=115.3.
IDC Error ellipse: s-maj=17.6km s-min=11.0km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.6km az=194.0. Felt at Ahar, Orumiyeh and Tabriz.
DDA Event type ke.
NNC Event type se. Error ellipse: s-maj=85.2km s-min=31.5km az=103.0.

(39) Central California

ISC	**VIII**	**13 14 03 47.8–1.1**	**35.94N–.02**	**117.65W–.02**	**2–10**		**121**	**0-7**
NEIC	VIII	13 14 03 47.9–.00	35.96N	117.67W	2	3.5L		**¶601561347**

ISC Event type fe.
NEIC Event type fe. Felt at Ridgecrest. After PAS.

(710) Pakistan

ISC	**VIII**	**13 20 32 59.1–.42**	**34.82N–.03**	**73.71E–.03**	**28–2**	**5.3b,4.2s**	**1056**	**1-152**
IDC	VIII	13 20 32 54.6–.27	34.81N	73.72E	0	5.2,5.2		**¶601556030**
NNC	VIII	13 20 32 56.9–3.4	34.91N	73.53E	0	5.4b,5.3		
ISCJB	VIII	13 20 32 56.2–.55	34.85N–.01	73.67E–.02	19–4	5.2b,4.2s		
GCMT	VIII	13 20 32 57.3–.20	34.88N–.02	73.75E–.02	18–1	5.0W,4.2s		
NEIC	VIII	13 20 32 59.3–1.1	34.85N	73.66E	28–7	5.4b,4.2s		
MOS	VIII	13 20 32 59.8–1.0	34.93N	73.71E	44	5.4b,4.2s		
BJI	VIII	13 20 33 00.8	34.93N	74.09E	35	5.4b,5.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=8.9km s-min=7.1km az=23.0.
NNC Event type se. Error ellipse: s-maj=31.1km s-min=23.4km az=136.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=40.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c42; s84,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.20 $M_{\theta\theta}$-0.51±.13; $M_{\phi\phi}$-2.43±.13; $M_{r\theta}$-0.62±.34; $M_{\theta\phi}$-2.17±.09; $M_{\phi r}$2.50±.32; Best double couple: NP1:ϕ_s7.00000°,δ65.00000°,λ61.00000°. NP2:ϕ_s239.00000°,δ38.00000°,λ136.00000°. Principal axes: T 4.3500,Plg60.0000° ,Azm234.0000°; N -0.0370,Plg26.0000°,Azm20.0000°; P -4.3110,Plg15.0000° ,Azm118.0000° $M_0$4.33000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=195.0. Felt [III] at Srinagar, India. Also felt at Badami Bagh and Doda. Felt at Islamabad, Pakistan.
MOS Error ellipse: s-maj=4.8km s-min=3.2km az=109.1.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**13 22 54 45.6–.10**	**36.75N**	**141.09E**	**29–1**	**3.7**		
NIED	VIII	13 22 54 00	36.70N	141.10E	8	3.3W		**¶606011726**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ28.00000°,λ-109.00000°. NP2:ϕ_s11.00000°,δ63.00000°,λ-80.00000°. $M_0$1.15000×10^{14}

(243) Taiwan region

ISC	**VIII**	**14 02 06 49.4–.74**	**23.90N–.02**	**122.56E–.02**	**30–5**	**4.8b,4.4s**	**619**	**1-167**
NIED	VIII	14 02 06 00	23.90N	122.50E	35	5.0W,4.4s		**¶601557032**
IDC	VIII	14 02 06 44.7–.50	24.10N	122.63E	0	4.6,4.6b		
BJI	VIII	14 02 06 46.2	24.03N	122.46E	10	4.9b,4.7		
JMA	VIII	14 02 06 47.8–.20	23.91N	122.51E	21–3	5.1,4.7		
NEIC	VIII	14 02 06 48.1–.00	23.93N	122.54E	28	5.2L,4.9b		
TAP	VIII	14 02 06 48.1	23.93N	122.54E	28–0	4.9L,4.9b		
MOS	VIII	14 02 06 48.8–1.1	24.16N	122.53E	34	5.1b,4.3s		
ISCJB	VIII	14 02 06 49.2–.19	23.92N–.01	122.54E–.01	42–1	4.8b,4.3s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ8.00000°,λ128.00000°. NP2:ϕ_s65.00000°,δ84.00000°,λ85.00000°. $M_0$4.05000×10^{16}
JMA Event type fe.
NEIC Event type fe. Recorded [2 TAP] in Taitung and Yilan; [1 TAP] in Hualien. Recorded [1 JMA] on Iriomote-jima and Yonaguni-jima, Ryukyu Islands. After TAP.
TAP D.
ISCJB Event type fe.

(663) Sea of Okhotsk

ISC	**VIII**	**14 02 59 38.9–.19**	**49.75N–.02**	**145.31E–.02**	**591–1**	**6.7b**	**3723**	**2-175**
NIED	VIII	14 02 59 00	49.20N	145.90E	660	7.7W		**¶601562030**
SKHL	VIII	14 02 59 35.9–.90	49.72N	145.72E	589–26	6.8s,6.7b		
JMA	VIII	14 02 59 36.2–.40	49.18N	145.88E	654	7.3,6.7b		
KRSC	VIII	14 02 59 36.5–1.0	49.57N	145.38E	604–15	7.7L,6.7b		
ISCJB	VIII	14 02 59 37.6–.12	49.76N–.01	145.13E–.01	586–1	6.7b,6.7b		
BJI	VIII	14 02 59 37.8	49.66N	145.41E	610	7.2b,6.7b		
MOS	VIII	14 02 59 37.8–.78	49.75N	145.17E	591	6.8b,6.7b		
NEIC	VIII	14 02 59 38.5–.20	49.80N	145.06E	583–2	7.7W,7.7W		
IDC	VIII	14 02 59 38.9–.37	49.78N	145.18E	586–4	7.0,6.1		
NEIC	VIII	14 02 59 42.0–.00	50.20N	145.58E	600	7.0,6.1		
GCMT	VIII	14 02 59 50.5–.10	49.97N–.01	145.70E–.01	598–1	7.7W,6.1		
NEIC	VIII	14 02 59 57.7–.00	49.52N	145.61E	623	7.7W,6.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ39.00000°,λ39.00000°. NP2:ϕ_s252.00000°,δ67.00000°,λ122.00000°. $M_0$3.66000×10^{20}
SKHL Event type fe. Felt (II) at Gornozavodsk. Felt (II) at Yuzhno-Kuril'sk, Yuzhno-Sakhalinsk, Korsakov, Aniva, Kholmsk, Nevel'sk. Felt (II-III) at Pil'vo, Smirnykh, Dolinsk, Mgachi; (II) at Nogliki, Khabarovsk, Okha. Felt (III) at Shakhtersk, Bykov, Starodubskoye, Aleksandrovsk-Sakhalinsky, Shebunino. Felt (III-IV) at Tymovskoye, Uglegorsk, Porona'sk; (III) at Makarov, Ado-Tymovo.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.8km az=-1.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=154.1.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=73.7. Fault plane solution: P-wave C160, D164 . Felt (III-IV) at Tymovskoye, Uglegorsk, Poronaisk; (III) at Makarov, Ado-Tymovo, Shakhtersk, Magadan, Shebunino, Starodubskoye, Aleksandrovsk-Sakhalinskiy, Bykov, Malokuril'skoye; (II-III) at Pil'vo, Smirnykh, Dolinsk, Mgachi, Sovetskaya Gavan', Boshnyakovo, Komsomol'sk-na-Amure, Udarnoye; (II) at Nogliki, Onor, Khabarovsk, Yuzhno-Kuril'sk, Okha, Nevel'sk, Korsakov, Yuzhno-Sakhalinsk, Kholmsk, Aniva, Gornozavodsk. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s245.00000°,δ71.00000°,λ95.00000°. NP2: ϕ_s50.00000°,δ20.00000°,λ76.00000°. Principal axes: T Plg64.0000°,Azm163.0000° ; N Plg5.0000°,Azm63.0000°; P Plg26.0000°,Azm331.0000°
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=160.0. Felt [V] at Poronaysk and [III] at Yuzhno-Sakhalinsk, Russia. Also felt at Magadan, Yakutsk and in much of Sakhalin. Felt [III] at Misawa and Tokyo, Japan. Also felt in parts of Hokkaido and northern Honshu. Felt at Harbin, China. Recorded [3 JMA] in southern and eastern Hokkaido. Also recorded [3 JMA] in Aomori and Iwate, Honshu. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 8 seconds after the onset. Focal mechanism based on larger event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000° ,δ35.00000°,λ48.00000°. NP2:ϕ_s230.00000°,δ65.00000°,λ115.00000°. Principal axes: T Plg62.0000°,Azm179.0000°; N Plg0.0000°,Azm0.0000°; P Plg16.0000°,Azm302.0000°
IDC Error ellipse: s-maj=4.9km s-min=4.0km az=118.0.

NEIC Event type se. Moment Tensor Solution. s66 Moment tensor: Scale 10^{20}Nm; M_{rr}3.46 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-1.91 $M_{r\theta}$-2.67 $M_{\theta\phi}$-2.26 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s243.00000° ,δ64.00000°,λ110.00000°. NP2:ϕ_s23.00000°,δ33.00000°,λ55.00000°. Principal axes: T 4.6300,Plg65.0000°,Azm188.0000°; N 0.0200,Plg18.0000°,Azm53.0000° ; P -4.6600,Plg16.0000°,Azm317.0000° $M_0$4.60000×10^{20}

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s144,c407; s144,c397; Duration: 17s8 Moment tensor: Scale 10^{20}Nm; M_{rr}3.84±.01 $M_{\theta\theta}$-1.87±.02; $M_{\phi\phi}$-1.97±.01; $M_{r\theta}$-2.74±.01; $M_{\theta\phi}$-2.15±.02; $M_{\phi r}$-0.51±.01; Best double couple: NP1:ϕ_s243.00000° ,δ63.00000°,λ108.00000°. NP2:ϕ_s27.00000°,δ33.00000°,λ59.00000°. Principal axes: T 4.9590,Plg67.0000°,Azm188.0000°; N -0.2430,Plg16.0000°,Azm54.0000° ; P -4.7160,Plg16.0000°,Azm320.0000° $M_0$4.83800×10^{20}

NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{20}Nm; M_{rr}3.77 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-1.93 $M_{r\theta}$-2.84 $M_{\theta\phi}$-2.34 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s242.00000° ,δ64.00000°,λ108.00000°. NP2:ϕ_s26.00000°,δ32.00000°,λ58.00000°. Principal axes: T 4.9600,Plg66.0000°,Azm186.0000°; N 0.0100,Plg16.0000°,Azm54.0000° ; P -4.9700,Plg17.0000°,Azm319.0000° $M_0$5.00000×10^{20}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**14 08 21 26.9–.81**	**35.92N–.05**	**140.26E–.06**	**58–7**	**3.7b**	**36**	**0-92**
ISCJB	VIII	14 08 21 27.1–.47	35.94N–.04	140.19E–.05	70–4	3.7b		**¶601765825**
JMA	VIII	14 08 21 28.6–.10	36.00N	140.14E	59–1	3.4		
IDC	VIII	14 08 21 29.1–1.6	35.83N	140.11E	78–16	3.8,3.7		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=6.2km az=160.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s17.00000°,δ87.00000°,λ90.00000°. NP2: ϕ_s197.00000°,δ3.00000°,λ90.00000°. Principal axes: T Plg48.0000°,Azm287.0000° ; N Plg0.0000°,Azm17.0000°; P Plg42.0000°,Azm107.0000°

IDC Error ellipse: s-maj=21.9km s-min=7.8km az=62.0.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**14 08 49 45.6–.10**	**39.34N**	**142.40E**	**27–1**	**3.6**		
								¶606011925

JMA Event type fe.

(173) Tonga Islands

ISC	**VIII**	**14 10 09 00.8–.65**	**15.5S–.10**	**173.1W–.10**	**29**	**4.4b**	**80**	**2-146**
IDC	VIII	14 10 08 56.3–.66	15.48S	173.18W	0	4.9L,4.5		**¶601765830**
ISCJB	VIII	14 10 08 59.1–.32	15.49S–.09	173.25W–.09	29	4.3b,4.2s		
NEIC	VIII	14 10 09 00.7–2.1	15.52S	173.19W	29–14	4.4b,4.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=33.6km s-min=15.4km az=130.0.

ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=7.2km az=135.5.

NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=4.9km az=135.0. Felt at Talimatau, Samoa.

(244) Taiwan

ISC	**VIII**	**14 10 55 43.7–.56**	**24.03N–.01**	**121.58E–.02**	**25–3**	**5.0b,4.3s**	**605**	**0-145**
NIED	VIII	14 10 55 00	24.00N	121.50E	32	4.5W,4.3s		**¶601561233**
BJI	VIII	14 10 55 40.9	24.08N	121.50E	7	4.7b,4.7b		
JMA	VIII	14 10 55 42.0–.10	24.00N	121.51E	21–5	4.6,4.7b		
IASPE	VIII	14 10 55 43.4–.88	24.03N–.02	121.58E–.02	24–4	5.0b,4.3s		
ISCJB	VIII	14 10 55 43.1–.17	24.042N–.01	121.60E–.01	29–1	4.8b,4.3s		
NEIC	VIII	14 10 55 43.1–.63	24.01N	121.60E	25–4	5.2L,5.0b		
TAP	VIII	14 10 55 43.4	24.05N	121.51E	22–0	5.2L,5.0b		
MOS	VIII	14 10 55 44.8–1.2	24.16N	121.61E	49	5.2b,4.2s		
IDC	VIII	14 10 55 46.3–2.5	24.06N	121.66E	54–23	4.6,4.4L		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ58.00000°,λ169.00000°. NP2:ϕ_s163.00000°,δ81.00000°,λ32.00000°. $M_0$6.43000×10^{15}

IASPE Event type fe. Error ellipse: s-maj=3.4km s-min=1.9km az=113.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.

ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=33.1.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.2km az=142.0. Felt [III] at Yonghe. Felt widely in Taiwan. Also felt at Fuzhou, Fujian. Recorded [5 TAP] in Yilan; [4 TAP] in Hualien and Taichung; [3 TAP] in Nantou; [2 TAP] in Changhua, Chiayi, Hsinchu, Miaoli, Taipei, Taoyuan and Yunlin, Taiwan. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}7.15 $M_{\theta\theta}$-4.11 $M_{\phi\phi}$-3.05 $M_{r\theta}$-1.79 $M_{\theta\phi}$-4.51 $M_{\phi r}$-3.12 Best double couple: NP1:ϕ_s220.00000° ,δ58.00000°,λ80.00000°. NP2:ϕ_s58.00000°,δ34.00000°,λ105.00000°. Principal axes: T 8.0500,Plg75.0000°,Azm101.0000°; N 0.7900,Plg8.0000°,Azm225.0000° ; P -8.8500,Plg12.0000°,Azm317.0000° $M_0$8.50000×10^{15}

TAP B.

MOS Error ellipse: s-maj=8.3km s-min=5.7km az=118.4.

IDC Error ellipse: s-maj=12.7km s-min=11.7km az=61.0.

(478) Utah

ISC	**VIII**	**14 12 30 12.9–.69**	**40.65N–.02**	**109.58W–.02**	**0**		**128**	**1-9**
IDC	VIII	14 12 30 08.0–2.8	40.67N	110.42W	0	4.1L,3.4		**¶601765835**
ISCJB	VIII	14 12 30 13.1–.20	40.70N–.01	109.57W–.02	0	4.1L,3.4		
NEIC	VIII	14 12 30 13.6–.26	40.67N	109.57W	0	2.9L,3.4		

ISC Event type sm.

IDC Error ellipse: s-maj=44.2km s-min=13.8km az=123.0.

ISCJB Event type fm. Error ellipse: s-maj=2.6km s-min=1.7km az=159.4.

NEIC Event type fm. Error ellipse: s-maj=4.7km s-min=3.2km az=76.0. 24 km [15 miles] N of Vernal. Suspected Mining explosion.

(60) Oaxaca

ISC	**VIII**	**14 13 38 29.3–.89**	**16.16N–.05**	**94.85W–.03**	**65–9**	**3.9b**	**71**	**1-84**
ISCJB	VIII	14 13 38 28.6–.48	16.06N–.05	94.88W–.03	70–5	4.0b		**¶601562040**
NEIC	VIII	14 13 38 29.4–.59	16.05N	94.82W	68–6	4.3,4.0b		
IDC	VIII	14 13 38 29.9–2.3	16.27N	94.56W	63–15	4.1,4.0		
MEX	VIII	14 13 38 31.2–1.1	16.00N	94.92W	66–33	4.3,4.0		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.3km az=12.9.

NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=6.0km az=190.0. Felt at San Mateo del Mar.

IDC Error ellipse: s-maj=48.1km s-min=22.0km az=48.0.

MEX Error ellipse: s-maj=11.2km s-min=5.1km az=-1.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**14 14 02 27.0–.50**	**38.51N–.02**	**46.77E–.01**	**13–3**	**5.1b,4.4s**	**1217**	**0-128**
ISN	VIII	14 14 02 19.8–1.3	38.66N	46.79E	0–49	5.3L,4.4s		**¶601561357**
AZER	VIII	14 14 02 22.2–.59	38.39N	46.70E	9–7	5.7L,4.4s		
BJI	VIII	14 14 02 23.0	38.40N	46.70E	6	5.0b,5.0b		
ISCJB	VIII	14 14 02 24.9–.08	38.42N–.01	46.73E–.01	10	5.0b,4.4s		
IDC	VIII	14 14 02 24.7–.41	38.44N	46.74E	0	4.8,4.7		
MOS	VIII	14 14 02 24.0–1.2	38.28N	46.75E	12	5.2b,4.2s		
NEIC	VIII	14 14 02 25.0–.00	38.45N	46.79E	6	5.3,5.2L		
TEH	VIII	14 14 02 25.7	38.50N	46.81E	7	5.2L,5.2L		
THR	VIII	14 14 02 25.7–.35	38.46N	46.76E	14–6	5.2L,5.2L		
GII	VIII	14 14 02 27.9–.00	38.35N	46.75E	10	5.2L,5.2L		
DSN	VIII	14 14 02 28.2–.30	38.33N	46.96E	10	5.4b,5.2L		
NNC	VIII	14 14 02 31.0–2.4	39.04N	47.16E	0	5.9,5.4b		
DDA	VIII	14 14 02 31.4	38.52N	46.21E	9	4.8L,5.4b		

ISC Event type fe.

ISN Error ellipse: s-maj=50.3km s-min=35.0km az=-1.0.

AZER Error ellipse: s-maj=14.8km s-min=2.4km az=20.0.

ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=12.9.

IDC Error ellipse: s-maj=9.8km s-min=7.0km az=15.0.

MOS Error ellipse: s-maj=4.6km s-min=2.9km az=116.2.

NEIC Event type fe. Felt [III] at Tabriz and [II] at Orumiyeh. Also felt at Azar Shahr, Maragheh and Meshgin Shahr. After TEH.

THR Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.

GII Event type ke.

DSN Error ellipse: s-maj=6.3km s-min=3.3km az=44.0.

NNC Event type se. Error ellipse: s-maj=33.1km s-min=20.6km az=41.0.

DDA Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**14 14 18 26.0–2.3**	**37.25N–.04**	**141.96E–.06**	**23–17**	**4.0b**	**79**	**1-146**
NIED	VIII	14 14 18 00	37.30N	141.80E	32	4.0W		**¶606012070**
ISCJB	VIII	14 14 18 26.8–.69	37.24N–.03	141.85E–.06	40–6	4.6s,4.0b		
JMA	VIII	14 14 18 27.4–.10	37.33N	141.81E	43–3	4.2,4.0b		
NEIC	VIII	14 14 18 29.9–.71	37.20N	141.82E	52–7	4.7b,4.0b		
IDC	VIII	14 14 18 31.3–2.3	37.22N	141.74E	63–21	4.5s,4.5		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ18.00000°,λ-111.00000°. NP2:ϕ_s232.00000°,δ73.00000°,λ-83.00000°. $M_0$1.12000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=9.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.1km az=110.0. Recorded [1 JMA] in Fukushima and Miyagi.

IDC Error ellipse: s-maj=18.5km s-min=14.9km az=84.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**14 15 48 21.5–.73**	**38.42N–.02**	**46.66E–.02**	**6–5**	**4.0b**	**161**	**0-77**
ISN	VIII	14 15 48 15.1–1.4	38.58N	46.62E	0–64	3.8L		**¶601561822**
AZER	VIII	14 15 48 17.9–.39	38.44N	46.65E	6–14	4.0L		
TEH	VIII	14 15 48 20.2	38.43N	46.65E	4	3.8L		
IDC	VIII	14 15 48 20.9–.95	38.43N	46.67E	0	4.0,3.9		
THR	VIII	14 15 48 21.1–.36	38.48N	46.66E	18–5	3.8L,3.9		
MOS	VIII	14 15 48 21.7–1.3	38.50N	46.83E	10	4.1b,3.9		
NEIC	VIII	14 15 48 21.3–1.1	38.24N	46.72E	11–8	4.1b,3.8L		
DDA	VIII	14 15 48 45.4	38.30N	44.57E	7	2.8L,3.8L		

ISC Event type fe.

ISN Error ellipse: s-maj=63.6km s-min=48.6km az=-1.0.

AZER Error ellipse: s-maj=15.5km s-min=3.9km az=19.0.

IDC Error ellipse: s-maj=16.9km s-min=10.3km az=14.0.

THR Error ellipse: s-maj=4.0km s-min=1.6km az=-1.0.

MOS Error ellipse: s-maj=9.2km s-min=7.0km az=106.8.

NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.9km az=182.0. Felt at Orumiyeh and Tabriz.

DDA Event type ke.

(235) Kyushu

ISC	**VIII**	**14 16 09 14.2–.89**	**32.78N–.05**	**130.72E–.08**	**12**		**11**	**0-56**
IDC	VIII	14 16 09 12.3–1.4	32.78N	130.61E	0	3.5,3.4		**¶601561823**
ISCJB	VIII	14 16 09 14.9–.76	32.86N–.04	130.79E–.07	12	3.5b,3.4		
JMA	VIII	14 16 09 14.9	32.85N	130.79E	13–1	3.4,3.4		

ISC Event type ke.

IDC Error ellipse: s-maj=21.2km s-min=10.1km az=126.0.

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.8km az=165.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s86.00000°,δ51.00000°,λ-98.00000°. NP2:ϕ_s277.00000°,δ40.00000°,λ-81.00000°. Principal axes: T Plg5.0000°,Azm181.0000°; N Plg6.0000°,Azm90.0000°; P Plg82.0000° ,Azm314.0000°

(227) Eastern Honshu

ISC	**VIII**	**14 16 15 09.9–.97**	**37.04N–.03**	**140.77E–.04**	**7–7**	**3.5b**	**27**	**0-61**
ISCJB	VIII	14 16 15 08.7–.70	37.03N–.03	140.86E–.05	9–3	3.5b		**¶601765838**
JMA	VIII	14 16 15 09.8	37.05N	140.77E	9–1	3.6		
IDC	VIII	14 16 15 09.2–1.4	36.93N	140.87E	0	3.7,3.7		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.4km az=13.8.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s10.00000°,δ52.00000°,λ-119.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ-58.00000°. Principal axes: T Plg3.0000°,Azm120.0000°; N Plg23.0000°,Azm29.0000°; P Plg67.0000° ,Azm217.0000°

IDC Error ellipse: s-maj=30.6km s-min=18.6km az=78.0.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**14 18 48 07.0–.10**	**38.53N**	**142.25E**	**42–1**	**3.9**		
NIED	VIII	14 18 48 00	38.50N	142.30E	38	3.6W		**¶603656696**

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ40.00000°,λ105.00000°. NP2:ϕ_s41.00000°,δ51.00000°,λ78.00000°. $M_0$2.66000×10^{14}

(327) Lake Baykal region

BYKL	**VIII**	**14 18 57 13.0–.22**	**51.45N**	**104.19E**	**17–3**			
MOS	VIII	14 18 57 12.9–1.7	51.44N	104.19E	10	4.4b		**¶601615436**

BYKL Event type se. FELT I=III-IV MSK at Baykalsk, II-III at Vydrino, II at Slyudyanka, Irkutsk.

MOS Event type fe. Error ellipse: s-maj=14.4km s-min=9.1km az=74.0. Felt (III) at Baykal'sk. Moment Tensor Solution.

(2) Southern Alaska

ISC	**VIII**	**14 19 46 31.1–.60**	**59.64N–.04**	**152.89W–.04**	**97–5**	**4.2b**	**231**	**0-149**
IDC	VIII	14 19 46 29.2–1.2	59.74N	153.21W	72–12	4.1,3.9		**¶601734930**
ISCJB	VIII	14 19 46 30.2–.17	59.72N–.02	152.92W–.04	96–2	4.2b,3.9		
NEIC	VIII	14 19 46 32.2–.00	59.63N	152.87W	87	4.3b,3.7L		

ISC Event type fe.

IDC Error ellipse: s-maj=11.7km s-min=9.5km az=90.0.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=136.5.

NEIC Event type fe. Felt at Homer. After AEIC.

(460) Wyoming

ISC	**VIII**	**14 20 13 03.1–.88**	**44.36N–.07**	**105.45W–.06**	**0**		**14**	**1-15**
NEIC	VIII	14 20 13 05.6–.61	44.16N	105.31W	0	3.0L		**¶601765850**
IDC	VIII	14 20 13 06.1–1.3	44.86N	106.18W	0	3.6,3.2		

ISC Event type sm.

NEIC Event type fm. Error ellipse: s-maj=11.7km s-min=7.3km az=161.0. 21 km [13 miles] SE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=109.0km s-min=11.1km az=143.0.

(37) Nevada

ISC	**VIII**	**14 22 17 45.5–.70**	**40.26N–.02**	**119.57W–.02**	**10**		**124**	**1-7**
NEIC	VIII	14 22 17 45.6–.00	40.25N	119.57W	9	3.5L		**¶601562045**
ISCJB	VIII	14 22 17 47.5–.21	40.10N–.02	119.60W–.02	10	3.5L		

ISC Event type fe.

NEIC Event type fe. Felt at Reno. After REN.

ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**14 23 56 37.5–.46**	**37.86N–.04**	**142.08E–.05**	**46–3**	**4.3b**	**126**	**1-149**
NIED	VIII	14 23 56 00	38.00N	141.90E	56	4.0W		**¶601561833**
ISCJB	VIII	14 23 56 36.6–.54	37.96N–.03	142.03E–.05	51–4	4.2b		
BJI	VIII	14 23 56 36.5	38.00N	141.90E	46	4.8b,4.7s		
MOS	VIII	14 23 56 37.3–.89	38.02N	141.94E	53	4.4b,4.7s		
NEIC	VIII	14 23 56 39.5–.77	37.96N	141.89E	56–6	4.5b,4.7s		
IDC	VIII	14 23 56 39.5–.51	37.98N	141.82E	50–4	4.1,4.0		
JMA	VIII	14 23 56 39.0	37.98N	141.84E	50–1	4.2,4.0		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ52.00000°,λ42.00000°. NP2: ϕ_s249.00000°,δ58.00000°,λ134.00000°. $M_0$1.26000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.0km az=25.3.

MOS Error ellipse: s-maj=9.1km s-min=7.0km az=86.1.

NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.5km az=100.0. Recorded [2 JMA] in Aomori and Iwate.

IDC Error ellipse: s-maj=14.0km s-min=9.8km az=96.0.

JMA Event type fe.

(98) Trinidad

TRN	**VIII**	**15 02 48 32.1**	**10.97N**	**61.86W**	**21**	**3.7**		
								¶603370016

TRN Event type fe. Felt in Trindiad, MMI II.

(224) Hokkaido region

ISC	**VIII**	**15 04 12 39.3–.43**	**41.08N–.04**	**140.17E–.04**	**156–3**	**4.4b**	**401**	**0-146**
NIED	VIII	15 04 12 00	41.10N	140.20E	150	4.3W		**¶601564136**
BJI	VIII	15 04 12 36.6	41.00N	140.22E	153	4.7b,4.6b		
MOS	VIII	15 04 12 38.5–.79	41.16N	140.04E	152	4.6b,4.6b		
ISCJB	VIII	15 04 12 38.4–.17	41.08N–.02	140.12E–.03	156–1	4.4b,4.6b		
JMA	VIII	15 04 12 39.5–.10	41.05N	140.20E	154–1	4.1,4.6b		
IDC	VIII	15 04 12 40.3–1.2	41.02N	140.08E	164–11	4.5,4.1		
NEIC	VIII	15 04 12 40.8–.38	41.04N	140.05E	166–3	4.4b,4.1		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ32.00000°,λ-119.00000°. NP2:ϕ_s23.00000°,δ63.00000°,λ-73.00000°. $M_0$3.09000×10^{15}

MOS Error ellipse: s-maj=6.6km s-min=4.8km az=102.5.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=44.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ71.00000°,λ-61.00000°. NP2: ϕ_s150.00000°,δ34.00000°,λ-146.00000°. Principal axes: T Plg21.0000°,Azm99.0000° ; N Plg28.0000°,Azm201.0000°; P Plg54.0000°,Azm337.0000°

IDC Error ellipse: s-maj=10.9km s-min=9.1km az=140.0.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=155.0. Recorded [1 JMA] in Aomori, Honshu.

(14) Kenai Peninsula

ISC	**VIII**	**15 09 21 35.9–1.2**	**60.03N–.02**	**151.30W–.03**	**17–9**		**106**	**0-44**
IDC	VIII	15 09 21 36.9–.91	59.75N	150.46W	0	3.7,3.3		**¶601564313**
NEIC	VIII	15 09 21 39.0–.00	60.04N	151.40W	49	3.2L,3.3		

ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=8.4km az=114.0.
NEIC Event type fe. Felt [II] at Homer. Also felt at Cooper Landing. After AEIC.

(216) Mariana Islands

ISC	**VIII**	**15 10 10 01.7–.62**	**13.02N–.06**	**145.67E–.06**	**47–4**	**4.9b,3.9s**	**397**	**1-151**
ISCJB	VIII	15 10 09 57.0–1.9	13.13N–.04	145.56E–.03	18–13	4.9b,4.1s		**¶601561884**
DJA	VIII	15 10 09 58.1–5.2	13N–10	146E–11	25–43	5.8b,5.3		
MOS	VIII	15 10 10 00.3–1.1	13.15N	145.55E	47	5.2b,5.3		
NEIC	VIII	15 10 10 02.7–.77	13.04N	145.55E	55–6	4.9b,5.3		
IDC	VIII	15 10 10 03.2–1.3	13.06N	145.63E	61–9	4.9,4.6		
BJI	VIII	15 10 10 03.0	13.22N	145.66E	64	5.1b,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.8km az=2.3.
MOS Error ellipse: s-maj=15.3km s-min=7.1km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=146.0. Felt at Barrigada.
IDC Error ellipse: s-maj=14.7km s-min=12.6km az=102.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**15 17 49 06.3–.55**	**38.47N–.02**	**46.68E–.01**	**12–3**	**5.2b,4.2s**	**1307**	**0-134**
ISN	VIII	15 17 49 01.2–1.2	38.76N	46.87E	0–49	5.0L,4.2s		**¶601564146**
AZER	VIII	15 17 49 02.5–.64	38.43N	46.65E	6–0	5.3L,4.2s		
IDC	VIII	15 17 49 03.4–.35	38.30N	46.71E	0	4.9,4.9		
NEIC	VIII	15 17 49 04.6–.00	38.41N	46.67E	4	5.3b,5.1L		
BJI	VIII	15 17 49 04.1	38.40N	46.70E	7	5.2b,5.2b		
TEH	VIII	15 17 49 04.6	38.44N	46.67E	4	5.0L,5.2b		
MOS	VIII	15 17 49 04.4–1.3	38.33N	46.73E	11	5.3b,5.2b		
ISCJB	VIII	15 17 49 05.0–.35	38.49N–.01	46.74E–.01	11–2	5.2b,4.3s		
THR	VIII	15 17 49 05.0–.34	38.45N	46.66E	14–5	5.1L,4.3s		
GII	VIII	15 17 49 06.4–.00	38.59N	46.87E	5	5.1L,4.3s		
NNC	VIII	15 17 49 06.8–11	38.73N	46.90E	0	5.6b,5.2		
DSN	VIII	15 17 49 07.5–.32	38.23N	46.78E	10	5.3b,5.2		
GCMT	VIII	15 17 49 08.6–.20	38.39N–.02	46.71E–.02	13–0	5.0W,5.2		
DDA	VIII	15 17 49 49.5	38.53N	46.88E	12	4.6L,5.2		

ISC Event type fe.
ISN Error ellipse: s-maj=50.6km s-min=35.1km az=-1.0.
AZER Error ellipse: s-maj=1.8km s-min=0.7km az=19.0.
IDC Error ellipse: s-maj=8.9km s-min=6.8km az=16.0.
NEIC Event type fe. Felt [IV] at Tabriz. Also felt at Ahar, Marand and Orumiyeh. Felt at Jermuk, Armenia. After TEH.
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=125.1.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=22.6.
THR Error ellipse: s-maj=4.6km s-min=2.5km az=-1.0.
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=103.7km s-min=54.2km az=55.0.
DSN Error ellipse: s-maj=7.3km s-min=3.9km az=47.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c56; s92,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.16 $M_{\theta\theta}$-0.34±.12; $M_{\phi\phi}$-2.55±.11; $M_{r\theta}$-0.03±.31; $M_{\theta\phi}$-3.77±.10; $M_{\phi r}$0.70±.26; Best double couple: NP1:ϕ_s10.00000°,δ56.00000°,λ51.00000°. NP2:ϕ_s246.00000°,δ50.00000°,λ133.00000°. Principal axes: T 3.1960,Plg58.0000° ,Azm223.0000°; N 2.2130,Plg32.0000°,Azm34.0000°; P -5.4090,Plg4.0000°,Azm127.0000° M_o4.30300×10^{16}
DDA Event type ke.

(73) El Salvador

ISC	**VIII**	**15 23 45 54.7–.34**	**13.34N–.03**	**89.22W–.03**	**74–2**	**5.1b**	**1452**	**0-162**
NEIC	VIII	15 23 45 52.3–.19	13.15N	89.22W	56	5.6,5.5W		**¶601564025**
IDC	VIII	15 23 45 52.6–.96	13.52N	88.90W	55–7	4.8,4.6		
UCR	VIII	15 23 45 53.5–2.0	13.26N	89.35W	71–10	5.3L,5.2b		
ISCJB	VIII	15 23 45 53.8–.18	13.25N–.02	89.27W–.02	83–1	5.0b,5.2b		
BJI	VIII	15 23 45 55.5	13.10N	89.20W	80	5.4s,5.2		
GCMT	VIII	15 23 45 55.3–.10	13.17N–.01	89.55W–.01	64–0	5.5W,5.2		
MOS	VIII	15 23 45 56.2–1.1	13.35N	89.09W	104	5.1b,4.5s		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=38.0. Felt [V] at San Salvador and [IV] at Antiguo Cuscatlan, El Rosario, La Libertad, Nueva San Salvador and San Pedro Perulapan. Felt in much of El Salvador and at Antigua Guatemala and Villa Nueva, Guatemala. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.79 $M_{\theta\phi}$1.02 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s136.00000°,δ62.00000° ,λ73.00000°. NP2:ϕ_s349.00000°,δ33.00000°,λ119.00000°. Principal axes: T 1.7600,Plg69.0000°,Azm11.0000°; N 0.3700,Plg15.0000°,Azm144.0000° ; P -2.1300,Plg15.0000°,Azm238.0000° M_o2.00000×10^{17}
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=58.0.
UCR Error ellipse: s-maj=8.2km s-min=5.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.8km az=42.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c177; s111,c218;Duration: 1$\mathfrak{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.03 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$-0.90±.03; $M_{r\theta}$1.01±.02; $M_{\theta\phi}$0.98±.02; $M_{\phi r}$-0.70±.02; Best double couple: NP1:ϕ_s128.00000°,δ67.00000°,λ73.00000°. NP2:ϕ_s347.00000°,δ28.00000°,λ125.00000°. Principal axes: T 1.6800,Plg64.0000° ,Azm10.0000°; N 0.3540,Plg16.0000°,Azm135.0000°; P -2.0320,Plg20.0000°,Azm231.0000° M_o1.85600×10^{17}
MOS Error ellipse: s-maj=8.7km s-min=4.2km az=105.4.

(628) Society Islands region

ISC	**VIII**	**16 02 38 09.4–.93**	**17.43S–.05**	**149.04W–.06**	**9–5**	**4.8b,3.9s**	**523**	**0-158**
ISCJB	VIII	16 02 38 07.5–.22	17.70S–.05	149.02W–.03	10	4.6b,3.9s		**¶601564030**
IDC	VIII	16 02 38 08.3–.46	17.49S	149.29W	0	4.7,4.5b		
NEIC	VIII	16 02 38 11.2–.50	17.55S	149.16W	16–3	4.8b,4.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.5km az=163.9.
IDC Error ellipse: s-maj=22.0km s-min=7.7km az=150.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=3.5km az=141.0. Felt [III] at Faaa. Also felt at Papao, Papeete, Punaauia and Tiarei.

(613) Hawaiian Islands

NEIC	**VIII**	**16 08 43 06.1–.00**	**19.30N**	**155.22W**	**10**	**3.7**		
								¶601564321

NEIC Event type fe. Felt [III] at Kea'au, Pahoa and Volcano and [II] at Hilo, Mountain View and Papa'ikou. Also felt at Captain Cook, Hakalau, Hawaii National Park, Kailua Kona, Kurtistown, Pa'auilo and Pepeekeo. After HVO.

(227) Eastern Honshu

ISC	**VIII**	**16 09 59 17.5–.48**	**39.88N–.04**	**140.45E–.05**	**141–4**	**4.4b**	**274**	**0-146**
NIED	VIII	16 09 59 00	39.90N	140.40E	130	4.3W		**¶601564153**
BJI	VIII	16 09 59 09.4	39.74N	141.02E	110	4.9b,4.8b		
ISCJB	VIII	16 09 59 17.5–.19	39.95N–.02	140.34E–.04	143–2	4.3b,4.8b		
MOS	VIII	16 09 59 17.4–.94	40.05N	140.27E	137	4.5b,4.8b		
JMA	VIII	16 09 59 18.9–.10	39.87N	140.41E	140–1	4.1,4.8b		
IDC	VIII	16 09 59 18.1–1.0	39.88N	140.31E	140–9	4.4,4.1		
NEIC	VIII	16 09 59 19.1–.38	39.92N	140.29E	145–3	4.3b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ64.00000°,λ-177.00000°. NP2:ϕ_s13.00000°,δ87.00000°,λ-26.00000°. M_o3.65000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.2km az=39.5.
MOS Error ellipse: s-maj=7.0km s-min=5.1km az=87.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s13.00000°,δ88.00000°,λ-34.00000°. NP2: ϕ_s104.00000°,δ56.00000°,λ-178.00000°. Principal axes: T Plg22.0000°,Azm64.0000° ; N Plg56.0000°,Azm190.0000°; P Plg25.0000°,Azm323.0000°
IDC Error ellipse: s-maj=10.5km s-min=8.4km az=112.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=150.0. Recorded [2 JMA] in Aomori.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**16 16 53 29.8–1.1**	**36.76N–.03**	**140.57E–.05**	**7–8**	**3.6b**	**23**	**0-76**
NIED	VIII	16 16 53 00	36.80N	140.60E	5	3.4W		**¶601765951**
ISCJB	VIII	16 16 53 29.2–.66	36.77N–.03	140.60E–.06	12–4	3.5b		
JMA	VIII	16 16 53 29.6	36.77N	140.57E	9	3.6		
IDC	VIII	16 16 53 36.0–2.9	36.66N	140.25E	62–28	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s175.00000°,δ57.00000°,λ-85.00000°. M_o1.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.0km az=18.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s202.00000°,δ74.00000°,λ-78.00000°. NP2:ϕ_s344.00000°,δ20.00000°,λ-126.00000°. Principal axes: T Plg28.0000°,Azm282.0000°; N Plg11.0000°,Azm18.0000°; P Plg59.0000° ,Azm128.0000°

IDC Error ellipse: s-maj=29.9km s-min=21.7km az=76.0.

(460) Wyoming

ISC	**VIII**	**16 17 58 28.3–.96**	**43.82N–.07**	**105.15W–.08**	**0**		**22**	**1-90**
ISCJB	VIII	16 17 58 27.2–.47	43.86N–.05	105.16W–.06	0	3.8b		**¶601765955**
NEIC	VIII	16 17 58 28.9–.37	43.84N	105.16W	0	3.3L		
IDC	VIII	16 17 58 29.2–1.8	43.98N	105.64W	0	3.8,3.7b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.5km s-min=6.4km az=149.2.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=5.2km az=145.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=59.2km s-min=8.3km az=146.0.

(73) El Salvador

ISC	**VIII**	**16 20 13 02.8–1.0**	**13.22N–.08**	**89.37W–.05**	**67–7**	**4.0b**	**87**	**0-147**
ISCJB	VIII	16 20 13 01.4–.54	13.14N–.05	89.39W–.04	70–4	3.9b		**¶601765957**
UCR	VIII	16 20 13 02.2–1.4	13.20N	89.38W	64–8	4.1L,4.1b		
IDC	VIII	16 20 13 02.5–1.9	13.74N	88.88W	60–24	3.8,3.8L		
NEIC	VIII	16 20 13 03.4–.96	13.25N	89.29W	73–8	4.4,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=3.7km az=32.7.
UCR Error ellipse: s-maj=6.6km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=64.8km s-min=12.3km az=39.0.
NEIC Event type fe. Error ellipse: s-maj=20.3km s-min=8.1km az=215.0. Felt [III] at San Salvador.

(540) The Netherlands

ISC	**VIII**	**16 20 30 30.7–.47**	**53.35N–.02**	**6.62E–.02**	**0**	**3.7b**	**484**	**0-56**
ISCJB	VIII	16 20 30 28.8–.12	53.436N–.01	6.54E–.02	0	3.7b		**¶601564502**
MOS	VIII	16 20 30 30.8–1.6	53.38N	6.57E	14	4.0b		
IDC	VIII	16 20 30 31.7–1.2	53.16N	6.36E	0	3.8,3.6		
BGS	VIII	16 20 30 32.4–1.2	53.38N	6.60E	10–24	3.9L,3.9L		
BGR	VIII	16 20 30 33.4–.37	53.37N	6.57E	5	3.7L,3.9L		
BNS	VIII	16 20 30 33.2–.64	53.36N	6.56E	3	3.4L,3.9L		
LDG	VIII	16 20 30 33.6–.09	53.33N	6.68E	3	3.8,3.8L		
NEIC	VIII	16 20 30 33.4–.00	53.34N	6.75E	3	3.4L,3.8L		
UPP	VIII	16 20 30 36.7–3.8	53.54N	7.12E	0–26	2.6L,3.8L		
PRU	VIII	16 20 30 38.0–.00	53.28N	7.01E	14	2.6L,3.8L		
NAO	VIII	16 20 30 38.1–4.0	53.80N	6.16E	12–21	3.4L,3.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=1.6km s-min=1.3km az=5.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=96.9.
IDC Error ellipse: s-maj=20.4km s-min=12.2km az=63.0.
BGS Error ellipse: s-maj=7.5km s-min=70.0km az=-1.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=125.0.
BNS Event type ki.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=64.0.
NEIC Event type fe. Felt [III] at Groningen. Also felt at Bedum, Delfzijl and Slochteren. After DBN.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.

(235) Kyushu

ISC	**VIII**	**16 23 46 48.8–.68**	**32.06N–.03**	**130.08E–.03**	**26–4**	**4.8b,4.1s**	**357**	**0-161**
NIED	VIII	16 23 46 00	32.10N	130.00E	8	4.7W,4.1s		**¶601564508**
IDC	VIII	16 23 46 44.3–.40	32.07N	130.05E	0	4.5,4.3		
ISCJB	VIII	16 23 46 46.1–.48	32.08N–.02	130.02E–.02	16–3	4.7b,4.1s		
JMA	VIII	16 23 46 46.0	32.06N	130.00E	10–1	4.9,4.1s		
BJI	VIII	16 23 46 46.9	32.08N	130.14E	20	4.9b,4.8s		
GCMT	VIII	16 23 46 46.5–.40	32.06N–.02	129.97E–.03	17–1	4.8W,4.8s		
NEIC	VIII	16 23 46 48.5–.97	32.02N	130.01E	23–6	4.9b,4.8s		
MOS	VIII	16 23 46 49.2–1.1	32.09N	130.04E	42	4.9b,4.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ63.00000°,λ-24.00000°. NP2:ϕ_s219.00000°,δ69.00000°,λ-151.00000°. M_o1.45000×10^{16}
IDC Error ellipse: s-maj=10.8km s-min=8.8km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.2km az=168.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s242.00000°,δ53.00000°,λ-119.00000°. NP2:ϕ_s104.00000°,δ46.00000°,λ-57.00000°. Principal axes: T Plg4.0000°,Azm352.0000°; N Plg23.0000°,Azm260.0000°; P Plg67.0000° ,Azm91.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c19; s64,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98±.14 $M_{\theta\theta}$2.01±.11; $M_{\phi\phi}$-1.03±.08; $M_{r\theta}$0.22±.22; $M_{\theta\phi}$0.63±.07; $M_{\phi r}$0.33±.25; Best double couple: NP1:ϕ_s221.00000°,δ69.00000°,λ-148.00000°. NP2:ϕ_s118.00000°,δ61.00000°,λ-25.00000°. Principal axes: T 2.1620,Plg5.0000° ,Azm348.0000°; N -0.7920,Plg52.0000°,Azm252.0000°; P -1.3680,Plg37.0000° ,Azm82.0000° M_o1.76500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=163.0. Felt at Arao and Kanoya. Recorded [4 JMA] in Kagoshima and Kumamoto.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=96.6.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**17 06 15 14.2–1.1**	**37.32N–.04**	**141.98E–.04**	**31–7**	**4.6b,3.8s**	**191**	**1-147**
NIED	VIII	17 06 15 00	37.40N	141.90E	41	4.5W,3.8s		**¶601564821**
BJI	VIII	17 06 15 09.5	37.23N	141.94E	11	4.9b,4.6b		
MOS	VIII	17 06 15 13.7–1.1	37.37N	141.95E	41	4.7b,4.6b		
ISCJB	VIII	17 06 15 13.8–.56	37.31N–.02	141.91E–.04	40–4	4.5b,3.8s		
JMA	VIII	17 06 15 14.1–.10	37.35N	141.87E	41–3	4.6,3.8s		
IDC	VIII	17 06 15 15.5–2.3	37.30N	141.83E	40–21	4.4L,4.3		
NEIC	VIII	17 06 15 16.0–.56	37.30N	141.85E	42–5	4.6b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ23.00000°,λ-172.00000°. NP2:ϕ_s92.00000°,δ87.00000°,λ-67.00000°. M_o6.97000×10^{15}
MOS Error ellipse: s-maj=8.4km s-min=5.8km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=24.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=12.1km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=116.0. Recorded [2 JMA] in Fukushima.

(224) Hokkaido region

ISC	**VIII**	**17 07 24 36.2–.38**	**41.20N–.03**	**142.06E–.03**	**54–3**	**4.9b,4.3s**	**956**	**1-153**
NIED	VIII	17 07 24 00	41.20N	142.00E	53	5.0W,4.3s		**¶601565577**
MOS	VIII	17 07 24 35.2–.87	41.27N	141.96E	54	5.2b,4.3s		
BJI	VIII	17 07 24 35.6	41.12N	142.07E	75	5.1b,4.9b		
GCMT	VIII	17 07 24 36.8–.20	41.26N–.02	142.13E–.02	56–1	5.0W,4.9b		
ISCJB	VIII	17 07 24 36.3–.22	41.21N–.02	141.98E–.02	65–1	4.7b,4.9b		
JMA	VIII	17 07 24 36.6	41.20N	142.04E	58–1	4.9,4.9b		
IDC	VIII	17 07 24 38.0–.56	41.21N	142.01E	71–4	4.7,4.5		
NEIC	VIII	17 07 24 38.8–.28	41.20N	141.95E	74–2	4.8b,4.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ22.00000°,λ50.00000°. NP2:ϕ_s28.00000°,δ73.00000°,λ105.00000°. M_o3.22000×10^{16}
MOS Error ellipse: s-maj=5.6km s-min=3.9km az=100.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c73; s82,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.18 $M_{\theta\theta}$-0.25±.13; $M_{\phi\phi}$-3.70±.12; $M_{r\theta}$1.52±.10; $M_{\theta\phi}$-1.08±.10; $M_{\phi r}$1.89±.10; Best double couple: NP1:ϕ_s27.00000°,δ61.00000°,λ101.00000°. NP2:ϕ_s185.00000°,δ31.00000°,λ71.00000°. Principal axes: T 4.7130,Plg72.0000° ,Azm324.0000°; N -0.1050,Plg10.0000°,Azm202.0000°; P -4.6080,Plg15.0000° ,Azm109.0000° M_o4.66000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=150.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ79.00000°,λ92.00000°. NP2:ϕ_s198.00000°,δ11.00000°,λ78.00000°. Principal axes: T Plg56.0000°,Azm303.0000°; N Plg2.0000°,Azm210.0000°; P Plg34.0000° ,Azm118.0000°
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=112.0.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=154.0. Felt at Hachinohe, Honshu. Recorded [3 JMA] in southern Hokkaido.

(238) Ryukyu Islands

ISC	**VIII**	**17 09 38 12.9–.67**	**29.11N–.04**	**129.32E–.05**	**10**	**3.7b,3.6s**	**34**	**0-61**
NIED	VIII	17 09 38 00	29.10N	129.20E	5	4.1W,3.6s		**¶606013845**
ISCJB	VIII	17 09 38 12.2–.36	29.14N–.03	129.27E–.05	10	3.8b,3.5s		
JMA	VIII	17 09 38 12.6–.10	29.17N	129.28E	10–4	3.5,3.5s		
IDC	VIII	17 09 38 18.2–2.6	29.03N	129.20E	40–26	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ48.00000°,λ-38.00000°. NP2:ϕ_s243.00000°,δ62.00000°,λ-131.00000°. M_o1.47000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.2km az=21.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=14.6km az=81.0.

(238) Ryukyu Islands

ISC	**VIII**	**17 10 10 52.0–1.1**	**29.17N–.03**	**129.38E–.04**	**7–8**	**3.8b,3.4s**	**35**	**0-90**
NIED	VIII	17 10 10 00	29.20N	129.30E	5	4.2W,3.4s		¶601765982
ISCJB	VIII	17 10 10 51.6–.69	29.19N–.03	129.34E–.06	11–5	3.7b,3.3s		
IDC	VIII	17 10 10 51.1–.80	29.21N	129.49E	0	4.0,3.8		
JMA	VIII	17 10 10 51.5–.10	29.20N	129.24E	18–1	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ48.00000°,λ-145.00000°. NP2:ϕ_s128.00000°,δ65.00000°,λ-47.00000°. $M_0$2.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.6km az=22.7.
IDC Error ellipse: s-maj=30.2km s-min=16.7km az=95.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

(238) Ryukyu Islands

ISC	**VIII**	**17 10 20 04.6–1.2**	**29.13N–.03**	**129.39E–.05**	**6–9**	**3.5b**	**35**	**0-53**
ISCJB	VIII	17 10 20 05.0–.47	29.16N–.03	129.30E–.06	18–4	3.5b,2.5s		¶601765984
IDC	VIII	17 10 20 04.2–1.3	29.14N	129.45E	0	3.7,3.7		
JMA	VIII	17 10 20 04.5–.10	29.17N	129.26E	18–2	3.2,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.4km az=25.1.
IDC Error ellipse: s-maj=42.3km s-min=20.5km az=80.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**17 11 37 31.2–.51**	**36.67N–.04**	**141.09E–.05**	**85–4**	**4.4b**	**198**	**0-147**
NIED	VIII	17 11 37 00	36.70N	141.00E	83	4.2W		¶606013952
BJI	VIII	17 11 37 29.9	36.83N	141.15E	77	4.8b,4.7b		
ISCJB	VIII	17 11 37 31.6–.30	36.66N–.03	140.96E–.04	92–2	4.3b,4.7b		
IDC	VIII	17 11 37 31.8–.66	36.63N	140.96E	84–5	4.2,4.1		
NEIC	VIII	17 11 37 31.9–.56	36.68N	141.01E	81–5	4.4b,4.1		
MOS	VIII	17 11 37 32.5–.93	36.99N	140.96E	93	4.4b,4.1		
JMA	VIII	17 11 37 32.0–.10	36.66N	140.99E	89–1	4.3,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s86.00000°,δ42.00000°,λ-51.00000°. NP2:ϕ_s218.00000°,δ59.00000°,λ-120.00000°. $M_0$2.27000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=41.7.
IDC Error ellipse: s-maj=13.8km s-min=13.7km az=170.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=5.8km az=156.0. Felt at Fukushima, Hitachi, Koriyama, Mito and Tsuchiura. Recorded [3 JMA] in Fukushima and Ibaraki.
MOS Error ellipse: s-maj=8.3km s-min=6.1km az=108.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**17 12 02 14.1–.10**	**37.46N**	**141.56E**	**46–1**	**3.6**		
NIED	VIII	17 12 02 00	37.40N	141.60E	38	3.4W		¶603658446

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ20.00000°,λ55.00000°. NP2:ϕ_s19.00000°,δ74.00000°,λ102.00000°. $M_0$1.22000×10^{14}

(45) California-Baja California border region

ISC	**VIII**	**17 12 11 15.4–.56**	**32.59N–.02**	**115.34W–.02**	**13–5**		**87**	**0-6**
ISCJB	VIII	17 12 11 14.2–.45	32.60N–.02	115.32W–.02	11–3			¶601738896
MEX	VIII	17 12 11 16.3–.40	32.65N	115.26W	10–4	4.0		
NEIC	VIII	17 12 11 16.3–.00	32.60N	115.34W	8	3.0,2.9L		
ECX	VIII	17 12 11 16.3–.60	32.59N	115.33W	8	3.0L,2.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=177.1.
MEX Error ellipse: s-maj=5.1km s-min=2.9km az=-1.0.
NEIC Event type fe. Felt at Ensenada. After ECX.
ECX Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.

(238) Ryukyu Islands

ISC	**VIII**	**17 16 23 59.2–1.2**	**29.12N–.03**	**129.32E–.04**	**3–8**	**4.1s,4.1b**	**57**	**0-94**
NIED	VIII	17 16 23 00	29.20N	129.20E	5	4.6W,4.1b		¶601565309
ISCJB	VIII	17 16 23 58.2–.75	29.12N–.03	129.35E–.04	6–5	4.1s,4.1b		
IDC	VIII	17 16 23 58.6–.63	29.10N	129.32E	0	4.3,4.1b		
JMA	VIII	17 16 23 58.5–.10	29.15N	129.21E	15–1	3.9,4.1b		
NEIC	VIII	17 16 24 03.7–.55	29.03N	129.29E	35	4.1b,4.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ39.00000°,λ-136.00000°. NP2:ϕ_s93.00000°,δ64.00000°,λ-60.00000°. $M_0$1.01000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=11.3.
IDC Error ellipse: s-maj=19.8km s-min=13.2km az=90.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.0km s-min=9.0km az=102.0. Recorded [2 JMA] in Kagoshima, Kyushu.

(238) Ryukyu Islands

ISC	**VIII**	**17 17 27 17.4–1.0**	**29.19N–.04**	**129.29E–.06**	**7–7**	**3.3b**	**22**	**0-53**
ISCJB	VIII	17 17 27 16.8–.67	29.21N–.04	129.24E–.08	12–4	3.4b,3.4s		¶601766007
JMA	VIII	17 17 27 16.7–.10	29.23N	129.20E	12–1	3.0,3.4s		
IDC	VIII	17 17 27 17.4–2.0	29.12N	129.16E	0	3.6,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.2km az=18.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=78.3km s-min=20.5km az=69.0.

(60) Oaxaca

ISC	**VIII**	**17 19 19 30.1–.62**	**17.35N–.04**	**95.83W–.03**	**80–7**	**4.2b**	**226**	**1-133**
ISCJB	VIII	17 19 19 30.4–.32	17.24N–.04	95.80W–.03	97–4	4.2b		¶601736121
IDC	VIII	17 19 19 32.3–1.8	17.13N	95.71W	90–16	3.9,3.9		
MEX	VIII	17 19 19 32.7–1.1	17.02N	95.98W	114–13	4.2,3.9		
NEIC	VIII	17 19 19 32.7–.00	17.02N	95.98W	114	4.2,4.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=16.4.
IDC Error ellipse: s-maj=52.8km s-min=19.5km az=45.0.
MEX Error ellipse: s-maj=10.0km s-min=7.9km az=-1.0.
NEIC Event type fe. Felt at Acatzingo, Oaxaca and Mexico. After MEX.

(244) Taiwan

ISC	**VIII**	**17 20 20 02.5–.53**	**23.36N–.02**	**121.58E–.02**	**27–3**	**5.0b,4.4s**	**839**	**0-168**
BJI	VIII	17 20 19 59.5	23.41N	121.59E	8	5.0L,4.8s		¶601565592
NIED	VIII	17 20 20 00	23.40N	121.60E	32	4.6W,4.8s		
JMA	VIII	17 20 20 01.8	23.36N	121.56E	21–1	4.7,4.8s		
NEIC	VIII	17 20 20 02.0–.52	23.31N	121.53E	25–3	5.3L,5.1b		
TAP	VIII	17 20 20 03.0	23.38N	121.49E	26–0	5.2L,5.1b		
ISCJB	VIII	17 20 20 02.8–.15	23.35N–.01	121.57E–.01	41–1	5.0b,4.3s		
MOS	VIII	17 20 20 02.6–1.1	23.34N	121.61E	43	5.1b,4.7s		
IDC	VIII	17 20 20 03.5–2.5	23.34N	121.63E	33–19	4.5,4.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ56.00000°,λ-17.00000°. NP2:ϕ_s40.00000°,δ76.00000°,λ-145.00000°. $M_0$9.29000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=97.0. Felt at Hualien, Kaohsiung and Madou. Recorded [5 TAP] in Taitung; [4 TAP] in Hualien; [2 TAP] in Changhua, Kaohsiung, Nantou and Yunlin; [1 TAP] in Chiayi and Pingtung. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.73 $M_{r\theta}$-1.14 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s2.00000°,δ27.00000°,λ35.00000°. NP2:ϕ_s240.00000°,δ75.00000°,λ113.00000°. Principal axes: T 1.5700,Plg55.0000°,Azm178.0000°; N -0.2800,Plg22.0000°,Azm53.0000°; P -1.2900,Plg26.0000°,Azm312.0000° $M_0$1.50000×10^{16}
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=39.5.
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=114.2.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=73.0.

(348) Northern and central Iran

ISC	**VIII**	**17 20 31 27.2–.85**	**35.83N–.03**	**51.87E–.02**	**9–6**	**3.7b**	**99**	**0-22**
ISCJB	VIII	17 20 31 26.0–.47	35.92N–.02	51.88E–.02	3–4	3.6b		¶601766023
TEH	VIII	17 20 31 26.7	35.81N	51.88E	8	3.7L		
THR	VIII	17 20 31 26.6–.63	35.80N	51.87E	9–3	3.8L		
NEIC	VIII	17 20 31 26.6–.00	35.83N	51.88E	7	3.8,3.8b		
AZER	VIII	17 20 31 30.6–1.1	36.17N	52.00E	15	4.0L,3.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=21.6.
THR Error ellipse: s-maj=3.1km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt [II] at Tehran. Also felt at Damavand. After TEH.
AZER Error ellipse: s-maj=20.0km s-min=5.5km az=72.0.

(394) Canary Islands region

ISC	**VIII**	**18 01 50 48.3–1.2**	**28.65N–.04**	**16.52W–.03**	**33–2**		**35**	**0-12**
ISCJB	VIII	18 01 50 47.9–.40	28.58N–.05	16.50W–.03	42–8			¶601565317
MDD	VIII	18 01 50 51.1–.20	28.53N	16.51W	27–2	3.8		
INMG	VIII	18 01 50 52.6–.83	28.58N	16.52W	10	3.5L		
PDA	VIII	18 01 50 52.0	28.55N	16.53W	10	3.5L		
CNRM	VIII	18 01 51 00.1	29.41N	16.01W	30	4.1L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.8km az=166.1.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=0.8km az=173.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO TT-model: canary.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=129.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**18 03 38 01.4–.89**	**39.11N–.04**	**142.22E–.06**	**32–5**	**4.1b,3.3s**	**45**	**0-81**
ISCJB	VIII	18 03 38 00.9–.89	39.13N–.04	142.29E–.09	46–6	4.0b,3.3s		¶606014624
JMA	VIII	18 03 38 00.4–.10	39.16N	142.36E	33–1	4.2,3.3s		
NIED	VIII	18 03 38 00	39.20N	142.40E	38	4.0W,3.3s		
IDC	VIII	18 03 38 01.6–.77	39.08N	142.22E	34–6	3.9,3.8b		
NEIC	VIII	18 03 38 04.4–.89	39.12N	142.14E	59–7	4.2b,3.8b		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=5.3km az=15.2.
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ10.00000°,λ-160.00000°. NP2:ϕ_s196.00000°,δ87.00000°,λ-81.00000°. $M_0$1.31000×10^{15}
IDC Error ellipse: s-maj=20.4km s-min=15.3km az=98.0.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=6.9km az=105.0. Recorded [2 JMA] in Iwate.

(227) Eastern Honshu

JMA	**VIII**	**18 06 31 46.2**	**35.33N**	**137.50E**	**53–1**	**3.0**		
								¶606014680

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s358.00000°,δ86.00000°,λ139.00000°. NP2:ϕ_s92.00000°,δ49.00000°,λ6.00000°. Principal axes: T Plg31.0000°,Azm307.0000°; N Plg49.0000°,Azm173.0000°; P Plg24.0000°,Azm52.0000°

(73) El Salvador

ISC	**VIII**	**18 06 43 41.4–1.7**	**12.99N–.07**	**88.98W–.06**	**3–13**		**46**	**0-5**
UCR	VIII	18 06 43 42.8–1.1	12.96N	89.07W	32–2	3.9L,3.8		¶601741055
NEIC	VIII	18 06 43 46.2–1.5	13.09N	88.88W	35	3.8,3.8		

ISC Event type fe.
UCR Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=41.5km s-min=11.1km az=210.0. Felt [I] at La Paz.

(284) South of Bali

ISC	**VIII**	**18 06 55 39.1–.95**	**9.25S–.08**	**114.12E–.05**	**84–8**	**4.2b**	**111**	**1-167**
IDC	VIII	18 06 55 27.8–.57	9.31S	113.85E	0	4.2,4.2		¶601565324
ISCJB	VIII	18 06 55 39.6–.49	9.12S–.07	114.18E–.05	102–4	4.2b,4.2		
NEIC	VIII	18 06 55 40.0–.62	9.14S	114.20E	91–5	4.3b,4.2		
DJA	VIII	18 06 55 39.3–.60	9S–9.0	114E–3.0	54–29	5.1b,4.5		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Kuta and Nusadua.

(193) Bougainville-Solomon Islands region

ISC	**VIII**	**18 09 39 14.2–.34**	**6.89S–.06**	**155.69E–.05**	**50**	**4.6b**	**118**	**4-154**
ISCJB	VIII	18 09 39 12.3–.23	6.95S–.04	155.73E–.05	50	4.7b		¶601565601
BJI	VIII	18 09 39 16.6	6.84S	156.04E	87	4.9b,4.9b		
NEIC	VIII	18 09 39 17.8–.82	7.00S	155.78E	89–7	4.6b,4.9b		
IDC	VIII	18 09 39 17.5–1.8	7.02S	155.67E	85–16	4.5,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=9.4.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=88.0. Felt at Gizo.
IDC Error ellipse: s-maj=12.7km s-min=11.1km az=52.0.

(268) Sulawesi

ISC	**VIII**	**18 09 41 55.2–.41**	**1.35S–.02**	**120.13E–.02**	**28–2**	**6.2s,5.7b**	**1361**	**1-178**
IDC	VIII	18 09 41 49.7–.25	1.28S	120.11E	0	6.1,6.1s		¶601565602
BJI	VIII	18 09 41 51.8	1.43S	120.07E	19	6.3s,6.2b		
ISCJB	VIII	18 09 41 51.8–.41	1.32S–.01	120.16E–.01	15–3	6.2s,5.6b		
NEIC	VIII	18 09 41 52.5–.12	1.32S	120.10E	10	6.6,6.3W		
DJA	VIII	18 09 41 53.6–.10	1S–1.0	120E–1.0	10	6.5b,6.3		
MOS	VIII	18 09 41 54.0–1.4	1.26S	120.18E	32	6.0s,5.9b		
NEIC	VIII	18 09 41 54.0–.00	1.35S	120.50E	13	6.0s,5.9b		
KLM	VIII	18 09 41 54.0	1.27S	120.19E	10	6.3b,5.9b		
GCMT	VIII	18 09 41 55.5–.10	1.26S	120.00E	12–0	6.3W,5.9b		
NEIC	VIII	18 09 42 06.0–.00	1.35S	119.95E	14	6.3W,5.9b		

ISC Event type de.
IDC Error ellipse: s-maj=8.3km s-min=5.4km az=40.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=2.2km az=38.7.
NEIC Event type de. Error ellipse: s-maj=4.0km s-min=3.3km az=50.0. At least 6 people killed, 43 injured, 471 homes destroyed and 1,097 damaged in the epicentral area. Landslides blocked roads and some roads and bridges in the area were destroyed. Felt [V] at Palu and [IV] at Kulawi. Also felt at Poso. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.21 $M_{\theta\phi}$-2.89 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s72.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_s162.00000°,δ88.00000°,λ3.00000°. Principal axes: T 3.6600,Plg4.0000°,Azm27.0000°; N -0.1700,Plg86.0000°,Azm193.0000°; P -3.4900,Plg1.0000°,Azm297.0000° $M_0$3.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ88.00000°,λ175.00000°. NP2:ϕ_s330.00000°,δ85.00000°,λ2.00000°. Principal axes: T Plg5.0000°,Azm195.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm285.0000°
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=113.6.
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-1.79 $M_{r\theta}$-1.03 $M_{\theta\phi}$-2.29 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s71.00000°,δ88.00000°,λ-159.00000°. NP2:ϕ_s340.00000°,δ69.00000°,λ-2.00000°. Principal axes: T 3.1800,Plg13.0000°,Azm203.0000°; N -0.0600,Plg69.0000°,Azm76.0000°; P -3.1200,Plg16.0000°,Azm297.0000° $M_0$3.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c344; s147,c592; Duration: 3s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.70±.02 $M_{\theta\theta}$2.74±.02; $M_{\phi\phi}$-2.04±.02; $M_{r\theta}$-0.28±.04; $M_{\theta\phi}$-2.78±.02; $M_{\phi r}$-0.34±.04; Best double couple: NP1:ϕ_s70.00000°,δ85.00000°,λ-173.00000°. NP2:ϕ_s339.00000°,δ83.00000°,λ-5.00000°. Principal axes: T 4.0190,Plg1.0000°,Azm205.0000°; N -0.6390,Plg81.0000°,Azm106.0000°; P -3.3820,Plg9.0000°,Azm295.0000° $M_0$3.70000×10^{18}
NEIC Event type se. Moment Tensor Solution. s113 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.38 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.36 $M_{\theta\phi}$-2.79 $M_{\phi r}$-1.58 Best double couple: NP1:ϕ_s338.00000°,δ78.00000°,λ-21.00000°. NP2:ϕ_s73.00000°,δ70.00000°,λ-167.00000°. Principal axes: T 3.8200,Plg5.0000°,Azm27.0000°; N 0.2600,Plg66.0000°,Azm128.0000°; P -4.0800,Plg23.0000°,Azm294.0000° $M_0$4.00000×10^{18}

(66) Near coast of Oaxaca

ISC	**VIII**	**18 12 38 33.1–.51**	**15.44N–.04**	**94.67W–.03**	**32–3**	**4.7b,4.4s**	**422**	**1-147**
IDC	VIII	18 12 38 27.9–.53	15.46N	94.61W	0	4.5,4.4		¶601565857
ISCJB	VIII	18 12 38 32.6–.45	15.46N–.02	94.62W–.02	38–4	4.7b,4.4s		
NEIC	VIII	18 12 38 33.8–.20	15.44N	94.62W	34	5.0,4.8b		
BJI	VIII	18 12 38 33.2	15.50N	94.60W	34	5.3b,5.2s		
MEX	VIII	18 12 38 33.4–1.5	15.37N	94.73W	16–21	5.0,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=10.2km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=217.0. Felt at Juchitan, Mexico, San Mateo del Mar and Tuxtla Gutierrez.
MEX Error ellipse: s-maj=13.6km s-min=4.9km az=-1.0.

(267) Halmahera

ISC	**VIII**	**18 15 31 44.6–.34**	**2.61N–.03**	**128.73E–.03**	**43–2**	**5.5s,5.4b**	**978**	**2-171**
IDC	VIII	18 15 31 38.1–.28	2.65N	128.55E	0	5.2,5.2		¶601565613
NEIC	VIII	18 15 31 40.1–.13	2.65N	128.70E	10	5.8W,5.8W		
ISCJB	VIII	18 15 31 42.6–.32	2.62N–.01	128.73E–.02	41–2	5.4s,5.3b		
MOS	VIII	18 15 31 42.0–1.1	2.65N	128.68E	38	5.7b,5.3s		
BJI	VIII	18 15 31 43.9	2.60N	128.70E	57	5.7b,5.7s		
NEIC	VIII	18 15 31 44.0–.00	2.60N	128.69E	25	5.7b,5.7s		
GCMT	VIII	18 15 31 45.1–.10	2.75N–.01	128.73E–.01	13–0	5.8W,5.7s		
DJA	VIII	18 15 31 45.2–.20	3N–2.0	129E–1.0	50–2	6.2b,5.9		
KLM	VIII	18 15 31 52.0	3.01N	128.73E	117	5.9b,5.9		

ISC Event type fe.
IDC Error ellipse: s-maj=9.4km s-min=6.5km az=68.0.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=70.0. Felt [IV] at Tobelo. Also felt on Pulau Ternate. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.78 $M_{\theta\theta}$3.29 $M_{\phi\phi}$0.49 $M_{r\theta}$2.79 $M_{\theta\phi}$-2.10 $M_{\phi r}$-3.42 Best double couple: NP1:ϕ_s315.00000°,δ69.00000°,λ-76.00000°. NP2: ϕ_s100.00000°,δ25.00000°,λ-123.00000°. Principal axes: T 6.1600,Plg23.0000°,Azm34.0000° ; N -0.2300,Plg13.0000°,Azm130.0000°; P -5.9300,Plg63.0000°,Azm247.0000° M_o6.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s149.00000°,δ31.00000°,λ-73.00000°. NP2:ϕ_s310.00000°,δ60.00000°,λ-100.00000°. Principal axes: T Plg14.0000°,Azm47.0000°; N Plg0.0000°,Azm0.0000°; P Plg73.0000° ,Azm195.0000°

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=160.1.

MOS Error ellipse: s-maj=7.9km s-min=4.3km az=116.7.

NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.75 $M_{\theta\theta}$1.64 $M_{\phi\phi}$2.12 $M_{r\theta}$4.54 $M_{\theta\phi}$-1.90 $M_{\phi r}$-3.01 Best double couple: NP1:ϕ_s306.00000° ,δ73.00000°,λ-97.00000°. NP2:ϕ_s150.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 6.5600,Plg27.0000°,Azm42.0000°; N 0.1300,Plg6.0000°,Azm308.0000° ; P -6.6900,Plg61.0000°,Azm205.0000° M_o6.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c259; s140,c387; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.50±.05 $M_{\theta\theta}$2.95±.04; $M_{\phi\phi}$1.56±.04; $M_{r\theta}$3.94±.14; $M_{\theta\phi}$-2.74±.03; $M_{\phi r}$-2.81±.13; Best double couple: NP1:ϕ_s306.00000°,δ68.00000° ,λ-92.00000°. NP2:ϕ_s130.00000°,δ22.00000°,λ-86.00000°. Principal axes: T 7.0980,Plg23.0000°,Azm37.0000°; N -0.5670,Plg1.0000°,Azm307.0000° ; P -6.5220,Plg67.0000°,Azm213.0000° M_o6.81000×10^{17}

(460) Wyoming

ISC	**VIII**	**18 23 30 15.4–.69**	**43.82N–.05**	**105.30W–.04**	**0**	**4.0b**	**26**	**1-145**
ISCJB	VIII	18 23 30 14.1–.51	43.86N–.04	105.32W–.05	0	4.1b		**¶601766121**
NEIC	VIII	18 23 30 16.0–.63	43.79N	105.29W	0	3.1L		
IDC	VIII	18 23 30 16.4–.84	44.03N	105.70W	0	3.9b,3.8		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=6.3km s-min=4.7km az=169.5.

NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=6.3km az=149.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=23.1km s-min=8.4km az=148.0.

(123) Northern Chile

ISC	**VIII**	**19 00 17 58.4–.68**	**20.41S–.03**	**69.47W–.08**	**84–6**	**4.2b**	**43**	**0-145**
ISCJB	VIII	19 00 17 57.5–.34	20.38S–.03	69.36W–.07	96–3	4.0b		**¶601626431**
GUC	VIII	19 00 17 58.6–.56	20.38S	69.42W	81–3	4.1L		
NEIC	VIII	19 00 17 58.0–.00	20.38S	69.43W	80	4.0L,4.0b		
IDC	VIII	19 00 17 59.0–3.1	20.67S	69.20W	83–26	4.0,3.8		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.0km az=171.8.

GUC Error ellipse: s-maj=1.0km s-min=3.1km az=-1.0.

NEIC Event type fe. Felt [II] at Mamina and Pica. After GUC.

IDC Error ellipse: s-maj=49.8km s-min=21.6km az=101.0.

(706) Northern Sumatera

ISC	**VIII**	**19 01 57 04.2–.39**	**5.00N–.03**	**94.75E–.03**	**48–3**	**5.2b,4.1s**	**927**	**1-171**
BJI	VIII	19 01 56 56.4	4.86N	94.77E	13	5.3b,4.9b		**¶601565879**
KLM	VIII	19 01 56 59.0	4.91N	94.29E	23	5.2b,4.9b		
MOS	VIII	19 01 57 01.5–1.1	5.21N	94.81E	33	5.4b,4.9b		
DJA	VIII	19 01 57 02.0–.30	5N–3.0	95E–3.0	10	5.3b,5.2		
GCMT	VIII	19 01 57 02.6–.30	4.81N–.02	94.65E–.02	44–1	5.0W,5.2		
ISCJB	VIII	19 01 57 03.2–.38	4.96N–.02	94.76E–.02	56–3	5.1b,4.1s		
NEIC	VIII	19 01 57 03.6–.47	5.06N	94.75E	41–4	5.2b,4.1s		
IDC	VIII	19 01 57 05.2–.51	5.08N	94.86E	55–4	5.0,4.8		

ISC Event type fe.

MOS Error ellipse: s-maj=6.9km s-min=3.9km az=117.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c65; s68,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.17 $M_{\theta\theta}$-1.80±.11; $M_{\phi\phi}$-1.57±.13; $M_{r\theta}$1.77±.09; $M_{\theta\phi}$1.51±.08; $M_{\phi r}$-0.90±.10; Best double couple: NP1:ϕ_s125.00000°,δ61.00000°,λ83.00000°. NP2:ϕ_s320.00000°,δ30.00000°,λ103.00000°. Principal axes: T 3.9430,Plg73.0000° ,Azm17.0000°; N -0.2310,Plg6.0000°,Azm129.0000°; P -3.7220,Plg15.0000°,Azm220.0000° M_o3.83200×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=43.0.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=218.0. Felt at Banda Aceh.

IDC Error ellipse: s-maj=11.4km s-min=6.6km az=37.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**19 01 58 31.8–.69**	**38.49N–.02**	**46.65E–.01**	**10–4**	**4.3b,3.1s**	**389**	**0-86**
ISN	VIII	19 01 58 26.6–1.1	38.68N	46.86E	2–52	4.3L,3.1s		**¶601565880**
AZER	VIII	19 01 58 28.2–.01	38.33N	46.49E	14–0	4.4L,3.1s		
NEIC	VIII	19 01 58 29.0–.00	38.42N	46.65E	17	4.3,4.2b		
MOS	VIII	19 01 58 29.4–1.6	38.22N	46.74E	10	4.4b,4.2b		
IDC	VIII	19 01 58 30.1–.75	38.39N	46.60E	0	4.3,4.2b		
TEH	VIII	19 01 58 30.4	38.41N	46.66E	4	4.3L,4.2b		
THR	VIII	19 01 58 30.6–.44	38.43N	46.63E	15–7	4.1L,4.2b		
NNC	VIII	19 01 58 32.5–3.8	38.80N	46.82E	0	4.9b,4.6		
ISCJB	VIII	19 01 58 32.8–.39	38.30N–.02	46.71E–.02	27–3	4.2b,3.1s		

ISC Event type fe.

NEIC Event type fe. Felt at Tabriz. After TEH.

NNC Event type se.

ISCJB Event type fe.

(43) Southern California

ISC	**VIII**	**19 03 43 45.4–.87**	**33.20N–.02**	**115.97W–.02**	**17–7**		**135**	**0-6**
NEIC	VIII	19 03 43 46.3–.00	33.17N	115.98W	8	3.4L		**¶601610722**
ECX	VIII	19 03 43 47.2–.75	33.14N	116.01W	8	3.4L,3.2		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Thermal. Also felt at Palm Desert. After PAS.

ECX Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.

(26) Off coast of Washington

ISC	**VIII**	**19 08 07 33.8–.65**	**47.66N–.03**	**128.73W–.03**	**5–3**	**5.3s,5.1b**	**1485**	**0-152**
ISCJB	VIII	19 08 07 32.9–.39	47.74N–.01	128.66W–.02	4–2	5.3s,5.0b		**¶601565888**
PGC	VIII	19 08 07 32.1–4.5	47.55N	128.78W	5	5.2W,4.5L		
IDC	VIII	19 08 07 32.6–.50	47.70N	128.81W	0	5.1,5.1s		
BJI	VIII	19 08 07 33.5	47.74N	128.95W	8	5.5s,5.2		
MOS	VIII	19 08 07 33.3–.97	47.76N	128.66W	8	5.3s,5.1b		
NEIC	VIII	19 08 07 35.8–.11	47.79N	128.62W	10	5.6W,5.5W		
GCMT	VIII	19 08 07 35.8–.10	47.42N–.01	129.08W–.01	15	5.7W,5.5W		
NEIC	VIII	19 08 07 36.0–.00	47.57N	128.92W	11	5.7W,5.5W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=42.3.

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 277km Wsw of Tofino, Bc Off Coast Of Washington.

IDC Error ellipse: s-maj=16.1km s-min=8.3km az=44.0.

MOS Error ellipse: s-maj=6.3km s-min=3.6km az=116.0.

NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.1km az=46.0. Felt at Auburn, Blaine, Enumclaw, Federal Way, Graham, Oak Harbor, Vancouver and Walla Walla. Also felt at Portland, Oregon and at Victoria, British Columbia. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}0.27 $M_{\theta\theta}$-2.32 $M_{\phi\phi}$2.05 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s306.00000°,δ90.00000°,λ164.00000°. NP2:ϕ_s36.00000° ,δ74.00000°,λ0.00000°. Principal axes: T 2.2400,Plg11.0000°,Azm260.0000° ; N 0.3100,Plg74.0000°,Azm126.0000°; P -2.5500,Plg11.0000°,Azm352.0000° M_o2.40000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c188; s136,c348; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.04 $M_{\theta\theta}$-3.45±.04; $M_{\phi\phi}$3.58±.04; $M_{r\theta}$-1.18±.14; $M_{\theta\phi}$-0.14±.04; $M_{\phi r}$-0.54±.12; Best double couple: NP1:ϕ_s43.00000°,δ83.00000° ,λ-19.00000°. NP2:ϕ_s135.00000°,δ71.00000°,λ-173.00000°. Principal axes: T 3.6560,Plg8.0000°,Azm90.0000°; N 0.1820,Plg70.0000°,Azm204.0000° ; P -3.8380,Plg18.0000°,Azm358.0000° M_o3.74700×10^{17}

NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$-2.64 $M_{\phi\phi}$2.96 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.61 Best double couple: NP1:ϕ_s133.00000° ,δ90.00000°,λ-145.00000°. NP2:ϕ_s43.00000°,δ56.00000°,λ0.00000°. Principal axes: T 3.7100,Plg23.0000°,Azm262.0000°; N -0.5900,Plg55.0000°,Azm133.0000° ; P -3.1200,Plg23.0000°,Azm3.0000° M_o3.50000×10^{17}

(317) Northeastern India

ISC	**VIII**	**19 09 24 49.0–.33**	**26.60N–.03**	**92.54E–.03**	**47–3**	**4.8b,3.9s**	**568**	**0-160**
DMN	VIII	19 09 24 45.6–.60	27.29N	92.91E	10	5.5L,3.9s		**¶601565891**
MOS	VIII	19 09 24 47.0–.86	26.62N	92.59E	43	5.2b,3.9s		
BJI	VIII	19 09 24 48.4	26.61N	92.75E	50	4.9b,4.8b		
IDC	VIII	19 09 24 48.6–.39	26.56N	92.57E	44–4	4.7L,4.6		
ISCJB	VIII	19 09 24 48.0–.24	26.61N–.02	92.55E–.01	53–2	4.8b,3.9s		
NEIC	VIII	19 09 24 49.4–.23	26.60N	92.57E	49–2	4.8b,3.9s		
NDI	VIII	19 09 24 49.5–3.3	26.62N	92.55E	38–7	4.8b,4.8L		

ISC Event type fe.

DMN Event type ke. Error ellipse: s-maj=44.4km s-min=11.0km az=8.0.

MOS Error ellipse: s-maj=8.4km s-min=3.8km az=123.4.

IDC Error ellipse: s-maj=9.0km s-min=7.2km az=84.0.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=178.7.

NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=53.0. Felt [IV] at Guwahati. Also felt at Bokakhat, Dhekiajuli, Dispur, Nagaon, Shillong and Tezpur.

NDI Error ellipse: s-maj=7.3km s-min=4.9km az=-1.0.

(613) Hawaiian Islands

NEIC	**VIII**	**19 10 07 45.9–.00**	**19.31N**	**155.22W**	**9**	**3.7L**		**¶601605980**

NEIC Event type fe. Felt [II] at Hilo, Kea'au and Volcano. Also felt at Kurtistown, Mountain View, Pahoa and Papa'ikou. After HVO.

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**19 11 37 17.6–.98**	**38.46N–.02**	**46.69E–.01**	**6–6**	**4.1b,3.2s**	**275**	**0-80**
ISN	VIII	19 11 37 13.4–1.6	38.37N	46.76E	1–67	4.2L,3.2s		**¶601565897**
AZER	VIII	19 11 37 14.2–1.4	38.35N	46.53E	8	4.1L,3.2s		
IDC	VIII	19 11 37 15.7–.92	38.32N	46.67E	0	4.0,3.9		
MOS	VIII	19 11 37 15.5–1.1	38.19N	46.73E	10	4.3b,3.9		
NEIC	VIII	19 11 37 16.1–.00	38.43N	46.65E	14	4.1b,3.8		
TEH	VIII	19 11 37 16.4	38.40N	46.64E	4	4.0L,3.8		
THR	VIII	19 11 37 17.3–.40	38.51N	46.65E	18–5	3.7L,3.8		
NNC	VIII	19 11 37 18.4–11	38.90N	46.72E	0	4.4b,4.3		
DDA	VIII	19 11 37 26.0	38.41N	45.88E	2	3.4L,4.3		

ISC Event type fe.

ISN Error ellipse: s-maj=65.5km s-min=53.7km az=-1.0.

AZER Error ellipse: s-maj=2.7km s-min=1.2km az=6.0.

IDC Error ellipse: s-maj=18.0km s-min=10.6km az=7.0.

MOS Error ellipse: s-maj=9.4km s-min=5.3km az=118.9.

NEIC Event type fe. Felt at Tabriz. After TEH.

THR Error ellipse: s-maj=3.4km s-min=1.7km az=-1.0.

NNC Event type se. Error ellipse: s-maj=100.4km s-min=50.3km az=59.0.

DDA Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**19 11 40 41.8–.93**	**38.20N–.04**	**141.76E–.08**	**56–7**	**4.0b,3.7s**	**53**	**0-82**
NIED	VIII	19 11 40 00	38.20N	141.70E	41	3.8W,3.7s		**¶601766149**
ISCJB	VIII	19 11 40 39.7–.67	38.16N–.03	141.74E–.08	56–5	3.8b,3.7s		
JMA	VIII	19 11 40 40.8–.10	38.17N	141.69E	51–1	3.7,3.7s		
IDC	VIII	19 11 40 43.3–.98	38.14N	141.63E	72–6	3.9,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ34.00000°,λ72.00000°. NP2:ϕ_s34.00000°,δ57.00000°,λ102.00000°. M_o5.40000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.7km az=18.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=19.1km s-min=13.7km az=85.0.

(71) Near coast of Guatemala

ISC	**VIII**	**19 18 42 58.0–1.1**	**13.68N–.08**	**90.26W–.05**	**78–8**		**68**	**1-41**
ISCJB	VIII	19 18 42 57.9–.53	13.71N–.06	90.24W–.04	85–4			**¶601685252**
NEIC	VIII	19 18 42 58.7–.96	13.62N	90.29W	86–10	4.3,3.9b		
UCR	VIII	19 18 42 59.0–1.4	13.78N	90.19W	76–10	4.1L,4.1		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.4km az=27.4.

NEIC Event type fe. Error ellipse: s-maj=21.7km s-min=6.8km az=209.0. Felt [I] at Ahuachapan, El Salvador.

UCR Error ellipse: s-maj=8.5km s-min=7.7km az=-1.0.

(200) Near north coast of New Guinea

ISC	**VIII**	**19 22 41 50.2–.26**	**4.85S–.03**	**144.65E–.03**	**80–2**	**5.9b**	**1829**	**4-169**
BJI	VIII	19 22 41 43.1	5.12S	145.35E	77	6.0b,5.8		**¶604029703**
MOS	VIII	19 22 41 48.4–1.1	4.69S	144.62E	70	6.1b,5.6s		
ISCJB	VIII	19 22 41 48.9–.48	4.78S–.02	144.62E–.02	77–4	5.8b,5.6s		
NEIC	VIII	19 22 41 49.8–.08	4.77S	144.57E	73	6.3W,6.2		
IDC	VIII	19 22 41 49.1–1.3	4.79S	144.60E	68–11	5.9,5.6		
NEIC	VIII	19 22 41 50.0–.00	4.85S	144.58E	80	5.9,5.6		
DJA	VIII	19 22 41 52.3–.40	5S–3.0	145E–3.0	87–3	6.9,6.3b		
GCMT	VIII	19 22 41 54.8–.10	4.92S	144.60E	80–0	6.2W,6.3b		
CNRM	VIII	19 22 42 05.6	4.28S	146.99E	200	6.2W,6.3b		
NEIC	VIII	19 22 42 07.5–.00	5.02S	144.44E	68	6.2W,6.3b		

ISC Event type fe.

MOS Error ellipse: s-maj=7.1km s-min=4.3km az=111.1.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=24.8.

NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.7km az=99.0. Felt at Goroka, Lae, Madang, Mendi, Mount Hagen, Tari and Wewak. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}1.95 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.67 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.35 Best double couple: NP1:ϕ_s106.00000°,δ66.00000°,λ84.00000°. NP2:ϕ_s299.00000° ,δ25.00000°,λ102.00000°. Principal axes: T 2.6100,Plg69.0000°,Azm5.0000° ; N -0.0900,Plg5.0000°,Azm108.0000°; P -2.5300,Plg21.0000°,Azm200.0000° M_o2.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s295.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s115.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm25.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm205.0000°

IDC Error ellipse: s-maj=8.5km s-min=6.4km az=85.0.

NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{18}Nm; M_{rr}1.91 $M_{\theta\theta}$-1.78 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.99 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s101.00000° ,δ68.00000°,λ87.00000°. NP2:ϕ_s288.00000°,δ22.00000°,λ97.00000°. Principal axes: T 2.7900,Plg66.0000°,Azm5.0000°; N -0.0200,Plg2.0000°,Azm101.0000° ; P -2.7700,Plg23.0000°,Azm192.0000° M_o2.80000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c377; s144,c528; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; M_{rr}2.09±.02 $M_{\theta\theta}$-2.10±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$2.00±.01; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$-0.44±.01; Best double couple: NP1:ϕ_s103.00000°,δ67.00000° ,λ89.00000°. NP2:ϕ_s285.00000°,δ23.00000°,λ92.00000°. Principal axes: T 2.9050,Plg68.0000°,Azm11.0000°; N 0.1520,Plg1.0000°,Azm103.0000° ; P -3.0560,Plg22.0000°,Azm194.0000° M_o2.98100×10^{18}

NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}2.30 $M_{\theta\theta}$-2.26 $M_{\phi\phi}$-0.03 $M_{r\theta}$1.80 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.56 Best double couple: NP1:ϕ_s272.00000° ,δ26.00000°,λ80.00000°. NP2:ϕ_s104.00000°,δ65.00000°,λ95.00000°. Principal axes: T 2.9800,Plg70.0000°,Azm24.0000°; N -0.0100,Plg4.0000°,Azm282.0000° ; P -2.9700,Plg20.0000°,Azm190.0000° M_o3.00000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 00 10 33.5–1.7**	**40.00N–.06**	**142.79E–.08**	**30–11**	**4.0b**	**45**	**1-84**
ISCJB	VIII	20 00 10 33.7–1.0	40.05N–.04	142.79E–.10	47–7	4.6s,3.9b		**¶601667494**
JMA	VIII	20 00 10 33.7–.10	40.07N	142.71E	27–2	3.8,3.9b		
NEIC	VIII	20 00 10 36.2–1.1	40.01N	142.91E	61–7	4.1b,3.9b		
IDC	VIII	20 00 10 36.6–2.6	40.08N	142.84E	60–18	3.9,3.8		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=6.2km az=13.8.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=7.8km az=106.0. Recorded [1 JMA] in Iwate.

IDC Error ellipse: s-maj=27.7km s-min=15.2km az=108.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 11 42 45.7–.47**	**35.88N–.03**	**140.47E–.03**	**54–3**	**5.1b,4.2s**	**1321**	**0-158**
NIED	VIII	20 11 42 00	36.00N	140.50E	53	5.1W,4.2s		**¶601605992**
BJI	VIII	20 11 42 39.7	35.78N	140.71E	42	5.2b,5.1b		
ISCJB	VIII	20 11 42 46.4–.20	35.86N–.02	140.30E–.02	67–1	5.0b,5.1b		
JMA	VIII	20 11 42 46.1–.10	35.92N	140.44E	57–1	5.2,5.1b		
MOS	VIII	20 11 42 47.8–.88	36.21N	140.24E	68	5.6b,5.1b		
IDC	VIII	20 11 42 47.6–.99	35.82N	140.42E	70–8	5.2,5.0		
NEIC	VIII	20 11 42 48.6–.34	35.82N	140.22E	75–3	4.9b,5.0		
GCMT	VIII	20 11 42 48.6–.20	35.87N–.01	140.52E–.02	53–1	5.1W,5.0		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ22.00000°,λ100.00000°. NP2:ϕ_s9.00000°,δ69.00000°,λ86.00000°. M_o4.50000×10^{16}

ISCJB Event type fe.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s12.00000°,δ83.00000°,λ90.00000°. NP2:ϕ_s192.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm282.0000°; N Plg0.0000°,Azm12.0000°; P Plg38.0000° ,Azm102.0000°

NEIC Event type fe. Felt [III] at Chiba, Saitama, Tokyo, Tsuchiura, Yokohama, Yokosuka and Zama. Felt widely in east-central Honshu. Recorded [3 JMA] in Gumma, Ibaraki and Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c96; s103,c171;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.99±.17 $M_{\theta\theta}$-0.51±.12; $M_{\phi\phi}$-4.48±.11; $M_{r\theta}$0.56±.10; $M_{\theta\phi}$-1.14±.08; $M_{\phi r}$3.16±.09; Best double couple: NP1:ϕ_s12.00000°,δ62.00000°,λ88.00000°. NP2:ϕ_s197.00000°,δ28.00000°,λ94.00000°. Principal axes: T 5.9540,Plg73.0000° ,Azm276.0000°; N -0.2110,Plg2.0000°,Azm13.0000°; P -5.7380,Plg17.0000°,Azm104.0000° M_o5.84600×10^{16}

(228) Near east coast of eastern Honshu

JMA	**VIII**	**20 12 02 25.3–.10**	**35.94N**	**140.82E**	**26–1**	**3.6**		**¶606016013**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(99) Northern Colombia

ISC	**VIII**	**20 13 00 30.4–.60**	**6.83N–.04**	**73.14W–.04**	**153–5**	**4.1b**	**245**	**0-154**
ISCJB	VIII	20 13 00 29.8–.23	6.83N–.03	73.14W–.04	157–2	4.0b		**¶601605993**
IDC	VIII	20 13 00 29.7–.67	6.82N	73.05W	153–8	4.1,3.9		
NEIC	VIII	20 13 00 30.9–.50	6.76N	73.15W	156–5	4.1b,3.9		
RSNC	VIII	20 13 00 31.7–.95	6.81N	73.15W	147–4	4.3W,4.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.8km az=32.7.
IDC Error ellipse: s-maj=22.5km s-min=7.5km az=130.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=8.3km az=137.0. Felt at Tunja.
RSNC Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 14 09 31.8–1.2**	**38.81N–.05**	**142.24E–.09**	**37–2**	**3.7b**	**31**	**1-78**
NIED	VIII	20 14 09 00	38.90N	142.10E	41	3.6W		**¶606016063**
ISCJB	VIII	20 14 09 31.5–.94	38.85N–.05	142.16E–.10	51–7	3.8b,3.1s		
JMA	VIII	20 14 09 33.1–.10	38.86N	142.05E	46–1	3.8,3.1s		
IDC	VIII	20 14 09 33.6–2.1	38.88N	142.19E	56–18	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ15.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ75.00000°,λ90.00000°. M_o2.92000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=5.8km az=22.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=11.3km az=106.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 16 42 51.3–.47**	**36.96N–.03**	**141.50E–.03**	**27–2**	**5.1b,4.6s**	**1103**	**1-161**
NIED	VIII	20 16 42 00	36.90N	141.40E	11	5.0W,4.6s		**¶601605996**
BJI	VIII	20 16 42 49.8	36.91N	141.38E	32	5.0b,5.0b		
JMA	VIII	20 16 42 50.2–.10	36.91N	141.45E	46–2	5.1,5.0b		
IDC	VIII	20 16 42 51.8–3.4	36.94N	141.39E	27–22	4.9,4.8		
MOS	VIII	20 16 42 51.5–.89	37.14N	141.32E	30	5.3b,4.5s		
ISCJB	VIII	20 16 42 51.8–.31	36.96N–.02	141.36E–.02	38–2	5.0b,4.5s		
GCMT	VIII	20 16 42 54.0–.20	36.94N–.02	141.52E–.02	26–0	5.1W,4.5s		
NEIC	VIII	20 16 42 55.0–.34	36.93N	141.32E	56–3	5.1b,4.5s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ22.00000°,λ-90.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ-90.00000°. M_o3.59000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=10.9km s-min=8.6km az=108.0.
MOS Error ellipse: s-maj=5.8km s-min=3.9km az=109.3.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=143.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c88; s97,c167;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.64±.16 $M_{\theta\theta}$0.10±.10; $M_{\phi\phi}$4.54±.10; $M_{r\theta}$-0.69±.22; $M_{\theta\phi}$1.12±.07; $M_{\phi r}$-2.71±.17; Best double couple: NP1:ϕ_s14.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s193.00000°,δ30.00000°,λ-91.00000°. Principal axes: T 5.5720,Plg15.0000° ,Azm103.0000°; N -0.1640,Plg0.0000°,Azm194.0000°; P -5.4050,Plg75.0000° ,Azm285.0000° M_o5.48800×10^{16}
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=144.0. Felt [IV] at Iwaki and [III] at Sendai. Felt in much of east-central Honshu. Recorded [3 JMA] in Fukushima, Miyagi and Yamagata.

(236) Shikoku

ISC	**VIII**	**20 17 22 15.5–.85**	**33.26N–.05**	**132.16E–.04**	**47–8**	**3.4b**	**28**	**0-83**
NIED	VIII	20 17 22 00	33.30N	132.20E	47	3.8W		**¶601766207**
ISCJB	VIII	20 17 22 14.5–.44	33.26N–.04	132.16E–.04	57–4	3.4b,2.8s		
JMA	VIII	20 17 22 15.6	33.27N	132.15E	46	3.8,2.8s		
IDC	VIII	20 17 22 15.3–1.1	33.31N	132.15E	48–13	3.8L,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ50.00000°,λ-124.00000°. NP2:ϕ_s69.00000°,δ51.00000°,λ-56.00000°. M_o6.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.5km az=158.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s198.00000°,δ62.00000°,λ-124.00000°. NP2:ϕ_s74.00000°,δ43.00000°,λ-43.00000°. Principal axes: T Plg11.0000°,Azm312.0000°; N Plg30.0000°,Azm216.0000°; P Plg58.0000° ,Azm60.0000°
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=152.0.

(460) Wyoming

ISC	**VIII**	**20 18 06 44.7–.72**	**43.86N–.07**	**105.28W–.06**	**0**	**4.0b**	**26**	**1-89**
ISCJB	VIII	20 18 06 43.1–.42	43.87N–.04	105.23W–.06	0	4.1b		**¶601766209**
NEIC	VIII	20 18 06 44.8–.36	43.86N	105.23W	0	3.4L		
IDC	VIII	20 18 06 44.5–.91	43.82N	105.51W	0	4.0b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=6.2km az=41.8.
NEIC Event type fm. Error ellipse: s-maj=6.0km s-min=5.3km az=125.0. 53 km [33 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.8km s-min=7.4km az=148.0.

(274) Southern Sumatera

ISC	**VIII**	**21 03 09 39.2–.31**	**4.80S–.03**	**102.97E–.03**	**69–2**	**5.5b**	**1751**	**0-177**
MOS	VIII	21 03 09 36.0–.99	4.63S	103.04E	47	5.8b		**¶601589478**
DJA	VIII	21 03 09 37.7–.20	5S–2.0	103E–1.0	58–2	5.7,5.6		
IDC	VIII	21 03 09 38.5–.51	4.75S	103.05E	59–4	5.4,5.1		
BJI	VIII	21 03 09 38.3	4.80S	103.00E	77	5.7b,5.1b		
ISCJB	VIII	21 03 09 38.4–.28	4.76S–.02	103.01E–.02	71–2	5.4b,5.1b		
NEIC	VIII	21 03 09 39.4–.39	4.75S	103.00E	66–3	5.5b,5.1b		
GCMT	VIII	21 03 09 39.4–.20	5.08S–.01	102.72E–.01	52–1	5.2W,5.1b		
KLM	VIII	21 03 09 39.0	5.05S	102.86E	77	5.5b,5.1b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=114.2.
IDC Error ellipse: s-maj=8.6km s-min=6.6km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=42.6.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=221.0. Felt [III] at Bengkulu and Lubuklinggau.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c126; s88,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.28±.16 $M_{\theta\theta}$-3.31±.12; $M_{\phi\phi}$-1.97±.15; $M_{r\theta}$3.50±.12; $M_{\theta\phi}$3.54±.10; $M_{\phi r}$-1.37±.13; Best double couple: NP1:ϕ_s119.00000°,δ62.00000°,λ78.00000°. NP2:ϕ_s323.00000°,δ30.00000°,λ111.00000°. Principal axes: T 6.5270,Plg71.0000° ,Azm2.0000°; N 0.7450,Plg10.0000°,Azm124.0000°; P -7.2720,Plg16.0000°,Azm217.0000° M_o6.89900×10^{16}

(107) Ecuador

ISC	**VIII**	**21 07 07 45.7–.85**	**0.01S–.02**	**78.31W–.02**	**12–6**	**3.6b**	**97**	**0-142**
IGQ	VIII	21 07 07 45.0–.32	0S–1.0	78W–1.0	7–3	3.5,3.5		**¶601610726**
ISCJB	VIII	21 07 07 45.5–.28	0.02S–.02	78.30W–.02	5–3	3.7b,3.5		
NEIC	VIII	21 07 07 46.0–1.7	0.07S	78.56W	10	3.9,3.9b		
IDC	VIII	21 07 07 53.5–3.3	0.06S	78.25W	78–36	3.6,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=14.2.
NEIC Event type fe. Error ellipse: s-maj=35.8km s-min=10.6km az=85.0. Felt at Otavalo and Quito.
IDC Error ellipse: s-maj=53.0km s-min=24.6km az=88.0.

(74) Near coast of Nicaragua

ISC	**VIII**	**21 15 17 41.0–.48**	**11.68N–.05**	**86.24W–.04**	**141–3**	**4.8b**	**778**	**0-151**
ISCJB	VIII	21 15 17 39.8–.30	11.62N–.03	86.26W–.02	147–1	4.7b		**¶601606010**
NEIC	VIII	21 15 17 41.6–.24	11.69N	86.22W	142	4.8b		
IDC	VIII	21 15 17 41.5–.49	11.84N	85.93W	141–4	4.4,4.2		
UCR	VIII	21 15 17 42.2–1.7	11.74N	86.29W	127–7	4.8b,4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.0km az=17.2.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=210.0. Felt at Carlos Fonseca Amador.
IDC Error ellipse: s-maj=16.6km s-min=6.7km az=62.0.
UCR Error ellipse: s-maj=8.3km s-min=4.8km az=-1.0.

(94) Caribbean Sea

ISC	**VIII**	**21 16 40 53.7–.49**	**11.84N–.04**	**66.47W–.04**	**54–4**	**4.7b,3.4s**	**529**	**2-167**
ISCJB	VIII	21 16 40 51.2–.32	11.80N–.02	66.42W–.02	45–3	4.7b,3.4s		**¶601606012**
NEIC	VIII	21 16 40 54.7–.18	11.81N	66.43W	62	4.7b,4.5W		
BJI	VIII	21 16 40 54.1	11.80N	66.40W	51	4.7b,4.5W		
TRN	VIII	21 16 40 55.4	12.16N	66.19W	3	4.8,4.5W		
IDC	VIII	21 16 40 55.2–.47	11.75N	66.48W	64–4	4.4,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=154.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=83.0. Felt [III] at Caracas and Chacao. Also felt at Baruta, Caraballeda, Catia La Mar, El Hatillo, La Dolorita, La Guaira, Maiquetia and San Antonio de los Altos.
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=48.0.

(224) Hokkaido region

ISC	**VIII**	**21 18 44 59.4–.58**	**42.93N–.06**	**145.50E–.04**	**44**	**3.8b**	**81**	**0-84**
NIED	VIII	21 18 44 00	42.90N	145.50E	44	4.1W		**¶601766268**
MOS	VIII	21 18 44 57.8–1.4	42.83N	145.49E	50	4.2b		
ISCJB	VIII	21 18 44 57.6–.41	42.86N–.03	145.52E–.05	44	3.8b		
JMA	VIII	21 18 44 58.8–.10	42.90N	145.48E	44–1	3.8		
SKHL	VIII	21 18 44 59.8–.50	42.96N	145.56E	63–7	4.3b		
IDC	VIII	21 18 44 59.6–2.3	42.88N	145.44E	44–21	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ34.00000°,λ101.00000°. NP2:ϕ_s35.00000°,δ56.00000°,λ83.00000°. M_o1.82000×10^{15}
MOS Error ellipse: s-maj=11.5km s-min=6.8km az=85.4.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=38.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=15.4km az=129.0.

(227) Eastern Honshu

ISC	**VIII**	**21 21 08 40.4–.92**	**37.74N–.03**	**140.04E–.03**	**14–7**	**3.4b**	**26**	**0-58**
IDC	VIII	21 21 08 38.5–1.3	37.67N	140.24E	0	3.6,3.3		**¶601766274**
ISCJB	VIII	21 21 08 40.8–.47	37.77N–.02	140.02E–.03	11–4	3.4b,3.3		
JMA	VIII	21 21 08 41.1	37.77N	140.01E	8–1	3.1,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=15.8km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=34.3.
JMA Event type fe.

(221) Kuril Islands

ISC	**VIII**	**21 21 29 39.6–.82**	**44.40N–.05**	**148.15E–.05**	**57–6**	**4.4b,3.5s**	**348**	**1-151**
NIED	VIII	21 21 29 00	44.10N	148.00E	50	4.3W,3.5s		**¶601606019**
BJI	VIII	21 21 29 37.9	44.37N	148.52E	79	4.8b,4.7b		
JMA	VIII	21 21 29 38.4–.30	44.11N	148.00E	0	4.7,4.7b		
MOS	VIII	21 21 29 38.6–.92	44.41N	148.18E	65	4.7b,4.7b		
ISCJB	VIII	21 21 29 39.1–.43	44.43N–.03	148.14E–.04	65–3	4.4b,4.7b		
SKHL	VIII	21 21 29 40.4–.10	44.39N	148.13E	72–7	5.1b,4.7b		
NEIC	VIII	21 21 29 41.3–.51	44.46N	148.07E	71–4	4.5b,4.7b		
IDC	VIII	21 21 29 41.2–1.9	44.52N	148.07E	71–16	4.3,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ15.00000°,λ108.00000°. NP2:ϕ_s33.00000°,δ76.00000°,λ85.00000°. M_o3.70000×10^{15}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=6.3km az=59.4. Felt (II-III) at Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.3km az=141.8.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.2km az=153.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=12.8km s-min=9.3km az=151.0.

(224) Hokkaido region

ISC	**VIII**	**22 01 33 04.9–.28**	**42.35N–.03**	**143.04E–.03**	**57–2**	**5.0b,4.4s**	**1509**	**0-157**
NIED	VIII	22 01 33 00	42.30N	143.10E	59	5.2W,4.4s		**¶601614635**
BJI	VIII	22 01 33 01.9	42.29N	143.12E	58	5.2b,5.1b		
MOS	VIII	22 01 33 04.2–.90	42.37N	142.90E	61	5.4b,4.6s		
ISCJB	VIII	22 01 33 04.4–.21	42.38N–.02	142.92E–.02	63–1	5.0b,4.6s		
JMA	VIII	22 01 33 05.7–.10	42.35N	143.05E	53–1	5.2,4.6s		
NEIC	VIII	22 01 33 06.0–.32	42.40N	142.86E	62–3	5.0b,4.6s		
IDC	VIII	22 01 33 06.0–1.5	42.38N	142.97E	66–12	4.9,4.7		
GCMT	VIII	22 01 33 06.0–.10	42.27N–.01	143.06E–.01	59–0	5.2W,4.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ29.00000°,λ115.00000°. NP2:ϕ_s27.00000°,δ64.00000°,λ77.00000°. M_o7.49000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s24.00000°,δ61.00000°,λ64.00000°. NP2:ϕ_s250.00000°,δ38.00000°,λ128.00000°. Principal axes: T Plg64.0000°,Azm249.0000°; N Plg23.0000°,Azm38.0000°; P Plg12.0000° ,Azm133.0000°
NEIC Event type fe. Felt [IV] at Obihiro and [III] at Sapporo. Also felt at Kitami and Tomakomai. Felt at Aomori and Hachinohe, Honshu. Recorded [4 JMA] in south-central Hokkaido.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c145; s117,c204;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.28±.01; $M_{\phi\phi}$-0.38±.01; $M_{r\theta}$0.13±.01; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.42±.01; Best double couple: NP1:ϕ_s28.00000°,δ61.00000°,λ77.00000°. NP2:ϕ_s234.00000°,δ31.00000°,λ113.00000°. Principal axes: T 0.8150,Plg71.0000° ,Azm269.0000°; N 0.0270,Plg12.0000°,Azm35.0000°; P -0.8420,Plg15.0000°,Azm128.0000° M_o0.82900×10^{17}

(344) Iran-Armenia-Azerbaijan border region

ISC	**VIII**	**22 05 28 35.6–1.0**	**38.49N–.02**	**46.71E–.02**	**5–7**	**4.2b**	**298**	**0-58**
ISN	VIII	22 05 28 32.8–1.2	38.51N	46.72E	0–52	4.3L		**¶601610523**
AZER	VIII	22 05 28 32.2–16	38.20N	46.51E	44–1	4.7L		
BJI	VIII	22 05 28 33.5	37.90N	46.50E	10	4.7b,4.7s		
TEH	VIII	22 05 28 34.9	38.44N	46.72E	4	4.2L,4.7s		
THR	VIII	22 05 28 34.8–.34	38.46N	46.70E	14–5	4.3L,4.7s		
IDC	VIII	22 05 28 35.4–1.1	38.62N	46.84E	0	4.0,3.9		
NEIC	VIII	22 05 28 37.4–.49	38.65N	46.87E	10	4.1L,4.0b		
MOS	VIII	22 05 28 38.7–1.7	38.49N	46.75E	33	4.3b,4.0b		
DDA	VIII	22 05 28 42.6	38.51N	45.93E	14	4.1L,4.0b		
NNC	VIII	22 05 28 44.5–5.9	39.19N	47.17E	0	4.5,4.4b		

ISC Event type fe.
ISN Error ellipse: s-maj=51.7km s-min=40.4km az=-1.0.
AZER Error ellipse: s-maj=5.0km s-min=1.3km az=7.0.
THR Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=11.2km az=177.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.5km az=184.0. Felt at Tabriz.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=119.6.
DDA Event type ke.
NNC Event type se. Error ellipse: s-maj=80.3km s-min=43.9km az=76.0.

(713) Central Kazakhstan

ISC	**VIII**	**22 07 57 39.0–.44**	**41.36N–.04**	**68.07E–.03**	**10**	**4.0b,3.1s**	**127**	**1-89**
BJI	VIII	22 07 57 34.0	41.30N	67.80E	15	4.2b,4.1L		**¶601614642**
ISCJB	VIII	22 07 57 36.7–.31	41.29N–.04	67.93E–.03	10	3.9b,3.1s		
IDC	VIII	22 07 57 37.3–.63	41.11N	68.08E	0	4.1,3.9		
NNC	VIII	22 07 57 38.5–1.9	41.42N	67.94E	0	4.2b,3.9		
NEIC	VIII	22 07 57 38.9–.40	41.25N	68.06E	10	4.2b,3.9		
MOS	VIII	22 07 57 40.5–1.8	41.34N	68.05E	39	4.2b,3.9		
SOME	VIII	22 07 57 40.9	41.40N	68.05E	0	2.7s,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=170.4.
IDC Error ellipse: s-maj=12.3km s-min=8.5km az=174.0.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=12.6km az=26.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.9km az=166.0. Felt at Tashkent, Uzbekistan.
MOS Error ellipse: s-maj=7.7km s-min=5.7km az=79.5.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**22 08 49 51.2–1.2**	**38.87N–.05**	**141.68E–.09**	**60–7**	**3.4b**	**22**	**0-59**
IDC	VIII	22 08 49 40.1–2.8	39.16N	142.52E	0	3.5,3.5b		**¶601766292**
ISCJB	VIII	22 08 49 50.3–.81	38.86N–.04	141.68E–.09	67–5	3.4b,3.5b		
JMA	VIII	22 08 49 51.4	38.87N	141.64E	62–1	3.3,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=70.8km s-min=31.4km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.8km az=15.1.

JMA Event type fe.

(251) Samar

ISC	**VIII**	**22 10 13 42.8–1.1**	**11.78N–.03**	**125.86E–.04**	**4–7**	**4.8b,3.4s**	**151**	**0-166**
IDC	VIII	22 10 13 42.1–.45	11.64N	125.76E	0	4.8L,4.5		**¶601610558**
ISCJB	VIII	22 10 13 43.0–.22	11.83N–.02	125.87E–.03	10	4.7b,3.5s		
MAN	VIII	22 10 13 46.7	11.74N	125.72E	11	5.4b,4.6s		
NEIC	VIII	22 10 13 47.0–1.9	11.67N	125.73E	31–13	4.7b,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=11.3km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=28.5.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=71.0. Felt [IV PIVS] at Borongan, Maydolong, Sulat and Taft; [III PIVS] at Can-Avid, Llorente and Oras; [II PIVS] at Guiuan. Also felt [II PIVS] at Palo and Tacloban, Leyte.

(207) Eastern New Guinea region

ISC	**VIII**	**22 11 38 18.0–.21**	**6.06S–.03**	**147.31E–.04**	**77**	**5.3b**	**550**	**3-154**
MOS	VIII	22 11 38 11.9–.91	5.87S	147.19E	33	5.2b		**¶601610563**
BJI	VIII	22 11 38 14.5	6.11S	147.95E	86	5.0b,5.0b		
ISCJB	VIII	22 11 38 16.7–.12	6.03S–.02	147.28E–.02	77	5.2b,5.0b		
IDC	VIII	22 11 38 18.1–.90	5.97S	147.27E	77–7	5.1,4.8		
NEIC	VIII	22 11 38 19.6–.45	6.05S	147.25E	91–4	5.3b,4.8		
DJA	VIII	22 11 38 20.1–.50	6S–3.0	147E–4.0	87–4	6.3,5.8b		
GCMT	VIII	22 11 38 21.6–.10	6.17S–.01	147.28E–.01	93–1	5.3W,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Goroka, Kainantu and Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c142; s105,c193;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$0.41±.02; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$-0.87±.01; $M_{\theta\phi}$0.10±.02; $M_{\theta r}$0.56±.02; Best double couple: NP1:ϕ_s122.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s220.00000°,δ20.00000°,λ-171.00000°. Principal axes: T 1.1110,Plg39.0000° ,Azm194.0000°; N -0.0130,Plg19.0000°,Azm301.0000°; P -1.0980,Plg45.0000° ,Azm52.0000° $M_0$1.10500×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**22 15 16 17.0–1.0**	**36.83N–.04**	**141.21E–.07**	**40–11**	**3.5b**	**38**	**0-75**
NIED	VIII	22 15 16 00	36.90N	141.10E	41	3.6W		**¶606017115**
ISCJB	VIII	22 15 16 16.0–.59	36.84N–.03	141.19E–.06	50–5	3.5b		
JMA	VIII	22 15 16 17.6–.10	36.86N	141.06E	51–1	3.8		
IDC	VIII	22 15 16 17.7–1.5	36.82N	141.21E	48–16	3.8L,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ18.00000°,λ-67.00000°. NP2:ϕ_s189.00000°,δ73.00000°,λ-97.00000°. $M_0$3.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.0km az=13.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=10.8km az=88.0.

(460) Wyoming

ISC	**VIII**	**22 21 07 40.6–.77**	**43.80N–.04**	**105.19W–.03**	**0**		**37**	**1-20**
ISCJB	VIII	22 21 07 40.1–.49	43.79N–.03	105.21W–.06	0			**¶601766324**
IDC	VIII	22 21 07 40.1–1.9	43.74N	105.38W	0	3.5,3.2		
NEIC	VIII	22 21 07 41.5–.39	43.82N	105.26W	0	2.8,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.8km az=2.9.
IDC Error ellipse: s-maj=49.3km s-min=8.8km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=6.4km s-min=5.0km az=178.0. 56 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(196) Irian Jaya region

ISC	**VIII**	**23 04 02 17.1–.52**	**4.64S–.05**	**136.77E–.04**	**35**	**4.5b,3.6s**	**59**	**2-148**
ISCJB	VIII	23 04 02 14.6–.30	4.57S–.03	136.81E–.03	33	4.4b,3.6s		**¶601614674**
DJA	VIII	23 04 02 16.9–2.2	4S–4.0	137E–3.0	27–22	5.1b,4.6b		
NEIC	VIII	23 04 02 17.4–.30	4.49S	136.80E	35	4.5b,4.6b		
IDC	VIII	23 04 02 17.1–4.5	4.44S	136.78E	33–35	4.2,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=14.8.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.9km az=90.0. Felt [II] at Timika.
IDC Error ellipse: s-maj=23.2km s-min=16.9km az=71.0.

(221) Kuril Islands

ISC	**VIII**	**23 11 04 48.1–.47**	**43.57N–.04**	**147.10E–.04**	**56–3**	**4.4b,3.5s**	**384**	**0-152**
NIED	VIII	23 11 04 00	43.40N	147.00E	56	4.3W,3.5s		**¶601614683**
ISCJB	VIII	23 11 04 47.5–.39	43.53N–.03	147.09E–.03	64–3	4.5b,3.5s		
BJI	VIII	23 11 04 47.7	43.57N	147.00E	59	5.0b,4.6b		
MOS	VIII	23 11 04 47.2–.82	43.56N	147.14E	62	4.9b,4.6b		
SKHL	VIII	23 11 04 48.9–.10	43.57N	147.11E	68–1	5.6b,3.9s		
IDC	VIII	23 11 04 48.2–.73	43.55N	147.14E	57–6	4.4,4.3		
JMA	VIII	23 11 04 48.1–.20	43.38N	147.05E	51–4	4.2,4.3		
NEIC	VIII	23 11 04 48.9–.40	43.56N	147.10E	61–3	4.4b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ42.00000°,λ38.00000°. NP2:ϕ_s59.00000°,δ65.00000°,λ126.00000°. $M_0$3.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.2km az=155.0.
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=5.1km az=111.8. Felt (III-IV) at Malokuril'skoye; (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt(II-III)at Yushno-Kurilsk;(III-IV) at Malokurilskoe.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=162.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.6km az=164.0. Recorded [2 JMA] in eastern Hokkaido.

(310) Nepal

ISC	**VIII**	**23 16 30 21.1–.62**	**28.42N–.03**	**82.68E–.03**	**24–4**	**4.9b,4.3s**	**688**	**0-151**
ISCJB	VIII	23 16 30 18.3–.51	28.49N–.02	82.66E–.02	15–3	4.9b,4.3s		**¶601614687**
NDI	VIII	23 16 30 20.9–2.8	28.35N	82.65E	15–9	5.0b,5.0L		
NEIC	VIII	23 16 30 21.8–1.7	28.47N	82.69E	28–12	5.0b,5.0L		
IDC	VIII	23 16 30 21.3–2.2	28.42N	82.73E	22–13	4.7,4.7		
MOS	VIII	23 16 30 21.2–1.0	28.43N	82.73E	34	5.1b,4.2s		
GCMT	VIII	23 16 30 22.8–.30	28.05N–.02	82.65E–.02	29–1	5.0W,4.2s		
BJI	VIII	23 16 30 23.6	28.75N	82.91E	36	5.0b,5.0s		
DMN	VIII	23 16 30 23.5–.57	28.40N	82.83E	2	5.7L,5.0s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=25.8.
NDI Error ellipse: s-maj=6.1km s-min=4.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=213.0. Felt [III] at Kathmandu. Also felt at Bharatpur, Birendranagar, Lalitpur, Nepalganj, Panaoti and Patan.
IDC Error ellipse: s-maj=13.9km s-min=10.4km az=30.0.
MOS Error ellipse: s-maj=5.8km s-min=3.8km az=122.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s68,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.23±.16 $M_{\theta\theta}$-1.83±.10; $M_{\phi\phi}$-0.40±.09; $M_{r\theta}$2.45±.18; $M_{\theta\phi}$1.20±.07; $M_{\theta r}$-1.01±.14; Best double couple: NP1:ϕ_s114.00000°,δ69.00000°,λ85.00000°. NP2:ϕ_s307.00000°,δ21.00000°,λ102.00000°. Principal axes: T 3.4290,Plg66.0000° ,Azm16.0000°; N 0.2560,Plg4.0000°,Azm116.0000°; P -3.6860,Plg24.0000°,Azm207.0000° $M_0$3.55700×10^{16}
DMN Event type ke. Error ellipse: s-maj=10.4km s-min=8.3km az=97.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**23 17 10 02.6–1.6**	**37.64N–.05**	**141.8E–.10**	**49–13**	**4.0b,3.5s**	**50**	**1-146**
NIED	VIII	23 17 10 00	37.60N	141.80E	53	4.1W,3.5s		**¶601735785**
ISCJB	VIII	23 17 10 01.2–.80	37.64N–.04	141.81E–.08	55–6	4.1b,3.4s		
JMA	VIII	23 17 10 02.5	37.65N	141.73E	48–1	4.2,3.4s		
NEIC	VIII	23 17 10 03.4–1.1	37.69N	141.77E	58–8	4.9b,3.4s		
IDC	VIII	23 17 10 04.0–2.7	37.54N	141.57E	64–24	4.1L,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ42.00000°,λ115.00000°. NP2:ϕ_s305.00000°,δ53.00000°,λ70.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=19.9.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=14.0km s-min=8.0km az=127.0. Recorded [2 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=24.2km s-min=12.6km az=76.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**23 18 40 51.7–1.3**	**40.20N–.04**	**142.34E–.09**	**42–11**	**4.0b,3.2s**	**44**	**0-82**
NIED	VIII	23 18 40 00	40.20N	142.30E	44	4.0W,3.2s		**¶601735788**
ISCJB	VIII	23 18 40 51.1–.63	40.22N–.03	142.33E–.07	53–5	4.0b,3.3s		
JMA	VIII	23 18 40 51.7–.10	40.21N	142.32E	39–1	4.1,3.3s		
IDC	VIII	23 18 40 52.2–2.2	40.17N	142.19E	47–21	4.0,3.8L		
NEIC	VIII	23 18 40 53.6–.86	40.24N	142.40E	64–7	4.3b,3.8L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ22.00000°,λ16.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ111.00000°. $M_0$1.05000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.8km az=7.9.
JMA Event type fe.
IDC Error ellipse: s-maj=28.8km s-min=15.6km az=94.0.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=7.4km az=115.0. Recorded [1 JMA] in Aomori and Iwate.

(227) Eastern Honshu

ISC	**VIII**	**24 01 22 42.8–.98**	**36.15N–.04**	**139.80E–.05**	**58–8**	**3.6b**	**25**	**0-56**
ISCJB	VIII	24 01 22 41.9–.60	36.13N–.04	139.85E–.07	65–5	3.5b		**¶601766376**
IDC	VIII	24 01 22 41.6–1.1	35.38N	137.80E	0	4.0L,3.7		
JMA	VIII	24 01 22 43.6–.10	36.14N	139.82E	51–1	3.4,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.2km az=179.4.
IDC Error ellipse: s-maj=31.7km s-min=18.4km az=68.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ79.00000°,λ82.00000°. NP2: ϕ_s242.00000°,δ13.00000°,λ125.00000°. Principal axes: T Plg55.0000°,Azm286.0000° ; N Plg8.0000°,Azm27.0000°; P Plg34.0000°,Azm122.0000°

(362) Western Caucasus

ISC	**VIII**	**24 04 14 05.0–.90**	**43.89N–.03**	**44.44E–.02**	**15–6**		**97**	**0-22**
ISCJB	VIII	24 04 14 03.0–.49	43.98N–.02	44.47E–.03	5–3			**¶602952369**
MOS	VIII	24 04 14 03.1–.00	43.91N	44.46E	15–0	4.1		
MOS	VIII	24 04 14 04.3–.62	43.89N	44.45E	11	4.0b		
TIF	VIII	24 04 14 04.0	43.90N	44.47E	21–2	4.0b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=30.6.
MOS Event type se. FELT I=III MSK at Mosdok.
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=4.9km az=88.3. Felt (III) at Mozdok. Moment Tensor Solution.

(136) Central Chile

ISC	**VIII**	**24 05 52 21.0–.59**	**28.35S–.04**	**70.85W–.09**	**52–5**	**4.2b**	**62**	**0-152**
GUC	VIII	24 05 52 19.8–.66	28.44S	70.47W	46–14	4.2L		**¶601626438**
NEIC	VIII	24 05 52 19.0–.00	28.43S	70.52W	50	4.4b,4.3L		
ISCJB	VIII	24 05 52 20.0–.50	28.32S–.03	70.93W–.09	55–5	4.1b,4.3L		
SJA	VIII	24 05 52 20.8–.44	28.44S	71.01W	34–3	4.2W,4.0L		
IDC	VIII	24 05 52 20.9–.68	28.44S	70.81W	54–5	3.8,3.8		

ISC Event type fe.
GUC Error ellipse: s-maj=5.1km s-min=22.9km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.9km az=4.6.
SJA Error ellipse: s-maj=5.0km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=16.4km az=72.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**24 06 49 55.7–2.0**	**38.72N–.06**	**142.47E–.08**	**31–13**	**3.8b**	**31**	**1-76**
NIED	VIII	24 06 49 00	38.70N	142.40E	56	3.8W		**¶601766389**
ISCJB	VIII	24 06 49 55.6–1.1	38.69N–.05	142.45E–.10	48–10	3.8b		
JMA	VIII	24 06 49 56.1–.10	38.72N	142.41E	39–1	3.9		
IDC	VIII	24 06 49 58.6–2.7	38.63N	142.43E	62–24	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ39.00000°,λ94.00000°. NP2:ϕ_s150.00000°,δ52.00000°,λ87.00000°. $M_0$5.73000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.0km s-min=7.1km az=19.4.
JMA Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=14.2km az=112.0.

(76) Off coast of central America

ISC	**VIII**	**24 07 55 23.7–.76**	**12.64N–.09**	**88.40W–.06**	**50**	**4.1b**	**179**	**1-138**
NEIC	VIII	24 07 55 28.0–.48	12.82N	88.23W	84–4	4.1,4.1b		**¶601615623**
IDC	VIII	24 07 55 28.0–2.1	12.97N	88.13W	87–20	4.4s,4.3		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=4.7km az=207.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=43.5km s-min=19.0km az=36.0.

(230) Near south coast of eastern Honshu

ISC	**VIII**	**24 11 01 43.9–.82**	**34.44N–.02**	**139.33E–.04**	**15–5**		**28**	**0-58**
IDC	VIII	24 11 01 42.8–1.7	34.33N	139.31E	0	3.6L,3.5		**¶601766397**
ISCJB	VIII	24 11 01 43.9–.51	34.44N–.02	139.32E–.05	14–3	3.2b,3.5		
JMA	VIII	24 11 01 44.0	34.45N	139.32E	14	3.3,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=48.6km s-min=17.3km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.6km az=174.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s310.00000°,δ85.00000°,λ-158.00000°. NP2:ϕ_s218.00000°,δ69.00000°,λ-6.00000°. Principal axes: T Plg11.0000°,Azm82.0000°; N Plg68.0000°,Azm324.0000°; P Plg19.0000° ,Azm176.0000°

(1) Central Alaska

ISC	**VIII**	**24 21 58 08.9–.66**	**63.94N–.02**	**148.40W–.03**	**10**	**3.8b**	**83**	**0-73**
ISCJB	VIII	24 21 58 08.8–.24	63.96N–.02	148.41W–.05	10	3.7b,3.0s		**¶601643019**
NEIC	VIII	24 21 58 09.4–.00	63.93N	148.41W	12	3.8W,3.7L		
IDC	VIII	24 21 58 12.9–1.9	64.10N	148.14W	27–13	3.8,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.7km az=6.1.
NEIC Event type fe. Felt [III] at Healy and [II] at Fairbanks. Also felt at Cantwell, Denali National Park and Nenana. After AEIC. Moment Tensor Solution. s46 Moment tensor: Scale 10^{14}Nm; M_{rr}4.20 $M_{\theta\theta}$-2.92 $M_{\phi\phi}$-1.28 $M_{r\theta}$4.58 $M_{\theta\phi}$-2.29 $M_{\theta r}$0.35 Best double couple: NP1:ϕ_s216.00000° ,δ26.00000°,λ54.00000°. NP2:ϕ_s76.00000°,δ69.00000°,λ107.00000°. Principal axes: T 6.5100,Plg62.0000°,Azm12.0000°; N -0.3400,Plg15.0000°,Azm250.0000° ; P -6.1700,Plg22.0000°,Azm153.0000° $M_0$6.30000×10^{14}
IDC Error ellipse: s-maj=27.4km s-min=12.8km az=114.0.

(134) Off coast of central Chile

ISC	**VIII**	**24 22 30 03.1–.75**	**33.45S–.04**	**72.22W–.07**	**22–6**	**4.6b,4.0s**	**106**	**1-176**
SJA	VIII	24 22 29 56.2–1.0	33.34S	72.66W	39–39	4.7W,4.5L		**¶601625212**
IDC	VIII	24 22 29 59.9–.52	33.44S	72.08W	0	4.4,4.4b		
ISCJB	VIII	24 22 30 01.3–1.2	33.48S–.03	72.36W–.04	21–8	4.4b,4.0s		
NEIC	VIII	24 22 30 01.0–.00	33.43S	72.31W	42	4.7b,4.4L		
GUC	VIII	24 22 30 02.0–.70	33.45S	72.33W	44–5	4.4L,4.4L		
BJI	VIII	24 22 30 06.0	33.40S	72.30W	42	4.8s,4.5		

ISC Event type fe.
SJA Error ellipse: s-maj=6.2km s-min=15.6km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=13.6km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.7km az=6.7.
NEIC Event type fe. Felt [III] at Navidad and [II] at San Antonio. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**24 22 43 24.7–1.5**	**36.42N–.04**	**141.11E–.06**	**25–11**	**3.9b,3.3s**	**38**	**0-87**
NIED	VIII	24 22 43 00	36.50N	141.10E	32	3.9W,3.3s		**¶601683836**
ISCJB	VIII	24 22 43 24.7–.77	36.41N–.03	141.18E–.06	41–7	3.8b,3.4s		
JMA	VIII	24 22 43 25.5–.10	36.42N	141.08E	45–2	3.9,3.4s		
NEIC	VIII	24 22 43 26.3–1.3	36.32N	141.14E	43–11	4.0b,3.4s		
IDC	VIII	24 22 43 27.2–2.4	36.35N	141.11E	50–23	3.8,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ4.00000°,λ-112.00000°. NP2:ϕ_s217.00000°,δ86.00000°,λ-88.00000°. $M_0$7.12000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=13.2.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=10.7km az=103.0. Recorded [2 JMA] in Ibaraki.
IDC Error ellipse: s-maj=18.2km s-min=10.3km az=65.0.

(228) Near east coast of eastern Honshu

JMA	**VIII**	**24 23 51 10.7–.10**	**36.29N**	**141.02E**	**44–1**	**3.6**		
NIED	VIII	24 23 51 00	36.30N	141.10E	41	3.6W		**¶603662729**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s301.00000°,δ9.00000°,λ-146.00000°. NP2:ϕ_s178.00000°,δ85.00000°,λ-83.00000°. $M_0$2.86000×10^{14}

(227) Eastern Honshu

ISC	**VIII**	**25 00 52 20.2–.93**	**37.80N–.03**	**140.01E–.03**	**11–8**		**27**	**0-58**
NIED	VIII	25 00 52 00	37.80N	140.00E	8	3.5W		**¶601766425**
ISCJB	VIII	25 00 52 20.1–.45	37.80N–.03	140.02E–.04	9–4	3.6b		
JMA	VIII	25 00 52 20.3	37.80N	140.00E	8–1	3.5		
IDC	VIII	25 00 52 31.6–2.1	37.50N	139.31E	90–18	3.8,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ34.00000°,λ102.00000°. NP2:ϕ_s196.00000°,δ57.00000°,λ82.00000°. $M_0$1.77000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=28.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s207.00000°,δ55.00000°,λ96.00000°. NP2:ϕ_s17.00000°,δ35.00000°,λ82.00000°. Principal axes: T Plg79.0000°,Azm140.0000°; N Plg5.0000°,Azm24.0000°; P Plg10.0000° ,Azm293.0000°
IDC Error ellipse: s-maj=37.8km s-min=23.3km az=93.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**25 11 14 45.1–1.1**	**40.01N–.03**	**141.94E–.06**	**11–6**	**4.0b**	**27**	**0-66**
NIED	VIII	25 11 14 00	40.00N	142.00E	5	3.6W		**¶601627638**
ISCJB	VIII	25 11 14 44.0–.86	40.02N–.03	142.02E–.06	13–4	3.9b		
JMA	VIII	25 11 14 45.2	40.01N	141.94E	7–1	3.7		
IDC	VIII	25 11 14 49.1–2.2	40.04N	142.20E	45–21	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s103.00000°,δ30.00000°,λ-73.00000°. NP2:ϕ_s263.00000°,δ62.00000°,λ-100.00000°. $M_0$3.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.7km az=175.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s257.00000°,δ54.00000°,λ-114.00000°. NP2:ϕ_s114.00000°,δ42.00000°,λ-61.00000°. Principal axes: T Plg6.0000°,Azm4.0000°; N Plg19.0000°,Azm272.0000°; P Plg70.0000° ,Azm111.0000°
IDC Error ellipse: s-maj=33.4km s-min=15.0km az=91.0.

(613) Hawaiian Islands

NEIC	**VIII**	**25 12 25 55.5–.00**	**19.01N**	**155.43W**	**38**	**3.9L**		**¶601626193**

NEIC Event type fe. Felt [II] at Hilo. Also felt at Captain Cook, Honoka'a, Kea'au, Laupahoehoe, Mountain View, Na'alehu, Pa'auilo, Pahala, Pahoa, Papa'aloa, Papa'ikou, Pepeekeo, Volcano and Waimea. Felt at Honolulu, O'ahu. After HVO.

(224) Hokkaido region

ISC	**VIII**	**25 14 16 16.8–.26**	**42.33N–.02**	**143.10E–.02**	**52–1**	**5.8b,5.4s**	**2458**	**0-160**
NIED	VIII	25 14 16 00	42.30N	143.10E	56	5.9W,5.4s		**¶601626197**
BJI	VIII	25 14 16 13.2	42.28N	143.11E	48	5.6b,5.6b		
IDC	VIII	25 14 16 15.1–1.1	42.39N	143.06E	37–8	5.8L,5.6		
MOS	VIII	25 14 16 15.7–.86	42.34N	142.99E	61	6.0b,5.6s		
ISCJB	VIII	25 14 16 15.8–.17	42.30N–.01	143.02E–.01	60–1	5.7b,5.6s		
NEIC	VIII	25 14 16 17.1–.38	42.42N	142.91E	54–3	5.9W,5.9b		
JMA	VIII	25 14 16 17.4–.10	42.33N	143.11E	49–1	6.1,5.9b		
GCMT	VIII	25 14 16 21.1–.10	42.39N–.01	142.86E–.01	50–0	5.9W,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ11.00000°,λ61.00000°. NP2:ϕ_s290.00000°,δ80.00000°,λ96.00000°. $M_0$7.31000×10^{17}
MOS Event type fe. Felt (III) at Malokuril'skoye, Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Obihiro, [IV] at Sapporo and [III] at Iwamizawa. Also felt [III] at Misawa, Honshu. Felt throughout southern Hokkaido and northern Honshu. Recorded [5L JMA] in south-central Hokkaido and [4 JMA] in Aomori, Honshu. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}7.01 $M_{\theta\theta}$-5.70 $M_{\phi\phi}$-1.31 $M_{r\theta}$-6.60 $M_{\theta\phi}$1.28 $M_{\phi r}$2.54 Best double couple: NP1: ϕ_s102.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s289.00000°,δ69.00000°,λ93.00000°. Principal axes: T 10.1000,Plg66.0000°,Azm204.0000°; N -1.0000,Plg2.0000°,Azm108.0000° ; P -9.1000,Plg24.0000°,Azm17.0000° $M_0$9.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s55.00000°,δ25.00000°,λ38.00000°. NP2: ϕ_s290.00000°,δ75.00000°,λ110.00000°. Principal axes: T Plg56.0000°,Azm225.0000° ; N Plg0.0000°,Azm0.0000°; P Plg27.0000°,Azm4.0000°
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000° ,δ68.00000°,λ76.00000°. NP2:ϕ_s246.00000°,δ26.00000°,λ121.00000°. Principal axes: T Plg64.0000°,Azm280.0000°; N Plg13.0000°,Azm38.0000°; P Plg22.0000°,Azm133.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c303; s142,c400; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.85±.06 $M_{\theta\theta}$-3.85±.05; $M_{\phi\phi}$-0.99±.05; $M_{r\theta}$-6.30±.08; $M_{\theta\phi}$-0.46±.04; $M_{\phi r}$2.79±.06; Best double couple: NP1:ϕ_s288.00000°,δ74.00000° ,λ100.00000°. NP2:ϕ_s75.00000°,δ18.00000°,λ59.00000°. Principal axes: T 8.8880,Plg59.0000°,Azm211.0000°; N -1.5910,Plg9.0000°,Azm105.0000° ; P -7.2930,Plg29.0000°,Azm10.0000° $M_0$8.09000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**25 15 48 58.1–1.1**	**39.42N–.04**	**142.18E–.08**	**55–8**	**3.8b**	**36**	**0-81**
ISCJB	VIII	25 15 48 56.9–.73	39.42N–.03	142.17E–.09	64–4	3.6b		**¶601766449**
JMA	VIII	25 15 48 58.4	39.42N	142.09E	57–1	3.6		
IDC	VIII	25 15 48 59.3–2.2	39.47N	142.24E	73–18	3.6s,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=5.4km az=10.6.
JMA Event type fe.
IDC Error ellipse: s-maj=29.2km s-min=13.8km az=97.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**25 16 20 46.2–.81**	**40.45N–.04**	**141.63E–.09**	**119–6**	**3.4b**	**35**	**0-73**
ISCJB	VIII	25 16 20 45.3–.49	40.48N–.03	141.6E–.10	119–3	3.5b		**¶601766452**
IDC	VIII	25 16 20 45.9–1.9	40.48N	141.60E	111–16	3.6,3.4		
JMA	VIII	25 16 20 46.6–.10	40.47N	141.54E	116–1	3.6,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=5.3km az=7.3.
IDC Error ellipse: s-maj=20.5km s-min=13.2km az=124.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(2) Southern Alaska

ISC	**VIII**	**25 16 36 10.1–.74**	**59.91N–.03**	**152.77W–.04**	**105–6**	**3.7b**	**133**	**0-65**
ISCJB	VIII	25 16 36 08.7–.25	59.91N–.02	152.75W–.04	111–2	3.6b		**¶601643020**
IDC	VIII	25 16 36 08.1–1.8	59.99N	153.06W	71–29	3.7,3.6		
NEIC	VIII	25 16 36 10.8–.00	59.90N	152.85W	102	3.4L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=39.4.
IDC Error ellipse: s-maj=32.3km s-min=9.9km az=109.0.
NEIC Event type fe. Felt at Anchorage. After AEIC.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**25 18 36 59.4–.25**	**37.04N–.03**	**141.11E–.03**	**87–1**	**5.0b**	**1035**	**0-155**
NIED	VIII	25 18 36 00	37.00N	141.10E	86	5.1W		**¶606018962**
MOS	VIII	25 18 36 56.2–.91	37.05N	141.06E	67	5.1b,4.0s		
BJI	VIII	25 18 36 57.0	37.14N	141.05E	80	5.2b,5.0b		
NEIC	VIII	25 18 36 59.8–.08	36.96N	140.97E	89	5.2W,5.1b		
ISCJB	VIII	25 18 36 59.3–.20	36.99N–.02	141.02E–.02	95–1	4.9b,5.1b		
JMA	VIII	25 18 36 59.9–.10	36.97N	141.08E	90–1	5.2,5.1b		
IDC	VIII	25 18 37 00.1–.33	36.99N	140.89E	88–2	4.7,4.5		
GCMT	VIII	25 18 37 00.8–.20	37.06N–.01	141.16E–.01	98–1	5.2W,4.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ30.00000°,λ-57.00000°. NP2:ϕ_s253.00000°,δ65.00000°,λ-108.00000°. $M_0$5.94000×10^{16}
NEIC Event type fe. Felt [IV] at Fukushima, Iwaki, Mito, Sendai and Tsuchiura and [II] at Tokyo. Felt widely in central and northeastern Honshu from the Tokyo area north to Morioka. Recorded [4 JMA] in Fukushima, Ibaraki and Miyagi. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.09 $M_{\theta\theta}$6.09 $M_{\phi\phi}$-1.00 $M_{r\theta}$6.16 $M_{\theta\phi}$-1.27 $M_{\phi r}$1.38 Best double couple: NP1:ϕ_s120.00000°,δ25.00000°,λ-55.00000°. NP2:ϕ_s262.00000° ,δ70.00000°,λ-105.00000°. Principal axes: T 8.8600,Plg23.0000°,Azm4.0000° ; N -0.6100,Plg14.0000°,Azm268.0000°; P -8.2500,Plg62.0000°,Azm149.0000° $M_0$8.60000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s241.00000°,δ77.00000°,λ-113.00000°. NP2:ϕ_s122.00000°,δ26.00000°,λ-32.00000°. Principal axes: T Plg28.0000°,Azm349.0000°; N Plg22.0000°,Azm247.0000°; P Plg53.0000° ,Azm124.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c124; s119,c222;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.56±.13 $M_{\theta\theta}$5.66±.14; $M_{\phi\phi}$-2.10±.14; $M_{r\theta}$4.25±.10; $M_{\theta\phi}$-0.81±.13; $M_{\phi r}$3.05±.08; Best double couple: NP1:ϕ_s245.00000°,δ73.00000°,λ-120.00000°. NP2:ϕ_s128.00000°,δ34.00000°,λ-32.00000°. Principal axes: T 7.3340,Plg22.0000° ,Azm357.0000°; N -0.1680,Plg28.0000°,Azm255.0000°; P -7.1660,Plg53.0000° ,Azm119.0000° $M_0$7.25000×10^{16}

(327) Lake Baykal region

ISC	**VIII**	**26 10 43 54.3–.84**	**51.71N–.03**	**104.65E–.02**	**16–5**	**3.7b**	**113**	**0-79**
IDC	VIII	26 10 43 49.6–1.8	51.81N	104.62E	0	3.7,3.6L		**¶601672967**
ISCJB	VIII	26 10 43 51.2–.41	51.72N–.03	104.68E–.03	0–3	4.0s,3.8b		
MOS	VIII	26 10 43 52.6–1.1	51.66N	104.74E	12	4.0b,3.8b		
BYKL	VIII	26 10 43 53.6–.17	51.75N	104.59E	23–2	4.0b,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=21.7km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.4km az=166.8.
MOS Event type fe. Error ellipse: s-maj=9.9km s-min=7.6km az=85.9. Felt (II) at Listvyanka. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Listvyanka, Angarskie Khutora, II at Shelekhov, Irkutsk.

(71) Near coast of Guatemala

ISC	**VIII**	**26 11 13 37.9–1.3**	**13.56N–.08**	**90.37W–.08**	**69–10**	**4.1b**	**271**	**1-147**
UCR	VIII	26 11 13 35.4–1.6	13.44N	90.45W	14–5	4.2L,4.2b		**¶601643025**
ISCJB	VIII	26 11 13 37.0–.50	13.47N–.04	90.36W–.04	76–4	4.1b,4.2b		
NEIC	VIII	26 11 13 39.2–.90	13.54N	90.23W	77–8	4.3,4.2b		
IDC	VIII	26 11 13 40.3–1.4	13.87N	89.90W	85–9	3.9,3.8		

ISC Event type fe.
UCR Error ellipse: s-maj=6.4km s-min=4.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.4km az=43.4.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=7.1km az=215.0. Felt [I] at Ahuachapan.
IDC Error ellipse: s-maj=34.0km s-min=8.9km az=45.0.

(266) Northern Molucca Sea

ISC	**VIII**	**26 15 05 37.2–.24**	**2.20N–.02**	**126.87E–.02**	**91–1**	**6.2b**	**2609**	**2-173**
MOS	VIII	26 15 05 33.2–1.0	2.20N	126.85E	66	6.5b,5.9s		**¶601626654**
IDC	VIII	26 15 05 35.1–.74	2.19N	126.83E	70–6	6.0,5.7		
NEIC	VIII	26 15 05 35.0–.00	2.13N	126.87E	100	6.0,5.7		
ISCJB	VIII	26 15 05 35.9–.21	2.21N–.01	126.86E–.01	90–1	6.0b,5.7		
BJI	VIII	26 15 05 36.4	2.24N	126.83E	94	6.4b,6.0b		
NEIC	VIII	26 15 05 37.1–.39	2.19N	126.84E	91–3	6.8,6.6W		
DJA	VIII	26 15 05 38.1–.20	2N–1.0	127E–1.0	94–2	6.8,6.8b		
GCMT	VIII	26 15 05 40.1–.10	2.16N	126.81E	91–0	6.6W,6.8b		
NEIC	VIII	26 15 05 54.4–.00	2.29N	126.98E	74	6.6W,6.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=115.1.
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=62.0.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}4.20 $M_{\theta\theta}$3.88 $M_{\phi\phi}$-8.08 $M_{r\theta}$-4.97 $M_{\theta\phi}$2.83 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s312.00000° ,δ62.00000°,λ36.00000°. NP2:ϕ_s203.00000°,δ59.00000°,λ147.00000°. Principal axes: T 9.3700,Plg44.0000°,Azm168.0000°; N -0.6400,Plg45.0000°,Azm344.0000° ; P -8.7300,Plg2.0000°,Azm76.0000° $M_0$9.10000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=161.4.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=56.0. Felt [V] in parts of northern Halmahera; [IV] in the Kepulauan Talaud, on Pulau Ternate and at Galela, Jailolo, Morotai and Tobelo; [III] at Manado, Indonesia. Also felt at Bitung. Felt [IV PIVS] at Davao, [III PIVS] at General Santos and [II PIVS] at Koronadal, Polomolok and Tupi, Mindanao, Philippines. Also felt at Magugpo, Maitum, Paraiso and Zamboanga City. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$6.20000×10^{18} Moment Tensor Solution. s32 Moment tensor: Scale 10^{18} Nm; M_{rr}4.47 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-5.82 $M_{r\theta}$-2.68 $M_{\theta\phi}$2.12 $M_{\phi r}$-0.23 Best double couple: NP1: ϕ_s193.00000°,δ51.00000°,λ133.00000°. NP2:ϕ_s317.00000°,δ56.00000°,λ50.00000°. Principal axes: T 6.1400,Plg58.0000°,Azm168.0000°; N 0.2800,Plg32.0000°,Azm342.0000° ; P -6.4300,Plg3.0000°,Azm74.0000° $M_0$6.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s314.00000°,δ63.00000°,λ28.00000°. NP2: ϕ_s210.00000°,δ65.00000°,λ150.00000°. Principal axes: T Plg38.0000°,Azm171.0000° ; N Plg0.0000°,Azm0.0000°; P Plg1.0000°,Azm262.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c383; s147,c656; Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}0.33±.00 $M_{\theta\theta}$0.49±.00; $M_{\phi\phi}$-0.82±.00; $M_{r\theta}$-0.51±.00; $M_{\theta\phi}$0.19±.00; $M_{\phi r}$-0.07±.00; Best double couple: NP1:ϕ_s315.00000°,δ63.00000° ,λ31.00000°. NP2:ϕ_s210.00000°,δ63.00000°,λ150.00000°. Principal axes: T 0.9530,Plg40.0000°,Azm172.0000°; N -0.1000,Plg50.0000°,Azm352.0000° ; P -0.8530,Plg0.0000°,Azm82.0000° $M_0$0.90300×10^{19}
NEIC Event type se. Moment Tensor Solution. s110 Moment tensor: Scale 10^{18}Nm; M_{rr}4.54 $M_{\theta\theta}$4.27 $M_{\phi\phi}$-8.81 $M_{r\theta}$-4.91 $M_{\theta\phi}$1.93 $M_{\phi r}$-1.23 Best double couple: NP1:ϕ_s207.00000° ,δ62.00000°,λ143.00000°. NP2:ϕ_s317.00000°,δ58.00000°,λ34.00000°. Principal axes: T 9.5900,Plg45.0000°,Azm170.0000°; N -0.4700,Plg45.0000°,Azm355.0000° ; P -9.1100,Plg2.0000°,Azm263.0000° $M_0$9.30000×10^{18}

(43) Southern California

ISC	**VIII**	**26 15 48 09.2–.94**	**33.06N–.03**	**115.56W–.02**	**17–8**		**51**	**0-2**
ISCJB	VIII	26 15 48 09.6–.35	33.04N–.02	115.57W–.02	9–4			**¶602062946**
NEIC	VIII	26 15 48 10.5–.00	33.01N	115.55W	9	2.5L		
ECX	VIII	26 15 48 11.3–.53	32.99N	115.57W	10	2.5L,2.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=140.2.
NEIC Event type fe. Felt [II] at Brawley. Also felt at La Quinta. First of 2 events about 13 seconds apart. After PAS.
ECX Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 17 02 12.6–.82**	**33.03N–.02**	**115.58W–.02**	**18–5**		**108**	**0-15**
ISCJB	VIII	26 17 02 11.5–.33	33.05N–.01	115.57W–.02	11–2			**¶601643030**
NEIC	VIII	26 17 02 12.7–.00	33.02N	115.56W	13	3.8L		
IDC	VIII	26 17 02 12.6–2.0	32.99N	115.29W	0	3.7,3.7L		
ECX	VIII	26 17 02 13.0–.53	33.07N	115.61W	12	3.8L,3.6		
MEX	VIII	26 17 02 15.5–.69	33.10N	115.64W	16–32	4.0,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.2km az=147.2.
NEIC Event type fe. Felt [IV] at Brawley. Also felt at Blythe, Holtville, Imperial and San Diego. After PAS.
IDC Error ellipse: s-maj=27.0km s-min=11.5km az=43.0.
ECX Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=29.8km s-min=9.9km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 17 16 01.5–.93**	**32.99N–.02**	**115.56W–.02**	**20–2**		**77**	**0-5**
ISCJB	VIII	26 17 16 01.3–.37	33.02N–.02	115.57W–.02	15–3			**¶601685269**
NEIC	VIII	26 17 16 02.0–.00	33.02N	115.55W	14	3.3L		
ECX	VIII	26 17 16 02.5–.59	33.03N	115.57W	12	3.3L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=149.2.
NEIC Event type fe. Felt at Brawley. After PAS.
ECX Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 18 11 23.9–.84**	**33.02N–.02**	**115.59W–.02**	**16–6**		**70**	**0-4**
ISCJB	VIII	26 18 11 23.1–.37	33.02N–.02	115.57W–.02	11–3			**¶601794253**
NEIC	VIII	26 18 11 24.1–.00	33.01N	115.56W	13	2.7L		
ECX	VIII	26 18 11 24.5–.55	33.01N	115.57W	8	2.6L,2.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=154.0.
NEIC Event type fe. Felt at Brawley. After PAS.
ECX Error ellipse: s-maj=2.4km s-min=1.5km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 19 20 04.9–.83**	**33.03N–.02**	**115.57W–.02**	**13–6**	**4.3b**	**143**	**0-97**
ISCJB	VIII	26 19 20 02.8–.29	33.08N–.02	115.56W–.02	3–2	4.4b		**¶601626667**
NEIC	VIII	26 19 20 04.5–.00	33.02N	115.55W	13	4.6W,4.5b		
IDC	VIII	26 19 20 04.3–1.2	33.05N	115.52W	0	4.1,4.1s		
MEX	VIII	26 19 20 05.5–.66	33.09N	115.48W	15	4.6,4.1s		
ECX	VIII	26 19 20 05.0–.58	33.07N	115.61W	5	4.6L,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=148.0.
NEIC Event type fe. Felt [V] at Brawley, [III] at El Centro and Imperial and [II] at San Diego. Also felt at Chula Vista, Holtville, Julian, San Ysidro, Santee and Westmorland. After PAS.
IDC Error ellipse: s-maj=21.8km s-min=8.6km az=33.0.
MEX Error ellipse: s-maj=8.7km s-min=4.9km az=-1.0.
ECX Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 19 31 22.4–.40**	**33.05N–.02**	**115.54W–.01**	**2–2**	**5.1s,4.7b**	**734**	**0-146**
BJI	VIII	26 19 31 20.9	33.00N	115.50W	12	5.5s,5.3b		**¶601626669**
ISCJB	VIII	26 19 31 21.7–.34	33.00N–.01	115.49W–.01	10–2	5.1s,4.6b		
NEIC	VIII	26 19 31 22.9–.00	33.02N	115.55W	12	5.4W,5.3W		
MEX	VIII	26 19 31 22.5–.65	33.27N	115.50W	17–156	5.5,5.3W		
NEIC	VIII	26 19 31 23.0–.00	33.12N	115.68W	11	5.5,5.3W		
MOS	VIII	26 19 31 23.7–1.3	33.06N	115.39W	12	5.2s,5.1b		
ECX	VIII	26 19 31 23.1–.61	33.08N	115.57W	8	5.3L,5.1		
IDC	VIII	26 19 31 23.7–.49	33.13N	115.31W	0	4.9,4.9		
GCMT	VIII	26 19 31 24.9–.20	32.92N–.01	115.59W–.01	12	5.4W,4.9		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Heber, Holtville and Imperial; [IV] at Boulevard, Brawley, Calexico, Chula Vista, El Centro, San Ysidro and Thermal. Felt throughout southern California and southwestern Arizona. Felt [IV] at Mexicali and [III] in the Ensenada-Tijuana area, Baja California. Also felt at San Luis Rio Colorado, Sonora. After PAS.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$1.36 $M_{r\theta}$0.98 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.28 Best double couple: NP1:ϕ_s334.00000° ,δ66.00000°,λ-148.00000°. NP2:ϕ_s230.00000°,δ62.00000°,λ-27.00000°. Principal axes: T 1.4700,Plg2.0000°,Azm101.0000°; N 0.3100,Plg51.0000°,Azm8.0000° ; P -1.7800,Plg38.0000°,Azm193.0000° $M_0$1.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c91; s130,c261;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42±.03 $M_{\theta\theta}$-1.16±.03; $M_{\phi\phi}$1.58±.02; $M_{r\theta}$-0.17±.08; $M_{\theta\phi}$0.55±.03; $M_{\phi r}$-0.54±.07; Best double couple: NP1:ϕ_s145.00000°,δ77.00000°,λ173.00000°. Principal axes: T 1.8260,Plg14.0000° ,Azm101.0000°; N -0.5550,Plg75.0000°,Azm262.0000°; P -1.2700,Plg5.0000°,Azm10.0000° $M_0$1.54800×10^{17}

(224) Hokkaido region

ISC	**VIII**	**26 19 37 44.2–.87**	**42.81N–.06**	**145.04E–.04**	**87–6**	**4.0b**	**74**	**0-79**
ISCJB	VIII	26 19 37 43.3–.48	42.82N–.05	145.03E–.04	94–3	3.9b		**¶601766512**
MOS	VIII	26 19 37 43.4–.91	42.77N	145.07E	102	4.1b		
JMA	VIII	26 19 37 44.8–.10	42.87N	145.01E	87–1	3.5		
IDC	VIII	26 19 37 44.9–3.0	42.84N	144.98E	95–19	4.0,3.7		
SKHL	VIII	26 19 37 45.3–.00	42.96N	144.99E	104–2	5.2s,4.7b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.0km az=152.1.
MOS Error ellipse: s-maj=14.8km s-min=8.4km az=76.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=25.5km az=151.0.

(45) California-Baja California border region

ISC	**VIII**	**26 19 40 13.1–.82**	**32.98N–.02**	**115.59W–.02**	**13–6**		**81**	**0-40**
ISCJB	VIII	26 19 40 12.7–.35	32.96N–.02	115.58W–.02	15–2	3.8b		**¶601626672**
NEIC	VIII	26 19 40 12.9–.00	32.99N	115.60W	10	4.3W,4.2b		
IDC	VIII	26 19 40 12.5–2.0	32.87N	115.48W	0	4.2,4.0b		
MEX	VIII	26 19 40 13.8–.47	33.10N	115.54W	16–95	4.2,4.0b		
ECX	VIII	26 19 40 13.3–.46	33.01N	115.63W	10	4.3L,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=0.6.
NEIC Event type fe. Felt [III] at Chula Vista. Also felt at Palm Desert and San Diego. Felt at Somerton and Yuma, Arizona. After PAS.
IDC Error ellipse: s-maj=32.1km s-min=12.2km az=36.0.
MEX Error ellipse: s-maj=76.6km s-min=46.6km az=-1.0.
ECX Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 20 57 57.9–.69**	**33.03N–.02**	**115.55W–.02**	**2–4**	**5.3s,4.7b**	**917**	**0-159**
ISCJB	VIII	26 20 57 56.9–.31	32.99N–.01	115.51W–.01	9–2	5.2s,4.6b		**¶601626691**
BJI	VIII	26 20 57 56.2	33.00N	115.50W	9	5.6s,5.5b		
ECX	VIII	26 20 57 58.9–.61	33.05N	115.59W	8	5.4L,5.2		
NEIC	VIII	26 20 57 58.2–.00	33.02N	115.55W	9	5.5W,5.4W		
NEIC	VIII	26 20 57 58.0–.00	32.32N	115.79W	11	5.5W,5.4W		
IDC	VIII	26 20 57 58.3–.51	33.12N	115.33W	0	5.1,5.1		
MOS	VIII	26 20 57 59.9–.99	33.19N	115.53W	17	5.3s,5.2b		
MEX	VIII	26 20 57 59.7–.70	33.09N	115.47W	17–999	5.6,5.2b		
GCMT	VIII	26 20 58 01.2–.10	32.95N–.01	115.56W–.01	12	5.5W,5.2b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Holtville and [IV] at Borrego Springs, Brawley, Calexico, El Centro, Imperial, Niland and San Diego. Felt [IV] at Mexicali and Rosarito and [III] in the Ensenada-Tijuana area, Baja California. Felt throughout southern California and southwestern Arizona. Also felt at Puerto Penasco and San Luis Rio Colorado, Sonora. After PAS.
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$2.15 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.69 $M_{\phi r}$-0.69 Best double couple: NP1:ϕ_s48.00000° ,δ74.00000°,λ-45.00000°. NP2:ϕ_s154.00000°,δ47.00000°,λ-158.00000°. Principal axes: T 2.5800,Plg16.0000°,Azm106.0000°; N -0.0800,Plg42.0000°,Azm212.0000° ; P -2.5000,Plg42.0000°,Azm0.0000° $M_0$2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c173; s138,c289;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.03 $M_{\theta\theta}$-1.62±.03; $M_{\phi\phi}$2.03±.02; $M_{r\theta}$-0.38±.07; $M_{\theta\phi}$0.96±.02; $M_{\phi r}$-0.38±.06; Best double couple: NP1:ϕ_s58.00000°,δ89.00000°,λ-14.00000°. NP2:ϕ_s149.00000°,δ76.00000°,λ-179.00000°. Principal axes: T 2.3440,Plg9.0000° ,Azm105.0000°; N -0.4330,Plg76.0000°,Azm235.0000°; P -1.9090,Plg11.0000° ,Azm13.0000° $M_0$2.12600×10^{17}

(43) Southern California

ISC	**VIII**	**26 21 15 29.5–.57**	**33.05N–.02**	**115.55W–.02**	**10**	**3.8b**	**134**	**0-40**
ISCJB	VIII	26 21 15 28.4–.20	33.03N–.01	115.53W–.02	10	3.7b		**¶601626696**
NEIC	VIII	26 21 15 29.1–.00	33.04N	115.54W	5	4.3L,4.1b		
ECX	VIII	26 21 15 29.2–.54	33.10N	115.57W	4	4.3L,4.2		
IDC	VIII	26 21 15 29.0–1.8	33.17N	115.49W	0	4.0,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=147.4.
NEIC Event type fe. Felt at Carlsbad, Coronado and San Diego. Felt [II] at Yuma, Arizona. Also felt at La Joya, Baja California. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=29.3km s-min=9.8km az=17.0.

(43) Southern California

ISC	**VIII**	**26 21 26 38.3–1.0**	**33.09N–.02**	**115.54W–.02**	**10–9**		**61**	**0-7**
ISCJB	VIII	26 21 26 38.9–.44	33.04N–.02	115.53W–.02	11–3			**¶601778060**
NEIC	VIII	26 21 26 39.8–.00	33.03N	115.53W	8	3.8L		
ECX	VIII	26 21 26 40.2–.63	33.07N	115.57W	8	3.8L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=151.9.
NEIC Event type fe. Felt at Brawley and Indio. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 22 06 28.6–.85**	**33.02N–.02**	**115.56W–.02**	**17–6**		**99**	**0-5**
ISCJB	VIII	26 22 06 27.8–.32	33.02N–.02	115.55W–.02	10–2			**¶601778061**
MEX	VIII	26 22 06 27.7–.40	33.27N	115.45W	15	3.7		
NEIC	VIII	26 22 06 28.7–.00	33.02N	115.54W	4	3.4L		
ECX	VIII	26 22 06 28.9–.53	33.06N	115.57W	4	3.4L,3.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=157.7.
MEX Error ellipse: s-maj=5.8km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt at Borrego Springs, Indio and Santee. Also felt at Yuma, Arizona. After PAS.
ECX Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.

(45) California-Baja California border region

ISC	**VIII**	**26 22 58 42.9–.70**	**32.94N–.02**	**115.59W–.02**	**12–5**	**3.2s**	**134**	**0-37**
ISCJB	VIII	26 22 58 40.2–.29	33.00N–.02	115.57W–.02	4–3	3.5b,3.2s		**¶601626721**
IDC	VIII	26 22 58 40.1–1.9	32.77N	115.61W	0	3.9,3.7L		
NEIC	VIII	26 22 58 41.9–.00	32.99N	115.59W	5	4.3W,3.7L		
ECX	VIII	26 22 58 41.9–.66	33.04N	115.62W	4	4.3L,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.3km az=173.6.
IDC Error ellipse: s-maj=31.9km s-min=10.9km az=35.0.
NEIC Event type fe. Felt [V] at Brawley, [III] at El Centro and [II] at San Diego. Also felt at Aliso Viejo, Chula Vista and Laguna Woods. Felt at Parker, Arizona and at Primo Tapia and Puebla, Baja California. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 23 33 25.7–.79**	**33.00N–.02**	**115.58W–.02**	**14–5**	**4.6b,3.8s**	**595**	**0-146**
ISCJB	VIII	26 23 33 23.8–.33	32.97N–.01	115.49W–.01	11–2	4.5b,3.8s		**¶601626727**
MEX	VIII	26 23 33 24.4–.78	33.26N	115.45W	16–60	4.5,3.8s		
IDC	VIII	26 23 33 24.4–.64	33.07N	115.50W	0	4.4b,4.4		
NEIC	VIII	26 23 33 25.1–.00	33.04N	115.52W	12	4.6W,4.6b		
ECX	VIII	26 23 33 25.0–.48	33.11N	115.57W	9	4.6L,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=3.7.
MEX Error ellipse: s-maj=54.0km s-min=22.6km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=7.6km az=33.0.

NEIC Event type fe. Felt [II] at Indio and La Quinta. Felt widely in southern California. Felt at Parker and Yuma, Arizona and at Mexicali and Primo Tapia, Baja California. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=1.3km az=-1.0.

(43) Southern California

ISC	**VIII**	**26 23 53 13.7–.99**	**33.02N–.02**	**115.57W–.02**	**15–9**		**95**	**0-6**
ISCJB	VIII	26 23 53 13.5–.30	33.07N–.02	115.54W–.02	6–3			**¶601839141**
NEIC	VIII	26 23 53 14.8–.00	33.03N	115.54W	13	3.3L		
ECX	VIII	26 23 53 16.4–.50	33.00N	115.61W	10	3.3L,3.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=157.0.
NEIC Event type fe. Felt at La Quinta. After PAS.
ECX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.

(123) Northern Chile

ISC	**VIII**	**27 00 39 56.1–.27**	**23.82S–.04**	**69.28W–.05**	**85–2**	**5.0b**	**1006**	**1-175**
MOS	VIII	27 00 39 51.3–1.2	23.75S	69.23W	51	5.3b		**¶601626736**
ISCJB	VIII	27 00 39 55.4–.45	23.60S–.03	69.12W–.04	91–3	4.9b		
GUC	VIII	27 00 39 55.7–.63	23.74S	69.42W	99–6	5.0L		
NEIC	VIII	27 00 39 55.0–.00	23.74S	69.41W	100	5.0L,5.0b		
IDC	VIII	27 00 39 56.3–.30	23.74S	69.18W	85–2	4.9,4.7		
GCMT	VIII	27 00 39 59.0–.40	24.03S–.03	69.63W–.04	93–5	4.9W,4.7		
BJI	VIII	27 00 40 00.2	23.70S	69.40W	100	5.4b,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=11.5km s-min=5.7km az=102.1.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.8km az=142.8.
GUC Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0.
NEIC Event type fe. Felt [III] at Antofagasta and Mejillones. Also felt at Taltal. After GUC.
IDC Error ellipse: s-maj=12.7km s-min=8.1km az=60.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s67,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.14 $M_{\theta\theta}$-1.34±.15; $M_{\phi\phi}$3.03±.15; $M_{r\theta}$0.96±.06; $M_{\theta\phi}$-0.55±.14; $M_{\phi r}$0.07±.12; Best double couple: NP1:ϕ_s320.00000°,δ58.00000°,λ-140.00000°. NP2:ϕ_s206.00000°,δ57.00000°,λ-39.00000°. Principal axes: T 3.0980,Plg1.0000° ,Azm83.0000°; N -0.5760,Plg41.0000°,Azm352.0000°; P -2.5220,Plg49.0000° ,Azm173.0000° $M_0$2.81000×10^{16}

(135) Near coast of central Chile

ISC	**VIII**	**27 04 17 55.1–.65**	**34.77S–.04**	**71.77W–.08**	**47–5**	**4.1b**	**42**	**2-84**
ISCJB	VIII	27 04 17 54.9–.66	34.76S–.03	71.82W–.10	65–7	4.0b		**¶601734400**
IDC	VIII	27 04 17 55.0–.95	34.76S	71.62W	44–6	4.0,4.0L		
GUC	VIII	27 04 17 56.4–.49	34.71S	71.76W	50	4.2L,4.0L		
NEIC	VIII	27 04 17 56.0–.00	34.71S	71.76W	55	4.2L,4.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=4.9km az=10.2.
IDC Error ellipse: s-maj=37.2km s-min=17.5km az=78.0.
GUC Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Lolol and Santa Cruz; [III] at Cauquenes, Constitucion, Curico, Duao, Iloca, Molina, Paredones, Pichilemu, Rio Claro, Sagrada Familia and Talca; [II] at Longavi, Maule, Pencahue, Rancagua and San Fernando. After GUC.

(249) Luzon

ISC	**VIII**	**27 04 28 40.2–1.1**	**18.00N–.03**	**120.78E–.03**	**14–7**	**4.6b**	**118**	**0-91**
MAN	VIII	27 04 28 38.4	18.07N	120.71E	9	5.3b,4.5s		**¶601626909**
ISCJB	VIII	27 04 28 41.4–.66	18.00N–.03	120.86E–.03	30–5	4.4b,4.5s		
IDC	VIII	27 04 28 43.3–3.7	17.67N	120.97E	51–34	4.4,4.3L		
NEIC	VIII	27 04 28 45.0–1.1	17.77N	120.99E	65–10	4.6b,4.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.7km az=26.5.
IDC Error ellipse: s-maj=14.8km s-min=11.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=7.3km az=91.0. Felt [IV PIVS] at Badoc, Batac, Currimao, Laoag, Paoay and Pasuquin; [III PIVS] at Bangued, Burgos, Dingras, Nueva Era, Pagudpud, Sinait, Solsona and Tuguegarao; [II PIVS] at Magsingal and Vigan.

(76) Off coast of central America

ISC	**VIII**	**27 04 37 19.7–.42**	**12.13N–.03**	**88.66W–.03**	**16–2**	**7.1s,5.8b**	**1723**	**1-167**
ISCJB	VIII	27 04 37 15.3–.14	12.16N–.02	88.74W–.02	10	7.0s,5.7b		**¶601626911**
IDC	VIII	27 04 37 16.8–.38	12.37N	88.60W	0	6.3,6.3s		
MOS	VIII	27 04 37 17.4–2.5	12.34N	88.62W	10	7.1s,6.0b		
NEIC	VIII	27 04 37 19.4–.22	12.14N	88.59W	28	7.4W,7.3W		
UCR	VIII	27 04 37 20.4–2.2	12.23N	88.61W	28	6.7b,6.0b		
NEIC	VIII	27 04 37 23.0–.00	12.08N	88.53W	11	6.7b,6.0b		
BJI	VIII	27 04 37 24.6	12.24N	88.62W	34	7.4,7.4s		
GCMT	VIII	27 04 37 39.4–.10	12.02N	89.17W	12	7.3W,7.4s		
NEIC	VIII	27 04 37 50.2–.00	11.98N	88.80W	19	7.3W,7.4s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=136.2.
IDC Error ellipse: s-maj=10.2km s-min=6.4km az=38.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=91.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ84.00000°,λ101.00000°. NP2: ϕ_s230.00000°,δ12.00000°,λ31.00000°. Principal axes: T Plg50.0000°,Azm31.0000° ; N Plg11.0000°,Azm288.0000°; P Plg38.0000°,Azm190.0000°
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=215.0. Felt [II] at Antiguo Cuscatlan, Nueva San Salvador and San Salvador. Also felt at Apopa, Mejicanos, Santo Tomas and Usulutan. Felt at Tegucigalpa, Honduras and at Managua, Nicaragua. A small tsunami with maximum wave heights [one-half peak-to-trough] was recorded at the following selected tide stations: 11 cm at Acajutla, El Salvador; 35 cm on Isla Baltra, 22 cm on Isla Santa Cruz and 21 cm at La Libertad, Ecuador. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$8.40000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ5.00000°,λ90.00000°. NP2:ϕ_s110.00000°,δ85.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm20.0000°; N Plg0.0000°,Azm0.0000°; P Plg40.0000° ,Azm200.0000°
UCR Error ellipse: s-maj=7.8km s-min=7.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ78.00000° ,λ95.00000°. NP2:ϕ_s279.00000°,δ13.00000°,λ69.00000°. Principal axes: T 1.2300,Plg57.0000°,Azm36.0000°; N -0.0300,Plg4.0000°,Azm299.0000° ; P -1.2000,Plg32.0000°,Azm206.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c350; s147,c736; Duration: 11s3 Moment tensor: Scale 10^{20}Nm; M_{rr}0.62±.00 $M_{\theta\theta}$-0.53±.00; $M_{\phi\phi}$-0.09±.00; $M_{r\theta}$0.98±.02; $M_{\theta\phi}$0.18±.00; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s117.00000°,δ76.00000° ,λ93.00000°. NP2:ϕ_s284.00000°,δ15.00000°,λ77.00000°. Principal axes: T 1.2850,Plg59.0000°,Azm31.0000°; N -0.0370,Plg3.0000°,Azm296.0000° ; P -1.2490,Plg31.0000°,Azm204.0000° $M_0$1.26700×10^{20}
NEIC Event type se. Moment Tensor Solution. s90 Moment tensor: Scale 10^{20}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.47 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.80 Best double couple: NP1:ϕ_s289.00000° ,δ11.00000°,λ81.00000°. NP2:ϕ_s118.00000°,δ80.00000°,λ92.00000°. Principal axes: T 1.8400,Plg55.0000°,Azm30.0000°; N -0.1000,Plg2.0000°,Azm298.0000° ; P -1.7400,Plg35.0000°,Azm207.0000° $M_0$1.80000×10^{20}

(43) Southern California

ISC	**VIII**	**27 04 41 36.9–.90**	**33.06N–.02**	**115.59W–.02**	**10–6**	**4.5b**	**264**	**0-146**
ISCJB	VIII	27 04 41 35.8–.31	33.03N–.01	115.55W–.01	11–2	7.6s,4.5b		**¶601626912**
BJI	VIII	27 04 41 35.2	33.00N	115.50W	10	5.2b,4.9b		
ECX	VIII	27 04 41 37.2–.47	33.09N	115.58W	4	4.9L,4.7		
NEIC	VIII	27 04 41 37.0–.00	33.02N	115.52W	4	4.9W,4.5b		
MEX	VIII	27 04 41 37.2–.80	33.16N	115.43W	15	4.8,4.5b		
IDC	VIII	27 04 41 37.4–.66	33.26N	115.19W	0	4.6,4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=158.7.
ECX Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt at Brawley, El Centro, Hemet, Imperial, San Diego, San Jacinto, Thermal and Winterhaven. Also felt at Tijuana, Baja California. After PAS.
MEX Error ellipse: s-maj=7.1km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=11.3km az=51.0.

(49) Gulf of California

ISC	**VIII**	**27 05 23 20.7–.73**	**30.69N–.04**	**114.02W–.03**	**14–4**	**5.2b**	**990**	**1-145**
IDC	VIII	27 05 23 18.5–.62	30.64N	113.71W	0	5.7,5.7s		**¶601626924**
MOS	VIII	27 05 23 18.5–1.1	30.61N	113.88W	10	5.4b,5.7s		
ECX	VIII	27 05 23 19.1–.60	30.66N	114.06W	10	5.4L,5.2		
ISCJB	VIII	27 05 23 19.0–.18	30.65N–.02	113.87W–.02	10	5.0b,5.2		
BJI	VIII	27 05 23 20.6	30.60N	113.90W	15	5.3b,5.2b		
MEX	VIII	27 05 23 20.0–.53	30.62N	113.97W	14–7	5.2,5.2b		
NEIC	VIII	27 05 23 20.3–.23	30.55N	113.89W	10	5.2,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=8.9km az=38.0.

MOS Error ellipse: s-maj=6.4km s-min=3.9km az=95.6.
ECX Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.4km az=29.6.
MEX Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.2km az=212.0. Felt [III] at Puerto Penasco, Sonora.

(76) Off coast of central America

ISC	**VIII**	**27 05 38 05.7–.75**	**12.28N–.04**	**88.68W–.04**	**49–6**	**5.4s,5.3b**	**1260**	**1-163**
MOS	VIII	27 05 37 59.4–1.1	12.37N	88.57W	10	5.5b,5.3b		**¶601626926**
IDC	VIII	27 05 37 59.2–.40	12.46N	88.41W	0	5.4s,5.4		
UCR	VIII	27 05 38 02.9–2.8	12.17N	88.80W	27–16	5.5b,4.8L		
BJI	VIII	27 05 38 03.5	12.30N	88.60W	25	5.7,5.7s		
NEIC	VIII	27 05 38 04.4–.14	12.30N	88.61W	35	5.5b,5.7s		
ISCJB	VIII	27 05 38 05.1–.26	12.38N–.02	88.59W–.02	58–2	5.6s,5.3b		

ISC Event type fe.
NEIC Event type fe. Felt at Antiguo Cuscatlan, San Salvador and Tonacatepeque.
ISCJB Event type fe.

(43) Southern California

ISC	**VIII**	**27 06 31 27.4–.97**	**33.13N–.02**	**115.58W–.02**	**11–9**		**96**	**0-11**
ECX	VIII	27 06 31 28.0–.54	33.15N	115.53W	5	3.4L,3.2		**¶601702429**
NEIC	VIII	27 06 31 28.8–.00	33.04N	115.53W	5	3.4L,3.2		

ISC Event type fe.
ECX Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt at Calipatria. After PAS.

(76) Off coast of central America

ISC	**VIII**	**27 08 14 52.2–.65**	**12.45N–.06**	**89.00W–.05**	**40**	**4.5b**	**370**	**1-148**
IDC	VIII	27 08 14 48.0–.97	12.81N	88.74W	0	4.3,4.0		**¶601627741**
UCR	VIII	27 08 14 49.1–1.8	12.28N	89.11W	35	4.5b,3.8L		
NEIC	VIII	27 08 14 52.7–.50	12.60N	88.98W	35	4.5b,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=34.3km s-min=17.1km az=52.0.
UCR Error ellipse: s-maj=10.6km s-min=7.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.7km az=32.0. Felt [II] at Sensuntepeque.

(235) Kyushu

ISC	**VIII**	**27 10 54 11.4–.61**	**31.09N–.03**	**131.45E–.06**	**32**	**3.9b,3.8s**	**46**	**0-148**
NIED	VIII	27 10 54 00	31.10N	131.50E	32	4.3W,3.8s		**¶601766562**
ISCJB	VIII	27 10 54 09.1–.49	31.05N–.03	131.66E–.05	32	3.9b,3.7s		
JMA	VIII	27 10 54 11.5–.10	31.09N	131.53E	31–1	4.1,3.7s		
IDC	VIII	27 10 54 13.2–1.8	31.13N	131.32E	49–17	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ23.00000°,λ94.00000°. NP2:ϕ_s16.00000°,δ67.00000°,λ88.00000°. $M_0$2.84000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=15.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=14.0km az=90.0.

(235) Kyushu

ISC	**VIII**	**27 10 58 45.7–.76**	**31.13N–.04**	**131.30E–.06**	**46–6**	**4.0b**	**67**	**0-148**
NIED	VIII	27 10 58 00	31.10N	131.50E	35	4.3W		**¶601766563**
ISCJB	VIII	27 10 58 44.5–.46	31.12N–.03	131.42E–.06	57–3	4.0b,3.8s		
JMA	VIII	27 10 58 44.5–.10	31.09N	131.52E	29–1	4.0,3.8s		
NEIC	VIII	27 10 58 44.7–.66	31.16N	131.22E	36–6	4.4b,3.8s		
IDC	VIII	27 10 58 45.7–1.9	31.14N	131.22E	44–18	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ13.00000°,λ89.00000°. NP2:ϕ_s15.00000°,δ77.00000°,λ90.00000°. $M_0$3.49000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.8km az=20.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.7km az=100.0. Recorded [1 JMA] in Kagoshima and Miyazaki.
IDC Error ellipse: s-maj=19.2km s-min=12.1km az=89.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**27 11 21 39.2–1.8**	**40.11N–.03**	**142.33E–.08**	**5–11**	**3.9b,3.6s**	**30**	**0-72**
NIED	VIII	27 11 21 00	40.10N	142.40E	5	4.2W,3.6s		**¶601766564**
ISCJB	VIII	27 11 21 39.0–1.2	40.09N–.03	142.39E–.08	18–7	3.9b,3.6s		
JMA	VIII	27 11 21 39.0	40.10N	142.37E	19–1	4.5,3.6s		
IDC	VIII	27 11 21 43.8–3.0	40.15N	142.45E	40–23	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ42.00000°,λ179.00000°. NP2:ϕ_s318.00000°,δ90.00000°,λ48.00000°. $M_0$2.01000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.0km az=178.1.
JMA Event type fe.
IDC Error ellipse: s-maj=39.5km s-min=16.4km az=77.0.

(224) Hokkaido region

ISC	**VIII**	**27 23 11 50.0–.76**	**42.29N–.05**	**143.08E–.04**	**56–6**	**3.7b**	**49**	**0-147**
ISCJB	VIII	27 23 11 49.3–.40	42.27N–.04	143.07E–.04	64–3	3.7b		**¶601766589**
JMA	VIII	27 23 11 50.5–.10	42.34N	143.08E	51–1	3.6		
MOS	VIII	27 23 11 50.1–1.1	42.32N	142.99E	73	4.0b		
IDC	VIII	27 23 11 52.1–1.8	42.34N	142.97E	73–15	3.7,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=156.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=17.5km s-min=10.0km az=62.7.
IDC Error ellipse: s-maj=22.5km s-min=13.8km az=93.0.

(49) Gulf of California

ISC	**VIII**	**27 23 15 59.7–.30**	**30.56N–.03**	**113.91W–.02**	**10**	**5.0s,5.0b**	**1025**	**1-145**
ECX	VIII	27 23 15 57.6–.58	30.60N	113.98W	8	5.3L,5.1		**¶601627864**
BJI	VIII	27 23 15 59.0	30.60N	113.90W	10	5.7b,5.4b		
MOS	VIII	27 23 15 59.4–1.1	30.68N	113.88W	13	5.3s,5.2b		
ISCJB	VIII	27 23 15 59.0–.18	30.62N–.02	113.78W–.02	10	5.0s,4.9b		
MEX	VIII	27 23 16 00.1–.66	30.64N	113.98W	16–7	5.2,4.9b		
GCMT	VIII	27 23 16 00.5–.10	30.66N–.01	114.01W–.01	12	5.3W,4.9b		
NEIC	VIII	27 23 16 00.5–.26	30.55N	113.91W	10	5.4L,5.2		
IDC	VIII	27 23 16 01.8–2.8	30.68N	113.79W	21–17	4.9,4.9s		

ISC Event type fe.
ECX Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=92.4.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.4km az=30.3.
MEX Error ellipse: s-maj=9.9km s-min=4.2km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c134; s131,c251;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$-0.27±.05; $M_{\theta\phi}$0.23±.02; $M_{\phi r}$-0.04±.04; Best double couple: NP1:ϕ_s49.00000°,δ82.00000°,λ-12.00000°. NP2:ϕ_s141.00000°,δ79.00000°,λ-172.00000°. Principal axes: T 1.3650,Plg3.0000° ,Azm96.0000°; N -0.1050,Plg76.0000°,Azm196.0000°; P -1.2570,Plg14.0000°,Azm5.0000° $M_0$1.31100×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=215.0. Felt [III] at Puerto Penasco, Sonora. Also felt at Caborca. Felt [III] at Tucson and [II] at Scottsdale, Arizona. Also felt at Chandler and Phoenix. Felt at Ramona, California and at San Felipe, Baja California. Moment Tensor Solution. s90 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$7.39 $M_{r\theta}$-0.47 $M_{\theta\phi}$1.10 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s49.00000°,δ85.00000°,λ-2.00000°. NP2:ϕ_s140.00000°,δ88.00000°,λ-175.00000°. Principal axes: T 7.4800,Plg2.0000° ,Azm274.0000°; N -0.8300,Plg85.0000°,Azm164.0000°; P -6.6500,Plg5.0000°,Azm5.0000° $M_0$7.10000×10^{16}
IDC Error ellipse: s-maj=13.9km s-min=6.9km az=43.0.

(43) Southern California

ISC	**VIII**	**28 02 01 19.4–.84**	**33.01N–.02**	**115.57W–.02**	**15–6**	**3.5s**	**170**	**0-101**
ISCJB	VIII	28 02 01 18.6–.30	33.02N–.02	115.58W–.01	10–2	3.6b,3.5s		**¶601628309**
MEX	VIII	28 02 01 19.6–.58	33.21N	115.52W	12–19	4.3,3.5s		
NEIC	VIII	28 02 01 19.9–.00	33.00N	115.57W	4	4.2W,4.2b		
IDC	VIII	28 02 01 19.7–1.8	33.00N	115.41W	0	3.9,3.7b		
ECX	VIII	28 02 01 20.3–.50	33.03N	115.59W	9	4.2L,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=162.5.
MEX Error ellipse: s-maj=15.5km s-min=6.9km az=-1.0.
NEIC Event type fe. Felt [IV] at Brawley, [III] at Imperial and [II] at El Centro. Also felt at Calexico, Calipatria, Campo, Carlsbad, Escondido, Hemet, Holtville, Ramona and San Diego. Felt at Yuma, Arizona and at Mexicali and Tijuana, Baja California. After PAS.
IDC Error ellipse: s-maj=27.9km s-min=11.7km az=29.0.
ECX Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.

(2) Southern Alaska

ISC	**VIII**	**28 02 28 23.8–.66**	**59.79N–.04**	**152.53W–.04**	**91–6**	**4.0b**	**125**	**0-149**
ISCJB	VIII	28 02 28 22.7–.21	59.80N–.02	152.50W–.04	100–2	4.0b		**¶601755492**
IDC	VIII	28 02 28 22.9–1.3	59.80N	152.54W	82–18	4.1,3.8		
NEIC	VIII	28 02 28 25.1–.00	59.82N	152.57W	84	3.9L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=141.2.
IDC Error ellipse: s-maj=21.6km s-min=9.8km az=115.0.
NEIC Event type fe. Felt at Homer. After AEIC.

(135) Near coast of central Chile

ISC	**VIII**	**28 08 11 24.6–.37**	**32.49S–.03**	**71.42W–.05**	**46–3**	**4.8b**	**677**	**1-155**
ISCJB	VIII	28 08 11 23.2–.12	32.35S–.02	71.40W–.04	47	4.8b		**¶601628316**
GUC	VIII	28 08 11 24.8–.51	32.38S	71.12W	44–2	4.5L		
IDC	VIII	28 08 11 24.7–.45	32.36S	71.22W	46–3	4.4,4.3		
SJA	VIII	28 08 11 25.4–.67	32.29S	71.16W	14–5	4.6W,4.3L		
NEIC	VIII	28 08 11 25.0–.00	32.42S	71.17W	44	4.8b,4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.3km az=150.7.
GUC Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=71.0.
SJA Error ellipse: s-maj=4.6km s-min=6.9km az=-1.0.
NEIC Event type fe. Felt [IV] at Quillota, Salamanca and Valparaiso; [III] at Illapel, Puchuncavi and Vina del Mar; [II] at Los Vilos, Quilpue, Rancagua, Santiago and Villa Alemana. Also felt at Limache. After GUC.

(39) Central California

ISC	**VIII**	**28 09 36 18.0–1.0**	**35.99N–.02**	**118.38W–.02**	**5–9**		**160**	**0-10**
NEIC	VIII	28 09 36 18.0–.00	36.02N	118.40W	1	3.3L		**¶601832066**

ISC Event type fe.
NEIC Event type fe. Felt in eastern Tulare County. After PAS.

(546) Austria

ISC	**VIII**	**28 10 32 34.8–.90**	**47.20N–.02**	**10.80E–.01**	**18–3**		**92**	**0-5**
ISCJB	VIII	28 10 32 34.9–.26	47.26N–.02	10.82E–.02	12–2			**¶601628509**
LDG	VIII	28 10 32 34.9–.15	47.24N	10.78E	10	2.4L		
VIE	VIII	28 10 32 35.2–.24	47.20N	10.84E	12–3	2.6L,1.6b		
ROM	VIII	28 10 32 35.8–.21	47.19N–.01	10.83E–.01	10	2.1L,1.6b		
PRU	VIII	28 10 32 36.9–.00	47.23N	10.85E	0	2.1L,1.6b		
BGR	VIII	28 10 32 37.0–.30	47.25N	10.81E	10	2.4L,1.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.1km az=0.9.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=22.0.
VIE Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=162.0. 9 km SE of Imst . felt 3-4 ems98 at Oetz / Tyrol.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=2.2km az=167.0. Felt between Imst and Umhausen (weak shaking).

(228) Near east coast of eastern Honshu

ISC	**VIII**	**28 11 44 11.9–1.6**	**36.96N–.04**	**141.43E–.06**	**12–9**	**4.1b**	**64**	**1-147**
NIED	VIII	28 11 44 00	36.90N	141.50E	11	3.9W		**¶601755513**
IDC	VIII	28 11 44 10.3–.60	36.95N	141.41E	0	4.2,4.0		
ISCJB	VIII	28 11 44 11.8–.85	36.96N–.03	141.45E–.05	22–5	4.0b,3.1s		
JMA	VIII	28 11 44 12.9–.10	36.95N	141.35E	40–1	4.2,3.1s		
NEIC	VIII	28 11 44 14.9–2.1	36.94N	141.43E	30–15	4.4b,3.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ31.00000°,λ-94.00000°. NP2:ϕ_s206.00000°,δ59.00000°,λ-87.00000°. $M_0$8.75000×10^{14}
IDC Error ellipse: s-maj=18.5km s-min=13.6km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.3km az=18.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=6.3km az=113.0. Recorded [2 JMA] Fukushima.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**28 13 55 05.2–.57**	**36.39N–.04**	**141.86E–.04**	**25–3**	**4.9b,4.5s**	**543**	**1-148**
NIED	VIII	28 13 55 00	36.40N	141.90E	20	4.8W,4.5s		**¶601671349**
ISCJB	VIII	28 13 55 03.9–.62	36.37N–.02	141.85E–.02	24–4	4.8b,4.4s		
JMA	VIII	28 13 55 04.0–.20	36.40N	141.87E	27–4	5.0,4.4s		
GCMT	VIII	28 13 55 05.8–.40	36.27N–.03	141.98E–.04	27–1	4.9W,4.4s		
IDC	VIII	28 13 55 07.1–3.8	36.36N	141.76E	33–28	4.7,4.6		
MOS	VIII	28 13 55 07.0–.93	36.70N	141.82E	34	5.2b,4.6s		
NEIC	VIII	28 13 55 07.8–.49	36.30N	141.76E	46–4	4.8b,4.6s		
BJI	VIII	28 13 55 13.4	36.53N	141.02E	70	5.2b,5.0b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ16.00000°,λ106.00000°. NP2:ϕ_s19.00000°,δ75.00000°,λ86.00000°. $M_0$1.85000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=42.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s62,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.10±.17 $M_{\theta\theta}$-0.89±.12; $M_{\phi\phi}$-1.22±.10; $M_{r\theta}$1.12±.21; $M_{\theta\phi}$-0.76±.06; $M_{\phi r}$1.97±.18; Best double couple: NP1:ϕ_s32.00000°,δ70.00000°,λ86.00000°. NP2:ϕ_s223.00000°,δ21.00000°,λ100.00000°. Principal axes: T 3.1440,Plg65.0000° ,Azm296.0000°; N -0.2950,Plg4.0000°,Azm33.0000°; P -2.8540,Plg24.0000°,Azm125.0000° $M_0$2.99900×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=9.8km az=103.0.
MOS Error ellipse: s-maj=6.5km s-min=4.2km az=103.4.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.9km az=159.0. Felt at Hitachi, Koriyama, Mito, Narita and Tsukuba. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.

(1) Central Alaska

ISC	**VIII**	**28 15 34 59.1–.82**	**63.57N–.03**	**147.77W–.03**	**24–6**	**4.6b,3.4s**	**588**	**1-165**
IDC	VIII	28 15 34 55.8–.40	63.60N	148.05W	0	4.5,4.3		**¶601628803**
NEIC	VIII	28 15 34 57.6–.00	63.53N	147.74W	13	4.6b,4.2L		
ISCJB	VIII	28 15 34 58.5–.40	63.57N–.01	147.80W–.03	30–3	4.5b,3.6s		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Fairbanks. Also felt at Cantwell, Denali Village and Healy. After AEIC. Moment Tensor Solution. s55 Moment tensor: Scale 10^{15}Nm; M_{rr}1.68 $M_{\theta\theta}$-1.71 $M_{\phi\phi}$0.03 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s249.00000°,δ39.00000° ,λ91.00000°. NP2:ϕ_s68.00000°,δ51.00000°,λ89.00000°. Principal axes: T 1.7300,Plg84.0000°,Azm331.0000°; N 0.3500,Plg1.0000°,Azm68.0000° ; P -2.0800,Plg6.0000°,Azm158.0000° $M_0$1.90000×10^{15}
ISCJB Event type fe.

(227) Eastern Honshu

ISC	**VIII**	**28 17 50 55.9–.98**	**38.96N–.03**	**140.91E–.03**	**12–6**	**4.2b**	**65**	**0-146**
NIED	VIII	28 17 50 00	39.00N	140.90E	5	3.8W		**¶601755527**
ISCJB	VIII	28 17 50 55.5–.39	38.98N–.03	140.93E–.04	23–3	4.1b		
JMA	VIII	28 17 50 55.7	38.97N	140.90E	7–1	4.0		
NEIC	VIII	28 17 51 00.8–.57	39.00N	140.80E	50–5	4.4b		
IDC	VIII	28 17 51 00.6–2.3	38.95N	140.74E	45–21	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ40.00000°,λ63.00000°. NP2:ϕ_s124.00000°,δ55.00000°,λ111.00000°. $M_0$5.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.5km az=13.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s118.00000°,δ45.00000°,λ97.00000°. NP2:ϕ_s288.00000°,δ45.00000°,λ83.00000°. Principal axes: T Plg85.0000°,Azm113.0000°; N Plg5.0000°,Azm293.0000°; P Plg0.0000° ,Azm203.0000°
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.0km az=113.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=18.4km s-min=14.2km az=90.0.

(71) Near coast of Guatemala

ISC	**VIII**	**28 18 55 18.0–.98**	**13.78N–.09**	**91.02W–.06**	**60–10**		**56**	**1-146**
ISCJB	VIII	28 18 55 16.4–.75	13.78N–.07	91.03W–.06	64–11	3.8b		**¶601755530**
UCR	VIII	28 18 55 18.3–1.2	13.94N	90.87W	76–23	4.0L		
NEIC	VIII	28 18 55 18.2–1.1	13.82N	91.02W	59–12	4.1		
IDC	VIII	28 18 55 18.1–2.6	13.72N	91.05W	62–23	4.0L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=4.5km az=35.1.
UCR Error ellipse: s-maj=21.7km s-min=13.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=21.6km s-min=7.5km az=218.0. Felt [I] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=22.7km s-min=15.9km az=10.0.

(398) Sicily

ISC	**VIII**	**28 23 12 16.0–.42**	**38.28N–.03**	**15.83E–.03**	**49–4**	**4.6b,3.5s**	**854**	**0-126**
ISCJB	VIII	28 23 12 14.7–.12	38.27N–.01	15.92E–.01	53–1	4.5b,3.6s		**¶606362411**

MOS VIII 28 23 12 14.3–.95 38.29N 15.86E 45 4.8b,3.6s
LDG VIII 28 23 12 14.8–.15 38.18N 15.79E 45 3.9L,3.6s
ROM VIII 28 23 12 15.5–.10 38.205N–.01 15.728E–.01 49–1 4.6L,3.6s
NEIC VIII 28 23 12 15.0–.00 38.25N 15.71E 45 4.6L,4.6W
PDG VIII 28 23 12 15.0–.31 38.28N 15.96E 37–4 4.8,4.7L
IDC VIII 28 23 12 16.0–.55 38.32N 15.70E 54–5 4.3,4.2
BEO VIII 28 23 12 17.6–.60 38.58N 16.13E 0 4.7L,4.2
GII VIII 28 23 12 27.6–.00 37.89N 17.77E 1–0 4.7b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.7km az=14.1.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=70.2.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=111.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type fe. Felt [IV] at Bagnara Calabra, Cittanova, Messina, Palmi, Reggio di Calabria, Taurianova and Villa San Giovanni; [III] at Cosenza and Vibo Valentia; [II] at Catania. Felt widely in Calabria and northeastern Sicily. After ROM. Moment Tensor Solution. s23 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.99 $M_{\theta\theta}$7.25 $M_{\phi\phi}$-0.26 $M_{r\theta}$1.97 $M_{\theta\phi}$0.90 $M_{\phi r}$4.34 Best double couple: NP1:ϕ_s239.00000°,δ60.00000°,λ-117.00000°. NP2:ϕ_s104.00000°,δ40.00000°,λ-52.00000°. Principal axes: T 7.8300,Plg11.0000°,Azm348.0000° ; N 1.4000,Plg23.0000°,Azm253.0000°; P -9.2300,Plg64.0000°,Azm101.0000° $M_0$8.60000×10^{15}
PDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=90.0.
IDC Error ellipse: s-maj=10.8km s-min=8.3km az=104.0.
BEO Event type ke.
GII Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**28 23 17 43.3–.97**	**38.89N–.05**	**141.90E–.07**	**53–7**	**4.2b**	**49**	**0-150**
NIED	VIII	28 23 17 00	38.90N	141.90E	53	3.9W		**¶601735794**
ISCJB	VIII	28 23 17 42.3–.65	38.90N–.04	141.92E–.08	60–4	4.1b		
JMA	VIII	28 23 17 43.0–.10	38.92N	141.93E	51–1	3.8		
NEIC	VIII	28 23 17 45.4–.66	38.88N	141.91E	77–5	4.2b		
IDC	VIII	28 23 17 46.1–2.4	38.87N	141.83E	82–19	4.1,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ21.00000°,λ85.00000°. NP2:ϕ_s18.00000°,δ69.00000°,λ92.00000°. $M_0$9.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.7km az=22.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=119.0.
IDC Error ellipse: s-maj=23.0km s-min=18.1km az=107.0.

(95) Windward Islands

ISC	**VIII**	**28 23 27 55.3–.51**	**13.23N–.02**	**60.78W–.03**	**20–3**	**3.6b**	**148**	**0-164**
IDC	VIII	28 23 27 52.3–.77	13.24N	60.90W	0	4.3L,3.9		**¶601643056**
NEIC	VIII	28 23 27 54.4–.00	13.18N	60.74W	13	4.3,4.0b		
TRN	VIII	28 23 27 54.1	13.19N	60.74W	12	4.2,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.7km s-min=15.5km az=80.0.
NEIC Event type fe. Felt on Saint Vincent. After TRN.
TRN Event type fe. Felt in St. Lucia, St. Vincent, Grenada,MMI II, III.

(248) Philippine Islands region

ISC	**VIII**	**29 00 23 37.5–1.5**	**10.05N–.04**	**126.34E–.07**	**31–11**	**3.8b**	**38**	**1-94**
IDC	VIII	29 00 23 32.3–.74	10.21N	126.51E	0	4.5L,4.0		**¶601712941**
NEIC	VIII	29 00 23 37.5–.42	10.16N	126.42E	35	4.2b,4.0		
MAN	VIII	29 00 23 40.7	9.98N	126.13E	20	4.2b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=30.4km s-min=14.6km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=8.3km az=70.0. Felt [II PIVS] at Del Carmen, Siargao Island.

(372) Cyprus region

ISC	**VIII**	**29 03 49 23.3–.00**	**34.82N–.05**	**33.04E–.03**	**13–8**		**33**	**0-3**
ISK	VIII	29 03 49 21.9	34.77N	33.01E	10–0	3.2L		**¶601629779**
ISCJB	VIII	29 03 49 22.8–.66	34.78N–.04	33.05E–.04	11–3	3.2L		
NIC	VIII	29 03 49 23.0–.20	34.81N	33.05E	10	3.3L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.9km az=174.9.
NIC Event type fe. Felt I=II MM at Lemesos.

(101) Venezuela

ISC	**VIII**	**29 05 07 05.0–.51**	**8.70N–.05**	**71.36W–.04**	**8**	**3.9b,3.1s**	**71**	**1-153**
ISCJB	VIII	29 05 07 02.9–.28	8.71N–.03	71.21W–.04	8	3.9b,3.1s		**¶601755547**
IDC	VIII	29 05 07 03.7–.63	8.59N	71.43W	0	4.2,4.1L		
NEIC	VIII	29 05 07 07.3–1.6	8.67N	71.22W	25–12	4.0b,3.8W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.2km az=37.7.
IDC Error ellipse: s-maj=15.5km s-min=9.1km az=165.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.7km az=94.0. Felt at Merida.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 10 19 34.7–2.1**	**36.62N–.04**	**141.30E–.07**	**17–11**	**3.8b**	**30**	**1-57**
IDC	VIII	29 10 19 37.6–2.1	36.65N	141.28E	41–20	3.8,3.7		**¶601755553**
JMA	VIII	29 10 19 38.4–.10	36.64N	141.06E	45–1	3.7,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=11.2km az=83.0.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 12 36 46.7–1.5**	**38.81N–.05**	**142.1E–.10**	**43–14**	**3.6b**	**24**	**0-59**
ISCJB	VIII	29 12 36 46.3–1.0	38.84N–.05	142.1E–.10	53–7	3.6b		**¶606021061**
JMA	VIII	29 12 36 47.6–.10	38.85N	142.05E	46–1	3.5		
IDC	VIII	29 12 36 47.5–2.5	38.81N	142.50E	65–22	3.6,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=6.3km az=18.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=45.4km s-min=15.9km az=96.0.

(14) Kenai Peninsula

ISC	**VIII**	**29 12 50 55.4–.38**	**60.33N–.03**	**150.72W–.03**	**73–3**	**4.3b**	**453**	**1-164**
ISCJB	VIII	29 12 50 53.7–.16	60.40N–.02	150.74W–.03	63–1	4.3b		**¶601643073**
NEIC	VIII	29 12 50 55.0–.00	60.33N	150.74W	66	4.5W,4.4L		
IDC	VIII	29 12 50 56.2–.53	60.50N	150.91W	78–4	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=167.5.
NEIC Event type fe. Felt [III] at Anchorage, Kasilof, Seward, Soldotna and Sterling; [II] at Eagle River, Homer and Kenai. Also felt at Anchor Point, Chugiak, Cooper Landing, Girdwood, Kenai National Wildlife Refuge and Ninilchik. After AEIC. Moment Tensor Solution. s53 Moment tensor: Scale 10^{15}Nm; M_{rr}1.50 $M_{\theta\theta}$-3.34 $M_{\phi\phi}$1.84 $M_{r\theta}$-2.69 $M_{\theta\phi}$-4.53 $M_{\phi r}$3.18 Best double couple: NP1:ϕ_s280.00000°,δ71.00000°,λ149.00000°. NP2:ϕ_s21.00000°,δ60.00000°,λ22.00000°. Principal axes: T 7.3600,Plg35.0000°,Azm238.0000° ; N -1.3000,Plg54.0000°,Azm72.0000°; P -6.0600,Plg7.0000°,Azm333.0000° $M_0$6.80000×10^{15}
IDC Error ellipse: s-maj=14.5km s-min=8.0km az=29.0.

(39) Central California

ISC	**VIII**	**29 13 01 49.5–1.0**	**36.02N–.02**	**118.41W–.02**	**8–9**		**160**	**0-14**
ISCJB	VIII	29 13 01 49.2–.46	35.99N–.01	118.36W–.02	4–3			**¶601653032**
NEIC	VIII	29 13 01 50.0–.00	36.01N	118.40W	4	3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=170.3.
NEIC Event type fe. Felt at Springville. After PAS.

(186) Vanuatu Islands

ISC	**VIII**	**29 13 34 30.2–.38**	**17.65S–.04**	**168.37E–.05**	**104–2**	**5.0b**	**300**	**5-166**
ISCJB	VIII	29 13 34 29.5–1.1	17.65S–.03	168.31E–.03	106–9	4.9b		**¶601643075**
BJI	VIII	29 13 34 29.6	17.83S	168.29E	105	5.1b,4.6b		
MOS	VIII	29 13 34 30.0–1.1	17.64S	168.33E	112	4.9b,4.6b		
NEIC	VIII	29 13 34 30.2–.14	17.61S	168.33E	103	5.1b,4.6b		
IDC	VIII	29 13 34 30.0–.50	17.63S	168.34E	100–4	4.8,4.6		
GCMT	VIII	29 13 34 33.2–.10	17.69S–.01	168.19E–.01	109–0	5.5W,4.6		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Port-Vila.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c191; s126,c256;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.28±.02 $M_{\theta\theta}$1.06±.02; $M_{\phi\phi}$-1.34±.02; $M_{r\theta}$-0.85±.02; $M_{\theta\phi}$1.42±.02; $M_{\phi r}$-0.46±.02; Best double couple: NP1:ϕ_s197.00000°,δ73.00000°,λ159.00000°. NP2:ϕ_s293.00000°,δ70.00000°,λ18.00000°. Principal axes: T 2.2040,Plg27.0000° ,Azm155.0000°; N -0.2080,Plg63.0000°,Azm339.0000°; P -2.0010,Plg2.0000° ,Azm246.0000° $M_0$2.10200×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 16 11 20.5–1.4**	**38.16N–.04**	**141.83E–.09**	**44–13**	**3.7b**	**35**	**0-58**
NIED	VIII	29 16 11 00	38.20N	141.70E	56	3.5W		**¶601755568**
ISCJB	VIII	29 16 11 20.2–.78	38.17N–.04	141.77E–.08	56–6	3.6b		
JMA	VIII	29 16 11 21.3–.10	38.17N	141.71E	51–1	3.7		
IDC	VIII	29 16 11 22.1–3.0	38.21N	141.74E	58–26	3.6,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ26.00000°,λ67.00000°. NP2:ϕ_s31.00000°,δ66.00000°,λ101.00000°. $M_0$2.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.0km az=22.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=20.3km az=114.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 17 40 34.7–.83**	**36.08N–.05**	**140.01E–.06**	**73–6**	**3.8b**	**36**	**0-75**
ISCJB	VIII	29 17 40 33.6–.50	36.08N–.04	140.03E–.06	81–3	3.7b		**¶601755570**
JMA	VIII	29 17 40 35.3–.10	36.08N	140.01E	66–1	3.4		
IDC	VIII	29 17 40 35.1–1.6	36.08N	139.97E	77–13	3.8,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=4.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ61.00000°,λ85.00000°. NP2:ϕ_s193.00000°,δ29.00000°,λ100.00000°. Principal axes: T Plg73.0000°,Azm259.0000° ; N Plg5.0000°,Azm5.0000°; P Plg16.0000°,Azm96.0000°
IDC Error ellipse: s-maj=20.5km s-min=7.8km az=67.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 17 43 20.3–2.0**	**39.12N–.05**	**142.47E–.07**	**11–11**	**4.1b,2.6s**	**37**	**1-76**
NIED	VIII	29 17 43 00	39.20N	142.50E	32	3.9W,2.6s		**¶601755571**
JMA	VIII	29 17 43 22.1–.10	39.18N	142.41E	31–1	4.1,2.6s		
IDC	VIII	29 17 43 27.3–2.7	39.06N	142.39E	71–24	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ16.00000°,λ-131.00000°. NP2:ϕ_s188.00000°,δ78.00000°,λ-79.00000°. $M_0$6.80000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=13.5km az=98.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 19 05 11.5–.32**	**38.45N–.03**	**141.92E–.03**	**56–2**	**5.6b,4.9s**	**2111**	**0-160**
NIED	VIII	29 19 05 00	38.40N	141.90E	59	5.5W,4.9s		**¶601670369**
MOS	VIII	29 19 05 07.5–.81	38.40N	141.81E	32	6.1b,5.0s		
BJI	VIII	29 19 05 08.5	38.43N	141.92E	55	5.4b,5.4b		
NEIC	VIII	29 19 05 11.1–.07	38.43N	141.81E	47	5.8b,5.5W		
ISCJB	VIII	29 19 05 11.9–.19	38.43N–.01	141.83E–.01	67–1	5.4b,5.5W		
JMA	VIII	29 19 05 12.2–.10	38.41N	141.91E	60–1	5.6,5.5W		
GCMT	VIII	29 19 05 12.0–.10	38.45N–.01	141.86E–.01	56–0	5.4W,5.5W		
IDC	VIII	29 19 05 13.2–1.1	38.39N	141.84E	68–9	5.5,5.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ47.00000°,λ65.00000°. NP2:ϕ_s59.00000°,δ49.00000°,λ114.00000°. $M_0$1.76000×10^{17}
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=147.0. Felt [V] at Sendai, [IV] at Fukushima and Furukawa and [II] at Tokyo. Felt in much of northern and east-central Honshu. Recorded [5U JMA] in Fukushima and Miyagi. Also recorded [1 JMA] in southwestern and eastern Hokkaido. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.99 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-1.38 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.93 $M_{\phi r}$-0.65 Best double couple: NP1: ϕ_s53.00000°,δ46.00000°,λ119.00000°. NP2:ϕ_s194.00000°,δ51.00000°,λ64.00000°. Principal axes: T 2.3200,Plg69.0000°,Azm41.0000°; N -0.3100,Plg20.0000°,Azm211.0000° ; P -2.0200,Plg3.0000°,Azm303.0000° $M_0$2.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=154.8.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s61.00000° ,δ70.00000°,λ98.00000°. NP2:ϕ_s218.00000°,δ21.00000°,λ68.00000°. Principal axes: T Plg64.0000°,Azm345.0000°; N Plg8.0000°,Azm239.0000°; P Plg25.0000°,Azm145.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c202; s132,c280; Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$-0.95±.02; $M_{r\theta}$0.56±.02; $M_{\theta\phi}$-0.92±.01; $M_{\phi r}$-0.41±.02; Best double couple: NP1:ϕ_s61.00000°,δ50.00000° ,λ119.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ61.00000°. Principal axes: T 1.8920,Plg69.0000°,Azm39.0000°; N -0.1520,Plg21.0000°,Azm221.0000° ; P -1.7450,Plg1.0000°,Azm131.0000° $M_0$1.81800×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=6.2km az=87.0.

(227) Eastern Honshu

ISC	**VIII**	**29 19 17 40.1–.74**	**36.08N–.05**	**139.83E–.05**	**57–6**	**4.2b**	**60**	**0-153**
NIED	VIII	29 19 17 00	36.20N	139.90E	44	4.2W		**¶606021269**
ISCJB	VIII	29 19 17 38.8–.42	36.10N–.04	139.87E–.05	61–3	4.2b		
IDC	VIII	29 19 17 39.9–1.1	36.08N	139.71E	55–10	4.2,4.1		
JMA	VIII	29 19 17 40.3	36.12N	139.85E	49–1	4.1,4.1		
NEIC	VIII	29 19 17 41.5–.87	36.13N	139.76E	68–7	4.5b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ36.00000°,λ69.00000°. NP2:ϕ_s70.00000°,δ57.00000°,λ104.00000°. $M_0$2.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=6.4km az=0.4.
IDC Error ellipse: s-maj=12.2km s-min=6.8km az=64.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s74.00000°,δ69.00000°,λ93.00000°. NP2:ϕ_s246.00000°,δ21.00000°,λ83.00000°. Principal axes: T Plg66.0000°,Azm349.0000°; N Plg3.0000°,Azm253.0000°; P Plg24.0000° ,Azm162.0000°
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.6km az=130.0. Recorded [2 JMA] in Gumma, Ibaraki, Saitama and Tochigi.

(43) Southern California

ISC	**VIII**	**29 20 30 58.6–1.1**	**33.81N–.02**	**117.81W–.02**	**5–9**		**167**	**0-36**
IDC	VIII	29 20 30 57.9–2.3	33.67N	118.14W	0	3.8,3.5		**¶601643234**
ISCJB	VIII	29 20 30 59.2–.41	33.89N–.01	117.80W–.01	9–3	3.5b,3.5		
NEIC	VIII	29 20 31 00.3–.00	33.91N	117.79W	9	4.1L,3.5		

ISC Event type fe.
IDC Error ellipse: s-maj=33.2km s-min=16.5km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=28.0.
NEIC Event type fe. Felt [IV] at Anaheim, Brea, Chino, Fullerton, Placentia, Villa Park, Whittier and Yorba Linda. Felt throughout the greater Los Angeles area and as far as Indio, Ridgecrest and San Diego. After PAS.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**29 22 35 37.9–1.9**	**39.08N–.04**	**142.40E–.07**	**12–10**	**3.9b**	**36**	**1-73**
NIED	VIII	29 22 35 00	39.20N	142.40E	32	3.9W		**¶601755585**
JMA	VIII	29 22 35 39.3–.10	39.18N	142.39E	31–1	4.1		
IDC	VIII	29 22 35 42.8–1.8	39.04N	142.33E	52–16	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ24.00000°,λ-138.00000°. NP2:ϕ_s184.00000°,δ74.00000°,λ-71.00000°. $M_0$6.92000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=10.6km az=97.0.

(224) Hokkaido region

ISC	**VIII**	**29 23 33 32.5–.00**	**43.16N–.07**	**145.60E–.05**	**99–6**	**3.8b**	**65**	**0-70**
MOS	VIII	29 23 33 30.3–.72	42.99N	145.64E	109	4.0b		**¶603083366**
ISCJB	VIII	29 23 33 31.8–.62	43.19N–.06	145.60E–.05	106–3	3.7b		
JMA	VIII	29 23 33 33.2–.10	43.19N	145.60E	96–1	3.6		
SKHL	VIII	29 23 33 33.5–.20	43.27N	145.60E	105–10	4.9s,4.6b		
IDC	VIII	29 23 33 35.2–4.0	45.56N	144.69E	0	3.8,3.8		

ISC Event type ke.
MOS Error ellipse: s-maj=21.7km s-min=12.1km az=91.4.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.7km az=154.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=79.6km s-min=25.2km az=121.0.

(112) Peru-Brazil border region

ISC	**VIII**	**30 03 01 24.3–.33**	**8.67S–.04**	**74.89W–.05**	**129–2**	**4.8b**	**782**	**4-169**
ISCJB	VIII	30 03 01 23.6–.53	8.56S–.03	74.89W–.03	138–4	4.7b		**¶601645632**
GCMT	VIII	30 03 01 24.3–.30	8.58S–.02	74.98W–.02	150–3	5.0W		
BJI	VIII	30 03 01 24.3	8.80S	75.30W	141	5.1b		
IDC	VIII	30 03 01 24.2–.38	8.65S	75.01W	130–3	4.7,4.4		
NEIC	VIII	30 03 01 25.2–.14	8.63S	74.87W	137	4.8L,4.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=146.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c26; s82,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.13 $M_{\theta\theta}$0.46±.14; $M_{\phi\phi}$1.47±.18; $M_{r\theta}$0.31±.09;

$M_{\theta\theta}$-1.51±.12; $M_{\theta r}$-2.51±.12; Best double couple: NP1:ϕ_s346.00000°,δ71.00000°,λ-70.00000°. NP2:ϕ_s119.00000°,δ27.00000°,λ-134.00000°. Principal axes: T 3.5210,Plg23.0000° ,Azm61.0000°; N -0.2050,Plg18.0000°,Azm160.0000°; P -3.3240,Plg60.0000° ,Azm284.0000° $M_0$3.42300×10^{16}

IDC Error ellipse: s-maj=8.6km s-min=6.8km az=61.0.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=49.0. Felt [II] at Aguaytia, Pucallpa and Tingo Maria. Also felt at Cruzeiro do Sul, Brazil.

(135) Near coast of central Chile

ISC	**VIII**	**30 08 04 40.2–1.0**	**37.25S–.03**	**73.67W–.06**	**31–6**	**4.9b,4.6s**	**619**	**1-178**
IDC	VIII	30 08 04 35.6–.43	37.25S	73.58W	0	4.9,4.8		¶601645642
GUC	VIII	30 08 04 38.4–.41	37.24S	73.86W	40–2	5.2L,5.0W		
NEIC	VIII	30 08 04 40.0–1.5	37.20S	73.40W	23–10	5.1W,5.0b		
GCMT	VIII	30 08 04 40.0–.30	37.34S–.02	74.04W–.03	26–1	5.2W,5.0b		
ISCJB	VIII	30 08 04 40.8–.76	37.13S–.03	73.40W–.07	45–6	4.8b,4.6s		
MOS	VIII	30 08 04 40.4–1.2	37.13S	73.38W	33	5.2b,4.6s		

ISC Event type fe.

IDC Error ellipse: s-maj=18.3km s-min=10.4km az=77.0.

GUC Error ellipse: s-maj=2.8km s-min=4.8km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.6km az=75.0. Felt [V] at Chiguayante, Coronel, La Laja, Penco, San Pedro de la Paz, Talcahuano and Tome; [IV] at Arauco, Canete, Cobquecura, Concepcion, Los Alamos, Quirihue and San Rosendo; [III] at Lebu and Los Angeles; [II] at Rancagua. Also felt at Chillan.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c49; s71,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.64±.22 $M_{\theta\theta}$0.46±.13; $M_{\phi\phi}$-4.10±.17; $M_{r\theta}$-0.39±.24; $M_{\theta\phi}$0.14±.10; $M_{\theta r}$-5.64±.45; Best double couple: NP1:ϕ_s183.00000°,δ73.00000°,λ93.00000°. NP2:ϕ_s352.00000°,δ17.00000°,λ79.00000°. Principal axes: T 6.6380,Plg62.0000° ,Azm98.0000°; N 0.4360,Plg3.0000°,Azm2.0000°; P -7.0700,Plg28.0000°,Azm270.0000° $M_0$6.85400×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.4km az=171.4.

MOS Error ellipse: s-maj=12.7km s-min=6.6km az=92.0.

(2) Southern Alaska

ISC	**VIII**	**30 13 03 04.1–.99**	**61.69N–.03**	**149.45W–.03**	**34–2**		**110**	**0-44**
IDC	VIII	30 13 03 02.2–1.3	61.57N	148.84W	0	4.1,3.8		¶601755619
ISCJB	VIII	30 13 03 03.4–.22	61.69N–.02	149.41W–.04	51–4	3.4b,3.8		
NEIC	VIII	30 13 03 04.9–.00	61.70N	149.45W	37	3.6L,3.8		

ISC Event type fe.

IDC Error ellipse: s-maj=29.1km s-min=12.4km az=99.0.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=16.7.

NEIC Event type fe. Felt [II] at Chugiak, Eagle River, Palmer and Wasilla. Also felt at Anchorage. After AEIC.

(58) Near coast of Guerrero

ISC	**VIII**	**30 15 19 13.2–.86**	**16.46N–.07**	**98.25W–.05**	**15–6**	**4.5b**	**310**	**0-61**
MEX	VIII	30 15 19 13.1–.43	16.25N	98.26W	8–4	4.2		¶601653050
NEIC	VIII	30 15 19 13.1–.00	16.25N	98.26W	8	4.5b,4.2		
IDC	VIII	30 15 19 17.0–8.9	16.63N	97.98W	34–61	4.2,4.0		

ISC Event type fe.

MEX Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.

NEIC Event type fe. Felt [II] at Mexico. Also felt at Pinotepa Nacional. After MEX.

IDC Error ellipse: s-maj=86.6km s-min=26.4km az=31.0.

(162) South Island

ISC	**VIII**	**30 19 38 35.8–1.1**	**44.09S–.04**	**168.89E–.04**	**5–7**	**4.8b,4.2s**	**137**	**0-152**
ISCJB	VIII	30 19 38 34.5–.64	44.03S–.02	168.86E–.03	4–4	4.9b,4.2s		¶601664239
BJI	VIII	30 19 38 34.8	43.84S	169.15E	6	5.5b,5.3s		
NEIC	VIII	30 19 38 35.6–.00	44.10S	168.72E	5	5.3L,4.9b		
IDC	VIII	30 19 38 40.5–2.5	43.70S	169.04E	31–20	4.5L,4.4		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=44.7.

NEIC Event type fe. Felt strongly at Haast and [IV] at Wanaka. Felt widely in the central and southern parts of the South Island. After WEL. Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ70.00000°,λ14.00000°. NP2:ϕ_s67.00000°,δ77.00000°,λ159.00000°. Principal axes: T 1.2600,Plg24.0000°,Azm23.0000°; N 0.0100,Plg66.0000°,Azm216.0000° ; P -1.2700,Plg5.0000°,Azm116.0000°

IDC Error ellipse: s-maj=19.9km s-min=14.5km az=40.0.

(49) Gulf of California

ISC	**VIII**	**30 22 51 39.3–3.4**	**30.59N–.10**	**114.02W–.04**	**17–25**	**3.6s**	**89**	**1-92**
MEX	VIII	30 22 51 35.8–.38	29.79N	114.29W	16–166	4.1		¶601667537
NEIC	VIII	30 22 51 36.6–1.1	30.38N	114.11W	10	4.1,3.9b		
ECX	VIII	30 22 51 39.0–.85	30.61N	114.09W	10	4.1L,3.9		
IDC	VIII	30 22 51 40.1–2.2	30.43N	113.73W	0	3.9,3.8L		

ISC Event type fe.

MEX Error ellipse: s-maj=229.1km s-min=64.8km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=7.3km az=205.0. Felt at Puerto Penasco, Sonora.

ECX Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.

IDC Error ellipse: s-maj=35.2km s-min=12.8km az=30.0.

(105) Near coast of Ecuador

ISC	**VIII**	**30 23 00 32.5–.62**	**3.40S–.08**	**79.74W–.08**	**37**	**4.6b**	**182**	**1-165**
ISCJB	VIII	30 23 00 32.5–.29	3.33S–.03	80.02W–.03	33	4.6b		¶601664244
IGQ	VIII	30 23 00 35.3–2.0	3S–8.0	80W–8.0	9–7	5.0		
NEIC	VIII	30 23 00 39.3–.51	3.01S	79.43W	82–5	4.9L,4.6b		
IDC	VIII	30 23 00 39.4–2.2	3.06S	79.43W	87–22	4.4,4.2		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=140.4.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=62.0. Felt at Cuenca, Machala and Zaruma.

IDC Error ellipse: s-maj=23.1km s-min=14.2km az=51.0.

(13) Kodiak Island region

ISC	**VIII**	**31 03 31 51.4–.78**	**57.73N–.03**	**154.07W–.03**	**58–7**	**3.9b**	**136**	**1-151**
ISCJB	VIII	31 03 31 49.8–.24	57.68N–.02	154.03W–.04	70–3	3.7b		¶601683839
IDC	VIII	31 03 31 50.5–2.1	57.93N	154.29W	42–18	3.8,3.8		
NEIC	VIII	31 03 31 52.5–.00	57.73N	154.12W	38	3.5L,3.8		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=146.7.

IDC Error ellipse: s-maj=23.4km s-min=13.5km az=47.0.

NEIC Event type fe. Felt at Kodiak. After AEIC.

(1) Central Alaska

ISC	**VIII**	**31 04 41 48.1–1.0**	**63.37N–.02**	**144.98W–.02**	**5–8**	**3.5b**	**122**	**0-61**
ISCJB	VIII	31 04 41 48.2–.43	63.39N–.02	144.95W–.04	6–3	4.0s,3.3b		¶601683840
NEIC	VIII	31 04 41 48.6–.00	63.36N	144.99W	6	3.7W,3.5L		
IDC	VIII	31 04 41 49.0–.79	63.56N	144.96W	0	3.9s,3.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=45.0.

NEIC Event type fe. Felt at Tok. After AEIC. Moment Tensor Solution. s45 Moment tensor: Scale 10^{14}Nm; M_{rr}1.15 $M_{\theta\theta}$-3.44 $M_{\phi\phi}$2.29 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.53 $M_{\theta r}$-2.36 Best double couple: NP1: ϕ_s245.00000°,δ66.00000°,λ28.00000°. NP2:ϕ_s143.00000°,δ65.00000°,λ153.00000°. Principal axes: T 4.4700,Plg36.0000°,Azm104.0000°; N -0.6500,Plg54.0000°,Azm283.0000° ; P -3.8200,Plg1.0000°,Azm14.0000° $M_0$4.20000×10^{14}

IDC Error ellipse: s-maj=13.8km s-min=12.2km az=48.0.

(676) Northern Alaska

ISC	**VIII**	**31 05 03 55.3–1.3**	**65.96N–.03**	**147.73W–.03**	**2–9**	**4.0b,3.4s**	**119**	**1-65**
NEIC	VIII	31 05 03 55.6–.00	65.97N	147.76W	13	4.1b,4.0L		¶601736734
IDC	VIII	31 05 03 57.6–1.1	65.93N	147.05W	0	4.0,3.8		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Fairbanks. Also felt at Central and North Pole. After AEIC. Moment Tensor Solution. s35 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.17 $M_{\theta\phi}$-1.15 $M_{\theta r}$0.30 Best double couple: NP1:ϕ_s268.00000°,δ77.00000°,λ-172.00000°. NP2: ϕ_s176.00000°,δ83.00000°,λ-13.00000°. Principal axes: T 1.1400,Plg4.0000°,Azm222.0000° ; N 0.1100,Plg75.0000°,Azm327.0000°; P -1.2500,Plg14.0000°,Azm131.0000° $M_0$1.20000×10^{15}

IDC Error ellipse: s-maj=16.4km s-min=9.3km az=103.0.

(242) Near coast of southeastern China

ISC	**VIII**	**31 05 52 12.1–.47**	**23.70N–.04**	**114.60E–.04**	**10**	**4.0b**	**64**	**1-79**
IDC	VIII	31 05 52 10.3–.81	23.60N	114.46E	0	4.1,4.0		¶601664259
ISCJB	VIII	31 05 52 11.2–.36	23.76N–.04	114.51E–.04	10	4.0b,3.5s		
BJI	VIII	31 05 52 11.2	23.81N	114.67E	6	4.6L,4.5b		
NEIC	VIII	31 05 52 12.6–.43	23.69N	114.48E	10	4.6L,4.3b		

ISC Event type fe.

IDC Error ellipse: s-maj=45.2km s-min=16.7km az=64.0.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.8km az=26.2.

NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.8km az=196.0. Felt at Huizhou, Sha Tin and Sheung Shui.

(127) Chile-Argentina border region

ISC	**VIII**	**31 07 08 09.4–.65**	**34.26S–.04**	**70.40W–.05**	**109–5**	**4.6b**	**267**	**0-175**
SJA	VIII	31 07 08 06.0–.51	34.34S	70.62W	106–57	4.5W,4.4L		¶601664261
ISCJB	VIII	31 07 08 08.6–.31	34.21S–.03	70.25W–.05	113–2	4.6b,4.4L		
GUC	VIII	31 07 08 09.4–.48	34.26S	70.40W	109–3	4.5L,4.4L		
NEIC	VIII	31 07 08 09.0–.00	34.26S	70.40W	109	4.6b,4.5L		
IDC	VIII	31 07 08 10.0–2.7	34.18S	70.26W	110–24	4.5,4.2		

ISC Event type fe.

SJA Error ellipse: s-maj=4.1km s-min=6.0km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.7km az=174.5.

GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.

NEIC Event type fe. Felt [III] at Curico, Lolol, Rancagua, Rengo, San Bernardo, San Fernando, Santa Cruz and Santiago; [II] at Iloca, Pencahue, San Clemente and Talca. Also felt at Donihue, Espejo, Machali and Providencia. After GUC.

IDC Error ellipse: s-maj=19.9km s-min=11.1km az=81.0.

(244) Taiwan

ISC	**VIII**	**31 12 11 40.8–.60**	**24.70N–.01**	**120.89E–.02**	**12–3**	**4.3b,3.5s**	**297**	**0-152**
NIED	VIII	31 12 11 00	24.80N	120.90E	8	4.5W,3.5s		¶601668291
ISCJB	VIII	31 12 11 39.9–.25	24.778N–.01	120.83E–.01	13–1	4.2b,3.6s		
TAP	VIII	31 12 11 39.6	24.72N	120.88E	10–0	5.0L,3.6s		
JMA	VIII	31 12 11 40.2–.10	24.83N	120.90E	24–1	4.6,3.6s		
BJI	VIII	31 12 11 40.1	24.77N	120.84E	15	4.8L,4.6b		
NEIC	VIII	31 12 11 43.5–.97	24.61N	121.07E	32–7	5.0L,4.6b		
IDC	VIII	31 12 11 45.5–3.2	24.71N	121.12E	65–31	3.9,3.8		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ29.00000°,λ43.00000°. NP2:ϕ_s91.00000°,δ71.00000°,λ112.00000°. $M_0$6.30000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=41.2.

TAP B.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=110.0. Felt at Changhua, Miaoli, Taipei, Tanshui and Taoyuan. Recorded [5 TAP] in Miaoli; [3 TAP] in Hsinchu; [2 TAP] in Changhua, Nantou, Taichung, Taipei, Taoyuan, Yilan and Yunlin; [1 TAP] in Chiayi, Hualien and Tainan.

IDC Error ellipse: s-maj=20.4km s-min=12.3km az=68.0.

(244) Taiwan

ISC	**VIII**	**31 12 23 55.0–.75**	**24.73N–.01**	**120.86E–.02**	**13–5**	**3.9b**	**240**	**0-83**
NIED	VIII	31 12 23 00	24.90N	120.90E	8	4.5W		¶601668292
BJI	VIII	31 12 23 53.1	24.72N	120.94E	11	4.4b,4.4L		
ISCJB	VIII	31 12 23 54.4–.26	24.78N–.01	120.82E–.01	13–1	4.0b,4.4L		
TAP	VIII	31 12 23 54.2	24.73N	120.88E	10–0	4.8L,4.4L		
JMA	VIII	31 12 23 54.1–.10	24.85N	120.88E	20–2	4.4,4.4L		
NEIC	VIII	31 12 23 56.3–1.1	24.70N	120.96E	16–8	4.8L,4.8b		
IDC	VIII	31 12 23 58.4–3.7	24.63N	120.98E	50–37	3.8,3.7		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ11.00000°,λ31.00000°. NP2:ϕ_s96.00000°,δ84.00000°,λ100.00000°. $M_0$6.08000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=43.9.

TAP B.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.6km az=114.0. Recorded [4 TAP] in Miaoli; [3 TAP] in Hsinchu; [2 TAP] in Changhua, Taichung, Taipei, Taoyuan and Yilan; [1 TAP] in Hualien, Nantou and Yunlin.

IDC Error ellipse: s-maj=24.2km s-min=13.8km az=63.0.

(248) Philippine Islands region

ISC	**VIII**	**31 12 47 35.5–.30**	**10.81N–.02**	**126.83E–.02**	**44–2**	**7.6s,7.1b**	**3082**	**2-173**
IDC	VIII	31 12 47 29.2–.23	10.75N	126.75E	0	7.4,7.4s		¶601667544
MAN	VIII	31 12 47 31.4	10.92N	127.05E	51	7.6s,7.3b		
MOS	VIII	31 12 47 32.4–.88	10.73N	126.74E	33	7.4s,7.3b		
NEIC	VIII	31 12 47 33.4–.07	10.81N	126.64E	28	7.9,7.6W		
BJI	VIII	31 12 47 33.0	10.77N	126.76E	31	7.5b,7.5s		
ISCJB	VIII	31 12 47 34.7–.28	10.79N–.01	126.69E–.01	49–2	7.5s,7.0b		
NEIC	VIII	31 12 47 34.0–.00	10.93N	126.98E	50	7.5s,7.0b		
DJA	VIII	31 12 47 37.2–.30	11N–2.0	127E–2.0	63–3	8.3,7.8		
KLM	VIII	31 12 47 39.0	10.75N	126.85E	77	7.2b,7.8		
GCMT	VIII	31 12 47 43.4–.10	10.85N–.01	126.97E	45–0	7.6W,7.8		
NEIC	VIII	31 12 47 58.0–.00	10.99N	127.03E	44	7.6W,7.8		

ISC Event type de.

IDC Error ellipse: s-maj=9.1km s-min=6.9km az=68.0.

MOS Error ellipse: s-maj=6.2km s-min=3.6km az=114.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s189.00000°,δ58.00000°,λ91.00000°. NP2: ϕ_s6.00000°,δ32.00000°,λ88.00000°. Principal axes: T Plg77.0000°,Azm103.0000° ; N Plg1.0000°,Azm8.0000°; P Plg13.0000°,Azm278.0000° $M_0$2.80000×10^{20}

NEIC Event type de. Error ellipse: s-maj=2.8km s-min=2.4km az=64.0. One person killed and one injured at Cagayan de Oro, Mindanao. Several roads and bridges damaged and power outages occurred in several towns. A small landslide occurred on Mindanao. A local tsunami with wave heights of 0.03 meters observed at Davao, Mindanao and at Daet and Legaspi City, Luzon. Felt [VII PIVS] at Borongan, General MacArthur, Guiuan, Llorente, Oras and Sulat and [VI PIVS] at San Julian, Samar. Also felt [VII PIVS] at Tacloban and [VI PIVS] at Palo, Leyte. Felt [V PIVS] on Siargao Island. Felt [V PIVS] at Duero, Tagbilaran City and Talibon, Bohol; Panganiban, Catanduanes Island; Cebu City, Cebu; Legaspi City and Sorsogon, Luzon; Barobo, Bislig, Butuan, Carrascal, Cateel, Compostela, Davao, Lingig, Mati and Tandag, Mindanao; Iloilo and Roxas City, Panay. Felt [IV PIVS] at Masbate, Masbate and at Bacolod and Dumaguete, Negros. Felt [III PIVS] at Mambajao, Camiguin Island, at Jordan, Guimaras Island and at Siquijor, Siquijor Island. Felt [III] on Pulau Ternate, Indonesia. Also felt at Koror, Palau. Complex earthquake observed on broadband displacement seismograms, with at least one large event occurring about 3 seconds after a small event. Depth and focal mechanism based on larger event. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$4.40000×10^{20} Moment Tensor Solution. s63 Moment tensor: Scale 10^{20} Nm; M_{rr}2.33 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.21 $M_{\theta r}$-0.42 Best double couple: NP1: ϕ_s189.00000°,δ50.00000°,λ98.00000°. NP2:ϕ_s358.00000°,δ40.00000°,λ81.00000°. Principal axes: T 2.3800,Plg82.0000°,Azm144.0000°; N 0.4200,Plg6.0000°,Azm5.0000° ; P -2.8000,Plg5.0000°,Azm274.0000° $M_0$2.60000×10^{20} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s301.00000°,δ59.00000°,λ30.00000°. NP2: ϕ_s195.00000°,δ65.00000°,λ145.00000°. Principal axes: T Plg42.0000°,Azm156.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm250.0000°

ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=157.5.

NEIC Event type se. Moment Tensor Solution. s100 Moment tensor: Scale 10^{20}Nm; M_{rr}2.69 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-3.16 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.22 $M_{\theta r}$-0.17 Best double couple: NP1:ϕ_s201.00000° ,δ50.00000°,λ114.00000°. NP2:ϕ_s346.00000°,δ46.00000°,λ64.00000°. Principal axes: T 2.9800,Plg71.0000°,Azm177.0000°; N 0.2000,Plg18.0000°,Azm4.0000° ; P -3.1800,Plg2.0000°,Azm273.0000° $M_0$3.10000×10^{20}

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s154,c421; s152,c757; Duration: 15s7 Moment tensor: Scale 10^{20}Nm; M_{rr}2.97±.01 $M_{\theta\theta}$0.53±.01; $M_{\phi\phi}$-3.50±.01; $M_{r\theta}$-0.75±.03; $M_{\theta\phi}$-0.15±.01; $M_{\theta r}$-0.43±.03; Best double couple: NP1:ϕ_s197.00000° ,δ51.00000°,λ110.00000°. NP2:ϕ_s347.00000°,δ43.00000°,λ67.00000°. Principal axes: T 3.2030,Plg74.0000°,Azm168.0000°; N 0.3350,Plg15.0000°,Azm4.0000° ; P -3.5380,Plg4.0000°,Azm273.0000° $M_0$3.37000×10^{20}

NEIC Event type se. Moment Tensor Solution. s181 Moment tensor: Scale 10^{20}Nm; M_{rr}3.25 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-3.48 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.32 $M_{\theta r}$-0.49 Best double couple: NP1:ϕ_s190.00000° ,δ50.00000°,λ97.00000°. NP2:ϕ_s359.00000°,δ41.00000°,λ82.00000°. Principal axes: T 3.3200,Plg83.0000°,Azm147.0000°; N 0.2300,Plg5.0000°,Azm6.0000° ; P -3.5400,Plg4.0000°,Azm275.0000° $M_0$3.40000×10^{20}

(248) Philippine Islands region

ISC	**VIII**	**31 13 14 57.1–.26**	**10.55N–.03**	**126.99E–.04**	**20**	**5.3b**	**433**	**2-168**
BJI	VIII	31 13 14 53.6	10.28N	127.03E	22	5.6b,5.5s		¶601667546
IDC	VIII	31 13 14 54.0–.31	10.49N	126.81E	0	5.2,5.1		
MAN	VIII	31 13 14 54.7	10.72N	127.09E	33	6.7b,6.6s		
ISCJB	VIII	31 13 14 55.8–.15	10.61N–.02	126.94E–.02	20	5.2b,6.6s		
MOS	VIII	31 13 14 57.2–1.3	10.55N	126.92E	33	5.5b,6.6s		
KLM	VIII	31 13 14 57.0	10.71N	127.00E	25	5.6b,6.6s		
NEIC	VIII	31 13 14 59.4–.18	10.56N	126.93E	35	5.3b,6.6s		
DJA	VIII	31 13 15 01.2–.40	11N–3.0	127E–3.0	50–4	6.2,5.9		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt at Butuan, Mindanao and at Catbalogan, Samar.

(248) Philippine Islands region

ISC	**VIII**	**31 13 27 30.2–.64**	**10.56N–.03**	**126.95E–.04**	**23–4**	**5.2b**	**495**	**2-168**
MAN	VIII	31 13 27 21.7	10.83N	127.18E	108	6.5b,6.3s		**¶601833316**
BJI	VIII	31 13 27 25.6	10.01N	127.12E	35	5.5b,5.4s		
IDC	VIII	31 13 27 26.1–.32	10.67N	127.22E	0	5.1,5.1		
KLM	VIII	31 13 27 28.0	10.40N	127.06E	0	5.7b,5.1		
ISCJB	VIII	31 13 27 28.9–1.1	10.58N–.02	126.92E–.02	23–8	5.4s,5.2b		
MOS	VIII	31 13 27 29.0–2.0	10.58N	126.98E	31	5.5b,5.2b		
DJA	VIII	31 13 27 31.8–.70	11N–3.0	127E–2.0	35–5	6.4,6.3b		
NEIC	VIII	31 13 27 32.0–.21	10.49N	126.89E	35	5.4b,6.3b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=13.6km s-min=8.3km az=75.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.1km s-min=3.5km az=170.5.							
MOS	Error ellipse: s-maj=10.0km s-min=4.9km az=116.5.							
NEIC	Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=90.0. Felt at Cebu City and Talisay, Cebu and at Cagayan de Oro, Mindanao.							
	(248) Philippine Islands region							
ISC	**VIII**	**31 13 40 33.3–.98**	**10.48N–.05**	**126.82E–.06**	**40–9**	**5.0b**	**230**	**3-146**
BJI	VIII	31 13 40 26.2	10.19N	126.88E	21	5.5s,5.3		**¶601667552**
IDC	VIII	31 13 40 27.6–.36	10.48N	126.77E	0	4.9,4.9		
ISCJB	VIII	31 13 40 30.8–.21	10.49N–.03	126.88E–.04	33	5.0b,4.9		
MOS	VIII	31 13 40 31.0–1.1	10.54N	126.72E	32	5.5b,4.9		
NEIC	VIII	31 13 40 32.7–.20	10.48N	126.80E	35	4.9b,4.9		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=15.3km s-min=9.0km az=76.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=175.7.							
MOS	Error ellipse: s-maj=11.2km s-min=5.4km az=113.1.							
NEIC	Event type fe. Error ellipse: s-maj=8.3km s-min=4.5km az=89.0. Felt at Barra and Bislig, Mindanao and at Bacolod, Negros.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**31 14 26 30.9–.91**	**36.90N–.03**	**140.62E–.04**	**11–5**	**4.2b**	**87**	**0-147**
IDC	VIII	31 14 26 29.3–.54	36.91N	140.59E	0	5.6,5.4s		**¶606022037**
ISCJB	VIII	31 14 26 30.4–.43	36.90N–.02	140.70E–.04	21–2	5.4s,4.2b		
JMA	VIII	31 14 26 30.8	36.90N	140.66E	7–1	4.4,4.2b		
NEIC	VIII	31 14 26 34.2–1.6	36.90N	140.60E	33–11	4.1b,4.2b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=14.1km s-min=11.9km az=118.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=24.0.							
JMA	Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s222.00000°,δ47.00000°,λ-105.00000°. NP2:ϕ_s64.00000°,δ45.00000°,λ-74.00000°. Principal axes: T Plg1.0000°,Azm323.0000°; N Plg11.0000°,Azm233.0000°; P Plg79.0000° ,Azm58.0000°							
NEIC	Event type fe. Error ellipse: s-maj=7.0km s-min=5.0km az=120.0. Recorded [3 JMA] in Fukushima.							
	(228) Near east coast of eastern Honshu							
ISC	**VIII**	**31 15 31 22.6–.94**	**37.18N–.03**	**141.37E–.04**	**19–3**	**4.4b**	**123**	**0-149**
IDC	VIII	31 15 31 19.6–.46	37.19N	141.30E	0	4.4,4.3		**¶601755723**
ISCJB	VIII	31 15 31 20.7–.77	37.15N–.02	141.45E–.04	20–5	4.2b,4.3		
JMA	VIII	31 15 31 21.7–.10	37.18N	141.38E	29–1	4.6,4.3		
NEIC	VIII	31 15 31 24.7–.24	37.16N	141.42E	35	4.5b,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=13.6km s-min=10.7km az=113.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=19.3.							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=140.0. Recorded [2 JMA] in Fukushima.							
	(460) Wyoming							
ISC	**VIII**	**31 18 06 14.8–.88**	**43.79N–.05**	**105.33W–.05**	**0**		**17**	**1-20**
ISCJB	VIII	31 18 06 13.8–.56	43.79N–.06	105.33W–.07	0			**¶601755769**
NEIC	VIII	31 18 06 15.9–.68	43.74N	105.25W	0	3.2L		
IDC	VIII	31 18 06 15.2–1.1	43.70N	105.44W	0	3.5,3.3		
ISC	Event type sm.							
ISCJB	Event type fm. Error ellipse: s-maj=8.3km s-min=7.1km az=151.3.							
NEIC	Event type fm. Error ellipse: s-maj=10.2km s-min=9.1km az=141.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.							
IDC	Error ellipse: s-maj=23.5km s-min=9.4km az=153.0.							
	(248) Philippine Islands region							
ISC	**VIII**	**31 21 22 29.3–.85**	**10.68N–.03**	**126.79E–.04**	**27–5**	**4.8b,3.9s**	**242**	**2-146**
IDC	VIII	31 21 22 24.7–.37	10.55N	126.58E	0	4.6,4.5		**¶601668310**
MAN	VIII	31 21 22 26.4	10.79N	126.92E	33	5.5b,4.8s		
ISCJB	VIII	31 21 22 27.8–.96	10.65N–.02	126.82E–.03	29–7	4.7b,3.9s		
BJI	VIII	31 21 22 28.2	10.48N	126.77E	44	5.1b,4.7b		
DJA	VIII	31 21 22 29.5–1.8	11N–4.0	127E–4.0	15–12	5.3b,4.8b		
NEIC	VIII	31 21 22 31.2–.47	10.57N	126.69E	44–4	4.9b,4.8b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=16.6km s-min=9.0km az=73.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=159.2.							
NEIC	Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=79.0. Felt at Dumaguete, Negros.							
	(248) Philippine Islands region							
ISC	**VIII**	**31 22 01 20.8–.31**	**11.01N–.03**	**126.88E–.04**	**38–1**	**4.9b,4.0s**	**610**	**2-173**
IDC	VIII	31 22 01 14.9–.28	11.01N	126.78E	0	4.8,4.8		**¶601668316**
DJA	VIII	31 22 01 15.2–.70	11N–4.0	127E–4.0	12–3	5.6,5.4b		
ISCJB	VIII	31 22 01 16.9–.80	11.04N–.02	126.86E–.02	22–5	4.9b,4.0s		
MAN	VIII	31 22 01 16.5	11.13N	126.88E	65	5.4b,4.5s		
MOS	VIII	31 22 01 17.8–.99	10.97N	126.81E	32	5.1b,4.5s		
BJI	VIII	31 22 01 17.3	10.87N	127.03E	38	5.0b,4.9b		
NEIC	VIII	31 22 01 20.2–.13	10.98N	126.87E	35	5.1b,4.9b		
KLM	VIII	31 22 01 22.0	11.00N	127.02E	50	5.1b,4.9b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=12.3km s-min=7.6km az=78.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=176.6.							
MOS	Error ellipse: s-maj=9.2km s-min=5.1km az=116.2.							
NEIC	Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=89.0. Felt at Maasin, Merida and Ormoc, Leyte.							
	(248) Philippine Islands region							
ISC	**VIII**	**31 23 37 58.3–.19**	**10.41N–.03**	**126.78E–.04**	**39–2**	**5.6b,5.1s**	**1107**	**2-173**
IDC	VIII	31 23 37 52.0–.27	10.38N	126.75E	0	5.2,5.2b		**¶601755815**
ISCJB	VIII	31 23 37 54.7–.58	10.40N–.01	126.77E–.02	26–4	5.5b,5.1s		
MAN	VIII	31 23 37 54.7	10.52N	126.88E	32	6.2b,5.8s		
MOS	VIII	31 23 37 55.9–1.0	10.40N	126.74E	34	5.8b,5.0s		
BJI	VIII	31 23 37 56.1	10.36N	126.77E	41	5.6b,5.5s		
KLM	VIII	31 23 37 56.0	10.61N	127.28E	54	5.9b,5.5s		
DJA	VIII	31 23 37 57.0–.50	10N–2.0	127E–2.0	35–5	6.0b,6.0		
GCMT	VIII	31 23 37 58.3–.20	10.45N–.02	126.99E–.01	13–0	5.6W,6.0		
NEIC	VIII	31 23 37 58.4–.42	10.39N	126.72E	40–3	5.7b,5.1s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=10.5km s-min=7.2km az=74.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=177.4.							
MOS	Error ellipse: s-maj=7.5km s-min=4.2km az=114.1.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c72; s137,c261;Duration: 1$\hat{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.10 $M_{\theta\theta}$0.62±.05; $M_{\phi\phi}$2.30±.07; $M_{r\theta}$0.07±.19; $M_{\theta\phi}$-0.77±.03; $M_{\theta r}$-1.37±.16; Best double couple: NP1:ϕ_s346.00000°,δ58.00000°,λ-83.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ-101.00000°. Principal axes: T 2.8910,Plg13.0000° ,Azm71.0000°; N 0.3730,Plg6.0000°,Azm162.0000°; P -3.2620,Plg76.0000°,Azm277.0000° $M_0$3.07600×10^{17}							
NEIC	Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=83.0. Felt [I PIVS] at Surigao, Mindanao. Also felt at Davao.							
	(248) Philippine Islands region							
ISC	**IX**	**01 00 25 04.0–.54**	**10.24N–.03**	**126.56E–.04**	**47–4**	**5.2b,4.8s**	**799**	**2-170**
BJI	IX	01 00 24 57.9	9.87N	126.56E	36	5.4b,5.0b		**¶601668326**
MAN	IX	01 00 24 58.1	10.33N	126.62E	1	5.9b,5.3s		
IDC	IX	01 00 25 00.6–1.9	10.20N	126.37E	20–11	4.9,4.8		
MOS	IX	01 00 25 01.5–1.2	10.23N	126.36E	37	5.4b,4.8		
DJA	IX	01 00 25 01.2–.40	11N–3.0	127E–3.0	44–3	6.1,5.8b		
ISCJB	IX	01 00 25 03.0–.40	10.26N–.02	126.45E–.03	52–3	5.1b,4.7s		
NEIC	IX	01 00 25 02.7–.11	10.23N	126.45E	35	5.3b,4.7s		
GCMT	IX	01 00 25 03.7–.40	10.23N–.04	126.63E–.02	24–1	5.4W,4.7s		
KLM	IX	01 00 25 06.0	10.22N	126.65E	70	5.3b,4.7s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=12.0km s-min=7.7km az=71.0.							
MOS	Error ellipse: s-maj=9.5km s-min=4.1km az=120.5.							
ISCJB	Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=174.5.							
NEIC	Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=83.0. Felt [II PIVS] at Tandag, Mindanao. Also felt at Claveria and Surigao.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s69,c97;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.12 $M_{\theta\theta}$-0.36±.06; $M_{\phi\phi}$-1.11±.07; $M_{r\theta}$0.19±.09; $M_{\theta\phi}$0.06±.03; $M_{\theta r}$0.39±.06; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ98.00000°. NP2:ϕ_s171.00000°,δ37.00000°,λ80.00000°. Principal axes: T 1.5460,Plg80.0000° ,Azm305.0000°; N -0.3750,Plg6.0000°,Azm179.0000°; P -1.1680,Plg8.0000°,Azm88.0000° $M_0$1.35700×10^{17}							
	(248) Philippine Islands region							
ISC	**IX**	**01 01 16 07.0–.22**	**10.52N–.03**	**126.84E–.04**	**20**	**5.4b,5.0s**	**734**	**2-170**
IDC	IX	01 01 16 04.0–.33	10.51N	126.67E	0	4.9,4.9b		**¶601668328**
BJI	IX	01 01 16 03.7	10.12N	127.00E	37	5.4b,5.2s		
MAN	IX	01 01 16 06.0	10.61N	126.76E	8	5.3b,4.5s		
ISCJB	IX	01 01 16 05.3–.13	10.54N–.02	126.79E–.02	20	5.3b,5.1s		
MOS	IX	01 01 16 07.6–1.1	10.50N	126.67E	36	5.7b,4.9s		
NEIC	IX	01 01 16 08.8–.11	10.45N	126.68E	35	5.5b,4.9s		
DJA	IX	01 01 16 09.7–.50	11N–3.0	127E–3.0	39–5	6.2,6.0b		
KLM	IX	01 01 16 19.0	10.74N	127.18E	181	5.7b,6.0b		
GCMT	IX	01 01 16 21.8–.20	10.54N–.02	126.99E–.01	12	5.4W,6.0b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt at Cebu City, Cebu and at Surigao, Mindanao.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c80; s128,c243;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.70±.03 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$1.37±.03; $M_{r\theta}$-0.00±.11; $M_{\theta\phi}$-0.44±.02; $M_{\theta r}$-0.79±.09; Best double couple: NP1:ϕ_s348.00000°,δ58.00000°,λ-82.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ-102.00000°. Principal axes: T 1.6940,Plg12.0000° ,Azm72.0000°; N 0.2100,Plg7.0000°,Azm164.0000°; P -1.8960,Plg76.0000°,Azm281.0000° $M_0$1.79500×10^{17}							
	(99) Northern Colombia							
ISC	**IX**	**01 05 09 45.8–.23**	**6.79N–.03**	**73.04W–.03**	**165–1**	**5.0b**	**1699**	**0-171**
MOS	IX	01 05 09 43.0–1.0	6.82N	72.92W	149	4.8b		**¶601668339**
ISCJB	IX	01 05 09 44.4–.16	6.74N–.02	72.99W–.01	165–1	5.0b		
IDC	IX	01 05 09 45.5–.32	6.78N	72.92W	163–2	5.0,4.7		
NEIC	IX	01 05 09 45.6–.10	6.72N	72.92W	164	5.1b,4.7		
RSNC	IX	01 05 09 46.5–.98	6.83N	73.16W	154–4	5.4W,5.3L		
GCMT	IX	01 05 09 48.7–.40	6.86N–.03	73.12W–.03	164–4	5.1W,5.3L		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [III] at Bogota, Bucaramanga, Medellin and Pereira. Also felt at Carmen de Viboral, Cepita, Envigado, Facatativa, Floridablanca, Manizales, Ocana, Pasca, Pinalito, San Rafael and Sogamoso. Felt at San Cristobal, Venezuela.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s69,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.28 $M_{\theta\theta}$1.66±.28; $M_{\phi\phi}$-4.25±.32; $M_{r\theta}$2.53±.19; $M_{\theta\phi}$-1.65±.25; $M_{\theta r}$-2.65±.22; Best double couple: NP1:ϕ_s159.00000°,δ71.00000°,λ50.00000°. NP2:ϕ_s48.00000°,δ43.00000°,λ151.00000°. Principal axes: T 5.6700,Plg48.0000° ,Azm27.0000°; N -0.4120,Plg37.0000°,Azm175.0000°; P -5.2490,Plg16.0000° ,Azm277.0000° $M_0$5.45900×10^{16}							
	(243) Taiwan region							
ISC	**IX**	**01 05 58 46.7–.92**	**24.32N–.03**	**122.97E–.02**	**44–6**		**177**	**0-49**
ISCJB	IX	01 05 58 46.0–.24	24.33N–.02	122.96E–.01	50–4	3.6b		**¶601862700**
IDC	IX	01 05 58 46.1–3.6	23.79N	123.80E	0	3.7,3.6		
JMA	IX	01 05 58 46.4–.10	24.36N	122.98E	49–1	3.5,3.6		
TAP	IX	01 05 58 46.3	24.33N	122.93E	44–0	4.1L,3.6		
ISC	Event type ke.							
ISCJB	Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=171.3.							
IDC	Error ellipse: s-maj=114.4km s-min=30.4km az=108.0.							
JMA	Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.							
TAP	C.							
	(71) Near coast of Guatemala							
ISC	**IX**	**01 06 05 54.9–1.1**	**13.18N–.06**	**90.33W–.06**	**62–10**	**4.1b**	**228**	**1-147**
UCR	IX	01 06 05 50.5–.98	13.12N	90.42W	9–7	4.3L,4.1b		**¶601684022**
ISCJB	IX	01 06 05 53.8–.53	13.11N–.03	90.22W–.04	67–4	4.0b,4.1b		
NEIC	IX	01 06 05 53.6–.51	13.22N	90.21W	35	4.4,4.1b		
IDC	IX	01 06 05 57.0–1.8	13.59N	89.84W	75–15	3.9,3.8		
ISC	Event type fe.							
UCR	Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.							
ISCJB	Event type fe. Error ellipse: s-maj=7.3km s-min=4.4km az=147.4.							
NEIC	Event type fe. Error ellipse: s-maj=9.6km s-min=5.9km az=202.0. Felt [I] at Ahuachapan.							
IDC	Error ellipse: s-maj=31.1km s-min=11.2km az=47.0.							
	(248) Philippine Islands region							
ISC	**IX**	**01 08 13 16.9–.26**	**10.37N–.03**	**126.92E–.05**	**39–2**	**5.0b**	**420**	**2-164**
IDC	IX	01 08 13 10.9–.32	10.35N	126.86E	0	4.8,4.7		**¶601668347**
MAN	IX	01 08 13 12.7	10.47N	127.04E	76	5.5b,4.8s		
BJI	IX	01 08 13 13.8	10.16N	126.91E	37	5.1b,5.0b		
ISCJB	IX	01 08 13 14.1–.98	10.41N–.02	126.93E–.02	30–7	4.9b,4.2s		
MOS	IX	01 08 13 14.8–1.1	10.28N	126.81E	39	5.4b,4.2s		
NEIC	IX	01 08 13 16.4–.15	10.36N	126.88E	35	5.0b,4.2s		
GCMT	IX	01 08 13 18.4–.30	10.52N–.02	126.90E–.03	18–1	5.1W,4.2s		
KLM	IX	01 08 13 18.0	10.28N	127.19E	64	5.1b,4.2s		
DJA	IX	01 08 13 19.9–1.5	10N–6.0	127E–7.0	62–13	5.5b,5.0b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt at Surigao, Mindanao.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s96,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.96±.31 $M_{\theta\theta}$2.28±.17; $M_{\phi\phi}$2.68±.19; $M_{r\theta}$2.13±.41; $M_{\theta\phi}$-1.85±.09; $M_{\theta r}$0.07±.39; Best double couple: NP1:ϕ_s302.00000°,δ55.00000°,λ-107.00000°. NP2:ϕ_s151.00000°,δ38.00000°,λ-67.00000°. Principal axes: T 4.5540,Plg9.0000° ,Azm44.0000°; N 1.0250,Plg14.0000°,Azm312.0000°; P -5.5790,Plg73.0000°,Azm166.0000° $M_0$5.06600×10^{16}							
	(122) Near coast of northern Chile							
ISC	**IX**	**01 10 38 39.3–.45**	**27.25S–.03**	**71.25W–.06**	**29–3**	**5.0b,4.2s**	**627**	**1-178**
ISCJB	IX	01 10 38 37.6–.14	27.20S–.02	71.02W–.05	29	4.9b,4.2s		**¶601670020**
MOS	IX	01 10 38 37.0–1.2	27.26S	71.20W	24	5.1b,4.2s		
NEIC	IX	01 10 38 39.2–.15	27.24S	71.11W	28	5.0L,5.0b		
IDC	IX	01 10 38 39.9–4.1	27.31S	71.18W	33–30	4.5,4.4		
GUC	IX	01 10 38 40.6–.64	27.44S	71.16W	64–20	5.0L,4.4		
BJI	IX	01 10 38 40.5	27.20S	71.10W	28	5.0b,5.0s		
GCMT	IX	01 10 38 42.2–.20	27.46S–.02	71.57W–.02	49–3	5.1W,5.0s		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [V] at Copiapo; [IV] at Caldera, Chanaral and Tierra Amarilla; [III] at Vallenar.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c41; s95,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64±.25 $M_{\theta\theta}$1.84±.16; $M_{\phi\phi}$-2.47±.20; $M_{r\theta}$-1.38±.11; $M_{\theta\phi}$1.42±.12; $M_{\theta r}$-4.78±.27; Best double couple: NP1:ϕ_s199.00000°,δ85.00000°,λ116.00000°. NP2:ϕ_s298.00000°,δ26.00000°,λ10.00000°. Principal axes: T 5.2340,Plg44.0000° ,Azm134.0000°; N 0.7310,Plg25.0000°,Azm17.0000°; P -5.9580,Plg35.0000°,Azm267.0000° $M_0$5.59600×10^{16}							
	(76) Off coast of central America							
ISC	**IX**	**01 15 54 43.0–1.1**	**12.59N–.06**	**88.30W–.04**	**52–9**	**4.2b,3.8s**	**267**	**1-148**
IDC	IX	01 15 54 35.4–.71	12.83N	87.61W	0	4.3,4.1b		**¶601676529**
ISCJB	IX	01 15 54 41.6–.39	12.50N–.03	88.33W–.03	56–2	4.2b,3.7s		
NEIC	IX	01 15 54 41.0–.40	12.46N	88.35W	35	4.4,4.4b		
UCR	IX	01 15 54 42.6–1.6	12.58N	88.31W	34–14	4.4b,4.3L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=36.4km s-min=15.6km az=53.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.7km s-min=2.9km az=34.5.							
NEIC	Event type fe. Error ellipse: s-maj=9.4km s-min=4.8km az=36.0. Felt [I] at San Salvador. Also felt at San Vicente.							
UCR	Error ellipse: s-maj=6.0km s-min=4.6km az=-1.0.							
	(163) Cook Strait							
ISC	**IX**	**01 16 10 42.3–.83**	**41.50S–.03**	**175.06E–.03**	**32–5**		**174**	**0-148**
IDC	IX	01 16 10 38.3–2.9	41.33S	175.00E	0	3.9,3.9b		**¶601670433**
ISCJB	IX	01 16 10 41.4–.32	41.60S–.03	175.15E–.05	48–4	3.8b,3.9b		
NEIC	IX	01 16 10 43.4–.00	41.42S	175.00E	26	4.0L,3.9b		

WEL IX 01 16 10 43.2 41.4S–.50 175.0E–.30 24–0 4.2L,3.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Wellington. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(228) Near east coast of eastern Honshu

JMA	**IX**	**01 16 38 15.9–.10**	**35.74N**	**140.94E**	**12–1**	**3.5**		**¶606022588**

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(248) Philippine Islands region

ISC	**IX**	**01 17 26 42.0–.70**	**10.65N–.03**	**126.92E–.05**	**32–4**	**4.8b,3.4s**	**286**	**2-152**
IDC	IX	01 17 26 37.4–.39	10.54N	126.79E	0	4.5,4.4b		¶601670032
MOS	IX	01 17 26 40.5–1.1	10.52N	126.81E	33	5.1b,4.4b		
NEIC	IX	01 17 26 40.4–1.9	10.55N	126.85E	23–13	4.9b,4.4b		
ISCJB	IX	01 17 26 40.6–.57	10.62N–.02	126.87E–.03	33–5	4.7b,3.5s		
MAN	IX	01 17 26 42.0	10.68N	126.75E	46	5.4b,4.6s		
BJI	IX	01 17 26 41.0	10.68N	126.83E	29	4.8b,4.6b		
DJA	IX	01 17 26 55.8–.60	10N–5.0	127E–4.0	60–6	5.2b,5.0		

ISC Event type fe.
NEIC Event type fe. Felt at Burgos, Mindanao.
ISCJB Event type fe.

(227) Eastern Honshu

ISC	**IX**	**01 17 45 42.1–.88**	**37.81N–.02**	**140.00E–.02**	**11–5**	**4.5b,4.1s**	**164**	**0-147**
NIED	IX	01 17 45 00	37.80N	140.00E	5	4.1W,4.1s		¶606022627
IDC	IX	01 17 45 40.3–.56	37.81N	139.93E	0	4.3,4.0		
ISCJB	IX	01 17 45 41.1–.56	37.82N–.02	140.01E–.02	14–3	4.5b,3.9s		
JMA	IX	01 17 45 41.3	37.80N	140.00E	9–1	4.1,3.9s		
BJI	IX	01 17 45 42.9	37.67N	140.06E	34	4.7b,4.5b		
MOS	IX	01 17 45 43.6–1.0	37.84N	140.00E	33	4.4b,4.5b		
NEIC	IX	01 17 45 45.5–.51	37.82N	139.93E	36–5	4.6b,4.5b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S27.00000°,δ26.00000°,λ110.00000°. NP2:ϕ_S185.00000°,δ65.00000°,λ81.00000°. $M_0$1.43000×10^{15}
IDC Error ellipse: s-maj=17.9km s-min=13.3km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=44.0.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S41.00000°,δ73.00000°,λ146.00000°. NP2:ϕ_S142.00000°,δ58.00000°,λ20.00000°. Principal axes: T Plg36.0000°,Azm357.0000°; N Plg52.0000°,Azm197.0000°; P Plg10.0000°,Azm94.0000°
MOS Error ellipse: s-maj=10.4km s-min=7.0km az=72.7.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=129.0. Recorded [2 JMA] in Fukushima and Yamagata.

(61) Chiapas

ISC	**IX**	**01 18 01 48.4–.26**	**16.32N–.03**	**92.63W–.03**	**251–1**	**5.0b**	**1956**	**0-160**
MOS	IX	01 18 01 47.6–.94	16.43N	92.46W	249	5.0b		¶601670036
UCR	IX	01 18 01 47.7–3.0	16.78N	92.47W	237–21	5.3b,4.5L		
BJI	IX	01 18 01 47.0	16.40N	92.40W	232	5.1b,4.5L		
ISCJB	IX	01 18 01 48.7–.18	16.42N–.01	92.48W–.01	263–1	4.9b,4.5L		
MEX	IX	01 18 01 48.2–.67	16.23N	92.77W	257–4	5.4,4.5L		
NEIC	IX	01 18 01 48.2–.00	16.23N	92.77W	257	5.5W,5.4		
IDC	IX	01 18 01 49.0–.40	16.43N	92.37W	250–3	5.1,4.6		
GCMT	IX	01 18 01 50.2–.10	16.42N–.01	92.61W–.01	251–0	5.5W,4.6		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Venustiano Carranza. After MEX. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.31 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.37 $M_{\theta\phi}$0.16 $M_{\phi r}$-2.10 Best double couple: NP1:ϕ_S170.00000°,δ86.00000°,λ93.00000°. NP2:ϕ_S317.00000°,δ5.00000°,λ57.00000°. Principal axes: T 2.1500,Plg49.0000°,Azm83.0000°; N 0.0200,Plg3.0000°,Azm350.0000°; P -2.1700,Plg41.0000°,Azm257.0000° $M_0$2.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c192; s126,c210;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-0.28±.03; $M_{\phi\phi}$0.28±.03; $M_{r\theta}$0.37±.02; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$-2.06±.02; Best double couple: NP1:ϕ_S350.00000°,δ88.00000°,λ-90.00000°. NP2:ϕ_S172.00000°,δ2.00000°,λ-87.00000°. Principal axes: T 2.2470,Plg43.0000°,Azm80.0000°; N -0.2960,Plg0.0000°,Azm350.0000°; P -1.9510,Plg47.0000°,Azm260.0000° $M_0$2.09900×10^{17}

(227) Eastern Honshu

ISC	**IX**	**01 18 47 47.7–1.1**	**37.75N–.03**	**140.05E–.03**	**6–10**		**30**	**0-61**
ISCJB	IX	01 18 47 47.8–.42	37.79N–.02	140.02E–.03	10–4	3.7s,3.5b		¶601862738
IDC	IX	01 18 47 47.6–1.7	37.69N	140.14E	0	3.6,3.6		
JMA	IX	01 18 47 48.1	37.79N	140.00E	8–1	3.2,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=31.1.
IDC Error ellipse: s-maj=35.5km s-min=26.2km az=125.0.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S23.00000°,δ60.00000°,λ115.00000°. NP2:ϕ_S159.00000°,δ38.00000°,λ53.00000°. Principal axes: T Plg65.0000°,Azm338.0000°; N Plg22.0000°,Azm190.0000°; P Plg12.0000°,Azm95.0000°

(228) Near east coast of eastern Honshu

ISC	**IX**	**02 02 14 47.1–.92**	**36.59N–.05**	**141.37E–.08**	**20–6**	**4.0b**	**36**	**1-147**
NIED	IX	02 02 14 00	36.60N	141.30E	38	3.8W		¶601862758
JMA	IX	02 02 14 49.9–.10	36.62N	141.32E	46–2	3.7		
IDC	IX	02 02 14 51.1–3.0	36.50N	141.44E	58–26	3.9,3.9L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S232.00000°,δ35.00000°,λ-78.00000°. NP2:ϕ_S37.00000°,δ55.00000°,λ-99.00000°. $M_0$6.30000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.5km s-min=11.1km az=61.0.

(229) Off east coast of Honshu

ISC	**IX**	**02 03 42 44.3–.43**	**39.52N–.04**	**143.64E–.04**	**11**	**4.7b,4.1s**	**284**	**1-96**
NIED	IX	02 03 42 00	39.60N	143.60E	23	4.5W,4.1s		¶601672856
ISCJB	IX	02 03 42 43.7–.25	39.61N–.03	143.53E–.03	11	4.5b,4.1s		
IDC	IX	02 03 42 43.2–.56	39.51N	143.51E	0	4.4,4.3		
JMA	IX	02 03 42 43.7–.20	39.60N	143.65E	23	4.6,4.3		
BJI	IX	02 03 42 44.6	39.59N	143.35E	17	4.9b,4.8b		
MOS	IX	02 03 42 46.4–.98	39.73N	143.41E	24	4.9b,4.0s		
NEIC	IX	02 03 42 46.1–1.7	39.57N	143.48E	17–10	4.6b,4.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S193.00000°,δ27.00000°,λ77.00000°. NP2:ϕ_S28.00000°,δ64.00000°,λ97.00000°. $M_0$5.78000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=44.8.
IDC Error ellipse: s-maj=14.5km s-min=11.3km az=130.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=103.1.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=126.0. Recorded [1 JMA] in Miyagi.

(228) Near east coast of eastern Honshu

ISC	**IX**	**02 04 33 45.8–.73**	**36.52N–.04**	**140.79E–.06**	**54–6**	**3.9b**	**47**	**0-91**
NIED	IX	02 04 33 00	36.50N	140.70E	56	4.0W		¶601671978
ISCJB	IX	02 04 33 44.8–.45	36.50N–.03	140.76E–.06	60–3	3.9b		
JMA	IX	02 04 33 46.1–.10	36.52N	140.70E	54–1	3.9		
IDC	IX	02 04 33 47.1–1.8	36.48N	140.63E	66–16	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S195.00000°,δ25.00000°,λ93.00000°. NP2:ϕ_S12.00000°,δ65.00000°,λ89.00000°. $M_0$1.03000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.1km az=21.6.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S5.00000°,δ70.00000°,λ84.00000°. NP2:ϕ_S202.00000°,δ20.00000°,λ106.00000°. Principal axes: T Plg64.0000°,Azm266.0000°; N Plg6.0000°,Azm7.0000°; P Plg25.0000°,Azm100.0000°
IDC Error ellipse: s-maj=19.8km s-min=10.4km az=82.0.

(710) Pakistan

ISC	**IX**	**02 05 48 37.8–.37**	**29.51N–.05**	**68.02E–.04**	**24**	**4.5b,3.6s**	**211**	**5-99**
IDC	IX	02 05 48 34.4–.55	29.54N	67.95E	0	4.5L,4.2		¶601670436
ISCJB	IX	02 05 48 35.6–.20	29.49N–.03	68.09E–.02	24	4.4b,3.6s		
NEIC	IX	02 05 48 35.8–.22	29.53N	67.91E	10	4.5b,3.6s		
MOS	IX	02 05 48 38.0–1.1	29.64N	67.99E	33	4.6b,3.6s		
BJI	IX	02 05 48 40.9	29.91N	68.31E	25	4.6b,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=12.8km az=141.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=11.7.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=154.0. Felt strongly at Sibi.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=92.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**IX**	**02 08 50 13.2–.85**	**38.48N–.02**	**46.82E–.02**	**11–5**	**4.3b,3.6s**	**275**	**0-78**
ISN	IX	02 08 50 06.0–.61	38.77N	46.91E	0–27	4.4L,3.6s		¶601670446
AZER	IX	02 08 50 10.1–.04	38.40N	46.85E	10–0	4.5L,3.6s		
NEIC	IX	02 08 50 11.0–.00	38.41N	46.76E	10	4.4b,4.3		
TEH	IX	02 08 50 11.0	38.45N	46.76E	4	4.2L,4.3		
THR	IX	02 08 50 11.2–.50	38.46N	46.75E	14–8	4.2L,4.3		
IDC	IX	02 08 50 11.5–.56	38.51N	46.86E	0	4.1,4.1b		
MOS	IX	02 08 50 11.8–1.1	38.56N	46.93E	8	4.4b,4.1b		
ISCJB	IX	02 08 50 11.1–.42	38.28N–.02	46.74E–.02	11–3	4.2b,3.6s		
DDA	IX	02 08 51 16.1	38.18N	46.85E	10	3.5L,3.6s		

ISC Event type fe.
ISN Error ellipse: s-maj=30.2km s-min=23.5km az=-1.0.
AZER Error ellipse: s-maj=2.1km s-min=0.8km az=2.0.
NEIC Event type fe. Felt at Tabriz. After TEH.
THR Error ellipse: s-maj=6.8km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=10.6km s-min=8.4km az=16.0.
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=9.9.
DDA Event type ke.

(224) Hokkaido region

JMA	**IX**	**02 10 35 18.5**	**41.25N**	**141.71E**	**20–1**	**3.6**		
NIED	IX	02 10 35 00	41.30N	141.70E	14	3.4W		¶606023439

JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S139.00000°,δ42.00000°,λ112.00000°. NP2:ϕ_S290.00000°,δ52.00000°,λ71.00000°. $M_0$1.26000×10^{14}

(87) Haiti region

NEIC	**IX**	**02 12 03 43.9–.76**	**18.57N**	**72.65W**	**10**	**3.7L**		**¶601685297**

NEIC Event type fe. Error ellipse: s-maj=26.0km s-min=8.1km az=8.0. Felt at Croix des Bouquets, Jacmel, Leogane, Petionville and Port-au-Prince.

(238) Ryukyu Islands

ISC	**IX**	**02 21 14 29.6–.91**	**28.44N–.04**	**129.12E–.05**	**81–6**	**3.6b**	**43**	**0-52**
ISCJB	IX	02 21 14 28.7–.38	28.43N–.03	129.17E–.06	87–4	3.4b		¶601862814
JMA	IX	02 21 14 29.6–.20	28.52N	129.05E	74–2	3.4		
IDC	IX	02 21 14 30.2–1.1	28.44N	129.02E	86–12	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.3km az=28.9.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=8.7km az=105.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**02 22 17 26.4–2.1**	**36.61N–.04**	**141.06E–.06**	**17–12**	**3.6b**	**29**	**0-57**
NIED	IX	02 22 17 00	36.70N	140.90E	50	3.6W		¶601862818
JMA	IX	02 22 17 30.5–.10	36.64N	140.93E	50–1	3.8		
IDC	IX	02 22 17 31.6–3.1	36.54N	141.07E	59–29	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S230.00000°,δ28.00000°,λ128.00000°. NP2:ϕ_S8.00000°,δ68.00000°,λ72.00000°. $M_0$2.87000×10^{14}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=26.9km s-min=11.3km az=57.0.

(248) Philippine Islands region

ISC	**IX**	**03 02 14 42.7–.41**	**10.32N–.02**	**126.51E–.03**	**32–2**	**5.0b,4.8s**	**786**	**1-172**
MAN	IX	03 02 14 35.3	10.43N	126.90E	7	5.8b,5.3s		¶601671995
IDC	IX	03 02 14 37.9–.28	10.30N	126.30E	0	4.9,4.8		
BJI	IX	03 02 14 38.7	9.97N	126.58E	39	5.2b,5.1s		
ISCJB	IX	03 02 14 41.9–.14	10.40N–.01	126.51E–.02	39	5.0b,4.7s		
MOS	IX	03 02 14 43.8–1.1	10.33N	126.28E	35	5.4b,4.7s		
NEIC	IX	03 02 14 43.3–.15	10.34N	126.39E	35	5.1b,4.7s		
GCMT	IX	03 02 14 43.3–.20	10.35N–.01	126.63E–.01	16–0	5.3W,4.7s		
DJA	IX	03 02 14 46.9–.30	10N–2.0	127E–2.0	75–3	6.0,5.6b		
KLM	IX	03 02 14 51.0	10.27N	126.66E	127	5.3b,5.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=7.8km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=1.5.
MOS Error ellipse: s-maj=8.7km s-min=4.2km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=79.0. Felt [I PIVS] at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c111; s122,c212;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.05±.01; $M_{\phi\phi}$-0.74±.02; $M_{r\theta}$-0.07±.04; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.69±.05; Best double couple: NP1:ϕ_S355.00000°,δ66.00000°,λ90.00000°. NP2:ϕ_S174.00000°,δ24.00000°,λ90.00000°. Principal axes: T 1.0630,Plg69.0000°,Azm265.0000°; N -0.0470,Plg0.0000°,Azm174.0000°; P -1.0160,Plg21.0000°,Azm84.0000° $M_0$1.04000×10^{17}

(259) Mindanao

ISC	**IX**	**03 06 49 54.1–.24**	**6.58N–.02**	**123.79E–.03**	**39–1**	**5.4b,5.4s**	**1177**	**1-173**
MAN	IX	03 06 49 46.6	6.54N	123.58E	1	6.2b,5.9s		¶601672002
BJI	IX	03 06 49 46.5	6.42N	124.17E	14	5.7s,5.6b		
ISCJB	IX	03 06 49 49.7–.44	6.57N–.01	123.84E–.02	19–3	5.3s,5.3b		
NEIC	IX	03 06 49 49.7–.10	6.61N	123.88E	12	5.8W,5.8W		
NEIC	IX	03 06 49 49.0–.00	6.75N	123.89E	17	5.8W,5.8W		
MOS	IX	03 06 49 50.3–.95	6.61N	123.84E	25	5.6b,5.3s		
GCMT	IX	03 06 49 52.7–.10	6.68N–.01	123.76E	12–0	5.9W,5.3s		
DJA	IX	03 06 49 52.6–.70	7N–2.0	124E–1.0	19–5	6.0b,6.0		
IDC	IX	03 06 49 56.2–1.5	6.57N	123.83E	61–14	5.2s,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=178.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=75.0. Felt [IV PIVS] at Cotabato; [III PIVS] in Datu Hoffer Ampatuan and Datu Unsay; [II PIVS] at Isulan, Kidapawan and Zamboanga City. Felt [IV] at General Santos and [II] at Davao. Also felt at Alabel, Kalamansig, Polomolok and Santa Cruz. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}4.28 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-4.08 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.49 $M_{\phi r}$-5.84 Best double couple: NP1:ϕ_S181.00000°,δ72.00000°,λ87.00000°. NP2:ϕ_S12.00000°,δ18.00000°,λ101.00000°. Principal axes: T 7.2900,Plg63.0000°,Azm86.0000°; N -0.1900,Plg3.0000°,Azm182.0000°; P -7.1100,Plg27.0000°,Azm274.0000° $M_0$7.20000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S20.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_S200.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm110.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm290.0000°
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}4.19 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-3.93 $M_{r\theta}$-0.86 $M_{\theta\phi}$-0.18 $M_{\phi r}$-4.45 Best double couple: NP1:ϕ_S189.00000°,δ69.00000°,λ94.00000°. NP2:ϕ_S358.00000°,δ21.00000°,λ80.00000°. Principal axes: T 6.2300,Plg65.0000°,Azm105.0000°; N -0.2900,Plg3.0000°,Azm7.0000°; P -5.9400,Plg24.0000°,Azm275.0000° $M_0$6.10000×10^{17}
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=111.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c270; s151,c462; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.96±.05 $M_{\theta\theta}$0.21±.04; $M_{\phi\phi}$-5.17±.04; $M_{r\theta}$-1.11±.11; $M_{\theta\phi}$-0.29±.03; $M_{\phi r}$-6.16±.19; Best double couple: NP1:ϕ_S189.00000°,δ71.00000°,λ94.00000°. NP2:ϕ_S357.00000°,δ20.00000°,λ79.00000°. Principal axes: T 7.9700,Plg64.0000°,Azm105.0000°; N 0.1750,Plg4.0000°,Azm7.0000°; P -8.1460,Plg25.0000°,Azm276.0000° $M_0$8.05800×10^{17}
IDC Error ellipse: s-maj=10.3km s-min=7.4km az=75.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**03 09 30 29.0–.74**	**36.96N–.05**	**140.12E–.05**	**96–6**	**3.7b**	**39**	**0-91**
NIED	IX	03 09 30 00	36.90N	140.10E	77	3.8W		¶601862854
ISCJB	IX	03 09 30 28.0–.38	36.95N–.04	140.13E–.05	101–2	3.6b		
JMA	IX	03 09 30 28.8–.10	36.94N	140.11E	96–1	3.6		
IDC	IX	03 09 30 30.0–1.4	36.89N	140.02E	109–14	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S4.00000°,δ15.00000°,λ-105.00000°. NP2:ϕ_S200.00000°,δ75.00000°,λ-86.00000°. $M_0$5.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.5km az=136.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=10.6km az=67.0.

(7) Andreanof Islands

ISC	**IX**	**03 10 00 34.9–.48**	**51.11N–.05**	**177.02W–.03**	**33–1**	**5.0b,4.1s**	**1214**	**1-152**

BJI IX 03 10 00 32.6 51.50N 176.85W 33 5.1b,5.0b **¶601672367**
MOS IX 03 10 00 34.4–.98 51.21N 177.00W 36 5.1b,4.0s
IDC IX 03 10 00 35.7–2.5 51.23N 177.04W 36–19 5.3L,4.6
ISCJB IX 03 10 00 35.3–.41 51.18N–.03 176.93W–.02 49–3 4.9b,4.1s
NEIC IX 03 10 00 36.5–.27 51.22N 177.05W 43–2 5.0b,4.9L
GCMT IX 03 10 00 37.5–.50 51.16N–.03 177.15W–.05 27–1 5.0W,4.9L
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt on Adak.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s24,c30; s57,c72;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.23 $M_{\theta\theta}$-2.73±.16; $M_{\phi\phi}$-0.58±.16; $M_{r\theta}$1.12±.23; $M_{\theta\phi}$-1.05±.10; $M_{\phi r}$-0.06±.28; Best double couple: NP1:ϕ_s75.00000°,δ54.00000°,λ99.00000°. NP2:ϕ_s241.00000°,δ37.00000°,λ78.00000°. Principal axes: T 3.5360,Plg79.0000° ,Azm19.0000°; N -0.2160,Plg7.0000°,Azm250.0000°; P -3.3150,Plg9.0000°,Azm159.0000° $M_0$3.42500×10^{16}

(259) Mindanao

ISC IX 03 13 21 03.6–1.0 7.82N–.03 124.91E–.03 7–7 3.8b,3.3s 58 0-94
IDC IX 03 13 21 02.8–.77 7.67N 124.59E 0 4.0,3.8b **¶601710328**
ISCJB IX 03 13 21 03.9–.44 7.88N–.03 125.00E–.04 20–3 3.8b,3.4s
MAN IX 03 13 21 03.5 7.90N 124.89E 3 5.5b,4.8s
NEIC IX 03 13 21 04.5–1.6 7.75N 124.88E 14–10 4.1b,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=26.6km s-min=10.5km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=162.9.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=6.7km az=72.0. Felt [III PIVS] at Maramag and Mount Musuan and [II PIVS] at Malaybalay and Valencia.

(370) Crete

ISC IX 03 16 22 02.2–.98 35.75N–.02 25.92E–.02 17–6 4.0b 239 1-77
IDC IX 03 16 21 59.7–.63 35.67N 25.89E 0 4.0,4.0b **¶601672871**
NEIC IX 03 16 22 01.6–1.1 35.64N 25.94E 11–8 4.0L,3.9b
ATH IX 03 16 22 01.9 35.77N 25.90E 30–1 3.9L,3.9b
ISK IX 03 16 22 01.8 35.76N 25.84E 9–0 3.4L,3.9b
THE IX 03 16 22 02.5 35.76N 25.89E 4–0 4.0L,3.9b
ISCJB IX 03 16 22 03.0–.26 35.74N–.01 25.89E–.02 26–2 4.0b,3.0s
HLW IX 03 16 22 06.0 35.32N 26.57E 0–5 4.2,4.1L
GII IX 03 16 22 09.6–.00 35.15N 26.24E 32–0 4.1b,3.6
DDA IX 03 16 22 38.7 35.74N 25.91E 31 4.2L,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=10.7km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.1km az=198.0. Felt at Irakleio.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=108.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=240.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.4km az=40.4.
GII Event type ke.
DDA Event type ke.

(282) South of Jawa

ISC IX 03 18 23 08.4–.54 10.68S–.02 113.97E–.02 35–2 6.4b,6.0s 2425 2-179
IDC IX 03 18 23 03.3–.22 10.71S 113.94E 0 6.1,6.1b **¶601672874**
BJI IX 03 18 23 03.6 10.77S 113.92E 15 6.6b,6.3s
NEIC IX 03 18 23 04.5–.00 11.01S 113.93E 11 6.6b,6.3s
MOS IX 03 18 23 04.6–.84 10.67S 114.00E 22 6.4b,5.9s
DJA IX 03 18 23 04.9–.60 11S–1.0 114E–1.0 12–4 6.7,6.7b
ISCJB IX 03 18 23 04.9–.46 10.72S–.02 113.94E–.01 23–3 6.3b,6.0s
NEIC IX 03 18 23 05.2–.10 10.71S 113.93E 14 6.7,6.4b
GCMT IX 03 18 23 08.2–.10 10.96S 113.91E 17–0 6.3W,6.4b
ISC Event type fe.
IDC Error ellipse: s-maj=8.7km s-min=7.5km az=44.0.
NEIC Event type se. Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.17 $M_{\theta\theta}$1.81 $M_{\phi\phi}$0.36 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s118.00000° ,δ47.00000°,λ-74.00000°. NP2:ϕ_s276.00000°,δ45.00000°,λ-105.00000°. Principal axes: T 1.9700,Plg0.0000°,Azm197.0000°; N 0.3000,Plg11.0000°,Azm287.0000° ; P -2.2700,Plg78.0000°,Azm102.0000° $M_0$2.10000×10^{18}
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=112.1.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=27.9.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0. Felt [IV] at Denpasar and [III] at Kuta and Ubud, Bali. Also felt at Baturiti and Gianyar. Felt [III] at Banyuwangi and Malang, Java. Also felt at Lawang and Yogyakarta. Felt at Mataram, Lombok. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.17 $M_{\theta\theta}$2.35 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.26 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s275.00000°,δ55.00000°,λ-91.00000°. NP2:ϕ_s97.00000°,δ35.00000°,λ-88.00000°. Principal axes: T 2.5200,Plg10.0000° ,Azm6.0000°; N -0.2100,Plg1.0000°,Azm275.0000°; P -2.3100,Plg80.0000°,Azm180.0000° $M_0$2.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s123.00000°,δ46.00000°,λ-36.00000°. NP2:ϕ_s240.00000°,δ65.00000°,λ-130.00000°. Principal axes: T Plg11.0000°,Azm358.0000°; N Plg0.0000°,Azm0.0000°; P Plg52.0000° ,Azm102.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c328; s145,c611; Duration: 3ŧ5 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.07±.02 $M_{\theta\theta}$3.37±.02; $M_{\phi\phi}$-0.29±.02; $M_{r\theta}$1.12±.04; $M_{\theta\phi}$-1.17±.01; $M_{\phi r}$0.29±.05; Best double couple: NP1:ϕ_s275.00000°,δ54.00000° ,λ-105.00000°. NP2:ϕ_s119.00000°,δ38.00000°,λ-70.00000°. Principal axes: T 3.8560,Plg8.0000°,Azm15.0000°; N -0.5120,Plg12.0000°,Azm283.0000° ; P -3.3400,Plg75.0000°,Azm139.0000° $M_0$3.59800×10^{18}

(259) Mindanao

ISC IX 03 19 44 23.3–.42 7.88N–.02 125.02E–.03 15–2 5.5b,5.4s 900 0-172
BJI IX 03 19 44 18.6 7.74N 125.28E 10 5.6b,5.5s **¶601673031**
IDC IX 03 19 44 21.1–.30 7.91N 125.03E 0 5.1b,5.1
ISCJB IX 03 19 44 21.2–.46 7.90N–.01 125.09E–.02 11–2 5.3s,5.3b
MAN IX 03 19 44 22.2 7.91N 124.88E 5 6.1b,5.7s
NEIC IX 03 19 44 22.4–.13 7.91N 125.04E 10 5.6b,5.4s
MOS IX 03 19 44 24.6–.95 7.90N 124.98E 33 5.5b,5.2s
GCMT IX 03 19 44 24.4–.10 7.95N–.01 125.00E–.01 15–0 5.7W,5.2s
DJA IX 03 19 44 24.5–.20 8N–2.0 125E–2.0 10 6.1,5.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [VI] at Valencia, [IV] at Cagayan de Oro and Malaybalay and [III] at Davao. Felt [V PIVS] at Maramag and Mount Musuan, [IV PIVS] in Arakan, [III PIVS] at Kidapawan and [II PIVS] at Butuan and Cotabato. Also felt at Don Carlos, Iligan, Initao, Lantapan, Linamon, Lumbia, Opol, Panabo and Polanco.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c108; s126,c290;Duration: 1ŧ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.06 $M_{\theta\theta}$3.92±.06; $M_{\phi\phi}$-3.21±.05; $M_{r\theta}$0.72±.18; $M_{\theta\phi}$0.08±.04; $M_{\phi r}$1.15±.19; Best double couple: NP1:ϕ_s226.00000°,δ81.00000°,λ-158.00000°. NP2:ϕ_s133.00000°,δ68.00000°,λ-9.00000°. Principal axes: T 4.0400,Plg9.0000° ,Azm358.0000°; N -0.3770,Plg66.0000°,Azm246.0000°; P -3.6640,Plg22.0000° ,Azm92.0000° $M_0$3.85200×10^{17}

(259) Mindanao

ISC IX 03 19 52 26.8–1.1 7.81N–.02 124.91E–.03 6–7 4.3b 73 0-144
DJA IX 03 19 52 19.0–2.6 9N–21 126E–12 10 5.8,5.4 **¶601673032**
IDC IX 03 19 52 25.4–.50 7.73N 124.77E 0 4.7,4.7s
MAN IX 03 19 52 26.2 7.84N 124.88E 1 5.5b,4.8s
ISCJB IX 03 19 52 27.5–.42 7.86N–.02 125.01E–.03 21–3 4.3b,4.8s
NEIC IX 03 19 52 28.2–1.3 7.71N 124.86E 18–8 4.8b,4.8s
BJI IX 03 19 52 32.5 7.83N 125.19E 37 4.5b,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=9.1km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=4.8km az=79.0. Felt [III PIVS] at Maramag, Mount Musuan and Valencia and [II PIVS] at Cagayan de Oro.

(228) Near east coast of eastern Honshu

ISC IX 03 20 36 04.8–.89 37.56N–.04 141.68E–.07 76–7 4.1b 55 1-74
ISCJB IX 03 20 36 03.7–.57 37.56N–.03 141.68E–.06 81–4 4.0b **¶601777913**
IDC IX 03 20 36 04.1–1.9 37.56N 141.80E 73–17 4.1,3.8
NEIC IX 03 20 36 04.7–.83 37.57N 141.80E 80–7 4.4b,3.8
JMA IX 03 20 36 06.3–.10 37.61N 141.47E 79–1 3.9,3.8
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.8km az=14.0.
IDC Error ellipse: s-maj=17.9km s-min=11.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.2km az=91.0.
JMA Felt [II] J1.

(362) Western Caucasus

ISC IX 04 00 38 47.9–.59 43.33N–.02 39.55E–.02 10 3.4b 119 1-44
IDC IX 04 00 38 46.4–.69 43.29N 39.68E 0 3.4,3.4b **¶601862892**
ISCJB IX 04 00 38 47.7–.21 43.36N–.02 39.49E–.02 10 3.3b,3.4b
MOS IX 04 00 38 47.0–.00 43.34N 39.52E 7–0 4.4,3.4b
MOS IX 04 00 38 49.2–1.0 43.39N 39.47E 19 3.9b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=6.8km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.9km az=163.1.
MOS Event type se. FELT I=II-III MSK at Sochi.
MOS Error ellipse: s-maj=8.3km s-min=6.9km az=175.9. Felt (II-III) at Sochi. Moment Tensor Solution.

(228) Near east coast of eastern Honshu

JMA IX 04 03 41 48.5 36.69N 140.64E 8–1 3.5 ¶606024499
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s124.00000°,δ56.00000°,λ-137.00000°. NP2:ϕ_s6.00000°,δ56.00000°,λ-43.00000°. Principal axes: T Plg0.0000°,Azm245.0000°; N Plg37.0000°,Azm155.0000°; P Plg53.0000° ,Azm335.0000°

(282) South of Jawa

ISC IX 04 04 27 14.5–.69 10.90S–.04 114.05E–.04 25–4 5.0b,4.0s 822 2-164
IDC IX 04 04 27 11.0–.36 10.82S 113.97E 0 5.1L,4.8 **¶601673752**
BJI IX 04 04 27 11.3 10.90S 114.00E 11 5.0b,5.0b
NEIC IX 04 04 27 13.0–.15 10.84S 113.96E 10 5.0b,5.0b
ISCJB IX 04 04 27 14.1–.86 10.89S–.02 113.98E–.02 33–6 4.9b,4.1s
MOS IX 04 04 27 14.1–1.5 10.60S 113.99E 25 5.1b,4.1s
DJA IX 04 04 27 14.1–.70 11S–2.0 114E–1.0 27–6 5.6b,5.5
GCMT IX 04 04 27 15.0–.30 11.07S–.01 114.13E–.02 20–1 5.0W,5.5
ISC Event type fe.
NEIC Event type fe. Felt [II] at Denpasar, Bali.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c43; s77,c119;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.20 $M_{\theta\theta}$3.97±.13; $M_{\phi\phi}$-1.87±.14; $M_{r\theta}$0.79±.20; $M_{\theta\phi}$-1.24±.10; $M_{\phi r}$-1.85±.34; Best double couple: NP1:ϕ_s316.00000°,δ68.00000°,λ-44.00000°. NP2:ϕ_s65.00000°,δ50.00000°,λ-151.00000°. Principal axes: T 4.4360,Plg11.0000° ,Azm14.0000°; N -0.5870,Plg42.0000°,Azm114.0000°; P -3.8490,Plg46.0000° ,Azm273.0000° $M_0$4.14200×10^{16}

(139) Mendoza Province

ISC IX 04 05 30 18.2–.36 32.68S–.03 69.94W–.03 126–2 4.4b 511 1-174
SJA IX 04 05 30 15.8–.71 32.71S 70.04W 124–4 4.4L,4.3W **¶601673754**
ISCJB IX 04 05 30 16.8–.17 32.67S–.02 69.87W–.03 124–1 4.4b,4.3W
NEIC IX 04 05 30 17.0–.00 32.52S 69.92W 112 4.5b,4.4
GUC IX 04 05 30 17.5–.56 32.56S 69.86W 110–8 4.8L,4.4
IDC IX 04 05 30 18.3–.48 32.65S 69.58W 126–4 4.2,3.9b
ISC Event type fe.
SJA Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.4km az=31.5.
NEIC Event type fe. Felt [III] in parts of Mendoza. Also felt [III] at Quilpue, Salamanca, Santiago, Valparaiso and Villa Alemana; [II] at Quillota, Tiltil and Vina del Mar, Chile. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=10.5km az=84.0.

(731) North of Honduras

ISC IX 04 12 12 58.1–.41 16.87N–.04 85.66W–.05 28 4.6b,3.6s 505 3-145
IDC IX 04 12 12 54.5–.77 16.90N 85.49W 0 4.4,4.2 **¶601674435**
ISCJB IX 04 12 12 56.4–.29 17.13N–.03 85.59W–.03 10 4.5b,3.5s
NEIC IX 04 12 12 56.6–.30 16.94N 85.55W 10 4.6b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=15.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=135.9.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.7km az=147.0. Felt on Guanaja and Roatan.

(265) Minahassa Peninsula, Sulawesi

ISC IX 04 13 39 05.3–.40 0.60S–.05 119.99E–.06 45 4.6b,4.2s 84 0-89
DJA IX 04 13 38 50.8–1.4 1S–6.0 119E–19 69–19 5.2,5.2 **¶601674441**
ISCJB IX 04 13 39 03.4–.26 0.63S–.04 119.92E–.04 45 4.6b,4.1s
IDC IX 04 13 39 03.7–5.5 0.79S 119.88E 38–50 4.4,4.2b
NEIC IX 04 13 39 05.8–.77 0.58S 119.92E 48–7 4.7b,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.7km az=145.0.
IDC Error ellipse: s-maj=25.6km s-min=11.8km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.1km az=54.0. Felt at Palu.

(228) Near east coast of eastern Honshu

ISC IX 04 14 56 15.3–.51 38.29N–.04 141.95E–.05 51–4 4.4b 151 1-146
NIED IX 04 14 56 00 38.30N 141.90E 53 4.3W **¶601674446**
ISCJB IX 04 14 56 14.4–.52 38.31N–.03 141.91E–.06 53–3 4.4b
MOS IX 04 14 56 14.5–.94 38.38N 141.89E 50 4.7b
JMA IX 04 14 56 15.6–.10 38.30N 141.86E 48–1 4.2
IDC IX 04 14 56 16.3–.47 38.29N 141.81E 51–4 4.3,4.2
NEIC IX 04 14 56 16.3–.30 38.33N 141.84E 51 4.6b,4.2
BJI IX 04 14 56 19.0 38.54N 140.85E 35 4.8b,4.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ21.00000°,λ88.00000°. NP2:ϕ_s25.00000°,δ69.00000°,λ91.00000°. $M_0$2.82000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.0km az=27.1.
MOS Error ellipse: s-maj=8.8km s-min=5.9km az=98.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=13.0km s-min=9.6km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=122.0. Felt at Goshogawara. Recorded [2 JMA] in Fukushima.

(248) Philippine Islands region

ISC IX 04 15 11 14.2–.20 10.66N–.03 126.80E–.04 39–2 5.5b,4.8s 968 2-170
MAN IX 04 15 11 07.9 10.80N 127.09E 28 5.9b,5.4s **¶601734447**
IDC IX 04 15 11 08.3–.27 10.61N 126.72E 0 5.2,5.2b
BJI IX 04 15 11 09.8 10.33N 126.91E 40 5.4b,5.2b
ISCJB IX 04 15 11 10.1–.57 10.65N–.02 126.78E–.02 22–4 5.3b,4.7s
MOS IX 04 15 11 11.9–.96 10.61N 126.70E 33 5.8b,4.5s
NEIC IX 04 15 11 13.3–.10 10.61N 126.71E 35 5.5b,4.8s
GCMT IX 04 15 11 13.4–.10 10.68N–.01 126.94E–.01 12 5.2W,4.8s
DJA IX 04 15 11 17.7–.50 10N–4.0 127E–4.0 59–6 5.7,5.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Davao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c95; s125,c217;Duration: 1ŧ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.58±.01; $M_{r\theta}$0.09±.04; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-0.25±.03; Best double couple: NP1:ϕ_s331.00000°,δ54.00000°,λ-86.00000°. NP2:ϕ_s144.00000°,δ37.00000°,λ-96.00000°. Principal axes: T 0.8390,Plg9.0000° ,Azm58.0000°; N 0.0650,Plg3.0000°,Azm148.0000°; P -0.9050,Plg81.0000°,Azm259.0000° $M_0$0.87200×10^{17}

(136) Central Chile

ISC IX 04 16 17 43.2–.45 35.75S–.03 71.46W–.05 100–4 4.4b 152 1-164
ISCJB IX 04 16 17 41.9–.28 35.81S–.02 71.42W–.05 99–2 4.4b **¶601674448**
GUC IX 04 16 17 41.9–.77 35.77S 71.67W 101–6 4.9L
SJA IX 04 16 17 41.8–1.2 35.79S 71.52W 33–24 4.5L,4.0W
NEIC IX 04 16 17 43.3–.20 35.77S 71.24W 99 4.9L,4.4b
IDC IX 04 16 17 43.7–.68 35.72S 71.23W 98–6 4.4,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.4km az=16.5.
GUC Error ellipse: s-maj=3.6km s-min=7.8km az=-1.0.
SJA Error ellipse: s-maj=4.0km s-min=31.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.8km az=84.0. Felt [IV] at Talca; [III] at Cauquenes, Colbun, Lolol, Longavi, Pelarco, Pencahue, Santa Cruz and Villa Alegre; [II] at Constitucion, Curico, Iloca, Parral, Pichilemu, Rancagua and San Javier. Also felt at Linares.
IDC Error ellipse: s-maj=17.8km s-min=11.3km az=87.0.

(228) Near east coast of eastern Honshu

ISC IX 04 16 26 46.8–1.3 36.75N–.04 140.67E–.04 3–10 3.6b 29 0-91
ISCJB IX 04 16 26 46.6–.60 36.69N–.02 140.73E–.05 12–3 3.6b,3.4s **¶601862941**
IDC IX 04 16 26 46.4–1.4 36.77N 140.65E 0 3.6,3.6

JMA IX 04 16 26 47.6 36.70N 140.64E 6–1 3.3,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=10.4.
IDC Error ellipse: s-maj=30.2km s-min=19.1km az=72.0.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s117.00000°,δ71.00000°,λ-125.00000°. NP2:ϕ_s2.00000°,δ39.00000°,λ-31.00000°. Principal axes: T Plg19.0000°,Azm232.0000°; N Plg33.0000°,Azm129.0000°; P Plg51.0000°,Azm347.0000°

(228) Near east coast of eastern Honshu

ISC	**IX**	**04 16 54 32.3–1.2**	**37.42N–.04**	**141.65E–.08**	**20–7**	**3.7b**	**32**	**1-74**
NIED	IX	04 16 54 00	37.40N	141.60E	32	3.6W		**¶601862942**
JMA	IX	04 16 54 35.3–.10	37.46N	141.53E	42–1	3.7		
IDC	IX	04 16 54 35.1–2.8	37.39N	141.65E	44–23	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ31.00000°,λ-44.00000°. NP2:ϕ_s325.00000°,δ69.00000°,λ-113.00000°. $M_0$2.44000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=42.5km s-min=16.3km az=91.0.

(243) Taiwan region

ISC	**IX**	**04 20 00 18.6–.53**	**22.19N–.02**	**121.11E–.02**	**18–3**	**4.9b,4.7s**	**673**	**0-169**
NIED	IX	04 20 00 00	22.00N	120.70E	41	5.5W,4.7s		**¶601675399**
JMA	IX	04 20 00 13.0–.10	22.01N	120.68E	41–2	5.1,4.7s		
BJI	IX	04 20 00 14.8	22.10N	121.20E	10	5.3L,5.2s		
MOS	IX	04 20 00 17.8–.94	22.14N	121.10E	24	5.2b,5.0s		
NEIC	IX	04 20 00 17.5–1.0	22.17N	121.14E	12–6	5.2L,5.0b		
ISCJB	IX	04 20 00 17.7–.27	22.14N–.01	121.16E–.01	21–1	4.8b,4.7s		
TAP	IX	04 20 00 18.3	22.22N	121.03E	10–0	5.2L,4.7s		
IDC	IX	04 20 00 20.4–1.6	22.10N	121.17E	30–11	4.6,4.6		
GCMT	IX	04 20 00 20.5–.30	22.28N–.01	121.22E–.02	19–1	5.0W,4.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ5.00000°,λ170.00000°. NP2:ϕ_s51.00000°,δ89.00000°,λ85.00000°. $M_0$1.79000×10^{17}
NEIC Event type fe. Felt at Hengchun. Recorded [3 TAP] in Pingtung and Taitung.
ISCJB Event type fe.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c37; s73,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.17 $M_{\theta\theta}$1.39±.10; $M_{\phi\phi}$-2.68±.13; $M_{r\theta}$1.82±.30; $M_{\theta\phi}$-2.34±.08; $M_{\phi r}$1.14±.24; Best double couple: NP1:ϕ_s62.00000°,δ79.00000°,λ139.00000°. NP2:ϕ_s162.00000°,δ50.00000°,λ15.00000°. Principal axes: T 3.3360,Plg36.0000°,Azm14.0000°; N 1.0030,Plg48.0000°,Azm229.0000°; P -4.3380,Plg18.0000°,Azm118.0000° $M_0$3.83700×10^{16}

(391) Albania

ISC	**IX**	**04 22 43 43.4–.91**	**41.14N–.02**	**19.85E–.02**	**31–7**	**4.1b**	**589**	**1-70**
ATH	IX	04 22 43 39.0	41.24N	19.70E	17–4	3.6L		**¶606542103**
SAR	IX	04 22 43 39.9–.57	40.93N	19.66E	10–2	4.2L		
SIK	IX	04 22 43 40.8–4.1	41.1N–.30	19.8E–.10	0	4.4L		
BEO	IX	04 22 43 40.3–.60	40.94N	19.74E	11–3	3.9L		
MOS	IX	04 22 43 40.4–1.1	41.10N	19.62E	19	4.3b		
LDG	IX	04 22 43 41.0–.13	41.11N	19.79E	2	4.0L		
THE	IX	04 22 43 41.8	41.17N	19.86E	0–1	3.6L		
NEIC	IX	04 22 43 41.8–.00	41.11N	19.92E	2	4.4b,4.0L		
TIR	IX	04 22 43 41.8	41.11N	19.91E	2	4.0,4.0L		
PDG	IX	04 22 43 41.4–.75	41.14N	19.80E	8–1	4.1,4.0L		
SKO	IX	04 22 43 42.3	41.13N	19.89E	8	4.1,4.0L		
PRU	IX	04 22 43 42.8–.00	41.13N	19.91E	0	4.4,4.0L		
IDC	IX	04 22 43 44.6–1.6	41.20N	19.86E	36–15	3.8,3.7		

ISC Event type fe.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.7km az=130.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
SIK Error ellipse: s-maj=71.5km s-min=32.6km az=0.0.
BEO Event type ke.
MOS Error ellipse: s-maj=4.1km s-min=3.2km az=105.4.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=23.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=306.0.
NEIC Event type fe. Felt [II] at Tirana. Also felt at Elbasan and Kavaja. After TIR. Moment Tensor Solution. s7 Moment tensor: Scale 10^{14}Nm; M_{rr}6.21 $M_{\theta\theta}$-3.38 $M_{\phi\phi}$-2.83 $M_{r\theta}$-2.11 $M_{\theta\phi}$5.73 $M_{\phi r}$-3.63 Best double couple: NP1:ϕ_s285.00000°,δ50.00000°,λ45.00000°. NP2:ϕ_s162.00000°,δ57.00000°,λ130.00000°. Principal axes: T 8.9200,Plg57.0000°,Azm129.0000°; N -0.0100,Plg33.0000°,Azm318.0000°; P -8.9100,Plg4.0000°,Azm225.0000° $M_0$8.90000×10^{14}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=12.6km s-min=10.0km az=17.0.

(91) Virgin Islands

ISC	**IX**	**05 00 24 46.6–1.2**	**19.47N–.03**	**64.32W–.02**	**7–7**	**4.5b,4.2s**	**747**	**1-124**
ISCJB	IX	05 00 24 45.8–.14	19.51N–.01	64.31W–.02	10	4.5b,4.1s		**¶601675137**
IDC	IX	05 00 24 46.1–.42	19.49N	64.32W	0	4.6,4.4		
NEIC	IX	05 00 24 48.6–.00	19.70N	64.26W	28	5.2,4.9W		
RSPR	IX	05 00 24 48.6	19.70N	64.26W	28–15	5.2,4.9W		
GCMT	IX	05 00 24 49.6–.20	19.68N–.01	64.30W–.01	12	4.9W,4.9W		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Canovanas, Loiza, San Antonio, San Juan and San Sebastian, Puerto Rico. After RSPR. Moment Tensor Solution. s25 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.98 $M_{r\theta}$1.68 $M_{\phi\phi}$2.74 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s260.00000°,δ85.00000°,λ-33.00000°. NP2:ϕ_s353.00000°,δ57.00000°,λ-174.00000°. Principal axes: T 3.5700,Plg19.0000°,Azm311.0000°; N -0.5100,Plg57.0000°,Azm73.0000°; P -3.0600,Plg26.0000°,Azm212.0000° $M_0$3.30000×10^{16}
RSPR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c28; s94,c145;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.08 $M_{\theta\theta}$-1.37±.07; $M_{\phi\phi}$1.19±.08; $M_{r\theta}$-1.01±.21; $M_{\theta\phi}$2.46±.06; $M_{\phi r}$0.56±.22; Best double couple: NP1:ϕ_s75.00000°,δ78.00000°,λ-14.00000°. NP2:ϕ_s168.00000°,δ76.00000°,λ-167.00000°. Principal axes: T 2.6840,Plg1.0000°,Azm121.0000°; N 0.5700,Plg71.0000°,Azm215.0000°; P -3.2530,Plg19.0000°,Azm31.0000° $M_0$2.96800×10^{16}

(116) Central Peru

ISC	**IX**	**05 00 59 41.6–.46**	**11.15S–.05**	**73.18W–.05**	**35**	**4.1b,3.8s**	**53**	**4-148**
IDC	IX	05 00 59 37.2–.66	11.05S	73.18W	0	4.3,4.3L		**¶601699515**
ISCJB	IX	05 00 59 39.7–.37	11.23S–.04	73.24W–.05	33	4.1b,3.8s		
NEIC	IX	05 00 59 40.3–2.2	11.08S	73.30W	23–17	4.5L,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=16.7km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=146.9.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=8.1km az=53.0. Felt [II] at Atalaya.

(36) Northern California

ISC	**IX**	**05 01 32 59.9–.81**	**38.84N–.02**	**122.80W–.02**	**10**		**67**	**0-18**
IASPE	IX	05 01 32 58.8–1.0	38.83N–.02	122.79W–.03	3–7			**¶601836704**
ISCJB	IX	05 01 32 59.2–.29	38.82N–.02	122.82W–.03	10			
NEIC	IX	05 01 32 59.0–.00	38.84N	122.81W	3	3.0L		
IDC	IX	05 01 33 01.0–2.9	38.75N	122.76W	0	3.5,3.3		

ISC Event type fe.
IASPE Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=54.8. GT5 selection from ISC bulletin. GT5 identified by Bond˜jr and McLaughlin (2009) selection criteria. Bond˜jr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.1km az=33.6.
NEIC Event type fe. Felt at Berkeley, Calistoga, Concord, Davis, Kelseyville, Middletown, San Anselmo, San Lorenzo and Santa Rosa. After NCEDC.
IDC Error ellipse: s-maj=35.5km s-min=9.7km az=45.0.

(243) Taiwan region

ISC	**IX**	**05 03 45 28.1–.93**	**23.99N–.02**	**122.41E–.01**	**14–6**	**4.4b,3.9s**	**292**	**1-96**
NIED	IX	05 03 45 00	24.00N	122.40E	20	4.5W,3.9s		**¶601675145**
ISCJB	IX	05 03 45 29.7–.29	23.96N–.01	122.39E–.01	24–2	4.4b,3.8s		
JMA	IX	05 03 45 29.8–.10	23.95N	122.35E	24–3	4.4,3.8s		
BJI	IX	05 03 45 29.1	24.10N	122.29E	10	4.6b,4.4b		
TAP	IX	05 03 45 30.2	24.00N	122.35E	23–0	4.7L,4.4b		
NEIC	IX	05 03 45 30.3–.90	24.05N	122.42E	30–6	4.7L,4.4b		
IDC	IX	05 03 45 33.4–3.7	24.18N	122.56E	58–36	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s290.00000°,δ23.00000°,λ147.00000°. NP2:ϕ_s51.00000°,δ78.00000°,λ70.00000°. $M_0$6.02000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=147.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=145.0. Recorded [2 TAP] in Yilan and [1 TAP] in Hualien and Taitung.
IDC Error ellipse: s-maj=25.4km s-min=15.4km az=64.0.

(243) Taiwan region

ISC	**IX**	**05 03 47 16.3–.89**	**24.01N–.02**	**122.35E–.02**	**19–3**	**4.3b**	**233**	**1-84**
NIED	IX	05 03 47 00	24.00N	122.30E	20	4.1W		**¶601687205**
JMA	IX	05 03 47 16.7–.20	23.95N	122.35E	19–3	4.2		
ISCJB	IX	05 03 47 16.9–.31	23.97N–.01	122.38E–.01	24–2	4.5b		
TAP	IX	05 03 47 17.1	24.00N	122.35E	24–0	4.4L		
NEIC	IX	05 03 47 18.6–.63	24.03N	122.34E	40–6	5.1b,4.7L		
IDC	IX	05 03 47 22.4–5.0	24.17N	122.47E	73–48	4.1,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ14.00000°,λ113.00000°. NP2:ϕ_s52.00000°,δ77.00000°,λ84.00000°. $M_0$1.69000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=153.2.
TAP D.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.7km az=97.0. Recorded [1 TAP] in Hualien and Yilan.
IDC Error ellipse: s-maj=34.4km s-min=16.6km az=65.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**05 10 02 41.2–1.7**	**38.84N–.05**	**142.03E–.08**	**30–11**	**3.6b**	**21**	**0-59**
NIED	IX	05 10 02 00	38.80N	142.10E	35	3.4W		**¶601862979**
ISCJB	IX	05 10 02 41.3–1.0	38.83N–.05	142.1E–.10	50–7	3.6b		
JMA	IX	05 10 02 42.1–.10	38.85N	142.05E	41–1	3.6		
IDC	IX	05 10 02 44.3–3.2	38.88N	142.07E	67–28	3.5,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ23.00000°,λ-114.00000°. NP2:ϕ_s193.00000°,δ69.00000°,λ-80.00000°. $M_0$1.47000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=8.0km az=16.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=22.6km az=85.0.

(78) Costa Rica

ISC	**IX**	**05 14 42 07.7–.21**	**10.02N–.02**	**85.39W–.03**	**21–2**	**7.7s,6.6b**	**2660**	**0-177**
UCR	IX	05 14 42 04.9–1.9	9.84N	85.47W	1–8	5.9L,5.9		**¶601675877**
ISCJB	IX	05 14 42 05.5–.10	10.21N–.01	85.38W–.01	21	7.7s,6.5b		
NEIC	IX	05 14 42 07.8–.15	10.09N	85.32W	35	7.7s,7.6		
BJI	IX	05 14 42 07.6	10.08N	85.52W	34	7.9,7.9s		
MOS	IX	05 14 42 08.7–1.3	10.39N	85.33W	36	7.7s,6.5b		
NEIC	IX	05 14 42 10.0–.00	9.92N	85.14W	30	7.7s,6.5b		
IDC	IX	05 14 42 10.5–.57	10.52N	85.13W	31–4	7.5,7.5s		
GCMT	IX	05 14 42 22.9–.10	10.00N–.01	85.64W–.01	30–0	7.6W,7.5s		
NEIC	IX	05 14 42 35.4–.00	9.97N	85.16W	35	7.6W,7.5s		

ISC Event type de.
UCR Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=1.4km az=43.4.
NEIC Event type de. Error ellipse: s-maj=3.7km s-min=2.4km az=213.0. One person killed, one died of a heart attack, at least 20 injured, some houses collapsed, one bridge damaged and landslides occurred in Guanacaste and western Puntarenas. Power and communications outages occurred. Felt [VIII] at Nicoya; [VII] at Liberia, Santa Cruz and Sardinal; [VI] at Alajuela, Calle Blancos, Grecia, Heredia, Jaco, San Francisco, San Isidro de El General, San Jose and San Pedro. Felt throughout Costa Rica. Also felt in parts of Belize, El Salvador, Guatemala, Honduras, Mexico, Nicaragua and Panama. A small tsunami was recorded on tide stations in the Galapagos Islands, Ecuador with the following amplitudes [one-half peak-to-trough]: 16 cm on Isla Santa Cruz and 6 cm on Isla Baltra. Complex earthquake observed on broadband displacement records, with at least one larger event occurring about 4 seconds after the onset. Depths 35 and 31 kms, respectively, from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$2.10000×10^{20} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s110.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm20.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm200.0000°
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=92.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ71.00000°,λ85.00000°. NP2:ϕ_s310.00000°,δ20.00000°,λ104.00000°. Principal axes: T Plg64.0000°,Azm17.0000°; N Plg5.0000°,Azm117.0000°; P Plg26.0000°,Azm209.0000°
NEIC Event type se. Moment Tensor Solution. s41 Moment tensor: Scale 10^{20}Nm; M_{rr}1.71 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-0.45 $M_{r\theta}$2.00 $M_{\theta\phi}$0.73 $M_{\phi r}$-1.29 Best double couple: NP1:ϕ_s122.00000°,δ72.00000°,λ91.00000°. NP2:ϕ_s299.00000°,δ18.00000°,λ86.00000°. Principal axes: T 2.9400,Plg62.0000°,Azm34.0000°; N -0.0300,Plg1.0000°,Azm302.0000°; P -2.9100,Plg27.0000°,Azm211.0000° $M_0$2.90000×10^{20}
IDC Error ellipse: s-maj=12.1km s-min=8.1km az=49.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s146,c394; s142,c672; Duration: 15s8 Moment tensor: Scale 10^{20}Nm; M_{rr}1.85±.01 $M_{\theta\theta}$-1.37±.01; $M_{\phi\phi}$-0.48±.01; $M_{r\theta}$2.61±.06; $M_{\theta\phi}$0.86±.00; $M_{\phi r}$-1.16±.05; Best double couple: NP1:ϕ_s115.00000°,δ73.00000°,λ86.00000°. NP2:ϕ_s308.00000°,δ17.00000°,λ102.00000°. Principal axes: T 3.4040,Plg61.0000°,Azm20.0000°; N 0.0190,Plg3.0000°,Azm116.0000°; P -3.4260,Plg28.0000°,Azm208.0000° $M_0$3.41500×10^{20}
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{20}Nm; M_{rr}1.93 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.70 $M_{r\theta}$1.79 $M_{\theta\phi}$0.79 $M_{\phi r}$-1.16 Best double couple: NP1:ϕ_s307.00000°,δ21.00000°,λ93.00000°. NP2:ϕ_s124.00000°,δ69.00000°,λ89.00000°. Principal axes: T 2.9000,Plg66.0000°,Azm32.0000°; N -0.1400,Plg1.0000°,Azm124.0000°; P -2.7600,Plg24.0000°,Azm215.0000° $M_0$2.80000×10^{20}

(2) Southern Alaska

ISC	**IX**	**05 17 16 02.6–.55**	**60.38N–.03**	**152.28W–.03**	**87–4**	**3.9b**	**140**	**0-148**
ISCJB	IX	05 17 16 01.8–.22	60.37N–.02	152.18W–.04	100–2	3.9b		**¶601675885**
IDC	IX	05 17 16 01.2–.76	60.45N	152.55W	68–8	4.1,3.9		
NEIC	IX	05 17 16 04.3–.00	60.37N	152.22W	83	4.0L,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.2km az=44.8.
IDC Error ellipse: s-maj=11.2km s-min=8.4km az=105.0.
NEIC Event type fe. Felt at Cooper Landing, Homer, Kenai and Sterling. After AEIC.

(228) Near east coast of eastern Honshu

ISC	**IX**	**05 18 19 59.6–1.0**	**36.75N–.05**	**140.60E–.04**	**8–8**	**3.6b**	**31**	**0-76**
IDC	IX	05 18 19 58.2–.88	36.78N	140.57E	0	3.7,3.6		**¶601676701**
ISCJB	IX	05 18 19 59.3–.53	36.68N–.03	140.68E–.05	18–4	3.5b,3.6		
JMA	IX	05 18 20 00.0	36.70N	140.61E	10	3.8,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=14.3km az=165.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.9km az=18.2.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s153.00000°,δ70.00000°,λ-106.00000°. NP2:ϕ_s14.00000°,δ26.00000°,λ-53.00000°. Principal axes: T Plg23.0000°,Azm256.0000°; N Plg15.0000°,Azm159.0000°; P Plg62.0000°,Azm38.0000°

(460) Wyoming

ISC	**IX**	**05 20 00 10.7–.71**	**43.84N–.04**	**105.21W–.06**	**0**	**4.1b**	**42**	**1-90**
IDC	IX	05 20 00 09.4–1.3	43.50N	105.18W	0	4.1b,4.0		**¶601863005**
ISCJB	IX	05 20 00 10.0–.39	43.85N–.03	105.21W–.05	0	4.1b,4.0		
NEIC	IX	05 20 00 11.3–.40	43.85N	105.17W	0	3.5L,4.0		

ISC Event type sm.
IDC Error ellipse: s-maj=26.1km s-min=9.1km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=5.4km s-min=4.4km az=27.0.
NEIC Event type sm. Error ellipse: s-maj=6.3km s-min=5.8km az=145.0. 56 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(230) Near south coast of eastern Honshu

ISC	**IX**	**05 20 33 11.8–.97**	**35.38N–.03**	**139.23E–.05**	**26–7**	**3.5b**	**24**	**0-59**
IDC	IX	05 20 33 09.4–1.2	35.20N	138.94E	0	3.5,3.4		**¶601863006**
ISCJB	IX	05 20 33 11.7–.60	35.39N–.03	139.30E–.06	25–5	3.4b,3.4		
JMA	IX	05 20 33 12.4–.10	35.41N	139.25E	17–1	3.6,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=12.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=172.3.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ80.00000°,λ65.00000°. NP2:ϕ_s274.00000°,δ27.00000°,λ157.00000°. Principal axes: T Plg49.0000°,Azm267.0000°; N Plg25.0000°,Azm29.0000°; P Plg30.0000°,Azm135.0000°

(456) Montana

ISC	**IX**	**05 20 39 53.5–.91**	**45.40N–.03**	**112.61W–.02**	**14–7**		**98**	**0-17**
NEIC	IX	05 20 39 53.9–.00	45.41N	112.62W	12	3.5L		**¶601710334**
IDC	IX	05 20 40 05.1–4.3	44.60N	112.67W	24–27	3.2,3.2L		
ISC	Event type fe.							
NEIC	Event type fe. Felt [II] at Dillon. Also felt at Silver Star. After BUT.							
IDC	Error ellipse: s-maj=24.3km s-min=14.2km az=159.0.							

(459) Yellowstone region

ISC	**IX**	**05 22 52 51.7–.84**	**44.75N–.02**	**110.95W–.02**	**9–6**		**106**	**0-9**
ISCJB	IX	05 22 52 51.2–.40	44.78N–.02	110.97W–.03	4–3			**¶601702865**
NEIC	IX	05 22 52 51.0–.00	44.78N	110.94W	7	3.7L,3.5L		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=139.7.							
NEIC	Event type fe. Felt [II] in Yellowstone National Park. Also felt at West Yellowstone, Montana. After SLC. Moment Tensor Solution. $M_0$2.40000×10^{14}							

(182) Fiji Islands

ISC	**IX**	**06 01 48 57.3–.47**	**15.71S–.10**	**179.0E–.10**	**35**	**4.8b,3.9s**	**145**	**9-145**
IDC	IX	06 01 48 51.3–.66	15.76S	179.16E	0	4.6,4.4		**¶601676721**
NEIC	IX	06 01 48 53.1–.20	15.71S	179.10E	10	4.9b,4.4		
ISCJB	IX	06 01 48 55.3–.23	15.71S–.07	179.03E–.06	33	4.7b,4.0s		
BJI	IX	06 01 49 02.3	15.31S	178.19E	54	5.2s,5.0		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=24.5km s-min=17.1km az=130.0.							
NEIC	Event type fe. Error ellipse: s-maj=10.1km s-min=5.4km az=140.0. Felt at Lambasa and Savusavu.							
ISCJB	Event type fe. Error ellipse: s-maj=11.0km s-min=6.4km az=143.1.							

(228) Near east coast of eastern Honshu

ISC	**IX**	**06 02 09 22.8–1.8**	**36.97N–.05**	**141.27E–.06**	**11–11**	**3.9b**	**34**	**0-83**
NIED	IX	06 02 09 00	36.90N	141.40E	5	4.0W		**¶601863020**
ISCJB	IX	06 02 09 21.6–1.4	36.94N–.04	141.40E–.08	17–9	3.9b		
JMA	IX	06 02 09 22.0–.10	36.95N	141.34E	27–1	4.1		
IDC	IX	06 02 09 27.7–3.1	36.89N	141.12E	52–30	3.9,3.9		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ44.00000°,λ-95.00000°. NP2:ϕ_e208.00000°,δ46.00000°,λ-85.00000°. $M_0$9.97000×10^{14}							
ISCJB	Event type fe. Error ellipse: s-maj=10.6km s-min=6.3km az=13.8.							
JMA	Felt [I] J1.							
IDC	Error ellipse: s-maj=23.9km s-min=15.8km az=65.0.							

(263) Talaud Islands

ISC	**IX**	**06 02 22 18.4–.47**	**4.45N–.03**	**126.93E–.04**	**57–4**	**5.3b,4.2s**	**828**	**2-172**
BJI	IX	06 02 22 14.5	4.14N	127.03E	63	5.2b,5.1b		**¶601676723**
MOS	IX	06 02 22 15.3–.91	4.56N	126.82E	39	5.5b,5.1b		
MAN	IX	06 02 22 18.5	4.28N	126.40E	1	5.5b,4.9s		
IDC	IX	06 02 22 18.6–1.6	4.51N	126.87E	56–14	5.1,4.9		
ISCJB	IX	06 02 22 19.4–.34	4.46N–.02	126.93E–.03	81–3	5.1b,4.9		
NEIC	IX	06 02 22 20.1–.67	4.50N	126.88E	71–6	5.3b,4.9		
DJA	IX	06 02 22 21.1–.80	4N–3.0	127E–3.0	22–7	5.5b,5.4		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [II] at Melonguanne.							

(385) Strait of Gibraltar

ISC	**IX**	**06 04 24 49.3–.55**	**36.69N–.02**	**2.85W–.01**	**14–3**		**199**	**0-12**
SFS	IX	06 04 24 50.0	36.60N	2.90W		3.3L		**¶601676729**
MDD	IX	06 04 24 50.5–.29	36.61N	2.91W	0	3.3		
LDG	IX	06 04 24 50.0–.19	36.62N	2.88W	2	3.1L		
IGIL	IX	06 04 24 50.7	36.61N	2.92W	2	3.1L		
INMG	IX	06 04 24 51.1–1.8	36.61N	2.96W	0	3.2L		
CNRM	IX	06 04 24 53.5	36.55N	2.87W	44	3.5L		
ISC	Event type ke.							
SFS	ALBORAN NORTE.							
MDD	Error ellipse: s-maj=3.0km s-min=2.3km az=127.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=158.0.							
INMG	Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=147.0.							

(78) Costa Rica

ISC	**IX**	**06 04 40 32.0–1.0**	**10.01N–.07**	**85.49W–.04**	**15–5**	**4.1b**	**126**	**0-151**
IDC	IX	06 04 40 31.2–1.6	10.94N	84.47W	0	4.3,3.9b		**¶601685407**
UCR	IX	06 04 40 32.0–1.6	9.87N	85.65W	15–11	4.2b,3.9b		
NEIC	IX	06 04 40 34.9–.87	10.01N	85.47W	35	4.2b,3.9b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=44.8km s-min=9.4km az=115.0.							
UCR	Error ellipse: s-maj=7.0km s-min=7.1km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=16.2km s-min=9.3km az=196.0. Felt at Nicoya and Hojancha.							

(78) Costa Rica

ISC	**IX**	**06 04 44 15.0–.87**	**10.25N–.07**	**85.96W–.06**	**24**	**4.1b**	**137**	**0-128**
ISCJB	IX	06 04 44 14.0–.50	10.34N–.05	85.95W–.04	24	4.0b		**¶601839178**
UCR	IX	06 04 44 13.1–2.8	10.17N	86.14W	10	4.2,4.1b		
IDC	IX	06 04 44 14.2–1.2	11.03N	85.55W	0	4.1,3.7		
NEIC	IX	06 04 44 16.4–2.4	10.33N	85.83W	29–17	4.1b,3.7		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=8.5km s-min=4.2km az=30.3.							
UCR	Error ellipse: s-maj=25.5km s-min=44.7km az=-1.0.							
IDC	Error ellipse: s-maj=79.3km s-min=15.6km az=51.0.							
NEIC	Event type fe. Error ellipse: s-maj=13.6km s-min=6.3km az=208.0. Felt at Sardinal.							

(127) Chile-Argentina border region

ISC	**IX**	**06 06 45 57.5–.68**	**33.82S–.05**	**70.06W–.08**	**105–6**	**4.4b**	**56**	**1-153**
ISCJB	IX	06 06 45 56.6–.41	33.80S–.04	70.03W–.08	110–4	4.2b		**¶601685410**
IDC	IX	06 06 45 57.6–3.0	33.72S	69.92W	98–28	4.2,4.0		
GUC	IX	06 06 45 58.0–.51	33.77S	70.21W	108–3	4.4L,4.0		
NEIC	IX	06 06 45 58.0–.00	33.77S	70.21W	108	4.6b,4.4L		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=11.2km s-min=5.9km az=179.2.							
IDC	Error ellipse: s-maj=26.0km s-min=14.4km az=96.0.							
GUC	Error ellipse: s-maj=5.9km s-min=7.3km az=-1.0.							
NEIC	Event type fe. Felt [II] at Rancagua. Also felt at Casablanca, Santiago and Talca. After GUC.							

(201) Irian Jaya

ISC	**IX**	**06 06 46 32.8–.47**	**3.65S–.03**	**140.32E–.04**	**30–2**	**5.2s,5.2b**	**338**	**1-170**
IDC	IX	06 06 46 27.6–.46	3.61S	140.35E	0	5.1,5.1s		**¶601687346**
ISCJB	IX	06 06 46 31.1–.81	3.67S–.02	140.38E–.02	33–5	5.2s,5.0b		
MOS	IX	06 06 46 32.2–1.2	3.58S	140.36E	43	5.2b,5.0s		
DJA	IX	06 06 46 32.0–.30	4S–2.0	141E–3.0	38–3	5.8b,5.7		
NEIC	IX	06 06 46 33.9–.64	3.66S	140.25E	42–6	5.4b,5.3s		
GCMT	IX	06 06 46 33.9–.10	3.51S–.01	140.43E–.01	31–0	5.6W,5.3s		
BJI	IX	06 06 46 35.4	3.03S	140.26E	35	5.4b,5.1s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=17.9km s-min=8.7km az=94.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.2km s-min=3.6km az=155.7.							
MOS	Error ellipse: s-maj=11.1km s-min=5.9km az=109.6.							
NEIC	Event type fe. Error ellipse: s-maj=5.1km s-min=4.3km az=73.0. Felt [III] at Jayapura and [II] at Genyem.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c217; s131,c229; Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.20±.04 $M_{\theta\theta}$-2.10±.03; $M_{\phi\phi}$-0.09±.03; $M_{r\theta}$-2.39±.07; $M_{\theta\phi}$0.70±.03; $M_{\phi r}$1.52±.07; Best double couple: NP1:ϕ_s299.00000°,δ71.00000°,λ98.00000°. NP2:ϕ_s96.00000°,δ21.00000°,λ68.00000°. Principal axes: T 3.6140,Plg63.0000°,Azm222.0000°; N 0.0270,Plg8.0000°,Azm117.0000°; P -3.6380,Plg26.0000°,Azm23.0000° $M_0$3.62600×10^{17}							

(76) Off coast of central America

ISC	**IX**	**06 06 47 33.5–1.1**	**12.36N–.04**	**88.60W–.04**	**31–7**	**4.9b,4.3s**	**932**	**1-148**
IDC	IX	06 06 47 29.0–.48	12.53N	88.36W	0	4.8,4.7		**¶601676734**
MOS	IX	06 06 47 32.5–1.2	12.43N	88.43W	33	5.1b,4.7		
ISCJB	IX	06 06 47 32.3–.17	12.41N–.02	88.56W–.02	33	4.8b,4.3s		
UCR	IX	06 06 47 33.1–1.4	12.33N	88.68W	36–999	4.9b,4.6L		
NEIC	IX	06 06 47 34.5–.21	12.37N	88.52W	35	4.9b,4.8		
GCMT	IX	06 06 47 34.5–.80	12.36N–.04	88.67W–.05	28–1	5.0W,4.8		
BJI	IX	06 06 47 35.5	12.40N	88.50W	35	5.3b,5.1		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=25.0km s-min=9.7km az=58.0.							
MOS	Error ellipse: s-maj=12.5km s-min=4.9km az=115.3.							
ISCJB	Event type fe. Error ellipse: s-maj=3.1km s-min=1.8km az=36.6.							
UCR	Error ellipse: s-maj=9.6km s-min=5.4km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=214.0. Felt [I] at Usulutan.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s59,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.86±.25 $M_{\theta\theta}$1.02±.15; $M_{\phi\phi}$1.85±.17; $M_{r\theta}$2.45±.27; $M_{\theta\phi}$-1.04±.10; $M_{\phi r}$-1.56±.22; Best double couple: NP1:ϕ_s310.00000°,δ69.00000°,λ-100.00000°. NP2:ϕ_s156.00000°,δ23.00000°,λ-66.00000°. Principal axes: T 3.7060,Plg23.0000°,Azm48.0000°; N 0.5100,Plg9.0000°,Azm313.0000°; P -4.2050,Plg65.0000°,Azm203.0000° $M_0$3.95600×10^{16}							

(78) Costa Rica

ISC	**IX**	**06 09 07 14.1–.91**	**9.98N–.06**	**85.37W–.06**	**62–7**	**4.6b**	**774**	**1-153**
UCR	IX	06 09 07 09.6–2.1	9.80N	85.45W	7	4.4b,4.2		**¶601685412**
IDC	IX	06 09 07 11.4–2.6	10.05N	85.49W	35–17	4.5,4.5s		
ISCJB	IX	06 09 07 12.0–.22	10.19N–.03	85.33W–.02	50	4.6b,4.5s		
NEIC	IX	06 09 07 12.1–.35	10.11N	85.34W	35	4.6b,4.5s		
GCMT	IX	06 09 07 15.0–.20	9.69N–.01	85.60W–.01	20–0	5.2W,4.5s		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt in the Liberia-Nicoya area.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s74,c119; s98,c188;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.83±.17 $M_{\theta\theta}$-5.22±.12; $M_{\phi\phi}$-0.61±.12; $M_{r\theta}$4.40±.23; $M_{\theta\phi}$2.51±.08; $M_{\phi r}$-2.66±.23; Best double couple: NP1:ϕ_s119.00000°,δ65.00000°,λ95.00000°. NP2:ϕ_s288.00000°,δ25.00000°,λ80.00000°. Principal axes: T 7.7390,Plg69.0000°,Azm38.0000°; N 0.4390,Plg4.0000°,Azm297.0000°; P -8.1850,Plg20.0000°,Azm205.0000° $M_0$7.96200×10^{16}							

(115) Near coast of Peru

ISC	**IX**	**06 21 04 21.7–.30**	**16.15S–.05**	**73.50W–.05**	**50–2**	**4.8b,4.0s**	**612**	**4-172**
ISCJB	IX	06 21 04 19.7–.16	15.95S–.03	73.43W–.04	50	4.8b,4.1s		**¶601687273**
NEIC	IX	06 21 04 21.6–.42	16.05S	73.40W	49–4	4.8L,4.8b		
BJI	IX	06 21 04 21.0	16.10S	73.50W	35	5.2s,5.1b		
IDC	IX	06 21 04 22.1–.37	16.06S	73.43W	50–2	4.6,4.5		
GCMT	IX	06 21 04 23.6–.30	16.30S–.02	73.94W–.02	72–2	5.1W,4.5		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [IV] at Atico; [III] at Camana and Yauca; [II] at Arequipa.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c67; s88,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.65±.14 $M_{\theta\theta}$-0.55±.14; $M_{\phi\phi}$-3.11±.17; $M_{r\theta}$-0.32±.09; $M_{\theta\phi}$3.29±.11; $M_{\phi r}$-1.57±.14; Best double couple: NP1:ϕ_s167.00000°,δ56.00000°,λ119.00000°. NP2:ϕ_s302.00000°,δ43.00000°,λ54.00000°. Principal axes: T 4.2920,Plg65.0000°,Azm131.0000°; N 1.1980,Plg24.0000°,Azm330.0000°; P -5.4980,Plg7.0000°,Azm237.0000° $M_0$4.89500×10^{16}							

(228) Near east coast of eastern Honshu

ISC	**IX**	**06 21 05 13.7–.82**	**35.55N–.05**	**140.26E–.06**	**63–8**	**3.8b**	**37**	**0-118**
NIED	IX	06 21 05 00	35.70N	140.20E	65	4.0W		**¶601863070**
ISCJB	IX	06 21 05 12.7–.47	35.57N–.04	140.25E–.06	69–4	3.8b		
JMA	IX	06 21 05 13.5–.20	35.65N	140.18E	63–2	3.2		
IDC	IX	06 21 05 14.2–1.2	35.51N	140.29E	69–10	3.9,3.7		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ26.00000°,λ94.00000°. NP2:ϕ_s3.00000°,δ64.00000°,λ88.00000°. $M_0$9.55000×10^{14}							
ISCJB	Event type fe. Error ellipse: s-maj=8.4km s-min=5.9km az=177.1.							
JMA	Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_e4.00000°,δ76.00000°,λ81.00000°. NP2: ϕ_s217.00000°,δ16.00000°,λ122.00000°. Principal axes: T Plg58.0000°,Azm262.0000°; N Plg9.0000°,Azm6.0000°; P Plg31.0000°,Azm101.0000°							
IDC	Error ellipse: s-maj=15.9km s-min=6.3km az=71.0.							

(76) Off coast of central America

ISC	**IX**	**06 23 30 01.8–.81**	**12.35N–.05**	**88.47W–.05**	**54–7**	**5.0s,4.8b**	**941**	**1-149**
UCR	IX	06 23 29 57.6–2.2	12.22N	88.60W	20–9	4.8b,4.3L		**¶601687277**
IDC	IX	06 23 30 01.2–1.4	12.46N	88.39W	45–13	4.5,4.5		
MOS	IX	06 23 30 01.3–1.0	12.37N	88.35W	62	4.9b,4.5		
ISCJB	IX	06 23 30 01.2–.32	12.39N–.02	88.36W–.02	65–2	4.7b,4.5		
NEIC	IX	06 23 30 03.0–.48	12.37N	88.33W	62–4	4.8b,4.5		
GCMT	IX	06 23 30 03.0–.30	12.09N–.02	88.89W–.02	13–0	5.2W,4.5		
BJI	IX	06 23 30 04.0	12.40N	88.30W	65	5.2W,4.5		
ISC	Event type fe.							
UCR	Error ellipse: s-maj=6.2km s-min=6.4km az=-1.0.							
IDC	Error ellipse: s-maj=19.2km s-min=7.9km az=47.0.							
MOS	Error ellipse: s-maj=12.8km s-min=5.3km az=112.2.							
ISCJB	Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=41.2.							
NEIC	Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=214.0. Felt [I] at San Salvador.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c104; s76,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.57±.19 $M_{\theta\theta}$-5.19±.16; $M_{\phi\phi}$-0.38±.17; $M_{r\theta}$2.98±.43; $M_{\theta\phi}$1.62±.14; $M_{\phi r}$-3.89±.49; Best double couple: NP1:ϕ_s128.00000°,δ66.00000°,λ108.00000°. NP2:ϕ_s270.00000°,δ30.00000°,λ56.00000°. Principal axes: T 7.8040,Plg65.0000°,Azm68.0000°; N -0.7400,Plg16.0000°,Azm301.0000°; P -7.0660,Plg19.0000°,Azm205.0000° $M_0$7.43500×10^{16}							

(706) Northern Sumatera

ISC	**IX**	**07 00 55 46.6–.54**	**0.13N–.04**	**98.50E–.05**	**48**	**4.4b**	**65**	**0-144**
IDC	IX	07 00 55 39.2–1.3	0.01S	98.60E	0	4.3,4.2		**¶601692009**
ISCJB	IX	07 00 55 44.2–.40	0.08N–.04	98.47E–.05	48	4.5b,4.4s		
NEIC	IX	07 00 55 46.0–.54	0.10N	98.60E	47–5	4.5b,4.4s		
DJA	IX	07 00 55 46.6–.30	0N–3.0	99E–4.0	33–8	4.5b,4.4		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [III] at Natal, Sumatra.							

(78) Costa Rica

ISC	**IX**	**07 01 21 26.8–.85**	**10.22N–.07**	**85.19W–.06**	**56–6**	**4.4b,3.5s**	**433**	**0-151**
UCR	IX	07 01 21 21.2–1.9	9.85N	85.50W	7	4.5b,3.1L		**¶601692010**
IDC	IX	07 01 21 24.3–2.2	10.14N	85.37W	35–16	4.2,4.1		
ISCJB	IX	07 01 21 26.0–.39	10.24N–.04	85.22W–.03	62–3	4.4b,4.1		
NEIC	IX	07 01 21 25.9–.53	10.25N	85.22W	43–4	4.5b,4.1		
ISC	Event type fe.							
UCR	Error ellipse: s-maj=5.6km s-min=4.9km az=-1.0.							
IDC	Error ellipse: s-maj=31.6km s-min=15.6km az=50.0.							
ISCJB	Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=30.2.							
NEIC	Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=209.0. Felt at Santa Cruz.							

(123) Northern Chile

ISC	**IX**	**07 02 37 01.1–.40**	**22.40S–.03**	**68.36W–.04**	**109–3**	**4.8b**	**427**	**1-174**
ISCJB	IX	07 02 36 58.9–.34	22.33S–.03	68.19W–.03	100–2	4.7b		**¶601687282**
NEIC	IX	07 02 36 59.9–.40	22.35S	68.19W	94–3	5.1L,5.0W		
MOS	IX	07 02 36 59.6–1.6	22.39S	68.42W	105	4.8b,5.0W		
GUC	IX	07 02 37 01.4–.66	22.39S	68.63W	125–5	5.1L,5.0W		
SJA	IX	07 02 37 01.8–.80	22.56S	68.42W	104–8	4.1W,3.8L		
IDC	IX	07 02 37 01.9–.55	22.24S	68.20W	112–4	4.8,4.5		
BJI	IX	07 02 37 02.5	22.30S	68.20W	96	5.3b,4.5		
GCMT	IX	07 02 37 05.7–.30	22.43S–.02	68.66W–.02	135–3	5.0W,4.5		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [IV] at Calama, [III] at Oficina Maria Elena and [II] at Tocopilla. Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61 $M_{\theta\theta}$0.88 $M_{\phi\phi}$1.74 $M_{r\theta}$0.54 $M_{\theta\phi}$-1.82 $M_{\phi r}$-1.78 Best double couple: NP1:ϕ_s335.00000°,δ62.00000°,λ-76.00000°. NP2: ϕ_s126.00000°,δ31.00000°,λ-115.00000°. Principal axes: T 3.6600,Plg16.0000°,Azm54.0000°; N -0.4100,Plg13.0000°,Azm148.0000°; P -3.2500,Plg70.0000°,Azm275.0000° $M_0$3.50000×10^{16}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s69,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.15 $M_{\theta\theta}$1.13±.17; $M_{\phi\phi}$1.65±.22; $M_{r\theta}$1.10±.10; $M_{\theta\phi}$-1.79±.13; $M_{\phi r}$-3.24±.14; Best double couple: NP1:ϕ_s336.00000°,δ70.00000°,λ-77.00000°. NP2:ϕ_s121.00000°,δ24.00000°,λ-123.00000°. Principal axes: T 4.6200,Plg24.0000°,Azm56.0000°; N -0.1260,Plg13.0000°,Azm151.0000°; P -4.4940,Plg63.0000°,Azm267.0000° $M_0$4.55700×10^{16}							

(318) Yunnan

ISC	**IX**	**07 03 19 43.1–.41**	**27.48N–.02**	**104.05E–.02**	**15–2**	**5.6b,5.4s**	**1304**	**3-175**
ISCJB	IX	07 03 19 40.1–.54	27.55N–.02	103.98E–.01	6–3	5.5b,5.3s		**¶601696464**
BJI	IX	07 03 19 41.5	27.51N	103.97E	14	6.1L,5.7		
MOS	IX	07 03 19 41.7–.91	27.56N	103.98E	27	5.7b,5.3s		
NEIC	IX	07 03 19 42.0–.00	27.31N	104.49E	11	5.7b,5.3s		

NEIC IX 07 03 19 42.5–.11 27.58N 103.98E 10 5.6W,5.6b
GCMT IX 07 03 19 43.5–.10 27.47N–.01 104.12E–.01 12 5.6W,5.6b
IDC IX 07 03 19 46.1–1.8 27.55N 103.97E 33–13 5.4,5.2
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=2.2km az=174.7.
MOS Error ellipse: s-maj=4.9km s-min=3.1km az=122.4.
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}1.67 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.42 $M_{r\theta}$-0.90 $M_{\theta\phi}$-0.84 $M_{\phi r}$-0.98 Best double couple: NP1:ϕ_s217.00000° ,δ64.00000°,λ99.00000°. NP2:ϕ_s17.00000°,δ28.00000°,λ72.00000°. Principal axes: T 2.1400,Plg69.0000°,Azm146.0000°; N 0.1400,Plg8.0000°,Azm33.0000° ; P -2.2800,Plg18.0000°,Azm300.0000° $M_0$2.20000×10^{17}
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.6km az=203.0. At least 81 people killed, 821 injured, 37,000 buildings destroyed, 133,000 houses damaged and landslides and power outages occurred in the epicentral area. Felt strongly at Zhaotong and [II] at Chengdu. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.92 $M_{\theta\phi}$-3.17 $M_{\phi r}$0.82 Best double couple: NP1:ϕ_s356.00000°,δ77.00000°,λ14.00000°. NP2:ϕ_s263.00000°,δ76.00000°,λ167.00000°. Principal axes: T 3.6400,Plg19.0000° ,Azm220.0000°; N -0.3900,Plg71.0000°,Azm37.0000°; P -3.2500,Plg1.0000°,Azm129.0000° $M_0$3.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c173; s131,c322;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.70±.03 $M_{\theta\theta}$0.69±.03; $M_{\phi\phi}$-2.39±.03; $M_{r\theta}$-0.97±.09; $M_{\theta\phi}$-1.78±.03; $M_{\phi r}$-0.23±.09; Best double couple: NP1:ϕ_s236.00000°,δ63.00000°,λ136.00000°. NP2:ϕ_s350.00000°,δ51.00000°,λ35.00000°. Principal axes: T 2.4360,Plg49.0000° ,Azm197.0000°; N 0.8490,Plg40.0000°,Azm32.0000°; P -3.2810,Plg7.0000°,Azm296.0000° $M_0$2.85800×10^{17}
IDC Error ellipse: s-maj=8.6km s-min=7.1km az=33.0.

(318) Yunnan

ISC	**IX**	**07 04 16 33.1–.47**	**27.52N–.02**	**104.13E–.02**	**27–3**	**5.5b,5.0s**	**1188**	**2-172**
MOS	IX	07 04 16 30.3–.92	27.57N	104.00E	20	5.6b,4.9s		**¶601696467**
BJI	IX	07 04 16 30.0	27.56N	104.03E	14	5.8L,5.6s		
NEIC	IX	07 04 16 30.5–.10	27.57N	104.01E	10	5.8L,5.5b		
ISCJB	IX	07 04 16 30.0–.64	27.59N–.02	104.04E–.02	17–4	5.4b,4.9s		
GCMT	IX	07 04 16 32.5–.10	27.47N–.01	104.19E–.01	12	5.3W,4.9s		
IDC	IX	07 04 16 35.8–1.5	27.57N	104.05E	48–14	5.2,5.1L		

ISC Event type de.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=123.7.
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.3km az=207.0. Casualties and damage included with event at 0319 UTC.
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=2.3km az=174.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c103; s115,c215;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.46±.02 $M_{\theta\theta}$0.55±.02; $M_{\phi\phi}$-1.02±.01; $M_{r\theta}$-0.38±.05; $M_{\theta\phi}$-0.46±.01; $M_{\phi r}$0.30±.04; Best double couple: NP1:ϕ_s338.00000°,δ69.00000°,λ34.00000°. NP2:ϕ_s234.00000°,δ58.00000°,λ155.00000°. Principal axes: T 1.0370,Plg39.0000° ,Azm199.0000°; N 0.1300,Plg51.0000°,Azm5.0000°; P -1.1700,Plg7.0000°,Azm104.0000° $M_0$1.10300×10^{17}
IDC Error ellipse: s-maj=8.6km s-min=7.2km az=50.0.

(228) Near east coast of eastern Honshu

JMA	**IX**	**07 04 20 13.9–.10**	**39.28N**	**142.24E**	**43–1**	**3.6**		
								¶606026044

JMA Felt [I] J1.

(228) Near east coast of eastern Honshu

JMA	**IX**	**07 05 36 40.2–.10**	**36.41N**	**141.04E**	**46–1**	**3.5**		
								¶606026074

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**07 06 17 30.1–1.2**	**36.68N–.03**	**141.06E–.06**	**27–7**	**4.4b**	**93**	**0-147**
NIED	IX	07 06 17 00	36.70N	141.20E	8	3.9W		**¶601715679**
BJI	IX	07 06 17 26.5	36.63N	141.18E	20	4.7b,4.4b		
JMA	IX	07 06 17 28.5–.10	36.66N	141.13E	30–1	4.3,4.4b		
ISCJB	IX	07 06 17 28.8–.63	36.66N–.03	141.10E–.04	28–3	4.4b,4.4s		
NEIC	IX	07 06 17 32.2–.74	36.61N	141.01E	43–6	4.4b,4.4s		
IDC	IX	07 06 17 34.5–1.9	36.57N	140.84E	68–17	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ48.00000°,λ-53.00000°. NP2:ϕ_s349.00000°,δ53.00000°,λ-124.00000°. $M_0$8.50000×10^{14}
JMA Felt [II] J1.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=20.6.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=114.0. Recorded [2 JMA] in Fukushima and Ibaraki.
IDC Error ellipse: s-maj=16.8km s-min=10.1km az=76.0.

(259) Mindanao

ISC	**IX**	**07 10 43 11.9–.75**	**7.12N–.03**	**127.21E–.05**	**53–6**	**4.7b,4.2s**	**266**	**1-162**
MAN	IX	07 10 43 07.8	7.12N	127.16E	8	5.6b,5.0s		**¶601687356**
MOS	IX	07 10 43 08.6–.97	7.20N	126.81E	33	5.1b,5.0s		
DJA	IX	07 10 43 09.8–1.2	7N–9.0	127E–6.0	33–26	5.5,5.2b		
BJI	IX	07 10 43 10.4	7.25N	127.05E	48	5.0b,4.8b		
ISCJB	IX	07 10 43 11.2–.52	7.14N–.02	127.08E–.04	61–4	4.7b,4.8b		
GCMT	IX	07 10 43 11.8–.30	7.07N–.02	127.23E–.02	23–1	5.0W,4.8b		
NEIC	IX	07 10 43 12.8–.72	7.13N	126.94E	60–7	4.9b,4.8b		
IDC	IX	07 10 43 12.7–1.5	7.16N	126.93E	58–13	4.6,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=6.0km az=110.9.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=172.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s77,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.21 $M_{\theta\theta}$-0.04±.12; $M_{\phi\phi}$-2.89±.13; $M_{r\theta}$0.89±.18; $M_{\theta\phi}$-0.55±.06; $M_{\phi r}$1.30±.16; Best double couple: NP1:ϕ_s21.00000°,δ59.00000°,λ101.00000°. NP2:ϕ_s180.00000°,δ33.00000°,λ72.00000°. Principal axes: T 3.3890,Plg73.0000° ,Azm321.0000°; N -0.0560,Plg10.0000°,Azm195.0000°; P -3.3290,Plg13.0000° ,Azm103.0000° $M_0$3.35900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=83.0. Felt [II PIVS] at Davao and Mati.
IDC Error ellipse: s-maj=14.9km s-min=8.5km az=86.0.

(267) Halmahera

ISC	**IX**	**07 12 30 31.9–.33**	**2.44N–.03**	**128.20E–.03**	**167–2**	**5.1b**	**620**	**2-167**
BJI	IX	07 12 30 26.4	2.11N	128.60E	164	5.0b,4.9b		**¶601692022**
ISCJB	IX	07 12 30 30.4–.30	2.48N–.02	128.27E–.02	166–2	5.0b,4.9b		
KLM	IX	07 12 30 30.0	2.55N	128.59E	147	5.3b,4.9b		
IDC	IX	07 12 30 31.3–.49	2.47N	128.22E	161–4	5.0,4.6		
GCMT	IX	07 12 30 31.7–.20	2.59N–.01	128.23E–.01	157–1	5.1W,4.6		
NEIC	IX	07 12 30 31.7–.52	2.46N	128.24E	165–5	5.3b,4.6		
MOS	IX	07 12 30 32.1–.95	2.49N	128.18E	182	5.1b,4.6		
DJA	IX	07 12 30 33.7–.20	2N–2.0	128E–1.0	146–2	5.8b,5.6		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c102; s118,c183;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.47±.12 $M_{\theta\theta}$-4.08±.14; $M_{\phi\phi}$-0.38±.15; $M_{r\theta}$3.09±.10; $M_{\theta\phi}$0.79±.14; $M_{\phi r}$-3.63±.11; Best double couple: NP1:ϕ_s127.00000°,δ69.00000°,λ107.00000°. NP2:ϕ_s267.00000°,δ26.00000°,λ53.00000°. Principal axes: T 6.9370,Plg62.0000° ,Azm62.0000°; N -1.0870,Plg15.0000°,Azm301.0000°; P -5.8450,Plg23.0000° ,Azm204.0000° $M_0$6.39100×10^{16}
NEIC Event type fe. Felt at Manado.

(39) Central California

ISC	**IX**	**07 13 22 10.9–1.1**	**36.07N–.02**	**120.06W–.02**	**17–9**		**199**	**0-15**
IDC	IX	07 13 22 07.8–4.0	36.10N	120.05W	0	3.4L,3.3		**¶601692026**
NEIC	IX	07 13 22 10.0–.00	36.12N	120.05W	11	3.7W,3.3		

ISC Event type fe.
IDC Error ellipse: s-maj=53.2km s-min=20.5km az=89.0.
NEIC Event type fe. Felt at Huron. After NCEDC. Moment Tensor Solution. $M_0$4.10000×10^{14}

(39) Central California

ISC	**IX**	**07 13 23 48.4–1.1**	**36.12N–.02**	**120.06W–.02**	**9–7**	**4.1b,3.4s**	**155**	**0-148**
IDC	IX	07 13 23 47.2–.96	35.82N	120.12W	0	4.2,4.1b		**¶601692027**
NEIC	IX	07 13 23 48.1–.00	36.12N	120.00W	10	4.1W,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=14.9km az=140.0.
NEIC Event type fe. Felt [III] at Huron and [II] at Coalinga, Hanford, Lemoore, Porterville, Springville, Tulare and Visalia. Felt in much of Fresno, Kings and Tulare Counties. After NCEDC. Moment Tensor Solution. $M_0$1.50000×10^{15}

(385) Strait of Gibraltar

ISC	**IX**	**07 18 10 51.7–.91**	**36.93N–.02**	**3.65W–.02**	**14–7**		**191**	**0-8**
CNRM	IX	07 18 10 52.0	36.80N	3.52W	132	3.1L		**¶601692037**
SFS	IX	07 18 10 52.0	36.92N	3.70W		2.9L		
MDD	IX	07 18 10 52.4–.19	36.90N	3.72W	0	3.0		
IGIL	IX	07 18 10 52.8	36.91N	3.73W	2	3.0		
INMG	IX	07 18 10 53.2–1.4	36.93N	3.68W	0	2.8L		
LDG	IX	07 18 10 53.1–.27	36.84N	3.71W	2	3.5L		

ISC Event type ke.
SFS ALBUUELAS. (GRANADA).
MDD Error ellipse: s-maj=2.6km s-min=1.5km az=34.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=19.0.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=3.1km az=173.0.

(76) Off coast of central America

ISC	**IX**	**07 19 12 24.4–.81**	**12.46N–.05**	**88.75W–.04**	**53–7**	**4.6b,3.9s**	**716**	**1-148**
UCR	IX	07 19 12 20.4–1.4	12.34N	88.93W	20–4	4.7b,4.3L		**¶601695789**
ISCJB	IX	07 19 12 23.4–.36	12.47N–.03	88.75W–.02	61–2	4.7b,4.3L		
MOS	IX	07 19 12 23.5–1.1	12.55N	88.67W	53	4.8b,4.3L		
NEIC	IX	07 19 12 25.0–.42	12.50N	88.67W	58–4	4.7b,4.4		
IDC	IX	07 19 12 25.1–2.1	12.66N	88.55W	50–19	4.4,4.3		

ISC Event type fe.
UCR Error ellipse: s-maj=3.8km s-min=3.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.5km az=34.7.
MOS Error ellipse: s-maj=13.2km s-min=5.4km az=109.3.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=210.0. Felt [I] at San Vicente.
IDC Error ellipse: s-maj=24.2km s-min=10.6km az=49.0.

(236) Shikoku

ISC	**IX**	**08 01 41 24.8–.46**	**33.78N–.03**	**132.31E–.03**	**54–4**	**4.5b,3.5s**	**314**	**0-151**
NIED	IX	08 01 41 00	33.80N	132.30E	53	4.5W,3.5s		**¶601695801**
BJI	IX	08 01 41 17.5	33.31N	132.87E	45	4.6b,4.4b		
MOS	IX	08 01 41 23.4–1.1	33.74N	132.23E	54	4.8b,4.4b		
ISCJB	IX	08 01 41 23.8–.24	33.78N–.02	132.23E–.03	53–2	4.5b,3.5s		
JMA	IX	08 01 41 24.8	33.81N	132.31E	50	4.5,3.5s		
NEIC	IX	08 01 41 25.2–.16	33.77N	132.21E	53	4.6b,3.5s		
IDC	IX	08 01 41 25.8–1.1	33.78N	132.11E	61–10	4.3,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ8.00000°,λ68.00000°. NP2:ϕ_s321.00000°,δ83.00000°,λ93.00000°. $M_0$6.88000×10^{15}
MOS Error ellipse: s-maj=7.6km s-min=5.0km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=32.5.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ72.00000°,λ79.00000°. NP2:ϕ_s177.00000°,δ21.00000°,λ120.00000°. Principal axes: T Plg62.0000°,Azm218.0000°; N Plg11.0000°,Azm329.0000°; P Plg26.0000° ,Azm64.0000°
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.6km az=156.0. Felt at Matsuyama. Also felt at Iwakuni and Kure, Honshu. Recorded [3 JMA] in Ehime, Shikoku and in Hiroshima and Yamaguchi, Honshu. Recorded [2 JMA] in Oita, Kyushu.
IDC Error ellipse: s-maj=11.8km s-min=8.2km az=97.0.

(193) Bougainville-Solomon Islands region

ISC	**IX**	**08 04 11 46.7–.28**	**9.86S–.04**	**160.61E–.05**	**37**	**5.2b,4.6s**	**507**	**1-165**
MOS	IX	08 04 11 46.7–.90	9.79S	160.39E	44	5.3b,4.7s		**¶604029795**
IDC	IX	08 04 11 46.4–1.8	9.88S	160.55E	32–12	4.8,4.7		
ISCJB	IX	08 04 11 46.0–.13	9.84S–.03	160.40E–.02	37	5.1b,4.6s		
GCMT	IX	08 04 11 47.5–.20	10.08S–.01	160.54E–.01	33–0	5.2W,4.6s		
BJI	IX	08 04 11 48.8	9.80S	160.40E	41	5.1b,4.9b		
NEIC	IX	08 04 11 48.5–.68	9.85S	160.40E	48–6	5.2b,4.9b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.1km s-min=6.8km az=80.2.
IDC Error ellipse: s-maj=16.5km s-min=10.5km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=155.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c133; s95,c147;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57±.02 $M_{\theta\theta}$-0.62±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$0.23±.02; $M_{\theta\phi}$0.38±.01; $M_{\phi r}$-0.38±.02; Best double couple: NP1:ϕ_s136.00000°,δ63.00000°,λ115.00000°. NP2:ϕ_s269.00000°,δ36.00000°,λ50.00000°. Principal axes: T 0.7670,Plg63.0000° ,Azm87.0000°; N 0.1140,Plg22.0000°,Azm304.0000°; P -0.8810,Plg15.0000°,Azm208.0000° $M_0$0.82400×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=122.0. Felt at Honiara.

(28) Washington-Oregon border region

ISC	**IX**	**08 04 57 43.1–1.3**	**45.14N–.02**	**122.67W–.02**	**3–11**		**81**	**0-6**
ISCJB	IX	08 04 57 44.3–.56	45.13N–.01	122.67W–.03	8–4			**¶601699569**
NEIC	IX	08 04 57 45.2–.00	45.12N	122.69W	23	3.5L		
PNSN	IX	08 04 57 45.2	45.12N	122.69W	24	3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=178.6.
NEIC Event type fe. Felt [III] at Aurora, Clackamas, Fairview, Gladstone, Hubbard, Lake Oswego, Molalla and Portland. Felt in much of the Portland-Salem area. Also felt in the Vancouver area, Washington. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s45.00000°,δ45.00000°,λ70.00000°.

(39) Central California

ISC	**IX**	**08 08 39 22.8–1.2**	**36.29N–.02**	**120.27W–.02**	**3–10**		**81**	**0-4**
ISCJB	IX	08 08 39 23.1–.39	36.31N–.02	120.28W–.03	4–4			**¶601777922**
NEIC	IX	08 08 39 23.1–.00	36.30N	120.31W	8	2.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=165.1.
NEIC Event type fe. Felt at Clovis, Corcoran and Hanford. After NCEDC.

(78) Costa Rica

ISC	**IX**	**08 09 50 21.6–.60**	**10.32N–.05**	**85.74W–.04**	**34–1**	**4.5b,3.5s**	**437**	**0-151**
UCR	IX	08 09 50 20.8–1.4	10.22N	85.78W	20–9	4.5b,4.2		**¶601696488**
IDC	IX	08 09 50 21.9–2.2	10.51N	85.64W	33–16	4.3,4.2		
NEIC	IX	08 09 50 22.2–.35	10.40N	85.62W	34	4.5b,4.2		

ISC Event type fe.
UCR Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=13.6km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.7km az=206.0. Felt at Jaco.

(196) Irian Jaya region

ISC	**IX**	**08 10 51 45.6–.41**	**3.22S–.02**	**135.10E–.03**	**32–2**	**6.0b,5.9s**	**1948**	**2-172**
BJI	IX	08 10 51 39.7	3.18S	135.19E	8	5.9b,5.8s		**¶601833355**
IDC	IX	08 10 51 41.1–.28	3.16S	135.09E	0	5.7,5.7s		
ISCJB	IX	08 10 51 42.9–.62	3.19S–.02	135.11E–.01	24–4	5.9b,5.9s		
MOS	IX	08 10 51 42.3–.84	3.17S	135.12E	20	6.0b,5.8s		
DJA	IX	08 10 51 44.5–.60	3S–2.0	135E–1.0	20–4	6.7,6.6b		
NEIC	IX	08 10 51 44.0–.00	3.18S	135.41E	23	6.7,6.6b		
NEIC	IX	08 10 51 44.2–.07	3.18S	135.11E	21	6.4,6.2b		
GCMT	IX	08 10 51 47.2–.10	3.22S	134.99E	25–0	6.1W,6.2b		
NEIC	IX	08 10 51 57.7–.00	3.23S	135.04E	28	6.1W,6.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=23.4.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=114.2.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.13 $M_{\theta\phi}$-0.25 $M_{\phi r}$-0.98 Best double couple: NP1:ϕ_s227.00000° ,δ63.00000°,λ52.00000°. NP2:ϕ_s107.00000°,δ45.00000°,λ141.00000°. Principal axes: T 1.6200,Plg54.0000°,Azm88.0000°; N -0.3700,Plg33.0000°,Azm246.0000° ; P -1.2500,Plg10.0000°,Azm343.0000° $M_0$1.50000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=2.4km az=63.0. Felt [IV] at Nabire, [III] at Kaimana and Wasior and [II] at Mulia and Timika. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ71.00000°,λ46.00000°. NP2:ϕ_s111.00000° ,δ47.00000°,λ153.00000°. Principal axes: T 1.1000,Plg46.0000°,Azm86.0000° ; N 0.0400,Plg41.0000°,Azm237.0000°; P -1.1500,Plg15.0000°,Azm340.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s111.00000°,δ48.00000° ,λ153.00000°. NP2:ϕ_s220.00000°,δ70.00000°,λ45.00000°. Principal axes: T Plg45.0000° ,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg13.0000°,Azm341.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c335; s134,c450; Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$-1.33±.01; $M_{\phi\phi}$0.60±.01; $M_{r\theta}$-0.50±.02; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-1.66±.03; Best double couple: NP1:ϕ_s217.00000° ,δ78.00000°,λ57.00000°. NP2:ϕ_s110.00000°,δ35.00000°,λ159.00000°. Principal axes: T 2.3290,Plg46.0000°,Azm93.0000°; N -0.5490,Plg32.0000°,Azm224.0000° ; P -1.7830,Plg26.0000°,Azm332.0000° $M_0$2.05600×10^{18}

NEIC Event type se. Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.69 $M_{\theta\phi}$-0.31 $M_{\phi r}$-0.94 Best double couple: NP1:ϕ_s229.00000° ,δ72.00000°,λ59.00000°. NP2:ϕ_s111.00000°,δ35.00000°,λ147.00000°. Principal axes: T 1.6500,Plg53.0000°,Azm102.0000°; N 0.0100,Plg29.0000°,Azm240.0000° ; P -1.6600,Plg21.0000°,Azm342.0000° M_o1.60000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**IX**	**08 11 59 58.4–2.4**	**39.06N–.05**	**142.4E–.10**	**24–17**		**19**	**1-59**
IDC	IX	08 11 59 54.9–1.5	38.73N	143.16E	0	3.5,3.3		**¶601863165**
ISCJB	IX	08 11 59 58.1–1.7	39.04N–.05	142.4E–.10	27–10	3.5b,3.3		
JMA	IX	08 11 59 59.1–.10	39.08N	142.39E	33–1	3.4,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=25.8km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=7.2km az=13.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(77) Off coast of Costa Rica

ISC	**IX**	**08 12 01 07.1–1.4**	**9.87N–.06**	**85.58W–.04**	**28–8**	**4.2b**	**100**	**0-151**
UCR	IX	08 12 01 06.0–2.0	9.85N	85.66W	9–9	4.3b,4.0		**¶601696493**
ISCJB	IX	08 12 01 07.3–.75	9.87N–.05	85.63W–.04	39–5	4.3s,4.1b		
IDC	IX	08 12 01 08.0–5.1	9.88N	85.51W	33–29	4.5,4.5s		
NEIC	IX	08 12 01 08.8–.62	9.95N	85.49W	35	4.3b,4.0		

ISC Event type fe.
UCR Error ellipse: s-maj=4.5km s-min=5.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.6km az=30.7.
IDC Error ellipse: s-maj=55.5km s-min=24.1km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=6.4km az=195.0. Felt at Tempate.

(265) Minahassa Peninsula, Sulawesi

ISC	**IX**	**08 12 35 38.8–.30**	**1.13N–.04**	**120.66E–.04**	**32**	**4.8b,4.0s**	**240**	**1-163**
IDC	IX	08 12 35 33.3–.42	1.13N	120.66E	0	4.6,4.6		**¶601696495**
BJI	IX	08 12 35 35.0	0.81N	120.93E	38	5.0b,5.0b		
DJA	IX	08 12 35 37.8–.60	1N–5.0	121E–2.0	10	5.2b,5.2b		
ISCJB	IX	08 12 35 37.3–.16	1.22N–.02	120.72E–.03	32	4.7b,4.0s		
MOS	IX	08 12 35 38.5–1.1	1.14N	120.67E	48	5.1b,4.0s		
NEIC	IX	08 12 35 42.7–.65	1.10N	120.75E	73–6	4.8b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=14.6km s-min=9.9km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=161.6.
MOS Error ellipse: s-maj=8.6km s-min=5.2km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=53.0. Felt [III] at Buol.

(228) Near east coast of eastern Honshu

ISC	**IX**	**08 15 49 11.9–1.3**	**35.79N–.04**	**141.00E–.07**	**12–7**	**3.5b**	**27**	**0-60**
NIED	IX	08 15 49 00	35.80N	141.10E	8	3.7W		**¶601863174**
IDC	IX	08 15 49 10.5–1.1	35.74N	140.96E	0	3.6,3.5		
ISCJB	IX	08 15 49 11.2–.84	35.78N–.03	141.06E–.08	20–5	3.6b,3.5		
JMA	IX	08 15 49 12.4–.20	35.76N	140.98E	15–1	3.8,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ47.00000°,λ-134.00000°. NP2:ϕ_s339.00000°,δ59.00000°,λ-54.00000°. M_o3.79000×10^{14}
IDC Error ellipse: s-maj=26.7km s-min=16.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.4km az=169.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(196) Irian Jaya region

ISC	**IX**	**08 16 31 23.1–.37**	**3.45S–.05**	**135.49E–.04**	**22**	**4.6b**	**119**	**2-155**
IDC	IX	08 16 31 19.8–.47	3.34S	135.41E	0	4.7L,4.5		**¶601696502**
ISCJB	IX	08 16 31 21.4–.25	3.40S–.03	135.49E–.02	22	4.5s,4.4b		
BJI	IX	08 16 31 23.3	3.40S	135.50E	41	5.0b,4.9s		
NEIC	IX	08 16 31 25.0–.66	3.38S	135.47E	39–6	4.7b,4.9s		
DJA	IX	08 16 31 26.2–.20	3S–2.0	135E–1.0	61–8	5.5b,5.0		

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

(238) Ryukyu Islands

ISC	**IX**	**08 16 48 32.8–.79**	**28.24N–.03**	**129.43E–.04**	**30–5**	**3.9b**	**55**	**0-84**
ISCJB	IX	08 16 48 32.5–.32	28.27N–.03	129.43E–.04	42–4	3.8b		**¶601863181**
JMA	IX	08 16 48 33.0–.20	28.28N	129.40E	28–2	3.9		
IDC	IX	08 16 48 39.3–1.6	28.10N	128.65E	80–15	3.9,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.1km az=32.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=22.6km s-min=12.3km az=83.0.

(277) Jawa

ISC	**IX**	**08 18 27 14.8–1.0**	**6.68S–.04**	**106.67E–.03**	**16–6**	**4.6b,3.6s**	**228**	**0-161**
BJI	IX	08 18 27 07.7	7.20S	107.05E	7	4.7b,4.7s		**¶601696504**
IDC	IX	08 18 27 12.0–.49	6.44S	106.64E	0	4.7L,4.4		
ISCJB	IX	08 18 27 15.7–.20	6.71S–.03	106.61E–.02	33	4.6b,3.7s		
DJA	IX	08 18 27 15.5–.10	7S–2.0	107E–2.0	10	5.2b,4.8		
MOS	IX	08 18 27 16.4–1.3	6.42S	106.76E	41	4.8b,4.8		
NEIC	IX	08 18 27 17.7–.72	6.51S	106.75E	41–6	4.8b,4.8		

ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=10.3km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=30.4.
MOS Error ellipse: s-maj=13.7km s-min=7.4km az=125.9.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=4.6km az=218.0. Felt [II] at Bogor and Sukabumi.

(230) Near south coast of eastern Honshu

JMA	**IX**	**08 18 38 30.5–.10**	**34.86N**	**137.82E**	**28–1**	**3.4**		
NIED	IX	08 18 38 00	34.90N	137.80E	29	3.6W		**¶603671453**

JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s307.00000°,δ81.00000°,λ-168.00000°. NP2:ϕ_s216.00000°,δ78.00000°,λ-9.00000°. Principal axes: T Plg2.0000°,Azm81.0000°; N Plg75.0000°,Azm344.0000°; P Plg15.0000° ,Azm172.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ80.00000°,λ3.00000°. NP2:ϕ_s124.00000°,δ87.00000°,λ170.00000°. M_o2.47000×10^{14}

(78) Costa Rica

ISC	**IX**	**08 20 29 30.1–.59**	**10.03N–.03**	**85.41W–.03**	**26–3**	**5.6b,5.2s**	**1709**	**0-155**
NEIC	IX	08 20 29 13.2–.00	7.92N	85.89W	40	5.6b,5.2s		**¶601696946**
IDC	IX	08 20 29 26.7–.44	10.34N	85.03W	0	5.1,5.0		
ISCJB	IX	08 20 29 29.2–.11	10.08N–.02	85.31W–.02	33	5.5b,5.2s		
UCR	IX	08 20 29 30.7–1.6	9.91N	85.49W	24–4	5.7b,4.6L		
NEIC	IX	08 20 29 31.2–.13	10.08N	85.32W	35	5.7W,5.7W		
MOS	IX	08 20 29 31.8–1.0	10.19N	85.17W	33	5.6b,5.2s		
NEIC	IX	08 20 29 32.0–.00	10.00N	85.42W	19	5.6b,5.2s		
GCMT	IX	08 20 29 36.2–.10	9.76N–.01	85.58W–.01	26–0	5.6W,5.2s		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s5 Moment tensor: Scale 10^{17}Nm; M_{rr}4.20 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$-2.22 $M_{r\theta}$2.63 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s333.00000° ,δ35.00000°,λ121.00000°. NP2:ϕ_s117.00000°,δ60.00000°,λ70.00000°. Principal axes: T 5.2100,Plg68.0000°,Azm347.0000°; N -0.5700,Plg17.0000°,Azm127.0000° ; P -4.6400,Plg13.0000°,Azm221.0000° M_o4.90000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Alajuela, Nicoya, San Jose and Tilaran. Felt in the Valle Central and in much of northwestern Costa Rica. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-2.52 $M_{r\theta}$-0.02 $M_{\theta\phi}$2.03 $M_{\phi r}$0.38 Best double couple: NP1: ϕ_s143.00000°,δ42.00000°,λ79.00000°. NP2:ϕ_s339.00000°,δ49.00000°,λ100.00000°. Principal axes: T 2.4700,Plg82.0000°,Azm308.0000°; N 1.1800,Plg8.0000°,Azm152.0000° ; P -3.6500,Plg3.0000°,Azm61.0000° M_o3.20000×10^{17}
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}2.24 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-0.84 $M_{r\theta}$3.32 $M_{\theta\phi}$0.79 $M_{\phi r}$-0.93 Best double couple: NP1:ϕ_s109.00000° ,δ75.00000°,λ83.00000°. NP2:ϕ_s314.00000°,δ17.00000°,λ114.00000°. Principal axes: T 4.2400,Plg59.0000°,Azm9.0000°; N -0.4200,Plg6.0000°,Azm110.0000° ; P -3.8200,Plg29.0000°,Azm204.0000° M_o4.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c222; s138,c339; Duration: 1±5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$-1.97±.02; $M_{\phi\phi}$-0.07±.03; $M_{r\theta}$1.64±.06; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-1.22±.06; Best double couple: NP1:ϕ_s122.00000°,δ67.00000° ,λ100.00000°. NP2:ϕ_s278.00000°,δ25.00000°,λ68.00000°. Principal axes: T 2.9120,Plg67.0000°,Azm50.0000°; N 0.1430,Plg9.0000°,Azm298.0000° ; P -3.0540,Plg21.0000°,Azm204.0000° M_o2.98300×10^{17}

(558) Ethiopia

ISC	**IX**	**08 21 11 41.1–.51**	**11.78N–.06**	**43.23E–.05**	**19**	**4.4b**	**78**	**0-95**
AAE	IX	08 21 10 58.4–16	12.60N	45.67E	26–999	4.4b		**¶601696949**
EAF	IX	08 21 10 59.1–13	12.34N	45.39E	0–999	4.4b		
DHMR	IX	08 21 11 36.3–1.8	11.77N	43.13E	20–23	5.1L		
IDC	IX	08 21 11 38.1–.78	11.66N	43.25E	0	4.1,4.1		
ISCJB	IX	08 21 11 39.3–.37	11.69N–.04	43.38E–.04	19	4.3b,4.1s		
NEIC	IX	08 21 11 39.6–.44	11.71N	43.29E	10	4.4b,4.1s		

ISC Event type fe.
AAE Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
EAF Error ellipse: s-maj=829.9km s-min=999.9km az=-1.0.
DHMR Error ellipse: s-maj=18.5km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=6.6km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=136.1.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.2km az=151.0. Felt [III] at Djibouti. Also felt at Alaili Dadda, Obock and Tadjoura.

(460) Wyoming

ISC	**IX**	**08 23 01 04.2–.74**	**43.56N–.03**	**105.14W–.03**	**0**		**42**	**1-11**
ISCJB	IX	08 23 01 03.6–.40	43.50N–.03	105.18W–.04	0			**¶601863194**
NEIC	IX	08 23 01 03.9–.65	43.51N	105.00W	0	3.3L		
IDC	IX	08 23 01 04.7–1.9	43.53N	105.31W	0	3.5,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=3.8km s-min=3.8km az=9.2.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=8.1km az=143.0. 75 km [47 miles] WSW of Newcastle. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.4km s-min=9.9km az=152.0.

(227) Eastern Honshu

ISC	**IX**	**09 03 45 01.1–.98**	**39.93N–.04**	**142.00E–.08**	**68–6**	**3.9b**	**29**	**0-72**
ISCJB	IX	09 03 44 59.8–.62	39.94N–.03	142.02E–.09	74–4	3.8b		**¶601863207**
NIED	IX	09 03 45 00	39.90N	142.00E	71	3.6W		
JMA	IX	09 03 45 01.5	39.93N	141.95E	66–1	3.5		
IDC	IX	09 03 45 01.1–2.3	39.94N	142.31E	76–20	3.7,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.6km az=4.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ43.00000°,λ107.00000°. NP2:ϕ_s25.00000°,δ50.00000°,λ75.00000°. M_o3.15000×10^{14}
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s16.00000°,δ50.00000°,λ64.00000°. NP2:ϕ_s233.00000°,δ47.00000°,λ118.00000°. Principal axes: T Plg70.0000°,Azm219.0000°; N Plg20.0000°,Azm33.0000°; P Plg2.0000° ,Azm124.0000°
IDC Error ellipse: s-maj=33.7km s-min=13.9km az=101.0.

(377) Spain

ISC	**IX**	**09 05 12 59.1–1.1**	**39.42N–.02**	**0.72W–.02**	**12–9**		**139**	**0-6**
ISCJB	IX	09 05 12 58.2–.35	39.50N–.02	0.80W–.03	3–2			**¶601869192**
MDD	IX	09 05 13 01.6–.28	39.42N	0.73W	9–2	2.3		
LDG	IX	09 05 13 01.6–.08	39.41N	0.70W	2	2.5L		
CNRM	IX	09 05 13 01.4	38.78N	0.07W	10	3.6L		
SFS	IX	09 05 13 01.0	39.42N	0.73W	10	2.4L		
INMG	IX	09 05 13 02.0–1.7	39.43N	0.74W	11–3	2.3L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.3km az=39.9.
MDD Error ellipse: s-maj=3.1km s-min=2.3km az=118.0. EMS: II INTENSIDAD MXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=127.0.
SFS TURIS. (VALENCIA).
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=115.0.

(58) Near coast of Guerrero

ISC	**IX**	**09 05 14 52.5–.90**	**16.05N–.05**	**98.21W–.04**	**17–5**	**4.7b,3.8s**	**567**	**0-131**
ISCJB	IX	09 05 14 49.8–.32	16.11N–.03	98.14W–.02	10	4.6b,3.9s		**¶601696959**
IDC	IX	09 05 14 49.2–1.2	16.11N	98.18W	0	4.2,4.0		
MEX	IX	09 05 14 51.1–.75	15.86N	98.20W	5	4.2,4.0		
NEIC	IX	09 05 14 52.2–.28	16.19N	98.18W	10	4.7b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.5km az=14.7.
IDC Error ellipse: s-maj=30.8km s-min=16.7km az=31.0.
MEX Error ellipse: s-maj=4.8km s-min=5.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=197.0. Felt at Pinotepa Nacional.

(221) Kuril Islands

ISC	**IX**	**09 05 39 39.4–.27**	**49.30N–.04**	**155.70E–.05**	**54**	**5.6s,5.4b**	**463**	**1-158**
NEIC	IX	09 05 39 36.0–.00	49.27N	155.88E	45	5.6s,5.4b		**¶605299927**
MOS	IX	09 05 39 37.7–.98	49.28N	155.83E	50	5.6b,5.5s		
ISCJB	IX	09 05 39 38.0–.15	49.31N–.03	155.70E–.04	54	5.6s,5.4b		
NEIC	IX	09 05 39 37.0–.10	49.25N	155.75E	31	6.0W,5.9W		
GCMT	IX	09 05 39 40.0–.10	49.28N	155.97E	41–0	6.0W,5.9W		
NEIC	IX	09 05 39 51.7–.00	49.97N	155.72E	47	6.0W,5.9W		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}6.84 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$-5.32 $M_{r\theta}$1.38 $M_{\theta\phi}$-3.56 $M_{\phi r}$4.35 Best double couple: NP1:ϕ_s23.00000° ,δ61.00000°,λ82.00000°. NP2:ϕ_s219.00000°,δ30.00000°,λ104.00000°. Principal axes: T 8.2500,Plg72.0000°,Azm274.0000°; N 0.4800,Plg6.0000°,Azm27.0000° ; P -8.7300,Plg16.0000°,Azm119.0000° M_o8.50000×10^{17}
MOS Error ellipse: s-maj=10.5km s-min=5.4km az=65.7. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.5km az=139.9.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=144.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c337; s151,c484; Duration: 2±3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.46±.00; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s30.00000°,δ57.00000° ,λ86.00000°. NP2:ϕ_s217.00000°,δ33.00000°,λ96.00000°. Principal axes: T 1.0240,Plg77.0000°,Azm287.0000°; N 0.0370,Plg3.0000°,Azm32.0000° ; P -1.0620,Plg12.0000°,Azm122.0000° M_o1.04300×10^{18}
NEIC Event type se. Moment Tensor Solution. s86 Moment tensor: Scale 10^{18}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s231.00000° ,δ41.00000°,λ112.00000°. NP2:ϕ_s22.00000°,δ52.00000°,λ72.00000°. Principal axes: T 1.3400,Plg74.0000°,Azm236.0000°; N -0.1100,Plg14.0000°,Azm34.0000° ; P -1.2300,Plg6.0000°,Azm125.0000° M_o1.30000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**IX**	**09 06 54 14.2–1.9**	**38.10N–.04**	**141.96E–.08**	**31–12**	**3.8b**	**49**	**1-86**
IDC	IX	09 06 54 09.9–1.0	38.20N	142.14E	0	3.8,3.8		**¶601782816**
NEIC	IX	09 06 54 14.9–.70	38.24N	142.07E	35	4.1b,3.8		
JMA	IX	09 06 54 17.4–.10	38.03N	141.68E	48–1	3.9,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=17.5km az=132.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=135.0. Recorded [2 JMA] in Miyagi.
JMA Felt [II] J1.

(228) Near east coast of eastern Honshu

ISC	**IX**	**09 07 58 17.2–1.7**	**38.59N–.04**	**142.1E–.10**	**39–5**		**23**	**1-59**
ISCJB	IX	09 07 58 17.7–1.1	38.60N–.05	142.0E–.10	55–10	3.9s,3.5b		**¶601863220**
JMA	IX	09 07 58 19.2–.10	38.62N	141.91E	48–1	3.9,3.5b		
IDC	IX	09 07 58 19.3–3.0	38.61N	142.07E	59–27	3.9,3.9s		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=19.3km s-min=7.2km az=12.2.
JMA Felt [II] J1.
IDC Error ellipse: s-maj=49.8km s-min=23.8km az=93.0.

(76) Off coast of central America

ISC	**IX**	**09 09 50 00.1–1.6**	**12.59N–.05**	**88.69W–.04**	**14–9**	**4.2b**	**131**	**1-148**
IDC	IX	09 09 49 56.4–1.2	12.87N	88.16W	0	4.2,3.9		**¶601735795**
NEIC	IX	09 09 50 01.6–.56	12.52N	88.61W	35	4.2b,4.1		
UCR	IX	09 09 50 02.3–2.1	12.64N	88.69W	35–999	4.6,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=38.0km s-min=17.5km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=6.0km az=211.0. Felt [I] at Usulutan.
UCR Error ellipse: s-maj=10.4km s-min=6.4km az=-1.0.

(224) Hokkaido region

ISC	**IX**	**09 13 04 12.9–1.2**	**42.63N–.07**	**145.21E–.05**	**70–9**	**3.5b**	**47**	**1-65**
NIED	IX	09 13 04 00	42.70N	145.20E	74	3.7W		**¶601863235**
IDC	IX	09 13 04 09.4–12	43.59N	145.02E	0	3.9,3.8		
ISCJB	IX	09 13 04 12.3–.72	42.64N–.06	145.21E–.06	77–6	3.6b,3.8		
JMA	IX	09 13 04 12.8–.10	42.63N	145.20E	73–1	3.8,3.8		
SKHL	IX	09 13 04 13.6–.80	42.54N	145.31E	54–4	4.6b,3.8		
MOS	IX	09 13 04 13.6–3.5	42.54N	145.31E	54	4.3b,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s121.00000°,δ20.00000°,λ-53.00000°. NP2:ϕ_s263.00000°,δ74.00000°,λ-102.00000°. M_o3.53000×10^{14}

IDC Error ellipse: s-maj=312.7km s-min=34.6km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.3km az=148.1.
JMA Felt [I] J1.
MOS Error ellipse: s-maj=33.4km s-min=11.9km az=70.3.

(196) Irian Jaya region

ISC	**IX**	**09 16 49 17.8–.33**	**3.25S–.04**	**135.09E–.04**	**28**	**4.7b,3.8s**	**160**	**2-150**
ISCJB	IX	09 16 49 16.6–.20	3.19S–.03	135.07E–.02	28	4.6b,3.7s		**¶601696974**
MOS	IX	09 16 49 18.2–.72	3.14S	135.10E	41	4.8b,3.7s		
IDC	IX	09 16 49 18.1–3.9	3.09S	135.09E	23–25	4.6L,4.5		
BJI	IX	09 16 49 19.3	3.41S	134.75E	53	4.9b,4.6b		
DJA	IX	09 16 49 20.4–.20	3S–3.0	135E–2.0	77–9	5.3,5.2b		
NEIC	IX	09 16 49 20.4–.51	3.13S	135.06E	44–5	4.7b,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=36.1.
MOS Error ellipse: s-maj=11.4km s-min=6.7km az=126.6.
IDC Error ellipse: s-maj=20.5km s-min=12.4km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.4km az=205.0. Felt [III] at Nabire.

(65) Off coast of Guerrero

ISC	**IX**	**09 18 59 35.8–2.9**	**15.96N–.06**	**98.30W–.04**	**0–18**	**4.7b,3.9s**	**332**	**0-142**
ISCJB	IX	09 18 59 36.5–.36	16.04N–.04	98.14W–.03	10	4.5b,3.9s		**¶601697110**
IDC	IX	09 18 59 36.2–.84	15.98N	98.31W	0	4.5,4.3		
MEX	IX	09 18 59 38.4–.82	15.90N	98.22W	5	4.3,4.3		
NEIC	IX	09 18 59 38.4–.00	15.90N	98.22W	5	4.7b,4.3		
GCMT	IX	09 18 59 41.4–.60	15.96N–.03	98.29W–.05	22–1	4.9W,4.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Oaxaca. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s60,c81;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.25 $M_{\theta\theta}$-2.65±.16; $M_{\phi\phi}$-0.35±.15; $M_{r\theta}$1.13±.22; $M_{\theta\phi}$0.25±.10; $M_{\phi r}$-0.55±.27; Best double couple: NP1:ϕ_s103.00000°,δ57.00000°,λ97.00000°. NP2:ϕ_s270.00000°,δ34.00000°,λ79.00000°. Principal axes: T 3.2930,Plg77.0000° ,Azm37.0000°; N -0.3720,Plg6.0000°,Azm279.0000°; P -2.9160,Plg11.0000°,Azm188.0000° M_o3.10400×10^{16}

(460) Wyoming

ISC	**IX**	**09 19 22 09.0–1.3**	**43.83N–.08**	**105.23W–.07**	**0**		**9**	**1-15**
ISCJB	IX	09 19 22 07.2–.75	43.81N–.08	105.29W–.09	0			**¶601863253**
NEIC	IX	09 19 22 08.8–.80	43.81N	105.31W	0	2.8L		
IDC	IX	09 19 22 08.8–1.2	43.86N	105.61W	0	3.3,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.3km s-min=8.8km az=165.9.
NEIC Event type sm. Error ellipse: s-maj=13.6km s-min=9.6km az=162.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.5km s-min=9.7km az=150.0.

(77) Off coast of Costa Rica

ISC	**IX**	**09 21 37 29.3–1.6**	**9.50N–.05**	**85.16W–.04**	**2–9**	**4.2b,3.5s**	**102**	**1-152**
IDC	IX	09 21 37 27.5–.79	9.37N	85.36W	0	4.1,3.9		**¶601698218**
UCR	IX	09 21 37 28.0–4.8	9.23N	85.25W	20–17	4.3b,4.0		
ISCJB	IX	09 21 37 29.9–1.1	9.43N–.06	85.21W–.04	16–6	4.1b,3.4s		
NEIC	IX	09 21 37 34.0–.63	9.46N	85.01W	35	4.3b,3.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=11.9km az=106.0.
UCR Error ellipse: s-maj=26.0km s-min=18.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.4km az=33.5.
NEIC Event type fe. Error ellipse: s-maj=13.4km s-min=9.1km az=212.0. Felt at San Jose and Sierra.

(460) Wyoming

ISC	**IX**	**09 23 07 00.2–.70**	**43.80N–.03**	**105.22W–.03**	**0**		**38**	**1-20**
ISCJB	IX	09 23 06 58.8–.42	43.78N–.03	105.17W–.04	0			**¶601863269**
NEIC	IX	09 23 06 59.9–.56	43.77N	105.28W	0	3.1L		
IDC	IX	09 23 07 01.2–2.6	43.92N	105.93W	0	3.6L,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.6km s-min=3.6km az=166.0.
NEIC Event type sm. Error ellipse: s-maj=8.9km s-min=7.5km az=159.0. 60 km [37 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=47.7km s-min=18.3km az=143.0.

(124) Chile-Bolivia border region

ISC	**IX**	**10 02 14 05.7–.51**	**20.46S–.03**	**68.87W–.05**	**113–4**	**4.3b**	**78**	**0-163**
ISCJB	IX	10 02 14 04.2–.29	20.41S–.03	68.87W–.05	117–3	4.3b		**¶601697124**
NEIC	IX	10 02 14 05.0–.00	20.42S	68.95W	104	4.5L,4.5b		
GUC	IX	10 02 14 05.4–.56	20.42S	68.95W	106–3	4.5L,4.5b		
IDC	IX	10 02 14 06.8–.69	20.52S	68.66W	113–5	4.3,4.0		
SJA	IX	10 02 14 08.9–.31	21.77S	68.97W	18–19	2.9L,2.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=168.8.
NEIC Event type fe. Felt [III] at Camina, Pica and Pozo Almonte and [II] at Alto Hospicio, Iquique and Pisagua. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=13.8km az=90.0.
SJA Error ellipse: s-maj=8.3km s-min=13.3km az=-1.0.

(224) Hokkaido region

ISC	**IX**	**10 10 43 54.3–.64**	**41.80N–.05**	**143.77E–.04**	**32–3**	**4.6b,4.1s**	**267**	**1-94**
NIED	IX	10 10 43 00	41.70N	143.90E	29	4.5W,4.1s		**¶601698291**
BJI	IX	10 10 43 51.5	41.70N	143.86E	31	4.7b,4.7b		
MOS	IX	10 10 43 52.8–.82	41.77N	143.68E	31	5.0b,4.7b		
ISCJB	IX	10 10 43 53.3–.46	41.70N–.03	143.76E–.03	39–3	4.5b,4.0s		
JMA	IX	10 10 43 54.0–.20	41.72N	143.86E	46–4	4.5,4.0s		
NEIC	IX	10 10 43 54.1–.19	41.69N	143.75E	30	4.6b,4.0s		
IDC	IX	10 10 43 56.1–2.6	41.65N	143.71E	51–23	4.3,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ16.00000°,λ16.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ106.00000°. M_o6.79000×10^{15}
MOS Error ellipse: s-maj=6.9km s-min=5.3km az=103.1.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=144.2.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=154.0. Recorded [1 JMA] in south-central Hokkaido.
IDC Error ellipse: s-maj=15.3km s-min=14.8km az=169.0.

(263) Talaud Islands

ISC	**IX**	**10 11 23 29.7–.40**	**3.98N–.04**	**126.28E–.05**	**50–3**	**5.0b,3.8s**	**307**	**1-158**
MAN	IX	10 11 23 18.2	3.37N	126.75E	47	5.7b,5.2s		**¶601698293**
BJI	IX	10 11 23 25.0	3.66N	126.54E	45	5.0b,4.8b		
MOS	IX	10 11 23 26.4–1.1	4.01N	125.99E	37	5.1b,4.8b		
DJA	IX	10 11 23 28.1–.50	4N–5.0	126E–5.0	10	5.4,5.3		
ISCJB	IX	10 11 23 29.1–.40	3.99N–.02	126.19E–.03	61–3	4.9b,5.3		
NEIC	IX	10 11 23 29.5–.56	4.00N	126.13E	50–5	5.1b,5.3		
GCMT	IX	10 11 23 30.5–.30	3.98N–.02	126.23E–.02	46–2	4.9W,5.3		
IDC	IX	10 11 23 30.4–.68	3.96N	126.07E	58–5	4.8,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=11.3km s-min=5.2km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=166.1.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=78.0. Felt [III] at Melonguanne.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c38; s62,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.17 $M_{\theta\theta}$2.95±.10; $M_{\phi\phi}$-1.88±.14; $M_{r\theta}$-1.02±.10; $M_{\theta\phi}$-0.41±.10; $M_{\phi r}$1.28±.17; Best double couple: NP1:ϕ_s133.00000°,δ76.00000°,λ-39.00000°. NP2:ϕ_s234.00000°,δ52.00000°,λ-162.00000°. Principal axes: T 3.2920,Plg15.0000° ,Azm188.0000°; N -0.4670,Plg49.0000°,Azm296.0000°; P -2.8350,Plg37.0000° ,Azm86.0000° M_o3.06400×10^{16}
IDC Error ellipse: s-maj=16.6km s-min=8.9km az=79.0.

(221) Kuril Islands

ISC	**IX**	**10 11 54 15.1–.56**	**43.58N–.05**	**146.66E–.04**	**48–4**	**4.4b,3.5s**	**217**	**0-152**
NIED	IX	10 11 54 00	43.50N	146.50E	50	4.3W,3.5s		**¶601698295**
ISCJB	IX	10 11 54 14.5–.40	43.60N–.04	146.61E–.04	58–3	4.3b,3.5s		
MOS	IX	10 11 54 14.1–.86	43.59N	146.61E	55	4.7b,3.5s		
NEIC	IX	10 11 54 15.1–.20	43.65N	146.59E	45	4.5b,3.5s		
IDC	IX	10 11 54 16.5–2.1	43.69N	146.56E	59–18	4.1,4.0		
JMA	IX	10 11 54 16.0–.20	43.53N	146.55E	47–2	3.9,4.0		
SKHL	IX	10 11 54 17.1–.70	43.75N	146.60E	51–4	5.2b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ22.00000°,λ60.00000°. NP2:ϕ_s47.00000°,δ71.00000°,λ102.00000°. M_o3.71000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.5km az=146.9.
MOS Error ellipse: s-maj=8.1km s-min=5.9km az=105.5. Felt (IV) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk, Krabozavodskoye. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=148.0. Recorded [2 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=14.5km s-min=11.5km az=150.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
SKHL Felt (IV) at Malokuril'skoe, (II) at Yushno-Kuril'sk, Krabozavodskoe.

(228) Near east coast of eastern Honshu

ISC	**IX**	**10 12 21 09.7–1.3**	**38.34N–.05**	**141.89E–.09**	**50–12**	**4.1b**	**31**	**0-62**
NIED	IX	10 12 21 00	38.40N	141.70E	59	3.8W		**¶601863295**
ISCJB	IX	10 12 21 09.8–.82	38.35N–.05	141.74E–.10	61–6	4.1b		
JMA	IX	10 12 21 11.1–.10	38.36N	141.67E	54–1	3.9		
IDC	IX	10 12 21 11.8–3.0	38.43N	141.84E	71–25	3.9,3.8b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ19.00000°,λ97.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ88.00000°. M_o4.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=6.2km az=21.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=38.2km s-min=19.6km az=81.0.

(43) Southern California

ISC	**IX**	**10 15 44 41.2–1.2**	**33.26N–.02**	**115.75W–.02**	**1–11**		**93**	**0-7**
ISCJB	IX	10 15 44 41.6–.33	33.27N–.01	115.72W–.02	0–3			**¶601705104**
NEIC	IX	10 15 44 42.7–.00	33.28N	115.71W	3	3.3L		
ECX	IX	10 15 44 44.1–.69	33.25N	115.77W	8	3.3L,2.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=135.3.
NEIC Event type fe. Felt at Descanso and Rancho Mirage. After PAS.
ECX Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0.

(228) Near east coast of eastern Honshu

JMA	**IX**	**10 17 58 27.6**	**36.57N**	**140.59E**	**19–1**	**2.7**		**¶606028007**

JMA Felt [I] J1.

(89) Mona Passage

ISC	**IX**	**10 22 03 30.8–.41**	**19.31N–.04**	**67.60W–.03**	**21**	**4.3b,3.3s**	**172**	**1-124**
IDC	IX	10 22 03 27.1–.63	19.33N	67.66W	0	4.2,4.0		**¶601703092**
ISCJB	IX	10 22 03 29.0–.24	19.42N–.02	67.64W–.02	21	4.3b,3.3s		
NEIC	IX	10 22 03 31.2–.00	19.51N	67.64W	17	4.5b,4.2		
RSPR	IX	10 22 03 31.2	19.51N	67.64W	17–3	4.2,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=18.5km s-min=13.4km az=36.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=43.1.
NEIC Event type fe. Felt at Manati. After RSPR.
RSPR Event type ke.

(76) Off coast of central America

ISC	**IX**	**10 22 22 05.9–.82**	**12.87N–.06**	**88.37W–.05**	**71–7**	**4.2b**	**233**	**1-148**
ISCJB	IX	10 22 22 04.2–.35	12.74N–.03	88.47W–.03	70–2	4.1b		**¶601757199**
NEIC	IX	10 22 22 04.0–.00	12.75N	88.47W	56	4.4,4.2b		
UCR	IX	10 22 22 05.1–1.9	12.92N	88.37W	76–18	4.4,4.3L		
IDC	IX	10 22 22 06.0–1.4	13.05N	88.18W	73–13	4.2,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=2.8km az=41.1.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
UCR Error ellipse: s-maj=12.0km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=9.1km az=50.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**10 23 17 33.6–1.1**	**36.82N–.04**	**141.20E–.05**	**23–7**	**4.3b,3.5s**	**100**	**0-147**
NIED	IX	10 23 17 00	36.80N	141.30E	8	4.2W,3.5s		**¶601705105**
BJI	IX	10 23 17 28.9	36.54N	141.33E	12	4.8b,4.6b		
IDC	IX	10 23 17 30.7–.57	36.83N	141.13E	0	4.2,4.1		
JMA	IX	10 23 17 32.6	36.78N	141.26E	33–1	4.4,4.1		
ISCJB	IX	10 23 17 32.6–.78	36.80N–.03	141.28E–.05	25–4	4.3b,3.5s		
NEIC	IX	10 23 17 35.0–2.0	36.76N	141.16E	28–14	4.6b,3.5s		
MOS	IX	10 23 17 34.7–1.4	36.86N	141.20E	39	4.6b,3.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ43.00000°,λ-75.00000°. NP2:ϕ_s15.00000°,δ49.00000°,λ-104.00000°. M_o2.12000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=14.2km az=102.0.
JMA Felt [II] J1.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=25.2.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.4km az=120.0. Recorded [2 JMA] in Fukushima and Ibaraki.
MOS Error ellipse: s-maj=11.7km s-min=8.7km az=124.3.

(97) Near coast of Venezuela

ISC	**IX**	**10 23 33 54.9–.94**	**10.84N–.04**	**62.26W–.08**	**100–8**	**3.7b**	**88**	**1-80**
IDC	IX	10 23 33 39.6–1.9	10.10N	62.50W	0	4.0,3.7		**¶601832081**
ISCJB	IX	10 23 33 54.8–.65	10.89N–.03	62.20W–.08	111–6	3.6b,3.7		
TRN	IX	10 23 33 55.7	10.82N	62.25W	91	4.1,3.7		
NEIC	IX	10 23 33 56.1–.00	10.83N	62.17W	90	4.0,3.7W		

ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=28.0km az=4.0.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=5.2km az=173.9.
TRN Felt in parts of North-West Trinidad,MMI III.
NEIC Event type se. After CAR.

(228) Near east coast of eastern Honshu

ISC	**IX**	**11 01 39 00.3–1.2**	**38.32N–.05**	**142.07E–.06**	**19–4**	**4.0b**	**37**	**1-89**
JMA	IX	11 01 39 01.8–.10	38.37N	142.07E	34–1	4.1		**¶601863326**
IDC	IX	11 01 39 06.2–3.0	38.26N	141.94E	69–27	3.9,3.8		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=16.3km az=95.0.

(124) Chile-Bolivia border region

ISC	**IX**	**11 04 25 42.9–.35**	**20.65S–.03**	**68.92W–.05**	**109–3**	**4.4b**	**193**	**1-163**
ISCJB	IX	11 04 25 40.9–.29	20.65S–.02	68.79W–.05	103–2	4.5b		**¶601703109**
NEIC	IX	11 04 25 40.9–.56	20.65S	68.69W	87–5	4.8L,4.5b		
GUC	IX	11 04 25 41.9–.68	20.65S	69.00W	104–3	4.8L,4.5b		
IDC	IX	11 04 25 43.5–.61	20.54S	68.70W	110–5	4.4,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.5km az=167.3.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.6km az=84.0. Felt [IV] at Huara, [III] at Pica and [II] at Alto Hospicio and Iquique.
GUC Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=12.9km az=83.0.

(37) Nevada

ISC	**IX**	**11 05 55 20.6–.73**	**40.96N–.02**	**117.77W–.02**	**10**		**121**	**1-8**
NEIC	IX	11 05 55 20.5–.00	40.96N	117.78W	4	3.7L		**¶601851655**
ISCJB	IX	11 05 55 21.6–.19	40.98N–.02	117.80W–.02	10	3.7L		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Winnemucca. Also felt at Spring Creek. After REN.
ISCJB Event type fe.

(137) San Juan Province

ISC	**IX**	**11 06 35 38.4–.24**	**31.83S–.03**	**68.30W–.04**	**120–2**	**5.1b**	**1457**	**0-177**
MOS	IX	11 06 35 36.8–1.1	31.80S	68.25W	112	5.1b		**¶601703111**
BJI	IX	11 06 35 36.5	31.80S	68.30W	100	5.0b		
ISCJB	IX	11 06 35 37.1–.13	31.72S–.02	68.20W–.03	120	5.1b		
SJA	IX	11 06 35 37.6	31.88S	68.35W	124	5.2L,4.8W		
IDC	IX	11 06 35 38.4–.32	31.83S	68.26W	117–2	5.1,4.8		
NEIC	IX	11 06 35 38.0–.00	31.88S	68.35W	124	5.2,5.1L		
GUC	IX	11 06 35 38.1–.53	31.86S	68.40W	135–42	5.1L,5.1L		
GCMT	IX	11 06 35 39.0–.20	31.92S–.02	68.39W–.02	127–2	5.0W,5.1L		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at San Juan and [III] at Mendoza. Also felt at Chimbas and Rodeo. Felt [IV] at Salamanca, Chile. After SJA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c56; s81,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.56±.09 $M_{\theta\theta}$0.35±.11; $M_{\phi\phi}$3.21±.14; $M_{r\theta}$-0.29±.08; $M_{\theta\phi}$0.65±.11; $M_{\phi r}$1.43±.11; Best double couple: NP1:ϕ_s184.00000°,δ56.00000°,λ-99.00000°. NP2:ϕ_s20.00000°,δ35.00000°,λ-77.00000°. Principal axes: T 3.6040,Plg11.0000° ,Azm280.0000°; N 0.2920,Plg8.0000°,Azm189.0000°; P -3.8910,Plg77.0000°,Azm64.0000° M_o3.74700×10^{16}

(135) Near coast of central Chile
ISC IX 11 07 24 39.4–.47 37.93S–.03 73.57W–.07 22 4.5b,3.7s 89 1-177
IDC IX 11 07 24 35.4–.69 37.97S 73.67W 0 4.2,4.1 ¶601705108
NEIC IX 11 07 24 37.0–.00 38.00S 73.86W 21 4.6b,4.4L
GUC IX 11 07 24 37.3–.65 38.00S 73.86W 21–8 4.4L,4.4L
ISCJB IX 11 07 24 38.3–.31 37.87S–.03 73.53W–.06 22 4.4b,3.8s
ISC Event type fe.
NEIC Event type fe. Felt at Concepcion. After GUC.
ISCJB Event type fe.
(230) Near south coast of eastern Honshu
ISC IX 11 10 27 53.6–.74 35.01N–.04 139.96E–.05 65–6 4.0b 39 0-70
NIED IX 11 10 27 00 35.00N 140.00E 56 4.0W ¶601863346
ISCJB IX 11 10 27 52.3–.40 35.00N–.03 139.98E–.05 70–3 3.9b
JMA IX 11 10 27 52.1–.10 34.99N 139.96E 71–2 3.6
IDC IX 11 10 27 54.1–1.4 34.96N 139.89E 69–13 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ62.00000°,λ-174.00000°. NP2:ϕ_s17.00000°,δ85.00000°,λ-28.00000°. $M_0$1.22000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.0km az=149.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s202.00000°,δ76.00000°,λ48.00000°. NP2: ϕ_s97.00000°,δ44.00000°,λ160.00000°. Principal axes: T Plg43.0000°,Azm72.0000° ; N Plg40.0000°,Azm214.0000°; P Plg20.0000°,Azm322.0000°
IDC Error ellipse: s-maj=28.4km s-min=5.6km az=72.0.
(228) Near east coast of eastern Honshu
ISC IX 11 11 12 09.0–.38 37.56N–.03 142.00E–.04 10 4.5b,3.8s 233 1-146
NIED IX 11 11 12 00 37.60N 141.90E 14 4.2W,3.8s ¶601704943
ISCJB IX 11 11 12 08.4–.18 37.59N–.02 141.92E–.02 10 4.4b,3.6s
JMA IX 11 11 12 10.0–.10 37.62N 141.90E 30–3 4.7,3.6s
MOS IX 11 11 12 11.9–1.1 37.65N 141.92E 34 4.6b,3.6s
NEIC IX 11 11 12 11.6–1.4 37.55N 141.88E 21–9 4.5b,3.6s
IDC IX 11 11 12 12.8–3.3 37.57N 141.89E 33–25 4.2,4.2
BJI IX 11 11 12 13.9 37.54N 141.79E 46 4.8b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ38.00000°,λ-54.00000°. NP2:ϕ_s218.00000°,δ60.00000°,λ-115.00000°. $M_0$2.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=160.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=5.7km az=95.1.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=128.0. Recorded [2 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=13.6km s-min=10.3km az=107.0.
(39) Central California
ISC IX 11 12 23 34.7–1.0 35.37N–.02 118.54W–.02 5–9 58 0-3
NEIC IX 11 12 23 35.0–.00 35.37N 118.54W 6 2.5L ¶602323489
ISC Event type fe.
NEIC Event type fe. Felt at Keene and Tehachapi. After PAS.
(78) Costa Rica
ISC IX 12 02 13 00.2–.81 10.03N–.05 85.56W–.04 24–5 4.6b,3.6s 535 0-151
ISCJB IX 12 02 12 59.3–.27 9.94N–.03 85.63W–.02 33 4.5b,3.6s ¶601707465
UCR IX 12 02 12 59.9–1.3 9.94N 85.65W 11 4.6b,3.6L
NEIC IX 12 02 13 02.1–.40 10.08N 85.39W 35 4.6b,3.6L
BJI IX 12 02 13 03.0 10.20N 85.40W 37 5.0s,4.6
IDC IX 12 02 13 04.8–.67 10.51N 85.26W 51–7 4.3,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=177.6.
UCR Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=5.6km az=204.0. Felt [II] at Sardinal. Felt in the Liberia-Samara area and in the Valle Central.
IDC Error ellipse: s-maj=27.7km s-min=12.0km az=40.0.
(224) Hokkaido region
ISC IX 12 03 20 06.1–1.4 41.72N–.05 144.21E–.05 28–8 4.6b,4.1s 175 1-86
NIED IX 12 03 20 00 41.70N 144.30E 20 4.7W,4.1s ¶601709221
BJI IX 12 03 20 02.2 41.67N 144.00E 10 4.8b,4.7b
ISCJB IX 12 03 20 04.8–.80 41.69N–.03 144.19E–.04 33–5 4.5b,4.2s
MOS IX 12 03 20 05.2–.89 41.70N 144.08E 34 5.0b,4.2s
JMA IX 12 03 20 05.0–.20 41.70N 144.26E 29–2 4.6,4.2s
NEIC IX 12 03 20 09.1–.60 41.69N 143.94E 50–5 4.8b,4.2s
IDC IX 12 03 20 09.3–2.4 41.70N 144.03E 57–21 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s263.00000°,δ39.00000°,λ142.00000°. NP2:ϕ_s24.00000°,δ67.00000°,λ57.00000°. $M_0$1.22000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.1km az=37.7.
MOS Error ellipse: s-maj=7.9km s-min=5.7km az=93.4.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=137.0. Recorded [1 JMA] in south-central Hokkaido.
IDC Error ellipse: s-maj=14.5km s-min=12.3km az=110.0.
(370) Crete
ISC IX 12 03 27 45.3–.41 34.83N–.02 24.07E–.02 30–2 5.6b,5.0s 2356 0-161
BJI IX 12 03 27 39.5 34.71N 23.62E 23 5.8b,5.6b ¶606542219
GII IX 12 03 27 41.5–.00 34.74N 24.03E 30 5.8b,5.6b
NIC IX 12 03 27 42.3–.20 34.42N 24.16E 100 5.5b,5.2L
HLW IX 12 03 27 43.3 34.84N 24.42E 30–24 5.7L,5.2L
ATH IX 12 03 27 43.7 34.71N 24.02E 26–0 5.5L,5.2L
MOS IX 12 03 27 44.5–1.2 34.91N 24.00E 33 6.0b,4.9s
ISCJB IX 12 03 27 44.6–.38 34.81N–.01 24.09E–.01 30–2 5.6b,5.1s
NEIC IX 12 03 27 45.0–.00 34.91N 23.94E 30 5.6b,5.1s
SFS IX 12 03 27 45.0 34.74N 24.03E 30 5.4L,5.1s
IDC IX 12 03 27 45.1–1.0 34.83N 24.10E 28–6 5.5,5.4
PDG IX 12 03 27 46.1–.30 35.01N 23.41E 15–7 5.6L,5.4
NEIC IX 12 03 27 46.3–.50 34.78N 24.11E 32–3 5.7b,5.5L
GCMT IX 12 03 27 46.3–.10 34.35N–.01 24.04E–.01 41–0 5.4W,5.5L
THE IX 12 03 27 47.1 34.86N 24.08E 8–0 5.2L,5.5L
ISK IX 12 03 27 47.3 34.97N 24.11E 40–0 5.5L,5.5L
BEO IX 12 03 27 53.9–1.2 35.54N 23.48E 0 5.3L,5.5L
CNRM IX 12 03 27 55.5 34.77N 22.90E 15 4.5L,5.5L
DDA IX 12 03 27 59.3 35.74N 25.14E 7 5.5L,5.5L
TIR IX 12 03 28 27.5 37.34N 20.71E 7 5.5,5.5L
ISC Event type fe.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=20.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=4.6km s-min=2.6km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=10.4.
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.66 $M_{\theta\phi}$0.31 $M_{\phi r}$-1.09 Best double couple: NP1:ϕ_s123.00000° ,δ79.00000°,λ92.00000°. NP2:ϕ_s293.00000°,δ11.00000°,λ81.00000°. Principal axes: T 2.1700,Plg55.0000°,Azm35.0000°; N -0.0500,Plg1.0000°,Azm302.0000° ; P -2.1200,Plg33.0000°,Azm211.0000° $M_0$2.10000×10^{17}
SFS CRETA. (GRECIA).
IDC Error ellipse: s-maj=9.3km s-min=8.1km az=157.0.
PDG Event type ke. Error ellipse: s-maj=8.9km s-min=3.7km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=188.0. Felt [IV] at Irakleio and [II] at Chania. Also felt at Ayia Galini, Moires, Palaiochora, Therison and Tympaki. Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ85.00000°,λ92.00000°. NP2: ϕ_s281.00000°,δ5.00000°,λ65.00000°. Principal axes: T 1.2000,Plg50.0000°,Azm39.0000° ; N -0.1400,Plg2.0000°,Azm306.0000°; P -1.0600,Plg40.0000°,Azm215.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c174; s115,c211; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-1.05±.02; $M_{\phi\phi}$0.05±.02; $M_{r\theta}$0.78±.03; $M_{\theta\phi}$0.51±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s122.00000°,δ65.00000° ,λ100.00000°. NP2:ϕ_s278.00000°,δ26.00000°,λ69.00000°. Principal axes: T 1.3670,Plg68.0000°,Azm51.0000°; N 0.2160,Plg9.0000°,Azm297.0000° ; P -1.5850,Plg20.0000°,Azm204.0000° $M_0$1.47600×10^{17}
THE Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=228.0.
ISK Event type ke.
BEO Event type ke.
DDA Event type ke.
(716) Kyrgyzstan
ISC IX 12 05 50 52.5–.34 41.79N–.02 72.02E–.02 23–2 4.4b,3.7s 349 0-152
SOME IX 12 05 50 52.6 41.85N 72.10E 5 4.4b,3.7s ¶601707476
IDC IX 12 05 50 52.1–.45 41.71N 72.04E 24–2 4.4L,4.3
KRNET IX 12 05 50 52.9–.10 41.80N 72.14E 16 5.0b,4.3
MOS IX 12 05 50 52.0–1.4 41.84N 71.87E 31 4.6b,4.3
BJI IX 12 05 50 52.0 41.86N 72.11E 20 4.7L,4.6b
NNC IX 12 05 50 52.6–.85 41.82N 72.13E 2–7 5.2b,4.9
KNET IX 12 05 50 54.1–1.2 41.79N 72.26E 14–8 4.8L,4.9
NEIC IX 12 05 50 54.8–.45 41.80N 72.01E 46–4 4.4b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=8.7km s-min=6.3km az=168.0.
MOS Error ellipse: s-maj=6.7km s-min=5.5km az=76.2. Felt (V-VI) at Arkit, Djilgyn, Djol-Sai, Top-Djangak; (V) at Avletim, Ak-Jok, Kyzyl-Tuu; IV) at Mayluu-Suu, Tash-Kumyr; (III-IV) at Bazar-Korgon, Kara-Kul', Kerben, Kochkor-Ata, Shamaldy-Sai; (III) at Djalal-Abad; (II-III) at Madaniyat, Toktogul. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=5.7km az=30.0.
KNET Error ellipse: s-maj=12.1km s-min=6.0km az=164.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=180.0.
(77) Off coast of Costa Rica
ISC IX 12 06 29 32.1–.64 9.47N–.04 85.16W–.04 17–3 4.8b,4.1s 598 1-152
UCR IX 12 06 29 28.3–1.4 9.25N 85.34W 6 4.8b,4.5L ¶601707480
ISCJB IX 12 06 29 29.7–.19 9.55N–.02 85.18W–.02 10 4.8b,4.1s
IDC IX 12 06 29 29.1–.55 9.38N 85.26W 0 4.5,4.3
GCMT IX 12 06 29 31.7–.30 9.44N–.03 85.33W–.02 12 4.9W,4.3
NEIC IX 12 06 29 34.7–.19 9.52N 85.17W 33 4.8b,4.3
ISC Event type fe.
UCR Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=33.3.
IDC Error ellipse: s-maj=15.6km s-min=10.1km az=87.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s72,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.25±.09 $M_{\theta\theta}$-0.20±.08; $M_{\phi\phi}$2.46±.07; $M_{r\theta}$0.36±.38; $M_{\theta\phi}$-0.05±.07; $M_{\phi r}$1.78±.22; Best double couple: NP1:ϕ_s187.00000°,δ64.00000°,λ-82.00000°. NP2:ϕ_s350.00000°,δ27.00000°,λ-105.00000°. Principal axes: T 3.0590,Plg19.0000° ,Azm271.0000°; N -0.1570,Plg7.0000°,Azm4.0000°; P -2.8950,Plg70.0000°,Azm113.0000° $M_0$2.97700×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=209.0. Felt at Jaco and Tempate.
(14) Kenai Peninsula
ISC IX 12 06 42 12.6–.71 60.24N–.03 151.95W–.03 83–6 4.0b 145 0-93
ISCJB IX 12 06 42 11.5–.20 60.24N–.02 151.92W–.04 91–2 3.9b ¶601851663
IDC IX 12 06 42 11.4–1.4 60.26N 151.98W 70–21 4.0,3.9
NEIC IX 12 06 42 13.7–.00 60.27N 152.00W 80 3.9L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=42.6.
IDC Error ellipse: s-maj=30.2km s-min=9.3km az=114.0.
NEIC Event type fe. Felt [III] at Kasilof and Kenai and [II] at Homer and Sterling. Also felt at Anchor Point, Cooper Landing and Soldotna. After AEIC.
(139) Mendoza Province
ISC IX 12 09 20 57.5–.36 32.63S–.03 68.80W–.03 138–3 4.6b 604 0-173
ISCJB IX 12 09 20 56.1–.23 32.55S–.03 68.71W–.03 134–1 4.5b ¶601709222
SJA IX 12 09 20 57.6–.96 32.64S 68.79W 127–6 4.7L,4.5W
NEIC IX 12 09 20 58.1–.15 32.61S 68.69W 139 4.7,4.6b
IDC IX 12 09 20 58.3–.39 32.58S 68.66W 139–3 4.4,4.1
GUC IX 12 09 20 59.7–.53 32.59S 69.25W 152–14 4.5L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.2km az=16.3.
SJA Error ellipse: s-maj=3.6km s-min=4.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=78.0. Felt [IV] at Mendoza.
IDC Error ellipse: s-maj=16.6km s-min=11.7km az=76.0.
GUC Error ellipse: s-maj=4.2km s-min=15.8km az=-1.0.
(224) Hokkaido region
ISC IX 12 13 06 20.9–1.2 42.64N–.08 145.31E–.04 37–2 3.9b 55 1-65
NIED IX 12 13 06 00 42.70N 145.30E 35 3.6W ¶601863414
MOS IX 12 13 06 18.7–1.1 42.53N 145.29E 40 4.1b
ISCJB IX 12 13 06 19.7–.85 42.64N–.06 145.30E–.05 45–6 3.8b
JMA IX 12 13 06 20.0–.10 42.67N 145.28E 49–2 3.9
SKHL IX 12 13 06 20.8–.60 42.65N 145.28E 37–2 4.5b
IDC IX 12 13 06 22.4–3.2 42.47N 145.23E 59–24 3.7,3.7L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s153.00000°,δ35.00000°,λ4.00000°. NP2:ϕ_s61.00000°,δ88.00000°,λ125.00000°. $M_0$3.28000×10^{14}
MOS Error ellipse: s-maj=18.0km s-min=8.7km az=80.7.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.8km az=152.5.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=25.3km s-min=21.3km az=176.0.
(228) Near east coast of eastern Honshu
ISC IX 12 15 38 15.3–1.3 36.16N–.04 141.15E–.05 16–8 4.2b,3.0s 92 0-147
NIED IX 12 15 38 00 36.20N 141.10E 23 4.1W,3.0s ¶601712520
IDC IX 12 15 38 13.4–.54 36.11N 141.06E 0 4.1,4.1
ISCJB IX 12 15 38 15.4–.62 36.12N–.03 141.08E–.04 27–4 4.2b,3.0s
NEIC IX 12 15 38 15.9–2.3 36.05N 141.02E 18–14 4.7b,3.0s
JMA IX 12 15 38 16.1–.10 36.15N 141.00E 40–1 4.2,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ29.00000°,λ-63.00000°. NP2:ϕ_s179.00000°,δ65.00000°,λ-104.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=14.4km s-min=13.1km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.8km az=171.3.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=72.0. Recorded [3 JMA] in Ibaraki.
JMA Felt [III] J1.
(717) Afghanistan-Tajikistan border region
ISC IX 12 19 29 55.2–.34 36.69N–.03 71.39E–.03 187–3 5.1b 897 3-150
ISCJB IX 12 19 29 53.5–.23 36.68N–.01 71.42E–.02 179–2 5.1b ¶601712521
MOS IX 12 19 29 54.1–.92 36.69N 71.47E 188 5.3b
BJI IX 12 19 29 54.1 36.84N 71.38E 182 4.9b,4.9b
IDC IX 12 19 29 56.1–.62 36.64N 71.50E 197–5 5.1,4.7
NEIC IX 12 19 29 56.2–.15 36.70N 71.44E 192 5.1b,4.7
GCMT IX 12 19 29 57.2–.20 36.76N–.02 71.36E–.02 198–2 5.0W,4.7
NNC IX 12 19 29 57.0–2.8 37.04N 71.17E 187–36 5.5,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=33.3.
MOS Error ellipse: s-maj=5.2km s-min=3.6km az=112.7.
IDC Error ellipse: s-maj=9.3km s-min=7.1km az=9.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=184.0. Felt at Kabul. Also felt at Dir, Pakistan and at Dushanbe, Tajikistan.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c36; s93,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.11 $M_{\theta\theta}$-0.41±.14; $M_{\phi\phi}$-2.66±.13; $M_{r\theta}$-0.79±.10; $M_{\theta\phi}$-1.24±.13; $M_{\phi r}$2.04±.10; Best double couple: NP1:ϕ_s2.00000°,δ62.00000°,λ68.00000°. NP2:ϕ_s223.00000°,δ35.00000°,λ125.00000°. Principal axes: T 4.0120,Plg66.0000° ,Azm232.0000°; N -0.4120,Plg19.0000°,Azm13.0000°; P -3.6050,Plg14.0000° ,Azm108.0000° $M_0$3.80800×10^{16}
NNC Event type se. Error ellipse: s-maj=29.4km s-min=15.1km az=164.0.
(228) Near east coast of eastern Honshu
ISC IX 12 19 42 05.9–2.0 37.27N–.04 141.96E–.06 9–11 3.9b 46 1-77
NIED IX 12 19 42 00 37.30N 141.90E 32 4.0W ¶601819763
IDC IX 12 19 42 04.5–.75 37.28N 141.92E 0 4.0,3.9
ISCJB IX 12 19 42 05.4–1.1 37.25N–.03 142.04E–.05 17–7 3.8b,3.5s
JMA IX 12 19 42 08.4–.10 37.28N 141.91E 41–3 4.3,3.5s
NEIC IX 12 19 42 09.7–1.2 37.28N 141.94E 36–11 4.4b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ62.00000°,λ-149.00000°. NP2:ϕ_s112.00000°,δ63.00000°,λ-32.00000°. $M_0$1.05000×10^{15}
IDC Error ellipse: s-maj=20.9km s-min=14.9km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.1km az=27.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=129.0. Recorded [1 JMA] in Fukushima and Miyagi.
(228) Near east coast of eastern Honshu
ISC IX 12 23 32 37.3–.86 36.82N–.04 141.18E–.08 22–5 3.8b 28 0-147
NIED IX 12 23 32 00 36.70N 141.30E 5 3.8W ¶601863437
IDC IX 12 23 32 34.0–.86 36.73N 141.17E 0 3.9,3.7

ISCJB IX 12 23 32 35.5–1.1 36.78N–.04 141.30E–.07 23–6 3.7b,3.7
JMA IX 12 23 32 35.6 36.76N 141.26E 31–1 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ40.00000°,λ-69.00000°. NP2:ϕ_s185.00000°,δ53.00000°,λ-107.00000°. $M_0$4.95000×10^{14}
IDC Error ellipse: s-maj=23.7km s-min=21.2km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.6km az=15.1.
JMA Felt [I] J1.

(97) Near coast of Venezuela

ISC IX 13 00 22 28.1–1.3 10.33N–.04 62.41W–.03 16–8 4.6b,3.7s 618 1-161
ISCJB IX 13 00 22 26.0–.21 10.33N–.02 62.46W–.02 10 4.5b,3.7s **¶606542223**
TRN IX 13 00 22 26.9 10.21N 62.35W 12 4.7,3.7s
NEIC IX 13 00 22 28.8–.00 10.28N 62.21W 8 4.8W,4.7
IDC IX 13 00 22 32.6–1.6 10.49N 62.47W 48–15 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=39.0.
TRN Felt in parts of Trinidad, MMI II.
NEIC Event type fe. Felt at Chaguanas, Mucurapo and Saint James, Trinidad. After CAR.
IDC Error ellipse: s-maj=12.1km s-min=10.5km az=98.0.

(375) Iraq

ISC IX 13 02 42 22.0–.44 37.04N–.03 43.77E–.03 10 4.3b 179 1-69
BJI IX 13 02 42 16.1 36.91N 43.20E 10 4.9b,4.7b **¶601712967**
ISN IX 13 02 42 18.4–1.1 36.92N 43.75E 0–5 4.2L,4.7b
ISK IX 13 02 42 18.9 36.94N 43.70E 5–0 4.4L,4.7b
NEIC IX 13 02 42 20.2–.00 36.96N 43.66E 9 4.5b,4.2L
ISCJB IX 13 02 42 20.4–.28 36.94N–.02 43.72E–.03 10 4.4b,4.3s
DDA IX 13 02 42 21.1 37.20N 43.74E 6 4.1L,4.3s
MOS IX 13 02 42 22.0–1.1 36.87N 43.72E 27 4.2b,4.3s
IDC IX 13 02 42 23.0–.83 37.28N 43.81E 0 4.0,3.9b
GII IX 13 02 42 27.6–.00 36.74N 43.60E 10 4.0,3.9b
ISC Event type fe.
ISN Error ellipse: s-maj=8.0km s-min=5.9km az=-1.0.
ISK Event type ke.
NEIC Event type fe. Felt at Erbil. After ISK.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=161.7.
DDA Event type ke.
MOS Error ellipse: s-maj=12.2km s-min=5.5km az=93.1.
IDC Error ellipse: s-maj=14.5km s-min=12.3km az=104.0.
GII Event type ke.

(248) Philippine Islands region

ISC IX 13 05 41 15.9–1.6 10.51N–.03 126.24E–.05 7–10 4.2b 57 1-90
NEIC IX 13 05 41 16.2–.55 10.69N 126.07E 35 4.5b **¶601751659**
MAN IX 13 05 41 19.6 10.55N 126.14E 15 5.0b,4.0s
IDC IX 13 05 41 31.2–2.0 10.46N 126.10E 140–20 4.1,3.8
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=27.1km s-min=8.6km az=82.0. Felt [II PIVS] at Surigao, Mindanao.
IDC Error ellipse: s-maj=20.1km s-min=10.3km az=74.0.

(70) Guatemala

ISC IX 13 05 46 12.8–1.1 13.93N–.08 91.04W–.07 60–11 4.0b 71 1-146
ISCJB IX 13 05 46 11.6–.62 13.91N–.06 91.06W–.05 76–6 3.9b **¶601715691**
UCR IX 13 05 46 12.8–1.3 13.74N 90.97W 20–7 4.2b,4.1L
NEIC IX 13 05 46 13.4–.73 14.02N 91.02W 65–9 4.2b,4.1L
IDC IX 13 05 46 13.0–2.0 13.90N 91.08W 68–16 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=4.3km az=37.6.
UCR Error ellipse: s-maj=11.2km s-min=5.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=5.7km az=216.0. Felt at Mixco.
IDC Error ellipse: s-maj=21.8km s-min=12.6km az=30.0.

(248) Philippine Islands region

ISC IX 13 05 54 49.0–.48 10.24N–.03 127.04E–.03 24–3 5.4b,4.2s 1010 2-173
BJI IX 13 05 54 42.8 9.83N 127.22E 23 5.3b,5.2b **¶601712536**
ISCJB IX 13 05 54 44.3–.68 10.33N–.02 127.02E–.02 1–4 5.4b,4.2s
IDC IX 13 05 54 45.4–.29 10.23N 126.96E 0 5.3,5.3
MAN IX 13 05 54 47.7 10.47N 127.12E 37 5.6b,5.1s
MOS IX 13 05 54 48.6–1.1 10.30N 126.94E 31 5.6b,4.3s
NEIC IX 13 05 54 49.0–.99 10.24N 126.94E 23–7 5.4b,4.3s
GCMT IX 13 05 54 49.0–.20 10.34N–.01 127.07E–.01 12 5.1W,4.3s
DJA IX 13 05 54 52.4–.40 10N–2.0 127E–2.0 45–3 5.9,5.7b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c82; s101,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.07±.12 $M_{\theta\theta}$1.12±.10; $M_{\phi\phi}$3.95±.11; $M_{r\theta}$1.55±.36; $M_{\theta\phi}$-3.78±.09; $M_{\phi r}$0.58±.31; Best double couple: NP1:ϕ_s306.00000°,δ51.00000°,λ-118.00000°. NP2:ϕ_s165.00000°,δ47.00000°,λ-61.00000°. Principal axes: T 6.5860,Plg2.0000° ,Azm55.0000°; N -0.8870,Plg21.0000°,Azm324.0000°; P -5.6980,Plg69.0000° ,Azm150.0000° $M_0$6.14200×10^{16}

(2) Southern Alaska

ISC IX 13 05 58 03.7–.60 59.61N–.04 153.18W–.04 105–5 4.6b 194 0-162
BJI IX 13 05 58 00.5 59.30N 153.74W 97 5.1b,4.7b **¶601712537**
ISCJB IX 13 05 58 02.0–.17 59.64N–.02 153.15W–.04 115–2 4.4b,4.7b
IDC IX 13 05 58 01.7–1.1 59.64N 153.40W 88–12 4.5,4.4
NEIC IX 13 05 58 04.2–.00 59.62N 153.16W 104 4.2b,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=141.4.
IDC Error ellipse: s-maj=13.5km s-min=9.3km az=103.0.
NEIC Event type fe. Felt at Anchor Point and Kodiak. After AEIC. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}0.74 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.41 $M_{r\theta}$0.39 $M_{\theta\phi}$0.37 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s315.00000°,δ51.00000°,λ145.00000°. NP2:ϕ_s69.00000° ,δ64.00000°,λ45.00000°. Principal axes: T 1.4200,Plg50.0000°,Azm288.0000° ; N -0.1600,Plg39.0000°,Azm93.0000°; P -1.2600,Plg8.0000°,Azm189.0000° $M_0$1.40000×10^{15}

(228) Near east coast of eastern Honshu

JMA IX 13 09 24 45.7–.10 37.24N 141.30E 36–1 3.5
NIED IX 13 09 24 00 37.20N 141.30E 35 3.4W **¶603674085**
JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ18.00000°,λ-78.00000°. NP2:ϕ_s210.00000°,δ72.00000°,λ-94.00000°. $M_0$1.49000×10^{14}

(228) Near east coast of eastern Honshu

ISC IX 13 17 22 07.5–.39 35.83N–.03 140.59E–.03 33–1 5.2b,4.8s 972 0-162
NIED IX 13 17 22 00 35.90N 140.60E 44 5.1W,4.8s **¶601712982**
BJI IX 13 17 22 02.9 35.63N 140.84E 38 5.0b,5.0b
MOS IX 13 17 22 05.8–1.1 35.83N 140.55E 33 5.4b,4.6s
JMA IX 13 17 22 06.5–.10 35.86N 140.54E 37–1 5.1,4.6s
ISCJB IX 13 17 22 07.1–.25 35.78N–.02 140.44E–.02 37–2 5.2b,4.7s
IDC IX 13 17 22 08.3–1.3 35.73N 140.46E 41–11 5.0,4.8
NEIC IX 13 17 22 08.4–.10 35.75N 140.39E 35 5.2b,4.8
GCMT IX 13 17 22 09.4–.30 35.85N–.02 140.59E–.02 20–1 5.2W,4.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ7.00000°,λ98.00000°. NP2:ϕ_s50.00000°,δ83.00000°,λ89.00000°. $M_0$5.15000×10^{16}
JMA Felt [IV] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s55.00000°,δ54.00000°,λ108.00000°. NP2:ϕ_s206.00000°,δ40.00000°,λ67.00000°. Principal axes: T Plg74.0000°,Azm16.0000°; N Plg14.0000°,Azm224.0000°; P Plg7.0000° ,Azm132.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Chiba and Tsuchiura, [IV] at Narita and [III] at Tokyo and Yokohama. Felt widely in east-central Honshu. Recorded [4 JMA] in Chiba and Ibaraki.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c48; s83,c137;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.16 $M_{\theta\theta}$-1.29±.12; $M_{\phi\phi}$-0.20±.10; $M_{r\theta}$5.89±.66; $M_{\theta\phi}$-0.92±.08; $M_{\phi r}$5.05±.63; Best double couple: NP1:ϕ_s50.00000°,δ84.00000°,λ87.00000°. NP2:ϕ_s255.00000°,δ7.00000°,λ115.00000°. Principal axes: T 7.8130,Plg51.0000° ,Azm316.0000°; N 0.2470,Plg3.0000°,Azm50.0000°; P -8.0590,Plg39.0000°,Azm142.0000° $M_0$7.93600×10^{16}

(228) Near east coast of eastern Honshu

ISC IX 13 17 45 49.2–.76 35.83N–.05 140.63E–.06 50 3.4b 28 0-79
IDC IX 13 17 45 43.4–.83 35.74N 140.60E 0 3.7,3.6 **¶606029880**
ISCJB IX 13 17 45 46.9–.45 35.83N–.03 140.66E–.06 50 3.4b,3.6
JMA IX 13 17 45 48.3–.10 35.86N 140.53E 35–1 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=15.5km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=163.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC IX 13 19 42 13.5–1.7 39.05N–.04 142.48E–.07 17–9 3.7b 33 1-76
NIED IX 13 19 42 00 39.10N 142.40E 32 3.9W **¶601863481**
JMA IX 13 19 42 15.3–.10 39.07N 142.38E 32–1 3.8
IDC IX 13 19 42 17.8–3.2 39.00N 142.41E 50–31 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ17.00000°,λ-127.00000°. NP2:ϕ_s198.00000°,δ76.00000°,λ-80.00000°. $M_0$7.10000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=18.0km az=74.0.

(257) Negros

ISC IX 13 22 39 45.5–1.2 9.93N–.04 123.22E–.04 20–5 4.4b 22 1-92
MAN IX 13 22 39 44.5 9.95N 123.16E 1 4.9b,3.8L **¶601735797**
NEIC IX 13 22 39 47.5–.62 9.95N 123.24E 35 4.3b,3.8L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=12.1km az=72.0. Felt [III PIVS] at Tayasan and [II PIVS] at La Libertad, Negros.

(228) Near east coast of eastern Honshu

ISC IX 13 23 18 38.3–1.7 39.06N–.04 142.41E–.06 17–10 4.1b 36 1-76
NIED IX 13 23 18 00 39.10N 142.40E 32 3.8W **¶601738691**
JMA IX 13 23 18 38.7–.10 39.07N 142.38E 32–1 4.0
IDC IX 13 23 18 42.0–2.5 39.06N 142.38E 52–23 3.9,3.9
NEIC IX 13 23 18 43.5–.87 39.00N 142.32E 68–8 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ20.00000°,λ-98.00000°. NP2:ϕ_s199.00000°,δ70.00000°,λ-87.00000°. $M_0$6.07000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=13.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.7km az=123.0. Recorded [2 JMA] in Miyagi.

(282) South of Jawa

ISC IX 13 23 40 04.3–1.1 10.92S–.04 113.76E–.04 23–7 5.4b,4.4s 757 2-175
BJI IX 13 23 40 00.5 10.80S 113.70E 6 5.3b,5.2b **¶601713647**
ISCJB IX 13 23 40 00.2–.77 10.88S–.02 113.71E–.02 6–4 5.3b,4.4s
IDC IX 13 23 40 01.4–.43 10.72S 113.81E 0 5.0,5.0
NEIC IX 13 23 40 03.0–.14 10.77S 113.76E 10 5.4b,5.0
DJA IX 13 23 40 04.5–.60 11S–2.0 114E–1.0 19–4 5.6b,5.5
MOS IX 13 23 40 05.2–1.1 10.63S 113.82E 33 5.6b,4.4s
GCMT IX 13 23 40 05.0–.20 10.99S–.01 113.86E–.02 12 5.0W,4.4s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Kuta, Bali.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c43; s90,c152;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.66±.10 $M_{\theta\theta}$3.67±.07; $M_{\phi\phi}$-1.01±.11; $M_{r\theta}$0.52±.23; $M_{\theta\phi}$-1.32±.07; $M_{\phi r}$-1.65±.35; Best double couple: NP1:ϕ_s312.00000°,δ60.00000°,λ-53.00000°. NP2:ϕ_s76.00000°,δ46.00000°,λ-136.00000°. Principal axes: T 4.1500,Plg8.0000° ,Azm17.0000°; N -0.4610,Plg31.0000°,Azm112.0000°; P -3.6890,Plg57.0000° ,Azm274.0000° $M_0$3.91900×10^{16}

(228) Near east coast of eastern Honshu

ISC IX 14 02 20 16.2–2.1 38.41N–.06 142.12E–.09 28–13 3.6b 25 1-59
NIED IX 14 02 20 00 38.40N 142.10E 53 3.7W **¶601863497**
JMA IX 14 02 20 18.1–.10 38.47N 142.05E 43–1 3.9
IDC IX 14 02 20 20.5–4.0 38.38N 142.02E 70–35 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ33.00000°,λ26.00000°. NP2:ϕ_s113.00000°,δ76.00000°,λ121.00000°. $M_0$4.62000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=36.8km s-min=24.1km az=85.0.

(238) Ryukyu Islands

ISC IX 14 04 42 33.7–.65 27.86N–.03 129.97E–.04 34–1 4.2b 81 0-97
NIED IX 14 04 42 00 27.80N 130.00E 29 4.3W **¶601863504**
ISCJB IX 14 04 42 32.1–.47 27.85N–.02 130.01E–.04 35–4 4.1b
JMA IX 14 04 42 32.6–.20 27.90N 129.97E 55–3 4.1
NEIC IX 14 04 42 33.9–.37 27.89N 129.93E 34 4.4b
IDC IX 14 04 42 34.2–.72 27.92N 129.90E 33–4 4.2L,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ63.00000°,λ-151.00000°. NP2:ϕ_s265.00000°,δ65.00000°,λ-30.00000°. $M_0$2.88000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.2km az=29.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.9km az=84.0. Recorded [1 JMA] on Amami-oshima and Kikaiga-shima.
IDC Error ellipse: s-maj=18.5km s-min=12.5km az=86.0.

(274) Southern Sumatera

ISC IX 14 04 51 48.1–.40 3.30S–.03 100.67E–.03 23–2 6.3s,6.0b 2145 2-179
BJI IX 14 04 51 44.8 3.27S 100.61E 19 6.6s,6.5 **¶603272822**
ISCJB IX 14 04 51 46.2–.56 3.31S–.02 100.58E–.02 23–3 6.3s,6.0b
MOS IX 14 04 51 47.9–1.0 3.22S 100.63E 33 6.3b,6.2s
NEIC IX 14 04 51 47.1–.09 3.32S 100.59E 19 6.3s,6.2W
IDC IX 14 04 51 47.6–2.6 3.34S 100.58E 21–16 6.1,6.1s
NEIC IX 14 04 51 48.0–.00 3.54S 100.50E 23 6.1,6.1s
DJA IX 14 04 51 49.6–.30 3S–2.0 100E–2.0 35–3 6.4,6.4b
GCMT IX 14 04 51 51.1–.10 3.58S 100.32E 12 6.3W,6.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=35.0.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=114.9.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=38.0. Felt [IV] at Bengkulu, Padang, Painan and Pesisir Selatan, Sumatra and [III] on Pulau Sipura. Also felt in Singapore. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18} Nm; M_{rr}1.59 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$-0.51 $M_{r\theta}$1.52 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.96 Best double couple: NP1: ϕ_s120.00000°,δ71.00000°,λ94.00000°. NP2:ϕ_s289.00000°,δ19.00000°,λ80.00000°. Principal axes: T 2.4900,Plg63.0000°,Azm35.0000°; N -0.4500,Plg3.0000°,Azm299.0000° ; P -2.0400,Plg26.0000°,Azm207.0000° $M_0$2.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ5.00000°,λ90.00000°. NP2: ϕ_s130.00000°,δ85.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm40.0000° ; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm220.0000°
IDC Error ellipse: s-maj=11.5km s-min=8.9km az=44.0.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-0.62 $M_{r\theta}$1.72 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.13 Best double couple: NP1:ϕ_s126.00000° ,δ81.00000°,λ80.00000°. NP2:ϕ_s355.00000°,δ14.00000°,λ139.00000°. Principal axes: T 2.2300,Plg52.0000°,Azm23.0000°; N -0.0700,Plg10.0000°,Azm127.0000° ; P -2.1600,Plg35.0000°,Azm224.0000° $M_0$2.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c346; s137,c432; Duration: 3^{s}9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99±.01 $M_{\theta\theta}$-0.47±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$2.28±.02; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-1.86±.02; Best double couple: NP1:ϕ_s130.00000°,δ81.00000° ,λ88.00000°. NP2:ϕ_s324.00000°,δ10.00000°,λ104.00000°. Principal axes: T 3.0940,Plg54.0000°,Azm37.0000°; N 0.0380,Plg2.0000°,Azm130.0000° ; P -3.1310,Plg36.0000°,Azm222.0000° $M_0$3.11300×10^{18}

(233) Near south coast of western Honshu

ISC IX 14 07 05 19.3–1.1 34.16N–.04 135.67E–.03 56–7 31 0-54
ISCJB IX 14 07 05 18.6–.54 34.15N–.04 135.65E–.04 60–5 3.4b **¶601863511**
JMA IX 14 07 05 19.3 34.15N 135.66E 57–1 3.4
IDC IX 14 07 05 20.2–2.0 34.11N 135.67E 63–38 3.7,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.0km az=173.5.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s249.00000°,δ85.00000°,λ-158.00000°. NP2:ϕ_s157.00000°,δ69.00000°,λ-6.00000°. Principal axes: T Plg11.0000°,Azm21.0000°; N Plg68.0000°,Azm263.0000°; P Plg19.0000° ,Azm115.0000°
IDC Error ellipse: s-maj=43.5km s-min=23.2km az=179.0.

(228) Near east coast of eastern Honshu

JMA IX 14 07 18 02.6–.10 36.61N 141.03E 49–1 3.6
¶606030356

JMA Felt [I] J1.

(227) Eastern Honshu

JMA IX 14 08 43 50.7 35.10N 137.82E 18 2.9 ¶606030386

JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s177.00000°,δ51.00000°,λ60.00000°. NP2:ϕ_s40.00000°,δ47.00000°,λ122.00000°. Principal axes: T Plg67.0000°,Azm23.0000°; N Plg23.0000°,Azm197.0000°; P Plg2.0000° ,Azm288.0000°

(35) Near coast of northern California

ISC	**IX**	**14 11 53 16.9–1.1**	**40.49N–.03**	**124.10W–.04**	**16–7**	**4.3b,3.6s**	**401**	**0-98**
BJI	IX	14 11 53 15.0	40.40N	124.20W	24	5.4b,5.1b		**¶601715697**
IDC	IX	14 11 53 16.3–4.2	40.59N	124.03W	12–22	4.2,4.1		
NEIC	IX	14 11 53 17.5–.00	40.44N	124.19W	27	4.4W,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=12.6km az=54.0.
NEIC Event type fe. Felt [IV] at Fortuna, Hydesville and Scotia; [III] at Bayside, Carlotta, Eureka, Ferndale, Garberville, Loleta, Petrolia, Redway, Rio Dell and Whitethorn; [II] at Arcata, Kneeland, Myers Flat and Samoa. Also felt at Blue Lake, Bridgeville, Hoopa, McKinleyville, Mendocino, Piercy, Redcrest, Santa Rosa, Trinity Center and Willits. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**IX**	**14 17 48 59.8–1.2**	**34.23N–.04**	**140.31E–.06**	**50–14**		**26**	**1-58**
ISCJB	IX	14 17 48 59.2–.66	34.23N–.03	140.27E–.07	63–8	3.4b		**¶601863541**
JMA	IX	14 17 49 00.1–.10	34.27N	140.29E	46–3	3.7		
IDC	IX	14 17 49 03.5–.95	33.99N	139.39E	68–17	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.3km az=168.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=102.7km s-min=6.5km az=71.0.

(35) Near coast of northern California

ISC	**IX**	**14 18 19 51.0–.97**	**40.42N–.03**	**124.16W–.05**	**28–9**		**195**	**0-15**
ISCJB	IX	14 18 19 50.0–.31	40.46N–.01	124.21W–.04	34–7			**¶601734489**
NEIC	IX	14 18 19 50.9–.00	40.44N	124.16W	27	4.0W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.1km az=169.2.
NEIC Event type fe. Felt [III] at Ferndale, Fortuna and Rio Dell; [II] at Eureka. Also felt at Arcata, Carlotta, Hydesville, Loleta, Petrolia, Redcrest and Scotia. After NCEDC. Moment Tensor Solution. $M_0$1.10000×10^{15}

(228) Near east coast of eastern Honshu

JMA	**IX**	**15 00 14 16.1–.10**	**38.83N**	**142.55E**	**30–2**	**4.0**		
NIED	IX	15 00 14 00	38.80N	142.60E	35	3.7W		**¶603614251**

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ32.00000°,λ-125.00000°. NP2:ϕ_s185.00000°,δ64.00000°,λ-70.00000°. $M_0$3.47000×10^{14}

(135) Near coast of central Chile

ISC	**IX**	**15 00 40 14.4–1.1**	**34.70S–.04**	**72.83W–.06**	**25–7**	**4.6b,3.6s**	**129**	**1-177**
GUC	IX	15 00 40 02.3–.42	35.41S	73.41W	31–6	4.5L,3.6s		**¶601717568**
IDC	IX	15 00 40 10.7–.55	34.62S	72.60W	0	4.4,4.3		
ISCJB	IX	15 00 40 12.5–1.8	34.68S–.03	72.77W–.07	15–11	4.6b,3.6s		
NEIC	IX	15 00 40 16.4–1.6	34.64S	72.56W	34–11	4.7b,4.5L		

ISC Event type fe.
GUC Error ellipse: s-maj=8.1km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=13.8km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.7km az=174.6.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=3.5km az=86.0. Felt [III] at Linares and Longavi; [II] at Constitucion, Parral and San Clemente.

(135) Near coast of central Chile

ISC	**IX**	**15 00 50 47.4–2.3**	**34.70S–.04**	**72.82W–.08**	**30–16**	**4.4b**	**69**	**1-158**
IDC	IX	15 00 50 43.2–.63	34.66S	72.66W	0	4.2,4.1L		**¶601717569**
NEIC	IX	15 00 50 45.0–.00	34.62S	72.92W	26	4.5b,4.2L		
GUC	IX	15 00 50 45.2–.52	34.62S	72.92W	26–3	4.2L,4.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=29.4km s-min=15.6km az=89.0.
NEIC Event type fe. Felt [II] at Constitucion, Maule and Pelarco. After GUC.
GUC Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.

(110) Peru-Ecuador border region

ISC	**IX**	**15 05 14 25.5–.42**	**3.91S–.04**	**80.39W–.07**	**57**	**4.3b**	**187**	**2-166**
ISCJB	IX	15 05 14 24.5–.29	4.01S–.03	80.43W–.04	57	4.2b		**¶601717670**
NEIC	IX	15 05 14 24.1–.34	3.92S	80.35W	35	4.3b,4.0L		
IDC	IX	15 05 14 29.2–2.1	3.81S	80.17W	90–21	4.0,3.8		
IGQ	IX	15 05 14 31.0–.77	4S–6.0	80W–8.0	48–34	5.0,5.0		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Mancora, Peru. Felt at Huaquillas, Ecuador.

(251) Samar

ISC	**IX**	**15 07 04 02.6–.85**	**12.62N–.03**	**125.60E–.04**	**32–5**	**5.0b,4.6s**	**511**	**1-166**
BJI	IX	15 07 03 56.7	12.41N	125.74E	17	5.3b,5.1s		**¶601717591**
MAN	IX	15 07 03 57.8	12.72N	125.83E	24	5.8b,5.3s		
IDC	IX	15 07 03 57.4–.37	12.53N	125.48E	0	5.0L,4.8		
ISCJB	IX	15 07 04 00.2–.75	12.63N–.02	125.62E–.03	28–5	4.8b,4.6s		
MOS	IX	15 07 04 00.7–1.1	12.51N	125.47E	33	5.3b,4.8s		
NEIC	IX	15 07 04 01.8–1.2	12.53N	125.52E	27–8	5.1b,4.8s		
GCMT	IX	15 07 04 02.8–.10	12.72N–.01	125.66E–.01	13–0	5.2W,4.8s		
DJA	IX	15 07 04 10.0–.90	13N–5.0	126E–3.0	112–8	5.5b,5.1b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Mapanas. Felt [I PIVS] at Tacloban, Leyte.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c107; s112,c175;Duration: 1ŝ0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.32±.16 $M_{\theta\theta}$-0.65±.10; $M_{\phi\phi}$-4.66±.12; $M_{r\theta}$-1.69±.27; $M_{\theta\phi}$2.51±.07; $M_{\phi r}$5.22±.35; Best double couple: NP1:ϕ_s340.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s148.00000°,δ23.00000°,λ79.00000°. Principal axes: T 7.5940,Plg67.0000° ,Azm259.0000°; N 0.4960,Plg4.0000°,Azm158.0000°; P -8.0840,Plg22.0000°,Azm66.0000° $M_0$7.83900×10^{16}

(140) San Luis Province

ISC	**IX**	**15 09 37 17.7–.44**	**32.85S–.05**	**66.79W–.04**	**35**	**4.6b**	**89**	**1-172**
IDC	IX	15 09 37 11.9–.60	32.82S	66.67W	0	4.2,4.1		**¶601734493**
ISCJB	IX	15 09 37 15.4–.27	32.91S–.04	66.49W–.05	33	4.5b,4.1		
NEIC	IX	15 09 37 17.6–.45	32.85S	66.60W	36–4	4.6b,4.4		
SJA	IX	15 09 37 17.5–.65	32.79S	66.81W	27–3	4.4W,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=25.5km s-min=16.2km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.7km az=149.3.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=82.0. Felt [III] at San Luis and Villa Mercedes.
SJA Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0.

(251) Samar

ISC	**IX**	**15 10 26 25.5–.50**	**12.59N–.02**	**125.60E–.03**	**33–3**	**5.3b,4.9s**	**906**	**1-171**
IDC	IX	15 10 26 20.5–.35	12.57N	125.51E	0	5.1,5.0		**¶601717681**
BJI	IX	15 10 26 20.7	12.30N	125.73E	32	5.5b,5.3s		
MAN	IX	15 10 26 21.3	12.72N	125.79E	23	5.9b,5.4s		
ISCJB	IX	15 10 26 23.1–.55	12.66N–.01	125.59E–.02	25–3	5.2b,4.8s		
MOS	IX	15 10 26 24.0–.95	12.58N	125.46E	33	5.6b,4.8s		
GCMT	IX	15 10 26 25.0–.10	12.70N–.01	125.64E–.01	13–0	5.4W,4.8s		
NEIC	IX	15 10 26 26.0–.11	12.56N	125.47E	35	5.3b,4.8s		
DJA	IX	15 10 26 36.4–.70	13N–5.0	126E–3.0	136–6	6.3,5.7b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c194; s130,c230;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-0.87±.01; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$0.49±.01; $M_{\phi r}$0.98±.05; Best double couple: NP1:ϕ_s342.00000°,δ67.00000°,λ97.00000°. NP2:ϕ_s144.00000°,δ24.00000°,λ74.00000°. Principal axes: T 1.4080,Plg67.0000° ,Azm265.0000°; N 0.1020,Plg6.0000°,Azm159.0000°; P -1.5110,Plg22.0000°,Azm67.0000° $M_0$1.45900×10^{17}
NEIC Event type fe. Felt [IV PIVS] at Gamay, Lapinig and Mapanas and [III PIVS] at Borongan, General MacArthur and San Policarpio. Also felt [III PIVS] at Tacloban, Leyte.

(122) Near coast of northern Chile

ISC	**IX**	**15 10 38 59.3–1.4**	**18.50S–.05**	**70.7W–.10**	**43–12**	**4.4b**	**34**	**0-162**
ISCJB	IX	15 10 38 59.1–1.0	18.54S–.04	70.72W–.08	42–8	4.2b		**¶601734495**
GUC	IX	15 10 39 01.5–.53	18.65S	70.52W	40–2	3.8L		
NEIC	IX	15 10 39 01.0–.00	18.65S	70.52W	40	4.3L,4.3b		
IDC	IX	15 10 39 10.2–4.7	18.27S	70.06W	133–34	4.0,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.2km az=6.2.
GUC Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [III] at Arica and Poconchile. Felt [II] at Tacna, Peru. After GUC.
IDC Error ellipse: s-maj=53.2km s-min=49.2km az=179.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**15 16 09 44.2–1.4**	**35.74N–.03**	**141.08E–.05**	**3–8**	**4.3b,4.2s**	**103**	**0-91**
NIED	IX	15 16 09 00	35.80N	141.10E	11	4.3W,4.2s		**¶601717918**
BJI	IX	15 16 09 41.0	35.59N	141.01E	5	5.0b,4.5b		
IDC	IX	15 16 09 43.6–.51	35.62N	141.01E	0	4.2,4.1		
ISCJB	IX	15 16 09 44.0–.80	35.69N–.03	141.07E–.05	14–4	4.3b,4.2s		
NEIC	IX	15 16 09 45.0–.36	35.65N	141.01E	10	4.3b,4.2s		
JMA	IX	15 16 09 45.8–.20	35.76N	141.00E	14–1	4.4,4.2s		
MOS	IX	15 16 09 47.1–1.7	35.70N	140.98E	33	4.7b,4.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ45.00000°,λ-89.00000°. NP2:ϕ_s181.00000°,δ45.00000°,λ-91.00000°. $M_0$2.75000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=11.3km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=167.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.1km az=114.0. Recorded [3 JMA] in Ibaraki.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ65.00000°,λ-50.00000°. NP2: ϕ_s335.00000°,δ46.00000°,λ-144.00000°. Principal axes: T Plg11.0000°,Azm281.0000° ; N Plg36.0000°,Azm19.0000°; P Plg52.0000°,Azm177.0000°
MOS Error ellipse: s-maj=11.4km s-min=7.2km az=120.6.

(226) Near west coast of eastern Honshu

ISC	**IX**	**15 16 17 31.3–.89**	**37.10N–.05**	**138.63E–.04**	**16**		**17**	**0-61**
NIED	IX	15 16 17 00	37.00N	138.60E	5	3.5W		**¶601863588**
IDC	IX	15 16 17 28.6–1.8	37.13N	138.68E	0	4.0,3.9		
ISCJB	IX	15 16 17 31.2–.61	37.06N–.05	138.58E–.05	16	4.0b,3.9		
JMA	IX	15 16 17 31.8	37.05N	138.62E	11–1	3.4,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ75.00000°. NP2:ϕ_s36.00000°,δ63.00000°,λ98.00000°. $M_0$2.37000×10^{14}
IDC Error ellipse: s-maj=14.9km s-min=12.2km az=21.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.1km az=148.4.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s357.00000°,δ88.00000°,λ80.00000°. NP2:ϕ_s255.00000°,δ10.00000°,λ168.00000°. Principal axes: T Plg46.0000°,Azm257.0000°; N Plg10.0000°,Azm357.0000°; P Plg42.0000° ,Azm96.0000°

(282) South of Jawa

ISC	**IX**	**15 16 32 24.1–.54**	**10.74S–.03**	**113.94E–.03**	**29–3**	**5.6b,5.2s**	**1084**	**2-175**
BJI	IX	15 16 32 19.0	10.80S	113.95E	5	5.8b,5.5s		**¶601717919**
IDC	IX	15 16 32 19.8–.31	10.74S	113.86E	0	5.4,5.4b		
ISCJB	IX	15 16 32 21.7–.53	10.82S–.02	113.83E–.02	25–3	5.6b,5.2s		
NEIC	IX	15 16 32 21.5–.15	10.73S	113.87E	10	5.7W,5.6W		
NEIC	IX	15 16 32 21.0–.00	10.87S	113.96E	15	5.7W,5.6W		
MOS	IX	15 16 32 23.6–.99	10.63S	113.96E	33	5.8b,5.1s		
GCMT	IX	15 16 32 23.5–.10	10.97S	113.86E	12	5.7W,5.1s		
DJA	IX	15 16 32 24.4–.50	11S–1.0	114E–1.0	29–4	6.1,6.1b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Kuta and [II] at Denpasar, Tabanan and Ubud, Bali. Also felt at Gianyar and Sukawati. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.36 $M_{r\theta}$2.22 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.78 Best double couple: NP1:ϕ_s291.00000° ,δ74.00000°,λ-97.00000°. NP2:ϕ_s136.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 2.8700,Plg28.0000°,Azm27.0000°; N -0.1000,Plg7.0000°,Azm294.0000° ; P -2.7800,Plg61.0000°,Azm191.0000° $M_0$2.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.65 $M_{\theta\theta}$3.12 $M_{\phi\phi}$0.54 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s275.00000° ,δ56.00000°,λ-100.00000°. NP2:ϕ_s114.00000°,δ35.00000°,λ-74.00000°. Principal axes: T 3.5700,Plg10.0000°,Azm12.0000°; N 0.4500,Plg8.0000°,Azm281.0000° ; P -4.0200,Plg76.0000°,Azm151.0000° $M_0$3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c228; s136,c404; Duration: 1ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.68±.03 $M_{\theta\theta}$3.86±.03; $M_{\phi\phi}$-0.18±.03; $M_{r\theta}$2.81±.08; $M_{\theta\phi}$-1.41±.03; $M_{\phi r}$-1.12±.09; Best double couple: NP1:ϕ_s290.00000°,δ64.00000° ,λ-87.00000°. NP2:ϕ_s104.00000°,δ27.00000°,λ-96.00000°. Principal axes: T 5.3160,Plg19.0000°,Azm18.0000°; N -0.6160,Plg3.0000°,Azm109.0000° ; P -4.7030,Plg71.0000°,Azm207.0000° $M_0$5.00900×10^{17}

(227) Eastern Honshu

ISC	**IX**	**15 22 11 05.9–.89**	**35.01N–.03**	**138.23E–.05**	**30–6**		**20**	**0-58**
NIED	IX	15 22 11 00	35.00N	138.10E	26	3.6W		**¶601863610**
ISCJB	IX	15 22 11 06.4–.55	34.97N–.03	138.16E–.05	26–4	3.8b		
JMA	IX	15 22 11 06.0	35.00N	138.11E	30–1	3.6		
IDC	IX	15 22 11 08.3–1.7	34.96N	138.40E	61–25	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ25.00000°,λ-150.00000°. NP2:ϕ_s214.00000°,δ78.00000°,λ-68.00000°. $M_0$2.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.7km az=0.5.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s224.00000°,δ86.00000°,λ-42.00000°. NP2:ϕ_s318.00000°,δ48.00000°,λ-175.00000°. Principal axes: T Plg25.0000°,Azm279.0000°; N Plg48.0000°,Azm40.0000°; P Plg31.0000° ,Azm172.0000°
IDC Error ellipse: s-maj=38.9km s-min=16.2km az=83.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**16 04 44 27.7–1.4**	**38.19N–.04**	**141.85E–.09**	**44–13**	**3.5b**	**33**	**0-89**
ISCJB	IX	16 04 44 27.8–.75	38.22N–.04	141.73E–.09	60–6	3.5b		**¶601863635**
JMA	IX	16 04 44 28.9–.10	38.23N	141.71E	51–1	3.4		
IDC	IX	16 04 44 29.7–2.6	38.21N	141.60E	60–24	3.6,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=5.3km az=19.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=29.9km s-min=17.7km az=82.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**16 05 25 14.1–1.8**	**36.86N–.04**	**141.31E–.07**	**4–10**	**3.7b**	**31**	**0-69**
NIED	IX	16 05 25 00	36.90N	141.40E	5	3.4W		**¶601863636**
IDC	IX	16 05 25 13.4–1.1	36.86N	141.31E	0	3.7,3.7b		
ISCJB	IX	16 05 25 14.7–1.0	36.84N–.04	141.38E–.06	23–5	3.6b,3.7b		
JMA	IX	16 05 25 15.2–.10	36.85N	141.34E	31–1	3.7,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ43.00000°,λ-116.00000°. NP2:ϕ_s38.00000°,δ53.00000°,λ-68.00000°. $M_0$1.62000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=21.5km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.7km az=15.0.
JMA Felt [I] J1.

(78) Costa Rica

ISC	**IX**	**16 05 51 09.2–.43**	**10.13N–.03**	**85.55W–.03**	**28–2**	**5.2b,4.5s**	**1119**	**0-153**
BJI	IX	16 05 51 06.5	9.42N	84.84W	28	5.4b,5.3s		**¶601717949**
ISCJB	IX	16 05 51 06.8–.21	10.09N–.03	85.38W–.02	28	5.1b,4.4s		
NEIC	IX	16 05 51 09.4–.23	10.17N	85.46W	28	5.2b,5.0		
UCR	IX	16 05 51 09.9–1.6	10.07N	85.58W	19–4	5.2b,4.5L		
GCMT	IX	16 05 51 12.4–.20	9.95N–.01	85.74W–.02	30–0	5.0W,4.5L		
IDC	IX	16 05 51 12.1–.69	10.41N	85.24W	48–5	4.5,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=9.4.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=21.0. Felt [IV] at Santa Cruz. Felt widely in Guanacaste and in the Valle Central.
UCR Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c84; s91,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.13 $M_{\theta\theta}$-2.68±.08; $M_{\phi\phi}$-0.60±.10; $M_{r\theta}$2.02±.12; $M_{\theta\phi}$1.71±.06; $M_{\phi r}$-1.05±.14; Best double couple: NP1:ϕ_s118.00000°,δ62.00000°,λ89.00000°. NP2:ϕ_s301.00000°,δ28.00000°,λ92.00000°. Principal axes: T 3.9620,Plg73.0000° ,Azm25.0000°; N 0.3560,Plg1.0000°,Azm119.0000°; P -4.3240,Plg17.0000°,Azm209.0000° $M_0$4.14300×10^{16}
IDC Error ellipse: s-maj=18.4km s-min=10.0km az=49.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**16 07 43 23.6–2.2**	**37.07N–.04**	**141.32E–.07**	**11–13**	**3.5b**	**27**	**0-57**
NIED	IX	16 07 43 00	37.00N	141.30E	11	3.5W		**¶606031449**
ISCJB	IX	16 07 43 22.7–1.1	37.04N–.03	141.42E–.05	12–6	3.5b		
IDC	IX	16 07 43 22.2–1.3	37.00N	141.43E	0	3.6,3.5		
JMA	IX	16 07 43 25.0–.10	37.03N	141.26E	29–1	3.8,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ55.00000°,λ-141.00000°. NP2:ϕ_s71.00000°,δ59.00000°,λ-42.00000°. $M_0$1.68000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=20.2.

IDC Error ellipse: s-maj=28.3km s-min=19.1km az=111.0.

JMA Felt [I] J1.

(201) Irian Jaya

ISC	**IX**	**16 12 50 45.6–.29**	**2.73S–.05**	**138.79E–.04**	**37**	**5.0b**	**221**	**1-152**
BJI	IX	16 12 50 41.5	3.04S	139.27E	58	5.3b,5.0s		**¶601717981**
ISCJB	IX	16 12 50 43.5–.18	2.71S–.03	138.81E–.03	37	4.9b,5.0s		
IDC	IX	16 12 50 46.7–2.0	2.77S	138.77E	53–18	4.7,4.5L		
NEIC	IX	16 12 50 47.9–.54	2.74S	138.73E	66–5	4.9b,4.5L		
DJA	IX	16 12 50 48.6–.20	3S–4.0	139E–2.0	66–3	5.4,5.3b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [III] at Sarmi.

(228) Near east coast of eastern Honshu

ISC	**IX**	**16 16 12 19.2–2.1**	**39.13N–.04**	**142.49E–.08**	**1–12**	**3.7b**	**30**	**1-63**
NIED	IX	16 16 12 00	39.10N	142.40E	26	3.5W		**¶601863663**
JMA	IX	16 16 12 22.9–.10	39.11N	142.38E	33–1	3.9		
IDC	IX	16 16 12 24.9–2.8	39.13N	142.59E	55–24	3.6,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s293.00000°,δ28.00000°,λ-147.00000°. NP2:ϕ_s173.00000°,δ75.00000°,λ-66.00000°. $M_0$1.86000×10^{14}

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=30.4km s-min=12.7km az=107.0.

(36) Northern California

ISC	**IX**	**16 18 53 03.5–.79**	**38.79N–.02**	**122.73W–.03**	**10**		**71**	**0-18**
IASPE	IX	16 18 53 02.3–1.1	38.79N–.03	122.75W–.03	9–9			**¶601863619**
ISCJB	IX	16 18 53 02.6–.28	38.76N–.02	122.78W–.03	10			
NEIC	IX	16 18 53 02.6–.00	38.79N	122.77W	3	3.4W		
IDC	IX	16 18 53 09.8–3.3	38.90N	122.21W	0	3.3,3.2		

ISC Event type fe.

IASPE Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=57.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=143.8.

NEIC Event type fe. Felt [III] at Middletown. Also felt at Albany, Cloverdale and El Dorado Hills. After NCEDC. Moment Tensor Solution. $M_0$1.70000×10^{14}

IDC Error ellipse: s-maj=42.5km s-min=10.3km az=52.0.

(7) Andreanof Islands

ISC	**IX**	**16 20 49 13.9–.59**	**51.58N–.09**	**176.60W–.04**	**47**	**4.0b**	**50**	**0-152**
IDC	IX	16 20 49 07.1–.65	51.55N	176.71W	0	5.0L,4.2		**¶601863675**
ISCJB	IX	16 20 49 12.6–.49	51.41N–.06	176.53W–.04	47	4.0b,3.0s		
NEIC	IX	16 20 49 13.2–.00	51.43N	176.54W	34	4.0L,3.0s		

ISC Event type fe.

IDC Error ellipse: s-maj=25.0km s-min=14.8km az=164.0.

ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=3.5km az=169.3.

NEIC Event type fe. Felt on Adak. After AEIC.

(256) Leyte

ISC	**IX**	**17 06 58 08.0–1.3**	**10.37N–.02**	**125.20E–.04**	**5–8**	**4.2b,3.8s**	**88**	**0-147**
IDC	IX	17 06 58 07.1–.59	10.31N	125.16E	0	4.2,4.0		**¶601740162**
MAN	IX	17 06 58 08.1	10.37N	125.18E	3	4.9b,4.3s		
NEIC	IX	17 06 58 12.4–.39	10.37N	125.25E	35	4.4b,4.3s		

ISC Event type fe.

IDC Error ellipse: s-maj=28.3km s-min=13.2km az=71.0.

NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=6.5km az=73.0. Felt [V PIVS] at Hinunangan and Hinundayan; [IV PIVS] at Silago; [III PIVS] at San Juan and Sogod.

(248) Philippine Islands region

ISC	**IX**	**17 07 16 30.9–.59**	**10.41N–.03**	**125.25E–.05**	**10**	**3.9b**	**39**	**0-147**
IDC	IX	17 07 16 27.9–1.0	11.01N	126.80E	0	5.2L,3.9		**¶601731824**
ISCJB	IX	17 07 16 30.1–.47	10.30N–.03	125.30E–.05	10	4.0b,3.4s		
MAN	IX	17 07 16 31.0	10.41N	125.18E	1	5.4b,4.6s		
NEIC	IX	17 07 16 32.8–.61	10.92N	126.58E	35	4.5b,4.6s		

ISC Event type fe.

IDC Error ellipse: s-maj=70.5km s-min=15.6km az=71.0.

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.5km az=174.1.

NEIC Event type fe. Error ellipse: s-maj=21.8km s-min=8.3km az=77.0. Felt [IV PIVS] at Hinunangan and [III PIVS] at Hinundayan, Leyte.

(248) Philippine Islands region

ISC	**IX**	**17 07 28 48.1–1.3**	**10.37N–.03**	**125.15E–.04**	**6–9**	**4.0b,3.2s**	**45**	**0-92**
IDC	IX	17 07 28 44.6–1.2	10.94N	126.28E	0	5.0L,4.0		**¶601863683**
ISCJB	IX	17 07 28 48.3–.75	10.40N–.03	125.21E–.04	5–5	4.0b,3.1s		
MAN	IX	17 07 28 48.9	10.36N	125.07E	1	5.2b,4.4s		
NEIC	IX	17 07 28 49.9–.71	10.90N	126.48E	35	4.2b,4.4s		

ISC Event type fe.

IDC Error ellipse: s-maj=52.0km s-min=15.7km az=70.0.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.9km az=159.4.

NEIC Event type fe. Error ellipse: s-maj=27.9km s-min=11.5km az=73.0. Felt [IV PIVS] at Hinunangan, Leyte.

(228) Near east coast of eastern Honshu

ISC	**IX**	**17 08 22 30.6–1.5**	**39.05N–.04**	**142.36E–.07**	**18–6**	**3.9b,3.2s**	**35**	**1-73**
NIED	IX	17 08 22 00	39.10N	142.20E	50	4.0W,3.2s		**¶601863701**
JMA	IX	17 08 22 33.7–.10	39.10N	142.21E	43–1	3.9,3.2s		
IDC	IX	17 08 22 38.9–3.0	39.03N	142.09E	92–26	3.9,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ25.00000°,λ56.00000°. NP2:ϕ_s22.00000°,δ70.00000°,λ104.00000°. $M_0$1.13000×10^{15}

JMA Felt [II] J1.

IDC Error ellipse: s-maj=26.3km s-min=15.7km az=87.0.

(224) Hokkaido region

ISC	**IX**	**17 13 37 09.1–.95**	**41.13N–.04**	**142.35E–.06**	**67–9**	**3.7b**	**44**	**1-65**
NIED	IX	17 13 37 00	41.10N	142.40E	53	3.7W		**¶601863710**
ISCJB	IX	17 13 37 08.0–.43	41.14N–.03	142.38E–.05	74–5	3.6b		
IDC	IX	17 13 37 08.9–1.8	41.11N	142.39E	66–18	3.9,3.7		
JMA	IX	17 13 37 09.0–.10	41.16N	142.38E	65–3	4.0,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ59.00000°,λ-9.00000°. NP2:ϕ_s42.00000°,δ82.00000°,λ-148.00000°. $M_0$3.86000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=31.2.

IDC Error ellipse: s-maj=24.3km s-min=12.6km az=98.0.

JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**17 19 09 30.3–.44**	**39.82N–.03**	**142.32E–.03**	**41–3**	**5.0b,4.6s**	**678**	**0-149**
NIED	IX	17 19 09 00	39.80N	142.30E	47	5.1W,4.6s		**¶601723812**
BJI	IX	17 19 09 29.1	39.70N	142.17E	49	5.2b,5.0b		
MOS	IX	17 19 09 30.8–.94	39.95N	142.13E	48	5.4b,4.6s		
JMA	IX	17 19 09 31.1	39.82N	142.26E	43–1	5.0,4.6s		
ISCJB	IX	17 19 09 31.2–.26	39.85N–.02	142.14E–.02	54–2	5.0b,4.5s		
GCMT	IX	17 19 09 32.7–.20	39.88N–.01	142.25E–.02	47–1	5.1W,4.5s		
IDC	IX	17 19 09 32.8–1.5	39.81N	142.15E	58–13	4.7,4.5		
NEIC	IX	17 19 09 33.7–.49	39.83N	142.05E	62–4	5.0b,4.5		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ20.00000°,λ78.00000°. NP2:ϕ_s20.00000°,δ70.00000°,λ94.00000°. $M_0$5.15000×10^{16}

MOS Error ellipse: s-maj=6.3km s-min=4.1km az=102.6.

JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ64.00000°,λ91.00000°. NP2:ϕ_s192.00000°,δ26.00000°,λ88.00000°. Principal axes: T Plg71.0000°,Azm287.0000°; N Plg1.0000°,Azm194.0000°; P Plg19.0000° ,Azm104.0000°

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=147.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c123; s98,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.51±.15 $M_{\theta\theta}$-0.20±.11; $M_{\phi\phi}$-4.31±.11; $M_{r\theta}$1.98±.10; $M_{\theta\phi}$-1.20±.08; $M_{\phi r}$3.72±.11; Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ97.00000°. NP2:ϕ_s186.00000°,δ25.00000°,λ74.00000°. Principal axes: T 6.2110,Plg68.0000° ,Azm307.0000°; N 0.0140,Plg7.0000°,Azm201.0000°; P -6.2270,Plg21.0000°,Azm108.0000° $M_0$6.21900×10^{16}

IDC Error ellipse: s-maj=12.6km s-min=10.4km az=101.0.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=147.0. Felt at Hachinohe and Misawa. Recorded [3 JMA] in Aomori. Also recorded [1 JMA] in south-central Hokkaido.

(456) Montana

ISC	**IX**	**17 23 26 06.1–.89**	**45.94N–.04**	**106.84W–.05**	**0**		**17**	**1-9**
ISCJB	IX	17 23 26 07.2–.57	45.89N–.04	106.90W–.06	0			**¶601863732**
NEIC	IX	17 23 26 07.6–.78	45.89N	106.91W	0	2.7		
IDC	IX	17 23 26 07.1–1.3	45.34N	106.42W	0	3.3,3.1		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=6.6km s-min=4.9km az=35.8.

NEIC Event type sm. Error ellipse: s-maj=13.9km s-min=9.2km az=129.0. 18 km [11 miles] WNW of Colstrip. Suspected Mining explosion.

IDC Error ellipse: s-maj=69.1km s-min=8.9km az=136.0.

(13) Kodiak Island region

ISC	**IX**	**18 01 44 49.7–.23**	**57.02N–.03**	**154.28W–.02**	**37–0**	**5.4b,4.6s**	**2037**	**0-166**
GCMT	IX	18 01 44 48.4–.20	56.85N–.02	154.39W–.02	30–0	5.2W,4.6s		**¶601725184**
ISCJB	IX	18 01 44 48.5–.22	57.13N–.01	154.25W–.02	35–1	5.4b,4.7s		
BJI	IX	18 01 44 48.0	57.10N	154.30W	53	5.5b,5.3b		
MOS	IX	18 01 44 48.0–.82	57.14N	154.45W	35	5.6b,4.7s		
NEIC	IX	18 01 44 50.4–.00	56.94N	154.14W	39	5.5b,5.1L		
IDC	IX	18 01 44 50.0–.37	57.08N	154.47W	37–2	5.2,5.1		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c116; s108,c186;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.20 $M_{\theta\theta}$-2.82±.16; $M_{\phi\phi}$6.18±.14; $M_{r\theta}$3.83±.28; $M_{\theta\phi}$2.56±.11; $M_{\phi r}$4.40±.22; Best double couple: NP1:ϕ_s223.00000°,δ74.00000°,λ-60.00000°. NP2:ϕ_s338.00000°,δ33.00000°,λ-151.00000°. Principal axes: T 9.1420,Plg24.0000° ,Azm290.0000°; N -2.0060,Plg29.0000°,Azm34.0000°; P -7.1460,Plg51.0000° ,Azm167.0000° $M_0$8.14400×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=19.2.

MOS Error ellipse: s-maj=6.8km s-min=4.6km az=91.1.

NEIC Event type fe. Felt [II] at Kodiak. After AEIC. Moment Tensor Solution. s31 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40 $M_{\theta\theta}$-4.23 $M_{\phi\phi}$4.62 $M_{r\theta}$-1.86 $M_{\theta\phi}$0.98 $M_{\phi r}$1.86 Best double couple: NP1:ϕ_s50.00000°,δ60.00000°,λ-5.00000°. NP2:ϕ_s142.00000°,δ86.00000°,λ-150.00000°. Principal axes: T 5.2500,Plg18.0000°,Azm272.0000°; N 0.0000,Plg60.0000°,Azm150.0000° ; P -5.2500,Plg24.0000°,Azm10.0000° $M_0$5.30000×10^{16}

IDC Error ellipse: s-maj=11.7km s-min=7.0km az=6.0.

(228) Near east coast of eastern Honshu

JMA	**IX**	**18 03 23 13.5**	**40.21N**	**142.33E**	**38–1**	**4.0**		
NIED	IX	18 03 23 00	40.20N	142.30E	38	3.7W		**¶603676565**

JMA Felt [I] J1.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ32.00000°,λ145.00000°. NP2:ϕ_s21.00000°,δ72.00000°,λ63.00000°. $M_0$3.61000×10^{14}

(273) Southwest of Sumatera

ISC	**IX**	**18 03 23 44.2–1.1**	**6.42S–.04**	**103.61E–.04**	**31–7**	**5.3b,4.3s**	**901**	**1-156**
IDC	IX	18 03 23 39.9–.42	6.23S	103.71E	0	5.0,5.0b		**¶601721804**
BJI	IX	18 03 23 40.7	6.20S	103.80E	10	5.4b,5.1b		
ISCJB	IX	18 03 23 42.8–.17	6.39S–.02	103.59E–.02	33	5.2b,4.2s		
DJA	IX	18 03 23 45.2–.20	6S–2.0	104E–2.0	49–2	5.5b,5.3		
NEIC	IX	18 03 23 45.8–.16	6.17S	103.74E	35	5.2b,5.3		
GCMT	IX	18 03 23 45.8–.40	6.53S–.03	103.44E–.03	35–0	5.0W,5.3		
MOS	IX	18 03 23 45.8–1.2	5.96S	103.77E	43	5.6b,5.3		

ISC Event type fe.

IDC Error ellipse: s-maj=14.1km s-min=10.2km az=52.0.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=30.0.

NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=220.0. Felt [III] at Kotaagung and Liwa.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c41; s51,c68;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.23 $M_{\theta\theta}$-2.04±.13; $M_{\phi\phi}$-1.38±.15; $M_{r\theta}$1.02±.12; $M_{\theta\phi}$1.48±.07; $M_{\phi r}$-1.24±.16; Best double couple: NP1:ϕ_s134.00000°,δ58.00000°,λ95.00000°. NP2:ϕ_s304.00000°,δ33.00000°,λ82.00000°. Principal axes: T 3.8080,Plg77.0000° ,Azm59.0000°; N -0.2180,Plg4.0000°,Azm311.0000°; P -3.5800,Plg13.0000°,Azm220.0000° $M_0$3.69400×10^{16}

MOS Error ellipse: s-maj=9.0km s-min=4.8km az=116.1.

(228) Near east coast of eastern Honshu

ISC	**IX**	**18 07 47 30.2–1.6**	**37.72N–.05**	**141.90E–.10**	**43–15**	**3.9b**	**43**	**1-146**
NIED	IX	18 07 47 00	37.70N	141.80E	53	4.1W		**¶601863750**
ISCJB	IX	18 07 47 29.4–.93	37.71N–.04	141.87E–.10	54–7	3.9b,3.1s		
JMA	IX	18 07 47 30.3	37.75N	141.79E	52–1	4.0,3.1s		
IDC	IX	18 07 47 30.9–2.0	37.77N	141.74E	46–19	3.9,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ33.00000°,λ73.00000°. NP2:ϕ_s44.00000°,δ58.00000°,λ101.00000°. $M_0$1.47000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=5.7km az=15.7.

JMA Felt [I] J1.

IDC Error ellipse: s-maj=18.1km s-min=14.7km az=99.0.

(228) Near east coast of eastern Honshu

JMA	**IX**	**18 08 13 32.6–.10**	**36.54N**	**141.06E**	**53–1**	**3.5**		
								¶606032237

JMA Felt [I] J1.

(188) Loyalty Islands

ISC	**IX**	**18 10 15 27.6–.43**	**20.98S–.07**	**168.51E–.08**	**40–3**	**4.9b**	**134**	**2-165**
IDC	IX	18 10 15 27.8–.44	20.96S	168.51E	41–2	4.4,4.4		**¶601722617**
GCMT	IX	18 10 15 29.2–.50	20.80S–.04	168.38E–.03	27–1	4.9W,4.4		
BJI	IX	18 10 15 35.1	21.20S	166.96E	41	5.0b,4.7b		
NEIC	IX	18 10 15 39.2–1.5	20.98S	167.41E	68–13	4.9b,4.7b		

ISC Event type fe.

IDC Error ellipse: s-maj=14.6km s-min=7.4km az=139.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c43; s61,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.24 $M_{\theta\theta}$0.29±.18; $M_{\phi\phi}$2.48±.17; $M_{r\theta}$0.49±.33; $M_{\theta\phi}$-1.47±.12; $M_{\phi r}$1.12±.27; Best double couple: NP1:ϕ_s171.00000°,δ55.00000°,λ-68.00000°. NP2:ϕ_s315.00000°,δ41.00000°,λ-119.00000°. Principal axes: T 3.3230,Plg8.0000° ,Azm245.0000°; N -0.1370,Plg18.0000°,Azm338.0000°; P -3.1950,Plg70.0000° ,Azm134.0000° $M_0$3.25900×10^{16}

NEIC Event type fe. Error ellipse: s-maj=14.7km s-min=8.9km az=161.0. Felt at Noumea, New Caledonia.

(228) Near east coast of eastern Honshu

JMA	**IX**	**18 10 34 09.8–.10**	**37.51N**	**141.49E**	**48–1**	**3.5**		
								¶606032290

JMA Felt [I] J1.

(228) Near east coast of eastern Honshu

ISC	**IX**	**18 19 11 02.1–.97**	**35.79N–.04**	**140.42E–.04**	**26–7**	**3.5b**	**28**	**0-148**
IDC	IX	18 19 10 58.4–.76	35.76N	140.56E	0	3.8,3.6		**¶601863772**
NIED	IX	18 19 11 00	35.90N	140.60E	47	3.9W,3.6		
ISCJB	IX	18 19 11 02.0–.45	35.83N–.04	140.56E–.05	36–5	3.5b,3.3s		
JMA	IX	18 19 11 02.2–.10	35.85N	140.54E	35–1	3.6,3.3s		

ISC Event type ke.

IDC Error ellipse: s-maj=20.3km s-min=17.8km az=87.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s275.00000°,δ39.00000°,λ-142.00000°. NP2:ϕ_s154.00000°,δ67.00000°,λ-57.00000°. $M_0$7.46000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.5km az=142.1.

JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s346.00000°,δ80.00000°,λ68.00000°. NP2:ϕ_s233.00000°,δ24.00000°,λ155.00000°. Principal axes: T Plg50.0000°,Azm232.0000°; N Plg21.0000°,Azm350.0000°; P Plg32.0000° ,Azm94.0000°

(14) Kenai Peninsula

NEIC	**IX**	**19 02 07 14.2–.00**	**59.45N**	**151.91W**	**64**	**3.5L**		
								¶601863792

NEIC Event type fe. Felt at Homer. After AEIC.

(73) El Salvador

ISC	**IX**	**19 04 27 01.0–.75**	**13.03N–.06**	**88.75W–.04**	**70–6**	**4.1b**	**96**	**0-138**
ISCJB	IX	19 04 26 59.5–.49	12.95N–.05	88.81W–.04	70–3	4.0b		**¶601734519**
UCR	IX	19 04 27 00.2–1.2	12.92N	88.86W	46–18	4.2L,4.1b		
IDC	IX	19 04 27 00.1–2.8	13.04N	88.68W	66–24	3.9,3.9		
NEIC	IX	19 04 27 02.9–.64	13.05N	88.62W	82–7	4.3,4.1b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=2.9km az=31.8.

UCR Error ellipse: s-maj=5.8km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=38.5km s-min=17.3km az=36.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.3km az=214.0. Felt [II] at San Salvador.

(228) Near east coast of eastern Honshu

ISC	**IX**	**19 04 47 03.9–.83**	**34.66N–.04**	**140.15E–.05**	**60–7**	**3.9b**	**35**	**0-80**
NIED	IX	19 04 47 00	34.60N	140.20E	53	3.9W		**¶601863807**
ISCJB	IX	19 04 47 02.9–.44	34.65N–.04	140.14E–.05	68–4	3.9b		
JMA	IX	19 04 47 03.7–.20	34.64N	140.15E	57–2	3.7		
IDC	IX	19 04 47 05.0–1.3	34.60N	139.94E	70–10	3.9,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ16.00000°,λ-8.00000°. NP2:ϕ_s132.00000°,δ88.00000°,λ-106.00000°. $M_0$7.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=151.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s125.00000°,δ87.00000°,λ-90.00000°. NP2: ϕ_s314.00000°,δ3.00000°,λ-81.00000°. Principal axes: T Plg42.0000°,Azm215.0000° ; N Plg0.0000°,Azm125.0000°; P Plg48.0000°,Azm34.0000°
IDC Error ellipse: s-maj=27.5km s-min=5.8km az=74.0.

(366) Turkey

ISC	**IX**	**19 09 17 48.4–.55**	**37.30N–.02**	**37.10E–.02**	**10–3**	**4.9b,4.2s**	**733**	**0-149**
HLW	IX	19 09 17 41.5	37.09N	38.56E	10–40	4.9L,4.8		**¶601832999**
ISCJB	IX	19 09 17 47.0–.37	37.29N–.01	37.12E–.01	12–2	4.8b,4.2s		
NEIC	IX	19 09 17 46.8–.00	37.31N	37.10E	7	5.1L,5.0L		
MOS	IX	19 09 17 46.3–1.2	37.29N	37.11E	9	5.0b,4.2s		
ISK	IX	19 09 17 46.6	37.32N	37.12E	8–0	5.1L,4.2s		
IDC	IX	19 09 17 46.3–.48	37.29N	37.10E	0	4.5,4.4		
DDA	IX	19 09 17 46.2	37.28N	37.14E	22	5.1L,4.4		
PDG	IX	19 09 17 47.2–.49	37.31N	37.15E	11–1	5.0L,4.4		
GCMT	IX	19 09 17 47.8–.30	37.28N–.02	37.12E–.02	21–1	5.0W,4.4		
GII	IX	19 09 17 49.0–.00	37.28N	37.14E	21	5.0W,4.4		
DSN	IX	19 09 17 53.1–.22	37.30N	37.81E	10	4.9b,4.4		
NIC	IX	19 09 17 57.5–.30	36.18N	36.94E	12	4.7b,4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=172.0.
NEIC Event type fe. Felt at Gaziantep and Osmaniye. After ISK.
MOS Error ellipse: s-maj=4.3km s-min=2.6km az=121.4.
ISK Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=8.9km az=174.0.
DDA Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.2km az=0.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c58; s107,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.16 $M_{\theta\theta}$-2.74±.12; $M_{\phi\phi}$3.43±.14; $M_{r\theta}$2.88±.37; $M_{\theta\phi}$-1.16±.11; $M_{\phi r}$-1.13±.24; Best double couple: NP1:ϕ_s307.00000°,δ82.00000° ,λ-138.00000°. NP2:ϕ_s210.00000°,δ48.00000°,λ-11.00000°. Principal axes: T 4.2980,Plg22.0000°,Azm71.0000°; N 0.4870,Plg47.0000°,Azm316.0000° ; P -4.7830,Plg35.0000°,Azm177.0000° $M_0$4.54000×10^{16}
GII Event type ke.
DSN Error ellipse: s-maj=3.8km s-min=2.9km az=78.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**19 14 30 01.2–1.3**	**38.48N–.05**	**141.88E–.09**	**49–11**	**3.6b**	**32**	**0-62**
ISCJB	IX	19 14 30 00.5–.77	38.51N–.04	141.84E–.09	57–6	3.5b		**¶601863832**
NIED	IX	19 14 30 00	38.60N	141.70E	59	3.7W		
JMA	IX	19 14 30 02.1–.10	38.54N	141.72E	54–1	3.7		
IDC	IX	19 14 30 03.0–2.1	38.53N	141.91E	74–19	3.6,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=5.0km az=18.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ35.00000°,λ56.00000°. NP2:ϕ_s7.00000°,δ62.00000°,λ111.00000°. $M_0$3.80000×10^{14}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=30.4km s-min=14.1km az=95.0.

(460) Wyoming

ISC	**IX**	**19 18 09 59.7–.70**	**43.83N–.04**	**105.30W–.04**	**0**	**4.1b**	**42**	**1-90**
IDC	IX	19 18 09 57.7–1.9	43.60N	105.28W	0	4.1b,3.9		**¶601863840**
ISCJB	IX	19 18 09 58.1–.38	43.82N–.03	105.26W–.05	0	4.1b,3.9		
NEIC	IX	19 18 09 59.2–.42	43.82N	105.24W	0	3.4L,3.9		

ISC Event type sm.
IDC Error ellipse: s-maj=51.8km s-min=8.7km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=4.4km az=37.8.
NEIC Event type sm. Error ellipse: s-maj=7.1km s-min=6.1km az=140.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

JMA	**IX**	**20 00 08 45.4–.10**	**37.44N**	**141.62E**	**45–2**	**3.6**		
NIED	IX	20 00 08 00	37.40N	141.70E	35	3.5W		**¶603677478**

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ13.00000°,λ85.00000°. NP2:ϕ_s31.00000°,δ77.00000°,λ91.00000°. $M_0$2.29000×10^{14}

(73) El Salvador

ISC	**IX**	**20 01 51 13.8–.58**	**13.31N–.05**	**89.85W–.05**	**63–4**	**4.2b**	**154**	**1-147**
ISCJB	IX	20 01 51 13.3–.39	13.28N–.03	89.88W–.03	76–3	4.2b		**¶601734523**
UCR	IX	20 01 51 13.7–1.4	13.24N	89.92W	30–3	4.6,4.4L		
IDC	IX	20 01 51 13.7–.86	13.55N	89.25W	58–6	4.0,4.0		
NEIC	IX	20 01 51 14.7–.72	13.27N	89.86W	72–6	4.6,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.1km az=41.2.
UCR Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=28.2km s-min=8.7km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=5.5km az=213.0. Felt [III] at San Salvador. Also felt at Acajutla, San Cristobal and Santo Tomas.

(228) Near east coast of eastern Honshu

ISC	**IX**	**20 03 24 19.6–1.5**	**37.05N–.04**	**141.41E–.07**	**31–10**	**3.3b**	**31**	**0-57**
NIED	IX	20 03 24 00	37.00N	141.30E	44	3.6W		**¶601863862**
IDC	IX	20 03 24 13.7–2.5	37.22N	141.77E	0	3.7L,3.6		
ISCJB	IX	20 03 24 20.1–.83	37.02N–.03	141.35E–.08	48–7	3.4b,3.6		
JMA	IX	20 03 24 22.1–.10	37.08N	141.18E	50–1	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ19.00000°,λ115.00000°. NP2:ϕ_s22.00000°,δ73.00000°,λ82.00000°. $M_0$2.99000×10^{14}
IDC Error ellipse: s-maj=57.1km s-min=25.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.3km az=15.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(224) Hokkaido region

ISC	**IX**	**20 03 32 26.9–.66**	**42.17N–.05**	**143.00E–.04**	**63–6**	**4.0b**	**57**	**0-79**
NIED	IX	20 03 32 00	42.30N	143.00E	56	3.9W		**¶601863863**
ISCJB	IX	20 03 32 26.3–.40	42.23N–.05	142.98E–.04	69–3	3.8b		
MOS	IX	20 03 32 27.0–.94	42.24N	142.95E	79	4.3b		
IDC	IX	20 03 32 27.9–1.9	42.26N	143.02E	70–16	3.9,3.7		
JMA	IX	20 03 32 28.2–.10	42.33N	142.98E	55–1	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ27.00000°,λ103.00000°. NP2:ϕ_s28.00000°,δ64.00000°,λ83.00000°. $M_0$7.98000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.2km az=152.9.
MOS Error ellipse: s-maj=13.1km s-min=7.7km az=68.2.
IDC Error ellipse: s-maj=21.0km s-min=15.1km az=107.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s49.00000°,δ56.00000°,λ105.00000°. NP2: ϕ_s203.00000°,δ37.00000°,λ69.00000°. Principal axes: T Plg74.0000°,Azm1.0000° ; N Plg13.0000°,Azm220.0000°; P Plg10.0000°,Azm128.0000°

(116) Central Peru

ISC	**IX**	**20 06 08 04.9–.38**	**13.97S–.05**	**72.76W–.06**	**72–3**	**4.9b**	**625**	**4-171**
BJI	IX	20 06 08 03.5	13.90S	72.50W	47	5.3s,5.2b		**¶601731990**
ISCJB	IX	20 06 08 04.4–.20	13.80S–.03	72.45W–.05	87	4.8b,5.2b		
IDC	IX	20 06 08 05.6–1.7	13.92S	72.91W	75–15	4.6,4.4		
NEIC	IX	20 06 08 06.6–.16	13.91S	72.58W	87	4.9b,4.6L		
GCMT	IX	20 06 08 07.6–.40	14.06S–.02	72.85W–.03	88–4	4.9W,4.6L		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Abancay. Also felt at Cusco.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c23; s58,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.41±.13 $M_{\theta\theta}$0.41±.14; $M_{\phi\phi}$1.99±.16; $M_{r\theta}$0.75±.09; $M_{\theta\phi}$-2.08±.12; $M_{\phi r}$0.33±.13; Best double couple: NP1:ϕ_s303.00000°,δ51.00000°,λ-122.00000° NP2:ϕ_s168.00000°,δ49.00000°,λ-56.00000°. Principal axes: T 3.4300,Plg2.0000° ,Azm55.0000°; N -0.6540,Plg25.0000°,Azm324.0000°; P -2.7820,Plg65.0000° ,Azm149.0000° $M_0$3.10600×10^{16}

(71) Near coast of Guatemala

ISC	**IX**	**20 09 29 51.4–1.1**	**13.96N–.08**	**91.02W–.08**	**81–10**	**4.1b**	**95**	**1-146**
ISCJB	IX	20 09 29 49.9–.60	13.90N–.05	91.09W–.04	79–5	4.0b		**¶601735807**
UCR	IX	20 09 29 50.4–1.5	13.65N	91.00W	12–13	4.1L,4.1b		
NEIC	IX	20 09 29 51.7–.65	13.99N	91.01W	73–7	4.2,4.1b		
IDC	IX	20 09 29 51.6–1.9	14.07N	90.85W	79–15	4.0,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.4km az=36.0.
UCR Error ellipse: s-maj=17.6km s-min=12.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.8km az=215.0. Felt [I] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=32.2km s-min=14.4km az=46.0.

(135) Near coast of central Chile

ISC	**IX**	**20 10 07 03.9–1.3**	**34.18S–.03**	**72.26W–.05**	**11–8**	**4.6b,4.3s**	**166**	**1-173**
ISCJB	IX	20 10 07 05.0–1.1	34.24S–.03	72.26W–.05	25–8	4.5b,4.2s		**¶601732966**
BJI	IX	20 10 07 05.6	34.30S	72.20W	20	5.2b,5.1s		
NEIC	IX	20 10 07 07.0–.00	34.44S	71.95W	60	4.6L,4.5b		
GUC	IX	20 10 07 07.7–.59	34.44S	71.95W	60–11	4.6L,4.5b		
IDC	IX	20 10 07 08.7–3.1	34.20S	72.06W	45–27	4.4,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=24.3.
NEIC Event type fe. Felt [II] at El Quisco, Navidad and San Antonio. Also felt at Santiago. After GUC.
GUC Error ellipse: s-maj=3.7km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=15.4km az=97.0.

(60) Oaxaca

ISC	**IX**	**20 16 58 44.4–.64**	**17.65N–.04**	**94.99W–.03**	**128–6**	**4.2b**	**283**	**1-133**
ISCJB	IX	20 16 58 42.9–.25	17.67N–.04	94.86W–.03	134–3	4.3b		**¶601846441**
IDC	IX	20 16 58 44.2–.53	17.68N	94.81W	119–13	4.1,3.9		
NEIC	IX	20 16 58 45.4–.00	17.62N	95.01W	137	4.3,4.3b		
MEX	IX	20 16 58 45.5–.57	17.61N	95.01W	135–5	4.2,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=10.6.
IDC Error ellipse: s-maj=35.9km s-min=13.6km az=31.0.
NEIC Event type fe. Felt at Sayula. After MEX.
MEX Error ellipse: s-maj=3.6km s-min=1.7km az=-1.0.

(229) Off east coast of Honshu

ISC	**IX**	**20 18 32 09.8–.68**	**39.62N–.04**	**143.40E–.05**	**28–4**	**4.7b,4.6s**	**279**	**1-144**
NIED	IX	20 18 32 00	39.60N	143.60E	23	4.8W,4.6s		**¶601734537**
IDC	IX	20 18 32 06.0–.53	39.58N	143.29E	0	4.5,4.5		
JMA	IX	20 18 32 06.2–.20	39.64N	143.64E	30	4.9,4.5		
BJI	IX	20 18 32 07.7	39.63N	143.18E	19	5.1b,4.8b		
ISCJB	IX	20 18 32 07.6–.90	39.70N–.03	143.35E–.04	17–6	4.7b,4.5s		
MOS	IX	20 18 32 09.1–1.1	39.64N	143.40E	33	5.1b,4.7s		
NEIC	IX	20 18 32 11.5–.89	39.61N	143.34E	38–7	5.1b,4.7s		
GCMT	IX	20 18 32 12.5–.50	39.73N–.03	143.72E–.04	38–1	4.9W,4.7s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ30.00000°,λ74.00000°. NP2:ϕ_s28.00000°,δ61.00000°,λ99.00000°. $M_0$2.06000×10^{16}
JMA Felt [I] J1.
ISCJB Event type fe.
NEIC Event type se. Recorded [1 JMA] in Iwate and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c39; s54,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.16 $M_{\theta\theta}$0.07±.10; $M_{\phi\phi}$-2.11±.11; $M_{r\theta}$0.44±.09; $M_{\theta\phi}$-0.20±.07; $M_{\phi r}$1.23±.07; Best double couple: NP1:ϕ_s13.00000°,δ61.00000°,λ98.00000°. NP2:ϕ_s177.00000°,δ30.00000°,λ76.00000°. Principal axes: T 2.4360,Plg73.0000° ,Azm302.0000°; N 0.0470,Plg7.0000°,Azm189.0000°; P -2.4850,Plg16.0000°,Azm97.0000° $M_0$2.46100×10^{16}

(377) Spain

ISC	**IX**	**20 19 05 16.2–.71**	**37.86N–.02**	**3.30W–.02**	**10**		**161**	**0-8**
CNRM	IX	20 19 05 12.8	37.40N	3.14W	10	3.6L		**¶601734985**
ISCJB	IX	20 19 05 14.8–.25	37.93N–.02	3.47W–.02	10	3.6L		
MDD	IX	20 19 05 17.8–.19	37.83N	3.31W	20–2	2.8		
SFS	IX	20 19 05 17.0	37.82N	3.29W		2.9L		
IGIL	IX	20 19 05 17.3	37.83N	3.30W	20	2.2L		
LDG	IX	20 19 05 17.2–.08	37.83N	3.33W	10	2.6L		
INMG	IX	20 19 05 17.9–1.9	37.82N	3.30W	23–3	2.8L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=3.4.
MDD Error ellipse: s-maj=3.0km s-min=2.3km az=147.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS JODAR(JAEN).
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=5.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=17.0.

(460) Wyoming

ISC	**IX**	**20 20 01 51.1–.70**	**43.77N–.04**	**105.29W–.04**	**0**		**37**	**1-90**
ISCJB	IX	20 20 01 50.5–.40	43.76N–.03	105.26W–.04	0	4.0b,3.0s		**¶601863908**
IDC	IX	20 20 01 50.5–1.9	43.67N	105.37W	0	3.9b,3.8		
NEIC	IX	20 20 01 51.3–.56	43.79N	105.24W	0	3.4L,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.9km az=41.0.
IDC Error ellipse: s-maj=55.2km s-min=9.1km az=150.0.
NEIC Event type sm. Error ellipse: s-maj=9.3km s-min=7.2km az=143.0. 60 km [37 miles] SSE of Gillette. Suspected Mining explosion.

(274) Southern Sumatera

ISC	**IX**	**20 20 47 44.7–.31**	**0.02S–.04**	**98.79E–.04**	**48**	**5.0b,4.3s**	**310**	**1-171**
BJI	IX	20 20 47 40.7	0.10S	98.70E	30	5.2b,5.1b		**¶601735539**
ISCJB	IX	20 20 47 42.9–.17	0.05S–.02	98.69E–.03	48	5.0b,4.3s		
MOS	IX	20 20 47 45.1–1.0	0.07S	98.80E	73	5.3b,4.3s		
NEIC	IX	20 20 47 46.6–.74	0.07S	98.82E	72–6	5.3b,4.3s		
DJA	IX	20 20 47 46.2–.20	0S–2.0	99E–2.0	49–2	5.7,5.5b		
GCMT	IX	20 20 47 46.6–.40	0.07S–.02	98.60E–.02	67–3	5.0W,5.5b		
IDC	IX	20 20 47 47.0–1.3	0.00S	98.83E	74–11	4.8,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.3km az=141.4.
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=60.0. Felt [III] at Airbangis.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s53,c68;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.18 $M_{\theta\theta}$1.33±.14; $M_{\phi\phi}$-1.56±.16; $M_{r\theta}$1.09±.13; $M_{\theta\phi}$-2.94±.12; $M_{\phi r}$-0.35±.16; Best double couple: NP1:ϕ_s76.00000°,δ80.00000°,λ163.00000°. NP2:ϕ_s168.00000°,δ74.00000°,λ10.00000°. Principal axes: T 3.5340,Plg19.0000° ,Azm31.0000°; N -0.1270,Plg71.0000°,Azm226.0000°; P -3.4140,Plg5.0000°,Azm123.0000° $M_0$3.47400×10^{16}
IDC Error ellipse: s-maj=12.7km s-min=7.1km az=62.0.

(259) Mindanao

ISC	**IX**	**20 21 21 05.0–.28**	**6.00N–.03**	**126.45E–.03**	**103–2**	**5.3b**	**1068**	**1-172**
MOS	IX	20 21 21 03.5–.95	6.04N	126.44E	104	5.3b		**¶601735542**
MAN	IX	20 21 21 03.1	5.84N	126.56E	79	5.9b,5.5s		
IDC	IX	20 21 21 03.6–.52	6.05N	126.41E	92–4	5.1,4.9		
BJI	IX	20 21 21 04.6	6.00N	126.40E	106	5.0b,5.0b		
ISCJB	IX	20 21 21 05.5–.24	6.00N–.01	126.43E–.02	122–2	5.2b,5.0b		
GCMT	IX	20 21 21 05.4–.10	5.97N–.01	126.55E–.01	91–1	5.4W,5.0b		
NEIC	IX	20 21 21 05.4–.43	6.00N	126.38E	106–4	5.3b,5.0b		
DJA	IX	20 21 21 06.4–.30	6N–3.0	126E–2.0	102–3	6.0,5.8b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c160; s125,c223;Duration: 1$\frac{1}{2}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.03 $M_{\theta\theta}$0.41±.02; $M_{\phi\phi}$-0.96±.03; $M_{r\theta}$-0.36±.01; $M_{\theta\phi}$-0.75±.02; $M_{\phi r}$1.13±.02; Best double couple: NP1:ϕ_s348.00000°,δ78.00000°,λ54.00000°. NP2:ϕ_s242.00000°,δ38.00000°,λ160.00000°. Principal axes: T 1.5720,Plg45.0000° ,Azm222.0000°; N 0.1160,Plg35.0000°,Azm357.0000°; P -1.6880,Plg24.0000° ,Azm106.0000° $M_0$1.63000×10^{17}
NEIC Event type fe. Felt [IV PIVS] at Cateel, Mati, San Isidro and Sigaboy; [III PIVS] at Davao; [II PIVS] at Compostela, Magugpo, Malita and Manay. Also felt at Polomolok.

(162) South Island

ISC	**IX**	**21 01 35 04.5–1.1**	**43.41S–.03**	**172.89E–.03**	**9–7**	**4.0b,3.5s**	**130**	**0-150**
NEIC	IX	21 01 35 03.0–.00	43.48S	172.81E	12	4.3L,4.0b		**¶601767263**
IDC	IX	21 01 35 03.7–.95	43.22S	172.73E	0	4.1,4.0		
ISCJB	IX	21 01 35 04.2–.36	43.46S–.03	172.95E–.04	23–4	4.0b,3.5s		
WEL	IX	21 01 35 04.1	43S–2.0	172.8E–.80	13–1	4.4L,3.5s		

ISC Event type fe.
NEIC Event type fe. Felt in the Christchurch area. After WEL.
ISCJB Event type fe.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(221) Kuril Islands

ISC	**IX**	**21 02 55 24.3–4.3**	**44.91N–.07**	**149.0E–.20**	**35**		**17**	**1-5**
SKHL	IX	21 02 55 23.5–1.3	44.90N	149.12E	49–9	4.9b		**¶603302274**
MOS	IX	21 02 55 24.0–3.0	44.90N	149.10E	49	4.3b		

ISC Event type ke.
SKHL Felt (II-III) at Kuril'sk.
MOS Error ellipse: s-maj=42.6km s-min=28.5km az=163.7. Felt (II-III) at Kuril'sk. Moment Tensor Solution.

(78) Costa Rica

ISC	**IX**	**21 06 36 59.9–1.1**	**10.16N–.06**	**85.61W–.04**	**23–8**	**4.4b**	**135**	**0-151**
IDC	IX	21 06 36 58.7–.79	11.05N	84.99W	0	4.2,3.9		**¶601735556**
UCR	IX	21 06 37 00.0–1.0	10.12N	85.68W	20–2	3.9,3.9		
NEIC	IX	21 06 37 02.6–.86	10.18N	85.54W	45–6	4.4b,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=32.6km s-min=8.6km az=80.0.
UCR Error ellipse: s-maj=2.1km s-min=2.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=5.5km az=200.0. Felt at Samara, Santa Cruz and Sardinal.

(139) Mendoza Province

ISC	**IX**	**21 09 22 27.0–.49**	**32.95S–.04**	**70.00W–.04**	**113–4**	**4.4b**	**405**	**0-165**
NEIC	IX	21 09 22 26.0–.31	32.95S	69.74W	101–2	4.5,4.4L		**¶601735813**
ISCJB	IX	21 09 22 26.4–.21	32.91S–.03	69.94W–.04	118–1	4.4b,4.4L		
SJA	IX	21 09 22 26.9–.38	32.90S	69.93W	115–4	4.5L,4.3W		
GUC	IX	21 09 22 27.4–.66	33.01S	70.13W	122–3	4.4L,4.3W		
IDC	IX	21 09 22 29.0–.77	32.89S	69.77W	124–6	4.4,4.2		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=92.0. Felt [III] at Mendoza.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=25.7.
SJA Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=19.2km az=91.0.

(229) Off east coast of Honshu

ISC	**IX**	**21 10 08 10.1–1.3**	**38.00N–.04**	**142.08E–.08**	**40–13**	**4.5b**	**56**	**1-146**
NIED	IX	21 10 08 00	38.00N	142.00E	50	4.0W		**¶601782819**
ISCJB	IX	21 10 08 08.7–.67	38.00N–.03	142.10E–.06	46–7	4.5b		
NEIC	IX	21 10 08 10.0–.65	37.99N	142.27E	50–7	4.5b		
JMA	IX	21 10 08 10.5–.10	38.04N	141.94E	50–1	3.8		
IDC	IX	21 10 08 10.6–2.5	37.97N	142.14E	43–25	3.9,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ36.00000°,λ121.00000°. NP2:ϕ_s314.00000°,δ60.00000°,λ70.00000°. $M_0$1.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=15.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.8km az=118.0. Recorded [1 JMA] in Iwate and Miyagi.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=31.7km s-min=16.2km az=105.0.

(124) Chile-Bolivia border region

ISC	**IX**	**21 12 17 26.0–.24**	**19.68S–.03**	**69.19W–.04**	**108–2**	**5.3b**	**1580**	**0-172**
ISCJB	IX	21 12 17 24.2–.11	19.49S–.02	69.06W–.03	106	5.3b		**¶601735816**
GUC	IX	21 12 17 25.8–.62	19.72S	69.34W	101–3	5.5W,5.4L		
IDC	IX	21 12 17 26.3–.39	19.55S	69.02W	107–2	5.1,4.8		
NEIC	IX	21 12 17 26.2–.13	19.57S	68.96W	106	5.4L,5.4b		
MOS	IX	21 12 17 26.7–1.5	19.57S	69.05W	120	5.3b,5.4b		
BJI	IX	21 12 17 27.7	19.60S	69.00W	107	5.3b,5.4b		
GCMT	IX	21 12 17 28.2–.10	19.72S–.01	69.53W–.01	125–0	5.3W,5.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Alto Hospicio, Arica, Iquique, Pisagua and Poconchile and [III] at Codpa, Cuya, Huara, La Tirana and Pica.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c158; s110,c201;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.02 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$0.23±.03; $M_{r\theta}$0.47±.01; $M_{\theta\phi}$-0.06±.02; $M_{\phi r}$-1.24±.02; Best double couple: NP1:ϕ_s339.00000°,δ85.00000°,λ-92.00000°. NP2:ϕ_s184.00000°,δ5.00000°,λ-66.00000°. Principal axes: T 1.3660,Plg40.0000° ,Azm71.0000°; N -0.0390,Plg2.0000°,Azm339.0000°; P -1.3270,Plg50.0000°,Azm247.0000° $M_0$1.34700×10^{17}

(228) Near east coast of eastern Honshu

JMA	**IX**	**21 21 48 52.8–.20**	**35.72N**	**141.00E**	**13–1**	**3.6**		
NIED	IX	21 21 48 00	35.70N	141.10E	8	3.5W		**¶603678559**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ37.00000°,λ-125.00000°. NP2:ϕ_s14.00000°,δ60.00000°,λ-66.00000°. $M_0$1.77000×10^{14}

(337) Eastern Caucasus

ISC	**IX**	**22 02 51 55.6–.75**	**42.88N–.02**	**47.42E–.02**	**13–5**	**3.3b**	**221**	**0-49**
DRS	IX	22 02 51 53.8–.00	42.91N	47.48E	12	3.3b		**¶601792337**
NORS	IX	22 02 51 54.2–.00	42.74N	47.36E	2–0	4.4		
MOS	IX	22 02 51 54.4–.00	42.80N	47.40E	5–0	4.5		
MOS	IX	22 02 51 54.7–1.6	42.90N	47.58E	10	4.3b		
IDC	IX	22 02 51 54.3–.91	42.94N	47.24E	0	3.4,3.4		
AZER	IX	22 02 51 56.2–1.3	43.01N	47.41E	19–28	3.5L,3.4		

ISC Event type ke.
DRS Event type se.
NORS Event type se.
MOS Event type se. FELT I=II-III MSK at Makhachkala.
MOS Error ellipse: s-maj=5.4km s-min=5.0km az=57.4. Felt (II-III) at Makhachkala. Moment Tensor Solution.
IDC Error ellipse: s-maj=17.6km s-min=9.9km az=170.0.
AZER Error ellipse: s-maj=26.6km s-min=6.1km az=179.0.

(35) Near coast of northern California

ISC	**IX**	**22 02 55 24.0–1.2**	**40.47N–.03**	**124.45W–.06**	**31–8**		**102**	**0-7**
NEIC	IX	22 02 55 24.8–.00	40.47N	124.43W	24	3.5W		**¶601736785**

ISC Event type fe.
NEIC Event type fe. Felt [III] at Petrolia and [II] at Eureka. Also felt at Ferndale. After NCEDC. Moment Tensor Solution. $M_0$2.30000×10^{14}

(364) Greece

ISC	**IX**	**22 03 52 26.4–.43**	**38.10N–.01**	**22.73E–.01**	**19–1**	**5.5b,4.6s**	**2029**	**0-137**
BEO	IX	22 03 52 11.4–1.2	37.15N	23.25E	0	5.3L,4.6s		**¶601736492**
BJI	IX	22 03 52 17.7	38.12N	22.15E	5	5.1b,5.0b		
LVSN	IX	22 03 52 21.0–2.2	37.99N	21.97E	0–999	4.4s,5.0b		
CNRM	IX	22 03 52 23.1	39.30N	23.86E	58	5.3L,5.0b		
GII	IX	22 03 52 24.7–.00	38.10N	22.77E	10	5.3L,5.0b		
THE	IX	22 03 52 24.7	38.08N	22.75E	0–1	4.9L,5.0b		
ISCJB	IX	22 03 52 24.1–.25	38.200N–.01	22.783E–.01	10–1	5.4b,4.5s		
ATH	IX	22 03 52 24.5	38.09N	22.74E	25–0	4.9L,4.5s		
MOS	IX	22 03 52 24.3–1.1	38.24N	22.83E	13	5.4b,4.5s		
NEIC	IX	22 03 52 26.1–.00	38.10N	22.77E	10	5.6b,5.1L		
NEIC	IX	22 03 52 26.0–.00	38.19N	22.42E	15	5.6b,5.1L		
PDG	IX	22 03 52 26.0–.63	38.15N	22.80E	24–1	5.3,4.9L		
IDC	IX	22 03 52 27.1–1.3	38.20N	22.80E	26–7	5.0,4.9		
GCMT	IX	22 03 52 28.1–.20	38.02N–.01	22.68E–.02	16–0	5.0W,4.9		
DDA	IX	22 03 52 39.0	38.17N	22.79E	21	5.1L,4.9		

ISC Event type fe.
BEO Event type ke.
LVSN Error ellipse: s-maj=999.9km s-min=409.8km az=-1.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=14.8.
ATH Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=244.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=4.2km s-min=2.5km az=90.9.
NEIC Event type fe. Felt at Argos, Corinth, Nafplio and in the Athens area. After THE.
NEIC Event type se. Moment Tensor Solution. s17 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.91 $M_{\theta\theta}$2.64 $M_{\phi\phi}$0.27 $M_{r\theta}$-1.89 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s117.00000°,δ64.00000°,λ-81.00000°. NP2:ϕ_s279.00000°,δ27.00000°,λ-106.00000°. Principal axes: T 3.6600,Plg18.0000°,Azm201.0000°; N 0.0600,Plg7.0000°,Azm293.0000° ; P -3.7200,Plg69.0000°,Azm44.0000° $M_0$3.70000×10^{16}
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.
IDC Error ellipse: s-maj=9.0km s-min=8.7km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s93,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.13 $M_{\theta\theta}$3.05±.09; $M_{\phi\phi}$0.19±.08; $M_{r\theta}$-2.26±.23; $M_{\theta\phi}$-1.44±.06; $M_{\phi r}$-0.09±.26; Best double couple: NP1:ϕ_s99.00000°,δ62.00000°,λ-104.00000°. NP2:ϕ_s307.00000°,δ31.00000°,λ-65.00000°. Principal axes: T 4.2290,Plg16.0000° ,Azm199.0000°; N -0.1860,Plg13.0000°,Azm106.0000°; P -4.0450,Plg70.0000° ,Azm338.0000° $M_0$4.13700×10^{16}
DDA Event type ke.

(392) Greece-Albania border region

ISC	**IX**	**22 06 15 58.2–.82**	**40.13N–.01**	**20.85E–.01**	**6–5**	**4.9b,4.1s**	**1154**	**0-122**
CNRM	IX	22 06 15 34.7	41.71N	24.06E	15	4.7L,4.1s		**¶606542142**
BJI	IX	22 06 15 53.3	40.28N	20.42E	5	5.0b,5.0b		
TIR	IX	22 06 15 55.0	40.89N	20.92E	9	4.8,5.0b		
IDC	IX	22 06 15 56.6–.46	40.18N	20.82E	0	4.7,4.7b		
PRU	IX	22 06 15 56.5–.00	40.02N	20.49E	0	4.9,4.7b		
ISCJB	IX	22 06 15 56.6–.27	40.187N–.01	20.83E–.01	2–1	4.8b,4.1s		
ATH	IX	22 06 15 57.4	40.16N	20.83E	17–0	4.5L,4.1s		
NEIC	IX	22 06 15 57.3–.00	40.16N	20.83E	17	4.9b,4.5L		
THE	IX	22 06 15 57.6	40.15N	20.83E	0–2	4.5L,4.5L		
GII	IX	22 06 15 57.5–.00	40.20N	20.89E	10	4.5L,4.5L		
PDG	IX	22 06 15 57.9–.73	40.19N	20.78E	9–1	4.7,4.6L		
MOS	IX	22 06 15 58.9–1.4	40.21N	20.81E	24	5.0b,4.6L		
BEO	IX	22 06 15 58.6–.30	40.11N	20.88E	10	4.6L,4.6L		
GCMT	IX	22 06 15 58.3–.30	40.00N–.02	20.71E–.02	25–1	4.8W,4.6L		
SKO	IX	22 06 15 58.4	40.13N	20.86E	7	4.8W,4.6L		
DDA	IX	22 06 17 01.7	40.34N	20.90E	54	4.5L,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=9.1km s-min=8.8km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=135.3.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=319.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type fe. Felt at Ioannina. Also felt at Korce and Vlore, Albania and at Resen, Macedonia. After ATH.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=297.0.
GII Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
MOS Error ellipse: s-maj=3.9km s-min=2.7km az=89.5.
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s78,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.10 $M_{\theta\theta}$-1.14±.08; $M_{\phi\phi}$0.98±.08; $M_{r\theta}$-0.04±.16; $M_{\theta\phi}$-1.84±.07; $M_{\phi r}$0.24±.16; Best double couple: NP1:ϕ_s15.00000°,δ87.00000°,λ6.00000°. NP2:ϕ_s285.00000°,δ84.00000°,λ177.00000°. Principal axes: T 2.0730,Plg7.0000° ,Azm240.0000°; N 0.1300,Plg83.0000°,Azm44.0000°; P -2.2060,Plg2.0000°,Azm150.0000° $M_0$2.13900×10^{16}
DDA Event type ke.

(228) Near east coast of eastern Honshu

ISC	**IX**	**22 06 22 18.8–1.1**	**36.72N–.04**	**140.64E–.04**	**8–8**	**3.7b**	**27**	**0-60**
NIED	IX	22 06 22 00	36.70N	140.60E	5	3.5W		**¶601863982**
ISCJB	IX	22 06 22 18.8–.64	36.67N–.03	140.71E–.05	12–3	3.9s,3.6b		
IDC	IX	22 06 22 18.9–2.0	36.50N	140.63E	0	3.9,3.8		
JMA	IX	22 06 22 19.6	36.69N	140.63E	7–1	3.7,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ46.00000°,λ-43.00000°. NP2:ϕ_s300.00000°,δ60.00000°,λ-127.00000°. $M_0$2.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.8km az=18.1.
IDC Error ellipse: s-maj=46.6km s-min=24.1km az=45.0.
JMA Felt [II] J1.

(115) Near coast of Peru

ISC	**IX**	**22 08 36 21.2–.48**	**17.41S–.05**	**70.98W–.07**	**56**	**4.2b**	**71**	**1-154**
GUC	IX	22 08 36 18.8–.38	17.40S	71.09W	50–151	4.5L		**¶601736509**
ISCJB	IX	22 08 36 19.2–.33	17.40S–.04	71.06W–.07	56	4.3b,3.5s		
NEIC	IX	22 08 36 20.3–.78	17.44S	71.08W	46–8	4.5L,4.5L		
IDC	IX	22 08 36 24.6–2.4	17.38S	70.66W	87–20	4.0,3.8		

ISC Event type fe.
GUC Error ellipse: s-maj=3.2km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.8km az=156.5.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=7.0km az=81.0. Felt [II] at Moquegua. Felt [III] at Arica, Chile.
IDC Error ellipse: s-maj=28.0km s-min=20.9km az=11.0.

(75) Nicaragua

ISC	**IX**	**22 09 57 50.9–.67**	**11.09N–.05**	**85.83W–.05**	**80–6**	**4.3b**	**207**	**1-158**
ISCJB	IX	22 09 57 50.2–.34	11.09N–.03	85.82W–.03	88–2	4.2b		**¶601736791**
IDC	IX	22 09 57 50.8–.99	11.21N	85.71W	78–13	4.3,4.2		
NEIC	IX	22 09 57 51.4–.41	11.08N	85.82W	90–4	4.2b,4.2		
UCR	IX	22 09 57 52.0–1.2	11.19N	85.82W	75–9	4.2L,4.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=33.7.
IDC Error ellipse: s-maj=32.2km s-min=13.2km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.3km az=216.0. Felt at Sardinal, Costa Rica.
UCR Error ellipse: s-maj=5.7km s-min=3.4km az=-1.0.

(58) Near coast of Guerrero

ISC	**IX**	**22 12 29 58.2–.39**	**16.37N–.03**	**98.20W–.03**	**20–1**	**5.3b,5.1s**	**1297**	**0-150**
IDC	IX	22 12 29 54.7–.48	16.41N	98.19W	0	5.0,4.9		**¶601736795**
MOS	IX	22 12 29 56.8–.99	16.49N	97.99W	17	5.3b,5.0s		
MEX	IX	22 12 29 57.8–.49	16.26N	98.28W	5–2	5.4,5.0s		
NEIC	IX	22 12 29 58.0–.00	16.26N	98.28W	6	5.4,5.4b		
ISCJB	IX	22 12 30 00.1–.16	16.69N–.02	97.92W–.01	29	5.2b,5.1s		
BJI	IX	22 12 30 00.9	16.60N	98.00W	29	5.6s,5.5b		
GCMT	IX	22 12 30 01.0–.10	16.55N–.01	98.10W–.01	20–0	5.5W,5.5b		
UCR	IX	22 12 30 41.2–3.2	17.15N	94.73W	179–46	5.4b,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=46.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=99.0.
MEX Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt [II] at Mexico and Oaxaca. Also felt at Acatzingo, Atlixco, Chilpancingo, Ixtaczoquitlan, Jicayan, Pinotepa Nacional, Putla and Tlalnepantla. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=27.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c190; s123,c240;Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.03 $M_{\theta\theta}$-1.39±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$1.33±.05; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$-0.96±.05; Best double couple: NP1:ϕ_s119.00000°,δ70.00000°,λ103.00000°. NP2:ϕ_s264.00000°,δ24.00000°,λ58.00000°. Principal axes: T 2.2250,Plg63.0000° ,Azm49.0000°; N -0.1190,Plg12.0000°,Azm294.0000°; P -2.1030,Plg24.0000° ,Azm199.0000° $M_0$2.16400×10^{17}
UCR Error ellipse: s-maj=20.5km s-min=144.2km az=-1.0.

(73) El Salvador

ISC	**IX**	**22 14 56 60.0–2.3**	**12.97N–.07**	**89.62W–.09**	**28–13**		**49**	**1-23**
NEIC	IX	22 14 57 01.0–.00	13.05N	89.56W	32	4.3		**¶601739626**
UCR	IX	22 14 57 01.7–1.4	13.01N	89.53W	30–4	4.2L,3.9		

ISC Event type fe.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
UCR Error ellipse: s-maj=3.6km s-min=5.3km az=-1.0.

(441) Ontario

ISC	**IX**	**22 16 10 37.7–3.1**	**48.42N–.03**	**83.23W–.03**	**2–22**		**188**	**1-30**
IDC	IX	22 16 10 38.7–.77	48.34N	83.31W	0	4.1,3.9		**¶601736806**
OTT	IX	22 16 10 40.3–.25	48.41N	83.28W	8	3.9,3.9		
NEIC	IX	22 16 10 41.4–.00	48.44N	83.27W	18	3.9,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=7.4km az=38.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. 64km northeast from Chapleau, Ontario Felt.
NEIC Event type fe. Felt at Chapleau and Kapuskasing. After OTT.

(377) Spain

ISC	**IX**	**22 16 28 50.2–1.2**	**43.05N–.03**	**6.22W–.03**	**27–12**		**309**	**1-11**

MDD IX 22 16 28 51.3–.27 42.97N 6.19W 11–0 3.2 ¶601736807
LDG IX 22 16 28 51.5–.09 42.99N 6.27W 10 3.6L
INMG IX 22 16 28 51.1–1.6 42.97N 6.15W 12–3 3.3,3.3L
IGIL IX 22 16 28 51.4 42.92N 6.18W 0 3.3,3.3L
STR IX 22 16 28 59.3–.71 43N–20 6W–8.0 16–11 3.4,3.4
ISC Event type ke.
MDD EMS: III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke.
INMG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.

(228) Near east coast of eastern Honshu

ISC IX 22 18 24 16.1–2.6 38.51N–.05 142.22E–.08 16–14 3.8b 31 1-76
NIED IX 22 18 24 00 38.60N 142.00E 44 3.8W ¶606034691
JMA IX 22 18 24 19.6–.10 38.58N 142.00E 40–1 4.0
IDC IX 22 18 24 21.3–2.4 38.52N 142.10E 55–21 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ35.00000°,λ-21.00000°. NP2:ϕ_s255.00000°,δ78.00000°,λ-124.00000°. M_o6.36000×10^{14}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=23.4km s-min=12.9km az=107.0.

(1) Central Alaska

ISC IX 22 18 47 06.5–.98 62.22N–.02 145.71W–.02 13–7 3.6b,3.0s 111 0-56
ISCJB IX 22 18 47 06.8–.32 62.23N–.02 145.68W–.04 23–3 3.7b,3.0s ¶601751123
NEIC IX 22 18 47 07.4–.00 62.21N 145.68W 22 3.8L,3.0s
IDC IX 22 18 47 09.9–2.4 62.38N 145.72W 23–17 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=168.4.
NEIC Event type fe. Felt [II] at Glennallen. After AEIC.
IDC Error ellipse: s-maj=14.1km s-min=13.6km az=29.0.

(76) Off coast of central America

ISC IX 23 01 51 36.0–.65 13.01N–.05 88.71W–.04 75–5 4.5b 488 0-152
ISCJB IX 23 01 51 35.0–.24 12.98N–.02 88.72W–.02 73–1 4.5b ¶601737034
UCR IX 23 01 51 36.1–1.9 13.08N 88.69W 62–12 4.9L,4.5b
NEIC IX 23 01 51 36.8–.43 12.93N 88.64W 82–4 4.8,4.5b
IDC IX 23 01 51 36.3–1.4 13.09N 88.54W 77–13 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.3km az=37.5.
UCR Error ellipse: s-maj=7.3km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.3km az=223.0. Felt [III] at San Salvador. Also felt at Delgado, Ilopango, Mejicanos and Santo Tomas.
IDC Error ellipse: s-maj=19.1km s-min=8.0km az=49.0.

(77) Off coast of Costa Rica

ISC IX 23 03 43 07.3–1.3 9.84N–.06 85.53W–.05 31–8 4.4b,3.2s 249 0-128
UCR IX 23 03 43 05.1–1.3 9.79N 85.63W 7 4.4b,3.4 ¶601737035
ISCJB IX 23 03 43 08.0–.63 9.89N–.05 85.51W–.04 49–3 4.3b,3.4s
NEIC IX 23 03 43 10.1–.90 9.99N 85.38W 47–6 4.4b,3.4s
IDC IX 23 03 43 11.2–.87 10.34N 85.06W 54–10 4.2,4.2
ISC Event type fe.
UCR Error ellipse: s-maj=2.8km s-min=3.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.9km az=27.7.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=6.9km az=198.0. Felt at Paquera.
IDC Error ellipse: s-maj=39.2km s-min=22.2km az=38.0.

(227) Eastern Honshu

ISC IX 23 04 23 37.6–.90 39.72N–.04 141.77E–.06 55–6 4.0b 32 0-72
ISCJB IX 23 04 23 36.1–.64 39.76N–.03 141.89E–.08 67–3 3.8b ¶601864023
JMA IX 23 04 23 37.7 39.76N 141.84E 59–1 3.3
IDC IX 23 04 23 40.8–2.2 39.64N 141.86E 100–19 3.8,3.6b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.7km az=5.6.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=37.1km s-min=15.1km az=99.0.

(251) Samar

ISC IX 23 06 30 29.2–.38 12.97N–.03 125.28E–.05 30–2 4.7b,3.9s 231 1-149
ISCJB IX 23 06 30 26.9–.94 13.00N–.02 125.19E–.03 29–7 4.6b,4.0s ¶601737040
MOS IX 23 06 30 27.3–1.3 12.77N 125.11E 37 4.7b,4.0s
MAN IX 23 06 30 28.3 12.94N 124.99E 51 5.7b,5.2s
NEIC IX 23 06 30 29.8–.30 12.84N 125.03E 43 4.9b,5.2s
DJA IX 23 06 30 29.8–.50 13N–3.0 126E–7.0 53–6 6.0,5.3
IDC IX 23 06 30 30.0–.47 12.78N 125.00E 43–4 4.5L,4.3
BJI IX 23 06 30 31.4 13.57N 125.80E 38 4.8b,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=2.9km az=169.1.
MOS Error ellipse: s-maj=13.0km s-min=6.6km az=116.4.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.1km az=75.0. Felt [IV PIVS] at Laoang; [III PIVS] at Bobon, Catarman and Palapag; [II PIVS] at Allen.
IDC Error ellipse: s-maj=15.1km s-min=9.2km az=79.0.

(115) Near coast of Peru

ISC IX 23 08 47 16.5–.73 13.19S–.06 76.6W–.10 10 4.2b 31 1-162
ISCJB IX 23 08 47 16.0–.63 13.14S–.06 76.5W–.10 10 4.2b,3.3s ¶601737044
IDC IX 23 08 47 15.8–.93 13.13S 76.36W 0 4.2,4.1
NEIC IX 23 08 47 18.2–3.3 13.07S 76.63W 19–21 4.4L,4.1b
BJI IX 23 08 47 19.7 13.20S 77.10W 72 4.4L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.0km s-min=5.7km az=157.7.
IDC Error ellipse: s-maj=29.6km s-min=17.0km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=16.4km s-min=6.7km az=77.0. Felt [III] at San Vicente de Canete.

(76) Off coast of central America

ISC IX 23 08 52 53.3–1.1 12.61N–.06 88.63W–.04 46–11 4.2b,3.6s 104 1-148
IDC IX 23 08 52 44.4–2.0 12.40N 88.22W 0 4.0,3.7 ¶601751126
ISCJB IX 23 08 52 52.0–.44 12.59N–.04 88.64W–.03 46–4 4.1b,3.6s
UCR IX 23 08 52 52.5–1.8 12.70N 88.62W 69–30 4.2b,3.9L
NEIC IX 23 08 52 53.8–.77 12.65N 88.57W 44–8 4.2b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=54.6km s-min=38.8km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.2km az=38.8.
UCR Error ellipse: s-maj=12.1km s-min=6.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=6.4km az=206.0. Felt [I] at Usulutan.

(123) Northern Chile

ISC IX 23 12 28 30.5–.43 20.33S–.03 69.33W–.05 97–3 4.5b 373 0-163
GUC IX 23 12 28 30.8–.49 20.33S 69.27W 89–3 4.2L ¶601737055
NEIC IX 23 12 28 30.0–.00 20.33S 69.30W 89 4.5b,4.2L
IDC IX 23 12 28 31.3–.65 20.26S 68.93W 104–5 4.2,4.0
ISC Event type fe.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
NEIC Event type fe. Felt [IV] at Alto Hospicio and Iquique; [III] at Camina, Huara and Pica; [II] at Mamina. After GUC.
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=44.0.

(78) Costa Rica

ISC IX 23 14 58 22.3–1.1 9.89N–.05 85.56W–.04 25–7 4.5b,3.8s 271 0-151
UCR IX 23 14 58 22.0–1.2 9.86N 85.62W 10 4.4b,4.1L ¶601737062
IDC IX 23 14 58 25.5–1.8 10.03N 85.44W 42–13 4.2,4.2
NEIC IX 23 14 58 26.4–.64 10.11N 85.41W 53–4 4.4b,4.2
ISC Event type fe.
UCR Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=13.2km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.1km az=207.0. Felt at Paquera.

(272) Seram

ISC IX 23 15 25 07.0–.50 3.44S–.05 129.05E–.05 37 4.0b,3.5s 58 1-91
IDC IX 23 15 25 01.9–.79 3.40S 128.97E 0 4.1,4.0 ¶601737064
BJI IX 23 15 25 01.0 3.40S 129.10E 5 4.7b,4.4b
NEIC IX 23 15 25 02.9–.41 3.33S 129.08E 10 4.2b,4.4b
ISCJB IX 23 15 25 04.6–.28 3.44S–.03 128.98E–.03 37 4.1b,3.6s
DJA IX 23 15 25 04.7–.30 3S–4.0 129E–2.0 10 5.1b,5.0b
ISC Event type fe.
NEIC Event type fe. Felt [III] at Amahai.
ISCJB Event type fe.

(460) Wyoming

ISC IX 23 18 59 14.6–.90 43.61N–.04 105.28W–.04 0 23 1-9
IDC IX 23 18 59 13.4–2.4 43.48N 105.31W 0 3.6,3.4 ¶601864051
ISCJB IX 23 18 59 14.7–.54 43.62N–.04 105.30W–.06 0 3.6,3.4
NEIC IX 23 18 59 15.4–.71 43.66N 105.30W 0 3.1L,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=55.0km s-min=10.0km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=6.1km s-min=5.1km az=19.3.
NEIC Event type sm. Error ellipse: s-maj=11.3km s-min=9.1km az=166.0. 72 km [44 miles] SSE of Gillette. Suspected Mining explosion.

(224) Hokkaido region

ISC IX 23 22 39 05.7–.69 41.48N–.04 142.07E–.03 66–6 4.4b 165 1-79
NIED IX 23 22 39 00 41.50N 142.00E 50 4.0W ¶601864055
MOS IX 23 22 39 04.4–.85 41.50N 142.09E 75 4.7b
ISCJB IX 23 22 39 04.3–.24 41.48N–.02 142.03E–.03 69–2 4.2b
JMA IX 23 22 39 04.8–.10 41.48N 142.01E 64–2 3.8
IDC IX 23 22 39 06.1–1.3 41.48N 142.04E 72–11 4.2,4.0
NEIC IX 23 22 39 06.6–.45 41.47N 142.04E 77–4 4.6b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ18.00000°,λ84.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ92.00000°. M_o1.24000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=7.3km az=88.1.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=44.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s18.00000°,δ75.00000°,λ93.00000°. NP2:ϕ_s188.00000°,δ15.00000°,λ80.00000°. Principal axes: T Plg60.0000°,Azm292.0000° ; N Plg3.0000°,Azm197.0000°; P Plg30.0000°,Azm106.0000°
IDC Error ellipse: s-maj=15.0km s-min=9.1km az=111.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=128.0.

(259) Mindanao

ISC IX 24 00 28 02.4–.46 5.59N–.03 126.61E–.04 71–3 5.1b 662 1-170
MAN IX 24 00 27 56.7 5.18N 126.69E 59 5.1b,4.2s ¶601738425
BJI IX 24 00 27 57.4 5.70N 126.60E 25 5.0b,5.0b
MOS IX 24 00 27 57.0–1.0 5.61N 126.40E 38 5.3b,5.0b
KLM IX 24 00 28 00.0 5.84N 127.04E 82 5.1b,5.0b
ISCJB IX 24 00 28 02.0–.32 5.64N–.02 126.64E–.03 85–2 5.0b,5.0b
GCMT IX 24 00 28 01.9–.20 5.67N–.01 126.54E–.02 69–2 5.0W,5.0b
NEIC IX 24 00 28 01.9–.58 5.63N 126.54E 69–5 5.1b,5.0b
IDC IX 24 00 28 02.1–.90 5.55N 126.55E 70–7 4.9,4.7
DJA IX 24 00 28 04.6–.40 6N–3.0 127E–2.0 82–3 5.8,5.4b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c75; s80,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.15 $M_{\theta\theta}$-3.11±.12; $M_{\phi\phi}$1.81±.15; $M_{r\theta}$-0.83±.10; $M_{\theta\phi}$-3.04±.11; $M_{\phi r}$2.03±.10; Best double couple: NP1:ϕ_s24.00000°,δ68.00000°,λ26.00000°. NP2:ϕ_s284.00000°,δ66.00000°,λ156.00000°. Principal axes: T 4.6810,Plg33.0000° ,Azm245.0000°; N -0.1180,Plg57.0000°,Azm62.0000°; P -4.5630,Plg1.0000°,Azm154.0000° M_o4.62200×10^{16}
NEIC Event type fe. Felt [II PIVS] at Mati.

(228) Near east coast of eastern Honshu

JMA IX 24 01 53 33.4–.10 38.89N 141.97E 50–1 3.7
NIED IX 24 01 53 00 38.90N 141.90E 56 3.6W ¶603679737
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ23.00000°,λ43.00000°. NP2:ϕ_s27.00000°,δ74.00000°,λ107.00000°. M_o3.30000×10^{14}

(136) Central Chile

ISC IX 24 02 50 04.8–.79 35.14S–.05 70.94W–.07 105–8 3.9b 54 1-120
SJA IX 24 02 50 03.3–1.0 35.16S 70.72W 33 4.0L,3.5W ¶601795280
ISCJB IX 24 02 50 04.1–.38 35.15S–.04 70.91W–.07 113–4 3.9b,3.5W
NEIC IX 24 02 50 04.0–.00 35.06S 71.18W 118 4.6L,4.2b
GUC IX 24 02 50 04.8–.53 35.06S 71.18W 119–4 4.6L,4.2b
IDC IX 24 02 50 04.1–3.0 35.08S 70.99W 99–26 4.0,3.8
ISC Event type fe.
SJA Error ellipse: s-maj=3.4km s-min=6.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.8km az=24.0.
NEIC Event type fe. Felt [IV] at Pelarco; [III] at Chepica, Chimbarongo, Lolol, Molina, Paredones, Pichilemu, Rio Claro, Romeral, San Fernando, Santa Cruz, San Vicente de Taguatagua, Talca and Villa Alegre; [II] at Cauquenes, Constitucion, Curico, Maule, Parral, Pencahue and Rancagua. After GUC.
GUC Error ellipse: s-maj=2.5km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=16.2km az=94.0.

(123) Northern Chile

ISC IX 24 03 09 04.2–.63 20.29S–.04 69.10W–.07 102–6 3.6b 54 0-134
ISCJB IX 24 03 09 03.4–.32 20.23S–.03 69.07W–.06 108–4 3.5b ¶601845964
NEIC IX 24 03 09 04.0–.00 20.22S 69.19W 99 4.2L,4.2b
GUC IX 24 03 09 04.6–.39 20.23S 69.19W 97–2 4.2L,4.2b
IDC IX 24 03 09 07.0–2.5 20.21S 68.85W 117–22 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=4.5km az=0.6.
NEIC Event type fe. Felt [II] at Alto Hospicio, Huara, Iquique, La Tirana, Pica and Pisagua. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=25.7km s-min=18.3km az=98.0.

(233) Near south coast of western Honshu

ISC IX 24 04 11 25.2–2.4 33.48N–.05 135.13E–.03 8–15 3.5b 31 0-70
NIED IX 24 04 11 00 33.60N 135.20E 38 3.8W ¶601864073
IDC IX 24 04 11 24.3–1.1 33.43N 135.21E 0 4.0L,3.8
JMA IX 24 04 11 28.9 33.55N 135.17E 43–1 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ61.00000°,λ1.00000°. NP2:ϕ_s123.00000°,δ89.00000°,λ151.00000°. M_o6.17000×10^{14}
IDC Error ellipse: s-maj=25.0km s-min=22.9km az=131.0.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s307.00000°,δ82.00000°,λ-146.00000°. NP2:ϕ_s212.00000°,δ57.00000°,λ-9.00000°. Principal axes: T Plg17.0000°,Azm75.0000°; N Plg55.0000°,Azm319.0000°; P Plg29.0000° ,Azm175.0000°

(228) Near east coast of eastern Honshu

ISC IX 24 08 03 46.6–.99 39.87N–.04 142.16E–.08 46–8 4.0b 36 0-75
NIED IX 24 08 03 00 39.90N 142.20E 53 4.0W ¶606035401
ISCJB IX 24 08 03 45.7–.68 39.87N–.04 142.17E–.10 56–5 3.9b,3.0s
JMA IX 24 08 03 46.3–.10 39.88N 142.17E 47–1 3.8,3.0s
IDC IX 24 08 03 48.9–2.0 39.85N 142.10E 73–17 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ19.00000°,λ62.00000°. NP2:ϕ_s15.00000°,δ73.00000°,λ99.00000°. M_o1.03000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=5.8km az=8.3.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=21.6km s-min=12.2km az=104.0.

(227) Eastern Honshu

ISC IX 24 16 12 47.5–.92 36.14N–.05 139.85E–.05 53–8 3.7b 23 0-60
NIED IX 24 16 12 00 36.20N 139.90E 56 3.6W ¶601864103
IDC IX 24 16 12 40.1–1.1 36.09N 140.13E 0 3.7,3.7
ISCJB IX 24 16 12 46.5–.56 36.11N–.05 139.91E–.07 60–4 3.5b,3.7
JMA IX 24 16 12 48.0–.10 36.13N 139.84E 49–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ21.00000°,λ73.00000°. NP2:ϕ_s56.00000°,δ70.00000°,λ96.00000°. M_o2.45000×10^{14}
IDC Error ellipse: s-maj=29.7km s-min=17.9km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=7.7km az=168.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ79.00000°,λ88.00000°. NP2: ϕ_s234.00000°,δ11.00000°,λ102.00000°. Principal axes: T Plg56.0000°,Azm309.0000° ; N Plg2.0000°,Azm42.0000°; P Plg34.0000°,Azm134.0000°

(460) Wyoming

ISC IX 24 20 06 42.9–.81 43.77N–.05 105.29W–.04 0 33 1-61
NEIC IX 24 20 06 39.6–.75 43.56N 104.85W 0 3.5L ¶601864114
IDC IX 24 20 06 41.6–1.5 43.44N 105.11W 0 3.9,3.9b
ISCJB IX 24 20 06 42.1–.42 43.79N–.03 105.28W–.04 0 4.1b,3.9b
ISC Event type sm.
NEIC Event type sm. 63 km [39 miles] WSW of Newcastle. Suspected Mining explosion.
ISCJB Event type fm.

(228) Near east coast of eastern Honshu

ISC IX 24 20 16 04.1–.95 38.61N–.05 141.92E–.08 48–8 3.5b 34 0-73
NIED IX 24 20 16 00 38.60N 141.90E 53 3.7W ¶601864115

ISCJB IX 24 20 16 03.0–.80 38.62N–.04 141.91E–.10 58–5 3.6b,2.7s
JMA IX 24 20 16 04.1 38.64N 141.91E 48–1 3.8,2.7s
IDC IX 24 20 16 05.0–2.4 38.63N 141.84E 57–21 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ21.00000°,λ48.00000°. NP2:ϕ_s30.00000°,δ75.00000°,λ104.00000°. $M_0$4.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=5.4km az=21.2.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=24.7km s-min=13.5km az=106.0.

(92) Leeward Islands

TRN IX 24 21 56 09.8 16.87N 62.23W 17 3.7
NEIC IX 24 21 56 09.8–.00 16.87N 62.23W 17 3.7 **¶602342549**
TRN Felt MMI II, III in Montserrat.
NEIC Event type fe. Felt at Bransby Point. After TRN.

(243) Taiwan region

ISC IX 24 21 57 33.1–.97 22.84N–.02 121.34E–.02 14–6 4.3b,3.7s 292 0-146
NIED IX 24 21 57 00 22.90N 121.30E 23 4.3W,3.7s **¶601738951**
ISCJB IX 24 21 57 33.0–.26 22.81N–.01 121.36E–.01 24–1 4.2b,3.7s
JMA IX 24 21 57 32.9–.10 22.88N 121.28E 31–2 4.7,3.7s
BJI IX 24 21 57 32.9 22.87N 121.30E 16 4.5b,4.2b
TAP IX 24 21 57 33.4 22.86N 121.29E 17–0 4.7L,4.2b
NEIC IX 24 21 57 35.5–.89 22.88N 121.46E 39–8 4.7L,4.5b
IDC IX 24 21 57 36.3–3.5 22.83N 121.45E 49–35 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ43.00000°,λ91.00000°. NP2:ϕ_s22.00000°,δ47.00000°,λ89.00000°. $M_0$2.83000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=138.2.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
TAP B.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.6km az=152.0. Recorded [3 TAP] in Taitung and [1 TAP] in Pingtung and Yunlin.
IDC Error ellipse: s-maj=18.8km s-min=11.1km az=65.0.

(73) El Salvador

ISC IX 24 22 22 18.8–.95 13.21N–.07 89.35W–.06 75–7 4.2b 73 0-34
ISCJB IX 24 22 22 18.8–.57 13.25N–.06 89.32W–.05 87–4 4.1b **¶601845965**
UCR IX 24 22 22 20.6–1.8 13.14N 89.29W 53–13 4.4L,4.0b
NEIC IX 24 22 22 21.4–1.2 13.33N 89.19W 110–11 4.5,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=4.2km az=35.9.
UCR Error ellipse: s-maj=7.8km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=24.5km s-min=9.3km az=48.0. Felt [III] at San Salvador. Also felt at San Luis.

(115) Near coast of Peru

ISC IX 24 23 25 07.0–.75 16.82S–.07 73.16W–.09 35 4.1b 32 3-123
NEIC IX 24 23 25 09.0–.00 16.72S 73.18W 48 4.3L,4.3b **¶601739369**
IDC IX 24 23 25 11.2–2.1 16.59S 73.15W 84–18 4.3,4.0
GUC IX 24 23 25 14.4–.51 17.09S 72.89W 47–34 3.8L,4.0
ISC Event type fe.
NEIC Event type fe. Felt [II] at Camana and Ocona. After ARE.
IDC Error ellipse: s-maj=23.1km s-min=12.7km az=30.0.
GUC Error ellipse: s-maj=9.6km s-min=21.1km az=-1.0.

(228) Near east coast of eastern Honshu

ISC IX 25 02 55 47.7–.46 36.66N–.04 141.31E–.05 35–3 4.5b 136 1-147
NIED IX 25 02 55 00 36.70N 141.20E 44 4.2W **¶601739428**
MOS IX 25 02 55 45.3–.97 36.65N 141.33E 33 4.8b
ISCJB IX 25 02 55 46.5–.53 36.64N–.02 141.30E–.04 43–4 4.4b,3.5s
JMA IX 25 02 55 48.5–.10 36.67N 141.12E 46–1 4.1,3.5s
NEIC IX 25 02 55 49.6–.62 36.63N 141.20E 52–5 4.9b,3.5s
IDC IX 25 02 55 53.1–2.0 36.61N 141.00E 80–17 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ16.00000°,λ45.00000°. NP2:ϕ_s4.00000°,δ79.00000°,λ102.00000°. $M_0$2.45000×10^{15}
MOS Error ellipse: s-maj=9.5km s-min=6.9km az=107.1.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=18.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=99.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
IDC Error ellipse: s-maj=17.0km s-min=11.9km az=71.0.

(173) Tonga Islands

ISC IX 25 03 06 51.7–.30 15.50S–.04 173.77W–.04 106–2 5.1b 1384 2-175
ISCJB IX 25 03 06 49.9–.78 15.50S–.03 173.89W–.02 100–7 5.1b **¶604029872**
MOS IX 25 03 06 49.4–.96 15.37S 173.96W 89 5.4b
IDC IX 25 03 06 50.4–2.0 15.46S 173.87W 90–17 5.5,5.2
BJI IX 25 03 06 51.3 15.14S 173.90W 104 5.5b,5.4b
NEIC IX 25 03 06 52.0–.00 15.77S 173.72W 110 5.5b,5.4b
NEIC IX 25 03 06 53.9–.49 15.52S 173.90W 122–4 5.7W,5.6W
GCMT IX 25 03 06 56.8–.10 15.39S–.01 173.63W–.01 122–0 5.7W,5.6W
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$1.35 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.44 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s47.00000° ,δ66.00000°,λ38.00000°. NP2:ϕ_s299.00000°,δ56.00000°,λ150.00000°. Principal axes: T 3.0200,Plg43.0000°,Azm266.0000°; N -0.3600,Plg45.0000°,Azm74.0000° ; P -2.6500,Plg6.0000°,Azm171.0000° $M_0$2.90000×10^{17}
NEIC Event type fe. Felt at Utulei, American Samoa. Also felt at Apia, Samoa. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$-2.88 $M_{\phi\phi}$1.02 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.79 $M_{\phi r}$3.15 Best double couple: NP1:ϕ_s288.00000°,δ36.00000°,λ153.00000°. NP2:ϕ_s40.00000° ,δ75.00000°,λ57.00000°. Principal axes: T 4.6400,Plg49.0000°,Azm274.0000° ; N -0.8300,Plg31.0000°,Azm50.0000°; P -3.8100,Plg23.0000°,Azm155.0000° $M_0$4.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c235; s137,c353; Duration: 1$\hat{s}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$-3.66±.04; $M_{\phi\phi}$2.03±.04; $M_{r\theta}$0.82±.03; $M_{\theta\phi}$-0.23±.04; $M_{\phi r}$2.36±.03; Best double couple: NP1:ϕ_s50.00000°,δ70.00000° ,λ41.00000°. NP2:ϕ_s304.00000°,δ52.00000°,λ154.00000°. Principal axes: T 4.2180,Plg43.0000°,Azm274.0000°; N -0.3640,Plg45.0000°,Azm72.0000° ; P -3.8540,Plg11.0000°,Azm173.0000° $M_0$4.03600×10^{17}

(289) Timor region

ISC IX 25 03 08 15.8–.43 9.54S–.04 124.91E–.04 37–1 4.7b 281 1-154
BJI IX 25 03 08 06.3 10.06S 125.24E 21 5.0b,4.9b **¶601738960**
IDC IX 25 03 08 10.7–.47 9.27S 124.84E 0 4.7L,4.6
ISCJB IX 25 03 08 12.9–.18 9.49S–.03 125.02E–.02 33 4.8b,4.6
MOS IX 25 03 08 14.6–1.3 9.24S 124.78E 33 4.9b,4.6
NEIC IX 25 03 08 16.7–.23 9.43S 124.73E 35 4.8b,4.6
DJA IX 25 03 08 16.0–.20 10S–2.0 125E–2.0 10 5.5b,5.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Kefamenanu.

(228) Near east coast of eastern Honshu

JMA IX 25 06 48 37.4 37.64N 141.78E 48–2 3.7
NIED IX 25 06 48 00 37.60N 141.80E 50 3.4W **¶603680234**
JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ24.00000°,λ99.00000°. NP2: ϕ_s177.00000°,δ67.00000°,λ86.00000°. $M_0$1.51000×10^{14}

(718) Hindu Kush region

ISC IX 25 08 33 00.5–.45 36.33N–.03 69.14E–.02 29–3 5.2b,4.8s 635 2-149
ISCJB IX 25 08 32 57.2–.65 36.30N–.02 69.19E–.02 16–4 5.1b,4.8s **¶601739374**
GCMT IX 25 08 32 59.7–.20 36.46N–.01 69.06E–.02 26–0 5.2W,4.8s
MOS IX 25 08 32 59.7–1.0 36.35N 69.18E 33 5.3b,4.9s
BJI IX 25 08 33 00.9 36.63N 69.28E 32 5.2b,5.1b
NEIC IX 25 08 33 00.7–1.2 36.28N 69.21E 30–8 5.2b,5.1b
IDC IX 25 08 33 00.4–3.8 36.24N 69.20E 31–27 4.8,4.7
NNC IX 25 08 33 01.6–1.8 36.78N 68.88E 0 5.7b,5.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=32.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c125; s97,c167;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.19 $M_{\theta\theta}$-2.78±.14; $M_{\phi\phi}$-1.95±.13; $M_{r\theta}$-3.80±.31; $M_{\theta\phi}$-4.52±.11; $M_{\phi r}$-3.10±.29; Best double couple: NP1:ϕ_s231.00000°,δ65.00000°,λ93.00000°. NP2:ϕ_s43.00000°,δ25.00000°,λ83.00000°. Principal axes: T 6.5310,Plg70.0000° ,Azm147.0000°; N 2.1600,Plg3.0000°,Azm49.0000°; P -8.6910,Plg20.0000°,Azm318.0000° $M_0$7.61100×10^{16}
MOS Error ellipse: s-maj=4.8km s-min=3.8km az=95.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=189.0. Felt [II] at Kabul. Also felt at Ishkamesh and Kunduz. Felt in the Dushanbe area, Tajikistan.
IDC Error ellipse: s-maj=11.5km s-min=8.5km az=8.0.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=11.1km az=169.0.

(229) Off east coast of Honshu

ISC IX 25 14 21 38.8–.67 36.11N–.04 142.45E–.04 19–2 5.0b,4.3s 602 1-154
NIED IX 25 14 21 00 36.20N 142.30E 20 4.6W,4.3s **¶601739654**
IDC IX 25 14 21 35.7–.41 36.13N 142.43E 0 4.8,4.7
MOS IX 25 14 21 36.3–.89 36.11N 142.35E 14 5.1b,4.2s
ISCJB IX 25 14 21 36.7–.81 36.16N–.02 142.34E–.02 12–5 4.8b,4.2s
BJI IX 25 14 21 37.6 36.03N 142.15E 16 5.1b,5.1b
JMA IX 25 14 21 39.3–.20 36.19N 142.35E 55 4.7,5.1b
NEIC IX 25 14 21 39.3–1.2 36.11N 142.32E 21–8 5.0b,5.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ20.00000°,λ-168.00000°. NP2:ϕ_s172.00000°,δ86.00000°,λ-71.00000°. $M_0$9.78000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=110.0.
MOS Error ellipse: s-maj=6.5km s-min=4.8km az=122.4.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=176.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=137.0. Recorded [1 JMA] in Fukushima, Miyagi and Tochigi.

(35) Near coast of northern California

ISC IX 25 15 15 10.1–.52 39.11N–.03 123.24W–.03 10 4.2b,4.0s 147 0-96
ISCJB IX 25 15 15 08.7–.29 39.11N–.02 123.24W–.04 10 4.3b,3.8s **¶601739656**
IDC IX 25 15 15 09.8–1.3 39.24N 123.21W 0 4.0b,4.0
NEIC IX 25 15 15 09.9–.00 39.17N 123.17W 12 4.5W,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.0km az=152.9.
IDC Error ellipse: s-maj=21.8km s-min=12.6km az=45.0.
NEIC Event type fe. Felt [V] at Redwood Valley; [IV] at Boonville, Hopland, Ukiah, Upper Lake and Witter Springs; [III] at Comptche, Lakeport, Littleriver, Nice, Philo, Potter Valley and Willits. Felt as far as the San Francisco Bay area and Garberville. After NCEDC. Moment Tensor Solution. $M_0$7.40000×10^{15}

(10) Unimak Island region

ISC IX 25 15 48 45.0–.56 54.05N–.05 164.12W–.03 43–4 4.9b,3.8s 879 1-154
MOS IX 25 15 48 42.6–.99 54.13N 164.11W 35 5.1b,3.8s **¶601739657**
ISCJB IX 25 15 48 44.9–.23 54.06N–.02 164.00W–.02 60–2 4.8b,3.8s
IDC IX 25 15 48 44.8–2.5 54.08N 164.24W 40–21 4.7,4.6
BJI IX 25 15 48 45.2 54.57N 164.39W 50 5.1b,4.9b
NEIC IX 25 15 48 46.2–.23 54.11N 164.11W 55–2 4.9b,4.7L
ISC Event type fe.
MOS Error ellipse: s-maj=7.9km s-min=4.5km az=87.2.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=1.9km az=173.9.
IDC Error ellipse: s-maj=13.5km s-min=9.3km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=165.0. Felt at False Pass.

(41) Southern Nevada

ISC IX 25 16 03 32.8–.70 36.48N–.02 114.89W–.02 10 154 0-10
ISCJB IX 25 16 03 32.9–.17 36.45N–.02 114.91W–.02 10 **¶601751133**
NEIC IX 25 16 03 33.1–.00 36.50N 114.85W 12 3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=148.7.
NEIC Event type fe. Felt [III] at Las Vegas, Logandale and Overton and [II] at North Las Vegas. Also felt at Boulder City, Henderson and Mesquite. Felt at Willow Beach, Arizona. After REN.

(48) Baja California

ISC IX 25 23 45 24.4–.42 24.77N–.03 110.18W–.03 8–2 6.2s,5.9b 2139 1-168
BJI IX 25 23 45 22.0 24.83N 110.21W 5 6.7b,6.3s **¶601740398**
ISCJB IX 25 23 45 23.7–.09 24.77N–.01 110.15W–.01 10 6.1s,5.9b
IDC IX 25 23 45 23.1–.29 24.82N 110.18W 0 5.9,5.9
MOS IX 25 23 45 24.5–1.1 24.75N 110.13W 20 6.2s,6.0b
NEIC IX 25 23 45 24.9–.11 24.67N 110.17W 10 6.3W,6.3W
MEX IX 25 23 45 25.7–.67 24.78N 110.23W 11–10 6.0,6.3W
GCMT IX 25 23 45 26.9–.00 24.92N 110.29W 12–0 6.3W,6.3W
NEIC IX 25 23 45 26.0–.00 24.84N 110.26W 25 6.3W,6.3W
NEIC IX 25 23 45 48.2–.00 25.46N 110.66W 25 6.3W,6.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=39.1.
IDC Error ellipse: s-maj=10.2km s-min=6.3km az=93.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=87.7.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=38.0. Felt [V] at La Paz; [III] at Cabo San Lucas, Los Cabos and Loreto; [II] at Todos Santos, Baja California Sur. Also felt at Constitucion and Santa Rosalia. Felt at Los Mochis, Sinaloa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.22 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$1.89 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s324.00000°,δ65.00000°,λ-125.00000°. NP2: ϕ_s203.00000°,δ42.00000°,λ-39.00000°. Principal axes: T 2.1200,Plg13.0000°,Azm78.0000° ; N -0.2800,Plg31.0000°,Azm340.0000°; P -1.8300,Plg56.0000°,Azm188.0000° $M_0$2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s186.00000°,δ48.00000°,λ-51.00000°. NP2:ϕ_s315.00000°,δ55.00000°,λ-125.00000°. Principal axes: T Plg4.0000°,Azm69.0000°; N Plg0.0000°,Azm0.0000°; P Plg62.0000° ,Azm166.0000°
MEX Error ellipse: s-maj=3.1km s-min=3.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c316; s136,c550; Duration: 3$\hat{s}$3 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.47±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$3.10±.01; $M_{r\theta}$1.01±.04; $M_{\theta\phi}$-0.88±.01; $M_{\phi r}$-0.41±.04; Best double couple: NP1:ϕ_s326.00000°,δ55.00000° ,λ-118.00000°. NP2:ϕ_s190.00000°,δ44.00000°,λ-56.00000°. Principal axes: T 3.3650,Plg6.0000°,Azm76.0000°; N -0.4530,Plg23.0000°,Azm343.0000° ; P -2.9170,Plg66.0000°,Azm180.0000° $M_0$3.14100×10^{18}
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.25 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$2.29 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.89 $M_{\phi r}$-1.60 Best double couple: NP1:ϕ_s326.00000° ,δ66.00000°,λ-104.00000°. NP2:ϕ_s178.00000°,δ27.00000°,λ-61.00000°. Principal axes: T 3.3100,Plg20.0000°,Azm66.0000°; N -0.1600,Plg12.0000°,Azm331.0000° ; P -3.1600,Plg65.0000°,Azm211.0000° $M_0$3.20000×10^{18}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.33 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$3.68 $M_{r\theta}$1.09 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s187.00000° ,δ58.00000°,λ-65.00000°. NP2:ϕ_s325.00000°,δ40.00000°,λ-124.00000°. Principal axes: T 4.1400,Plg10.0000°,Azm259.0000°; N -0.0500,Plg21.0000°,Azm353.0000° ; P -4.0800,Plg67.0000°,Azm146.0000° $M_0$4.10000×10^{18}

(228) Near east coast of eastern Honshu

JMA IX 26 00 08 24.4 36.62N 140.61E 10–1 3.6 ¶606036147
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s344.00000°,δ55.00000°,λ-45.00000°. NP2:ϕ_s104.00000°,δ55.00000°,λ-135.00000°. Principal axes: T Plg0.0000°,Azm44.0000°; N Plg35.0000°,Azm134.0000°; P Plg55.0000° ,Azm314.0000°

(48) Baja California

ISC IX 26 00 17 54.0–.37 24.78N–.04 110.27W–.05 10 4.9s,4.9b 626 1-140
ISCJB IX 26 00 17 52.9–.20 24.73N–.02 110.22W–.02 10 4.8s,4.8b **¶601740401**
MEX IX 26 00 17 52.9–.43 24.86N 110.32W 5 4.0,4.8b
IDC IX 26 00 17 52.3–.46 24.84N 110.22W 0 4.9,4.9s
NEIC IX 26 00 17 54.1–.21 24.63N 110.25W 10 4.9b,4.9s
GCMT IX 26 00 17 56.1–.40 24.86N–.02 110.37W–.02 19–1 5.3W,4.9s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at La Paz, Baja California Sur.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s91,c144;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.05 $M_{\theta\theta}$-0.96±.04; $M_{\phi\phi}$0.82±.04; $M_{r\theta}$-0.45±.10; $M_{\theta\phi}$-0.18±.03; $M_{\phi r}$0.26±.09; Best double couple: NP1:ϕ_s308.00000°,δ88.00000°,λ150.00000°. NP2:ϕ_s39.00000°,δ60.00000°,λ2.00000°. Principal axes: T 0.9710,Plg22.0000° ,Azm259.0000°; N 0.1540,Plg60.0000°,Azm125.0000°; P -1.1240,Plg19.0000° ,Azm358.0000° $M_0$1.04700×10^{17}

(48) Baja California

ISC IX 26 01 21 13.8–.45 24.82N–.04 110.25W–.05 10 4.5b 473 1-122
IDC IX 26 01 21 12.0–.66 24.83N 110.20W 0 4.5L,4.4 **¶601740404**
ISCJB IX 26 01 21 12.6–.27 24.76N–.03 110.22W–.02 10 4.4b,4.1s
NEIC IX 26 01 21 13.6–.38 24.65N 110.27W 10 4.4b,4.0
MEX IX 26 01 21 14.5–.32 24.84N 110.31W 16–11 4.0,4.0
ISC Event type fe.

IDC Error ellipse: s-maj=17.7km s-min=7.4km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.0km az=28.9.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.6km az=213.0. Felt at Cabo San Lucas and Loreto, Baja California Sur and at Los Mochis, Sinaloa.
MEX Error ellipse: s-maj=2.9km s-min=5.1km az=-1.0.

(99) Northern Colombia

ISC	**IX**	**26 02 22 23.2–.51**	**6.84N–.04**	**73.08W–.04**	**149–4**	**4.3b**	**299**	**0-150**
ISCJB	IX	26 02 22 23.2–.20	6.84N–.03	73.09W–.03	155–2	4.2b		**¶601751138**
IDC	IX	26 02 22 23.4–.53	6.82N	73.01W	150–6	4.0,3.8		
RSNC	IX	26 02 22 25.2–1.0	6.83N	73.14W	148–5	4.1W,4.1L		
NEIC	IX	26 02 22 25.2–.00	6.82N	73.14W	147	4.3b,4.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=40.1.
IDC Error ellipse: s-maj=13.5km s-min=7.1km az=128.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt at Bogota. After RSNC.

(34) Off coast of northern California

ISC	**IX**	**26 05 53 31.8–2.2**	**41.11N–.04**	**125.23W–.09**	**9–12**		**110**	**1-22**
IDC	IX	26 05 53 33.3–3.8	41.16N	125.01W	0	3.7,3.6L		**¶601864192**
NEIC	IX	26 05 53 34.0–.00	41.08N	125.28W	26	3.8W,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=43.3km s-min=23.3km az=112.0.
NEIC Event type fe. Felt at Arcata and Eureka. After NCEDC. Moment Tensor Solution. $M_0$7.10000×10^{14}

(48) Baja California

ISC	**IX**	**26 06 02 17.5–.56**	**24.65N–.05**	**110.10W–.07**	**15**	**4.3b**	**302**	**1-122**
IDC	IX	26 06 02 15.4–.72	24.82N	110.15W	0	4.2,4.1b		**¶601751139**
ISCJB	IX	26 06 02 16.0–.26	24.69N–.02	110.08W–.02	15	4.2b,3.5s		
MEX	IX	26 06 02 16.8–.47	24.82N	110.30W	10–11	3.9,3.5s		
NEIC	IX	26 06 02 17.6–.43	24.67N	110.10W	10	4.0b,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=7.7km az=103.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=37.3.
MEX Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.8km az=213.0. Felt at La Paz, Baja California Sur.

(173) Tonga Islands

ISC	**IX**	**26 06 45 22.0–1.2**	**19.01S–.06**	**175.31W–.05**	**202–11**	**5.0b**	**415**	**5-174**
BJI	IX	26 06 45 16.6	18.48S	174.78W	166	5.2b,5.2b		**¶601740412**
MOS	IX	26 06 45 16.9–2.1	18.78S	175.47W	151	5.0b,5.2b		
WEL	IX	26 06 45 17.0	18.85S	175.40W	163	5.0b,5.2b		
NEIC	IX	26 06 45 18.0–.93	18.85S	175.40W	163–8	5.0b,5.2b		
IDC	IX	26 06 45 17.1–2.1	18.84S	175.35W	153–19	5.3,4.9		
ISCJB	IX	26 06 45 18.6–.98	18.81S–.03	175.46W–.03	177–9	4.9b,4.9		
GCMT	IX	26 06 45 23.0–.40	18.93S–.04	174.88W–.03	222–4	5.0W,4.9		

ISC Event type fe.
WEL manual. confirmed.
NEIC Event type fe. Felt at Neiafu.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s62,c78;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.25 $M_{t\theta}$2.61±.28; $M_{\phi\phi}$-1.26±.23; $M_{r\theta}$-1.15±.22; $M_{\theta\phi}$1.54±.18; $M_{\theta r}$-3.64±.18; Best double couple: NP1:ϕ_s30.00000°,δ80.00000°,λ-123.00000°. NP2:ϕ_s285.00000°,δ34.00000°,λ-18.00000°. Principal axes: T 4.3850,Plg28.0000° ,Azm146.0000°; N 0.5700,Plg33.0000°,Azm36.0000°; P -4.9550,Plg45.0000°,Azm267.0000° $M_0$4.67000×10^{16}

(232) Western Honshu

JMA	**IX**	**26 07 38 53.7**	**35.43N**	**136.35E**	**11–1**	**2.6**	
							¶606036284

JMA Felt [I] J1.

(30) Off coast of Oregon

ISC	**IX**	**26 07 42 42.6–1.1**	**43.07N–.06**	**126.32W–.06**	**18–4**	**4.5b,3.9s**	**421**	**2-128**
ISCJB	IX	26 07 42 40.0–.83	43.16N–.02	126.34W–.03	7–5	4.4b,3.8s		**¶601740414**
IDC	IX	26 07 42 39.4–.62	43.21N	126.31W	0	4.2,4.1		
GCMT	IX	26 07 42 41.2–.30	43.02N–.02	126.69W–.02	12–1	4.8W,4.1		
NEIC	IX	26 07 42 42.1–.26	43.18N	126.41W	10	4.5b,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.4km az=164.3.
IDC Error ellipse: s-maj=17.1km s-min=9.1km az=33.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s5,c6; s88,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.08 $M_{t\theta}$-1.34±.07; $M_{\phi\phi}$1.50±.07; $M_{r\theta}$-1.06±.28; $M_{\theta\phi}$-1.24±.06; $M_{\theta r}$0.19±.18; Best double couple: NP1:ϕ_s116.00000°,δ84.00000°,λ-151.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ-7.00000°. Principal axes: T 2.1140,Plg15.0000° ,Azm246.0000°; N 0.1180,Plg60.0000°,Azm127.0000°; P -2.2330,Plg25.0000° ,Azm343.0000° $M_0$2.17300×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=62.0. Felt at Coquille.

(456) Montana

ISC	**IX**	**26 17 22 11.6–.94**	**45.08N–.07**	**106.99W–.05**	**0**		**9**	**2-90**
ISCJB	IX	26 17 22 12.3–.75	45.17N–.09	106.8W–.10	0			**¶601864222**
IDC	IX	26 17 22 13.0–1.3	44.83N	106.75W	0	3.6,3.4		
NEIC	IX	26 17 22 13.5–.76	45.14N	106.87W	0	2.4L,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=14.6km s-min=9.5km az=148.5.
IDC Error ellipse: s-maj=66.7km s-min=8.9km az=137.0.
NEIC Event type sm. Error ellipse: s-maj=14.6km s-min=9.6km az=151.0. 39 km [24 miles] N of Sheridan. Suspected Mining explosion.

(123) Northern Chile

ISC	**IX**	**26 17 45 00.5–.28**	**22.30S–.03**	**68.63W–.03**	**113–2**	**5.3b**	**1235**	**0-174**
ISCJB	IX	26 17 44 58.8–.13	22.14S–.02	68.47W–.03	112	5.3b		**¶601741012**
MOS	IX	26 17 44 58.1–1.3	22.25S	68.43W	99	5.3b		
GUC	IX	26 17 44 59.7–.54	22.30S	68.66W	115–4	5.0L		
SJA	IX	26 17 44 59.1–.78	22.23S	68.40W	205–38	4.6W,4.5L		
IDC	IX	26 17 45 00.6–.56	22.26S	68.42W	112–4	5.1,4.8		
NEIC	IX	26 17 45 00.6–.12	22.26S	68.44W	112	5.3b,5.1L		
BJI	IX	26 17 45 01.6	22.30S	68.50W	108	5.5b,5.1L		
GCMT	IX	26 17 45 02.6–.20	22.35S–.02	68.71W–.02	130–1	5.2W,5.1L		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Calama and [II] at San Pedro de Atacama and Tocopilla.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c74; s96,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.13±.14 $M_{t\theta}$0.04±.18; $M_{\phi\phi}$6.10±.23; $M_{r\theta}$-0.25±.13; $M_{\theta\phi}$-2.29±.19; $M_{\theta r}$-2.80±.18; Best double couple: NP1:ϕ_s351.00000°,δ57.00000°,λ-78.00000°. NP2:ϕ_s151.00000°,δ35.00000°,λ-107.00000°. Principal axes: T 7.3650,Plg11.0000° ,Azm73.0000°; N -0.5330,Plg10.0000°,Azm165.0000°; P -6.8230,Plg75.0000° ,Azm296.0000° $M_0$7.09400×10^{16}

(7) Andreanof Islands

ISC	**IX**	**26 23 39 56.5–.32**	**51.54N–.03**	**178.18W–.02**	**27–1**	**6.5s,6.1b**	**2783**	**0-160**
BJI	IX	26 23 39 54.0	51.61N	178.22W	31	6.7s,6.6		**¶601741086**
ISCJB	IX	26 23 39 55.8–.31	51.62N–.02	178.19W–.01	33–2	6.5s,6.0b		
NEIC	IX	26 23 39 55.1–.07	51.59N	178.30W	16	6.5s,6.5		
MOS	IX	26 23 39 56.2–1.1	51.63N	178.22W	37	6.4s,6.1b		
IDC	IX	26 23 39 56.5–.85	51.70N	178.22W	25–4	6.3s,6.3		
NEIC	IX	26 23 39 58.0–.00	51.28N	178.20W	23	6.3s,6.3		
GCMT	IX	26 23 39 59.1–.00	51.56N	178.08W	15–0	6.5W,6.3		
NEIC	IX	26 23 40 13.8–.00	51.63N	178.31W	22	6.5W,6.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=179.4.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=170.0. Felt [VII] on Adak. Also felt on Atka. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s12 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.98 $M_{t\theta}$-1.33 $M_{\phi\phi}$3.31 $M_{r\theta}$2.19 $M_{\theta r}$-2.19 $M_{\theta r}$0.98 Best double couple: NP1:ϕ_s302.00000° ,δ60.00000°,λ-147.00000°. NP2:ϕ_s194.00000°,δ62.00000°,λ-35.00000°. Principal axes: T 4.1800,Plg1.0000°,Azm249.0000°; N 0.3100,Plg46.0000°,Azm340.0000° ; P -4.4900,Plg44.0000°,Azm158.0000° $M_0$4.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s330.00000°,δ54.00000°,λ-149.00000°. NP2: ϕ_s220.00000°,δ65.00000°,λ-40.00000°. Principal axes: T Plg6.0000°,Azm277.0000° ; N Plg0.0000°,Azm0.0000°; P Plg45.0000°,Azm180.0000°
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=100.1.
IDC Error ellipse: s-maj=8.6km s-min=5.5km az=163.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.21 $M_{t\theta}$-2.13 $M_{\phi\phi}$4.35 $M_{r\theta}$1.33 $M_{\theta\theta}$-2.03 $M_{\theta r}$2.37 Best double couple: NP1:ϕ_s199.00000° ,δ72.00000°,λ-44.00000°. NP2:ϕ_s306.00000°,δ48.00000°,λ-155.00000°. Principal axes: T 5.4400,Plg14.0000°,Azm257.0000°; N -0.8400,Plg42.0000°,Azm1.0000° ; P -4.5900,Plg43.0000°,Azm152.0000° $M_0$5.10000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c351; s143,c610; Duration: 4s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.07±.03 $M_{t\theta}$-1.91±.03; $M_{\phi\phi}$4.98±.02; $M_{r\theta}$4.04±.10; $M_{\theta\phi}$-2.73±.02; $M_{\theta r}$1.97±.08; Best double couple: NP1:ϕ_s197.00000°,δ63.00000° ,λ-39.00000°. NP2:ϕ_s307.00000°,δ56.00000°,λ-147.00000°. Principal axes: T 5.9720,Plg4.0000°,Azm253.0000°; N 1.4680,Plg44.0000°,Azm347.0000° ; P -7.4400,Plg46.0000°,Azm158.0000° $M_0$6.70600×10^{18}
NEIC Event type se. Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.34 $M_{t\theta}$-1.76 $M_{\phi\phi}$5.10 $M_{r\theta}$1.22 $M_{\theta\theta}$-2.52 $M_{\theta r}$1.72 Best double couple: NP1:ϕ_s192.00000° ,δ63.00000°,λ-47.00000°. NP2:ϕ_s309.00000°,δ49.00000°,λ-142.00000°. Principal axes: T 6.1000,Plg8.0000°,Azm253.0000°; N -1.3000,Plg37.0000°,Azm349.0000° ; P -4.7900,Plg52.0000°,Azm153.0000° $M_0$5.50000×10^{18}

(390) Southern Italy

ISC	**IX**	**27 01 08 23.6–.66**	**41.18N–.02**	**14.90E–.02**	**11–4**	**4.5b**	**748**	**0-127**
TIR	IX	27 01 08 18.4	41.60N	14.98E	10	4.5		**¶606542152**
BJI	IX	27 01 08 21.5	41.20N	15.00E	5	5.2s,4.9		
MOS	IX	27 01 08 22.4–1.1	41.26N	14.96E	12	4.5b,4.9		
NEIC	IX	27 01 08 22.5–.00	41.17N	14.95E	6	4.6b,4.1L		
PDG	IX	27 01 08 22.9–.84	41.19N	15.00E	3–1	4.2L,4.1L		
LDG	IX	27 01 08 22.6–.10	41.19N	15.03E	2	3.7L,4.1L		
IDC	IX	27 01 08 22.1–.60	41.22N	14.88E	0	4.1,4.1		
IASPE	IX	27 01 08 22.6–.83	41.18N–.02	14.92E–.02	17–5	4.5b,4.1		
ISCJB	IX	27 01 08 22.6–.19	41.205N–.01	14.93E–.01	15–2	4.7s,4.4b		
ROM	IX	27 01 08 22.6–.10	41.176N–.01	14.921E–.01	10–0	4.2L,4.4b		
PRU	IX	27 01 08 23.7–.00	41.27N	15.18E	0	4.6,4.4b		
BEO	IX	27 01 08 25.6–.80	41.35N	15.08E	5	4.0L,4.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=4.8km s-min=3.5km az=87.1.
NEIC Event type fe. Felt [IV] at Avellino, Ariano Irpino, Benevento, Mirabella Eclano, Paduli, San Marco dei Cavoti and San Nicola Manfredi; [III] at Campobasso, Foggia and Grottaminarda; [II] at Cassino, Naples, Potenza and Salerno. Felt in much of Campania and in parts of Abruzzo, Apulia, Basilicata, Molise and Lazio. After ROM.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=42.0.
IDC Error ellipse: s-maj=11.9km s-min=10.3km az=93.0.
IASPE Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=44.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=43.6.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.

(248) Philippine Islands region

ISC	**IX**	**27 03 47 12.1–.67**	**15.16N–.04**	**122.92E–.04**	**32–5**	**4.3b**	**96**	**1-117**
ISCJB	IX	27 03 47 10.9–1.3	15.23N–.03	123.00E–.04	31–10	4.3b,3.7s		**¶601864259**
MAN	IX	27 03 47 11.5	15.27N	122.90E	22	5.4b,4.6s		
NEIC	IX	27 03 47 12.4–.83	15.13N	123.06E	33–6	4.5b,4.6s		
IDC	IX	27 03 47 12.5–.79	15.12N	122.95E	30–5	5.0L,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=173.1.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.3km az=76.0. Felt [II PIVS] at Guinayangan, Luzon.
IDC Error ellipse: s-maj=21.1km s-min=13.8km az=78.0.

(48) Baja California

ISC	**IX**	**27 15 36 02.4–.57**	**24.80N–.04**	**110.48W–.06**	**10**	**4.3b,3.8s**	**279**	**1-97**
ISCJB	IX	27 15 35 59.9–.32	24.82N–.03	110.56W–.04	10	4.3b,3.8s		**¶601767268**
MEX	IX	27 15 36 03.2–.44	24.89N	110.50W	17–73	4.0,3.8s		
IDC	IX	27 15 36 03.7–1.1	24.65N	109.92W	0	4.2,4.0L		
NEIC	IX	27 15 36 03.1–.00	24.89N	110.52W	16	4.2b,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.9km az=150.3.
MEX Error ellipse: s-maj=4.7km s-min=11.6km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=7.7km az=119.0.
NEIC Event type fe. Felt at La Paz, Baja California Sur. After MEX.

(123) Northern Chile

ISC	**IX**	**27 16 39 00.9–.60**	**20.08S–.03**	**69.16W–.06**	**101–5**	**4.7b**	**166**	**0-166**
ISCJB	IX	27 16 38 59.8–.27	20.03S–.02	69.08W–.05	110–2	4.6b		**¶601751151**
NEIC	IX	27 16 39 00.0–.00	20.08S	69.25W	100	4.7b,4.3L		
GUC	IX	27 16 39 00.9–.78	20.08S	69.26W	100–3	4.2L,4.3L		
IDC	IX	27 16 39 03.7–2.1	20.00S	68.91W	121–17	4.4,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.0km az=172.9.
NEIC Event type fe. Felt [III] at Pica and [II] at Camina and Iquique. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=20.2km s-min=13.6km az=68.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**27 17 38 44.7–1.4**	**38.41N–.05**	**142.32E–.06**	**27–9**	**4.4b,4.0s**	**132**	**1-145**
NIED	IX	27 17 38 00	38.40N	142.20E	32	4.5W,4.0s		**¶601751834**
BJI	IX	27 17 38 42.8	38.07N	142.16E	29	5.1b,4.5b		
JMA	IX	27 17 38 45.4–.10	38.42N	142.21E	36–1	4.5,4.5b		
ISCJB	IX	27 17 38 45.0–.65	38.41N–.03	142.26E–.05	41–4	4.3b,3.9s		
MOS	IX	27 17 38 45.3–1.4	38.43N	142.39E	46	4.6b,3.9s		
IDC	IX	27 17 38 48.9–1.7	38.37N	142.16E	60–14	4.2,4.1		
NEIC	IX	27 17 38 48.0–.89	38.40N	142.24E	54–7	4.3b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ18.00000°,λ-150.00000°. NP2:ϕ_s193.00000°,δ81.00000°,λ-74.00000°. $M_0$5.36000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=23.2.
MOS Error ellipse: s-maj=8.4km s-min=5.6km az=95.6.
IDC Error ellipse: s-maj=15.3km s-min=11.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.0km az=127.0. Recorded [2 JMA] in Iwate and Miyagi.

(456) Montana

ISC	**IX**	**27 17 53 07.1–1.0**	**45.03N–.09**	**106.90W–.05**	**0**		**9**	**2-9**
ISCJB	IX	27 17 53 08.4–.79	45.25N–.08	106.9W–.10	0			**¶601864301**
NEIC	IX	27 17 53 09.2–.61	45.24N	106.91W	0	2.7L		
IDC	IX	27 17 53 09.1–1.1	44.78N	106.64W	0	3.5,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.2km s-min=9.9km az=146.4.
NEIC Event type sm. Error ellipse: s-maj=10.4km s-min=8.1km az=147.0. 49 km [30 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=58.9km s-min=8.5km az=138.0.

(228) Near east coast of eastern Honshu

JMA	**IX**	**27 18 40 01.0–.10**	**35.85N**	**140.48E**	**36–1**	**3.1**		
								¶606036901

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(460) Wyoming

ISC	**IX**	**27 21 00 35.1–.70**	**43.82N–.03**	**105.30W–.03**	**0**		**49**	**1-90**
IDC	IX	27 21 00 32.6–2.4	43.46N	105.26W	0	3.9,3.8		**¶601864310**
ISCJB	IX	27 21 00 33.8–.37	43.83N–.03	105.29W–.03	0	3.9b,3.5s		
NEIC	IX	27 21 00 34.4–.80	43.79N	105.19W	0	3.3L,3.5s		

ISC Event type sm.
IDC Error ellipse: s-maj=62.4km s-min=8.8km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=3.7km s-min=3.6km az=155.5.
NEIC Event type sm. Error ellipse: s-maj=14.1km s-min=6.7km az=147.0. 61 km [38 miles] SSE of Gillette. Suspected Mining explosion.

(123) Northern Chile

ISC	**IX**	**27 22 18 23.1–.28**	**22.92S–.03**	**68.91W–.03**	**103–2**	**4.8b**	**685**	**0-169**
SJA	IX	27 22 18 16.6–.83	22.67S	69.00W	231–36	4.2W,4.2L		**¶601751837**
ISCJB	IX	27 22 18 20.7–.27	22.81S–.02	68.61W–.04	101–2	4.8b,4.2L		
IDC	IX	27 22 18 23.4–.34	22.84S	68.54W	105–2	4.6,4.3		
NEIC	IX	27 22 18 23.0–.00	22.88S	68.95W	102	4.8b,4.7L		
GUC	IX	27 22 18 23.4–.57	22.88S	68.95W	102–4	4.7L,4.7L		
BJI	IX	27 22 18 24.0	22.90S	68.90W	102	5.2b,4.7L		

ISC Event type fe.
SJA Error ellipse: s-maj=7.4km s-min=18.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=157.2.
IDC Error ellipse: s-maj=12.3km s-min=9.7km az=77.0.
NEIC Event type fe. Felt [III] at Calama. Also felt at San Pedro de Atacama. After GUC. Moment Tensor Solution. Best double couple: NP1:ϕ_s168.00000°,δ28.00000°,λ-117.00000°. NP2: ϕ_s18.00000°,δ66.00000°,λ-76.00000°. Principal axes: T 1.0800,Plg20.0000°,Azm98.0000° ; N -0.0200,Plg12.0000°,Azm193.0000°; P -1.0700,Plg67.0000°,Azm313.0000°
GUC Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.

(136) Central Chile

ISC	**IX**	**27 23 07 26.4–.50**	**28.39S–.03**	**70.17W–.04**	**100–4**	**4.5b**	**84**	**1-160**
NEIC	IX	27 23 07 26.0–.00	28.48S	70.08W	99	4.7L,4.6b		**¶601751838**
GUC	IX	27 23 07 26.7–.69	28.48S	70.08W	99–10	4.7L,4.6b		
IDC	IX	27 23 07 26.7–.63	28.48S	69.73W	89–5	4.4,4.2		
SJA	IX	27 23 07 26.9–.72	28.46S	70.01W	149–7	4.4W,4.2L		

ISC Event type fe.
NEIC Event type fe. Felt [V] at Tierra Amarilla, [IV] at Copiapo and [II] at La Higuera and Paiguano. After GUC.
GUC Error ellipse: s-maj=4.9km s-min=16.6km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=15.8km az=104.0.
SJA Error ellipse: s-maj=3.7km s-min=7.0km az=-1.0.

(193) Bougainville-Solomon Islands region

ISC	**IX**	**27 23 53 49.7–.83**	**8.85S–.04**	**157.52E–.04**	**14–4**	**5.5b,5.4s**	**649**	**2-163**
IDC	IX	27 23 53 46.4–.38	8.76S	157.50E	0	5.2,5.2		**¶601751839**
ISCJB	IX	27 23 53 47.6–.11	8.85S–.02	157.45E–.02	10	5.4b,5.4s		
BJI	IX	27 23 53 48.3	8.80S	157.50E	10	5.9b,5.7s		
NEIC	IX	27 23 53 49.0–.00	8.82S	157.46E	11	5.9b,5.7s		
NEIC	IX	27 23 53 49.0–.14	8.84S	157.46E	10	6.0W,5.8W		
MOS	IX	27 23 53 50.3–1.5	8.71S	157.29E	23	5.6b,5.3s		
GCMT	IX	27 23 53 53.0–.10	8.99S–.01	157.50E–.01	12	5.8W,5.3s		
NEIC	IX	27 23 54 01.7–.00	8.30S	156.70E	10	5.8W,5.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=177.3.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-3.15 $M_{r\theta}$3.64 $M_{\theta\phi}$1.38 $M_{\phi r}$-3.33 Best double couple: NP1:ϕ_s138.00000° ,δ73.00000°,λ77.00000°. NP2:ϕ_s356.00000°,δ21.00000°,λ126.00000°. Principal axes: T 6.1900,Plg60.0000°,Azm29.0000°; N -0.2100,Plg12.0000°,Azm141.0000° ; P -5.9800,Plg26.0000°,Azm238.0000° $M_0$6.10000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.2km az=133.0. Felt at Gizo. Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ86.00000°,λ91.00000°. NP2: ϕ_s315.00000°,δ4.00000°,λ80.00000°. Principal axes: T 1.0200,Plg49.0000°,Azm56.0000° ; N 0.0600,Plg1.0000°,Azm325.0000°; P -1.0800,Plg41.0000°,Azm234.0000°
MOS Error ellipse: s-maj=9.1km s-min=7.8km az=101.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c234; s139,c389; Duration: 1$\dagger$9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.54±.03 $M_{\theta\theta}$-1.12±.03; $M_{\phi\phi}$-2.42±.03; $M_{r\theta}$2.35±.09; $M_{\theta\phi}$1.88±.03; $M_{\phi r}$-4.03±.09; Best double couple: NP1:ϕ_s149.00000°,δ71.00000° ,λ93.00000°. NP2:ϕ_s320.00000°,δ19.00000°,λ82.00000°. Principal axes: T 5.8240,Plg64.0000°,Azm63.0000°; N 0.1990,Plg3.0000°,Azm328.0000° ; P -6.0230,Plg26.0000°,Azm236.0000° $M_0$5.92400×10^{17}
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}3.32 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.47 $M_{\theta\phi}$1.87 $M_{\phi r}$-4.83 Best double couple: NP1:ϕ_s166.00000° ,δ74.00000°,λ106.00000°. NP2:ϕ_s301.00000°,δ23.00000°,λ47.00000°. Principal axes: T 6.2200,Plg58.0000°,Azm98.0000°; N -0.5700,Plg15.0000°,Azm342.0000° ; P -5.6500,Plg27.0000°,Azm244.0000° $M_0$5.90000×10^{17}

(137) San Juan Province

ISC	**IX**	**28 03 11 51.5–.46**	**31.43S–.04**	**68.02W–.04**	**111–4**	**4.1b**	**102**	**0-153**
ISCJB	IX	28 03 11 50.7–.28	31.44S–.02	68.02W–.04	115–2	4.1b		**¶601757210**
NEIC	IX	28 03 11 50.3–.43	31.43S	67.92W	96–4	4.3,4.1b		
SJA	IX	28 03 11 51.4–.64	31.44S	68.03W	103–3	4.3W,4.3L		
IDC	IX	28 03 11 51.9–.49	31.40S	67.93W	109–4	4.2,4.0		
GUC	IX	28 03 11 52.2–.61	31.47S	68.27W	145–31	4.5L,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=13.7.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.7km az=91.0. Felt [III] at San Juan.
SJA Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=12.1km az=94.0.
GUC Error ellipse: s-maj=2.7km s-min=14.7km az=-1.0.

(116) Central Peru

ISC	**IX**	**28 04 39 00.3–.53**	**11.78S–.07**	**76.22W–.07**	**100**	**4.2b**	**44**	**1-156**
ISCJB	IX	28 04 38 59.4–.43	11.77S–.05	76.33W–.07	100	4.1b		**¶601767269**
IDC	IX	28 04 39 00.2–.65	11.79S	76.35W	93–8	4.1,3.9		
NEIC	IX	28 04 39 01.0–.00	11.83S	76.48W	100	4.4L,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=6.5km az=156.7.
IDC Error ellipse: s-maj=23.6km s-min=15.9km az=35.0.
NEIC Event type fe. Felt [III] at Chosica, Lima, Matucana, Ricardo Palma and San Mateo. Also felt at La Molina. After ARE.

(72) Honduras

NEIC	**IX**	**28 05 03 33.0–.00**	**13.33N**	**87.82W**	**6**	**3.6**		**¶601880045**

NEIC Event type fe. Felt [II] at La Union. After SNET.

(228) Near east coast of eastern Honshu

ISC	**IX**	**28 05 46 50.1–1.1**	**36.84N–.03**	**140.65E–.06**	**12–8**		**19**	**0-57**
NIED	IX	28 05 46 00	36.80N	140.70E	5	3.5W		**¶601864333**
ISCJB	IX	28 05 46 50.0–.71	36.84N–.03	140.68E–.06	7–5	3.6b		
JMA	IX	28 05 46 50.4	36.85N	140.64E	9–1	3.8		
IDC	IX	28 05 46 51.0–1.4	36.41N	140.57E	0	3.9,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ51.00000°,λ-48.00000°. NP2:ϕ_s316.00000°,δ54.00000°,λ-130.00000°. $M_0$2.03000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.0km az=19.8.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s215.00000°,δ80.00000°,λ-83.00000°. NP2:ϕ_s359.00000°,δ12.00000°,λ-125.00000°. Principal axes: T Plg35.0000°,Azm299.0000°; N Plg7.0000°,Azm34.0000°; P Plg54.0000° ,Azm133.0000°
IDC Error ellipse: s-maj=31.0km s-min=25.4km az=159.0.

(233) Near south coast of western Honshu

ISC	**IX**	**28 07 55 57.6–1.1**	**33.85N–.06**	**135.32E–.03**	**52–7**	**3.4b**	**32**	**0-44**
ISCJB	IX	28 07 55 56.6–.57	33.87N–.05	135.31E–.03	57–5	3.4b		**¶601864343**
JMA	IX	28 07 55 57.7	33.88N	135.35E	53–1	3.3		
IDC	IX	28 07 55 58.3–2.9	33.89N	135.21E	47–22	3.5,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.1km az=164.6.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s355.00000°,δ85.00000°,λ-60.00000°. NP2:ϕ_s94.00000°,δ31.00000°,λ-170.00000°. Principal axes: T Plg33.0000°,Azm60.0000°; N Plg30.0000°,Azm172.0000°; P Plg42.0000° ,Azm294.0000°
IDC Error ellipse: s-maj=38.7km s-min=18.1km az=155.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**28 10 10 12.7–2.1**	**39.10N–.05**	**142.38E–.09**	**24–13**	**3.6b**	**24**	**1-63**
NIED	IX	28 10 10 00	39.10N	142.50E	35	3.8W		**¶601864349**
ISCJB	IX	28 10 10 10.7–1.3	39.06N–.04	142.50E–.08	22–7	3.6b,2.6s		
JMA	IX	28 10 10 12.2–.10	39.11N	142.43E	29–1	3.8,2.6s		
IDC	IX	28 10 10 16.2–3.5	39.04N	142.41E	59–32	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ41.00000°,λ-110.00000°. NP2:ϕ_s168.00000°,δ52.00000°,λ-73.00000°. $M_0$5.00000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.2km az=10.7.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=48.3km s-min=26.1km az=88.0.

(216) Mariana Islands

ISC	**IX**	**28 12 11 48.1–.51**	**13.44N–.05**	**144.59E–.07**	**112–4**	**4.5b**	**189**	**0-152**
BJI	IX	28 12 11 45.7	13.35N	144.63E	115	5.3b,4.6b		**¶601757213**
ISCJB	IX	28 12 11 47.8–.48	13.49N–.04	144.43E–.04	115–4	4.5b,4.6b		
DJA	IX	28 12 11 48.1–.50	14N–6.0	145E–8.0	108–7	5.0b,4.5		
IDC	IX	28 12 11 48.0–.44	13.61N	144.66E	112–4	4.4,4.2		
NEIC	IX	28 12 11 49.4–.50	13.50N	144.46E	121–4	4.6b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=6.0km az=146.9.
IDC Error ellipse: s-maj=16.6km s-min=10.6km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.6km az=120.0. Felt [III] at Santa Rita and Yigo and [II] at Barrigada. Also felt at Agat, Asan, Dededo, Tamuning and Yona.

(250) Mindoro

ISC	**IX**	**28 14 25 45.6–.46**	**13.75N–.03**	**120.57E–.04**	**116–4**	**4.7b**	**267**	**0-151**
MAN	IX	28 14 25 44.6	13.76N	120.46E	93	5.1b,4.1L		**¶601757217**
MOS	IX	28 14 25 44.5–.95	13.85N	120.71E	120	4.6b,4.1L		
IDC	IX	28 14 25 44.5–.42	13.71N	120.71E	111–3	4.6,4.3		
ISCJB	IX	28 14 25 45.0–.23	13.80N–.02	120.73E–.03	125–2	4.7b,4.3		
BJI	IX	28 14 25 45.8	13.81N	120.90E	144	5.2b,4.8b		
NEIC	IX	28 14 25 46.4–.66	13.76N	120.76E	130–6	4.7b,4.8b		
DJA	IX	28 14 25 50.4–1.2	14N–8.0	121E–7.0	162–8	5.2b,4.6b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Batangas, Luzon. Also felt at Manila and San Pascual. Felt [II PIVS] at Puerto Galera, Mindoro. Also felt at San Teodoro.

(48) Baja California

ISC	**IX**	**28 15 24 53.1–.56**	**24.94N–.06**	**110.22W–.04**	**10**	**4.8b,4.5s**	**426**	**3-128**
ISCJB	IX	28 15 24 50.8–.41	24.77N–.04	110.21W–.02	10	4.6b,4.4s		**¶601757218**
NEIC	IX	28 15 24 51.0–.00	24.84N	110.25W	10	4.6b,4.4		
MEX	IX	28 15 24 51.5–.31	24.89N	110.24W	3–25	4.3,4.4		
IDC	IX	28 15 24 51.9–.82	25.03N	110.18W	0	4.6,4.4b		
GCMT	IX	28 15 24 54.0–.30	24.85N–.01	110.29W–.01	19–1	5.1W,4.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at La Paz, Baja California Sur. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c45; s105,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.26±.16 $M_{\theta\theta}$-5.43±.15; $M_{\phi\phi}$5.17±.15; $M_{r\theta}$-3.16±.38; $M_{\theta\phi}$-2.22±.13; $M_{\phi r}$0.00±.29; Best double couple: NP1:ϕ_s125.00000°,δ80.00000°,λ-158.00000°. NP2:ϕ_s31.00000°,δ68.00000°,λ-11.00000°. Principal axes: T 5.7010,Plg8.0000° ,Azm257.0000°; N 1.4680,Plg66.0000°,Azm149.0000°; P -7.1730,Plg23.0000° ,Azm350.0000° $M_0$6.43700×10^{16}

(91) Virgin Islands

ISC	**IX**	**28 15 36 27.1–.35**	**19.61N–.04**	**64.50W–.03**	**27**	**4.5b,3.8s**	**221**	**1-162**
IDC	IX	28 15 36 23.8–.44	19.44N	64.45W	0	4.5,4.4		**¶601757220**
ISCJB	IX	28 15 36 26.1–.17	19.54N–.02	64.44W–.02	27	4.5b,3.7s		
NEIC	IX	28 15 36 26.6–.00	19.63N	64.43W	10	4.6b,4.1		
RSPR	IX	28 15 36 26.9	19.63N	64.43W	10–4	4.1,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=10.8km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=148.1.
NEIC Event type fe. Felt at San Juan, Puerto Rico. After RSPR.
RSPR Event type ke.

(227) Eastern Honshu

ISC	**IX**	**28 21 56 10.9–1.0**	**40.10N–.07**	**140.61E–.05**	**15–7**		**15**	**0-72**
NIED	IX	28 21 56 00	40.00N	140.50E	11	3.4W		**¶601864371**
IDC	IX	28 21 56 07.2–1.8	39.91N	140.67E	0	3.5,3.5		
ISCJB	IX	28 21 56 09.8–.68	40.11N–.05	140.52E–.07	19–7	3.5s,3.3b		
JMA	IX	28 21 56 10.1	40.04N	140.54E	9–1	3.6,3.3b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ20.00000°,λ108.00000°. NP2:ϕ_s167.00000°,δ71.00000°,λ83.00000°. $M_0$1.56000×10^{14}
IDC Error ellipse: s-maj=35.5km s-min=18.1km az=121.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=8.2km az=154.1.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s134.00000°,δ64.00000°,λ100.00000°. NP2:ϕ_s291.00000°,δ27.00000°,λ70.00000°. Principal axes: T Plg69.0000°,Azm64.0000°; N Plg9.0000°,Azm309.0000°; P Plg19.0000° ,Azm216.0000°

(496) New Mexico

NEIC	**IX**	**29 00 59 48.2–.23**	**34.68N**	**106.82W**	**5**	**3.5L**		**¶601767276**

NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=70.0. Felt [II] at Belen and Los Lunas. Also felt at Albuquerque, Bosque Farms, Jarales and Rio Rancho.

(58) Near coast of Guerrero

ISC	**IX**	**29 07 11 11.6–.84**	**16.10N–.04**	**98.62W–.03**	**13–4**	**5.3b,4.9s**	**1263**	**1-155**
IDC	IX	29 07 11 09.1–.64	16.09N	98.50W	0	4.7,4.7		**¶601767112**
MEX	IX	29 07 11 10.6–.45	15.88N	98.67W	17–13	5.5,4.7		
NEIC	IX	29 07 11 12.9–.16	16.30N	98.39W	12	5.7,5.5W		
ISCJB	IX	29 07 11 12.5–.79	16.37N–.02	98.32W–.02	19–5	5.2b,4.9s		
MOS	IX	29 07 11 13.3–1.0	16.45N	98.38W	20	5.5b,4.9s		
GCMT	IX	29 07 11 13.9–.20	16.17N–.01	98.52W–.01	12	5.3W,4.9s		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Mexico. Also felt at Acatzingo, Chilpancingo, Coacalco, Cuajinicuilapa, Ecatepec, Huixquilucan, Naucalpan, Pinotepa Nacional and Puebla. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.56 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s109.00000°,δ74.00000°,λ86.00000°. NP2:ϕ_s304.00000° ,δ17.00000°,λ104.00000°. Principal axes: T 1.9300,Plg61.0000°,Azm13.0000° ; N 0.0400,Plg4.0000°,Azm110.0000°; P -1.9700,Plg28.0000°,Azm203.0000° $M_0$2.00000×10^{17}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c149; s119,c237;Duration: 1$\dagger$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.01 $M_{\theta\theta}$-0.87±.01; $M_{\phi\phi}$-0.08±.01; $M_{r\theta}$0.62±.04; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.58±.04; Best double couple: NP1:ϕ_s123.00000°,δ66.00000°,λ103.00000°. NP2:ϕ_s273.00000°,δ27.00000°,λ63.00000°. Principal axes: T 1.3190,Plg66.0000° ,Azm57.0000°; N -0.0790,Plg12.0000°,Azm298.0000°; P -1.2390,Plg20.0000° ,Azm204.0000° $M_0$1.27900×10^{17}

(228) Near east coast of eastern Honshu

ISC	**IX**	**29 07 34 43.2–.69**	**35.52N–.04**	**141.13E–.07**	**33**	**4.4b**	**60**	**0-152**
NIED	IX	29 07 34 00	35.60N	141.10E	41	4.2W		**¶601768532**
BJI	IX	29 07 34 40.2	35.41N	141.31E	32	4.9b,4.6b		
ISCJB	IX	29 07 34 40.9–.48	35.53N–.04	141.29E–.06	33	4.3b,4.3s		
JMA	IX	29 07 34 43.3–.10	35.56N	141.04E	36–1	3.6,4.3s		
NEIC	IX	29 07 34 45.1–1.1	35.48N	140.99E	48–8	4.6b,4.3s		
IDC	IX	29 07 34 45.1–2.6	35.47N	140.99E	49–22	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ16.00000°,λ83.00000°. NP2:ϕ_s7.00000°,δ74.00000°,λ92.00000°. $M_0$2.65000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=164.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s63.00000°,δ72.00000°,λ82.00000°. NP2: ϕ_s269.00000°,δ19.00000°,λ114.00000°. Principal axes: T Plg62.0000°,Azm321.0000° ; N Plg8.0000°,Azm66.0000°; P Plg27.0000°,Azm160.0000°
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.3km az=74.0.
IDC Error ellipse: s-maj=33.4km s-min=12.2km az=82.0.

(230) Near south coast of eastern Honshu

ISC	**IX**	**29 10 49 13.2–.90**	**34.99N–.04**	**139.96E–.05**	**63–6**	**3.6b**	**32**	**0-64**
NIED	IX	29 10 49 00	35.00N	140.00E	59	4.0W		**¶601857487**
IDC	IX	29 10 49 10.4–1.2	34.42N	138.45E	0	3.8,3.7L		
JMA	IX	29 10 49 11.8–.10	34.98N	139.95E	71–2	3.6,3.7L		
ISCJB	IX	29 10 49 12.0–.50	34.99N–.04	139.98E–.05	69–4	3.6b,3.7L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ55.00000°,λ165.00000°. NP2:ϕ_s205.00000°,δ78.00000°,λ36.00000°. $M_0$9.57000×10^{14}
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s205.00000°,δ81.00000°,λ39.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ169.00000°. Principal axes: T Plg33.0000°,Azm74.0000°; N Plg51.0000°,Azm216.0000°; P Plg19.0000° ,Azm331.0000°
ISCJB Event type fe.

(45) California-Baja California border region

ECX	**IX**	**29 13 14 32.5–.67**	**32.16N**	**115.23W**	**9**	**2.9L,2.7**		
NEIC	IX	29 13 14 32.6–.00	32.16N	115.23W	9	2.9,2.5L		**¶601883521**

ECX Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
NEIC Event type fe. Felt at Guadalupe Victoria. After ECX.

(250) Mindoro

ISC	**IX**	**29 14 12 01.5–.41**	**13.84N–.03**	**120.66E–.04**	**153–3**	**4.9b**	**372**	**0-177**
GCMT	IX	29 14 12 00.5–.30	14.03N–.02	120.64E–.02	152–3	5.0W		**¶601767293**
BJI	IX	29 14 12 00.5	13.60N	120.98E	186	5.0b,4.8b		
MOS	IX	29 14 12 00.4–.95	13.86N	120.79E	157	5.0b,4.8b		

IDC IX 29 14 12 01.0–.29 13.83N 120.74E 148–1 4.8,4.5
ISCJB IX 29 14 12 01.1–.21 13.90N–.02 120.79E–.03 160–2 4.8b,4.5
MAN IX 29 14 12 01.2 13.85N 120.54E 126 5.8b,5.2s
NEIC IX 29 14 12 01.5–.56 13.85N 120.72E 154–5 5.0b,5.2s
DJA IX 29 14 12 34.3–5.6 11N–47 121E–11 10 5.0b,5.0
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s91,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.11 $M_{\theta\theta}$-0.29±.12; $M_{\phi\phi}$-3.00±.15; $M_{r\theta}$0.56±.11; $M_{\theta\phi}$-0.13±.15; $M_{\phi r}$-1.76±.13; Best double couple: NP1:ϕ_s173.00000°,δ60.00000°,λ81.00000°. NP2:ϕ_s10.00000°,δ31.00000°,λ105.00000°. Principal axes: T 3.8290,Plg73.0000° ,Azm61.0000°; N -0.3670,Plg8.0000°,Azm178.0000°; P -3.4590,Plg15.0000°,Azm270.0000° $M_0$3.64400×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Abra de Ilog, Calapan and Puerto Galera. Felt at Manila, Luzon.

(230) Near south coast of eastern Honshu

ISC	**IX**	**29 17 37 41.3–.62**	**35.05N–.04**	**140.05E–.04**	**66–5**	**4.5b**	**108**	**0-79**
NIED	IX	29 17 37 00	35.00N	139.90E	62	4.2W		**¶601768539**
BJI	IX	29 17 37 35.3	34.98N	140.63E	60	5.0b,4.7s		
MOS	IX	29 17 37 38.5–.99	35.01N	140.18E	62	4.5b,4.7s		
ISCJB	IX	29 17 37 40.0–.28	35.03N–.02	140.04E–.04	70–2	4.4b,4.7s		
NEIC	IX	29 17 37 40.7–.65	35.04N	140.12E	60–6	4.8b,4.7s		
JMA	IX	29 17 37 40.4–.10	34.99N	139.96E	71–2	3.7,4.7s		
IDC	IX	29 17 37 42.1–1.1	34.93N	139.85E	70–10	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ50.00000°,λ157.00000°. NP2:ϕ_s211.00000°,δ73.00000°,λ42.00000°. $M_0$2.06000×10^{15}
MOS Error ellipse: s-maj=13.1km s-min=7.3km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.7km az=153.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.1km az=104.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s203.00000°,δ83.00000°,λ46.00000°. NP2: ϕ_s106.00000°,δ45.00000°,λ170.00000°. Principal axes: T Plg36.0000°,Azm75.0000° ; N Plg44.0000°,Azm209.0000°; P Plg25.0000°,Azm326.0000°
IDC Error ellipse: s-maj=22.1km s-min=5.5km az=72.0.

(118) Peru-Bolivia border region

ISC	**IX**	**29 17 48 57.8–.27**	**17.53S–.03**	**69.72W–.04**	**133–2**	**5.2b**	**1414**	**1-173**
MOS	IX	29 17 48 53.7–1.2	17.30S	69.63W	101	5.3b		**¶601767300**
ISCJB	IX	29 17 48 56.7–.12	17.35S–.02	69.57W–.03	139	5.1b		
GUC	IX	29 17 48 56.6–.66	17.50S	69.63W	125–7	5.2L		
IDC	IX	29 17 48 59.3–.43	17.40S	69.63W	138–3	5.1,4.8		
NEIC	IX	29 17 48 59.5–.17	17.18S	69.41W	138	5.2L,5.1b		
BJI	IX	29 17 48 59.0	17.50S	69.70W	131	5.4b,5.1b		
GCMT	IX	29 17 49 03.5–.20	17.64S–.01	69.86W–.01	146–1	5.3W,5.1b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Arica and Poconchile; [II] at Alto Hospicio, Codpa, Cuya, Mamina and Pisagua, Chile. Also felt [III] at Tacna, Peru.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c99; s110,c188;Duration: 1ş1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.02 $M_{\theta\theta}$-0.34±.02; $M_{\phi\phi}$0.38±.03; $M_{r\theta}$0.36±.01; $M_{\theta\phi}$0.62±.02; $M_{\phi r}$-0.79±.02; Best double couple: NP1:ϕ_s344.00000°,δ88.00000°,λ-130.00000°. NP2:ϕ_s252.00000°,δ40.00000°,λ-3.00000°. Principal axes: T 1.0540,Plg31.0000° ,Azm106.0000°; N 0.1340,Plg40.0000°,Azm345.0000°; P -1.1880,Plg34.0000° ,Azm220.0000° $M_0$1.12100×10^{17}

(460) Wyoming

ISC	**IX**	**29 18 01 36.6–.77**	**43.78N–.04**	**105.23W–.05**	**0**		**110**	**1-90**
ISCJB	IX	29 18 01 34.9–.31	43.76N–.02	105.18W–.04	0	3.9b		**¶601857496**
NEIC	IX	29 18 01 36.6–.30	43.76N	105.23W	0	3.6L		
IDC	IX	29 18 01 36.4–1.6	43.85N	105.48W	0	3.9b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=3.9km s-min=3.1km az=163.5.
NEIC Event type sm. Error ellipse: s-maj=3.9km s-min=3.4km az=63.0. 63 km [39 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.6km s-min=8.8km az=148.0.

(45) California-Baja California border region

ISC	**IX**	**29 23 13 30.4–1.0**	**32.16N–.02**	**115.23W–.02**	**11–8**		**84**	**0-6**
ISCJB	IX	29 23 13 29.6–.55	32.15N–.02	115.20W–.02	9–4			**¶601883100**
NEIC	IX	29 23 13 32.0–.00	32.17N	115.23W	10	3.3L,3.2L		
ECX	IX	29 23 13 32.0–.56	32.17N	115.24W	10	3.3L,3.1		
MEX	IX	29 23 13 33.1–.36	32.26N	115.11W	19–15	3.9,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=173.2.
NEIC Event type fe. Felt at Tijuana. Also felt at Chula Vista and San Diego, California. After ECX.
ECX Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
MEX Error ellipse: s-maj=3.4km s-min=5.4km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**30 01 39 29.8–.81**	**38.98N–.05**	**142.41E–.06**	**41–6**	**4.0b,3.9s**	**93**	**1-94**
NIED	IX	30 01 39 00	39.00N	142.40E	32	4.1W,3.9s		**¶601768543**
JMA	IX	30 01 39 27.9–.10	38.99N	142.39E	33–1	4.3,3.9s		
ISCJB	IX	30 01 39 28.0–.61	38.96N–.03	142.40E–.05	37–5	4.0b,3.8s		
MOS	IX	30 01 39 27.8–1.2	38.99N	142.42E	38	4.4b,3.8s		
NEIC	IX	30 01 39 30.2–.80	39.05N	142.31E	36–9	4.3b,3.8s		
IDC	IX	30 01 39 30.2–1.7	38.89N	142.38E	42–16	3.9,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ40.00000°,λ-33.00000°. NP2:ϕ_s220.00000°,δ70.00000°,λ-125.00000°. $M_0$1.59000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=26.6.
MOS Error ellipse: s-maj=11.1km s-min=7.2km az=86.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=134.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=17.4km s-min=10.0km az=106.0.

(500) Central Texas

ISC	**IX**	**30 04 04 58.8–1.2**	**32.87N–.03**	**97.00W–.03**	**0–9**		**319**	**1-32**
IDC	IX	30 04 04 58.6–3.1	32.88N	96.82W	0	3.6,3.5b		**¶601780640**
NEIC	IX	30 04 05 00.9–1.4	32.84N	96.98W	5–2	3.4,3.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=46.2km s-min=14.1km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=7.6km az=80.0. Felt [IV] at Dallas and Irving and [III] at Allen, Carrollton, Colleyville, Coppell, Euless, Fort Worth, Garland, Grand Prairie, Grapevine, Hurst, Lewisville, Plano, Roanoke and Southlake. Felt widely in the Dallas-Fort Worth area.

(228) Near east coast of eastern Honshu

ISC	**IX**	**30 05 41 52.4–1.2**	**36.78N–.03**	**140.49E–.04**	**3–8**	**3.6b**	**29**	**0-147**
NIED	IX	30 05 41 00	36.80N	140.60E	8	3.6W		**¶601857522**
ISCJB	IX	30 05 41 52.4–.55	36.76N–.03	140.62E–.05	12–3	3.5b,3.2s		
JMA	IX	30 05 41 53.1	36.78N	140.56E	8–1	3.6,3.2s		
IDC	IX	30 05 41 60.0–3.5	36.70N	140.25E	61–33	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ40.00000°,λ-85.00000°. NP2:ϕ_s176.00000°,δ50.00000°,λ-94.00000°. $M_0$2.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=21.9.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ67.00000°,λ-83.00000°. NP2:ϕ_s177.00000°,δ24.00000°,λ-106.00000°. Principal axes: T Plg22.0000°,Azm99.0000°; N Plg6.0000°,Azm192.0000°; P Plg67.0000° ,Azm297.0000°
IDC Error ellipse: s-maj=28.9km s-min=21.6km az=101.0.

(228) Near east coast of eastern Honshu

JMA	**IX**	**30 07 06 58.8–.10**	**35.74N**	**140.84E**	**8–1**	**3.4**		
NIED	IX	30 07 06 00	35.70N	140.80E	11	3.6W		**¶603682367**

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s184.00000°,δ50.00000°,λ-113.00000°. $M_0$3.02000×10^{14}

(82) Panama-Colombia border region

ISC	**IX**	**30 09 30 12.3–.89**	**8.40N–.04**	**77.07W–.03**	**42–10**	**4.3b,3.3s**	**235**	**1-153**
ISCJB	IX	30 09 30 10.7–.30	8.43N–.03	77.06W–.02	40–4	4.2b,3.2s		**¶601768550**
NEIC	IX	30 09 30 12.9–.47	8.41N	77.09W	40–4	4.3b,3.2s		
RSNC	IX	30 09 30 12.7–.74	8.39N	77.09W	32–7	4.3W,4.3L		
IDC	IX	30 09 30 12.5–1.7	8.48N	76.97W	48–18	4.1,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.5km az=16.5.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.5km az=198.0. Felt at Medellin, Colombia. Also felt at Arraijan, El Espino, Panama and Rio Hato, Panama.
RSNC Error ellipse: s-maj=2.9km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=12.1km az=50.0.

(227) Eastern Honshu

ISC	**IX**	**30 13 39 00.0–.85**	**37.02N–.03**	**140.63E–.03**	**10–5**	**3.8b**	**39**	**0-147**
ISCJB	IX	30 13 38 59.6–.45	37.01N–.03	140.68E–.04	17–3	3.8b		**¶601769292**
JMA	IX	30 13 39 00.1	37.02N	140.61E	8–1	4.0		
NIED	IX	30 13 39 00	37.00N	140.60E	8	3.7W		
IDC	IX	30 13 39 08.0–2.5	36.97N	140.34E	75–23	3.9,3.8		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.2km az=26.8.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s339.00000°,δ73.00000°,λ-84.00000°. NP2:ϕ_s139.00000°,δ18.00000°,λ-109.00000°. Principal axes: T Plg28.0000°,Azm64.0000°; N Plg6.0000°,Azm157.0000°; P Plg61.0000° ,Azm257.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ47.00000°,λ-171.00000°. NP2:ϕ_s345.00000°,δ83.00000°,λ-43.00000°. $M_0$3.43000×10^{14}
IDC Error ellipse: s-maj=22.1km s-min=15.7km az=88.0.

(227) Eastern Honshu

ISC	**IX**	**30 13 39 58.1–.93**	**36.99N–.05**	**140.62E–.04**	**12–7**	**3.8b**	**23**	**0-61**
ISCJB	IX	30 13 39 58.9–.53	37.01N–.03	140.63E–.05	8–4	3.7b		**¶601857535**
JMA	IX	30 13 39 59.0	37.01N	140.61E	8–1	3.8		
IDC	IX	30 13 40 04.9–5.0	36.95N	140.59E	67–41	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.4km az=16.8.
JMA Felt [III] J1.
IDC Error ellipse: s-maj=39.9km s-min=25.8km az=90.0.

(103) Colombia

ISC	**IX**	**30 16 31 34.1–.23**	**1.91N–.02**	**76.37W–.02**	**155–1**	**6.8b**	**3546**	**0-178**
UCR	IX	30 16 31 31.4–2.0	1.75N	76.29W	124–20	7.0b		**¶601768557**
MOS	IX	30 16 31 32.5–.85	1.98N	76.42W	148	6.9b		
BJI	IX	30 16 31 33.2	1.98N	76.36W	165	7.0b		
IDC	IX	30 16 31 33.5–1.4	1.99N	76.31W	143–12	6.6,6.4		
RSNC	IX	30 16 31 34.4–1.5	1.97N	76.56W	172–9	7.1W,6.4L		
IGQ	IX	30 16 31 34.4–1.3	2N–11	77W–11	228–8	5.7,6.4L		
ISCJB	IX	30 16 31 34.5–.13	1.997N–.01	76.42W–.01	166–1	6.8b,6.4L		
NEIC	IX	30 16 31 34.0–.00	1.87N	75.81W	160	6.8b,6.4L		
NEIC	IX	30 16 31 36.0–.08	1.93N	76.36W	170	7.3W,7.2W		
GCMT	IX	30 16 31 44.0–.10	1.89N–.01	76.22W–.01	159–0	7.2W,7.2W		
NEIC	IX	30 16 31 58.7–.00	2.05N	75.44W	147	7.2W,7.2W		

ISC Event type fe.
UCR Error ellipse: s-maj=30.7km s-min=9.7km az=-1.0.
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=93.4.
IDC Error ellipse: s-maj=8.3km s-min=6.6km az=63.0.
RSNC Error ellipse: s-maj=5.6km s-min=6.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=156.9.
NEIC Event type se. Moment Tensor Solution. s99 Moment tensor: Scale 10^{19}Nm; M_{rr}-7.86 $M_{\theta\theta}$8.04 $M_{\phi\phi}$-0.17 $M_{r\theta}$-2.87 $M_{\theta\phi}$4.59 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s79.00000° ,δ54.00000°,λ-72.00000°. NP2:ϕ_s231.00000°,δ39.00000°,λ-112.00000°. Principal axes: T 10.4000,Plg7.0000°,Azm156.0000°; N -1.8000,Plg14.0000°,Azm248.0000° ; P -8.6000,Plg73.0000°,Azm39.0000° $M_0$9.60000×10^{19}
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=44.0. Felt [V] at Dos Quebradas and Palmira; [IV] at Armenia, Cali, Cartago, Envigado, Jamundi, La Vega, Manizales, Medellin, Pasto, Pereira, Popayan and San Agustin; [III] at Bogota, Pasca and Santa Isabel. Also felt [IV] at Bahia de Caraquez and [III] at Guayaquil and Quito, Ecuador. Felt in much of southwestern Colombia and northern and central Ecuador. Also felt in parts of Panama. Complex earthquake observed on broadband displacement seismograms, with at least 2 large subevents occurring about 4 and 8 seconds after the onset. Depth from broadband displacement seismograms based on first event. Apparent Stress 0.31 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s85 Moment tensor: Scale 10^{19} Nm; M_{rr}-6.20 $M_{\theta\theta}$5.62 $M_{\phi\phi}$0.58 $M_{r\theta}$-4.31 $M_{\theta\phi}$4.02 $M_{\phi r}$0.24 Best double couple: NP1: ϕ_s220.00000°,δ35.00000°,λ-124.00000°. NP2:ϕ_s79.00000°,δ62.00000°,λ-69.00000°. Principal axes: T 8.7700,Plg14.0000°,Azm154.0000°; N -0.8800,Plg18.0000°,Azm249.0000° ; P -7.8900,Plg66.0000°,Azm29.0000° $M_0$8.40000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s67.00000°,δ61.00000°,λ-82.00000°. NP2: ϕ_s230.00000°,δ30.00000°,λ-105.00000°. Principal axes: T Plg16.0000°,Azm151.0000° ; N Plg0.0000°,Azm0.0000°; P Plg73.0000°,Azm358.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c405; s149,c744; Duration: 10ş1 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.76±.00 $M_{\theta\theta}$0.76±.00; $M_{\phi\phi}$0.00±.00; $M_{r\theta}$-0.28±.00; $M_{\theta\phi}$0.42±.00; $M_{\phi r}$0.06±.00; Best double couple: NP1:ϕ_s80.00000°,δ54.00000° ,λ-73.00000°. NP2:ϕ_s231.00000°,δ39.00000°,λ-113.00000°. Principal axes: T 0.9730,Plg8.0000°,Azm157.0000°; N -0.1460,Plg14.0000°,Azm249.0000° ; P -0.8280,Plg74.0000°,Azm39.0000° $M_0$0.90100×10^{20}
NEIC Event type se. Moment Tensor Solution. s148 Moment tensor: Scale 10^{19}Nm; M_{rr}-7.38 $M_{\theta\theta}$7.28 $M_{\phi\phi}$0.10 $M_{r\theta}$-2.78 $M_{\theta\phi}$4.08 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s229.00000° ,δ40.00000°,λ-115.00000°. NP2:ϕ_s81.00000°,δ55.00000°,λ-71.00000°. Principal axes: T 9.4200,Plg8.0000°,Azm157.0000°; N -1.2300,Plg16.0000°,Azm249.0000° ; P -8.2000,Plg73.0000°,Azm42.0000° $M_0$8.80000×10^{19}

(460) Wyoming

ISC	**IX**	**30 20 03 37.4–.75**	**43.77N–.04**	**105.26W–.06**	**0**		**38**	**1-90**
ISCJB	IX	30 20 03 35.8–.40	43.83N–.03	105.24W–.05	0	3.9b		**¶601857548**
NEIC	IX	30 20 03 37.0–.46	43.76N	105.20W	0	3.4L		
IDC	IX	30 20 03 41.2–2.4	44.10N	105.87W	23–18	3.7,3.7b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.3km az=28.7.
NEIC Event type sm. Error ellipse: s-maj=8.2km s-min=6.3km az=147.0. 64 km [39 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.8km s-min=9.6km az=143.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**30 21 40 43.6–1.3**	**38.59N–.05**	**141.84E–.10**	**49–10**	**3.7b**	**30**	**0-59**
ISCJB	IX	30 21 40 42.8–.71	38.59N–.03	141.78E–.08	56–5	3.6b		**¶601857552**
JMA	IX	30 21 40 44.0–.10	38.62N	141.74E	50–1	3.7		
IDC	IX	30 21 40 44.7–2.1	38.58N	141.91E	66–19	3.8,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=4.8km az=16.2.
JMA Felt [II] J1.
IDC Error ellipse: s-maj=34.6km s-min=12.4km az=97.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**30 22 39 15.3–.39**	**38.32N–.03**	**142.08E–.04**	**10**	**4.4b**	**159**	**1-89**
NIED	IX	30 22 39 00	38.40N	141.90E	14	4.1W		**¶601769301**
BJI	IX	30 22 39 13.2	38.39N	142.37E	14	4.8b,4.5b		
ISCJB	IX	30 22 39 13.9–.24	38.36N–.02	142.08E–.03	10	4.3b,4.0s		
IDC	IX	30 22 39 14.8–.58	38.32N	142.05E	0	4.2,4.1		
MOS	IX	30 22 39 16.3–1.4	38.42N	142.10E	25	4.5b,4.1		
JMA	IX	30 22 39 17.1–.10	38.41N	141.89E	19–1	4.6,4.1		
NEIC	IX	30 22 39 17.9–2.1	38.33N	142.08E	26–15	4.6b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ67.00000°,λ-16.00000°. NP2:ϕ_s287.00000°,δ76.00000°,λ-156.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=35.2.
IDC Error ellipse: s-maj=16.8km s-min=12.0km az=103.0.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=91.0.
JMA Felt [III] J1.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=119.0. Recorded [3 JMA] in Iwate and Miyagi.

(229) Off east coast of Honshu

ISC	**X**	**01 01 00 42.9–.65**	**39.98N–.04**	**143.15E–.04**	**27–3**	**4.6b,4.4s**	**316**	**1-148**
NIED	X	01 01 00 00	39.80N	143.60E	23	4.7W,4.4s		**¶601776273**
IDC	X	01 01 00 36.5–.59	39.65N	143.38E	0	4.5,4.4		
JMA	X	01 01 00 36.2–.20	39.77N	143.64E	20	4.7,4.4		
ISCJB	X	01 01 00 41.7–.95	39.93N–.03	143.06E–.04	26–6	4.5b,4.3s		
MOS	X	01 01 00 42.3–1.2	39.97N	142.86E	29	4.9b,4.4s		
NEIC	X	01 01 00 42.6–2.4	40.06N	142.76E	11–14	4.5b,4.4s		
BJI	X	01 01 00 45.6	39.94N	142.74E	48	5.0b,4.8b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ29.00000°,λ73.00000°. NP2:ϕ_s30.00000°,δ62.00000°,λ99.00000°. $M_0$1.16000×10^{16}

IDC Error ellipse: s-maj=15.0km s-min=12.7km az=142.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=35.3.
MOS Error ellipse: s-maj=8.1km s-min=4.8km az=113.4.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=154.0.

(226) Near west coast of eastern Honshu

ISC	**X**	**01 01 28 58.8–1.8**	**40.10N–.05**	**139.06E–.07**	**27–14**		**24**	**0-60**
JMA	X	01 01 28 57.9–.10	40.10N	139.01E	30–1	3.9		**¶601996342**
IDC	X	01 01 29 05.8–3.5	39.76N	138.87E	57–36	3.5,3.3		

ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=22.6km az=92.0.

(228) Near east coast of eastern Honshu

JMA	**X**	**01 01 29 41.0–.10**	**38.43N**	**142.19E**	**32–1**	**3.6**		
								¶606038202

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(162) South Island

WEL	**X**	**01 02 28 55.3**	**44S–1.0**	**172.8E–.70**	**10–1**	**3.5L**		
NEIC	X	01 02 28 56.0–.00	43.50S	172.82E	5	3.6L		**¶601775507**

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in Canterbury. After WEL.

(228) Near east coast of eastern Honshu

ISC	**X**	**01 05 17 57.7–.64**	**35.97N–.03**	**141.37E–.04**	**48–5**	**4.8b,4.0s**	**510**	**0-152**
NIED	X	01 05 17 00	36.00N	141.50E	32	4.7W,4.0s		**¶601769313**
JMA	X	01 05 17 54.8–.20	35.98N	141.48E	48–3	4.7,4.0s		
ISCJB	X	01 05 17 55.9–.37	35.89N–.02	141.36E–.02	47–3	4.8b,4.1s		
MOS	X	01 05 17 55.4–.92	36.32N	141.39E	29	5.1b,4.0s		
BJI	X	01 05 17 56.0	35.92N	141.15E	43	5.0b,4.9b		
IDC	X	01 05 17 57.9–1.8	35.93N	141.38E	53–15	4.7,4.5		
NEIC	X	01 05 17 58.2–.43	35.90N	141.31E	54–4	4.7b,4.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ-39.00000°. NP2:ϕ_s69.00000°,δ62.00000°,λ-131.00000°. $M_0$1.07000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.1km az=161.3.
MOS Error ellipse: s-maj=6.6km s-min=4.7km az=110.6.
IDC Error ellipse: s-maj=11.7km s-min=10.0km az=128.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=143.0. Recorded [2 JMA] in Chiba and Ibaraki.

(135) Near coast of central Chile

ISC	**X**	**01 08 06 27.5–.54**	**30.91S–.03**	**71.45W–.05**	**32–3**	**4.7b**	**105**	**0-151**
ISCJB	X	01 08 06 27.9–.28	30.80S–.02	71.66W–.04	46	4.5b		**¶601769317**
SJA	X	01 08 06 27.2–.72	30.80S	71.60W	32–14	4.9W,4.4L		
GUC	X	01 08 06 28.9–.65	30.79S	71.18W	53–2	4.5L,4.4L		
NEIC	X	01 08 06 29.0–.00	30.79S	71.18W	56	4.6b,4.5L		
IDC	X	01 08 06 29.6–.75	30.86S	71.28W	50–5	4.1,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.9km az=173.3.
SJA Error ellipse: s-maj=3.2km s-min=7.9km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=7.7km az=-1.0.
NEIC Event type fe. Felt [III] at Canela, Combarbala, Illapel, Monte Patria, Ovalle and Salamanca; [II] at Andacollo, La Higuera, Paiguano, Punitaqui, Rancagua and Rio Hurtado. Also felt at La Serena and Vicuna. After GUC.
IDC Error ellipse: s-maj=21.9km s-min=18.8km az=54.0.

(228) Near east coast of eastern Honshu

JMA	**X**	**01 16 08 36.9–.10**	**40.10N**	**142.14E**	**46–1**	**3.6**		
NIED	X	01 16 08 00	40.10N	142.10E	56	3.5W		**¶603682953**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ18.00000°,λ38.00000°. NP2:ϕ_s54.00000°,δ79.00000°,λ105.00000°. $M_0$1.98000×10^{14}

(227) Eastern Honshu

ISC	**X**	**01 16 12 21.5–.83**	**37.80N–.03**	**140.02E–.02**	**13–5**	**4.4b**	**176**	**0-147**
NIED	X	01 16 12 00	37.80N	140.00E	5	4.0W		**¶601776126**
ISCJB	X	01 16 12 21.0–.34	37.82N–.02	140.00E–.02	17–2	4.3b,3.0s		
JMA	X	01 16 12 21.0	37.81N	140.03E	8–1	4.2,3.0s		
MOS	X	01 16 12 22.2–.99	37.79N	140.04E	29	4.6b,3.0s		
NEIC	X	01 16 12 25.8–.51	37.79N	139.91E	42–4	4.4b,3.0s		
IDC	X	01 16 12 25.4–2.2	37.82N	139.93E	38–19	4.1,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ33.00000°,λ101.00000°. NP2:ϕ_s170.00000°,δ58.00000°,λ83.00000°. $M_0$1.20000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=143.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s183.00000°,δ49.00000°,λ85.00000°. NP2:ϕ_s10.00000°,δ41.00000°,λ95.00000°. Principal axes: T Plg85.0000°,Azm51.0000°; N Plg4.0000°,Azm186.0000°; P Plg4.0000° ,Azm276.0000°
MOS Error ellipse: s-maj=9.0km s-min=6.1km az=77.8.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=130.0. Recorded [3 JMA] in Yamagata.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=114.0.

(460) Wyoming

ISC	**X**	**01 17 19 33.9–1.1**	**43.48N–.07**	**105.29W–.05**	**0**		**13**	**1-9**
IDC	X	01 17 19 35.6–2.4	43.32N	105.31W	0	3.7,3.5		**¶601996413**
NEIC	X	01 17 19 36.8–.70	43.71N	105.37W	0	2.9L,3.5		

ISC Event type sm.
IDC Error ellipse: s-maj=51.1km s-min=9.9km az=154.0.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=8.7km az=157.0. 66 km [41 miles] S of Gillette. Suspected Mining explosion.

(327) Lake Baykal region

ISC	**X**	**01 17 48 32.3–.45**	**53.26N–.02**	**108.65E–.02**	**10**	**4.1s,4.0b**	**130**	**1-86**
MOS	X	01 17 48 31.6–1.3	53.31N	108.61E	10	4.2b,4.0b		**¶601840292**
IDC	X	01 17 48 31.4–.97	53.30N	108.46E	0	3.9,3.8b		
BYKL	X	01 17 48 32.7–.18	53.29N	108.49E	15–3	3.9,3.8b		
BJI	X	01 17 48 32.1	53.26N	109.07E	9	4.3s,4.2b		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=9.8km s-min=6.9km az=61.3. Felt (II) at Onguryeny. Moment Tensor Solution.
IDC Error ellipse: s-maj=23.0km s-min=17.3km az=107.0.
BYKL Event type se. FELT I=II MSK at Onguren.

(228) Near east coast of eastern Honshu

ISC	**X**	**01 18 40 53.1–.53**	**36.93N–.03**	**141.29E–.03**	**23–3**	**5.1b,5.0s**	**872**	**0-161**
NIED	X	01 18 40 00	36.90N	141.50E	5	5.3W,5.0s		**¶606038685**
BJI	X	01 18 40 46.8	36.85N	141.50E	6	5.3s,5.1b		
IDC	X	01 18 40 49.1–.38	36.93N	141.26E	0	4.9,4.9b		
JMA	X	01 18 40 49.6–.10	36.92N	141.40E	30–1	5.6,4.9b		
ISCJB	X	01 18 40 52.3–.50	36.97N–.02	141.14E–.02	19–3	5.0b,5.0s		
GCMT	X	01 18 40 53.6–.10	36.95N–.01	141.35E–.01	12	5.3W,5.0s		
MOS	X	01 18 40 54.6–1.1	37.22N	141.09E	30	5.3b,5.1s		
NEIC	X	01 18 40 54.6–1.9	36.92N	141.03E	26–13	5.1b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ45.00000°,λ-74.00000°. NP2:ϕ_s190.00000°,δ47.00000°,λ-105.00000°. $M_0$9.30000×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=8.8km az=111.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s189.00000°,δ81.00000°,λ97.00000°. NP2:ϕ_s329.00000°,δ11.00000°,λ50.00000°. Principal axes: T Plg53.0000°,Azm108.0000°; N Plg7.0000°,Azm8.0000°; P Plg36.0000° ,Azm273.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=152.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c121; s116,c229;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91±.01 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$0.83±.01; $M_{r\theta}$0.17±.04; $M_{\theta\phi}$0.37±.01; $M_{\phi r}$-0.07±.04; Best double couple: NP1:ϕ_s213.00000°,δ46.00000°,λ-74.00000°. NP2:ϕ_s11.00000°,δ46.00000°,λ-106.00000°. Principal axes: T 0.9890,Plg0.0000° ,Azm292.0000°; N -0.0440,Plg12.0000°,Azm22.0000°; P -0.9450,Plg78.0000° ,Azm202.0000° $M_0$0.96700×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=4.3km az=102.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=144.0. Felt [II] at Tokyo. Felt widely in east-central Honshu. Recorded [3 JMA] in Fukushima and Ibaraki.

(228) Near east coast of eastern Honshu

ISC	**X**	**01 20 20 58.1–.79**	**36.90N–.03**	**141.27E–.05**	**24–4**	**4.4b**	**101**	**0-147**
NIED	X	01 20 20 00	36.90N	141.40E	5	4.3W		**¶606038744**
BJI	X	01 20 20 52.8	36.83N	141.59E	18	4.8b,4.5b		
IDC	X	01 20 20 54.4–.46	36.89N	141.21E	0	4.3,4.3b		
ISCJB	X	01 20 20 55.4–.82	36.89N–.03	141.40E–.05	21–5	4.3b,3.4s		
JMA	X	01 20 20 55.6–.10	36.87N	141.39E	30–1	4.5,3.4s		
MOS	X	01 20 20 57.4–1.2	36.95N	141.27E	34	4.8b,3.4s		
NEIC	X	01 20 20 58.1–2.0	36.89N	141.26E	24–14	4.9b,3.4s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ43.00000°,λ-112.00000°. NP2:ϕ_s212.00000°,δ51.00000°,λ-71.00000°. $M_0$3.63000×10^{15}
IDC Error ellipse: s-maj=14.2km s-min=10.6km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=15.1.
JMA Event type fe.
MOS Error ellipse: s-maj=9.6km s-min=7.2km az=112.5.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=5.5km az=118.0. Recorded [2 JMA] in Ibaraki.

(456) Montana

ISC	**X**	**01 20 44 47.7–1.2**	**45.17N–.07**	**106.92W–.08**	**0**		**9**	**2-11**
ISCJB	X	01 20 44 47.0–.79	45.15N–.08	106.9W–.10	0			**¶601996427**
NEIC	X	01 20 44 48.0–.57	45.17N	106.91W	0	2.5L		
IDC	X	01 20 44 47.5–1.1	44.86N	106.77W	0	3.7,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.1km s-min=9.7km az=141.5.
NEIC Event type fm. Error ellipse: s-maj=9.9km s-min=7.2km az=144.0. 41 km [26 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.4km s-min=8.9km az=138.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**01 20 48 29.8–1.6**	**36.99N–.04**	**141.33E–.06**	**11–9**	**3.9b**	**46**	**0-147**
NIED	X	01 20 48 00	36.90N	141.40E	5	3.9W		**¶601874825**
ISCJB	X	01 20 48 29.5–1.0	36.92N–.03	141.41E–.07	22–6	3.8b		
JMA	X	01 20 48 29.7–.10	36.91N	141.40E	31–1	4.2		
IDC	X	01 20 48 33.6–3.5	36.92N	141.18E	35–27	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ45.00000°,λ-112.00000°. NP2:ϕ_s218.00000°,δ49.00000°,λ-69.00000°. $M_0$9.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.3km az=6.2.
JMA Event type fe.
IDC Error ellipse: s-maj=18.6km s-min=15.2km az=91.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**01 20 50 40.7–1.9**	**37.18N–.04**	**141.59E–.05**	**15–11**	**4.3b,3.7s**	**58**	**1-146**
JMA	X	01 20 50 44.2–.10	37.20N	141.44E	47–1	4.4,3.7s		**¶601861521**
IDC	X	01 20 50 47.5–1.9	37.17N	141.44E	70–17	4.2,4.1		
NEIC	X	01 20 50 48.3–.84	37.16N	141.41E	78–7	4.9b,4.1		

ISC Event type se.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.0km s-min=11.7km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.0km az=114.0. Recorded [2 JMA] in Fukushima and Miyagi.

(228) Near east coast of eastern Honshu

ISC	**X**	**01 21 27 36.8–.54**	**36.34N–.04**	**141.00E–.06**	**45–4**	**4.2b**	**87**	**0-147**
NIED	X	01 21 27 00	36.40N	141.00E	47	4.2W		**¶601776136**
ISCJB	X	01 21 27 35.2–.55	36.33N–.03	141.04E–.05	45–4	4.1b		
JMA	X	01 21 27 36.2–.10	36.37N	140.95E	46–1	4.3		
IDC	X	01 21 27 37.0–.47	36.31N	140.95E	46–4	4.2,4.1		
NEIC	X	01 21 27 37.5–.84	36.25N	141.06E	55–7	4.0b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ50.00000°,λ146.00000°. NP2:ϕ_s351.00000°,δ65.00000°,λ46.00000°. $M_0$2.45000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.9km az=12.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=8.2km s-min=7.6km az=147.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=7.8km az=94.0. Recorded [3 JMA] in Fukushima and Ibaraki.

(229) Off east coast of Honshu

ISC	**X**	**01 22 21 46.1–.37**	**39.82N–.02**	**143.21E–.02**	**18–1**	**5.9s,5.7b**	**1990**	**1-163**
NIED	X	01 22 21 00	39.80N	143.50E	20	6.0W,5.7b		**¶601776277**
BJI	X	01 22 21 41.8	39.74N	143.12E	7	6.5,6.5s		
IDC	X	01 22 21 42.9–.38	39.81N	143.24E	0	6.0,6.0s		
JMA	X	01 22 21 42.6–.20	39.83N	143.52E	22–4	6.3,6.0s		
ISCJB	X	01 22 21 43.6–.51	39.79N–.02	143.20E–.01	11–3	5.9s,5.6b		
NEIC	X	01 22 21 45.0–.00	39.85N	143.05E	19	5.9s,5.6b		
NEIC	X	01 22 21 46.0–.07	39.81N	143.10E	15	6.1,6.1W		
MOS	X	01 22 21 47.3–.92	39.89N	143.11E	36	6.1s,5.9b		
GCMT	X	01 22 21 50.0–.10	39.86N	143.30E	21–0	6.0W,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ25.00000°,λ40.00000°. NP2:ϕ_s40.00000°,δ74.00000°,λ110.00000°. $M_0$1.29000×10^{18}
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=100.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=158.5.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.08 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s20.00000° ,δ81.00000°,λ91.00000°. NP2:ϕ_s191.00000°,δ9.00000°,λ81.00000°. Principal axes: T 1.6500,Plg53.0000°,Azm291.0000°; N -0.1000,Plg1.0000°,Azm199.0000° ; P -1.5500,Plg36.0000°,Azm108.0000° $M_0$1.60000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=146.0. Felt at Misawa, Miyako, Tagajo, Wakuya and Yuzawa. Recorded [3 JMA] in Akita, Aomori, Iwate and Miyagi. Also recorded [3 JMA] in southwestern Hokkaido. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.65 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ16.00000°,λ88.00000°. NP2:ϕ_s33.00000° ,δ74.00000°,λ91.00000°. Principal axes: T 1.2600,Plg61.0000°,Azm304.0000° ; N 0.1400,Plg1.0000°,Azm212.0000°; P -1.4000,Plg29.0000°,Azm122.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ10.00000° ,λ90.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm290.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm110.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=98.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c287; s143,c481; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.73±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.74±.01; $M_{r\theta}$0.60±.01; $M_{\theta\phi}$-0.20±.00; $M_{\phi r}$1.01±.02; Best double couple: NP1:ϕ_s28.00000°,δ74.00000° ,λ99.00000°. NP2:ϕ_s179.00000°,δ18.00000°,λ62.00000°. Principal axes: T 1.3930,Plg60.0000°,Azm310.0000°; N 0.0120,Plg8.0000°,Azm206.0000° ; P -1.4050,Plg29.0000°,Azm111.0000° $M_0$1.39900×10^{18}

(229) Off east coast of Honshu

JMA	**X**	**01 22 25 15.3–.20**	**39.86N**	**143.40E**	**21**	**4.7**		
								¶606038778

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

(228) Near east coast of eastern Honshu

ISC	**X**	**01 22 31 57.5–1.8**	**36.87N–.03**	**141.37E–.07**	**2–10**	**4.1b**	**33**	**1-69**
IDC	X	01 22 31 55.7–1.3	36.91N	141.69E	0	4.0,4.0b		**¶601996436**
ISCJB	X	01 22 31 57.1–1.7	36.85N–.03	141.44E–.05	14–11	4.0b,4.0b		
JMA	X	01 22 31 57.8–.10	36.85N	141.39E	28–1	3.9,4.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=19.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=171.1.
JMA Event type fe.

(116) Central Peru

ISC	**X**	**01 22 51 21.5–.42**	**8.95S–.05**	**75.44W–.06**	**50**	**4.3b**	**48**	**3-145**
ISCJB	X	01 22 51 19.7–.37	8.89S–.04	75.49W–.06	50	4.3b,3.6s		**¶601776278**
NEIC	X	01 22 51 21.4–.84	8.92S	75.53W	52–8	4.5L,4.4b		
IDC	X	01 22 51 22.1–1.8	8.90S	75.56W	55–18	4.4,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.4km az=179.1.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.2km az=56.0. Felt [II] at Aguaytia.
IDC Error ellipse: s-maj=15.3km s-min=11.2km az=78.0.

(229) Off east coast of Honshu

ISC	**X**	**01 22 55 48.3–.39**	**39.80N–.04**	**143.33E–.04**	**21–3**	**5.1b**	**904**	**1-146**
NIED	X	01 22 55 00	39.80N	143.50E	23	5.0W		**¶601776279**
JMA	X	01 22 55 44.6–.20	39.78N	143.53E	20–4	5.0		
ISCJB	X	01 22 55 47.5–.82	39.76N–.02	143.22E–.02	24–5	5.7s,5.0b		
NEIC	X	01 22 55 47.2–.12	39.74N	143.19E	10	5.2b,5.0b		

BJI X 01 22 55 48.2 39.78N 143.19E 33 5.7b,5.2s
MOS X 01 22 55 49.7–.92 39.88N 143.20E 36 5.4b,5.2s
IDC X 01 22 55 49.2–4.1 39.70N 143.30E 28–28 4.7s,4.7
GCMT X 01 22 55 52.2–.40 39.79N–.03 143.35E–.03 14 5.3W,4.7
ISC Event type se.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s205.00000°,δ22.00000°,λ89.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ91.00000°. $M_0$3.95000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Iwate.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c60; s62,c81;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-0.27±.02; $M_{r\theta}$0.48±.05; $M_{\theta\phi}$-0.05±.02; $M_{\phi r}$0.88±.05; Best double couple: NP1:ϕ_s28.00000°,δ82.00000°,λ94.00000°. NP2:ϕ_s184.00000°,δ9.00000°,λ66.00000°. Principal axes: T 1.0650,Plg53.0000° ,Azm302.0000°; N -0.0480,Plg4.0000°,Azm207.0000°; P -1.0180,Plg37.0000° ,Azm115.0000° $M_0$1.04100×10^{17}

(227) Eastern Honshu

JMA X 01 23 25 46.7 35.03N 137.02E 41–1 2.7 ¶606038794

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s234.00000°,δ87.00000°,λ-39.00000°. NP2:ϕ_s327.00000°,δ51.00000°,λ-176.00000°. Principal axes: T Plg24.0000°,Azm287.0000°; N Plg51.0000°,Azm50.0000°; P Plg29.0000° ,Azm183.0000°

(228) Near east coast of eastern Honshu

ISC X 02 01 10 46.1–.63 36.19N–.03 141.04E–.04 28–4 4.6b 262 0-147
NIED X 02 01 10 00 36.10N 141.10E 29 4.4W **¶601776150**
IDC X 02 01 10 41.7–.54 36.07N 140.95E 0 4.4,4.3
BJI X 02 01 10 42.1 36.16N 140.99E 15 4.9b,4.7b
JMA X 02 01 10 44.9–.10 36.09N 140.98E 39–1 4.2,4.7b
ISCJB X 02 01 10 45.5–.43 36.15N–.03 140.93E–.03 32–2 4.5b,3.9s
MOS X 02 01 10 46.5–.96 36.39N 140.89E 32 4.8b,3.9s
NEIC X 02 01 10 46.6–.20 36.14N 140.89E 28 4.6b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s88.00000°,δ13.00000°,λ-2.00000°. NP2:ϕ_s180.00000°,δ90.00000°,λ-103.00000°. $M_0$3.94000×10^{15}
IDC Error ellipse: s-maj=14.7km s-min=12.2km az=153.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=156.1.
MOS Error ellipse: s-maj=7.7km s-min=5.4km az=111.3.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=161.0. Recorded [3 JMA] in Ibaraki.

(229) Off east coast of Honshu

ISC X 02 01 51 36.0–.87 39.71N–.04 143.41E–.04 11–4 4.8b,4.2s 316 1-146
NIED X 02 01 51 00 39.60N 143.70E 23 4.4W,4.2s **¶601780642**
JMA X 02 01 51 33.5–.10 39.65N 143.69E 24 4.7,4.2s
IDC X 02 01 51 33.8–.61 39.57N 143.42E 0 4.6,4.5
ISCJB X 02 01 51 35.8–.86 39.65N–.03 143.45E–.04 21–5 4.7b,4.2s
BJI X 02 01 51 36.2 39.66N 143.35E 29 4.9b,4.8b
MOS X 02 01 51 38.9–.91 39.84N 143.25E 33 4.9b,4.0s
NEIC X 02 01 51 38.8–1.3 39.65N 143.27E 27–3 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ33.00000°,λ84.00000°. NP2:ϕ_s29.00000°,δ58.00000°,λ94.00000°. $M_0$5.02000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=12.3km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=38.7.
MOS Error ellipse: s-maj=7.6km s-min=4.8km az=108.7.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=10.4km az=117.0. Recorded [1 JMA] in Iwate.

(173) Tonga Islands

ISC X 02 03 33 34.2–.32 19.01S–.04 174.77W–.04 136–2 5.1b 1234 5-176
MOS X 02 03 33 26.6–.90 18.72S 174.88W 75 5.4b **¶601874827**
BJI X 02 03 33 28.7 18.42S 174.52W 95 5.5b,5.2b
ISCJB X 02 03 33 32.9–.08 18.84S–.02 174.90W–.02 134 5.0b,5.2b
WEL X 02 03 33 34.0 18.84S 174.90W 134 5.0b,5.2b
IDC X 02 03 33 34.1–.48 18.82S 174.86W 132–4 5.2,4.9
NEIC X 02 03 33 34.2–.56 18.84S 174.90W 134–5 5.0b,4.9
GCMT X 02 03 33 37.2–.10 18.84S–.01 174.42W–.01 142–0 5.4W,4.9
ISC Event type fe.
ISCJB Event type fe.
WEL manual. confirmed.
NEIC Event type fe. Felt at Neiafu.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c200; s132,c241;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.07±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$0.13±.02; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$-1.06±.02; Best double couple: NP1:ϕ_s28.00000°,δ63.00000°,λ-129.00000°. NP2:ϕ_s269.00000°,δ46.00000°,λ-39.00000°. Principal axes: T 1.6670,Plg10.0000° ,Azm145.0000°; N 0.1930,Plg34.0000°,Azm48.0000°; P -1.8560,Plg54.0000°,Azm250.0000° $M_0$1.76100×10^{17}

(303) Kashmir-India border region

ISC X 02 03 45 28.6–.40 32.40N–.04 76.40E–.04 14 4.3b 129 0-85
IDC X 02 03 45 26.1–.78 32.27N 76.33E 0 4.4,4.2 **¶601833105**
ISCJB X 02 03 45 27.4–.21 32.39N–.02 76.49E–.03 14 4.3b,3.7s
NDI X 02 03 45 29.6–2.2 32.32N 76.36E 11–6 4.4L,3.7s
NEIC X 02 03 45 30.1–4.3 32.40N 76.51E 19–26 4.6b,3.7s
BJI X 02 03 45 31.5 32.55N 76.74E 23 4.6b,4.3b
NNC X 02 03 45 41.3–6.3 33.00N 76.95E 253–136 5.2,3.5b
ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=17.3km az=36.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=146.8.
NDI Error ellipse: s-maj=14.8km s-min=12.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.6km az=195.0. Felt in the Chamba-Dharmsala area.
NNC Event type se. Error ellipse: s-maj=82.8km s-min=48.3km az=79.0.

(73) El Salvador

ISC X 02 03 52 45.7–1.0 13.36N–.08 89.66W–.06 74–7 4.0b 85 0-137
IDC X 02 03 52 38.4–1.3 13.71N 88.86W 0 4.0,3.8 **¶601890439**
ISCJB X 02 03 52 44.2–.58 13.23N–.06 89.72W–.04 74–5 4.1b,3.8
UCR X 02 03 52 44.6–1.2 13.16N 89.74W 31–2 4.4b,3.9L
NEIC X 02 03 52 49.5–.82 13.82N 89.15W 82–9 4.4b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=44.8km s-min=20.5km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=4.0km az=34.2.
UCR Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=18.6km s-min=8.4km az=217.0. Felt [I] at Sonsonate.

(228) Near east coast of eastern Honshu

ISC X 02 05 46 59.8–2.5 36.95N–.05 141.39E–.07 15–15 3.5b 25 0-57
NIED X 02 05 46 00 36.90N 141.40E 5 3.5W **¶601996765**
ISCJB X 02 05 46 58.0–1.3 36.94N–.04 141.48E–.06 10–7 3.4b
IDC X 02 05 46 58.1–1.4 36.80N 141.36E 0 3.7,3.5b
JMA X 02 05 46 59.7–.10 36.92N 141.39E 31–1 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ35.00000°,λ-115.00000°. NP2:ϕ_s236.00000°,δ59.00000°,λ-73.00000°. $M_0$2.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.1km az=31.5.
IDC Error ellipse: s-maj=34.4km s-min=28.9km az=129.0.
JMA Event type fe.

(259) Mindanao

ISC X 02 06 25 32.2–.38 8.26N–.02 123.20E–.03 43–3 5.2b,4.4s 636 0-166
BJI X 02 06 25 27.6 8.03N 123.61E 43 5.2b,5.1b **¶601776163**
MAN X 02 06 25 28.9 8.19N 123.08E 24 5.8b,5.2s
GCMT X 02 06 25 30.6–.20 8.25N–.01 123.06E–.01 25–1 5.1W,5.2s
MOS X 02 06 25 31.2–.95 8.40N 123.36E 51 5.6b,4.4s
ISCJB X 02 06 25 31.4–.27 8.30N–.01 123.30E–.02 53–2 5.2b,4.4s
NEIC X 02 06 25 32.6–.49 8.30N 123.29E 52–4 5.3b,4.4s
DJA X 02 06 25 34.2–.50 8N–3.0 123E–2.0 46–4 5.5,5.5b
IDC X 02 06 25 36.0–1.7 8.34N 123.35E 80–15 5.1,4.8
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c79; s108,c176;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.16 $M_{\theta\theta}$3.24±.13; $M_{\phi\phi}$-4.83±.14; $M_{r\theta}$2.10±.31; $M_{\theta\phi}$3.78±.11; $M_{\phi r}$1.83±.33; Best double couple: NP1:ϕ_s19.00000°,δ75.00000°,λ153.00000°. NP2:ϕ_s117.00000°,δ64.00000°,λ17.00000°. Principal axes: T 6.2420,Plg30.0000° ,Azm336.0000°; N 0.2090,Plg59.0000°,Azm172.0000°; P -6.4400,Plg7.0000°,Azm70.0000° $M_0$6.34100×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=117.3.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=174.9.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=82.0. Felt [IV PIVS] at Pagadian and Sindangan; [III PIVS] at Labason, Oroquieta, Polanco and Zamboanga City; [II PIVS] at Dipolog, Lugait, Manucan and Tampilisan; [I PIVS] at Cagayan de Oro. Also felt at Clarin, Dumalinao, Linamon, Ozamiz City, Sergio Osmena Sr. and Tangub. Felt [III PIVS] at Dumaguete and Sibulan, Negros. Also felt at Dauin and Siaton. Felt [I PIVS] at Cebu City, Cebu and at Iloilo, Panay. Also felt on Siquijor Island.
IDC Error ellipse: s-maj=12.9km s-min=8.3km az=75.0.

(228) Near east coast of eastern Honshu

ISC X 02 06 32 44.2–1.8 36.87N–.04 141.32E–.08 11–10 3.7b 23 0-61
NIED X 02 06 32 00 36.80N 141.40E 5 3.4W **¶601996773**
ISCJB X 02 06 32 42.3–1.8 36.85N–.04 141.47E–.07 11–12 3.6b
IDC X 02 06 32 42.0–2.0 36.92N 141.46E 0 3.7,3.6
JMA X 02 06 32 44.1–.10 36.86N 141.37E 30–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ44.00000°,λ-103.00000°. NP2:ϕ_s235.00000°,δ47.00000°,λ-78.00000°. $M_0$1.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.7km az=165.5.
IDC Error ellipse: s-maj=39.3km s-min=25.8km az=55.0.
JMA Event type fe.

(45) California-Baja California border region

ISC X 02 08 28 15.0–.80 32.81N–.02 116.15W–.02 10–6 4.2b,3.3s 242 0-94
ISCJB X 02 08 28 14.2–.28 32.79N–.01 116.13W–.01 14–2 4.2b,3.4s **¶601776165**
IDC X 02 08 28 14.1–2.0 32.82N 116.04W 0 4.1,4.0L
NEIC X 02 08 28 15.0–.00 32.81N 116.11W 10 4.1W,4.1b
ECX X 02 08 28 15.3–.70 32.80N 116.15W 10 4.1L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=7.1.
IDC Error ellipse: s-maj=31.4km s-min=11.7km az=42.0.
NEIC Event type fe. Felt [IV] at Boulevard, Calexico, Campo, Jacumba and Ocotillo and [III] at Alpine, Descanso, El Cajon, El Centro, Escondido, Imperial, Jamul, Oceanside, Pine Valley, Potrero, San Diego, San Jacinto, San Marcos, Solana Beach, Temecula and Thermal. Felt in Imperial and San Diego Counties and in parts of Los Angeles, Orange, Riverside and San Bernardino Counties. Felt [IV] at Tecate, [III] at Tijuana and [II] at Mexicali, Baja California. Also felt at Chapultepec, Ensenada and Rosarito. After PAS. Moment Tensor Solution. $M_0$2.00000×10^{15}
ECX Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Moment Tensor Solution. NP1: ϕ_s138.33000°,δ90.00000°,λ30.00000°.

(303) Kashmir-India border region

ISC X 02 08 34 54.5–.30 32.40N–.03 76.49E–.04 14 4.6b,3.8s 233 0-146
IDC X 02 08 34 52.0–.57 32.37N 76.53E 0 4.6L,4.5 **¶601776280**
ISCJB X 02 08 34 52.9–.17 32.41N–.02 76.53E–.03 14 4.5b,3.7s
NDI X 02 08 34 52.5–2.5 32.42N 76.27E 11–5 5.0L,3.7s
BJI X 02 08 34 53.2 32.57N 76.61E 6 4.8b,4.7b
NEIC X 02 08 34 54.4–.30 32.47N 76.63E 10 4.8b,4.7b
MOS X 02 08 34 56.8–1.4 32.59N 76.64E 34 4.7b,4.7b
NNC X 02 08 35 00.2–6.7 32.38N 76.06E 182–131 5.5,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=12.5km az=17.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=146.2.
NDI Error ellipse: s-maj=11.0km s-min=11.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.5km az=200.0. Felt at Chamba, Chandigarh and Dharmsala.
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=101.1.
NNC Event type se. Error ellipse: s-maj=48.8km s-min=39.3km az=143.0.

(45) California-Baja California border region

ISC X 02 10 02 21.9–.82 32.81N–.02 116.12W–.02 18–5 71 0-5
ISCJB X 02 10 02 21.3–.31 32.83N–.02 116.12W–.02 14–2 **¶601906628**
NEIC X 02 10 02 22.1–.00 32.80N 116.14W 10 2.5L
ECX X 02 10 02 22.7–.64 32.80N 116.15W 6 2.5L,2.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=7.6.
NEIC Event type fe. Felt at Alpine, Imperial, Julian and Lakeside. After PAS.
ECX Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.

(229) Off east coast of Honshu

ISC X 02 11 37 52.4–.73 39.80N–.04 143.35E–.05 30–4 4.7b,4.3s 254 1-144
NIED X 02 11 37 00 39.80N 143.40E 17 4.6W,4.3s **¶601776290**
IDC X 02 11 37 47.7–.55 39.70N 143.31E 0 4.5,4.4
JMA X 02 11 37 49.9–.20 39.79N 143.39E 28–4 4.7,4.4
ISCJB X 02 11 37 50.1–.80 39.79N–.02 143.35E–.03 24–5 4.6b,4.3s
BJI X 02 11 37 50.8 39.67N 143.01E 23 4.9b,4.8b
MOS X 02 11 37 51.7–1.1 39.81N 143.30E 36 4.9b,4.0s
NEIC X 02 11 37 53.1–1.4 39.74N 143.23E 32–10 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ14.00000°,λ46.00000°. NP2:ϕ_s40.00000°,δ80.00000°,λ100.00000°. $M_0$7.71000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=13.0km az=101.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=38.3.
MOS Error ellipse: s-maj=7.9km s-min=4.9km az=103.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.2km az=130.0. Recorded [1 JMA] in Iwate and Miyagi.

(91) Virgin Islands

RSPR X 02 13 28 08.0 19.48N 64.16W 86–7 3.5
NEIC X 02 13 28 08.0–.00 19.48N 64.16W 86 3.5 **¶601777957**
RSPR Event type ke.
NEIC Event type fe. Felt [II] at Fajardo, Puerto Rico. After RSPR.

(372) Cyprus region

ISC X 02 13 46 43.2–1.1 34.57N–.03 32.98E–.03 12–8 105 0-39
JSO X 02 13 46 23.6–9.7 36N–63 32E–50 10 4.5b,4.3 **¶601777958**
HLW X 02 13 46 36.1 35.07N 32.92E 10–19 3.5L,3.5
ISK X 02 13 46 39.1 34.38N 32.91E 5–0 3.7L,3.5
ISCJB X 02 13 46 41.7–.53 34.46N–.02 32.99E–.03 1–4 3.4b,3.5
GII X 02 13 46 41.7–.00 34.58N 33.02E 2 2.8,3.5
DDA X 02 13 46 42.8 34.56N 32.92E 20 3.6L,3.5
IDC X 02 13 46 43.0–1.7 34.41N 33.10E 0 3.7,3.6
NIC X 02 13 46 43.8–.20 34.54N 33.08E 8 3.6L,3.6
ISC Event type ke.
ISK Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=162.9.
GII Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=17.9km az=43.0.
NIC Event type fe. Felt I=II MM at Lemesos.

(122) Near coast of northern Chile

ISC X 02 14 34 59.1–.77 27.64S–.04 70.29W–.05 86–6 56 0-151
SJA X 02 14 34 54.9–.55 27.60S 69.96W 262–4 3.8L,3.7W **¶601880055**
ISCJB X 02 14 34 57.6–.42 27.63S–.03 70.22W–.06 89–5 4.0b,3.7W
NEIC X 02 14 34 58.0–.00 27.79S 70.36W 81 4.1L,3.9b
GUC X 02 14 34 58.1–.68 27.78S 70.45W 78–7 4.1L,3.9b
ISC Event type fe.
SJA Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=1.4.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=4.3km s-min=17.3km az=-1.0.

(228) Near east coast of eastern Honshu

ISC X 02 16 25 18.7–1.2 39.55N–.05 142.30E–.09 49–9 3.8b 35 0-75
NIED X 02 16 25 00 39.60N 142.30E 56 3.9W **¶601996827**
ISCJB X 02 16 25 17.7–.78 39.55N–.04 142.32E–.10 56–6 3.7b
JMA X 02 16 25 18.3 39.56N 142.30E 50–1 3.9
IDC X 02 16 25 20.1–2.5 39.48N 142.26E 68–22 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ38.00000°,λ95.00000°. NP2:ϕ_s190.00000°,δ52.00000°,λ86.00000°. $M_0$7.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=5.6km az=14.6.
JMA Event type fe.

IDC Error ellipse: s-maj=21.3km s-min=15.2km az=110.0.

(274) Southern Sumatera

ISC	**X**	**02 17 37 22.8–.29**	**2.88S–.03**	**101.95E–.03**	**111–2**	**5.2b**	**1458**	**0-177**
BJI	X	02 17 37 20.8	3.27S	101.84E	135	5.2b,5.0b		**¶601777960**
MOS	X	02 17 37 21.0–.92	2.80S	101.99E	104	5.3b,5.0b		
NEIC	X	02 17 37 22.0–.10	2.92S	101.92E	105	5.3b,5.0b		
ISCJB	X	02 17 37 22.2–.26	2.90S–.02	101.93E–.02	116–2	5.2b,5.0b		
IDC	X	02 17 37 23.1–.62	2.85S	102.01E	109–5	5.1,4.8		
DJA	X	02 17 37 23.1–.20	3S–2.0	102E–2.0	95–3	5.5b,5.5b		
GCMT	X	02 17 37 24.0–.30	2.98S–.02	101.91E–.02	114–2	5.0W,5.5b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Kapahiang.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c43; s67,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.38±.09 $M_{\theta\theta}$-1.32±.13; $M_{\phi\phi}$-1.06±.13; $M_{r\theta}$0.96±.08; $M_{\theta\phi}$-2.45±.10; $M_{\phi r}$-0.32±.10; Best double couple: NP1:ϕ_s71.00000°,δ56.00000°,λ125.00000°. NP2:ϕ_s200.00000°,δ47.00000°,λ50.00000°. Principal axes: T 2.9040,Plg61.0000° ,Azm39.0000°; N 0.7790,Plg28.0000°,Azm230.0000°; P -3.6830,Plg5.0000°,Azm137.0000° $M_0$3.29300×10^{16}

(123) Northern Chile

ISC	**X**	**02 17 50 21.4–.56**	**27.44S–.04**	**69.32W–.04**	**110–5**	**4.3b**	**104**	**1-159**
SJA	X	02 17 50 19.6–.59	27.48S	69.29W	145–4	4.3L,4.2W		**¶601867593**
ISCJB	X	02 17 50 20.4–.29	27.46S–.03	69.24W–.04	108–3	4.2b,4.2W		
NEIC	X	02 17 50 20.0–.00	27.50S	69.41W	118	4.3L,4.3b		
GUC	X	02 17 50 20.5–.75	27.50S	69.41W	120–5	4.3L,4.3b		
IDC	X	02 17 50 22.8–.93	27.42S	69.15W	117–5	4.0,3.8		

ISC Event type fe.
SJA Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=165.8.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=31.4km s-min=19.2km az=31.0.

(460) Wyoming

ISC	**X**	**02 18 07 33.4–.99**	**44.11N–.08**	**105.38W–.06**	**0**		**17**	**1-11**
ISCJB	X	02 18 07 32.5–.57	44.08N–.06	105.35W–.07	0			**¶601996831**
NEIC	X	02 18 07 33.9–.43	44.10N	105.34W	0	3.2L		
IDC	X	02 18 07 33.0–1.6	44.21N	105.68W	0	3.8,3.5		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.9km s-min=6.8km az=178.5.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=5.5km az=169.0. 25 km [15 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=66.4km s-min=8.5km az=147.0.

(317) Northeastern India

ISC	**X**	**02 18 37 38.8–.21**	**26.84N–.03**	**92.85E–.02**	**39–2**	**5.1b,4.0s**	**806**	**0-160**
ISCJB	X	02 18 37 37.8–.29	26.84N–.02	92.81E–.02	44–2	5.0b,4.0s		**¶601777961**
MOS	X	02 18 37 37.0–.89	26.81N	92.86E	40	5.2b,4.0s		
BJI	X	02 18 37 37.6	26.98N	93.06E	7	4.8b,4.7b		
GCMT	X	02 18 37 38.7–.50	26.78N–.03	92.95E–.02	36–1	4.9W,4.7b		
IDC	X	02 18 37 38.5–.38	26.91N	92.92E	37–2	4.9L,4.8		
NEIC	X	02 18 37 38.7–.10	26.88N	92.82E	37	5.2b,4.8		
NDI	X	02 18 37 39.6–2.4	26.86N	92.91E	37	5.2b,5.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=25.6.
MOS Error ellipse: s-maj=7.6km s-min=3.8km az=121.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s71,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.20 $M_{\theta\theta}$-1.81±.12; $M_{\phi\phi}$0.12±.11; $M_{r\theta}$0.37±.10; $M_{\theta\phi}$1.52±.07; $M_{\phi r}$0.94±.10; Best double couple: NP1:ϕ_s329.00000°,δ56.00000°,λ134.00000°. NP2:ϕ_s89.00000°,δ53.00000°,λ44.00000°. Principal axes: T 2.3890,Plg55.0000° ,Azm297.0000°; N 0.2560,Plg35.0000°,Azm121.0000°; P -2.6480,Plg2.0000°,Azm29.0000° $M_0$2.51800×10^{16}
IDC Error ellipse: s-maj=8.8km s-min=7.8km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=45.0. Felt [IV] at Itanagar and Tezpur. Also felt at Bokokhat, Guwahati, North Guwahati, Rangia and Shillong.
NDI Error ellipse: s-maj=5.2km s-min=5.3km az=-1.0.

(77) Off coast of Costa Rica

ISC	**X**	**02 22 42 09.3–1.1**	**10.08N–.06**	**85.51W–.04**	**26–7**	**3.8b**	**36**	**0-151**
NEIC	X	02 22 42 00.0–.00	9.97N	85.54W	10	3.9		**¶601838461**
IDC	X	02 22 42 05.8–1.6	10.86N	84.53W	0	4.2,3.8		
ISCJB	X	02 22 42 06.7–1.1	9.93N–.05	85.67W–.04	14–6	3.6b,2.9s		
UCR	X	02 22 42 08.5–1.4	10.00N	85.60W	17–5	4.6b,3.3L		

ISC Event type fe.
NEIC Event type fe. Felt at Hojancha, Nicoya, Samara and Santa Cruz. After HDC.
IDC Error ellipse: s-maj=40.1km s-min=8.9km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.6km az=20.3.
UCR Error ellipse: s-maj=4.3km s-min=3.8km az=-1.0.

(545) Northern Italy

ISC	**X**	**03 09 20 44.5–.69**	**44.59N–.01**	**7.19E–.01**	**11–4**	**4.0b**	**625**	**0-145**
BGR	X	03 09 20 39.4–2.1	44.06N	7.28E	10	4.3L		**¶601780216**
MOS	X	03 09 20 43.2–.90	44.62N	7.35E	17	4.5b		
ISCJB	X	03 09 20 43.3–.20	44.597N–.01	7.24E–.01	12–1	4.1b		
ROM	X	03 09 20 43.6–.15	44.584N–.01	7.23E–.01	10–1	3.8L		
IDC	X	03 09 20 44.5–.75	44.58N	7.42E	0	4.5L,4.1		
NEIC	X	03 09 20 44.7–.21	44.59N	7.32E	10	4.5b,4.2L		
ZUR	X	03 09 20 44.1	44.58N	7.35E	5–2	4.0,4.2L		
GEN	X	03 09 20 44.2	44.57N	7.21E	8–1	3.9L,4.2L		
PRU	X	03 09 20 44.3–.00	44.57N	7.38E	0	4.5,4.2L		
LDG	X	03 09 20 44.2–.04	44.58N	7.22E	10	4.5L,3.9		
BNS	X	03 09 20 44.6–.35	44.53N	7.36E	10	4.0L,3.9		
BGS	X	03 09 20 45.0–1.9	44.59N	7.24E	5	4.6L,4.6L		

ISC Event type fe.
BGR Event type ke. Error ellipse: s-maj=48.9km s-min=22.2km az=169.0.
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=76.6.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=148.4.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=18.0km s-min=13.3km az=126.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=174.0. Felt [IV] at Cavour, Dronero, Fossano, None, Saluzzo and Torre Pellice; [III] at Cuneo, Pinerolo and Turin. Felt widely in Piemonte. Felt [III] at Nice, France. Also felt at Menton, Mougins, Toulon and Valbonne.
ZUR Event type ke. Error ellipse: s-maj=5.5km s-min=1.1km az=197.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=60.0.
BNS Event type ke.
BGS Error ellipse: s-maj=343.2km s-min=350.4km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**03 09 39 59.3–.36**	**38.08N–.03**	**141.96E–.03**	**47–2**	**4.9b,4.2s**	**844**	**1-160**
NIED	X	03 09 39 00	38.10N	141.90E	47	4.8W,4.2s		**¶606039393**
BJI	X	03 09 39 55.6	37.99N	142.02E	40	5.0b,5.0b		
MOS	X	03 09 39 58.9–.93	38.28N	141.83E	45	5.1b,5.0b		
JMA	X	03 09 39 59.4–.10	38.05N	141.91E	51–1	5.0,5.0b		
ISCJB	X	03 09 39 59.8–.28	38.06N–.02	141.83E–.02	61–2	4.9b,5.0b		
IDC	X	03 09 39 59.5–.44	38.04N	141.84E	48–3	4.7,4.6		
NEIC	X	03 09 40 00.9–.39	38.05N	141.83E	56–3	4.9b,4.6		
GCMT	X	03 09 40 00.9–.40	38.15N–.02	141.91E–.03	64–7	4.8W,4.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ8.00000°,λ47.00000°. NP2: ϕ_s228.00000°,δ85.00000°,λ95.00000°. $M_0$1.95000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s356.00000°,δ86.00000°,λ-82.00000°. NP2:ϕ_s111.00000°,δ8.00000°,λ-155.00000°. Principal axes: T Plg41.0000°,Azm79.0000°; N Plg8.0000°,Azm176.0000°; P Plg48.0000° ,Azm274.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt at Higashimatsushima and Oshu. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c22; s71,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.71±.16 $M_{\theta\theta}$-0.65±.15; $M_{\phi\phi}$-0.05±.16; $M_{r\theta}$-1.38±.09; $M_{\theta\phi}$-0.08±.13; $M_{\phi r}$-1.29±.08; Best double couple: NP1:ϕ_s230.00000°,δ81.00000°,λ82.00000°. NP2:ϕ_s93.00000°,δ12.00000°,λ133.00000°. Principal axes: T 2.1160,Plg53.0000° ,Azm130.0000°; N -0.2310,Plg8.0000°,Azm231.0000°; P -1.8850,Plg36.0000° ,Azm327.0000° $M_0$2.00100×10^{16}

(227) Eastern Honshu

ISC	**X**	**03 11 04 58.5–.80**	**39.37N–.04**	**142.05E–.06**	**60–6**	**4.1b**	**75**	**0-145**
NIED	X	03 11 04 00	39.40N	142.00E	59	4.0W		**¶601874832**
ISCJB	X	03 11 04 57.3–.47	39.38N–.03	142.06E–.06	65–3	3.9b		
JMA	X	03 11 04 58.3	39.37N	142.00E	60–1	4.1		
NEIC	X	03 11 04 59.7–1.2	39.39N	142.07E	73–10	4.5b		
IDC	X	03 11 05 01.5–2.2	39.36N	141.90E	90–20	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ36.00000°,λ135.00000°. NP2:ϕ_s140.00000°,δ65.00000°,λ63.00000°. $M_0$1.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=3.9km az=21.8.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=20.6km s-min=8.8km az=126.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=17.2km s-min=12.7km az=112.0.

(273) Southwest of Sumatera

ISC	**X**	**03 13 32 37.4–.45**	**0.43S–.03**	**97.66E–.03**	**19–1**	**5.5s,5.5b**	**961**	**1-159**
ISCJB	X	03 13 32 32.9–.53	0.44S–.02	97.68E–.02	1–3	5.5s,5.4b		**¶601780657**
IDC	X	03 13 32 34.4–.37	0.39S	97.74E	0	5.1,5.1s		
NEIC	X	03 13 32 34.9–.14	0.43S	97.67E	9	5.7W,5.6b		
BJI	X	03 13 32 35.3	0.34S	97.71E	10	6.0s,5.8		
DJA	X	03 13 32 35.6–.20	0S–2.0	98E–3.0	10	6.0b,5.9		
MOS	X	03 13 32 35.8–1.0	0.35S	97.75E	20	5.6b,5.3s		
GCMT	X	03 13 32 36.9–.10	0.55S–.01	97.25E–.01	14–0	5.5W,5.3s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] on Nias and at Payakumbuh, Sumatra. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.55 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}3.19 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-1.72 $M_{r\theta}$1.83 $M_{\theta\phi}$0.72 $M_{\phi r}$-3.10 Best double couple: NP1:ϕ_s147.00000°,δ71.00000°,λ93.00000°. NP2: ϕ_s319.00000°,δ19.00000°,λ82.00000°. Principal axes: T 4.9800,Plg64.0000°,Azm62.0000° ; N -0.8900,Plg3.0000°,Azm326.0000°; P -4.0800,Plg26.0000°,Azm235.0000° $M_0$4.60000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ10.00000°,λ-90.00000°. NP2:ϕ_s145.00000°,δ80.00000°,λ-90.00000°. Principal axes: T Plg35.0000°,Azm235.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000° ,Azm55.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c155; s107,c228;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.59±.02; $M_{r\theta}$0.53±.04; $M_{\theta\phi}$0.58±.01; $M_{\phi r}$-1.38±.06; Best double couple: NP1:ϕ_s152.00000°,δ71.00000°,λ102.00000°. NP2:ϕ_s300.00000°,δ22.00000°,λ60.00000°. Principal axes: T 1.9940,Plg63.0000° ,Azm80.0000°; N -0.1600,Plg11.0000°,Azm328.0000°; P -1.8330,Plg25.0000° ,Azm233.0000° $M_0$1.91400×10^{17}

(545) Northern Italy

ISC	**X**	**03 14 41 29.1–.78**	**44.81N–.02**	**9.77E–.02**	**23–6**	**4.2b**	**669**	**0-145**
BJI	X	03 14 41 23.0	44.45N	9.50E	10	5.2b,4.7b		**¶601780659**
BGR	X	03 14 41 26.5–.95	44.61N	9.78E	10	4.7L,4.7b		
IDC	X	03 14 41 26.2–.67	44.76N	9.76E	0	4.2L,4.1		
LDG	X	03 14 41 28.6–.07	44.84N	9.79E	20	4.4L,3.9		
BNS	X	03 14 41 28.9–.65	44.82N	9.84E	10	4.0L,3.9		
PDG	X	03 14 41 28.9–1.2	44.86N	9.78E	24–1	4.6L,3.9		
GEN	X	03 14 41 28.9	44.84N	9.74E	20–5	4.5L,3.9		
NEIC	X	03 14 41 29.4–.65	44.82N	9.81E	22–6	4.5L,4.5b		
ROM	X	03 14 41 29.4–.08	44.783N–.01	9.670E–.01	24–1	4.5L,4.5b		
VIE	X	03 14 41 30.4–1.1	44.80N	9.90E	19–13	4.4L,4.3s		
PRU	X	03 14 41 31.8–.00	45.02N	10.04E	3	4.5,4.3s		

ISC Event type fe.
BGR Event type ke. Error ellipse: s-maj=15.6km s-min=13.3km az=169.0.
IDC Error ellipse: s-maj=15.1km s-min=9.8km az=120.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=30.0.
BNS Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=189.0. Felt [V] at Carpaneto Piacentino; [IV] at Fiorenzuola d'Arda, Noceto and Salsomaggiore Terme; [III] at Bergamo, Bologna, Cremona, Genoa, La Spezia, Mantova, Massa, Modena, Padova, Piacenza, Reggio nell'Emilia and Verona; [II] at Brescia, Florence, Milan, Parma, Pisa and Turin. Felt in much of northern Italy.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=9.1km s-min=4.9km az=37.0. 88 km ENE of Genova .

(460) Wyoming

ISC	**X**	**03 18 11 06.1–.80**	**43.82N–.06**	**105.33W–.06**	**0**		**22**	**1-90**
ISCJB	X	03 18 11 05.1–.51	43.80N–.06	105.32W–.06	0	4.0b,3.2s		**¶601996967**
NEIC	X	03 18 11 06.7–.52	43.82N	105.29W	0	3.3L,3.2s		
IDC	X	03 18 11 07.5–.96	44.03N	105.68W	0	4.0b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.2km s-min=6.4km az=159.8.
NEIC Event type fm. Error ellipse: s-maj=8.9km s-min=6.9km az=158.0. 57 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=8.2km az=147.0.

(259) Mindanao

ISC	**X**	**03 18 28 33.7–.39**	**5.85N–.03**	**127.00E–.04**	**150–3**	**5.3b**	**987**	**1-171**
BJI	X	03 18 28 29.0	5.56N	127.12E	145	5.5b,5.1b		**¶601780668**
GCMT	X	03 18 28 30.9–.20	5.90N–.01	126.99E–.02	143–2	5.0W,5.1b		
ISCJB	X	03 18 28 32.4–.26	5.86N–.02	126.99E–.02	150–2	5.2b,5.1b		
IDC	X	03 18 28 33.9–.61	5.84N	126.95E	152–4	5.3,5.0		
MOS	X	03 18 28 33.5–.93	5.89N	126.91E	159	5.4b,5.0		
NEIC	X	03 18 28 33.9–.57	5.86N	126.95E	150–5	5.4b,5.0		
DJA	X	03 18 28 35.8–.70	6N–7.0	127E–4.0	104–11	5.8,5.6b		
MAN	X	03 18 28 41.6	6.54N	126.62E	162	5.8b,5.3s		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c57; s102,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.11 $M_{\theta\theta}$-3.38±.12; $M_{\phi\phi}$-0.04±.13; $M_{r\theta}$2.42±.10; $M_{\theta\phi}$1.90±.13; $M_{\phi r}$0.60±.11; Best double couple: NP1:ϕ_s93.00000°,δ62.00000°,λ67.00000°. NP2:ϕ_s316.00000°,δ36.00000°,λ127.00000°. Principal axes: T 4.5070,Plg65.0000° ,Azm322.0000°; N 0.2260,Plg21.0000°,Azm105.0000°; P -4.7350,Plg14.0000° ,Azm200.0000° $M_0$4.62100×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=160.5.
IDC Error ellipse: s-maj=8.8km s-min=5.7km az=65.0.
MOS Error ellipse: s-maj=7.3km s-min=4.0km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=73.0. Felt [II PIVS] at Mati.

(37) Nevada

ISC	**X**	**03 19 51 08.8–.82**	**39.72N–.02**	**119.44W–.02**	**10**		**94**	**0-7**
NEIC	X	03 19 51 08.4–.00	39.72N	119.44W	11	3.8L,3.4W		**¶601782837**
ISCJB	X	03 19 51 09.4–.25	39.66N–.02	119.48W–.02	10	3.8L,3.4W		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Reno and Sparks. Also felt at Fernley and Nixon. After REN. Moment Tensor Solution. s15 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.18 $M_{\theta\theta}$0.56 $M_{\phi\phi}$0.61 $M_{r\theta}$0.28 $M_{\theta\phi}$1.30 $M_{\phi r}$-0.52 Best double couple: NP1:ϕ_s254.00000°,δ51.00000°,λ-45.00000°. NP2:ϕ_s16.00000°,δ57.00000°,λ-131.00000°. Principal axes: T 1.9000,Plg3.0000° ,Azm134.0000°; N -0.3500,Plg33.0000°,Azm41.0000°; P -1.5600,Plg56.0000° ,Azm229.0000° $M_0$1.80000×10^{14}
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**X**	**03 20 02 18.5–1.6**	**36.84N–.07**	**141.24E–.10**	**47–12**	**3.5b**	**26**	**0-61**
NIED	X	03 20 02 00	36.80N	141.10E	38	3.6W		**¶606039587**
ISCJB	X	03 20 02 17.9–.94	36.85N–.06	141.24E–.09	56–7	3.5b		
JMA	X	03 20 02 20.6–.10	36.85N	141.03E	50–1	3.8		
IDC	X	03 20 02 20.6–2.8	37.01N	141.15E	68–25	3.6,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ31.00000°,λ3.00000°. NP2:ϕ_s24.00000°,δ88.00000°,λ121.00000°. $M_0$2.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.8km az=32.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=14.2km az=121.0.

(115) Near coast of Peru

ISC	**X**	**03 22 48 56.7–.30**	**14.47S–.04**	**76.21W–.06**	**29**	**4.9b,4.4s**	**587**	**3-174**
IDC	X	03 22 48 52.0–.51	14.34S	76.22W	0	4.8,4.7		**¶601781441**
MOS	X	03 22 48 55.3–1.4	14.33S	76.18W	26	5.0b,4.5s		

ISCJB	X	03 22 48 55.5–.16	14.25S–.03	76.09W–.04	33	4.9b,4.4s		
NEIC	X	03 22 48 56.5–1.4	14.29S	76.05W	24–10	4.9b,4.8L		
BJI	X	03 22 48 58.8	14.30S	76.00W	36	5.3b,5.1s		
GCMT	X	03 22 48 59.5–.40	14.35S–.02	76.44W–.03	29–1	5.1W,5.1s		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [III] at Ica and Pisco. Also felt at Lima and Pozo Santo.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c47; s64,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.94±.21 $M_{\theta\theta}$-0.69±.12; $M_{\phi\phi}$-3.25±.14; $M_{r\theta}$0.71±.17; $M_{\theta\phi}$1.13±.07; $M_{\phi r}$-3.84±.23; Best double couple: NP1:ϕ_s166.00000°,δ68.00000°,λ95.00000°. NP2:ϕ_s333.00000°,δ23.00000°,λ78.00000°. Principal axes: T 5.6120,Plg67.0000° ,Azm85.0000°; N -0.3210,Plg5.0000°,Azm345.0000°; P -5.2940,Plg23.0000°,Azm253.0000° M_o5.45300×10^{16}							
	(250) Mindoro							
ISC	**X**	**04 01 55 19.9–.41**	**13.11N–.02**	**120.43E–.03**	**58–3**	**5.2b,4.1s**	**645**	**1-167**
MAN	X	04 01 55 16.0	13.09N	120.33E	28	5.8b,5.3s		**¶601781446**
MOS	X	04 01 55 16.9–.92	13.30N	120.71E	47	5.4b,4.2s		
BJI	X	04 01 55 17.6	13.21N	120.67E	55	4.9b,4.9b		
GCMT	X	04 01 55 17.7–.40	13.21N–.03	120.35E–.03	50–3	5.0W,4.9b		
ISCJB	X	04 01 55 18.6–.34	13.20N–.02	120.65E–.03	62–3	5.1b,4.9b		
IDC	X	04 01 55 20.6–1.4	13.25N	120.66E	69–12	4.7,4.6		
NEIC	X	04 01 55 21.7–.52	13.25N	120.66E	77–4	5.1b,4.6		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=9.4km s-min=4.5km az=122.1.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s56,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.29 $M_{\theta\theta}$1.83±.21; $M_{\phi\phi}$-5.03±.21; $M_{r\theta}$0.96±.13; $M_{\theta\phi}$0.85±.10; $M_{\phi r}$-0.91±.24; Best double couple: NP1:ϕ_s151.00000°,δ57.00000°,λ60.00000°. NP2:ϕ_s18.00000°,δ44.00000°,λ128.00000°. Principal axes: T 3.7110,Plg64.0000° ,Azm7.0000°; N 1.5370,Plg25.0000°,Azm169.0000°; P -5.2590,Plg7.0000°,Azm262.0000° M_o4.48500×10^{16}							
ISCJB	Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=156.9.							
IDC	Error ellipse: s-maj=14.5km s-min=9.4km az=71.0.							
NEIC	Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=70.0. Felt [IV PIVS] at Pinamalayan and San Jose. Also felt at Calapan, Mamburao and Victoria. Felt [IV PIVS] at Batangas; [III PIVS] at Pasay; [II PIVS] at Malabon and Quezon City; [I PIVS] at Tagaytay, Luzon. Felt [II] at Manila. Also felt at Bacoor and San Pablo.							
	(284) South of Bali							
ISC	**X**	**04 03 51 35.4–2.2**	**10.75S–.04**	**113.97E–.04**	**16–13**	**4.8b,3.6s**	**480**	**2-153**
BJI	X	04 03 51 32.5	10.80S	114.00E	8	5.1b,4.7b		**¶601781450**
NEIC	X	04 03 51 34.8–.18	10.63S	114.04E	10	4.8b,4.7b		
ISCJB	X	04 03 51 34.8–.99	10.74S–.02	113.94E–.02	26–7	4.7b,3.6s		
MOS	X	04 03 51 36.2–.95	10.53S	114.16E	33	4.9b,3.6s		
DJA	X	04 03 51 37.0–.70	11S–3.0	114E–2.0	12–7	5.8,5.3b		
IDC	X	04 03 51 39.3–2.0	10.57S	114.13E	43–19	4.7L,4.6		
ISC	Event type fe.							
NEIC	Event type fe. Error ellipse: s-maj=7.7km s-min=4.9km az=52.0. Felt [II] at Kuta.							
ISCJB	Event type fe. Error ellipse: s-maj=4.6km s-min=3.4km az=43.9.							
MOS	Error ellipse: s-maj=12.2km s-min=6.9km az=120.1.							
IDC	Error ellipse: s-maj=13.3km s-min=9.7km az=54.0.							
	(286) Flores region							
ISC	**X**	**04 06 38 49.5–.29**	**8.25S–.04**	**123.66E–.05**	**35**	**4.9b,3.9s**	**226**	**1-153**
BJI	X	04 06 38 38.7	8.87S	123.78E	5	5.0b,4.9b		**¶601781455**
IDC	X	04 06 38 45.4–.44	8.16S	123.62E	0	4.7,4.7b		
NEIC	X	04 06 38 45.0–.29	8.22S	123.45E	10	4.9b,4.7b		
DJA	X	04 06 38 45.0–.20	8S–2.0	124E–2.0	10	5.3b,5.0b		
ISCJB	X	04 06 38 47.7–.17	8.25S–.03	123.80E–.03	33	4.8b,3.9s		
MOS	X	04 06 38 47.1–1.5	8.07S	123.63E	31	5.2b,3.9s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=16.8km s-min=9.4km az=80.0.							
NEIC	Event type fe. Error ellipse: s-maj=7.9km s-min=5.6km az=60.0. Felt [IV] on Pulau Kawula.							
ISCJB	Event type fe. Error ellipse: s-maj=5.4km s-min=3.1km az=146.4.							
MOS	Error ellipse: s-maj=14.4km s-min=7.3km az=117.4.							
	(45) California-Baja California border region							
ISC	**X**	**04 13 12 28.9–.95**	**32.73N–.03**	**115.49W–.02**	**23–7**		**66**	**0-3**
ECX	X	04 13 12 28.6–.45	32.73N	115.53W	13	2.9L,2.7		**¶601890548**
ISCJB	X	04 13 12 29.4–.37	32.75N–.02	115.51W–.02	15–3	2.9L,2.7		
NEIC	X	04 13 12 29.9–.00	32.75N	115.50W	15	2.9L,2.9L		
MEX	X	04 13 12 31.4–.39	32.81N	115.42W	16–37	3.6,2.9L		
ISC	Event type fe.							
ECX	Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=175.6.							
NEIC	Event type fe. Felt [IV] at Heber and [III] at El Centro and Imperial. Also felt at Calexico. After PAS.							
MEX	Error ellipse: s-maj=43.1km s-min=21.7km az=-1.0.							
	(76) Off coast of central America							
ISC	**X**	**04 14 26 13.7–2.1**	**12.59N–.09**	**88.66W–.05**	**17–11**		**42**	**1-14**
NEIC	X	04 14 26 15.0–.00	12.62N	88.64W	37	3.6		**¶601839922**
UCR	X	04 14 26 16.3–1.4	12.64N	88.64W	37–999	3.7L		
ISC	Event type fe.							
NEIC	Event type fe. Felt [I] at Usulutan. After SNET.							
UCR	Error ellipse: s-maj=12.2km s-min=5.9km az=-1.0.							
	(259) Mindanao							
ISC	**X**	**04 14 45 32.1–.54**	**9.86N–.03**	**126.49E–.04**	**49–4**	**4.7b,4.5s**	**329**	**1-170**
BJI	X	04 14 45 21.2	9.38N	126.46E	10	5.1b,4.8s		**¶601782845**
IDC	X	04 14 45 25.0–.34	9.85N	126.33E	0	4.7,4.7		
MOS	X	04 14 45 27.4–.79	9.74N	126.29E	33	5.1b,4.7s		
MAN	X	04 14 45 28.5	9.86N	126.61E	19	5.8b,5.2s		
ISCJB	X	04 14 45 30.9–.47	9.88N–.02	126.53E–.03	59–4	4.7b,4.5s		
NEIC	X	04 14 45 30.2–.18	9.83N	126.34E	35	4.9b,4.5s		
GCMT	X	04 14 45 31.2–.20	9.84N–.01	126.57E–.01	16–0	5.2W,4.5s		
DJA	X	04 14 45 33.6–1.0	10N–6.0	127E–5.0	92–8	5.8,5.4b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt at Madrid.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c100; s103,c165;Duration: 1ŧ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$0.75±.06; Best double couple: NP1:ϕ_s356.00000°,δ73.00000°,λ93.00000°. NP2:ϕ_s166.00000°,δ17.00000°,λ80.00000°. Principal axes: T 0.8700,Plg62.0000° ,Azm271.0000°; N 0.0540,Plg3.0000°,Azm175.0000°; P -0.9240,Plg28.0000°,Azm84.0000° M_o0.89700×10^{17}							
	(19) Southeastern Alaska							
ISC	**X**	**04 16 25 02.1–.48**	**59.01N–.03**	**136.86W–.03**	**10**	**3.6b**	**104**	**1-141**
ISCJB	X	04 16 25 00.9–.27	59.00N–.02	136.74W–.05	10	3.6b		**¶601782848**
IDC	X	04 16 25 01.6–.78	59.15N	136.61W	0	3.9,3.7		
PGC	X	04 16 25 03.9–.01	59.06N	136.73W	10	4.0L,3.7		
NEIC	X	04 16 25 03.1–.00	58.98N	136.75W	4	4.0L,3.9L		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=137.5.							
IDC	Error ellipse: s-maj=18.6km s-min=8.4km az=36.0.							
PGC	Event type ke. 85km west of Haines, Ak Southeastern Alaska.							
NEIC	Event type fe. Felt at Gustavus, Haines, Juneau and Skagway. After AEIC.							
	(228) Near east coast of eastern Honshu							
ISC	**X**	**04 22 48 08.0–1.1**	**36.02N–.03**	**140.17E–.07**	**63–8**	**3.7b**	**43**	**0-83**
IDC	X	04 22 47 58.0–1.1	36.20N	140.76E	0	3.9,3.8		**¶601833130**
NEIC	X	04 22 48 03.7–.95	36.16N	140.60E	35	4.3b,3.8		
ISCJB	X	04 22 48 08.4–.49	36.07N–.03	140.07E–.06	80–3	3.6b,3.8		
JMA	X	04 22 48 10.1–.10	36.09N	140.01E	67–1	3.4,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=39.1km s-min=19.5km az=72.0.							
NEIC	Event type se. Error ellipse: s-maj=17.7km s-min=15.8km az=65.0.							
ISCJB	Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=3.0.							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ60.00000°,λ88.00000°. NP2: ϕ_s189.00000°,δ30.00000°,λ93.00000°. Principal axes: T Plg75.0000°,Azm271.0000° ; N Plg1.0000°,Azm7.0000°; P Plg15.0000°,Azm97.0000°							
	(72) Honduras							
ISC	**X**	**05 05 27 59.6–.89**	**13.35N–.04**	**87.81W–.03**	**9–6**		**29**	**0-4**
UCR	X	05 05 27 59.8–1.7	13.35N	87.83W	3–6	3.6L		**¶601901415**
NEIC	X	05 05 27 59.0–.00	13.33N	87.82W	6	3.6		
ISCJB	X	05 05 28 00.1–.57	13.38N–.03	87.82W–.03	2–5	3.6		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] at La Union. After SNET.							
ISCJB	Event type fe.							
	(72) Honduras							
ISC	**X**	**05 05 31 27.4–.88**	**13.35N–.04**	**87.83W–.03**	**8–6**		**39**	**0-5**
ISCJB	X	05 05 31 27.5–.46	13.37N–.04	87.84W–.03	6–4			**¶601901416**
UCR	X	05 05 31 27.5–1.5	13.34N	87.83W	5–3	3.6L		
NEIC	X	05 05 31 28.1–1.1	13.38N	87.80W	10	3.6		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=6.3km s-min=3.6km az=24.5.							
UCR	Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=15.1km s-min=10.2km az=55.0. Felt [III] at La Union, El Salvador.							
	(72) Honduras							
ISC	**X**	**05 06 38 30.2–1.1**	**13.40N–.04**	**87.82W–.03**	**6–9**		**42**	**0-5**
ISCJB	X	05 06 38 30.7–.52	13.38N–.03	87.83W–.02	4–4			**¶601901417**
UCR	X	05 06 38 30.9–1.9	13.34N	87.83W	5–4	3.9L		
NEIC	X	05 06 38 31.8–1.1	13.40N	87.83W	10	3.9		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=5.7km s-min=3.3km az=20.8.							
UCR	Error ellipse: s-maj=6.1km s-min=3.8km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=16.7km s-min=11.2km az=58.0. Felt [III] at La Union.							
	(245) Northeast of Taiwan							
ISC	**X**	**05 08 13 19.5–.30**	**26.26N–.03**	**125.21E–.03**	**163–2**	**5.0b**	**972**	**1-178**
NIED	X	05 08 13 00	26.40N	125.10E	155	5.0W		**¶601792799**
MOS	X	05 08 13 17.5–1.0	26.32N	125.08E	154	5.1b		
ISCJB	X	05 08 13 18.0–.16	26.25N–.02	125.16E–.02	159–1	4.9b		
BJI	X	05 08 13 18.8	26.25N	125.20E	155	5.1b,5.0b		
GCMT	X	05 08 13 19.0–.20	26.16N–.02	125.19E–.02	176–1	5.0W,5.0b		
JMA	X	05 08 13 19.0–.20	26.29N	125.15E	152	5.2,5.0b		
IDC	X	05 08 13 20.1–.64	26.32N	125.17E	169–5	5.1,4.7		
NEIC	X	05 08 13 20.0–.31	26.27N	125.08E	165–2	5.0b,4.7		
ISC	Event type fe.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ38.00000°,λ-100.00000°. NP2:ϕ_s318.00000°,δ52.00000°,λ-82.00000°. M_o2.99000×10^{16}							
MOS	Error ellipse: s-maj=6.7km s-min=4.2km az=112.6.							
ISCJB	Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=145.4.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c59; s99,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.38±.11 $M_{\theta\theta}$2.90±.14; $M_{\phi\phi}$0.47±.15; $M_{r\theta}$-1.14±.10; $M_{\theta\phi}$-2.58±.12; $M_{\phi r}$-1.95±.10; Best double couple: NP1:ϕ_s330.00000°,δ54.00000°,λ-49.00000°. NP2:ϕ_s95.00000°,δ53.00000°,λ-132.00000°. Principal axes: T 4.5400,Plg1.0000° ,Azm33.0000°; N 0.2450,Plg32.0000°,Azm123.0000°; P -4.7860,Plg58.0000°,Azm302.0000° M_o4.66300×10^{16}							
JMA	Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.							
IDC	Error ellipse: s-maj=10.1km s-min=7.4km az=83.0.							
NEIC	Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=136.0. Felt at Chatan and Yomitan, Ryukyu Islands. Recorded [2 JMA] on Miyako-jima.							
	(135) Near coast of central Chile							
ISC	**X**	**05 08 44 53.3–.73**	**34.80S–.05**	**71.95W–.08**	**45–7**	**4.0b**	**43**	**0-84**
SJA	X	05 08 44 48.3–.65	35.05S	72.06W	64–26	4.2W,3.8L		**¶601833142**
IDC	X	05 08 44 48.5–1.6	34.58S	71.64W	0	3.9L,3.8		
GUC	X	05 08 44 51.9–.65	34.90S	71.94W	60–5	4.1L,3.8		
NEIC	X	05 08 44 51.0–.00	34.90S	71.94W	60	4.4b,4.1L		
ISCJB	X	05 08 44 52.6–.59	34.80S–.04	71.98W–.09	56–5	3.9b,3.2s		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] at Lolol, Pelarco, Pencahue, Rancagua, Rio Claro, San Fernando and Talca and [II] at Cauquenes, Constitucion, Curico and Sagrada Familia. After GUC.							
ISCJB	Event type fe.							
	(366) Turkey							
ISC	**X**	**05 10 25 28.2–.94**	**39.37N–.01**	**33.82E–.02**	**4–6**	**4.3b,3.5s**	**313**	**0-92**
MOS	X	05 10 25 26.7–1.3	39.33N	33.80E	10	4.5b,3.5s		**¶601784061**
ISCJB	X	05 10 25 27.8–.31	39.40N–.01	33.77E–.02	9–2	4.2b,3.4s		
IDC	X	05 10 25 27.4–.63	39.36N	33.79E	0	4.1,4.1b		
ISK	X	05 10 25 27.9	39.37N	33.76E	5–0	4.5L,4.1b		
DDA	X	05 10 25 27.3	39.35N	33.80E	20	4.5L,4.1b		
IASPE	X	05 10 25 28.3–1.0	39.37N–.02	33.81E–.02	6–8	4.3b,3.5s		
NEIC	X	05 10 25 28.0–.00	39.37N	33.75E	5	4.5L,4.5L		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=5.7km s-min=4.3km az=85.7.							
ISCJB	Event type fe. Error ellipse: s-maj=2.0km s-min=1.9km az=162.7.							
IDC	Error ellipse: s-maj=12.4km s-min=6.7km az=62.0.							
ISK	Event type ke.							
DDA	Event type ke.							
IASPE	Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=87.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.							
NEIC	Event type fe. Felt at Ankara. After ISK.							
	(286) Flores region							
ISC	**X**	**05 10 34 10.8–.60**	**8.25S–.04**	**123.62E–.05**	**35**	**4.4b,3.1s**	**50**	**1-80**
IDC	X	05 10 34 06.1–1.1	8.04S	124.20E	0	4.3,4.2		**¶601790318**
NEIC	X	05 10 34 07.9–.56	8.22S	123.61E	10	4.4b,4.2		
ISCJB	X	05 10 34 08.1–.33	8.18S–.03	123.67E–.03	33	4.3b,3.1s		
DJA	X	05 10 34 08.4–.30	8S–3.0	124E–4.0	10	5.3b,4.7		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] on Pulau Kawula.							
ISCJB	Event type fe.							
	(227) Eastern Honshu							
JMA	**X**	**05 15 11 20.3**	**35.03N**	**137.24E**	**38**	**3.3**		
NIED	X	05 15 11 00	35.00N	137.30E	35	3.5W		**¶603684781**
JMA	Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s60.00000°,δ87.00000°,λ-17.00000°. NP2:ϕ_s150.00000°,δ73.00000°,λ-177.00000°. Principal axes: T Plg10.0000°,Azm106.0000°; N Plg73.0000°,Azm231.0000°; P Plg14.0000° ,Azm14.0000°							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ54.00000°,λ-161.00000°. NP2:ϕ_s55.00000°,δ75.00000°,λ-37.00000°. M_o2.08000×10^{14}							
	(227) Eastern Honshu							
ISC	**X**	**05 16 19 03.9–.63**	**40.00N–.03**	**140.69E–.03**	**13–3**	**4.8b,4.1s**	**484**	**0-160**
ISCJB	X	05 16 19 00.9–.57	40.00N–.02	140.49E–.02	0–3	4.8b,4.0s		**¶601790332**
NIED	X	05 16 19 00	40.00N	140.60E	5	4.7W,4.0s		
IDC	X	05 16 19 01.6–.41	39.96N	140.54E	0	4.8,4.6		
JMA	X	05 16 19 01.8	39.99N	140.61E	3–1	4.9,4.6		
BJI	X	05 16 19 02.4	39.86N	140.69E	11	4.9b,4.7s		
GCMT	X	05 16 19 04.4–.30	40.10N–.02	140.58E–.02	12	4.7W,4.7s		
MOS	X	05 16 19 05.6–1.0	39.94N	140.51E	37	4.9b,4.1s		
NEIC	X	05 16 19 07.5–.57	39.98N	140.43E	38–5	4.9b,4.1s		
ISC	Event type se.							
ISCJB	Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=151.0.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s288.00000°,δ75.00000°,λ5.00000°. NP2:ϕ_s196.00000°,δ85.00000°,λ165.00000°. M_o1.14000×10^{16}							
IDC	Error ellipse: s-maj=12.5km s-min=9.3km az=109.0.							
JMA	Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s208.00000°,δ70.00000°,λ157.00000°. NP2:ϕ_s307.00000°,δ68.00000°,λ21.00000°. Principal axes: T Plg30.0000°,Azm167.0000°; N Plg60.0000°,Azm350.0000°; P Plg1.0000° ,Azm258.0000°							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c11; s78,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.07 $M_{\theta\theta}$0.68±.06; $M_{\phi\phi}$-1.15±.06; $M_{r\theta}$-0.04±.19; $M_{\theta\phi}$1.14±.05; $M_{\phi r}$0.03±.17; Best double couple: NP1:ϕ_s289.00000°,δ90.00000°,λ2.00000°. NP2:ϕ_s199.00000°,δ88.00000°,λ180.00000°. Principal axes: T 1.2270,Plg1.0000° ,Azm154.0000°; N 0.4720,Plg88.0000°,Azm295.0000°; P -1.6980,Plg1.0000°,Azm64.0000° M_o1.46200×10^{16}							
MOS	Error ellipse: s-maj=7.9km s-min=5.3km az=88.9.							
NEIC	Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=135.0. Recorded [3 JMA] in Akita.							
	(135) Near coast of central Chile							
ISC	**X**	**05 16 20 42.5–2.0**	**34.94S–.05**	**72.67W–.09**	**22–16**		**40**	**1-94**
GUC	X	05 16 20 41.4–.70	34.86S	72.70W	20–5	4.2L		**¶601795288**
NEIC	X	05 16 20 41.0–.00	34.86S	72.70W	20	4.2L		

ISC Event type fe.
GUC Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
NEIC Event type fe. Felt [II] at Rancagua. After GUC.

(71) Near coast of Guatemala

ISC	**X**	**05 18 22 54.2–.43**	**12.95N–.03**	**91.74W–.03**	**23–2**	**5.4b,4.7s**	**1630**	**2-163**
UCR	X	05 18 22 52.0–1.9	13.08N	91.76W	10	5.4b,4.7L		**¶601792802**
GCMT	X	05 18 22 53.0–.10	12.93N–.01	92.02W–.01	12	5.5W,4.7L		
ISCJB	X	05 18 22 54.1–.12	13.14N–.01	91.55W–.01	28	5.4b,4.7s		
MOS	X	05 18 22 55.0–1.2	13.01N	91.64W	36	5.6b,4.6s		
BJI	X	05 18 22 55.8	13.00N	91.60W	31	5.6b,5.4s		
NEIC	X	05 18 22 56.8–.33	13.03N	91.50W	41–2	5.5W,5.4b		
IDC	X	05 18 22 57.6–2.0	13.00N	91.55W	46–17	5.1,5.0		

ISC Event type fe.
UCR Error ellipse: s-maj=8.0km s-min=8.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c199; s132,c268;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.02±.02 $M_{\theta\theta}$1.47±.02; $M_{\phi\phi}$0.54±.02; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-1.06±.02; $M_{\phi r}$0.14±.05; Best double couple: NP1:ϕ_s295.00000°,δ48.00000°,λ-101.00000°. NP2:ϕ_s132.00000°,δ43.00000°,λ-78.00000°. Principal axes: T 2.1710,Plg2.0000° ,Azm33.0000°; N -0.1060,Plg8.0000°,Azm303.0000°; P -2.0670,Plg81.0000°,Azm138.0000° M_o2.11900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=30.7.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=104.9.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=212.0. Felt [I] at San Salvador, El Salvador. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}0.50 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.88 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.40 Best double couple: NP1:ϕ_s37.00000°,δ61.00000° ,λ166.00000°. NP2:ϕ_s134.00000°,δ77.00000°,λ30.00000°. Principal axes: T 2.0200,Plg30.0000°,Azm359.0000°; N 0.1000,Plg58.0000°,Azm155.0000° ; P -2.1200,Plg11.0000°,Azm263.0000° M_o2.10000×10^{17}
IDC Error ellipse: s-maj=17.7km s-min=8.3km az=52.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**05 19 28 16.7–.90**	**35.58N–.05**	**140.08E–.06**	**72–7**	**3.9b**	**30**	**0-75**
ISCJB	X	05 19 28 15.3–.51	35.57N–.04	140.10E–.06	77–4	3.8b		**¶601997189**
IDC	X	05 19 28 15.2–2.2	35.54N	140.28E	62–18	3.8,3.6		
JMA	X	05 19 28 16.0–.20	35.64N	140.06E	70–2	3.5,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.0km az=156.9.
IDC Error ellipse: s-maj=35.1km s-min=10.6km az=78.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ67.00000°,λ106.00000°. NP2: ϕ_s149.00000°,δ27.00000°,λ56.00000°. Principal axes: T Plg64.0000°,Azm303.0000° ; N Plg15.0000°,Azm180.0000°; P Plg21.0000°,Azm84.0000°

(134) Off coast of central Chile

ISC	**X**	**06 03 18 14.6–1.2**	**32.17S–.02**	**72.20W–.04**	**9–7**	**4.7b**	**127**	**1-175**
SJA	X	06 03 18 11.4–.59	32.24S	72.42W	11–2	4.5W,4.5L		**¶601792487**
ISCJB	X	06 03 18 11.8–1.1	32.24S–.03	72.55W–.03	3–7	4.5b,4.5L		
BJI	X	06 03 18 13.9	32.10S	72.20W	6	4.9,4.9s		
IDC	X	06 03 18 13.5–.65	32.15S	71.85W	0	4.5b,4.5		
GUC	X	06 03 18 15.9–.61	32.17S	72.19W	34–2	4.7L,4.5		
NEIC	X	06 03 18 15.2–2.1	32.13S	72.11W	9–13	4.7L,4.6b		

ISC Event type fe.
SJA Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=159.0.
IDC Error ellipse: s-maj=24.2km s-min=15.1km az=93.0.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=4.4km az=86.0. Felt at Los Vilos, Santiago and Vina del Mar.

(228) Near east coast of eastern Honshu

ISC	**X**	**06 03 24 38.1–2.1**	**39.22N–.05**	**142.50E–.08**	**23–14**	**3.8b**	**30**	**1-76**
NIED	X	06 03 24 00	39.20N	142.50E	29	3.8W		**¶601997233**
ISCJB	X	06 03 24 38.9–1.1	39.21N–.04	142.45E–.10	43–10	3.7b		
JMA	X	06 03 24 38.9–.10	39.22N	142.44E	33–1	3.9		
IDC	X	06 03 24 43.1–2.9	39.17N	142.38E	70–27	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ12.00000°,λ-78.00000°. NP2:ϕ_s210.00000°,δ78.00000°,λ-93.00000°. M_o5.26000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=5.9km az=16.3.
JMA Event type fe.
IDC Error ellipse: s-maj=28.1km s-min=15.6km az=108.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**06 04 22 51.8–1.1**	**35.70N–.05**	**140.19E–.08**	**35**	**3.6b**	**15**	**1-59**
ISCJB	X	06 04 22 50.6–.78	35.65N–.04	140.2E–.10	35	3.5b		**¶601997238**
JMA	X	06 04 22 52.4–.10	35.76N	140.10E	43–1	3.3		
IDC	X	06 04 22 56.8–1.7	35.40N	139.47E	60–15	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.7km az=169.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ63.00000°,λ-134.00000°. NP2: ϕ_s290.00000°,δ50.00000°,λ-36.00000°. Principal axes: T Plg8.0000°,Azm165.0000° ; N Plg38.0000°,Azm69.0000°; P Plg51.0000°,Azm264.0000°
IDC Error ellipse: s-maj=36.1km s-min=9.6km az=72.0.

(251) Samar

UCR	**X**	**06 10 18 31.2–.78**	**11.40N–.03**	**125.44E–.06**	**58–6**	**4.3b**	**68**	**0-148**
IDC	X	06 10 18 22.9–.66	11.33N	125.43E	0	4.2,4.1b		**¶601890557**
NEIC	X	06 10 18 28.1–.34	11.30N	125.44E	35	4.6b,4.1b		
ISCJB	X	06 10 18 30.8–.49	11.43N–.03	125.49E–.05	71–3	4.2b,4.1b		
MAN	X	06 10 18 32.7	11.37N	125.36E	29	4.7b,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=41.8km s-min=14.0km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=19.3km s-min=6.4km az=68.0. Felt [III PIVS] at Borongan, Llorente and Maydolong; [II PIVS] at Can-Avid and Mercedes; [I PIVS] at Oras. Also felt [II PIVS] at Tacloban, Leyte.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.1km az=171.0.

(76) Off coast of central America

UCR	**X**	**06 17 11 10.0–1.1**	**12.73N**	**88.01W**	**69–8**	**4.3L**		
NEIC	X	06 17 11 10.0–.00	12.62N	88.08W	44	4.2		**¶601906658**

UCR Error ellipse: s-maj=7.4km s-min=3.5km az=-1.0.
NEIC Event type fe. Felt [I] at San Miguel. After SNET.

(76) Off coast of central America

ISC	**X**	**06 22 55 04.1–.82**	**12.95N–.06**	**88.76W–.04**	**64–7**	**3.9b**	**72**	**0-148**
ISCJB	X	06 22 55 02.7–.45	12.89N–.05	88.78W–.04	69–4	3.8b		**¶601810580**
UCR	X	06 22 55 03.2–1.3	12.88N	88.81W	32–3	4.2L,4.0b		
NEIC	X	06 22 55 03.0–.00	12.92N	88.81W	34	4.2,4.0b		
IDC	X	06 22 55 06.3–1.7	13.16N	88.51W	88–16	3.8,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.5km az=34.6.
UCR Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
NEIC Event type fe. Felt [II] at Zacatecoluca. After SNET.
IDC Error ellipse: s-maj=37.8km s-min=13.3km az=46.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**06 23 43 06.2–1.2**	**36.75N–.03**	**140.88E–.06**	**15–7**	**3.9b**	**46**	**0-147**
NIED	X	06 23 43 00	36.80N	140.80E	8	3.9W		**¶601794907**
ISCJB	X	06 23 43 05.8–.63	36.75N–.03	140.92E–.05	23–4	3.8b		
JMA	X	06 23 43 07.4	36.77N	140.79E	16–1	4.1		
IDC	X	06 23 43 09.4–3.3	36.76N	140.81E	35–26	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ30.00000°,λ-112.00000°. NP2:ϕ_s182.00000°,δ62.00000°,λ-78.00000°. M_o8.13000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.1km az=14.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s187.00000°,δ51.00000°,λ-85.00000°. NP2:ϕ_s359.00000°,δ39.00000°,λ-96.00000°. Principal axes: T Plg6.0000°,Azm273.0000°; N Plg4.0000°,Azm3.0000°; P Plg83.0000° ,Azm127.0000°
IDC Error ellipse: s-maj=18.2km s-min=12.6km az=87.0.

(249) Luzon

ISC	**X**	**07 03 14 25.8–.37**	**18.64N–.02**	**120.99E–.03**	**52–3**	**5.3b,5.0s**	**1238**	**1-172**
IDC	X	07 03 14 22.6–2.5	18.56N	121.01E	29–17	5.0,4.9		**¶601795072**
MOS	X	07 03 14 22.9–1.1	18.63N	120.98E	41	5.5b,5.0s		
BJI	X	07 03 14 22.4	18.73N	120.95E	22	5.4b,5.1L		
NEIC	X	07 03 14 24.0–.57	18.54N	120.94E	40–5	5.6W,5.5b		
ISCJB	X	07 03 14 24.9–.27	18.67N–.01	120.94E–.02	56–2	5.3b,4.9s		
GCMT	X	07 03 14 25.0–.10	18.80N–.01	120.70E–.01	51–0	5.5W,4.9s		
MAN	X	07 03 14 25.1	18.69N	120.89E	29	6.0b,5.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=10.2km s-min=8.5km az=59.0.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=114.5.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=3.4km az=83.0. Felt [V PIVS] at Sarrat; [IV PIVS] at Batac, Buguey, Sinait and on Camiguin Island; [III PIVS] at Bangued, Penablanca and Tuguegarao; [II PIVS] at Baguio City and Burgos. Also felt at Santa. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-3.47 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.41 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s192.00000°,δ53.00000°,λ98.00000°. NP2:ϕ_s359.00000° ,δ38.00000°,λ80.00000°. Principal axes: T 3.0100,Plg80.0000°,Azm136.0000° ; N 0.6100,Plg6.0000°,Azm7.0000°; P -3.6200,Plg7.0000°,Azm276.0000° M_o3.40000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=176.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c209; s120,c261; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.25±.04 $M_{\theta\theta}$-0.47±.03; $M_{\phi\phi}$-1.78±.03; $M_{r\theta}$-0.18±.02; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$-0.88±.03; Best double couple: NP1:ϕ_s204.00000° ,δ55.00000°,λ81.00000°. NP2:ϕ_s40.00000°,δ36.00000°,λ103.00000°. Principal axes: T 2.4360,Plg78.0000°,Azm81.0000°; N 0.2620,Plg8.0000°,Azm209.0000° ; P -2.6980,Plg10.0000°,Azm300.0000° M_o2.56700×10^{17}

(78) Costa Rica

ISC	**X**	**07 07 00 55.0–.51**	**9.73N–.05**	**85.03W–.04**	**21**	**4.3b**	**188**	**1-152**
ISCJB	X	07 07 00 52.8–.41	9.56N–.04	85.15W–.03	21	4.2b,3.4s		**¶601794217**
IDC	X	07 07 00 54.2–.79	10.55N	84.35W	0	4.2,4.0		
UCR	X	07 07 00 55.2–1.7	9.64N	85.10W	16–5	4.4b,3.0L		
BJI	X	07 07 00 55.0	9.80N	85.00W	26	4.4b,3.0L		
NEIC	X	07 07 00 56.1–.38	9.78N	84.96W	26	4.5,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.5km az=17.7.
IDC Error ellipse: s-maj=20.2km s-min=8.5km az=150.0.
UCR Error ellipse: s-maj=4.9km s-min=3.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=25.0. Felt at Paquera and Santa Ana.

(89) Mona Passage

ISC	**X**	**07 07 49 30.2–1.5**	**17.9N–.10**	**68.56W–.09**	**95**		**63**	**1-13**
ISCJB	X	07 07 49 29.3–.88	17.9N–.10	68.58W–.06	95			**¶601804023**
NEIC	X	07 07 49 30.8–.00	18.02N	68.56W	97	3.6		
RSPR	X	07 07 49 30.8	18.02N	68.56W	97–1	3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=5.3km az=153.3.
NEIC Event type fe. Felt at Salvaleon de Higuey. After RSPR.
RSPR Event type ke.

(228) Near east coast of eastern Honshu

JMA	**X**	**07 10 11 23.3–.10**	**38.57N**	**142.07E**	**43–1**	**3.6**		
NIED	X	07 10 11 00	38.50N	142.20E	59	3.6W		**¶603685747**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ37.00000°,λ32.00000°. NP2:ϕ_s237.00000°,δ71.00000°,λ122.00000°. M_o2.43000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**X**	**07 11 00 55.2–1.1**	**36.78N–.03**	**140.54E–.04**	**4–8**	**3.6b**	**28**	**0-76**
NIED	X	07 11 00 00	36.80N	140.60E	5	3.8W		**¶606041326**
ISCJB	X	07 11 00 54.6–.61	36.76N–.03	140.64E–.05	13–4	3.4b		
IDC	X	07 11 00 54.8–.96	36.79N	140.49E	0	3.7,3.6		
JMA	X	07 11 00 55.3	36.77N	140.58E	7–1	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ37.00000°,λ-102.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ-81.00000°. M_o5.02000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.4km az=20.9.
IDC Error ellipse: s-maj=21.6km s-min=13.5km az=168.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s141.00000°,δ49.00000°,λ-81.00000°. NP2:ϕ_s308.00000°,δ41.00000°,λ-100.00000°. Principal axes: T Plg4.0000°,Azm225.0000°; N Plg7.0000°,Azm315.0000°; P Plg82.0000° ,Azm105.0000°

(337) Eastern Caucasus

ISC	**X**	**07 11 42 49.8–.34**	**40.76N–.02**	**48.44E–.02**	**41–3**	**5.3b,4.6s**	**1573**	**0-152**
BJI	X	07 11 42 44.4	40.79N	47.74E	40	5.6b,5.3b		**¶601794228**
IDC	X	07 11 42 45.9–1.2	40.73N	48.45E	12–7	5.0,5.0		
TEH	X	07 11 42 45.6	40.82N	48.58E	19	5.3L,5.0		
MOS	X	07 11 42 45.5–1.3	40.88N	48.54E	15	5.5b,4.4s		
THR	X	07 11 42 46.6–.54	40.71N	48.60E	15	5.2L,4.4s		
NEIC	X	07 11 42 47.2–1.1	40.75N	48.44E	17–6	5.4b,4.7s		
MOS	X	07 11 42 49.2–.00	40.74N	48.62E	35–0	5.8,4.7s		
NORS	X	07 11 42 49.5–.00	40.72N	48.66E	20–0	5.4,4.7s		
ISCJB	X	07 11 42 50.7–.12	40.66N–.01	48.43E–.01	61–1	5.2b,4.7s		
AZER	X	07 11 42 50.7–.00	40.70N	48.35E	41	5.3L,4.7s		
GCMT	X	07 11 42 50.2–.20	40.55N–.02	48.50E–.02	44–0	5.1W,4.7s		
DRS	X	07 11 42 50.1–.00	40.46N	48.79E	24	5.1W,4.7s		
GII	X	07 11 42 51.4–.53	40.74N	48.47E	41	5.1W,4.7s		
NNC	X	07 11 42 55.6–1.9	41.40N	49.69E	0	5.8,5.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=5.6km az=176.0.
MOS Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=43.7. Felt (II-III) at Makhachkala. Moment Tensor Solution.
THR Error ellipse: s-maj=8.3km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=187.0.
MOS Event type se.
NORS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=30.2.
AZER Error ellipse: s-maj=0.6km s-min=0.4km az=226.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c89; s89,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.17 $M_{\theta\theta}$4.61±.12; $M_{\phi\phi}$0.34±.11; $M_{r\theta}$-1.41±.12; $M_{\theta\phi}$-2.05±.09; $M_{\phi r}$1.32±.10; Best double couple: NP1:ϕ_s120.00000°,δ55.00000°,λ-81.00000°. NP2:ϕ_s284.00000°,δ36.00000°,λ-103.00000°. Principal axes: T 5.7400,Plg10.0000° ,Azm203.0000°; N -0.3900,Plg8.0000°,Azm294.0000°; P -5.3510,Plg78.0000°,Azm63.0000° M_o5.54600×10^{16}
DRS Event type se.
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=14.6km s-min=7.7km az=82.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**07 12 22 24.0–1.1**	**36.85N–.03**	**140.60E–.05**	**7–7**	**3.6b**	**26**	**0-147**
IDC	X	07 12 22 22.7–.87	36.72N	140.58E	0	3.8,3.6		**¶606041382**
ISCJB	X	07 12 22 23.1–.67	36.85N–.03	140.68E–.07	16–5	3.6b,3.6		
JMA	X	07 12 22 23.8	36.87N	140.56E	6–1	3.5,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=13.7km az=170.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=4.3km az=17.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ84.00000°,λ-82.00000°. NP2:ϕ_s326.00000°,δ10.00000°,λ-146.00000°. Principal axes: T Plg39.0000°,Azm285.0000°; N Plg8.0000°,Azm22.0000°; P Plg50.0000° ,Azm122.0000°

(228) Near east coast of eastern Honshu

ISC	**X**	**07 13 16 22.6–3.2**	**36.85N–.04**	**141.11E–.06**	**15–22**	**3.3b**	**23**	**0-61**
NIED	X	07 13 16 00	36.80N	141.10E	11	3.6W		**¶601997374**
IDC	X	07 13 16 20.3–1.6	36.83N	141.21E	0	3.6,3.5		
ISCJB	X	07 13 16 22.1–1.0	36.84N–.04	141.22E–.07	24–6	3.3b,3.5		
JMA	X	07 13 16 23.5–.10	36.83N	141.09E	32–1	3.8,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ42.00000°,λ-58.00000°. NP2:ϕ_s194.00000°,δ55.00000°,λ-116.00000°. M_o3.13000×10^{14}
IDC Error ellipse: s-maj=31.5km s-min=22.4km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.1km az=14.8.
JMA Event type fe.

(227) Eastern Honshu

ISC	**X**	**07 13 53 07.8–1.5**	**39.97N–.03**	**140.58E–.05**	**1–10**	**4.0b**	**47**	**0-146**
NIED	X	07 13 53 00	40.00N	140.60E	5	3.7W		**¶601795086**
ISCJB	X	07 13 53 07.0–.72	39.98N–.03	140.52E–.05	7–5	3.8b,2.7s		
IDC	X	07 13 53 07.1–.68	39.90N	140.56E	0	4.0,3.8		
JMA	X	07 13 53 07.5	39.99N	140.61E	3–1	3.6,3.8		
NEIC	X	07 13 53 12.7–.61	39.96N	140.43E	37–6	4.5b,3.8		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ52.00000°,λ163.00000°. NP2:ϕ_s301.00000°,δ77.00000°,λ39.00000°. $M_0$3.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=22.3.
IDC Error ellipse: s-maj=19.4km s-min=12.4km az=121.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=108.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**07 16 50 54.2–3.2**	**36.42N–.04**	**141.79E–.06**	**29–23**	**4.3b,3.3s**	**116**	**1-147**	
NIED	X	07 16 50 00	36.50N	141.60E	32	4.2W,3.3s			**¶601836636**
IDC	X	07 16 50 50.0–.51	36.39N	141.70E	0	4.3,4.2			
ISCJB	X	07 16 50 53.7–.66	36.41N–.03	141.76E–.05	40–5	4.2b,3.3s			
NEIC	X	07 16 50 55.7–.54	36.39N	141.70E	41–4	4.4b,3.3s			
JMA	X	07 16 50 55.2–.10	36.46N	141.59E	57–3	4.3,3.3s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ27.00000°,λ-121.00000°. NP2:ϕ_s16.00000°,δ67.00000°,λ-75.00000°. $M_0$2.08000×10^{15}
IDC Error ellipse: s-maj=14.3km s-min=11.8km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.9km az=178.6.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=92.0. Recorded [1 JMA] in Fukushima, Ibaraki and Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**07 17 32 24.6–1.1**	**37.49N–.05**	**141.43E–.08**	**50–9**	**4.0b,3.0s**	**48**	**0-146**	
NIED	X	07 17 32 00	37.50N	141.40E	53	4.1W,3.0s			**¶601874135**
ISCJB	X	07 17 32 23.8–.67	37.50N–.04	141.41E–.08	57–4	4.0b,2.9s			
JMA	X	07 17 32 24.6	37.51N	141.39E	51–1	4.0,2.9s			
IDC	X	07 17 32 28.0–2.5	37.46N	141.18E	80–21	4.0,3.9			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ25.00000°,λ96.00000°. NP2:ϕ_s19.00000°,δ65.00000°,λ87.00000°. $M_0$1.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.5km az=19.0.
JMA Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=14.4km az=93.0.

(460) Wyoming

ISC	**X**	**07 23 37 28.6–.99**	**43.71N–.05**	**105.15W–.05**	**0**		**16**	**1-9**	
ISCJB	X	07 23 37 26.7–.76	43.74N–.05	105.01W–.07	0				**¶601997432**
IDC	X	07 23 37 26.1–2.5	43.30N	105.26W	0	3.6,3.4			
NEIC	X	07 23 37 29.3–.67	43.68N	105.24W	0	3.1L,3.4			

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.0km s-min=6.4km az=139.1.
IDC Error ellipse: s-maj=52.3km s-min=9.7km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=11.6km s-min=8.3km az=167.0. 71 km [44 miles] SSE of Gillette. Suspected Mining explosion.

(43) Southern California

ISC	**X**	**08 00 39 07.8–.82**	**33.02N–.02**	**116.30W–.02**	**14–6**		**162**	**0-11**	
ISCJB	X	08 00 39 07.6–.32	33.00N–.01	116.31W–.01	12–2				**¶601794296**
NEIC	X	08 00 39 08.3–.00	33.01N	116.31W	11	4.2L			
ECX	X	08 00 39 08.8–.64	33.01N	116.32W	10	4.2L,4.0			
MEX	X	08 00 39 09.3–1.2	33.13N	116.56W	16–65	4.2,4.0			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=176.6.
NEIC Event type fe. Felt [IV] at Pine Valley and [III] at Alpine, Borrego Springs, Descanso, El Cajon, Escondido, Julian, La Mesa, Ramona, Rancho Santa Fe and Warner Springs. Felt in much of San Diego County and in parts of Imperial, Orange and Riverside Counties. Also felt at Tecate, Baja California. After PAS.
ECX Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
MEX Error ellipse: s-maj=53.1km s-min=27.9km az=-1.0.

(135) Near coast of central Chile

ISC	**X**	**08 01 41 32.9–1.5**	**32.29S–.03**	**71.93W–.06**	**11–8**	**4.2b**	**70**	**1-175**	
SJA	X	08 01 41 27.2–.38	32.50S	72.42W	10–4	4.1L,3.8W			**¶601795294**
NEIC	X	08 01 41 34.0–.00	32.31S	71.77W	11	4.1L,3.8W			
GUC	X	08 01 41 34.6–.71	32.31S	71.77W	11–8	4.1L,3.8W			
IDC	X	08 01 41 37.5–4.0	32.38S	71.74W	42–33	4.0,4.0			

ISC Event type fe.
SJA Error ellipse: s-maj=3.0km s-min=6.5km az=-1.0.
NEIC Event type fe. Felt [II] at Valparaiso, Villa Alemana and Vina del Mar. Also felt at Santiago. After GUC.
GUC Error ellipse: s-maj=4.3km s-min=10.3km az=-1.0.
IDC Error ellipse: s-maj=53.0km s-min=20.1km az=115.0.

(124) Chile-Bolivia border region

ISC	**X**	**08 01 50 26.0–.22**	**21.80S–.02**	**68.38W–.03**	**123–1**	**5.9b**	**2027**	**1-178**	
SJA	X	08 01 50 21.9–.45	21.75S	68.75W	160–2	5.5L,5.4W			**¶601794915**
MOS	X	08 01 50 23.8–1.0	21.50S	68.23W	102	5.9b,4.8s			
GUC	X	08 01 50 25.8–.72	21.83S	68.54W	121–4	5.7W,5.7L			
NEIC	X	08 01 50 25.0–.00	21.87S	68.26W	120	5.7W,5.7L			
ISCJB	X	08 01 50 25.4–.12	21.53S–.02	68.17W–.02	124	5.9b,5.7L			
NEIC	X	08 01 50 26.2–.11	21.73S	68.17W	122	6.0b,5.8W			
IDC	X	08 01 50 27.4–.32	21.63S	68.19W	128–2	5.6,5.2			
GCMT	X	08 01 50 29.2–.10	21.83S–.01	68.46W–.01	131–0	5.8W,5.2			
NEIC	X	08 01 50 33.5–.00	22.25S	67.44W	99	5.8W,5.2			

ISC Event type fe.
SJA Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.1km az=107.7.
GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.09 $M_{\theta\theta}$0.40 $M_{\phi\phi}$3.69 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.29 $M_{\phi r}$-2.91 Best double couple: NP1:ϕ_s357.00000°,δ63.00000°,λ-88.00000°. NP2:ϕ_s173.00000°,δ27.00000°,λ-94.00000°. Principal axes: T 4.6800,Plg18.0000°,Azm85.0000°; N 0.3800,Plg1.0000°,Azm176.0000° ; P -5.0600,Plg71.0000°,Azm271.0000° $M_0$4.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=139.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=73.0. Felt [V] at Calama; [IV] at Alto Hospicio, Huara, Iquique, Mamina and Oficina Maria Elena; [III] at Pisagua, Pozo Almonte, Quillagua, Sierra Gorda and Tocopilla; [II] at Antofagasta, Baquedano, Camina, Copiapo, Diego de Almagro, Pica and Tierra Amarilla. Also felt at San Pedro de Atacama. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.38 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.51 $M_{\theta\theta}$0.26 $M_{\phi\phi}$3.25 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.06 $M_{\phi r}$-3.47 Best double couple: NP1:ϕ_s12.00000°,δ69.00000°,λ-81.00000°. NP2:ϕ_s169.00000°,δ23.00000°,λ-112.00000°. Principal axes: T 4.7400,Plg23.0000°,Azm95.0000°; N 0.4300,Plg8.0000°,Azm189.0000° ; P -5.1800,Plg65.0000°,Azm297.0000° $M_0$5.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s157.00000°,δ27.00000°,λ-110.00000°. NP2:ϕ_s0.00000°,δ65.00000°,λ-80.00000°. Principal axes: T Plg19.0000°,Azm83.0000° ; N Plg0.0000°,Azm0.0000°; P Plg68.0000°,Azm290.0000°
IDC Error ellipse: s-maj=8.1km s-min=7.0km az=85.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c247; s131,c360; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.52±.04 $M_{\theta\theta}$-0.83±.05; $M_{\phi\phi}$5.35±.06; $M_{r\theta}$-0.87±.04; $M_{\theta\phi}$-0.75±.05; $M_{\phi r}$-2.36±.04; Best double couple: NP1:ϕ_s7.00000°,δ59.00000°,λ-74.00000°. NP2:ϕ_s158.00000°,δ35.00000°,λ-114.00000°. Principal axes: T 5.9290,Plg12.0000°,Azm85.0000°; N -0.6440,Plg14.0000°,Azm178.0000° ; P -5.2880,Plg71.0000°,Azm315.0000° $M_0$5.60900×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.80 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$6.45 $M_{r\theta}$0.20 $M_{\theta\phi}$0.04 $M_{\phi r}$-2.15 Best double couple: NP1:ϕ_s183.00000°,δ35.00000°,λ-86.00000°. NP2:ϕ_s358.00000°,δ55.00000°,λ-93.00000°. Principal axes: T 6.8100,Plg10.0000°,Azm90.0000°; N -0.6400,Plg2.0000°,Azm360.0000° ; P -6.1700,Plg80.0000°,Azm258.0000° $M_0$6.50000×10^{17}

(135) Near coast of central Chile

ISC	**X**	**08 05 22 17.2–1.9**	**29.41S–.03**	**71.77W–.06**	**2–11**	**4.3b**	**100**	**1-153**	
SJA	X	08 05 22 13.2–.62	28.97S	72.12W	10	4.3L,3.9W			**¶601804029**
IDC	X	08 05 22 17.3–.83	29.41S	71.46W	0	3.9,3.8			
GUC	X	08 05 22 21.0–.78	29.44S	71.66W	58–6	4.2L,3.8			
NEIC	X	08 05 22 21.0–.00	29.41S	71.71W	44	4.5b,4.1L			

ISC Event type fe.
SJA Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=21.7km az=17.0.
GUC Error ellipse: s-maj=2.5km s-min=7.7km az=-1.0.
NEIC Event type fe. Felt [III] at La Higuera and [II] at Paiguano. After GUC.

(230) Near south coast of eastern Honshu

JMA	**X**	**08 05 47 22.4**	**34.66N**	**137.08E**	**12–1**	**3.3**			
									¶606041731

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s173.00000°,δ62.00000°,λ103.00000°. NP2:ϕ_s326.00000°,δ31.00000°,λ67.00000°. Principal axes: T Plg70.0000°,Azm111.0000°; N Plg12.0000°,Azm346.0000°; P Plg16.0000° ,Azm253.0000°

(230) Near south coast of eastern Honshu

JMA	**X**	**08 05 56 10.3**	**34.66N**	**137.07E**	**12–1**	**2.7**			
									¶606041734

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s141.00000°,δ74.00000°,λ78.00000°. NP2:ϕ_s359.00000°,δ20.00000°,λ126.00000°. Principal axes: T Plg59.0000°,Azm35.0000°; N Plg11.0000°,Azm145.0000°; P Plg28.0000° ,Azm241.0000°

(49) Gulf of California

ISC	**X**	**08 06 26 23.6–.20**	**25.09N–.03**	**109.61W–.03**	**17**	**5.8s,5.6b**	**1606**	**1-158**	
IDC	X	08 06 26 21.7–2.1	25.15N	109.63W	12–13	5.6,5.6s			**¶606632086**
MEX	X	08 06 26 21.4–1.6	25.16N	109.69W	10	5.7,5.6s			
ISCJB	X	08 06 26 22.4–.14	25.24N–.02	109.51W–.01	17	5.8s,5.5b			
BJI	X	08 06 26 22.1	25.08N	109.72W	12	6.1b,6.1s			
NEIC	X	08 06 26 22.0–.00	25.38N	109.73W	21	6.1b,6.1s			
MOS	X	08 06 26 23.8–1.4	25.26N	109.52W	25	5.9s,5.8b			
NEIC	X	08 06 26 23.0–.16	25.13N	109.57W	14	6.0W,6.0W			
GCMT	X	08 06 26 25.0–.10	25.17N	109.73W	20–0	6.0W,6.0W			
NEIC	X	08 06 26 44.7–.00	25.56N	109.88W	31	6.0W,6.0W			

ISC Event type fe.
IDC Error ellipse: s-maj=12.1km s-min=8.1km az=57.0.
MEX Error ellipse: s-maj=8.6km s-min=12.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=28.7.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$1.04 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s130.00000°,δ86.00000°,λ173.00000°. NP2:ϕ_s220.00000°,δ83.00000°,λ4.00000°. Principal axes: T 1.0700,Plg7.0000°,Azm85.0000°; N -0.1100,Plg81.0000°,Azm281.0000° ; P -0.9700,Plg2.0000°,Azm175.0000° $M_0$1.00000×10^{18}
MOS Error ellipse: s-maj=5.5km s-min=3.6km az=95.1.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=32.0. Felt [IV] at Guasave and Los Mochis, Sinaloa. Also felt at Ahome. Felt at El Centenario and La Paz, Baja California Sur and at Las Varas, Nayarit. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.23 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.03 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.27 $M_{\phi r}$-0.28 Best double couple: NP1: ϕ_s127.00000°,δ77.00000°,λ175.00000°. NP2:ϕ_s218.00000°,δ85.00000°,λ13.00000°. Principal axes: T 1.1200,Plg13.0000°,Azm83.0000°; N -0.1000,Plg76.0000°,Azm238.0000° ; P -1.0200,Plg6.0000°,Azm352.0000° $M_0$1.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ30.00000°,λ176.00000°. NP2: ϕ_s220.00000°,δ88.00000°,λ60.00000°. Principal axes: T Plg40.0000°,Azm103.0000° ; N Plg0.0000°,Azm0.0000°; P Plg36.0000°,Azm336.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c267; s142,c485; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$-1.14±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$-0.23±.02; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.08±.01; Best double couple: NP1:ϕ_s39.00000°,δ84.00000° ,λ-10.00000°. NP2:ϕ_s130.00000°,δ80.00000°,λ-174.00000°. Principal axes: T 1.2030,Plg3.0000°,Azm85.0000°; N 0.0030,Plg78.0000°,Azm187.0000° ; P -1.2070,Plg11.0000°,Azm354.0000° $M_0$1.20500×10^{18}
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{18}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$1.11 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s306.00000° ,δ90.00000°,λ-151.00000°. NP2:ϕ_s216.00000°,δ61.00000°,λ0.00000°. Principal axes: T 1.3000,Plg20.0000°,Azm77.0000°; N 0.1600,Plg61.0000°,Azm307.0000° ; P -1.4600,Plg20.0000°,Azm175.0000° $M_0$1.40000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**X**	**08 10 49 05.6–1.2**	**38.88N–.05**	**142.01E–.09**	**51–9**	**3.9b**	**30**	**0-78**	
NIED	X	08 10 49 00	38.90N	142.00E	47	3.9W			**¶601997495**
ISCJB	X	08 10 49 04.5–.82	38.89N–.04	142.00E–.10	58–5	3.8b			
JMA	X	08 10 49 05.7–.10	38.89N	141.97E	50–1	3.9			
IDC	X	08 10 49 07.0–2.4	38.92N	142.00E	66–21	3.9,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ15.00000°,λ86.00000°. NP2:ϕ_s20.00000°,δ75.00000°,λ91.00000°. $M_0$7.61000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=5.9km az=16.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=14.5km az=96.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**08 11 03 58.8–.68**	**36.07N–.05**	**140.15E–.05**	**70–6**	**4.0b**	**55**	**0-92**	
NIED	X	08 11 03 00	36.10N	140.10E	65	4.2W			**¶601795691**
ISCJB	X	08 11 03 58.3–.36	36.09N–.03	140.12E–.05	74–2	3.9b			
JMA	X	08 11 03 59.7–.10	36.11N	140.10E	62–1	3.9			
IDC	X	08 11 04 01.0–1.7	36.10N	139.98E	85–15	4.0,3.9			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ28.00000°,λ68.00000°. NP2:ϕ_s31.00000°,δ64.00000°,λ101.00000°. $M_0$2.51000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.6km az=160.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s225.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm315.0000° ; N Plg0.0000°,Azm45.0000°; P Plg35.0000°,Azm135.0000°
IDC Error ellipse: s-maj=16.4km s-min=12.8km az=91.0.

(280) Banda Sea

ISC	**X**	**08 11 43 34.1–.34**	**4.54S–.02**	**129.24E–.03**	**30–2**	**6.2b,6.0s**	**2020**	**1-178**	
IDC	X	08 11 43 29.7–.28	4.50S	129.10E	0	5.9,5.9			**¶601795099**
NEIC	X	08 11 43 31.4–.08	4.47S	129.13E	10	6.6,6.3W			
ISCJB	X	08 11 43 33.0–.49	4.49S–.02	129.24E–.01	33–3	6.1b,6.0s			
BJI	X	08 11 43 33.6	4.44S	129.21E	29	6.4b,6.0b			
MOS	X	08 11 43 34.0–1.1	4.45S	129.04E	38	6.5b,5.9s			
DJA	X	08 11 43 35.9–.30	4S–1.0	129E–1.0	35–3	6.6b,6.3			
NEIC	X	08 11 43 35.0–.00	4.44S	129.47E	11	6.6b,6.3			
GCMT	X	08 11 43 35.4–.10	4.57S	129.15E	12	6.2W,6.3			
NEIC	X	08 11 43 44.6–.00	4.67S	129.02E	21	6.2W,6.3			

ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=8.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=55.0. Felt [IV] on Pulau Banda Besar and [III] on Pulau Ambon, Indonesia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 2.39 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.65 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.14 Best double couple: NP1:ϕ_s150.00000°,δ41.00000°,λ117.00000°. NP2: ϕ_s297.00000°,δ55.00000°,λ69.00000°. Principal axes: T 1.7400,Plg71.0000°,Azm154.0000° ; N -0.1800,Plg17.0000°,Azm309.0000°; P -1.5600,Plg7.0000°,Azm42.0000° $M_0$1.60000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=38.4.
MOS Error ellipse: s-maj=7.4km s-min=4.4km az=111.8.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}1.82 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.34 $M_{\theta\phi}$0.96 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s138.00000°,δ55.00000°,λ97.00000°. NP2:ϕ_s305.00000°,δ36.00000°,λ80.00000°. Principal axes: T 1.9500,Plg78.0000°,Azm74.0000°; N 0.0300,Plg5.0000°,Azm313.0000° ; P -1.9800,Plg9.0000°,Azm222.0000° $M_0$2.00000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c334; s148,c598; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-1.73±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$0.45±.03; $M_{\theta\phi}$1.14±.01; $M_{\phi r}$0.03±.03; Best double couple: NP1:ϕ_s114.00000°,δ50.00000° ,λ81.00000°. NP2:ϕ_s308.00000°,δ41.00000°,λ100.00000°. Principal axes: T 2.3090,Plg82.0000°,Azm334.0000°; N 0.1370,Plg7.0000°,Azm120.0000° ; P -2.4440,Plg5.0000°,Azm211.0000° $M_0$2.37700×10^{18}
NEIC Event type se. Moment Tensor Solution. s92 Moment tensor: Scale 10^{18}Nm; M_{rr}2.74 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-0.91 $M_{r\theta}$-0.57 $M_{\theta\phi}$1.25 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s315.00000° ,δ56.00000°,λ101.00000°. NP2:ϕ_s116.00000°,δ35.00000°,λ74.00000°. Principal axes: T 3.0200,Plg76.0000°,Azm258.0000°; N -0.1200,Plg9.0000°,Azm128.0000° ; P -2.9000,Plg11.0000°,Azm37.0000° $M_0$3.00000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**X**	**08 20 55 44.6–.78**	**35.70N–.04**	**140.14E–.05**	**48–7**	**3.7b**	**36**	**0-77**	
NIED	X	08 20 55 00	35.80N	140.10E	41	3.9W			**¶601997571**
ISCJB	X	08 20 55 43.3–.40	35.69N–.03	140.16E–.05	58–3	3.6b,2.5s			
IDC	X	08 20 55 44.6–1.4	35.58N	140.15E	49–13	3.8,3.7			
JMA	X	08 20 55 44.7–.10	35.77N	140.11E	43–2	3.7,3.7			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ48.00000°,λ-31.00000°. NP2:ϕ_s21.00000°,δ68.00000°,λ-134.00000°. M_o8.62000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=170.5.

IDC Error ellipse: s-maj=19.3km s-min=7.5km az=65.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ85.00000°,λ-138.00000°. NP2: ϕ_s286.00000°,δ49.00000°,λ-7.00000°. Principal axes: T Plg24.0000°,Azm146.0000° ; N Plg48.0000°,Azm26.0000°; P Plg32.0000°,Azm252.0000°

(495) Eastern Arizona

ISC	**X**	**08 22 41 07.4–.79**	**33.40N–.04**	**109.22W–.03**	**8**		**73**	**1-9**
IDC	X	08 22 41 06.7–1.1	33.39N	109.17W	0	3.4,3.4L		**¶601819768**
ISCJB	X	08 22 41 07.0–.33	33.39N–.03	109.23W–.03	8	3.4,3.4L		
NEIC	X	08 22 41 07.6–.28	33.39N	109.22W	5	3.6W,3.4L		

ISC Event type fe.

IDC Error ellipse: s-maj=16.4km s-min=8.6km az=48.0.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=5.4.

NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=178.0. Felt at Blue. Moment Tensor Solution. s24 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.85 $M_{\theta\theta}$0.37 $M_{\phi\phi}$2.49 $M_{r\theta}$0.30 $M_{\theta\phi}$0.68 $M_{\phi r}$-0.19 Best double couple: NP1:ϕ_s203.00000°,δ44.00000°,λ-81.00000°. NP2: ϕ_s10.00000°,δ46.00000°,λ-99.00000°. Principal axes: T 2.6900,Plg1.0000°,Azm106.0000° ; N 0.2000,Plg6.0000°,Azm16.0000°; P -2.8900,Plg84.0000°,Azm205.0000° M_o2.80000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**X**	**08 22 47 38.4–.83**	**35.57N–.05**	**140.08E–.06**	**72–7**	**3.9b**	**32**	**0-75**
ISCJB	X	08 22 47 37.5–.46	35.60N–.04	140.07E–.06	79–4	3.8b		**¶606042108**
JMA	X	08 22 47 38.6–.20	35.69N	140.06E	67–2	3.3		
IDC	X	08 22 47 39.1–3.6	35.61N	140.09E	78–26	4.0,3.7		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.0km az=150.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s358.00000°,δ67.00000°,λ79.00000°. NP2: ϕ_s204.00000°,δ25.00000°,λ115.00000°. Principal axes: T Plg66.0000°,Azm248.0000° ; N Plg10.0000°,Azm2.0000°; P Plg21.0000°,Azm96.0000°

IDC Error ellipse: s-maj=56.1km s-min=13.8km az=62.0.

(98) Trinidad

TRN	**X**	**08 23 02 19.1**	**10.90N**	**61.85W**	**45**	**3.8**		
NEIC	X	08 23 02 19.5–.00	10.90N	61.84W	41	3.7W,3.6		**¶601997577**

TRN Event type fe. Felt MMI II North-West Trinidad.

NEIC Event type fe. Felt at Diego Martin, Trinidad. After TRN.

(116) Central Peru

ISC	**X**	**09 02 32 28.7–.88**	**13.91S–.08**	**76.04W–.09**	**49**		**41**	**2-146**
IDC	X	09 02 32 23.4–1.7	13.82S	76.04W	0	3.9L,3.8		**¶601997591**
ISCJB	X	09 02 32 27.0–.62	13.90S–.05	75.98W–.07	49	4.2b,3.8		
NEIC	X	09 02 32 29.0–1.2	13.80S	75.94W	39–12	4.5L,4.2b		

ISC Event type fe.

IDC Error ellipse: s-maj=46.0km s-min=19.4km az=53.0.

ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.1km az=140.7.

NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=8.9km az=53.0. Felt [III] at Pisco and [II] at Ica.

(29) Washington

ISC	**X**	**09 03 00 52.9–1.1**	**47.11N–.02**	**121.10W–.02**	**6–9**		**59**	**0-5**
ISCJB	X	09 03 00 52.2–.43	47.13N–.02	121.09W–.02	2–3			**¶601997596**
NEIC	X	09 03 00 53.2–.00	47.10N	121.11W	2	2.6L		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=19.5.

NEIC Event type fe. Felt at Tacoma. After SEA.

(127) Chile-Argentina border region

ISC	**X**	**09 03 30 35.7–.25**	**29.44S–.02**	**69.53W–.03**	**127–2**	**4.7b**	**827**	**1-175**
MOS	X	09 03 30 32.9–1.1	29.39S	69.28W	104	4.9b		**¶601795709**
NEIC	X	09 03 30 33.3–.34	29.39S	69.21W	96–3	5.2L,4.8b		
ISCJB	X	09 03 30 33.6–.19	29.34S–.02	69.35W–.03	116–2	4.7b,4.8b		
SJA	X	09 03 30 34.3–.96	29.44S	69.53W	129–5	4.7W,4.5L		
GUC	X	09 03 30 34.7–.69	29.45S	69.56W	120–5	5.1L,4.5L		
IDC	X	09 03 30 37.4–.37	29.40S	69.32W	132–3	4.7,4.4		

ISC Event type fe.

MOS Error ellipse: s-maj=12.6km s-min=6.8km az=98.8.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=80.0. Felt [IV] at Andacollo and Paiguano; [III] at La Higuera and Vicuna; [II] at Alto del Carmen, Copiapo, Coquimbo, La Serena, Rio Hurtado, Tierra Amarilla and Vallenar, Chile.

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=163.0.

SJA Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.

GUC Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0.

IDC Error ellipse: s-maj=15.5km s-min=10.6km az=81.0.

(197) Near north coast of Irian Jaya

ISC	**X**	**09 07 49 54.4–.32**	**2.72S–.03**	**139.24E–.03**	**38–1**	**5.4b,5.3s**	**640**	**1-160**
BJI	X	09 07 49 47.1	3.16S	139.67E	30	5.6b,5.3s		**¶601819581**
IDC	X	09 07 49 48.1–.37	2.71S	139.29E	0	5.0,5.0s		
ISCJB	X	09 07 49 51.2–.67	2.73S–.02	139.25E–.02	26–4	5.3b,5.3s		
NEIC	X	09 07 49 51.9–.14	2.72S	139.22E	20	5.6b,5.4s		
MOS	X	09 07 49 52.6–.98	2.70S	139.27E	38	5.7b,5.1s		
DJA	X	09 07 49 53.4–.50	3S–3.0	139E–2.0	17–6	6.0,5.8b		
GCMT	X	09 07 49 54.9–.10	2.69S–.01	139.33E–.01	22–0	5.6W,5.8b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [III] at Genyem and Jayapura. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ35.00000°,λ90.00000°. NP2: ϕ_s310.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm220.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm40.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c229; s136,c327; Duration: 1$\dagger$6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.94±.04 $M_{\theta\theta}$-1.89±.03; $M_{\phi\phi}$-1.05±.03; $M_{r\theta}$-1.36±.06; $M_{\theta\phi}$1.40±.02; $M_{\phi r}$0.48±.06; Best double couple: NP1:ϕ_s299.00000°,δ58.00000° ,λ82.00000°. NP2:ϕ_s134.00000°,δ33.00000°,λ102.00000°. Principal axes: T 3.3000,Plg76.0000°,Azm187.0000°; N -0.0570,Plg7.0000°,Azm303.0000° ; P -3.2430,Plg13.0000°,Azm35.0000° M_o3.27100×10^{17}

(499) Oklahoma

ISC	**X**	**09 08 49 06.8–.68**	**36.07N–.03**	**97.38W–.02**	**10**		**77**	**0-77**
NEIC	X	09 08 49 07.0–.00	36.08N	97.39W	9	3.3L		**¶601804041**

ISC Event type fe.

NEIC Event type fe. Felt [II] at Coyle, Edmond, Guthrie and Stillwater. Also felt at Arcadia, Bison, Crescent, Mulhall, Norman, Oklahoma City, Orlando and Spencer. After TUL.

(228) Near east coast of eastern Honshu

ISC	**X**	**09 09 24 34.6–1.9**	**37.98N–.05**	**141.99E–.07**	**27–12**	**3.4b**	**35**	**1-62**
NIED	X	09 09 24 00	38.00N	141.90E	38	3.6W		**¶601997639**
JMA	X	09 09 24 36.7–.10	38.01N	141.88E	45–1	3.7		
IDC	X	09 09 24 37.7–2.8	38.03N	142.09E	58–27	3.3,3.3		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ9.00000°,λ136.00000°. NP2:ϕ_s298.00000°,δ83.00000°,λ83.00000°. M_o2.68000×10^{14}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=29.5km s-min=16.0km az=105.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**09 10 17 23.0–1.6**	**37.15N–.05**	**141.22E–.07**	**24–12**	**3.6b**	**26**	**0-61**
NIED	X	09 10 17 00	37.10N	141.30E	26	3.6W		**¶601997647**
IDC	X	09 10 17 19.7–1.1	37.15N	141.21E	0	3.6,3.5		
ISCJB	X	09 10 17 21.9–1.1	37.11N–.04	141.33E–.08	29–6	3.5b,3.5		
JMA	X	09 10 17 23.8–.10	37.14N	141.21E	35–1	3.9,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ30.00000°,λ-114.00000°. NP2:ϕ_s151.00000°,δ63.00000°,λ-77.00000°. M_o2.79000×10^{14}

IDC Error ellipse: s-maj=30.9km s-min=21.2km az=92.0.

ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.9km az=19.3.

JMA Event type fe.

(251) Samar

ISC	**X**	**09 10 47 44.0–.86**	**11.85N–.04**	**125.34E–.06**	**48–7**	**4.2b**	**61**	**0-148**
IDC	X	09 10 47 36.8–.68	11.79N	125.37E	0	4.1,4.0b		**¶601997652**
ISCJB	X	09 10 47 43.1–.55	11.83N–.04	125.41E–.06	59–4	4.1b,4.0b		
MAN	X	09 10 47 44.0	11.87N	125.35E	27	4.7b,3.6L		
NEIC	X	09 10 47 44.4–3.1	11.77N	125.37E	55–29	4.5b,3.6L		

ISC Event type fe.

IDC Error ellipse: s-maj=67.8km s-min=15.5km az=69.0.

ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.0km az=164.2.

NEIC Event type fe. Error ellipse: s-maj=20.2km s-min=5.4km az=68.0. Felt [II PIVS] at Borongan and Taft and [I PIVS] at Llorente.

(228) Near east coast of eastern Honshu

JMA	**X**	**09 14 50 51.7–.10**	**37.35N**	**141.35E**	**49–1**	**3.5**		**¶606042392**

JMA Event type fe.

(236) Shikoku

ISC	**X**	**09 20 49 34.7–.63**	**32.68N–.04**	**132.45E–.03**	**34–1**	**4.6b,3.6s**	**132**	**0-98**
NIED	X	09 20 49 00	32.70N	132.50E	35	4.5W,3.6s		**¶601819583**
BJI	X	09 20 49 32.0	32.29N	132.71E	42	4.5b,4.4b		
ISCJB	X	09 20 49 33.8–.38	32.68N–.03	132.44E–.03	42–3	4.5b,3.7s		
IDC	X	09 20 49 34.9–.62	32.73N	132.35E	33–4	4.0,3.9L		
JMA	X	09 20 49 35.0	32.69N	132.49E	33–1	4.5,3.9L		
NEIC	X	09 20 49 35.4–.47	32.66N	132.35E	38–4	4.7b,3.9L		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ73.00000°,λ-7.00000°. NP2:ϕ_s140.00000°,δ83.00000°,λ-163.00000°. M_o6.08000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=156.5.

IDC Error ellipse: s-maj=12.6km s-min=9.8km az=45.0.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=141.0. Recorded [3 JMA] in Ehime and Kochi. Also recorded [3 JMA] in Oita, Kyushu.

(162) South Island

ISC	**X**	**09 22 51 20.0–.71**	**43.41S–.06**	**172.82E–.06**	**10**	**3.8b**	**30**	**0-153**
ISCJB	X	09 22 51 18.2–.65	43.46S–.07	172.92E–.09	10	3.8b		**¶601841763**
NEIC	X	09 22 51 19.0–.00	43.47S	172.78E	9	4.2L		
IDC	X	09 22 51 19.2–1.0	43.21S	172.70E	0	4.1,4.0		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=4.0km az=44.6.

NEIC Event type fe. Felt in Canterbury. After WEL.

IDC Error ellipse: s-maj=27.1km s-min=14.4km az=151.0.

(447) Southern Quebec

ISC	**X**	**10 04 19 28.1–.98**	**45.71N–.02**	**73.25W–.02**	**16–7**	**3.5b**	**287**	**0-149**
IDC	X	10 04 19 27.6–.87	45.56N	73.24W	0	4.0,3.8		**¶601819783**
OTT	X	10 04 19 29.0–.09	45.71N	73.27W	14	4.5,3.8		
NEIC	X	10 04 19 28.4–.00	45.70N	73.27W	27	4.5,3.8b		

ISC Event type fe.

IDC Error ellipse: s-maj=17.3km s-min=8.5km az=150.0.

OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 11km southeast from Vercheres, Qc. Felt. Felt in Pointe-aux Trembles, St-Jerome, St-Hyacinthe, St-Eustache, Terrebonne, Mirabel, St-Louis-de-Richelieu, Boucherville, St-Jean-sur-Richelieu, Ste-Sophie, Candiac, Richelieu, Trois Riviers, Quebec, Pq and Ottawa Ontario Also felt in upstate New York and Vermont Eastern Background Seismic Zone.

NEIC Event type fe. Felt [V] at Saint-Canut and [IV] at Blainville, Boucherville, Joliette, L'Assomption, Laval, L'Epiphanie, Mirabel, Repentigny, Saint-Bruno, Sainte-Adele, Sainte-Anne-des-Plaines, Saint-Basile-le-Grand, Saint-Constant, Sainte-Julie, Varennes and Vercheres. Felt widely in southern Quebec and eastern Ontario. Felt [III] at Hogansburg, Malone, Mooers and Mooers Forks, New York and at Colchester, Jericho, Milton and Williston, Vermont. Felt in many parts of upstate New York and Vermont. After OTT.

(238) Ryukyu Islands

JMA	**X**	**10 04 25 36.7**	**29.39N**	**130.02E**	**58–2**	**3.8**		**¶606042657**

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

(235) Kyushu

JMA	**X**	**10 07 51 18.6**	**32.37N**	**131.97E**	**19–1**	**3.5**		
NIED	X	10 07 51 00	32.40N	132.00E	23	3.3W		**¶603687164**

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ71.00000°,λ4.00000°. NP2:ϕ_s219.00000°,δ86.00000°,λ161.00000°. M_o1.18000×10^{14}

(201) Irian Jaya

ISC	**X**	**10 11 38 59.9–.32**	**3.59S–.04**	**139.18E–.04**	**35**	**4.9b,3.8s**	**162**	**1-150**
BJI	X	10 11 38 55.5	3.88S	139.30E	30	5.0b,4.8s		**¶601819631**
MOS	X	10 11 38 57.7–.87	3.52S	139.13E	32	5.1b,4.8s		
ISCJB	X	10 11 38 58.2–.22	3.59S–.03	139.24E–.03	35	4.7b,3.8s		
NEIC	X	10 11 38 59.9–.18	3.52S	139.15E	35	4.9b,3.8s		
IDC	X	10 11 38 59.7–4.2	3.51S	139.16E	33–32	4.7L,4.5		
DJA	X	10 11 39 02.0–.40	4S–2.0	139E–2.0	17–5	5.4,5.4b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [III] at Wamena and [II] at Genyem.

(78) Costa Rica

ISC	**X**	**10 12 19 45.1–.48**	**10.04N–.04**	**85.56W–.03**	**27–2**	**5.2b,5.1s**	**1248**	**0-151**
UCR	X	10 12 19 43.4–2.3	9.99N	85.66W	3–5	5.2b,4.2L		**¶601819784**
ISCJB	X	10 12 19 44.0–.16	10.28N–.02	85.46W–.02	26	5.1b,5.0s		
NEIC	X	10 12 19 44.9–.21	10.10N	85.48W	26	5.3,5.3W		
BJI	X	10 12 19 45.9	10.10N	85.50W	31	5.6s,5.4b		
MOS	X	10 12 19 45.4–1.3	10.35N	85.37W	33	5.3b,5.0s		
GCMT	X	10 12 19 47.9–.10	9.82N–.01	85.76W–.01	31–0	5.4W,5.0s		
IDC	X	10 12 19 48.2–.82	10.37N	85.37W	50–6	4.8s,4.8		

ISC Event type fe.

UCR Error ellipse: s-maj=4.3km s-min=3.6km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.0.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=25.0. Felt [IV] at Grecia and Nicoya and [III] at Santa Cruz and Sardinal. Also felt at Alajuela, Asuncion, Escazu, Guanacaste, Jaco, Liberia, Macacona, Nosara, Paquera, Puntarenas, Quepos, Sabanilla, Samara, San Francisco, San Ignacio, San Jose, San Rafael, Santa Ana and Sierra. Moment Tensor Solution. s42 Moment tensor: Scale 10^{16}Nm; M_{rr}8.35 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-5.51 $M_{r\theta}$4.17 $M_{\theta\phi}$3.58 $M_{\phi r}$-3.71 Best double couple: NP1:ϕ_s138.00000°,δ62.00000°,λ83.00000°. NP2: ϕ_s332.00000°,δ29.00000°,λ102.00000°. Principal axes: T 10.1000,Plg72.0000°,Azm33.0000° ; N -0.5000,Plg6.0000°,Azm141.0000°; P -9.7000,Plg17.0000°,Azm233.0000° M_o9.90000×10^{16}

MOS Error ellipse: s-maj=9.2km s-min=4.3km az=117.4.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c179; s108,c198;Duration: 1$\dagger$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.02 $M_{\theta\theta}$-0.82±.02; $M_{\phi\phi}$-0.27±.02; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$-0.53±.03; Best double couple: NP1:ϕ_s126.00000°,δ63.00000°,λ92.00000°. NP2:ϕ_s302.00000°,δ27.00000°,λ86.00000°. Principal axes: T 1.3750,Plg72.0000° ,Azm41.0000°; N 0.2060,Plg2.0000°,Azm305.0000°; P -1.5820,Plg18.0000°,Azm215.0000° M_o1.47800×10^{17}

IDC Error ellipse: s-maj=18.3km s-min=9.7km az=45.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**10 14 40 35.9–1.6**	**38.16N–.05**	**141.82E–.09**	**43–15**	**3.5b**	**32**	**0-62**
NIED	X	10 14 40 00	38.20N	141.70E	56	3.7W		**¶601997770**
ISCJB	X	10 14 40 35.7–.82	38.17N–.04	141.74E–.09	56–7	3.5b		
JMA	X	10 14 40 36.9–.10	38.17N	141.68E	51–1	3.5		
IDC	X	10 14 40 36.1–3.2	38.25N	141.95E	51–30	3.4,3.4		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s248.00000°,δ31.00000°,λ121.00000°. NP2:ϕ_s32.00000°,δ64.00000°,λ73.00000°. M_o3.57000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=5.3km az=22.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=35.1km s-min=12.8km az=118.0.

(73) El Salvador

ISC	**X**	**10 14 48 15.5–1.5**	**13.3N–.10**	**89.61W–.08**	**100**		**30**	**1-27**
NEIC	X	10 14 48 15.0–1.4	13.00N	89.75W	128–13	4.6b,4.0		**¶601997773**
ISCJB	X	10 14 48 16.2–.88	13.48N–.09	89.53W–.07	100	4.8b,4.0		
UCR	X	10 14 48 19.0–.92	13.30N	89.53W	62–8	4.6b,4.0L		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=25.0km s-min=12.0km az=219.0. Felt [II] at San Salvador.

ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=6.2km az=29.5.

UCR Error ellipse: s-maj=7.6km s-min=3.4km az=-1.0.

(122) Near coast of northern Chile

ISC	**X**	**10 16 37 03.6–.63**	**26.20S–.03**	**70.92W–.08**	**31**	**4.0b**	**65**	**1-169**
SJA	X	10 16 36 52.0–.48	25.60S	71.56W	33	4.5L,3.9W		**¶601819788**
ISCJB	X	10 16 37 02.3–.54	26.14S–.02	70.97W–.10	31	4.0b,3.6s		
GUC	X	10 16 37 02.5–.72	26.23S	70.54W	73–28	4.3L,3.6s		
NEIC	X	10 16 37 03.8–1.8	26.16S	70.71W	26–13	4.3L,4.0b		
IDC	X	10 16 37 08.8–3.9	26.05S	70.37W	58–31	4.0L,3.9		

ISC Event type fe.

SJA Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=3.3km az=176.5.
GUC Error ellipse: s-maj=2.9km s-min=43.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=5.9km az=92.0. Felt [II] at Copiapo and Tierra Amarilla.
IDC Error ellipse: s-maj=33.6km s-min=29.9km az=84.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**10 16 55 23.3–1.7**	**37.17N–.04**	**142.08E–.05**	**2–10**	**4.0b**	**61**	**1-92**
NIED	X	10 16 55 00	37.20N	141.90E	32	3.9W		**¶601839068**
IDC	X	10 16 55 23.4–.86	37.18N	142.20E	0	4.0,3.9		
NEIC	X	10 16 55 28.2–2.0	37.17N	142.13E	32–15	4.3b,3.9		
JMA	X	10 16 55 28.4–.20	37.24N	141.88E	44–4	4.1,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ27.00000°,λ-48.00000°. NP2:ϕ_s290.00000°,δ70.00000°,λ-109.00000°. $M_0$7.77000×10^{14}
IDC Error ellipse: s-maj=22.6km s-min=13.9km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.5km az=106.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(460) Wyoming

ISC	**X**	**10 18 06 09.9–1.5**	**43.87N–.07**	**105.21W–.07**	**0**		**9**	**1-9**
ISCJB	X	10 18 06 09.3–.68	43.89N–.07	105.19W–.09	0			**¶601997793**
IDC	X	10 18 06 09.5–2.3	43.72N	105.39W	0	3.6,3.5		
NEIC	X	10 18 06 10.6–.71	43.86N	105.19W	0	3.1L,3.5		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=9.6km s-min=9.4km az=142.8.
IDC Error ellipse: s-maj=59.6km s-min=9.4km az=151.0.
NEIC Event type fm. Error ellipse: s-maj=10.8km s-min=10.3km az=126.0. 54 km [34 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**X**	**10 21 39 35.0–1.7**	**36.87N–.04**	**141.47E–.06**	**5–10**	**3.6b**	**32**	**1-90**
NIED	X	10 21 39 00	36.80N	141.60E	8	3.6W		**¶601997804**
IDC	X	10 21 39 34.5–.95	36.87N	141.47E	0	3.9,3.8		
ISCJB	X	10 21 39 35.0–.99	36.84N–.04	141.55E–.06	19–6	3.6b,3.8		
JMA	X	10 21 39 36.2–.10	36.85N	141.46E	45–2	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ29.00000°,λ-88.00000°. NP2:ϕ_s25.00000°,δ61.00000°,λ-91.00000°. $M_0$2.49000×10^{14}
IDC Error ellipse: s-maj=21.9km s-min=18.4km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.2km az=24.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

JMA	**X**	**10 21 39 48.0–.10**	**38.41N**	**141.79E**	**57–1**	**3.7**		
								¶606043014

JMA Event type fe.

(134) Off coast of central Chile

ISC	**X**	**11 02 38 26.9–1.7**	**33.96S–.03**	**72.47W–.06**	**2–10**	**4.6b**	**92**	**1-176**
BJI	X	11 02 38 27.8	34.10S	72.30W	5	4.6b		**¶601825978**
IDC	X	11 02 38 28.3–.84	34.00S	72.06W	0	4.2,4.2L		
ISCJB	X	11 02 38 29.8–.41	34.02S–.02	72.61W–.05	33	4.4b,4.2L		
GUC	X	11 02 38 30.0–.35	34.00S	72.50W	32–2	4.2L,4.2L		
NEIC	X	11 02 38 30.0–.00	34.00S	72.50W	32	4.6b,4.2L		
SJA	X	11 02 38 58.8–.94	32.47S	70.82W	33	4.0W,3.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=32.7km s-min=15.7km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=13.2.
GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
NEIC Event type fe. Felt at San Antonio and Santiago. After GUC.
SJA Error ellipse: s-maj=4.4km s-min=23.7km az=-1.0.

(233) Near south coast of western Honshu

ISC	**X**	**11 03 28 02.8–1.1**	**33.88N–.06**	**135.40E–.03**	**55–7**		**31**	**0-42**
IDC	X	11 03 27 59.1–5.2	34.02N	135.03E	0	3.5b,3.4		**¶606043104**
ISCJB	X	11 03 28 02.3–.60	33.90N–.05	135.39E–.03	57–5	3.3b,3.4		
JMA	X	11 03 28 03.1	33.89N	135.42E	54–1	3.4,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=101.3km s-min=27.1km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.6km az=167.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s54.00000°,δ88.00000°,λ47.00000°. NP2:ϕ_s322.00000°,δ43.00000°,λ176.00000°. Principal axes: T Plg33.0000°,Azm289.0000°; N Plg43.0000°,Azm57.0000°; P Plg29.0000°,Azm178.0000°

(39) Central California

ISC	**X**	**11 04 03 26.1–.92**	**35.19N–.02**	**119.54W–.02**	**16–8**		**82**	**0-5**
ISCJB	X	11 04 03 26.3–.29	35.19N–.02	119.56W–.02	24–3			**¶601997837**
NEIC	X	11 04 03 26.6–.00	35.21N	119.53W	14	2.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=154.1.
NEIC Event type fe. Felt at Bakersfield and Frazier Park. After PAS.

(263) Talaud Islands

ISC	**X**	**11 05 47 12.5–.46**	**4.56N–.03**	**125.81E–.05**	**174–4**	**4.9b**	**387**	**1-167**
BJI	X	11 05 47 07.3	4.15N	125.70E	164	5.0b,4.8b		**¶601825987**
GCMT	X	11 05 47 11.5–.40	4.53N–.03	125.92E–.03	184–4	4.9W,4.8b		
NEIC	X	11 05 47 11.5–.17	4.56N	125.67E	164	4.9b,4.8b		
MAN	X	11 05 47 11.4	4.49N	125.65E	174	5.4b,4.6s		
ISCJB	X	11 05 47 11.6–.24	4.59N–.02	125.86E–.03	183–2	4.8b,4.6s		
DJA	X	11 05 47 12.7–.40	5N–4.0	126E–3.0	159–3	5.4b,5.3		
IDC	X	11 05 47 12.2–.81	4.58N	125.70E	170–7	4.8,4.4		
MOS	X	11 05 47 13.1–1.1	4.63N	125.65E	194	5.0b,4.4		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s75,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.13 $M_{\theta\theta}$-0.49±.12; $M_{\phi\phi}$-0.76±.15; $M_{r\theta}$-1.12±.10; $M_{\theta\phi}$0.47±.14; $M_{\phi r}$2.44±.12; Best double couple: NP1:ϕ_s334.00000°,δ78.00000°,λ94.00000°. NP2:ϕ_s137.00000°,δ12.00000°,λ73.00000°. Principal axes: T 3.0170,Plg57.0000°,Azm249.0000°; N -0.1740,Plg4.0000°,Azm153.0000°; P -2.8470,Plg33.0000°,Azm61.0000° $M_0$2.93200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=76.0. Felt [II PIVS] at General Santos, Philippines.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=172.6.
IDC Error ellipse: s-maj=11.4km s-min=6.8km az=80.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=119.1.

(228) Near east coast of eastern Honshu

ISC	**X**	**11 07 06 14.2–.71**	**36.12N–.04**	**140.05E–.05**	**73–6**	**4.4b**	**116**	**0-153**
NIED	X	11 07 06 00	36.20N	140.10E	68	4.3W		**¶601874144**
ISCJB	X	11 07 06 13.1–.42	36.08N–.03	140.04E–.05	80–3	4.3b		
JMA	X	11 07 06 14.2–.10	36.13N	140.08E	64–1	3.9		
NEIC	X	11 07 06 16.0–.45	36.04N	139.98E	93–3	4.5b		
IDC	X	11 07 06 16.4–1.1	36.10N	139.99E	96–10	4.2,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ105.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ82.00000°. $M_0$2.73000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.2km az=27.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ65.00000°,λ81.00000°. NP2: ϕ_s207.00000°,δ27.00000°,λ109.00000°. Principal axes: T Plg69.0000°,Azm257.0000°; N Plg9.0000°,Azm10.0000°; P Plg19.0000°,Azm103.0000°
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=112.0.
IDC Error ellipse: s-maj=13.2km s-min=8.8km az=79.0.

(48) Baja California

ISC	**X**	**11 15 13 16.6–.41**	**24.79N–.04**	**110.07W–.05**	**10**	**4.6b,3.9s**	**489**	**1-129**
IDC	X	11 15 13 14.5–.72	24.72N	109.93W	0	4.3,4.1		**¶601826734**
ISCJB	X	11 15 13 15.3–.23	24.69N–.02	110.09W–.02	10	4.5b,3.9s		
MEX	X	11 15 13 17.3–.65	24.80N	110.33W	16–11	4.6,3.9s		
NEIC	X	11 15 13 17.3–.00	24.80N	110.33W	16	4.4b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=8.1km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=23.7.
MEX Error ellipse: s-maj=3.1km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt at La Paz, Baja California Sur. After MEX.

(127) Chile-Argentina border region

ISC	**X**	**11 17 22 09.9–.47**	**32.88S–.03**	**70.59W–.04**	**82–4**	**5.5b**	**1187**	**0-179**
NEIC	X	11 17 22 09.9–.33	32.87S	70.31W	82–3	5.7,5.7L		**¶601874145**
ISCJB	X	11 17 22 09.9–.20	32.79S–.02	70.40W–.03	94–1	5.4b,5.7L		
SJA	X	11 17 22 09.6–.71	32.98S	70.50W	137–6	5.7L,5.2W		
GUC	X	11 17 22 10.5–.45	32.88S	70.65W	95–2	5.7W,5.7L		
MOS	X	11 17 22 10.4–.96	32.82S	70.52W	93	5.4b,4.3s		
NEIC	X	11 17 22 10.0–.00	32.97S	70.52W	120	5.4b,4.3s		
BJI	X	11 17 22 11.3	32.90S	70.40W	82	5.5,5.5s		
IDC	X	11 17 22 13.3–3.2	32.86S	70.42W	113–27	5.4,5.1		
GCMT	X	11 17 22 14.9–.10	32.86S–.01	70.57W–.01	107–1	5.6W,5.1		

ISC Event type fe.
NEIC Event type fe. Felt [VI] at Lampa, Melipilla, Penaflor, Puente Alto, San Bernardo, Santiago, Talagante and Tiltil and [V] in the Petorca-Rancagua-Valparaiso area. Felt as far north as Coquimbo and as far south as Linares. Also felt [IV] at Mendoza and [III] at San Juan, Argentina. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.48 $M_{r\theta}$-1.12 $M_{\theta\phi}$3.20 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s177.00000°,δ73.00000°,λ-171.00000°. NP2:ϕ_s84.00000°,δ82.00000°,λ-17.00000°. Principal axes: T 3.2500,Plg6.0000°,Azm132.0000°; N 0.4000,Plg71.0000°,Azm239.0000°; P -3.6500,Plg18.0000°,Azm40.0000° $M_0$3.50000×10^{17}
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$1.46 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.93 $M_{\phi r}$0.26 Best double couple: NP1:ϕ_s161.00000°,δ88.00000°,λ-172.00000°. NP2:ϕ_s71.00000°,δ83.00000°,λ-2.00000°. Principal axes: T 2.4200,Plg3.0000°,Azm295.0000°; N 0.0700,Plg82.0000°,Azm179.0000°; P -2.4900,Plg6.0000°,Azm26.0000° $M_0$2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c155; s92,c182;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.04 $M_{\theta\theta}$-1.11±.05; $M_{\phi\phi}$1.11±.05; $M_{r\theta}$-0.41±.04; $M_{\theta\phi}$3.10±.04; $M_{\phi r}$0.28±.04; Best double couple: NP1:ϕ_s80.00000°,δ84.00000°,λ-6.00000°. NP2:ϕ_s170.00000°,δ84.00000°,λ-174.00000°. Principal axes: T 3.2930,Plg0.0000°,Azm125.0000°; N 0.0680,Plg82.0000°,Azm216.0000°; P -3.3660,Plg8.0000°,Azm35.0000° $M_0$3.32900×10^{17}

(228) Near east coast of eastern Honshu

ISC	**X**	**11 20 06 59.6–1.8**	**38.17N–.04**	**142.24E–.07**	**12–10**	**3.5b**	**35**	**1-58**
IDC	X	11 20 06 57.4–1.6	38.20N	142.72E	0	3.7,3.7		**¶606043397**
NIED	X	11 20 07 00	38.20N	142.20E	38	3.7W,3.7		
JMA	X	11 20 07 04.0–.10	38.25N	142.11E	41–1	4.0,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=20.8km az=89.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ48.00000°,λ54.00000°. NP2: ϕ_s228.00000°,δ53.00000°,λ123.00000°. $M_0$3.95000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**11 20 45 58.8–1.0**	**39.85N–.03**	**142.07E–.06**	**30–7**	**3.9b**	**36**	**0-75**
NIED	X	11 20 45 00	39.80N	142.10E	35	3.9W		**¶601874146**
ISCJB	X	11 20 45 58.2–.68	39.84N–.03	142.11E–.08	39–6	3.8b,3.4s		
JMA	X	11 20 45 58.6	39.84N	142.09E	33–1	3.8,3.4s		
IDC	X	11 20 46 02.9–2.0	39.92N	142.16E	68–16	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ15.00000°,λ175.00000°. NP2:ϕ_s275.00000°,δ89.00000°,λ75.00000°. $M_0$7.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=4.9km az=5.3.
JMA Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=10.4km az=115.0.

(135) Near coast of central Chile

ISC	**X**	**11 21 36 07.3–.69**	**33.94S–.05**	**72.49W–.06**	**17**	**4.2b**	**45**	**1-157**
IDC	X	11 21 36 05.4–.85	33.98S	72.17W	0	4.2,4.1		**¶601839765**
ISCJB	X	11 21 36 06.3–.65	33.99S–.04	72.56W–.06	17	4.1b,3.5s		
NEIC	X	11 21 36 08.0–.00	34.01S	72.48W	43	4.3L,4.2b		
GUC	X	11 21 36 08.3–.34	34.01S	72.48W	43–13	4.3L,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=33.2km s-min=15.7km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.5km az=12.9.
NEIC Event type fe. Felt [II] at Rancagua. After GUC.
GUC Error ellipse: s-maj=2.8km s-min=8.6km az=-1.0.

(224) Hokkaido region

ISC	**X**	**11 22 52 27.9–.71**	**42.06N–.05**	**142.56E–.04**	**64–6**	**3.7b**	**51**	**0-86**
NIED	X	11 22 52 00	42.00N	142.60E	59	3.8W		**¶601874147**
ISCJB	X	11 22 52 26.8–.39	42.04N–.04	142.55E–.04	70–3	3.6b		
JMA	X	11 22 52 27.2–.10	42.03N	142.58E	64–2	3.6		
IDC	X	11 22 52 30.1–1.6	42.16N	142.55E	84–11	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ20.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ70.00000°,λ90.00000°. $M_0$6.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=153.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=10.8km az=122.0.

(228) Near east coast of eastern Honshu

JMA	**X**	**11 23 36 39.0–.10**	**37.28N**	**141.21E**	**35–1**	**3.6**		
								¶606043448

JMA Event type fe.

(710) Pakistan

ISC	**X**	**11 23 54 29.7–.33**	**34.13N–.04**	**73.82E–.03**	**20**	**4.4b**	**204**	**1-103**
IDC	X	11 23 54 26.6–.53	34.14N	73.69E	0	4.3,4.2		**¶601828935**
ISCJB	X	11 23 54 27.9–.16	34.12N–.02	73.81E–.03	20	4.4b,3.3s		
BJI	X	11 23 54 28.5	34.31N	73.65E	26	4.7b,4.6b		
NEIC	X	11 23 54 30.6–.93	34.11N	73.70E	26–6	4.6b,4.6b		
NDI	X	11 23 54 33.1–2.6	33.97N	73.58E	21–62	4.7L,4.6b		
NNC	X	11 23 54 34.5–3.9	34.51N	74.03E	0	4.8b,4.5		

ISC Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=11.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.4km az=180.0. Felt at Abbottabad.
NDI Error ellipse: s-maj=53.4km s-min=36.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=38.2km s-min=28.6km az=80.0.

(196) Irian Jaya region

ISC	**X**	**12 00 31 31.4–.33**	**4.89S–.02**	**134.08E–.03**	**35–1**	**6.6s,6.3b**	**2124**	**1-173**
IDC	X	12 00 31 26.3–.27	4.81S	134.10E	0	6.5s,6.5		**¶601828936**
ISCJB	X	12 00 31 27.1–.53	4.87S–.02	134.07E–.02	16–3	6.5s,6.2b		
NEIC	X	12 00 31 28.3–.10	4.89S	134.03E	13	6.8,6.6W		
BJI	X	12 00 31 28.3	4.89S	134.07E	27	6.6s,6.5b		
MOS	X	12 00 31 29.5–.94	4.84S	134.06E	33	6.5b,6.4s		
DJA	X	12 00 31 30.8–.10	5S–1.0	134E–1.0	23	7.1,7.0b		
NEIC	X	12 00 31 30.0–.00	4.74S	133.98E	15	7.1,7.0b		
GCMT	X	12 00 31 33.3–.00	4.84S	133.97E	20–0	6.6W,7.0b		
NEIC	X	12 00 31 45.0–.00	5.02S	133.98E	10	6.6W,7.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.0km s-min=8.0km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=44.1.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=45.0. Felt [IV] on Pulau Ambon and [III] at Nabire, Timika and Wamena. Also felt at Tual. Felt [II] at Darwin, Australia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.36 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.28 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$6.13 $M_{r\theta}$-1.09 $M_{\theta\phi}$1.26 $M_{\phi r}$1.45 Best double couple: NP1:ϕ_s26.00000°,δ41.00000°,λ-66.00000°. NP2:ϕ_s175.00000°,δ53.00000°,λ-109.00000°. Principal axes: T 6.4900,Plg6.0000°,Azm279.0000°; N -0.7100,Plg15.0000°,Azm187.0000°; P -5.7800,Plg73.0000°,Azm30.0000° $M_0$6.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s163.00000°,δ66.00000°,λ-141.00000°. NP2: ϕ_s55.00000°,δ55.00000°,λ-30.00000°. Principal axes: T Plg7.0000°,Azm287.0000°; N Plg0.0000°,Azm0.0000°; P Plg44.0000°,Azm23.0000°
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=111.1.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ61.00000°,λ-77.00000°. NP2:ϕ_s174.00000°,δ32.00000°,λ-111.00000°. Principal axes: T 0.9600,Plg14.0000°,Azm99.0000°; N 0.0800,Plg10.0000°,Azm192.0000°; P -1.0400,Plg71.0000°,Azm317.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c389; s144,c681; Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.77±.00 $M_{\theta\theta}$-0.07±.00; $M_{\phi\phi}$0.84±.00; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$0.17±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s177.00000°,δ57.00000°,λ-106.00000°. NP2:ϕ_s25.00000°,δ36.00000°,λ-67.00000°. Principal axes: T 0.9360,Plg11.0000°,Azm278.0000°; N -0.0600,Plg13.0000°,Azm186.0000°; P -0.8760,Plg73.0000°,Azm46.0000° $M_0$0.90600×10^{19}

NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{18}Nm; M_{rr}-7.03 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$7.79 $M_{r\theta}$1.70 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.50 Best double couple: NP1:ϕ_s207.00000° ,δ43.00000°,λ-66.00000°. NP2:ϕ_s355.00000°,δ52.00000°,λ-111.00000°. Principal axes: T 8.2100,Plg4.0000°,Azm100.0000°; N -0.5100,Plg16.0000°,Azm9.0000° ; P -7.7000,Plg73.0000°,Azm205.0000° M_o8.00000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**X**	**12 04 57 20.7–.25**	**35.82N–.03**	**140.63E–.03**	**35–1**	**5.2b,4.7s**	**1082**	**0-162**
NIED	X	12 04 57 00	35.90N	140.60E	38	5.3W,4.7s		**¶601828945**
BJI	X	12 04 57 16.6	35.71N	140.87E	45	5.2b,5.0b		
ISCJB	X	12 04 57 19.8–.26	35.78N–.02	140.40E–.02	36–2	5.1b,4.7s		
JMA	X	12 04 57 19.5–.10	35.85N	140.55E	37–1	5.1,4.7s		
NEIC	X	12 04 57 19.8–.93	35.76N	140.35E	25–6	5.2b,4.7s		
IDC	X	12 04 57 19.1–3.7	35.79N	140.45E	22–24	5.0,5.0		
MOS	X	12 04 57 20.8–.73	36.13N	140.33E	33	5.4b,4.6s		
GCMT	X	12 04 57 21.8–.20	35.84N–.01	140.63E–.02	34–0	5.4W,4.6s		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s279.00000°,δ24.00000°,λ151.00000°. NP2:ϕ_s35.00000°,δ79.00000°,λ68.00000°. M_o9.46000×10^{16}

ISCJB Event type fe.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s65.00000°,δ60.00000°,λ97.00000°. NP2:ϕ_s231.00000°,δ31.00000°,λ78.00000°. Principal axes: T Plg74.0000°,Azm354.0000°; N Plg6.0000°,Azm242.0000°; P Plg15.0000° ,Azm150.0000°

NEIC Event type fe. Felt [IV] at Chiba and Narita and [III] at Tokyo. Felt throughout Tokyo-to and in much of Chiba, Ibaraki, Kanagawa, Saitama and Tochigi. Recorded [4 JMA] in Chiba and Ibaraki.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c113; s96,c177;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.04 $M_{\theta\theta}$-0.82±.03; $M_{\phi\phi}$-0.28±.03; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$-0.51±.02; $M_{\phi r}$0.74±.03; Best double couple: NP1:ϕ_s48.00000°,δ66.00000°,λ81.00000°. NP2:ϕ_s249.00000°,δ25.00000°,λ109.00000°. Principal axes: T 1.5090,Plg68.0000° ,Azm302.0000°; N -0.0180,Plg8.0000°,Azm52.0000°; P -1.4910,Plg21.0000°,Azm145.0000° M_o1.50000×10^{17}

(228) Near east coast of eastern Honshu

JMA	**X**	**12 06 14 53.3–.10**	**35.85N**	**140.54E**	**36–1**	**3.1**		**¶606043666**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(97) Near coast of Venezuela

ISC	**X**	**12 12 16 20.0–.47**	**10.54N–.03**	**62.86W–.03**	**17–2**	**4.8b,4.0s**	**883**	**1-149**
TRN	X	12 12 16 16.9	10.48N	62.93W	3	4.5,4.0s		**¶601829121**
IDC	X	12 12 16 17.2–.45	10.71N	62.84W	0	4.7,4.6		
NEIC	X	12 12 16 18.8–.19	10.51N	62.81W	10	4.9b,4.8W		
ISCJB	X	12 12 16 18.8–.62	10.51N–.02	62.83W–.02	20–4	4.8b,4.0s		
GCMT	X	12 12 16 21.8–.30	10.55N–.02	62.73W–.02	15–2	4.8W,4.0s		
BJI	X	12 12 16 23.0	10.50N	62.80W	33	5.3b,5.0s		

ISC Event type fe.

TRN Event type fe. Felt in North-West Trinidad, MMI II.

IDC Error ellipse: s-maj=13.3km s-min=12.0km az=131.0.

NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.5km az=202.0. Felt at Penal, Port of Spain and Westmoorings, Trinidad.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=141.7.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s84,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.12 $M_{\theta\theta}$0.15±.08; $M_{\phi\phi}$0.63±.10; $M_{r\theta}$0.11±.18; $M_{\theta\phi}$-2.01±.09; $M_{\phi r}$-0.91±.22; Best double couple: NP1:ϕ_s359.00000°,δ80.00000°,λ-30.00000°. NP2:ϕ_s95.00000°,δ61.00000°,λ-168.00000°. Principal axes: T 2.5910,Plg13.0000° ,Azm50.0000°; N -0.6830,Plg59.0000°,Azm162.0000°; P -1.9080,Plg28.0000° ,Azm313.0000° M_o2.24900×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**12 13 30 14.0–1.7**	**36.28N–.05**	**141.01E–.06**	**16–10**	**3.6b**	**24**	**0-78**
NIED	X	12 13 30 00	36.30N	141.00E	47	3.9W		**¶606043933**
IDC	X	12 13 30 11.5–.92	36.26N	140.98E	0	3.8,3.8		
JMA	X	12 13 30 15.9–.10	36.23N	140.90E	47–1	3.5,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ26.00000°,λ-169.00000°. NP2:ϕ_s156.00000°,δ85.00000°,λ-64.00000°. M_o9.22000×10^{14}

IDC Error ellipse: s-maj=23.5km s-min=21.1km az=82.0.

JMA Event type fe.

(228) Near east coast of eastern Honshu

JMA	**X**	**12 14 21 05.2–.10**	**35.19N**	**140.20E**	**11–2**	**3.1**		**¶606043966**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**12 14 35 52.1–.71**	**35.83N–.04**	**140.57E–.05**	**35**	**3.8b**	**27**	**0-79**
NIED	X	12 14 35 00	35.90N	140.70E	38	3.9W		**¶606043974**
ISCJB	X	12 14 35 51.0–.44	35.82N–.04	140.55E–.06	35	3.6b,3.3s		
JMA	X	12 14 35 51.6–.10	35.84N	140.56E	38–1	3.6,3.3s		
IDC	X	12 14 35 52.4–3.4	35.79N	140.50E	36–28	3.8,3.7L		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ26.00000°,λ96.00000°. NP2:ϕ_s40.00000°,δ64.00000°,λ87.00000°. M_o6.80000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=156.3.

JMA Event type fe.

IDC Error ellipse: s-maj=25.9km s-min=16.6km az=90.0.

(78) Costa Rica

ISC	**X**	**12 19 24 15.8–.46**	**9.58N–.04**	**84.27W–.04**	**53–3**	**5.0b,4.1s**	**1070**	**0-154**
UCR	X	12 19 24 14.4–2.0	9.46N	84.32W	30–3	5.0b,4.7		**¶601830331**
BJI	X	12 19 24 14.0	9.60N	84.20W	40	5.5b,5.2s		
MOS	X	12 19 24 14.5–.93	9.72N	84.30W	49	5.0b,4.1s		
ISCJB	X	12 19 24 14.6–.22	9.59N–.02	84.27W–.02	59–1	5.0b,4.1s		
GCMT	X	12 19 24 15.6–.30	9.50N–.02	84.41W–.02	48–3	5.0W,4.1s		
NEIC	X	12 19 24 16.6–.41	9.60N	84.27W	63–3	5.2,5.0b		
IDC	X	12 19 24 16.3–.95	9.74N	84.24W	54–8	4.8,4.6		

ISC Event type fe.

UCR Error ellipse: s-maj=4.6km s-min=3.4km az=-1.0.

MOS Error ellipse: s-maj=10.2km s-min=5.4km az=104.1.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=36.5.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c26; s80,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.18 $M_{\theta\theta}$2.09±.14; $M_{\phi\phi}$-3.39±.14; $M_{r\theta}$1.74±.12; $M_{\theta\phi}$-1.06±.12; $M_{\phi r}$-0.47±.15; Best double couple: NP1:ϕ_s152.00000°,δ66.00000°,λ30.00000°. NP2:ϕ_s49.00000°,δ63.00000°,λ153.00000°. Principal axes: T 3.6550,Plg37.0000° ,Azm11.0000°; N -0.0720,Plg53.0000°,Azm187.0000°; P -3.5930,Plg2.0000°,Azm280.0000° M_o3.62400×10^{16}

NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=215.0. Felt [IV] at Alajuela, Alajuelita, Cartago, Heredia, Quepos, San Jose and Santa Ana; [III] at Atenas, Escazu, Guadalupe, Jaco, Parrita, Puerto Viejo, San Ignacio and Tres Rios. Felt widely in the Valle Central and lightly in Guanacaste.

IDC Error ellipse: s-maj=16.4km s-min=9.4km az=41.0.

(229) Off east coast of Honshu

ISC	**X**	**13 00 54 51.4–2.8**	**37.58N–.05**	**141.93E–.06**	**3–16**	**3.9b**	**39**	**1-146**
NIED	X	13 00 54 00	37.60N	142.00E	11	3.7W		**¶601874150**
ISCJB	X	13 00 54 52.3–1.3	37.60N–.04	142.05E–.07	19–8	3.8b		
JMA	X	13 00 54 53.5–.10	37.64N	142.01E	30–2	4.0		
IDC	X	13 00 54 56.5–3.9	37.61N	141.91E	36–31	3.9,3.9		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ42.00000°,λ-116.00000°. NP2:ϕ_s28.00000°,δ53.00000°,λ-69.00000°. M_o4.46000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.9km az=19.5.

JMA Event type fe.

IDC Error ellipse: s-maj=21.6km s-min=15.3km az=90.0.

(58) Near coast of Guerrero

ISC	**X**	**13 01 24 52.0–.80**	**16.86N–.04**	**100.32W–.04**	**15–4**	**4.5b**	**395**	**0-146**
IDC	X	13 01 24 49.4–.63	16.98N	99.99W	0	4.4,4.3		**¶601830337**
ISCJB	X	13 01 24 52.0–.56	16.87N–.03	100.20W–.02	26–3	4.4b,3.6s		
NEIC	X	13 01 24 52.6–.00	16.85N	100.32W	5	4.6,4.4b		
MEX	X	13 01 24 52.6–1.1	16.85N	100.32W	5	4.6,4.4b		

ISC Event type fe.

IDC Error ellipse: s-maj=32.3km s-min=14.4km az=67.0.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=19.4.

NEIC Event type fe. Felt at Acapulco, Chilpancingo and Coyuca. After MEX.

MEX Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.

(232) Western Honshu

ISC	**X**	**13 02 21 02.3–1.1**	**35.23N–.06**	**135.67E–.03**	**11–9**		**18**	**0-55**
NIED	X	13 02 21 00	35.30N	135.70E	20	3.5W		**¶601998075**
IDC	X	13 02 21 01.1–1.5	35.05N	135.75E	0	3.7,3.5		
ISCJB	X	13 02 21 02.3–.56	35.25N–.03	135.66E–.04	7–6	3.4b,3.5		
JMA	X	13 02 21 02.7	35.26N	135.66E	13–1	3.8,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s313.00000°,δ61.00000°,λ17.00000°. NP2:ϕ_s215.00000°,δ75.00000°,λ150.00000°. M_o2.12000×10^{14}

IDC Error ellipse: s-maj=27.0km s-min=16.5km az=140.0.

ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.0km az=157.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s209.00000°,δ69.00000°,λ143.00000°. NP2:ϕ_s314.00000°,δ56.00000°,λ26.00000°. Principal axes: T Plg41.0000°,Azm167.0000°; N Plg48.0000°,Azm3.0000°; P Plg8.0000° ,Azm264.0000°

(228) Near east coast of eastern Honshu

ISC	**X**	**13 14 02 19.4–.92**	**35.80N–.04**	**140.55E–.05**	**32–7**	**3.6b**	**31**	**0-75**
NIED	X	13 14 02 00	35.90N	140.60E	50	3.8W		**¶601998125**
IDC	X	13 14 02 14.3–.94	35.75N	140.56E	0	3.8,3.7		
ISCJB	X	13 14 02 18.5–.42	35.84N–.04	140.59E–.05	44–4	3.6b,3.7		
JMA	X	13 14 02 19.3–.10	35.85N	140.54E	38–1	3.5,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s292.00000°,δ23.00000°,λ-174.00000°. NP2:ϕ_s197.00000°,δ88.00000°,λ-67.00000°. M_o6.03000×10^{14}

IDC Error ellipse: s-maj=24.9km s-min=15.6km az=76.0.

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.3km az=150.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ71.00000°,λ79.00000°. NP2: ϕ_s234.00000°,δ22.00000°,λ118.00000°. Principal axes: T Plg63.0000°,Azm278.0000° ; N Plg10.0000°,Azm28.0000°; P Plg25.0000°,Azm123.0000°

(236) Shikoku

ISC	**X**	**13 15 14 22.8–1.0**	**32.77N–.05**	**132.27E–.03**	**34–3**	**3.7b**	**32**	**0-83**
NIED	X	13 15 14 00	32.80N	132.30E	32	4.1W		**¶601998133**
ISCJB	X	13 15 14 22.5–.45	32.74N–.05	132.31E–.04	49–4	3.6b,3.2s		
JMA	X	13 15 14 23.5	32.77N	132.29E	36–1	4.1,3.2s		
IDC	X	13 15 14 26.2–1.6	32.89N	132.18E	73–14	3.6,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ42.00000°,λ-101.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ-81.00000°. M_o1.35000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.6km az=153.9.

JMA Event type fe.

IDC Error ellipse: s-maj=20.0km s-min=19.1km az=41.0.

(460) Wyoming

ISC	**X**	**13 18 08 38.9–1.1**	**43.82N–.08**	**105.29W–.08**	**0**		**13**	**1-11**
ISCJB	X	13 18 08 37.5–.59	43.83N–.07	105.30W–.08	0			**¶601998144**
IDC	X	13 18 08 38.4–1.8	43.63N	105.41W	0	3.8,3.5		
NEIC	X	13 18 08 38.6–.78	43.77N	105.21W	0	3.3L,3.5		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=11.0km s-min=7.0km az=147.8.

IDC Error ellipse: s-maj=48.9km s-min=9.0km az=151.0.

NEIC Event type fm. Error ellipse: s-maj=15.9km s-min=9.3km az=151.0. 63 km [39 miles] SSE of Gillette. Suspected Mining explosion.

(337) Eastern Caucasus

ISC	**X**	**13 18 44 12.3–.51**	**41.75N–.01**	**46.28E–.01**	**16–3**	**4.6b,4.1s**	**667**	**0-99**
THR	X	13 18 44 08.3–.37	42.05N	46.20E	18–87	4.5L,4.1s		**¶601833173**
BJI	X	13 18 44 09.9	41.80N	46.30E	15	5.1b,4.7b		
IDC	X	13 18 44 09.6–.48	41.73N	46.36E	0	4.3,4.2		
ISCJB	X	13 18 44 10.9–.10	41.81N–.01	46.38E–.01	10	4.5b,4.0s		
AZER	X	13 18 44 10.8–.01	41.62N	46.29E	5–0	4.5L,4.0s		
MOS	X	13 18 44 10.6–1.7	41.68N	46.36E	12	4.7b,4.0s		
MOS	X	13 18 44 11.0–.00	41.75N	46.32E	11–0	5.2,4.0s		
TIF	X	13 18 44 11.6	41.75N	46.31E	14–1	5.2,4.0s		
NORS	X	13 18 44 11.7–.00	41.74N	46.35E	17–0	5.1,4.0s		
NEIC	X	13 18 44 11.2–.74	41.83N	46.33E	9–5	4.6L,4.6L		
NSSP	X	13 18 44 11.5	41.73N	46.35E	10	4.7s,4.6L		
DRS	X	13 18 44 13.5–.00	41.76N	46.27E	15	4.7s,4.6L		
NNC	X	13 18 44 16.8–4.5	41.90N	46.61E	34–34	4.5b,4.6L		
DDA	X	13 18 44 22.7	41.30N	45.22E	5	4.3L,4.6L		

ISC Event type fe.

THR Error ellipse: s-maj=60.6km s-min=7.2km az=-1.0.

IDC Error ellipse: s-maj=8.8km s-min=7.1km az=164.0.

ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=23.1.

AZER Error ellipse: s-maj=1.1km s-min=0.6km az=349.0.

MOS Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=118.3. Felt (II) at Makhachkala. Moment Tensor Solution.

MOS Event type se.

NORS Event type se.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.5km az=186.0. Felt [III] at Tbilisi.

DRS Event type se.

NNC Event type se. Error ellipse: s-maj=25.7km s-min=15.4km az=64.0.

DDA Event type ke.

(460) Wyoming

ISC	**X**	**13 20 06 30.8–1.1**	**43.83N–.06**	**105.18W–.06**	**0**		**14**	**1-11**
ISCJB	X	13 20 06 31.9–.78	43.81N–.09	105.22W–.09	0			**¶601998149**
IDC	X	13 20 06 31.5–1.7	43.87N	105.32W	0	3.5,3.2		
NEIC	X	13 20 06 33.5–.87	43.92N	105.23W	0	3.0L,3.2		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=13.3km s-min=8.7km az=164.2.

IDC Error ellipse: s-maj=51.9km s-min=9.0km az=149.0.

NEIC Event type fm. Error ellipse: s-maj=14.6km s-min=10.3km az=172.0. 47 km [29 miles] SSE of Gillette. Suspected Mining explosion.

(135) Near coast of central Chile

ISC	**X**	**14 03 37 28.2–1.8**	**34.59S–.03**	**72.32W–.05**	**9–11**	**4.4b**	**98**	**1-177**
SJA	X	14 03 37 19.6–.30	34.70S	73.32W	10	4.5L,3.8W		**¶601833183**
IDC	X	14 03 37 27.0–.62	34.66S	72.19W	0	4.3,4.2		
ISCJB	X	14 03 37 28.4–.96	34.64S–.03	72.48W–.04	15–6	4.3b,3.5s		
GUC	X	14 03 37 30.0–.58	34.61S	72.21W	15–3	4.6L,3.5s		
NEIC	X	14 03 37 30.0–.00	34.61S	72.21W	15	4.6L,4.5b		

ISC Event type fe.

SJA Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0.

IDC Error ellipse: s-maj=30.6km s-min=18.9km az=79.0.

ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=10.4.

GUC Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0.

NEIC Event type fe. Felt [IV] at Paredones and Pichilemu; [III] at Cauquenes, Constitucion, Linares, Lolol, Longavi, Molina, San Fernando and Santa Cruz; [II] at Curico, Pencahue, Rancagua, Sagrada Familia and Talca. After GUC.

(228) Near east coast of eastern Honshu

ISC	**X**	**14 04 37 11.4–1.2**	**36.76N–.03**	**140.84E–.07**	**15–7**	**3.7b**	**26**	**0-60**
NIED	X	14 04 37 00	36.80N	140.80E	11	3.5W		**¶601834048**
IDC	X	14 04 37 08.5–1.7	36.76N	140.96E	0	3.9,3.8b		
ISCJB	X	14 04 37 10.2–.89	36.73N–.03	140.96E–.07	20–5	3.7b,3.8b		
JMA	X	14 04 37 12.0	36.76N	140.79E	17–1	3.9,3.8b		
NEIC	X	14 04 37 13.8–1.1	36.77N	140.87E	35	4.0b,3.8b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ45.00000°,λ-126.00000°. NP2:ϕ_s199.00000°,δ55.00000°,λ-59.00000°. M_o1.99000×10^{14}

IDC Error ellipse: s-maj=39.3km s-min=21.3km az=59.0.

ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.8km az=16.3.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s179.00000°,δ51.00000°,λ-83.00000°. NP2:ϕ_s348.00000°,δ39.00000°,λ-98.00000°. Principal axes: T Plg6.0000°,Azm264.0000°; N Plg5.0000°,Azm355.0000°; P Plg82.0000° ,Azm124.0000°

NEIC Event type fe. Error ellipse: s-maj=22.7km s-min=14.7km az=222.0. Recorded [3 JMA] in Ibaraki.

(228) Near east coast of eastern Honshu

ISC	**X**	**14 05 06 41.0–1.9**	**40.20N–.05**	**142.45E–.10**	**31–12**	**4.2b**	**48**	**1-88**
NIED	X	14 05 06 00	40.20N	142.50E	41	4.2W		**¶601881232**
IDC	X	14 05 06 37.6–1.8	40.37N	142.37E	0	4.2,4.1		
ISCJB	X	14 05 06 41.0–.93	40.15N–.03	142.48E–.09	47–7	4.2b,4.1		
JMA	X	14 05 06 41.1–.10	40.11N	142.47E	34–1	4.1,4.1		

NEIC X 14 05 06 43.7–.94 40.26N 142.32E 50–9 4.8b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ27.00000°,λ93.00000°. NP2:ϕ_s21.00000°,δ63.00000°,λ89.00000°. M_o2.13000×10^{15}
IDC Error ellipse: s-maj=39.0km s-min=26.4km az=151.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.6km az=177.0.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=8.2km az=123.0. Recorded [1 JMA] in Aomori and Iwate.

(232) Western Honshu

ISC	**X**	**14 06 34 17.2–1.2**	**35.21N–.04**	**132.77E–.03**	**4–10**		**21**	**0-55**
NIED	X	14 06 34 00	35.20N	132.80E	8	3.7W		**¶601834050**
ISCJB	X	14 06 34 16.4–.59	35.22N–.03	132.78E–.04	6–5	3.4b		
JMA	X	14 06 34 16.6	35.21N	132.80E	9–1	3.9		
IDC	X	14 06 34 20.2–3.4	35.14N	132.86E	35–38	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ60.00000°,λ22.00000°. NP2:ϕ_s51.00000°,δ72.00000°,λ148.00000°. M_o3.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=41.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ89.00000°,λ-174.00000°. NP2:ϕ_s140.00000°,δ84.00000°,λ-1.00000°. Principal axes: T Plg3.0000°,Azm5.0000°; N Plg84.0000°,Azm244.0000°; P Plg5.0000° ,Azm95.0000°
IDC Error ellipse: s-maj=25.7km s-min=21.6km az=177.0.

(221) Kuril Islands

ISC	**X**	**14 09 41 60.0–.37**	**48.26N–.03**	**154.59E–.03**	**47–2**	**5.6b,5.4s**	**2250**	**3-156**
NIED	X	14 09 41 00	48.10N	155.10E	29	5.7W,5.4s		**¶601833194**
BJI	X	14 09 41 53.7	48.48N	155.13E	34	5.4b,5.4b		
JMA	X	14 09 41 55.7–.70	48.13N	155.15E	30	5.7,5.4b		
KRSC	X	14 09 41 57.9–1.7	48.21N	154.79E	94–34	6.1L,5.4b		
NEIC	X	14 09 41 59.0–.07	48.31N	154.43E	35	5.7W,5.7W		
ISCJB	X	14 09 41 58.5–.27	48.29N–.02	154.53E–.02	46–2	5.5b,5.4s		
NEIC	X	14 09 41 58.0–.00	48.22N	154.61E	45	5.5b,5.4s		
MOS	X	14 09 41 59.6–.98	48.33N	154.56E	58	5.7b,5.3s		
SKHL	X	14 09 41 59.6–.20	48.08N	154.84E	60–2	6.1b,6.0		
GCMT	X	14 09 42 02.0–.10	48.27N–.01	154.81E–.01	46–0	5.8W,6.0		
IDC	X	14 09 42 02.3–1.9	48.33N	154.43E	66–16	5.3s,5.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ56.00000°,λ22.00000°. NP2:ϕ_s273.00000°,δ72.00000°,λ144.00000°. M_o3.94000×10^{17}
JMA Error ellipse: s-maj=10.0km s-min=8.9km az=-1.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.5km az=159.0. Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}4.27 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$-2.23 $M_{r\theta}$1.29 $M_{\theta\phi}$-3.41 $M_{\phi r}$-1.18 Best double couple: NP1:ϕ_s67.00000°,δ50.00000°,λ123.00000°. NP2:ϕ_s201.00000° ,δ50.00000°,λ57.00000°. Principal axes: T 5.0700,Plg65.0000°,Azm44.0000° ; N 0.4800,Plg25.0000°,Azm224.0000°; P -5.5500,Plg0.0000°,Azm134.0000° M_o5.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.4km az=155.1.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}3.94 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.53 $M_{\theta\phi}$-2.20 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s55.00000° ,δ54.00000°,λ110.00000°. NP2:ϕ_s203.00000°,δ41.00000°,λ65.00000°. Principal axes: T 4.4000,Plg72.0000°,Azm19.0000°; N -0.0700,Plg16.0000°,Azm222.0000° ; P -4.3300,Plg6.0000°,Azm130.0000° M_o4.40000×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=75.4. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c286; s137,c375; Duration: 1$\cdot$9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.31±.06 $M_{\theta\theta}$-3.09±.05; $M_{\phi\phi}$-2.21±.05; $M_{r\theta}$1.59±.05; $M_{\theta\phi}$-3.68±.03; $M_{\phi r}$-1.50±.05; Best double couple: NP1:ϕ_s70.00000°,δ50.00000° ,λ120.00000°. NP2:ϕ_s207.00000°,δ48.00000°,λ59.00000°. Principal axes: T 6.2290,Plg67.0000°,Azm46.0000°; N 0.1400,Plg23.0000°,Azm229.0000° ; P -6.3600,Plg1.0000°,Azm139.0000° M_o6.29400×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=8.0km az=134.0.

(2) Southern Alaska

ISC	**X**	**14 09 58 25.0–.41**	**60.11N–.03**	**152.54W–.04**	**80–3**	**4.4b**	**334**	**0-148**
IDC	X	14 09 58 23.3–1.3	60.20N	152.79W	63–14	4.3,4.2		**¶601833195**
ISCJB	X	14 09 58 25.4–.15	60.20N–.02	152.62W–.03	93–1	4.4b,4.2		
NEIC	X	14 09 58 27.1–.00	60.11N	152.56W	88	4.4b,4.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=10.0km s-min=9.1km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.5km az=145.8.
NEIC Event type fe. Felt [II] at Homer. Also felt at Anchorage, Chugiak, Eagle River, Kenai, Ninilchik and Sterling. After AEIC.

(337) Eastern Caucasus

ISC	**X**	**14 10 13 40.3–.38**	**41.72N–.01**	**46.31E–.01**	**24–2**	**5.4s,5.2b**	**1257**	**0-137**
NSSP	X	14 10 13 34.9	41.72N	46.28E	10	5.3s,5.2b		**¶601833197**
IDC	X	14 10 13 35.8–.31	41.71N	46.35E	0	5.2,5.2s		
AZER	X	14 10 13 36.2–.07	41.66N	46.27E	8–0	5.8L,5.2s		
MOS	X	14 10 13 36.7–.00	41.73N	46.31E	7–0	5.6,5.2s		
BJI	X	14 10 13 36.8	41.90N	46.40E	10	5.6s,5.5b		
MOS	X	14 10 13 37.1–1.4	41.72N	46.39E	10	5.3b,5.1s		
NORS	X	14 10 13 37.3–.00	41.75N	46.35E	4–0	5.6,5.1s		
TIF	X	14 10 13 37.5	41.66N	46.31E	14–1	5.6,5.1s		
NEIC	X	14 10 13 38.6–.12	41.83N	46.41E	10	5.6L,5.4L		
DRS	X	14 10 13 39.2–.00	41.77N	46.17E	16	5.6L,5.4L		
ISCJB	X	14 10 13 39.5–.24	41.75N–.01	46.37E–.01	26–1	5.3s,5.1b		
GII	X	14 10 13 39.7–.00	41.88N	46.44E	30–4	5.3s,5.1b		
GCMT	X	14 10 13 39.6–.20	41.63N–.01	46.31E–.02	12	5.6W,5.1b		
NNC	X	14 10 13 40.6–5.2	42.03N	46.72E	0	5.7b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=6.9km s-min=5.9km az=4.0.
AZER Error ellipse: s-maj=1.6km s-min=0.7km az=326.0.
MOS Event type se.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=120.3. Felt (III-IV) at Makhachkala, (II) at Tarumovka. Moment Tensor Solution.
NORS Event type se.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=178.0. Felt [IV] at Tbilisi, Georgia. Also felt at Lagodekhi, Rust'avi, Tibaani and Zemo Khandaki. Felt at Yerevan, Armenia.
DRS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=9.2.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c95; s94,c158;Duration: 1$\cdot$5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.02 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$2.66±.06; $M_{\theta\phi}$0.33±.02; $M_{\phi r}$-0.45±.06; Best double couple: NP1:ϕ_s100.00000°,δ83.00000°,λ86.00000°. NP2:ϕ_s310.00000°,δ9.00000°,λ120.00000°. Principal axes: T 2.7840,Plg52.0000° ,Azm5.0000°; N 0.0320,Plg4.0000°,Azm101.0000°; P -2.8170,Plg37.0000°,Azm194.0000° M_o2.80000×10^{17}
NNC Event type se. Error ellipse: s-maj=63.8km s-min=39.7km az=8.0.

(69) Near coast of Chiapas

ISC	**X**	**14 10 41 23.5–.37**	**14.65N–.04**	**92.51W–.03**	**75–2**	**5.3b**	**1643**	**1-157**
MOS	X	14 10 41 21.2–1.1	14.83N	92.05W	60	5.4b		**¶601833199**
IDC	X	14 10 41 21.9–1.9	14.84N	91.97W	58–15	5.1,5.0		
UCR	X	14 10 41 22.8–1.4	14.72N	92.46W	135–23	5.4b,5.3		
MEX	X	14 10 41 22.8–.94	14.46N	92.73W	14–17	5.2,5.3		
ISCJB	X	14 10 41 22.0–.12	14.75N–.01	92.39W–.01	69	5.2b,5.3		
NEIC	X	14 10 41 23.3–.15	14.68N	92.29W	69	5.5W,5.4b		
GCMT	X	14 10 41 23.3–.20	14.63N–.01	92.69W–.01	62–2	5.4W,5.4b		
BJI	X	14 10 41 27.6	14.80N	92.20W	98	5.4b,5.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.0km az=102.8.
IDC Error ellipse: s-maj=19.1km s-min=10.6km az=60.0.
UCR Error ellipse: s-maj=11.9km s-min=12.6km az=-1.0.
MEX Error ellipse: s-maj=13.2km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.4km az=44.3.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=45.0. Felt [IV] at Tapachula. Also felt at Comitan and Frontera Hidalgo. Felt [IV] at Quetzaltenango, Guatemala. Also felt at Antigua Guatemala, Cantel, Huehuetenango, San Andres Xecul, San Francisco El Alto, San Pablo, San Pedro La Laguna and Soloma. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.55 $M_{\theta\theta}$1.46 $M_{\phi\phi}$0.09 $M_{r\theta}$0.80 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.07 Best double couple: NP1: ϕ_s140.00000°,δ39.00000°,λ-59.00000°. NP2:ϕ_s282.00000°,δ58.00000°,λ-113.00000°. Principal axes: T 2.2300,Plg10.0000°,Azm28.0000°; N -0.4100,Plg19.0000°,Azm294.0000° ; P -1.8200,Plg68.0000°,Azm145.0000° M_o2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c115; s104,c188;Duration: 1$\cdot$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.40±.04 $M_{\theta\theta}$-0.40±.03; $M_{\phi\phi}$0.79±.03; $M_{r\theta}$1.04±.03; $M_{\theta\phi}$-0.68±.03; $M_{\phi r}$-0.54±.02; Best double couple: NP1:ϕ_s299.00000°,δ81.00000° ,λ-125.00000°. NP2:ϕ_s196.00000°,δ36.00000°,λ-16.00000°. Principal axes: T 1.5860,Plg27.0000°,Azm56.0000°; N -0.1400,Plg34.0000°,Azm306.0000° ; P -1.4450,Plg44.0000°,Azm176.0000° M_o1.51500×10^{17}

(229) Off east coast of Honshu

ISC	**X**	**14 11 11 35.2–.33**	**38.25N–.03**	**144.37E–.03**	**25–1**	**5.6b,4.9s**	**1810**	**2-159**
NIED	X	14 11 11 00	38.30N	144.30E	5	5.3W,4.9s		**¶601841765**
ISCJB	X	14 11 11 30.9–.52	38.24N–.02	144.31E–.01	6–3	5.5b,5.0s		
IDC	X	14 11 11 31.1–.35	38.21N	144.49E	0	5.3,5.3		
JMA	X	14 11 11 34.2–.10	38.28N	144.26E	46	5.4,5.3		
BJI	X	14 11 11 35.3	38.42N	144.07E	19	5.6b,5.4s		
GCMT	X	14 11 11 35.4–.10	38.29N–.01	144.34E–.01	12	5.4W,5.4s		
MOS	X	14 11 11 35.5–.95	38.36N	144.29E	37	5.6b,4.8s		
NEIC	X	14 11 11 36.4–.85	38.22N	144.33E	34–6	5.6b,4.9s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s183.00000°,δ57.00000°,λ-91.00000°. M_o1.06000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=164.5.
IDC Error ellipse: s-maj=10.5km s-min=9.3km az=57.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c143; s131,c306;Duration: 1$\cdot$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52±.02 $M_{\theta\theta}$-0.08±.02; $M_{\phi\phi}$1.59±.02; $M_{r\theta}$0.06±.05; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$0.37±.05; Best double couple: NP1:ϕ_s185.00000°,δ52.00000°,λ-89.00000°. NP2:ϕ_s3.00000°,δ38.00000°,λ-92.00000°. Principal axes: T 1.6420,Plg7.0000° ,Azm274.0000°; N -0.0840,Plg1.0000°,Azm4.0000°; P -1.5650,Plg83.0000°,Azm104.0000° M_o1.60400×10^{17}
MOS Error ellipse: s-maj=6.9km s-min=5.4km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=146.0. Recorded [2 JMA] in Aomori and Miyagi.

(1) Central Alaska

ISC	**X**	**14 11 59 41.4–.96**	**63.49N–.02**	**144.84W–.02**	**10–8**		**123**	**0-9**
PGC	X	14 11 59 42.0–.20	63.47N	144.94W	5	3.2L		**¶601834624**
NEIC	X	14 11 59 41.7–.00	63.46N	144.93W	1	3.3L		

ISC Event type fe.
PGC Event type ke. 203km Ese of Fairbanks, Ak Central Alaska.
NEIC Event type fe. Felt at Delta Junction. After AEIC.

(224) Hokkaido region

ISC	**X**	**14 12 14 41.8–.47**	**42.65N–.03**	**142.61E–.03**	**47–4**	**4.4b**	**289**	**0-150**
NIED	X	14 12 14 00	42.70N	142.60E	32	4.3W		**¶601833203**
BJI	X	14 12 14 39.1	42.70N	142.50E	35	4.9b,4.4b		
ISCJB	X	14 12 14 39.8–.27	42.64N–.02	142.53E–.03	42–2	4.4b,3.8s		
JMA	X	14 12 14 40.5–.10	42.68N	142.65E	31–1	4.2,3.8s		
MOS	X	14 12 14 40.6–1.0	42.70N	142.52E	51	4.6b,3.8s		
NEIC	X	14 12 14 42.6–.43	42.73N	142.45E	50–4	4.4b,3.8s		
IDC	X	14 12 14 42.4–1.6	42.71N	142.56E	56–12	4.2,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s169.00000°,δ51.00000°,λ97.00000°. M_o2.78000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=154.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s157.00000°,δ59.00000°,λ85.00000°. NP2:ϕ_s346.00000°,δ31.00000°,λ98.00000°. Principal axes: T Plg75.0000°,Azm54.0000°; N Plg4.0000°,Azm159.0000°; P Plg14.0000° ,Azm250.0000°
MOS Error ellipse: s-maj=8.6km s-min=5.4km az=75.7.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=145.0. Recorded [2 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=122.0.

(718) Hindu Kush region

ISC	**X**	**14 13 17 27.4–.49**	**36.14N–.03**	**69.22E–.03**	**41–4**	**5.0b,4.2s**	**475**	**2-149**
IDC	X	14 13 17 21.5–.40	36.01N	69.17E	0	4.7,4.6		**¶601833206**
ISCJB	X	14 13 17 25.5–.48	36.16N–.02	69.23E–.02	33–4	4.9b,4.2s		
NNC	X	14 13 17 26.9–2.6	36.46N	69.01E	0	5.0b,4.9		
MOS	X	14 13 17 26.3–1.1	36.21N	69.20E	41	5.0b,4.2s		
NEIC	X	14 13 17 28.6–.51	36.17N	69.22E	50–4	5.1b,4.2s		
BJI	X	14 13 17 30.5	36.27N	69.55E	54	5.0b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=13.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=42.8.
NNC Event type se. Error ellipse: s-maj=20.8km s-min=18.9km az=0.0.
MOS Error ellipse: s-maj=5.5km s-min=4.2km az=92.5.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=196.0. Felt at Aliabad. Also felt at Dushanbe, Tajikistan.

(320) Kyrgyzstan-Xinjiang border region

ISC	**X**	**14 16 30 07.9–1.1**	**40.80N–.02**	**74.07E–.02**	**2–7**	**4.0b,3.4s**	**237**	**1-85**
BJI	X	14 16 30 06.7	40.93N	73.91E	6	4.6b,4.4L		**¶601833396**
KRNET	X	14 16 30 07.8–.10	40.85N	74.11E	15	4.8b,4.4L		
NNC	X	14 16 30 07.7–.98	40.79N	74.13E	0	4.8b,4.5		
IDC	X	14 16 30 07.5–.76	40.74N	74.13E	0	4.0,3.8		
SOME	X	14 16 30 08.5	40.88N	74.17E	0	4.0,3.8		
NEIC	X	14 16 30 09.4–3.9	40.78N	74.06E	11–24	4.3b,3.8		
KNET	X	14 16 30 09.4–.49	40.99N	74.19E	0	4.2L,3.8		
MOS	X	14 16 30 09.6–1.0	40.78N	74.09E	26	4.3b,3.8		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=4.8km az=108.0.
IDC Error ellipse: s-maj=13.0km s-min=11.8km az=170.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.0km az=185.0.
KNET Error ellipse: s-maj=2.7km s-min=2.5km az=152.0.
MOS Event type fe. Error ellipse: s-maj=8.2km s-min=5.8km az=79.0. Felt (IV) at Sary-Bulak. Moment Tensor Solution.

(34) Off coast of northern California

ISC	**X**	**14 16 53 06.3–1.8**	**40.64N–.05**	**125.15W–.07**	**14–10**		**110**	**1-81**
IDC	X	14 16 53 05.9–1.6	40.70N	125.00W	0	3.8,3.6b		**¶601843586**
NEIC	X	14 16 53 07.4–.00	40.65N	125.27W	23	4.0W,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=14.1km az=62.0.
NEIC Event type fe. Felt at Arcata. After NCEDC. Moment Tensor Solution. M_o1.30000×10^{15}

(218) Near east coast of Kamchatka Peninsula

ISC	**X**	**14 19 36 51.6–.40**	**55.62N–.03**	**162.07E–.03**	**74–3**	**4.7b**	**451**	**1-143**
KRSC	X	14 19 36 49.0–.48	55.58N	162.21E	83–10	5.3L		**¶601833400**
BJI	X	14 19 36 50.2	55.60N	161.80E	83	4.9b,4.7b		
MOS	X	14 19 36 50.7–.75	55.65N	161.96E	82	4.7b,4.7b		
IDC	X	14 19 36 51.5–.46	55.70N	161.84E	69–4	4.4,4.3		
GCMT	X	14 19 36 51.9–.40	55.53N–.03	162.40E–.05	79–4	4.8W,4.3		
ISCJB	X	14 19 36 51.1–.20	55.66N–.02	161.91E–.03	85–2	4.6b,4.3		
NEIC	X	14 19 36 52.9–.68	55.70N	161.82E	85–7	4.8b,4.3		

ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.1km s-min=3.6km az=82.4. Felt (II) at Klyuchi. Moment Tensor Solution.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=136.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s77,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.36±.11 $M_{\theta\theta}$-1.75±.11; $M_{\phi\phi}$0.38±.10; $M_{r\theta}$1.14±.08; $M_{\theta\phi}$-0.74±.10; $M_{\phi r}$-0.04±.06; Best double couple: NP1:ϕ_s88.00000°,δ63.00000°,λ108.00000°. NP2:ϕ_s232.00000°,δ32.00000°,λ59.00000°. Principal axes: T 1.7880,Plg67.0000° ,Azm31.0000°; N 0.5080,Plg16.0000°,Azm260.0000°; P -2.3030,Plg17.0000°,Azm165.0000° M_o2.04600×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=38.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.4km az=156.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**14 21 23 58.6–1.9**	**38.74N–.06**	**142.29E–.08**	**32–12**	**3.6b**	**28**	**1-63**
NIED	X	14 21 23 00	38.70N	142.30E	44	3.9W		**¶601998260**
ISCJB	X	14 21 23 57.4–1.0	38.73N–.04	142.35E–.09	44–11	3.6b		
JMA	X	14 21 23 58.5–.10	38.71N	142.26E	39–1	3.9		
IDC	X	14 21 23 59.7–2.0	38.73N	142.37E	49–20	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s155.00000°,δ19.00000°,λ19.00000°. NP2:ϕ_s47.00000°,δ84.00000°,λ108.00000°. $M_0$8.51000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=6.1km az=19.3.
JMA Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=11.1km az=111.0.

(224) Hokkaido region

ISC	**X**	**14 21 28 24.8–.86**	**41.47N–.04**	**142.06E–.04**	**61–8**	**3.5b**	**44**	**1-76**
NIED	X	14 21 28 00	41.50N	142.00E	59	3.8W		**¶601998261**
ISCJB	X	14 21 28 23.7–.40	41.47N–.03	142.05E–.05	67–4	3.5b		
JMA	X	14 21 28 24.1–.10	41.48N	142.05E	63–2	3.7		
IDC	X	14 21 28 25.9–2.0	41.49N	142.01E	73–16	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ23.00000°,λ82.00000°. NP2:ϕ_s56.00000°,δ67.00000°,λ93.00000°. $M_0$4.78000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=31.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s47.00000°,δ86.00000°,λ90.00000°. NP2: ϕ_s220.00000°,δ4.00000°,λ83.00000°. Principal axes: T Plg49.0000°,Azm318.0000° ; N Plg0.0000°,Azm47.0000°; P Plg41.0000°,Azm137.0000°
IDC Error ellipse: s-maj=19.3km s-min=14.0km az=126.0.

(76) Off coast of central America

ISC	**X**	**14 22 40 53.6–1.1**	**12.63N–.06**	**88.96W–.05**	**45–10**	**4.5b,3.7s**	**351**	**1-148**
UCR	X	14 22 40 46.8–1.7	12.36N	89.12W	14–8	4.5b,4.2L		**¶601834416**
ISCJB	X	14 22 40 51.3–.51	12.59N–.04	88.98W–.03	39–3	4.5b,3.7s		
IDC	X	14 22 40 53.8–2.2	12.82N	88.77W	41–19	4.2,4.2		
NEIC	X	14 22 40 55.3–2.5	12.77N	88.84W	52–6	4.5b,4.4		

ISC Event type fe.
UCR Error ellipse: s-maj=7.7km s-min=5.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=28.1.
IDC Error ellipse: s-maj=31.6km s-min=14.0km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=8.4km az=219.0. Felt [II] at Zacatecoluca.

(318) Yunnan

ISC	**X**	**14 23 07 59.7–.30**	**25.23N–.03**	**101.87E–.03**	**10**	**4.7b,3.6s**	**255**	**1-150**
ISCJB	X	14 23 07 57.7–.16	25.18N–.02	101.84E–.02	10	4.5b,3.6s		**¶601834065**
BJI	X	14 23 07 59.4	25.15N	101.90E	10	4.7b,4.6b		
NEIC	X	14 23 07 59.4–.14	25.20N	101.92E	10	4.7b,4.4L		
MOS	X	14 23 08 00.9–.93	25.10N	101.84E	35	4.8b,4.4L		
IDC	X	14 23 08 02.6–2.8	25.13N	101.83E	33–21	4.3,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=24.2.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=56.0. Felt [II] at Kunming. Also felt at Chuxiong and Dali.
MOS Error ellipse: s-maj=8.8km s-min=5.7km az=119.8.
IDC Error ellipse: s-maj=13.9km s-min=10.7km az=56.0.

(159) North Island

ISC	**X**	**15 00 05 39.1–.34**	**38.38S–.03**	**175.95E–.03**	**178–2**	**5.0b**	**421**	**0-179**
NEIC	X	15 00 05 36.1–.00	38.31S	175.99E	195	4.9b		**¶601834066**
ISCJB	X	15 00 05 37.9–.13	38.36S–.02	175.93E–.03	173–1	4.9b		
WEL	X	15 00 05 38.7	38S–1.0	176E–1.0	170–2	4.9b		
IDC	X	15 00 05 38.7–.43	38.05S	176.15E	174–3	5.0,4.6		
GCMT	X	15 00 05 41.1–.40	38.29S–.03	175.90E–.04	174–4	5.0W,4.6		

ISC Event type fe.
NEIC Event type fe. Felt at Wellington. After WEL.
ISCJB Event type fe.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c24; s65,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.15 $M_{\theta\theta}$-1.22±.23; $M_{\phi\phi}$-1.07±.18; $M_{r\theta}$2.07±.14; $M_{\theta\phi}$-2.26±.20; $M_{\phi r}$-0.17±.12; Best double couple: NP1:ϕ_s74.00000°,δ65.00000°,λ124.00000°. NP2:ϕ_s196.00000°,δ41.00000°,λ40.00000°. Principal axes: T 3.5570,Plg56.0000° ,Azm29.0000°; N 0.1900,Plg30.0000°,Azm239.0000°; P -3.7460,Plg14.0000°,Azm140.0000° $M_0$3.65100×10^{16}

(219) Off east coast of Kamchatka Peninsula

ISC	**X**	**15 01 19 05.7–.49**	**51.86N–.03**	**159.56E–.02**	**46–3**	**5.5s,5.4b**	**1479**	**1-160**
KRSC	X	15 01 18 58.8–1.5	51.54N	160.07E	46–16	6.0L,5.4b		**¶601834067**
BJI	X	15 01 18 58.6	52.03N	159.52E	14	5.9s,5.8		
NEIC	X	15 01 19 03.0–.00	51.91N	159.45E	21	5.9s,5.8		
NEIC	X	15 01 19 03.2–.14	51.90N	159.38E	21	5.6W,5.6W		
ISCJB	X	15 01 19 04.8–.31	51.81N–.02	159.51E–.02	50–2	5.5s,5.3b		
MOS	X	15 01 19 04.6–1.1	51.82N	159.49E	52	5.7s,5.6b		
IDC	X	15 01 19 06.4–2.0	51.83N	159.48E	55–17	5.4,5.4s		
GCMT	X	15 01 19 07.2–.10	51.70N–.01	159.89E–.01	24–0	5.6W,5.4s		
PDG	X	15 01 19 07.7	52.09N	159.17E	40	5.5b,5.4s		

ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-0.99 $M_{r\theta}$1.23 $M_{\theta\phi}$-0.35 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s30.00000° ,δ75.00000°,λ89.00000°. NP2:ϕ_s216.00000°,δ15.00000°,λ95.00000°. Principal axes: T 3.1700,Plg60.0000°,Azm298.0000°; N -0.5100,Plg1.0000°,Azm30.0000° ; P -2.6600,Plg29.0000°,Azm121.0000° $M_0$2.90000×10^{17}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.7km az=167.0. Moment Tensor Solution. s84 Moment tensor: Scale 10^{17}Nm; M_{rr}2.33 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.98 Best double couple: NP1:ϕ_s226.00000°,δ21.00000°,λ97.00000°. NP2:ϕ_s38.00000° ,δ69.00000°,λ87.00000°. Principal axes: T 3.4400,Plg66.0000°,Azm304.0000° ; N -0.3000,Plg3.0000°,Azm39.0000°; P -3.1400,Plg24.0000°,Azm131.0000° $M_0$3.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.0km az=163.2.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=2.7km az=92.2. Felt (III) at Petropavlovsk-Kamchatskiy, (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=11.1km s-min=8.4km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c226; s133,c337; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$-0.88±.03; $M_{\phi\phi}$-2.00±.03; $M_{r\theta}$1.24±.05; $M_{\theta\phi}$-1.37±.02; $M_{\phi r}$1.23±.04; Best double couple: NP1:ϕ_s40.00000°,δ61.00000° ,λ96.00000°. NP2:ϕ_s208.00000°,δ30.00000°,λ80.00000°. Principal axes: T 3.3810,Plg74.0000°,Azm325.0000°; N 0.0100,Plg5.0000°,Azm217.0000° ; P -3.3900,Plg15.0000°,Azm125.0000° $M_0$3.38600×10^{17}
PDG Event type ke.

(88) Dominican Republic region

ISC	**X**	**15 02 46 40.7–.93**	**19.19N–.05**	**69.07W–.04**	**65–10**	**4.4b**	**85**	**1-68**
NEIC	X	15 02 46 40.6–.43	19.31N	69.13W	75–5	4.5b		**¶601834068**
ISCJB	X	15 02 46 41.1–.37	19.08N–.04	69.09W–.02	81–4	4.2b		
IDC	X	15 02 46 42.7–2.1	19.12N	69.07W	88–22	4.0,3.9		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.2km az=190.0. Felt [III] at Santo Domingo and [II] at Fantino and Samana. Also felt at La Romana, Las Terrenas and Otra Banda.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=7.4.
IDC Error ellipse: s-maj=21.7km s-min=13.2km az=54.0.

(227) Eastern Honshu

ISC	**X**	**15 11 59 25.5–.89**	**39.63N–.04**	**141.98E–.08**	**66–6**	**3.5b**	**30**	**0-76**
IDC	X	15 11 59 20.8–1.1	38.76N	144.03E	0	4.0,3.8		**¶601998324**
ISCJB	X	15 11 59 24.9–.55	39.66N–.03	141.94E–.08	70–4	3.5b,3.8		
JMA	X	15 11 59 25.7	39.67N	141.93E	65–1	3.8,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=19.8km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.7km az=2.4.
JMA Event type fe.

(70) Guatemala

NEIC	**X**	**15 15 28 20.0–.00**	**14.44N**	**89.15W**	**4**	**3.7**		**¶601998349**

NEIC Event type fe. Felt [II] at Las Pilas, El Salvador. After SNET.

(259) Mindanao

ISC	**X**	**15 15 55 02.0–.51**	**5.93N–.04**	**125.39E–.05**	**80–4**	**4.0b**	**92**	**0-96**
ISCJB	X	15 15 55 00.4–.27	6.00N–.02	125.44E–.04	81–3	4.0b		**¶601834640**
MAN	X	15 15 55 01.0	5.94N	125.23E	75	5.0b,4.0s		
DJA	X	15 15 55 01.8–1.2	6N–9.0	125E–6.0	92–31	5.2b,5.1		
NEIC	X	15 15 55 02.3–.45	6.04N	125.50E	83–5	4.3b,5.1		
IDC	X	15 15 55 02.7–.68	5.94N	125.39E	88–5	4.1,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.8km az=171.8.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.6km az=79.0. Felt [II PIVS] at General Santos.
IDC Error ellipse: s-maj=20.7km s-min=8.1km az=87.0.

(229) Off east coast of Honshu

ISC	**X**	**15 16 48 11.7–.63**	**37.68N–.05**	**142.59E–.07**	**21**	**4.2b**	**75**	**1-83**
NIED	X	15 16 48 00	37.60N	142.70E	11	4.0W		**¶606045708**
IDC	X	15 16 48 08.6–.74	37.64N	142.66E	0	4.2,4.1		
ISCJB	X	15 16 48 09.6–.40	37.69N–.04	142.66E–.05	21	4.1b,3.6s		
JMA	X	15 16 48 10.9–.30	37.66N	142.45E	19–4	4.3,3.6s		
NEIC	X	15 16 48 11.9–1.7	37.66N	142.67E	24–11	4.6b,3.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ18.00000°,λ-47.00000°. NP2:ϕ_s50.00000°,δ77.00000°,λ-102.00000°. $M_0$1.04000×10^{15}
IDC Error ellipse: s-maj=19.8km s-min=14.9km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.8km az=43.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.2km az=102.0. Recorded [1 JMA] in Miyagi.

(70) Guatemala

ISC	**X**	**15 17 52 19.6–.27**	**14.09N–.04**	**91.14W–.04**	**76–2**	**5.3b**	**1267**	**1-156**
UCR	X	15 17 52 19.5–1.7	13.95N	91.27W	23–13	5.4b,5.2L		**¶601834646**
IDC	X	15 17 52 19.4–.40	14.18N	90.89W	76–3	4.8,4.6		
ISCJB	X	15 17 52 19.7–.13	14.17N–.02	91.08W–.01	81	5.2b,4.6		
BJI	X	15 17 52 20.7	14.20N	91.00W	85	5.6s,5.4		
GCMT	X	15 17 52 20.0–.10	14.08N–.01	91.32W–.01	78–1	5.5W,5.4		
MOS	X	15 17 52 20.6–1.1	14.13N	90.95W	94	5.4b,4.9s		
NEIC	X	15 17 52 21.0–.20	14.06N	91.01W	82	5.6,5.5W		

ISC Event type fe.
UCR Error ellipse: s-maj=10.5km s-min=9.7km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=8.4km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=38.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c193; s125,c226;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.03 $M_{\theta\theta}$-0.36±.04; $M_{\phi\phi}$0.32±.04; $M_{r\theta}$1.92±.02; $M_{\theta\phi}$-0.58±.03; $M_{\phi r}$-1.56±.03; Best double couple: NP1:ϕ_s306.00000°,δ88.00000° ,λ-101.00000°. NP2:ϕ_s206.00000°,δ11.00000°,λ-11.00000°. Principal axes: T 2.7740,Plg42.0000°,Azm47.0000°; N -0.4930,Plg11.0000°,Azm307.0000° ; P -2.2810,Plg46.0000°,Azm205.0000° $M_0$2.52700×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=4.2km az=111.4.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=215.0. Felt [V] at Antigua Guatemala and Villa Nueva; [IV] at Guatemala, La Democracia, Mixco, San Bartolome Milpas Altas and Santa Catarina Pinula; [III] at Cahabon. Felt throughout southern Guatemala. Felt [IV] at San Salvador, El Salvador. Also felt at Concepcion de Ataco, Nueva San Salvador, Opico and Santiago Nonualco. Felt at Tapachula and Tuxtla Gutierrez, Mexico. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.27 $M_{r\theta}$1.83 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.21 Best double couple: NP1:ϕ_s124.00000°,δ86.00000° ,λ98.00000°. NP2:ϕ_s241.00000°,δ9.00000°,λ28.00000°. Principal axes: T 2.1600,Plg49.0000°,Azm42.0000°; N 0.1700,Plg8.0000°,Azm303.0000° ; P -2.3300,Plg40.0000°,Azm206.0000° $M_0$2.30000×10^{17}

(135) Near coast of central Chile

ISC	**X**	**15 21 04 18.7–.68**	**31.72S–.02**	**71.99W–.04**	**14–3**	**5.2b,4.7s**	**704**	**1-176**
SJA	X	15 21 04 12.0–.48	31.90S	72.70W	17–5	5.5L,5.0W		**¶601835751**
ISCJB	X	15 21 04 16.9–.12	31.77S–.02	72.18W–.03	10	5.1b,4.6s		
IDC	X	15 21 04 16.6–.44	31.80S	71.89W	0	5.0,4.9		
GUC	X	15 21 04 18.5–.63	31.82S	72.17W	39–3	5.2L,4.9		
NEIC	X	15 21 04 20.6–1.3	31.81S	71.79W	24–9	5.2L,5.2b		
GCMT	X	15 21 04 21.6–.20	31.81S–.02	72.29W–.02	22–0	5.1W,5.2b		
MOS	X	15 21 04 21.0–1.2	31.73S	71.82W	33	5.3b,5.2b		
BJI	X	15 21 04 22.0	31.80S	72.20W	29	5.5s,5.3		

ISC Event type fe.
SJA Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.3km az=143.7.
IDC Error ellipse: s-maj=19.1km s-min=13.2km az=88.0.
GUC Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.5km az=84.0. Felt [IV] at Salamanca and [II] at Coquimbo, La Serena, Quillota and Villa Alemana. Also felt at Lo Barnechea, Los Vilos and Quilpue. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.91 $M_{r\theta}$-0.29 $M_{\theta\phi}$1.00 $M_{\phi r}$-3.17 Best double couple: NP1:ϕ_s176.00000° ,δ72.00000°,λ105.00000°. NP2:ϕ_s316.00000°,δ23.00000°,λ52.00000°. Principal axes: T 4.2600,Plg60.0000°,Azm108.0000°; N -0.5100,Plg14.0000°,Azm352.0000° ; P -3.7500,Plg26.0000°,Azm255.0000° $M_0$4.00000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c60; s80,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.12±.18 $M_{\theta\theta}$-0.17±.11; $M_{\phi\phi}$-4.95±.14; $M_{r\theta}$-0.54±.18; $M_{\theta\phi}$0.43±.08; $M_{\phi r}$-3.47±.21; Best double couple: NP1:ϕ_s183.00000°,δ62.00000°,λ97.00000°. NP2:ϕ_s348.00000°,δ28.00000°,λ77.00000°. Principal axes: T 6.2640,Plg72.0000° ,Azm108.0000°; N -0.2230,Plg6.0000°,Azm359.0000°; P -6.0410,Plg17.0000° ,Azm267.0000° $M_0$6.15300×10^{16}
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=102.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**15 21 47 47.4–.36**	**36.66N–.04**	**141.89E–.04**	**19**	**4.8b**	**413**	**1-147**
NIED	X	15 21 47 00	36.70N	141.90E	23	4.5W		**¶606045816**
ISCJB	X	15 21 47 47.2–.17	36.73N–.03	141.78E–.02	19	4.7b,3.8s		
JMA	X	15 21 47 48.2–.30	36.72N	141.87E	45–5	4.5,3.8s		
MOS	X	15 21 47 50.5–.94	37.04N	141.67E	36	5.0b,3.8s		
IDC	X	15 21 47 50.1–2.2	36.68N	141.79E	37–18	4.5,4.4		
NEIC	X	15 21 47 51.1–.50	36.69N	141.71E	38–4	4.8b,4.4		
BJI	X	15 21 47 52.9	36.81N	141.57E	65	4.9b,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ36.00000°,λ-134.00000°. NP2:ϕ_s62.00000°,δ65.00000°,λ-63.00000°. $M_0$5.35000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=172.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=116.4.
IDC Error ellipse: s-maj=13.4km s-min=11.8km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.7km az=165.0. Recorded [2 JMA] in Fukushima.

(219) Off east coast of Kamchatka Peninsula

ISC	**X**	**15 22 45 01.9–.55**	**51.83N–.04**	**159.68E–.03**	**32–3**	**5.0b,4.9s**	**1096**	**1-148**
KRSC	X	15 22 44 58.2–1.7	51.64N	159.95E	46–21	5.6L,4.9s		**¶601835756**
IDC	X	15 22 44 59.1–2.7	51.84N	159.52E	12–16	4.9,4.9		
MOS	X	15 22 45 01.9–1.1	51.75N	159.59E	46	5.3b,5.0s		
ISCJB	X	15 22 45 01.8–.38	51.73N–.02	159.69E–.02	46–2	5.0b,4.8s		
NEIC	X	15 22 45 02.7–.13	51.81N	159.52E	35	5.1b,4.8s		
BJI	X	15 22 45 03.3	52.17N	159.06E	46	5.2s,5.1b		
GCMT	X	15 22 45 04.7–.30	51.79N–.02	159.88E–.03	28–0	5.0W,5.1b		

ISC Event type se.
KRSC Event type se.
MOS Event type fe. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c52; s85,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.18 $M_{\theta\theta}$-0.22±.11; $M_{\phi\phi}$-2.72±.12; $M_{r\theta}$2.93±.23; $M_{\theta\phi}$-2.03±.07; $M_{\phi r}$1.28±.18; Best double couple: NP1:ϕ_s54.00000°,δ68.00000°,λ114.00000°. NP2:ϕ_s184.00000°,δ32.00000°,λ44.00000°. Principal axes: T 4.6960,Plg59.0000° ,Azm359.0000°; N 0.0830,Plg22.0000°,Azm225.0000°; P -4.7730,Plg20.0000° ,Azm126.0000° $M_0$4.73400×10^{16}

(211) Southeast of Honshu

ISC	**X**	**16 02 03 27.8–.28**	**31.34N–.03**	**140.33E–.03**	**97–2**	**5.3b**	**1399**	**1-164**
NIED	X	16 02 03 00	31.50N	140.60E	68	4.9W		**¶601837389**
MOS	X	16 02 03 26.6–1.0	31.38N	140.16E	93	5.2b		
BJI	X	16 02 03 27.3	31.30N	140.30E	93	4.9b,4.9b		
GCMT	X	16 02 03 27.8–.20	31.24N–.02	140.41E–.02	99–2	5.0W,4.9b		
IDC	X	16 02 03 27.2–.40	31.26N	140.18E	89–3	5.1,4.9		
ISCJB	X	16 02 03 27.2–.31	31.28N–.02	140.26E–.02	99–2	5.2b,4.9		
JMA	X	16 02 03 28.5–.20	31.49N	140.61E	87–3	5.0,4.9		
NEIC	X	16 02 03 28.8–.41	31.28N	140.22E	101–3	5.4b,4.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s331.00000°,δ28.00000°,λ-102.00000°. NP2:ϕ_s165.00000°,δ63.00000°,λ-84.00000°. $M_0$2.55000×10^{16}

MOS Error ellipse: s-maj=6.6km s-min=3.9km az=101.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c67; s96,c146;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.14 $M_{\theta\theta}$0.97±.14; $M_{\phi\phi}$1.12±.16; $M_{r\theta}$-0.25±.08; $M_{\theta\phi}$0.95±.15; $M_{\phi r}$3.56±.08; Best double couple: NP1:ϕ_s185.00000°,δ77.00000°,λ-105.00000°. NP2:ϕ_s54.00000°,δ20.00000°,λ-42.00000°. Principal axes: T 3.5920,Plg30.0000° ,Azm287.0000°; N 0.8970,Plg14.0000°,Azm188.0000°; P -4.4880,Plg56.0000°,Azm76.0000° M_o4.04000×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=5.5km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=155.5.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=128.0. Felt at Tokyo, Honshu.

(227) Eastern Honshu

JMA	**X**	**16 08 48 58.9**	**35.15N**	**137.98E**	**15–1**	**3.5**		
NIED	X	16 08 48 00	35.20N	138.00E	20	3.2W	**¶603690391**	

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s63.00000°,δ66.00000°,λ-147.00000°. NP2:ϕ_s318.00000°,δ60.00000°,λ-28.00000°. Principal axes: T Plg4.0000°,Azm189.0000°; N Plg50.0000°,Azm94.0000°; P Plg40.0000° ,Azm282.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ81.00000°,λ175.00000°. NP2:ϕ_s341.00000°,δ85.00000°,λ9.00000°. M_o8.03000×10^{13}

(221) Kuril Islands

ISC	**X**	**16 12 41 24.9–.29**	**49.57N–.03**	**156.52E–.03**	**76–2**	**6.1b**	**2446**	**1-158**
BJI	X	16 12 41 20.8	49.51N	156.52E	63	6.0b,5.7b	**¶601836659**	
KRSC	X	16 12 41 21.6–1.6	49.52N	156.67E	93–28	6.3L,5.7b		
ISCJB	X	16 12 41 23.2–.28	49.58N–.01	156.49E–.02	73–2	6.0b,5.7b		
NEIC	X	16 12 41 24.0–.00	49.60N	156.46E	80	6.0b,5.7b		
IDC	X	16 12 41 25.1–1.4	49.59N	156.43E	77–11	5.9,5.6		
MOS	X	16 12 41 25.0–.94	49.69N	156.45E	92	6.2b,5.6		
GCMT	X	16 12 41 25.8–.10	49.57N–.01	156.74E–.01	81–0	5.6W,5.6		
NEIC	X	16 12 41 25.8–.38	49.62N	156.44E	81–3	6.2b,5.6W		

ISC Event type se.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.5km az=161.9.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.74 $M_{\phi\phi}$0.47 $M_{r\theta}$0.26 $M_{\theta\phi}$1.31 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s196.00000° ,δ76.00000°,λ-116.00000°. NP2:ϕ_s79.00000°,δ30.00000°,λ-29.00000°. Principal axes: T 2.7500,Plg25.0000°,Azm306.0000°; N 0.0600,Plg25.0000°,Azm202.0000° ; P -2.8000,Plg52.0000°,Azm74.0000° M_o2.80000×10^{17}
IDC Error ellipse: s-maj=9.1km s-min=7.0km az=121.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.0km az=78.3. Fault plane solution: P-wave C86, D226 . Felt (V) at Severo-Kuril'sk. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s209.00000°,δ84.00000°,λ-108.00000°. NP2: ϕ_s101.00000°,δ19.00000°,λ-19.00000°. Principal axes: T Plg36.0000°,Azm315.0000° ; N Plg18.0000°,Azm211.0000°; P Plg48.0000°,Azm100.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c222; s139,c333;
Duration: 1ᵻ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33±.03 $M_{\theta\theta}$0.80±.03; $M_{\phi\phi}$0.53±.03; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$1.59±.03; $M_{\phi r}$2.13±.02; Best double couple: NP1:ϕ_s197.00000°,δ74.00000° ,λ-119.00000°. NP2:ϕ_s80.00000°,δ33.00000°,λ-31.00000°. Principal axes: T 3.0080,Plg23.0000°,Azm309.0000°; N -0.1790,Plg28.0000°,Azm206.0000° ; P -2.8280,Plg52.0000°,Azm73.0000° M_o2.91800×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.5km az=158.0. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.62 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.75 $M_{r\theta}$0.41 $M_{\theta\phi}$0.78 $M_{\phi r}$2.41
Best double couple: NP1:ϕ_s63.00000°,δ21.00000°,λ-47.00000°. NP2:ϕ_s198.00000° ,δ75.00000°,λ-105.00000°. Principal axes: T 2.6800,Plg28.0000°,Azm300.0000° ; N 0.4400,Plg14.0000°,Azm202.0000°; P -3.1200,Plg58.0000°,Azm88.0000° M_o2.90000×10^{17}

(235) Kyushu

ISC	**X**	**16 13 39 25.9–.26**	**31.22N–.03**	**130.33E–.03**	**173–2**	**5.1b**	**1020**	**0-164**
NIED	X	16 13 39 00	31.20N	130.30E	170	5.2W	**¶601836661**	
BJI	X	16 13 39 21.8	31.05N	130.59E	168	5.2b,4.9b		
ISCJB	X	16 13 39 24.7–.15	31.19N–.02	130.26E–.02	173–1	5.1b,4.9b		
MOS	X	16 13 39 25.4–.91	31.24N	130.25E	180	5.2b,4.9b		
NEIC	X	16 13 39 25.6–.10	31.22N	130.20E	169	5.3b,4.9b		
IDC	X	16 13 39 26.1–.35	31.26N	130.29E	173–2	5.1,4.7		
JMA	X	16 13 39 26.1–.10	31.20N	130.33E	166–1	5.0,4.7		
GCMT	X	16 13 39 27.6–.20	31.27N–.02	130.29E–.01	182–1	5.2W,4.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ20.00000°,λ99.00000°. NP2:ϕ_s8.00000°,δ70.00000°,λ87.00000°. M_o6.03000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Kagoshima and Miyazaki.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s358.00000°,δ71.00000°,λ63.00000°. NP2:ϕ_s235.00000°,δ33.00000°,λ142.00000°. Principal axes: T Plg56.0000°,Azm233.0000°; N Plg25.0000°,Azm8.0000°; P Plg21.0000° ,Azm108.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c72; s108,c180;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.25±.17 $M_{\theta\theta}$-0.80±.17; $M_{\phi\phi}$-3.45±.19; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$-1.20±.17; $M_{\phi r}$6.15±.15; Best double couple: NP1:ϕ_s5.00000°,δ74.00000°,λ82.00000°. NP2:ϕ_s212.00000°,δ18.00000°,λ116.00000°. Principal axes: T 7.6880,Plg61.0000° ,Azm263.0000°; N -0.6430,Plg8.0000°,Azm7.0000°; P -7.0440,Plg28.0000°,Azm101.0000° M_o7.36600×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**16 14 15 45.9–1.9**	**36.82N–.04**	**140.64E–.06**	**17–14**		**19**	**0-60**
ISCJB	X	16 14 15 46.4–.76	36.78N–.03	140.68E–.07	19–6	3.4b	**¶601998540**	
JMA	X	16 14 15 47.6	36.81N	140.54E	6–1	3.2		
IDC	X	16 14 15 48.3–2.1	36.25N	140.44E	0	3.5,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.2km az=11.1.
JMA Event type fe.
IDC Error ellipse: s-maj=31.8km s-min=16.8km az=30.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**16 16 47 36.3–1.2**	**40.37N–.04**	**142.05E–.08**	**52–9**	**3.4b**	**24**	**0-60**
NIED	X	16 16 47 00	40.40N	142.10E	35	3.5W	**¶601998560**	
ISCJB	X	16 16 47 35.5–.81	40.38N–.04	142.07E–.10	58–6	3.4b		
JMA	X	16 16 47 36.4–.10	40.36N	142.08E	51–1	3.6		
IDC	X	16 16 47 36.8–2.4	40.37N	142.30E	72–23	3.5,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ30.00000°,λ50.00000°. NP2:ϕ_s45.00000°,δ67.00000°,λ111.00000°. M_o1.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=6.3km az=3.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=16.6km az=97.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**16 18 56 41.6–1.4**	**35.83N–.05**	**141.01E–.08**	**14–7**		**21**	**0-60**
IDC	X	16 18 56 40.4–1.9	35.70N	140.87E	0	3.5,3.4	**¶601998570**	
ISCJB	X	16 18 56 41.9–.90	35.82N–.04	141.02E–.07	28–5	3.4b,3.4		
JMA	X	16 18 56 42.6–.20	35.78N	140.94E	15–1	3.5,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=25.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.5km az=172.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(227) Eastern Honshu

ISC	**X**	**16 19 35 43.1–.93**	**37.04N–.04**	**140.69E–.04**	**10–7**		**23**	**0-61**
ISCJB	X	16 19 35 43.4–.53	37.06N–.03	140.71E–.05	10–3	3.8b,3.3s	**¶601998573**	
JMA	X	16 19 35 43.9	37.07N	140.68E	7–1	3.2,3.3s		
IDC	X	16 19 35 45.8–2.8	36.44N	140.61E	0	3.9,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.4km az=16.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s206.00000°,δ51.00000°,λ-97.00000°. NP2:ϕ_s37.00000°,δ39.00000°,λ-82.00000°. Principal axes: T Plg6.0000°,Azm301.0000°; N Plg5.0000°,Azm210.0000°; P Plg82.0000° ,Azm81.0000°
IDC Error ellipse: s-maj=51.3km s-min=16.2km az=20.0.

(475) Maine

ISC	**X**	**16 23 12 23.5–.32**	**43.59N–.02**	**70.65W–.02**	**10**	**4.5b**	**647**	**1-152**
ISCJB	X	16 23 12 21.6–.17	43.61N–.01	70.86W–.02	10	4.4b	**¶601837346**	
OTT	X	16 23 12 23.0–.26	43.59N	70.68W	7	4.0W		
IDC	X	16 23 12 22.9–.45	43.72N	70.68W	0	4.5,4.3		
NEIC	X	16 23 12 23.8–.00	43.60N	70.65W	4	4.5,4.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=31.3.
OTT Event type fe. 189km southeast from Coaticook, Qc Felt strongly in Maine and New Hampshire area. Felt thoughout much of Connecticute New Jersy, New York, Rhode Island and Vermont. Felt in southern Quebec Northern Appalachians Seismic Zone.
IDC Error ellipse: s-maj=11.4km s-min=9.2km az=126.0.
NEIC Event type fe. Felt [VI] at East Waterboro and [V] at Alfred, Cornish, Hollis Center, Limerick, North Waterboro, Shapleigh, West Newfield and Livermore Falls. Felt [V] at East Wakefield, Freedom and Milton Mills, New Hampshire and at North Hartland, Vermont. Felt strongly in parts of Maine, Massachusetts and New Hampshire. Felt in much of New England and in parts of New Jersey and New York. Also felt in southern Quebec, Canada. After WES.
Moment Tensor Solution. s52 Moment tensor: Scale 10^{15}Nm; M_{rr}1.29 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.30 $M_{\theta\phi}$0.33 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_s170.00000°,δ33.00000°,λ100.00000°. NP2:ϕ_s338.00000°,δ57.00000°,λ84.00000°. Principal axes: T 1.4300,Plg77.0000° ,Azm228.0000°; N -0.0400,Plg5.0000°,Azm341.0000°; P -1.3900,Plg12.0000°,Azm73.0000° M_o1.40000×10^{15}

(159) North Island

ISC	**X**	**16 23 42 56.4–.37**	**38.74S–.03**	**176.09E–.03**	**119–2**	**5.3b**	**861**	**0-179**
NEIC	X	16 23 42 54.0–.00	38.64S	176.12E	120	5.3b	**¶606594746**	
NEIC	X	16 23 42 55.7–.00	38.64S	176.17E	110	5.7W,5.6W		
ISCJB	X	16 23 42 55.5–.11	38.69S–.02	176.10E–.02	112–1	5.4b,5.6W		
WEL	X	16 23 42 56.0	38.6S–.90	176E–1.0	108–2	5.4b,5.6W		
GCMT	X	16 23 42 58.7–.10	38.64S–.01	176.12E–.01	119–0	5.7W,5.6W		
IDC	X	16 23 43 01.4–1.1	38.45S	176.11E	159–9	5.3,5.0		
MOS	X	16 23 43 01.7–1.1	38.61S	175.90E	170	5.4b,5.0		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-1.18 $M_{r\theta}$2.15 $M_{\theta\phi}$-0.11 $M_{\phi r}$-2.66 Best double couple: NP1:ϕ_s140.00000° ,δ90.00000°,λ71.00000°. NP2:ϕ_s49.00000°,δ19.00000°,λ179.00000°. Principal axes: T 3.5600,Plg42.0000°,Azm32.0000°; N 0.1200,Plg19.0000°,Azm140.0000° ; P -3.6700,Plg41.0000°,Azm248.0000° M_o3.60000×10^{17}
NEIC Event type fe. Felt [VI] at Taupo and [III] at Tauranga and Wellington. Also felt at Gisborne, Levin, Lower Hutt, Nelson, New Plymouth, Picton, Rotorua, Te Kuiti and Upper Hutt. After WEL. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-1.00 $M_{r\theta}$2.84 $M_{\theta\phi}$-0.16 $M_{\phi r}$-2.71 Best double couple: NP1:ϕ_s136.00000°,δ88.00000° ,λ79.00000°. NP2:ϕ_s34.00000°,δ11.00000°,λ168.00000°. Principal axes: T 4.2100,Plg46.0000°,Azm35.0000°; N -0.4100,Plg11.0000°,Azm136.0000° ; P -3.8000,Plg42.0000°,Azm236.0000° M_o4.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=42.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c241; s137,c319;
Duration: 1ᵻ7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.04 $M_{\theta\theta}$1.00±.06; $M_{\phi\phi}$-1.41±.05; $M_{r\theta}$2.91±.03; $M_{\theta\phi}$0.31±.05; $M_{\phi r}$-2.77±.03; Best double couple: NP1:ϕ_s134.00000°,δ87.00000° ,λ73.00000°. NP2:ϕ_s34.00000°,δ17.00000°,λ169.00000°. Principal axes: T 4.1810,Plg46.0000°,Azm27.0000°; N 0.0790,Plg17.0000°,Azm135.0000° ; P -4.2600,Plg40.0000°,Azm239.0000° M_o4.22100×10^{17}
IDC Error ellipse: s-maj=11.3km s-min=10.5km az=71.0.
MOS Error ellipse: s-maj=11.6km s-min=9.7km az=95.2.

(228) Near east coast of eastern Honshu

ISC	**X**	**17 00 43 58.3–.84**	**36.73N–.03**	**140.61E–.04**	**12–5**	**4.5b**	**115**	**0-147**
NIED	X	17 00 43 00	36.70N	140.60E	5	4.2W	**¶601837349**	
IDC	X	17 00 43 56.5–.50	36.77N	140.49E	0	4.4,4.2		
JMA	X	17 00 43 57.8	36.72N	140.63E	7	4.5,4.2		
ISCJB	X	17 00 43 57.6–.40	36.72N–.02	140.60E–.03	13–2	4.3b,3.3s		
BJI	X	17 00 44 02.8	36.75N	140.49E	63	4.8b,4.7b		
NEIC	X	17 00 44 05.6–.82	36.65N	140.23E	65–7	4.4b,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ33.00000°,λ-75.00000°. NP2:ϕ_s129.00000°,δ58.00000°,λ-100.00000°. M_o2.66000×10^{15}
IDC Error ellipse: s-maj=15.1km s-min=12.4km az=96.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s132.00000°,δ50.00000°,λ-106.00000°. NP2:ϕ_s336.00000°,δ42.00000°,λ-72.00000°. Principal axes: T Plg4.0000°,Azm233.0000°; N Plg12.0000°,Azm142.0000°; P Plg77.0000° ,Azm341.0000°
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.5km az=21.3.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=7.2km az=152.0. Recorded [4 JMA] in Ibaraki.

(228) Near east coast of eastern Honshu

JMA	**X**	**17 00 52 41.2**	**36.73N**	**140.62E**	**7**	**3.5**		
NIED	X	17 00 52 00	36.70N	140.70E	5	3.4W	**¶603690724**	

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ49.00000°,λ-89.00000°. NP2:ϕ_s161.00000°,δ41.00000°,λ-91.00000°. Principal axes: T Plg4.0000°,Azm72.0000°; N Plg1.0000°,Azm162.0000°; P Plg86.0000° ,Azm266.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ47.00000°,λ-63.00000°. NP2:ϕ_s139.00000°,δ49.00000°,λ-116.00000°. M_o1.45000×10^{14}

(70) Guatemala

ISC	**X**	**17 01 26 38.0–.70**	**13.81N–.08**	**91.38W–.06**	**73**	**4.4b**	**281**	**1-146**
NEIC	X	17 01 26 40.2–.70	14.02N	91.29W	70–7	4.4b	**¶601837353**	
IDC	X	17 01 26 42.0–2.3	13.93N	91.16W	106–16	4.3,4.3		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.3km az=206.0. Felt at Quetzaltenango.
IDC Error ellipse: s-maj=31.5km s-min=21.0km az=54.0.

(116) Central Peru

ISC	**X**	**17 02 25 53.1–.33**	**13.59S–.04**	**70.34W–.06**	**10**	**4.8b,4.2s**	**185**	**3-153**
IDC	X	17 02 25 51.9–.50	13.61S	70.37W	0	4.6,4.5L	**¶601837356**	
ISCJB	X	17 02 25 52.5–.21	13.51S–.03	70.31W–.04	10	4.6b,4.2s		
NEIC	X	17 02 25 59.0–.66	13.56S	70.26W	47–6	4.7b,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=17.8km s-min=11.5km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.7km az=167.8.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=76.0. Felt [IV] at San Gaban and [III] at Macusani.

(76) Off coast of central America

ISC	**X**	**17 02 55 22.0–.50**	**12.49N–.06**	**88.86W–.05**	**40**	**4.4b,3.9s**	**317**	**1-148**
IDC	X	17 02 55 17.2–.89	12.77N	88.70W	0	4.3,4.1	**¶601837565**	
UCR	X	17 02 55 18.6–1.4	12.39N	88.96W	11–12	4.4b,4.1L		
ISCJB	X	17 02 55 19.6–.35	12.44N–.04	88.91W–.03	40	4.4b,3.9s		
NEIC	X	17 02 55 22.9–.91	12.49N	88.80W	49–8	4.4b,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=30.8km s-min=12.0km az=47.0.
UCR Error ellipse: s-maj=5.4km s-min=6.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.1km az=32.4.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.2km az=218.0. Felt [I] at San Salvador.

(228) Near east coast of eastern Honshu

ISC	**X**	**17 03 29 22.3–1.5**	**37.06N–.04**	**141.43E–.07**	**28–10**	**3.8b**	**29**	**1-74**
NIED	X	17 03 29 00	37.00N	141.40E	8	3.6W	**¶601998610**	
ISCJB	X	17 03 29 22.8–.90	37.01N–.04	141.43E–.09	47–8	3.7b,3.6s		
JMA	X	17 03 29 23.2–.10	37.00N	141.37E	28–1	3.8,3.6s		
IDC	X	17 03 29 27.9–2.9	36.94N	141.29E	89–29	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ23.00000°,λ-97.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ-87.00000°. M_o2.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.0km az=14.2.
JMA Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=17.2km az=57.0.

(88) Dominican Republic region

ISC	**X**	**17 03 30 48.1–.67**	**18.53N–.04**	**70.78W–.02**	**13–4**	**4.7b,3.9s**	**457**	**0-156**
ISCJB	X	17 03 30 45.8–.13	18.59N–.02	70.81W–.02	10	4.5b,3.9s	**¶601837360**	
IDC	X	17 03 30 45.9–.41	18.53N	70.79W	0	4.4,4.4		
GCMT	X	17 03 30 46.5–.30	18.76N–.02	70.68W–.02	12–2	4.7W,4.4		
NEIC	X	17 03 30 48.4–.23	18.53N	70.74W	10	4.7b,4.4		
BJI	X	17 03 30 48.0	18.70N	70.90W	13	4.7b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=25.2.
IDC Error ellipse: s-maj=12.5km s-min=10.9km az=45.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s5,c5; s66,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.07 $M_{\theta\theta}$-1.40±.08; $M_{\phi\phi}$1.55±.09; $M_{r\theta}$0.33±.20; $M_{\theta\phi}$0.32±.06; $M_{\phi r}$-0.19±.20; Best double couple: NP1:ϕ_s322.00000°,δ84.00000°,λ-166.00000°. NP2:

ϕ_s230.00000°,δ76.00000°,λ-6.00000°. Principal axes: T 1.5990,Plg5.0000°,Azm95.0000° ; N -0.0710,Plg75.0000°,Azm345.0000°; P -1.5200,Plg14.0000°,Azm187.0000° $M_0$1.55900×10^{16}

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=26.0. Felt [III] at Concepcion and [II] at Santo Domingo. Also felt at Azua, Constanza, La Lomota, Peralta, Puerto Plata, San Jose de Ocoa and Santiago.

(262) Celebes Sea

ISC	**X**	**17 04 42 31.1–.20**	**4.18N–.02**	**124.56E–.03**	**338–1**	**5.8b**	**2447**	**1-174**
BJI	X	17 04 42 30.9	4.21N	124.56E	330	6.0b,5.9b		**¶601837362**
MAN	X	17 04 42 30.0	3.99N	124.53E	329	6.1b,5.7s		
MOS	X	17 04 42 30.1–.86	4.19N	124.53E	342	5.9b,5.7s		
NEIC	X	17 04 42 30.4–.35	4.23N	124.52E	326–3	6.1W,6.0W		
IDC	X	17 04 42 30.6–.35	4.22N	124.54E	329–3	6.0,5.4		
ISCJB	X	17 04 42 31.0–.15	4.19N–.01	124.60E–.02	351–1	5.8b,5.4		
NEIC	X	17 04 42 31.0–.00	4.19N	124.57E	340	5.8b,5.4		
GCMT	X	17 04 42 31.4–.10	4.26N–.01	124.49E–.01	333–0	6.0W,5.4		
DJA	X	17 04 42 31.4–.20	4N–2.0	125E–2.0	328–2	6.6,6.0b		
KLM	X	17 04 42 32.0	3.96N	124.64E	378	6.4b,6.0b		
NEIC	X	17 04 42 42.4–.00	3.93N	124.64E	355	6.4b,6.0b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=112.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=69.0. Felt [IV PIVS] at Cateel and Talagutong; [III PIVS] at Digos, Malita and San Isidro; [II PIVS] at Davao and Magugpo; [I PIVS] at General Santos, Philippines. Felt [IV] in the Kepulauan Talaud, Indonesia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.26 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.38 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s10.00000°,δ57.00000°,λ-52.00000°. NP2:ϕ_s136.00000°,δ49.00000°,λ-133.00000°. Principal axes: T 1.5700,Plg5.0000° ,Azm75.0000°; N 0.2700,Plg31.0000°,Azm167.0000°; P -1.8300,Plg59.0000°,Azm337.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ55.00000°,λ-45.00000°. NP2:ϕ_s145.00000°,δ55.00000°,λ-135.00000°. Principal axes: T Plg0.0000°,Azm265.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000° ,Azm355.0000°
IDC Error ellipse: s-maj=6.3km s-min=4.9km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=164.3.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.96 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.73 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.12 Best double couple: NP1:ϕ_s144.00000° ,δ52.00000°,λ-129.00000°. NP2:ϕ_s17.00000°,δ52.00000°,λ-50.00000°. Principal axes: T 1.1200,Plg0.0000°,Azm260.0000°; N 0.2800,Plg30.0000°,Azm170.0000° ; P -1.4000,Plg59.0000°,Azm350.0000° $M_0$1.30000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s140,c325; s114,c163; Duration: 2±5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.94±.01 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$-0.84±.01; $M_{\theta\phi}$-0.16±.01; $M_{\phi r}$-0.21±.01; Best double couple: NP1:ϕ_s22.00000°,δ57.00000° ,λ-51.00000°. NP2:ϕ_s145.00000°,δ50.00000°,λ-134.00000°. Principal axes: T 1.0690,Plg4.0000°,Azm85.0000°; N 0.4200,Plg32.0000°,Azm177.0000° ; P -1.4910,Plg58.0000°,Azm349.0000° $M_0$1.28000×10^{18}
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.06 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$1.31 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s151.00000° ,δ46.00000°,λ-134.00000°. NP2:ϕ_s25.00000°,δ59.00000°,λ-54.00000°. Principal axes: T 1.3500,Plg7.0000°,Azm90.0000°; N 0.2000,Plg30.0000°,Azm185.0000° ; P -1.5400,Plg59.0000°,Azm348.0000° $M_0$1.40000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**X**	**17 10 57 41.0–1.7**	**37.84N–.04**	**141.98E–.07**	**26–12**	**3.6b**	**37**	**1-89**
NIED	X	17 10 57 00	37.90N	141.90E	56	3.7W		**¶601998651**
IDC	X	17 10 57 37.4–1.0	37.74N	142.30E	0	3.8,3.6		
JMA	X	17 10 57 43.6	37.91N	141.83E	51–1	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ28.00000°,λ99.00000°. NP2:ϕ_s213.00000°,δ62.00000°,λ85.00000°. $M_0$3.64000×10^{14}
IDC Error ellipse: s-maj=31.2km s-min=18.7km az=117.0.
JMA Event type fe.

(226) Near west coast of eastern Honshu

ISC	**X**	**17 15 01 40.7–.00**	**37.04N–.03**	**138.68E–.04**	**12–7**	**3.9b,3.5s**	**72**	**0-82**
NIED	X	17 15 01 00	37.00N	138.70E	5	4.2W,3.5s		**¶606046584**
IDC	X	17 15 01 39.0–.60	37.09N	138.64E	0	4.0,4.0L		
ISCJB	X	17 15 01 40.4–.37	37.04N–.02	138.66E–.04	23–3	3.9b,3.5s		
JMA	X	17 15 01 40.7	37.03N	138.71E	7–2	4.2,3.5s		
NEIC	X	17 15 01 42.0–1.1	36.95N	138.67E	23–8	4.5b,3.5s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ35.00000°,λ83.00000°. NP2:ϕ_s54.00000°,δ55.00000°,λ95.00000°. $M_0$2.34000×10^{15}
IDC Error ellipse: s-maj=19.3km s-min=7.7km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.6km az=31.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s227.00000°,δ54.00000°,λ85.00000°. NP2:ϕ_s56.00000°,δ36.00000°,λ97.00000°. Principal axes: T Plg80.0000°,Azm117.0000°; N Plg4.0000°,Azm230.0000°; P Plg9.0000° ,Azm321.0000°
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=6.7km az=95.0. Felt at Nagaoka. Recorded [4 JMA] in Niigata.

(226) Near west coast of eastern Honshu

ISC	**X**	**17 16 16 43.1–1.2**	**37.04N–.04**	**138.72E–.04**	**9–11**		**22**	**0-57**
IDC	X	17 16 16 41.9–1.3	37.06N	138.72E	0	3.9,3.7		**¶601838137**
ISCJB	X	17 16 16 42.8–.89	37.05N–.03	138.65E–.05	15–7	3.6b,3.7		
JMA	X	17 16 16 43.6	37.03N	138.70E	8–2	3.3,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=10.0km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.5km az=33.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ75.00000°,λ127.00000°. NP2:ϕ_s184.00000°,δ40.00000°,λ24.00000°. Principal axes: T Plg47.0000°,Azm24.0000°; N Plg36.0000°,Azm244.0000°; P Plg21.0000° ,Azm138.0000°

(173) Tonga Islands

ISC	**X**	**17 17 23 42.2–.43**	**19.20S–.04**	**174.07W–.05**	**31–2**	**5.5b,4.9s**	**866**	**4-173**
IDC	X	17 17 23 37.5–.35	19.02S	174.08W	0	5.6L,5.1		**¶601837583**
BJI	X	17 17 23 41.8	18.85S	174.12W	28	5.6b,5.4s		
MOS	X	17 17 23 41.4–1.1	19.04S	174.13W	33	5.5b,4.9s		
ISCJB	X	17 17 23 41.2–.08	19.07S–.02	174.14W–.02	33	5.4b,4.9s		
NEIC	X	17 17 23 43.0–.09	19.04S	174.19W	35	5.5b,5.0s		
WEL	X	17 17 23 42.0	19.04S	174.19W	35	5.5b,5.0s		
GCMT	X	17 17 23 46.0–.10	19.07S–.01	173.58W–.01	41–1	5.3W,5.0s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Neiafu.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c167; s110,c184;Duration: 1±2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-1.11±.03; Best double couple: NP1:ϕ_s175.00000°,δ76.00000°,λ108.00000°. NP2:ϕ_s303.00000°,δ22.00000°,λ40.00000°. Principal axes: T 1.2640,Plg56.0000° ,Azm107.0000°; N 0.1320,Plg17.0000°,Azm350.0000°; P -1.3950,Plg29.0000° ,Azm251.0000° $M_0$1.32900×10^{17}

(460) Wyoming

ISC	**X**	**17 18 20 04.4–.99**	**43.74N–.07**	**105.21W–.07**	**0**		**18**	**1-61**
ISCJB	X	17 18 20 03.4–.51	43.73N–.05	105.22W–.07	0	4.2b		**¶601998694**
IDC	X	17 18 20 03.4–2.4	43.57N	105.39W	0	4.0b,3.9		
NEIC	X	17 18 20 05.2–.38	43.70N	105.23W	0	3.5L,3.9		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.1km s-min=6.7km az=156.7.
IDC Error ellipse: s-maj=57.4km s-min=8.2km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=6.4km s-min=5.1km az=155.0. 69 km [43 miles] SSE of Gillette. Suspected Mining explosion.

(314) Southern India

ISC	**X**	**18 02 33 31.8–.27**	**23.80N–.03**	**81.26E–.03**	**35**	**5.0b,4.5s**	**499**	**1-153**
NEIC	X	18 02 33 28.0–.15	23.77N	81.31E	10	5.0b,4.5s		**¶601838153**
MOS	X	18 02 33 29.1–.92	23.74N	81.43E	33	5.1b,4.6s		
IDC	X	18 02 33 29.7–3.9	23.73N	81.35E	22–24	4.8,4.8L		
DMN	X	18 02 33 29.0–.51	23.65N	81.26E	10	5.5L,4.8L		
ISCJB	X	18 02 33 29.7–.15	23.81N–.02	81.33E–.02	33	4.9b,4.5s		
BJI	X	18 02 33 29.0	24.08N	81.34E	11	4.9b,4.7b		
NDI	X	18 02 33 29.1–2.3	23.78N	81.36E	10	5.0L,4.7b		

ISC Event type de.
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.2km az=208.0. One house collapsed at Deurala and some buildings slightly damaged at Jaisinghnagar, Kotma, Sarai and Umaria. Felt [III] at Mirzapur. Felt strongly at Anuppur, Badrawas, Dindori, Dhanpuri, Govindgarh, Katni, Mandla, Rewa and Shahdol. Also felt at Bilaspur, Jabalpur, Panagar, Satna and Singrauli. Ground cracks observed in the Umaria area.
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=119.4.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=31.0.
DMN Event type ke. Error ellipse: s-maj=11.7km s-min=8.8km az=82.0.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=2.3km az=163.9.
NDI Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.

(227) Eastern Honshu

ISC	**X**	**18 03 55 10.8–.99**	**36.62N–.03**	**139.41E–.04**	**14–7**		**19**	**0-60**
IDC	X	18 03 55 07.3–2.4	36.86N	139.49E	0	4.0,3.7		**¶601998745**
ISCJB	X	18 03 55 10.6–.60	36.61N–.03	139.43E–.05	14–4	3.8b,3.7		
JMA	X	18 03 55 11.1	36.63N	139.43E	9	3.3,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=15.3km az=1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.9km az=17.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s188.00000°,δ57.00000°,λ60.00000°. NP2:ϕ_s55.00000°,δ44.00000°,λ127.00000°. Principal axes: T Plg64.0000°,Azm43.0000°; N Plg25.0000°,Azm206.0000°; P Plg7.0000° ,Azm299.0000°

(286) Flores region

ISC	**X**	**18 04 14 31.7–.24**	**8.08S–.03**	**123.76E–.04**	**35**	**5.0b,4.1s**	**405**	**2-162**
IDC	X	18 04 14 26.1–.40	8.02S	123.59E	0	4.8,4.8		**¶601838157**
ISCJB	X	18 04 14 29.6–.16	8.03S–.02	123.77E–.02	33	4.9b,4.0s		
BJI	X	18 04 14 30.7	8.10S	123.60E	33	5.3b,4.9b		
GCMT	X	18 04 14 30.4–.30	8.03S–.02	123.72E–.05	17–1	4.9W,4.9b		
MOS	X	18 04 14 30.7–1.1	7.92S	123.58E	38	5.3b,4.9b		
DJA	X	18 04 14 31.0–.90	8S–2.0	124E–2.0	22–7	5.5b,5.3b		
NEIC	X	18 04 14 32.4–.53	8.06S	123.67E	43–5	5.1b,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=155.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s57,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.24 $M_{\theta\theta}$-2.31±.14; $M_{\phi\phi}$-0.15±.14; $M_{r\theta}$-0.92±.31; $M_{\theta\phi}$-0.22±.08; $M_{\phi r}$-0.69±.46; Best double couple: NP1:ϕ_s252.00000°,δ57.00000°,λ77.00000°. NP2:ϕ_s95.00000°,δ35.00000°,λ109.00000°. Principal axes: T 2.7690,Plg74.0000° ,Azm128.0000°; N -0.2380,Plg10.0000°,Azm259.0000°; P -2.5320,Plg11.0000° ,Azm351.0000° $M_0$2.65100×10^{16}
MOS Error ellipse: s-maj=11.0km s-min=6.9km az=119.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=55.0. Felt [III] on Pulau Kawula.

(228) Near east coast of eastern Honshu

JMA	**X**	**18 04 19 53.3–.10**	**38.28N**	**141.84E**	**47–1**	**3.6**		**¶606046967**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(463) Nebraska

ISC	**X**	**18 05 21 09.9–.52**	**42.29N–.03**	**101.88W–.03**	**10**	**3.6b**	**115**	**1-128**
ISCJB	X	18 05 21 08.5–.25	42.30N–.02	101.86W–.02	10	3.6b,3.2s		**¶601838473**
IDC	X	18 05 21 08.3–1.0	42.16N	102.00W	0	4.0,3.7		
NEIC	X	18 05 21 11.1–.50	42.21N	101.95W	5	3.6,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.6km az=15.7.
IDC Error ellipse: s-maj=15.7km s-min=9.6km az=147.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=6.1km az=182.0. Felt [III] at Bridgeport, Hay Springs and Rushville and [II] at Alliance, Chadron and Gordon. Also felt at Ashby, Bingham, Ellsworth, Gering, Hyannis, Lakeside and Merriman. Felt [III] at Pine Ridge, South Dakota. Also felt at Hot Springs, Martin, Rapid City, Saint Francis and Wounded Knee.

(135) Near coast of central Chile

ISC	**X**	**18 05 23 14.6–.60**	**34.76S–.04**	**71.98W–.07**	**47–5**	**4.1b**	**62**	**0-120**
SJA	X	18 05 23 12.4–.52	34.85S	71.98W	151–61	4.3L,4.2W		**¶601838474**
ISCJB	X	18 05 23 14.1–.53	34.78S–.03	71.99W–.08	58–4	4.0b,3.4s		
GUC	X	18 05 23 14.5–.52	34.69S	71.91W	43–2	4.6L,3.4s		
NEIC	X	18 05 23 14.0–.00	34.69S	71.91W	43	4.6L,4.2b		
IDC	X	18 05 23 14.2–.78	34.75S	71.62W	42–7	4.3L,4.0		

ISC Event type fe.
SJA Error ellipse: s-maj=5.9km s-min=27.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=4.7km az=20.2.
GUC Error ellipse: s-maj=2.5km s-min=5.7km az=-1.0.
NEIC Event type fe. Felt [III] at Curico, Iloca, Linares, Longavi, Pencahue, Rancagua, Rio Claro, Romeral, San Javier and Talca; [II] at Cauquenes, Colbun, Constitucion, Navidad, Paredones, Pichilemu, San Fernando and Santiago. After GUC.
IDC Error ellipse: s-maj=33.5km s-min=14.9km az=77.0.

(372) Cyprus region

ISC	**X**	**18 06 46 39.5–.93**	**34.91N–.02**	**33.93E–.03**	**50–7**		**126**	**0-35**
IDC	X	18 06 46 33.5–1.3	35.12N	33.84E	0	4.0,4.0		**¶601838163**
ISK	X	18 06 46 37.3	34.85N	34.00E	32–1	3.7L,4.0		
ISCJB	X	18 06 46 38.1–.21	34.93N–.01	33.90E–.03	61–4	3.8b,4.0		
DDA	X	18 06 46 38.7	35.10N	33.80E	44	3.9L,4.0		
HLW	X	18 06 46 38.0	34.99N	33.81E	33–23	4.0,3.9L		
GII	X	18 06 46 39.4–.00	34.74N	33.92E	10–0	4.0,3.9L		
NIC	X	18 06 46 39.5–.20	35.07N	33.84E	50	4.0b,3.7L		
JSO	X	18 06 46 41.1–1.2	35N–12	34E–14	0	4.3,4.3		
GRAL	X	18 06 46 44.9–.25	34.56N	34.40E	0–5	3.4,4.3		

ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=17.7km az=70.0.
ISK Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.1km az=158.1.
DDA Event type ke.
GII Event type ke.
NIC Event type fe. Felt I=II at Larnaca district.
GRAL Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

(337) Eastern Caucasus

ISC	**X**	**18 06 55 03.6–.92**	**43.33N–.02**	**45.55E–.01**	**11–7**	**3.6b**	**209**	**0-48**
DRS	X	18 06 55 01.0–.00	43.29N	45.30E	14	3.6b		**¶601998764**
IDC	X	18 06 55 01.9–.80	43.50N	45.38E	0	3.6,3.6		
MOS	X	18 06 55 02.8–.00	43.26N	45.55E	11–0	4.6,3.6		
ISCJB	X	18 06 55 02.9–.31	43.37N–.02	45.59E–.02	4–2	3.4b,2.4s		
TIF	X	18 06 55 02.5	43.36N	45.51E	10–2	3.4b,2.4s		
MOS	X	18 06 55 03.3–1.0	43.46N	45.60E	14	4.6b,2.4s		
AZER	X	18 06 55 06.2–10	43.15N	45.31E	35	3.8L,2.4s		
DDA	X	18 06 55 24.9	41.92N	44.83E	62	3.1L,2.4s		

ISC Event type ke.
DRS Event type se.
IDC Error ellipse: s-maj=14.7km s-min=9.1km az=175.0.
MOS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.7km az=20.3.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=124.4. Felt (III) at Groznyy. Moment Tensor Solution.
DDA Event type ke.

(228) Near east coast of eastern Honshu

JMA	**X**	**18 11 06 22.8–.10**	**39.23N**	**142.44E**	**32–1**	**3.8**		
NIED	X	18 11 06 00	39.20N	142.50E	32	3.5W		**¶603691493**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ29.00000°,λ-80.00000°. NP2:ϕ_s208.00000°,δ62.00000°,λ-95.00000°. $M_0$1.88000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**X**	**18 21 14 51.8–1.7**	**38.85N–.06**	**142.1E–.10**	**44–12**	**3.8b**	**25**	**0-78**
NIED	X	18 21 14 00	38.90N	142.10E	44	3.7W		**¶606047253**
ISCJB	X	18 21 14 51.0–1.2	38.84N–.05	142.1E–.10	53–7	3.8b		
JMA	X	18 21 14 52.1–.10	38.85N	142.05E	46–1	3.9		
IDC	X	18 21 14 53.2–3.2	38.80N	142.23E	68–24	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ30.00000°,λ77.00000°. NP2:ϕ_s19.00000°,δ61.00000°,λ97.00000°. $M_0$4.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=17.2km s-min=7.2km az=17.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=22.4km az=89.0.

(229) Off east coast of Honshu

ISC	X	**19 01 50 05.3–.45**	**39.63N–.05**	**143.36E–.04**	**11**	**4.8b,4.4s**	**341**	**1-146**	
NIED	X	19 01 50 00	39.60N	143.80E	23	4.6W,4.4s			¶601838857
JMA	X	19 01 50 02.8–.20	39.59N	143.68E	24	4.7,4.4s			
IDC	X	19 01 50 03.1–.57	39.56N	143.44E	0	4.6,4.5			
ISCJB	X	19 01 50 03.9–.22	39.62N–.03	143.42E–.03	11	4.6b,4.4s			
MOS	X	19 01 50 07.0–1.0	39.65N	143.34E	33	5.0b,4.4s			
NEIC	X	19 01 50 09.1–.66	39.58N	143.31E	36–5	4.7b,4.4s			
BJI	X	19 01 50 09.8	39.59N	142.89E	41	5.0b,5.0b			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ30.00000°,λ86.00000°. NP2:ϕ_s27.00000°,δ60.00000°,λ93.00000°. $M_0$9.99000×10^{15}

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

IDC Error ellipse: s-maj=15.1km s-min=12.1km az=132.0.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=136.0.

MOS Error ellipse: s-maj=7.3km s-min=4.8km az=101.7.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.4km az=143.0. Recorded [1 JMA] in Aomori, Iwate and Miyagi.

(228) Near east coast of eastern Honshu

ISC	X	**19 01 58 19.7–.88**	**38.47N–.05**	**142.23E–.08**	**43–8**	**3.9b**	**41**	**1-89**	
NIED	X	19 01 58 00	38.50N	142.30E	47	4.0W			¶601874175
ISCJB	X	19 01 58 18.1–.94	38.45N–.04	142.29E–.08	46–8	3.8b			
JMA	X	19 01 58 18.8–.10	38.48N	142.24E	40–1	3.9			
IDC	X	19 01 58 19.8–.76	38.39N	142.23E	48–7	4.0,3.9			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ4.00000°,λ51.00000°. NP2:ϕ_s242.00000°,δ87.00000°,λ93.00000°. $M_0$9.52000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.0km az=16.7.

JMA Event type fe.

IDC Error ellipse: s-maj=23.0km s-min=13.9km az=94.0.

(45) California-Baja California border region

ISC	X	**19 02 51 55.5–1.0**	**32.11N–.02**	**115.22W–.02**	**9–8**	**3.3s**	**180**	**0-38**	
ECX	X	19 02 51 56.7–.60	32.12N	115.21W	12	4.4L,4.2			¶601838859
NEIC	X	19 02 51 56.7–.00	32.13N	115.20W	2	4.2L,4.2b			
MEX	X	19 02 51 57.4–.74	32.23N	115.10W	14–8	4.1,4.2b			
IDC	X	19 02 51 59.7–2.3	32.45N	114.72W	0	3.9L,3.8			

ISC Event type fe.

ECX Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NEIC Event type fe. Felt [II] at Mexicali. Also felt at Ensenada and Tijuana. Felt at El Centro, Indio, Lakeside, San Diego and Spring Valley, California. After ECX. Moment Tensor Solution. $M_0$1.30000×10^{15}

MEX Error ellipse: s-maj=7.4km s-min=9.5km az=-1.0.

IDC Error ellipse: s-maj=42.3km s-min=11.2km az=38.0.

(371) Eastern Mediterranean Sea

ISC	X	**19 03 35 12.3–.65**	**32.58N–.03**	**30.98E–.03**	**19–2**	**5.0b,4.0s**	**974**	**3-131**	
BJI	X	19 03 35 06.3	32.41N	30.50E	13	5.1b,5.1b			¶606635620
IDC	X	19 03 35 09.5–.39	32.62N	31.03E	0	4.9L,4.8			
ISCJB	X	19 03 35 10.8–.10	32.57N–.01	31.03E–.01	19	4.9b,4.0s			
MOS	X	19 03 35 11.0–.97	32.59N	31.01E	21	5.1b,4.0s			
NEIC	X	19 03 35 11.6–1.1	32.55N	30.98E	13–7	5.1b,4.8L			
GCMT	X	19 03 35 13.9–.30	32.44N–.02	31.02E–.02	29–0	5.0W,4.8L			
HLW	X	19 03 35 14.2	32.55N	31.20E	32–45	5.0W,4.8L			
GII	X	19 03 35 15.1–.00	32.46N	31.16E	32	4.9b,4.9			
NIC	X	19 03 35 16.8–.20	32.98N	30.96E	11	4.9b,4.8L			
PDG	X	19 03 35 58.2–.25	33.93N	25.50E	13–1	5.1L,4.8L			
DDA	X	19 03 36 12.7	32.41N	30.91E	41	5.4L,4.8L			

ISC Event type fe.

IDC Error ellipse: s-maj=10.2km s-min=9.2km az=115.0.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=42.6.

MOS Error ellipse: s-maj=5.9km s-min=3.1km az=96.2.

NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=224.0. Felt at Alexandria and Al Jizah, Egypt.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c50; s87,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.78±.20 $M_{\theta\theta}$1.57±.12; $M_{\phi\phi}$-4.35±.13; $M_{r\theta}$-0.99±.19; $M_{\theta\phi}$0.06±.10; $M_{\phi r}$0.98±.17; Best double couple: NP1:ϕ_s336.00000°,δ58.00000°,λ57.00000°. NP2:ϕ_s206.00000°,δ44.00000°,λ131.00000°. Principal axes: T 3.4270,Plg61.0000° ,Azm193.0000°; N 1.0610,Plg27.0000°,Azm354.0000°; P -4.4880,Plg8.0000°,Azm88.0000° $M_0$3.95800×10^{16}

GII Event type ke.

PDG Event type ke. Error ellipse: s-maj=688.3km s-min=463.8km az=90.0.

DDA Event type ke.

(228) Near east coast of eastern Honshu

ISC	X	**19 04 10 48.3–.79**	**36.49N–.04**	**140.63E–.05**	**55–6**	**3.7b,3.2s**	**41**	**0-83**	
NIED	X	19 04 10 00	36.50N	140.60E	56	3.8W,3.2s			¶606047349
ISCJB	X	19 04 10 47.3–.48	36.47N–.03	140.66E–.05	62–3	3.8b,3.2s			
JMA	X	19 04 10 48.4–.10	36.45N	140.60E	55–1	3.6,3.2s			
IDC	X	19 04 10 50.8–2.4	36.43N	140.50E	81–20	3.9,3.7			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ23.00000°,λ80.00000°. NP2:ϕ_s14.00000°,δ67.00000°,λ94.00000°. $M_0$6.52000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=24.6.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ65.00000°,λ90.00000°. NP2:ϕ_s194.00000°,δ25.00000°,λ91.00000°. Principal axes: T Plg70.0000°,Azm282.0000°; N Plg0.0000°,Azm13.0000°; P Plg20.0000° ,Azm103.0000°

IDC Error ellipse: s-maj=25.4km s-min=9.5km az=63.0.

(122) Near coast of northern Chile

ISC	X	**19 08 45 17.1–.82**	**23.00S–.04**	**70.27W–.05**	**47–8**		**37**	**0-148**	
IDC	X	19 08 45 05.2–3.0	23.61S	70.95W	0	4.3b,4.1			¶601839077
ISCJB	X	19 08 45 16.5–.48	23.02S–.03	70.30W–.06	55–5	4.1b,2.8s			
NEIC	X	19 08 45 17.0–.00	22.98S	70.23W	46	4.2L,3.9b			
GUC	X	19 08 45 17.1–.69	22.98S	70.23W	46–1	4.2L,3.9b			

ISC Event type fe.

IDC Error ellipse: s-maj=71.5km s-min=41.9km az=84.0.

ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.9km az=15.1.

NEIC Event type fe. Felt [II] at Tocopilla. After GUC.

GUC Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	X	**19 09 12 57.0–.39**	**39.35N–.04**	**142.05E–.05**	**47–2**	**4.6b,3.6s**	**264**	**0-145**	
NIED	X	19 09 12 00	39.30N	142.10E	50	4.5W,3.6s			¶601838902
MOS	X	19 09 12 54.7–1.0	39.30N	141.91E	38	4.7b,3.6s			
BJI	X	19 09 12 55.6	39.29N	142.14E	58	5.0b,4.8b			
ISCJB	X	19 09 12 56.8–.39	39.34N–.03	142.05E–.05	56–2	4.5b,3.6s			
JMA	X	19 09 12 57.6	39.34N	142.06E	48–1	4.4,3.6s			
NEIC	X	19 09 12 57.2–.36	39.34N	142.03E	44	4.6b,3.6s			
IDC	X	19 09 12 57.0–.47	39.28N	141.95E	45–3	4.4,4.3			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ23.00000°,λ83.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ93.00000°. $M_0$5.64000×10^{15}

MOS Error ellipse: s-maj=9.7km s-min=5.6km az=105.1.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=29.7.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=6.2km az=135.0. Recorded [3 JMA] in Iwate.

IDC Error ellipse: s-maj=11.8km s-min=9.8km az=104.0.

(228) Near east coast of eastern Honshu

ISC	X	**19 11 59 43.1–.79**	**35.71N–.04**	**140.11E–.05**	**45–8**	**3.9b**	**49**	**0-92**	
NIED	X	19 11 59 00	35.80N	140.10E	41	4.1W			¶601874178
ISCJB	X	19 11 59 41.9–.35	35.71N–.03	140.14E–.04	51–3	3.9b,2.9s			
JMA	X	19 11 59 42.6–.10	35.77N	140.11E	42–1	3.9,2.9s			
IDC	X	19 11 59 44.7–1.3	35.53N	139.92E	65–12	4.1,4.0			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ45.00000°,λ-33.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ-130.00000°. $M_0$1.40000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=157.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ89.00000°,λ-120.00000°. NP2: ϕ_s294.00000°,δ30.00000°,λ-1.00000°. Principal axes: T Plg37.0000°,Azm141.0000° ; N Plg30.0000°,Azm25.0000°; P Plg38.0000°,Azm268.0000°

IDC Error ellipse: s-maj=19.1km s-min=6.0km az=67.0.

(108) Off coast of northern Peru

ISC	X	**19 15 42 48.3–2.5**	**7.3S–.10**	**79.9W–.40**	**35**		**7**	**6-25**	
NEIC	X	19 15 42 47.0–.00	7.48S	80.20W	30	4.3L,4.1b			¶601998952

ISC Event type fe.

NEIC Event type fe. Felt [II] at Chiclayo. After ARE.

(229) Off east coast of Honshu

ISC	X	**19 19 02 22.3–3.1**	**37.15N–.04**	**142.13E–.06**	**30–23**	**4.3b**	**108**	**1-146**	
NIED	X	19 19 02 00	37.20N	142.00E	32	4.1W			¶601874181
IDC	X	19 19 02 18.4–.58	37.09N	142.14E	0	4.2,4.1			
ISCJB	X	19 19 02 20.9–1.3	37.08N–.03	142.13E–.03	33–9	4.3b,4.1			
JMA	X	19 19 02 21.0–.20	37.14N	142.08E	38	4.2,4.1			
NEIC	X	19 19 02 23.7–.62	37.04N	142.14E	42–6	4.6b,4.1			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ14.00000°,λ-36.00000°. NP2:ϕ_s292.00000°,δ82.00000°,λ-102.00000°. $M_0$1.48000×10^{15}

IDC Error ellipse: s-maj=16.1km s-min=11.4km az=108.0.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=141.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.3km az=119.0. Recorded [1 JMA] in Miyagi.

(235) Kyushu

ISC	X	**20 02 49 14.6–.85**	**30.05N–.03**	**131.20E–.04**	**24–5**	**4.6b,4.3s**	**203**	**0-139**	
NIED	X	20 02 49 00	30.00N	131.30E	20	4.7W,4.3s			¶601839318
BJI	X	20 02 49 09.8	29.87N	131.45E	21	4.8b,4.6s			
IDC	X	20 02 49 11.0–.61	30.12N	130.94E	0	4.4,4.3			
MOS	X	20 02 49 12.6–.94	30.10N	131.01E	24	4.8b,4.5s			
JMA	X	20 02 49 13.9–.10	30.05N	131.27E	24–1	4.6,4.5s			
ISCJB	X	20 02 49 14.7–.42	30.08N–.02	131.20E–.04	42–3	4.5b,4.3s			
NEIC	X	20 02 49 15.3–1.5	30.11N	130.99E	25–11	4.5b,4.3s			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ31.00000°,λ57.00000°. NP2:ϕ_s37.00000°,δ65.00000°,λ108.00000°. $M_0$1.35000×10^{16}

IDC Error ellipse: s-maj=19.1km s-min=12.8km az=88.0.

MOS Error ellipse: s-maj=10.4km s-min=5.6km az=110.9.

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

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=22.7.

NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=5.4km az=116.0. Recorded [1 JMA] on Tanega-shima.

(96) Near north coast of Colombia

ISC	X	**20 03 42 02.2–.88**	**10.99N–.04**	**74.23W–.04**	**24–6**	**4.3b,3.3s**	**275**	**0-151**	
IDC	X	20 03 41 58.6–.47	10.92N	74.25W	0	4.3,4.2			¶601866975
ISCJB	X	20 03 42 01.3–.56	10.96N–.02	74.20W–.03	23–4	4.3b,3.3s			
RSNC	X	20 03 42 01.5–.42	11.22N	74.08W	28–4	4.0W,3.9L			
NEIC	X	20 03 42 02.6–1.5	10.94N	74.16W	24–11	4.4b,3.9L			

ISC Event type fe.

IDC Error ellipse: s-maj=16.6km s-min=11.3km az=41.0.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=161.1.

RSNC Error ellipse: s-maj=8.0km s-min=4.5km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.7km az=47.0. Felt at San Pedro.

(243) Taiwan region

ISC	X	**20 08 49 38.5–.48**	**24.43N–.02**	**122.54E–.02**	**79–4**	**4.5b**	**478**	**0-151**	
NIED	X	20 08 49 00	24.30N	122.50E	74	4.3W			¶601839787
BJI	X	20 08 49 36.9	24.38N	122.50E	74	4.4b,4.4b			
ISCJB	X	20 08 49 37.8–.13	24.46N–.01	122.54E–.01	83–1	4.4b,4.4b			
JMA	X	20 08 49 38.4–.10	24.34N	122.50E	75–2	4.4,4.4b			
NEIC	X	20 08 49 38.7–.34	24.48N	122.51E	79–3	5.1L,4.7b			
TAP	X	20 08 49 39.4	24.42N	122.45E	79–0	5.3L,4.7b			
IDC	X	20 08 49 40.1–2.5	24.55N	122.62E	97–22	4.3,4.1			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ23.00000°,λ47.00000°. NP2:ϕ_s177.00000°,δ74.00000°,λ106.00000°. $M_0$3.24000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=156.0.

JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.7km az=112.0. Felt [II] at Taipei. Recorded [2 TAP] in Hualien and Yilan; [1 TAP] in Changhua, Taoyuan and Yunlin.

TAP B.

IDC Error ellipse: s-maj=14.5km s-min=9.3km az=69.0.

(228) Near east coast of eastern Honshu

ISC	X	**20 08 58 09.9–.84**	**36.61N–.03**	**140.60E–.04**	**8–5**	**3.5b**	**31**	**0-147**	
NIED	X	20 08 58 00	36.60N	140.60E	5	3.8W			¶601840496
ISCJB	X	20 08 58 10.0–.64	36.59N–.03	140.69E–.06	16–4	3.5b			
JMA	X	20 08 58 10.7	36.62N	140.61E	3–1	3.7			
IDC	X	20 08 58 17.1–2.8	36.60N	140.40E	60–26	3.6,3.6			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s342.00000°,δ30.00000°,λ-97.00000°. NP2:ϕ_s170.00000°,δ60.00000°,λ-86.00000°. $M_0$5.39000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=24.2.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s344.00000°,δ47.00000°,λ-91.00000°. NP2:ϕ_s166.00000°,δ43.00000°,λ-89.00000°. Principal axes: T Plg2.0000°,Azm75.0000°; N Plg1.0000°,Azm345.0000°; P Plg88.0000° ,Azm228.0000°

IDC Error ellipse: s-maj=24.7km s-min=16.4km az=64.0.

(228) Near east coast of eastern Honshu

ISC	X	**20 09 02 13.2–1.0**	**36.67N–.04**	**140.59E–.04**	**5–7**	**3.5b**	**26**	**0-91**	
NIED	X	20 09 02 00	36.60N	140.60E	5	3.4W			¶606047936
IDC	X	20 09 02 12.0–1.0	36.54N	140.60E	0	3.7,3.5			
ISCJB	X	20 09 02 13.0–.55	36.62N–.03	140.64E–.05	10–3	3.5b,3.5			
JMA	X	20 09 02 13.7	36.63N	140.61E	4–1	3.6,3.5			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ26.00000°,λ-114.00000°. NP2:ϕ_s179.00000°,δ66.00000°,λ-78.00000°. $M_0$1.60000×10^{14}

IDC Error ellipse: s-maj=24.6km s-min=22.0km az=129.0.

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=16.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s164.00000°,δ48.00000°,λ-90.00000°. NP2:ϕ_s344.00000°,δ42.00000°,λ-90.00000°. Principal axes: T Plg3.0000°,Azm254.0000°; N Plg0.0000°,Azm164.0000°; P Plg87.0000° ,Azm74.0000°

(228) Near east coast of eastern Honshu

ISC	X	**20 13 09 25.3–1.1**	**35.84N–.06**	**140.49E–.05**	**26–10**	**3.6b**	**14**	**0-56**	
IDC	X	20 13 09 22.6–3.2	35.39N	140.20E	0	3.7,3.5b			¶606048034
ISCJB	X	20 13 09 25.5–.72	35.88N–.06	140.56E–.09	28–7	3.4b,3.5b			
JMA	X	20 13 09 25.0–.10	35.84N	140.53E	36–1	2.9,3.5b			

ISC Event type ke.

IDC Error ellipse: s-maj=114.9km s-min=24.9km az=57.0.

ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=7.6km az=142.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(186) Vanuatu Islands

ISC	X	**20 23 00 32.9–.36**	**13.57S–.03**	**166.61E–.03**	**44–2**	**6.1s,6.0b**	**1415**	**8-169**	
ISCJB	X	20 23 00 29.8–1.0	13.54S–.02	166.54E–.02	26–7	6.1s,5.9b			¶601874182
BJI	X	20 23 00 30.0	13.56S	166.64E	35	6.3b,6.1s			
MOS	X	20 23 00 30.4–.95	13.53S	166.52E	33	6.1b,6.0s			
NEIC	X	20 23 00 32.5–.11	13.55S	166.56E	36	6.2,6.2W			
NEIC	X	20 23 00 32.0–.00	13.37S	166.49E	40	6.2,6.2W			
IDC	X	20 23 00 33.2–1.5	13.60S	166.64E	50–12	6.0,6.0s			
GCMT	X	20 23 00 35.5–.10	13.52S	166.51E	47–0	6.2W,6.0s			
NEIC	X	20 23 00 55.9–.00	13.33S	166.30E	45	6.2W,6.0s			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=14.5.

MOS Error ellipse: s-maj=6.9km s-min=5.8km az=113.6.

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=146.0. Felt at Sola. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.08 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.55 $M_{r\theta}$-0.45 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.32 Best double couple: NP1:ϕ_s218.00000°,δ32.00000°,λ125.00000°. NP2:ϕ_s358.00000°,δ65.00000°,λ71.00000°. Principal axes: T 2.3100,Plg65.0000° ,Azm234.0000°; N -0.2100,Plg18.0000°,Azm7.0000°; P -2.1000,Plg17.0000°,Azm102.0000° $M_0$2.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s231.00000°,δ48.00000°,λ153.00000°. NP2:ϕ_s340.00000°,δ70.00000°,λ45.00000°. Principal axes: T Plg45.0000°,Azm205.0000°; N Plg0.0000°,Azm0.0000°; P Plg13.0000° ,Azm101.0000°

NEIC Event type se. Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}1.82 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.69 $M_{r\theta}$-0.55 $M_{\theta\phi}$-1.02 $M_{\phi r}$1.84 Best double couple: NP1:ϕ_s360.00000° ,δ68.00000°,λ65.00000°. NP2:ϕ_s230.00000°,δ32.00000°,λ136.00000°. Principal axes: T 2.8900,Plg59.0000°,Azm234.0000°; N -0.1900,Plg22.0000°,Azm9.0000°

; P -2.7000,Plg19.0000°,Azm107.0000° $M_0$2.80000×10^{18}
IDC Error ellipse: s-maj=9.0km s-min=8.8km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c334; s135,c505; Duration: 3s2 Moment tensor: Scale 10^{18}Nm; M_{rr}1.71±.01 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$-1.89±.01; $M_{r\theta}$-0.74±.01; $M_{\theta\phi}$-1.04±.01; $M_{\phi r}$1.62±.02; Best double couple: NP1:ϕ_s354.00000°,δ67.00000°,λ60.00000°. NP2:ϕ_s230.00000°,δ37.00000°,λ140.00000°. Principal axes: T 2.7860,Plg57.0000°,Azm224.0000°; N -0.0860,Plg27.0000°,Azm6.0000°; P -2.6990,Plg17.0000°,Azm106.0000° $M_0$2.74200×10^{18}
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}1.77 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.74 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s231.00000°,δ48.00000°,λ133.00000°. NP2:ϕ_s357.00000°,δ57.00000°,λ53.00000°. Principal axes: T 2.3700,Plg59.0000°,Azm211.0000°; N 0.1700,Plg30.0000°,Azm19.0000°; P -2.5300,Plg5.0000°,Azm112.0000° $M_0$2.50000×10^{18}

(637) Iceland region

ISC	**X**	**21 01 25 22.3–.40**	**66.28N–.02**	**18.71W–.02**	**7–2**	**5.3b,5.1s**	**1443**	**0-169**
IDC	X	21 01 25 20.7–.34	66.26N	18.79W	0	5.0,5.0		¶603370163
MOS	X	21 01 25 20.6–.98	66.29N	18.78W	10	5.3b,5.0s		
ISCJB	X	21 01 25 21.7–.06	66.26N–.01	18.76W–.02	16	5.2b,5.2s		
BJI	X	21 01 25 21.5	66.74N	18.39W	6	5.5b,5.5s		
REY	X	21 01 25 21.2	66.30N	18.71W	11	5.5b,5.5s		
NEIC	X	21 01 25 22.6–.06	66.31N	18.67W	10	5.5W,5.4b		
NEIC	X	21 01 25 23.0–.00	66.23N	19.00W	11	5.5W,5.4b		
GCMT	X	21 01 25 23.0–.10	66.42N–.01	18.74W–.01	12	5.6W,5.4b		
NAO	X	21 01 25 26.2–11	66.53N	18.43W	15–147	5.5L,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=9.0km s-min=8.1km az=7.0.
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=107.4.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.1km az=13.1.
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=194.0. Felt at Akureyri and Siglufjordhur.
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.88 $M_{\theta\theta}$0.03 $M_{\phi\phi}$1.85 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s325.00000°,δ52.00000°,λ-115.00000°. NP2:ϕ_s182.00000°,δ44.00000°,λ-61.00000°. Principal axes: T 2.0500,Plg4.0000°,Azm72.0000°; N 0.1100,Plg19.0000°,Azm340.0000°; P -2.1600,Plg69.0000°,Azm174.0000° $M_0$2.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c128; s126,c357;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.44±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$2.50±.02; $M_{r\theta}$1.22±.11; $M_{\theta\phi}$-0.93±.02; $M_{\phi r}$-0.52±.09; Best double couple: NP1:ϕ_s322.00000°,δ58.00000°,λ-114.00000°. NP2:ϕ_s182.00000°,δ39.00000°,λ-57.00000°. Principal axes: T 2.9520,Plg10.0000°,Azm69.0000°; N 0.0020,Plg20.0000°,Azm335.0000°; P -2.9580,Plg68.0000°,Azm183.0000° $M_0$2.95500×10^{17}
NAO Error ellipse: s-maj=0.5km s-min=1.4km az=-1.0.

(39) Central California

ISC	**X**	**21 06 55 10.8–.67**	**36.30N–.02**	**120.89W–.02**	**11–3**	**5.2b,5.1s**	**1196**	**0-151**
BJI	X	21 06 55 07.6	36.30N	120.90W	9	5.6b,5.4s		¶601839944
NEIC	X	21 06 55 09.0–.00	36.21N	120.98W	11	5.6b,5.4s		
ISCJB	X	21 06 55 09.0–.20	36.26N–.01	120.91W–.01	10–1	5.1b,5.0s		
NEIC	X	21 06 55 09.5–.00	36.31N	120.86W	9	5.4W,5.3W		
IDC	X	21 06 55 09.2–.40	36.31N	120.79W	0	4.9b,4.9		
MOS	X	21 06 55 10.3–1.1	36.33N	120.88W	16	5.4b,5.2s		
GCMT	X	21 06 55 13.5–.10	36.27N–.01	120.89W–.01	12	5.4W,5.2s		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.03 $M_{r\theta}$0.42 $M_{\theta\phi}$0.78 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s65.00000°,δ81.00000°,λ24.00000°. NP2:ϕ_s330.00000°,δ66.00000°,λ170.00000°. Principal axes: T 1.5300,Plg23.0000°,Azm289.0000°; N -0.0600,Plg64.0000°,Azm84.0000°; P -1.4700,Plg9.0000°,Azm195.0000° $M_0$1.50000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Big Sur, Bradley, Coalinga, Friant, Greenfield, Huron, Monterey, Paso Robles, San Jose, San Miguel, Soledad, Stratford, Templeton and Wasco. Felt widely from north of the San Francisco Bay area to Bishop and Ridgecrest and to parts of the Los Angeles area. Also felt at Gardnerville and Reno, Nevada. After NCEDC. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c154; s134,c266;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$1.05±.02; $M_{r\theta}$-0.31±.04; $M_{\theta\phi}$0.89±.02; $M_{\phi r}$0.29±.04; Best double couple: NP1:ϕ_s154.00000°,δ87.00000°,λ-165.00000°. NP2:ϕ_s64.00000°,δ75.00000°,λ-3.00000°. Principal axes: T 1.3860,Plg8.0000°,Azm288.0000°; N 0.1950,Plg75.0000°,Azm166.0000°; P -1.5790,Plg13.0000°,Azm20.0000° $M_0$1.48300×10^{17}

(39) Central California

ISC	**X**	**21 07 37 47.6–.93**	**36.29N–.02**	**120.86W–.02**	**13–6**		**129**	**0-69**
IDC	X	21 07 37 46.9–2.0	36.27N	120.82W	0	3.5,3.5		¶601999134
ISCJB	X	21 07 37 47.1–.21	36.27N–.02	120.93W–.03	15–2	4.4s,3.4b		
NEIC	X	21 07 37 47.4–.00	36.31N	120.85W	10	3.6W,3.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=18.0km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=146.9.
NEIC Event type fe. Felt [IV] at King City; [III] at Clovis and Lindsay; [II] at Fresno, Los Osos and Nipomo. After NCEDC. Moment Tensor Solution. $M_0$2.90000×10^{14}

(135) Near coast of central Chile

ISC	**X**	**21 11 40 37.9–.44**	**37.59S–.04**	**73.41W–.09**	**23**	**4.6b**	**102**	**1-175**
IDC	X	21 11 40 34.2–.62	37.61S	73.43W	0	4.4,4.4L		¶601839954
ISCJB	X	21 11 40 36.5–.30	37.60S–.03	73.45W–.07	23	4.5b,3.4s		
GUC	X	21 11 40 36.2–.51	37.66S	73.73W	15–9	4.5L,3.4s		
NEIC	X	21 11 40 36.0–.00	37.66S	73.72W	15	4.5L,4.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=14.1km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=172.6.
GUC Error ellipse: s-maj=1.7km s-min=9.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Curanilahue, Puren and Renaico; [III] at Angol, Arauco, Collipulli, Concepcion, Coronel, Lebu, Los Alamos and Talcahuano; [II] at Carahue. After GUC.

(662) Sakhalin Island

ISC	**X**	**21 11 57 28.6–.57**	**53.49N–.03**	**142.69E–.02**	**15–3**	**4.9b,4.7s**	**1108**	**0-156**
MOS	X	21 11 57 25.4–.88	53.41N	142.70E	8	5.0b,4.6s		¶601839955
BJI	X	21 11 57 26.4	53.60N	142.49E	10	5.4s,5.1		
SKHL	X	21 11 57 26.0–.80	53.36N	142.56E	10	5.3b,5.1s		
IDC	X	21 11 57 26.0–.39	53.47N	142.75E	0	4.6,4.6		
GCMT	X	21 11 57 26.9–.20	53.52N–.01	142.48E–.02	12	5.0W,4.6		
ISCJB	X	21 11 57 26.0–.08	53.43N–.02	142.69E–.02	12	4.8b,4.6s		
NEIC	X	21 11 57 28.9–1.1	53.46N	142.66E	17–7	4.9b,4.6s		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=3.5km az=93.2. Felt (V) at Moskal'vo; (IV-V) at Laguri; (IV) at Vostochnyi, Nekrasovka, Tungor, Okha; (III) at Nikolaevsk-na-Amure; (II) at Mago. Moment Tensor Solution.
SKHL Event type fe. Felt (III) at Vostochnyy, (II-III) at Nikolayevsk-na-Amure, (II) at Mago. Felt (V-VI) at Moskal'vo, (IV-V) at Laguri, (IV) at Okha, Tungor, Nekrasovka.
IDC Error ellipse: s-maj=10.4km s-min=8.6km az=140.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c79; s96,c159;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.08 $M_{\theta\theta}$-0.99±.08; $M_{\phi\phi}$-2.37±.08; $M_{r\theta}$-0.88±.24; $M_{\theta\phi}$1.96±.07; $M_{\phi r}$-0.66±.25; Best double couple: NP1:ϕ_s162.00000°,δ48.00000°,λ115.00000°. NP2:ϕ_s307.00000°,δ48.00000°,λ65.00000°. Principal axes: T 3.7170,Plg72.0000°,Azm144.0000°; N 0.0340,Plg18.0000°,Azm325.0000°; P -3.7570,Plg0.0000°,Azm235.0000° $M_0$3.73700×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=150.6.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=159.0.

(77) Off coast of Costa Rica

ISC	**X**	**21 13 31 59.6–1.2**	**9.97N–.06**	**85.66W–.04**	**27–8**	**4.3b,3.4s**	**150**	**0-151**
IDC	X	21 13 31 56.4–5.7	10.31N	84.06W	33–39	4.2,4.0		¶601840545
NEIC	X	21 13 31 57.5–.69	9.95N	85.66W	10	4.4b,4.0		
UCR	X	21 13 31 58.8–1.8	9.93N	85.68W	10–6	4.4b,4.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=53.8km s-min=39.8km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.3km az=193.0. Felt at Liberia and Samara.
UCR Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.

(662) Sakhalin Island

ISC	**X**	**21 14 09 20.8–.99**	**53.36N–.03**	**142.69E–.03**	**20–4**	**4.0b**	**87**	**0-85**
ISCJB	X	21 14 09 15.9–.82	53.42N–.03	142.72E–.05	1–5	4.0b,3.1s		¶601839958
MOS	X	21 14 09 16.9–1.1	53.43N	142.72E	9	4.1b,3.1s		
SKHL	X	21 14 09 17.9–.50	53.35N	142.60E	10	5.1b,4.6s		
IDC	X	21 14 09 17.7–.57	53.45N	142.71E	0	3.9,3.9		
NEIC	X	21 14 09 19.4–2.0	53.39N	142.63E	11–13	4.4b,3.9		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=31.2.
MOS Event type fe. Error ellipse: s-maj=14.1km s-min=8.2km az=81.3. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Tungor.
IDC Error ellipse: s-maj=14.3km s-min=12.0km az=134.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=154.0.

(88) Dominican Republic region

ISC	**X**	**21 15 07 31.6–.38**	**19.53N–.04**	**69.81W–.05**	**24**	**4.3b**	**139**	**1-158**
NEIC	X	21 15 07 29.8–.17	19.54N	69.84W	10	4.4b		¶601839959
ISCJB	X	21 15 07 30.0–.18	19.56N–.03	69.81W–.03	24	4.2b,3.5s		
IDC	X	21 15 07 35.0–3.1	19.52N	69.88W	50–30	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=218.0. Felt [II] at Santiago. Also felt at Cabrera, Fantino, La Lomota, Moca, Monte Llano, Nagua, Puerto Plata and Santo Domingo.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=31.9.
IDC Error ellipse: s-maj=18.6km s-min=12.6km az=28.0.

(249) Luzon

ISC	**X**	**21 15 33 15.7–1.2**	**15.78N–.03**	**121.01E–.04**	**8–9**	**3.9b**	**42**	**0-86**
MAN	X	21 15 33 15.8	15.86N	120.98E	3	4.9b,3.8L		¶601874188
NEIC	X	21 15 33 15.4–1.0	15.75N	121.27E	10	4.0b,3.8L		
ISCJB	X	21 15 33 16.1–.71	15.89N–.03	121.01E–.03	13–5	3.8b,3.2s		
IDC	X	21 15 33 18.4–7.8	15.25N	119.57E	33–59	3.8,3.8		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=32.6km s-min=9.0km az=107.0. Felt [II PIVS] at Baguio City and Palayan City; [I PIVS] at Quezon City.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.5km az=140.2.
IDC Error ellipse: s-maj=66.6km s-min=24.1km az=78.0.

(662) Sakhalin Island

ISC	**X**	**21 15 53 23.4–.59**	**53.38N–.04**	**142.65E–.04**	**10**	**3.6b**	**32**	**0-77**
MOS	X	21 15 53 19.4–1.9	53.28N	142.58E	9	4.2b		¶601999183
ISCJB	X	21 15 53 20.7–.53	53.44N–.04	142.65E–.05	10	3.5b		
SKHL	X	21 15 53 21.5–.10	53.41N	142.57E	10	4.4b		
IDC	X	21 15 53 21.6–.98	53.39N	142.75E	0	3.7,3.6		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=23.4km s-min=11.3km az=80.0. Felt (II) at Okha, Moskal'vo. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=2.8.
SKHL Event type fe. Felt (II) at Okha, Moskal'vo.
IDC Error ellipse: s-maj=25.3km s-min=21.0km az=146.0.

(351) Eastern Arabian Peninsula

ISC	**X**	**21 16 13 21.8–.68**	**25.31N–.02**	**56.21E–.04**	**13–4**	**4.1b,3.1s**	**85**	**0-90**
DSN	X	21 16 13 19.9–.70	25.36N	56.29E	5	3.8L,3.1s		¶601839962
IDC	X	21 16 13 19.7–.81	25.22N	56.14E	0	4.1,4.1L		
ISCJB	X	21 16 13 20.3–.46	25.36N–.02	56.24E–.04	9–3	4.1b,3.2s		
OMAN	X	21 16 13 20.7–.08	25.36N	56.25E	4	4.1b,3.2s		
THR	X	21 16 13 21.2–.30	25.30N	56.25E	17–2	3.7L,3.2s		
NEIC	X	21 16 13 22.9–.84	25.11N	56.14E	25–7	4.5b,3.2s		

ISC Event type fe.
DSN Error ellipse: s-maj=6.4km s-min=3.7km az=76.0.
IDC Error ellipse: s-maj=19.8km s-min=14.8km az=9.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.4km az=10.6.
OMAN Error ellipse: s-maj=1.3km s-min=0.7km az=252.0.
THR Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.9km az=176.0. Felt at Al Fujayrah, United Arab Emirates and at Madha, Oman.

(76) Off coast of central America

ISC	**X**	**21 20 28 18.1–.39**	**12.69N–.04**	**88.21W–.03**	**51–3**	**5.4b,4.8s**	**1299**	**1-166**
BJI	X	21 20 28 15.0	12.60N	88.30W	36	5.5s,5.3b		¶601841785
UCR	X	21 20 28 17.5–1.4	12.56N	88.34W	39–117	5.5b,5.1L		
NEIC	X	21 20 28 17.0–.00	12.56N	88.34W	36	5.5b,5.4W		
ISCJB	X	21 20 28 18.1–.21	12.63N–.02	88.24W–.01	67–1	5.2b,5.4W		
IDC	X	21 20 28 18.3–.56	12.86N	87.89W	52–4	5.0,4.9		
MOS	X	21 20 28 19.9–1.1	12.81N	87.99W	79	5.4b,4.6s		
GCMT	X	21 20 28 20.0–.10	12.49N–.01	88.54W–.01	44–0	5.5W,4.6s		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Salvador. Also felt at Ayutuxtepeque, San Cristobal, San Luis and San Luis La Herradura. Felt at Ciudad Sandino and Santa Ana, Nicaragua. After SNET. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}1.28 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.06 $M_{\theta\phi}$0.71 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s120.00000°,δ47.00000°,λ91.00000°. NP2:ϕ_s298.00000°,δ43.00000°,λ89.00000°. Principal axes: T 1.2800,Plg88.0000°,Azm62.0000°; N 0.2000,Plg1.0000°,Azm299.0000°; P -1.4800,Plg2.0000°,Azm209.0000° $M_0$1.40000×10^{17}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c227; s123,c211;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.03 $M_{\theta\theta}$-1.55±.02; $M_{\phi\phi}$-0.34±.02; $M_{r\theta}$0.37±.02; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.29±.02; Best double couple: NP1:ϕ_s120.00000°,δ52.00000°,λ94.00000°. NP2:ϕ_s294.00000°,δ38.00000°,λ85.00000°. Principal axes: T 1.9590,Plg83.0000°,Azm50.0000°; N 0.0720,Plg3.0000°,Azm298.0000°; P -2.0270,Plg7.0000°,Azm207.0000° $M_0$1.99300×10^{17}

(36) Northern California

ISC	**X**	**21 20 40 07.9–1.1**	**40.93N–.03**	**123.93W–.05**	**26–7**		**37**	**0-5**
ISCJB	X	21 20 40 07.5–.61	40.90N–.03	123.95W–.05	31–6			¶601999208
NEIC	X	21 20 40 08.4–.00	40.90N	123.93W	22	3.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=1.6.
NEIC Event type fe. Felt [III] at Arcata, Bayside, Eureka and Samoa; [II] at McKinleyville and Trinidad. Also felt at Blue Lake, Burnt Ranch, Ferndale, Hoopa, Salyer and Willow Creek. After NCEDC. Moment Tensor Solution. $M_0$2.70000×10^{14}

(76) Off coast of central America

ISC	**X**	**21 20 44 15.3–.52**	**12.65N–.04**	**88.29W–.04**	**54–4**	**5.1b**	**902**	**1-149**
BJI	X	21 20 44 13.0	12.60N	88.30W	38	5.3b,5.2s		¶602000677
ISCJB	X	21 20 44 15.2–.23	12.64N–.02	88.26W–.02	66–1	5.0b,5.2s		
NEIC	X	21 20 44 15.0–.00	12.59N	88.33W	38	5.3,5.1b		
UCR	X	21 20 44 15.7–2.0	12.67N	88.33W	54–30	5.1L,5.1b		
IDC	X	21 20 44 15.4–.66	12.89N	87.93W	50–5	4.8,4.7		
GCMT	X	21 20 44 18.0–.40	12.57N–.02	88.47W–.03	44–0	5.0W,4.7		
MOS	X	21 20 44 19.9–.87	12.74N	88.08W	61	5.0b,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=35.9.
NEIC Event type fe. Felt [IV] at San Salvador. After SNET.
UCR Error ellipse: s-maj=9.8km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=9.3km az=49.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c41; s61,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.14±.21 $M_{\theta\theta}$-3.02±.13; $M_{\phi\phi}$-1.12±.15; $M_{r\theta}$0.75±.09; $M_{\theta\phi}$2.34±.13; $M_{\phi r}$-0.37±.09; Best double couple: NP1:ϕ_s122.00000°,δ50.00000°,λ88.00000°. NP2:ϕ_s306.00000°,δ40.00000°,λ92.00000°. Principal axes: T 4.2210,Plg84.0000°,Azm17.0000°; N 0.4530,Plg2.0000°,Azm124.0000°; P -4.6730,Plg5.0000°,Azm214.0000° $M_0$4.44700×10^{16}
MOS Error ellipse: s-maj=13.1km s-min=5.1km az=110.4.

(460) Wyoming

ISC	**X**	**21 23 08 06.2–.81**	**43.85N–.04**	**105.29W–.04**	**0**		**22**	**1-15**
ISCJB	X	21 23 08 04.4–.49	43.85N–.03	105.18W–.05	0			¶601999218
IDC	X	21 23 08 05.7–1.5	43.77N	105.45W	0	3.6,3.3		
NEIC	X	21 23 08 06.7–.62	43.91N	105.31W	0	2.9L,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=4.2km az=144.4.
IDC Error ellipse: s-maj=39.4km s-min=8.9km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=11.1km s-min=7.0km az=159.0. 46 km [28 miles] SSE of Gillette. Suspected Mining explosion.

(662) Sakhalin Island

ISC	**X**	**22 00 58 26.5–.68**	**53.35N–.05**	**142.72E–.04**	**12**	**3.5b**	**22**	**0-65**
IDC	X	22 00 58 22.9–3.0	52.98N	142.91E	0	3.8,3.6		¶601999226

ISCJB X 22 00 58 24.5–.63 53.37N–.04 142.65E–.05 12 3.6b,3.6
MOS X 22 00 58 24.9–1.3 53.32N 142.72E 9 4.0b,3.6
SKHL X 22 00 58 25.0–.40 53.32N 142.65E 10 4.5b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=83.3km s-min=23.9km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=173.0.
MOS Event type fe. Error ellipse: s-maj=30.7km s-min=18.3km az=77.3. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Tungor.

(228) Near east coast of eastern Honshu

ISC X 22 01 43 17.4–.56 39.19N–.03 142.44E–.04 41–4 4.8b,4.0s 829 1-159
NIED X 22 01 43 00 39.20N 142.40E 32 4.6W,4.0s **¶601842527**
MOS X 22 01 43 16.7–.82 39.40N 142.31E 35 5.0b,4.0s
BJI X 22 01 43 16.8 39.09N 142.54E 68 4.9b,4.9b
JMA X 22 01 43 16.0–.10 39.20N 142.41E 33–1 4.8,4.9b
ISCJB X 22 01 43 17.1–.38 39.20N–.02 142.30E–.02 45–3 4.7b,4.0s
IDC X 22 01 43 20.0–1.8 39.16N 142.34E 63–16 4.5,4.3
NEIC X 22 01 43 21.2–.41 39.13N 142.22E 71–3 4.8b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ16.00000°,λ-134.00000°. NP2:ϕ_s170.00000°,δ79.00000°,λ-79.00000°. $M_0$8.32000×10^{15}
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=99.6.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=149.8.
IDC Error ellipse: s-maj=11.7km s-min=9.8km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=151.0. Recorded [3 JMA] in Iwate and Miyagi.

(228) Near east coast of eastern Honshu

ISC X 22 09 27 07.9–.53 37.99N–.04 142.08E–.05 42–4 4.5b,3.5s 197 1-146
NIED X 22 09 27 00 38.00N 141.90E 53 4.5W,3.5s **¶601842532**
BJI X 22 09 27 05.6 37.92N 142.23E 54 4.8b,4.8b
MOS X 22 09 27 07.4–.97 38.08N 141.96E 52 4.6b,4.8b
ISCJB X 22 09 27 08.1–.47 38.03N–.02 141.92E–.04 56–3 4.5b,3.5s
JMA X 22 09 27 09.2–.10 38.03N 141.83E 50–1 4.5,3.5s
NEIC X 22 09 27 11.0–.47 38.02N 141.84E 66–4 4.6b,3.5s
IDC X 22 09 27 11.5–1.9 38.01N 141.79E 70–17 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ54.00000°,λ135.00000°. NP2:ϕ_s7.00000°,δ55.00000°,λ46.00000°. $M_0$6.26000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=6.0km az=105.4.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=18.3.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=103.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=14.4km s-min=11.0km az=87.0.

(221) Kuril Islands

ISC X 22 11 58 24.0–.42 50.02N–.05 157.08E–.04 48–3 4.9b,3.8s 837 1-150
KRSC X 22 11 58 19.7–1.8 49.89N 157.23E 48–26 5.3L,3.8s **¶601841792**
BJI X 22 11 58 21.2 50.29N 157.16E 44 4.9b,4.8b
MOS X 22 11 58 23.9–.88 50.11N 156.88E 57 5.0b,4.8b
ISCJB X 22 11 58 24.1–.41 50.07N–.03 156.98E–.03 61–3 4.8b,4.8b
NEIC X 22 11 58 26.2–.38 50.14N 156.83E 62–3 4.8b,4.8b
IDC X 22 11 58 27.5–1.6 50.16N 156.81E 75–14 4.6,4.4
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=2.9km az=83.8. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=158.0.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=135.0.

(662) Sakhalin Island

SKHL X 22 12 04 44.1–.40 53.34N 142.63E 9–1 4.1b
MOS X 22 12 04 44.2–2.0 53.40N 142.52E 8 4.1b **¶603750338**
SKHL Event type fe. Felt (II) at Okha, Moskal'vo.
MOS Event type fe. Error ellipse: s-maj=46.4km s-min=20.1km az=74.7. Felt (II) at Okha, Moskal'vo. Moment Tensor Solution.

(110) Peru-Ecuador border region

ISC X 22 12 56 23.0–1.5 2.86S–.04 77.82W–.04 5–10 4.2b 131 1-141
ISCJB X 22 12 56 24.0–1.6 2.95S–.05 77.77W–.04 15–12 4.0b,3.2s **¶601999275**
IDC X 22 12 56 26.2–1.2 3.17S 77.64W 0 3.9,3.9L
NEIC X 22 12 56 28.3–1.2 3.13S 77.56W 21–8 4.4,4.4b
IGQ X 22 12 56 30.3–.62 3S–4.0 78W–4.0 12 4.5,4.5
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Macas, Ecuador.

(233) Near south coast of western Honshu

ISC X 22 16 56 07.2–1.2 34.11N–.04 135.16E–.03 1–11 21 0-54
NIED X 22 16 56 00 34.20N 135.20E 5 3.4W **¶601999293**
ISCJB X 22 16 56 07.3–.53 34.13N–.03 135.13E–.03 9–5 3.7b
JMA X 22 16 56 07.7 34.15N 135.14E 6–1 3.4
IDC X 22 16 56 07.1–1.6 33.99N 135.24E 0 3.6b,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ37.00000°,λ68.00000°. NP2:ϕ_s206.00000°,δ56.00000°,λ106.00000°. $M_0$1.19000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=178.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s196.00000°,δ50.00000°,λ102.00000°. NP2:ϕ_s358.00000°,δ42.00000°,λ76.00000°. Principal axes: T Plg80.0000°,Azm164.0000°; N Plg9.0000°,Azm9.0000°; P Plg4.0000°,Azm278.0000°
IDC Error ellipse: s-maj=29.0km s-min=16.4km az=149.0.

(228) Near east coast of eastern Honshu

ISC X 22 20 20 26.0–.92 35.59N–.05 140.05E–.07 75–7 3.9b 27 0-75
ISCJB X 22 20 20 24.8–.56 35.56N–.05 140.05E–.07 82–4 3.6b **¶601999306**
IDC X 22 20 20 24.3–4.1 35.60N 140.30E 67–30 3.8,3.6
JMA X 22 20 20 25.3–.20 35.69N 140.04E 68–2 3.3,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.1km az=147.6.
IDC Error ellipse: s-maj=53.5km s-min=7.3km az=66.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(662) Sakhalin Island

ISC X 23 00 11 56.6–.96 53.32N–.04 142.75E–.04 16–8 21 0-60
MOS X 23 00 11 52.9–2.4 53.36N 142.49E 12 4.3b **¶603750339**
SKHL X 23 00 11 54.2–.20 53.34N 142.66E 10 4.4b
IDC X 23 00 12 38.0–1.8 56.18N 131.89E 0 3.5,3.3
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=24.5km s-min=14.6km az=83.3. Felt (II) at Okha, Moskal'vo. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Moskal'vo.
IDC Error ellipse: s-maj=39.8km s-min=34.4km az=125.0.

(229) Off east coast of Honshu

ISC X 23 00 37 08.0–.53 39.65N–.04 143.28E–.04 26–3 4.9b,4.4s 442 1-146
NIED X 23 00 37 00 39.60N 143.30E 17 4.6W,4.4s **¶601842106**
JMA X 23 00 37 05.6–.10 39.64N 143.33E 22–3 4.8,4.4s
ISCJB X 23 00 37 07.1–.86 39.64N–.03 143.22E–.03 27–5 4.8b,4.4s
BJI X 23 00 37 08.7 39.63N 143.04E 45 5.0b,5.0b
MOS X 23 00 37 09.7–.83 39.80N 143.02E 38 5.2b,4.2s
IDC X 23 00 37 10.6–1.6 39.70N 143.26E 44–13 4.6,4.4
NEIC X 23 00 37 11.8–.74 39.63N 143.05E 52–6 4.7b,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ20.00000°,λ88.00000°. NP2:ϕ_s24.00000°,δ70.00000°,λ91.00000°. $M_0$1.05000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=41.7.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=114.9.
IDC Error ellipse: s-maj=15.1km s-min=9.4km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.1km az=131.0. Recorded [1 JMA] in Iwate and Miyagi.

(35) Near coast of northern California

ISC X 23 07 45 51.1–1.5 40.32N–.03 124.71W–.08 20–5 81 0-12
ISCJB X 23 07 45 50.6–.79 40.32N–.02 124.71W–.06 28–5 **¶601845997**
NEIC X 23 07 45 52.1–.00 40.30N 124.53W 9 3.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.5km az=173.9.
NEIC Event type fe. Felt at Eureka. After NCEDC. Moment Tensor Solution. $M_0$4.30000×10^{14}

(212) Bonin Islands region

ISC X 23 08 53 38.8–.24 29.07N–.02 139.28E–.03 446–2 5.8b 2169 3-172
NIED X 23 08 53 00 29.00N 139.70E 460 5.8W **¶601842550**
JMA X 23 08 53 36.1–.20 28.98N 139.68E 468–3 5.9
MOS X 23 08 53 37.2–.69 29.04N 139.27E 438 5.7b
ISCJB X 23 08 53 38.6–.19 29.04N–.01 139.27E–.01 451–1 5.7b
BJI X 23 08 53 38.0 29.03N 139.21E 444 6.1b,5.9b
NEIC X 23 08 53 38.0–.00 29.16N 139.38E 460 6.1b,5.9b
NEIC X 23 08 53 38.2–.06 29.06N 139.25E 436 6.0W,6.0b
IDC X 23 08 53 39.0–.45 29.06N 139.29E 443–4 6.0,5.3
GCMT X 23 08 53 40.2–.10 29.07N–.01 139.19E–.01 443–0 5.9W,5.3
NEIC X 23 08 53 51.5–.00 29.00N 139.45E 441 5.9W,5.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ39.00000°,λ-164.00000°. NP2:ϕ_s322.00000°,δ80.00000°,λ-52.00000°. $M_0$5.65000×10^{17}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=106.7.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=159.8.
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$3.76 $M_{\phi\phi}$-2.83 $M_{r\theta}$2.68 $M_{\theta\phi}$-2.61 $M_{\phi r}$-6.57 Best double couple: NP1:ϕ_s333.00000°,δ86.00000°,λ-59.00000°. NP2:ϕ_s69.00000°,δ31.00000°,λ-173.00000°. Principal axes: T 8.0200,Plg34.0000°,Azm37.0000°; N 0.5000,Plg30.0000°,Azm150.0000°; P -8.5200,Plg40.0000°,Azm271.0000° $M_0$8.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=139.0. Recorded [2 JMA] in the Chichijima-retto and Hahajima-retto. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1: ϕ_s336.00000°,δ87.00000°,λ-66.00000°. NP2:ϕ_s72.00000°,δ24.00000°,λ-173.00000°. Principal axes: T 1.0700,Plg38.0000°,Azm44.0000°; N -0.0500,Plg24.0000°,Azm154.0000°; P -1.0200,Plg43.0000°,Azm269.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s74.00000°,δ30.00000°,λ-170.00000°. NP2: ϕ_s335.00000°,δ85.00000°,λ-60.00000°. Principal axes: T Plg33.0000°,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg42.0000°,Azm274.0000°
IDC Error ellipse: s-maj=7.2km s-min=4.7km az=88.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s134,c277; s98,c118;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$-0.33±.01; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$-0.78±.01; Best double couple: NP1:ϕ_s332.00000°,δ86.00000°,λ-60.00000°. NP2:ϕ_s68.00000°,δ30.00000°,λ-172.00000°. Principal axes: T 0.9730,Plg34.0000°,Azm36.0000°; N 0.0470,Plg30.0000°,Azm149.0000°; P -1.0200,Plg41.0000°,Azm269.0000° $M_0$0.99700×10^{18}
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-3.21 $M_{r\theta}$3.66 $M_{\theta\phi}$-2.83 $M_{\phi r}$-6.94 Best double couple: NP1:ϕ_s330.00000°,δ86.00000°,λ-59.00000°. NP2:ϕ_s67.00000°,δ31.00000°,λ-172.00000°. Principal axes: T 9.2300,Plg34.0000°,Azm34.0000°; N -0.0200,Plg31.0000°,Azm147.0000°; P -9.2100,Plg41.0000°,Azm268.0000° $M_0$9.20000×10^{17}

(224) Hokkaido region

ISC X 23 09 14 17.5–1.2 41.17N–.04 142.51E–.04 14–8 3.7b 35 1-61
ISCJB X 23 09 14 18.9–.70 41.19N–.03 142.51E–.05 20–5 3.6b **¶601999351**
JMA X 23 09 14 18.6–.20 41.16N 142.55E 24–4 3.8
IDC X 23 09 14 23.4–2.5 41.16N 142.40E 63–24 3.8L,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=42.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=34.5km s-min=15.1km az=109.0.

(227) Eastern Honshu

ISC X 23 09 18 34.9–.89 36.11N–.04 140.00E–.06 73–7 3.8b 26 0-60
ISCJB X 23 09 18 33.9–.58 36.11N–.04 140.02E–.07 81–4 3.8b **¶601999352**
JMA X 23 09 18 35.5–.10 36.12N 139.98E 68–1 3.2
IDC X 23 09 18 36.0–2.2 36.07N 139.91E 84–17 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.4km az=3.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s0.00000°,δ63.00000°,λ87.00000°. NP2: ϕ_s187.00000°,δ27.00000°,λ96.00000°. Principal axes: T Plg72.0000°,Azm262.0000°; N Plg3.0000°,Azm1.0000°; P Plg18.0000°,Azm92.0000°
IDC Error ellipse: s-maj=36.1km s-min=11.4km az=70.0.

(662) Sakhalin Island

ISC X 23 09 49 23.7–.71 53.31N–.04 142.86E–.07 12 19 0-46
ISCJB X 23 09 49 21.1–.54 53.36N–.04 143.1E–.10 12 4.0b **¶603750340**
MOS X 23 09 49 21.0–1.0 53.32N 143.07E 12 4.4b
SKHL X 23 09 49 21.8–.10 53.34N 142.63E 10 4.3b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.7km az=178.8.
MOS Event type fe. Error ellipse: s-maj=19.8km s-min=9.8km az=87.6. Felt (II) at Okha. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha.

(122) Near coast of northern Chile

ISC X 23 10 45 20.6–.42 25.78S–.03 70.74W–.07 31–2 5.1b 866 1-178
ISCJB X 23 10 45 17.6–1.2 25.74S–.02 70.63W–.05 26–8 5.0b,3.9s **¶601843419**
MOS X 23 10 45 18.1–1.3 25.77S 70.79W 22 5.2b,3.9s
GUC X 23 10 45 18.5–.43 25.77S 70.96W 51–10 5.1L,3.9s
NEIC X 23 10 45 20.7–.10 25.77S 70.55W 32 5.1L,5.1b
IDC X 23 10 45 21.3–.46 25.82S 70.58W 34–3 4.7,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=2.9km az=0.4.
MOS Error ellipse: s-maj=13.1km s-min=5.8km az=97.4.
GUC Error ellipse: s-maj=1.1km s-min=9.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.3km az=80.0. Felt [IV] at Chanaral; [III] at Copiapo, Diego de Almagro, Taltal and Tierra Amarilla; [II] at Caldera.
IDC Error ellipse: s-maj=17.1km s-min=12.2km az=83.0.

(337) Eastern Caucasus

ISC X 23 16 17 56.5–.73 42.06N–.02 47.71E–.02 23–5 4.1b,3.3s 273 0-80
AZER X 23 16 17 52.3–.02 42.13N 47.71E 9 4.0L,3.3s **¶601843608**
MOS X 23 16 17 54.9–1.1 42.06N 47.82E 17 4.2b,3.3s
MOS X 23 16 17 54.9–.00 42.00N 47.63E 9–0 4.8,3.3s
IDC X 23 16 17 55.5–3.9 41.97N 47.64E 17–26 4.1,4.1
TIF X 23 16 17 55.7 42.00N 47.65E 25–2 4.1,4.1
ISCJB X 23 16 17 56.4–.29 42.12N–.02 47.85E–.02 23–2 4.2b,3.3s
DRS X 23 16 17 56.3–.00 41.99N 47.62E 14 4.2b,3.3s
NEIC X 23 16 17 58.2–.79 42.05N 47.70E 39–10 4.1b,3.3s
NNC X 23 16 18 03.5–2.7 42.32N 48.23E 38–20 4.1b,4.0
ISC Event type se.
AZER Error ellipse: s-maj=0.5km s-min=0.3km az=18.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=116.0. Felt (IV) at Madzhalis, Kubachi; (II-III) at Derbent. Moment Tensor Solution.
MOS Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=5.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.1km az=40.6.
DRS Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=184.0.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=10.9km az=77.0.

(228) Near east coast of eastern Honshu

JMA X 23 17 16 34.9 38.41N 141.78E 55–1 3.7 ¶606049776
JMA Event type fe.

(460) Wyoming

ISC X 23 18 06 54.5–1.1 43.77N–.08 105.25W–.08 0 17 1-14
ISCJB X 23 18 06 52.6–.50 43.78N–.05 105.24W–.06 0 **¶601999396**
NEIC X 23 18 06 54.5–.46 43.75N 105.27W 0 3.3L
IDC X 23 18 06 54.6–1.8 43.83N 105.56W 0 3.8,3.5
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.8km s-min=6.5km az=170.1.
NEIC Event type fm. Error ellipse: s-maj=7.4km s-min=6.3km az=166.0. 63 km [39 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=62.5km s-min=9.6km az=150.0.

(228) Near east coast of eastern Honshu

ISC X 23 21 55 16.3–.45 38.77N–.04 142.35E–.06 39–2 4.7b,3.8s 321 1-145
NIED X 23 21 55 00 38.70N 142.30E 41 4.5W,3.8s **¶601843999**

BJI	X	23 21 55 12.4	38.55N	142.67E	44	5.1b,4.7b			
MOS	X	23 21 55 15.9–.90	38.92N	142.20E	38	4.9b,4.7b			
JMA	X	23 21 55 15.6–.10	38.74N	142.34E	38–2	4.5,4.7b			
ISCJB	X	23 21 55 15.3–.52	38.74N–.03	142.34E–.04	42–3	4.6b,3.8s			
IDC	X	23 21 55 17.6–1.4	38.74N	142.19E	47–13	4.5,4.3			
NEIC	X	23 21 55 18.6–.63	38.75N	142.29E	58–5	4.7b,4.3			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ23.00000°,λ70.00000°. NP2:ϕ_s33.00000°,δ69.00000°,λ98.00000°. $M_0$7.04000×10^{15}

MOS Error ellipse: s-maj=7.7km s-min=4.7km az=108.7.

JMA Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.6km az=33.8.

IDC Error ellipse: s-maj=14.3km s-min=8.4km az=116.0.

NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.4km az=127.0. Recorded [1 JMA] in Iwate and Miyagi.

(78) Costa Rica

ISC	**X**	**24 00 45 33.8–.39**	**10.08N–.03**	**85.37W–.02**	**22–2**	**6.4s,5.9b**	**2242**	**0-171**
ISCJB	X	24 00 45 31.4–.11	10.08N–.02	85.27W–.01	19	6.3s,5.8b		**¶601844006**
IDC	X	24 00 45 31.5–.38	10.41N	85.15W	0	6.3,6.3s		
UCR	X	24 00 45 31.5–2.1	9.78N	85.53W	0–13	6.0b,5.1L		
NEIC	X	24 00 45 33.0–.10	10.09N	85.30W	17	6.6,6.5W		
MOS	X	24 00 45 32.0–.91	10.17N	85.19W	22	6.3s,5.8b		
BJI	X	24 00 45 33.6	10.06N	85.41W	24	6.7,6.7s		
NEIC	X	24 00 45 36.0–.00	10.02N	85.35W	19	6.7,6.7s		
GCMT	X	24 00 45 39.0–.10	9.71N	85.60W	22–0	6.4W,6.7s		
NEIC	X	24 00 45 48.7–.00	10.18N	84.98W	10	6.4W,6.7s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=35.5.

IDC Error ellipse: s-maj=15.7km s-min=9.1km az=52.0.

UCR Error ellipse: s-maj=7.1km s-min=5.7km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=219.0. Felt [V] at Grecia and Nicoya; [IV] at Alajuela, Santa Ana, Santa Cruz, Sardinal and Tres Rios; [III] at Escazu and Nandayure. Felt in much of central and western Costa Rica and as far as Managua, Nicaragua and Potrerillos Arriba, Panama. Depth from synthetics of broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s115 Moment tensor: Scale 10^{18} Nm; M_{rr}2.49 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$-0.66 $M_{r\theta}$2.53 $M_{\theta\phi}$2.60 $M_{\phi r}$-1.10 Best double couple: NP1: ϕ_s114.00000°,δ67.00000°,λ73.00000°. NP2:ϕ_s331.00000°,δ28.00000°,λ124.00000°. Principal axes: T 3.6600,Plg64.0000°,Azm356.0000°; N 1.2300,Plg15.0000°,Azm121.0000° ; P -4.8900,Plg20.0000°,Azm216.0000° $M_0$4.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s125.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm35.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000°

MOS Error ellipse: s-maj=5.8km s-min=3.7km az=101.0.

NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}3.52 $M_{\theta\theta}$-2.60 $M_{\phi\phi}$-0.92 $M_{r\theta}$5.45 $M_{\theta\phi}$1.72 $M_{\phi r}$-1.70 Best double couple: NP1:ϕ_s110.00000° ,δ74.00000°,λ83.00000°. NP2:ϕ_s314.00000°,δ17.00000°,λ113.00000°. Principal axes: T 6.7600,Plg60.0000°,Azm9.0000°; N -0.0300,Plg6.0000°,Azm111.0000° ; P -6.7400,Plg28.0000°,Azm205.0000° $M_0$6.80000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c337; s147,c587; Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}3.77±.02 $M_{\theta\theta}$-3.06±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$2.93±.04; $M_{\theta\phi}$1.76±.01; $M_{\phi r}$-2.06±.04; Best double couple: NP1:ϕ_s123.00000°,δ66.00000° ,λ94.00000°. NP2:ϕ_s293.00000°,δ24.00000°,λ81.00000°. Principal axes: T 5.1840,Plg68.0000°,Azm41.0000°; N 0.2010,Plg4.0000°,Azm301.0000° ; P -5.3870,Plg21.0000°,Azm210.0000° $M_0$5.28600×10^{18}

NEIC Event type se. Moment Tensor Solution. s102 Moment tensor: Scale 10^{18}Nm; M_{rr}2.77 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-1.02 $M_{r\theta}$4.59 $M_{\theta\phi}$1.09 $M_{\phi r}$-2.55 Best double couple: NP1:ϕ_s310.00000° ,δ14.00000°,λ100.00000°. NP2:ϕ_s120.00000°,δ77.00000°,λ88.00000°. Principal axes: T 6.0100,Plg58.0000°,Azm27.0000°; N -0.2600,Plg2.0000°,Azm120.0000° ; P -5.7600,Plg32.0000°,Azm212.0000° $M_0$5.90000×10^{18}

(662) Sakhalin Island

ISC	**X**	**24 00 53 46.8–.93**	**47.10N–.02**	**142.78E–.04**	**10–6**	**3.7b**	**56**	**0-83**
NIED	X	24 00 53 00	47.00N	143.30E	5	3.7W		**¶601999436**
MOS	X	24 00 53 44.7–1.9	47.19N	142.86E	13	3.9b		
SKHL	X	24 00 53 45.9–.10	47.11N	142.65E	10	3.9b		
JMA	X	24 00 53 46.0–.40	47.00N	143.28E	0	4.2		
ISCJB	X	24 00 53 46.3–.50	47.12N–.02	142.68E–.04	14–3	3.6b		
IDC	X	24 00 53 52.7–3.1	47.06N	142.56E	54–32	3.9L,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ59.00000°,λ-3.00000°. NP2:ϕ_s291.00000°,δ88.00000°,λ-149.00000°. $M_0$4.23000×10^{14}

MOS Event type fe. Error ellipse: s-maj=13.1km s-min=8.4km az=90.7. Felt (IV-V) at Kluchi, Sanatornoye; (III-IV) at Bereznyaki, Novo-Aleksandrovsk, Novaya Derevnya, Lugovoye, Yuzhno-Sakhalinsk; (III) at Dal'neye, Elochki, Sinegorsk, Starorusskoye; (II-III) at Sokol. Moment Tensor Solution.

SKHL Event type fe. Felt (III) at Sinegorsk, Starorusskoye, Dal'neye, Elochki, (II-III) at Sokol. Felt (III-IV) at Novaya Derevnya, Lugovoye, Yuzhno-Sakhalinsk. Felt (IV-V) at Klyuchi, Sanatornyy, (III-IV) at Bereznyaki, Novo-Aleksandrovsk.

JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=162.4.

IDC Error ellipse: s-maj=22.4km s-min=17.0km az=34.0.

(66) Near coast of Oaxaca

ISC	**X**	**24 01 36 29.2–1.0**	**15.76N–.08**	**97.39W–.06**	**15**	**4.3b**	**54**	**1-59**
IDC	X	24 01 36 24.2–4.7	15.22N	97.19W	0	3.9,3.7		**¶601846003**
NEIC	X	24 01 36 28.8–.00	15.55N	97.50W	17	4.3b,3.9		
MEX	X	24 01 36 28.8–1.1	15.55N	97.50W	17–23	3.9,3.9		
ISCJB	X	24 01 36 29.8–.81	15.76N–.08	97.25W–.04	15	4.2b,3.9		

ISC Event type fe.

NEIC Event type fe. Felt at Pinotepa Nacional. After MEX.

ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**X**	**24 07 05 40.0–.49**	**36.53N–.04**	**140.98E–.05**	**49–3**	**4.6b,3.7s**	**257**	**0-155**
NIED	X	24 07 05 00	36.60N	140.90E	53	4.5W,3.7s		**¶601844013**
ISCJB	X	24 07 05 39.5–.35	36.54N–.03	140.90E–.03	56–2	4.6b,3.6s		
MOS	X	24 07 05 40.6–.98	36.77N	140.80E	57	4.8b,3.6s		
JMA	X	24 07 05 40.3–.10	36.53N	140.85E	51–1	4.5,3.6s		
BJI	X	24 07 05 40.9	36.46N	140.70E	64	5.0b,4.7b		
IDC	X	24 07 05 42.3–1.4	36.51N	140.87E	69–13	4.5,4.3		
NEIC	X	24 07 05 43.3–.50	36.47N	140.75E	77–4	4.6b,4.3		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ28.00000°,λ15.00000°. NP2:ϕ_s17.00000°,δ83.00000°,λ117.00000°. $M_0$5.39000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=40.9.

MOS Error ellipse: s-maj=7.7km s-min=5.3km az=107.5.

JMA Event type fe.

IDC Error ellipse: s-maj=11.7km s-min=8.9km az=66.0.

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.4km az=154.0. Recorded [4 JMA] in Ibaraki.

(228) Near east coast of eastern Honshu

ISC	**X**	**24 07 26 24.1–1.6**	**36.78N–.04**	**141.17E–.07**	**14–8**	**3.5b**	**27**	**0-147**
NIED	X	24 07 26 00	36.70N	141.30E	5	4.0W		**¶601999460**
ISCJB	X	24 07 26 22.9–1.1	36.76N–.04	141.27E–.07	17–7	3.5b		
JMA	X	24 07 26 22.5	36.74N	141.28E	26–1	3.6		
IDC	X	24 07 26 28.7–4.0	36.28N	140.91E	64–38	3.5,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ41.00000°,λ-77.00000°. NP2:ϕ_s11.00000°,δ51.00000°,λ-101.00000°. $M_0$1.19000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=6.0km az=24.8.

JMA Event type fe.

IDC Error ellipse: s-maj=35.3km s-min=29.5km az=106.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**24 07 56 29.8–.86**	**36.55N–.04**	**140.88E–.07**	**47–7**	**4.0b**	**44**	**0-91**
NIED	X	24 07 56 00	36.60N	140.90E	53	4.0W		**¶601999466**
ISCJB	X	24 07 56 28.3–.53	36.52N–.03	140.91E–.06	53–4	3.9b,3.1s		
JMA	X	24 07 56 29.4–.10	36.54N	140.85E	51–1	4.0,3.1s		
IDC	X	24 07 56 32.7–1.9	36.41N	140.73E	75–17	4.0,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s92.00000°,δ56.00000°,λ11.00000°. NP2:ϕ_s356.00000°,δ81.00000°,λ146.00000°. $M_0$1.20000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.0km az=20.9.

JMA Event type fe.

IDC Error ellipse: s-maj=17.6km s-min=9.3km az=69.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**24 09 19 14.4–1.9**	**38.31N–.06**	**142.0E–.10**	**43–17**		**20**	**0-58**
NIED	X	24 09 19 00	38.30N	141.90E	32	3.4W		**¶601999468**
ISCJB	X	24 09 19 14.1–1.3	38.30N–.05	141.9E–.10	51–11	3.8b		
JMA	X	24 09 19 15.1–.10	38.33N	141.87E	46–1	3.4		
IDC	X	24 09 19 22.3–9.9	38.18N	141.47E	107–64	3.4,3.2		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ48.00000°,λ9.00000°. NP2:ϕ_s42.00000°,δ83.00000°,λ137.00000°. $M_0$1.66000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=19.6km s-min=7.3km az=14.8.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=139.1km s-min=26.3km az=73.0.

(228) Near east coast of eastern Honshu

JMA	**X**	**25 00 51 50.6**	**36.64N**	**140.89E**	**26–1**	**3.5**		
NIED	X	25 00 51 00	36.60N	140.90E	20	3.4W		**¶603614334**

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ65.00000°,λ-14.00000°. NP2:ϕ_s311.00000°,δ78.00000°,λ-155.00000°. $M_0$1.32000×10^{14}

(127) Chile-Argentina border region

ISC	**X**	**25 05 38 00.3–.40**	**32.85S–.03**	**70.18W–.04**	**107–3**	**4.7b**	**618**	**0-174**
SJA	X	25 05 37 57.6–.77	32.85S	70.22W	115–5	4.8W,4.8L		**¶601846853**
MOS	X	25 05 37 57.6–.99	32.83S	69.92W	89	4.8b,4.8L		
GUC	X	25 05 37 58.8–.67	32.77S	70.17W	105–6	4.9L,4.8L		
ISCJB	X	25 05 37 58.8–.21	32.80S–.02	70.06W–.04	104–1	4.7b,4.8L		
NEIC	X	25 05 37 58.0–.00	32.77S	70.17W	105	4.9L,4.8		
IDC	X	25 05 38 01.1–.59	32.85S	69.86W	112–5	4.7,4.5		

ISC Event type fe.

SJA Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.

MOS Error ellipse: s-maj=14.5km s-min=6.4km az=99.6.

GUC Error ellipse: s-maj=4.2km s-min=8.3km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=6.4.

NEIC Event type fe. Felt [IV] at Los Andes; [III] at Colina, Papudo, San Bernardo, San Felipe, San Jose de Maipo, Santiago, Valparaiso and Zapallar; [II] at Casablanca, Isla de Maipo, Melipilla, Puente Alto, Quillota and Talagante. After GUC.

IDC Error ellipse: s-maj=16.8km s-min=9.6km az=83.0.

(280) Banda Sea

ISC	**X**	**25 06 10 22.8–1.1**	**8.14S–.04**	**123.50E–.06**	**40–14**	**4.2b,3.5s**	**32**	**1-74**
IDC	X	25 06 10 18.4–.83	7.92S	124.29E	0	4.2,4.1b		**¶601852883**
NEIC	X	25 06 10 20.0–.66	7.97S	124.24E	10	4.2b,4.1b		
ISCJB	X	25 06 10 22.3–.86	8.13S–.04	123.54E–.06	50–11	4.1b,3.4s		
DJA	X	25 06 10 23.1–.90	8S–2.0	123E–3.0	18–7	4.8b,4.6b		

ISC Event type fe.

NEIC Event type fe. Felt [II] on Pulau Kawula, Indonesia.

ISCJB Event type fe.

(224) Hokkaido region

ISC	**X**	**25 09 26 23.9–.95**	**43.14N–.06**	**145.65E–.04**	**51–7**	**3.7b,2.9s**	**55**	**0-84**
NIED	X	25 09 26 00	43.10N	145.60E	59	4.0W,2.9s		**¶601999588**
MOS	X	25 09 26 22.9–1.2	43.12N	145.60E	61	4.0b,2.9s		
ISCJB	X	25 09 26 23.2–.59	43.15N–.05	145.62E–.05	58–4	3.7b,3.0s		
JMA	X	25 09 26 24.4–.10	43.16N	145.58E	52–1	4.1,3.0s		
SKHL	X	25 09 26 24.2–.20	43.16N	145.61E	67–5	4.5b,3.0s		
IDC	X	25 09 26 26.2–2.8	43.06N	145.66E	78–21	3.8,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ33.00000°,λ81.00000°. NP2:ϕ_s39.00000°,δ58.00000°,λ96.00000°. $M_0$1.09000×10^{15}

MOS Error ellipse: s-maj=15.3km s-min=10.6km az=86.9.

ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.6km az=151.1.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

IDC Error ellipse: s-maj=25.3km s-min=19.9km az=164.0.

(244) Taiwan

ISC	**X**	**25 10 31 20.0–.50**	**22.45N–.02**	**120.44E–.02**	**31–3**	**5.0b**	**520**	**0-170**
NIED	X	25 10 31 00	22.30N	120.30E	20	5.0W		**¶601851715**
IDC	X	25 10 31 14.7–.47	22.43N	120.58E	0	4.8,4.7		
JMA	X	25 10 31 16.1–.10	22.31N	120.33E	52–3	5.1,4.7		
TAP	X	25 10 31 17.6	22.43N	120.37E	41–0	5.4L,4.7		
MOS	X	25 10 31 17.6–.95	22.38N	120.48E	30	5.3b,4.7		
BJI	X	25 10 31 17.5	22.58N	120.35E	7	4.9b,4.7b		
ISCJB	X	25 10 31 18.8–.16	22.46N–.01	120.42E–.01	36–1	4.9b,4.5s		
NEIC	X	25 10 31 19.2–1.1	22.42N	120.56E	31–8	5.5L,5.0b		
GCMT	X	25 10 31 19.2–.40	22.39N–.03	120.50E–.02	30–1	5.1W,5.0b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ24.00000°,λ-87.00000°. NP2:ϕ_s334.00000°,δ66.00000°,λ-91.00000°. $M_0$3.67000×10^{16}

TAP B.

ISCJB Event type fe.

NEIC Event type fe. Felt at Fengshan, Hengchun, Kaohsiung, Pingtung, Taichung and Tainan. Recorded [5 TAP] in Kaohsiung; [4 TAP] in Tainan; [3 TAP] in Pingtung; [2 TAP] in Changhua, Chiayi, Taitung and Yunlin; [1 TAP] in Hualien, Nantou, Penghu and Taichung.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c25; s59,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.36±.44 $M_{\theta\theta}$-0.71±.24; $M_{\phi\phi}$5.06±.28; $M_{r\theta}$0.58±.34; $M_{\theta\phi}$-0.98±.13; $M_{\phi r}$-2.67±.35; Best double couple: NP1:ϕ_s349.00000°,δ60.00000°,λ-92.00000°. NP2:ϕ_s173.00000°,δ30.00000°,λ-87.00000°. Principal axes: T 5.9450,Plg15.0000° ,Azm80.0000°; N -0.8680,Plg2.0000°,Azm350.0000°; P -5.0860,Plg75.0000°,Azm254.0000° $M_0$5.51600×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**25 10 32 27.3–.24**	**38.35N–.03**	**141.77E–.03**	**49–1**	**5.5b,5.3s**	**1691**	**0-160**
NIED	X	25 10 32 00	38.30N	141.90E	50	5.6W,5.3s		**¶606050969**
BJI	X	25 10 32 23.8	38.23N	141.94E	46	5.6b,5.5b		
ISCJB	X	25 10 32 26.5–.23	38.29N–.01	141.75E–.02	55–2	5.5b,5.1s		
JMA	X	25 10 32 26.5–.10	38.29N	141.86E	48–1	5.6,5.1s		
MOS	X	25 10 32 26.6–.95	38.35N	141.80E	61	5.8b,5.2s		
NEIC	X	25 10 32 27.0–.00	38.41N	141.86E	50	5.8b,5.2s		
IDC	X	25 10 32 27.6–.29	38.29N	141.80E	52–2	5.2,5.0		
NEIC	X	25 10 32 28.2–.31	38.31N	141.70E	56–2	5.7W,5.6W		
GCMT	X	25 10 32 29.2–.10	38.35N–.01	141.91E–.01	51–0	5.6W,5.6W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ22.00000°,λ74.00000°. NP2:ϕ_s31.00000°,δ69.00000°,λ96.00000°. $M_0$2.85000×10^{17}

ISCJB Event type fe.

JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s36.00000° ,δ70.00000°,λ99.00000°. NP2:ϕ_s192.00000°,δ22.00000°,λ68.00000°. Principal axes: T Plg64.0000°,Azm320.0000°; N Plg8.0000°,Azm213.0000°; P Plg24.0000°,Azm119.0000°

NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-1.83 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.97 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s24.00000° ,δ66.00000°,λ85.00000°. NP2:ϕ_s216.00000°,δ24.00000°,λ101.00000°. Principal axes: T 3.4400,Plg68.0000°,Azm284.0000°; N -0.2000,Plg4.0000°,Azm26.0000° ; P -3.2400,Plg20.0000°,Azm117.0000° $M_0$3.30000×10^{17}

NEIC Event type fe. Felt [IV] at Sendai, [III] at Tokyo and [II] at Tsuchiura. Felt in much of Honshu. Recorded [5L JMA] in Miyagi. Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}2.36 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-3.00 $M_{r\theta}$1.55 $M_{\theta\phi}$-0.67 $M_{\phi r}$2.06 Best double couple: NP1:ϕ_s167.00000° ,δ29.00000°,λ50.00000°. NP2:ϕ_s30.00000°,δ68.00000°,λ109.00000°. Principal axes: T 3.6300,Plg62.0000°,Azm330.0000°; N 0.3600,Plg18.0000°,Azm202.0000° ; P -3.9900,Plg21.0000°,Azm105.0000° $M_0$3.80000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c233; s131,c322; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.39±.04 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$-2.28±.03; $M_{r\theta}$1.18±.03; $M_{\theta\phi}$-0.68±.02; $M_{\phi r}$1.82±.03; Best double couple: NP1:ϕ_s27.00000°,δ66.00000° ,λ99.00000°. NP2:ϕ_s185.00000°,δ26.00000°,λ70.00000°. Principal axes: T 3.2660,Plg68.0000°,Azm315.0000°; N -0.0160,Plg9.0000°,Azm203.0000° ; P -3.2530,Plg21.0000°,Azm110.0000° $M_0$3.25900×10^{17}

(227) Eastern Honshu

ISC	**X**	**25 11 13 12.8–2.0**	**37.14N–.06**	**141.14E–.08**	**8–11**		**22**	**0-57**
IDC	X	25 11 13 10.9–2.3	37.15N	141.25E	0	3.7,3.4		**¶601999597**
ISCJB	X	25 11 13 14.5–1.1	37.05N–.04	141.09E–.08	21–6	3.4b,3.4		
JMA	X	25 11 13 16.3	37.08N	140.94E	27–1	3.7,3.4		

ISC Event type ke.

IDC Error ellipse: s-maj=44.8km s-min=31.2km az=44.0.

ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.4km az=21.6.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s104.00000°,δ50.00000°,λ-65.00000°. NP2:ϕ_s248.00000°,δ46.00000°,λ-117.00000°. Principal axes: T Plg2.0000°,Azm177.0000°; N Plg19.0000°,Azm268.0000°; P Plg71.0000° ,Azm81.0000°

(238) Ryukyu Islands

ISC	**X**	**25 12 48 55.7–1.3**	**28.70N–.04**	**128.68E–.05**	**25–9**	**4.4b,3.5s**	**128**	**1-151**
NIED	X	25 12 48 00	28.70N	128.50E	5	4.4W,3.5s		**¶601848629**
BJI	X	25 12 48 50.0	28.32N	128.80E	13	4.7b,4.4b		
IDC	X	25 12 48 51.9–.52	28.74N	128.59E	0	4.3,4.2		
JMA	X	25 12 48 52.5–.20	28.75N	128.50E	12–3	4.3,4.2		
ISCJB	X	25 12 48 54.0–.60	28.71N–.02	128.58E–.03	24–5	4.4b,3.6s		
NEIC	X	25 12 48 57.8–.40	28.70N	128.57E	43–4	4.6b,3.6s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ44.00000°,λ-78.00000°. NP2:ϕ_s70.00000°,δ47.00000°,λ-102.00000°. $M_0$4.44000×10^{15}

IDC Error ellipse: s-maj=19.4km s-min=12.3km az=87.0.

JMA Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=11.8.

NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=117.0. Recorded [1 JMA] on Amami-oshima.

(122) Near coast of northern Chile

ISC	**X**	**25 14 26 21.8–.49**	**25.79S–.03**	**71.17W–.07**	**35**	**4.6b,3.9s**	**76**	**1-169**
SJA	X	25 14 26 12.7–.49	25.50S	71.42W	10	4.5L,4.1W		**¶601848630**
IDC	X	25 14 26 17.4–.58	25.97S	70.40W	0	4.4,4.3b		
ISCJB	X	25 14 26 20.3–.46	25.84S–.02	71.04W–.07	35	4.2b,3.8s		
GUC	X	25 14 26 21.7–.60	25.93S	70.09W	24–53	4.7L,3.8s		
NEIC	X	25 14 26 21.0–.00	25.93S	70.09W	24	4.7L,3.8s		

ISC Event type fe.

SJA Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0.

IDC Error ellipse: s-maj=22.2km s-min=15.3km az=93.0.

ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.4km az=4.2.

GUC Error ellipse: s-maj=4.7km s-min=89.3km az=-1.0.

NEIC Event type fe. Felt [IV] at Copiapo and Tierra Amarilla; [III] at Caldera, Chanaral, Diego de Almagro and Taltal. After GUC.

(224) Hokkaido region

ISC	**X**	**25 16 19 58.5–1.4**	**43.55N–.05**	**145.96E–.04**	**59–8**		**36**	**0-4**
NIED	X	25 16 19 00	43.50N	146.00E	77	3.5W		**¶603302295**
ISCJB	X	25 16 19 57.5–.84	43.55N–.05	145.96E–.05	67–7	3.5W		
JMA	X	25 16 19 57.4–.20	43.51N	145.96E	72–1	3.5		
MOS	X	25 16 19 57.0–1.3	43.49N	146.05E	64	4.5b		
SKHL	X	25 16 19 57.0–.80	43.49N	145.99E	71–1	4.2b		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ21.00000°,λ26.00000°. NP2:ϕ_s193.00000°,δ81.00000°,λ109.00000°. $M_0$2.23000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.0km az=148.6.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

MOS Error ellipse: s-maj=54.9km s-min=26.7km az=90.5.

(235) Kyushu

ISC	**X**	**25 16 54 15.5–.43**	**31.95N–.03**	**131.77E–.03**	**34–1**	**4.8b,4.1s**	**306**	**0-156**
NIED	X	25 16 54 00	31.90N	131.90E	32	4.6W,4.1s		**¶606051262**
BJI	X	25 16 54 09.6	31.60N	132.36E	42	4.7b,4.5b		
MOS	X	25 16 54 14.1–1.2	31.88N	131.61E	35	4.7b,4.5b		
JMA	X	25 16 54 14.6–.10	31.94N	131.90E	27–1	4.4,4.5b		
ISCJB	X	25 16 54 14.5–.54	31.90N–.02	131.67E–.03	33–3	4.7b,4.1s		
IDC	X	25 16 54 15.2–.43	31.92N	131.63E	34–3	4.2,4.1		
NEIC	X	25 16 54 16.1–1.3	31.93N	131.61E	34–9	4.8b,4.1		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ19.00000°,λ113.00000°. NP2:ϕ_s41.00000°,δ72.00000°,λ82.00000°. $M_0$8.17000×10^{15}

MOS Error ellipse: s-maj=8.4km s-min=5.5km az=103.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ73.00000°,λ77.00000°. NP2: ϕ_s253.00000°,δ21.00000°,λ127.00000°. Principal axes: T Plg60.0000°,Azm286.0000° ; N Plg12.0000°,Azm39.0000°; P Plg27.0000°,Azm135.0000°

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=143.2.

IDC Error ellipse: s-maj=13.5km s-min=8.5km az=73.0.

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=147.0. Recorded [2 JMA] in Kagoshima and Miyazaki.

(238) Ryukyu Islands

ISC	**X**	**25 19 10 49.1–1.6**	**28.70N–.03**	**128.64E–.05**	**8–10**	**4.0b,3.9s**	**48**	**1-160**
NIED	X	25 19 10 00	28.70N	128.50E	5	4.3W,3.9s		**¶606051373**
IDC	X	25 19 10 47.7–.63	28.69N	128.64E	0	3.9,3.8b		
ISCJB	X	25 19 10 48.4–1.7	28.74N–.02	128.53E–.04	12–12	4.0b,3.7s		
JMA	X	25 19 10 48.5–.20	28.74N	128.52E	14–3	4.3,3.7s		
NEIC	X	25 19 10 49.9–3.2	28.66N	128.69E	13–21	4.7b,3.7s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ66.00000°,λ175.00000°. NP2:ϕ_s310.00000°,δ86.00000°,λ24.00000°. $M_0$3.40000×10^{15}

IDC Error ellipse: s-maj=22.3km s-min=14.1km az=94.0.

ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=179.6.

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

NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.6km az=103.0. Recorded [1 JMA] on Amami-oshima.

(136) Central Chile

ISC	**X**	**25 19 25 41.8–.35**	**29.55S–.04**	**71.08W–.05**	**73–2**	**4.5b**	**108**	**0-166**
ISCJB	X	25 19 25 41.5–.43	29.54S–.03	71.12W–.05	83–3	4.2b		**¶601848632**
GUC	X	25 19 25 41.2–.58	29.57S	70.97W	69–3	4.4L		
NEIC	X	25 19 25 41.0–.00	29.57S	70.97W	69	4.4L,4.1b		
IDC	X	25 19 25 42.2–.35	29.55S	70.86W	72–2	4.4,4.2		
SJA	X	25 19 25 42.9–.66	29.57S	70.94W	72–4	4.9W,4.6L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=175.8.

GUC Error ellipse: s-maj=1.8km s-min=5.9km az=-1.0.

NEIC Event type fe. Felt [V] at Vicuna; [IV] at Andacollo, Coquimbo, La Higuera, La Serena and Paiguano; [III] at Alto del Carmen, Monte Patria and Vallenar; [II] at Copiapo, Ovalle and Tierra Amarilla. After GUC.

IDC Error ellipse: s-maj=15.1km s-min=9.9km az=72.0.

SJA Error ellipse: s-maj=3.4km s-min=3.4km az=-1.0.

(460) Wyoming

ISC	**X**	**25 20 04 54.8–1.2**	**43.79N–.07**	**105.30W–.07**	**0**		**15**	**1-11**
ISCJB	X	25 20 04 53.1–.55	43.79N–.06	105.27W–.07	0			**¶601999642**
NEIC	X	25 20 04 54.7–.40	43.79N	105.28W	0	3.3L		
IDC	X	25 20 04 54.2–1.7	43.67N	105.46W	0	3.8,3.5		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=8.7km s-min=6.7km az=159.6.

NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=5.0km az=158.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=47.2km s-min=8.9km az=150.0.

(111) Northern Peru

ISC	**X**	**25 20 49 35.0–.23**	**5.97S–.03**	**76.21W–.04**	**22–2**	**5.4b,4.7s**	**1245**	**2-170**
MOS	X	25 20 49 33.4–.95	5.87S	76.15W	19	5.5b,4.7s		**¶601848635**
NEIC	X	25 20 49 35.8–.13	5.92S	76.07W	24	5.5L,5.4b		
IDC	X	25 20 49 35.2–.29	5.87S	76.08W	25–1	4.8,4.8		
ISCJB	X	25 20 49 36.1–.39	5.80S–.02	76.15W–.02	38–3	5.3b,4.7s		
BJI	X	25 20 49 37.0	5.90S	76.10W	20	5.5b,5.4s		
GCMT	X	25 20 49 37.8–.20	5.84S–.01	76.16W–.01	29–0	5.2W,5.4s		
IGQ	X	25 20 49 39.5–.49	6S–6.0	77W–11	120	6.0,6.0b		

ISC Event type fe.

NEIC Event type fe. Felt [IV] at Yurimaguas, [III] at Moyobamba and [II] at Lamas.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c143; s111,c184;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.02 $M_{\theta\theta}$-0.76±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$-0.40±.02; $M_{\theta\phi}$0.05±.01; $M_{\theta r}$-0.15±.03; Best double couple: NP1:ϕ_s261.00000°,δ60.00000°,λ77.00000°. NP2:ϕ_s106.00000°,δ32.00000°,λ112.00000°. Principal axes: T 0.8290,Plg72.0000° ,Azm140.0000°; N 0.0280,Plg11.0000°,Azm268.0000°; P -0.8560,Plg14.0000°,Azm0.0000° $M_0$0.84200×10^{17}

(390) Southern Italy

ISC	**X**	**25 23 05 26.1–.57**	**39.88N–.02**	**16.02E–.02**	**6–3**	**5.2b,5.0s**	**1532**	**0-165**
TIR	X	25 23 05 14.9	39.73N	15.52E	5	5.0,5.0s		**¶606635595**
BJI	X	25 23 05 20.8	39.71N	15.45E	5	5.5b,5.3b		
GII	X	25 23 05 22.7–.00	39.86N	16.04E	4	5.5b,5.3b		
ISCJB	X	25 23 05 25.0–.21	39.916N–.01	15.99E–.01	12–1	5.2b,5.0s		
NEIC	X	25 23 05 24.0–.00	39.88N	16.01E	6	5.3W,5.2W		
MOS	X	25 23 05 24.9–1.2	39.95N	15.98E	11	5.4b,5.0s		
LDG	X	25 23 05 24.5–.10	39.94N	16.03E	5	4.7L,5.0s		
ROM	X	25 23 05 24.7–.11	39.875N–.00	16.016E–.01	10–0	5.0L,5.0s		
IDC	X	25 23 05 25.5–.40	39.98N	15.92E	0	5.0,5.0		
PDG	X	25 23 05 25.2–.80	39.90N	16.05E	11–0	5.3,5.2L		
CRAAG	X	25 23 05 26.0	39.88N	16.03E		5.3W,5.2L		
BGS	X	25 23 05 26.4–2.1	40.20N	16.51E	6	5.3W,5.0b		
NEIC	X	25 23 05 26.0–.00	39.84N	16.08E	11	5.3W,5.0b		
BEO	X	25 23 05 27.1–.70	40.04N	16.03E	0	5.0L,5.0b		
GCMT	X	25 23 05 28.0–.10	39.88N–.01	15.98E–.01	12	5.3W,5.0b		

ISC Event type de.

GII Event type ke.

ISCJB Event type de.

NEIC Event type de. One person died of a heart attack at Cosenza. Felt [V] at Castelluccio Inferiore, Mormanno, San Basile, Santa Maria del Cedro and Verbicaro; [IV] at Castrolibero, Castrovillari, Lauria, Sapri, Scalea and Tortora; [III] at Cosenza, Naples and Rende. Felt throughout Basilicata, Calabria and Campania and in much of Apulia, Molise and northeastern Sicily. Felt as far as Palermo and Rome. After ROM. Moment Tensor Solution. s27 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.26 $M_{\theta\theta}$1.14 $M_{\phi\phi}$7.12 $M_{r\theta}$4.43 $M_{\theta\phi}$-1.89 $M_{\theta r}$-2.38 Best double couple: NP1:ϕ_s324.00000°,δ60.00000°,λ-109.00000°. NP2:ϕ_s179.00000° ,δ35.00000°,λ-60.00000°. Principal axes: T 8.5000,Plg13.0000°,Azm68.0000° ; N 1.7000,Plg16.0000°,Azm334.0000°; P -10.1000,Plg6.0000°,Azm19.0000° $M_0$9.40000×10^{16}

LDG Event type ke.

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

PDG Event type ke.

NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.16 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.38 $M_{\theta r}$0.17 Best double couple: NP1:ϕ_s155.00000° ,δ50.00000°,λ-92.00000°. NP2:ϕ_s339.00000°,δ40.00000°,λ-87.00000°. Principal axes: T 1.0900,Plg5.0000°,Azm247.0000°; N 0.0100,Plg1.0000°,Azm156.0000° ; P -1.1000,Plg84.0000°,Azm47.0000° $M_0$1.10000×10^{17}

BEO Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c131; s129,c249;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$-0.40±.01; $M_{\theta r}$-0.34±.03; Best double couple: NP1:ϕ_s328.00000°,δ57.00000°,λ-97.00000°. NP2:ϕ_s160.00000°,δ34.00000°,λ-80.00000°. Principal axes: T 1.0970,Plg12.0000° ,Azm62.0000°; N 0.0120,Plg6.0000°,Azm331.0000°; P -1.1130,Plg77.0000°,Azm216.0000° $M_0$1.10500×10^{17}

(228) Near east coast of eastern Honshu

JMA	**X**	**26 00 02 02.9–.10**	**36.95N**	**141.06E**	**51–1**	**3.5**		
								¶606051555

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**26 00 33 11.5–.49**	**40.98N–.04**	**142.37E–.04**	**42–3**	**4.5b**	**232**	**1-147**
NIED	X	26 00 33 00	41.00N	142.40E	41	4.2W		**¶601852886**
BJI	X	26 00 33 09.5	40.92N	142.57E	60	5.0b,4.7b		
JMA	X	26 00 33 10.9–.10	40.97N	142.42E	35–4	4.2,4.7b		
ISCJB	X	26 00 33 11.7–.37	41.02N–.03	142.32E–.04	57–2	4.5b,4.0s		
MOS	X	26 00 33 13.2–1.1	41.03N	142.27E	71	4.8b,4.0s		
IDC	X	26 00 33 13.7–1.8	40.95N	142.35E	68–14	4.1,4.0		
NEIC	X	26 00 33 14.4–.46	41.04N	142.28E	67–4	4.7b,4.0		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ15.00000°,λ64.00000°. NP2:ϕ_s21.00000°,δ77.00000°,λ97.00000°. $M_0$2.36000×10^{15}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.2km az=37.4.

MOS Error ellipse: s-maj=8.9km s-min=5.6km az=112.5.

IDC Error ellipse: s-maj=16.9km s-min=10.9km az=114.0.

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=127.0. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu.

(228) Near east coast of eastern Honshu

ISC	**X**	**26 06 34 34.2–.61**	**35.52N–.05**	**141.07E–.07**	**33**	**4.1b**	**61**	**0-84**
NIED	X	26 06 34 00	35.50N	141.10E	44	4.2W		**¶601875506**
ISCJB	X	26 06 34 32.5–.36	35.51N–.03	141.15E–.05	33	4.0b		
JMA	X	26 06 34 34.0–.20	35.56N	141.03E	37–1	3.7		
IDC	X	26 06 34 35.4–1.9	35.51N	140.98E	43–17	4.1L,3.9		
NEIC	X	26 06 34 35.8–.55	35.45N	140.94E	46–5	4.4b,3.9		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ17.00000°,λ72.00000°. NP2:ϕ_s13.00000°,δ74.00000°,λ95.00000°. $M_0$2.27000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=171.1.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s69.00000°,δ62.00000°,λ82.00000°. NP2: ϕ_s265.00000°,δ29.00000°,λ104.00000°. Principal axes: T Plg72.0000°,Azm322.0000° ; N Plg7.0000°,Azm73.0000°; P Plg17.0000°,Azm165.0000°

IDC Error ellipse: s-maj=21.7km s-min=10.7km az=90.0.

NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=77.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**26 10 36 30.3–.67**	**38.72N–.04**	**142.26E–.04**	**47–5**	**4.7b,4.1s**	**473**	**1-146**
NIED	X	26 10 36 00	38.70N	142.20E	44	4.7W,4.1s		**¶601848742**
BJI	X	26 10 36 27.4	38.61N	142.33E	44	4.9b,4.9b		
MOS	X	26 10 36 29.0–.80	38.92N	142.03E	35	5.0b,4.9b		
JMA	X	26 10 36 29.8–.10	38.72N	142.18E	42–1	4.7,4.9b		
ISCJB	X	26 10 36 29.7–.37	38.73N–.02	142.09E–.03	49–2	4.7b,4.0s		
NEIC	X	26 10 36 31.9–.47	38.74N	142.03E	54–4	4.6b,4.0s		
IDC	X	26 10 36 31.3–1.6	38.72N	142.12E	51–14	4.6,4.4		
GCMT	X	26 10 36 31.9–.50	38.87N–.03	142.27E–.04	51–2	4.8W,4.4		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ15.00000°,λ78.00000°. NP2:ϕ_s22.00000°,δ75.00000°,λ93.00000°. $M_0$1.23000×10^{16}

JMA Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Recorded [3 JMA] in Iwate and Miyagi.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s53,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.16 $M_{\theta\theta}$-0.29±.10; $M_{\phi\phi}$-1.38±.10; $M_{r\theta}$0.68±.09; $M_{\theta\phi}$-0.75±.07; $M_{\theta r}$1.00±.08; Best double couple: NP1:ϕ_s31.00000°,δ63.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ28.00000°,λ82.00000°. Principal axes: T 2.0590,Plg72.0000° ,Azm311.0000°; N 0.0830,Plg4.0000°,Azm209.0000°; P -2.1440,Plg18.0000°,Azm118.0000° $M_0$2.10200×10^{16}

(224) Hokkaido region

ISC	**X**	**26 10 52 53.0–.59**	**42.66N–.04**	**143.22E–.04**	**110–5**	**4.4b**	**121**	**0-148**
NIED	X	26 10 52 00	42.70N	143.20E	101	3.9W		**¶601852890**
MOS	X	26 10 52 52.5–.98	42.70N	143.25E	129	4.3b		
ISCJB	X	26 10 52 52.1–.29	42.67N–.04	143.22E–.04	120–2	4.2b		
IDC	X	26 10 52 53.0–1.5	42.66N	143.30E	118–9	4.0,3.7		
JMA	X	26 10 52 54.3–.10	42.70N	143.21E	104–1	3.7,3.7		
NEIC	X	26 10 52 58.7–.96	43.30N	142.87E	128–8	4.5b,3.7		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ15.00000°,λ55.00000°. NP2:ϕ_s18.00000°,δ78.00000°,λ99.00000°. $M_0$8.00000×10^{14}

MOS Error ellipse: s-maj=9.9km s-min=7.4km az=85.6.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=156.3.

IDC Error ellipse: s-maj=16.7km s-min=12.2km az=139.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ72.00000°,λ89.00000°. NP2: ϕ_s197.00000°,δ18.00000°,λ93.00000°. Principal axes: T Plg63.0000°,Azm283.0000° ; N Plg1.0000°,Azm15.0000°; P Plg27.0000°,Azm105.0000°

NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.5km az=146.0.

(662) Sakhalin Island

ISC	**X**	**26 14 29 54.7–1.1**	**48.81N–.03**	**142.08E–.06**	**12–10**		**16**	**0-7**
ISCJB	X	26 14 29 53.2–.57	48.82N–.03	141.90E–.07	7–7			**¶603750343**
SKHL	X	26 14 29 53.7–.90	48.82N	142.09E	10	4.2b		
MOS	X	26 14 29 54.6–1.3	48.81N	142.03E	11	3.9b		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=172.1.

SKHL Event type fe. Felt (III) at Uglegorsk.
MOS Event type fe. Error ellipse: s-maj=63.6km s-min=29.0km az=99.1. Felt (III) at Uglegorsk. Moment Tensor Solution.

(228) Near east coast of eastern Honshu

ISC	**X**	**26 19 33 08.8–.76**	**37.62N–.04**	**141.85E–.04**	**48–6**	**4.6b**	**190**	**1-147**
NIED	X	26 19 33 00	37.60N	141.80E	53	4.1W		**¶601852895**
MOS	X	26 19 33 09.4–.98	38.00N	141.63E	47	4.8b		
ISCJB	X	26 19 33 09.1–.45	37.64N–.03	141.68E–.04	58–3	4.8s,4.5b		
JMA	X	26 19 33 09.2	37.64N	141.71E	47–1	4.1,4.5b		
BJI	X	26 19 33 09.6	37.89N	141.68E	61	4.9b,4.5s		
NEIC	X	26 19 33 12.9–.44	37.61N	141.56E	80–4	4.7b,4.5s		
IDC	X	26 19 33 13.3–1.9	37.64N	141.61E	81–18	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ42.00000°,λ131.00000°. NP2:ϕ_s184.00000°,δ60.00000°,λ60.00000°. $M_0$1.58000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=6.6km az=90.9.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=31.9.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=131.0. Recorded [1 JMA] in Fukushima, Iwate and Miyagi.
IDC Error ellipse: s-maj=16.6km s-min=11.8km az=119.0.

(236) Shikoku

ISC	**X**	**26 19 44 37.4–.89**	**33.47N–.04**	**133.49E–.03**	**27–6**	**4.5b,3.6s**	**121**	**0-82**
NIED	X	26 19 44 00	33.50N	133.50E	32	4.3W,3.6s		**¶601851722**
BJI	X	26 19 44 28.3	33.12N	134.06E	8	4.7b,4.3b		
ISCJB	X	26 19 44 36.7–.32	33.47N–.03	133.49E–.02	40–3	4.4b,3.6s		
JMA	X	26 19 44 37.9	33.51N	133.47E	34	4.5,3.6s		
NEIC	X	26 19 44 37.1–1.1	33.44N	133.41E	28–7	4.6b,3.6s		
IDC	X	26 19 44 38.3–2.0	33.45N	133.46E	35–16	4.0,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ69.00000°,λ-11.00000°. NP2:ϕ_s316.00000°,δ79.00000°,λ-159.00000°. $M_0$3.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.1km az=156.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s326.00000°,δ60.00000°,λ-142.00000°. NP2:ϕ_s215.00000°,δ58.00000°,λ-37.00000°. Principal axes: T Plg1.0000°,Azm90.0000°; N Plg43.0000°,Azm359.0000°; P Plg47.0000°,Azm181.0000°
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=137.0. Recorded [3 JMA] in Ehime, Kagawa, Kochi and Tokushima. Also recorded [3 JMA] in Hiroshima, Honshu.
IDC Error ellipse: s-maj=13.2km s-min=11.3km az=147.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**26 20 35 26.0–1.6**	**37.95N–.04**	**141.99E–.06**	**14–10**		**34**	**1-58**
NIED	X	26 20 35 00	38.00N	141.80E	50	3.7W		**¶601999768**
IDC	X	26 20 35 21.9–2.4	38.15N	142.59E	0	3.8,3.7		
JMA	X	26 20 35 30.2–.10	38.02N	141.83E	50–1	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ27.00000°,λ57.00000°. NP2:ϕ_s237.00000°,δ68.00000°,λ105.00000°. $M_0$3.91000×10^{14}
IDC Error ellipse: s-maj=45.2km s-min=28.5km az=72.0.
JMA Event type fe.

(228) Near east coast of eastern Honshu

JMA	**X**	**26 22 39 31.5–.10**	**37.68N**	**141.86E**	**31–2**	**3.8**		
NIED	X	26 22 39 00	37.70N	141.90E	32	3.4W		**¶603696262**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ15.00000°,λ-128.00000°. NP2:ϕ_s233.00000°,δ78.00000°,λ-81.00000°. $M_0$1.57000×10^{14}

(130) Catamarca Province

ISC	**X**	**27 00 49 38.7–.50**	**27.78S–.04**	**66.79W–.04**	**167–4**	**4.5b**	**158**	**1-169**
NEIC	X	27 00 49 36.9–.39	27.81S	66.63W	144–3	4.5b,4.3W		**¶601851734**
ISCJB	X	27 00 49 37.9–.23	27.84S–.02	66.78W–.03	170–2	4.5b,4.3W		
SJA	X	27 00 49 37.7–.60	27.87S	66.73W	182–3	4.4L,4.2W		
GUC	X	27 00 49 37.7–.76	27.89S	66.67W	136–64	4.3W,4.2W		
IDC	X	27 00 49 39.8–.58	27.75S	66.52W	172–5	4.7,4.3		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.6km az=86.0. Felt [II] at Copiapo and Tierra Amarilla, Chile.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=17.7.
SJA Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
GUC Error ellipse: s-maj=5.4km s-min=16.2km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=11.6km az=92.0.

(201) Irian Jaya

ISC	**X**	**27 04 06 49.9–.31**	**4.15S–.04**	**140.29E–.05**	**35**	**4.8b,3.9s**	**175**	**2-159**
IDC	X	27 04 06 44.6–.42	3.93S	140.34E	0	4.9L,4.6		**¶601852486**
DJA	X	27 04 06 46.8–.30	4S–3.0	140E–4.0	10	6.3,6.0		
MOS	X	27 04 06 47.6–.92	3.98S	140.29E	33	4.7b,6.0		
BJI	X	27 04 06 48.2	4.28S	140.62E	47	5.2b,4.8b		
GCMT	X	27 04 06 48.6–.30	3.91S–.02	140.41E–.02	27–1	4.9W,4.8b		
ISCJB	X	27 04 06 48.2–.20	4.12S–.03	140.34E–.03	35	4.7b,3.9s		
NEIC	X	27 04 06 50.6–.73	4.08S	140.27E	43–7	4.9b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.5km s-min=9.3km az=88.0.
MOS Error ellipse: s-maj=13.1km s-min=6.7km az=100.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s74,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$-1.63±.10; $M_{\phi\phi}$1.11±.12; $M_{r\theta}$-1.71±.23; $M_{\theta\phi}$1.57±.07; $M_{\phi r}$0.03±.20; Best double couple: NP1:ϕ_s254.00000°,δ87.00000°,λ40.00000°. NP2:ϕ_s161.00000°,δ50.00000°,λ175.00000°. Principal axes: T 2.2210,Plg30.0000°,Azm126.0000°; N 0.8290,Plg50.0000°,Azm259.0000°; P -3.0520,Plg24.0000°,Azm21.0000° $M_0$2.63700×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=5.5.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.4km az=72.0. Felt [III] at Wamena.

(228) Near east coast of eastern Honshu

ISC	**X**	**27 04 12 45.7–1.1**	**37.01N–.05**	**141.22E–.07**	**48–8**	**4.1b**	**51**	**0-150**
NIED	X	27 04 12 00	37.00N	141.10E	53	4.1W		**¶601874216**
ISCJB	X	27 04 12 44.5–.65	37.01N–.04	141.24E–.07	53–4	4.0b		
JMA	X	27 04 12 46.0–.10	37.02N	141.13E	51–1	4.1		
NEIC	X	27 04 12 46.8–1.0	37.03N	141.10E	56–8	4.1b		
IDC	X	27 04 12 48.9–2.0	36.92N	141.04E	78–19	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ16.00000°,λ95.00000°. NP2:ϕ_s24.00000°,δ74.00000°,λ89.00000°. $M_0$1.70000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.2km az=22.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.8km az=138.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=60.0.

(227) Eastern Honshu

ISC	**X**	**27 05 53 54.8–.95**	**39.81N–.03**	**140.90E–.05**	**7–7**	**3.8b**	**26**	**0-146**
JMA	X	27 05 53 53.8	39.84N	140.85E	3–1	3.3		**¶601999807**
ISCJB	X	27 05 53 54.2–.51	39.81N–.03	140.91E–.06	12–4	4.1s,3.7b		
IDC	X	27 05 53 54.2–.85	39.70N	140.96E	0	3.8,3.7b		

ISC Event type ke.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s136.00000°,δ74.00000°,λ70.00000°. NP2:ϕ_s8.00000°,δ26.00000°,λ139.00000°. Principal axes: T Plg57.0000°,Azm20.0000°; N Plg19.0000°,Azm142.0000°; P Plg26.0000°,Azm242.0000°
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=25.5.
IDC Error ellipse: s-maj=28.3km s-min=13.5km az=115.0.

(238) Ryukyu Islands

ISC	**X**	**27 06 37 32.6–1.0**	**28.61N–.03**	**128.84E–.04**	**28–7**	**4.6b,4.0s**	**162**	**0-151**
NIED	X	27 06 37 00	28.70N	128.50E	8	4.6W,4.0s		**¶606052213**
JMA	X	27 06 37 27.3–.30	28.74N	128.51E	15–4	4.6,4.0s		
IDC	X	27 06 37 27.1–.61	28.62N	128.65E	0	4.2,4.1b		
ISCJB	X	27 06 37 29.6–.58	28.63N–.02	128.72E–.03	21–4	4.5b,4.0s		
GCMT	X	27 06 37 29.6–.40	28.70N–.02	128.54E–.03	15–2	4.7W,4.0s		
NEIC	X	27 06 37 29.6–.27	28.58N	128.73E	10	4.6b,4.0s		
BJI	X	27 06 37 32.8	28.54N	128.71E	45	4.8b,4.7s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ68.00000°,λ180.00000°. NP2:ϕ_s130.00000°,δ90.00000°,λ22.00000°. $M_0$9.78000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=20.3km s-min=12.4km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.4km az=30.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c14; s65,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.09 $M_{\theta\theta}$1.54±.10; $M_{\phi\phi}$-1.23±.07; $M_{r\theta}$0.38±.17; $M_{\theta\phi}$0.14±.06; $M_{\phi r}$-0.44±.17; Best double couple: NP1:ϕ_s310.00000°,δ82.00000°,λ-24.00000°. NP2:ϕ_s44.00000°,δ66.00000°,λ-171.00000°. Principal axes: T 1.6170,Plg11.0000°,Azm359.0000°; N -0.1850,Plg64.0000°,Azm113.0000°; P -1.4290,Plg23.0000°,Azm264.0000° $M_0$1.52300×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=123.0. Recorded [1 JMA] on Amami-oshima.

(377) Spain

ISC	**X**	**27 10 19 02.7–1.0**	**37.21N–.02**	**4.29W–.02**	**7–9**		**147**	**0-6**
ISCJB	X	27 10 19 01.6–.35	37.26N–.02	4.38W–.02	0–2			**¶601852907**
CNRM	X	27 10 19 02.4	37.05N	4.23W	0	3.5L		
SFS	X	27 10 19 03.0	37.09N	4.30W	4	2.8L		
MDD	X	27 10 19 03.1–.23	37.10N	4.31W	0	2.8		
INMG	X	27 10 19 04.8–2.1	37.08N	4.27W	24–4	2.9L		
IGIL	X	27 10 19 04.2	37.10N	4.31W	10	2.4L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=10.9.
SFS ARCHIDONA. (MALAGA).
MDD Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=10.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=175.0.

(134) Off coast of central Chile

ISC	**X**	**27 12 33 03.0–1.6**	**33.57S–.04**	**72.08W–.05**	**11–9**	**4.3b**	**74**	**1-176**
SJA	X	27 12 33 00.9–.58	33.75S	72.37W	10	4.0L,3.8W		**¶601852914**
IDC	X	27 12 33 01.8–1.1	33.55S	71.91W	0	4.1,4.0b		
NEIC	X	27 12 33 05.0–.00	33.64S	72.01W	47	4.4b,3.9L		
GUC	X	27 12 33 05.2–.65	33.64S	72.01W	47–7	3.9L,3.9L		

ISC Event type fe.
SJA Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=40.9km s-min=23.9km az=81.0.
NEIC Event type fe. Felt [II] at Navidad, Pichilemu, Rancagua and San Fernando. After GUC.
GUC Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0.

(69) Near coast of Chiapas

ISC	**X**	**27 16 22 03.8–.39**	**14.56N–.05**	**92.41W–.04**	**63–3**	**4.9b**	**663**	**1-147**
GCMT	X	27 16 22 00.8–.20	14.36N–.02	92.61W–.02	57–1	5.0W		**¶601852922**
UCR	X	27 16 22 01.8–1.4	14.59N	92.40W	5–19	4.9b,4.2L		
IDC	X	27 16 22 03.8–.42	14.64N	92.03W	61–3	4.7,4.6		
ISCJB	X	27 16 22 03.1–.19	14.59N–.02	92.36W–.02	61	4.9b,4.6		
MEX	X	27 16 22 05.8–.74	14.41N	92.72W	57–41	5.0,4.6		
NEIC	X	27 16 22 05.8–.00	14.41N	92.72W	57	5.0,4.9b		
MOS	X	27 16 22 08.8–1.2	14.71N	92.03W	117	4.7b,4.9b		
BJI	X	27 16 22 09.0	14.60N	92.20W	96	5.3b,4.9b		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c88; s84,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.77±.15 $M_{\theta\theta}$3.22±.13; $M_{\phi\phi}$0.54±.16; $M_{r\theta}$0.14±.09; $M_{\theta\phi}$-2.32±.10; $M_{\phi r}$-1.05±.09; Best double couple: NP1:ϕ_s314.00000°,δ51.00000°,λ-71.00000°. NP2:ϕ_s106.00000°,δ42.00000°,λ-112.00000°. Principal axes: T 4.6110,Plg4.0000°,Azm31.0000°; N -0.5820,Plg14.0000°,Azm122.0000°; P -4.0360,Plg75.0000°,Azm284.0000° $M_0$4.32300×10^{16}
UCR Error ellipse: s-maj=9.6km s-min=26.3km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=8.1km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.1.
MEX Error ellipse: s-maj=14.5km s-min=9.6km az=-1.0.
NEIC Event type fe. Felt at Suchiate and Tapachula. Also felt at Panajachel and Quetzaltenango, Guatemala. After MEX.
MOS Error ellipse: s-maj=14.9km s-min=5.5km az=111.8.

(227) Eastern Honshu

ISC	**X**	**27 16 26 21.6–.77**	**39.76N–.04**	**141.88E–.06**	**57–6**	**3.8b**	**41**	**0-76**
NIED	X	27 16 26 00	39.80N	141.80E	59	4.0W		**¶601874219**
ISCJB	X	27 16 26 20.6–.48	39.74N–.03	141.86E–.07	64–3	3.7b		
JMA	X	27 16 26 21.6	39.76N	141.85E	58–1	3.9		
IDC	X	27 16 26 23.1–2.2	39.73N	141.79E	75–18	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ19.00000°,λ129.00000°. NP2:ϕ_s358.00000°,δ75.00000°,λ78.00000°. $M_0$1.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.9km az=11.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s17.00000°,δ60.00000°,λ107.00000°. NP2:ϕ_s166.00000°,δ34.00000°,λ63.00000°. Principal axes: T Plg70.0000°,Azm325.0000°; N Plg15.0000°,Azm188.0000°; P Plg13.0000°,Azm95.0000°
IDC Error ellipse: s-maj=21.5km s-min=13.1km az=121.0.

(460) Wyoming

ISC	**X**	**27 20 21 29.8–1.1**	**43.70N–.08**	**105.26W–.07**	**0**		**17**	**1-11**
ISCJB	X	27 20 21 28.6–.55	43.67N–.06	105.28W–.07	0			**¶601999857**
NEIC	X	27 20 21 29.9–.48	43.69N	105.24W	0	3.4L		
IDC	X	27 20 21 29.2–1.8	43.80N	105.52W	0	3.7,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.4km s-min=6.8km az=167.6.
NEIC Event type fm. Error ellipse: s-maj=8.0km s-min=6.2km az=165.0. 70 km [44 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.2km s-min=8.6km az=149.0.

(135) Near coast of central Chile

ISC	**X**	**28 01 42 57.0–1.5**	**33.42S–.04**	**71.90W–.05**	**13–8**	**4.0b**	**78**	**1-84**
SJA	X	28 01 42 53.0–.59	33.78S	72.26W	10	4.4L,3.9W		**¶601883573**
IDC	X	28 01 42 55.2–1.3	33.43S	71.72W	0	4.1,4.0L		
GUC	X	28 01 43 00.5–.67	33.40S	71.61W	34–6	4.0L,4.0L		
NEIC	X	28 01 43 00.0–.00	33.40S	71.61W	34	4.0L,3.9b		

ISC Event type fe.
SJA Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=35.6km s-min=24.2km az=89.0.
GUC Error ellipse: s-maj=3.8km s-min=4.5km az=-1.0.
NEIC Event type fe. Felt [IV] at Algarrobo, Cartagena, El Quisco, El Tabo, San Antonio and Santo Domingo; [III] at Casablanca, Quillota, Tiltil, Valparaiso and Villa Alemana; [II] at Melipilla, Rancagua, San Jose de Maipo and Santiago. After GUC.

(232) Western Honshu

JMA	**X**	**28 02 31 31.4**	**35.31N**	**136.90E**	**9**	**2.7**		
								¶606052627

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s145.00000°,δ56.00000°,λ59.00000°. NP2:ϕ_s11.00000°,δ45.00000°,λ127.00000°. Principal axes: T Plg64.0000°,Azm359.0000°; N Plg25.0000°,Azm163.0000°; P Plg6.0000°,Azm256.0000°

(22) Queen Charlotte Islands region

ISC	**X**	**28 03 04 07.8–.58**	**52.68N–.02**	**132.17W–.03**	**7–3**	**7.6s,6.5b**	**2854**	**0-163**
BJI	X	28 03 04 05.2	52.78N	131.94W	20	7.9,7.9s		**¶603860908**
PGC	X	28 03 04 06.1–6.7	52.55N	132.24W	23–0	7.7W,7.1L		
ISCJB	X	28 03 04 06.8–.07	52.77N–.01	132.02W–.02	10	7.5s,6.4b		
IDC	X	28 03 04 07.9–1.9	52.65N	132.26W	12–11	7.4,7.4s		
MOS	X	28 03 04 07.8–.99	52.63N	132.30W	21	7.5s,6.6b		
NEIC	X	28 03 04 08.8–.08	52.79N	132.10W	14	7.8W,7.8W		
NEIC	X	28 03 04 09.0–.00	52.74N	131.97W	11	7.8W,7.8W		
GCMT	X	28 03 04 36.8–.10	52.61N–.01	132.06W–.01	12	7.8W,7.8W		
NEIC	X	28 03 04 53.5–.00	52.89N	132.03W	22	7.8W,7.8W		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 83km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=138.1.
IDC Error ellipse: s-maj=11.9km s-min=6.9km az=35.0.
MOS Error ellipse: s-maj=6.1km s-min=3.1km az=101.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ71.00000°,λ85.00000°. NP2: ϕ_s310.00000°,δ20.00000°,λ104.00000°. Principal axes: T Plg64.0000°,Azm17.0000°; N Plg5.0000°,Azm117.0000°; P Plg26.0000°,Azm209.0000° $M_0$4.80000×10^{20}

NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.1km az=45.0. at Port-Vila, Vanuatu; 4 at Apia, Samoa; 4 at Hienghene, New Caledonia; 4 at Lata and 3 at Honiara, Solomon Islands; 4 on Christmas Island, Kiribati; 2 on Funafuti Island, Tuvalu. Felt [V] in the Masset-Queen Charlotte area and [IV] at Houston, Kitimat, Prince Rupert and Terrace. Felt [III] in much of western British Columbia and in Southeastern Alaska. Felt from Seattle, Washington to Juneau, Alaska and to Calgary, Alberta. Thermal springs on Hotspring Island in Gwaii Haanas National Park Preserve, Haida Gwaii, stopped flowing after the earthquake, but were starting to show signs of recovery in mid-January 2013. A generally-small, but nearly Pacific-wide tsunami was recorded, with much higher wave heights in Hawaii than in the rest of the Pacific. Also, the West Coast and Alaska Tsunami Warning Center observed that a small tsunami was recorded at Sitka, Alaska after having been reflected off the Hawaiian Islands. Tsunami wave heights [in centimeters, one-half peak-to-trough] were recorded at the following selected tide stations: 34 at Langara Island, 26 at Henslung Cove, 15 at Port Alberni and 9 at Prince Rupert, British Columbia; 76 at Kahului, 56 at Kawaihae, 43 at Haleiwa, 37 at Hilo, 20 at Hanalei and 15 at Honolulu, Hawaii; 18 at Chignik, 13 at Kodiak and 12 at Sitka, Alaska; 23 at Port Orford, Oregon; 46 at Crescent City, 41 at Arena Cove, 27 at Port San Luis and 25 at Point Reyes, California; 24 on Nuku Hiva, 24 on Hiva Oa and 4 at Rangiroa, French Polynesia; 15 on Rarotonga, Cook Islands; 12 on Chatham Island and 10 at Gisborne, New Zealand; 12 at Mera, 10 at Aburatsu and 10 on Chichi Jima, Japan; 10 at Talcahuano, Chile; 9 on Midway Island; 6. Complex earthquake, with at least one larger event occurring about 13 seconds after the onset observed on broadband displacement seismograms. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband displacement seismograms. Focal mechanism based on larger event. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 13 seconds after the onset. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband Energy computed from BB mechanism. Moment Tensor Solution. Moment Tensor Solution. Principal axes: T Plg45.0000°,Azm15.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm285.0000°

NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{20}Nm; M_{rr}3.84 $M_{\theta\theta}$-2.41 $M_{\phi\phi}$-1.42 $M_{r\theta}$3.77 $M_{\theta\phi}$2.21 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s115.00000° ,δ68.00000°,λ79.00000°. NP2:ϕ_s322.00000°,δ24.00000°,λ115.00000°. Principal axes: T 5.6200,Plg65.0000°,Azm6.0000°; N 0.1100,Plg10.0000°,Azm119.0000° ; P -5.7300,Plg22.0000°,Azm213.0000° $M_0$5.70000×10^{20}

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s145,c362; s147,c790; Duration: 18s7 Moment tensor: Scale 10^{20}Nm; M_{rr}4.08±.01 $M_{\theta\theta}$-2.53±.01; $M_{\phi\phi}$-1.56±.01; $M_{r\theta}$3.26±.11; $M_{\theta\phi}$2.40±.01; $M_{\phi r}$-1.78±.12; Best double couple: NP1:ϕ_s122.00000°,δ66.00000° ,λ83.00000°. NP2:ϕ_s318.00000°,δ25.00000°,λ104.00000°. Principal axes: T 5.5050,Plg69.0000°,Azm19.0000°; N 0.3310,Plg6.0000°,Azm125.0000° ; P -5.8460,Plg20.0000°,Azm217.0000° $M_0$5.67600×10^{20}

NEIC Event type se. Moment Tensor Solution. s196 Moment tensor: Scale 10^{20}Nm; M_{rr}4.75 $M_{\theta\theta}$-3.04 $M_{\phi\phi}$-1.70 $M_{r\theta}$3.36 $M_{\theta\phi}$2.27 $M_{\phi r}$-1.79 Best double couple: NP1:ϕ_s312.00000° ,δ26.00000°,λ100.00000°. NP2:ϕ_s121.00000°,δ64.00000°,λ85.00000°. Principal axes: T 6.1100,Plg70.0000°,Azm22.0000°; N -0.0500,Plg4.0000°,Azm123.0000° ; P -6.0600,Plg19.0000°,Azm215.0000° $M_0$6.10000×10^{20}

(22) Queen Charlotte Islands region

ISC	**X**	**28 03 52 20.6–.80**	**52.45N–.04**	**131.91W–.04**	**13–4**	**4.9b**	**538**	**0-151**
PGC	X	28 03 52 15.6–11	52.24N	132.23W	18–4	5.5W,5.1L		**¶601857737**
IDC	X	28 03 52 18.2–.65	52.34N	132.22W	0	4.7,4.5		
ISCJB	X	28 03 52 20.7–.43	52.58N–.02	131.86W–.04	24–3	4.8b,4.5		
NEIC	X	28 03 52 20.5–.15	52.58N	131.96W	10	5.5W,4.9b		
MOS	X	28 03 52 21.2–1.2	52.50N	131.93W	27	5.1b,4.9b		
BJI	X	28 03 52 21.5	52.40N	131.80W	20	4.9b,4.9b		

ISC Event type fe.

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.

IDC Error ellipse: s-maj=14.4km s-min=8.3km az=52.0.

ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.1km az=145.5.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=52.0. Felt at Bulkley-Nechako and Smithers. Also felt at Ketchikan and Petersburg, Alaska. Moment Tensor Solution. $M_0$2.00000×10^{17}

MOS Error ellipse: s-maj=11.1km s-min=4.8km az=111.3.

(105) Near coast of Ecuador

ISC	**X**	**28 04 13 32.2–.89**	**2.32S–.05**	**79.91W–.08**	**63–7**	**4.5b**	**94**	**0-151**
ISCJB	X	28 04 13 32.3–.57	2.33S–.03	79.87W–.06	78–5	4.3b		**¶601853273**
IGQ	X	28 04 13 32.5–.62	2S–5.0	80W–4.0	32–4	4.9		
NEIC	X	28 04 13 34.1–.82	2.23S	79.76W	78–8	4.7b		
IDC	X	28 04 13 34.5–2.1	2.25S	79.76W	84–21	4.4,4.1		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.3km az=0.2.

NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.4km az=75.0. Felt at Cuenca, Daule, Eloy Alfaro, Guayaquil, Manta and Pillate.

IDC Error ellipse: s-maj=18.8km s-min=13.9km az=63.0.

(22) Queen Charlotte Islands region

ISC	**X**	**28 04 41 03.6–.36**	**52.60N–.04**	**132.17W–.04**	**18**	**4.8b**	**467**	**0-151**
PGC	X	28 04 40 58.3–3.2	52.35N	132.34W	10	5.3W,5.1L		**¶601999907**
IDC	X	28 04 41 00.2–.54	52.46N	132.38W	0	4.6,4.4		
ISCJB	X	28 04 41 01.8–.14	52.56N–.02	132.28W–.04	18	6.6s,4.7b		
MOS	X	28 04 41 01.8–.90	52.57N	132.30W	18	5.1b,4.7b		
NEIC	X	28 04 41 02.6–.15	52.55N	132.30W	10	5.3W,4.7b		

ISC Event type fe.

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 106km Ssw of Sandspit, Bc Haida Gwaii Region.

IDC Error ellipse: s-maj=11.6km s-min=8.2km az=50.0.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.6km az=141.2.

MOS Error ellipse: s-maj=12.1km s-min=4.5km az=110.0.

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=1.7km az=49.0. Felt at Burns Lake, Prince George, Quesnel and Smithers. Also felt at Juneau and Wrangell, Alaska. Moment Tensor Solution.

(22) Queen Charlotte Islands region

ISC	**X**	**28 05 21 33.5–1.0**	**52.37N–.06**	**131.82W–.06**	**23–7**	**4.3b**	**186**	**0-88**
IDC	X	28 05 21 28.6–.98	52.22N	132.31W	0	4.3,4.1		**¶601853282**
PGC	X	28 05 21 31.4–11	52.39N	131.82W	30–0	4.3L,4.1		
NEIC	X	28 05 21 32.7–.63	52.49N	131.79W	10	4.3L,4.3b		

ISC Event type fe.

IDC Error ellipse: s-maj=22.5km s-min=13.4km az=50.0.

PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=-1.0. 95km south of Sandspit, Bc Haida Gwaii Region.

NEIC Event type fe. Error ellipse: s-maj=12.4km s-min=5.3km az=69.0. Felt at Port MacNeill.

(22) Queen Charlotte Islands region

ISC	**X**	**28 06 16 51.7–.33**	**52.27N–.04**	**131.31W–.05**	**10**	**5.0b**	**934**	**0-151**
IDC	X	28 06 16 48.9–.57	52.14N	131.72W	0	4.8,4.6		**¶601853291**
PGC	X	28 06 16 48.6–11	52.19N	131.26W	3–0	5.2L,5.2W		
BJI	X	28 06 16 49.3	52.30N	131.20W	12	5.4s,5.3		
ISCJB	X	28 06 16 50.5–.14	52.32N–.02	131.22W–.03	10	4.9b,4.8s		
NEIC	X	28 06 16 52.1–.17	52.34N	131.36W	10	5.2W,5.0b		
MOS	X	28 06 16 52.0–1.0	52.30N	131.29W	22	5.1b,5.0b		

ISC Event type fe.

IDC Error ellipse: s-maj=14.4km s-min=8.7km az=41.0.

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 123km Sse of Sandspit, Bc Haida Gwaii Region.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.4km az=144.2.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=1.7km az=56.0. Felt at Port Hardy, Port MacNeill, Quesnel and Terrace. Also felt at Juneau and Ketchikan, Alaska. Moment Tensor Solution. $M_0$7.30000×10^{16}

MOS Error ellipse: s-maj=9.6km s-min=4.0km az=110.7.

(22) Queen Charlotte Islands region

ISC	**X**	**28 07 25 20.4–.62**	**52.26N–.04**	**131.39W–.04**	**6–3**	**5.0b**	**861**	**0-151**
PGC	X	28 07 25 16.2–17	52.11N	131.68W	12–1	5.2W,5.0b		**¶601853297**
IDC	X	28 07 25 18.0–.44	52.17N	131.76W	0	4.8,4.7		
MOS	X	28 07 25 19.9–1.2	52.29N	131.64W	16	5.1b,4.7		
ISCJB	X	28 07 25 20.3–.49	52.38N–.02	131.39W–.03	14–3	4.9b,4.4s		
NEIC	X	28 07 25 21.5–.16	52.32N	131.56W	10	5.2W,5.0b		
BJI	X	28 07 25 21.6	52.85N	131.47W	14	5.6b,5.3s		

ISC Event type fe.

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. 127km south of Sandspit, Bc Haida Gwaii Region.

IDC Error ellipse: s-maj=12.0km s-min=7.8km az=49.0.

MOS Error ellipse: s-maj=8.9km s-min=3.8km az=111.7.

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.6km az=143.8.

NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=1.7km az=49.0. Felt at Juneau and Thorne Bay, Alaska. Moment Tensor Solution. $M_0$6.90000×10^{16}

(43) Southern California

ISC	**X**	**28 07 47 02.3–.94**	**33.68N–.02**	**116.81W–.02**	**16–8**		**116**	**0-8**
ISCJB	X	28 07 47 02.7–.24	33.66N–.02	116.80W–.02	26–2			**¶602032249**
NEIC	X	28 07 47 03.0–.00	33.69N	116.81W	19	3.9L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=23.2.

NEIC Event type fe. Felt [IV] at Canyon Country, Granada Hills and Idyllwild; [III] at Aguanga, Bonsall, Cathedral City, Hemet, Homeland, Indian Wells, Indio, La Quinta, Los Angeles, Menifee, Moreno Valley, Mountain Center, Newhall, Norco, Nuevo, Palm Desert, Palm Springs, Porter Ranch, San Diego, San Jacinto, Santa Clarita, Santee, Sun City, Sylmar, Temecula, Van Nuys, Warner Springs, West Hollywood, Winchester and Yucaipa. Felt from Santa Clarita to the Mexican border and east to Salton Sea. After PAS.

(22) Queen Charlotte Islands region

ISC	**X**	**28 09 17 28.6–.52**	**52.31N–.04**	**131.84W–.04**	**16–2**	**5.2b,5.1s**	**970**	**0-163**
BJI	X	28 09 17 24.8	52.20N	132.00W	10	5.5b,5.2s		**¶602000006**
IDC	X	28 09 17 25.4–.44	52.23N	132.08W	0	5.0,5.0s		
PGC	X	28 09 17 26.1–15	52.17N	131.88W	11–9	5.3W,5.1b		
MOS	X	28 09 17 26.4–.96	52.14N	132.15W	17	5.4b,5.1s		
NEIC	X	28 09 17 27.7–.11	52.24N	132.01W	10	5.3W,5.1b		
ISCJB	X	28 09 17 27.1–.41	52.26N–.02	131.96W–.03	20–3	5.1s,5.1b		

ISC Event type fe.

PGC Event type ke. 120km south of Sandspit, Bc Haida Gwaii Region.

NEIC Event type fe. Felt at Terrace. Moment Tensor Solution. $M_0$9.80000×10^{16}

ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**X**	**28 09 44 05.7–.82**	**36.56N–.04**	**141.00E–.06**	**44–7**	**4.3b**	**108**	**0-152**
ISCJB	X	28 09 44 04.6–.42	36.53N–.03	141.00E–.05	53–3	4.3b		**¶601860608**
NEIC	X	28 09 44 04.7–.25	36.55N	140.98E	35	4.5b		
JMA	X	28 09 44 06.0–.10	36.54N	140.88E	50–1	4.3		
IDC	X	28 09 44 08.4–1.6	36.46N	140.86E	73–15	4.1,4.0		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.2km az=15.5.

NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=5.6km az=102.0. Recorded [3 JMA] in Ibaraki.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000°,δ50.00000°,λ66.00000°. NP2: ϕ_s35.00000°,δ46.00000°,λ115.00000°. Principal axes: T Plg72.0000°,Azm23.0000° ; N Plg18.0000°,Azm196.0000°; P Plg2.0000°,Azm287.0000°

IDC Error ellipse: s-maj=13.9km s-min=9.0km az=65.0.

(717) Afghanistan-Tajikistan border region

ISC	**X**	**28 12 11 15.9–.34**	**36.43N–.03**	**71.11E–.03**	**214–3**	**4.7b**	**831**	**3-150**
MOS	X	28 12 11 14.3–.98	36.44N	71.14E	210	4.7b		**¶602000054**
BJI	X	28 12 11 14.0	36.52N	71.09E	203	5.0b,4.8b		
ISCJB	X	28 12 11 14.2–.23	36.44N–.01	71.11E–.02	210–2	4.7b,4.8b		
NEIC	X	28 12 11 15.4–.43	36.42N	71.13E	208–4	4.8b,4.8b		
IDC	X	28 12 11 16.9–.56	36.37N	71.13E	226–5	5.0,4.5		
NNC	X	28 12 11 17.8–1.2	36.74N	71.04E	209–11	5.8,4.5b		

ISC Event type fe.

MOS Error ellipse: s-maj=4.7km s-min=3.2km az=112.2.

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=37.1.

NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=186.0. Felt at Jalalabad. Also felt at Chitral, Islamabad and Peshawar, Pakistan and at Sargodha and in the Srinagar area, India.

IDC Error ellipse: s-maj=7.4km s-min=5.5km az=4.0.

NNC Event type se. Error ellipse: s-maj=12.3km s-min=8.6km az=164.0.

(22) Queen Charlotte Islands region

ISC	**X**	**28 13 09 15.7–.34**	**52.34N–.04**	**131.96W–.04**	**22–2**	**4.9b,4.4s**	**827**	**0-151**
BJI	X	28 13 09 11.0	52.47N	132.03W	8	5.3b,4.9s		**¶601857784**
IDC	X	28 13 09 11.9–.49	52.33N	132.10W	0	4.7,4.6		
ISCJB	X	28 13 09 11.7–.51	52.45N–.02	131.84W–.03	3–3	4.8b,4.3s		
PGC	X	28 13 09 12.1–7.1	52.25N	132.17W	29–0	5.1W,4.7L		
MOS	X	28 13 09 12.4–1.0	52.37N	131.99W	12	5.1b,4.7L		
NEIC	X	28 13 09 14.3–.10	52.43N	131.87W	10	5.1W,4.8b		

ISC Event type fe.

IDC Error ellipse: s-maj=11.2km s-min=5.9km az=51.0.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.5km az=140.0.

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 114km Ssw of Sandspit, Bc Haida Gwaii Region.

MOS Error ellipse: s-maj=9.3km s-min=3.8km az=112.4.

NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=1.1km az=49.0. Felt at Prince Rupert and Terrace. Moment Tensor Solution. $M_0$5.20000×10^{16}

(22) Queen Charlotte Islands region

ISC	**X**	**28 13 45 48.1–.72**	**51.14N–.09**	**130.3W–.10**	**12**	**4.1b,3.8s**	**112**	**2-92**
ISCJB	X	28 13 45 47.4–.26	51.12N–.04	130.28W–.08	12	3.9b,3.8s		**¶601857787**
NEIC	X	28 13 45 48.9–.29	51.14N	130.29W	10	4.1b,3.8s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=2.5km az=140.5.

NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=2.8km az=50.0. Felt at Prince George and Smithers.

(43) Southern California

ISC	**X**	**28 15 24 23.7–.87**	**34.33N–.02**	**118.45W–.02**	**11–6**		**126**	**0-13**
ISCJB	X	28 15 24 22.6–.36	34.32N–.02	118.48W–.02	9–3			**¶601857796**
NEIC	X	28 15 24 23.4–.00	34.35N	118.46W	4	3.9L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.3km az=37.8.

NEIC Event type fe. Felt [III] at Beverly Hills, Burbank, Canyon Country, Chatsworth, Glendale, Granada Hills, Hemet, Los Angeles, Mission Hills, Montrose, Newhall, North Hills, North Hollywood, Northridge, Panorama City, Porter Ranch, Reseda, San Fernando, Santa Clarita, Santa Monica, Stevenson Ranch, Studio City, Sylmar, Valencia, Valley Village, Van Nuys and West Hollywood. Felt throughout the Los Angeles Basin. After PAS.

(43) Southern California

ISC	**X**	**28 16 21 07.8–1.1**	**34.35N–.02**	**118.45W–.03**	**9–8**		**29**	**0-2**
ISCJB	X	28 16 21 07.7–.40	34.35N–.02	118.46W–.03	7–4			**¶602566811**
NEIC	X	28 16 21 08.1–.00	34.35N	118.46W	3	2.5L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=163.7.

NEIC Event type fe. Felt [II] at Canyon Country, Granada Hills, Newhall, Porter Ranch, Santa Clarita, Valencia and Van Nuys. Felt in the Chatsworth-Los Angeles-La Canada Flintridge area. After PAS.

(22) Queen Charlotte Islands region

ISC	**X**	**28 18 54 20.2–.47**	**52.54N–.03**	**132.66W–.03**	**5–2**	**6.3s,5.9b**	**1960**	**1-163**
PGC	X	28 18 54 16.7–.13	52.48N	132.79W	20	6.3b,5.6L		**¶601857803**
IDC	X	28 18 54 17.9–.35	52.56N	132.56W	0	6.1,6.1s		
BJI	X	28 18 54 18.0	52.61N	132.68W	9	6.4s,6.3		
MOS	X	28 18 54 19.3–1.1	52.57N	132.71W	11	6.3s,6.1b		
ISCJB	X	28 18 54 20.1–.09	52.60N–.01	132.50W–.02	10	6.2s,5.7b		
NEIC	X	28 18 54 20.8–.15	52.67N	132.60W	9	6.3W,6.3W		
NEIC	X	28 18 54 21.0–.00	52.63N	132.70W	11	6.3W,6.3W		
GCMT	X	28 18 54 27.8–.10	52.56N	132.78W	12	6.4W,6.3W		

ISC Event type fe.

PGC Event type ke. 107km southwest of Sandspit, Bc Haida Gwaii Region.

IDC Error ellipse: s-maj=8.5km s-min=5.7km az=75.0.

MOS Error ellipse: s-maj=8.2km s-min=4.0km az=110.8.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.1km az=141.2.

NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=1.6km az=48.0. Felt at Campbell River, Chetwynd, Houston, Nanaimo, Prince Rupert and Terrace. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.10 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.20000×10^{18}

NEIC Event type se. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.55 $M_{\theta\theta}$1.37 $M_{\phi\phi}$2.18 $M_{r\theta}$-0.76 $M_{\theta\phi}$-1.80 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s139.00000° ,δ53.00000°,λ-92.00000°. NP2:ϕ_s324.00000°,δ37.00000°,λ-86.00000°. Principal axes: T 3.7700,Plg8.0000°,Azm231.0000°; N -0.0700,Plg2.0000°,Azm140.0000° ; P -3.7000,Plg81.0000°,Azm35.0000° $M_0$3.70000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c299; s145,c595; Duration: 3s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.31±.02 $M_{\theta\theta}$1.58±.03; $M_{\phi\phi}$2.74±.03; $M_{r\theta}$0.41±.06; $M_{\theta\phi}$-2.31±.02; $M_{\phi r}$-0.92±.06; Best double couple: NP1:ϕ_s325.00000°,δ51.00000° ,λ-86.00000°. NP2:ϕ_s139.00000°,δ39.00000°,λ-95.00000°. Principal axes: T 4.6490,Plg6.0000°,Azm52.0000°; N -0.2090,Plg3.0000°,Azm143.0000°

; P -4.4300,Plg83.0000°,Azm259.0000° $M_0$4.53900×10^{18}

(2) Southern Alaska

ISC	**X**	**28 22 17 08.0–.85**	**61.99N–.03**	**149.97W–.03**	**54–8**	**3.6b**	**96**	**1-146**
IDC	X	28 22 17 06.8–1.7	61.97N	150.22W	46–19	3.7,3.6		**¶602000159**
ISCJB	X	28 22 17 07.1–.23	62.00N–.02	149.96W–.04	66–4	3.5b,3.6		
NEIC	X	28 22 17 08.9–.00	61.99N	149.96W	43	3.6L,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=14.5km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.3km az=2.4.
NEIC Event type fe. Felt at Eagle River, Talkeetna and Willow. After AEIC.

(229) Off east coast of Honshu

ISC	**X**	**28 23 34 51.2–1.9**	**37.33N–.04**	**142.04E–.06**	**8–11**	**4.0b**	**58**	**1-146**
NIED	X	28 23 34 00	37.40N	142.00E	26	4.0W		**¶601874260**
JMA	X	28 23 34 53.0–.20	37.35N	142.02E	38–4	4.2		
NEIC	X	28 23 34 55.8–.85	37.26N	142.09E	43–7	4.1b		
IDC	X	28 23 34 55.6–2.0	37.22N	142.03E	41–19	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ23.00000°,λ-47.00000°. NP2:ϕ_s202.00000°,δ73.00000°,λ-106.00000°. $M_0$1.02000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.6km az=125.0. Recorded [1 JMA] in Fukushima.
IDC Error ellipse: s-maj=16.8km s-min=11.6km az=97.0.

(706) Northern Sumatera

ISC	**X**	**29 02 22 43.7–.35**	**0.90N–.03**	**98.36E–.04**	**51–2**	**5.3b,4.4s**	**1053**	**1-177**
BJI	X	29 02 22 39.8	0.50N	98.40E	60	5.3b,5.2b		**¶601857844**
ISCJB	X	29 02 22 43.0–.33	0.88N–.02	98.35E–.02	59–3	5.3b,4.3s		
MOS	X	29 02 22 42.9–.99	0.96N	98.42E	57	5.7b,4.2s		
IDC	X	29 02 22 43.4–.50	0.93N	98.41E	46–4	5.1,4.9		
DJA	X	29 02 22 43.7–.50	1N–2.0	98E–2.0	30–4	5.7,5.6b		
NEIC	X	29 02 22 44.5–.51	0.88N	98.38E	59–4	5.4b,5.6b		
GCMT	X	29 02 22 45.5–.20	0.96N–.01	98.27E–.01	26–0	5.2W,5.6b		
KLM	X	29 02 22 46.0	0.84N	98.43E	86	5.4b,5.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=141.0.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=111.8.
IDC Error ellipse: s-maj=10.6km s-min=8.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=54.0. Felt [III] at Padangsidempuan and Sibolga, Sumatra.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c86; s84,c141;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.19±.16 $M_{\theta\theta}$3.35±.11; $M_{\phi\phi}$-2.17±.11; $M_{r\theta}$1.60±.25; $M_{\theta\phi}$1.04±.09; $M_{\phi r}$-8.13±.42; Best double couple: NP1:ϕ_s168.00000°,δ88.00000°,λ89.00000°. NP2:ϕ_s14.00000°,δ2.00000°,λ116.00000°. Principal axes: T 6.5330,Plg47.0000° ,Azm77.0000°; N 3.5370,Plg1.0000°,Azm168.0000°; P -10.0810,Plg43.0000°,Azm259.0000° $M_0$8.30700×10^{16}

(39) Central California

ISC	**X**	**29 04 25 17.0–.57**	**36.58N–.02**	**121.19W–.02**	**10**	**3.8b**	**229**	**0-94**
ISCJB	X	29 04 25 15.3–.17	36.54N–.01	121.26W–.02	10	3.7b		**¶601857850**
NEIC	X	29 04 25 16.3–.00	36.59N	121.20W	9	3.9W		
IDC	X	29 04 25 17.2–1.4	36.64N	121.10W	0	3.8b,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.5km az=145.1.
NEIC Event type fe. Felt [IV] at Gonzales and [III] at Capitola, Hollister, Paicines, San Martin and Soquel and in parts of Monterey County. Felt at Fresno, San Francisco and Stockton and in parts of Marin, San Benito, San Mateo, Santa Clara, Santa Cruz and Tulare Counties. After NCEDC. Moment Tensor Solution.
IDC Error ellipse: s-maj=17.4km s-min=13.3km az=19.0.

(73) El Salvador

ISC	**X**	**29 04 59 34.8–.84**	**13.29N–.06**	**89.65W–.06**	**68–6**	**4.4b**	**144**	**1-147**
ISCJB	X	29 04 59 33.7–.45	13.21N–.04	89.67W–.04	65–3	4.3b		**¶601857851**
UCR	X	29 04 59 34.0–1.7	13.21N	89.74W	33–4	4.5b,4.1L		
NEIC	X	29 04 59 35.7–.80	13.25N	89.54W	72–7	4.5b,4.2		
IDC	X	29 04 59 37.5–2.8	13.51N	89.29W	85–25	4.1,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.5km az=136.4.
UCR Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=5.9km az=220.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=24.6km s-min=11.6km az=53.0.

(286) Flores region

ISC	**X**	**29 06 13 30.9–1.4**	**8.20S–.04**	**123.59E–.04**	**28–11**	**4.3b**	**62**	**1-127**
IDC	X	29 06 13 28.0–.72	7.93S	123.91E	0	4.3L,4.2		**¶602000220**
DJA	X	29 06 13 28.8–.30	8S–3.0	124E–3.0	10	4.9b,4.9b		
NEIC	X	29 06 13 28.7–.37	8.28S	123.57E	10	5.0b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=35.5km s-min=14.6km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=52.0. Felt [III] on Pulau Kawula.

(286) Flores region

ISC	**X**	**29 06 28 37.2–.29**	**8.20S–.03**	**123.52E–.04**	**39–2**	**5.2b,5.1s**	**461**	**1-174**
BJI	X	29 06 28 30.7	8.20S	123.50E	6	5.3b,5.1b		**¶601857858**
ISCJB	X	29 06 28 31.4–.72	8.17S–.02	123.56E–.02	11–4	5.1s,5.1b		
NEIC	X	29 06 28 33.1–.14	8.19S	123.47E	10	5.2b,5.1s		
MOS	X	29 06 28 34.2–1.1	8.11S	123.48E	28	5.3b,4.9s		
GCMT	X	29 06 28 35.1–.10	8.17S–.01	123.51E–.01	14–0	5.5W,4.9s		
DJA	X	29 06 28 35.0–.10	8S–1.0	124E–1.0	10	5.8b,5.6		
KLM	X	29 06 28 36.0	8.47S	123.59E	52	5.6b,5.6		
IDC	X	29 06 28 38.0–1.9	8.12S	123.44E	44–18	5.0,4.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.9km az=35.3.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=59.0. Felt [V] on Pulau Kawula, [IV] at Adonara and [III] at Alor.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c174; s129,c252;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}0.22±.03 $M_{\theta\theta}$0.94±.02; $M_{\phi\phi}$-1.16±.03; $M_{r\theta}$-0.09±.05; $M_{\theta\phi}$-1.67±.03; $M_{\phi r}$-1.15±.10; Best double couple: NP1:ϕ_s344.00000°,δ87.00000°,λ-28.00000°. NP2:ϕ_s76.00000°,δ62.00000°,λ-177.00000°. Principal axes: T 2.0140,Plg17.0000° ,Azm34.0000°; N 0.4780,Plg62.0000°,Azm159.0000°; P -2.4960,Plg21.0000°,Azm296.0000° $M_0$2.25500×10^{17}
IDC Error ellipse: s-maj=13.3km s-min=9.2km az=75.0.

(286) Flores region

ISC	**X**	**29 06 34 50.6–.41**	**8.25S–.05**	**123.55E–.05**	**35**	**4.5b**	**97**	**1-153**
NEIC	X	29 06 34 47.5–.32	8.04S	123.56E	10	5.0b		**¶602000224**
ISCJB	X	29 06 34 48.7–.26	8.13S–.03	123.58E–.03	33	4.5b		
DJA	X	29 06 34 49.4–.20	8S–2.0	123E–2.0	10	6.4b,6.1		
IDC	X	29 06 34 53.0–2.4	8.08S	123.64E	51–23	4.5L,4.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=6.1km az=61.0. Felt [IV] at Adonara and on Pulau Kawula and [III] at Alor.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=161.5.
IDC Error ellipse: s-maj=22.4km s-min=13.0km az=71.0.

(286) Flores region

ISC	**X**	**29 07 50 49.7–.59**	**8.19S–.05**	**123.57E–.06**	**35**	**4.0b,3.6s**	**48**	**1-74**
NEIC	X	29 07 50 46.8–.47	8.29S	123.55E	10	4.0b,3.6s		**¶602000239**
IDC	X	29 07 50 46.4–.84	8.05S	123.60E	0	4.3L,4.1		
ISCJB	X	29 07 50 47.2–.34	8.21S–.04	123.66E–.03	33	3.9b,3.5s		
DJA	X	29 07 50 49.2–1.3	8S–3.0	123E–3.0	19–17	4.8b,4.5b		

ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.

(227) Eastern Honshu

ISC	**X**	**29 08 00 55.9–1.3**	**39.46N–.04**	**141.93E–.08**	**62–7**	**3.5b**	**30**	**0-60**
ISCJB	X	29 08 00 55.1–.79	39.45N–.03	141.92E–.08	68–5	3.6b		**¶602000242**
JMA	X	29 08 00 55.8	39.45N	141.90E	65–1	3.2		
IDC	X	29 08 00 58.3–1.8	40.14N	140.53E	0	3.6,3.6b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.1km az=10.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ89.00000°,λ-30.00000°. NP2:ϕ_s45.00000°,δ60.00000°,λ-179.00000°. Principal axes: T Plg20.0000°,Azm4.0000°; N Plg60.0000°,Azm134.0000°; P Plg21.0000° ,Azm266.0000°
IDC Error ellipse: s-maj=46.4km s-min=25.1km az=85.0.

(662) Sakhalin Island

ISC	**X**	**29 09 54 26.6–.99**	**53.28N–.04**	**142.86E–.06**	**12**		**17**	**0-9**
MOS	X	29 09 54 22.3–2.3	53.24N	142.34E	10	4.1b		**¶603750344**
SKHL	X	29 09 54 25.6–.80	53.35N	142.61E	10	4.2b		
ISCJB	X	29 09 54 26.9–.61	53.34N–.04	142.52E–.06	12	4.2b		

ISC Event type ke.
MOS Event type fe. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) ar Okha, Tungor.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**X**	**29 12 38 46.7–.76**	**37.29N–.04**	**141.97E–.05**	**25–5**	**4.3b,3.6s**	**91**	**1-146**
NIED	X	29 12 38 00	37.30N	141.90E	35	4.3W,3.6s		**¶606053186**
IDC	X	29 12 38 42.9–.62	37.26N	141.95E	0	4.2,4.1b		
ISCJB	X	29 12 38 46.1–.66	37.27N–.03	142.00E–.05	35–6	4.2b,3.5s		
JMA	X	29 12 38 46.9–.10	37.28N	141.92E	40–3	4.4,3.5s		
NEIC	X	29 12 38 48.4–.62	37.29N	141.98E	36–6	4.4b,3.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ62.00000°,λ-21.00000°. NP2:ϕ_s232.00000°,δ71.00000°,λ-150.00000°. $M_0$3.39000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=12.6km az=129.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.4km az=18.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=126.0.

(502) Arkansas

ISC	**X**	**29 12 39 23.6–.90**	**35.23N–.02**	**90.64W–.02**	**18–3**		**388**	**0-23**
ISCJB	X	29 12 39 23.8–.23	35.224N–.01	90.62W–.01	29–2			**¶601861574**
IDC	X	29 12 39 24.3–3.7	35.48N	91.03W	0	4.1L,3.6		
NEIC	X	29 12 39 24.1–.00	35.21N	90.64W	23	3.9,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=34.8.
IDC Error ellipse: s-maj=43.8km s-min=16.7km az=112.0.
NEIC Event type fe. Felt [IV] at Colt, Earle, Hughes, Proctor, Tyronza and Wynne; [III] at Blytheville, Cherry Valley, Crowfordsville, Forrest City, Harrisburg, Marion, Marked Tree, Osceola, Palestine, Parkin, Turrell and West Memphis. Felt [III] at Horn Lake, Nesbit, Robinsonville, Southaven and Walls, Mississippi. Felt [III] at Brighton, Covington, Drummonds, Germantown and Memphis, Tennessee. Felt in much of northeastern Arkansas, northwestern Mississippi and southwestern Tennessee and in parts of southeastern Missouri. After CERI.

(232) Western Honshu

JMA	**X**	**29 19 05 07.5**	**35.09N**	**136.85E**	**38–1**	**3.6**		
NIED	X	29 19 05 00	35.10N	136.80E	44	3.5W		**¶603697558**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s139.00000°,δ68.00000°,λ-152.00000°. NP2:ϕ_s38.00000°,δ64.00000°,λ-24.00000°. Principal axes: T Plg3.0000°,Azm268.0000°; N Plg55.0000°,Azm174.0000°; P Plg35.0000° ,Azm0.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ37.00000°,λ-38.00000°. NP2:ϕ_s147.00000°,δ68.00000°,λ-120.00000°. $M_0$1.77000×10^{14}

(173) Tonga Islands

ISC	**X**	**29 22 41 12.2–.45**	**15.18S–.08**	**173.37W–.09**	**30**	**4.7b,4.2s**	**161**	**2-154**
IDC	X	29 22 41 07.1–.56	15.20S	173.34W	0	4.6,4.3		**¶601861582**
NEIC	X	29 22 41 08.5–3.4	15.24S	173.30W	9–20	4.7b,4.3		
ISCJB	X	29 22 41 10.1–.23	15.24S–.06	173.39W–.06	30	4.6b,4.1s		
GCMT	X	29 22 41 17.5–.30	14.86S–.02	173.10W–.02	21–1	5.1W,4.1s		

ISC Event type fe.
NEIC Event type fe. Felt in American Samoa.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c35; s85,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.18 $M_{\theta\theta}$3.89±.16; $M_{\phi\phi}$-0.90±.12; $M_{r\theta}$-4.50±.35; $M_{\theta\phi}$0.08±.08; $M_{\phi r}$1.04±.20; Best double couple: NP1:ϕ_s101.00000°,δ72.00000°,λ-80.00000°. NP2:ϕ_s252.00000°,δ20.00000°,λ-118.00000°. Principal axes: T 6.1360,Plg27.0000° ,Azm184.0000°; N -0.7170,Plg9.0000°,Azm278.0000°; P -5.4220,Plg62.0000°,Azm26.0000° $M_0$5.77900×10^{16}

(286) Flores region

ISC	**X**	**29 23 40 20.8–.35**	**8.24S–.04**	**123.59E–.05**	**35**	**4.7b,4.0s**	**119**	**1-153**
IDC	X	29 23 40 15.9–.56	8.06S	123.61E	0	4.6,4.5		**¶601859252**
BJI	X	29 23 40 16.0	8.20S	123.50E	5	4.9b,4.7b		
NEIC	X	29 23 40 18.4–2.5	8.21S	123.42E	17–16	4.7b,4.7b		
ISCJB	X	29 23 40 18.5–.21	8.17S–.02	123.56E–.03	33	4.6b,4.0s		
GCMT	X	29 23 40 19.4–.30	8.16S–.02	123.58E–.03	17–1	4.8W,4.0s		
DJA	X	29 23 40 19.1–.70	8S–2.0	124E–1.0	14–6	5.2,5.2b		

ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s65,c97;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.12 $M_{\theta\theta}$0.98±.07; $M_{\phi\phi}$-1.52±.11; $M_{r\theta}$-0.24±.24; $M_{\theta\phi}$-1.57±.08; $M_{\phi r}$-1.37±.31; Best double couple: NP1:ϕ_s164.00000°,δ90.00000°,λ32.00000°. NP2:ϕ_s74.00000°,δ58.00000°,λ180.00000°. Principal axes: T 1.8890,Plg22.0000° ,Azm33.0000°; N 0.9270,Plg58.0000°,Azm164.0000°; P -2.8160,Plg22.0000°,Azm294.0000° $M_0$2.35300×10^{16}

(286) Flores region

ISC	**X**	**29 23 51 44.1–.40**	**8.30S–.04**	**123.58E–.05**	**35**	**4.6b,4.2s**	**90**	**1-146**
BJI	X	29 23 51 36.1	8.65S	123.64E	10	5.1b,4.7b		**¶601859253**
IDC	X	29 23 51 38.8–.86	8.09S	123.69E	0	4.5L,4.4		
NEIC	X	29 23 51 41.3–3.1	8.22S	123.46E	12–20	4.7b,4.4		
ISCJB	X	29 23 51 42.3–.24	8.17S–.03	123.55E–.03	33	4.5b,4.1s		
DJA	X	29 23 51 43.7–.70	8S–2.0	124E–2.0	30–9	5.4b,4.9		

ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.

(235) Kyushu

ISC	**X**	**29 23 54 51.9–1.1**	**31.91N–.06**	**131.68E–.05**	**38–1**	**3.8b**	**24**	**0-87**
NIED	X	29 23 54 00	32.00N	131.70E	32	3.9W		**¶602000382**
IDC	X	29 23 54 43.5–2.0	31.37N	131.38E	0	4.0,3.9L		
ISCJB	X	29 23 54 51.6–.68	31.90N–.05	131.72E–.06	46–6	3.8b,3.5s		
JMA	X	29 23 54 52.5–.10	31.97N	131.66E	36–1	3.7,3.5s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s103.00000°,δ27.00000°,λ11.00000°. NP2:ϕ_s3.00000°,δ85.00000°,λ116.00000°. $M_0$7.71000×10^{14}
IDC Error ellipse: s-maj=42.9km s-min=26.4km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.3km az=139.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ90.00000°,λ106.00000°. NP2: ϕ_s92.00000°,δ16.00000°,λ0.00000°. Principal axes: T Plg43.0000°,Azm287.0000° ; N Plg16.0000°,Azm182.0000°; P Plg43.0000°,Azm76.0000°

(286) Flores region

ISC	**X**	**29 23 57 36.2–.58**	**8.16S–.06**	**123.46E–.07**	**10**	**4.5b**	**45**	**1-146**
ISCJB	X	29 23 57 32.6–.31	8.27S–.04	123.77E–.05	10	4.3b		**¶601861583**
IDC	X	29 23 57 33.0–.72	8.16S	123.66E	0	4.4,4.3		
NEIC	X	29 23 57 34.5–.42	8.17S	123.69E	10	4.6b,4.3		
DJA	X	29 23 57 39.6–.20	8S–2.0	123E–2.0	10	5.4b,4.8		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.

(228) Near east coast of eastern Honshu

JMA	**X**	**30 01 41 12.7–.10**	**36.75N**	**141.25E**	**33–1**	**3.4**		
NIED	X	30 01 41 00	36.70N	141.30E	5	3.5W		**¶603697667**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ42.00000°,λ-64.00000°. NP2:ϕ_s6.00000°,δ53.00000°,λ-111.00000°. $M_0$2.20000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**X**	**30 02 15 54.2–.73**	**35.58N–.04**	**140.14E–.05**	**67–6**	**4.0b**	**47**	**0-118**
NIED	X	30 02 15 00	35.60N	140.20E	62	4.0W		**¶601874270**
ISCJB	X	30 02 15 53.1–.38	35.57N–.03	140.14E–.05	72–3	3.9b		
JMA	X	30 02 15 53.3–.20	35.64N	140.16E	66–2	4.0		
IDC	X	30 02 15 54.2–1.6	35.54N	140.07E	66–15	4.0,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ49.00000°,λ-2.00000°. NP2:ϕ_s218.00000°,δ88.00000°,λ-139.00000°. $M_0$1.22000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.3km az=161.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ76.00000°,λ-163.00000°. NP2: ϕ_s124.00000°,δ73.00000°,λ-15.00000°. Principal axes: T Plg2.0000°,Azm351.0000° ; N Plg68.0000°,Azm256.0000°; P Plg22.0000°,Azm82.0000°
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=75.0.

(22) Queen Charlotte Islands region

ISC	**X**	**30 02 49 01.3–.42**	**52.15N–.03**	**132.11W–.03**	**10–2**	**6.1s,5.8b**	**2182**	**0-163**
BJI	X	30 02 48 57.5	52.28N	132.01W	5	6.2s,6.1b		**¶601867005**
PGC	X	30 02 48 58.4–3.7	52.13N	132.32W	19–0	6.1W,5.6L		
IDC	X	30 02 48 59.7–.38	52.23N	132.12W	0	5.9,5.9s		
MOS	X	30 02 49 00.1–1.1	52.25N	132.11W	10	6.1s,6.0b		
ISCJB	X	30 02 49 00.6–.09	52.31N–.01	131.91W–.02	11	6.1s,5.7b		
NEIC	X	30 02 49 02.0–.00	52.32N	132.07W	11	6.1s,5.7b		
NEIC	X	30 02 49 02.3–.13	52.37N	131.90W	9	6.2W,6.2W		
GCMT	X	30 02 49 07.3–.10	52.15N	132.11W	12	6.2W,6.2W		
NEIC	X	30 02 49 26.4–.00	52.27N	131.96W	10	6.2W,6.2W		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 129km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=57.0.
MOS Error ellipse: s-maj=6.6km s-min=3.3km az=106.5.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.0km az=139.3.
NEIC Event type se. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.90 $M_{\theta\theta}$1.14 $M_{\phi\theta}$0.76 $M_{r\theta}$-0.98 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.27 Best double couple: NP1:ϕ_s109.00000° ,δ57.00000°,λ-113.00000°. NP2:ϕ_s327.00000°,δ40.00000°,λ-58.00000°. Principal axes: T 2.0400,Plg9.0000°,Azm215.0000°; N 0.2500,Plg19.0000°,Azm122.0000° ; P -2.2800,Plg68.0000°,Azm329.0000° $M_0$2.20000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=1.4km az=49.0. Felt in Haida Gwaii. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.37 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$1.80000×10^{18} Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s135.00000° ,δ57.00000°,λ-85.00000°. Principal axes: T 1.1700,Plg12.0000°,Azm221.0000° ; N -0.1200,Plg4.0000°,Azm312.0000°; P -1.0500,Plg78.0000°,Azm60.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s58.00000°,δ57.00000° ,λ-156.00000°. NP2:ϕ_s315.00000°,δ70.00000°,λ-35.00000°. Principal axes: T Plg8.0000° ,Azm9.0000°; N Plg0.0000°,Azm0.0000°; P Plg39.0000°,Azm273.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c278; s144,c589; Duration: 3ŝ1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.40±.01 $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.61±.03; Best double couple: NP1:ϕ_s316.00000°,δ53.00000° ,λ-83.00000°. NP2:ϕ_s126.00000°,δ38.00000°,λ-99.00000°. Principal axes: T 2.6400,Plg8.0000°,Azm42.0000°; N -0.1310,Plg5.0000°,Azm132.0000° ; P -2.5090,Plg81.0000°,Azm257.0000° $M_0$2.57400×10^{18}
NEIC Event type se. Moment Tensor Solution. s55 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.34 $M_{\theta\theta}$1.53 $M_{\phi\phi}$0.81 $M_{r\theta}$0.03 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s296.00000° ,δ42.00000°,λ-105.00000°. NP2:ϕ_s136.00000°,δ49.00000°,λ-76.00000°. Principal axes: T 2.3400,Plg4.0000°,Azm217.0000°; N 0.1000,Plg10.0000°,Azm307.0000° ; P -2.4400,Plg79.0000°,Azm108.0000° $M_0$2.40000×10^{18}

(123) Northern Chile

ISC	**X**	**30 05 22 17.2–.42**	**23.05S–.03**	**69.72W–.04**	**74–3**	**4.2b**	**166**	**0-166**
ISCJB	X	30 05 22 15.8–.21	23.07S–.02	69.72W–.04	81–2	4.0b		**¶601859278**
SJA	X	30 05 22 16.7–.70	23.00S	69.72W	71–3	4.6L,4.2W		
NEIC	X	30 05 22 17.0–.00	22.99S	69.70W	69	4.8L,4.2b		
GUC	X	30 05 22 17.2–.49	22.99S	69.70W	69–2	4.8L,4.2b		
IDC	X	30 05 22 17.5–.69	23.04S	69.61W	79–4	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=2.8km az=172.2.
SJA Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Calama, Oficina Maria Elena and Sierra Gorda and [III] at San Pedro de Atacama and Tocopilla. Also felt at Antofagasta. After GUC.
GUC Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=15.0km az=36.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**30 05 50 32.8–1.8**	**36.87N–.04**	**141.29E–.06**	**10–10**	**3.6b**	**31**	**0-147**
NIED	X	30 05 50 00	36.90N	141.40E	8	4.0W		**¶602000434**
IDC	X	30 05 50 31.1–.89	36.82N	141.18E	0	3.9,3.7		
ISCJB	X	30 05 50 33.4–1.1	36.86N–.04	141.34E–.07	26–6	3.6b,3.7		
JMA	X	30 05 50 33.4–.10	36.88N	141.35E	32–1	4.0,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ35.00000°,λ-105.00000°. NP2:ϕ_s224.00000°,δ56.00000°,λ-80.00000°. $M_0$1.01000×10^{15}
IDC Error ellipse: s-maj=27.2km s-min=17.7km az=167.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.8km az=15.6.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**X**	**30 10 10 42.5–1.6**	**36.19N–.04**	**141.22E–.05**	**8–10**	**4.5b**	**79**	**1-81**
NIED	X	30 10 10 00	36.20N	141.40E	5	4.1W		**¶601874273**
IDC	X	30 10 10 40.7–.81	36.10N	141.14E	0	4.3,4.0		
JMA	X	30 10 10 42.4–.10	36.13N	141.26E	41–2	3.8,4.0		
NEIC	X	30 10 10 46.3–.24	36.12N	141.11E	35	4.5b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ44.00000°,λ-119.00000°. NP2:ϕ_s64.00000°,δ53.00000°,λ-65.00000°. $M_0$1.81000×10^{15}
IDC Error ellipse: s-maj=24.9km s-min=18.3km az=116.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.6km az=142.0. Recorded [1 JMA] in Ibaraki.

(228) Near east coast of eastern Honshu

ISC	**X**	**30 10 13 37.0–1.8**	**36.15N–.04**	**141.17E–.06**	**4–11**	**4.2b**	**38**	**1-56**
NIED	X	30 10 13 00	36.20N	141.30E	5	3.7W		**¶602000464**
IDC	X	30 10 13 36.0–1.3	36.09N	141.24E	0	4.0,3.9b		
ISCJB	X	30 10 13 36.7–.91	36.15N–.03	141.37E–.05	18–6	4.2b,3.9b		
JMA	X	30 10 13 38.0–.10	36.16N	141.26E	38–2	4.0,3.9b		
NEIC	X	30 10 13 41.2–.36	36.11N	141.10E	35	4.2b,3.9b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ37.00000°,λ-110.00000°. NP2:ϕ_s49.00000°,δ55.00000°,λ-75.00000°. $M_0$3.35000×10^{14}
IDC Error ellipse: s-maj=27.3km s-min=25.6km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.6km az=21.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.5km az=142.0. Recorded [2 JMA] in Ibaraki.

(136) Central Chile

ISC	**X**	**30 12 46 24.8–.96**	**29.63S–.05**	**70.9W–.20**	**111–8**	**3.7b**	**28**	**1-153**
IDC	X	30 12 46 19.8–1.2	29.69S	71.68W	0	3.9,3.8		**¶602000477**
GUC	X	30 12 46 24.3–.61	29.64S	70.92W	105–4	4.2L,3.8		
NEIC	X	30 12 46 24.0–.00	29.64S	70.92W	105	4.2L,3.8		
SJA	X	30 12 46 31.8–1.4	29.79S	71.31W	75–17	4.1W,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=65.0km s-min=34.3km az=83.0.
GUC Error ellipse: s-maj=2.4km s-min=31.9km az=-1.0.
NEIC Event type fe. Felt [II] at Coquimbo, La Higuera and La Serena. After GUC.
SJA Error ellipse: s-maj=10.2km s-min=21.1km az=-1.0.

(160) Off east coast of North Island

ISC	**X**	**30 13 12 30.2–.69**	**37.84S–.04**	**177.52E–.04**	**68–5**	**5.2b**	**319**	**0-167**
MOS	X	30 13 12 24.8–1.4	37.58S	177.72E	33	5.0b		**¶601861593**
IDC	X	30 13 12 28.8–1.3	38.00S	177.66E	64–8	5.0,4.9		
NEIC	X	30 13 12 29.9–.66	37.90S	177.73E	75–5	5.1b,4.9L		
ISCJB	X	30 13 12 29.4–.28	37.80S–.03	177.55E–.04	72–2	5.0b,4.9L		
WEL	X	30 13 12 30.8–.20	38S–2.0	178E–2.0	37–4	5.0b,4.9L		
GCMT	X	30 13 12 30.9–.40	37.87S–.03	177.69E–.03	65–3	4.8W,4.9L		

ISC Event type fe.
NEIC Event type fe. Felt at Whakatane. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16} Nm; M_{rr}2.55 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$-0.98 $M_{r\theta}$-1.78 $M_{\theta\phi}$-1.65 $M_{\phi r}$0.12 Best double couple: NP1: ϕ_s29.00000°,δ36.00000°,λ53.00000°. NP2:ϕ_s252.00000°,δ62.00000°,λ114.00000°. Principal axes: T 3.3300,Plg65.0000°,Azm204.0000°; N -0.0800,Plg21.0000°,Azm60.0000° ; P -3.2600,Plg13.0000°,Azm325.0000° $M_0$3.30000×10^{16}
ISCJB Event type fe.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s64,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.24±.15 $M_{\theta\theta}$-0.81±.12; $M_{\phi\phi}$-0.43±.11; $M_{r\theta}$0.58±.09; $M_{\theta\phi}$-1.17±.08; $M_{\phi r}$1.28±.06; Best double couple: NP1:ϕ_s29.00000°,δ68.00000°,λ69.00000°. NP2:ϕ_s255.00000°,δ30.00000°,λ132.00000°. Principal axes: T 1.9330,Plg61.0000° ,Azm267.0000°; N 0.3460,Plg20.0000°,Azm37.0000°; P -2.2830,Plg20.0000°,Azm135.0000° $M_0$2.10800×10^{16}

(122) Near coast of northern Chile

ISC	**X**	**30 21 44 14.5–.58**	**24.68S–.04**	**70.12W–.06**	**81–5**	**4.3b**	**92**	**0-149**
SJA	X	30 21 44 11.9–1.3	24.73S	70.31W	70	3.9W,3.9L		**¶601864423**
ISCJB	X	30 21 44 12.9–.34	24.71S–.02	70.23W–.06	90–4	4.0b,3.9L		
GUC	X	30 21 44 14.2–.69	24.64S	70.09W	79–6	4.0L,3.9L		
NEIC	X	30 21 44 14.0–.00	24.64S	70.09W	79	4.1b,4.0L		
IDC	X	30 21 44 15.7–.65	24.61S	69.81W	83–5	4.2,4.0		

ISC Event type fe.
SJA Error ellipse: s-maj=4.2km s-min=10.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=3.8km az=0.6.
GUC Error ellipse: s-maj=4.1km s-min=6.7km az=-1.0.
NEIC Event type fe. Felt [III] at Taltal. After GUC.
IDC Error ellipse: s-maj=20.5km s-min=18.7km az=67.0.

(2) Southern Alaska

ISC	**X**	**30 22 02 46.5–.43**	**61.50N–.03**	**150.74W–.03**	**72–3**	**4.5b**	**525**	**0-147**
MOS	X	30 22 02 44.4–.87	61.56N	150.99W	66	5.0b		**¶601864424**
ISCJB	X	30 22 02 45.3–.15	61.55N–.02	150.73W–.03	74–1	4.4b		
IDC	X	30 22 02 46.1–.56	61.54N	151.01W	70–4	4.2,4.1		
NEIC	X	30 22 02 47.1–.00	61.49N	150.72W	65	4.4W,4.3b		

ISC Event type fe.
MOS Error ellipse: s-maj=11.6km s-min=5.0km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=21.8.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=104.0.
NEIC Event type fe. Felt [III] at Anchorage and Girdwood and [II] at Kenai and Willow. Also felt at Eagle River, Elmendorf AFB, Soldotna, Talkeetna and Wasilla. After AEIC. Moment Tensor Solution. s75 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.19 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$4.22 $M_{r\theta}$1.81 $M_{\theta\phi}$-0.49 $M_{\phi r}$2.85 Best double couple: NP1:ϕ_s195.00000°,δ64.00000°,λ-71.00000°. NP2:ϕ_s336.00000° ,δ32.00000°,λ-124.00000°. Principal axes: T 5.1000,Plg17.0000°,Azm271.0000° ; N 0.5900,Plg17.0000°,Azm6.0000°; P -5.6900,Plg65.0000°,Azm139.0000° $M_0$5.40000×10^{15}

(249) Luzon

ISC	**X**	**31 02 07 21.2–1.1**	**14.94N–.02**	**121.53E–.04**	**17–8**	**4.0b,2.9s**	**61**	**1-87**
IDC	X	31 02 07 19.0–.76	14.93N	121.60E	0	4.0,3.9b		**¶602000559**
MAN	X	31 02 07 22.6	14.99N	121.41E	12	4.9b,3.8L		
NEIC	X	31 02 07 24.0–.25	14.91N	121.57E	35	4.5b,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=21.3km s-min=12.5km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.9km az=81.0. Felt [III PIVS] at Cainta, Makati, Pasig, Quezon City, Rodriguez and Taguig.

(1) Central Alaska

ISC	**X**	**31 02 57 42.1–.83**	**62.06N–.02**	**146.56W–.03**	**47–9**	**4.1b**	**130**	**0-47**
IDC	X	31 02 57 39.4–.92	62.03N	146.22W	0	4.1,3.7		**¶601864432**
ISCJB	X	31 02 57 41.4–.18	62.06N–.01	146.56W–.04	59–4	3.9b,3.2s		
NEIC	X	31 02 57 43.2–.00	62.05N	146.55W	42	4.4b,4.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=10.1km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=156.8.
NEIC Event type fe. Felt [II] at Glennallen. Also felt at Anchorage. After AEIC. Moment Tensor Solution. s50 Moment tensor: Scale 10^{15}Nm; M_{rr}0.36 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$0.84 $M_{r\theta}$0.07 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s246.00000°,δ67.00000°,λ14.00000°. NP2:ϕ_s151.00000° ,δ77.00000°,λ156.00000°. Principal axes: T 1.3200,Plg26.0000°,Azm106.0000° ; N 0.1600,Plg63.0000°,Azm304.0000°; P -1.4800,Plg7.0000°,Azm200.0000° $M_0$1.40000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**X**	**31 04 28 01.6–1.1**	**38.91N–.05**	**141.95E–.08**	**51–8**	**3.9b**	**38**	**0-145**
ISCJB	X	31 04 28 00.4–.71	38.91N–.04	141.95E–.08	57–5	3.9b,3.1s		**¶602000574**
NIED	X	31 04 28 00	38.90N	141.90E	53	4.0W,3.1s		
JMA	X	31 04 28 01.5–.10	38.92N	141.93E	51–1	3.9,3.1s		
IDC	X	31 04 28 02.9–2.3	38.90N	141.84E	63–19	3.9,3.8		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.7km az=19.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ24.00000°,λ86.00000°. NP2:ϕ_s15.00000°,δ66.00000°,λ92.00000°. $M_0$1.10000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=13.5km az=102.0.

(227) Eastern Honshu

ISC	**X**	**31 06 50 01.8–.61**	**35.99N–.04**	**139.92E–.04**	**50–5**	**4.3b,3.5s**	**178**	**0-148**
MOS	X	31 06 50 00.9–.97	36.02N	139.81E	57	4.6b,3.5s		**¶601864577**
NIED	X	31 06 50 00	36.10N	139.90E	53	4.5W,3.5s		
ISCJB	X	31 06 50 00.4–.35	36.02N–.03	139.90E–.04	54–2	4.3b,3.5s		
JMA	X	31 06 50 01.4–.10	36.04N	139.93E	44–1	4.4,3.5s		
IDC	X	31 06 50 01.8–1.3	35.97N	139.80E	53–12	4.3,4.1		
NEIC	X	31 06 50 02.6–.43	35.99N	139.81E	59–3	4.5b,4.1		

ISC Event type fe.
MOS Error ellipse: s-maj=9.6km s-min=5.9km az=107.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ24.00000°,λ129.00000°. NP2:ϕ_s47.00000°,δ72.00000°,λ74.00000°. $M_0$6.97000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.2km az=13.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s44.00000°,δ72.00000°,λ86.00000°. NP2: ϕ_s237.00000°,δ19.00000°,λ103.00000°. Principal axes: T Plg63.0000°,Azm307.0000° ; N Plg4.0000°,Azm45.0000°; P Plg27.0000°,Azm137.0000°
IDC Error ellipse: s-maj=13.3km s-min=6.8km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.7km az=100.0. Felt [II] at Tokyo. Felt widely in east-central Honshu. Recorded [3 JMA] in Ibaraki, Saitama and Tochigi.

(34) Off coast of northern California

ISC	**X**	**31 13 00 16.6–.91**	**41.96N–.06**	**126.91W–.08**	**10**	**3.8b,3.0s**	**85**	**2-90**
ISCJB	X	31 13 00 15.2–.57	41.95N–.03	126.91W–.06	10	3.9b,3.0s		**¶601867021**
NEIC	X	31 13 00 15.0–.89	41.80N	127.05W	10	4.2b,3.0s		
IDC	X	31 13 00 19.6–1.4	42.48N	126.32W	0	3.8,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=159.2.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=5.2km az=67.0. Felt at North Bend, Oregon.
IDC Error ellipse: s-maj=25.2km s-min=12.8km az=43.0.

(115) Near coast of Peru

ISC	**XI**	**01 01 37 31.2–.49**	**12.07S–.06**	**76.23W–.06**	**35**	**4.5b,3.7s**	**59**	**1-144**
ARE	XI	01 01 37 26.0–.00	11.82S	76.02W	57	4.5b,3.7s		**¶601867318**
ISCJB	XI	01 01 37 28.5–.38	12.11S–.04	76.17W–.04	33	4.4b,3.8s		
IDC	XI	01 01 37 28.9–.75	12.01S	75.93W	0	4.3,4.1		
NEIC	XI	01 01 37 30.2–.74	12.28S	76.43W	52–8	4.7L,4.6b		

ISC Event type fe.
ARE Event type se.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=145.2.
IDC Error ellipse: s-maj=26.0km s-min=15.9km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=7.1km az=63.0. Felt [III] at Matucana and [II] at La Oroya and Lima.

(22) Queen Charlotte Islands region

ISC	**XI**	**01 03 16 00.2–.48**	**52.44N–.03**	**131.94W–.04**	**12–2**	**5.0b,4.9s**	**1036**	**0-163**
PGC	XI	01 03 15 56.6–3.6	52.29N	132.27W	25–0	5.2W,5.0b		**¶601867047**
IDC	XI	01 03 15 57.8–.44	52.40N	132.14W	0	4.6,4.6		
BJI	XI	01 03 15 57.6	52.60N	131.90W	10	5.5b,5.1s		
MOS	XI	01 03 15 59.2–1.1	52.49N	132.00W	16	5.3b,4.7s		
ISCJB	XI	01 03 16 00.5–.37	52.55N–.02	131.89W–.03	26–2	5.0b,4.8s		
NEIC	XI	01 03 16 01.5–.65	52.55N	132.02W	20–4	5.2W,5.0b		
GCMT	XI	01 03 16 04.5–.10	52.32N–.01	132.18W–.02	12	5.3W,5.0b		

ISC Event type fe.
PGC Event type ke. 110km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe.
NEIC Event type fe. Felt at Queen Charlotte and Skidegate. Moment Tensor Solution. $M_0$8.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c89; s131,c237;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21±.01 $M_{\theta\theta}$0.68±.02; $M_{\phi\phi}$0.53±.01; $M_{r\theta}$0.09±.04; $M_{\theta\phi}$-0.55±.01; $M_{\phi r}$-0.18±.05; Best double couple: NP1:ϕ_s315.00000°,δ50.00000°,λ-85.00000°.

NP2:ϕ_s128.00000°,δ41.00000°,λ-95.00000°. Principal axes: T 1.1800,Plg5.0000° ,Azm42.0000°; N 0.0540,Plg3.0000°,Azm132.0000°; P -1.2300,Plg84.0000°,Azm259.0000° $M_0$1.20500×10^{17}

(221) Kuril Islands

ISC	**XI**	**01 06 57 22.7–.47**	**49.32N–.04**	**155.70E–.03**	**59–3**	**5.2b,4.5s**	**1404**	**1-157**
BJI	XI	01 06 57 17.2	49.36N	156.09E	45	5.2b,5.0b		**¶601867061**
KRSC	XI	01 06 57 19.8–2.3	49.30N	155.78E	76–30	5.5L,5.0b		
ISCJB	XI	01 06 57 21.4–.36	49.36N–.02	155.61E–.02	56–2	5.2b,4.4s		
MOS	XI	01 06 57 22.4–1.1	49.39N	155.61E	71	5.4b,4.4s		
IDC	XI	01 06 57 22.1–.50	49.41N	155.52E	49–4	5.0,4.8		
GCMT	XI	01 06 57 22.5–.20	49.23N–.02	155.89E–.02	40–0	5.1W,4.8		
NEIC	XI	01 06 57 23.5–.45	49.40N	155.49E	60–4	5.2b,4.8		

ISC Event type se.

KRSC Event type se. FELT [II] at cape Vasilyeva, Severo-Kurilsk; [felt] at RNS Podgornay, lighthouse Chibuiny, lighthouse Kurbatova, cape Lopatka no.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=1.8km az=157.8.

MOS Event type fe. Error ellipse: s-maj=7.3km s-min=3.6km az=73.4. Felt (II) at Severo-Kuril'sk. Moment Tension Solution.

IDC Error ellipse: s-maj=9.8km s-min=7.2km az=151.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s79,c108; s94,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.18±.14 $M_{\theta\theta}$-1.22±.11; $M_{\phi\phi}$-2.97±.10; $M_{r\theta}$0.65±.10; $M_{\theta\phi}$-2.41±.07; $M_{\phi r}$2.38±.09; Best double couple: NP1:ϕ_s25.00000°,δ60.00000°,λ79.00000°. NP2:ϕ_s226.00000°,δ32.00000°,λ108.00000°. Principal axes: T 4.9010,Plg73.0000° ,Azm267.0000°; N 0.3280,Plg10.0000°,Azm31.0000°; P -5.2390,Plg14.0000°,Azm123.0000° $M_0$5.07000×10^{16}

NEIC Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=157.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**01 07 53 10.8–1.2**	**35.67N–.05**	**141.02E–.07**	**15–6**	**3.6b**	**27**	**0-91**
NIED	XI	01 07 53 00	35.70N	140.90E	14	3.9W		**¶602388669**
IDC	XI	01 07 53 08.5–.73	35.69N	141.07E	0	3.8,3.7		
ISCJB	XI	01 07 53 10.4–.82	35.69N–.04	141.05E–.08	23–5	3.7b,3.7		
JMA	XI	01 07 53 12.2–.20	35.70N	140.95E	14–1	4.0,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ36.00000°,λ-69.00000°. NP2:ϕ_s165.00000°,δ57.00000°,λ-104.00000°. $M_0$9.08000×10^{14}

IDC Error ellipse: s-maj=18.5km s-min=17.3km az=73.0.

ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.9km az=172.4.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(128) Jujuy Province

ISC	**XI**	**01 12 02 00.2–.46**	**23.91S–.03**	**65.06W–.06**	**10**	**4.1b,3.7s**	**78**	**1-165**
ISCJB	XI	01 12 01 58.9–.34	23.94S–.03	64.84W–.05	10	3.9b,3.8s		**¶601867657**
IDC	XI	01 12 01 58.9–.70	23.83S	65.05W	0	4.4L,4.1		
SJA	XI	01 12 01 59.5–.69	23.94S	65.01W	10–44	4.4L,4.3W		
NEIC	XI	01 12 02 03.3–1.5	23.95S	64.96W	31–11	4.4,4.2b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=0.9.

IDC Error ellipse: s-maj=23.2km s-min=21.2km az=80.0.

SJA Error ellipse: s-maj=2.1km s-min=24.3km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.6km az=80.0. Felt [IV] in the epicentral area.

(277) Jawa

ISC	**XI**	**01 14 12 01.9–.22**	**6.75S–.03**	**107.48E–.03**	**149–1**	**5.5b**	**1675**	**0-179**
BJI	XI	01 14 12 00.0	6.80S	107.50E	140	5.4b,5.4b		**¶601867660**
MOS	XI	01 14 12 00.9–1.1	6.54S	107.63E	146	5.4b,4.6s		
GCMT	XI	01 14 12 01.8–.10	7.06S–.01	107.59E–.01	147–0	5.7W,4.6s		
IDC	XI	01 14 12 01.8–.20	6.68S	107.60E	143–1	5.6,5.2		
NEIC	XI	01 14 12 01.8–.42	6.76S	107.53E	142–3	5.9,5.8b		
DJA	XI	01 14 12 01.6–.10	7S–2.0	107E–1.0	142–1	6.8,6.2b		
ISCJB	XI	01 14 12 01.0–.21	6.76S–.02	107.52E–.02	153–1	5.4b,6.2b		
NEIC	XI	01 14 12 01.0–.00	7.02S	107.50E	140	5.4b,6.2b		
KLM	XI	01 14 12 02.0	7.09S	107.26E	149	5.9b,6.2b		

ISC Event type fe.

MOS Error ellipse: s-maj=7.5km s-min=4.3km az=123.1.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c259; s131,c320; Duration: 1$\frac{s}{7}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$-0.65±.05; $M_{\phi\phi}$-0.91±.05; $M_{r\theta}$-4.12±.03; $M_{\theta\phi}$-0.02±.05; $M_{\phi r}$-1.22±.04; Best double couple: NP1:ϕ_s253.00000° ,δ83.00000°,λ91.00000°. NP2:ϕ_s64.00000°,δ7.00000°,λ81.00000°. Principal axes: T 4.8800,Plg52.0000°,Azm164.0000°; N -0.8810,Plg1.0000°,Azm73.0000° ; P -4.0030,Plg38.0000°,Azm342.0000° $M_0$4.44200×10^{17}

IDC Error ellipse: s-maj=6.6km s-min=5.3km az=56.0.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.3km az=48.0. Felt [IV] at Cianjur, [III] at Bandung and [II] at Jakarta and Palmerah. Felt throughout western Java. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tension Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}1.80 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-1.08 $M_{r\theta}$-4.09 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s257.00000°,δ81.00000°,λ92.00000°. NP2:ϕ_s61.00000°,δ9.00000°,λ75.00000°. Principal axes: T 4.8900,Plg54.0000° ,Azm169.0000°; N -1.0200,Plg2.0000°,Azm76.0000°; P -3.8700,Plg36.0000°,Azm345.0000° $M_0$4.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ1.00000°,λ90.00000°. NP2:ϕ_s255.00000°,δ89.00000°,λ90.00000°. Principal axes: T Plg46.0000°,Azm165.0000°; N Plg0.0000°,Azm0.0000°; P Plg44.0000° ,Azm345.0000°

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=36.1.

NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-0.59 $M_{r\theta}$-3.92 $M_{\theta\phi}$-0.45 $M_{\phi r}$-1.20 Best double couple: NP1:ϕ_s252.00000° ,δ81.00000°,λ93.00000°. NP2:ϕ_s52.00000°,δ10.00000°,λ70.00000°. Principal axes: T 4.5200,Plg54.0000°,Azm166.0000°; N -0.3600,Plg3.0000°,Azm71.0000° ; P -4.1600,Plg35.0000°,Azm338.0000° $M_0$4.40000×10^{17}

(14) Kenai Peninsula

ISC	**XI**	**01 14 13 35.3–.77**	**60.78N–.03**	**151.97W–.04**	**98–6**	**3.6b**	**161**	**0-77**
ISCJB	XI	01 14 13 33.7–.21	60.78N–.02	151.90W–.04	101–3	3.5b		**¶602031571**
IDC	XI	01 14 13 33.6–1.8	60.80N	152.29W	75–22	4.0,3.9		
NEIC	XI	01 14 13 36.0–.00	60.77N	151.97W	85	4.1L,3.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.6km az=39.8.

IDC Error ellipse: s-maj=22.4km s-min=13.0km az=112.0.

NEIC Event type fe. Felt [II] at Soldotna. Also felt at Anchorage and Kenai. After AEIC.

(731) North of Honduras

ISC	**XI**	**01 15 30 47.9–.38**	**16.99N–.03**	**85.56W–.04**	**10**	**4.8b,3.9s**	**452**	**4-145**
ISCJB	XI	01 15 30 46.8–.19	16.98N–.02	85.49W–.02	10	4.7b,3.9s		**¶601867667**
IDC	XI	01 15 30 46.4–1.2	16.76N	85.43W	0	4.4,4.1L		
NEIC	XI	01 15 30 48.6–.20	16.96N	85.50W	10	4.7b,4.1L		
UCR	XI	01 15 30 50.2–1.6	17.00N	85.58W	33	4.7b,4.1L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=13.6.

IDC Error ellipse: s-maj=34.0km s-min=19.0km az=12.0.

NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=3.1km az=74.0. Felt at Guanaja and Jonesville.

UCR Error ellipse: s-maj=10.3km s-min=23.3km az=-1.0.

(238) Ryukyu Islands

JMA	**XI**	**01 17 25 18.5–.20**	**29.21N**	**129.13E**	**10–1**	**3.3**		**¶606054809**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**01 23 37 17.6–.30**	**1.20N–.03**	**122.15E–.03**	**32–1**	**5.2b,4.8s**	**552**	**1-178**
BJI	XI	01 23 37 11.9	0.71N	122.39E	33	5.4b,5.1b		**¶601867837**
MOS	XI	01 23 37 15.9–1.2	1.24N	122.16E	33	5.4b,4.8s		
ISCJB	XI	01 23 37 16.8–.34	1.26N–.02	122.18E–.02	39–3	5.1b,4.8s		
IDC	XI	01 23 37 17.5–1.8	1.20N	122.10E	35–14	5.1L,4.8		
DJA	XI	01 23 37 17.6–.40	1N–2.0	122E–1.0	23–3	5.7b,5.7		
GCMT	XI	01 23 37 17.7–.10	1.51N–.01	122.01E–.01	32–0	5.5W,5.7		
NEIC	XI	01 23 37 18.2–.13	1.23N	122.11E	35	5.4W,5.3b		
KLM	XI	01 23 37 20.0	1.34N	122.17E	48	5.4b,5.3b		

ISC Event type fe.

MOS Error ellipse: s-maj=8.7km s-min=5.2km az=113.3.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=163.7.

IDC Error ellipse: s-maj=12.3km s-min=7.8km az=72.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c222; s126,c219;Duration: 1$\frac{s}{4}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.54±.03 $M_{\theta\theta}$-1.62±.02; $M_{\phi\phi}$0.07±.02; $M_{r\theta}$-1.66±.04; $M_{\theta\phi}$0.29±.02; $M_{\phi r}$0.09±.04; Best double couple: NP1:ϕ_s275.00000°,δ68.00000°,λ86.00000°. NP2:ϕ_s105.00000°,δ22.00000°,λ99.00000°. Principal axes: T 2.2520,Plg67.0000° ,Azm178.0000°; N 0.1120,Plg4.0000°,Azm276.0000°; P -2.3690,Plg23.0000°,Azm8.0000° $M_0$2.31100×10^{17}

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=65.0. Felt [III] at Buol and Gorontalo. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s62.00000°,δ26.00000° ,λ64.00000°. NP2:ϕ_s271.00000°,δ67.00000°,λ102.00000°. Principal axes: T 1.1600,Plg66.0000°,Azm203.0000°; N 0.3500,Plg11.0000°,Azm86.0000° ; P -1.5100,Plg21.0000°,Azm352.0000° $M_0$1.40000×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	**XI**	**02 01 52 06.2–.48**	**55.78N–.03**	**163.06E–.03**	**31–3**	**5.5s,5.4b**	**1690**	**0-169**
BJI	XI	02 01 51 59.6	55.97N	163.00E	8	6.1s,5.9		**¶601867848**
IDC	XI	02 01 52 01.7–.41	55.84N	162.85E	0	5.3,5.3s		
KRSC	XI	02 01 52 03.2–.95	55.75N	163.29E	46–17	5.6L,5.3s		
NEIC	XI	02 01 52 03.4–1.2	55.89N	162.80E	9–7	5.5W,5.5b		
MOS	XI	02 01 52 06.5–.85	55.85N	162.86E	50	5.6b,5.4s		
ISCJB	XI	02 01 52 06.3–.26	55.84N–.02	162.92E–.02	46–2	5.4s,5.4b		
GCMT	XI	02 01 52 08.3–.10	55.74N–.01	163.56E–.01	23–0	5.6W,5.4b		

ISC Event type se.

KRSC Event type se. FELT [III] at cape Afrika, Krutoberegovo, Ust-Kamchatsk; [felt] at Nikolskoe, GMS Kronoki no.

NEIC Event type se. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.39 $M_{\theta\phi}$0.42 $M_{\phi r}$2.49 Best double couple: NP1:ϕ_s123.00000° ,δ10.00000°,λ29.00000°. NP2:ϕ_s5.00000°,δ85.00000°,λ99.00000°. Principal axes: T 2.8800,Plg49.0000°,Azm284.0000°; N -0.6000,Plg9.0000°,Azm184.0000° ; P -2.2800,Plg40.0000°,Azm87.0000° $M_0$2.60000×10^{17}

MOS Event type fe. Felt (III) at Ust'-Kamchatsk. Moment Tensor Solution.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c204; s133,c302; Duration: 1$\frac{s}{5}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.34±.04 $M_{\theta\theta}$-0.21±.03; $M_{\phi\phi}$-2.13±.03; $M_{r\theta}$0.62±.06; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$1.67±.06; Best double couple: NP1:ϕ_s18.00000°,δ64.00000° ,λ93.00000°. NP2:ϕ_s192.00000°,δ26.00000°,λ84.00000°. Principal axes: T 2.9500,Plg71.0000°,Azm294.0000°; N -0.0670,Plg2.0000°,Azm197.0000° ; P -2.8800,Plg19.0000°,Azm106.0000° $M_0$2.91500×10^{17}

(22) Queen Charlotte Islands region

ISC	**XI**	**02 07 15 44.2–1.1**	**52.39N–.04**	**131.91W–.04**	**13–6**	**4.3b,3.5s**	**382**	**0-151**
NEIC	XI	02 07 15 40.5–.00	52.19N	131.94W	6	4.5W,4.2b		**¶601869830**
PGC	XI	02 07 15 41.1–3.2	52.24N	131.90W	19–0	4.8L,4.5W		
IDC	XI	02 07 15 41.5–.62	52.32N	131.96W	0	4.4,4.2		
ISCJB	XI	02 07 15 43.0–.57	52.48N–.02	131.78W–.04	11–4	4.3b,3.6s		
MOS	XI	02 07 15 43.1–.87	52.49N	131.91W	17	4.6b,3.6s		

ISC Event type fe.

NEIC Event type fe. Felt at Queen Charlotte and Sandspit. After OTT. Moment Tensor Solution. $M_0$6.30000×10^{15}

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 112km south of Sandspit, Bc Haida Gwaii Region.

IDC Error ellipse: s-maj=11.4km s-min=6.0km az=46.0.

ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=1.9km az=144.0.

MOS Error ellipse: s-maj=12.8km s-min=5.2km az=116.1.

(122) Near coast of northern Chile

ISC	**XI**	**02 09 07 25.1–.46**	**21.24S–.03**	**70.51W–.05**	**43–4**	**4.4b**	**134**	**1-164**
ISCJB	XI	02 09 07 25.0–.45	21.25S–.02	70.48W–.06	57–5	4.4b,3.5s		**¶601868137**
NEIC	XI	02 09 07 25.0–.00	21.27S	70.36W	61	4.4L,4.4b		
GUC	XI	02 09 07 25.8–.62	21.28S	70.37W	61–5	4.4L,4.4b		
IDC	XI	02 09 07 25.6–.48	21.12S	70.09W	50–4	4.1,4.0		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.7km az=177.3.

NEIC Event type fe. Felt [III] at Tocopilla. After GUC.

GUC Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.

IDC Error ellipse: s-maj=21.6km s-min=12.2km az=68.0.

(613) Hawaiian Islands

NEIC	**XI**	**02 14 17 35.0–.00**	**19.30N**	**155.22W**	**10**	**3.8L**		**¶602032260**

NEIC Event type fe. Felt [III] at Hilo and Volcano. Also felt at Captain Cook, Hakalau, Honomu, Kea'au, Kurtistown, Mountain View, Ninole, Pa'auilo, Pahoa, Papa'ikou and Pepeekeo. After HVO.

(221) Kuril Islands

ISC	**XI**	**02 17 56 06.7–1.1**	**43.40N–.07**	**146.82E–.05**	**45–9**	**3.8b**	**69**	**0-83**
NIED	XI	02 17 56 00	43.40N	146.80E	50	3.9W		**¶602388731**
MOS	XI	02 17 56 04.4–1.4	43.30N	146.87E	49	4.2b		
ISCJB	XI	02 17 56 06.0–.72	43.42N–.06	146.81E–.06	56–5	3.8b		
JMA	XI	02 17 56 06.6–.30	43.37N	146.77E	36–3	4.0		
SKHL	XI	02 17 56 07.1–.50	43.47N	146.81E	59–5	4.4b		
IDC	XI	02 17 56 07.3–2.6	43.39N	146.75E	53–23	3.8,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ25.00000°,λ41.00000°. NP2:ϕ_s84.00000°,δ74.00000°,λ109.00000°. $M_0$7.58000×10^{14}

MOS Error ellipse: s-maj=10.9km s-min=8.0km az=91.5.

ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.2km az=143.7.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

IDC Error ellipse: s-maj=35.0km s-min=17.5km az=165.0.

(259) Mindanao

ISC	**XI**	**02 18 17 34.7–.24**	**9.24N–.02**	**126.28E–.03**	**55–1**	**5.9b,5.6s**	**2391**	**1-172**
BJI	XI	02 18 17 28.3	8.88N	126.34E	39	5.9b,5.9s		**¶601868898**
NEIC	XI	02 18 17 32.7–.08	9.22N	126.16E	37	6.2b,6.1		
MOS	XI	02 18 17 32.9–1.0	9.20N	126.15E	53	6.3b,5.6s		
MAN	XI	02 18 17 33.2	9.31N	126.40E	28	6.6b,6.5s		
NEIC	XI	02 18 17 33.0–.00	9.25N	126.57E	40	6.6b,6.5s		
IDC	XI	02 18 17 33.7–.97	9.24N	126.11E	40–8	5.8,5.6		
ISCJB	XI	02 18 17 34.7–.26	9.25N–.01	126.24E–.01	65–2	5.8b,5.6		
GCMT	XI	02 18 17 35.7–.10	9.23N	126.48E	46–0	6.1W,5.6		
DJA	XI	02 18 17 37.1–.30	9N–2.0	126E–2.0	62–3	6.7,6.4b		
KLM	XI	02 18 17 40.0	9.13N	126.49E	99	6.1b,6.4b		
NEIC	XI	02 18 17 48.9–.00	9.43N	126.28E	47	6.1b,6.4b		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=73.0. Felt [V PIVS] at General Luna and Tandag; [IV PIVS] at Butuan, Cagdianao, Dapa, Kitcharao, Magallanes, Socorro, Surigao and Tubajon; [III PIVS] at Basilisa, Bislig and Libjo; [II PIVS] at Davao, Magsaysay and Santiago. Also felt at Cabadbaran, Cagayan de Oro, Cortes, General Santos, Lagonglong, Lanuza, Madrid, Naawan, Panabo, Santa Cruz and Sibagat. Felt [II PIVS] at Cebu City, Cebu. Also felt at Mambajao, Camiguin Island, at Borongan and Guiuan, Samar and at Maasin and Tacloban, Leyte. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}1.12 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-1.49 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s167.00000°,δ46.00000°,λ66.00000°. NP2:ϕ_s20.00000° ,δ49.00000°,λ113.00000°. Principal axes: T 1.2000,Plg73.0000°,Azm359.0000° ; N 0.3000,Plg17.0000°,Azm184.0000°; P -1.5000,Plg1.0000°,Azm93.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s159.00000°,δ46.00000°,λ63.00000°. NP2:ϕ_s15.00000°,δ50.00000°,λ115.00000°. Principal axes: T Plg71.0000°,Azm352.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm88.0000°

MOS Error ellipse: s-maj=6.1km s-min=3.5km az=112.8.

NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.07 $M_{\theta\phi}$0.22 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s355.00000° ,δ56.00000°,λ96.00000°. NP2:ϕ_s164.00000°,δ34.00000°,λ81.00000°. Principal axes: T 1.5900,Plg77.0000°,Azm287.0000°; N -0.1300,Plg5.0000°,Azm171.0000° ; P -1.4600,Plg10.0000°,Azm80.0000° $M_0$1.50000×10^{18}

IDC Error ellipse: s-maj=9.9km s-min=6.5km az=77.0.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=149.6.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c341; s144,c486; Duration: 2$\frac{s}{7}$7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.62±.01; $M_{r\theta}$0.27±.01; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s4.00000°,δ52.00000° ,λ105.00000°. NP2:ϕ_s160.00000°,δ41.00000°,λ71.00000°. Principal axes: T 1.5990,Plg77.0000°,Azm328.0000°; N 0.0820,Plg12.0000°,Azm174.0000° ; P -1.6860,Plg6.0000°,Azm83.0000° $M_0$1.64200×10^{18}

NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{18}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.18 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s168.00000° ,δ49.00000°,λ84.00000°. NP2:ϕ_s357.00000°,δ41.00000°,λ97.00000°. Principal axes: T 1.8200,Plg84.0000°,Azm35.0000°; N -0.0100,Plg4.0000°,Azm171.0000° ; P -1.8100,Plg4.0000°,Azm262.0000° $M_0$1.80000×10^{18}

(45) California-Baja California border region

ISC	**XI**	**02 20 03 36.8–1.1**	**32.63N–.03**	**115.70W–.02**	**16–7**		**52**	**0-3**
ANF	XI	02 20 03 37.3–.44	32.66N	115.71W	24–3	2.2L		**¶601870053**
ISCJB	XI	02 20 03 37.4–.44	32.63N–.03	115.70W–.03	23–3	2.2L		
ECX	XI	02 20 03 38.7–.76	32.61N	115.72W	4	2.8L,2.6		
NEIC	XI	02 20 03 38.4–.00	32.60N	115.69W	4	2.8L,2.7L		
PAS	XI	02 20 03 38.0–.00	32.60N	115.71W	8	2.8L,2.7L		
SCEDC	XI	02 20 03 38.1	32.60N	115.71W	10	2.8L,2.7L		

ISC Event type fe.
ANF Error ellipse: s-maj=4.4km s-min=1.8km az=167.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=168.6.
ECX Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.
NEIC Event type fe. Felt at Mexicali. Also felt at El Centro and Pine Valley, California. After ECX.
PAS Event type se.

(460) Wyoming

ISC	**XI**	**02 21 07 18.9–.56**	**43.81N–.03**	**105.32W–.03**	**0**		**73**	**1-61**
ISCJB	XI	02 21 07 16.8–.30	43.86N–.02	105.25W–.03	0	4.5b		**¶602388741**
ANF	XI	02 21 07 18.8–.75	43.72N	105.38W		3.8L		
NEIC	XI	02 21 07 18.8–.35	43.85N	105.28W	0	3.5L		
IDC	XI	02 21 07 18.2–.91	43.92N	105.57W	0	4.3b,4.1		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=3.2km s-min=2.7km az=155.1.
ANF Error ellipse: s-maj=9.3km s-min=7.2km az=124.0.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=4.7km az=141.0. 52 km [32 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.7km s-min=8.1km az=146.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**02 22 34 18.0–.46**	**37.63N–.03**	**141.72E–.03**	**28–2**	**4.9b,4.3s**	**604**	**1-149**
NIED	XI	02 22 34 00	37.60N	141.80E	32	4.9W,4.3s	**¶601869336**	
IDC	XI	02 22 34 14.3–.45	37.65N	141.65E	0	4.8,4.7		
JMA	XI	02 22 34 16.8–.10	37.62N	141.75E	29–2	5.0,4.7		
BJI	XI	02 22 34 16.5	37.64N	141.85E	42	5.0b,4.9b		
ISCJB	XI	02 22 34 19.0–.33	37.69N–.02	141.59E–.03	38–2	4.8b,4.2s		
GCMT	XI	02 22 34 20.5–.30	37.67N–.02	141.66E–.02	25–1	4.9W,4.2s		
MOS	XI	02 22 34 20.8–.87	37.92N	141.46E	44	5.2b,4.1s		
NEIC	XI	02 22 34 21.5–.38	37.68N	141.54E	46–3	4.8b,4.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ67.00000°,λ1.00000°. NP2:ϕ_s19.00000°,δ89.00000°,λ157.00000°. M_o2.34000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=9.9km az=104.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=29.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s83,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.88±.14 $M_{\theta\theta}$1.16±.09; $M_{\phi\phi}$-2.05±.10; $M_{r\theta}$0.74±.20; $M_{\theta\phi}$1.81±.08; $M_{\phi r}$1.55±.20; Best double couple: NP1:ϕ_s15.00000°,δ78.00000°,λ141.00000°. NP2:ϕ_s115.00000°,δ52.00000°,λ15.00000°. Principal axes: T 2.9140,Plg35.0000° ,Azm328.0000°; N 0.2720,Plg50.0000°,Azm181.0000°; P -3.1940,Plg16.0000°,Azm70.0000° M_o3.05400×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=4.4km az=113.5.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=132.0. Felt at Sendai. Recorded [4 JMA] in Fukushima.

(135) Near coast of central Chile

ISC	**XI**	**02 23 42 37.3–.53**	**34.79S–.04**	**71.82W–.07**	**49–5**	**4.5b**	**85**	**0-120**
SJA	XI	02 23 42 22.5–1.2	35.35S	72.73W	33	4.7L,4.3W	**¶601869842**	
ISCJB	XI	02 23 42 36.7–.42	34.80S–.03	71.80W–.07	60–3	4.5b,4.3W		
GUC	XI	02 23 42 36.5–.53	34.85S	71.79W	60–4	4.6L,4.3W		
NEIC	XI	02 23 42 36.0–.00	34.85S	71.79W	60	4.6L,4.5b		
IDC	XI	02 23 42 37.3–.64	34.76S	71.62W	47–6	4.2,4.1		

ISC Event type fe.
SJA Error ellipse: s-maj=19.1km s-min=23.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=4.4km az=19.8.
GUC Error ellipse: s-maj=3.6km s-min=5.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Curico, Duao, Hualane, Iloca, Lolol, Longavi and Romeral; [III] at Constitucion, Linares, Maule, Molina, Paredones, Pelarco, Pencahue, Pichilemu, San Clemente, San Fernando, San Javier, Santa Cruz, Talca and Villa Alegre; [II] at Colbun and Rancagua. After GUC. Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}2.08 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-1.78 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.52 $M_{\phi r}$-2.25 Best double couple: NP1:ϕ_s182.00000° ,δ69.00000°,λ80.00000°. NP2:ϕ_s29.00000°,δ23.00000°,λ114.00000°. Principal axes: T 3.1500,Plg64.0000°,Azm76.0000°; N -0.2700,Plg9.0000°,Azm186.0000° ; P -2.8800,Plg24.0000°,Azm280.0000° M_o3.00000×10^{15}
IDC Error ellipse: s-maj=23.1km s-min=14.4km az=79.0.

(221) Kuril Islands

ISC	**XI**	**03 01 42 04.5–1.1**	**50.61N–.07**	**158.09E–.06**	**82–7**	**4.0b**	**153**	**1-79**
KRSC	XI	03 01 42 03.0–2.0	50.66N	158.23E	80–23	4.6L	**¶601869341**	
MOS	XI	03 01 42 03.4–1.0	50.60N	157.93E	84	4.2b		
ISCJB	XI	03 01 42 04.3–.75	50.68N–.05	157.97E–.09	86–4	4.0b		
IDC	XI	03 01 42 08.3–2.4	50.76N	157.81E	104–17	4.0,3.8		

ISC Event type se.
KRSC Event type se. FELT [I-II] at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=12.7km s-min=4.2km az=87.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.3km az=42.2.
IDC Error ellipse: s-maj=21.3km s-min=16.6km az=140.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**03 02 01 22.2–.95**	**35.53N–.04**	**140.11E–.05**	**70–7**	**3.7b**	**31**	**0-59**
NIED	XI	03 02 01 00	35.60N	140.20E	68	3.6W	**¶602388750**	
ISCJB	XI	03 02 01 21.2–.54	35.53N–.04	140.11E–.05	76–4	3.5b		
JMA	XI	03 02 01 21.4–.20	35.59N	140.11E	69–2	3.3		
IDC	XI	03 02 01 26.4–1.9	35.28N	139.27E	82–13	3.7,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ2.00000°,λ-3.00000°. NP2:ϕ_s183.00000°,δ90.00000°,λ-92.00000°. M_o3.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=161.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=61.9km s-min=10.4km az=69.0.

(202) New Guinea

ISC	**XI**	**03 02 08 23.1–.43**	**5.65S–.06**	**142.06E–.08**	**25**	**4.8b**	**74**	**3-151**
ISCJB	XI	03 02 08 21.2–.32	5.64S–.04	142.10E–.05	25	4.7b,3.4s	**¶601869843**	
DJA	XI	03 02 08 23.5–.70	6S–4.0	142E–7.0	10	5.3,5.0b		
NEIC	XI	03 02 08 25.4–.91	5.55S	142.03E	44–9	4.5b,5.0b		
IDC	XI	03 02 08 26.1–2.1	5.53S	142.25E	47–20	4.5,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.4km az=3.7.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.6km az=80.0. Felt at Kiunga.
IDC Error ellipse: s-maj=29.0km s-min=15.7km az=79.0.

(244) Taiwan

TAP	**XI**	**03 08 06 30.3**	**22.46N**	**120.41E**	**25–0**	**3.2L**		
NEIC	XI	03 08 06 29.9–.00	22.37N	120.43E	40	4.5L	**¶602051262**	
TAP	B.							

NEIC Event type fe. Recorded [1 TAP] in Kaohsiung. After TAP.

(235) Kyushu

ISC	**XI**	**03 16 56 36.2–1.4**	**31.55N–.04**	**131.82E–.07**	**33–6**	**3.4b**	**27**	**0-76**
NIED	XI	03 16 56 00	31.50N	131.90E	26	3.9W	**¶602388776**	
IDC	XI	03 16 56 31.9–1.1	31.48N	131.68E	0	3.5,3.4		
ISCJB	XI	03 16 56 35.9–.81	31.56N–.04	131.87E–.08	48–7	3.4b,2.9s		
JMA	XI	03 16 56 35.9–.10	31.54N	131.87E	24–1	3.8,2.9s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ43.00000°,λ135.00000°. NP2:ϕ_s23.00000°,δ61.00000°,λ56.00000°. M_o7.95000×10^{14}
IDC Error ellipse: s-maj=28.0km s-min=11.6km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.9km az=10.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ87.00000°,λ82.00000°. NP2: ϕ_s282.00000°,δ8.00000°,λ161.00000°. Principal axes: T Plg47.0000°,Azm293.0000° ; N Plg8.0000°,Azm31.0000°; P Plg42.0000°,Azm128.0000°

(460) Wyoming

ISC	**XI**	**03 17 59 53.9–1.1**	**43.38N–.09**	**105.45W–.06**	**0**		**9**	**1-10**
IDC	XI	03 17 59 57.9–2.6	43.34N	105.26W	0	3.6,3.4	**¶602388777**	
NEIC	XI	03 18 00 00.8–.59	43.81N	105.35W	0	2.7L,3.4		

ISC Event type sm.
IDC Error ellipse: s-maj=62.1km s-min=10.6km az=157.0.
NEIC Event type fm. Error ellipse: s-maj=9.3km s-min=7.7km az=149.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.

(249) Luzon

ISC	**XI**	**03 18 40 53.9–.74**	**17.48N–.03**	**120.19E–.04**	**50–8**	**4.3b,3.6s**	**143**	**1-87**
MAN	XI	03 18 40 50.1	17.69N	119.92E	30	5.3b,4.4s	**¶601869861**	
ISCJB	XI	03 18 40 53.5–.30	17.49N–.02	120.31E–.03	67–4	4.3b,4.4s		
NEIC	XI	03 18 40 53.1–.58	17.45N	120.38E	50–6	4.4b,4.4s		
IDC	XI	03 18 40 56.8–2.9	17.39N	120.38E	85–29	4.0,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=8.5.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=94.0. Felt [III PIVS] at Cauayan, Santa Catalina, San Vicente and Vigan; [II PIVS] at Bantay, Burgos, Narvacan, Santa and Santa Maria.
IDC Error ellipse: s-maj=25.0km s-min=12.3km az=72.0.

(230) Near south coast of eastern Honshu

ISC	**XI**	**03 18 50 28.2–1.0**	**35.61N–.03**	**139.46E–.05**	**32–8**		**24**	**0-59**
ISCJB	XI	03 18 50 28.1–.58	35.61N–.03	139.49E–.07	41–9	3.5b	**¶602388780**	
JMA	XI	03 18 50 28.7–.10	35.64N	139.43E	31–1	3.3		
IDC	XI	03 18 50 30.4–2.2	35.50N	139.18E	52–17	3.6L,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=4.7km az=179.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s34.00000°,δ85.00000°,λ82.00000°. NP2: ϕ_s274.00000°,δ9.00000°,λ150.00000°. Principal axes: T Plg49.0000°,Azm295.0000° ; N Plg8.0000°,Azm34.0000°; P Plg40.0000°,Azm131.0000°
IDC Error ellipse: s-maj=69.8km s-min=11.9km az=69.0.

(221) Kuril Islands

ISC	**XI**	**03 22 35 54.9–.73**	**42.99N–.06**	**146.91E–.06**	**38–2**	**4.0b,3.3s**	**89**	**1-83**
NIED	XI	03 22 35 00	43.00N	146.80E	59	3.9W,3.3s	**¶602031594**	
MOS	XI	03 22 35 54.3–.92	42.95N	146.84E	50	4.3b,3.3s		
ISCJB	XI	03 22 35 54.9–.66	43.02N–.04	146.85E–.05	57–5	3.9b,3.3s		
JMA	XI	03 22 35 55.8–.10	43.04N	146.80E	61–2	4.0,3.3s		
SKHL	XI	03 22 35 56.3–.60	43.07N	146.86E	66–5	4.6b,3.3s		
IDC	XI	03 22 35 57.9–2.9	42.99N	146.91E	72–26	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ51.00000°,λ127.00000°. NP2:ϕ_s21.00000°,δ52.00000°,λ54.00000°. M_o7.34000×10^{14}
MOS Error ellipse: s-maj=11.5km s-min=8.1km az=97.7.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=136.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=16.8km az=101.0.

(186) Vanuatu Islands

ISC	**XI**	**04 00 16 32.3–.54**	**14.85S–.04**	**167.35E–.05**	**138–4**	**4.9b**	**230**	**7-166**
MOS	XI	04 00 16 31.3–.92	14.81S	167.35E	146	4.8b	**¶601870067**	
IDC	XI	04 00 16 31.5–.73	14.84S	167.38E	132–5	4.9,4.5		
BJI	XI	04 00 16 32.4	14.34S	167.27E	127	4.8b,4.6b		
ISCJB	XI	04 00 16 32.0–.95	14.86S–.03	167.37E–.04	151–9	4.8b,4.6b		
NEIC	XI	04 00 16 32.7–.67	14.83S	167.34E	142–6	4.9b,4.6b		
GCMT	XI	04 00 16 33.6–.30	14.68S–.02	167.11E–.02	129–2	5.1W,4.6b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Luganville.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c40; s79,c115;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.12 $M_{\theta\theta}$-0.04±.16; $M_{\phi\phi}$-0.27±.14; $M_{r\theta}$1.34±.10; $M_{\theta\phi}$5.39±.14; $M_{\phi r}$0.76±.10; Best double couple: NP1:ϕ_s92.00000°,δ82.00000°,λ14.00000°. NP2:ϕ_s360.00000°,δ76.00000°,λ172.00000°. Principal axes: T 5.6510,Plg16.0000° ,Azm316.0000°; N -0.0760,Plg74.0000°,Azm121.0000°; P -5.5750,Plg4.0000° ,Azm225.0000° M_o5.61300×10^{16}

(116) Central Peru

ISC	**XI**	**04 01 52 13.3–.40**	**12.01S–.04**	**75.76W–.05**	**108–3**	**4.9b**	**645**	**1-172**
ISCJB	XI	04 01 52 10.8–.44	11.94S–.02	75.77W–.03	98–4	4.8b	**¶601869885**	
MOS	XI	04 01 52 10.9–1.0	11.95S	75.79W	98	4.8b		
NEIC	XI	04 01 52 12.4–.11	12.03S	75.69W	102	4.9b,4.7L		
ARE	XI	04 01 52 12.0–.00	12.13S	76.03W	110	4.9b,4.7L		
IDC	XI	04 01 52 13.3–.65	12.01S	75.86W	108–5	4.6,4.4		
GCMT	XI	04 01 52 15.4–.30	12.06S–.02	75.79W–.04	118–3	4.8W,4.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Yauyos and [III] at Lima and Santiago de Tuna. Also felt at Chosica, Coayllo, Huanza, Imperial, Palmeras, Pusucancha, Rinconada Alta, San Borja and Surco.
ARE Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c47; s74,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96±.08 $M_{\theta\theta}$2.34±.11; $M_{\phi\phi}$-0.37±.14; $M_{r\theta}$0.08±.08; $M_{\theta\phi}$0.55±.12; $M_{\phi r}$-0.74±.10; Best double couple: NP1:ϕ_s58.00000°,δ50.00000°,λ-120.00000°. NP2:ϕ_s280.00000°,δ48.00000°,λ-59.00000°. Principal axes: T 2.4480,Plg1.0000° ,Azm169.0000°; N -0.1770,Plg22.0000°,Azm78.0000°; P -2.2660,Plg68.0000° ,Azm261.0000° M_o2.35700×10^{16}

(117) Southern Peru

ISC	**XI**	**04 06 37 36.4–.28**	**15.98S–.03**	**72.03W–.04**	**122–2**	**5.4b**	**1370**	**1-173**
ISCJB	XI	04 06 37 32.6–.38	15.80S–.02	72.00W–.03	95–3	5.4b	**¶601870073**	
MOS	XI	04 06 37 34.2–1.2	15.78S	72.06W	104	5.5b		
ARE	XI	04 06 37 35.0–.00	15.99S	72.28W	116	5.5b		
GUC	XI	04 06 37 36.5–.38	16.59S	72.35W	160–25	5.4L,5.1W		
BJI	XI	04 06 37 36.4	15.82S	72.67W	122	5.2b,5.1W		
GCMT	XI	04 06 37 37.3–.20	16.07S–.01	72.18W–.01	134–0	5.5W,5.1W		
IDC	XI	04 06 37 37.1–.53	15.80S	71.81W	119–4	5.2,4.9		
NEIC	XI	04 06 37 38.3–.11	15.87S	71.88W	138	5.4b,5.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=7.9km s-min=4.7km az=102.7.
ARE Event type se.
GUC Error ellipse: s-maj=9.2km s-min=13.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c153; s110,c191;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$0.51±.03; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-1.63±.03; $M_{\phi r}$-1.23±.03; Best double couple: NP1:ϕ_s360.00000°,δ85.00000°,λ-39.00000°. NP2:ϕ_s94.00000°,δ51.00000°,λ-174.00000°. Principal axes: T 2.3660,Plg23.0000° ,Azm53.0000°; N -0.6210,Plg51.0000°,Azm174.0000°; P -1.7440,Plg30.0000° ,Azm309.0000° M_o2.05500×10^{17}
IDC Error ellipse: s-maj=9.6km s-min=8.1km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=68.0. Felt [IV] at Aplao and [III] at Arequipa, Camana, Mollendo and Ocona.

(228) Near east coast of eastern Honshu

JMA	**XI**	**04 09 03 08.5–.10**	**38.45N**	**142.13E**	**32–1**	**3.5**		
								¶606055939

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(48) Baja California

ISC	**XI**	**04 09 53 09.4–.39**	**24.60N–.04**	**110.10W–.05**	**15**	**4.5b,4.4s**	**513**	**1-129**
IDC	XI	04 09 53 05.8–.54	24.70N	110.15W	0	4.6,4.4	**¶601870075**	
MEX	XI	04 09 53 06.6–.30	24.70N	110.21W	8–7	4.5,4.4		
ISCJB	XI	04 09 53 08.2–.22	24.56N–.02	110.15W–.02	15	4.4b,4.1s		
NEIC	XI	04 09 53 08.6–.24	24.48N	110.13W	10	4.4,4.4b		
GCMT	XI	04 09 53 09.6–.30	24.83N–.03	110.19W–.02	17–1	4.8W,4.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at La Paz, Baja California Sur.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c28; s71,c112;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87±.17 $M_{\theta\theta}$-0.12±.10; $M_{\phi\phi}$1.99±.11; $M_{r\theta}$0.55±.28; $M_{\theta\phi}$-1.23±.05; $M_{\phi r}$0.38±.22; Best double couple: NP1:ϕ_s177.00000°,δ51.00000°,λ-59.00000°. NP2:ϕ_s313.00000°,δ48.00000°,λ-123.00000°. Principal axes: T 2.5590,Plg2.0000° ,Azm246.0000°; N -0.3940,Plg24.0000°,Azm336.0000°; P -2.1630,Plg66.0000° ,Azm152.0000° M_o2.36100×10^{16}

(125) Southern Bolivia

ISC	**XI**	**04 19 08 25.0–.53**	**20.41S–.03**	**67.96W–.04**	**172–4**	**4.8b**	**319**	**1-172**
MOS	XI	04 19 08 22.8–1.1	20.28S	67.85W	158	5.0b	**¶601871340**	
ISCJB	XI	04 19 08 23.9–.18	20.46S–.02	67.95W–.03	176–2	4.8b		
NEIC	XI	04 19 08 24.0–.53	20.35S	67.80W	158–5	5.0L,4.9b		

GUC XI 04 19 08 25.7–.76 20.41S 68.29W 182–6 5.0L,4.9b
IDC XI 04 19 08 25.8–1.1 20.26S 67.76W 173–8 4.8,4.4
BJI XI 04 19 08 25.4 20.40S 67.90W 159 5.0b,4.4
SCB XI 04 19 08 27.0–2.3 20.45S 67.82W 17–12 5.0L,4.4
GCMT XI 04 19 08 30.0–.20 20.40S–.01 68.09W–.02 188–1 5.2W,4.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Mamina and [II] at Cuya and La Tirana, Chile. Also felt at Iquique.
SCB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c58; s92,c127;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.18 $M_{\theta\theta}$2.38±.19; $M_{\phi\phi}$-2.51±.23; $M_{r\theta}$2.69±.12; $M_{\theta\phi}$-3.11±.18; $M_{\phi r}$-6.06±.16; Best double couple: NP1:ϕ_s159.00000°,δ90.00000°,λ59.00000°. NP2:ϕ_s69.00000°,δ31.00000°,λ179.00000°. Principal axes: T 7.9650,Plg38.0000° ,Azm42.0000°; N -0.5060,Plg31.0000°,Azm159.0000°; P -7.4540,Plg37.0000° ,Azm276.0000° M_o7.70900×10^{16}

(71) Near coast of Guatemala

ISC	**XI**	**04 19 12 55.8–.99**	**13.92N–.07**	**91.44W–.05**	**77–8**	**4.5b**	**323**	**1-148**
ISCJB	XI	04 19 12 55.7–.47	13.90N–.04	91.39W–.03	92–4	4.5b		**¶601871341**
SNET	XI	04 19 12 56.0–.00	13.94N	91.42W	35	4.5b		
NEIC	XI	04 19 12 56.2–.65	13.98N	91.36W	73–5	4.7,4.6b		
UCR	XI	04 19 12 57.1–1.7	13.44N	91.36W	35–999	4.6b,4.3L		
IDC	XI	04 19 13 01.9–1.1	14.46N	90.81W	109–8	4.4,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=36.7.
SNET Event type se.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.5km az=213.0. Felt at Antigua Guatemala and San Marcos La Laguna. Felt [II] at San Salvador, El Salvador.
UCR Error ellipse: s-maj=55.0km s-min=22.4km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=10.9km az=47.0.

(115) Near coast of Peru

ISC	**XI**	**04 20 29 38.9–.87**	**13.46S–.09**	**75.85W–.08**	**55**	**3.5b**	**21**	**2-146**
ISCJB	XI	04 20 29 37.2–.61	13.42S–.06	75.66W–.07	55	3.5b		**¶601888176**
NEIC	XI	04 20 29 38.0–.00	13.58S	76.02W	85	4.0L		
IDC	XI	04 20 29 41.7–2.2	13.29S	75.83W	83–13	3.6,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=5.2km az=139.7.
NEIC Event type fe. Felt [II] at Chincha Alta. After ARE.
IDC Error ellipse: s-maj=44.9km s-min=12.1km az=35.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**04 20 49 52.0–.59**	**36.31N–.03**	**141.01E–.04**	**27–3**	**4.5b,3.8s**	**183**	**0-118**
NIED	XI	04 20 49 00	36.30N	141.00E	26	4.4W,3.8s		**¶606056245**
BJI	XI	04 20 49 51.2	36.00N	140.64E	29	4.8b,4.8b		
ISCJB	XI	04 20 49 51.3–.56	36.33N–.03	141.01E–.04	33–3	4.5b,3.7s		
JMA	XI	04 20 49 51.9–.10	36.33N	140.95E	38–1	4.3,3.7s		
MOS	XI	04 20 49 52.9–1.3	36.41N	140.90E	41	4.9b,3.7s		
NEIC	XI	04 20 49 53.3–.35	36.27N	140.85E	35	4.6b,3.7s		
IDC	XI	04 20 49 54.8–1.8	36.30N	140.77E	43–17	4.3,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s293.00000°,δ12.00000°,λ-173.00000°. NP2:ϕ_s196.00000°,δ88.00000°,λ-78.00000°. M_o4.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.3km az=12.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s192.00000°,δ49.00000°,λ-79.00000°. NP2: ϕ_s355.00000°,δ43.00000°,λ-103.00000°. Principal axes: T Plg3.0000°,Azm274.0000° ; N Plg8.0000°,Azm4.0000°; P Plg81.0000°,Azm164.0000°
MOS Error ellipse: s-maj=8.9km s-min=5.3km az=115.8.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=7.4km az=100.0. Recorded [3 JMA] in Ibaraki.
IDC Error ellipse: s-maj=14.8km s-min=10.1km az=87.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**04 21 38 05.0–1.0**	**35.56N–.05**	**140.03E–.05**	**72–8**		**26**	**0-55**
ISCJB	XI	04 21 38 04.2–.66	35.55N–.04	140.04E–.06	77–5	3.5b		**¶606056272**
JMA	XI	04 21 38 04.9–.20	35.62N	140.01E	69–2	2.9		
IDC	XI	04 21 38 07.9–3.5	35.17N	139.51E	78–32	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.6km az=139.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=72.4km s-min=28.7km az=61.0.

(377) Spain

ISC	**XI**	**05 00 14 14.2–1.4**	**43.86N–.04**	**6.28W–.03**	**14–11**		**161**	**1-8**
INMG	XI	05 00 14 17.4–1.6	43.85N	6.28W	16–6	2.8L		**¶601871351**
MDD	XI	05 00 14 18.5–.55	43.83N	6.34W	21–1	2.9		
LDG	XI	05 00 14 18.5–.15	43.82N	6.38W	20	3.0L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=124.0.
MDD Event type fe. Error ellipse: s-maj=7.4km s-min=3.3km az=160.0. EMS: I-II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=130.0.

(229) Off east coast of Honshu

ISC	**XI**	**05 04 30 28.0–.28**	**37.82N–.03**	**143.74E–.03**	**32–1**	**5.7b,5.2s**	**1982**	**2-160**
NIED	XI	05 04 30 00	37.80N	143.70E	11	5.5W,5.2s		**¶601871361**
ISCJB	XI	05 04 30 23.4–.54	37.82N–.02	143.64E–.01	7–3	5.6b,5.2s		
IDC	XI	05 04 30 23.3–.39	37.80N	143.74E	0	5.3,5.3		
BJI	XI	05 04 30 24.1	37.87N	143.37E	10	5.8b,5.5s		
JMA	XI	05 04 30 25.9–.10	37.85N	143.65E	47	5.7,5.5s		
NEIC	XI	05 04 30 26.7–1.1	37.79N	143.61E	19–6	5.7b,5.6W		
MOS	XI	05 04 30 26.5–1.2	38.00N	143.62E	28	5.9b,5.2s		
NEIC	XI	05 04 30 26.0–.00	37.78N	143.78E	15	5.9b,5.2s		
GCMT	XI	05 04 30 27.7–.10	37.86N–.01	143.69E–.01	17–0	5.6W,5.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ34.00000°,λ-77.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-99.00000°. M_o1.74000×10^{17}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Felt at Chiba, Tokyo and Tsukuba. Recorded [2 JMA] in Fukushima, Iwate and Miyagi. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$-2.46 $M_{\phi\phi}$3.20 $M_{r\theta}$0.08 $M_{\theta\phi}$1.75 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s61.00000°,δ83.00000° ,λ4.00000°. NP2:ϕ_s331.00000°,δ86.00000°,λ173.00000°. Principal axes: T 3.7800,Plg7.0000°,Azm286.0000°; N -0.8100,Plg82.0000°,Azm122.0000° ; P -2.9600,Plg2.0000°,Azm16.0000° M_o3.40000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.87 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$1.96 $M_{r\theta}$0.09 $M_{\theta\phi}$1.15 $M_{\phi r}$-1.79 Best double couple: NP1:ϕ_s5.00000°,δ66.00000° ,λ-109.00000°. NP2:ϕ_s227.00000°,δ31.00000°,λ-52.00000°. Principal axes: T 3.0200,Plg18.0000°,Azm109.0000°; N -0.3400,Plg18.0000°,Azm13.0000° ; P -2.6800,Plg63.0000°,Azm242.0000° M_o2.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c172; s128,c317;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.58±.04 $M_{\theta\theta}$-1.09±.03; $M_{\phi\phi}$2.67±.03; $M_{r\theta}$0.30±.09; $M_{\theta\phi}$1.32±.03; $M_{\phi r}$1.62±.09; Best double couple: NP1:ϕ_s184.00000°,δ64.00000°,λ-107.00000°. NP2:ϕ_s40.00000°,δ31.00000°,λ-58.00000°. Principal axes: T 3.6040,Plg18.0000° ,Azm287.0000°; N -1.4520,Plg15.0000°,Azm192.0000°; P -2.1520,Plg66.0000° ,Azm63.0000° M_o2.87800×10^{17}

(267) Halmahera

ISC	**XI**	**05 11 59 28.9–.34**	**1.48N–.04**	**128.25E–.05**	**90–2**	**4.7b**	**295**	**1-155**
BJI	XI	05 11 59 23.9	1.26N	128.57E	70	4.8b,4.7b		**¶601871985**
ISCJB	XI	05 11 59 27.5–.42	1.51N–.02	128.32E–.03	90–4	4.6b,4.7b		
NEIC	XI	05 11 59 28.6–.17	1.49N	128.32E	89	4.7b,4.7b		
MOS	XI	05 11 59 28.0–.91	1.55N	128.31E	96	4.4b,4.7b		
DJA	XI	05 11 59 29.1–.30	2N–3.0	128E–2.0	72–3	5.3b,5.0b		
IDC	XI	05 11 59 29.0–.42	1.51N	128.26E	91–3	4.5,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=84.0. Felt [III] at Tobelo.
MOS Error ellipse: s-maj=11.8km s-min=6.7km az=110.8.
IDC Error ellipse: s-maj=13.2km s-min=7.7km az=81.0.

(306) Xizang

ISC	**XI**	**05 13 07 59.7–.29**	**28.35N–.03**	**86.21E–.03**	**75–2**	**4.5b**	**311**	**1-153**
MOS	XI	05 13 07 55.0–.81	28.31N	86.09E	46	4.7b		**¶601874312**
BJI	XI	05 13 07 55.8	28.48N	86.17E	60	4.7b,4.6b		
ISCJB	XI	05 13 07 56.6–.35	28.43N–.02	86.25E–.02	58–4	4.4b,3.5s		
NDI	XI	05 13 07 56.6–2.7	28.44N	86.20E	20–12	4.5b,4.5L		
DMN	XI	05 13 07 58.1–.34	28.59N	86.26E	50	5.6L,4.5L		
NEIC	XI	05 13 08 00.0–.23	28.45N	86.19E	78	4.5b,4.5L		
IDC	XI	05 13 08 00.2–.35	28.34N	86.15E	77–3	4.3,4.1		

ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.7km az=21.8.
NDI Error ellipse: s-maj=6.8km s-min=3.8km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=7.6km s-min=4.0km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=46.0. Felt at Chongdui. Felt [III] at Kathmandu, Nepal. Also felt at Bhaktapur, Patan and Pokhara.
IDC Error ellipse: s-maj=9.2km s-min=7.2km az=57.0.

(244) Taiwan

ISC	**XI**	**05 13 40 29.6–.74**	**23.77N–.01**	**121.52E–.02**	**13–4**	**4.3b,3.8s**	**299**	**0-97**
BJI	XI	05 13 40 26.7	23.82N	121.51E	5	4.5b,4.5L		**¶601874313**
IDC	XI	05 13 40 26.4–.64	23.63N	121.76E	0	4.3,4.2		
JMA	XI	05 13 40 27.9–.20	23.72N	121.63E	0	4.3,4.2		
ISCJB	XI	05 13 40 29.5–.27	23.754N–.01	121.53E–.01	15–2	4.2b,3.7s		
NEIC	XI	05 13 40 29.0–.76	23.72N	121.53E	13–4	4.7L,4.6b		
TAP	XI	05 13 40 29.7	23.78N	121.44E	14–0	4.9L,4.6b		
ASIES	XI	05 13 40 30.3	23.80N	121.50E	20	4.1W,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=14.5km az=70.0.
JMA Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=40.1.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.3km az=128.0. Felt at Taipei. Recorded [5 TAP] in Hualien, [3 TAP] in Yilan, [2 TAP] in Nantou and [1 TAP] in Changhua, Chiayi, Hsinchu, Miaoli, Taitung, Taoyuan and Yunlin. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}2.79 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.50 $M_{\theta\phi}$-2.15 $M_{\phi r}$-1.07 Best double couple: NP1:ϕ_s208.00000°,δ52.00000°,λ59.00000°. NP2:ϕ_s73.00000°,δ47.00000°,λ124.00000°. Principal axes: T 3.3200,Plg66.0000°,Azm56.0000°; N 0.2800,Plg24.0000°,Azm228.0000° ; P -3.6000,Plg3.0000°,Azm320.0000° M_o3.50000×10^{15}
TAP B.

(123) Northern Chile

ISC	**XI**	**05 17 32 51.7–.45**	**27.49S–.04**	**69.30W–.04**	**108–4**	**4.4b**	**291**	**1-151**
ISCJB	XI	05 17 32 50.2–.21	27.42S–.02	69.27W–.03	104–2	4.5b		**¶601874865**
SJA	XI	05 17 32 50.3–.80	27.50S	69.39W	124–7	4.6W,4.5L		
GUC	XI	05 17 32 51.5–.49	27.74S	69.11W	57–29	4.5L,4.5L		
NEIC	XI	05 17 32 51.8–.28	27.54S	69.12W	107	4.8b,4.6L		
IDC	XI	05 17 32 52.3–.61	27.49S	69.15W	109–5	4.4,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=174.5.
SJA Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=13.2km s-min=4.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=6.2km az=82.0. Felt [IV] at Copiapo and Tierra Amarilla and [III] at Caldera and Diego de Almagro.
IDC Error ellipse: s-maj=16.9km s-min=12.7km az=66.0.

(110) Peru-Ecuador border region

ISC	**XI**	**05 18 04 40.5–1.2**	**2.59S–.04**	**77.86W–.04**	**33–8**	**4.0b**	**160**	**1-164**
IDC	XI	05 18 04 35.6–.69	2.54S	77.65W	0	4.2,4.2L		**¶601906479**
IGQ	XI	05 18 04 40.5–.50	3S–3.0	78W–3.0	12	4.5,4.5		
ISCJB	XI	05 18 04 41.1–.54	2.74S–.03	77.71W–.04	51–7	4.1b,3.2s		
NEIC	XI	05 18 04 42.1–1.0	2.67S	77.58W	50–11	4.6b,3.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=24.8km s-min=15.2km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.2km az=179.8.
NEIC Event type fe. Error ellipse: s-maj=15.0km s-min=8.9km az=64.0. Felt lightly at Macas, Ecuador.

(290) Timor Sea

ISC	**XI**	**05 19 31 47.0–.39**	**11.45S–.04**	**129.00E–.04**	**35**	**4.4b**	**122**	**2-148**
IDC	XI	05 19 31 42.7–.59	11.23S	129.16E	0	4.6L,4.4		**¶601874867**
BJI	XI	05 19 31 45.0	11.30S	129.20E	40	4.9b,4.6b		
NEIC	XI	05 19 31 46.0–1.8	11.32S	129.12E	23–14	4.5b,4.6b		
ISCJB	XI	05 19 31 45.0–.22	11.38S–.03	129.03E–.03	33	4.3b,3.3s		
DJA	XI	05 19 31 47.5–.30	11S–3.0	129E–2.0	83–14	5.3b,5.2		
AUST	XI	05 19 31 49.5–1.4	11.55S	129.05E	39–12	5.3b,5.2		

ISC Event type fe.
IDC Error ellipse: s-maj=20.5km s-min=13.7km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.3km az=53.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=38.5.
AUST Error ellipse: s-maj=12.4km s-min=6.1km az=162.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**05 21 58 59.7–1.6**	**36.59N–.04**	**141.37E–.07**	**27–11**	**4.0b**	**45**	**1-60**
ISCJB	XI	05 21 59 00.6–.79	36.60N–.03	141.30E–.07	46–5	3.8b,2.8s		**¶602388888**
NIED	XI	05 21 59 00	36.70N	141.20E	50	4.0W,2.8s		
JMA	XI	05 21 59 02.7–.10	36.64N	141.13E	48–1	4.1,2.8s		
IDC	XI	05 21 59 04.9–2.5	36.50N	141.14E	71–22	4.0,3.9		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.3km az=10.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ56.00000°,λ-170.00000°. NP2:ϕ_s321.00000°,δ82.00000°,λ-35.00000°. M_o1.14000×10^{15}
JMA Event type fe.
IDC Error ellipse: s-maj=23.5km s-min=10.9km az=67.0.

(81) Panama

ISC	**XI**	**05 23 30 10.0–.80**	**9.33N–.05**	**78.16W–.04**	**54–10**	**4.1b**	**94**	**1-147**
ISCJB	XI	05 23 30 09.0–.30	9.29N–.03	78.18W–.02	59–5	3.9b,2.9s		**¶601874872**
UCR	XI	05 23 30 09.4–1.9	9.29N	78.19W	62	4.3b,2.9s		
IDC	XI	05 23 30 10.0–1.6	9.52N	78.10W	46–18	4.1,4.1		
NEIC	XI	05 23 30 11.2–.47	9.29N	78.19W	62–5	4.4,4.3b		
UPA	XI	05 23 30 11.0–.00	9.30N	78.20W	65	4.4,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.4km az=2.2.
UCR Error ellipse: s-maj=19.4km s-min=10.6km az=-1.0.
IDC Error ellipse: s-maj=27.5km s-min=12.7km az=16.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.2km az=202.0. Felt at Alcaldediaz, Panama and Saboga.
UPA Event type se.

(227) Eastern Honshu

ISC	**XI**	**05 23 46 02.3–.98**	**35.97N–.04**	**139.96E–.05**	**42–10**	**3.4b**	**23**	**0-56**
ISCJB	XI	05 23 46 01.5–.56	35.97N–.03	139.98E–.06	50–6	3.3b		**¶606056756**
JMA	XI	05 23 46 02.5–.10	36.00N	139.95E	43–1	3.3		
IDC	XI	05 23 46 05.2–1.9	35.78N	139.71E	70–17	3.5,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=162.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=7.6km az=64.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**06 01 36 22.3–.42**	**1.30N–.02**	**122.25E–.03**	**32–2**	**5.5b,5.2s**	**1160**	**1-178**
BJI	XI	06 01 36 14.4	1.08N	122.47E	10	5.4b,5.4s		**¶601874878**
NEIC	XI	06 01 36 20.0–.00	1.57N	122.38E	17	5.4b,5.4s		
NEIC	XI	06 01 36 21.6–1.1	1.37N	122.20E	25–7	5.7W,5.7b		
ISCJB	XI	06 01 36 21.2–.62	1.40N–.02	122.26E–.02	33–4	5.5b,5.2s		
MOS	XI	06 01 36 22.4–.91	1.41N	122.29E	49	5.7b,5.0s		
GCMT	XI	06 01 36 22.6–.10	1.58N–.01	122.15E–.01	23–0	5.6W,5.0s		
IDC	XI	06 01 36 24.4–1.6	1.31N	122.22E	52–13	5.3L,5.1		
DJA	XI	06 01 36 25.0–.20	1N–2.0	122E–1.0	51–2	6.0b,5.9		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}2.49 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$-0.08 $M_{r\theta}$-3.43 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s266.00000° ,δ72.00000°,λ87.00000°. NP2:ϕ_s96.00000°,δ18.00000°,λ100.00000°. Principal axes: T 4.2800,Plg62.0000°,Azm170.0000°; N -0.1000,Plg3.0000°,Azm266.0000° ; P -4.1700,Plg27.0000°,Azm358.0000° M_o4.20000×10^{17}
NEIC Event type fe. Felt [IV] at Bolaang, Buol and Gorontalo; [III] at Parigi.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c207; s126,c285; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.30±.05 $M_{\theta\theta}$-2.25±.04; $M_{\phi\phi}$-0.04±.04; $M_{r\theta}$-2.73±.09; $M_{\theta\phi}$0.24±.03; $M_{\phi r}$-0.09±.07; Best double couple: NP1:ϕ_s270.00000°,δ70.00000° ,λ86.00000°. NP2:ϕ_s102.00000°,δ20.00000°,λ101.00000°. Principal axes: T 3.5880,Plg65.0000°,Azm173.0000°; N -0.0480,Plg4.0000°,Azm272.0000° ; P -3.5380,Plg25.0000°,Azm3.0000° M_o3.56300×10^{17}

(470) Southern Ontario

ISC	**XI**	**06 09 05 24.8–.53**	**45.63N–.02**	**74.59W–.02**	**15**		**362**	**1-15**
ISCJB	XI	06 09 05 24.6–.13	45.63N–.01	74.69W–.01	15			**¶601875521**
NEIC	XI	06 09 05 27.9–.00	45.60N	74.61W	18	4.2		
OTT	XI	06 09 05 27.9–.05	45.60N	74.59W	6	4.2		
ANF	XI	06 09 05 28.0–.46	45.52N	74.74W	14–3	4.5L		
LDO	XI	06 09 05 28.0	45.56N	74.68W	16	4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=155.6.
NEIC Event type fe. Felt [III] at Alexandria, Champlain, Hawkesbury and Rockland; [II] Clarence-Rockland, Cornwall and Ottawa, Ontario. Also felt [III] at Rigaud and Saint-Jerome; [II] at Chateauguay, Gatineau, Laval, Montreal, Point-Claire and Saint-Sauveur-des-Monts, Quebec. Felt [II] at Brasher Falls, Massena and Potsdam, New York. Felt widely in southeastern Ontario and southern Quebec and in parts of northern New York and northern Vermont. After OTT.
OTT Event type fe. 2km east from Hawkesbury, Ontario Felt Western Quebec Seismic Zone. Felt in Hawkesbury, Buckingham, Valleyfield, Orleans, Ottawa, Metcalfe, Rockland, Osgoode, l''Orignal, Plantagenet, Kanata, Ontario Gatineau, Montreal, Low, Grenville, Brownsburg-Chatham, Saint-Lazare, Lachute, Ste-Marie Beauce, Ormstown, Saint Lambert, Cowansville, Verdun, Terrebonne, Fabreville, Melocheville, Ste-Agathe-des-Monts, St-jerome, brownsburg-chatham, Saint-Laurent, St Lazare, Mont-Laurier, Laval, Qc.
ANF Error ellipse: s-maj=2.7km s-min=1.8km az=63.0.

(478) Utah

ISC	**XI**	**06 09 13 58.1–1.1**	**41.27N–.02**	**112.70W–.03**	**7–9**		**113**	**0-14**
IDC	XI	06 09 13 56.6–.97	41.42N	112.64W	0	3.6L,3.3		**¶602051290**
NEIC	XI	06 09 13 57.7–.00	41.29N	112.72W	9	3.1L,3.3		

ISC Event type fe.
IDC Error ellipse: s-maj=28.6km s-min=6.9km az=148.0.
NEIC Event type fe. Felt at Centerville, Clearfield and Corinne. After SLC.

(43) Southern California

ISC	**XI**	**06 11 25 28.2–.89**	**34.36N–.02**	**116.91W–.02**	**8–7**		**67**	**0-23**
ANF	XI	06 11 25 27.4–.11	34.35N	116.91W	12–1	2.1L		**¶602051295**
SCEDC	XI	06 11 25 28.6	34.36N	116.90W	6	2.1L		
PAS	XI	06 11 25 28.6	34.36N	116.90W	6	2.2L		
NEIC	XI	06 11 25 28.6–.00	34.36N	116.90W	6	2.2L		

ISC Event type fe.
ANF Error ellipse: s-maj=1.0km s-min=0.8km az=77.0.
NEIC Event type fe. Felt at Big Bear Lake. After PAS.

(228) Near east coast of eastern Honshu

ISC	**XI**	**06 15 01 42.9–1.2**	**35.76N–.03**	**141.05E–.05**	**10–7**	**3.9b**	**72**	**0-148**
NIED	XI	06 15 01 00	35.80N	141.10E	11	4.2W		**¶601877573**
IDC	XI	06 15 01 41.8–.68	35.71N	140.98E	0	4.0,3.9		
ISCJB	XI	06 15 01 42.4–.65	35.75N–.03	141.10E–.05	18–4	4.0b,3.4s		
JMA	XI	06 15 01 43.6–.20	35.76N	140.99E	13–1	4.3,3.4s		
NEIC	XI	06 15 01 44.8–2.6	35.71N	140.95E	20–19	4.7b,3.4s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ37.00000°,λ-111.00000°. NP2:ϕ_s16.00000°,δ56.00000°,λ-75.00000°. $M_0$2.19000×10^{15}
IDC Error ellipse: s-maj=19.6km s-min=14.9km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.5km az=175.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=8.2km az=118.0. Recorded [3 JMA] in Chiba.

(228) Near east coast of eastern Honshu

ISC	**XI**	**06 15 03 47.0–1.2**	**35.77N–.03**	**140.96E–.08**	**16–6**	**3.7b**	**23**	**0-59**
IDC	XI	06 15 03 45.1–1.3	35.64N	140.97E	0	3.7,3.6b		**¶602388916**
ISCJB	XI	06 15 03 46.6–.88	35.75N–.04	140.99E–.09	24–4	3.6b,3.6b		
JMA	XI	06 15 03 47.1–.20	35.77N	140.98E	13–1	4.1,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=22.3km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=5.8km az=169.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(202) New Guinea

ISC	**XI**	**06 17 30 02.7–.46**	**5.69S–.05**	**141.15E–.06**	**35**	**4.5b,3.3s**	**65**	**3-152**
IDC	XI	06 17 29 57.6–.76	5.43S	141.42E	0	4.3,4.2		**¶601881266**
ISCJB	XI	06 17 30 00.9–.41	5.67S–.03	141.21E–.06	33	4.5b,3.3s		
NEIC	XI	06 17 30 03.1–.99	5.58S	141.26E	41–9	4.5b,3.3s		
DJA	XI	06 17 30 05.3–.50	6S–4.0	141E–8.0	78–10	4.9,4.8		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kiunga.

(60) Oaxaca

ISC	**XI**	**06 17 32 04.6–1.2**	**16.54N–.04**	**97.93W–.03**	**3–8**	**4.4b**	**293**	**0-141**
ISCJB	XI	06 17 32 03.4–.86	16.48N–.04	97.84W–.02	8–6	4.3b,3.3s		**¶601876335**
IDC	XI	06 17 32 05.5–1.3	16.82N	97.71W	0	4.2,4.0		
MEX	XI	06 17 32 05.6–.58	16.27N	98.00W	5	3.6,4.0		
NEIC	XI	06 17 32 10.1–.73	16.60N	97.86W	41–5	4.3b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=10.6.
IDC Error ellipse: s-maj=41.2km s-min=15.3km az=37.0.
MEX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.2km az=201.0. Felt at Tlaxiaco.

(224) Hokkaido region

ISC	**XI**	**06 23 08 10.3–1.7**	**43.15N–.07**	**145.99E–.06**	**46–13**		**27**	**0-2**
ISCJB	XI	06 23 08 09.7–.93	43.14N–.06	145.99E–.06	50–10			**¶603701279**
JMA	XI	06 23 08 09.9–.10	43.11N	145.98E	50–1	3.7		
SKHL	XI	06 23 08 10.0–1.3	43.16N	145.86E	56–3	4.2b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.0km az=143.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 00 54 47.9–2.0**	**36.95N–.04**	**141.33E–.05**	**9–12**	**4.2b**	**90**	**0-152**
NIED	XI	07 00 54 00	36.90N	141.40E	11	4.2W		**¶601991500**
ISCJB	XI	07 00 54 48.8–.80	36.93N–.03	141.41E–.05	26–5	4.1b		
JMA	XI	07 00 54 49.1–.10	36.93N	141.38E	40–1	4.3		
IDC	XI	07 00 54 51.8–4.4	36.92N	141.32E	33–33	4.0,4.0		
NEIC	XI	07 00 54 51.8–.69	36.90N	141.31E	35–6	4.4b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ42.00000°,λ-112.00000°. NP2:ϕ_s20.00000°,δ52.00000°,λ-71.00000°. $M_0$1.89000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=21.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=13.2km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.6km az=141.0. Recorded [2 JMA] in Fukushima.

(224) Hokkaido region

ISC	**XI**	**07 01 17 39.6–.75**	**41.40N–.03**	**141.31E–.04**	**91–5**	**4.1b**	**64**	**0-93**
ISCJB	XI	07 01 17 38.7–.30	41.39N–.03	141.29E–.05	100–2	4.0b		**¶602051305**
NEIC	XI	07 01 17 39.9–1.0	41.34N	141.26E	98–8	4.2b		
JMA	XI	07 01 17 39.9	41.42N	141.34E	88–1	3.1		
IDC	XI	07 01 17 40.7–2.8	41.35N	141.19E	104–24	4.1,4.0s		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.3km az=18.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.7km az=169.0.
JMA Event type fe.
IDC Error ellipse: s-maj=24.0km s-min=20.9km az=149.0.

(344) Iran-Armenia-Azerbaijan border region

ISC	**XI**	**07 06 26 32.3–.41**	**38.48N–.02**	**46.62E–.01**	**6–2**	**5.5s,5.3b**	**1519**	**0-165**
ISN	XI	07 06 26 26.8–.94	38.63N	46.61E	0–36	5.4L,5.3b		**¶601876350**
AZER	XI	07 06 26 28.0–.05	38.35N	46.45E	12–1	6.0L,5.2b		
ISCJB	XI	07 06 26 30.2–.31	38.38N–.01	46.57E–.01	3–2	5.4s,5.3b		
IDC	XI	07 06 26 30.7–.42	38.42N	46.62E	0	5.3,5.3s		
THR	XI	07 06 26 30.6–.76	38.48N	46.57E	14–5	5.6s,5.0L		
MOS	XI	07 06 26 31.5–1.5	38.41N	46.58E	14	5.4b,5.3s		
TEH	XI	07 06 26 31.2	38.46N	46.57E	10	5.4L,5.3s		
BJI	XI	07 06 26 31.0	38.50N	46.60E	10	5.7s,5.5b		
DSN	XI	07 06 26 32.9–.43	38.26N	46.56E	10	5.7s,5.5b		
NEIC	XI	07 06 26 32.8–.16	38.42N	46.62E	10	5.4W,5.4s		
DDA	XI	07 06 26 32.1	38.48N	46.50E	7	5.2L,5.4s		
GII	XI	07 06 26 32.5–.00	38.58N	46.67E	10	5.2L,5.4s		
GCMT	XI	07 06 26 32.8–.10	38.40N–.01	46.61E–.01	15	5.6W,5.4s		
NNC	XI	07 06 26 33.7–3.4	38.89N	46.66E	0	5.5b,5.4s		

ISC Event type fe.
ISN Error ellipse: s-maj=37.2km s-min=24.7km az=-1.0.
AZER Error ellipse: s-maj=5.8km s-min=1.6km az=229.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=17.3.
IDC Error ellipse: s-maj=10.3km s-min=7.1km az=25.0.
THR Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=3.8km s-min=2.5km az=123.7.
DSN Error ellipse: s-maj=11.1km s-min=5.1km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=184.0. Felt [IV] at Tabriz. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.61 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.32 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s90.00000°,δ64.00000°,λ154.00000°. NP2: ϕ_s192.00000°,δ67.00000°,λ29.00000°. Principal axes: T 1.5400,Plg36.0000°,Azm52.0000° ; N 0.1200,Plg54.0000°,Azm228.0000°; P -1.6600,Plg2.0000°,Azm321.0000° $M_0$1.60000×10^{17}
DDA Event type ke.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c176; s139,c348; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.03 $M_{\theta\theta}$-0.46±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$0.27±.09; $M_{\theta\phi}$-2.73±.02; $M_{\phi r}$-0.25±.09; Best double couple: NP1:ϕ_s92.00000°,δ83.00000° ,λ173.00000°. NP2:ϕ_s183.00000°,δ83.00000°,λ7.00000°. Principal axes: T 2.5710,Plg10.0000°,Azm47.0000°; N 0.4030,Plg80.0000°,Azm230.0000° ; P -2.9730,Plg0.0000°,Azm137.0000° $M_0$2.77200×10^{17}
NNC Event type se. Error ellipse: s-maj=48.6km s-min=28.2km az=40.0.

(29) Washington

NEIC	**XI**	**07 15 05 27.0–.00**	**47.88N**	**121.65W**	**8**	**1.8**		**¶606804551**

NEIC Event type fe. Felt at Gold Bar. After SEA.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 15 17 13.2–.69**	**36.68N–.04**	**142.04E–.07**	**36–2**	**4.3b,3.8s**	**102**	**1-84**
NIED	XI	07 15 17 00	36.70N	142.00E	20	4.3W,3.8s		**¶601879561**
ISCJB	XI	07 15 17 10.0–1.3	36.66N–.03	142.13E–.05	31–9	4.2b,3.7s		
JMA	XI	07 15 17 11.0–.20	36.69N	141.99E	37–4	4.2,3.7s		
BJI	XI	07 15 17 12.3	36.77N	141.56E	21	4.8b,4.6b		
IDC	XI	07 15 17 12.1–6.4	36.63N	142.06E	28–44	4.2,4.1		
NEIC	XI	07 15 17 13.4–.71	36.69N	142.04E	42–5	4.5b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ15.00000°,λ116.00000°. NP2:ϕ_s17.00000°,δ76.00000°,λ83.00000°. $M_0$3.04000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.4km az=9.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=14.0km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.7km az=107.0. Recorded [1 JMA] in Fukushima.

(71) Near coast of Guatemala

ISC	**XI**	**07 16 35 49.3–.16**	**14.03N–.03**	**92.07W–.03**	**39–1**	**7.4s,6.5b**	**2702**	**1-164**
NEIC	XI	07 16 35 46.9–.13	13.99N	91.90W	24	7.5,7.4W		**¶601879562**
IDC	XI	07 16 35 49.3–2.5	14.19N	91.74W	33–17	7.1s,7.1		
MOS	XI	07 16 35 49.0–.84	14.08N	91.83W	53	7.4s,6.6b		
BJI	XI	07 16 35 49.6	14.09N	92.00W	41	7.5,7.5s		
NEIC	XI	07 16 35 50.0–.00	14.18N	91.92W	30	7.5,7.5s		
MEX	XI	07 16 35 50.5–.57	14.03N	92.32W	17–25	7.3,7.5s		
UCR	XI	07 16 35 51.2–1.8	14.11N	91.89W	16–53	7.7b,6.6b		
ISCJB	XI	07 16 35 51.4–.26	14.16N–.01	91.89W–.01	71–2	6.3b,6.6b		
GCMT	XI	07 16 35 55.7–.10	14.11N–.01	92.43W–.01	21–0	7.4W,6.6b		
NEIC	XI	07 16 36 15.9–.00	14.19N	92.03W	30	7.4W,6.6b		

ISC Event type de.
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.2km az=216.0. At least 48 people killed, 155 injured, 100 missing and dozens of buildings damaged in Quetzaltenango and San Marcos. Felt [VII] at Quetzaltenango; [VI] at Antigua Guatemala, Cahabon and Villa Nueva; [V] at Fraijanes, Guatemala, Huehuetenango, Mixco and San Bartolome Milpas Altas; [IV] at Champerico, Coban, Panajachel, San Jose Pinula, Santa Catarina Pinula and Santiago Atitlan. Also felt [VI] at Tapachula; [IV] at Jalapa, Lazaro Cardenas, San Cristobal de Las Casas, Tuxtla Gutierrez and Villahermosa; [III] at Granjas Mexico and Mexico, Mexico. Felt [IV] at San Salvador and Antiguo Cuscatlan and [III] at Ilopango and Nueva San Salvador, El Salvador. Felt [III] at Belize City and Dangriga, Belize. Felt in many parts of Belize, El Salvador, Guatemala, Honduras, Mexico and Nicaragua. A tsunami was recorded with wave heights [in cm] at the following tide stations: 35 at Salina Cruz and 30 at Puerto Chiapas, Mexico; 10 at Acajutla, El Salvador; 7 at Kahului and 6 at Hilo, Hawaii; 5 on Isla Baltra, Galapagos Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ25.00000°,λ90.00000°. NP2: ϕ_s115.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm25.0000° ; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm205.0000°
IDC Error ellipse: s-maj=12.0km s-min=7.4km az=53.0.
MOS Error ellipse: s-maj=6.6km s-min=3.6km az=108.2. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ72.00000°,λ109.00000°. NP2: ϕ_s260.00000°,δ26.00000°,λ46.00000°. Principal axes: T Plg59.0000°,Azm63.0000° ; N Plg18.0000°,Azm301.0000°; P Plg24.0000°,Azm203.0000°
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ69.00000° ,λ98.00000°. NP2:ϕ_s285.00000°,δ23.00000°,λ70.00000°. Principal axes: T 1.4800,Plg65.0000°,Azm50.0000°; N -0.0300,Plg7.0000°,Azm303.0000° ; P -1.4600,Plg23.0000°,Azm209.0000°
MEX Error ellipse: s-maj=5.6km s-min=6.9km az=-1.0.
UCR Error ellipse: s-maj=11.0km s-min=31.8km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.5km s-min=1.5km az=138.9.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s147,c393; s143,c658; Duration: 11s9 Moment tensor: Scale 10^{20}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$-0.88±.00; $M_{\phi\phi}$-0.22±.00; $M_{r\theta}$0.79±.03; $M_{\theta\phi}$0.41±.00; $M_{\phi r}$-0.53±.03; Best double couple: NP1:ϕ_s121.00000°,δ65.00000° ,λ94.00000°. NP2:ϕ_s291.00000°,δ25.00000°,λ81.00000°. Principal axes: T 1.4680,Plg69.0000°,Azm39.0000°; N -0.0420,Plg4.0000°,Azm299.0000° ; P -1.4260,Plg20.0000°,Azm208.0000° $M_0$1.44700×10^{20}
NEIC Event type se. Moment Tensor Solution. s173 Moment tensor: Scale 10^{20}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.49 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.52 Best double couple: NP1:ϕ_s291.00000° ,δ30.00000°,λ76.00000°. NP2:ϕ_s128.00000°,δ61.00000°,λ98.00000°. Principal axes: T 1.3800,Plg73.0000°,Azm58.0000°; N -0.0800,Plg7.0000°,Azm304.0000° ; P -1.3000,Plg16.0000°,Azm212.0000° $M_0$1.30000×10^{20}

(135) Near coast of central Chile

ISC	**XI**	**07 18 37 46.5–.89**	**38.10S–.05**	**73.69W–.09**	**18**	**4.2b**	**20**	**1-87**
GUC	XI	07 18 37 43.3–.75	38.11S	74.12W	18–5	4.1L		**¶601991531**
ISCJB	XI	07 18 37 45.0–.77	38.05S–.05	73.8W–.10	18	4.2b		
IDC	XI	07 18 37 45.2–1.6	37.93S	73.18W	0	4.2,4.2b		
NEIC	XI	07 18 37 50.5–1.8	37.95S	73.14W	38–16	4.4b,4.1L		

ISC Event type fe.
GUC Error ellipse: s-maj=2.9km s-min=7.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.3km az=158.1.
IDC Error ellipse: s-maj=46.3km s-min=18.0km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=25.5km s-min=11.7km az=84.0. Felt [III] at Carahue and Tirua and [II] at Puerto Saavedra.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 20 15 13.3–1.1**	**38.87N–.05**	**141.71E–.08**	**62–6**	**3.7b**	**30**	**0-59**
ISCJB	XI	07 20 15 12.2–.72	38.87N–.04	141.71E–.08	66–4	3.7b		**¶602388985**
JMA	XI	07 20 15 13.5	38.86N	141.64E	61–1	3.4		
IDC	XI	07 20 15 13.3–3.1	38.89N	141.87E	69–24	3.7,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.7km az=18.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s17.00000°,δ71.00000°,λ77.00000°. NP2:ϕ_s233.00000°,δ23.00000°,λ124.00000°. Principal axes: T Plg62.0000°,Azm266.0000°; N Plg13.0000°,Azm21.0000°; P Plg25.0000° ,Azm117.0000°
IDC Error ellipse: s-maj=39.5km s-min=22.4km az=86.0.

(123) Northern Chile

ISC	**XI**	**07 21 19 25.6–.45**	**22.47S–.03**	**68.62W–.05**	**112–4**	**4.6b**	**207**	**0-169**
SJA	XI	07 21 19 22.4–1.2	22.39S	68.82W	139–20	4.6L,4.2W		**¶601880070**
ISCJB	XI	07 21 19 23.8–.32	22.50S–.03	68.50W–.04	109–2	4.6b,4.2W		
NEIC	XI	07 21 19 24.5–.38	22.47S	68.46W	101–3	4.7W,4.7b		
GUC	XI	07 21 19 25.9–.69	22.42S	68.79W	119–5	4.6L,4.7b		
IDC	XI	07 21 19 26.4–.57	22.35S	68.34W	117–4	4.5,4.2		

ISC Event type fe.

SJA Error ellipse: s-maj=31.4km s-min=7.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=164.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=65.0. Felt [IV] at Calama and [III] at Tocopilla. Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ31.00000° ,λ-141.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ-65.00000°. Principal axes: T 1.4100,Plg22.0000°,Azm85.0000°; N 0.1200,Plg24.0000°,Azm185.0000° ; P -1.5300,Plg56.0000°,Azm317.0000°
GUC Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=12.2km az=64.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 22 36 28.8–1.9**	**37.58N–.05**	**141.83E–.06**	**6–11**	**3.7b**	**41**	**1-146**
IDC	XI	07 22 36 28.3–.78	37.58N	141.97E	0	3.9,3.8		**¶606057598**
ISCJB	XI	07 22 36 29.1–.93	37.62N–.03	141.93E–.05	16–6	3.7s,3.6b		
JMA	XI	07 22 36 30.5–.10	37.63N	141.85E	27–2	4.2,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=17.4km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=24.9.
JMA Event type fe.

(136) Central Chile

ISC	**XI**	**07 22 41 31.4–1.1**	**37.53S–.03**	**73.18W–.07**	**29–7**	**4.9b**	**153**	**1-173**
IDC	XI	07 22 41 26.6–.54	37.46S	73.05W	0	4.8,4.7b		**¶601880072**
SJA	XI	07 22 41 27.1–.59	37.55S	73.52W	40	4.9W,4.8L		
GUC	XI	07 22 41 30.3–.45	37.53S	73.46W	37–2	4.8L,4.8L		
ISCJB	XI	07 22 41 31.5–.54	37.50S–.02	72.97W–.07	39–5	4.8b,4.3s		
NEIC	XI	07 22 41 33.1–.63	37.51S	72.99W	39–6	4.8L,4.8b		
BJI	XI	07 22 41 34.2	37.50S	72.90W	50	4.9b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=78.0.
SJA Error ellipse: s-maj=8.1km s-min=23.3km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.5km az=0.9.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=4.5km az=89.0. Felt [V] at Arauco, Curanilahue, Lebu and Tirua; [IV] at Angol, Coronel and Lota; [III] at Concepcion, Longavi, Los Angeles, Los Sauces, Puren, Renaico, San Pedro and Talcahuano; [II] at Parral. Also felt at Chiguayante, Chillan and Nacimiento. Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.25 $M_{r\theta}$0.10 $M_{\theta\phi}$0.01 $M_{\phi r}$-1.02 Best double couple: NP1: ϕ_s188.00000°,δ7.00000°,λ-77.00000°. NP2:ϕ_s354.00000°,δ83.00000°,λ-92.00000°. Principal axes: T 1.0600,Plg38.0000°,Azm86.0000°; N 0.0100,Plg2.0000°,Azm355.0000° ; P -1.0600,Plg52.0000°,Azm263.0000° $M_0$1.10000×10^{16}

(207) Eastern New Guinea region

ISC	**XI**	**07 23 42 19.0–.28**	**8.66S–.03**	**148.08E–.04**	**115–2**	**5.5b**	**630**	**1-153**
BJI	XI	07 23 42 14.8	8.56S	148.56E	108	5.5b,5.3b		**¶601880075**
ISCJB	XI	07 23 42 17.8–.50	8.63S–.02	148.02E–.02	115–4	5.5b,5.3b		
IDC	XI	07 23 42 18.9–.30	8.63S	148.07E	112–2	5.4,5.1		
NEIC	XI	07 23 42 19.5–.53	8.65S	148.03E	118–5	5.5b,5.1		
MOS	XI	07 23 42 19.2–1.0	8.57S	147.91E	124	5.3b,5.1		
GCMT	XI	07 23 42 20.5–.30	8.58S–.02	147.98E–.02	133–4	5.6W,5.1		
DJA	XI	07 23 42 23.4–.50	9S–3.0	148E–4.0	142–5	7.2,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Port Moresby. Also felt at Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c38; s107,c157;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.12 $M_{\theta\theta}$-2.18±.13; $M_{\phi\phi}$1.25±.14; $M_{r\theta}$-1.77±.08; $M_{\theta\phi}$-0.77±.13; $M_{\phi r}$1.29±.07; Best double couple: NP1:ϕ_s296.00000°,δ78.00000°,λ129.00000°. NP2:ϕ_s40.00000°,δ40.00000°,λ18.00000°. Principal axes: T 3.0040,Plg43.0000° ,Azm243.0000°; N -0.0180,Plg38.0000°,Azm107.0000°; P -2.9890,Plg24.0000° ,Azm357.0000° $M_0$2.99700×10^{17}

(226) Near west coast of eastern Honshu

ISC	**XI**	**07 23 52 07.9–1.7**	**39.63N–.03**	**139.08E–.05**	**14–10**	**3.8b**	**42**	**0-90**
IDC	XI	07 23 52 05.7–.95	39.63N	138.97E	0	4.0,3.7		**¶602389002**
ISCJB	XI	07 23 52 07.4–.85	39.67N–.03	139.00E–.04	26–5	3.8b,3.7		
JMA	XI	07 23 52 07.6–.10	39.68N	139.02E	23–1	4.1,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=17.0km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.3km az=27.0.
JMA Event type fe.

(227) Eastern Honshu

ISC	**XI**	**07 23 54 30.2–.87**	**37.00N–.03**	**140.75E–.04**	**12–5**	**4.0b**	**76**	**0-147**
IDC	XI	07 23 54 28.4–.55	36.99N	140.74E	0	4.2,4.1		**¶602051312**
ISCJB	XI	07 23 54 29.3–.49	37.00N–.02	140.83E–.04	18–3	4.0b,4.1		
JMA	XI	07 23 54 30.4	37.01N	140.70E	11–1	4.2,4.1		
NEIC	XI	07 23 54 31.8–1.6	36.98N	140.80E	24–11	4.3b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.3km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=25.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s170.00000°,δ48.00000°,λ-92.00000°. NP2:ϕ_s353.00000°,δ42.00000°,λ-88.00000°. Principal axes: T Plg3.0000°,Azm261.0000°; N Plg1.0000°,Azm171.0000°; P Plg87.0000° ,Azm51.0000°
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.1km az=117.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.

(25) Vancouver Island region

ISC	**XI**	**08 02 01 49.7–.41**	**49.13N–.03**	**128.54W–.03**	**11–2**	**6.1s,5.7b**	**1997**	**1-161**
PGC	XI	08 02 01 45.5–6.0	49.01N	128.85W	10	6.3W,5.9W		**¶601880080**
IDC	XI	08 02 01 47.0–.35	49.14N	128.65W	0	5.9,5.9s		
ISCJB	XI	08 02 01 47.4–.46	49.19N–.01	128.44W–.02	4–3	6.0s,5.6b		
BJI	XI	08 02 01 48.8	49.18N	128.51W	18	6.3s,6.1		
MOS	XI	08 02 01 48.1–.97	49.18N	128.55W	13	6.0s,5.6b		
GCMT	XI	08 02 01 50.6–.10	48.90N–.01	128.85W–.01	12	6.2W,5.6b		
NEIC	XI	08 02 01 50.6–.50	49.23N	128.48W	14–3	6.7,6.1W		
NEIC	XI	08 02 01 51.0–.00	49.18N	128.68W	19	6.7,6.1W		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 213km Wsw of Gold R., Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=10.6km s-min=6.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=39.7.
MOS Error ellipse: s-maj=6.2km s-min=3.3km az=109.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c295; s149,c437; Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$-1.92±.01; $M_{\phi\phi}$2.07±.01; $M_{r\theta}$-0.53±.03; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$-0.39±.03; Best double couple: NP1:ϕ_s39.00000°,δ85.00000° ,λ-18.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ-174.00000°. Principal axes: T 2.1580,Plg9.0000°,Azm86.0000°; N -0.0330,Plg72.0000°,Azm202.0000° ; P -2.1240,Plg16.0000°,Azm353.0000° $M_0$2.14100×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=1.5km az=47.0. Felt [III] at Vancouver and [II] at Nanaimo. Also felt at Chilliwack, Gold River, Victoria and White Rock. Felt at Hammond, Oregon and at Camano Island, Olympia, Port Angeles, Port Townsend, Poulsbo, Rochester, Seattle and Yelm, Washington. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$0.95000×10^{18} Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.06 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$1.52 $M_{r\theta}$-0.21 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s125.00000° ,δ85.00000°,λ-175.00000°. NP2:ϕ_s34.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 1.6200,Plg1.0000°,Azm80.0000°; N 0.0900,Plg83.0000°,Azm175.0000° ; P -1.7100,Plg7.0000°,Azm350.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ85.00000°,λ175.00000°. NP2: ϕ_s220.00000°,δ85.00000°,λ5.00000°. Principal axes: T Plg7.0000°,Azm85.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm175.0000°
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$2.02 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s311.00000° ,δ81.00000°,λ-169.00000°. NP2:ϕ_s219.00000°,δ80.00000°,λ-9.00000°. Principal axes: T 2.0500,Plg0.0000°,Azm85.0000°; N -0.0700,Plg76.0000°,Azm351.0000° ; P -1.9800,Plg13.0000°,Azm175.0000° $M_0$2.00000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**XI**	**08 05 58 54.0–.93**	**39.87N–.04**	**142.11E–.08**	**48–7**	**4.0b,3.6s**	**37**	**0-72**
NIED	XI	08 05 58 00	39.90N	142.20E	44	4.2W,3.6s		**¶602389020**
ISCJB	XI	08 05 58 52.8–.70	39.89N–.03	142.19E–.09	54–4	4.0b,3.4s		
JMA	XI	08 05 58 53.7–.10	39.88N	142.16E	47–1	3.9,3.4s		
IDC	XI	08 05 58 55.8–2.0	39.90N	142.18E	70–17	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ14.00000°,λ87.00000°. NP2:ϕ_s18.00000°,δ76.00000°,λ91.00000°. $M_0$2.12000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.4km az=9.2.
JMA Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=12.3km az=103.0.

(135) Near coast of central Chile

ISC	**XI**	**08 06 24 08.3–.67**	**32.74S–.03**	**71.49W–.05**	**24–4**	**3.9b**	**59**	**0-156**
NEIC	XI	08 06 24 10.0–.00	32.71S	71.31W	46	4.3b,4.1L		**¶601881299**
GUC	XI	08 06 24 10.3–.56	32.71S	71.31W	46–2	4.1L,4.1L		
SJA	XI	08 06 24 12.3–.84	32.65S	71.17W	12–7	3.8W,3.7L		
IDC	XI	08 06 24 15.5–1.2	32.74S	71.31W	0	4.1,3.8		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Puchuncavi, Quillota, Tiltil, Valparaiso, Villa Alemana and Vina del Mar; [II] at San Antonio and Santiago. Also felt at Las Condes and Quilpue. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=6.2km az=-1.0.
SJA Error ellipse: s-maj=3.3km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=41.5km s-min=29.1km az=29.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**08 11 07 24.7–1.7**	**38.61N–.05**	**142.0E–.10**	**43–11**	**3.8b**	**26**	**0-62**
NIED	XI	08 11 07 00	38.60N	141.90E	32	3.8W		**¶602389030**
ISCJB	XI	08 11 07 24.1–1.1	38.61N–.04	141.9E–.10	52–6	3.7b		
JMA	XI	08 11 07 24.9	38.62N	141.91E	48–1	3.6		
IDC	XI	08 11 07 28.8–1.5	39.30N	140.53E	0	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ38.00000°,λ-117.00000°. NP2:ϕ_s360.00000°,δ57.00000°,λ-71.00000°. $M_0$5.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=6.4km az=13.8.
JMA Event type fe.
IDC Error ellipse: s-maj=44.0km s-min=20.6km az=78.0.

(222) East of Kuril Islands

ISC	**XI**	**08 15 53 56.5–.45**	**49.42N–.05**	**157.50E–.05**	**39**	**4.4b,3.2s**	**230**	**2-79**
ISCJB	XI	08 15 53 55.3–.27	49.41N–.02	157.37E–.05	39	4.4b,3.2s		**¶601881314**
MOS	XI	08 15 53 56.6–1.0	49.47N	157.32E	55	4.6b,3.2s		
KRSC	XI	08 15 53 56.2–2.5	49.54N	157.97E	40–43	5.0L,3.2s		
NEIC	XI	08 15 53 58.9–.68	49.54N	157.23E	57–6	4.5b,3.2s		
IDC	XI	08 15 53 59.5–2.2	49.54N	157.23E	60–19	4.2,4.0		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.4km az=29.7.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=3.3km az=81.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=139.0.
IDC Error ellipse: s-maj=18.7km s-min=10.5km az=117.0.

(25) Vancouver Island region

ISC	**XI**	**08 21 07 39.2–1.7**	**49.32N–.05**	**128.23W–.05**	**8–10**	**4.4b,3.9s**	**202**	**1-147**
PGC	XI	08 21 07 34.2–4.6	49.00N	128.84W	10	4.7W,4.4W		**¶601882366**
IDC	XI	08 21 07 35.9–.92	49.18N	128.03W	0	4.1,4.0		
NEIC	XI	08 21 07 41.8–.27	49.38N	128.14W	10	4.7W,4.5W		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 213km Wsw of Gold R., Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=21.7km s-min=8.6km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=2.5km az=51.0. Felt at Nanaimo. Moment Tensor Solution. $M_0$1.50000×10^{16} Moment Tensor Solution. s6 Moment tensor: Scale 10^{15} Nm; M_{rr}0.00 $M_{\theta\theta}$-3.71 $M_{\phi\phi}$3.71 $M_{r\theta}$4.27 $M_{\theta\phi}$-0.74 $M_{\phi r}$-2.58 Best double couple: NP1: ϕ_s307.00000°,δ90.00000°,λ-127.00000°. NP2:ϕ_s217.00000°,δ37.00000°,λ0.00000°. Principal axes: T 5.8900,Plg34.0000°,Azm68.0000°; N 0.6900,Plg37.0000°,Azm307.0000° ; P -6.5700,Plg34.0000°,Azm186.0000° $M_0$6.30000×10^{15}

(141) Cordoba Province

ISC	**XI**	**08 22 04 44.2–1.5**	**31.34S–.03**	**65.00W–.03**	**2–12**	**4.1b**	**67**	**0-34**
SJA	XI	08 22 04 45.7–1.4	31.38S	65.14W	10–7	3.6W,3.5L		**¶602006310**
NEIC	XI	08 22 04 46.0–.00	31.37S	64.82W	56	4.0,4.0b		

ISC Event type fe.
SJA Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0. Moment Tensor Solution. NP1:ϕ_s42.50000° ,δ56.30000°,λ169.40000°.
NEIC Event type fe. Felt [III] in the epicentral area. After SJA.

(137) San Juan Province

ISC	**XI**	**08 23 57 58.4–.49**	**31.83S–.03**	**69.20W–.03**	**118–4**	**4.6b**	**152**	**0-163**
ISCJB	XI	08 23 57 57.4–.19	31.87S–.02	69.17W–.03	124–1	4.6b		**¶601882832**
GUC	XI	08 23 57 57.9–.56	31.93S	69.61W	161–11	4.1L		
NEIC	XI	08 23 57 57.3–.37	31.88S	69.07W	107–3	4.6b,4.3		
IDC	XI	08 23 57 58.7–.64	31.81S	69.02W	119–4	4.3,4.0		
SJA	XI	08 23 57 58.4–.96	31.88S	69.16W	109–4	4.3W,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=14.6.
GUC Error ellipse: s-maj=3.1km s-min=13.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=3.9km az=88.0. Felt [III] at Mendoza and San Juan.
IDC Error ellipse: s-maj=20.7km s-min=17.6km az=109.0.
SJA Error ellipse: s-maj=1.9km s-min=4.5km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 03 51 56.3–.38**	**36.90N–.03**	**141.29E–.03**	**28–2**	**5.2b,4.8s**	**775**	**0-154**
NIED	XI	09 03 51 00	36.90N	141.40E	5	5.2W,4.8s		**¶601883703**
IDC	XI	09 03 51 52.1–.45	36.89N	141.25E	0	4.9,4.9		
JMA	XI	09 03 51 53.4–.10	36.88N	141.38E	33–1	5.5,4.9		
ISCJB	XI	09 03 51 54.4–.40	36.86N–.02	141.28E–.02	22–2	5.2b,4.7s		
GCMT	XI	09 03 51 55.9–.20	36.93N–.01	141.27E–.01	12	5.2W,4.7s		
BJI	XI	09 03 51 55.1	36.82N	141.32E	35	5.1b,5.1s		
MOS	XI	09 03 51 56.3–1.1	36.93N	141.27E	35	5.4b,4.7s		
NEIC	XI	09 03 51 57.9–.36	36.84N	141.25E	37–3	5.2b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ29.00000°,λ-77.00000°. NP2:ϕ_s196.00000°,δ62.00000°,λ-97.00000°. $M_0$6.53000×10^{16}
IDC Error ellipse: s-maj=13.7km s-min=11.4km az=106.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s342.00000°,δ82.00000°,λ121.00000°. NP2:ϕ_s85.00000°,δ32.00000°,λ15.00000°. Principal axes: T Plg44.0000°,Azm283.0000°; N Plg31.0000°,Azm157.0000°; P Plg30.0000° ,Azm47.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=150.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c84; s113,c192;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.39±.10 $M_{\theta\theta}$1.28±.11; $M_{\phi\phi}$5.11±.09; $M_{r\theta}$0.82±.34; $M_{\theta\phi}$2.72±.09; $M_{\phi r}$3.82±.30; Best double couple: NP1:ϕ_s200.00000°,δ61.00000°,λ-98.00000°. NP2:ϕ_s35.00000°,δ30.00000°,λ-76.00000°. Principal axes: T 7.5510,Plg15.0000° ,Azm295.0000°; N -0.0080,Plg7.0000°,Azm203.0000°; P -7.5430,Plg73.0000°,Azm90.0000° $M_0$7.54700×10^{16}
MOS Error ellipse: s-maj=5.8km s-min=3.9km az=102.3.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=137.0. Felt [V] at Hitachi and [III] at Chiba and Tsuchiura. Felt in much of eastern Honshu. Recorded [4 JMA] in Ibaraki.

(228) Near east coast of eastern Honshu

JMA	**XI**	**09 03 55 00.1–.10**	**36.88N**	**141.35E**	**33–1**	**3.9**		**¶606058062**

JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 04 06 05.8–1.7**	**36.86N–.04**	**141.35E–.06**	**11–9**	**4.1b**	**67**	**0-147**
NIED	XI	09 04 06 00	36.90N	141.40E	5	4.0W		**¶606058066**
JMA	XI	09 04 06 05.8–.10	36.87N	141.35E	35–1	4.2		
NEIC	XI	09 04 06 10.3–.54	36.83N	141.15E	44–5	4.2b		
IDC	XI	09 04 06 11.1–3.2	36.82N	141.13E	50–28	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ47.00000°,λ-125.00000°. NP2:ϕ_s41.00000°,δ53.00000°,λ-58.00000°. $M_0$1.19000×10^{15}
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.6km az=97.0. Recorded [2 JMA] in Fukushima.
IDC Error ellipse: s-maj=20.2km s-min=16.4km az=75.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 04 49 40.9–1.8**	**36.87N–.04**	**141.29E–.07**	**4–10**	**3.9b**	**35**	**0-90**
NIED	XI	09 04 49 00	36.90N	141.40E	5	3.8W		**¶601991582**
ISCJB	XI	09 04 49 40.7–1.2	36.86N–.04	141.43E–.07	16–7	3.8b,3.4s		
IDC	XI	09 04 49 40.2–.90	36.83N	141.29E	0	4.1,3.9b		
JMA	XI	09 04 49 41.9–.10	36.88N	141.36E	31–1	4.1,3.9b		
NEIC	XI	09 04 49 46.1–1.8	36.83N	141.21E	40–15	4.1b,3.9b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ26.00000°,λ-90.00000°. NP2:ϕ_s206.00000°,δ64.00000°,λ-90.00000°. $M_0$5.37000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.7km az=12.5.
IDC Error ellipse: s-maj=24.8km s-min=20.4km az=79.0.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=16.0km s-min=11.8km az=81.0. Recorded [1 JMA] in Fukushima and Ibaraki.

(123) Northern Chile

ISC	**XI**	**09 06 04 44.2–.69**	**20.18S–.03**	**69.19W–.07**	**98–6**	**4.2b**	**55**	**1-152**
ISCJB	XI	09 06 04 43.4–.35	20.17S–.03	69.16W–.07	111–4	4.1b		**¶601991587**
GUC	XI	09 06 04 43.7–.63	20.18S	69.23W	104–4	4.3L		
NEIC	XI	09 06 04 43.0–.00	20.18S	69.23W	104	4.5b,4.3L		
IDC	XI	09 06 04 45.3–1.1	20.20S	69.02W	111–10	4.0,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.3km az=174.9.
GUC Error ellipse: s-maj=1.2km s-min=5.8km az=-1.0.
NEIC Event type fe. Felt [II] at Alto Hospicio, Iquique and Pozo Almonte. After GUC.
IDC Error ellipse: s-maj=21.1km s-min=9.5km az=95.0.

(123) Northern Chile

ISC	**XI**	**09 06 40 16.8–.40**	**23.01S–.04**	**68.84W–.05**	**100–3**	**4.3b**	**138**	**0-147**
ISCJB	XI	09 06 40 15.5–.38	23.00S–.03	68.83W–.05	103–3	4.2b		**¶601882380**
GUC	XI	09 06 40 16.5–.57	22.98S	68.92W	98–2	4.5L		
IDC	XI	09 06 40 16.8–.43	22.80S	68.74W	98–3	4.2,4.0		
NEIC	XI	09 06 40 16.0–.00	22.98S	68.92W	98	4.5L,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.4km az=171.6.
GUC Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=11.9km az=68.0.
NEIC Event type fe. Felt [III] at Sierra Gorda and [II] at Oficina Maria Elena. After GUC.

(68) Off coast of Chiapas

ISC	**XI**	**09 12 55 01.1–.95**	**14.02N–.09**	**92.57W–.07**	**46**	**4.3b,3.6s**	**35**	**1-146**
IDC	XI	09 12 54 54.5–1.2	13.86N	92.48W	0	4.2,4.0b		**¶601883710**
NEIC	XI	09 12 54 59.9–1.0	13.90N	92.55W	35	4.4b,3.8		
MEX	XI	09 12 54 59.5–.53	13.93N	92.65W	16–109	3.9,3.8		
ISCJB	XI	09 12 55 00.4–.69	14.07N–.05	92.50W–.07	46	4.3b,3.6s		

ISC Event type fe.
NEIC Event type fe. Felt at Villa Comaltitlan.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 13 22 26.1–.58**	**37.29N–.04**	**141.48E–.06**	**43–5**	**3.9b**	**50**	**0-147**
NIED	XI	09 13 22 00	37.30N	141.40E	53	4.0W		**¶602389094**
ISCJB	XI	09 13 22 23.9–.79	37.27N–.03	141.53E–.06	39–8	3.7b,3.1s		
JMA	XI	09 13 22 26.0–.10	37.34N	141.35E	49–1	4.1,3.1s		
IDC	XI	09 13 22 26.4–.55	37.24N	141.51E	46–5	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ38.00000°,λ-24.00000°. NP2:ϕ_s241.00000°,δ76.00000°,λ-126.00000°. $M_0$1.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.1km az=15.1.
JMA Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=8.9km az=152.0.

(259) Mindanao

ISC	**XI**	**09 14 42 58.4–.80**	**7.46N–.03**	**126.75E–.05**	**52–7**	**4.4b,3.5s**	**132**	**1-163**
MAN	XI	09 14 42 52.7	7.45N	126.75E	1	5.2b,4.3s		**¶601882842**
IDC	XI	09 14 42 55.9–1.8	7.57N	126.74E	33–14	4.8L,4.5		
ISCJB	XI	09 14 42 56.3–.51	7.50N–.02	126.81E–.04	50–5	4.3b,3.6s		
DJA	XI	09 14 43 00.8–.50	7N–4.0	127E–3.0	52–5	5.3,5.2b		
NEIC	XI	09 14 43 00.4–.86	7.47N	126.73E	76–8	4.4b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=7.8km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.6km az=164.3.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.5km az=68.0. Felt [II PIVS] at Davao.

(546) Austria

ISC	**XI**	**09 16 29 42.3–.82**	**47.21N–.02**	**11.39E–.01**	**10–5**		**97**	**0-6**
ISCJB	XI	09 16 29 40.6–.27	47.26N–.02	11.38E–.02	0–3			**¶601882848**
ROM	XI	09 16 29 41.8–.12	47.184N–.01	11.428E–.01	9–0	2.1L		
VIE	XI	09 16 29 41.2–.17	47.21N	11.38E	9–2	2.7L,2.0b		
LDG	XI	09 16 29 42.1–.25	47.14N	11.45E	2	2.5L,2.0b		
BGR	XI	09 16 29 42.4–.43	47.21N	11.39E	5	2.5L,2.0b		
PRU	XI	09 16 29 44.5–.00	47.25N	11.53E	5	2.5L,2.0b		
STR	XI	09 16 29 46.1–.80	47N–10	11E–6.0	0	3.3,3.3		

ISC Event type fe.
ISCJB Event type fe.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Event type fe. 6 km S of Innsbruck . felt 4-5 ems98 at Mutters / Tyrol.
LDG Event type ke.
VIE Event type fe. Many people felt strong vibrations in buidings.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.

(318) Yunnan

ISC	**XI**	**09 19 54 28.6–.39**	**25.44N–.03**	**102.55E–.04**	**10**	**4.5b**	**137**	**0-76**
ISCJB	XI	09 19 54 26.3–.23	25.39N–.03	102.54E–.03	10	4.3b		**¶601883715**
IDC	XI	09 19 54 26.5–.61	25.45N	102.54E	0	4.1,4.0		
BJI	XI	09 19 54 27.9	25.36N	102.37E	6	4.5b,4.5b		
NEIC	XI	09 19 54 29.5–1.2	25.37N	102.56E	21–9	4.7b,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=179.0.
IDC Error ellipse: s-maj=19.1km s-min=12.7km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.1km az=88.0. Felt at Kunming.

(706) Northern Sumatera

ISC	**XI**	**09 19 59 46.8–.24**	**0.82N–.03**	**97.44E–.04**	**27**	**5.1b,4.8s**	**603**	**1-159**
BJI	XI	09 19 59 42.1	0.74N	97.55E	13	5.3s,5.1		**¶601883151**
IDC	XI	09 19 59 42.6–.42	0.90N	97.44E	0	4.8,4.7		
NEIC	XI	09 19 59 46.0–1.3	0.89N	97.46E	22–8	5.2b,4.7		
ISCJB	XI	09 19 59 45.2–.13	0.87N–.02	97.49E–.02	27	5.1b,4.9s		
KLM	XI	09 19 59 46.0	0.91N	97.39E	10	5.1b,4.9s		
MOS	XI	09 19 59 47.1–1.1	0.94N	97.54E	40	5.3b,4.7s		
GCMT	XI	09 19 59 48.0–.20	0.83N–.02	97.33E–.02	20–1	5.2W,4.7s		
DJA	XI	09 19 59 49.1–.70	1N–2.0	97E–3.0	40–5	5.6,5.4b		

ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Nias.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c92; s75,c109;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.56±.19 $M_{\theta\theta}$-1.78±.13; $M_{\phi\phi}$-2.78±.15; $M_{r\theta}$3.42±.34; $M_{\theta\phi}$1.95±.11; $M_{\phi r}$-5.88±.46; Best double couple: NP1:ϕ_s148.00000°,δ74.00000°,λ93.00000°. NP2:ϕ_s317.00000°,δ17.00000°,λ79.00000°. Principal axes: T 8.2730,Plg61.0000° ,Azm63.0000°; N -0.3170,Plg3.0000°,Azm328.0000°; P -7.9560,Plg28.0000°,Azm236.0000° $M_0$8.11400×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 21 30 22.8–1.7**	**39.16N–.04**	**142.31E–.09**	**29–10**	**3.7b**	**31**	**1-63**
NIED	XI	09 21 30 00	39.20N	142.40E	59	3.7W		**¶602389111**
ISCJB	XI	09 21 30 22.7–1.1	39.19N–.04	142.3E–.10	44–9	3.7b		
JMA	XI	09 21 30 22.3–.10	39.22N	142.38E	33–1	4.0		
IDC	XI	09 21 30 26.2–2.5	39.15N	142.39E	66–23	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ-113.00000°. $M_0$4.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=5.5km az=14.5.
JMA Event type fe.
IDC Error ellipse: s-maj=26.2km s-min=15.0km az=101.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 22 35 13.7–.42**	**38.84N–.03**	**141.63E–.04**	**75–3**	**4.7b**	**434**	**0-146**
NIED	XI	09 22 35 00	38.90N	141.60E	74	4.4W		**¶606817008**
BJI	XI	09 22 35 12.4	38.72N	141.67E	98	4.9b,4.8b		
ISCJB	XI	09 22 35 13.7–.20	38.89N–.02	141.49E–.03	83–1	4.5b,4.8b		
MOS	XI	09 22 35 13.1–1.0	38.99N	141.49E	78	4.8b,4.8b		
JMA	XI	09 22 35 14.2	38.87N	141.57E	76–1	4.3,4.8b		
NEIC	XI	09 22 35 15.9–.46	38.86N	141.45E	89–4	4.6b,4.8b		
IDC	XI	09 22 35 16.3–2.1	38.84N	141.45E	98–19	4.5,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ35.00000°,λ92.00000°. NP2:ϕ_s189.00000°,δ55.00000°,λ88.00000°. $M_0$4.66000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=143.7.
MOS Error ellipse: s-maj=7.0km s-min=5.6km az=92.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s165.00000°,δ52.00000°,λ81.00000°. NP2:ϕ_s0.00000°,δ39.00000°,λ102.00000°. Principal axes: T Plg80.0000°,Azm34.0000°; N Plg7.0000°,Azm171.0000°; P Plg7.0000° ,Azm262.0000°
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=137.0. Recorded [3 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=14.1km s-min=11.0km az=112.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**10 02 47 42.7–1.1**	**34.56N–.04**	**140.32E–.05**	**53–10**		**29**	**0-58**
NIED	XI	10 02 47 00	34.60N	140.40E	62	3.7W		**¶602389130**
ISCJB	XI	10 02 47 41.9–.65	34.56N–.03	140.32E–.05	62–6	3.6b		
JMA	XI	10 02 47 41.9–.20	34.57N	140.34E	59–2	3.4		
IDC	XI	10 02 47 41.4–1.3	33.96N	138.60E	0	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ22.00000°,λ170.00000°. NP2:ϕ_s324.00000°,δ86.00000°,λ69.00000°. $M_0$3.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=171.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=41.1km s-min=17.9km az=48.0.

(505) Mississippi

ISC	**XI**	**10 04 24 14.7–1.1**	**30.20N–.03**	**88.10W–.02**	**15–9**		**97**	**1-7**
NEIC	XI	10 04 24 13.1–1.5	30.11N	88.10W	11–11	2.6		**¶601883723**
CERI	XI	10 04 24 13.0	30.11N	88.10W	11	2.6		
ANF	XI	10 04 24 15.0–.45	30.19N	88.07W	10–3	3.5L		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=4.2km az=193.0. Felt [III] on Dauphin Island and [II] at Gulf Shores.
ANF Error ellipse: s-maj=2.7km s-min=1.9km az=167.0.

(277) Jawa

ISC	**XI**	**10 06 05 27.6–.57**	**7.51S–.04**	**106.67E–.03**	**60–4**	**5.1b,4.1s**	**1167**	**1-177**
BJI	XI	10 06 05 25.0	7.50S	106.70E	51	5.1b,5.1b		**¶601883263**
DJA	XI	10 06 05 25.1–.50	8S–3.0	106E–2.0	21–5	5.6,5.5b		
MOS	XI	10 06 05 27.9–.99	6.85S	106.59E	52	5.3b,5.5b		
ISCJB	XI	10 06 05 27.5–.33	7.37S–.03	106.74E–.02	73–2	5.0b,5.5b		
KLM	XI	10 06 05 27.0	7.87S	106.55E	48	5.0b,5.5b		
NEIC	XI	10 06 05 27.2–.64	7.37S	106.67E	50–5	5.1b,5.5b		
GCMT	XI	10 06 05 28.2–.30	7.94S–.02	106.68E–.02	48–1	5.0W,5.5b		
IDC	XI	10 06 05 29.9–.86	7.36S	106.72E	78–6	5.0,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.6km az=33.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=223.0. Felt [II] at Bandung and Cianjur. Also felt at Batujajar, Caringin, Cimenyan, Parongpong and Parung.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c71; s59,c77;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.20 $M_{\theta\theta}$-4.59±.14; $M_{\phi\phi}$1.56±.19; $M_{r\theta}$1.85±.12; $M_{\theta\phi}$0.08±.13; $M_{\phi r}$0.10±.15; Best double couple: NP1:ϕ_s88.00000°,δ58.00000°,λ86.00000°. NP2:ϕ_s275.00000°,δ32.00000°,λ96.00000°. Principal axes: T 3.4720,Plg77.0000° ,Azm345.0000°; N 1.5540,Plg3.0000°,Azm90.0000°; P -5.0150,Plg13.0000°,Azm181.0000° $M_0$4.24400×10^{16}
IDC Error ellipse: s-maj=10.4km s-min=8.0km az=51.0.

(286) Flores region

ISC	**XI**	**10 09 06 53.7–.25**	**8.99S–.04**	**120.65E–.03**	**26**	**4.9b,4.1s**	**367**	**1-153**
BJI	XI	10 09 06 50.4	8.90S	120.60E	10	5.0b,4.9b		**¶601883726**
NEIC	XI	10 09 06 51.3–.18	8.89S	120.68E	10	5.0b,4.9b		
MOS	XI	10 09 06 51.9–1.4	8.79S	120.84E	25	5.1b,4.9b		
ISCJB	XI	10 09 06 52.1–.16	8.95S–.02	120.69E–.02	26	4.8b,4.1s		
DJA	XI	10 09 06 55.3–1.0	9S–2.0	121E–1.0	11–8	5.5b,5.4		
KLM	XI	10 09 06 56.0	9.24S	120.69E	53	5.2b,5.4		
GCMT	XI	10 09 06 57.3–.30	9.06S–.02	120.71E–.03	25–1	5.0W,5.4		
IDC	XI	10 09 06 59.1–1.5	8.80S	120.76E	72–13	4.7,4.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=41.0. Felt [III] at Ruteng. Also felt [III] at Waingapu, Sumba.
MOS Error ellipse: s-maj=11.2km s-min=6.3km az=119.5.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=30.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s77,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.54±.20 $M_{\theta\theta}$-1.42±.12; $M_{\phi\phi}$-0.11±.15; $M_{r\theta}$1.28±.27; $M_{\theta\phi}$2.53±.08; $M_{\phi r}$1.31±.32; Best double couple: NP1:ϕ_s91.00000°,δ64.00000°,λ35.00000°. NP2:ϕ_s344.00000°,δ59.00000°,λ149.00000°. Principal axes: T 3.5200,Plg43.0000° ,Azm309.0000°; N -0.1270,Plg47.0000°,Azm124.0000°; P -3.3920,Plg3.0000° ,Azm217.0000° $M_0$3.45600×10^{16}
IDC Error ellipse: s-maj=13.5km s-min=9.3km az=71.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**10 12 35 48.3–1.2**	**36.84N–.03**	**141.34E–.04**	**11–7**	**4.4b,3.6s**	**142**	**1-147**
NIED	XI	10 12 35 00	36.90N	141.40E	5	4.2W,3.6s		**¶601991656**
IDC	XI	10 12 35 46.5–.61	36.90N	141.29E	0	4.2,4.1		
ISCJB	XI	10 12 35 47.1–1.1	36.83N–.03	141.40E–.03	15–7	4.3b,3.6s		
JMA	XI	10 12 35 47.8–.10	36.89N	141.38E	32–1	4.4,3.6s		
MOS	XI	10 12 35 50.2–1.1	36.82N	141.29E	40	4.5b,3.6s		
BJI	XI	10 12 35 50.1	36.52N	141.36E	43	4.8b,4.5b		
NEIC	XI	10 12 35 52.1–.63	36.73N	141.27E	44–6	4.6b,4.5b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ29.00000°,λ-90.00000°. NP2:ϕ_s208.00000°,δ61.00000°,λ-90.00000°. $M_0$2.39000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=13.4km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=154.0.
JMA Event type fe.
MOS Error ellipse: s-maj=9.3km s-min=6.7km az=110.7.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.8km az=125.0. Recorded [2 JMA] in Fukushima and Ibaraki.

(248) Philippine Islands region

ISC	**XI**	**10 13 39 45.9–1.7**	**20.45N–.04**	**122.53E–.05**	**5–11**	**4.0b,3.4s**	**193**	**1-75**
NIED	XI	10 13 39 00	20.50N	122.40E	8	4.4W,3.4s		**¶601897584**
MAN	XI	10 13 39 44.8	20.50N	122.48E	31	5.5b,4.8s		
TAP	XI	10 13 39 47.8	20.50N	122.61E	53–1	5.1L,4.8s		
NEIC	XI	10 13 39 47.9–.55	20.47N	122.39E	10	4.2b,4.8s		
IDC	XI	10 13 39 47.9–1.4	20.62N	122.30E	0	4.8L,4.1		
JMA	XI	10 13 39 49.4–.40	20.53N	122.43E	73	4.8,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s107.00000°,δ36.00000°,λ-23.00000°. NP2:ϕ_s216.00000°,δ77.00000°,λ-124.00000°. $M_0$5.24000×10^{15}
TAP D.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=6.4km az=104.0. Felt [IV PIVS] at Uyugan and [III PIVS] at Basco.
IDC Error ellipse: s-maj=31.0km s-min=20.1km az=127.0.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.

(116) Central Peru

ISC	**XI**	**10 14 57 50.2–.22**	**8.94S–.03**	**75.09W–.03**	**129–1**	**6.0b**	**2207**	**3-175**
MOS	XI	10 14 57 47.0–.92	8.78S	75.16W	104	6.1b		**¶601883740**
ISCJB	XI	10 14 57 47.7–.39	8.79S–.01	75.15W–.02	114–3	6.0b		
BJI	XI	10 14 57 47.7	8.91S	75.12W	120	6.0b		
ARE	XI	10 14 57 49.0–.00	8.88S	75.19W	135	6.0b		
NEIC	XI	10 14 57 49.0–.00	8.71S	74.64W	120	6.0b		
IDC	XI	10 14 57 50.7–.27	8.86S	75.10W	127–2	5.8,5.5		
GCMT	XI	10 14 57 50.7–.10	8.88S–.01	75.17W–.01	133–0	6.0W,5.5		
NEIC	XI	10 14 57 50.7–.09	8.87S	75.07W	129	6.0L,6.0W		
NEIC	XI	10 14 58 05.7–.00	8.96S	74.81W	105	6.0L,6.0W		

ISC Event type fe.
MOS Error ellipse: s-maj=6.1km s-min=4.1km az=87.2.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=152.6.
ARE Event type se.
NEIC Event type se. Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.82 $M_{r\theta}$0.02 $M_{\theta\phi}$0.48 $M_{\phi r}$0.14 Best double couple: NP1:ϕ_s209.00000° ,δ48.00000°,λ-93.00000°. NP2:ϕ_s34.00000°,δ42.00000°,λ-85.00000°. Principal axes: T 1.1200,Plg3.0000°,Azm301.0000°; N 0.0300,Plg2.0000°,Azm211.0000° ; P -1.1600,Plg85.0000°,Azm79.0000° $M_0$1.10000×10^{18}

IDC Error ellipse: s-maj=6.9km s-min=5.2km az=70.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c283; s138,c382; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.24±.01 $M_{\theta\theta}$0.15±.01; $M_{\phi\phi}$1.09±.01; $M_{r\theta}$-0.03±.01; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$0.32±.01; Best double couple: NP1:ϕ_s198.00000°,δ51.00000°,λ-100.00000°. NP2:ϕ_s33.00000°,δ39.00000°,λ-78.00000°. Principal axes: T 1.3800,Plg6.0000°,Azm294.0000°; N -0.0860,Plg7.0000°,Azm204.0000° ; P -1.2900,Plg80.0000°,Azm63.0000° $M_0$1.33500×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=67.0. Felt [V] at Aguaytia and Campoverde; [IV] at Huanuco; [III] at Cerro de Pasco and Lima. Felt in much of central Peru and as far as Chiclayo and the Cusco area. Also felt at Cruzeiro do Sul, Brazil. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.62 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s56 Moment tensor: Scale 10^{18} Nm; M_{rr}-1.04 $M_{\theta\theta}$0.03 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.30 $M_{\phi r}$0.31 Best double couple: NP1: ϕ_s21.00000°,δ38.00000°,λ-81.00000°. NP2:ϕ_s190.00000°,δ53.00000°,λ-97.00000°. Principal axes: T 1.1400,Plg8.0000°,Azm285.0000°; N -0.0500,Plg6.0000°,Azm194.0000° ; P -1.0900,Plg81.0000°,Azm68.0000° $M_0$1.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ40.00000°,λ-96.00000°. NP2: ϕ_s200.00000°,δ50.00000°,λ-85.00000°. Principal axes: T Plg5.0000°,Azm286.0000° ; N Plg0.0000°,Azm0.0000°; P Plg84.0000°,Azm145.0000°
NEIC Event type se. Moment Tensor Solution. s69 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.24 $M_{\theta\theta}$0.07 $M_{\phi\phi}$1.17 $M_{r\theta}$0.03 $M_{\theta\phi}$0.28 $M_{\phi r}$0.26 Best double couple: NP1:ϕ_s192.00000° ,δ51.00000°,λ-92.00000°. NP2:ϕ_s15.00000°,δ39.00000°,λ-88.00000°. Principal axes: T 1.2600,Plg6.0000°,Azm283.0000°; N 0.0100,Plg1.0000°,Azm193.0000° ; P -1.2700,Plg84.0000°,Azm91.0000° $M_0$1.30000×10^{18}

(490) Kentucky

ISC	XI	10 17 08 13.4–.61	37.15N–.01	83.08W–.02	17–4	4.2b	700	0-146
IDC	XI	10 17 08 11.2–.41	37.14N	82.88W	0	4.3,4.1	¶601883744	
ANF	XI	10 17 08 14.0–.18	37.13N	83.09W	12–1	5.2L,4.1		
NEIC	XI	10 17 08 14.3–.00	37.14N	83.05W	17	4.3b,4.2W		
CERI	XI	10 17 08 14.3	37.14N	83.05W	17	4.3b,4.2W		

ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=5.0km az=115.0.
ANF Error ellipse: s-maj=2.3km s-min=1.7km az=101.0.
NEIC Event type fe. Felt [V] at Ermine, Evarts, Happy, Jeremiah, Kings Mountain and Orlando and [IV] in the Versailles-Prestonburg-Middlesboro area. Also felt [IV] at Appalachia and Dryden, Virginia; at Delbarton, Glenwood, Logan, Salt Rock and Williamstown, West Virginia; at Andrews and North Wilkesboro, North Carolina; at Decatur, Kingston and Rossville, Georgia; at Benton, Bloomington Springs, Blountville, Byrdstown, Huntsville, Jacksboro, Jamestown, Pall Mall, Pioneer and Sunbright, Tennessee; at Oak Hill and Ripley, Ohio. Felt widely in the eastern U.S. from Columbus, Ohio to Alanta, Georgia and from Roanoke, Virginia to Evansville, Indiana and Nashville, Tennessee. After CERI. Moment Tensor Solution. s50 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.75 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-1.01 $M_{r\theta}$-0.84 $M_{\theta\phi}$1.30 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s207.00000°,δ58.00000°,λ-163.00000°. NP2:ϕ_s108.00000° ,δ75.00000°,λ-33.00000°. Principal axes: T 2.3800,Plg11.0000°,Azm161.0000° ; N -0.3300,Plg54.0000°,Azm267.0000°; P -2.0600,Plg33.0000°,Azm63.0000° $M_0$2.20000×10^{15}

(243) Taiwan region

ISC	XI	10 19 59 17.5–1.0	22.00N–.03	121.67E–.03	11–6	3.9b,3.3s	196	0-85
NIED	XI	10 19 59 00	22.20N	121.70E	32	4.1W,3.3s	¶601884071	
IDC	XI	10 19 59 15.8–.84	21.77N	121.45E	0	4.0,3.8		
ISCJB	XI	10 19 59 16.0–.51	21.90N–.02	121.72E–.02	15–3	3.9b,3.2s		
NEIC	XI	10 19 59 17.3–.44	21.91N	121.50E	10	4.9L,4.3b		
TAP	XI	10 19 59 17.4	21.95N	121.60E	15–0	3.9L,4.3b		
JMA	XI	10 19 59 18.3–.20	22.15N	121.71E	8	3.9,4.3b		
ASIES	XI	10 19 59 18.7	22.05N	121.57E	33	3.6W,4.3b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ42.00000°,λ89.00000°. NP2:ϕ_s39.00000°,δ48.00000°,λ91.00000°. $M_0$1.52000×10^{15}
IDC Error ellipse: s-maj=24.7km s-min=18.0km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=154.8.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=7.1km az=93.0. Recorded [4 TAP] in Taitung.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

(399) Ionian Sea

ISC	XI	10 21 30 00.7–.87	37.91N–.02	20.90E–.02	8–5	4.2b,3.3s	483	0-122
GII	XI	10 21 29 56.3–.00	37.89N	20.87E	2	4.2b,3.3s	¶601883751	
ISCJB	XI	10 21 29 59.6–.43	37.89N–.01	20.78E–.01	9–3	4.2b,3.3s		
IDC	XI	10 21 29 59.1–.61	37.97N	20.96E	0	4.1,4.0		
PDG	XI	10 21 29 59.7–.58	37.92N	20.84E	4–1	4.0L,4.0		
MOS	XI	10 21 30 00.1–1.4	37.84N	20.75E	16	4.3b,4.0		
ATH	XI	10 21 30 00.2	37.89N	20.90E	13–0	3.9L,4.0		
NEIC	XI	10 21 30 00.2–.00	37.89N	20.90E	13	4.3b,4.2W		
THE	XI	10 21 30 01.4	37.92N	20.94E	0–2	4.0L,4.2W		
TIR	XI	10 21 30 06.7	37.85N	21.83E	33	4.0,4.2W		
HLW	XI	10 21 30 18.0	36.84N	22.43E	10–37	3.7L,4.2W		

ISC Event type fe.
GII Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=30.7.
IDC Error ellipse: s-maj=13.7km s-min=12.2km az=178.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
MOS Error ellipse: s-maj=7.1km s-min=3.4km az=77.4.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=42.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type fe. Felt at Katastarion, Greece. After ATH. Moment Tensor Solution. s21 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.35 $M_{\theta\theta}$2.45 $M_{\phi\phi}$-2.10 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s314.00000°,δ75.00000°,λ-18.00000°. NP2:ϕ_s49.00000° ,δ73.00000°,λ-164.00000°. Principal axes: T 2.4500,Plg1.0000°,Azm2.0000° ; N 0.0400,Plg67.0000°,Azm95.0000°; P -2.4900,Plg23.0000°,Azm271.0000° $M_0$2.50000×10^{15}
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=245.0.

(385) Strait of Gibraltar

ISC	XI	11 00 19 19.4–1.3	36.28N–.02	3.70W–.02	25–14		179	1-7
SFS	XI	11 00 19 18.0	36.30N	3.73W		3.2L	¶601883757	
CNRM	XI	11 00 19 18.5	36.23N	4.05W	5	3.4L		
MDD	XI	11 00 19 19.0–.32	36.31N	3.71W	0	3.3		
LDG	XI	11 00 19 19.8–.12	36.28N	3.68W	2	3.0L		
INMG	XI	11 00 19 19.1–1.6	36.32N	3.73W	2–3	3.1L		
IGIL	XI	11 00 19 20.3	36.30N	3.73W	9	3.2L		

ISC Event type ke.
SFS MAR DE ALBORAN.
MDD Event type fe. Error ellipse: s-maj=3.1km s-min=2.6km az=25.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=20.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=79.0.

(257) Negros

ISC	XI	11 00 25 42.5–1.5	9.67N–.03	122.17E–.04	11–9	4.0b,3.1s	61	1-147
IDC	XI	11 00 25 40.6–.49	9.56N	122.29E	0	4.1,4.0	¶601991677	
ISCJB	XI	11 00 25 42.9–.99	9.66N–.04	122.18E–.03	23–7	4.0b,3.1s		
MAN	XI	11 00 25 43.4	9.72N	122.16E	23	4.9b,3.8L		
NEIC	XI	11 00 25 45.8–.34	9.55N	122.30E	35	4.1b,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=23.4km s-min=11.4km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.7km az=36.5.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=8.0km az=65.0. Felt [III PIVS] at Jinoba-an and Sipalay.

(296) Myanmar

ISC	XI	11 01 12 39.2–.36	22.89N–.02	95.85E–.02	14–2	6.7s,6.1b	1771	3-167
IDC	XI	11 01 12 36.6–.28	23.08N	95.81E	0	6.5s,6.5	¶601885134	
BJI	XI	11 01 12 36.9	22.88N	95.91E	10	7.0,7.0s		
NEIC	XI	11 01 12 38.0–.00	23.03N	95.71E	13	7.0,7.0s		
ISCJB	XI	11 01 12 38.8–.08	22.99N–.01	95.86E–.01	24	6.7s,6.0b		
NEIC	XI	11 01 12 38.9–.59	23.01N	95.89E	14–3	7.1,6.8W		
MOS	XI	11 01 12 38.5–1.0	22.93N	95.85E	27	6.6s,6.2b		
NDI	XI	11 01 12 39.1–2.9	23.04N	95.91E	14	6.3b,6.3b		
GCMT	XI	11 01 12 54.9–.00	22.73N	96.03E	17–0	6.8W,6.3b		
NEIC	XI	11 01 13 07.4–.00	22.76N	95.71E	10	6.8W,6.3b		

ISC Event type de.
IDC Error ellipse: s-maj=8.3km s-min=6.9km az=59.0.
NEIC Event type se. Moment Tensor Solution. s45 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.02 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.89 $M_{\theta\phi}$2.09 $M_{\phi r}$-0.22 Best double couple: NP1:ϕ_s271.00000° ,δ86.00000°,λ-23.00000°. NP2:ϕ_s3.00000°,δ67.00000°,λ-176.00000°. Principal axes: T 2.2200,Plg13.0000°,Azm319.0000°; N 0.1200,Plg66.0000°,Azm83.0000° ; P -2.3500,Plg18.0000°,Azm224.0000° $M_0$2.30000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=2.2km s-min=1.5km az=36.2.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.6km az=220.0. At least 26 people killed, 230 injured, 251 homes destroyed, 207 buildings damaged, a bridge and mines collapsed and landslides occurred in the Shwebo area. Felt [VII] at Shwebo and [III] at Male and Mandalay. Also felt at Mogok, Pyinmana, Rangoon and Taunggyi. Felt [IV] at Mae Hong Son; [III] at Bangkok, Khlong Toei and Wang Thonglang; [II] at Ban Pa Lan and Chiang Mai, Thailand. Felt widely in northern Thailand. Also felt at Kunming, China and at Aizawl, Dibrugarh and Kohima, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s106.00000°,δ85.00000°,λ10.00000°. NP2: ϕ_s15.00000°,δ80.00000°,λ175.00000°. Principal axes: T Plg11.0000°,Azm331.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm240.0000°
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=117.7.
NDI Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c374; s147,c675; Duration: 6s5 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.08±.01; $M_{r\theta}$1.36±.04; $M_{\theta\phi}$1.93±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s91.00000°,δ88.00000° ,λ35.00000°. NP2:ϕ_s0.00000°,δ55.00000°,λ178.00000°. Principal axes: T 2.4740,Plg25.0000°,Azm321.0000°; N -0.2220,Plg55.0000°,Azm94.0000° ; P -2.2510,Plg23.0000°,Azm220.0000° $M_0$2.36300×10^{19}
NEIC Event type se. Moment Tensor Solution. s146 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.02 $M_{r\theta}$0.11 $M_{\theta\phi}$1.92 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s271.00000° ,δ74.00000°,λ-5.00000°. NP2:ϕ_s2.00000°,δ85.00000°,λ-164.00000°. Principal axes: T 2.0600,Plg8.0000°,Azm135.0000°; N -0.1100,Plg73.0000°,Azm19.0000° ; P -1.9600,Plg15.0000°,Azm227.0000° $M_0$2.00000×10^{19}

(296) Myanmar

ISC	XI	11 01 30 02.5–.29	22.85N–.03	95.83E–.03	32	4.8b	222	3-151
BJI	XI	11 01 29 58.0	22.80N	95.90E	13	5.2L,5.0b	¶601883761	
NEIC	XI	11 01 29 58.7–.18	22.79N	95.92E	10	4.8b,5.0b		
IDC	XI	11 01 29 59.9–3.0	22.81N	95.93E	19–19	4.7L,4.4		
NDI	XI	11 01 29 59.6–3.1	22.75N	95.91E	19–27	4.8b,4.8b		
MOS	XI	11 01 29 59.4–.88	22.77N	95.91E	29	5.1b,4.8b		
ISCJB	XI	11 01 30 00.4–.18	22.84N–.02	95.84E–.02	32	6.4s,4.7b		

ISC Event type fe.
NEIC Event type fe. Felt at Shwebo.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

JMA	XI	11 04 59 30.6–.20	35.74N	140.86E	12–1	3.7	¶606058931	

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(134) Off coast of central Chile

ISC	XI	11 05 10 54.4–1.3	33.93S–.03	72.23W–.06	5–7	4.3b,4.1s	67	1-176
SJA	XI	11 05 10 50.5–1.3	34.13S	72.97W	52–38	4.7W,4.7L	¶601883928	
GUC	XI	11 05 10 55.8–.62	33.96S	72.31W	35–3	4.6L,4.7L		
NEIC	XI	11 05 10 55.9–1.3	33.96S	72.13W	13–8	4.6L,4.6b		
IDC	XI	11 05 10 59.6–4.5	33.95S	71.84W	37–37	4.3L,4.2s		

ISC Event type fe.
SJA Error ellipse: s-maj=20.2km s-min=19.3km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=5.1km az=94.0. Felt [III] at La Estrella, Litueche and Navidad; [II] at Curico, El Quisco, Parral, Pichilemu, Rancagua, San Antonio, San Fernando and Talca. Also felt at Chanco, Santiago and Vina del Mar.
IDC Error ellipse: s-maj=33.3km s-min=16.7km az=96.0.

(228) Near east coast of eastern Honshu

ISC	XI	11 05 15 53.0–.42	37.57N–.04	141.72E–.04	77–3	4.6b	249	1-146
NIED	XI	11 05 15 00	37.60N	141.60E	77	4.3W	¶601883929	
BJI	XI	11 05 15 45.8	37.57N	141.84E	36	5.0b,4.7b		
ISCJB	XI	11 05 15 52.7–.33	37.61N–.03	141.60E–.04	82–2	4.5b,4.7b		
MOS	XI	11 05 15 52.6–.93	37.82N	141.59E	74	4.9b,4.7b		
NEIC	XI	11 05 15 53.5–.51	37.65N	141.55E	76–4	4.7b,4.7b		
JMA	XI	11 05 15 53.0–.10	37.58N	141.64E	77–1	4.5,4.7b		
IDC	XI	11 05 15 53.8–.40	37.57N	141.53E	86–3	4.4,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ42.00000°,λ-55.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-117.00000°. $M_0$3.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=37.5.
MOS Error ellipse: s-maj=8.2km s-min=5.2km az=87.7.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=129.0. Recorded [3 JMA] in Fukushima and Miyagi.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s198.00000°,δ61.00000°,λ-114.00000°. NP2:ϕ_s61.00000°,δ37.00000°,λ-53.00000°. Principal axes: T Plg13.0000°,Azm305.0000°; N Plg21.0000°,Azm210.0000°; P Plg65.0000° ,Azm64.0000°
IDC Error ellipse: s-maj=11.5km s-min=8.3km az=110.0.

(71) Near coast of Guatemala

ISC	XI	11 05 40 08.5–1.4	13.83N–.08	91.82W–.07	43–12	4.4b	255	1-146
UCR	XI	11 05 40 06.5–.90	13.76N	91.76W	18–13	4.5b,3.8L	¶602054306	
NEIC	XI	11 05 40 08.6–.41	13.86N	91.68W	35	4.5b,3.8		
MEX	XI	11 05 40 10.5–.29	14.04N	92.07W	80–7	3.8,3.8		
IDC	XI	11 05 40 12.0–2.3	13.81N	91.51W	80–18	4.2,4.2		

ISC Event type fe.
UCR Error ellipse: s-maj=19.7km s-min=9.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=202.0. Felt at Totonicapan.
MEX Error ellipse: s-maj=6.8km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=15.9km az=46.0.

(134) Off coast of central Chile

ISC	XI	11 05 46 48.0–.71	34.03S–.04	72.31W–.05	18–4	4.7b,4.3s	121	1-176
SJA	XI	11 05 46 37.7–.88	34.44S	73.12W	40	5.1L,4.8W	¶601883933	
BJI	XI	11 05 46 45.7	34.11S	72.52W	16	5.1s,5.0		
ISCJB	XI	11 05 46 47.0–1.1	33.98S–.03	72.42W–.05	24–8	4.6b,4.3s		
GUC	XI	11 05 46 48.3–.59	33.97S	72.26W	37–3	4.7L,4.3s		
NEIC	XI	11 05 46 48.2–.64	33.98S	72.18W	16–4	4.8b,4.7L		
IDC	XI	11 05 46 51.1–5.2	33.92S	71.94W	33–37	4.5L,4.3		

ISC Event type fe.
SJA Error ellipse: s-maj=12.0km s-min=10.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.6km az=29.5.
GUC Error ellipse: s-maj=2.1km s-min=4.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.1km az=95.0. Felt [III] at Algarrobo, El Quisco, Navidad, Paredones, Pichilemu, San Antonio, San Fernando and Talca; [II] at Curico, Litueche, Rancagua, Santa Cruz, Santiago and Villa Alegre. Also felt at Macul.
IDC Error ellipse: s-maj=27.8km s-min=15.9km az=101.0.

(228) Near east coast of eastern Honshu

ISC	XI	11 06 03 12.2–1.4	38.64N–.05	142.0E–.10	47–10	3.5b	33	0-62
IDC	XI	11 06 03 05.4–1.1	38.66N	142.24E	0	3.6,3.6	¶602389202	
ISCJB	XI	11 06 03 11.7–.83	38.63N–.04	141.99E–.10	56–5	3.6b,3.6		
JMA	XI	11 06 03 13.6	38.64N	141.90E	48–1	3.8,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=19.1km az=83.0.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.8km az=15.7.
JMA Event type fe.

(134) Off coast of central Chile

ISC	XI	11 07 24 20.5–.78	33.97S–.03	72.34W–.07	22–6	4.2b,3.5s	72	1-157
NEIC	XI	11 07 24 21.0–.00	33.97S	72.27W	38	4.4b,4.2L	¶601883935	
GUC	XI	11 07 24 21.0–.68	33.98S	72.28W	38–32	4.2L,4.2L		
IDC	XI	11 07 24 25.1–2.6	34.04S	71.61W	48–24	3.9,3.9		

ISC Event type fe.
NEIC Event type fe. Felt [II] at El Quisco and San Antonio. After GUC.
GUC Error ellipse: s-maj=3.8km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=29.2km s-min=17.9km az=94.0.

(228) Near east coast of eastern Honshu

ISC	XI	11 08 52 11.8–1.8	37.11N–.05	141.40E–.07	10–10	3.6b	29	0-147
NIED	XI	11 08 52 00	37.10N	141.40E	8	3.7W	¶602389209	
ISCJB	XI	11 08 52 10.3–1.2	37.08N–.05	141.50E–.05	10–6	3.6b		
IDC	XI	11 08 52 10.7–.98	37.05N	141.32E	0	3.8,3.7		
JMA	XI	11 08 52 12.5–.10	37.08N	141.38E	31–1	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ31.00000°,λ-96.00000°. NP2:ϕ_s207.00000°,δ60.00000°,λ-87.00000°. $M_0$3.53000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.4km az=149.0.
IDC Error ellipse: s-maj=25.3km s-min=20.7km az=154.0.
JMA Event type fe.

(296) Myanmar

ISC	**XI**	**11 10 54 43.4–.43**	**22.70N–.03**	**95.77E–.02**	**17–2**	**5.9s,5.6b**	**947**	**3-167**
ISCJB	XI	11 10 54 39.1–.57	22.74N–.02	95.83E–.02	1–3	5.9s,5.5b		**¶601883941**
BJI	XI	11 10 54 40.8	22.69N	95.91E	10	6.3L,6.2		
IDC	XI	11 10 54 41.9–2.0	22.73N	95.84E	12–12	5.7s,5.7		
NEIC	XI	11 10 54 41.4–.10	22.72N	95.83E	6	6.0,5.8W		
NEIC	XI	11 10 54 42.0–.00	22.56N	95.90E	11	6.0,5.8W		
GCMT	XI	11 10 54 42.3–.10	22.60N–.01	96.05E–.01	12	5.9W,5.8W		
NDI	XI	11 10 54 42.7–2.7	22.54N	95.93E	33–36	5.8L,5.7b		
MOS	XI	11 10 54 43.0–1.1	22.71N	95.83E	31	5.8b,5.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=38.7.
IDC Error ellipse: s-maj=10.5km s-min=7.8km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=54.0. Felt at Chaunggyi. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.66 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-0.65 $M_{r\theta}$-0.62 $M_{\theta\phi}$5.19 $M_{\phi r}$0.54 Best double couple: NP1: ϕ_s184.00000°,δ83.00000°,λ-174.00000°. NP2:ϕ_s94.00000°,δ84.00000°,λ-7.00000°. Principal axes: T 5.3400,Plg1.0000°,Azm139.0000°; N -0.0700,Plg81.0000°,Azm237.0000° ; P -5.2800,Plg9.0000°,Azm49.0000° M_o5.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s262.00000°,δ81.00000°,λ-20.00000°. NP2: ϕ_s355.00000°,δ70.00000°,λ-170.00000°. Principal axes: T Plg7.0000°,Azm310.0000° ; N Plg0.0000°,Azm0.0000°; P Plg21.0000°,Azm217.0000°
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.79 $M_{r\theta}$2.40 $M_{\theta\phi}$5.58 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s85.00000°,δ87.00000° ,λ23.00000°. NP2:ϕ_s354.00000°,δ67.00000°,λ176.00000°. Principal axes: T 5.9600,Plg18.0000°,Azm312.0000°; N 0.4600,Plg66.0000°,Azm92.0000° ; P -6.4200,Plg13.0000°,Azm217.0000° M_o6.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c240; s135,c414; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.06 $M_{\theta\theta}$-0.31±.07; $M_{\phi\phi}$0.02±.07; $M_{r\theta}$2.06±.16; $M_{\theta\phi}$7.73±.05; $M_{\phi r}$2.38±.17; Best double couple: NP1:ϕ_s358.00000°,δ77.00000° ,λ164.00000°. NP2:ϕ_s91.00000°,δ75.00000°,λ14.00000°. Principal axes: T 8.7550,Plg20.0000°,Azm314.0000°; N -0.8740,Plg70.0000°,Azm139.0000° ; P -7.8800,Plg1.0000°,Azm45.0000° M_o8.31700×10^{17}
NDI Error ellipse: s-maj=18.9km s-min=22.4km az=-1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=113.9.

(296) Myanmar

ISC	**XI**	**11 18 19 44.7–.42**	**23.20N–.03**	**95.80E–.02**	**20–2**	**5.5b,5.3s**	**961**	**3-167**
IDC	XI	11 18 19 40.6–.31	23.11N	95.88E	0	5.7L,5.2		**¶601885138**
BJI	XI	11 18 19 41.0	23.10N	95.96E	14	6.0L,5.9b		
NEIC	XI	11 18 19 42.0–.00	22.81N	95.66E	11	6.0L,5.9b		
GCMT	XI	11 18 19 43.1–.10	23.06N–.01	96.07E–.01	20–0	5.6W,5.9b		
ISCJB	XI	11 18 19 43.7–.63	23.21N–.02	95.77E–.02	27–4	5.4b,5.3s		
MOS	XI	11 18 19 44.4–1.4	23.20N	95.81E	33	5.7b,5.1s		
NDI	XI	11 18 19 45.9–3.0	23.18N	95.86E	28	5.6b,5.5b		
NEIC	XI	11 18 19 45.1–1.5	23.13N	95.87E	28–10	5.5W,5.5W		

ISC Event type fe.
IDC Error ellipse: s-maj=9.1km s-min=7.1km az=84.0.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-0.38 $M_{r\theta}$0.31 $M_{\theta\phi}$1.91 $M_{\phi r}$0.19 Best double couple: NP1:ϕ_s94.00000°,δ82.00000° ,λ10.00000°. NP2:ϕ_s3.00000°,δ80.00000°,λ172.00000°. Principal axes: T 1.8900,Plg12.0000°,Azm319.0000°; N 0.1600,Plg77.0000°,Azm131.0000° ; P -2.0500,Plg1.0000°,Azm228.0000° M_o2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c154; s118,c240;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.03 $M_{\theta\theta}$-0.00±.03; $M_{\phi\phi}$-0.12±.04; $M_{r\theta}$1.04±.08; $M_{\theta\phi}$2.68±.03; $M_{\phi r}$0.72±.07; Best double couple: NP1:ϕ_s93.00000°,δ78.00000°,λ20.00000°. NP2:ϕ_s358.00000°,δ71.00000°,λ167.00000°. Principal axes: T 3.1340,Plg23.0000° ,Azm317.0000°; N -0.3710,Plg67.0000°,Azm124.0000°; P -2.7630,Plg5.0000° ,Azm225.0000° M_o2.94900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=31.6.
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=116.5.
NDI Error ellipse: s-maj=7.4km s-min=12.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=216.0. Felt at Mogok. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$0.07 $M_{r\theta}$0.58 $M_{\theta\phi}$1.81 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s90.00000°,δ85.00000°,λ17.00000°. NP2: ϕ_s358.00000°,δ73.00000°,λ175.00000°. Principal axes: T 1.9900,Plg16.0000°,Azm315.0000° ; N -0.1500,Plg72.0000°,Azm104.0000°; P -1.8400,Plg9.0000°,Azm223.0000° M_o1.90000×10^{17}

(310) Nepal

ISC	**XI**	**11 18 39 22.2–.28**	**29.41N–.03**	**81.45E–.03**	**27**	**4.6b**	**375**	**2-155**
ISCJB	XI	11 18 39 20.9–.15	29.51N–.02	81.46E–.02	27	4.6s,4.5b		**¶601883951**
BJI	XI	11 18 39 20.9	29.54N	81.40E	25	5.2b,4.7b		
DMN	XI	11 18 39 20.1–.38	29.56N	81.18E	10	5.6L,4.7b		
NDI	XI	11 18 39 21.2–3.3	29.30N	81.43E	10	4.8b,4.8L		
MOS	XI	11 18 39 22.4–1.2	29.50N	81.47E	37	4.9b,4.8L		
IDC	XI	11 18 39 23.1–2.3	29.36N	81.47E	33–17	4.9L,4.5		
NEIC	XI	11 18 39 23.7–.60	29.46N	81.48E	37–6	4.8b,4.5		
NNC	XI	11 18 39 26.3–7.8	29.82N	81.14E	21–58	5.0b,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.1km az=35.1.
DMN Event type ke. Error ellipse: s-maj=13.5km s-min=7.9km az=29.0.
NDI Error ellipse: s-maj=8.1km s-min=5.6km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=112.7.
IDC Error ellipse: s-maj=10.7km s-min=9.0km az=14.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.1km az=45.0. Felt at Birendranagar and Mangalsen. Also felt at Haldwani, Rishikesh and Uttarkashi, India.
NNC Event type se. Error ellipse: s-maj=43.2km s-min=34.0km az=84.0.

(192) New Britain region

ISC	**XI**	**11 21 33 07.7–.60**	**5.51S–.04**	**151.82E–.04**	**53–5**	**5.2b,4.7s**	**711**	**1-157**
IDC	XI	11 21 33 05.0–2.0	5.44S	151.78E	28–13	4.8,4.8		**¶601991730**
MOS	XI	11 21 33 05.2–.92	5.28S	151.63E	33	5.5b,4.8		
ISCJB	XI	11 21 33 05.4–.73	5.48S–.03	151.65E–.02	38–6	5.2b,4.7s		
BJI	XI	11 21 33 07.3	5.65S	151.98E	80	5.2b,5.1b		
NEIC	XI	11 21 33 07.7–.72	5.45S	151.69E	50–6	5.3b,5.1b		
GCMT	XI	11 21 33 08.7–.20	5.76S–.01	151.77E–.02	31–0	5.3W,5.1b		
DJA	XI	11 21 33 17.7–.80	5S–4.0	152E–5.0	132–8	5.7b,5.2		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kokopo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c130; s69,c109;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.78±.02 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.05±.03; Best double couple: NP1:ϕ_s87.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s244.00000°,δ30.00000°,λ70.00000°. Principal axes: T 0.9590,Plg71.0000° ,Azm22.0000°; N 0.0290,Plg10.0000°,Azm261.0000°; P -0.9880,Plg16.0000°,Azm168.0000° M_o0.97300×10^{17}

(69) Near coast of Chiapas

ISC	**XI**	**11 22 14 59.1–.43**	**14.07N–.03**	**92.33W–.03**	**19–1**	**6.3s,5.8b**	**1879**	**1-160**
UCR	XI	11 22 14 50.1–1.5	14.52N	93.10W	38–108	6.4b,5.5b		**¶601884078**
MEX	XI	11 22 14 57.2–2.0	13.75N	92.45W	18–24	6.2,5.5b		
NEIC	XI	11 22 14 59.2–.14	14.13N	92.16W	20	6.5W,6.4W		
IDC	XI	11 22 15 00.8–2.5	14.19N	92.14W	34–18	6.1s,6.1		
MOS	XI	11 22 15 00.7–1.1	14.32N	92.09W	36	6.3s,5.8b		
BJI	XI	11 22 15 00.2	14.21N	92.17W	30	6.5,6.5s		
NEIC	XI	11 22 15 01.0–.00	14.11N	92.23W	15	6.5,6.5s		
ISCJB	XI	11 22 15 02.6–.28	14.22N–.01	92.15W–.01	60–2	5.7b,6.5s		
GCMT	XI	11 22 15 06.2–.10	13.94N	92.68W	12	6.4W,6.5s		
NEIC	XI	11 22 15 25.3–.00	14.20N	92.30W	21	6.4W,6.5s		

ISC Event type fe.
UCR Error ellipse: s-maj=31.0km s-min=62.4km az=-1.0.
MEX Error ellipse: s-maj=6.6km s-min=6.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=213.0. Felt [III] at Cahabon, El Palmar, Guatemala, Ocos and Villa Nueva; [II] at Mixco. Felt widely in southern Guatemala. Felt [II] at San Salvador, El Salvador. Also felt at Delgado. Felt at Huixtla, La Concordia, San Cristobal de Las Casas, Tapachula and Tuxtla Gutierrez, Mexico. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.06 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s65 Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.58 $M_{\theta\phi}$0.23 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s107.00000° ,δ70.00000°,λ93.00000°. NP2:ϕ_s277.00000°,δ20.00000°,λ81.00000°. Principal axes: T 2.2600,Plg65.0000°,Azm23.0000°; N -0.1600,Plg3.0000°,Azm286.0000° ; P -2.1000,Plg25.0000°,Azm195.0000° M_o2.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s285.00000°,δ15.00000°,λ90.00000°. NP2: ϕ_s105.00000°,δ75.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm15.0000° ; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm195.0000°
IDC Error ellipse: s-maj=15.9km s-min=9.6km az=56.0.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=105.0.
NEIC Event type se. Moment Tensor Solution. s79 Moment tensor: Scale 10^{18}Nm; M_{rr}3.36 $M_{\theta\theta}$-2.53 $M_{\phi\phi}$-0.83 $M_{r\theta}$6.04 $M_{\theta\phi}$1.07 $M_{\phi r}$-2.56 Best double couple: NP1:ϕ_s113.00000° ,δ77.00000°,λ89.00000°. NP2:ϕ_s298.00000°,δ13.00000°,λ94.00000°. Principal axes: T 7.4600,Plg57.0000°,Azm21.0000°; N -0.3100,Plg0.0000°,Azm113.0000° ; P -7.1500,Plg31.0000°,Azm204.0000° M_o7.30000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=136.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c348; s137,c567; Duration: 4s0 Moment tensor: Scale 10^{18}Nm; M_{rr}3.30±.02 $M_{\theta\theta}$-3.04±.01; $M_{\phi\phi}$-0.25±.02; $M_{r\theta}$3.66±.04; $M_{\theta\phi}$1.24±.01; $M_{\phi r}$-2.21±.05; Best double couple: NP1:ϕ_s119.00000°,δ71.00000° ,λ96.00000°. NP2:ϕ_s282.00000°,δ20.00000°,λ74.00000°. Principal axes: T 5.3990,Plg64.0000°,Azm38.0000°; N 0.1470,Plg5.0000°,Azm297.0000° ; P -5.5370,Plg26.0000°,Azm204.0000° M_o5.46800×10^{18}
NEIC Event type se. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}3.76 $M_{\theta\theta}$-3.23 $M_{\phi\phi}$-0.53 $M_{r\theta}$3.79 $M_{\theta\phi}$1.20 $M_{\phi r}$-2.43 Best double couple: NP1:ϕ_s283.00000° ,δ21.00000°,λ74.00000°. NP2:ϕ_s120.00000°,δ70.00000°,λ96.00000°. Principal axes: T 5.9200,Plg64.0000°,Azm39.0000°; N -0.1600,Plg6.0000°,Azm298.0000° ; P -5.7600,Plg25.0000°,Azm205.0000° M_o5.80000×10^{18}

(221) Kuril Islands

ISC	**XI**	**11 23 16 42.8–.51**	**49.27N–.05**	**155.45E–.04**	**61–4**	**5.0b**	**568**	**1-153**
KRSC	XI	11 23 16 39.6–1.8	49.16N	155.73E	81–30	5.8L		**¶601884083**
ISCJB	XI	11 23 16 41.8–.40	49.33N–.03	155.36E–.03	62–3	5.0b		
MOS	XI	11 23 16 42.0–.93	49.33N	155.36E	67	5.1b,4.6s		
BJI	XI	11 23 16 42.0	49.40N	155.20E	66	5.6b,5.5s		
NEIC	XI	11 23 16 44.3–.54	49.36N	155.21E	71–5	5.1b,5.5s		
IDC	XI	11 23 16 45.2–1.9	49.38N	155.22E	80–17	5.1s,5.1		

ISC Event type se.
KRSC Event type se. FELT [III-IV] at Severo-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.4km az=148.5.
MOS Event type fe. Error ellipse: s-maj=8.1km s-min=3.0km az=73.4. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=152.0.
IDC Error ellipse: s-maj=12.0km s-min=7.7km az=143.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**12 00 32 34.3–1.1**	**39.65N–.04**	**142.22E–.08**	**46–8**	**3.9b**	**42**	**0-81**
ISCJB	XI	12 00 32 33.3–.65	39.65N–.03	142.20E–.08	54–4	3.8b		**¶601991744**
JMA	XI	12 00 32 34.8	39.63N	142.11E	48–1	3.9		
IDC	XI	12 00 32 35.4–2.3	39.64N	142.23E	61–19	3.8,3.8		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.3km az=11.0.
JMA Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=12.8km az=111.0.

(69) Near coast of Chiapas

ISC	**XI**	**12 06 05 20.2–.47**	**14.26N–.05**	**92.32W–.06**	**35**	**4.5b**	**218**	**1-146**
ISCJB	XI	12 06 05 20.2–.28	14.38N–.04	92.25W–.03	35	4.5b,3.6s		**¶602058441**
NEIC	XI	12 06 05 21.9–.36	14.37N	92.16W	35	4.5b,3.6s		
UCR	XI	12 06 05 22.4–2.0	14.66N	92.13W	88–72	4.4b,4.0L		
MEX	XI	12 06 05 25.0–.65	14.52N	92.18W	59–7	3.9,4.0L		
IDC	XI	12 06 05 28.0–2.0	14.51N	91.76W	102–16	4.3,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=2.3km az=33.7.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=211.0. Felt at Quetzaltenango.
UCR Error ellipse: s-maj=69.5km s-min=30.7km az=-1.0.
MEX Error ellipse: s-maj=8.0km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=9.8km az=55.0.

(78) Costa Rica

ISC	**XI**	**12 08 45 45.6–.66**	**9.80N–.05**	**84.24W–.04**	**56–6**	**4.2b,3.4s**	**125**	**0-141**
IDC	XI	12 08 45 43.1–2.7	10.00N	84.05W	34–24	4.3L,4.0		**¶601885145**
ISCJB	XI	12 08 45 45.1–.27	9.79N–.04	84.24W–.03	64–2	4.2b,4.0		
UCR	XI	12 08 45 45.8–1.4	9.77N	84.24W	48–4	4.5L,4.3b		
NEIC	XI	12 08 45 46.2–.66	9.79N	84.26W	62–6	4.3b,4.2W		

ISC Event type fe.
IDC Error ellipse: s-maj=35.6km s-min=15.6km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=2.8km az=39.6.
UCR Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=6.1km az=223.0. Felt [IV] at Santa Cruz. Felt widely in western Costa Rica and the Valle Central.

(245) Northeast of Taiwan

ISC	**XI**	**12 10 15 27.2–.87**	**25.04N–.06**	**125.00E–.04**	**30–7**	**3.9b,3.2s**	**34**	**0-81**
NIED	XI	12 10 15 00	25.20N	124.90E	5	4.3W,3.2s		**¶601885148**
BJI	XI	12 10 15 15.6	24.34N	125.78E	25	4.5b,4.4b		
ISCJB	XI	12 10 15 24.4–.93	25.23N–.06	124.96E–.04	24–7	3.9b,3.2s		
JMA	XI	12 10 15 25.0–.30	25.19N	124.91E	5	4.8,3.2s		
IDC	XI	12 10 15 29.1–3.6	25.27N	125.06E	50–35	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s114.00000°,δ43.00000°,λ-89.00000°. NP2:ϕ_s292.00000°,δ47.00000°,λ-91.00000°. M_o3.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.4km az=156.4.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=22.6km s-min=14.9km az=66.0.

(211) Southeast of Honshu

ISC	**XI**	**12 11 15 09.0–.23**	**29.71N–.02**	**138.02E–.03**	**502–2**	**5.1b**	**1672**	**4-166**
NIED	XI	12 11 15 00	29.70N	138.50E	500	5.7W		**¶601885152**
JMA	XI	12 11 15 07.1–.20	29.68N	138.50E	521–4	5.9		
ISCJB	XI	12 11 15 08.6–.15	29.67N–.01	138.02E–.02	504–1	5.1b		
MOS	XI	12 11 15 08.2–.82	29.71N	137.98E	501	5.3b,4.5s		
IDC	XI	12 11 15 09.5–.33	29.73N	138.03E	506–3	5.7,4.8		
NEIC	XI	12 11 15 09.3–.22	29.69N	137.99E	502–2	5.0b,4.8		
BJI	XI	12 11 15 09.2	29.77N	137.92E	506	5.5b,5.3b		
GCMT	XI	12 11 15 11.3–.20	29.79N–.01	137.91E–.02	506–1	5.7W,5.3b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ42.00000°,λ-44.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ-123.00000°. M_o4.01000×10^{17}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s113,c204;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.40±.06 $M_{\theta\theta}$1.10±.10; $M_{\phi\phi}$2.30±.10; $M_{r\theta}$0.61±.10; $M_{\theta\phi}$2.66±.09; $M_{\phi r}$-3.18±.10; Best double couple: NP1:ϕ_s11.00000° ,δ66.00000°,λ-120.00000°. NP2:ϕ_s245.00000°,δ38.00000°,λ-42.00000°. Principal axes: T 5.0230,Plg16.0000°,Azm122.0000°; N 0.2570,Plg27.0000°,Azm24.0000° ; P -5.2800,Plg58.0000°,Azm239.0000° M_o5.15200×10^{17}

(98) Trinidad

ISC	**XI**	**12 12 08 11.6–.65**	**10.64N–.04**	**61.96W–.04**	**64–7**	**4.4b**	**185**	**1-145**
ISCJB	XI	12 12 08 10.8–.25	10.63N–.02	61.93W–.03	73–3	4.2b		**¶601890910**
CAR	XI	12 12 08 11.0–.00	10.77N	61.65W	33	4.2b		
NEIC	XI	12 12 08 12.2–.30	10.59N	61.91W	71–3	4.5b,4.2W		
TRN	XI	12 12 08 12.6	10.64N	61.88W	59	4.1,4.2W		
IDC	XI	12 12 08 13.7–1.6	10.77N	61.99W	77–15	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=29.9.
CAR Event type se.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=4.0km az=201.0. Felt [III] at Carenage, Chaguanas, Port of Spain, Toco and Woodbrook, Trinidad. Also felt at Couva, Mucurapo, Saint Joseph, San Fernando, San Juan and Tunapuna.
TRN Event type fe. Felt in Trinidad MMI II, III.

IDC Error ellipse: s-maj=14.9km s-min=12.8km az=143.0.

(15) Gulf of Alaska

ISC	**XI**	**12 20 42 15.9–.43**	**57.56N–.03**	**142.86W–.02**	**19–1**	**6.2s,6.0b**	**2633**	**3-168**
IDC	XI	12 20 42 13.6–.34	57.80N	142.79W	0	6.0,6.0s		**¶601890509**
BJI	XI	12 20 42 13.8	57.56N	142.89W	30	6.5s,6.4		
MOS	XI	12 20 42 13.3–.82	57.78N	142.84W	10	6.1b,6.1s		
NEIC	XI	12 20 42 14.6–.06	57.79N	142.86W	9	6.4,6.3W		
NEIC	XI	12 20 42 14.0–.00	57.75N	142.91W	13	6.4,6.3W		
AEIC	XI	12 20 42 16.8–.00	57.59N	142.88W	11	6.4,6.3W		
GCMT	XI	12 20 42 16.6–.10	57.70N	142.97W	16–0	6.3W,6.3W		
ISCJB	XI	12 20 42 16.3–.07	57.77N–.01	142.74W–.02	30	6.2s,5.9b		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Cordova. Also felt at Anchorage, Eagle River, Homer, Sitka, Skagway, Valdez and Yakutat. Felt at Whitehorse, British Columbia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.59 MPa. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s270.00000°,δ85.00000°,λ20.00000°. NP2:ϕ_s178.00000°,δ70.00000°,λ175.00000°. Principal axes: T Plg17.0000°,Azm136.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000° ,Azm42.0000°

NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.24 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.31 $M_{\theta\phi}$3.15 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s177.00000° ,δ84.00000°,λ-167.00000°. NP2:ϕ_s86.00000°,δ77.00000°,λ-5.00000°. Principal axes: T 3.3200,Plg4.0000°,Azm311.0000°; N -0.1100,Plg76.0000°,Azm201.0000° ; P -3.2100,Plg12.0000°,Azm42.0000° $M_0$3.30000×10^{18}

AEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c328; s149,c602; Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-0.27±.02; $M_{\phi\phi}$0.72±.02; $M_{r\theta}$-1.56±.07; $M_{\theta\phi}$3.59±.02; $M_{\phi r}$-1.21±.06; Best double couple: NP1:ϕ_s267.00000°,δ82.00000° ,λ21.00000°. NP2:ϕ_s174.00000°,δ69.00000°,λ171.00000°. Principal axes: T 4.5980,Plg21.0000°,Azm132.0000°; N -1.1420,Plg67.0000°,Azm287.0000° ; P -3.4560,Plg9.0000°,Azm39.0000° $M_0$4.02700×10^{18}

ISCJB Event type fe.

(662) Sakhalin Island

ISC	**XI**	**12 21 09 11.2–1.2**	**53.62N–.07**	**142.62E–.04**	**34–3**		**16**	**0-34**
MOS	XI	12 21 09 07.3–2.6	53.77N	142.61E	11	4.0b		**¶603750349**
SKHL	XI	12 21 09 10.0–.60	53.37N	142.62E	10	4.2b		

ISC Event type ke.

MOS Event type fe. Error ellipse: s-maj=25.5km s-min=19.3km az=88.0. Felt (II) at Okha. Moment Tensor Solution.

SKHL Feil (II) at Okha.

(460) Wyoming

ISC	**XI**	**12 21 09 12.4–.77**	**43.75N–.04**	**105.36W–.04**	**0**		**28**	**1-11**
ISCJB	XI	12 21 09 10.5–.48	43.82N–.04	105.35W–.06	0			**¶602389306**
NEIC	XI	12 21 09 12.5–.39	43.79N	105.32W	0	3.0		
IDC	XI	12 21 09 12.0–1.8	43.76N	105.51W	0	3.9,3.6		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.5km az=28.2.

NEIC Event type fm. Error ellipse: s-maj=6.5km s-min=5.1km az=148.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=55.3km s-min=8.7km az=149.0.

(383) Northwestern Balkan Peninsula

ISC	**XI**	**12 23 18 43.0–.49**	**42.55N–.01**	**18.99E–.01**	**19–1**	**4.5b**	**805**	**0-124**
TIR	XI	12 23 18 40.3	42.59N	18.96E	10	4.2		**¶606794632**
ROM	XI	12 23 18 42.0–.12	42.53N–.01	18.989E–.01	10	4.6L		
THE	XI	12 23 18 41.2	42.65N	18.99E	0–1	4.1L		
MOS	XI	12 23 18 41.9–1.1	42.57N	18.95E	26	4.4b		
PDG	XI	12 23 18 42.5–.21	42.55N	19.05E	20–0	4.5,4.5L		
NEIC	XI	12 23 18 42.5–.00	42.54N	19.07E	19	4.6b,4.5L		
ISCJB	XI	12 23 18 42.8–.18	42.551N–.01	19.02E–.01	30–1	4.5s,4.4b		
SAR	XI	12 23 18 43.1–.22	42.56N	19.09E	9–1	4.6L,4.4b		
BEO	XI	12 23 18 43.3–.30	42.55N	19.07E	12–2	4.2L,4.4b		
PRU	XI	12 23 18 44.9–.00	42.65N	19.23E	0	4.6,4.4b		
GFZ	XI	12 23 18 44.0	42.51N	19.04E	10	4.6L,4.4b		
LDG	XI	12 23 18 45.1–.20	42.49N	19.04E	15	4.6L,4.4b		
IDC	XI	12 23 18 47.4–1.2	42.60N	19.02E	59–11	4.2,4.0		

ISC Event type fe.

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=333.0.

MOS Error ellipse: s-maj=4.6km s-min=2.8km az=109.7.

PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.

NEIC Event type fe. Felt [IV] at Podgorica and [III] at Kotor. Also felt at Budva and Tivat. Felt at Metkovic, Croatia. After PDG. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}5.70 $M_{\theta\theta}$-4.76 $M_{\phi\phi}$-0.93 $M_{r\theta}$0.63 $M_{\theta\phi}$2.13 $M_{\phi r}$-1.20 Best double couple: NP1:ϕ_s122.00000° ,δ51.00000°,λ100.00000°. NP2:ϕ_s286.00000°,δ40.00000°,λ78.00000°. Principal axes: T 5.9100,Plg80.0000°,Azm81.0000°; N -0.1000,Plg8.0000°,Azm296.0000° ; P -5.8100,Plg5.0000°,Azm205.0000° $M_0$5.90000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=138.6.

BEO Event type ke.

LDG Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=27.0.

IDC Error ellipse: s-maj=9.3km s-min=7.8km az=127.0.

(78) Costa Rica

ISC	**XI**	**13 00 11 57.9–.79**	**10.20N–.04**	**85.73W–.04**	**27–5**	**4.2b**	**101**	**0-151**
UCR	XI	13 00 11 57.9–1.2	10.19N	85.75W	15–3	4.2b,4.0L		**¶602051388**
ISCJB	XI	13 00 11 59.0–.68	10.24N–.05	85.70W–.04	40–6	4.1b,4.0s		
IDC	XI	13 00 12 00.7–1.9	10.86N	85.22W	33–21	4.1,4.1s		
NEIC	XI	13 00 12 01.6–.89	10.37N	85.54W	52–7	4.2b,4.0		

ISC Event type fe.

UCR Error ellipse: s-maj=2.4km s-min=2.7km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.7km az=35.3.

IDC Error ellipse: s-maj=44.5km s-min=15.7km az=38.0.

NEIC Event type fe. Error ellipse: s-maj=16.4km s-min=7.5km az=211.0. Felt in Guanacaste.

(104) Off coast of Ecuador

ISC	**XI**	**13 01 56 43.3–.94**	**1.83S–.04**	**81.65W–.04**	**23–6**	**5.1b,4.1s**	**949**	**1-179**
IDC	XI	13 01 56 39.8–.47	1.72S	81.70W	0	4.9,4.9		**¶601890528**
GCMT	XI	13 01 56 41.8–.20	1.86S–.01	81.72W–.01	12	5.1W,4.9		
ISCJB	XI	13 01 56 44.2–.43	1.69S–.02	81.63W–.02	39–3	5.0b,4.2s		
MOS	XI	13 01 56 44.4–.92	1.68S	81.63W	38	5.2b,4.2s		
IGQ	XI	13 01 56 44.5–.51	2S–2.0	81W–4.0	7–4	5.4,5.4		
BJI	XI	13 01 56 45.5	1.80S	81.60W	30	5.4b,5.4s		
NEIC	XI	13 01 56 46.8–.44	1.74S	81.58W	47–4	5.2,5.1b		

ISC Event type fe.

IDC Error ellipse: s-maj=17.3km s-min=10.3km az=57.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c79; s110,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.36±.09 $M_{\theta\theta}$0.45±.07; $M_{\phi\phi}$4.92±.10; $M_{r\theta}$1.53±.30; $M_{\theta\phi}$0.87±.08; $M_{\phi r}$1.36±.30; Best double couple: NP1:ϕ_s202.00000°,δ55.00000°,λ-77.00000°. NP2:ϕ_s360.00000°,δ37.00000°,λ-108.00000°. Principal axes: T 5.3360,Plg9.0000° ,Azm283.0000°; N 0.5280,Plg11.0000°,Azm15.0000°; P -5.8550,Plg76.0000°,Azm155.0000° $M_0$5.59500×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=147.5.

MOS Error ellipse: s-maj=11.5km s-min=5.4km az=113.7.

NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=57.0. Felt at Bahia de Caraquez, Guayaquil, Manta, Puerto Lopez and Salinas.

(124) Chile-Bolivia border region

ISC	**XI**	**13 03 11 26.1–.27**	**20.42S–.03**	**69.07W–.04**	**97–2**	**4.9b**	**905**	**1-173**
ISCJB	XI	13 03 11 22.8–.34	20.33S–.02	68.84W–.03	83–3	4.9b		**¶601890532**
MOS	XI	13 03 11 24.4–1.3	20.41S	68.89W	91	5.0b		
NEIC	XI	13 03 11 24.9–.33	20.44S	68.89W	83–3	5.1L,4.9b		
GUC	XI	13 03 11 25.0	20.54S	69.03W	93	5.1L,4.9b		
IDC	XI	13 03 11 26.1–.35	20.40S	68.97W	95–3	4.8,4.5		
GCMT	XI	13 03 11 28.9–.40	20.43S–.02	69.40W–.03	137–3	5.0W,4.5		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Huara; [IV] at Alto Hospicio, Iquique, La Tirana, Pica and Pozo Almonte; [III] at Quillagua; [II] at Codpa, Cuya and Oficina Maria Elena. Also felt at Arica.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s55,c73;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.66±.17 $M_{\theta\theta}$2.04±.20; $M_{\phi\phi}$-0.38±.27; $M_{r\theta}$1.20±.11; $M_{\theta\phi}$-1.18±.17; $M_{\phi r}$-2.80±.14; Best double couple: NP1:ϕ_s326.00000°,δ76.00000°,λ-64.00000°. NP2:ϕ_s83.00000°,δ29.00000°,λ-150.00000°. Principal axes: T 3.6210,Plg26.0000° ,Azm36.0000°; N 0.2760,Plg25.0000°,Azm139.0000°; P -3.9020,Plg52.0000°,Azm267.0000° $M_0$3.76100×10^{16}

(134) Off coast of central Chile

ISC	**XI**	**13 04 32 46.9–1.6**	**30.41S–.03**	**71.84W–.06**	**13–10**		**64**	**1-154**
NEIC	XI	13 04 32 44.8–3.4	30.37S	72.23W	3–21	4.0L		**¶602059943**
IDC	XI	13 04 32 44.9–1.2	30.36S	72.22W	0	4.4b,3.9		
GUC	XI	13 04 32 50.5–.56	30.50S	71.56W	65–5	4.0L,3.9		
SJA	XI	13 04 32 53.9–.85	30.49S	71.65W	40–44	4.5W,4.3L		

ISC Event type ke.

NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=6.0km az=89.0. Felt [II] at Andacollo, Coquimbo and Ovalle. Also felt at La Serena.

IDC Error ellipse: s-maj=61.8km s-min=23.0km az=108.0.

GUC Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0.

SJA Error ellipse: s-maj=7.8km s-min=37.4km az=-1.0.

(22) Queen Charlotte Islands region

ISC	**XI**	**13 04 55 47.6–.45**	**52.71N–.03**	**132.04W–.03**	**17–2**	**5.3b,5.1s**	**1358**	**0-163**
BJI	XI	13 04 55 43.0	52.80N	132.00W	10	5.4b,5.3s		**¶601890536**
IDC	XI	13 04 55 44.4–.38	52.62N	132.13W	0	5.1b,5.0		
PGC	XI	13 04 55 46.0–7.0	52.71N	132.03W	22–0	5.3L,5.1b		
NEIC	XI	13 04 55 45.0–.00	52.71N	132.03W	22	5.1W,5.1b		
ISCJB	XI	13 04 55 45.8–.36	52.81N–.01	131.98W–.02	13–2	5.2b,5.1s		
MOS	XI	13 04 55 46.9–.89	52.76N	132.14W	22	5.5b,5.1s		
GCMT	XI	13 04 55 52.0–.50	52.56N–.03	132.07W–.04	29–1	5.5W,5.1s		

ISC Event type fe.

PGC Event type ke. 62km Ssw of Sandspit, Bc Haida Gwaii Region.

NEIC Event type fe. Felt [III] at Prince Rupert. Also felt at Port Hardy and Queen Charlotte. After OTT. Moment Tensor Solution. $M_0$5.90000×10^{16}

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c22; s65,c82;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.19 $M_{\theta\theta}$-1.84±.12; $M_{\phi\phi}$0.20±.12; $M_{r\theta}$0.72±.14; $M_{\theta\phi}$1.17±.06; $M_{\phi r}$0.21±.16; Best double couple: NP1:ϕ_s94.00000°,δ57.00000°,λ63.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ124.00000°. Principal axes: T 1.9100,Plg66.0000° ,Azm312.0000°; N 0.5380,Plg22.0000°,Azm110.0000°; P -2.4500,Plg8.0000°,Azm203.0000° $M_0$2.18000×10^{17}

(68) Off coast of Chiapas

ISC	**XI**	**13 05 31 58.2–.80**	**13.82N–.05**	**92.10W–.05**	**50–7**	**4.6b**	**668**	**1-148**
NEIC	XI	13 05 31 57.0–.20	13.72N	92.03W	35	4.8,4.6b		**¶601890537**
ISCJB	XI	13 05 31 58.6–.40	13.88N–.02	91.93W–.02	64–3	4.6b,4.6b		
MEX	XI	13 05 31 58.5–.67	13.93N	92.27W	11–173	4.8,4.6b		
UCR	XI	13 05 31 59.8–1.4	13.74N	91.80W	20	4.6b,4.2L		
IDC	XI	13 05 32 01.9–2.2	13.81N	91.84W	84–18	4.3s,4.3		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0. Felt at San Marcos.

ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=139.9.

MEX Error ellipse: s-maj=142.5km s-min=32.7km az=-1.0.

UCR Error ellipse: s-maj=18.7km s-min=17.3km az=-1.0.

IDC Error ellipse: s-maj=20.9km s-min=8.3km az=58.0.

(398) Sicily

ISC	**XI**	**13 07 06 34.0–.54**	**38.31N–.03**	**15.89E–.03**	**71–5**	**4.2b**	**463**	**0-73**
MOS	XI	13 07 06 31.9–1.0	38.30N	15.91E	58	4.2b		**¶604738936**
ISCJB	XI	13 07 06 32.7–.14	38.28N–.01	15.98E–.02	79–1	4.1b		
LDG	XI	13 07 06 32.7–.13	38.19N	15.86E	75	3.8L		
NEIC	XI	13 07 06 33.0–.00	38.27N	15.84E	76	4.4L,4.3b		
ROM	XI	13 07 06 33.3–.12	38.235N–.01	15.85E–.01	78–1	4.4L,4.3b		
PDG	XI	13 07 06 34.0–.29	38.43N	16.10E	75–9	4.5L,4.3b		
IDC	XI	13 07 06 34.9–1.4	38.44N	15.72E	82–17	3.9,3.7		
BEO	XI	13 07 06 36.4–1.8	38.67N	16.24E	0	4.7L,3.7		
GII	XI	13 07 06 48.7–.00	37.64N	17.77E	8–0	4.5b,4.4		

ISC Event type fe.

MOS Error ellipse: s-maj=7.5km s-min=4.4km az=49.4.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=171.5.

LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=121.0.

NEIC Event type fe. Felt [II] in northeastern Sicily and in much of Calabria. After ROM.

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=90.0.

IDC Error ellipse: s-maj=18.2km s-min=12.6km az=132.0.

BEO Event type ke.

GII Event type ke.

(479) Colorado

NEIC	**XI**	**13 08 35 13.0–.57**	**37.07N**	**104.90W**	**5**	**2.7L**		**¶601890913**

NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.4km az=4.0. Felt at Trinidad.

(228) Near east coast of eastern Honshu

ISC	**XI**	**13 12 07 54.5–1.5**	**36.88N–.03**	**141.40E–.06**	**7–10**	**3.5b**	**29**	**1-90**
NIED	XI	13 12 07 00	36.90N	141.40E	8	3.6W		**¶602389342**
ISCJB	XI	13 12 07 53.8–1.1	36.89N–.03	141.47E–.06	15–7	3.5b		
IDC	XI	13 12 07 53.7–1.1	36.87N	141.34E	0	3.7,3.5		
JMA	XI	13 12 07 55.4–.10	36.89N	141.37E	33–1	3.8,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ40.00000°,λ-92.00000°. NP2:ϕ_s204.00000°,δ50.00000°,λ-88.00000°. $M_0$3.07000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.2km az=14.5.

IDC Error ellipse: s-maj=26.7km s-min=19.2km az=121.0.

JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XI**	**13 14 46 09.6–1.9**	**36.85N–.04**	**141.31E–.07**	**1–12**	**3.8b**	**29**	**0-61**
NIED	XI	13 14 46 00	36.80N	141.40E	5	3.7W		**¶602389349**
JMA	XI	13 14 46 10.5–.10	36.84N	141.36E	27–1	3.8		
IDC	XI	13 14 46 14.1–5.1	36.80N	141.35E	36–42	3.8,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ40.00000°,λ-57.00000°. NP2:ϕ_s178.00000°,δ58.00000°,λ-115.00000°. $M_0$4.12000×10^{14}

JMA Event type fe.

IDC Error ellipse: s-maj=29.8km s-min=21.0km az=87.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**13 17 58 54.7–1.7**	**36.67N–.03**	**141.13E–.06**	**2–10**	**3.7b**	**33**	**0-60**
NIED	XI	13 17 58 00	36.70N	141.10E	5	3.8W		**¶602389354**
ISCJB	XI	13 17 58 52.4–.00	36.64N–.03	141.25E–.05	2–5	3.7b		
IDC	XI	13 17 58 53.5–1.3	36.59N	141.31E	0	3.8,3.8		
JMA	XI	13 17 58 54.8–.10	36.66N	141.12E	16–1	4.2,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ46.00000°,λ-170.00000°. NP2:ϕ_s235.00000°,δ83.00000°,λ-44.00000°. $M_0$6.54000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.2km az=14.3.

IDC Error ellipse: s-maj=30.1km s-min=16.3km az=78.0.

JMA Event type fe.

(456) Montana

ISC	**XI**	**13 18 25 23.3–.89**	**45.01N–.06**	**106.85W–.05**	**0**		**13**	**2-11**
ISCJB	XI	13 18 25 26.0–.67	45.22N–.07	106.8W–.10	0			**¶602389356**
NEIC	XI	13 18 25 26.7–.67	45.19N	106.84W	0	2.9L		
IDC	XI	13 18 25 26.4–1.4	44.46N	106.13W	0	3.5,3.3		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=12.2km s-min=6.8km az=41.0.

NEIC Event type fm. Error ellipse: s-maj=12.5km s-min=8.3km az=139.0. 44 km [28 miles] NNE of Sheridan. Suspected Mining explosion.

IDC Error ellipse: s-maj=95.6km s-min=8.4km az=142.0.

(257) Negros

ISC	**XI**	**13 18 52 18.6–.68**	**9.49N–.03**	**122.60E–.03**	**74–7**	**4.7b**	**190**	**1-117**
KLM	XI	13 18 51 57.0	10.35N	123.59E	20	4.7b		**¶601891445**
MAN	XI	13 18 52 17.2	9.51N	122.57E	60	5.0b,4.0s		
ISCJB	XI	13 18 52 18.1–.24	9.49N–.02	122.65E–.02	86–2	4.5b,4.0s		
NEIC	XI	13 18 52 20.9–.52	9.44N	122.69E	101–5	4.7b,4.0s		
IDC	XI	13 18 52 21.6–2.4	9.45N	122.73E	107–22	4.3,4.0		
DJA	XI	13 18 52 21.5–.80	9N–5.0	123E–6.0	59–10	5.0b,4.6b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [IV PIVS] at Jinoba-an and [III PIVS] at Bayawan and Sipalay. Also felt at Tanjay.

(377) Spain

ISC	**XI**	**13 19 18 24.2–1.1**	**41.16N–.02**	**1.16W–.02**	**12–9**		**258**	**1-10**
SFS	XI	13 19 18 24.0	41.11N	1.06W	11	3.2L		**¶601891446**
LDG	XI	13 19 18 25.2–.08	41.15N	1.07W	11	3.6L,3.2		
INMG	XI	13 19 18 25.2–1.7	41.12N	1.11W	16–3	3.6,3.2L		
MDD	XI	13 19 18 25.0–.24	41.15N	1.08W	11–0	3.2,3.2L		
STR	XI	13 19 18 28.4–.89	41N–3.0	1W–2.0	8–6	3.7,3.7		
ISC	Event type ke.							
SFS	NOGUERAS. (TERUEL).							
LDG	Event type ke.							
INMG	Event type ke.							
MDD	Event type fe. EMS: III-IV INTENSIDAD MAXIMA. PRXIMO.							
STR	manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.							
	(228) Near east coast of eastern Honshu							
ISC	**XI**	**13 19 34 36.5–2.0**	**36.92N–.04**	**141.36E–.07**	**8–12**	**3.6b**	**32**	**0-61**
NIED	XI	13 19 34 00	36.80N	141.40E	5	3.6W		**¶602389357**
IDC	XI	13 19 34 35.0–1.2	36.92N	141.51E	0	3.7,3.6		
ISCJB	XI	13 19 34 36.4–1.2	36.84N–.03	141.46E–.07	18–7	3.5b,3.6		
JMA	XI	13 19 34 38.2–.10	36.84N	141.34E	33–1	3.8,3.6		
ISC	Event type ke.							
NIED	Moment Tension Solution. Best double couple: NP1:ϕ_s32.00000°,δ30.00000°,λ-55.00000°. NP2:ϕ_s172.00000°,δ66.00000°,λ-109.00000°. $M_0$2.69000×10^{14}							
IDC	Error ellipse: s-maj=28.2km s-min=19.7km az=85.0.							
ISCJB	Event type fe. Error ellipse: s-maj=9.7km s-min=5.4km az=9.8.							
JMA	Event type fe.							
	(173) Tonga Islands							
ISC	**XI**	**13 23 23 48.1–.40**	**21.12S–.06**	**175.83W–.05**	**24–2**	**5.4b,5.1s**	**737**	**8-178**
IDC	XI	13 23 23 43.6–.42	21.12S	175.85W	0	4.9,4.9		**¶601891451**
ISCJB	XI	13 23 23 44.8–2.0	21.08S–.03	175.88W–.03	13–12	5.3b,5.1s		
MOS	XI	13 23 23 48.3–1.3	21.06S	175.88W	33	5.5b,5.0s		
NEIC	XI	13 23 23 48.0–.09	21.04S	175.93W	24	5.4b,5.1s		
GCMT	XI	13 23 23 50.0–.10	21.05S–.01	175.79W–.01	19–0	5.6W,5.1s		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt at Havelu, Nuku'alofa, Pangai and Vaini.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s95,c146; s136,c295;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$-2.37±.03; $M_{\phi\phi}$2.60±.03; $M_{r\theta}$-0.51±.08; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$1.07±.08; Best double couple: NP1:ϕ_s314.00000°,δ86.00000°,λ157.00000°. NP2:ϕ_s45.00000°,δ67.00000°,λ4.00000°. Principal axes: T 2.9720,Plg19.0000° ,Azm267.0000°; N -0.4850,Plg67.0000°,Azm125.0000°; P -2.4880,Plg13.0000°,Azm2.0000° $M_0$2.73000×10^{17}							
	(383) Northwestern Balkan Peninsula							
ISC	**XI**	**13 23 24 09.0–.28**	**42.58N–.01**	**18.99E–.02**	**13**	**4.4b,3.9s**	**790**	**0-124**
TIR	XI	13 23 24 07.8	42.67N	18.96E	25	4.5,3.9s		**¶603912226**
ISCJB	XI	13 23 24 08.6–.09	42.575N–.01	18.96E–.01	13	4.4b,3.9s		
THE	XI	13 23 24 08.9	42.71N	18.70E	26–11	4.1L,3.9s		
MOS	XI	13 23 24 09.7–1.2	42.53N	18.93E	31	4.3b,3.9s		
ROM	XI	13 23 24 09.7–.11	42.52N–.01	18.961E–.01	10	4.5L,3.9s		
LDG	XI	13 23 24 10.2–.14	42.54N	19.16E	10	4.5L,3.9s		
NEIC	XI	13 23 24 10.0–.00	42.55N	19.02E	17	4.5L,4.5L		
PDG	XI	13 23 24 10.4–.21	42.55N	19.02E	17–0	4.5,4.5L		
SAR	XI	13 23 24 10.8–.22	42.56N	19.07E	9–1	4.7L,4.5L		
BEO	XI	13 23 24 11.3–.50	42.57N	19.08E	14–2	4.1L,4.5L		
PRU	XI	13 23 24 11.7–.00	42.63N	19.21E	0	4.6,4.5L		
IDC	XI	13 23 24 13.8–1.2	42.60N	18.99E	52–12	4.1,4.0		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=1.2km s-min=1.0km az=138.1.							
THE	Event type ke. Error ellipse: s-maj=13.6km s-min=1.5km az=314.0.							
MOS	Error ellipse: s-maj=5.2km s-min=3.2km az=106.0.							
ROM	manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.							
LDG	Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=16.0.							
NEIC	Event type fe. Felt [II] at Podgorica. Also felt at Bar, Budva and Niksic. After PDG.							
PDG	Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.							
BEO	Event type ke.							
IDC	Error ellipse: s-maj=9.2km s-min=8.3km az=136.0.							
	(366) Turkey							
ISC	**XI**	**13 23 55 50.3–.59**	**37.31N–.02**	**37.15E–.01**	**10–3**	**4.4b,4.0s**	**417**	**0-133**
HLW	XI	13 23 54 45.3	42.48N	34.23E	10–31	5.2L,4.0s		**¶601891454**
NIC	XI	13 23 55 47.8–.30	37.21N	37.60E	17	4.9b,4.6L		
NEIC	XI	13 23 55 48.9–.00	37.27N	37.11E	13	4.7L,4.5b		
IDC	XI	13 23 55 48.7–.49	37.30N	37.08E	0	4.2,4.1		
MOS	XI	13 23 55 48.9–1.1	37.34N	37.12E	11	4.4b,4.1		
ISK	XI	13 23 55 48.9	37.27N	37.10E	15–0	4.9L,4.1		
DDA	XI	13 23 55 48.7	37.31N	37.12E	23	4.7L,4.1		
GII	XI	13 23 55 50.0–.00	37.32N	37.12E	11	4.6b,4.6		
DSN	XI	13 23 55 54.0–.48	37.33N	37.57E	15	4.5b,4.6		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] at Gaziantep. Also felt at Pazarcik. Felt at Aleppo, Syria. After ISK.							
IDC	Error ellipse: s-maj=9.3km s-min=8.9km az=53.0.							
MOS	Error ellipse: s-maj=7.1km s-min=3.8km az=99.3.							
ISK	Event type ke.							
DDA	Event type ke.							
GII	Event type ke.							
DSN	Error ellipse: s-maj=8.1km s-min=6.6km az=54.0.							
	(123) Northern Chile							
ISC	**XI**	**14 00 00 45.3–.31**	**27.31S–.04**	**69.33W–.05**	**99**	**4.8b**	**714**	**2-171**
ISCJB	XI	14 00 00 44.2–.14	27.13S–.02	69.08W–.04	99	4.7b		**¶601891455**
NEIC	XI	14 00 00 44.5–.34	27.33S	69.04W	91–3	5.0L,4.8b		
GUC	XI	14 00 00 45.8–.62	27.24S	69.73W	141–22	5.0L,4.8b		
SJA	XI	14 00 00 45.6–.76	27.29S	69.36W	142–8	4.7W,4.7L		
IDC	XI	14 00 00 45.7–2.5	27.30S	69.12W	101–19	4.6,4.3		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=5.5km s-min=2.8km az=170.1.							
NEIC	Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=76.0. Felt [IV] at Copiapo and Tierra Amarilla and [III] at Caldera.							
GUC	Error ellipse: s-maj=3.0km s-min=25.7km az=-1.0.							
SJA	Error ellipse: s-maj=2.5km s-min=3.4km az=-1.0.							
IDC	Error ellipse: s-maj=19.2km s-min=12.4km az=52.0.							
	(61) Chiapas							
ISC	**XI**	**14 00 42 58.5–1.1**	**17.40N–.03**	**93.48W–.03**	**5–7**	**4.7b,3.9s**	**510**	**1-135**
IDC	XI	14 00 42 57.5–.56	17.37N	93.46W	0	4.6L,4.3		**¶601891458**
ISCJB	XI	14 00 42 58.6–1.1	17.48N–.02	93.40W–.02	8–7	4.5b,3.9s		
NEIC	XI	14 00 43 01.4–.89	17.36N	93.40W	21–7	4.7,4.6b		
MEX	XI	14 00 43 03.7–.60	17.39N	93.51W	20–22	4.7,4.6b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=17.5km s-min=10.1km az=42.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=142.7.							
NEIC	Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=49.0. Felt at Villahermosa.							
MEX	Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0.							
	(228) Near east coast of eastern Honshu							
ISC	**XI**	**14 01 33 34.5–3.5**	**35.41N–.04**	**141.13E–.06**	**14–22**	**3.8b**	**52**	**0-91**
NIED	XI	14 01 33 00	35.50N	141.10E	32	4.2W		**¶602059951**
IDC	XI	14 01 33 32.7–.83	35.38N	141.14E	0	4.1,3.9		
ISCJB	XI	14 01 33 34.9–.81	35.41N–.04	141.24E–.05	30–5	3.9b,3.9		
NEIC	XI	14 01 33 37.7–.45	35.42N	141.14E	35	4.7b,3.9		
JMA	XI	14 01 33 37.8–.20	35.52N	140.97E	41–2	3.4,3.9		
ISC	Event type se.							
NIED	Moment Tension Solution. Best double couple: NP1:ϕ_s288.00000°,δ12.00000°,λ-119.00000°. NP2:ϕ_s138.00000°,δ80.00000°,λ-84.00000°. $M_0$2.63000×10^{15}							
IDC	Error ellipse: s-maj=20.1km s-min=16.1km az=84.0.							
ISCJB	Event type fe. Error ellipse: s-maj=7.4km s-min=6.1km az=155.9.							
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=8.9km az=205.0.							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
	(257) Negros							
ISC	**XI**	**14 05 21 43.1–.38**	**9.99N–.02**	**122.32E–.02**	**45–3**	**5.5b,5.3s**	**1065**	**1-173**
MAN	XI	14 05 21 40.0	10.03N	122.20E	21	6.2b,5.8s		**¶601891465**
MOS	XI	14 05 21 40.5–1.0	10.06N	122.43E	33	5.7b,5.2s		
BJI	XI	14 05 21 40.7	9.88N	122.46E	50	5.4s,5.3		
IDC	XI	14 05 21 41.1–1.7	10.00N	122.48E	28–11	5.2,5.2s		
ISCJB	XI	14 05 21 42.2–.23	10.03N–.01	122.38E–.02	49–2	5.4b,5.3s		
NEIC	XI	14 05 21 42.5–.33	9.98N	122.47E	41–3	5.7W,5.6W		
GCMT	XI	14 05 21 43.5–.10	10.11N–.01	122.23E–.01	37–0	5.7W,5.6W		
NEIC	XI	14 05 21 43.0–.00	9.99N	122.43E	30	5.7W,5.6W		
KLM	XI	14 05 21 44.0	10.16N	122.45E	52	5.7b,5.6W		
DJA	XI	14 05 21 46.1–.30	10N–2.0	122E–2.0	48–4	6.0,5.9b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [V PIVS] at Binalbagan, Cawayan, Hinigaran, Ilog, Jinoba-an and Kabankalan; [IV PIVS] at Bacolod, Bago, Bayawan, Dumaguete, Pamplona, Pontevedra, Santa Catalina and Tayasan; [II PIVS] at Canlaon and Murcia. Also felt [V PIVS] at Iloilo; [IV PIVS] at Anini-y, Alimodian and Sigma; [III PIVS] at Barbaza, Bugasong, Culasi, Dao, Kalibo, Leso, Pandan, Patnongon, Roxas City, San Jose, San Remigio, Sebaste, Sibalom, Tibiao and Valderrama, Panay. Felt [IV PIVS] at Nueva Valencia, Guimaras Island; [III PIVS] at Masbate, Masbate; [II PIVS] at Dipolog, Mindanao. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}1.78 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-2.49 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.90 Best double couple: NP1:ϕ_s194.00000°,δ67.00000°,λ101.00000°. NP2:ϕ_s347.00000° ,δ26.00000°,λ66.00000°. Principal axes: T 2.6000,Plg66.0000°,Azm124.0000° ; N 0.6400,Plg10.0000°,Azm9.0000°; P -3.2400,Plg21.0000°,Azm275.0000° $M_0$3.00000×10^{17}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s123,c222; s122,c288; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42±.04 $M_{\theta\theta}$0.31±.03; $M_{\phi\phi}$-2.72±.03; $M_{r\theta}$-0.48±.04; $M_{\theta\phi}$-0.18±.02; $M_{\phi r}$-3.39±.07; Best double couple: NP1:ϕ_s187.00000° ,δ72.00000°,λ93.00000°. NP2:ϕ_s359.00000°,δ19.00000°,λ82.00000°. Principal axes: T 4.1360,Plg63.0000°,Azm102.0000°; N 0.3060,Plg3.0000°,Azm6.0000° ; P -4.4340,Plg27.0000°,Azm275.0000° $M_0$4.28500×10^{17}							
NEIC	Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}2.48 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-2.38 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.10 $M_{\phi r}$-4.29 Best double couple: NP1:ϕ_s195.00000° ,δ76.00000°,λ98.00000°. NP2:ϕ_s345.00000°,δ16.00000°,λ60.00000°. Principal axes: T 5.2900,Plg57.0000°,Azm115.0000°; N -0.3200,Plg7.0000°,Azm13.0000° ; P -4.9700,Plg30.0000°,Azm278.0000° $M_0$5.10000×10^{17}							
	(371) Eastern Mediterranean Sea							
ISC	**XI**	**14 07 24 30.9–.83**	**35.89N–.03**	**29.78E–.02**	**31–6**	**4.5b,3.6s**	**429**	**0-100**
BJI	XI	14 07 24 22.6	35.78N	29.37E	10	5.0b,4.7b		**¶601891468**
DDA	XI	14 07 24 28.6	35.85N	29.69E	29	4.4L,4.7b		
ISK	XI	14 07 24 28.1	35.85N	29.74E	10–0	4.5L,4.7b		
NEIC	XI	14 07 24 28.4–.00	35.87N	29.74E	10	4.6b,4.4L		
MOS	XI	14 07 24 29.3–1.3	35.76N	29.85E	33	4.8b,4.4L		
HLW	XI	14 07 24 30.2	35.86N	29.89E	11–18	4.5L,4.1		
ISCJB	XI	14 07 24 30.5–.15	35.81N–.01	29.78E–.01	48–2	4.5b,3.7s		
NIC	XI	14 07 24 31.2–.20	35.91N	29.92E	12	4.5b,4.3L		
ATH	XI	14 07 24 31.7	36.03N	29.61E	35–2	4.4L,4.3L		
IDC	XI	14 07 24 31.2–1.3	35.83N	29.82E	40–13	4.4,4.4L		
GII	XI	14 07 24 33.7–.00	35.65N	29.96E	20	4.3b,4.2		
THE	XI	14 07 24 33.1	36.04N	29.63E	12–1	4.4L,4.2		
ISC	Event type fe.							
DDA	Event type ke.							
ISK	Event type ke.							
NEIC	Event type fe. Felt at Kas, Turkey. After ISK.							
MOS	Error ellipse: s-maj=6.3km s-min=3.9km az=83.9.							
ISCJB	Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=21.2.							
ATH	Event type ke. Error ellipse: s-maj=4.5km s-min=0.8km az=100.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.							
IDC	Error ellipse: s-maj=12.8km s-min=8.1km az=166.0.							
GII	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=69.0.							
	(212) Bonin Islands region							
ISC	**XI**	**14 14 17 15.9–1.1**	**26.64N–.06**	**141.95E–.07**	**34–3**	**4.1b**	**28**	**0-84**
ISCJB	XI	14 14 17 14.5–.60	26.54N–.05	142.1E–.30	42–6	4.1b,3.2s		**¶601991976**
IDC	XI	14 14 17 14.4–6.4	26.56N	142.08E	25–44	4.1,4.0		
NEIC	XI	14 14 17 14.5–1.5	26.54N	142.01E	26–12	4.1b,4.0		
JMA	XI	14 14 17 15.6–.10	26.59N	142.19E	44	3.9,4.0		
ISC	Event type se.							
ISCJB	Event type fe. Error ellipse: s-maj=40.0km s-min=8.5km az=0.7.							
IDC	Error ellipse: s-maj=36.8km s-min=11.6km az=97.0.							
NEIC	Event type se. Error ellipse: s-maj=26.1km s-min=7.3km az=89.0.							
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.							
	(228) Near east coast of eastern Honshu							
ISC	**XI**	**14 17 19 28.5–.49**	**36.46N–.04**	**140.90E–.06**	**32**	**4.5b,3.5s**	**109**	**0-147**
NIED	XI	14 17 19 00	36.40N	141.10E	5	4.3W,3.5s		**¶606060087**
IDC	XI	14 17 19 23.6–.55	36.37N	140.84E	0	4.4,4.3b		
JMA	XI	14 17 19 25.3–.10	36.42N	141.00E	17–1	4.5,4.3b		
ISCJB	XI	14 17 19 27.1–.24	36.41N–.04	140.86E–.04	32	4.4b,3.5s		
NEIC	XI	14 17 19 31.0–.91	36.35N	140.79E	54–8	4.5b,3.5s		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s345.00000°,δ25.00000°,λ-74.00000°. NP2:ϕ_s148.00000°,δ66.00000°,λ-97.00000°. $M_0$2.73000×10^{15}							
IDC	Error ellipse: s-maj=16.5km s-min=15.7km az=99.0.							
JMA	Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s152.00000°,δ67.00000°,λ-139.00000°. NP2:ϕ_s43.00000°,δ52.00000°,λ-29.00000°. Principal axes: T Plg9.0000°,Azm274.0000°; N Plg44.0000°,Azm175.0000°; P Plg45.0000° ,Azm13.0000°							
ISCJB	Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=159.0.							
NEIC	Event type fe. Error ellipse: s-maj=6.2km s-min=5.4km az=185.0. Recorded [2 JMA] in Ibaraki and Tochigi.							
	(135) Near coast of central Chile							
ISC	**XI**	**14 19 02 05.7–.23**	**29.18S–.03**	**71.39W–.03**	**62–1**	**6.2b**	**1931**	**1-179**
ISCJB	XI	14 19 02 02.7–.42	28.98S–.02	71.24W–.03	46–4	6.2b,5.7s		**¶601901485**
GUC	XI	14 19 02 03.8–.75	29.24S	71.24W	82–4	6.2W,5.7L		
SJA	XI	14 19 02 03.9–1.2	29.10S	71.50W	64–9	6.0W,5.8L		
MOS	XI	14 19 02 04.1–1.2	29.04S	71.33W	53	6.4b,5.6s		
IDC	XI	14 19 02 06.0–.40	29.12S	71.33W	64–3	5.7,5.5		
BJI	XI	14 19 02 05.1	29.18S	71.21W	50	6.0,6.0s		
NEIC	XI	14 19 02 05.0–.00	29.06S	71.04W	60	6.0,6.0s		
NEIC	XI	14 19 02 06.1–.10	29.12S	71.19W	63	6.2W,6.2W		
GCMT	XI	14 19 02 07.1–.10	29.32S	71.66W	69–0	6.2W,6.2W		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=177.0.							
GUC	Error ellipse: s-maj=2.0km s-min=8.7km az=-1.0.							
SJA	Error ellipse: s-maj=5.9km s-min=10.6km az=-1.0.							
MOS	Error ellipse: s-maj=9.6km s-min=5.7km az=98.2.							
IDC	Error ellipse: s-maj=10.8km s-min=8.3km az=74.0.							
NEIC	Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.95 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.72 $M_{r\theta}$0.08 $M_{\theta\phi}$0.15 $M_{\phi r}$-1.76 Best double couple: NP1:ϕ_s360.00000° ,δ77.00000°,λ-94.00000°. NP2:ϕ_s201.00000°,δ14.00000°,λ-69.00000°. Principal axes: T 1.8400,Plg32.0000°,Azm93.0000°; N 0.2300,Plg4.0000°,Azm0.0000° ; P -2.0700,Plg57.0000°,Azm263.0000° $M_0$2.00000×10^{18}							
NEIC	Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=77.0. Felt [VI] at La Higuera; [V] at Alto del Carmen, Copiapo, Coquimbo, Freirina, Huasco, La Serena, Ovalle, Paiguano, Tierra Amarilla, Vallenar and Vicuna; [IV] at Andacollo, Caldera, Illapel, Monte Patria, Punitaqui, Rio Hurtado and Salamanca; [III] at Chanaral, Combarbala, Diego de Almagro, La Ligua, Paine, Papudo, Rancagua, Santiago, Taltal, Valparaiso, Vina del Mar and Zapallar. Felt widely in central Chile. Felt [III] at Cordoba, Mendoza and San Juan, Argentina. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.22 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.18 $M_{r\theta}$-0.43 $M_{\theta\phi}$0.59 $M_{\phi r}$-2.24 Best double couple: NP1:ϕ_s14.00000° ,δ87.00000°,λ-107.00000°. NP2:ϕ_s274.00000°,δ17.00000°,λ-10.00000°. Principal axes: T 2.2900,Plg40.0000°,Azm119.0000°; N 0.1900,Plg17.0000°,Azm15.0000° ; P -2.4900,Plg45.0000°,Azm267.0000° $M_0$2.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s190.00000°,δ10.00000°,λ-90.00000°. NP2: ϕ_s10.00000°,δ80.00000°,λ-90.00000°. Principal axes: T Plg35.0000°,Azm100.0000° ; N Plg0.0000°,Azm0.0000°; P Plg55.0000°,Azm280.0000°							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c333; s138,c464; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.82±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$0.63±.02; $M_{r\theta}$0.06±.01; $M_{\theta\phi}$0.86±.01; $M_{\phi r}$-2.06±.01; Best double couple: NP1:ϕ_s4.00000°,δ79.00000° ,λ-111.00000°. NP2:ϕ_s248.00000°,δ23.00000°,λ-28.00000°. Principal axes: T 2.3060,Plg31.0000°,Azm111.0000°; N 0.0920,Plg21.0000°,Azm8.0000° ; P -2.3980,Plg51.0000°,Azm250.0000° $M_0$2.35200×10^{18}							
	(228) Near east coast of eastern Honshu							
ISC	**XI**	**14 23 24 24.9–2.0**	**36.74N–.04**	**141.31E–.09**	**13–9**	**3.4b**	**22**	**1-57**

IDC XI 14 23 24 23.0–2.0 36.70N 141.42E 0 3.6,3.4 ¶602389416
ISCJB XI 14 23 24 24.8–1.3 36.72N–.04 141.32E–.08 20–7 3.3b,3.4
JMA XI 14 23 24 25.6–.10 36.73N 141.26E 31–1 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=27.9km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.9km az=18.9.
JMA Event type fe.

(362) Western Caucasus

ISC XI 15 01 36 39.1–.45 43.87N–.03 39.30E–.02 20–4 4.0b 273 1-63
MOS XI 15 01 36 36.8–.00 43.80N 39.25E 8–0 4.7 ¶601901493
IDC XI 15 01 36 36.3–.51 43.84N 39.19E 0 3.8,3.8
ISCJB XI 15 01 36 38.5–.56 43.88N–.02 39.18E–.02 23–5 3.9b,3.5s
NEIC XI 15 01 36 40.1–1.7 43.99N 39.17E 24–15 4.0b,3.5s
DDA XI 15 01 37 07.0 41.79N 40.45E 10 3.1L,3.5s
ISC Event type fe.
MOS Event type se. FELT I=III-IV MSK at Lazarevskoe, III MSK at Tuapse, II-III MSK at Sochi.
IDC Error ellipse: s-maj=10.3km s-min=7.0km az=2.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=12.5.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=192.0. Felt at Sochi.
DDA Event type ke.

(68) Off coast of Chiapas

ISC XI 15 06 42 37.6–.68 14.10N–.05 92.38W–.05 41–6 4.9b,4.6s 550 1-147
NEIC XI 15 06 42 34.8–.00 13.84N 92.73W 12 5.0,5.0b ¶601901501
MEX XI 15 06 42 34.7–.74 13.86N 92.71W 9–134 5.0,5.0b
GCMT XI 15 06 42 36.8–.30 13.97N–.02 92.96W–.02 20–1 5.1W,5.0b
IDC XI 15 06 42 37.1–2.7 14.19N 92.19W 33–19 4.6,4.6
BJI XI 15 06 42 38.1 14.10N 92.30W 30 5.5b,5.3s
UCR XI 15 06 42 38.4–1.2 14.06N 92.33W 81–97 5.0b,4.3L
ISCJB XI 15 06 42 39.3–.40 14.25N–.03 92.21W–.03 63–3 4.9b,4.3L
ISC Event type fe.
NEIC Event type fe. Felt at Urbina. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c68; s80,c120;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.19 $M_{\theta\theta}$-1.11±.12; $M_{\phi\phi}$-2.25±.12; $M_{r\theta}$1.61±.27; $M_{\theta\phi}$2.39±.09; $M_{\phi r}$-3.88±.33; Best double couple: NP1:ϕ_s154.00000°,δ70.00000°,λ101.00000°. NP2:ϕ_s305.00000°,δ23.00000°,λ63.00000°. Principal axes: T 5.3640,Plg64.0000° ,Azm82.0000°; N 0.5690,Plg10.0000°,Azm331.0000°; P -5.9330,Plg24.0000°,Azm236.0000° M_o5.64900×10^{16}
ISCJB Event type fe.

(70) Guatemala

ISC XI 15 08 01 01.5–.90 14.10N–.05 91.89W–.05 41–7 4.8b,4.7s 559 1-160
MEX XI 15 08 01 00.6–.53 13.89N 92.09W 16–116 4.4,4.7s ¶601901504
UCR XI 15 08 01 00.9–1.4 14.21N 91.97W 35–520 4.9b,4.6L
IDC XI 15 08 01 00.3–2.7 14.02N 91.79W 33–19 4.8L,4.7s
NEIC XI 15 08 01 01.4–.22 14.00N 91.87W 35 4.9b,4.4
GCMT XI 15 08 01 02.4–.20 13.97N–.01 92.30W–.01 32–0 5.4W,4.4
ISCJB XI 15 08 01 03.8–.42 14.15N–.03 91.69W–.03 75–4 4.8b,4.4
ISC Event type ke.
NEIC Event type fe. Felt at Almolonga, Guatemala, Santa Clara La Laguna and Tahuexco.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c149; s84,c144;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.03 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$-0.39±.02; $M_{r\theta}$0.64±.03; $M_{\theta\phi}$0.60±.02; $M_{\phi r}$-0.38±.03; Best double couple: NP1:ϕ_s121.00000°,δ59.00000°,λ90.00000°. NP2:ϕ_s302.00000°,δ31.00000°,λ90.00000°. Principal axes: T 1.6030,Plg76.0000° ,Azm30.0000°; N -0.0320,Plg0.0000°,Azm121.0000°; P -1.5700,Plg14.0000°,Azm211.0000° M_o1.58700×10^{17}
ISCJB Event type fe.

(59) Guerrero

ISC XI 15 09 20 21.4–.26 18.20N–.02 100.53W–.03 58–2 5.8b,5.7s 1710 0-155
MOS XI 15 09 20 18.0–1.1 18.33N 100.33W 33 6.0b,5.6s ¶601901948
NEIC XI 15 09 20 21.9–.13 18.35N 100.38W 53 6.1,6.1
BJI XI 15 09 20 21.0 18.55N 100.30W 50 6.0s,5.8
MEX XI 15 09 20 22.6–.53 18.18N 100.53W 45–3 6.1,5.8
IDC XI 15 09 20 22.9–.51 18.33N 100.40W 65–4 5.6s,5.6
GCMT XI 15 09 20 22.9–.10 18.30N 100.48W 53–0 6.1W,5.6
ISCJB XI 15 09 20 22.2–.26 18.36N–.02 100.41W–.01 71–2 5.7b,5.6
NEIC XI 15 09 20 23.0–.00 18.41N 100.27W 60 5.7b,5.6
NEIC XI 15 09 20 40.5–.00 18.55N 99.86W 53 5.7b,5.6
ISC Event type fe.
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=217.0. Felt [VI] at Acatzingo; [IV] at Cuernavaca, Granjas Mexico, Huixquilucan, Mexico, Nezahualcoyotl, Puebla, Tlalchapa, Toluca and Zihuatanejo. Widely felt in Distrito Federal, Estado de Mexico, Guerrero, Michoacan, Morelos and Puebla and in parts of Guanajuato, Hidalgo and Oaxaca. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.29 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.73 $M_{\theta\theta}$0.98 $M_{\phi\phi}$0.75 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.79 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s125.00000°,δ49.00000°,λ-98.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ-81.00000°. Principal axes: T 1.6800,Plg4.0000°,Azm221.0000°; N 0.0900,Plg6.0000°,Azm130.0000° ; P -1.7600,Plg83.0000°,Azm342.0000° M_o1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s105.00000°,δ53.00000°,λ-106.00000°. NP2: ϕ_s310.00000°,δ40.00000°,λ-70.00000°. Principal axes: T Plg7.0000°,Azm206.0000° ; N Plg0.0000°,Azm0.0000°; P Plg76.0000°,Azm323.0000°
MEX Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=7.8km az=56.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c286; s124,c438; Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.52±.01 $M_{\theta\theta}$1.39±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$-0.40±.01; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$-0.04±.01; Best double couple: NP1:ϕ_s104.00000° ,δ52.00000°,λ-98.00000°. NP2:ϕ_s297.00000°,δ39.00000°,λ-80.00000°. Principal axes: T 1.6310,Plg7.0000°,Azm200.0000°; N -0.0580,Plg6.0000°,Azm109.0000° ; P -1.5820,Plg81.0000°,Azm335.0000° M_o1.60700×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.6km az=34.3.
NEIC Event type se. Moment Tensor Solution. s64 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.60 $M_{\theta\theta}$1.10 $M_{\theta\phi}$0.50 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.45 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s108.00000° ,δ51.00000°,λ-101.00000°. NP2:ϕ_s307.00000°,δ40.00000°,λ-75.00000°. Principal axes: T 1.3600,Plg5.0000°,Azm206.0000°; N 0.3100,Plg9.0000°,Azm115.0000° ; P -1.6800,Plg79.0000°,Azm326.0000° M_o1.50000×10^{18}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.08 $M_{\theta\theta}$1.59 $M_{\theta\phi}$0.49 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s299.00000° ,δ38.00000°,λ-81.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ-97.00000°. Principal axes: T 1.9100,Plg7.0000°,Azm203.0000°; N 0.2500,Plg5.0000°,Azm112.0000° ; P -2.1600,Plg81.0000°,Azm346.0000° M_o2.00000×10^{18}

(14) Kenai Peninsula

NEIC XI 15 09 37 15.0–.00 60.81N 148.95W 46 2.8L ¶602059964
NEIC Event type fe. Felt at Anchorage and Girdwood. After AEIC.

(69) Near coast of Chiapas

ISC XI 15 10 40 25.9–.55 15.21N–.06 93.23W–.06 79–4 4.2b 157 0-144
ISCJB XI 15 10 40 25.6–.47 15.23N–.04 93.25W–.04 78–4 4.2b ¶601906481
MEX XI 15 10 40 26.3–.41 15.15N 93.27W 74–4 3.9
UCR XI 15 10 40 26.5–1.7 15.86N 92.88W 20–999 4.2b,4.0L
NEIC XI 15 10 40 26.2–.00 15.13N 93.30W 71 4.2b,3.9
IDC XI 15 10 40 26.1–.85 15.06N 93.33W 83–6 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.0km az=43.0.
MEX Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Felt at Mapastepec. After MEX.
IDC Error ellipse: s-maj=19.3km s-min=6.9km az=35.0.

(5) Near Islands

ISC XI 15 11 22 22.7–.31 52.36N–.03 173.39E–.02 33–1 5.7b,5.0s 1933 1-161
BJI XI 15 11 22 20.6 52.62N 173.33E 31 5.7b,5.6b ¶601903594
ISCJB XI 15 11 22 21.5–.26 52.43N–.02 173.43E–.01 36–2 5.6b,5.0s
KRSC XI 15 11 22 21.1–3.4 52.18N 173.22E 60–50 5.7L,5.0s
NEIC XI 15 11 22 22.3–.06 52.50N 173.35E 28 5.7L,5.6b
MOS XI 15 11 22 22.0–.88 52.41N 173.38E 43 5.8b,4.8s
AEIC XI 15 11 22 23.3–.00 52.46N 173.36E 25 5.8b,4.8s
IDC XI 15 11 22 23.2–1.1 52.48N 173.41E 33–7 5.5,5.4
GCMT XI 15 11 22 25.3–.20 52.41N–.01 173.40E–.01 38–0 5.6W,5.4
ISC Event type se.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type fe. Felt on Shemya. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17} Nm; M_{rr}1.73 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$0.23 $M_{r\theta}$0.98 $M_{\theta\phi}$-0.31 $M_{\phi r}$1.05 Best double couple: NP1: ϕ_s283.00000°,δ33.00000°,λ128.00000°. NP2:ϕ_s60.00000°,δ64.00000°,λ68.00000°. Principal axes: T 2.3900,Plg64.0000°,Azm293.0000°; N -0.0600,Plg20.0000°,Azm70.0000° ; P -2.3400,Plg16.0000°,Azm166.0000° M_o2.40000×10^{17}
AEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c128; s129,c273;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94±.07 $M_{\theta\theta}$-2.46±.05; $M_{\phi\phi}$0.52±.04; $M_{r\theta}$1.69±.06; $M_{\theta\phi}$-0.18±.03; $M_{\phi r}$1.41±.05; Best double couple: NP1:ϕ_s62.00000°,δ69.00000°,λ67.00000°. NP2:ϕ_s291.00000°,δ31.00000°,λ136.00000°. Principal axes: T 3.1510,Plg59.0000° ,Azm299.0000°; N 0.0060,Plg21.0000°,Azm70.0000°; P -3.1500,Plg21.0000°,Azm169.0000° M_o3.15000×10^{17}

(228) Near east coast of eastern Honshu

ISC XI 15 12 05 33.5–1.1 37.09N–.05 141.14E–.08 67–7 3.6b 40 0-61
ISCJB XI 15 12 05 32.1–.62 37.06N–.03 141.17E–.07 73–4 3.7b ¶602389450
IDC XI 15 12 05 32.8–2.4 37.06N 141.27E 64–20 3.7,3.6
JMA XI 15 12 05 34.1–.10 37.09N 141.04E 69–1 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.1km az=18.9.
IDC Error ellipse: s-maj=20.7km s-min=12.1km az=74.0.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC XI 15 14 54 33.4–3.3 36.85N–.03 141.32E–.06 5–21 3.9b 43 0-147
NIED XI 15 14 54 00 36.90N 141.40E 8 3.7W ¶602059962
IDC XI 15 14 54 32.2–.70 36.84N 141.36E 0 4.1,4.0b
ISCJB XI 15 14 54 33.8–.99 36.84N–.03 141.39E–.06 23–6 3.9b,4.0b
JMA XI 15 14 54 34.5–.10 36.87N 141.37E 35–1 4.1,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ44.00000°,λ-81.00000°. NP2:ϕ_s195.00000°,δ47.00000°,λ-99.00000°. M_o4.35000×10^{14}
IDC Error ellipse: s-maj=19.3km s-min=16.2km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.9km az=11.8.
JMA Event type fe.

(135) Near coast of central Chile

ISC XI 15 20 32 34.8–1.4 32.60S–.03 71.75W–.05 12–8 4.7b,3.9s 113 1-176
SJA XI 15 20 32 30.3–.71 32.86S 72.20W 6–4 4.6L,4.1W ¶601903597
IDC XI 15 20 32 32.9–.74 32.64S 71.69W 0 4.5b,4.5
ISCJB XI 15 20 32 36.1–.34 32.69S–.03 71.99W–.04 33 4.6b,3.8s
NEIC XI 15 20 32 36.7–.74 32.67S 71.83W 23–5 4.7b,4.5L
GUC XI 15 20 32 37.5–.71 32.59S 71.61W 31–5 4.5L,4.5L
ISC Event type fe.
SJA Error ellipse: s-maj=3.2km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=16.0km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=148.5.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.3km az=84.0. Felt [III] at Quillota, Valparaiso, Villa Alemana and Zapallar and [II] at Puente Alto, Salamanca, Santiago and Tiltil. Also felt at Las Condes, La Serena, Los Andes, Renca, Valparaiso and Vina del Mar. Moment Tensor Solution. s15 Moment tensor: Scale 10^{15}Nm; M_{rr}5.32 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-6.47 $M_{r\theta}$-0.11 $M_{\theta\phi}$-1.34 $M_{\phi r}$-3.09 Best double couple: NP1:ϕ_s15.00000°,δ32.00000°,λ99.00000°. NP2:ϕ_s185.00000°,δ59.00000°,λ85.00000°. Principal axes: T 6.0900,Plg76.0000° ,Azm80.0000°; N 1.3500,Plg5.0000°,Azm188.0000°; P -7.4400,Plg14.0000°,Azm279.0000° M_o6.90000×10^{15}
GUC Error ellipse: s-maj=4.0km s-min=6.8km az=-1.0.

(173) Tonga Islands

ISC XI 15 22 19 10.8–.44 20.76S–.08 174.90W–.08 57 4.7b 106 7-151
IDC XI 15 22 19 02.8–.56 20.70S 174.93W 0 4.7L,4.5 ¶601992087
NEIC XI 15 22 19 08.8–.18 20.54S 175.10W 35 4.8b,4.5
ISCJB XI 15 22 19 09.1–.24 21.02S–.05 174.95W–.07 57 4.7b,3.1s
ISC Event type fe.
NEIC Event type fe. Felt at Nuku'alofa.
ISCJB Event type fe.

(135) Near coast of central Chile

ISC XI 15 23 41 00.8–.80 31.03S–.04 71.49W–.06 51–7 4.1b 45 0-151
IDC XI 15 23 40 53.5–2.1 31.04S 71.59W 0 4.1b,3.7 ¶601909878
ISCJB XI 15 23 41 01.4–.63 31.00S–.03 71.59W–.07 74–6 4.0b,3.7
GUC XI 15 23 41 02.2–.60 30.99S 71.17W 66–3 4.4L,3.7
SJA XI 15 23 41 02.8–.72 31.04S 71.06W 33–7 3.9W,3.7L
NEIC XI 15 23 41 02.0–.00 30.99S 71.17W 66 4.4L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=69.5km s-min=25.2km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.2km az=177.4.
GUC Error ellipse: s-maj=1.1km s-min=8.6km az=-1.0.
SJA Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
NEIC Event type fe. Felt [III] at Ovalle and Punitaqui; [II] at Combarbala, Monte Patria and Rio Hurtado. After GUC.

(115) Near coast of Peru

ISC XI 16 00 21 57.8–.57 13.35S–.05 76.56W–.08 43–5 4.8b,4.0s 200 1-159
ARE XI 16 00 21 55.0–.00 13.30S 76.68W 57 4.8b,4.0s ¶601903366
ISCJB XI 16 00 21 56.4–.73 13.35S–.03 76.60W–.06 47–6 4.7b,4.1s
NEIC XI 16 00 21 58.0–.51 13.29S 76.53W 43–5 4.8L,4.7b
IDC XI 16 00 21 58.2–.76 13.28S 76.59W 44–6 4.3,4.3
BJI XI 16 00 21 58.9 13.30S 76.50W 42 5.0,4.3
ISC Event type fe.
ARE Event type se.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=3.9km az=157.5.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=3.2km az=66.0. Felt [III] at Chincha Alta, Lunahuana, San Borja and San Vicente de Canete; [II] at Ica and Lima. Also felt at Huanza, Imperial, Pisco and Pueblo Nuevo.
IDC Error ellipse: s-maj=19.4km s-min=8.2km az=73.0.

(123) Northern Chile

ISC XI 16 00 38 05.5–.25 21.50S–.03 69.49W–.04 55–1 5.0b,3.9s 897 0-174
SJA XI 16 00 38 02.0–.32 21.47S 69.81W 159–6 4.8W,4.3L ¶601903367
ISCJB XI 16 00 38 03.5–.31 21.35S–.02 69.24W–.04 54–3 5.0b,4.1s
MOS XI 16 00 38 03.2–1.2 21.43S 69.37W 44 5.3b,4.1s
NEIC XI 16 00 38 05.0–.00 21.51S 69.50W 54 5.2L,5.0b
IDC XI 16 00 38 06.0–.31 21.36S 69.29W 57–2 4.6,4.5
GUC XI 16 00 38 05.6–.71 21.51S 69.49W 62–3 5.3L,5.0W
BJI XI 16 00 38 07.5 21.50S 69.50W 54 5.3b,5.2s
GCMT XI 16 00 38 08.0–.40 21.51S–.02 69.71W–.03 41–1 5.0W,5.2s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Calama, Oficina Maria Elena and Tocopilla; [III] at Alto Hospicio, Iquique, La Tirana and Pica. After GUC. Moment Tensor Solution. s16 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14 $M_{\theta\theta}$-2.59 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.45 $M_{\phi r}$0.08 Best double couple: NP1:ϕ_s243.00000°,δ44.00000°,λ90.00000°. NP2:ϕ_s63.00000°,δ47.00000°,λ90.00000°. Principal axes: T 3.1400,Plg88.0000°,Azm334.0000°; N 0.2100,Plg0.0000°,Azm243.0000° ; P -3.3500,Plg2.0000°,Azm153.0000° M_o3.30000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c39; s67,c87;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.20 $M_{\theta\theta}$-3.15±.12; $M_{\phi\phi}$0.78±.16; $M_{r\theta}$1.09±.11; $M_{\theta\phi}$-0.95±.10; $M_{\phi r}$1.72±.15; Best double couple: NP1:ϕ_s51.00000°,δ65.00000°,λ59.00000°. NP2:ϕ_s285.00000°,δ39.00000°,λ137.00000°. Principal axes: T 3.4980,Plg59.0000° ,Azm277.0000°; N 0.2460,Plg27.0000°,Azm65.0000°; P -3.7370,Plg14.0000°,Azm163.0000° M_o3.61800×10^{16}

(249) Luzon

ISC XI 16 01 18 32.4–1.4 16.37N–.03 120.95E–.09 17–9 4.0b,3.3s 51 1-152
IDC XI 16 01 18 29.6–.71 16.38N 120.93E 0 4.4L,4.2 ¶601992121
ISCJB XI 16 01 18 32.4–1.1 16.35N–.04 120.83E–.08 30–9 4.0b,3.4s
MAN XI 16 01 18 32.0 16.36N 120.57E 11 5.0b,4.0L
NEIC XI 16 01 18 34.0–1.6 16.37N 120.96E 30–12 4.2b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=30.5km s-min=14.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=6.5km az=177.2.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.4km az=76.0. Felt [III PIVS] at Baguio City and La Trinidad.

(344) Iran-Armenia-Azerbaijan border region

ISC XI 16 03 58 26.9–.53 38.52N–.02 46.66E–.01 8–3 4.8b,4.1s 750 0-100
DDA XI 16 03 58 18.1 38.39N 47.29E 4 4.2L,4.1s ¶601903371

BJI XI 16 03 58 21.6 38.34N 46.10E 8 5.0b,4.8b
AZER XI 16 03 58 23.3–13 38.52N 46.57E 10–1 5.1L,4.8b
IDC XI 16 03 58 24.9–.53 38.41N 46.58E 0 4.5,4.5
NEIC XI 16 03 58 25.1–.00 38.56N 46.59E 15 4.9,4.9b
TEH XI 16 03 58 25.6 38.48N 46.57E 10 4.7L,4.9b
THR XI 16 03 58 25.1–.30 38.56N 46.59E 15 4.7L,4.9b
MOS XI 16 03 58 27.6–1.5 38.36N 46.65E 27 4.9b,4.2s
DSN XI 16 03 58 27.2–.59 38.27N 46.64E 5 5.0b,4.2s
GCMT XI 16 03 58 28.1–.30 38.49N–.02 46.66E–.02 16–1 4.8W,4.2s
GII XI 16 03 58 28.9–.00 38.46N 46.72E 5 4.8W,4.2s
ISCJB XI 16 03 58 29.3–.49 38.43N–.01 46.65E–.01 33–4 4.7b,4.2s
NNC XI 16 03 58 33.2–2.7 39.04N 47.25E 0 5.3,4.9b
ISC Event type fe.
DDA Event type ke.
AZER Error ellipse: s-maj=6.2km s-min=1.0km az=23.0.
IDC Error ellipse: s-maj=12.2km s-min=8.0km az=18.0.
NEIC Event type fe. Felt [III] at Tabriz. After THR.
THR Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=5.1km s-min=3.2km az=111.7.
DSN Error ellipse: s-maj=11.0km s-min=7.0km az=52.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s84,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.12 $M_{\theta\theta}$-1.99±.10; $M_{\phi\phi}$0.69±.07; $M_{r\theta}$-0.35±.24; $M_{\theta\phi}$-1.79±.07; $M_{\phi r}$-0.21±.25; Best double couple: NP1:ϕ_s199.00000°,δ89.00000°,λ9.00000°. NP2:ϕ_s109.00000°,δ81.00000°,λ179.00000°. Principal axes: T 1.5900,Plg7.0000° ,Azm64.0000°; N 1.3360,Plg81.0000°,Azm204.0000°; P -2.9250,Plg6.0000°,Azm333.0000° $M_0$2.25700×10^{16}
GII Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=22.5.
NNC Event type se. Error ellipse: s-maj=38.5km s-min=25.2km az=113.0.

(227) Eastern Honshu

ISC	**XI**	**16 05 20 48.1–.89**	**40.19N–.05**	**140.61E–.07**	**31–6**		**14**	**0-60**
NIED	XI	16 05 20 00	40.00N	140.50E	8	3.7W		**¶606060610**
ISCJB	XI	16 05 20 49.3–.68	40.12N–.03	140.63E–.07	33–6	3.4b		
IDC	XI	16 05 20 50.0–2.3	40.48N	139.95E	55–27	3.4,3.4		
JMA	XI	16 05 20 50.2	40.04N	140.53E	8–2	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s330.00000°,δ26.00000°,λ79.00000°. NP2:ϕ_s163.00000°,δ65.00000°,λ95.00000°. $M_0$3.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.7km az=173.2.
IDC Error ellipse: s-maj=50.8km s-min=15.6km az=110.0.
JMA Event type fe.

(112) Peru-Brazil border region

ISC	**XI**	**16 06 05 40.1–.33**	**7.99S–.04**	**74.35W–.05**	**146–3**	**4.3b**	**195**	**4-172**
ISCJB	XI	16 06 05 39.0–.47	7.95S–.03	74.40W–.03	148–5	4.3b		**¶601906490**
IDC	XI	16 06 05 39.5–.50	7.98S	74.41W	141–4	4.4,4.1		
NEIC	XI	16 06 05 40.4–.12	7.97S	74.36W	146	4.3b,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=149.4.
IDC Error ellipse: s-maj=8.9km s-min=8.2km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=67.0. Felt at Cruzeiro do Sul, Brazil.

(226) Near west coast of eastern Honshu

JMA	**XI**	**16 06 57 58.7**	**37.16N**	**136.56E**	**10–1**	**3.6**		**¶606060651**

JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XI**	**16 08 25 56.1–.38**	**35.30N–.03**	**141.16E–.03**	**31–2**	**5.3b,5.3s**	**1373**	**0-162**
NIED	XI	16 08 25 00	35.40N	141.20E	26	5.4W,5.3s		**¶601903377**
IDC	XI	16 08 25 51.1–.31	35.24N	141.18E	0	5.0,5.0		
BJI	XI	16 08 25 52.5	35.27N	141.13E	26	5.4s,5.3		
JMA	XI	16 08 25 53.8–.10	35.36N	141.23E	30–2	5.5,5.3		
ISCJB	XI	16 08 25 54.2–.44	35.23N–.02	141.07E–.02	27–3	5.3b,5.2s		
GCMT	XI	16 08 25 55.8–.10	35.46N–.01	141.14E–.01	19–0	5.3W,5.2s		
MOS	XI	16 08 25 55.1–1.0	35.17N	141.04E	35	5.5b,5.3s		
NEIC	XI	16 08 25 57.8–.38	35.22N	140.99E	42–3	5.3b,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ45.00000°,λ-104.00000°. NP2:ϕ_s233.00000°,δ47.00000°,λ-77.00000°. $M_0$1.30000×10^{17}
IDC Error ellipse: s-maj=11.3km s-min=7.7km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=160.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c151; s114,c203;Duration: 1९1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.02 $M_{\theta\theta}$0.50±.01; $M_{\phi\phi}$0.45±.02; $M_{r\theta}$0.44±.03; $M_{\theta\phi}$0.50±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s242.00000°,δ56.00000°,λ-71.00000°. NP2:ϕ_s31.00000°,δ38.00000°,λ-116.00000°. Principal axes: T 1.0280,Plg9.0000° ,Azm319.0000°; N 0.0710,Plg16.0000°,Azm52.0000°; P -1.0990,Plg72.0000°,Azm200.0000° $M_0$1.06300×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=112.6.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=133.0. Felt [III] at Tsuchiura and [II] at Narita. Felt widely in east-central Honshu. Recorded [3 JMA] in Chiba.

(228) Near east coast of eastern Honshu

ISC	**XI**	**16 12 41 04.4–1.5**	**38.85N–.05**	**142.19E–.10**	**42–14**	**3.8b**	**35**	**0-76**
NIED	XI	16 12 41 00	38.90N	142.00E	47	3.8W		**¶602389511**
ISCJB	XI	16 12 41 03.8–.87	38.87N–.04	142.12E–.10	50–7	3.7b		
JMA	XI	16 12 41 05.6–.10	38.89N	141.97E	50–1	3.9		
IDC	XI	16 12 41 06.4–2.0	38.89N	142.25E	64–18	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ23.00000°,λ68.00000°. NP2:ϕ_s25.00000°,δ69.00000°,λ99.00000°. $M_0$6.33000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=5.7km az=18.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=10.6km az=110.0.

(221) Kuril Islands

ISC	**XI**	**16 18 12 43.3–.29**	**49.24N–.02**	**155.65E–.03**	**51–2**	**6.3s,6.1b**	**2694**	**1-171**
IDC	XI	16 18 12 35.5–.32	49.28N	155.49E	0	6.2,6.2s		**¶606632346**
KRSC	XI	16 18 12 38.7–1.6	49.02N	155.90E	68–27	6.7L,6.2s		
BJI	XI	16 18 12 38.2	49.21N	155.49E	30	6.5,6.5s		
NEIC	XI	16 18 12 39.0–.00	49.17N	155.63E	50	6.5,6.5s		
NEIC	XI	16 18 12 39.9–.06	49.28N	155.43E	29	6.5W,6.5W		
ISCJB	XI	16 18 12 41.3–.25	49.24N–.01	155.52E–.01	52–2	6.3s,6.0b		
MOS	XI	16 18 12 41.4–.99	49.22N	155.52E	62	6.4b,6.4s		
GCMT	XI	16 18 12 44.9–.00	49.22N	155.87E	41–0	6.5W,6.4s		
NEIC	XI	16 18 12 55.7–.00	49.08N	155.60E	45	6.5W,6.4s		

ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=109.0.
KRSC Event type se. FELT [IV-V] at Severo-Kurilsk; [III-IV] at Ozernovskiy, Paujetka, Zaporojye; [II-III] at Ribachiy, Institute; [II] at cape Vasilyeva, RNS Podgornay, lighthouse Chibuiny, lighthouse Kurbatova, cape Lopatka, lighthouse Krugliy.
NEIC Event type se. Moment Tensor Solution. s105 Moment tensor: Scale 10^{18}Nm; M_{rr}4.85 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-3.11 $M_{r\theta}$2.08 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.85 Best double couple: NP1:ϕ_s30.00000° ,δ67.00000°,λ87.00000°. NP2:ϕ_s218.00000°,δ23.00000°,λ97.00000°. Principal axes: T 6.6100,Plg68.0000°,Azm295.0000°; N -0.5100,Plg2.0000°,Azm31.0000° ; P -6.1000,Plg21.0000°,Azm122.0000° $M_0$6.40000×10^{18}
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.4km az=155.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}4.37 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$-2.39 $M_{r\theta}$1.30 $M_{\theta\phi}$-1.45 $M_{\phi r}$1.91 Best double couple: NP1:ϕ_s223.00000°,δ30.00000°,λ94.00000°. NP2: ϕ_s38.00000°,δ60.00000°,λ87.00000°. Principal axes: T 4.9900,Plg75.0000°,Azm301.0000° ; N -0.7300,Plg2.0000°,Azm39.0000°; P -4.2600,Plg15.0000°,Azm130.0000° $M_0$4.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm290.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.3km az=153.4.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=2.6km az=75.3. Fault plane solution: P-wave C171, D17 . Felt (IV-V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ60.00000°,λ69.00000°. NP2: ϕ_s237.00000°,δ36.00000°,λ121.00000°. Principal axes: T Plg68.0000°,Azm248.0000° ; N Plg18.0000°,Azm31.0000°; P Plg12.0000°,Azm125.0000° $M_0$2.00000×10^{19}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c364; s143,c613; Duration: 4९2 Moment tensor: Scale 10^{18}Nm; M_{rr}5.80±.03 $M_{\theta\theta}$-1.68±.02; $M_{\phi\phi}$-4.12±.02; $M_{r\theta}$1.44±.02; $M_{\theta\phi}$-2.83±.01; $M_{\phi r}$2.51±.02; Best double couple: NP1:ϕ_s32.00000°,δ58.00000° ,λ88.00000°. NP2:ϕ_s215.00000°,δ32.00000°,λ93.00000°. Principal axes: T 6.4750,Plg77.0000°,Azm296.0000°; N 0.1770,Plg1.0000°,Azm33.0000° ; P -6.6520,Plg13.0000°,Azm123.0000° $M_0$6.56300×10^{18}
NEIC Event type se. Moment Tensor Solution. s91 Moment tensor: Scale 10^{18}Nm; M_{rr}6.65 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-4.45 $M_{r\theta}$1.36 $M_{\theta\phi}$-2.70 $M_{\phi r}$2.78 Best double couple: NP1:ϕ_s217.00000° ,δ32.00000°,λ95.00000°. NP2:ϕ_s31.00000°,δ58.00000°,λ87.00000°. Principal axes: T 7.3600,Plg77.0000°,Azm291.0000°; N -0.4200,Plg3.0000°,Azm32.0000° ; P -6.9400,Plg13.0000°,Azm123.0000° $M_0$7.20000×10^{18}

(224) Hokkaido region

ISC	**XI**	**16 18 24 46.0–1.4**	**41.03N–.03**	**143.08E–.05**	**13–8**	**4.7b**	**116**	**1-92**
IDC	XI	16 18 24 44.4–.78	41.17N	143.16E	0	5.4s,5.4		**¶601992288**
JMA	XI	16 18 24 49.3–.20	41.06N	142.83E	16–3	4.3,5.4		
ISCJB	XI	16 18 24 50.2–.45	41.08N–.03	142.93E–.04	59–3	5.5s,4.6b		
NEIC	XI	16 18 24 50.8–.74	41.14N	143.04E	50–7	4.9b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=17.0km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.3km az=34.2.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.7km az=131.0. Recorded [1 JMA] in Aomori and Iwate, Honshu.

(228) Near east coast of eastern Honshu

ISC	**XI**	**16 19 24 43.0–1.4**	**38.86N–.05**	**142.0E–.10**	**45–10**		**22**	**0-59**
ISCJB	XI	16 19 24 41.7–.98	38.86N–.04	142.1E–.10	52–7	3.5b		**¶602389525**
JMA	XI	16 19 24 43.1–.10	38.88N	141.98E	49–1	3.3		
IDC	XI	16 19 24 44.5–3.1	38.91N	142.08E	66–30	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=14.2km s-min=6.6km az=15.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=50.8km s-min=18.7km az=104.0.

(76) Off coast of central America

ISC	**XI**	**16 21 06 47.3–.98**	**12.92N–.07**	**88.80W–.05**	**66–8**	**4.5b**	**91**	**0-138**
BJI	XI	16 21 06 46.0	12.90N	88.80W	65	4.5b		**¶601992304**
ISCJB	XI	16 21 06 47.1–.44	12.98N–.05	88.79W–.04	70–3	4.3b		
NEIC	XI	16 21 06 47.9–.86	12.92N	88.80W	65–7	4.7b,4.4		
UCR	XI	16 21 06 47.9–1.7	13.02N	88.78W	62–11	4.7b,4.3L		
IDC	XI	16 21 06 48.6–2.2	13.36N	88.36W	61–23	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.5km az=31.6.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=6.4km az=225.0. Felt [II] at San Salvador.
UCR Error ellipse: s-maj=8.5km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=66.9km s-min=19.1km az=39.0.

(186) Vanuatu Islands

ISC	**XI**	**17 02 51 23.9–.26**	**15.01S–.03**	**167.48E–.03**	**129–1**	**5.4b**	**904**	**7-169**
MOS	XI	17 02 51 23.0–1.1	14.96S	167.42E	129	5.2b,4.7s		**¶601909898**
ISCJB	XI	17 02 51 23.0–.77	15.03S–.02	167.39E–.02	130–7	5.2b,4.7s		
NEIC	XI	17 02 51 23.4–.08	14.99S	167.46E	123	5.7W,5.6W		
BJI	XI	17 02 51 23.7	14.54S	167.56E	125	5.5b,5.3b		
IDC	XI	17 02 51 24.2–.38	15.01S	167.48E	129–3	5.4,5.0		
NEIC	XI	17 02 51 24.0–.00	14.93S	167.22E	120	5.4,5.0		
GCMT	XI	17 02 51 24.4–.10	15.02S–.01	167.28E–.01	120–0	5.7W,5.0		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Luganville and Port-Olry. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}3.98 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-4.69 $M_{r\theta}$-0.50 $M_{\theta\phi}$-0.38 $M_{\phi r}$1.34 Best double couple: NP1:ϕ_s194.00000°,δ37.00000°,λ105.00000°. NP2:ϕ_s355.00000° ,δ54.00000°,λ79.00000°. Principal axes: T 4.2700,Plg78.0000°,Azm225.0000° ; N 0.6400,Plg9.0000°,Azm2.0000°; P -4.9100,Plg8.0000°,Azm93.0000° $M_0$4.60000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-3.35 $M_{r\theta}$-0.51 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s354.00000° ,δ48.00000°,λ75.00000°. NP2:ϕ_s196.00000°,δ44.00000°,λ106.00000°. Principal axes: T 3.0900,Plg78.0000°,Azm193.0000°; N 0.2900,Plg11.0000°,Azm4.0000° ; P -3.3800,Plg1.0000°,Azm94.0000° $M_0$3.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c217; s139,c326; Duration: 1९7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.57±.03 $M_{\theta\theta}$0.58±.04; $M_{\phi\phi}$-4.14±.04; $M_{r\theta}$-0.64±.03; $M_{\theta\phi}$-0.45±.05; $M_{\phi r}$0.84±.04; Best double couple: NP1:ϕ_s353.00000°,δ52.00000° ,λ74.00000°. NP2:ϕ_s198.00000°,δ41.00000°,λ109.00000°. Principal axes: T 3.8060,Plg76.0000°,Azm209.0000°; N 0.4610,Plg12.0000°,Azm3.0000° ; P -4.2600,Plg6.0000°,Azm94.0000° $M_0$4.03300×10^{17}

(174) Tonga Islands region

ISC	**XI**	**17 05 12 55.7–.46**	**18.35S–.04**	**172.29W–.04**	**6–2**	**5.8b,5.5s**	**1631**	**4-175**
IDC	XI	17 05 12 55.0–.33	18.44S	172.37W	0	6.2L,5.6		**¶601992383**
ISCJB	XI	17 05 12 55.3–.08	18.41S–.02	172.32W–.02	10	5.7b,5.5s		
MOS	XI	17 05 12 55.8–1.1	18.30S	172.39W	10	5.8b,5.5s		
BJI	XI	17 05 12 55.7	18.31S	172.29W	10	6.1b,5.6b		
NEIC	XI	17 05 12 56.0–.00	18.31S	172.16W	11	6.1b,5.6b		
NEIC	XI	17 05 12 56.8–.07	18.38S	172.32W	10	6.0,5.9W		
GCMT	XI	17 05 13 00.8–.10	18.46S–.01	171.99W	12	5.9W,5.9W		
NEIC	XI	17 05 13 20.0–.00	17.73S	172.11W	10	5.9W,5.9W		

ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.1km az=152.2.
MOS Error ellipse: s-maj=7.8km s-min=6.3km az=68.3.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.34 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$6.77 $M_{r\theta}$1.29 $M_{\theta\phi}$2.67 $M_{\phi r}$7.21 Best double couple: NP1:ϕ_s190.00000° ,δ69.00000°,λ-95.00000°. NP2:ϕ_s26.00000°,δ21.00000°,λ-75.00000°. Principal axes: T 10.9000,Plg24.0000°,Azm284.0000°; N -2.2000,Plg5.0000°,Azm192.0000° ; P -8.7000,Plg65.0000°,Azm90.0000° $M_0$9.90000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=141.0. Felt at Neiafu. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.91 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s86 Moment tensor: Scale 10^{17} Nm; M_{rr}-4.96 $M_{\theta\theta}$0.39 $M_{\phi\phi}$4.57 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.88 $M_{\phi r}$4.80 Best double couple: NP1: ϕ_s22.00000°,δ24.00000°,λ-69.00000°. NP2:ϕ_s179.00000°,δ68.00000°,λ-99.00000°. Principal axes: T 6.6200,Plg22.0000°,Azm276.0000°; N 0.4400,Plg8.0000°,Azm182.0000° ; P -7.0600,Plg66.0000°,Azm73.0000° $M_0$6.80000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s77.00000°,δ61.00000°,λ-17.00000°. NP2: ϕ_s175.00000°,δ75.00000°,λ-150.00000°. Principal axes: T Plg9.0000°,Azm303.0000° ; N Plg0.0000°,Azm0.0000°; P Plg32.0000°,Azm39.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c268; s141,c437; Duration: 2९1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59±.00 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.70±.00; $M_{r\theta}$-0.08±.01; $M_{\theta\phi}$0.26±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s180.00000°,δ60.00000° ,λ-110.00000°. NP2:ϕ_s35.00000°,δ36.00000°,λ-60.00000°. Principal axes: T 0.8520,Plg12.0000°,Azm284.0000°; N -0.1430,Plg17.0000°,Azm190.0000° ; P -0.7080,Plg69.0000°,Azm48.0000° $M_0$0.78000×10^{18}
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.71 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$8.27 $M_{r\theta}$1.41 $M_{\theta\phi}$2.61 $M_{\phi r}$0.70 Best double couple: NP1:ϕ_s205.00000° ,δ49.00000°,λ-77.00000°. NP2:ϕ_s5.00000°,δ42.00000°,λ-105.00000°. Principal axes: T 9.0500,Plg4.0000°,Azm286.0000°; N -1.0700,Plg10.0000°,Azm16.0000° ; P -7.9800,Plg79.0000°,Azm176.0000° $M_0$8.50000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XI**	**17 05 40 54.2–.98**	**36.45N–.05**	**140.73E–.06**	**51–7**	**3.6b**	**26**	**0-56**
ISCJB	XI	17 05 40 53.1–.69	36.44N–.05	140.76E–.06	57–4	4.2s,3.6b		**¶602389552**
JMA	XI	17 05 40 54.3–.10	36.43N	140.65E	53–1	3.7,3.6b		
IDC	XI	17 05 40 54.8–3.2	36.41N	140.72E	57–29	4.2s,4.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.2km az=44.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s20.00000°,δ68.00000°,λ100.00000°. NP2:ϕ_s175.00000°,δ24.00000°,λ67.00000°. Principal axes: T Plg66.0000°,Azm307.0000°; N Plg9.0000°,Azm196.0000°; P Plg22.0000° ,Azm102.0000°
IDC Error ellipse: s-maj=27.1km s-min=20.0km az=138.0.

(232) Western Honshu

ISC	**XI**	**17 08 12 58.2–1.3**	**35.19N–.05**	**135.56E–.03**	**6–9**	**3.4b**	**26**	**0-59**
ISCJB	XI	17 08 12 59.9–.62	35.23N–.03	135.48E–.04	4–5	3.4b		**¶601909906**
JMA	XI	17 08 12 59.9	35.27N	135.49E	7–1	3.9		
NIED	XI	17 08 13 00	35.30N	135.50E	8	3.6W		

IDC XI 17 08 13 03.6–1.9 34.92N 135.72E 53–20 3.6,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.6km az=153.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s353.00000°,δ51.00000°,λ56.00000°. NP2:ϕ_s220.00000°,δ50.00000°,λ125.00000°. Principal axes: T Plg64.0000°,Azm198.0000°; N Plg26.0000°,Azm16.0000°; P Plg1.0000° ,Azm106.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ47.00000°,λ58.00000°. NP2: ϕ_s225.00000°,δ52.00000°,λ119.00000°. $M_0$2.78000×10^{14}
IDC Error ellipse: s-maj=20.6km s-min=19.3km az=66.0.

(124) Chile-Bolivia border region

ISC	**XI**	**17 09 09 36.6–.34**	**18.83S–.03**	**69.14W–.04**	**125–2**	**4.6b**	**547**	**1-165**
ISCJB	XI	17 09 09 32.9–.32	18.74S–.02	68.93W–.03	106–3	4.7b		**¶601906763**
GUC	XI	17 09 09 35.9–.66	18.90S	69.24W	117–4	4.5L		
NEIC	XI	17 09 09 36.5–.17	18.89S	68.88W	125	4.7b,4.5L		
IDC	XI	17 09 09 36.9–.42	18.87S	68.91W	127–3	4.7,4.3		
BJI	XI	17 09 09 39.0	18.90S	68.90W	125	4.7,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=156.8.
GUC Error ellipse: s-maj=2.3km s-min=5.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.8km az=81.0. Felt at Arica, Chile.
IDC Error ellipse: s-maj=11.0km s-min=7.0km az=93.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**17 15 03 57.5–.78**	**34.52N–.04**	**140.22E–.05**	**75–7**	**4.1b**	**66**	**0-84**
NIED	XI	17 15 03 00	34.60N	140.10E	77	4.0W		**¶601992519**
ISCJB	XI	17 15 03 56.8–.39	34.51N–.03	140.21E–.06	86–2	4.0b		
NEIC	XI	17 15 03 56.8–1.1	34.55N	140.42E	72–9	4.4b		
JMA	XI	17 15 03 58.7–.20	34.55N	140.15E	66–3	3.9		
IDC	XI	17 15 03 59.5–1.1	34.52N	140.14E	90–8	4.2,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s326.00000°,δ40.00000°,λ-11.00000°. NP2:ϕ_s65.00000°,δ83.00000°,λ-129.00000°. $M_0$1.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.3km az=163.2.
NEIC Event type fe. Error ellipse: s-maj=14.9km s-min=9.4km az=81.0. Recorded [1 JMA] in Chiba and Kanagawa. Also recorded [1 JMA] on Miyake-jima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=6.4km az=75.0.

(460) Wyoming

ISC	**XI**	**17 19 01 00.6–.91**	**43.79N–.04**	**105.25W–.05**	**0**		**32**	**1-61**
IDC	XI	17 19 00 59.7–2.2	43.62N	105.34W	0	4.4b,4.1		**¶602389579**
ISCJB	XI	17 19 01 00.2–.49	43.84N–.04	105.22W–.06	0	4.6b,4.1		
NEIC	XI	17 19 01 01.2–.77	43.83N	105.29W	0	3.2L,4.1		
ANF	XI	17 19 01 01.6–.53	43.80N	105.31W		3.6L,4.1		

ISC Event type sm.
IDC Error ellipse: s-maj=59.2km s-min=9.2km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=6.9km s-min=5.1km az=18.2.
NEIC Event type fm. Error ellipse: s-maj=12.6km s-min=9.6km az=151.0. 54 km [33 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=6.9km s-min=5.6km az=127.0.

(456) Montana

ISC	**XI**	**17 22 17 22.4–.89**	**44.87N–.06**	**106.73W–.04**	**0**		**15**	**2-9**
ISCJB	XI	17 22 17 22.6–.65	45.02N–.05	106.72W–.05	0			**¶602389583**
NEIC	XI	17 22 17 23.8–.68	45.11N	106.76W	0	2.7L		
IDC	XI	17 22 17 24.1–1.1	44.86N	106.75W	0	3.4,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.4km s-min=5.6km az=4.6.
NEIC Event type fm. Error ellipse: s-maj=11.4km s-min=8.8km az=149.0. 38 km [24 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=66.7km s-min=8.3km az=137.0.

(135) Near coast of central Chile

GUC	**XI**	**17 23 51 39.7–.65**	**37.60S**	**73.82W**	**22–5**	**4.2L**		
NEIC	XI	17 23 51 39.0–.00	37.59S	73.83W	21	4.2L,4.0b		**¶601992601**

GUC Error ellipse: s-maj=1.8km s-min=6.6km az=-1.0.
NEIC Event type fe. Felt [II] at Concepcion and Lebu. After GUC.

(228) Near east coast of eastern Honshu

ISC	**XI**	**18 02 29 26.8–1.3**	**38.18N–.05**	**141.78E–.10**	**45–9**	**3.6b**	**41**	**0-73**
NIED	XI	18 02 29 00	38.20N	141.70E	56	3.8W		**¶602389595**
ISCJB	XI	18 02 29 26.1–.73	38.15N–.04	141.75E–.08	56–5	3.5b		
JMA	XI	18 02 29 27.5–.10	38.18N	141.68E	50–1	3.7		
IDC	XI	18 02 29 27.6–2.9	38.19N	141.81E	57–24	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s139.00000°,δ35.00000°,λ34.00000°. NP2:ϕ_s20.00000°,δ72.00000°,λ120.00000°. $M_0$5.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.2km az=17.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=40.1km s-min=16.9km az=81.0.

(227) Eastern Honshu

JMA	**XI**	**18 05 52 03.2**	**35.51N**	**138.95E**	**20–1**	**3.0**		**¶606061402**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s43.00000°,δ82.00000°,λ97.00000°. NP2:ϕ_s178.00000°,δ11.00000°,λ46.00000°. Principal axes: T Plg52.0000°,Azm321.0000°; N Plg7.0000°,Azm222.0000°; P Plg37.0000° ,Azm126.0000°

(34) Off coast of northern California

ISC	**XI**	**18 06 53 03.8–2.0**	**40.64N–.04**	**125.21W–.07**	**6–11**		**68**	**1-12**
ISCJB	XI	18 06 53 02.4–.77	40.64N–.03	125.23W–.05	9–4			**¶601992660**
ANF	XI	18 06 53 03.1–1.4	40.62N	125.22W	10	3.3L		
NCEDC	XI	18 06 53 05.3	40.63N	125.16W	9	3.7W		
NEIC	XI	18 06 53 05.3–.00	40.63N	125.16W	9	3.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=159.0.
ANF Error ellipse: s-maj=15.5km s-min=6.6km az=49.0.
NEIC Event type fe. Felt at Fort Bragg. After NCEDC. Moment Tensor Solution. $M_0$4.70000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**XI**	**18 13 11 38.9–2.0**	**38.37N–.05**	**142.16E–.07**	**16–12**	**3.5b**	**35**	**1-89**
NIED	XI	18 13 11 00	38.40N	142.20E	35	3.8W		**¶602389610**
IDC	XI	18 13 11 36.6–.89	38.34N	142.23E	0	3.8,3.6		
ISCJB	XI	18 13 11 38.8–.94	38.35N–.04	142.21E–.06	27–5	3.7b,2.8s		
JMA	XI	18 13 11 40.1–.10	38.41N	142.16E	32–1	4.1,2.8s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ45.00000°,λ-140.00000°. NP2:ϕ_s187.00000°,δ63.00000°,λ-53.00000°. $M_0$4.83000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=17.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.9km az=18.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(135) Near coast of central Chile

ISC	**XI**	**18 13 29 27.1–.77**	**38.23S–.05**	**73.83W–.07**	**24–5**	**4.6b,3.8s**	**92**	**1-175**
BJI	XI	18 13 29 22.4	38.58S	73.64W	7	5.2b,3.8s		**¶601909955**
ISCJB	XI	18 13 29 25.7–.35	38.16S–.04	73.72W–.07	24	4.5b,3.7s		
IDC	XI	18 13 29 27.0–.67	38.25S	73.62W	22–3	4.2,4.2		
NEIC	XI	18 13 29 28.0–.00	38.29S	73.69W	56	4.7b,4.1L		
GUC	XI	18 13 29 28.9–.36	38.29S	73.70W	56–13	4.1L,4.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=164.1.
IDC Error ellipse: s-maj=21.3km s-min=12.5km az=66.0.
NEIC Event type fe. Felt [III] at Puerto Saavedra, Puren and Temuco; [II] at Carahue and Tirua. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=6.2km az=-1.0.

(460) Wyoming

ISC	**XI**	**18 19 48 49.9–.72**	**43.82N–.05**	**105.27W–.05**	**0**	**4.1b**	**38**	**1-90**
ISCJB	XI	18 19 48 48.8–.41	43.85N–.03	105.22W–.05	0	4.0b		**¶602389626**
IDC	XI	18 19 48 49.3–1.9	43.75N	105.34W	0	3.9,3.9b		
NEIC	XI	18 19 48 50.3–.36	43.82N	105.23W	0	3.5L,3.9b		
ANF	XI	18 19 48 50.3–.87	43.75N	105.30W		3.7L,3.9b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.9km s-min=4.4km az=35.9.
IDC Error ellipse: s-maj=53.6km s-min=8.2km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=6.3km s-min=5.0km az=146.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=12.3km s-min=4.3km az=131.0.

(259) Mindanao

ISC	**XI**	**18 20 01 25.8–.42**	**5.97N–.03**	**125.87E–.04**	**125–3**	**5.0b**	**571**	**1-169**
MAN	XI	18 20 01 22.6	5.82N	125.90E	135	5.8b,5.2s		**¶601909994**
KLM	XI	18 20 01 24.0	6.14N	126.10E	106	5.2b,5.2s		
IDC	XI	18 20 01 25.0–.60	5.95N	125.71E	116–4	5.1,4.8		
GCMT	XI	18 20 01 25.5–.20	5.94N–.02	126.04E–.02	112–3	4.9W,4.8		
DJA	XI	18 20 01 25.7–.30	6N–2.0	126E–2.0	115–2	5.9,5.5b		
ISCJB	XI	18 20 01 25.0–.22	6.00N–.01	125.89E–.02	129–2	5.0b,5.5b		
MOS	XI	18 20 01 26.2–1.2	5.97N	125.73E	143	4.9b,5.5b		
NEIC	XI	18 20 01 26.5–.61	5.98N	125.81E	128–6	5.1b,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.4km s-min=6.7km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s84,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.09 $M_{\theta\theta}$0.46±.10; $M_{\phi\phi}$-2.75±.12; $M_{r\theta}$-0.98±.07; $M_{\theta\phi}$0.10±.11; $M_{\phi r}$1.60±.09; Best double couple: NP1:ϕ_s340.00000°,δ64.00000°,λ71.00000°. NP2:ϕ_s198.00000°,δ32.00000°,λ124.00000°. Principal axes: T 3.0740,Plg66.0000° ,Azm216.0000°; N 0.1820,Plg17.0000°,Azm349.0000°; P -3.2530,Plg17.0000°,Azm84.0000° $M_0$3.16400×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=168.5.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=76.0. Felt [II PIVS] at General Santos. Also felt at Davao.

(228) Near east coast of eastern Honshu

ISC	**XI**	**18 20 01 39.0–2.0**	**37.32N–.05**	**141.77E–.08**	**1–10**	**3.7b**	**28**	**1-49**
NIED	XI	18 20 01 00	37.30N	141.60E	8	3.7W		**¶602389627**
IDC	XI	18 20 01 41.4–5.7	36.53N	142.15E	60–36	3.7,3.6		
JMA	XI	18 20 01 43.0–.10	37.35N	141.57E	29–2	4.2,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ44.00000°,λ-111.00000°. NP2:ϕ_s38.00000°,δ50.00000°,λ-71.00000°. $M_0$3.98000×10^{14}
IDC Error ellipse: s-maj=90.7km s-min=27.8km az=166.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(224) Hokkaido region

ISC	**XI**	**19 01 07 55.3–.77**	**43.08N–.05**	**145.85E–.04**	**61–6**	**4.1b**	**113**	**0-84**
NIED	XI	19 01 07 00	43.10N	145.80E	68	3.9W		**¶601992808**
MOS	XI	19 01 07 53.7–.88	42.98N	145.94E	72	4.5b		
ISCJB	XI	19 01 07 54.1–.45	43.03N–.04	145.90E–.04	71–3	4.0b		
NEIC	XI	19 01 07 55.5–.62	43.03N	145.91E	67–5	4.3b		
SKHL	XI	19 01 07 55.7–.70	43.10N	145.79E	81–4	6.1s,5.1b		
JMA	XI	19 01 07 55.8–.10	43.06N	145.82E	64–1	4.1,5.1b		
IDC	XI	19 01 07 56.0–2.1	43.04N	145.85E	71–18	4.2,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ23.00000°,λ-2.00000°. NP2:ϕ_s255.00000°,δ89.00000°,λ-113.00000°. $M_0$8.47000×10^{14}
MOS Event type fe. Error ellipse: s-maj=11.6km s-min=6.3km az=81.7. Felt (II) at Yuzhno-Kuril'sk, Malokuril'skoye. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=141.9.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.2km az=136.0. Recorded [2 JMA] in eastern Hokkaido.
SKHL Event type fe. Felt (II) at Yushno-Kuril'sk, Lagunnoe, Malokuril'skoe. Felt (II) at Golovnino, Mendeleevo, Gorjachy Pljash.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=13.7km az=165.0.

(224) Hokkaido region

ISC	**XI**	**19 01 37 34.2–.60**	**42.75N–.04**	**144.01E–.03**	**98–4**	**4.1b**	**128**	**0-146**
NIED	XI	19 01 37 00	42.80N	144.00E	101	4.0W		**¶601992814**
MOS	XI	19 01 37 33.7–1.6	42.74N	144.06E	110	4.4b		
ISCJB	XI	19 01 37 33.6–.29	42.74N–.03	144.00E–.03	104–2	4.1b		
IDC	XI	19 01 37 34.4–1.6	42.79N	144.06E	102–11	4.0,3.9		
SKHL	XI	19 01 37 34.7–1.2	42.72N	144.01E	100–9	5.1s,4.5b		
JMA	XI	19 01 37 34.4–.10	42.77N	143.94E	103–1	4.1,4.5b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s113.00000°,δ26.00000°,λ-47.00000°. NP2:ϕ_s247.00000°,δ71.00000°,λ-109.00000°. $M_0$1.09000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=81.7.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=158.3.
IDC Error ellipse: s-maj=15.4km s-min=12.9km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s251.00000°,δ74.00000°,λ-99.00000°. NP2: ϕ_s102.00000°,δ19.00000°,λ-60.00000°. Principal axes: T Plg28.0000°,Azm349.0000° ; N Plg9.0000°,Azm254.0000°; P Plg60.0000°,Azm148.0000°

(235) Kyushu

ISC	**XI**	**19 06 46 15.2–1.2**	**33.07N–.08**	**131.23E–.03**	**12**		**12**	**0-32**
ISCJB	XI	19 06 46 13.6–.83	33.07N–.07	131.23E–.04	12	3.3b,2.5s		**¶602389644**
JMA	XI	19 06 46 13.5	33.10N	131.23E	5–1	3.3,2.5s		
IDC	XI	19 06 46 14.5–2.6	33.06N	131.20E	0	3.4b,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.9km az=174.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s239.00000°,δ63.00000°,λ-131.00000°. NP2:ϕ_s121.00000°,δ48.00000°,λ-38.00000°. Principal axes: T Plg9.0000°,Azm357.0000°; N Plg36.0000°,Azm261.0000°; P Plg53.0000° ,Azm99.0000°
IDC Error ellipse: s-maj=48.0km s-min=10.5km az=1.0.

(58) Near coast of Guerrero

ISC	**XI**	**19 08 51 44.8–.68**	**17.76N–.05**	**101.36W–.03**	**44–7**	**4.0b**	**256**	**0-128**
NEIC	XI	19 08 51 44.7–1.0	17.60N	101.16W	45–6	4.3,4.0b		**¶601992884**
MEX	XI	19 08 51 46.7–.82	17.90N	101.35W	10–7	4.0,4.0b		
IDC	XI	19 08 51 52.3–3.7	18.11N	100.83W	106–32	4.0,3.9		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=5.4km az=179.0. Felt [IV] in Jose Azueta. Also felt at Ixtapa and Zihuatanejo.
MEX Error ellipse: s-maj=4.8km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=15.3km az=49.0.

(192) New Britain region

ISC	**XI**	**19 09 44 35.5–.36**	**5.75S–.03**	**151.64E–.03**	**23–2**	**5.9s,5.8b**	**1649**	**2-157**
ISCJB	XI	19 09 44 31.1–.85	5.72S–.02	151.53E–.02	2–5	5.9s,5.7b		**¶601992895**
BJI	XI	19 09 44 31.1	5.70S	151.60E	10	5.9b,5.9s		
NEIC	XI	19 09 44 34.0–.00	5.83S	151.91E	25	5.9b,5.9s		
NEIC	XI	19 09 44 34.1–.08	5.71S	151.60E	13	6.0W,5.9W		
MOS	XI	19 09 44 36.4–1.1	5.65S	151.52E	35	6.0b,5.8s		
IDC	XI	19 09 44 37.2–1.4	5.70S	151.65E	33–10	5.5,5.5s		
GCMT	XI	19 09 44 39.1–.10	5.90S	151.79E	20–0	6.0W,5.5s		
DJA	XI	19 09 44 39.2–.40	6S–2.0	151E–3.0	51–3	6.6,6.3b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ63.00000° ,λ-98.00000°. NP2:ϕ_s241.00000°,δ28.00000°,λ-73.00000°. Principal axes: T 1.2300,Plg17.0000°,Azm138.0000°; N -0.0800,Plg7.0000°,Azm46.0000° ; P -1.1500,Plg70.0000°,Azm292.0000°
NEIC Event type fe. Felt at Kimbe. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.08 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.84 $M_{\theta\theta}$4.17 $M_{\phi\phi}$1.67 $M_{r\theta}$-1.61 $M_{\theta\phi}$3.23 $M_{\phi r}$-4.29 Best double couple: NP1:ϕ_s36.00000°,δ64.00000°,λ-109.00000°. NP2: ϕ_s254.00000°,δ32.00000°,λ-56.00000°. Principal axes: T 7.5100,Plg17.0000°,Azm140.0000° ; N 0.2700,Plg17.0000°,Azm45.0000°; P -7.7900,Plg66.0000°,Azm272.0000° $M_0$7.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s225.00000°,δ15.00000°,λ-90.00000°. NP2:ϕ_s45.00000°,δ75.00000°,λ-90.00000°. Principal axes: T Plg30.0000°,Azm135.0000°; N Plg0.0000°,Azm0.0000°; P Plg60.0000° ,Azm315.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c310; s140,c453; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.92±.01 $M_{\theta\theta}$0.58±.01; $M_{\phi\phi}$0.34±.01; $M_{r\theta}$-0.34±.01; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.60±.01; Best double couple: NP1:ϕ_s38.00000°,δ63.00000° ,λ-103.00000°. NP2:ϕ_s245.00000°,δ30.00000°,λ-67.00000°. Principal axes: T 1.2180,Plg17.0000°,Azm138.0000°; N -0.0440,Plg11.0000°,Azm44.0000° ; P -1.1750,Plg69.0000°,Azm283.0000° $M_0$1.19600×10^{18}

(229) Off east coast of Honshu

ISC	**XI**	**19 10 00 51.7–2.0**	**37.24N–.06**	**142.7E–.10**	**56–18**	**3.8b**	**47**	**1-146**
ISCJB	XI	19 10 00 52.3–.84	37.27N–.04	142.56E–.08	74–8	3.7b		**¶602389659**
IDC	XI	19 10 00 53.0–2.4	37.19N	142.67E	70–22	4.0,3.9		
JMA	XI	19 10 00 54.3–.10	37.30N	142.43E	73–4	4.2,3.9		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.7km az=16.4.
IDC Error ellipse: s-maj=24.0km s-min=15.3km az=94.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(713) Central Kazakhstan

ISC	**XI**	**19 10 41 18.7–.78**	**42.96N–.03**	**71.50E–.02**	**11–5**	**4.1b**	**201**	**0-88**
IDC	XI	19 10 41 16.6–.73	42.92N	71.58E	0	4.7,4.7s		**¶601992908**
MOS	XI	19 10 41 17.4–1.2	43.08N	71.45E	15	4.4b,4.7s		
KRNET	XI	19 10 41 17.4–.10	42.98N	71.59E	13	4.9b,4.7s		
NNC	XI	19 10 41 17.4–.37	42.89N	71.54E	0–5	4.8b,4.6		
ISCJB	XI	19 10 41 17.4–.54	43.06N–.02	71.42E–.03	14–3	4.6s,4.0b		
SOME	XI	19 10 41 18.3	43.05N	71.58E	0	3.5s,4.0b		
BJI	XI	19 10 41 18.7	43.25N	71.58E	11	4.5b,4.3L		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=5.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=5.9km az=102.7. Felt (IV-V) at Taraz. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=1.9km az=23.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=30.9.

(228) Near east coast of eastern Honshu

ISC	**XI**	**19 15 20 55.6–1.8**	**39.14N–.04**	**142.31E–.09**	**30–11**	**3.6b**	**29**	**1-63**
NIED	XI	19 15 20 00	39.10N	142.40E	56	3.6W		**¶602389675**
JMA	XI	19 15 20 54.8–.10	39.14N	142.38E	35–1	3.8		
ISCJB	XI	19 15 20 55.1–1.1	39.12N–.04	142.3E–.10	47–9	3.5b		
IDC	XI	19 15 20 58.2–2.7	39.08N	142.25E	60–26	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ36.00000°,λ-92.00000°. NP2:ϕ_s195.00000°,δ54.00000°,λ-88.00000°. M_o3.05000×10^{14}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=5.6km az=15.6.
IDC Error ellipse: s-maj=30.1km s-min=15.6km az=99.0.

(226) Near west coast of eastern Honshu

ISC	**XI**	**19 16 22 48.3–.91**	**37.58N–.04**	**138.59E–.04**	**15–6**		**18**	**0-57**
NIED	XI	19 16 22 00	37.60N	138.60E	8	3.5W		**¶602389682**
IDC	XI	19 16 22 46.5–1.5	37.57N	138.68E	0	4.0,3.7		
ISCJB	XI	19 16 22 47.9–.54	37.61N–.04	138.58E–.04	22–6	3.8b,3.1s		
JMA	XI	19 16 22 48.2	37.62N	138.58E	17–1	3.5,3.1s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ34.00000°,λ90.00000°. NP2:ϕ_s38.00000°,δ56.00000°,λ90.00000°. M_o2.11000×10^{14}
IDC Error ellipse: s-maj=22.6km s-min=13.8km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.7km az=139.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ63.00000°,λ-59.00000°. NP2:ϕ_s106.00000°,δ40.00000°,λ-136.00000°. Principal axes: T Plg13.0000°,Azm48.0000°; N Plg28.0000°,Azm145.0000°; P Plg59.0000° ,Azm295.0000°

(115) Near coast of Peru

ISC	**XI**	**19 16 34 26.7–.45**	**17.75S–.04**	**70.41W–.06**	**58–4**	**4.5b**	**91**	**1-170**
GUC	XI	19 16 34 24.4–.60	17.92S	70.71W	32–4	4.3L		**¶601992975**
ISCJB	XI	19 16 34 25.3–.56	17.75S–.04	70.49W–.05	63–6	4.5b		
NEIC	XI	19 16 34 26.4–.26	17.84S	70.42W	57	4.6b,4.2L		
IDC	XI	19 16 34 27.1–.52	17.74S	70.29W	57–3	4.3,4.2		

ISC Event type fe.
GUC Error ellipse: s-maj=6.6km s-min=9.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.0km az=150.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=79.0. Felt at Ilabaya. Felt [III] at Alcerreca and [II] at Arica, Poconchile and Putre, Chile.
IDC Error ellipse: s-maj=17.5km s-min=13.7km az=46.0.

(134) Off coast of central Chile

ISC	**XI**	**19 16 45 51.6–.61**	**33.93S–.03**	**72.31W–.05**	**23–4**	**5.1b,4.6s**	**595**	**1-179**
ISCJB	XI	19 16 45 47.2–1.1	33.92S–.02	72.44W–.03	1–6	5.1b,4.5s		**¶601992979**
IDC	XI	19 16 45 48.9–.48	33.97S	72.09W	0	4.7,4.6		
SJA	XI	19 16 45 49.5–.54	33.64S	72.92W	54–7	5.0L,4.5W		
GUC	XI	19 16 45 50.1–.57	33.96S	72.44W	33–3	4.9W,4.8L		
NEIC	XI	19 16 45 50.4–.36	33.93S	72.17W	11–2	5.1b,4.9W		
MOS	XI	19 16 45 52.8–1.2	33.94S	72.12W	33	5.2b,4.9W		
GCMT	XI	19 16 45 53.4–.30	33.92S–.02	72.42W–.02	21–1	5.1W,4.9W		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Navidad and Pichilemu; [III] at Las Cabras, Linares, Litueche, Paredones, Talca, Valparaiso and Vina del Mar; [II] at Colbun, Iloca, Maule, Parral, Rancagua, Rio Claro, San Antonio, San Clemente, Villa Alegre and Villa Alemana. Also felt at Las Condes, Puente Alto, Renca, San Bernardo and Santiago.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c47; s74,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.82±.20 $M_{\theta\theta}$-0.05±.13; $M_{\phi\phi}$-3.77±.15; $M_{r\theta}$-0.47±.22; $M_{\theta\phi}$0.17±.09; $M_{\phi r}$-3.69±.27; Best double couple: NP1:ϕ_s184.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s351.00000°,δ23.00000°,λ78.00000°. Principal axes: T 5.3650,Plg67.0000° ,Azm104.0000°; N -0.1000,Plg5.0000°,Azm2.0000°; P -5.2680,Plg22.0000°,Azm270.0000° M_o5.31700×10^{16}

(296) Myanmar

ISC	**XI**	**19 17 25 53.5–.30**	**22.99N–.03**	**95.84E–.03**	**32**	**4.8b,4.0s**	**236**	**3-156**
IDC	XI	19 17 25 48.0–.51	23.01N	95.92E	0	5.2L,4.5		**¶601992986**
ISCJB	XI	19 17 25 50.9–.15	22.91N–.02	95.81E–.02	32	4.7b,4.0s		
BJI	XI	19 17 25 52.7	23.13N	95.91E	26	5.1L,4.8b		
NDI	XI	19 17 25 52.9–3.5	22.94N	95.93E	33–44	5.0L,4.9b		
GCMT	XI	19 17 25 52.0–.40	22.94N–.02	96.10E–.02	20–1	4.8W,4.9b		
NEIC	XI	19 17 25 53.0–1.9	22.99N	95.96E	31–14	4.9b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=10.3km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=135.9.
NDI Error ellipse: s-maj=22.5km s-min=30.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s74,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.10 $M_{\theta\theta}$0.09±.08; $M_{\phi\phi}$-0.09±.08; $M_{r\theta}$0.64±.19; $M_{\theta\phi}$1.92±.10; $M_{\phi r}$0.23±.17; Best double couple: NP1:ϕ_s92.00000°,δ84.00000°,λ18.00000°. NP2:ϕ_s0.00000°,δ72.00000°,λ174.00000°. Principal axes: T 2.1060,Plg17.0000° ,Azm318.0000°; N -0.1390,Plg71.0000°,Azm109.0000°; P -1.9660,Plg9.0000° ,Azm225.0000° M_o2.03600×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=56.0. Felt [III] at Mandalay. Also felt at Keng Tung and Lashio.

(710) Pakistan

ISC	**XI**	**19 17 54 08.0–.58**	**30.44N–.03**	**67.57E–.03**	**15–3**	**5.2b,5.1s**	**659**	**4-146**
IDC	XI	19 17 54 05.1–.37	30.49N	67.55E	0	5.0,5.0s		**¶601992992**
ISCJB	XI	19 17 54 06.2–.12	30.49N–.02	67.54E–.02	15	5.1b,5.1s		
GCMT	XI	19 17 54 06.5–.10	30.31N–.01	67.57E–.01	12	5.3W,5.1s		
NEIC	XI	19 17 54 07.5–.23	30.54N	67.58E	10	5.3b,5.1s		
NNC	XI	19 17 54 07.4–2.3	30.69N	67.70E	0	5.3b,5.1s		
MOS	XI	19 17 54 09.2–1.5	30.54N	67.62E	33	5.2b,5.0s		
BJI	XI	19 17 54 09.5	30.74N	68.05E	5	5.4s,5.3		

ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=8.3km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=19.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c112; s114,c210;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.21±.01; $M_{r\theta}$0.49±.04; $M_{\theta\phi}$0.21±.01; $M_{\phi r}$0.21±.04; Best double couple: NP1:ϕ_s228.00000°,δ81.00000°,λ-25.00000°. NP2:ϕ_s322.00000°,δ65.00000°,λ-170.00000°. Principal axes: T 1.2780,Plg11.0000° ,Azm277.0000°; N -0.0310,Plg63.0000°,Azm29.0000°; P -1.2480,Plg24.0000° ,Azm183.0000° M_o1.26300×10^{17}
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=26.0. Felt [II] at Quetta. Also felt at Chaman, Harnai, Kalat, Kuchlagh, Mastung, Multan, Pishin and Ziarat.
NNC Event type se. Error ellipse: s-maj=31.7km s-min=20.3km az=144.0.
MOS Error ellipse: s-maj=5.5km s-min=3.8km az=104.4.

(710) Pakistan

ISC	**XI**	**19 22 38 02.3–.40**	**30.31N–.05**	**67.60E–.04**	**14**	**4.3b,4.0s**	**168**	**4-98**
IDC	XI	19 22 37 59.6–.65	30.40N	67.50E	0	4.1,4.1L		**¶601993045**
NNC	XI	19 22 38 00.3–5.5	30.31N	67.88E	0	4.3b,4.1L		
ISCJB	XI	19 22 38 00.7–.27	30.41N–.03	67.61E–.03	14	4.2b,3.9s		
NEIC	XI	19 22 38 01.3–2.4	30.40N	67.46E	9–15	4.5b,3.9s		
BJI	XI	19 22 38 01.5	30.50N	67.71E	6	4.9b,4.6s		
MOS	XI	19 22 38 03.8–1.1	30.50N	67.59E	33	4.4b,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=11.3km az=9.0.
NNC Event type se. Error ellipse: s-maj=79.3km s-min=50.7km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=30.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.7km az=176.0. Felt in the Quetta area.
MOS Error ellipse: s-maj=8.6km s-min=5.7km az=85.7.

(122) Near coast of northern Chile

ISC	**XI**	**20 01 09 47.9–.64**	**21.83S–.03**	**70.29W–.05**	**60–6**	**4.5b**	**100**	**0-127**
ISCJB	XI	20 01 09 48.1–.33	21.83S–.02	70.25W–.05	72–3	4.5b		**¶601993066**
NEIC	XI	20 01 09 48.0–.00	21.84S	70.18W	67	4.6b,4.5L		
GUC	XI	20 01 09 48.6–.65	21.84S	70.18W	67–3	4.4L,4.5L		
IDC	XI	20 01 09 51.9–1.2	21.77S	69.92W	97–11	4.1,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.6km az=3.0.
NEIC Event type fe. Felt [IV] at Tocopilla. After GUC. Moment Tensor Solution. s17 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.05 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$0.12 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.45 $M_{\phi r}$-3.43 Best double couple: NP1:ϕ_s4.00000°,δ89.00000°,λ-97.00000°. NP2:ϕ_s267.00000°,δ7.00000° ,λ-7.00000°. Principal axes: T 3.5400,Plg44.0000°,Azm101.0000°; N -0.1300,Plg7.0000° ,Azm4.0000°; P -3.4000,Plg45.0000°,Azm267.0000° M_o3.50000×10^{15}
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=14.7km az=55.0.

(323) Western Nei Mongol

ISC	**XI**	**20 02 24 24.2–.29**	**38.48N–.03**	**106.30E–.03**	**10**	**4.5b,3.9s**	**241**	**3-148**
ISCJB	XI	20 02 24 21.8–.17	38.45N–.02	106.29E–.03	10	4.4b,3.9s		**¶601993074**
IDC	XI	20 02 24 21.8–.50	38.42N	106.24E	0	4.3,4.2		
MOS	XI	20 02 24 24.6–.94	38.47N	106.37E	31	4.7b,4.2		
NEIC	XI	20 02 24 25.9–1.2	38.48N	106.27E	23–9	4.8L,4.6b		
BJI	XI	20 02 24 25.3	38.43N	106.34E	21	4.9b,4.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=26.8.
IDC Error ellipse: s-maj=14.5km s-min=11.1km az=43.0.
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=109.8.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=220.0. Felt [IV] at Yinchuan. Also felt at Dawukou.

(60) Oaxaca

ISC	**XI**	**20 03 33 42.2–2.3**	**16.10N–.05**	**97.01W–.03**	**1–15**	**4.3b**	**85**	**1-59**
ISCJB	XI	20 03 33 43.0–1.2	16.24N–.05	96.91W–.03	7–8	4.3b		**¶601993085**
IDC	XI	20 03 33 44.3–3.9	16.34N	96.97W	0	3.9,3.6		
MEX	XI	20 03 33 46.9–.54	16.06N	97.00W	37–9	4.2,3.6		
NEIC	XI	20 03 33 47.7–.00	16.11N	97.02W	27	4.3b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.1km az=15.9.
IDC Error ellipse: s-maj=67.9km s-min=15.4km az=179.0.
MEX Error ellipse: s-maj=5.2km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt at Oaxaca, San Francisco Lachigolo and San Luis Beltran. After MEX.

(228) Near east coast of eastern Honshu

ISC	**XI**	**20 12 23 12.1–1.2**	**38.51N–.05**	**141.80E–.09**	**52–8**	**3.5b**	**30**	**0-62**
ISCJB	XI	20 12 23 11.3–.76	38.51N–.04	141.79E–.09	60–5	3.5b		**¶602389736**
JMA	XI	20 12 23 12.8	38.53N	141.72E	53–1	3.7		
IDC	XI	20 12 23 13.3–3.1	38.56N	141.87E	69–26	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=5.6km az=15.9.
JMA Event type fe.
IDC Error ellipse: s-maj=42.3km s-min=21.1km az=81.0.

(718) Hindu Kush region

ISC	**XI**	**20 15 14 12.7–.47**	**36.19N–.04**	**70.36E–.04**	**150**	**3.9b**	**116**	**2-85**
IDC	XI	20 15 14 08.8–2.9	35.90N	70.55E	121–24	4.0,3.7		**¶601993220**
ISCJB	XI	20 15 14 11.7–.28	36.17N–.02	70.41E–.04	150	3.8b,3.7		
NNC	XI	20 15 14 12.8–1.9	36.64N	69.96E	0	4.6b,4.5		
MOS	XI	20 15 14 12.7–.82	36.17N	70.49E	162	4.0b,4.5		
BJI	XI	20 15 14 12.9	36.01N	70.60E	156	4.7b,4.3b		
NEIC	XI	20 15 14 13.4–.57	36.23N	70.40E	154–10	4.0b,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=20.3km s-min=13.4km az=171.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.3km az=164.2.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=8.8km az=155.0.
MOS Error ellipse: s-maj=14.0km s-min=6.0km az=75.8.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=8.4km az=122.0. Felt at Mahmud-e Raqi.

(134) Off coast of central Chile

ISC	**XI**	**20 16 23 26.2–.66**	**33.93S–.03**	**72.33W–.04**	**24–4**	**5.3b,5.2s**	**999**	**1-179**
SJA	XI	20 16 23 18.7–.39	33.94S	72.82W	10–4	5.6L,3.8W		**¶601993233**
IDC	XI	20 16 23 22.8–.38	33.88S	72.12W	0	5.1,5.0L		
GUC	XI	20 16 23 23.8–.48	33.98S	72.28W	10–8	5.3L,5.0L		
ISCJB	XI	20 16 23 24.7–1.0	33.94S–.02	72.43W–.04	23–7	5.3b,5.2s		
NEIC	XI	20 16 23 24.8–.53	33.92S	72.25W	16–3	5.4b,5.3L		
MOS	XI	20 16 23 24.9–1.3	33.86S	72.35W	21	5.5b,5.2s		
BJI	XI	20 16 23 26.2	33.90S	72.30W	20	5.5b,5.5s		
GCMT	XI	20 16 23 28.8–.10	33.99S–.01	72.40W–.01	19–0	5.4W,5.5s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Constitucion, Litueche, Longavi and Pichilemu; [IV] at Cauquenes, Curico, Hualane, Iloca, Linares, Lolol, Navidad, Paredones, Pelarco, Pencahue, Rio Claro, Romeral, Sagrada Familia, San Clemente, Santa Cruz, Santo Domingo and Talca; [III] at Algarrobo, Cartagena, Casablanca, Chanco, Colbun, Maule, Melipilla, Parral, Pelluhue, Rancagua, San Antonio, San Fernando, Santiago and Valparaiso. Felt in many parts of central Chile.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c130; s105,c179;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$-1.07±.02; $M_{r\theta}$-0.10±.04; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$-1.32±.06; Best double couple: NP1:ϕ_s185.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s16.00000°,δ20.00000°,λ100.00000°. Principal axes: T 1.6420,Plg64.0000° ,Azm90.0000°; N 0.1010,Plg3.0000°,Azm187.0000°; P -1.7430,Plg26.0000°,Azm278.0000° M_o1.69300×10^{17}

(567) Zaire

ISC	**XI**	**20 16 23 50.1–.44**	**0.45S–.05**	**29.94E–.05**	**15–2**	**4.8b,4.0s**	**111**	**1-127**
NEIC	XI	20 16 23 49.1–.82	0.38S	29.93E	17–5	4.8b,4.0s		**¶601993234**
IDC	XI	20 16 23 50.2–.50	0.30S	29.92E	22–2	4.9L,4.3		
BJI	XI	20 16 23 52.3	0.64S	30.41E	10	5.1b,4.8b		
ISCJB	XI	20 16 23 56.1–.60	0.82S–.04	30.54E–.06	71–5	4.6b,4.8b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Kampala. Also felt at Buganga, Kasese, Mukono, Ntungamo and Rukungiri. Felt [III] at Kigali, Rwanda. Also felt at Kalembule.
ISCJB Event type fe.

(243) Taiwan region

ISC	**XI**	**20 17 09 01.8–.55**	**22.41N–.02**	**121.46E–.02**	**29–3**	**5.1b,4.8s**	**738**	**0-169**
BJI	XI	20 17 08 58.9	22.53N	121.36E	9	5.0b,5.0L		**¶601993246**
ISCJB	XI	20 17 08 59.9–.27	22.397N–.01	121.51E–.01	25–2	5.0b,4.7s		
NEIC	XI	20 17 08 59.8–1.0	22.34N	121.45E	18–6	5.4L,5.2b		
MOS	XI	20 17 09 00.5–1.1	22.32N	121.53E	33	5.3b,4.9s		
NIED	XI	20 17 09 00	22.60N	121.50E	5	4.8W,4.9s		
GCMT	XI	20 17 09 01.8–.20	22.43N–.01	121.39E–.01	23–0	5.1W,4.9s		
JMA	XI	20 17 09 01.2–.10	22.57N	121.54E	14–3	4.9,4.9s		
TAP	XI	20 17 09 01.7	22.47N	121.36E	27–0	5.4L,4.9s		
ASIES	XI	20 17 09 01.7	22.45N	121.40E	25	4.7W,4.9s		
IDC	XI	20 17 09 03.7–1.6	22.34N	121.43E	45–14	4.7,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=3.9.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=93.0. Felt at Changhua, Kaohsiung and Taitung. Recorded [4 TAP] in Taitung; [2 TAP] in Chiayi, Kaohsiung, Pingtung and Yunlin; [1 TAP] in Changhua, Hualien and Nantou.
MOS Error ellipse: s-maj=7.0km s-min=4.4km az=108.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ62.00000°,λ169.00000°. NP2:ϕ_s165.00000°,δ80.00000°,λ29.00000°. M_o1.86000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c68; s90,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37±.28 $M_{\theta\theta}$0.04±.15; $M_{\phi\phi}$-5.40±.18; $M_{r\theta}$-1.76±.22; $M_{\theta\phi}$-3.20±.09; $M_{\phi r}$-0.88±.23; Best double couple: NP1:ϕ_s219.00000°,δ54.00000°,λ109.00000°. NP2:ϕ_s9.00000°,δ40.00000°,λ66.00000°. Principal axes: T 5.8990,Plg73.0000° ,Azm182.0000°; N 1.1800,Plg15.0000°,Azm28.0000°; P -7.0730,Plg7.0000°,Azm296.0000° M_o6.48600×10^{16}

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=13.2km s-min=9.6km az=77.0.

(256) Leyte

ISC	**XI**	**20 22 43 47.5–.92**	**11.17N–.04**	**124.71E–.03**	**11–6**	**4.2b,3.4s**	**63**	**0-99**
IDC	XI	20 22 43 44.8–.84	11.11N	124.86E	0	4.2,4.1b		**¶602059997**
MAN	XI	20 22 43 46.7	11.18N	124.66E	1	4.7b,3.6L		
ISCJB	XI	20 22 43 47.5–.51	11.18N–.04	124.77E–.04	23–4	4.2b,3.4s		
NEIC	XI	20 22 43 56.5–2.7	11.21N	124.97E	95–26	4.2b,3.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=37.1km s-min=16.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.8km az=34.4.
NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=7.0km az=66.0. Felt [II PIVS] at Tacloban.

(489) Southern Indiana

ISC	**XI**	**20 23 28 20.5–1.0**	**38.47N–.01**	**87.90W–.01**	**2–9**		**442**	**0-28**
IDC	XI	20 23 28 21.5–.91	38.59N	87.68W	0	3.7,3.4L		**¶601993289**
ANF	XI	20 23 28 21.8–.21	38.46N	87.89W	6–1	4.5L,3.4L		
NEIC	XI	20 23 28 22.6–.00	38.45N	87.89W	17	3.6,3.4L		
CERI	XI	20 23 28 22.6	38.45N	87.89W	17	3.6,3.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=52.0.
ANF Error ellipse: s-maj=1.4km s-min=1.3km az=41.0.
NEIC Event type fe. Felt [IV] at Albion and Bone Gap; [III] at Calhoun, Greyville, Mount Carmel, Noble, Olney and West Salem. Also felt [III] at Evansville, Haubstadt, Owensville, Patoka and Princeton, Indiana. Felt in much of northern Kentucky, southeastern Illinois and southwestern Indiana. After CERI.

(228) Near east coast of eastern Honshu

ISC	**XI**	**21 00 02 19.3–.86**	**39.62N–.04**	**142.10E–.07**	**50–6**	**4.2b,3.2s**	**99**	**0-88**
NIED	XI	21 00 02 00	39.60N	142.10E	53	4.1W,3.2s		**¶606062502**
BJI	XI	21 00 02 12.6	39.28N	142.83E	54	4.6b,4.5b		
ISCJB	XI	21 00 02 18.2–.47	39.63N–.03	142.11E–.06	57–3	4.1b,3.2s		
JMA	XI	21 00 02 19.0	39.64N	142.11E	49–1	4.1,3.2s		
NEIC	XI	21 00 02 20.3–.62	39.59N	142.07E	62–5	4.2b,3.2s		
IDC	XI	21 00 02 22.6–2.0	39.57N	141.99E	81–18	4.2,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ20.00000°,λ62.00000°. NP2:ϕ_s30.00000°,δ72.00000°,λ100.00000°. $M_0$1.86000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.4km az=13.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s33.00000°,δ73.00000°,λ103.00000°. NP2:ϕ_s175.00000°,δ21.00000°,λ53.00000°. Principal axes: T Plg60.0000°,Azm322.0000°; N Plg12.0000°,Azm209.0000°; P Plg27.0000° ,Azm113.0000°
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=133.0. Recorded [3 JMA] in Iwate.
IDC Error ellipse: s-maj=14.3km s-min=12.5km az=102.0.

(221) Kuril Islands

ISC	**XI**	**21 00 22 10.8–.45**	**44.13N–.04**	**147.73E–.04**	**93–3**	**4.6b**	**535**	**1-152**
NIED	XI	21 00 22 00	43.90N	147.80E	86	4.4W		**¶601993296**
ISCJB	XI	21 00 22 09.9–.28	44.10N–.03	147.71E–.03	97–2	4.6b		
MOS	XI	21 00 22 09.9–.93	44.10N	147.71E	99	4.6b		
NEIC	XI	21 00 22 10.9–.39	44.12N	147.69E	93–3	4.7b		
IDC	XI	21 00 22 10.7–.54	44.13N	147.73E	93–5	4.5,4.4		
SKHL	XI	21 00 22 11.1–1.0	44.12N	147.74E	97–1	5.4s,5.3b		
BJI	XI	21 00 22 11.7	44.31N	147.46E	92	4.9b,4.8b		
JMA	XI	21 00 22 11.2–.20	43.86N	147.77E	86	4.6,4.8b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ45.00000°,λ-75.00000°. NP2:ϕ_s203.00000°,δ47.00000°,λ-104.00000°. $M_0$4.34000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.9km az=157.2.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=5.2km az=103.6. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.3km az=158.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=159.0.
SKHL Event type fe. Felt (II) at Yushno-Kuril'sk.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

(65) Off coast of Guerrero

ISC	**XI**	**21 00 30 48.5–1.5**	**16.17N–.05**	**98.57W–.04**	**12–8**	**4.6b,4.0s**	**646**	**0-151**
NEIC	XI	21 00 30 47.4–.00	15.99N	98.60W	9	4.7,4.6b		**¶601993297**
MEX	XI	21 00 30 47.1–.43	15.95N	98.63W	13–6	4.7,4.6b		
IDC	XI	21 00 30 47.2–.67	16.27N	98.51W	0	4.5,4.4		
BJI	XI	21 00 30 50.8	16.30N	98.30W	12	4.5,4.4		
GCMT	XI	21 00 30 51.4–.60	16.14N–.03	98.43W–.05	14–1	4.8W,4.4		
ISCJB	XI	21 00 30 51.1–1.2	16.39N–.03	98.26W–.02	32–8	4.5b,4.0s		

ISC Event type fe.
NEIC Event type fe. Felt at Cacahuatepec. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c14; s70,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.51±.15 $M_{\theta\theta}$-1.22±.09; $M_{\phi\phi}$-0.28±.08; $M_{r\theta}$0.97±.21; $M_{\theta\phi}$0.56±.06; $M_{\phi r}$-0.32±.25; Best double couple: NP1:ϕ_s111.00000°,δ62.00000°,λ86.00000°. NP2:ϕ_s299.00000°,δ28.00000°,λ97.00000°. Principal axes: T 1.8320,Plg73.0000° ,Azm13.0000°; N -0.0290,Plg3.0000°,Azm113.0000°; P -1.7990,Plg17.0000°,Azm204.0000° $M_0$1.81500×10^{16}
ISCJB Event type fe.

(385) Strait of Gibraltar

ISC	**XI**	**21 07 49 28.0–1.1**	**36.85N–.03**	**6.99W–.03**	**35**		**224**	**1-12**
CNRM	XI	21 07 49 28.9	36.76N	7.15W	33	3.3L		**¶601993392**
ISCJB	XI	21 07 49 29.7–.30	36.99N–.02	6.91W–.02	35	3.3L		
SFS	XI	21 07 49 29.0	36.70N	7.00W	20	3.6L		
IGIL	XI	21 07 49 30.7	36.81N	7.07W	30	3.4L		
MDD	XI	21 07 49 30.4–.40	36.82N	7.05W	40	3.6		
INMG	XI	21 07 49 31.0–1.5	36.81N	7.06W	30–7	3.6L		
LDG	XI	21 07 49 31.0	36.85N	7.03W	38	3.6L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.8km az=32.3.
SFS GOLFO DE CADIZ.
MDD Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=29.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=36.0.
LDG Event type ke.

(291) South of Sumbawa

ISC	**XI**	**21 16 46 40.7–.52**	**11.36S–.03**	**117.92E–.03**	**31–3**	**5.7b,5.0s**	**1470**	**2-177**
BJI	XI	21 16 46 35.4	11.40S	117.90E	10	5.7b,5.6b		**¶601993499**
IDC	XI	21 16 46 36.4–.30	11.37S	117.93E	0	5.5,5.5		
ISCJB	XI	21 16 46 39.3–.33	11.43S–.02	117.93E–.02	35–2	5.7b,5.0s		
NEIC	XI	21 16 46 39.0–.00	11.58S	118.02E	23	5.7b,5.0s		
DJA	XI	21 16 46 40.4–.50	12S–1.0	118E–1.0	28–4	6.3,6.0b		
NEIC	XI	21 16 46 40.1–.08	11.36S	117.93E	25	5.8b,5.4W		
MOS	XI	21 16 46 42.1–.99	11.06S	117.90E	42	5.9b,4.7s		
GCMT	XI	21 16 46 43.1–.10	11.46S–.01	117.98E–.01	35–0	5.4W,4.7s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-0.04 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s96.00000° ,δ58.00000°,λ-95.00000°. NP2:ϕ_s286.00000°,δ32.00000°,λ-81.00000°. Principal axes: T 1.8000,Plg13.0000°,Azm190.0000°; N -0.0900,Plg4.0000°,Azm99.0000° ; P -1.7100,Plg76.0000°,Azm351.0000° $M_0$1.80000×10^{17}
NEIC Event type fe. Felt [IV] at Denpasar and [III] at Kuta, Bali. Also felt at Gianyar and Sukawati and on Nusa Penida. Felt [III] at Lombok, Lombok. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ47.00000°,λ-61.00000°. NP2:ϕ_s102.00000° ,δ51.00000°,λ-118.00000°. Principal axes: T 1.1200,Plg2.0000°,Azm211.0000° ; N -0.0600,Plg21.0000°,Azm120.0000°; P -1.0600,Plg69.0000°,Azm306.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ20.00000° ,λ-90.00000°. NP2:ϕ_s60.00000°,δ70.00000°,λ-90.00000°. Principal axes: T Plg25.0000° ,Azm150.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm330.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c180; s116,c258;
Duration: 1h3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36±.03 $M_{\theta\theta}$1.56±.02; $M_{\phi\phi}$-0.19±.02; $M_{r\theta}$-0.89±.02; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$-0.38±.03; Best double couple: NP1:ϕ_s82.00000°,δ62.00000° ,λ-111.00000°. NP2:ϕ_s301.00000°,δ34.00000°,λ-57.00000°. Principal axes: T 1.8390,Plg15.0000°,Azm187.0000°; N -0.0920,Plg18.0000°,Azm92.0000° ; P -1.7460,Plg66.0000°,Azm314.0000° $M_0$1.79200×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XI**	**21 17 42 37.0–.40**	**38.49N–.03**	**141.88E–.03**	**42–2**	**5.0b,4.3s**	**916**	**0-155**
NIED	XI	21 17 42 00	38.50N	141.80E	50	5.0W,4.3s		**¶601993508**
BJI	XI	21 17 42 31.7	38.38N	142.14E	34	5.0b,4.9b		
NEIC	XI	21 17 42 36.7–1.2	38.48N	141.65E	35–8	5.0b,4.9b		
JMA	XI	21 17 42 38.4–.10	38.53N	141.81E	50–1	5.0,4.9b		
MOS	XI	21 17 42 38.0–.93	38.73N	141.67E	50	5.3b,4.2s		
ISCJB	XI	21 17 42 38.1–.22	38.53N–.02	141.71E–.02	59–1	5.0b,4.3s		
IDC	XI	21 17 42 39.5–1.7	38.53N	141.70E	62–15	4.7,4.6		
GCMT	XI	21 17 42 39.7–.20	38.61N–.02	141.84E–.02	50–1	5.1W,4.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ22.00000°,λ75.00000°. NP2:ϕ_s26.00000°,δ69.00000°,λ96.00000°. $M_0$3.50000×10^{16}
NEIC Event type fe. Felt at Fukushima, Furukawa, Ishinomaki, Kitakami and Sendai. Recorded [4 JMA] in Miyagi.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ61.00000°,λ101.00000°. NP2:ϕ_s188.00000°,δ31.00000°,λ71.00000°. Principal axes: T Plg72.0000°,Azm326.0000°; N Plg10.0000°,Azm205.0000°; P Plg15.0000° ,Azm112.0000°
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c80; s102,c148;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.41±.18 $M_{\theta\theta}$-1.30±.12; $M_{\phi\phi}$-3.11±.12; $M_{r\theta}$1.32±.10; $M_{\theta\phi}$-1.03±.10; $M_{\phi r}$2.74±.10; Best double couple: NP1:ϕ_s25.00000°,δ64.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ26.00000°,λ89.00000°. Principal axes: T 5.4370,Plg71.0000° ,Azm296.0000°; N -0.8350,Plg0.0000°,Azm205.0000°; P -4.6020,Plg19.0000° ,Azm115.0000° $M_0$5.01900×10^{16}

(134) Off coast of central Chile

ISC	**XI**	**21 18 16 36.8–.98**	**33.96S–.03**	**72.19W–.04**	**11–5**	**5.1b,4.8s**	**576**	**1-176**
SJA	XI	21 18 16 30.3–.22	34.04S	73.24W	33	5.5L,4.5W		**¶601993511**
ISCJB	XI	21 18 16 35.1–1.1	33.96S–.03	72.36W–.03	10–7	5.0b,4.7s		
BJI	XI	21 18 16 37.0	34.00S	72.10W	10	5.4b,5.3s		
GUC	XI	21 18 16 37.5–.66	33.99S	72.36W	10–10	5.1L,5.3s		
NEIC	XI	21 18 16 38.5–1.7	33.93S	72.10W	19–10	5.1L,5.1b		
MOS	XI	21 18 16 39.7–1.2	33.90S	72.05W	33	5.2b,5.1b		
IDC	XI	21 18 16 40.7–4.2	33.93S	72.02W	33–30	4.8,4.7		
GCMT	XI	21 18 16 41.5–.20	33.93S–.01	72.40W–.02	28–0	5.2W,4.7		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Navidad and Pichilemu; [IV] at Graneros, La Estrella, Rancagua and Santiago; [III] in the Linares-Vina del Mar area.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c79; s75,c111;Duration: 1h0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.62±.02; $M_{r\theta}$0.19±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-0.64±.03; Best double couple: NP1:ϕ_s169.00000°,δ69.00000°,λ79.00000°. NP2:ϕ_s19.00000°,δ24.00000°,λ118.00000°. Principal axes: T 0.9100,Plg64.0000° ,Azm60.0000°; N -0.0080,Plg11.0000°,Azm173.0000°; P -0.9020,Plg23.0000° ,Azm268.0000° $M_0$0.90600×10^{17}

(123) Northern Chile

ISC	**XI**	**21 21 05 32.7–.51**	**22.08S–.04**	**69.12W–.04**	**86–4**	**4.4b**	**92**	**0-165**
SJA	XI	21 21 05 23.6–.27	21.67S	69.69W	100	4.1L,3.5W		**¶601993531**
ISCJB	XI	21 21 05 32.0–.26	22.15S–.03	69.15W–.04	97–2	4.1b,3.5W		
IDC	XI	21 21 05 32.7–.48	22.07S	68.88W	86–4	4.1,3.9		
NEIC	XI	21 21 05 33.0–.00	22.09S	69.17W	86	4.6L,4.5b		
GUC	XI	21 21 05 33.0–.41	22.09S	69.17W	86–2	4.6L,4.5b		

ISC Event type fe.
SJA Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.9km az=163.7.
IDC Error ellipse: s-maj=18.7km s-min=11.4km az=107.0.
NEIC Event type fe. Felt [III] at Tocopilla and [II] at Oficina Maria Elena and Sierra Gorda. After GUC.
GUC Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.

(135) Near coast of central Chile

ISC	**XI**	**21 21 36 22.2–.58**	**33.97S–.02**	**72.14W–.03**	**17–3**	**5.7b,5.6s**	**1625**	**1-179**
SJA	XI	21 21 36 08.1–.47	34.53S	73.02W	5–8	5.9L,4.2W		**¶601993538**
GUC	XI	21 21 36 21.4–.53	34.01S	72.22W	12–7	5.6L,5.5W		
NEIC	XI	21 21 36 22.7–.09	33.94S	71.87W	18	5.9W,5.8W		
ISCJB	XI	21 21 36 22.2–1.0	33.87S–.02	72.05W–.04	26–7	5.6b,5.6s		
IDC	XI	21 21 36 22.7–2.3	33.94S	72.01W	17–13	5.6,5.6s		
NEIC	XI	21 21 36 22.0–.00	34.30S	71.96W	25	5.6,5.6s		
BJI	XI	21 21 36 23.0	33.96S	72.04W	20	6.0s,5.8		
MOS	XI	21 21 36 24.9–1.1	33.81S	72.06W	37	5.8b,5.6s		
GCMT	XI	21 21 36 26.7–.10	34.05S–.01	72.31W–.01	21–0	5.9W,5.6s		

ISC Event type fe.
NEIC Event type fe. Felt [VI] at Litueche, Navidad and Pichilemu; [V] in much of Maule and Libertador General Bernardo O'Higgins. Felt as far as Chillan, Concepcion, Los Andes and Zapallar. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}4.66 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-3.17 $M_{r\theta}$1.05 $M_{\theta\phi}$1.36 $M_{\phi r}$-4.77 Best double couple: NP1:ϕ_s163.00000° ,δ69.00000°,λ97.00000°. NP2:ϕ_s324.00000°,δ22.00000°,λ73.00000°. Principal axes: T 6.9300,Plg65.0000°,Azm84.0000°; N -0.8800,Plg6.0000°,Azm341.0000° ; P -6.0500,Plg24.0000°,Azm248.0000° $M_0$6.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s350.00000°,δ35.00000°,λ90.00000°. NP2: ϕ_s170.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm80.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm260.0000°
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-4.63 $M_{r\theta}$1.39 $M_{\theta\phi}$0.41 $M_{\phi r}$-7.01 Best double couple: NP1:ϕ_s170.00000° ,δ73.00000°,λ87.00000°. NP2:ϕ_s360.00000°,δ17.00000°,λ99.00000°. Principal axes: T 8.5900,Plg61.0000°,Azm75.0000°; N -0.0900,Plg2.0000°,Azm170.0000° ; P -8.5000,Plg28.0000°,Azm262.0000° $M_0$8.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c247; s128,c375;
Duration: 2h1 Moment tensor: Scale 10^{17}Nm; M_{rr}5.08±.06 $M_{\theta\theta}$0.35±.04; $M_{\phi\phi}$-5.43±.05; $M_{r\theta}$1.40±.08; $M_{\theta\phi}$0.26±.04; $M_{\phi r}$-6.23±.14; Best double couple: NP1:ϕ_s169.00000°,δ70.00000° ,λ84.00000°. NP2:ϕ_s6.00000°,δ20.00000°,λ106.00000°. Principal axes: T 8.1480,Plg64.0000°,Azm70.0000°; N 0.2540,Plg5.0000°,Azm171.0000° ; P -8.4050,Plg25.0000°,Azm264.0000° $M_0$8.27600×10^{17}

(243) Taiwan region

ISC	**XI**	**21 22 25 27.4–.67**	**23.97N–.02**	**122.30E–.02**	**30–4**	**4.9b**	**601**	**1-171**
NIED	XI	21 22 25 00	23.90N	122.30E	38	4.7W		**¶601993544**
BJI	XI	21 22 25 24.3	24.05N	122.29E	5	4.7b,4.6L		
JMA	XI	21 22 25 25.9–.20	23.95N	122.29E	18–3	4.9,4.6L		
MOS	XI	21 22 25 26.8–.88	24.11N	122.41E	39	5.2b,4.6L		
TAP	XI	21 22 25 26.4	24.01N	122.32E	22–0	5.0L,4.6L		
NEIC	XI	21 22 25 27.0–1.4	24.04N	122.34E	29–9	4.9b,4.7L		
ISCJB	XI	21 22 25 27.4–.17	23.99N–.01	122.33E–.01	43–1	4.7b,4.5s		
IDC	XI	21 22 25 28.1–2.2	24.17N	122.36E	33–15	4.6,4.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ85.00000°,λ5.00000°. NP2: ϕ_s326.00000°,δ85.00000°,λ175.00000°. $M_0$1.32000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=4.5km az=122.2.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.4km az=71.0. Recorded [2 TAP] in Yilan and [1 TAP] in Changhua and Hualien.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=138.3.
IDC Error ellipse: s-maj=15.0km s-min=10.2km az=68.0.

(135) Near coast of central Chile

ISC	**XI**	**21 22 52 29.4–.27**	**33.99S–.03**	**72.12W–.04**	**19**	**5.2b**	**721**	**1-179**
ISCJB	XI	21 22 52 27.5–.15	33.99S–.02	72.29W–.03	19	5.1b,4.6s		**¶601993548**
GUC	XI	21 22 52 28.4–.51	34.03S	72.38W	34–5	5.2L,4.6s		
NEIC	XI	21 22 52 29.4–2.4	33.92S	71.99W	16–14	5.2L,5.2b		
IDC	XI	21 22 52 29.9–6.2	33.99S	72.03W	20–38	4.8,4.8		
BJI	XI	21 22 52 30.0	34.00S	72.00W	20	5.3b,5.1s		
MOS	XI	21 22 52 31.1–1.1	33.96S	72.08W	37	5.3b,5.1s		
GCMT	XI	21 22 52 31.4–.40	34.04S–.03	72.49W–.04	33–1	5.1W,5.1s		

ISC Event type fe.
ISCJB Event type fe.

NEIC Event type fe. Felt [IV] at Navidad and Pichilemu; [III] at Constitucion, Paredones, Rancagua, Rio Claro, Romeral, San Fernando, Santa Cruz, Santiago and Villa Alegre; [II] at Colbun, Curico, El Tabo, Maule, Molina, Pelarco, San Antonio, San Clemente, Talca and Villa Alemana. Also felt at Vina del Mar.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c39; s55,c64;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.19±.37 $M_{\theta\theta}$0.07±.27; $M_{\phi\phi}$-5.26±.23; $M_{r\theta}$0.50±.29; $M_{\theta\phi}$-0.36±.16; $M_{\phi r}$-2.62±.24; Best double couple: NP1:ϕ_s177.00000°,δ58.00000°,λ83.00000°. NP2:ϕ_s11.00000°,δ32.00000°,λ101.00000°. Principal axes: T 5.8660,Plg75.0000° ,Azm67.0000°; N 0.0200,Plg6.0000°,Azm181.0000°; P -5.8890,Plg13.0000°,Azm272.0000° M_o5.87800×10^{16}

(456) Montana

ISC	**XI**	**21 23 08 20.4–.94**	**45.08N–.04**	**106.78W–.05**	**0**		**17**	**2-9**
IDC	XI	21 23 08 20.3–1.3	44.80N	106.61W	0	3.7,3.5		**¶602389810**
ISCJB	XI	21 23 08 21.2–.57	45.13N–.04	106.89W–.06	0	3.7,3.5		
NEIC	XI	21 23 08 21.3–.78	45.14N	106.88W	0	2.9,3.5		

ISC Event type sm.
IDC Error ellipse: s-maj=60.4km s-min=9.2km az=138.0.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.6km az=22.6.
NEIC Event type fm. Error ellipse: s-maj=11.6km s-min=10.7km az=134.0. 39 km [24 miles] N of Sheridan. Suspected Mining explosion.

(216) Mariana Islands

ISC	**XI**	**22 06 27 18.8–.52**	**13.56N–.05**	**144.80E–.06**	**136–5**	**4.6b**	**88**	**0-148**
BJI	XI	22 06 27 13.0	13.20N	145.11E	135	4.9b,4.6b		**¶601993631**
DJA	XI	22 06 27 15.6–1.1	14N–12	145E–13	136–3	5.9b,5.5		
IDC	XI	22 06 27 18.7–.42	13.68N	144.88E	136–3	4.4,4.1		
ISCJB	XI	22 06 27 19.4–.52	13.60N–.03	144.77E–.06	154–6	4.6b,4.1		
NEIC	XI	22 06 27 19.9–.49	13.61N	144.67E	142–5	4.7b,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=9.2km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.6km az=173.8.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=80.0. Felt [III] at Santa Rita. Also felt at Barrigada, Inarajan, Mangilao, Talofofo, Yigo and Yona. Felt on Saipan, Northern Mariana Islands.

(283) Bali region

ISC	**XI**	**22 09 09 32.2–.54**	**8.97S–.04**	**115.11E–.04**	**79–4**	**4.9b**	**664**	**0-164**
BJI	XI	22 09 09 30.9	8.90S	115.20E	74	5.0b,5.0b		**¶601993661**
IDC	XI	22 09 09 31.5–1.5	8.89S	115.20E	71–12	4.9,4.7		
NEIC	XI	22 09 09 32.3–.44	8.92S	115.12E	78–3	5.0b,4.7		
MOS	XI	22 09 09 32.2–1.1	8.77S	115.17E	92	5.1b,4.7		
KLM	XI	22 09 09 32.0	9.47S	115.02E	36	4.9b,4.7		
ISCJB	XI	22 09 09 32.7–.29	8.98S–.03	115.04E–.02	98–2	4.8b,4.7		
DJA	XI	22 09 09 33.3–.20	9S–2.0	115E–1.0	67–3	5.6b,5.4		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Denpasar and Gianyar; [III] at Baturiti, Klungkung, Kuta, Tuban and Ubud; [II] at Nusadua. Also felt at Abiansemal, Blahbatuh, Kintamani and Tabanan.
ISCJB Event type fe.

(227) Eastern Honshu

ISC	**XI**	**22 10 10 46.1–1.1**	**39.58N–.03**	**142.04E–.07**	**28–7**	**3.6b**	**38**	**0-76**
NIED	XI	22 10 10 00	39.60N	142.00E	29	3.6W		**¶606063038**
ISCJB	XI	22 10 10 45.7–.61	39.57N–.03	142.02E–.07	37–5	3.6b		
JMA	XI	22 10 10 46.3	39.57N	141.98E	34	3.8		
IDC	XI	22 10 10 48.6–2.1	39.57N	141.98E	49–20	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ26.00000°,λ-159.00000°. NP2:ϕ_s69.00000°,δ81.00000°,λ-65.00000°. M_o2.67000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.4km az=8.4.
JMA Event type fe.
IDC Error ellipse: s-maj=22.7km s-min=14.0km az=112.0.

(129) Salta Province

ISC	**XI**	**22 13 07 11.9–.26**	**22.70S–.03**	**63.63W–.03**	**535–2**	**5.6b**	**2000**	**1-177**
NEIC	XI	22 13 07 05.0–.00	22.67S	63.70W	510	5.6b		**¶601993726**
SJA	XI	22 13 07 05.6–.91	23.10S	64.11W	596–5	5.9L,5.7W		
BJI	XI	22 13 07 06.0	22.39S	63.35W	465	5.6b,5.7W		
ISCJB	XI	22 13 07 09.1–.22	22.62S–.02	63.60W–.02	509–2	5.5b,5.7W		
NEIC	XI	22 13 07 10.4–.25	22.74S	63.57W	517–2	6.0W,5.9		
MOS	XI	22 13 07 10.8–.94	22.74S	63.67W	533	5.8b,5.9		
IDC	XI	22 13 07 12.9–.29	22.70S	63.60W	542–3	6.1,5.3		
GCMT	XI	22 13 07 13.4–.10	22.86S–.01	63.69W–.01	544–0	5.9W,5.3		
GUC	XI	22 13 07 15.8–2.2	22.79S	63.97W	463–149	5.5W,5.3		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.83 $M_{\theta\theta}$0.13 $M_{\phi\phi}$2.71 $M_{r\theta}$-2.25 $M_{\theta\phi}$4.98 $M_{\phi r}$6.09 Best double couple: NP1:ϕ_s178.00000° ,δ77.00000°,λ-128.00000°. NP2:ϕ_s72.00000°,δ41.00000°,λ-20.00000°. Principal axes: T 8.0000,Plg22.0000°,Azm296.0000°; N 1.1600,Plg37.0000°,Azm188.0000° ; P -9.1600,Plg43.0000°,Azm49.0000° M_o8.60000×10^{17}
SJA Error ellipse: s-maj=5.8km s-min=11.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=143.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=71.0. Felt [II] at Tocopilla, Chile. Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ36.00000°,λ-29.00000°. NP2:ϕ_s174.00000°,δ73.00000°,λ-123.00000°. Principal axes: T 1.1100,Plg22.0000° ,Azm289.0000°; N -0.1200,Plg31.0000°,Azm185.0000°; P -0.9800,Plg51.0000° ,Azm47.0000°
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=89.2.
IDC Error ellipse: s-maj=7.3km s-min=5.1km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s122,c241; s87,c101;Duration: 2s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-3.22±.06 $M_{\theta\theta}$-0.56±.09; $M_{\phi\phi}$3.78±.11; $M_{r\theta}$-1.76±.09; $M_{\theta\phi}$5.33±.09; $M_{\phi r}$5.81±.09; Best double couple: NP1:ϕ_s177.00000°,δ76.00000°,λ-130.00000°. NP2:ϕ_s71.00000°,δ42.00000°,λ-22.00000°. Principal axes: T 8.7950,Plg20.0000° ,Azm296.0000°; N 0.0460,Plg39.0000°,Azm189.0000°; P -8.8400,Plg44.0000°,Azm47.0000° M_o8.81700×10^{17}
GUC Error ellipse: s-maj=17.8km s-min=86.4km az=-1.0.

(43) Southern California

ISC	**XI**	**22 14 03 32.5–.91**	**33.89N–.02**	**118.44W–.02**	**11–7**		**69**	**0-4**
NEIC	XI	22 14 03 32.7–.00	33.90N	118.46W	10	2.8L		**¶602060007**
PAS	XI	22 14 03 32.7	33.90N	118.46W	10	2.8L		
SCEDC	XI	22 14 03 32.7	33.90N	118.46W	10	2.8L		
ANF	XI	22 14 03 32.3–.18	33.90N	118.43W	10–1	2.8L		

ISC Event type fe.
NEIC Event type fe. Felt [III] at El Segundo, Inglewood, Manhattan Beach, Playa del Rey and Santa Monica; [II] at Culver City, Hawthorne, Hermosa Beach, Los Angeles, Marina del Rey, Redondo Beach, Torrance and Venice. Also felt at Carson, Harbor City, Palos Verdes Peninsula and Sunset Beach. After PAS.
ANF Error ellipse: s-maj=1.6km s-min=1.3km az=80.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**22 14 19 30.9–.55**	**35.25N–.04**	**140.21E–.04**	**78–5**	**4.6b**	**179**	**0-92**
NIED	XI	22 14 19 00	35.20N	140.10E	71	4.3W		**¶601993738**
BJI	XI	22 14 19 28.3	35.30N	140.40E	78	5.0b,4.6b		
MOS	XI	22 14 19 29.1–1.0	35.23N	140.35E	79	4.8b,4.6b		
ISCJB	XI	22 14 19 30.5–.27	35.22N–.03	140.16E–.04	87–1	4.4b,4.6b		
NEIC	XI	22 14 19 30.4–.66	35.24N	140.34E	75–6	4.8b,4.6b		
IDC	XI	22 14 19 31.7–1.1	35.17N	140.04E	80–9	4.4,4.2		
JMA	XI	22 14 19 31.2–.20	35.20N	140.08E	85–2	4.2,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ54.00000°,λ2.00000°. NP2:ϕ_s232.00000°,δ88.00000°,λ144.00000°. M_o3.08000×10^{15}
MOS Error ellipse: s-maj=9.0km s-min=5.3km az=109.1.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=164.2.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.0km az=81.0. Felt [III] at Tokyo. Felt widely in the Tokyo area. Recorded [2 JMA] in Chiba, Kanagawa, Shizuoka, Tokyo and Yamanashi.
IDC Error ellipse: s-maj=16.7km s-min=5.4km az=70.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ83.00000°,λ158.00000°. NP2: ϕ_s333.00000°,δ68.00000°,λ8.00000°. Principal axes: T Plg21.0000°,Azm194.0000° ; N Plg67.0000°,Azm42.0000°; P Plg10.0000°,Azm288.0000°

(460) Wyoming

ISC	**XI**	**22 18 12 05.7–.91**	**44.12N–.05**	**105.31W–.05**	**0**		**31**	**1-15**
ISCJB	XI	22 18 12 04.2–.58	44.17N–.04	105.27W–.06	0			**¶602389847**
NEIC	XI	22 18 12 06.0–.73	44.26N	105.36W	0	3.0L		
ANF	XI	22 18 12 06.2–.44	44.05N	105.38W		3.3L		
IDC	XI	22 18 12 06.3–1.0	44.49N	105.78W	0	3.5,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.3km s-min=5.5km az=16.6.
NEIC Event type fm. Error ellipse: s-maj=12.5km s-min=8.8km az=154.0. 12 km [8 miles] ESE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=7.2km s-min=4.1km az=162.0.
IDC Error ellipse: s-maj=33.6km s-min=9.6km az=142.0.

(228) Near east coast of eastern Honshu

JMA	**XI**	**22 18 33 34.8**	**36.85N**	**141.09E**	**28–1**	**3.6**		
NIED	XI	22 18 33 00	36.80N	141.10E	5	3.5W		**¶603707307**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ11.00000°,λ-135.00000°. NP2:ϕ_s221.00000°,δ82.00000°,λ-82.00000°. M_o2.28000×10^{14}

(115) Near coast of Peru

ISC	**XI**	**22 21 12 11.1–.77**	**14.55S–.08**	**76.1W–.10**	**29**	**4.2b,3.6s**	**32**	**3-147**
NEIC	XI	22 21 12 09.0–.00	14.63S	76.08W	40	4.6L,4.2b		**¶601993798**
IDC	XI	22 21 12 14.7–2.7	14.58S	75.87W	46–24	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Ica. Also felt at Los Aquijes and Santiago. After ARE.
IDC Error ellipse: s-maj=31.1km s-min=15.2km az=45.0.

(115) Near coast of Peru

ISC	**XI**	**22 23 20 54.8–.75**	**15.48S–.10**	**74.4W–.10**	**54**	**3.8b**	**20**	**4-148**
ISCJB	XI	22 23 20 52.9–.58	15.49S–.08	74.44W–.10	54	3.8b,2.3s		**¶601993819**
IDC	XI	22 23 20 55.2–1.9	15.41S	74.42W	59–18	3.7,3.6		
NEIC	XI	22 23 20 55.0–.00	15.78S	74.79W	45	4.2L,3.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.3km s-min=6.4km az=142.1.
IDC Error ellipse: s-maj=28.6km s-min=12.8km az=49.0.
NEIC Event type fe. Felt [II] at Acari and Chala. After ARE.

(228) Near east coast of eastern Honshu

ISC	**XI**	**22 23 26 47.6–.59**	**39.10N–.04**	**142.37E–.04**	**45–5**	**4.7b,3.6s**	**464**	**1-147**
NIED	XI	22 23 26 00	39.10N	142.30E	50	4.4W,3.6s		**¶601993821**
BJI	XI	22 23 26 46.5	39.21N	142.68E	59	5.0b,4.7b		
JMA	XI	22 23 26 47.9	39.15N	142.30E	47–1	4.7,4.7b		
MOS	XI	22 23 26 47.9–.89	39.24N	142.17E	55	4.9b,4.7b		
ISCJB	XI	22 23 26 48.2–.31	39.17N–.02	142.19E–.03	57–2	4.7b,3.6s		
IDC	XI	22 23 26 49.5–1.8	39.07N	142.17E	64–15	4.4,4.3		
NEIC	XI	22 23 26 49.8–.39	39.14N	142.11E	60–3	4.8b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ44.00000°,λ66.00000°. NP2:ϕ_s75.00000°,δ51.00000°,λ111.00000°. M_o5.00000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s82.00000°,δ65.00000°,λ115.00000°. NP2:ϕ_s215.00000°,δ35.00000°,λ49.00000°. Principal axes: T Plg62.0000°,Azm31.0000°; N Plg22.0000°,Azm251.0000°; P Plg16.0000° ,Azm154.0000°
MOS Error ellipse: s-maj=6.6km s-min=4.8km az=99.3.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=146.5.
IDC Error ellipse: s-maj=13.5km s-min=12.3km az=124.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=148.0. Recorded [3 JMA] in Iwate and Miyagi.

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 03 45 30.8–1.2**	**39.21N–.05**	**142.12E–.09**	**44–10**	**3.6b**	**30**	**0-67**
NIED	XI	23 03 45 00	39.20N	142.10E	47	3.7W		**¶602389864**
ISCJB	XI	23 03 45 29.9–.85	39.23N–.04	142.1E–.10	52–6	3.6b		
JMA	XI	23 03 45 31.4	39.24N	142.08E	43–1	3.6		
IDC	XI	23 03 45 34.4–2.6	39.23N	142.07E	80–23	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ36.00000°,λ-99.00000°. NP2:ϕ_s34.00000°,δ54.00000°,λ-83.00000°. M_o4.35000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=5.6km az=15.6.
JMA Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=17.5km az=121.0.

(249) Luzon

ISC	**XI**	**23 04 52 40.4–.34**	**14.11N–.03**	**120.70E–.03**	**210–2**	**5.0b**	**866**	**0-177**
KLM	XI	23 04 52 38.0	14.05N	120.99E	209	5.1b		**¶601993866**
BJI	XI	23 04 52 38.6	14.01N	120.92E	218	5.0b,4.7b		
ISCJB	XI	23 04 52 39.6–.16	14.13N–.01	120.74E–.02	215–1	5.0b,4.7b		
MAN	XI	23 04 52 39.6	14.15N	120.57E	196	5.7b,5.0s		
MOS	XI	23 04 52 39.2–.87	14.10N	120.73E	212	5.1b,5.0s		
IDC	XI	23 04 52 40.7–.30	14.05N	120.76E	214–2	5.2,4.7		
GCMT	XI	23 04 52 40.0–.20	14.18N–.02	120.77E–.02	203–1	5.0W,4.7		
NEIC	XI	23 04 52 40.0–.27	14.07N	120.71E	209–2	5.1b,4.7		
DJA	XI	23 04 52 42.0–.50	14N–3.0	121E–3.0	225–6	5.8,5.3b		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c54; s96,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.12 $M_{\theta\theta}$-4.41±.14; $M_{\phi\phi}$0.21±.16; $M_{r\theta}$-0.25±.12; $M_{\theta\phi}$0.42±.14; $M_{\phi r}$-2.07±.14; Best double couple: NP1:ϕ_s254.00000°,δ50.00000°,λ59.00000°. NP2:ϕ_s117.00000°,δ49.00000°,λ122.00000°. Principal axes: T 5.0890,Plg67.0000° ,Azm96.0000°; N -0.6440,Plg23.0000°,Azm275.0000°; P -4.4490,Plg0.0000°,Azm5.0000° M_o4.76900×10^{16}
NEIC Event type fe. Felt [II PIVS] at Nasugbu. Also felt at Dinalupihan.

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 12 16 47.5–.91**	**39.09N–.04**	**142.35E–.08**	**43–8**	**3.8b**	**46**	**1-76**
NIED	XI	23 12 16 00	39.10N	142.30E	47	3.9W		**¶602389884**
ISCJB	XI	23 12 16 46.7–.78	39.09N–.04	142.33E–.09	52–7	3.7b,3.6s		
JMA	XI	23 12 16 47.6	39.15N	142.31E	47–1	4.0,3.6s		
IDC	XI	23 12 16 48.0–.75	39.04N	142.48E	49–7	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s69.00000°,δ51.00000°,λ97.00000°. M_o7.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=5.4km az=17.7.
JMA Event type fe.
IDC Error ellipse: s-maj=15.4km s-min=9.9km az=118.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 12 36 34.9–1.9**	**37.10N–.04**	**142.06E–.06**	**3–11**	**3.8b**	**56**	**1-83**
NIED	XI	23 12 36 00	37.10N	142.00E	32	4.0W		**¶601993930**
JMA	XI	23 12 36 37.6–.20	37.13N	142.00E	41–4	4.3		
IDC	XI	23 12 36 40.3–2.8	37.10N	141.95E	36–23	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s259.00000°,δ23.00000°,λ146.00000°. NP2:ϕ_s21.00000°,δ77.00000°,λ70.00000°. M_o1.20000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=13.2km az=95.0.

(224) Hokkaido region

ISC	**XI**	**23 15 37 23.6–1.0**	**42.36N–.05**	**144.39E–.04**	**47–10**	**3.8b**	**85**	**1-78**
NIED	XI	23 15 37 00	42.40N	144.40E	38	4.0W		**¶602389896**
JMA	XI	23 15 37 22.7–.10	42.37N	144.39E	58–2	4.2		
ISCJB	XI	23 15 37 22.8–.47	42.35N–.04	144.38E–.04	55–4	3.7b,3.6s		
MOS	XI	23 15 37 22.4–.79	42.32N	144.32E	57	4.0b,3.6s		
SKHL	XI	23 15 37 24.8–.10	42.41N	144.26E	71–2	4.9b,3.6s		
IDC	XI	23 15 37 26.6–2.2	42.27N	144.12E	68–18	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ26.00000°,λ-8.00000°. NP2:ϕ_s244.00000°,δ87.00000°,λ-116.00000°. M_o1.14000×10^{15}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.5km az=147.2.
MOS Error ellipse: s-maj=14.5km s-min=8.0km az=75.0.
IDC Error ellipse: s-maj=19.5km s-min=14.3km az=95.0.

(227) Eastern Honshu

ISC	**XI**	**23 15 51 47.3–.61**	**36.06N–.04**	**139.91E–.04**	**54–5**	**4.6b,3.7s**	**210**	**0-148**
NIED	XI	23 15 51 00	36.10N	139.90E	53	4.4W,3.7s		**¶606063505**
ISCJB	XI	23 15 51 46.3–.32	36.06N–.03	139.91E–.03	59–2	4.5b,3.7s		
JMA	XI	23 15 51 47.8–.10	36.07N	139.88E	45–1	4.4,3.7s		
NEIC	XI	23 15 51 47.7–.50	36.00N	139.83E	58–4	4.9b,3.7s		
IDC	XI	23 15 51 49.0–1.0	35.99N	139.80E	68–9	4.4,4.2		
MOS	XI	23 15 51 49.9–.96	36.49N	139.72E	68	4.8b,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ17.00000°,λ124.00000°. NP2:ϕ_s45.00000°,δ76.00000°,λ80.00000°. M_o4.58000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=23.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ68.00000°,λ84.00000°. NP2: ϕ_s242.00000°,δ23.00000°,λ106.00000°. Principal axes: T Plg66.0000°,Azm304.0000° ; N Plg6.0000°,Azm47.0000°; P Plg23.0000°,Azm140.0000°
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=100.0. Felt [III] at Saitama and [II] at Tokyo. Felt in much of east-central Honshu. Recorded [3 JMA] in Ibaraki, Saitama and Tochigi.
IDC Error ellipse: s-maj=11.8km s-min=7.2km az=65.0.
MOS Error ellipse: s-maj=8.1km s-min=5.2km az=107.4.

(92) Leeward Islands

ISC	**XI**	**23 19 54 12.7–.59**	**15.29N–.03**	**61.06W–.05**	**133–4**	**4.4b**	**233**	**0-76**
ISCJB	XI	23 19 54 11.8–.21	15.28N–.02	61.05W–.04	139–1	4.3b		**¶601993988**
TRN	XI	23 19 54 12.8	15.28N	61.01W	124	4.0		
IDC	XI	23 19 54 12.3–.44	15.25N	61.06W	131–3	4.1,3.9		
NEIC	XI	23 19 54 13.2–.00	15.25N	61.11W	125	4.5b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.4km az=154.4.
IDC Error ellipse: s-maj=15.7km s-min=6.8km az=77.0.
NEIC Event type fe. Felt at Le Lamentin, Martinique. After TRN.

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 20 21 28.4–.38**	**38.24N–.03**	**141.82E–.03**	**53–3**	**5.3b,4.1s**	**1344**	**0-160**
NIED	XI	23 20 21 00	38.20N	141.80E	56	5.0W,4.1s		**¶601993994**
BJI	XI	23 20 21 24.4	38.16N	141.87E	41	5.4b,5.1b		
ISCJB	XI	23 20 21 28.9–.20	38.21N–.02	141.73E–.02	65–1	5.2b,5.1b		
MOS	XI	23 20 21 28.3–.90	38.36N	141.76E	56	5.5b,5.1b		
IDC	XI	23 20 21 29.5–1.3	38.21N	141.74E	60–11	5.0,4.8		
JMA	XI	23 20 21 29.3	38.21N	141.79E	57–1	5.2,4.8		
NEIC	XI	23 20 21 30.4–.35	38.21N	141.69E	69–3	5.3b,4.8		
GCMT	XI	23 20 21 31.5–.20	38.33N–.02	141.70E–.02	55–1	5.0W,4.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ34.00000°,λ129.00000°. NP2:ϕ_s181.00000°,δ64.00000°,λ67.00000°. $M_0$3.98000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ70.00000°,λ159.00000°. NP2:ϕ_s144.00000°,δ70.00000°,λ21.00000°. Principal axes: T Plg29.0000°,Azm5.0000°; N Plg61.0000°,Azm185.0000°; P Plg0.0000° ,Azm95.0000°
NEIC Event type fe. Felt [V] at Sendai and [IV] at Fukushima. Felt in much of eastern Honshu from Kasukabe to Hachinohe. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c81; s105,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.17±.16 $M_{\theta\theta}$0.35±.12; $M_{\phi\phi}$-3.52±.12; $M_{r\theta}$0.66±.09; $M_{\theta\phi}$-1.93±.10; $M_{\phi r}$-2.63±.10; Best double couple: NP1:ϕ_s180.00000°,δ65.00000°,λ64.00000°. NP2:ϕ_s48.00000°,δ36.00000°,λ132.00000°. Principal axes: T 4.4900,Plg61.0000° ,Azm50.0000°; N 0.4450,Plg23.0000°,Azm191.0000°; P -4.9360,Plg16.0000°,Azm288.0000° $M_0$4.71300×10^{16}

(460) Wyoming

ISC	**XI**	**23 21 03 22.7–.63**	**43.82N–.03**	**105.30W–.04**	**0**		**59**	**1-90**
ISCJB	XI	23 21 03 20.4–.34	43.83N–.03	105.21W–.04	0	4.3b		**¶602389907**
NEIC	XI	23 21 03 20.9–.60	43.95N	105.35W	0	3.0L		
IDC	XI	23 21 03 21.7–1.7	44.06N	105.67W	0	4.2b,4.1		
ANF	XI	23 21 03 22.0–.36	43.78N	105.25W		3.9L,4.1		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.5km s-min=3.5km az=26.6.
NEIC Event type fm. Error ellipse: s-maj=11.2km s-min=6.8km az=149.0. 42 km [26 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=65.3km s-min=7.7km az=146.0.
ANF Error ellipse: s-maj=5.2km s-min=4.4km az=129.0.

(127) Chile-Argentina border region

ISC	**XI**	**24 01 19 24.7–.64**	**23.82S–.03**	**67.87W–.05**	**102–5**	**4.8b**	**571**	**2-170**
ISCJB	XI	24 01 19 23.6–.40	23.69S–.02	67.76W–.04	106–3	4.8b		**¶601994046**
MOS	XI	24 01 19 24.8–1.2	23.76S	67.93W	112	5.0b		
NEIC	XI	24 01 19 24.8–.30	23.81S	67.82W	104–2	4.9L,4.8b		
BJI	XI	24 01 19 25.8	23.80S	67.80W	103	4.9L,4.8b		
IDC	XI	24 01 19 26.9–.83	23.68S	67.78W	119–7	4.9,4.6		
GUC	XI	24 01 19 26.5–1.4	23.75S	68.32W	151–15	4.9L,4.6		
GCMT	XI	24 01 19 30.8–.40	23.71S–.03	68.06W–.03	150–4	4.9W,4.6		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at San Pedro de Atacama.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s64,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.33±.12 $M_{\theta\theta}$0.85±.16; $M_{\phi\phi}$1.48±.21; $M_{r\theta}$0.25±.10; $M_{\theta\phi}$-1.98±.14; $M_{\phi r}$-1.43±.12; Best double couple: NP1:ϕ_s337.00000°,δ60.00000°,λ-68.00000°. NP2:ϕ_s119.00000°,δ36.00000°,λ-123.00000°. Principal axes: T 3.4490,Plg12.0000° ,Azm52.0000°; N -0.5850,Plg19.0000°,Azm146.0000°; P -2.8580,Plg67.0000° ,Azm290.0000° $M_0$3.15400×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XI**	**24 01 29 59.7–.41**	**38.26N–.03**	**141.81E–.03**	**55–3**	**5.0b,3.9s**	**956**	**0-161**
BJI	XI	24 01 29 53.9	38.07N	141.99E	38	4.9b,4.9b		**¶601994048**
MOS	XI	24 01 29 58.3–.82	38.39N	141.74E	46	5.2b,4.9b		
ISCJB	XI	24 01 29 59.8–.24	38.23N–.02	141.72E–.02	65–2	5.0b,4.9b		
JMA	XI	24 01 30 00.1	38.22N	141.79E	56–1	4.8,4.9b		
NIED	XI	24 01 30 00	38.20N	141.80E	62	4.8W,4.9b		
NEIC	XI	24 01 30 00.6–.27	38.23N	141.70E	60–2	5.1b,4.9b		
IDC	XI	24 01 30 01.1–1.2	38.27N	141.74E	65–11	4.8,4.6		
GCMT	XI	24 01 30 02.6–.40	38.46N–.03	141.60E–.04	63–4	4.8W,4.6		

ISC Event type fe.
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ72.00000°,λ47.00000°. NP2:ϕ_s67.00000°,δ46.00000°,λ155.00000°. Principal axes: T Plg45.0000°,Azm41.0000°; N Plg41.0000°,Azm191.0000°; P Plg16.0000° ,Azm295.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ37.00000°,λ133.00000°. NP2:ϕ_s180.00000°,δ64.00000°,λ63.00000°. $M_0$1.76000×10^{16}
NEIC Event type fe. Felt in Fukushima, Iwate, Kanagawa, Miyagi, Tochigi, Tokyo and Yamagata. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s65,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.19 $M_{\theta\theta}$0.19±.14; $M_{\phi\phi}$-1.44±.12; $M_{r\theta}$0.47±.09; $M_{\theta\phi}$-0.73±.11; $M_{\phi r}$-1.31±.09; Best double couple: NP1:ϕ_s174.00000°,δ69.00000°,λ63.00000°. NP2:ϕ_s48.00000°,δ34.00000°,λ139.00000°. Principal axes: T 2.0590,Plg58.0000° ,Azm47.0000°; N 0.0310,Plg25.0000°,Azm185.0000°; P -2.0900,Plg19.0000°,Azm284.0000° $M_0$2.07400×10^{16}

(230) Near south coast of eastern Honshu

JMA	**XI**	**24 02 48 57.7**	**34.86N**	**137.89E**	**33**	**3.6**		
NIED	XI	24 02 48 00	34.90N	137.90E	35	3.5W		**¶603707746**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s213.00000°,δ76.00000°,λ14.00000°. NP2:ϕ_s119.00000°,δ76.00000°,λ166.00000°. Principal axes: T Plg20.0000°,Azm76.0000°; N Plg70.0000°,Azm256.0000°; P Plg0.0000° ,Azm346.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ77.00000°,λ172.00000°. NP2:ϕ_s212.00000°,δ82.00000°,λ13.00000°. $M_0$2.11000×10^{14}

(475) Maine

ISC	**XI**	**24 04 25 25.0–1.2**	**44.37N–.03**	**69.18W–.02**	**5–10**		**48**	**0-4**
ISCJB	XI	24 04 25 25.0–.62	44.42N–.03	69.16W–.03	8–3			**¶601994068**
NEIC	XI	24 04 25 25.9–.60	44.44N	69.18W	5	2.1		
OTT	XI	24 04 25 26.9–.21	44.40N	69.15W	5	2.5		
WES	XI	24 04 25 26.7–.00	44.42N	69.21W	4	2.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.0km az=161.1.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.1km az=155.0. Felt [III] at Belfast, Liberty, Lincolnville, Morrill and Searsmont; [II] at Freedom and Union. Also felt at Bangor, Camden, Millinocket and Norway.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Maine, U.S. 171km southwest from St. Stephen, Nb Northern Appalachians Seismic Zone.
WES Event type se.

(228) Near east coast of eastern Honshu

ISC	**XI**	**24 08 59 47.6–.34**	**35.56N–.03**	**140.00E–.03**	**73–2**	**4.9b**	**859**	**0-153**
NIED	XI	24 08 59 00	35.60N	140.10E	74	4.9W		**¶601994106**
BJI	XI	24 08 59 39.7	35.42N	140.53E	56	5.0b,4.9b		
JMA	XI	24 08 59 47.2–.20	35.64N	140.02E	72–2	4.8,4.9b		
ISCJB	XI	24 08 59 47.2–.21	35.53N–.02	139.87E–.02	80–1	4.8b,4.9b		
IDC	XI	24 08 59 48.2–.59	35.53N	139.94E	81–4	4.9,4.7		
NEIC	XI	24 08 59 49.0–.28	35.53N	139.85E	83–2	4.8b,4.7		
GCMT	XI	24 08 59 49.0–.20	35.59N–.02	140.11E–.02	64–1	5.0W,4.7		
MOS	XI	24 08 59 50.1–.87	36.00N	139.86E	88	5.0b,4.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ26.00000°,λ50.00000°. NP2:ϕ_s17.00000°,δ71.00000°,λ107.00000°. $M_0$2.74000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ62.00000°,λ85.00000°. NP2: ϕ_s193.00000°,δ28.00000°,λ100.00000°. Principal axes: T Plg72.0000°,Azm260.0000° ; N Plg5.0000°,Azm5.0000°; P Plg17.0000°,Azm96.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=165.8.
IDC Error ellipse: s-maj=10.3km s-min=8.3km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=133.0. Felt [V] at Chiba and Tokyo; [IV] at Saitama, Tsuchiura and Yokohama; [III] at Ichihara, Mito, Narita and Yokosuka. Widely felt in east-central Honshu. Recorded [4 JMA] in Kanagawa and Tokyo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c71; s100,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.47±.13 $M_{\theta\theta}$0.21±.11; $M_{\phi\phi}$-3.67±.09; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-0.61±.08; $M_{\phi r}$1.48±.08; Best double couple: NP1:ϕ_s10.00000°,δ56.00000°,λ92.00000°. NP2:ϕ_s187.00000°,δ34.00000°,λ88.00000°. Principal axes: T 3.7750,Plg79.0000° ,Azm286.0000°; N 0.3000,Plg1.0000°,Azm189.0000°; P -4.0680,Plg11.0000°,Azm99.0000° $M_0$3.92100×10^{16}
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=109.5.

(228) Near east coast of eastern Honshu

JMA	**XI**	**24 10 46 27.9–.10**	**37.20N**	**141.71E**	**75–2**	**3.7**		
NIED	XI	24 10 46 00	37.20N	141.70E	77	3.7W		**¶603707852**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ25.00000°,λ-134.00000°. NP2:ϕ_s223.00000°,δ72.00000°,λ-72.00000°. $M_0$4.09000×10^{14}

(270) Ceram Sea

ISC	**XI**	**24 11 24 47.1–.69**	**2.31S–.06**	**125.96E–.06**	**20**	**3.8b**	**31**	**0-62**
ISCJB	XI	24 11 24 45.3–.37	2.38S–.04	125.95E–.04	20	4.5b		**¶602082456**
DJA	XI	24 11 24 47.8–.40	2S–4.0	126E–2.0	23–3	4.9b,4.3b		
NEIC	XI	24 11 24 48.4–.55	2.30S	125.99E	35	4.0b,4.3b		
IDC	XI	24 11 24 50.8–6.9	2.43S	126.05E	57–76	3.8,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=5.1km az=162.1.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=8.7km az=60.0. Felt [III] at Sanana.
IDC Error ellipse: s-maj=48.7km s-min=21.2km az=98.0.

(39) Central California

ISC	**XI**	**24 15 44 34.6–1.1**	**36.60N–.02**	**121.25W–.02**	**6–9**		**94**	**0-5**
ANF	XI	24 15 44 33.2–1.1	36.47N	121.47W	5	3.5L		**¶602060016**
ISCJB	XI	24 15 44 34.8–.29	36.57N–.02	121.28W–.04	9–3	3.5L		
NEIC	XI	24 15 44 35.3–.00	36.62N	121.22W	6	3.3W		
NCEDC	XI	24 15 44 35.3	36.62N	121.22W	6	3.3W		

ISC Event type fe.
ANF Error ellipse: s-maj=11.0km s-min=6.3km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=158.9.
NEIC Event type fe. Felt [II] at Paicines. Also felt at Atascadero, Greenfield and Soledad. After NCEDC. Moment Tensor Solution. $M_0$1.20000×10^{14}

(228) Near east coast of eastern Honshu

JMA	**XI**	**24 17 34 37.7–.10**	**37.04N**	**141.38E**	**31–1**	**3.6**		
NIED	XI	24 17 34 00	37.00N	141.40E	8	3.3W		**¶606063883**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ37.00000°,λ-85.00000°. NP2:ϕ_s199.00000°,δ53.00000°,λ-94.00000°. $M_0$1.08000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**XI**	**24 17 40 22.7–.53**	**35.53N–.04**	**141.09E–.07**	**33**	**4.0b,3.5s**	**55**	**0-91**
NIED	XI	24 17 40 00	35.60N	141.20E	47	4.3W,3.5s		**¶601994180**
ISCJB	XI	24 17 40 20.7–.43	35.53N–.04	141.27E–.06	33	3.9b,3.4s		
JMA	XI	24 17 40 22.9–.20	35.56N	141.08E	37–1	3.8,3.4s		
IDC	XI	24 17 40 25.8–1.8	35.49N	140.87E	57–16	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ85.00000°. NP2:ϕ_s16.00000°,δ65.00000°,λ92.00000°. $M_0$3.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.3km az=176.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s73.00000°,δ54.00000°,λ81.00000°. NP2: ϕ_s267.00000°,δ37.00000°,λ102.00000°. Principal axes: T Plg79.0000°,Azm309.0000° ; N Plg7.0000°,Azm78.0000°; P Plg9.0000°,Azm169.0000°
IDC Error ellipse: s-maj=17.9km s-min=9.5km az=85.0.

(369) Dodecanese Islands

ISC	**XI**	**24 21 04 18.0–.79**	**36.55N–.02**	**27.91E–.01**	**11–5**	**4.5b**	**666**	**0-116**
HLW	XI	24 21 03 45.4	38.96N	27.69E	10–22	4.7L,4.4		**¶606804547**
BJI	XI	24 21 04 14.0	36.50N	27.90E	5	4.8b,4.6s		
ISCJB	XI	24 21 04 16.5–.35	36.51N–.01	27.98E–.01	12–2	4.5b,3.5s		
NEIC	XI	24 21 04 16.9–.00	36.60N	27.92E	11	4.5b,4.4L		
ATH	XI	24 21 04 17.1	36.65N	27.98E	28–0	4.2L,4.4L		
ISK	XI	24 21 04 17.0	36.63N	27.93E	8–0	4.4L,4.4L		
DDA	XI	24 21 04 17.1	36.60N	27.94E	12	4.3L,4.4L		
MOS	XI	24 21 04 18.4–.97	36.59N	27.96E	23	4.6b,4.4L		
THE	XI	24 21 04 18.3	36.63N	27.96E	0–1	4.1L,4.4L		
IDC	XI	24 21 04 20.5–2.1	36.48N	27.90E	35–18	4.2,4.1		
NIC	XI	24 21 04 21.8–.20	36.60N	28.26E	12	4.6b,4.2L		
GII	XI	24 21 04 22.1–.38	36.39N	28.06E	60	4.3b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=15.6.
NEIC Event type fe. Felt at Symi. After ISK.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=207.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=112.6.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=201.0.
IDC Error ellipse: s-maj=14.7km s-min=11.2km az=177.0.
GII Event type ke.

(369) Dodecanese Islands

ISC	**XI**	**24 21 31 16.5–.87**	**36.57N–.02**	**27.95E–.01**	**12–5**	**4.5b**	**633**	**0-124**
IDC	XI	24 21 31 14.3–.62	36.53N	27.94E	0	4.2,4.2b		**¶601994218**
ISCJB	XI	24 21 31 14.5–.36	36.52N–.01	27.99E–.01	9–2	4.4b,2.8s		
NEIC	XI	24 21 31 14.9–.00	36.60N	27.91E	8	4.3L,4.3b		
ISK	XI	24 21 31 15.1	36.61N	27.93E	8–0	4.3L,4.3b		
ATH	XI	24 21 31 15.8	36.64N	27.93E	26–0	4.1L,4.3b		
DDA	XI	24 21 31 15.2	36.59N	27.93E	21	4.2L,4.3b		
MOS	XI	24 21 31 16.4–1.2	36.56N	27.97E	21	4.6b,4.3b		
THE	XI	24 21 31 16.3	36.63N	27.97E	0–1	4.1L,4.3b		
NIC	XI	24 21 31 19.2–.20	36.77N	28.30E	12	4.5b,4.1L		
GII	XI	24 21 31 20.2–.00	36.48N	28.19E	30–1	4.4b,4.2		
HLW	XI	24 21 31 20.2	36.25N	28.31E	11–15	4.4L,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=14.4.
NEIC Event type fe. Felt at Lakkion and Rodos. After ISK.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=205.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
MOS Error ellipse: s-maj=5.3km s-min=3.3km az=112.9.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=20.0.
GII Event type ke.

(613) Hawaiian Islands

ISC	**XI**	**25 03 59 48.6–.95**	**19.24N–.07**	**155.37W–.05**	**31–5**	**3.7b**	**67**	**0-104**
IDC	XI	25 03 59 44.0–1.6	19.11N	155.42W	0	4.0,3.8		**¶601994294**
NEIC	XI	25 03 59 46.2–.00	18.96N	155.20W	24	4.3L,3.8		
ISCJB	XI	25 03 59 47.3–.73	19.19N–.06	155.42W–.05	31–2	4.2s,4.0b		

ISC Event type fe.

NEIC Event type fe. Felt [IV] at Honomu; [III] at Kurtistown, Mountain View, Pahala and Waimea; [II] at Captain Cook, Hilo, Kailua Kona, Kea'au, Na'alehu, Pahoa and Volcano. Felt throughout the Island of Hawai'i. After HVO.
ISCJB Event type fe.

(135) Near coast of central Chile

ISC	**XI**	**25 05 18 32.7–1.3**	**32.65S–.05**	**71.68W–.06**	**33–4**	**4.0b**	**37**	**1-156**
IDC	XI	25 05 18 28.2–.99	32.65S	71.42W	0	4.4L,4.0		¶601994303
GUC	XI	25 05 18 31.7–.61	32.74S	71.74W	27–6	4.1L,4.0		
NEIC	XI	25 05 18 32.0–.00	32.72S	71.69W	21	4.1L,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=52.1km s-min=21.5km az=83.0.
GUC Error ellipse: s-maj=4.8km s-min=5.7km az=-1.0.
NEIC Event type fe. Felt [III] at Valparaiso, Villa Alemana and Vina del Mar; [II] at Quillota, San Felipe and Santiago. Also felt at Maipu. After GUC.

(74) Near coast of Nicaragua

ISC	**XI**	**25 15 10 40.8–.92**	**11.71N–.05**	**87.03W–.05**	**57–9**	**4.2b**	**83**	**1-149**
ISCJB	XI	25 15 10 39.7–.48	11.68N–.04	87.08W–.04	62–5	4.1b		¶601994393
UCR	XI	25 15 10 39.3–2.2	11.68N	87.10W	21–9	4.5,4.3b		
NEIC	XI	25 15 10 40.7–.57	11.67N	87.02W	61–6	4.3b,4.3b		
IDC	XI	25 15 10 42.5–1.7	12.17N	86.45W	64–19	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.3km az=138.3.
UCR Error ellipse: s-maj=5.8km s-min=5.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=6.6km az=45.0. Felt at Nicoya and Santa Cruz, Costa Rica.
IDC Error ellipse: s-maj=45.0km s-min=13.3km az=54.0.

(123) Northern Chile

ISC	**XI**	**25 22 51 48.8–.44**	**19.70S–.03**	**69.41W–.05**	**103–3**	**4.4b**	**112**	**0-152**
ISCJB	XI	25 22 51 48.4–.27	19.65S–.03	69.32W–.06	110–2	4.2b		¶601994451
GUC	XI	25 22 51 49.3–.75	19.64S	69.37W	98–3	4.6L		
NEIC	XI	25 22 51 49.0–.00	19.63S	69.38W	102	4.6L,4.4b		
IDC	XI	25 22 51 50.0–.53	19.54S	69.07W	103–4	4.1,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.0km az=170.6.
GUC Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt [IV] at Camina and Mamina; [III] at Alto Hospicio, Iquique and La Tirana; [II] at Huara. After GUC.
IDC Error ellipse: s-maj=19.1km s-min=9.8km az=84.0.

(113) Western Brazil

ISC	**XI**	**25 22 57 43.9–.42**	**9.44S–.04**	**63.10W–.06**	**35**	**4.6b**	**87**	**8-157**
IDC	XI	25 22 57 39.3–.65	9.43S	63.08W	0	4.3,4.2		¶601994452
ISCJB	XI	25 22 57 41.9–.33	9.51S–.03	63.10W–.05	33	4.8s,4.5b		
NEIC	XI	25 22 57 41.3–.26	9.39S	63.10W	10	4.6b,4.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=11.4km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.3km az=7.1.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=96.0. Felt at Ariquemes and Porto Velho.

(613) Hawaiian Islands

NEIC	**XI**	**25 23 56 20.0–.00**	**19.30N**	**155.22W**	**9**	**3.8L**	
							¶601994463

NEIC Event type fe. Felt [III] at Volcano and [II] at Hilo and Pahoa. Also felt at Captain Cook, Hawaii National Park, Honomu, Kurtistown, Papa'ikou, Pepeekeo and Waimea. After HVO.

(136) Central Chile

ISC	**XI**	**26 01 39 48.9–1.0**	**34.76S–.04**	**71.86W–.09**	**33–3**		**30**	**0-84**
IDC	XI	26 01 39 43.3–1.4	34.74S	71.71W	0	3.8L,3.7		¶602082640
GUC	XI	26 01 39 46.4–.57	35.05S	71.77W	62–4	3.9L,3.7		
NEIC	XI	26 01 39 46.0–.00	35.05S	71.77W	62	3.9L,3.7		
ISCJB	XI	26 01 39 48.4–.58	34.80S–.04	71.92W–.10	50–6	3.3b,3.7		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Constitucion, Paredones, Pichilemu and San Fernando; [II] at Curico, Hualane, Iloca, Maule, Parral, Pencahue, Rancagua, Rio Claro, Romeral, Sagrada Familia, Talca and Villa Alegre. After GUC.
ISCJB Event type fe.

(321) Southern Xinjiang

ISC	**XI**	**26 05 33 49.1–.39**	**40.41N–.03**	**90.37E–.02**	**11–2**	**5.5b,4.7s**	**1538**	**4-166**
IDC	XI	26 05 33 47.3–.37	40.41N	90.44E	0	5.2,5.2		¶601994499
ISCJB	XI	26 05 33 48.5–.07	40.42N–.01	90.38E–.01	18	5.4b,4.6s		
BJI	XI	26 05 33 48.8	40.35N	90.45E	10	5.6L,5.3b		
NEIC	XI	26 05 33 48.8–.07	40.41N	90.36E	10	5.6L,5.6b		
GCMT	XI	26 05 33 50.8–.20	40.62N–.01	90.54E–.02	23–0	5.1W,5.6b		
MOS	XI	26 05 33 50.1–1.0	40.46N	90.33E	28	5.6b,4.7s		
NNC	XI	26 05 33 50.3–1.5	40.55N	90.12E	0	5.9b,5.6		

ISC Event type de.
IDC Error ellipse: s-maj=12.4km s-min=9.4km az=30.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.5km az=32.9.
NEIC Event type de. Error ellipse: s-maj=2.2km s-min=1.8km az=27.0. Some houses damaged in Xinjiang. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}3.76 $M_{\theta\theta}$-4.15 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s63.00000°,δ46.00000° ,λ56.00000°. NP2:ϕ_s288.00000°,δ53.00000°,λ121.00000°. Principal axes: T 4.6400,Plg66.0000°,Azm258.0000°; N -0.4300,Plg24.0000°,Azm88.0000° ; P -4.2200,Plg4.0000°,Azm356.0000° M_o4.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c82; s95,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.48±.15 $M_{\theta\theta}$-4.70±.11; $M_{\phi\phi}$1.23±.10; $M_{r\theta}$-1.14±.16; $M_{\theta\phi}$-2.32±.09; $M_{\phi r}$1.51±.17; Best double couple: NP1:ϕ_s280.00000°,δ57.00000°,λ131.00000°. NP2:ϕ_s41.00000°,δ51.00000°,λ44.00000°. Principal axes: T 4.7180,Plg56.0000° ,Azm246.0000°; N 0.8320,Plg34.0000°,Azm75.0000°; P -5.5400,Plg4.0000°,Azm342.0000° M_o5.12900×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=2.9km az=131.8.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=16.2km az=31.0.

(248) Philippine Islands region

ISC	**XI**	**26 07 23 38.7–.75**	**10.45N–.03**	**126.79E–.04**	**40–6**	**5.1b,3.9s**	**593**	**1-164**
IDC	XI	26 07 23 32.9–.32	10.44N	126.62E	0	5.0,4.9		¶601994512
DJA	XI	26 07 23 34.3–1.3	11N–4.0	127E–3.0	22–8	5.5b,5.2b		
MAN	XI	26 07 23 34.9	10.65N	126.92E	46	5.4b,4.6s		
BJI	XI	26 07 23 35.4	10.19N	126.86E	44	5.1b,5.1b		
MOS	XI	26 07 23 36.2–1.0	10.39N	126.57E	33	5.4b,5.1b		
ISCJB	XI	26 07 23 37.1–.48	10.44N–.02	126.77E–.03	44–4	5.1b,3.9s		
NEIC	XI	26 07 23 39.6–.51	10.44N	126.70E	54–4	5.1b,3.9s		
KLM	XI	26 07 23 41.0	10.35N	126.60E	43	5.3b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.2km s-min=8.2km az=73.0.
MOS Error ellipse: s-maj=10.4km s-min=4.7km az=120.7.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=164.5.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=78.0. Felt at General Luna, Siargao Island.

(238) Ryukyu Islands

ISC	**XI**	**26 09 39 02.3–.71**	**27.72N–.04**	**128.63E–.05**	**73–6**	**3.8b**	**49**	**0-84**
ISCJB	XI	26 09 39 01.6–.30	27.73N–.04	128.62E–.06	79–3	3.6b		¶601994525
JMA	XI	26 09 39 02.9	27.77N	128.56E	64–1	3.7		
IDC	XI	26 09 39 02.8–.85	27.74N	128.29E	73–9	3.8,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=3.6km az=34.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=12.4km az=81.0.

(76) Off coast of central America

ISC	**XI**	**26 12 27 56.7–.56**	**12.45N–.05**	**88.52W–.04**	**37–1**	**4.5b,3.6s**	**483**	**1-148**
UCR	XI	26 12 27 53.4–1.5	12.37N	88.60W	28–7	4.5b,4.1L		¶601994555
ISCJB	XI	26 12 27 55.0–.41	12.42N–.03	88.50W–.02	40–3	4.4b,3.6s		
NEIC	XI	26 12 27 57.5–.38	12.43N	88.40W	49–3	4.5b,4.3		
IDC	XI	26 12 27 57.4–1.7	12.59N	88.31W	41–15	4.3,4.3		

ISC Event type fe.
UCR Error ellipse: s-maj=5.7km s-min=4.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=30.4.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=220.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=25.3km s-min=9.2km az=53.0.

(43) Southern California

NEIC	**XI**	**26 15 33 50.7–.00**	**33.00N**	**116.24W**	**6**	**3.6L**		
								¶601994586

NEIC Event type fe. Felt [II] at Alpine, Borrego Springs and Pine Valley. Felt in much of San Diego County. After PAS.

(369) Dodecanese Islands

ISC	**XI**	**26 17 35 42.5–.72**	**36.60N–.02**	**27.96E–.01**	**16–4**	**5.0b,3.8s**	**1163**	**0-126**
BJI	XI	26 17 35 38.5	36.55N	27.66E	14	5.1b,5.0s		¶601994613
GII	XI	26 17 35 39.8–.00	36.58N	27.95E	2	4.6b,4.5		
DDA	XI	26 17 35 41.4	36.62N	27.95E	7	4.8L,4.5		
PDG	XI	26 17 35 41.9–.55	36.64N	27.96E	16–1	4.8L,4.5		
NEIC	XI	26 17 35 41.8–.00	36.66N	27.99E	0	5.0b,4.9L		
ISK	XI	26 17 35 41.2	36.61N	27.96E	11–0	4.8L,4.9L		
ATH	XI	26 17 35 41.9	36.65N	27.91E	26–0	4.8L,4.9L		
HLW	XI	26 17 35 41.8	36.58N	28.09E	7–15	5.1L,4.4		
THE	XI	26 17 35 41.5	36.66N	28.01E	1–1	4.8L,4.4		
ISCJB	XI	26 17 35 42.2–.24	36.57N–.01	27.97E–.01	27–1	4.9b,4.0s		
MOS	XI	26 17 35 42.7–1.3	36.60N	27.96E	24	5.1b,4.0s		
GCMT	XI	26 17 35 43.8–.40	36.61N–.04	27.94E–.04	19–1	4.8W,4.0s		
NIC	XI	26 17 35 43.5–.20	36.67N	27.99E	17	4.9b,4.6L		
IDC	XI	26 17 35 44.5–2.9	36.58N	27.91E	29–20	4.6,4.5		

ISC Event type fe.
GII Event type ke.
DDA Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type fe. Felt on Rhodes and Symi. After THE.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=189.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=13.0.
MOS Error ellipse: s-maj=3.9km s-min=2.4km az=111.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s69,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.13 $M_{\theta\theta}$0.77±.09; $M_{\phi\phi}$1.09±.09; $M_{r\theta}$0.60±.19; $M_{\theta\phi}$0.51±.04; $M_{\phi r}$0.63±.17; Best double couple: NP1:ϕ_s219.00000°,δ59.00000°,λ-88.00000°. NP2:ϕ_s35.00000°,δ31.00000°,λ-94.00000°. Principal axes: T 1.6780,Plg14.0000° ,Azm307.0000°; N 0.3990,Plg2.0000°,Azm38.0000°; P -2.0760,Plg76.0000°,Azm136.0000° M_o1.87700×10^{16}
IDC Error ellipse: s-maj=10.3km s-min=8.4km az=167.0.

(254) Panay

ISC	**XI**	**26 17 53 03.4–.87**	**10.97N–.02**	**122.32E–.03**	**32–6**	**4.6b,4.1s**	**314**	**0-169**
IDC	XI	26 17 52 57.7–.38	10.90N	122.37E	0	4.5,4.4		¶601994617
MAN	XI	26 17 52 59.7	11.02N	122.17E	4	5.6b,4.9s		
BJI	XI	26 17 53 01.2	11.10N	122.50E	10	4.8b,4.5b		
MOS	XI	26 17 53 01.1–.98	10.92N	122.42E	33	4.7b,4.5b		
GCMT	XI	26 17 53 02.8–.20	11.13N–.02	122.24E–.02	27–0	5.0W,4.5b		
NEIC	XI	26 17 53 02.8–.77	10.97N	122.41E	33–5	4.8b,4.5b		
ISCJB	XI	26 17 53 03.3–.32	11.01N–.02	122.35E–.03	46–3	4.6b,4.1s		
KLM	XI	26 17 53 07.0	10.80N	122.57E	30	5.0b,4.1s		
DJA	XI	26 17 53 09.5–.70	11N–4.0	122E–3.0	81–7	5.2b,4.9b		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c58; s83,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.15±.18 $M_{\theta\theta}$-0.09±.11; $M_{\phi\phi}$-4.06±.14; $M_{r\theta}$-1.92±.21; $M_{\theta\phi}$-1.18±.07; $M_{\phi r}$-1.02±.23; Best double couple: NP1:ϕ_s214.00000°,δ57.00000°,λ111.00000°. NP2:ϕ_s358.00000°,δ38.00000°,λ61.00000°. Principal axes: T 4.9220,Plg70.0000° ,Azm170.0000°; N -0.2730,Plg18.0000°,Azm22.0000°; P -4.6530,Plg10.0000° ,Azm289.0000° M_o4.78800×10^{16}
NEIC Event type fe. Felt [V PIVS] at Valderrama; [IV PIVS] at San Jose and Sibalom; [III PIVS] at Calinog and Iloilo.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XI**	**26 18 20 38.5–1.0**	**39.33N–.04**	**142.08E–.08**	**46–8**	**3.7b**	**40**	**0-73**
NIED	XI	26 18 20 00	39.30N	142.10E	41	3.9W		¶602390000
ISCJB	XI	26 18 20 37.6–.67	39.33N–.03	142.12E–.08	56–4	3.7b		
JMA	XI	26 18 20 38.7	39.34N	142.08E	48–1	3.9		
IDC	XI	26 18 20 40.5–2.2	39.31N	142.01E	68–19	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s161.00000°,δ47.00000°,λ-10.00000°. NP2:ϕ_s257.00000°,δ83.00000°,λ-137.00000°. M_o6.82000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.7km az=14.6.
JMA Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=13.3km az=101.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**26 21 12 01.7–1.6**	**36.17N–.04**	**141.07E–.06**	**28–11**	**3.6b**	**26**	**0-78**
IDC	XI	26 21 11 57.5–.95	36.11N	141.25E	0	3.8,3.5		¶601994652
NIED	XI	26 21 12 00	36.20N	141.10E	38	3.7W,3.5		
ISCJB	XI	26 21 12 02.1–.69	36.17N–.04	141.09E–.08	46–6	3.5b,3.5		
JMA	XI	26 21 12 03.1–.10	36.16N	141.01E	44–2	3.6,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=21.8km az=103.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ17.00000°,λ-111.00000°. NP2:ϕ_s171.00000°,δ74.00000°,λ-84.00000°. M_o4.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=7.0km az=171.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(246) Southwestern Ryukyu Islands

ISC	**XI**	**26 22 24 20.7–.54**	**24.97N–.06**	**125.31E–.04**	**43–4**	**4.4b,3.4s**	**103**	**0-165**
NIED	XI	26 22 24 00	24.80N	125.40E	38	4.2W,3.4s		¶606804555
BJI	XI	26 22 24 17.5	25.13N	125.17E	15	4.5b,4.2b		
ISCJB	XI	26 22 24 19.7–.33	25.08N–.05	125.27E–.04	40–4	4.3b,3.6s		
JMA	XI	26 22 24 20.0–.10	24.81N	125.38E	48–1	4.3,3.6s		
NEIC	XI	26 22 24 21.6–.73	25.05N	125.22E	41–6	4.6b,3.6s		
IDC	XI	26 22 24 22.2–2.3	25.15N	125.29E	47–21	4.2,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ19.00000°,λ59.00000°. NP2:ϕ_s49.00000°,δ74.00000°,λ100.00000°. M_o2.14000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.2km az=153.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=5.6km az=149.0. Felt on Miyako-jima. Recorded [3 JMA] on Miyako-jima.
IDC Error ellipse: s-maj=21.0km s-min=14.3km az=172.0.

(703) Andaman Islands region

ISC	**XI**	**26 23 13 51.2–.29**	**13.90N–.03**	**93.57E–.03**	**40–2**	**5.0b,4.0s**	**526**	**2-162**
BJI	XI	26 23 13 47.8	13.64N	93.58E	43	5.1b,5.0b		¶601994686
IDC	XI	26 23 13 50.6–.33	13.84N	93.65E	37–1	5.0L,4.8		
MOS	XI	26 23 13 50.2–.98	13.86N	93.63E	49	5.2b,4.8		
NDI	XI	26 23 13 50.4–3.1	13.91N	93.83E	54	5.1b,5.0b		
ISCJB	XI	26 23 13 50.2–.42	13.97N–.02	93.58E–.02	43–4	5.0b,4.1s		
GCMT	XI	26 23 13 52.5–.30	13.97N–.02	93.52E–.02	41–1	5.0W,4.1s		
NEIC	XI	26 23 13 52.5–.46	13.85N	93.64E	54–4	5.1b,4.1s		
DJA	XI	26 23 13 54.1–.50	14N–3.0	94E–3.0	61–5	5.1b,4.8b		
KLM	XI	26 23 14 02.0	14.17N	93.03E	58	4.8b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=10.8km s-min=9.0km az=41.0.
MOS Error ellipse: s-maj=6.4km s-min=4.0km az=115.8.
NDI Error ellipse: s-maj=16.6km s-min=25.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=21.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c42; s68,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.17±.20 $M_{\theta\theta}$0.47±.12; $M_{\phi\phi}$-2.64±.12; $M_{r\theta}$1.73±.14; $M_{\theta\phi}$1.07±.11; $M_{\phi r}$-1.09±.12; Best double couple: NP1:ϕ_s137.00000°,δ66.00000°,λ62.00000°. NP2:ϕ_s10.00000°,δ36.00000°,λ136.00000°. Principal axes: T 3.2720,Plg59.0000° ,Azm8.0000°; N 0.1680,Plg25.0000°,Azm149.0000°; P -3.4380,Plg17.0000°,Azm247.0000° M_o3.35500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.6km az=48.0. Felt at Port Blair.

(91) Virgin Islands

ISC	**XI**	**26 23 58 36.7–1.3**	**18.89N–.05**	**64.32W–.02**	**31–9**	**4.0b,3.1s**	**158**	**0-162**
IDC	XI	26 23 58 32.0–.76	18.90N	64.11W	0	4.2,4.0		¶601994696
ISCJB	XI	26 23 58 37.3–.45	18.89N–.04	64.30W–.02	47–3	3.9b,3.0s		
NEIC	XI	26 23 58 38.0–.00	18.91N	64.25W	37	3.9,3.9b		
RSPR	XI	26 23 58 38.0	18.91N	64.25W	37–2	3.9,3.9b		
TRN	XI	26 23 58 38.0	18.75N	64.35W	30	3.9,3.9b		

ISC Event type fe.

IDC Error ellipse: s-maj=16.9km s-min=15.4km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=2.4km az=14.6.
NEIC Event type fe. Felt [III] on Saint John and [II] on Saint Thomas. Also felt on Tortola. After RSPR.
RSPR Event type ke.

(40) California-Nevada border region

ISC	**XI**	**27 02 28 06.5–.84**	**37.54N–.02**	**118.85W–.02**	**10–6**		**101**	**0-5**
ISCJB	XI	27 02 28 06.9–.37	37.57N–.01	118.79W–.02	11–2			**¶602216522**
NEIC	XI	27 02 28 06.6–.00	37.53N	118.82W	6	3.1L		
NCEDC	XI	27 02 28 06.6	37.53N	118.82W	6	3.1L		
ANF	XI	27 02 28 06.2–.26	37.49N	118.86W	2–2	3.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=161.4.
NEIC Event type fe. Felt [II] at Mammoth Lakes. Also felt at June Lake and Bishop. After NCEDC.
ANF Error ellipse: s-maj=2.6km s-min=1.6km az=88.0.

(272) Seram

ISC	**XI**	**27 02 59 09.9–.61**	**2.94S–.03**	**129.23E–.03**	**35–2**	**5.5b,5.2s**	**901**	**2-170**
IDC	XI	27 02 59 04.0–.30	2.95S	129.21E	0	5.1L,5.1b		**¶601994718**
ISCJB	XI	27 02 59 07.0–.61	2.96S–.02	129.27E–.02	28–4	5.4b,5.2s		
WEL	XI	27 02 59 06.0	2.95S	129.22E	11	5.4b,5.2s		
NEIC	XI	27 02 59 06.5–.80	2.95S	129.22E	11–5	5.7W,5.6b		
BJI	XI	27 02 59 07.0	2.90S	129.20E	20	5.4b,5.2s		
MOS	XI	27 02 59 07.2–1.2	2.94S	129.20E	29	5.7b,5.1s		
NEIC	XI	27 02 59 08.0–.00	2.53S	129.14E	21	5.7b,5.1s		
DJA	XI	27 02 59 09.8–.40	3S–2.0	129E–2.0	34–4	6.2b,5.8		
GCMT	XI	27 02 59 09.5–.10	2.77S–.01	129.22E–.01	22–0	5.7W,5.8		
KLM	XI	27 02 59 12.0	2.78S	129.12E	28	5.7b,5.8		

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=137.8.
WEL manual. confirmed.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=54.0. Felt [III] at Amahai and Ambon. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.25 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.92 $M_{\phi r}$1.21 Best double couple: NP1:ϕ_s64.00000°,δ51.00000°,λ16.00000°. NP2:ϕ_s324.00000°,δ78.00000°,λ140.00000°. Principal axes: T 2.2500,Plg37.0000°,Azm276.0000°; N 0.2300,Plg49.0000°,Azm129.0000°; P -2.4800,Plg17.0000°,Azm19.0000° M_o2.40000×10^{17}
MOS Error ellipse: s-maj=8.1km s-min=4.7km az=114.6.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$0.97 $M_{r\theta}$0.56 $M_{\theta\phi}$2.21 $M_{\phi r}$2.71 Best double couple: NP1:ϕ_s333.00000°,δ68.00000°,λ140.00000°. NP2:ϕ_s80.00000°,δ54.00000°,λ28.00000°. Principal axes: T 4.5500,Plg43.0000°,Azm291.0000°; N -0.7900,Plg45.0000°,Azm128.0000°; P -3.7600,Plg8.0000°,Azm29.0000° M_o4.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c231; s131,c292; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.04 $M_{\theta\theta}$-2.37±.03; $M_{\phi\phi}$1.02±.03; $M_{r\theta}$-0.77±.06; $M_{\theta\phi}$1.88±.03; $M_{\phi r}$2.76±.10; Best double couple: NP1:ϕ_s332.00000°,δ77.00000°,λ129.00000°. NP2:ϕ_s77.00000°,δ41.00000°,λ20.00000°. Principal axes: T 4.0470,Plg44.0000°,Azm280.0000°; N -0.0850,Plg38.0000°,Azm141.0000°; P -3.9510,Plg22.0000°,Azm33.0000° M_o3.99900×10^{17}

(227) Eastern Honshu

ISC	**XI**	**27 04 36 54.1–.86**	**39.76N–.04**	**141.87E–.07**	**59–6**	**3.8b**	**32**	**0-67**
ISCJB	XI	27 04 36 53.2–.61	39.76N–.03	141.88E–.08	66–3	3.6b		**¶602390037**
JMA	XI	27 04 36 54.5	39.76N	141.85E	58–1	3.6		
IDC	XI	27 04 36 56.6–4.3	39.73N	141.80E	82–41	3.7,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.4km az=8.4.
JMA Event type fe.
IDC Error ellipse: s-maj=31.9km s-min=23.8km az=78.0.

(448) Gaspe Peninsula

ISC	**XI**	**27 07 55 56.0–1.1**	**48.81N–.03**	**67.38W–.03**	**18–4**	**3.8b**	**266**	**0-150**
IDC	XI	27 07 55 54.0–.78	48.69N	67.39W	0	4.0,3.9		**¶601994769**
ISCJB	XI	27 07 55 55.2–.42	48.75N–.02	67.43W–.03	24–4	4.1b,4.0s		
NEIC	XI	27 07 55 56.0–.00	48.82N	67.35W	17	4.2,3.6b		
OTT	XI	27 07 55 56.7–.02	48.82N	67.35W	17	4.2,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=136.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=38.7.
NEIC Event type fe. Felt at Gaspe, Matane and Saint-Adelme. Also felt at Campbellton, New Brunswick. After OTT.
OTT Event type fe. 14km east from Matane, Qc. Felt Eastern Background Seismic Zone. Felt in Matane, Gaspe, Qc.

(385) Strait of Gibraltar

ISC	**XI**	**27 08 51 35.7–.97**	**35.11N–.03**	**2.92W–.02**	**18–5**	**3.9b,3.0s**	**206**	**0-150**
IDC	XI	27 08 51 33.5–.83	35.08N	2.89W	0	4.0L,3.9		**¶601994778**
MDD	XI	27 08 51 34.5–.74	35.01N	2.87W	7–2	3.5,3.9		
CNRM	XI	27 08 51 34.7	35.02N	2.93W	10	4.2L,3.9		
IGIL	XI	27 08 51 34.5	35.00N	2.89W	6	3.3L,3.9		
SFS	XI	27 08 51 34.0	34.90N	2.80W	6	3.4L,3.9		
CRAAG	XI	27 08 51 34.0	35.00N	2.88W		3.6L,3.9		
INMG	XI	27 08 51 35.6–1.3	35.05N	2.97W	10–3	3.3L,3.9		
LDG	XI	27 08 51 36.3–.26	35.04N	2.88W	10	3.1L,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=15.9km az=121.0.
MDD Event type fe. Error ellipse: s-maj=6.4km s-min=4.8km az=24.0. EMS: II-III INTENSIDAD MAXIMA-ESPAA. PRXIMO.
SFS HASSI BERNAKE. (MARRUECOS).
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=118.0.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=179.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**27 09 55 30.7–1.4**	**38.24N–.05**	**142.14E–.09**	**53–12**	**3.5b**	**43**	**1-76**
NIED	XI	27 09 55 00	38.30N	141.90E	65	3.6W		**¶602390053**
ISCJB	XI	27 09 55 30.8–.72	38.27N–.04	142.03E–.08	67–6	3.5b		
IDC	XI	27 09 55 30.1–2.4	38.26N	142.38E	48–23	3.7,3.7		
JMA	XI	27 09 55 33.1	38.31N	141.89E	62–1	4.0,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s307.00000°,δ43.00000°,λ56.00000°. NP2:ϕ_s169.00000°,δ56.00000°,λ117.00000°. M_o3.30000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.5km az=15.9.
IDC Error ellipse: s-maj=27.1km s-min=15.2km az=109.0.
JMA Event type fe.

(385) Strait of Gibraltar

ISC	**XI**	**27 09 58 41.4–1.1**	**35.17N–.04**	**2.93W–.04**	**24–5**		**124**	**0-7**
SFS	XI	27 09 58 39.0	35.00N	2.80W	6	2.8L		**¶601994786**
IGIL	XI	27 09 58 39.7	35.00N	2.89W	0	2.8L		
CNRM	XI	27 09 58 40.8	35.06N	2.94W	10	3.8L		
MDD	XI	27 09 58 40.1–.95	35.03N	2.84W	7–3	3.1		
ISCJB	XI	27 09 58 41.0–.58	35.14N–.03	2.93W–.03	28–3	3.1		
INMG	XI	27 09 58 41.3–1.6	35.07N	2.94W	13–4	2.9L		

ISC Event type ke.
SFS KARIET ARKMANE. (MARRUECOS).
MDD Event type fe. Error ellipse: s-maj=7.8km s-min=7.4km az=89.0. EMS: II INTENSIDAD MAXIMA-ESPAA. PRXIMO.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=145.2.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=124.0.

(246) Southwestern Ryukyu Islands

ISC	**XI**	**27 11 27 41.3–1.0**	**24.8N–.10**	**125.38E–.07**	**42**	**3.7b**	**26**	**0-76**
NIED	XI	27 11 27 00	24.70N	125.40E	71	4.0W		**¶602390058**
JMA	XI	27 11 27 39.8–.10	24.74N	125.44E	47–1	3.7		
ISCJB	XI	27 11 27 40.8–.49	24.93N–.08	125.36E–.06	42	3.7b,3.0s		
IDC	XI	27 11 27 40.0–.92	25.61N	125.08E	0	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ45.00000°,λ47.00000°. NP2:ϕ_s263.00000°,δ59.00000°,λ124.00000°. M_o1.26000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.5km az=149.8.
IDC Error ellipse: s-maj=25.7km s-min=20.4km az=64.0.

(227) Eastern Honshu

ISC	**XI**	**27 11 54 20.0–1.1**	**39.49N–.05**	**140.79E–.05**	**8–10**		**13**	**0-31**
IDC	XI	27 11 54 11.6–11	39.73N	141.72E	0	3.4,3.3		**¶602390059**
ISCJB	XI	27 11 54 19.6–.64	39.48N–.05	140.78E–.06	10–6	3.4,3.3		
JMA	XI	27 11 54 19.7	39.51N	140.75E	9–1	3.3,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=133.9km s-min=42.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.2km az=139.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s104.00000°,δ89.00000°,λ-2.00000°. NP2:ϕ_s194.00000°,δ88.00000°,λ-179.00000°. Principal axes: T Plg1.0000°,Azm149.0000°; N Plg88.0000°,Azm266.0000°; P Plg2.0000°,Azm59.0000°

(308) Northern India

ISC	**XI**	**27 12 15 14.9–.30**	**30.90N–.03**	**78.40E–.03**	**10**	**4.3b,3.9s**	**266**	**1-146**
ISCJB	XI	27 12 15 13.4–.16	30.90N–.02	78.44E–.02	10	4.2b,3.9s		**¶601994813**
IDC	XI	27 12 15 13.0–.45	30.83N	78.35E	0	4.2,4.2		
BJI	XI	27 12 15 15.6	30.87N	78.40E	25	4.8b,4.8L		
NEIC	XI	27 12 15 16.9–1.3	30.90N	78.42E	23–9	4.4b,4.8L		
NDI	XI	27 12 15 16.3–2.3	30.86N	78.43E	12	4.4b,4.4L		
MOS	XI	27 12 15 17.6–1.3	30.97N	78.46E	42	4.4b,4.4L		
DMN	XI	27 12 15 17.2–.37	30.96N	78.28E	10	5.4L,4.4L		
NNC	XI	27 12 15 30.7–7.8	31.52N	78.15E	167–102	4.0b,4.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=42.7.
IDC Error ellipse: s-maj=12.2km s-min=10.8km az=40.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=216.0. Felt at Chandigarh, Dehra Dun, Mussoorie and Srinagar.
NDI Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=4.4km az=106.3.
DMN Event type ke. Error ellipse: s-maj=22.5km s-min=7.1km az=29.0.
NNC Event type se. Error ellipse: s-maj=53.7km s-min=43.5km az=123.0.

(76) Off coast of central America

ISC	**XI**	**27 15 05 30.2–1.9**	**12.31N–.05**	**88.55W–.04**	**7–11**	**4.3b**	**77**	**1-138**
ISCJB	XI	27 15 05 30.8–1.5	12.25N–.05	88.57W–.04	23–10	4.3b		**¶601994843**
NEIC	XI	27 15 05 30.5–4.7	12.25N	88.51W	9–29	4.4b,4.0		
IDC	XI	27 15 05 31.0–1.0	12.66N	88.28W	0	4.3,4.1b		
UCR	XI	27 15 05 32.3–1.1	12.33N	88.55W	27–4	4.4b,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.4km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=15.9km s-min=9.1km az=219.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=44.5km s-min=17.5km az=51.0.
UCR Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**27 15 11 08.4–1.4**	**36.75N–.04**	**141.15E–.06**	**28–9**	**3.7b**	**46**	**0-147**
NIED	XI	27 15 11 00	36.70N	141.10E	44	3.9W		**¶602390066**
ISCJB	XI	27 15 11 08.3–.69	36.72N–.03	141.14E–.06	41–6	3.8b		
JMA	XI	27 15 11 09.7–.10	36.74N	141.04E	42–1	3.8		
IDC	XI	27 15 11 10.2–2.7	36.75N	141.01E	40–24	3.8,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ36.00000°,λ-81.00000°. NP2:ϕ_s56.00000°,δ55.00000°,λ-97.00000°. M_o8.71000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.7km az=15.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=15.2km az=80.0.

(391) Albania

ISC	**XI**	**27 19 06 22.4–.89**	**40.78N–.02**	**19.69E–.02**	**24–7**	**4.3b,3.1s**	**554**	**0-78**
BEO	XI	27 19 06 19.4–.70	40.67N	19.47E	4–2	3.8L,3.1s		**¶601994871**
LDG	XI	27 19 06 20.3–.13	40.78N	19.59E	10	4.5L,3.1s		
MOS	XI	27 19 06 20.1–1.4	40.82N	19.61E	15	4.6b,3.1s		
SKO	XI	27 19 06 20.5	40.63N	19.65E	3	4.6b,3.1s		
ATH	XI	27 19 06 21.8	40.82N	19.66E	34–2	3.8L,3.1s		
TIR	XI	27 19 06 21.8	40.77N	19.77E	16	3.9,3.1s		
PDG	XI	27 19 06 21.9–.62	40.76N	19.64E	21–1	4.0,3.9L		
NEIC	XI	27 19 06 21.8–.00	40.77N	19.77E	16	4.4b,3.9W		
THE	XI	27 19 06 22.2	40.78N	19.81E	0–1	3.8L,3.9W		
IDC	XI	27 19 06 25.3–1.4	40.78N	19.71E	49–16	3.9,3.8L		

ISC Event type fe.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=34.0.
MOS Error ellipse: s-maj=4.0km s-min=3.2km az=98.5.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=294.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
NEIC Event type fe. Felt at Berat. After TIR. Moment Tensor Solution. s14 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.56 $M_{\theta\theta}$2.26 $M_{\phi\phi}$-0.70 $M_{r\theta}$3.75 $M_{\theta\phi}$-1.40 $M_{\phi r}$-6.25 Best double couple: NP1: ϕ_s79.00000°,δ16.00000°,λ-158.00000°. NP2:ϕ_s327.00000°,δ84.00000°,λ-75.00000°. Principal axes: T 7.6200,Plg37.0000°,Azm44.0000°; N 0.1200,Plg15.0000°,Azm146.0000°; P -7.7400,Plg49.0000°,Azm253.0000° M_o7.70000×10^{14}
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.3km az=307.0.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=140.0.

(460) Wyoming

ISC	**XI**	**27 19 09 36.0–1.1**	**43.52N–.07**	**105.37W–.06**	**0**		**12**	**1-9**
IDC	XI	27 19 09 33.6–2.4	43.25N	105.47W	0	3.7,3.5		**¶602390073**
ISCJB	XI	27 19 09 35.7–.70	43.53N–.06	105.34W–.09	0	3.7,3.5		
NEIC	XI	27 19 09 37.2–1.1	43.55N	105.23W	0	3.0L,3.5		

ISC Event type sm.
IDC Error ellipse: s-maj=55.6km s-min=10.3km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=9.4km s-min=9.2km az=14.2.
NEIC Event type fm. Error ellipse: s-maj=16.6km s-min=13.7km az=152.0. 85 km [53 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**XI**	**27 20 17 48.0–1.5**	**36.67N–.03**	**141.00E–.05**	**13–9**	**3.7b**	**41**	**0-147**
NIED	XI	27 20 17 00	36.60N	141.10E	8	3.7W		**¶602390076**
ISCJB	XI	27 20 17 47.4–.95	36.63N–.03	141.11E–.07	21–6	3.8s,3.7b		
JMA	XI	27 20 17 48.0	36.62N	141.05E	28–1	3.9,3.7b		
IDC	XI	27 20 17 53.4–2.4	36.63N	140.89E	56–22	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ43.00000°,λ-86.00000°. NP2:ϕ_s3.00000°,δ47.00000°,λ-94.00000°. M_o4.62000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.5km az=18.9.
JMA Event type fe.
IDC Error ellipse: s-maj=22.6km s-min=11.9km az=77.0.

(383) Northwestern Balkan Peninsula

ISC	**XI**	**28 01 49 46.0–.72**	**42.47N–.01**	**20.08E–.01**	**8–4**	**4.3b,3.9s**	**779**	**0-123**
SAR	XI	28 01 49 43.9–.53	42.39N	20.23E	3–2	4.5L,3.9s		**¶606794681**
ISCJB	XI	28 01 49 44.9–.19	42.498N–.01	20.11E–.01	9–1	4.3b,3.6s		
IDC	XI	28 01 49 44.2–.52	42.48N	19.93E	0	4.1,4.1b		
SIK	XI	28 01 49 44.7–.57	42.47N–.05	20.12E–.05	12–11	4.4L,4.1b		
TIR	XI	28 01 49 44.4	42.47N	20.11E	11	4.3,4.1b		
NEIC	XI	28 01 49 45.1–.00	42.47N	20.10E	9	4.3,4.3L		
PDG	XI	28 01 49 45.2–.64	42.48N	20.14E	3–0	4.2,4.2L		
LDG	XI	28 01 49 45.1–.18	42.54N	20.12E	10	4.5L,4.2L		
THE	XI	28 01 49 46.9	42.43N	20.26E	0–2	4.1L,4.2L		
MOS	XI	28 01 49 46.7–.91	42.48N	20.01E	27	4.4b,4.2L		
SKO	XI	28 01 49 46.1	42.46N	20.05E	0	4.3L,3.5		
BEO	XI	28 01 49 46.0–.20	42.50N	20.12E	8–2	4.1L,3.5		
PRU	XI	28 01 49 47.4–.00	42.51N	20.22E	0	4.4,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=138.3.
IDC Error ellipse: s-maj=9.8km s-min=8.0km az=51.0.
SIK Error ellipse: s-maj=17.1km s-min=8.3km az=49.0.
NEIC Event type fe. Felt at Prizren, Kosovo. After PDG. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.99 $M_{\theta\theta}$0.99 $M_{\phi\phi}$0.00 $M_{r\theta}$1.10 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s93.00000°,δ21.00000°,λ-93.00000°. NP2:ϕ_s276.00000°,δ69.00000°,λ-89.00000°. Principal axes: T 1.4900,Plg24.0000°,Azm5.0000°; N 0.0000,Plg1.0000°,Azm96.0000°; P -1.4900,Plg66.0000°,Azm188.0000° M_o1.50000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=3.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=325.0.
MOS Error ellipse: s-maj=4.1km s-min=2.6km az=104.6.
BEO Event type ke.

(111) Northern Peru

ISC	**XI**	**28 03 09 48.7–.23**	**4.60S–.03**	**76.13W–.03**	**122–1**	**5.9b**	**2143**	**3-177**
BJI	XI	28 03 09 45.0	4.50S	76.10W	110	5.8b		**¶606632429**

ARE XI 28 03 09 45.0–.00 4.68S 76.26W 143 5.8b
MOS XI 28 03 09 47.6–.99 4.47S 76.18W 119 5.9b
IDC XI 28 03 09 48.9–.30 4.54S 76.14W 121–2 5.7,5.4
GCMT XI 28 03 09 48.7–.10 4.66S–.01 76.22W–.01 126–0 5.7W,5.4
ISCJB XI 28 03 09 48.3–.31 4.47S–.01 76.17W–.02 129–2 5.8b,5.4
NEIC XI 28 03 09 48.7–.43 4.52S 76.10W 118–3 5.9b,5.8L
NEIC XI 28 03 09 49.0–.00 4.51S 75.85W 120 5.9b,5.8L
IGQ XI 28 03 09 52.2–1.4 4S–14 77W–20 12 7.4b,7.1b
ISC Event type fe.
ARE Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c234; s130,c302; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.39±.03 $M_{\theta\theta}$-0.64±.04; $M_{\phi\phi}$4.03±.04; $M_{r\theta}$-0.93±.03; $M_{\theta\phi}$-1.27±.04; $M_{\phi r}$-0.54±.04; Best double couple: NP1:ϕ_s5.00000°,δ51.00000°,λ-64.00000°. NP2:ϕ_s147.00000°,δ46.00000°,λ-118.00000°. Principal axes: T 4.3640,Plg2.0000°,Azm76.0000°; N -0.5890,Plg20.0000°,Azm167.0000°; P -3.7790,Plg70.0000°,Azm340.0000° $M_0$4.07200×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Lagunas, Moyobamba and Yurimaguas. Felt at Cruzeiro do Sul, Brazil and at Cuenca and Malacatos, Ecuador. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.95 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$4.08 $M_{r\theta}$-1.04 $M_{\theta\phi}$-1.21 $M_{\phi r}$-0.50 Best double couple: NP1:ϕ_s1.00000°,δ49.00000°,λ-68.00000°. NP2:ϕ_s149.00000°,δ46.00000°,λ-113.00000°. Principal axes: T 4.4000,Plg2.0000°,Azm75.0000°; N -0.1100,Plg16.0000°,Azm166.0000°; P -4.2900,Plg74.0000°,Azm340.0000° $M_0$4.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$3.23 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.48 Best double couple: NP1:ϕ_s3.00000°,δ50.00000°,λ-65.00000°. NP2:ϕ_s148.00000°,δ46.00000°,λ-116.00000°. Principal axes: T 3.4500,Plg1.0000°,Azm76.0000°; N 0.1300,Plg18.0000°,Azm167.0000°; P -3.5800,Plg71.0000°,Azm340.0000° $M_0$3.50000×10^{17}

(320) Kyrgyzstan-Xinjiang border region

ISC	**XI**	**28 05 30 08.5–.66**	**41.75N–.02**	**77.69E–.02**	**17–4**	**4.7b,3.6s**	**444**	**1-156**
IDC	XI	28 05 30 05.4–.45	41.66N	77.76E	0	4.5,4.3		**¶601994967**
MOS	XI	28 05 30 06.9–1.2	41.72N	77.86E	17	4.9b,4.3		
ISCJB	XI	28 05 30 07.9–.56	41.66N–.01	77.87E–.02	27–4	4.6b,3.6s		
KRNET	XI	28 05 30 07.5–.10	41.77N	77.77E	22	4.9b,3.6s		
NNC	XI	28 05 30 08.1–.62	41.80N	77.73E	0	5.0b,4.7		
NEIC	XI	28 05 30 08.1–1.1	41.71N	77.79E	15–6	4.7b,4.7		
SOME	XI	28 05 30 09.1	41.90N	77.70E	15	4.7b,4.7		
BJI	XI	28 05 30 09.1	41.82N	77.77E	32	4.5b,4.5L		
KNET	XI	28 05 30 09.2–1.1	41.86N	77.60E	1–2	4.8L,4.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=9.1km az=10.0.
MOS Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=131.8. Felt (II-III) at Almaty. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=42.8.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=171.0. Felt at Chong-Kyzylsu. Felt [II] at Almaty, Kazakhstan.
KNET Error ellipse: s-maj=8.6km s-min=4.8km az=27.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**28 07 48 14.9–.95**	**39.16N–.04**	**142.32E–.07**	**33–4**	**3.8b**	**28**	**1-63**
NIED	XI	28 07 48 00	39.20N	142.40E	44	3.9W		**¶602390096**
ISCJB	XI	28 07 48 14.2–1.1	39.17N–.05	142.4E–.10	47–11	3.6b		
JMA	XI	28 07 48 14.3–.10	39.21N	142.39E	31–1	3.8		
IDC	XI	28 07 48 15.0–.85	39.10N	142.44E	37–7	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ25.00000°,λ-167.00000°. NP2:ϕ_s171.00000°,δ84.00000°,λ-65.00000°. $M_0$7.33000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.1km s-min=7.0km az=15.3.
JMA Event type fe.
IDC Error ellipse: s-maj=30.4km s-min=16.6km az=98.0.

(280) Banda Sea

ISC	**XI**	**28 08 56 18.2–.24**	**5.34S–.03**	**131.17E–.03**	**71–1**	**5.8b**	**1472**	**1-167**
BJI	XI	28 08 56 11.8	5.76S	131.33E	58	5.8b,5.8b		**¶601994987**
MOS	XI	28 08 56 13.9–1.1	5.33S	131.09E	42	6.1b,4.9s		
ISCJB	XI	28 08 56 14.8–.38	5.40S–.02	131.11E–.02	55–3	5.7b,5.0s		
NEIC	XI	28 08 56 16.2–.39	5.40S	131.13E	50–3	5.9b,5.6W		
DJA	XI	28 08 56 17.3–.20	5S–2.0	131E–1.0	78–2	6.5,6.2b		
GCMT	XI	28 08 56 17.5–.10	5.33S–.01	131.17E–.01	70–0	5.7W,6.2b		
NEIC	XI	28 08 56 17.0–.00	5.30S	131.11E	70	5.7W,6.2b		
IDC	XI	28 08 56 19.5–.39	5.36S	131.14E	79–3	5.6,5.2		

ISC Event type fe.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=110.6.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=155.1.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=59.0. Felt [II] at Kaimana and Tual, Indonesia. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$1.63 $M_{r\theta}$0.39 $M_{\theta\phi}$1.42 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s67.00000°,δ69.00000°,λ25.00000°. NP2:ϕ_s327.00000°,δ67.00000°,λ157.00000°. Principal axes: T 2.7700,Plg32.0000°,Azm287.0000°; N 0.2800,Plg58.0000°,Azm105.0000°; P -3.0400,Plg1.0000°,Azm197.0000° $M_0$2.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c238; s126,c272; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.04 $M_{\theta\theta}$-4.03±.04; $M_{\phi\phi}$2.13±.04; $M_{r\theta}$-0.08±.05; $M_{\theta\phi}$-1.23±.04; $M_{\phi r}$1.68±.04; Best double couple: NP1:ϕ_s42.00000°,δ64.00000°,λ33.00000°. NP2:ϕ_s296.00000°,δ60.00000°,λ150.00000°. Principal axes: T 3.8180,Plg41.0000°,Azm261.0000°; N 0.4580,Plg49.0000°,Azm76.0000°; P -4.2760,Plg2.0000°,Azm169.0000° $M_0$4.04700×10^{17}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-3.06 $M_{\phi\phi}$1.09 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.23 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s46.00000°,δ67.00000°,λ54.00000°. NP2:ϕ_s287.00000°,δ42.00000°,λ144.00000°. Principal axes: T 3.0900,Plg53.0000°,Azm271.0000°; N 0.6400,Plg32.0000°,Azm62.0000°; P -3.7300,Plg14.0000°,Azm161.0000° $M_0$3.50000×10^{17}
IDC Error ellipse: s-maj=11.6km s-min=7.4km az=67.0.

(249) Luzon

ISC	**XI**	**28 10 22 02.8–.53**	**19.06N–.03**	**121.08E–.04**	**22–3**	**4.8b,4.2s**	**277**	**1-173**
NEIC	XI	28 10 22 02.4–1.4	18.95N	121.22E	24–10	4.9b,4.2s		**¶601995001**
IDC	XI	28 10 22 03.8–4.2	19.01N	121.26E	33–31	4.5,4.3		
BJI	XI	28 10 22 03.7	19.39N	120.95E	12	4.9b,4.6b		
ISCJB	XI	28 10 22 05.0–.39	19.13N–.02	121.24E–.03	55–4	4.6b,4.2s		
MOS	XI	28 10 22 04.8–1.1	19.06N	121.29E	60	5.0b,4.2s		
GCMT	XI	28 10 22 04.4–.30	19.20N–.02	120.94E–.02	39–0	5.1W,4.2s		
MAN	XI	28 10 22 05.3	19.08N	121.23E	21	5.6b,5.0s		
KLM	XI	28 10 22 06.0	19.01N	120.96E	33	4.9b,5.0s		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=109.0. Felt [III PIVS] at Claveria and Sanchez-Mira and [II PIVS] at Aparri.
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=1.7.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=106.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c68; s71,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.89±.29 $M_{\theta\theta}$-0.45±.20; $M_{\phi\phi}$-5.44±.21; $M_{r\theta}$-1.05±.15; $M_{\theta\phi}$-2.64±.10; $M_{\phi r}$-1.10±.15; Best double couple: NP1:ϕ_s209.00000°,δ52.00000°,λ97.00000°. NP2:ϕ_s18.00000°,δ39.00000°,λ81.00000°. Principal axes: T 6.1020,Plg82.0000°,Azm154.0000°; N 0.6400,Plg5.0000°,Azm24.0000°; P -6.7380,Plg6.0000°,Azm294.0000° $M_0$6.42000×10^{16}

(224) Hokkaido region

ISC	**XI**	**28 10 23 04.7–1.6**	**41.52N–.04**	**143.05E–.05**	**17–11**	**4.2b**	**46**	**1-65**
NIED	XI	28 10 23 00	41.60N	143.00E	29	3.8W		**¶602390110**
IDC	XI	28 10 23 02.8–1.2	41.44N	143.57E	0	3.9,3.8L		
NEIC	XI	28 10 23 05.5–1.8	41.55N	143.39E	22–14	4.3b,3.8L		
JMA	XI	28 10 23 06.4–.20	41.62N	143.00E	29–2	3.9,3.8L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ67.00000°,λ0.00000°. NP2:ϕ_s179.00000°,δ90.00000°,λ157.00000°. $M_0$6.18000×10^{14}
IDC Error ellipse: s-maj=42.0km s-min=21.3km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=6.9km az=116.0. Recorded [2 JMA] in southern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

(227) Eastern Honshu

JMA	**XI**	**28 12 58 11.4**	**35.77N**	**137.56E**	**10–1**	**3.2**		
								¶606065368

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s261.00000°,δ87.00000°,λ-160.00000°. NP2:ϕ_s170.00000°,δ70.00000°,λ-3.00000°. Principal axes: T Plg12.0000°,Azm34.0000°; N Plg70.0000°,Azm269.0000°; P Plg16.0000°,Azm127.0000°

(212) Bonin Islands region

ISC	**XI**	**28 15 07 42.4–.52**	**27.34N–.03**	**143.23E–.04**	**44–4**	**5.0b,4.0s**	**587**	**1-150**
NIED	XI	28 15 07 00	27.40N	143.00E	5	4.8W,4.0s		**¶601995053**
ISCJB	XI	28 15 07 36.6–.93	27.25N–.02	143.25E–.03	15–6	5.0b,4.0s		
IDC	XI	28 15 07 36.4–.41	27.21N	143.25E	0	4.8,4.8		
MOS	XI	28 15 07 38.1–.92	27.23N	143.29E	24	5.3b,4.8		
BJI	XI	28 15 07 42.9	27.28N	142.98E	55	5.1b,5.0b		
NEIC	XI	28 15 07 43.1–.68	27.24N	143.19E	54–6	5.1b,5.0b		
JMA	XI	28 15 07 44.3–.10	27.35N	142.98E	81	5.3,5.0b		
GCMT	XI	28 15 07 45.1–.30	27.41N–.02	143.16E–.02	38–1	5.0W,5.0b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ30.00000°,λ99.00000°. NP2:ϕ_s356.00000°,δ61.00000°,λ85.00000°. $M_0$1.69000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in the Chichijima-retto.
JMA Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c42; s77,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.85±.17 $M_{\theta\theta}$0.20±.12; $M_{\phi\phi}$-2.05±.12; $M_{r\theta}$-0.67±.11; $M_{\theta\phi}$-1.77±.07; $M_{\phi r}$2.09±.12; Best double couple: NP1:ϕ_s358.00000°,δ69.00000°,λ56.00000°. NP2:ϕ_s241.00000°,δ39.00000°,λ146.00000°. Principal axes: T 3.3640,Plg53.0000°,Azm227.0000°; N 0.1300,Plg32.0000°,Azm11.0000°; P -3.4970,Plg17.0000°,Azm113.0000° $M_0$3.43100×10^{16}

(460) Wyoming

ISC	**XI**	**28 20 25 16.9–1.3**	**43.64N–.08**	**105.08W–.06**	**0**		**12**	**1-9**
NEIC	XI	28 20 25 13.9–.69	43.15N	104.98W	0	3.2L		**¶602390133**
IDC	XI	28 20 25 14.4–3.0	42.92N	105.03W	0	3.5,3.3		

ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=10.2km s-min=8.3km az=52.0. 54 km [34 miles] NE of Douglas. Suspected Mining explosion.
IDC Error ellipse: s-maj=60.3km s-min=10.7km az=161.0.

(460) Wyoming

ISC	**XI**	**28 20 48 05.7–.95**	**43.60N–.04**	**105.20W–.04**	**0**		**23**	**1-9**
ISCJB	XI	28 20 48 04.8–.50	43.65N–.04	105.14W–.06	0			**¶602390134**
IDC	XI	28 20 48 04.5–2.6	43.32N	105.21W	0	3.4,3.3		
ANF	XI	28 20 48 05.1–.77	43.58N	105.21W		3.1L,3.3		
NEIC	XI	28 20 48 06.0–.69	43.65N	105.08W	0	3.0L,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.6km s-min=4.7km az=35.7.
IDC Error ellipse: s-maj=56.9km s-min=9.4km az=155.0.
ANF Error ellipse: s-maj=16.9km s-min=6.3km az=139.0.
NEIC Event type fm. Error ellipse: s-maj=10.4km s-min=9.5km az=162.0. 74 km [46 miles] WSW of Newcastle. Suspected Mining explosion.

(460) Wyoming

ISC	**XI**	**28 21 31 11.1–.66**	**43.62N–.04**	**105.24W–.03**	**0**	**3.1s**	**39**	**1-90**
ISCJB	XI	28 21 31 10.3–.45	43.67N–.04	105.19W–.05	0	3.7b,3.0s		**¶602390135**
IDC	XI	28 21 31 10.8–1.6	43.58N	105.37W	0	3.8b,3.7		
NEIC	XI	28 21 31 11.8–.74	43.71N	105.18W	0	2.8,3.7		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.0km az=30.5.
IDC Error ellipse: s-maj=41.0km s-min=9.7km az=151.0.
NEIC Event type fm. Error ellipse: s-maj=12.8km s-min=8.7km az=173.0. 70 km [43 miles] SSE of Gillette. Suspected Mining explosion.

(396) Northern Algeria

ISC	**XI**	**28 23 15 28.5–.25**	**36.80N–.03**	**5.27E–.02**	**10**	**5.0b,4.5s**	**781**	**1-144**
BJI	XI	28 23 15 25.7	36.80N	5.40E	10	5.0b,4.9s		**¶601995133**
IDC	XI	28 23 15 26.3–.45	36.76N	5.08E	0	4.5,4.4		
CRAAG	XI	28 23 15 26.3	36.74N	5.15E		5.1L,4.4		
ISCJB	XI	28 23 15 26.7–.13	36.87N–.02	5.16E–.01	10	4.8b,4.4s		
LDG	XI	28 23 15 27.4–.20	36.88N	5.12E	10	4.4L,4.4s		
IGIL	XI	28 23 15 28.2	36.84N	5.19E	10	4.0s,4.4s		
MDD	XI	28 23 15 28.8–1.1	36.80N	5.25E	10–11	5.2b,4.4s		
GCMT	XI	28 23 15 28.8–.20	36.71N–.01	5.10E–.01	12	5.0W,4.4s		
MOS	XI	28 23 15 29.8–3.3	36.90N	5.30E	10	4.9b,4.4s		
NEIC	XI	28 23 15 29.8–.26	36.94N	5.31E	10	5.0b,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=10.6km s-min=10.3km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=177.7.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=159.0.
MDD Error ellipse: s-maj=5.6km s-min=4.7km az=159.0. PRXIMO.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c56; s100,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.65±.08 $M_{\theta\theta}$-3.06±.07; $M_{\phi\phi}$2.42±.08; $M_{r\theta}$-1.61±.21; $M_{\theta\phi}$1.65±.07; $M_{\phi r}$0.26±.21; Best double couple: NP1:ϕ_s60.00000°,δ81.00000°,λ-18.00000°. NP2:ϕ_s152.00000°,δ73.00000°,λ-170.00000°. Principal axes: T 2.8960,Plg6.0000°,Azm107.0000°; N 1.1840,Plg70.0000°,Azm213.0000°; P -4.0760,Plg19.0000°,Azm15.0000° $M_0$3.48600×10^{16}
MOS Error ellipse: s-maj=5.5km s-min=2.6km az=78.8.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=7.0. Felt [V] at Bejaia and [II] at Jijel. Also felt at Algiers, Azazga and Skikda.

(396) Northern Algeria

ISC	**XI**	**28 23 50 47.6–.38**	**36.85N–.04**	**5.16E–.04**	**10**	**4.3b,3.4s**	**292**	**1-134**
LDG	XI	28 23 50 46.7–.17	36.84N	5.06E	10	4.1L,3.4s		**¶601995138**
CRAAG	XI	28 23 50 46.9	36.76N	5.19E		4.2L,3.4s		
ISCJB	XI	28 23 50 46.4–.19	36.97N–.02	5.14E–.02	10	4.2b,3.4s		
NEIC	XI	28 23 50 47.7–.30	36.79N	5.20E	10	4.5b,3.4s		
MDD	XI	28 23 50 50.4–.31	36.75N	5.26E	35	4.9b,3.4s		
IDC	XI	28 23 50 50.9–3.1	36.72N	5.10E	33–24	4.1,4.0		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=5.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=9.1.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=33.0. Felt at Jijel.
MDD Error ellipse: s-maj=5.0km s-min=3.8km az=45.0. PRXIMO.
IDC Error ellipse: s-maj=13.3km s-min=11.7km az=27.0.

(139) Mendoza Province

ISC	**XI**	**29 00 09 39.7–.69**	**32.89S–.02**	**69.08W–.02**	**10–4**	**5.0b**	**292**	**0-165**
SJA	XI	29 00 09 38.8–1.2	32.91S	69.11W	8–4	4.6W,4.3L		**¶601995141**
IDC	XI	29 00 09 38.1–.56	32.81S	68.80W	0	4.5,4.4		
NEIC	XI	29 00 09 39.0–.00	32.91S	69.11W	8	5.0b,4.6		
ISCJB	XI	29 00 09 41.0–.37	32.86S–.03	68.97W–.04	33–3	4.8b,3.9s		
GUC	XI	29 00 09 40.8–.77	32.88S	69.12W	15–12	4.4L,3.9s		

ISC Event type fe.
SJA Error ellipse: s-maj=3.0km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=13.0km az=87.0.
NEIC Event type fe. Felt [IV] at Mendoza and in the epicentral area. Also felt at San Martin. After SJA.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=32.0.
GUC Error ellipse: s-maj=3.5km s-min=8.0km az=-1.0.

(139) Mendoza Province

ISC	**XI**	**29 00 49 01.8–.89**	**32.91S–.03**	**69.06W–.03**	**11–6**	**3.9b**	**46**	**0-154**
IDC	XI	29 00 49 00.2–1.1	32.91S	69.07W	0	4.1b,4.0		**¶602083455**
ISCJB	XI	29 00 49 01.9–.44	32.93S–.03	68.97W–.04	18–4	4.2s,4.0b		
SJA	XI	29 00 49 01.2–.63	32.87S	69.09W	9–2	4.1W,3.9L		
NEIC	XI	29 00 49 01.0–.00	32.87S	69.09W	9	4.1,3.8L		
GUC	XI	29 00 49 03.0–.72	32.90S	69.10W	15–9	3.8L,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=38.5km s-min=17.1km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=42.6.
SJA Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza and in the epicentral area. After SJA.
GUC Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0.

(243) Taiwan region

ISC	**XI**	**29 03 12 52.7–.53**	**22.69N–.03**	**121.27E–.03**	**95–4**	**4.4b**	**325**	**0-147**
NIED	XI	29 03 12 00	22.60N	121.30E	86	4.3W		**¶601995166**
BJI	XI	29 03 12 50.6	22.73N	121.31E	70	4.5b,4.4b		

ISCJB	XI	29 03 12 51.9–.19	22.68N–.02	121.26E–.02	98–1	4.2b,4.4b			
NEIC	XI	29 03 12 51.8–.57	22.57N	121.40E	91–4	5.0L,4.5b			
JMA	XI	29 03 12 51.8–.20	22.64N	121.31E	87–3	4.4,4.5b			
TAP	XI	29 03 12 52.8	22.69N	121.29E	88–0	5.0L,4.5b			
ASIES	XI	29 03 12 53.8	22.68N	121.33E	88	4.0W,4.5b			
IDC	XI	29 03 12 56.5–3.5	22.63N	121.37E	134–32	4.2,3.9			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ20.00000°,λ142.00000°. NP2:ϕ_s115.00000°,δ78.00000°,λ74.00000°. $M_0$3.26000×10^{15}							
ISCJB		Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=40.8.							
NEIC		Event type fe. Error ellipse: s-maj=7.5km s-min=6.5km az=169.0. Recorded [2 TAP] in Pingtung and Taitung; [1 TAP] in Changhua, Chiayi, Penghu and Yunlin.							
JMA		Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.							
TAP		B.							
IDC		Error ellipse: s-maj=15.3km s-min=12.0km az=74.0.							
		(228) Near east coast of eastern Honshu							
ISC	**XI**	**29 12 36 08.3–1.2**	**38.38N–.04**	**141.33E–.06**	**72–8**		**30**	**0-58**	
IDC	XI	29 12 35 52.9–2.3	39.02N	142.32E	0	3.8,3.7		**¶602390162**	
ISCJB	XI	29 12 36 08.6–.91	38.38N–.03	141.31E–.06	71–6	3.5b,3.7			
JMA	XI	29 12 36 08.9	38.39N	141.27E	70–1	3.2,3.7			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=82.4km s-min=30.8km az=133.0.							
ISCJB		Event type fe. Error ellipse: s-maj=8.5km s-min=5.4km az=14.0.							
JMA		Event type fe.							
		(224) Hokkaido region							
ISC	**XI**	**29 12 53 06.4–1.3**	**41.77N–.04**	**142.71E–.04**	**13–8**	**3.7b**	**55**	**0-86**	
NIED	XI	29 12 53 00	41.70N	142.80E	26	4.0W		**¶602063206**	
JMA	XI	29 12 53 08.2–.10	41.72N	142.80E	35–2	3.9			
NEIC	XI	29 12 53 09.5–.41	41.75N	142.74E	35	4.4b			
IDC	XI	29 12 53 11.9–2.2	41.72N	142.69E	55–20	4.1L,3.7			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ39.00000°,λ-93.00000°. NP2:ϕ_s260.00000°,δ52.00000°,λ-88.00000°. $M_0$1.17000×10^{15}							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.							
NEIC		Event type se. Error ellipse: s-maj=10.2km s-min=6.2km az=121.0.							
IDC		Error ellipse: s-maj=20.0km s-min=12.4km az=115.0.							
		(228) Near east coast of eastern Honshu							
JMA	**XI**	**29 17 10 39.5**	**36.56N**	**140.84E**	**13–1**	**3.6**			
NIED	XI	29 17 10 00	36.60N	140.90E	5	3.4W		**¶603709774**	
JMA		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s350.00000°,δ16.00000°,λ-66.00000°. NP2:ϕ_s146.00000°,δ75.00000°,λ-97.00000°. $M_0$1.49000×10^{14}							
		(456) Montana							
ISC	**XI**	**29 22 48 31.9–1.4**	**45.1N–.10**	**106.42W–.10**	**0**		**7**	**2-9**	
ISCJB	XI	29 22 48 30.8–1.4	45.2N–.10	106.4W–.10	0			**¶602390199**	
NEIC	XI	29 22 48 32.3–1.6	45.09N	106.37W	0	2.7L			
IDC	XI	29 22 48 36.0–1.3	45.10N	106.00W	0	3.3,3.2			
ISC		Event type sm.							
ISCJB		Event type fm. Error ellipse: s-maj=23.3km s-min=9.8km az=154.0.							
NEIC		Event type fm. Error ellipse: s-maj=29.4km s-min=12.6km az=135.0. 56 km [35 miles] NE of Sheridan. Suspected Mining explosion.							
IDC		Error ellipse: s-maj=173.2km s-min=9.6km az=139.0.							
		(5) Near Islands							
ISC	**XI**	**29 23 22 35.4–.47**	**52.57N–.05**	**172.37E–.03**	**31–2**	**5.0b,4.5s**	**1083**	**1-162**	
IDC	XI	29 23 22 30.8–.46	52.65N	172.52E	0	4.9,4.9		**¶601995317**	
ISCJB	XI	29 23 22 33.6–.59	52.60N–.03	172.44E–.02	32–4	5.0b,4.4s			
BJI	XI	29 23 22 33.3	53.06N	172.45E	31	5.3b,5.2b			
KRSC	XI	29 23 22 33.6–2.7	52.45N	172.25E	81–36	5.6L,5.2b			
MOS	XI	29 23 22 34.1–.91	52.58N	172.37E	34	5.2b,4.5s			
AEIC	XI	29 23 22 35.2–.00	53.18N	172.76E	10	5.2b,4.5s			
NEIC	XI	29 23 22 36.5–.30	52.64N	172.42E	37–2	5.0b,4.5L			
GCMT	XI	29 23 22 37.5–.20	52.68N–.02	172.50E–.02	36–1	5.1W,4.5L			
ISC		Event type fe.							
ISCJB		Event type fe.							
KRSC		Event type se.							
AEIC		Event type se.							
NEIC		Event type fe. Felt on Shemya.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c80; s101,c157;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.17±.15 $M_{\theta\theta}$-3.77±.12; $M_{\phi\phi}$1.60±.11; $M_{r\theta}$3.76±.22; $M_{\theta\phi}$-0.46±.08; $M_{\phi r}$3.45±.20; Best double couple: NP1:ϕ_s53.00000°,δ78.00000°,λ66.00000°. NP2:ϕ_s299.00000°,δ27.00000°,λ153.00000°. Principal axes: T 6.0390,Plg51.0000° ,Azm295.0000°; N 0.0840,Plg24.0000°,Azm58.0000°; P -6.1240,Plg29.0000°,Azm162.0000° $M_0$6.08100×10^{16}							
		(228) Near east coast of eastern Honshu							
ISC	**XI**	**30 06 41 32.7–2.1**	**38.02N–.04**	**142.61E–.05**	**9–12**	**4.2b**	**100**	**1-146**	
NIED	XI	30 06 41 00	38.00N	142.80E	17	4.0W		**¶602042750**	
IDC	XI	30 06 41 30.7–.65	37.94N	142.80E	0	4.2,4.1			
ISCJB	XI	30 06 41 32.7–1.0	38.03N–.03	142.68E–.04	22–7	4.1b,3.9s			
JMA	XI	30 06 41 32.4–.10	38.04N	142.70E	30–2	4.3,3.9s			
NEIC	XI	30 06 41 36.6–.58	37.97N	142.69E	39–5	4.3b,3.9s			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ15.00000°,λ-174.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ-76.00000°. $M_0$9.45000×10^{14}							
IDC		Error ellipse: s-maj=16.7km s-min=12.9km az=139.0.							
ISCJB		Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=42.2.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
NEIC		Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=134.0. Recorded [1 JMA] in Miyagi.							
		(76) Off coast of central America							
ISC	**XI**	**30 08 26 23.1–1.9**	**12.49N–.06**	**88.77W–.05**	**16–11**	**3.9b**	**59**	**1-148**	
IDC	XI	30 08 26 20.8–1.1	12.89N	88.21W	0	3.9,3.7		**¶601995410**	
ISCJB	XI	30 08 26 21.7–1.1	12.39N–.04	88.82W–.04	15–7	3.8b,3.7			
UCR	XI	30 08 26 23.7–1.7	12.50N	88.79W	19–5	4.2b,3.9L			
NEIC	XI	30 08 26 24.0–.00	12.55N	88.80W	19	4.2b,4.0			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=77.9km s-min=16.1km az=50.0.							
ISCJB		Event type fe. Error ellipse: s-maj=8.8km s-min=4.0km az=35.7.							
UCR		Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.							
NEIC		Event type fe. Felt [I] at San Salvador. After SNET.							
		(173) Tonga Islands							
ISC	**XI**	**30 11 20 38.4–.37**	**18.96S–.04**	**175.51W–.04**	**203–3**	**5.1b**	**1141**	**5-174**	
MOS	XI	30 11 20 35.9–.99	18.73S	175.59W	184	5.2b		**¶601995437**	
ISCJB	XI	30 11 20 36.5–.56	18.81S–.02	175.60W–.02	192–5	5.1b			
BJI	XI	30 11 20 36.9	18.31S	175.56W	182	5.5b,5.4b			
NEIC	XI	30 11 20 38.4–.54	18.82S	175.60W	200–5	5.7W,5.1b			
IDC	XI	30 11 20 40.8–.52	18.93S	175.54W	225–4	5.6,5.1			
GCMT	XI	30 11 20 44.4–.10	18.87S–.01	175.15W–.01	233–0	5.6W,5.1			
WEL	XI	30 11 20 46.7–1.3	20S–14	175W–52	232–9	5.6W,5.1			
ISC		Event type fe.							
ISCJB		Event type fe.							
NEIC		Event type fe. Felt at Neiafu. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.82 $M_{\theta\theta}$1.11 $M_{\phi\phi}$1.71 $M_{r\theta}$-1.60 $M_{\theta\phi}$1.29 $M_{\phi r}$-1.98 Best double couple: NP1:ϕ_s39.00000° ,δ66.00000°,λ-90.00000°. NP2:ϕ_s218.00000°,δ24.00000°,λ-91.00000°. Principal axes: T 3.7300,Plg21.0000°,Azm129.0000°; N 0.0800,Plg0.0000°,Azm219.0000° ; P -3.8100,Plg69.0000°,Azm309.0000° $M_0$3.80000×10^{17}							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c217; s132,c317; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32±.03 $M_{\theta\theta}$1.14±.04; $M_{\phi\phi}$0.17±.04; $M_{r\theta}$-1.44±.03; $M_{\theta\phi}$1.18±.04; $M_{\phi r}$-2.74±.03; Best double couple: NP1:ϕ_s30.00000°,δ78.00000° ,λ-106.00000°. NP2:ϕ_s265.00000°,δ20.00000°,λ-37.00000°. Principal axes: T 3.6120,Plg31.0000°,Azm134.0000°; N -0.1560,Plg16.0000°,Azm34.0000° ; P -3.4570,Plg54.0000°,Azm280.0000° $M_0$3.53400×10^{17}							
WEL		smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.							
		(2) Southern Alaska							
ISC	**XI**	**30 14 27 04.7–.51**	**61.38N–.03**	**151.53W–.03**	**91–4**	**4.0b**	**156**	**0-83**	
ISCJB	XI	30 14 27 03.0–.17	61.37N–.02	151.48W–.04	94–2	3.9b		**¶601995456**	
IDC	XI	30 14 27 04.7–.65	61.39N	151.74W	92–6	4.0,3.9			
NEIC	XI	30 14 27 05.3–.00	61.35N	151.50W	80	4.1W,4.0L			
ISC		Event type fe.							
ISCJB		Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=45.0.							
IDC		Error ellipse: s-maj=11.8km s-min=10.3km az=84.0.							
NEIC		Event type fe. Felt at Anchorage, Eagle River, Girdwood and Willow. After AEIC. Moment Tensor Solution. s17 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.27 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.57 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.44 Best double couple: NP1:ϕ_s32.00000°,δ13.00000°,λ-25.00000°. NP2: ϕ_s146.00000°,δ85.00000°,λ-102.00000°. Principal axes: T 1.8600,Plg39.0000° ,Azm247.0000°; N -0.1200,Plg12.0000°,Azm147.0000°; P -1.7400,Plg49.0000° ,Azm44.0000° $M_0$1.80000×10^{15}							
		(221) Kuril Islands							
ISC	**XI**	**30 17 18 51.1–.63**	**43.75N–.05**	**147.34E–.04**	**52–4**	**4.8b,3.4s**	**351**	**0-152**	
NIED	XI	30 17 18 00	43.60N	147.20E	53	4.4W,3.4s		**¶601995477**	
BJI	XI	30 17 18 48.7	44.11N	147.65E	64	5.0b,4.7b			
MOS	XI	30 17 18 50.2–1.1	43.79N	147.32E	56	5.0b,4.7b			
ISCJB	XI	30 17 18 50.5–.39	43.78N–.03	147.30E–.03	57–3	4.7b,3.5s			
JMA	XI	30 17 18 51.2–.20	43.62N	147.25E	34	4.4,3.5s			
SKHL	XI	30 17 18 51.3–1.0	43.69N	147.30E	61–1	5.5b,3.5s			
IDC	XI	30 17 18 51.8–2.1	43.82N	147.32E	55–18	4.3,4.2			
NEIC	XI	30 17 18 52.2–.47	43.81N	147.28E	58–4	4.9b,4.2			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ64.00000°,λ155.00000°. NP2:ϕ_s158.00000°,δ68.00000°,λ28.00000°. $M_0$4.36000×10^{15}							
MOS		Event type fe. Error ellipse: s-maj=6.8km s-min=5.5km az=104.4. Felt (IV) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.							
ISCJB		Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=145.8.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.							
SKHL		Event type fe. Felt (IV) at Malokuril'skoe, (II) at Yushno-Kuril'sk.							
IDC		Error ellipse: s-maj=16.1km s-min=11.1km az=145.0.							
NEIC		Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=149.0. Recorded [1 JMA] in eastern Hokkaido.							
		(311) Sikkim							
ISC	**XI**	**30 19 39 28.7–.35**	**27.23N–.04**	**88.28E–.02**	**10**	**4.6b,3.8s**	**254**	**0-89**	
IDC	XI	30 19 39 26.7–.71	27.25N	88.21E	0	4.2,4.1		**¶601995494**	
ISCJB	XI	30 19 39 26.8–.17	27.24N–.02	88.24E–.02	10	4.4b,3.8s			
BJI	XI	30 19 39 28.2	27.42N	88.32E	10	4.7b,4.3b			
NDI	XI	30 19 39 29.9–34	27.27N	88.21E	17–182	4.7b,4.6L			
MOS	XI	30 19 39 29.1–1.1	27.25N	88.26E	26	4.8b,4.6L			
DMN	XI	30 19 39 29.8–.32	27.06N	88.58E	60	5.1L,4.6L			
NEIC	XI	30 19 39 30.6–1.5	27.22N	88.20E	25–11	4.7b,4.6L			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=19.9km s-min=13.1km az=35.0.							
ISCJB		Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=17.8.							
NDI		Error ellipse: s-maj=110.6km s-min=59.7km az=-1.0.							
MOS		Error ellipse: s-maj=8.8km s-min=4.8km az=122.9.							
DMN		Event type ke. Error ellipse: s-maj=15.9km s-min=6.3km az=16.0.							
NEIC		Event type fe. Error ellipse: s-maj=6.4km s-min=3.7km az=222.0. Felt at Gangtok, Gezing, Naya Bazar and Shiliguri.							
		(76) Off coast of central America							
ISC	**XI**	**30 20 02 47.5–1.4**	**12.78N–.09**	**88.18W–.05**	**70–13**		**50**	**1-7**	
ISCJB	XI	30 20 02 46.6–.56	12.81N–.09	88.17W–.04	81–9			**¶602311704**	
UCR	XI	30 20 02 47.1–1.2	12.77N	88.20W	65–9	4.2L			
NEIC	XI	30 20 02 47.0–.00	12.74N	88.21W	54	4.2			
ISC		Event type fe.							
ISCJB		Event type fe. Error ellipse: s-maj=15.7km s-min=3.8km az=24.0.							
UCR		Error ellipse: s-maj=7.6km s-min=3.4km az=-1.0.							
NEIC		Event type fe. Felt [I] at Usulutan. After SNET.							
		(246) Southwestern Ryukyu Islands							
JMA	**XII**	**01 03 58 35.9–.10**	**25.02N**	**125.33E**	**61–1**	**3.8**		**¶606066267**	
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.							
		(12) Alaska Peninsula							
ISC	**XII**	**01 08 00 56.7–.23**	**58.54N–.03**	**154.30W–.02**	**93–1**	**5.6b**	**2265**	**0-162**	
BJI	XII	01 08 00 55.6	58.69N	154.83W	95	5.6b,5.5b		**¶601995587**	
MOS	XII	01 08 00 55.4–.83	58.66N	154.44W	92	5.6b,5.5b			
ISCJB	XII	01 08 00 56.0–.16	58.65N–.01	154.39W–.02	98–1	5.5b,5.5b			
IDC	XII	01 08 00 57.0–.40	58.69N	154.41W	91–3	5.6,5.3			
NEIC	XII	01 08 00 57.0–.00	58.43N	153.80W	100	5.6,5.3			
GCMT	XII	01 08 00 57.9–.10	58.51N–.01	154.21W–.01	107–1	5.4W,5.3			
AEIC	XII	01 08 00 57.9	58.42N	154.12W	92	5.5b,5.4W			
NEIC	XII	01 08 00 57.9–.00	58.42N	154.12W	92	5.5L,5.5b			
ISC		Event type fe.							
MOS		Error ellipse: s-maj=6.7km s-min=3.4km az=92.9.							
ISCJB		Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=17.7.							
IDC		Error ellipse: s-maj=8.7km s-min=6.0km az=19.0.							
NEIC		Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ80.00000° ,λ52.00000°. NP2:ϕ_s317.00000°,δ39.00000°,λ164.00000°. Principal axes: T 1.1300,Plg42.0000°,Azm293.0000°; N 0.0500,Plg37.0000°,Azm66.0000° ; P -1.1800,Plg25.0000°,Azm177.0000°							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c191; s131,c252;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.02 $M_{\theta\theta}$-0.76±.03; $M_{\phi\phi}$0.56±.03; $M_{r\theta}$1.01±.02; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$0.77±.01; Best double couple: NP1:ϕ_s65.00000°,δ85.00000°,λ54.00000°. NP2:ϕ_s328.00000°,δ36.00000°,λ172.00000°. Principal axes: T 1.6770,Plg39.0000° ,Azm303.0000°; N -0.2700,Plg36.0000°,Azm68.0000°; P -1.4070,Plg31.0000° ,Azm184.0000° $M_0$1.54200×10^{17}							
NEIC		Event type fe. Felt [III] at Anchorage, Eagle River and Homer and [II] at Kodiak. Also felt at Anchor Point, Chugiak, Egegik, Elemendorf AFB, Girdwood, King Salmon, Naknek, Ninilchik, Palmer and Soldotna. After AEIC. Moment Tensor Solution. Best double couple: NP1: ϕ_s329.00000°,δ29.00000°,λ179.00000°. NP2:ϕ_s59.00000°,δ90.00000°,λ61.00000°. Principal axes: T 1.5500,Plg39.0000°,Azm303.0000°; N -0.3000,Plg29.0000°,Azm59.0000° ; P -1.2500,Plg38.0000°,Azm175.0000°							
		(307) Sichuan							
ISC	**XII**	**01 15 16 43.7–.27**	**31.87N–.03**	**104.34E–.03**	**15**	**4.8b**	**300**	**1-170**	
ISCJB	XII	01 15 16 42.0–.15	31.88N–.02	104.28E–.02	15	4.7b,3.8s		**¶601995654**	
IDC	XII	01 15 16 41.3–.42	31.88N	104.31E	0	4.7,4.6			
MOS	XII	01 15 16 44.4–.96	31.85N	104.33E	34	4.9b,4.6			
BJI	XII	01 15 16 44.2	31.85N	104.18E	24	5.0b,4.7b			
NEIC	XII	01 15 16 46.7–.41	31.87N	104.28E	37–4	4.8b,4.6L			
ISC		Event type fe.							
ISCJB		Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=178.4.							
IDC		Error ellipse: s-maj=13.7km s-min=10.3km az=45.0.							
MOS		Error ellipse: s-maj=6.9km s-min=4.6km az=110.8.							
NEIC		Event type fe. Error ellipse: s-maj=3.6km s-min=3.5km az=125.0. Felt at Chengdu, Deyang and Mianyang.							
		(358) Romania							
ISC	**XII**	**01 20 52 07.6–.37**	**45.79N–.03**	**26.74E–.02**	**90–3**	**4.7b**	**936**	**0-118**	
SOF	XII	01 20 52 00.3	45.94N	26.79E	176	4.3		**¶601995693**	
PRU	XII	01 20 52 04.6–.00	45.63N	26.57E	0	4.7			
MOS	XII	01 20 52 05.8–.98	45.74N	26.72E	80	4.7b			
BJI	XII	01 20 52 05.4	45.70N	26.80E	89	5.0b,4.8b			
ISCJB	XII	01 20 52 06.4–.09	45.700N–.01	26.70E–.01	95–1	4.6b,4.8b			
PDG	XII	01 20 52 06.4–.90	45.74N	26.75E	94–2	4.3L,4.8b			
SIGU	XII	01 20 52 06.4–1.4	45.8N–.80	26.7E–.90	100	4.2b,4.8b			
IDC	XII	01 20 52 07.7–.36	45.73N	26.58E	88–3	4.4,4.2b			
BUC	XII	01 20 52 07.6–.24	45.74N	26.75E	93–3	4.9,4.2b			
NEIC	XII	01 20 52 07.7–.00	45.71N	26.74E	93	4.7b,4.6L			
THE	XII	01 20 52 10.8	45.19N	26.53E	1–19	4.3L,4.6L			
BEO	XII	01 20 52 11.7–.70	45.42N	25.93E	0–4	4.0L,4.6L			
TIR	XII	01 20 52 53.0	45.79N	26.81E	65	4.8,4.6L			
ISC		Event type fe.							
MOS		Error ellipse: s-maj=4.2km s-min=3.3km az=108.8.							
ISCJB		Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=41.9.							
PDG		Event type ke. Error ellipse: s-maj=1.2km s-min=2.0km az=0.0.							
IDC		Error ellipse: s-maj=9.4km s-min=7.3km az=164.0.							
BUC		Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=87.0.							
NEIC		Event type fe. Felt [III] at Bucharest and [II] at Iasi. Also felt at Alexandru Ioan Cuza, Bacau, Braila, Ceatalchioi, Giurgiu, Pitesti, Ploiesti and Puchenii Mari. Felt at Balti, Moldova. After BUC.							
THE		Event type ke. Error ellipse: s-maj=31.8km s-min=1.7km az=22.0.							
BEO		Event type ke.							
		(186) Vanuatu Islands							
ISC	**XII**	**02 00 54 23.2–.31**	**17.10S–.03**	**167.68E–.03**	**40–2**	**6.0b,6.0s**	**1443**	**5-167**	
ISCJB	XII	02 00 54 21.7–.76	17.00S–.02	167.61E–.02	36–6	6.0s,5.9b		**¶601995719**	

MOS	XII	02 00 54 21.8–.92	16.95S	167.65E	33	6.2b,6.0s			
BJI	XII	02 00 54 21.9	17.04S	167.62E	30	6.2b,6.0s			
IDC	XII	02 00 54 22.7–1.7	17.02S	167.75E	33–12	5.7L,5.7			
NEIC	XII	02 00 54 22.7–.07	16.98S	167.65E	32	6.2W,6.1W			
NEIC	XII	02 00 54 23.0–.00	17.01S	167.42E	35	6.2W,6.1W			
GCMT	XII	02 00 54 26.7–.10	17.12S	167.45E	40–0	6.1W,6.1W			
NEIC	XII	02 00 54 46.9–.00	17.20S	167.67E	40	6.1W,6.1W			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=176.0.
MOS Error ellipse: s-maj=6.5km s-min=5.8km az=112.7.
IDC Error ellipse: s-maj=10.6km s-min=9.2km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=137.0. Felt at Lamap and Port-Vila. Also felt at Noumea, New Caledonia. Apparent Stress 0.40 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tension Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.25 $M_{\theta\phi}$0.72 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s138.00000°,δ52.00000°,λ86.00000°. NP2:ϕ_s325.00000°,δ38.00000°,λ96.00000°. Principal axes: T 1.3000,Plg82.0000° ,Azm24.0000°; N 0.1100,Plg3.0000°,Azm141.0000°; P -1.4100,Plg7.0000°,Azm231.0000° M_o1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s350.00000°,δ35.00000°,λ90.00000°. NP2:ϕ_s170.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm80.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000° ,Azm260.0000°
NEIC Event type se. Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$-0.68 $M_{r\theta}$0.17 $M_{\theta\phi}$0.95 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s135.00000° ,δ51.00000°,λ95.00000°. NP2:ϕ_s308.00000°,δ40.00000°,λ84.00000°. Principal axes: T 1.6200,Plg83.0000°,Azm77.0000°; N 0.1600,Plg3.0000°,Azm312.0000° ; P -1.7800,Plg5.0000°,Azm221.0000° M_o1.70000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c349; s150,c509; Duration: 2$\pm$8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.70$\pm$.01 $M_{\theta\theta}$-0.91$\pm$.01; $M_{\phi\phi}$-0.78$\pm$.01; $M_{r\theta}$0.19$\pm$.01; $M_{\theta\phi}$1.07$\pm$.01; $M_{\phi r}$-0.36$\pm$.01; Best double couple: NP1:ϕ_s138.00000°,δ51.00000° ,λ96.00000°. NP2:ϕ_s308.00000°,δ39.00000°,λ82.00000°. Principal axes: T 1.7520,Plg82.0000°,Azm83.0000°; N 0.2130,Plg5.0000°,Azm314.0000° ; P -1.9600,Plg6.0000°,Azm224.0000° M_o1.85600×10^{18}
NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{18}Nm; M_{rr}2.11 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.73 $M_{\theta\phi}$1.03 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s326.00000° ,δ38.00000°,λ106.00000°. NP2:ϕ_s126.00000°,δ54.00000°,λ78.00000°. Principal axes: T 2.2700,Plg77.0000°,Azm355.0000°; N -0.1000,Plg10.0000°,Azm133.0000° ; P -2.1700,Plg8.0000°,Azm225.0000° M_o2.20000×10^{18}

(212) Bonin Islands region

ISC	**XII**	**02 03 08 45.2–.59**	**27.67N–.06**	**142.0E–.20**	**39**	**4.1b**	**46**	**1-91**
ISCJB	XII	02 03 08 43.9–.35	27.62N–.05	141.8E–.10	39	4.1b		**¶602059829**
NEIC	XII	02 03 08 46.3–.68	27.55N	141.93E	50–6	4.3b		
JMA	XII	02 03 08 47.2–.10	27.56N	142.37E	40	4.2		
IDC	XII	02 03 08 47.8–4.1	27.57N	141.89E	62–35	4.0,4.0		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=17.5km s-min=4.5km az=161.8.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.0km az=78.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=33.9km s-min=17.0km az=93.0.

(135) Near coast of central Chile

ISC	**XII**	**02 03 29 23.1–1.8**	**35.44S–.04**	**72.91W–.07**	**9–11**	**4.1b,3.7s**	**71**	**1-175**
IDC	XII	02 03 29 22.2–.97	35.53S	72.58W	0	4.1,4.0		**¶602059828**
NEIC	XII	02 03 29 23.0–.00	35.54S	72.77W	15	4.3L,4.3b		
SJA	XII	02 03 29 23.7–.32	35.38S	72.99W	12–6	4.0L,3.9W		
GUC	XII	02 03 29 24.0–.68	35.55S	72.77W	19–4	4.3L,3.9W		

ISC Event type fe.
IDC Error ellipse: s-maj=32.1km s-min=17.1km az=93.0.
NEIC Event type fe. Felt [IV] at Cauquenes and Chanco; [III] at Cobquecura, Constitucion, Pelluhue and Pencahue; [II] at Colbun, Curico, Iloca, La Laja, San Clemente, Talca and Villa Alegre. After GUC.
SJA Error ellipse: s-maj=8.8km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0.

(76) Off coast of central America

ISC	**XII**	**02 04 44 36.0–.27**	**11.82N–.04**	**89.10W–.04**	**39–3**	**5.1b,4.3s**	**994**	**2-163**
GCMT	XII	02 04 44 34.3–.10	11.72N–.01	89.42W–.01	12	5.3W,4.3s		**¶601995746**
UCR	XII	02 04 44 34.6–1.7	11.93N	89.05W	12–7	5.1b,4.8L		
ISCJB	XII	02 04 44 35.8–.30	11.86N–.02	89.03W–.02	49–2	5.0b,4.3s		
MOS	XII	02 04 44 35.5–.93	11.86N	89.01W	47	5.3b,4.3s		
NEIC	XII	02 04 44 37.3–.31	11.85N	88.99W	48–2	5.1b,5.0		
IDC	XII	02 04 44 37.2–1.3	11.89N	89.04W	46–11	4.6,4.5		
BJI	XII	02 04 44 37.3	11.90N	89.00W	33	5.5b,5.2s		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c162; s117,c224;Duration: 1$\pm$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93$\pm$.01 $M_{\theta\theta}$0.76$\pm$.01; $M_{\phi\phi}$0.17$\pm$.01; $M_{r\theta}$0.28$\pm$.04; $M_{\theta\phi}$-0.48$\pm$.01; $M_{\phi r}$-0.00$\pm$.04; Best double couple: NP1:ϕ_s291.00000°,δ53.00000° ,λ-101.00000°. NP2:ϕ_s128.00000°,δ39.00000°,λ-76.00000°. Principal axes: T 1.0600,Plg7.0000°,Azm29.0000°; N -0.0830,Plg8.0000°,Azm298.0000° ; P -0.9760,Plg79.0000°,Azm157.0000° M_o1.01800×10^{17}
UCR Error ellipse: s-maj=4.6km s-min=5.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=143.0.
MOS Error ellipse: s-maj=11.0km s-min=4.5km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=223.0. Felt at San Salvador, El Salvador.
IDC Error ellipse: s-maj=17.2km s-min=6.9km az=50.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**02 07 00 52.7–.78**	**35.73N–.05**	**140.70E–.06**	**54–6**	**3.8b**	**36**	**0-75**
NIED	XII	02 07 00 00	35.70N	140.60E	53	3.9W		**¶606066673**
ISCJB	XII	02 07 00 51.5–.49	35.72N–.04	140.72E–.07	58–3	3.8b,3.3s		
JMA	XII	02 07 00 52.4–.10	35.74N	140.62E	50–2	3.3,3.3s		
IDC	XII	02 07 00 53.9–2.6	35.54N	140.60E	64–21	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ15.00000°,λ85.00000°. NP2:ϕ_s355.00000°,δ75.00000°,λ91.00000°. M_o9.43000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.5km az=161.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s357.00000°,δ86.00000°,λ94.00000°. NP2: ϕ_s132.00000°,δ6.00000°,λ45.00000°. Principal axes: T Plg49.0000°,Azm271.0000° ; N Plg4.0000°,Azm176.0000°; P Plg41.0000°,Azm83.0000°
IDC Error ellipse: s-maj=29.2km s-min=8.0km az=68.0.

(235) Kyushu

ISC	**XII**	**02 07 29 04.2–.61**	**33.30N–.05**	**131.83E–.04**	**70–5**	**4.0b**	**41**	**0-83**
NIED	XII	02 07 29 00	33.40N	131.80E	71	4.1W		**¶602390336**
ISCJB	XII	02 07 29 03.0–.38	33.32N–.05	131.84E–.04	77–3	3.8b		
JMA	XII	02 07 29 04.2	33.34N	131.82E	70–1	3.9		
IDC	XII	02 07 29 04.2–.61	33.30N	131.75E	70–5	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ56.00000°,λ-171.00000°. NP2:ϕ_s225.00000°,δ82.00000°,λ-34.00000°. M_o1.66000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.2km az=167.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s313.00000°,δ77.00000°,λ-139.00000°. NP2:ϕ_s212.00000°,δ50.00000°,λ-17.00000°. Principal axes: T Plg17.0000°,Azm77.0000°; N Plg47.0000°,Azm328.0000°; P Plg38.0000° ,Azm181.0000°
IDC Error ellipse: s-maj=10.3km s-min=10.1km az=66.0.

(377) Spain

ISC	**XII**	**02 07 31 08.8–1.1**	**37.29N–.03**	**1.98W–.02**	**14–9**		**80**	**0-6**
INMG	XII	02 07 31 09.1–1.1	37.26N	1.98W	0	2.8L		**¶601995764**
SFS	XII	02 07 31 09.0	37.20N	1.90W	5	2.9L		
MDD	XII	02 07 31 09.1–.29	37.26N	1.98W	4–3	2.9		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=123.0.
SFS ANTAS. (ALMERIA).
MDD Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=133.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.

(377) Spain

ISC	**XII**	**02 07 31 31.3–.00**	**37.18N–.06**	**1.96W–.04**	**10**		**29**	**0-6**
ISCJB	XII	02 07 31 31.6–.61	37.28N–.06	2.05W–.04	10			**¶602732605**
IGIL	XII	02 07 31 32.7	37.23N	1.95W	14			
SFS	XII	02 07 31 32.0	37.23N	1.95W	14	2.8L		
MDD	XII	02 07 31 33.1–.36	37.26N	2.01W	0	2.9		
INMG	XII	02 07 31 33.5–1.3	37.23N	1.97W	12–5	2.8L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.6km az=163.4.
SFS ANTAS. (ALMERIA).
MDD Event type fe. Error ellipse: s-maj=4.5km s-min=2.6km az=125.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=121.0.

(135) Near coast of central Chile

ISC	**XII**	**02 07 37 03.4–1.3**	**31.16S–.02**	**71.46W–.05**	**18–5**		**82**	**0-176**
IDC	XII	02 07 36 59.3–1.6	31.46S	71.52W	0	3.9b,3.7s		**¶601995765**
SJA	XII	02 07 37 05.6–1.2	31.12S	71.55W	41–980	4.2W,4.1L		
NEIC	XII	02 07 37 06.0–.00	31.14S	71.34W	57	4.3L,4.1L		
GUC	XII	02 07 37 07.0–.60	31.14S	71.35W	55–2	4.3L,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=64.9km s-min=35.2km az=118.0.
SJA Error ellipse: s-maj=2.9km s-min=7.9km az=-1.0.
NEIC Event type fe. Felt [IV] at Canela; [III] at Combarbala and Los Vilos; [II] at Illapel and Monte Patria. After GUC.
GUC Error ellipse: s-maj=0.9km s-min=6.4km az=-1.0.

(248) Philippine Islands region

ISC	**XII**	**02 09 27 51.4–1.1**	**9.96N–.04**	**126.11E–.08**	**59–10**	**4.1b**	**65**	**1-120**
NEIC	XII	02 09 27 49.0–.38	10.15N	126.32E	35	4.4b		**¶601995779**
MAN	XII	02 09 27 50.0	9.98N	126.16E	17	4.8b,3.7L		
ISCJB	XII	02 09 27 51.1–.64	9.98N–.03	126.18E–.06	75–5	4.2b,3.7L		
IDC	XII	02 09 27 53.6–4.1	9.95N	126.12E	84–36	4.0,3.8		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=18.6km s-min=7.1km az=76.0. Felt [I PIVS] at Surigao, Mindanao.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.1km az=170.0.
IDC Error ellipse: s-maj=38.6km s-min=13.7km az=66.0.

(244) Taiwan

ISC	**XII**	**02 17 45 37.9–.65**	**23.96N–.01**	**121.62E–.02**	**10–3**	**4.6b,4.0s**	**463**	**0-168**
NIED	XII	02 17 45 00	24.00N	121.60E	5	4.9W,4.0s		**¶601995847**
IDC	XII	02 17 45 35.5–.54	23.96N	121.63E	0	4.5,4.4		
ISCJB	XII	02 17 45 36.5–.23	23.955N–.01	121.65E–.01	7–1	4.5b,4.1s		
JMA	XII	02 17 45 36.0–.20	23.95N	121.61E	2–3	4.8,4.1s		
TAP	XII	02 17 45 36.9	23.98N	121.58E	12–0	5.0L,4.1s		
GCMT	XII	02 17 45 37.2–.30	23.96N–.02	121.57E–.03	19–0	4.9W,4.1s		
MOS	XII	02 17 45 37.1–1.2	23.93N	121.65E	20	4.8b,4.1s		
BJI	XII	02 17 45 37.5	24.12N	121.61E	8	5.0b,4.9L		
NEIC	XII	02 17 45 37.2–.23	23.91N	121.63E	10	5.1L,5.0b		
ASIES	XII	02 17 45 38.7	23.97N	121.55E	16	4.4W,5.0b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ30.00000°,λ58.00000°. NP2:ϕ_s62.00000°,δ65.00000°,λ107.00000°. M_o2.40000×10^{16}
IDC Error ellipse: s-maj=15.6km s-min=13.7km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=31.1.
TAP B.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c45; s78,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.23$\pm$.15 $M_{\theta\theta}$-1.14$\pm$.09; $M_{\phi\phi}$-1.09$\pm$.10; $M_{r\theta}$0.90$\pm$.18; $M_{\theta\phi}$-1.19$\pm$.05; $M_{\phi r}$-0.55$\pm$.19; Best double couple: NP1:ϕ_s66.00000°,δ52.00000°,λ118.00000°. NP2:ϕ_s206.00000°,δ46.00000°,λ59.00000°. Principal axes: T 2.6500,Plg68.0000° ,Azm38.0000°; N -0.3290,Plg22.0000°,Azm229.0000°; P -2.3210,Plg4.0000°,Azm137.0000° M_o2.48600×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=6.5km az=114.1.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=122.0. Recorded [5 TAP] in Hualien; [3 TAP] in Nantou; [2 TAP] in Yilan and Yunlin; [1 TAP] in Changhua, Hsinchu and Taitung.

(479) Colorado

ISC	**XII**	**02 18 44 38.1–.76**	**38.88N–.03**	**107.48W–.03**	**0**		**81**	**0-24**
IDC	XII	02 18 44 35.2–1.8	38.49N	109.91W	0	3.8,3.7		**¶602213419**
ISCJB	XII	02 18 44 38.6–.32	38.93N–.02	107.57W–.03	0	3.5b,3.4s		
NEIC	XII	02 18 44 38.8–.37	38.89N	107.50W	1	3.4L,3.4s		

ISC Event type sr.
IDC Error ellipse: s-maj=45.8km s-min=7.7km az=76.0.
ISCJB Event type fr. Error ellipse: s-maj=4.1km s-min=2.6km az=43.5.
NEIC Event type fr. Error ellipse: s-maj=5.2km s-min=3.5km az=150.0. Probable coal bump. Suspected Mining induced.

(135) Near coast of central Chile

ISC	**XII**	**02 18 56 19.8–2.1**	**29.58S–.03**	**71.64W–.07**	**4–15**		**44**	**0-14**
NEIC	XII	02 18 56 24.0–.00	29.66S	71.38W	51	4.3L		**¶602032121**
GUC	XII	02 18 56 24.0–.65	29.66S	71.38W	51–3	4.3L		
SJA	XII	02 18 56 25.1–1.2	29.63S	71.42W	14–10	4.4W,4.1L		

ISC Event type fe.
NEIC Event type fe. Felt [II] at La Higuera. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=3.7km s-min=17.3km az=-1.0.

(244) Taiwan

ISC	**XII**	**02 19 43 31.7–.59**	**23.95N–.01**	**121.63E–.02**	**12–3**	**4.4b,4.0s**	**408**	**0-99**
NIED	XII	02 19 43 00	23.90N	121.60E	5	4.5W,4.0s		**¶601995857**
IDC	XII	02 19 43 29.4–.40	23.95N	121.73E	0	4.4,4.3		
JMA	XII	02 19 43 29.4–.10	23.94N	121.62E	0	4.5,4.3		
BJI	XII	02 19 43 29.4	23.92N	121.61E	8	4.7b,4.6b		
NEIC	XII	02 19 43 30.4–.66	23.92N	121.68E	6–4	4.9b,4.7L		
ISCJB	XII	02 19 43 30.4–.23	23.943N–.01	121.65E–.01	9–1	4.4b,3.9s		
MOS	XII	02 19 43 30.2–1.2	23.89N	121.67E	18	4.6b,3.9s		
TAP	XII	02 19 43 31.0	23.97N	121.56E	12–0	4.8L,3.9s		
ASIES	XII	02 19 43 33.2	23.96N	121.54E	16	4.0W,3.9s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ36.00000°,λ46.00000°. NP2:ϕ_s64.00000°,δ65.00000°,λ117.00000°. M_o6.97000×10^{15}
IDC Error ellipse: s-maj=13.0km s-min=9.9km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=104.0. Felt at Hualien. Recorded [5 TAP] in Hualien; [3 TAP] in Nantou; [2 TAP] in Taichung and Yilan; [1 TAP] in Changhua, Hsinchu and Yunlin.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=31.0.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=102.7.
TAP B.

(228) Near east coast of eastern Honshu

ISC	**XII**	**03 04 14 06.6–.95**	**38.58N–.04**	**141.90E–.07**	**49–7**	**3.9b,3.7s**	**64**	**0-146**
NIED	XII	03 04 14 00	38.60N	141.90E	47	4.2W,3.7s		**¶602090144**
ISCJB	XII	03 04 14 05.6–.56	38.59N–.03	141.92E–.06	55–3	3.9b,3.5s		
JMA	XII	03 04 14 06.5	38.62N	141.90E	48–1	4.0,3.5s		
IDC	XII	03 04 14 09.4–1.9	38.62N	141.79E	73–16	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ24.00000°,λ88.00000°. NP2:ϕ_s23.00000°,δ66.00000°,λ91.00000°. M_o1.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.6km az=18.3.
JMA Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=11.6km az=118.0.

(383) Northwestern Balkan Peninsula

ISC	**XII**	**03 04 36 01.6–.68**	**46.23N–.01**	**14.76E–.01**	**15–4**	**3.9b**	**615**	**0-68**
VIE	XII	03 04 36 00.8–.19	46.23N	14.78E	4	4.3L,3.9b		**¶601995908**
PDG	XII	03 04 36 00.7–.50	46.20N	14.75E	20–0	3.7L,3.9b		
ISCJB	XII	03 04 36 00.8–.14	46.221N–.01	14.81E–.01	23–1	3.9b,3.9b		
LJU	XII	03 04 36 00.6	46.23N	14.78E	14	3.8L,3.9b		
NEIC	XII	03 04 36 00.0–.00	46.19N	14.78E	8	4.3b,4.1L		
ROM	XII	03 04 36 00.7–.18	46.190N–.01	14.785E–.01	7–1	4.1L,4.1L		
BEO	XII	03 04 36 00.5–.30	46.25N	14.82E	5–2	3.7L,4.1L		
PRU	XII	03 04 36 01.6–.00	46.24N	14.76E	13	4.3,4.1L		
LDG	XII	03 04 36 01.8–.16	46.22N	14.90E	10	4.0L,4.1L		
SAR	XII	03 04 36 02.5–.50	46.17N	14.79E	4–2	4.0L,4.1L		
BGR	XII	03 04 36 02.9–.69	46.25N	14.75E	10	4.4L,4.1L		
BNS	XII	03 04 36 05.0–.34	46.27N	14.65E	10	4.2L,4.1L		
IDC	XII	03 04 36 07.9–2.1	46.59N	14.66E	34–18	3.7,3.6		

ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=127.0. 28 km NE of Ljubljana .
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=21.9.

NEIC Event type fe. Felt [II] at Ljubljana. Also felt at Brezovica, Kranj and Vodice. Felt [II] at Trieste, Italy. Also felt at Klagenfurt, Austria and at Zagreb, Croatia. After ROM.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=155.0.
BGR Event type fe. Error ellipse: s-maj=14.5km s-min=8.9km az=5.0. Felt in Kaernten, Steiermark, Salzburg. Reports of fissures in the plastering. Objects toppled down.
BNS Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=12.4km az=166.0.

(228) Near east coast of eastern Honshu

ISC	XII	03 04 57 15.0–.59	36.34N–.03	140.78E–.04	90–5	4.5b	194	0-153
NIED	XII	03 04 57 00	36.40N	140.80E	89	4.2W	¶601995913	
BJI	XII	03 04 57 11.8	36.38N	140.81E	87	5.0b,4.8b		
ISCJB	XII	03 04 57 14.3–.26	36.32N–.02	140.77E–.03	102–1	4.4b,4.8b		
MOS	XII	03 04 57 14.0–1.0	36.35N	140.80E	99	4.4b,4.8b		
NEIC	XII	03 04 57 14.8–.42	36.29N	140.79E	92–4	4.6b,4.8b		
IDC	XII	03 04 57 16.1–1.2	36.29N	140.69E	100–11	4.3,4.1		
JMA	XII	03 04 57 16.0–.10	36.34N	140.73E	91–1	4.3,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ33.00000°,λ-123.00000°. NP2:ϕ_s197.00000°,δ63.00000°,λ-71.00000°. $M_0$2.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.9km az=0.0.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=115.7.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.7km az=112.0. Recorded [3 JMA] in Ibaraki.
IDC Error ellipse: s-maj=13.0km s-min=8.1km az=73.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s206.00000°,δ67.00000°,λ-77.00000°. NP2: ϕ_s354.00000°,δ26.00000°,λ-119.00000°. Principal axes: T Plg21.0000°,Azm286.0000° ; N Plg12.0000°,Azm21.0000°; P Plg65.0000°,Azm139.0000°

(228) Near east coast of eastern Honshu

ISC	XII	03 05 17 12.6–1.8	36.62N–.04	141.15E–.05	5–11	4.1b	52	0-147
NIED	XII	03 05 17 00	36.60N	141.20E	5	3.9W	¶601995918	
ISCJB	XII	03 05 17 13.2–.89	36.58N–.03	141.21E–.06	24–5	4.0b,3.6s		
JMA	XII	03 05 17 13.5	36.59N	141.19E	29–1	4.3,3.6s		
IDC	XII	03 05 17 18.1–1.9	36.59N	141.08E	45–17	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ40.00000°,λ-130.00000°. NP2:ϕ_s216.00000°,δ61.00000°,λ-61.00000°. $M_0$9.36000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=18.1.
JMA Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=10.8km az=117.0.

(73) El Salvador

ISC	XII	03 06 50 34.0–.77	13.41N–.05	89.78W–.05	64–6	4.3b	528	0-147
ISCJB	XII	03 06 50 32.9–.34	13.30N–.02	89.82W–.03	69–2	4.2b	¶601995932	
SNET	XII	03 06 50 32.0–.00	13.30N	89.88W	45	4.2b		
UCR	XII	03 06 50 33.3–1.4	13.34N	89.86W	45–8	4.4L,4.4b		
NEIC	XII	03 06 50 34.9–.60	13.25N	89.75W	73–5	4.5,4.4b		
IDC	XII	03 06 50 35.7–1.0	13.57N	89.50W	77–8	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.7km az=141.4.
SNET Event type se.
UCR Error ellipse: s-maj=4.6km s-min=4.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=46.0. Felt [II] at San Salvador. Felt at Antigua Guatemala and Puerta Parada, Guatemala.
IDC Error ellipse: s-maj=20.6km s-min=6.9km az=51.0.

(74) Near coast of Nicaragua

ISC	XII	03 08 06 30.6–.83	12.58N–.05	87.98W–.04	68–7	4.3b	527	1-148
ISCJB	XII	03 08 06 30.2–.24	12.61N–.03	87.93W–.02	82–2	4.3b	¶601995937	
UCR	XII	03 08 06 30.9–2.0	12.58N	87.98W	54–28	4.4,4.3b		
SNET	XII	03 08 06 31.0–.00	12.57N	88.06W	32	4.4,4.3b		
IDC	XII	03 08 06 31.2–1.1	12.80N	87.71W	65–10	4.1,4.1		
NEIC	XII	03 08 06 32.1–.55	12.52N	87.90W	83–5	4.3,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.4km az=38.2.
UCR Error ellipse: s-maj=7.6km s-min=4.4km az=-1.0.
SNET Event type se.
IDC Error ellipse: s-maj=24.0km s-min=7.6km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=218.0. Felt at Chinandega. Felt [I] at San Salvador, El Salvador.

(233) Near south coast of western Honshu

ISC	XII	03 08 46 33.3–.84	34.04N–.04	135.67E–.03	61–5	4.1b	61	0-74
NIED	XII	03 08 46 00	34.00N	135.70E	53	3.7W	¶602330070	
ISCJB	XII	03 08 46 32.1–.30	34.04N–.03	135.65E–.03	66–2	4.0b		
JMA	XII	03 08 46 33.4	34.05N	135.63E	59–1	3.7		
NEIC	XII	03 08 46 33.4–.54	33.98N	135.72E	59–7	4.3b		
IDC	XII	03 08 46 33.3–1.8	34.03N	135.77E	58–22	3.8L,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ44.00000°,λ-82.00000°. NP2:ϕ_s127.00000°,δ46.00000°,λ-98.00000°. $M_0$4.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=168.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s162.00000°,δ78.00000°,λ-75.00000°. NP2:ϕ_s291.00000°,δ19.00000°,λ-140.00000°. Principal axes: T Plg31.0000°,Azm240.0000°; N Plg15.0000°,Azm339.0000°; P Plg55.0000° ,Azm91.0000°
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=208.0.
IDC Error ellipse: s-maj=16.8km s-min=12.3km az=38.0.

(136) Central Chile

ISC	XII	03 09 31 54.2–.24	28.68S–.03	70.43W–.04	91–1	4.7b	968	0-177
SJA	XII	03 09 31 51.0–.65	28.59S	70.69W	115–3	4.9W,4.8L	¶601995950	
ISCJB	XII	03 09 31 52.8–.26	28.58S–.02	70.24W–.04	88–2	4.6b,4.8L		
MOS	XII	03 09 31 52.2–1.0	28.61S	70.22W	74	4.8b,4.8L		
GUC	XII	03 09 31 53.5–.52	28.75S	70.30W	95–4	5.2L,5.1W		
NEIC	XII	03 09 31 53.0–.00	28.75S	70.30W	95	5.2L,4.6b		
IDC	XII	03 09 31 54.6–.33	28.61S	70.26W	89–2	4.8,4.5		
GCMT	XII	03 09 31 57.0–.30	28.75S–.02	70.58W–.03	109–2	5.1W,4.5		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Copiapo, Coquimbo, La Serena and Vallenar. After GUC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c50; s89,c124;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.24 $M_{\theta\theta}$2.70±.31; $M_{\phi\phi}$0.27±.43; $M_{r\theta}$1.80±.13; $M_{\theta\phi}$3.55±.27; $M_{\phi r}$4.04±.18; Best double couple: NP1:ϕ_s207.00000°,δ72.00000°,λ-118.00000°. NP2:ϕ_s88.00000°,δ33.00000°,λ-34.00000°. Principal axes: T 6.8150,Plg22.0000° ,Azm319.0000°; N -1.0720,Plg27.0000°,Azm217.0000°; P -5.7430,Plg54.0000° ,Azm83.0000° $M_0$6.27900×10^{16}

(228) Near east coast of eastern Honshu

ISC	XII	03 10 38 42.1–1.5	36.88N–.05	141.3E–.10	22–10	3.6b	27	0-61
ISCJB	XII	03 10 38 39.3–1.2	36.87N–.03	141.43E–.06	10–7	3.8s,3.6b	¶602390390	
JMA	XII	03 10 38 40.9–.10	36.89N	141.36E	30–1	3.9,3.6b		
IDC	XII	03 10 38 41.9–2.0	36.46N	141.27E	0	3.9,3.9s		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.8km az=6.7.
JMA Event type fe.
IDC Error ellipse: s-maj=49.6km s-min=22.2km az=51.0.

(296) Myanmar

ISC	XII	03 11 55 27.9–.34	23.07N–.03	95.78E–.03	32	4.6b,3.9s	241	2-146
IDC	XII	03 11 55 22.2–.59	23.02N	95.79E	0	5.0L,4.5	¶601995967	
NDI	XII	03 11 55 24.8–2.5	22.97N	96.02E	15	4.6b,4.5L		
BJI	XII	03 11 55 24.5	23.21N	95.84E	18	4.9b,4.8L		
ISCJB	XII	03 11 55 25.4–.18	23.06N–.02	95.85E–.02	32	4.6b,3.9s		
MOS	XII	03 11 55 25.2–.88	23.13N	95.97E	32	4.8b,3.9s		
GCMT	XII	03 11 55 26.5–.40	23.09N–.02	96.06E–.02	20–1	4.8W,3.9s		
NEIC	XII	03 11 55 27.5–.54	23.11N	95.89E	35–6	4.6b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=11.5km az=55.0.
NDI Error ellipse: s-maj=7.5km s-min=9.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=41.9.
MOS Error ellipse: s-maj=12.1km s-min=5.0km az=116.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s7,c8; s75,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.12 $M_{\theta\theta}$0.25±.09; $M_{\phi\phi}$0.30±.08; $M_{r\theta}$0.67±.17; $M_{\theta\phi}$1.84±.08; $M_{\phi r}$0.13±.15; Best double couple: NP1:ϕ_s268.00000°,δ84.00000°,λ-23.00000°. NP2:ϕ_s360.00000°,δ67.00000°,λ-174.00000°. Principal axes: T 2.2380,Plg12.0000° ,Azm316.0000°; N -0.5380,Plg67.0000°,Azm74.0000°; P -1.7010,Plg20.0000° ,Azm221.0000° $M_0$1.96900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=60.0. Felt at Mandalay.

(71) Near coast of Guatemala

ISC	XII	03 12 28 35.2–.93	13.52N–.06	90.50W–.05	61–8	4.4b	538	1-147
IDC	XII	03 12 28 32.3–2.2	13.62N	90.11W	35–14	4.2,4.2	¶601995968	
ISCJB	XII	03 12 28 35.4–.31	13.51N–.02	90.40W–.02	79–3	4.3b,4.2		
UCR	XII	03 12 28 35.1–1.6	13.45N	90.49W	34–6	4.8L,4.4b		
NEIC	XII	03 12 28 36.4–.41	13.50N	90.38W	72–4	4.9,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=12.9km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=40.5.
UCR Error ellipse: s-maj=5.3km s-min=6.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=216.0. Felt at Antigua Guatemala, Chichicastenango, Jocotenango, Panajachel, Santa Elena Barillas and Santiago Atitlan. Felt [III] at San Salvador, El Salvador.

(348) Northern and central Iran

ISC	XII	03 12 53 24.5–.30	30.56N–.03	57.22E–.03	11	4.6b,3.9s	377	1-123
NEIC	XII	03 12 53 22.9–.00	30.52N	57.23E	5	5.0,4.6b	¶601995970	
IDC	XII	03 12 53 22.3–.44	30.46N	57.25E	0	4.5,4.4		
BJI	XII	03 12 53 22.2	30.48N	57.04E	18	4.8b,4.7b		
ISCJB	XII	03 12 53 23.4–.13	30.53N–.01	57.27E–.02	11	4.6b,4.0s		
MOS	XII	03 12 53 23.4–1.1	30.46N	57.27E	18	4.7b,4.0s		
THR	XII	03 12 53 23.4–.60	30.48N	57.23E	14–8	4.8L,4.0s		
OMAN	XII	03 12 53 24.8–.19	30.50N	57.21E	10	4.8L,4.0s		
TEH	XII	03 12 53 24.3	30.54N	57.25E	10	4.8L,4.0s		
GCMT	XII	03 12 53 24.9–.40	30.36N–.02	57.35E–.04	22–1	4.8W,4.0s		
DSN	XII	03 12 53 25.1–.79	30.64N	57.05E	10	4.7L,4.2b		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Kerman. Also felt at Bahramabad. After TEH.
IDC Error ellipse: s-maj=12.1km s-min=10.8km az=179.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.2km az=9.5.
MOS Error ellipse: s-maj=6.0km s-min=4.5km az=88.1.
THR Error ellipse: s-maj=5.5km s-min=6.7km az=-1.0.
OMAN Error ellipse: s-maj=8.0km s-min=2.9km az=247.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s60,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.17 $M_{\theta\theta}$-2.12±.11; $M_{\phi\phi}$0.74±.10; $M_{r\theta}$0.98±.17; $M_{\theta\phi}$0.33±.09; $M_{\phi r}$0.50±.25; Best double couple: NP1:ϕ_s73.00000°,δ64.00000°,λ61.00000°. NP2:ϕ_s305.00000°,δ38.00000°,λ135.00000°. Principal axes: T 1.9130,Plg60.0000° ,Azm299.0000°; N 0.4780,Plg26.0000°,Azm87.0000°; P -2.3880,Plg14.0000°,Azm184.0000° $M_0$2.15000×10^{16}
DSN Error ellipse: s-maj=14.1km s-min=9.0km az=102.0.

(238) Ryukyu Islands

ISC	XII	03 14 29 31.9–.89	28.05N–.03	129.59E–.04	30–6	4.4b,4.1s	143	0-151
NIED	XII	03 14 29 00	28.20N	129.50E	44	4.5W,4.1s	¶601995983	
BJI	XII	03 14 29 28.3	27.74N	129.95E	47	4.7b,4.6b		
ISCJB	XII	03 14 29 31.8–.34	28.11N–.03	129.58E–.04	41–3	4.3b,3.9s		
JMA	XII	03 14 29 32.1–.20	28.13N	129.55E	31–3	4.2,3.9s		
NEIC	XII	03 14 29 33.9–.53	28.07N	129.43E	47–5	4.6b,3.9s		
IDC	XII	03 14 29 35.1–1.2	28.12N	129.48E	55–11	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s116.00000°,δ21.00000°,λ164.00000°. NP2:ϕ_s221.00000°,δ85.00000°,λ70.00000°. $M_0$7.36000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.2km az=39.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.4km az=136.0. Recorded [2 JMA] on Amami-oshima and Kikaiga-shima.
IDC Error ellipse: s-maj=15.2km s-min=7.3km az=111.0.

(224) Hokkaido region

ISC	XII	03 17 48 28.1–.77	43.19N–.05	145.97E–.04	52–6	4.2b	153	0-149
NIED	XII	03 17 48 00	43.10N	145.90E	47	4.2W	¶601996001	
ISCJB	XII	03 17 48 26.7–.48	43.16N–.03	145.98E–.05	53–3	4.2b,3.2s		
MOS	XII	03 17 48 26.0–1.0	43.09N	146.01E	53	4.5b,3.2s		
JMA	XII	03 17 48 27.2–.10	43.14N	145.94E	47–1	4.3,3.2s		
SKHL	XII	03 17 48 27.4–.20	43.15N	146.08E	62–4	4.6b,3.2s		
NEIC	XII	03 17 48 29.1–.52	43.04N	145.83E	66–5	4.7b,3.2s		
IDC	XII	03 17 48 30.6–2.4	43.23N	145.92E	73–20	4.1,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ53.00000°,λ37.00000°. NP2:ϕ_s45.00000°,δ61.00000°,λ136.00000°. $M_0$2.27000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.8km az=138.0.
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=94.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.9km az=147.0. Recorded [2 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=18.6km s-min=12.5km az=162.0.

(360) Black Sea

ISC	XII	03 18 58 40.5–.95	43.48N–.02	28.65E–.03	22–4	3.8b	398	0-70
MOS	XII	03 18 58 37.1–.91	43.42N	28.74E	10	4.1b	¶601996003	
DDA	XII	03 18 58 37.9	43.26N	28.65E	7	4.5L		
ISCJB	XII	03 18 58 38.8–.38	43.40N–.01	28.71E–.02	21–3	3.8b,3.0s		
PRU	XII	03 18 58 38.1–.00	43.44N	28.80E	0	4.8,3.0s		
BUC	XII	03 18 58 38.7–.78	43.43N	28.67E	7–3	5.0,3.0s		
IDC	XII	03 18 58 39.1–.68	43.58N	28.88E	0	3.9,3.8		
SOF	XII	03 18 58 39.4	43.46N	28.67E	15	3.7,3.8		
BEO	XII	03 18 58 39.3–.90	43.32N	28.62E	0	4.7L,3.8		
NEIC	XII	03 18 58 39.3–.24	43.45N	28.65E	10	4.6L,4.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=4.4km s-min=3.7km az=84.8.
DDA Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=16.3.
BUC Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=131.0.
IDC Error ellipse: s-maj=12.5km s-min=6.4km az=27.0.
BEO Event type ke.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=137.0. Felt at Dobrich, Shumen, Rusa and Varna, Bulgaria and at Bucharest, Constanta, Giurgiu and Tulcea, Romania.

(227) Eastern Honshu

ISC	XII	03 20 31 11.5–.94	39.56N–.03	140.51E–.03	10–6	3.9b	33	0-76
NIED	XII	03 20 31 00	39.60N	140.50E	5	4.1W	¶601996007	
ISCJB	XII	03 20 31 10.8–.47	39.56N–.03	140.48E–.04	16–4	3.7b,3.2s		
JMA	XII	03 20 31 10.8	39.57N	140.49E	9–1	4.1,3.2s		
IDC	XII	03 20 31 10.5–.78	39.63N	140.38E	0	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s259.00000°,δ37.00000°,λ-14.00000°. NP2:ϕ_s1.00000°,δ82.00000°,λ-127.00000°. $M_0$1.36000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=26.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s2.00000°,δ84.00000°,λ-164.00000°. NP2:ϕ_s270.00000°,δ74.00000°,λ-7.00000°. Principal axes: T Plg7.0000°,Azm135.0000°; N Plg72.0000°,Azm22.0000°; P Plg16.0000° ,Azm227.0000°
IDC Error ellipse: s-maj=26.6km s-min=16.3km az=110.0.

(69) Near coast of Chiapas

ISC	XII	03 23 58 36.2–.27	14.22N–.04	92.49W–.04	46	5.2b,5.1s	1134	1-160
SNET	XII	03 23 58 29.0–.00	14.03N	92.66W	15	5.2b,5.1s	¶601996015	
UCR	XII	03 23 58 30.5–2.1	13.97N	92.73W	9–34	5.5b,4.7L		
GCMT	XII	03 23 58 33.4–.20	13.94N–.01	93.01W–.01	20–1	5.3W,4.7L		
ISCJB	XII	03 23 58 34.7–.13	14.22N–.02	92.36W–.01	46	5.2b,5.0s		
MOS	XII	03 23 58 34.4–.87	14.24N	92.34W	39	5.2b,5.1s		
NEIC	XII	03 23 58 35.4–.14	14.16N	92.37W	35	5.6,5.4		
BJI	XII	03 23 58 35.5	14.20N	92.30W	45	5.6s,5.5b		
IDC	XII	03 23 58 38.5–2.1	14.23N	92.27W	65–18	4.9s,4.9		
MEX	XII	03 23 58 38.0–.80	14.34N	92.75W	16–21	5.4,4.9		

ISC Event type fe.
SNET Event type se.
UCR Error ellipse: s-maj=11.7km s-min=29.6km az=-1.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c146; s103,c202;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$0.02±.02; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$0.84±.01; $M_{\phi r}$-1.02±.07; Best double couple: NP1:ϕ_s174.00000°,δ82.00000°,λ125.00000°. NP2:ϕ_s275.00000°,δ36.00000°,λ14.00000°. Principal axes: T 1.1660,Plg42.0000° ,Azm117.0000°; N 0.3580,Plg34.0000°,Azm349.0000°; P -1.5240,Plg29.0000° ,Azm237.0000° $M_0$1.34500×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=38.4.

MOS Error ellipse: s-maj=9.6km s-min=4.3km az=111.7.

NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=218.0. Felt at Guatemala, Quetzaltenango, San Jose Chiquilaja and San Pedro Sacatepequez. Felt [I] at Ahuachapan, El Salvador.

IDC Error ellipse: s-maj=18.2km s-min=8.1km az=54.0.

MEX Error ellipse: s-maj=17.8km s-min=4.0km az=-1.0.

(2) Southern Alaska

ISC	**XII**	**04 01 42 47.9–.20**	**61.27N–.02**	**150.82W–.02**	**68–1**	**5.7b**	**2379**	**0-171**
BJI	XII	04 01 42 43.3	61.24N	150.92W	57	5.8b,5.7b		**¶601996019**
MOS	XII	04 01 42 45.5–.93	61.32N	151.03W	60	5.9b,4.9s		
ISCJB	XII	04 01 42 46.5–.12	61.333N–.01	150.82W–.02	68–1	5.5b,4.9s		
NEIC	XII	04 01 42 48.0–.00	61.23N	150.72W	50	5.5b,4.9s		
AEIC	XII	04 01 42 48.5	61.24N	150.76W	62	5.8W,5.7W		
NEIC	XII	04 01 42 48.5–.00	61.24N	150.76W	62	5.8L,5.8W		
IDC	XII	04 01 42 48.5–.31	61.42N	151.01W	72–2	5.4,5.2		
GCMT	XII	04 01 42 50.5–.10	61.38N–.01	151.05W–.01	76–0	5.8W,5.2		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}2.41 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$1.42 $M_{r\theta}$0.22 $M_{\theta\phi}$2.38 $M_{\phi r}$3.55 Best double couple: NP1:ϕ_s328.00000° ,δ68.00000°,λ137.00000°. NP2:ϕ_s77.00000°,δ51.00000°,λ29.00000°. Principal axes: T 5.8200,Plg45.0000°,Azm285.0000°; N -0.8800,Plg42.0000°,Azm125.0000° ; P -4.9400,Plg10.0000°,Azm26.0000° $M_0$5.40000×10^{17}

NEIC Event type fe. Felt [V] at Anchorage, Cooper Landing and Willow; [IV] at Anchor Point, Chugiak, Eagle River, Elmendorf AFB, Fort Richardson, Girdwood, Kasilof, Kenai, Palmer, Seward, Soldotna, Sterling, Talkeetna and Wasilla; [III] at Fairbanks, Homer and Ninilchik; [II] at Kodiak and Valdez. Felt widely in central and southern Alaska. After AEIC. Moment Tensor Solution. s102 Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-3.69 $M_{\phi\phi}$1.22 $M_{r\theta}$0.39 $M_{\theta\phi}$2.04 $M_{\phi r}$2.74 Best double couple: NP1:ϕ_s324.00000°,δ63.00000°,λ138.00000°. NP2: ϕ_s76.00000°,δ54.00000°,λ34.00000°. Principal axes: T 4.9500,Plg48.0000°,Azm286.0000° ; N -0.4700,Plg42.0000°,Azm117.0000°; P -4.4800,Plg6.0000°,Azm22.0000° $M_0$4.70000×10^{17} Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}2.34 $M_{\theta\theta}$-4.28 $M_{\phi\phi}$1.95 $M_{r\theta}$0.08 $M_{\theta\phi}$1.86 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s70.00000°,δ54.00000° ,λ30.00000°. NP2:ϕ_s322.00000°,δ66.00000°,λ140.00000°. Principal axes: T 5.5500,Plg45.0000°,Azm281.0000°; N -0.6500,Plg44.0000°,Azm116.0000° ; P -4.9000,Plg7.0000°,Azm19.0000° $M_0$5.30000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c264; s136,c361; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.41±.05 $M_{\theta\theta}$-4.28±.06; $M_{\phi\phi}$2.87±.06; $M_{r\theta}$0.17±.05; $M_{\theta\phi}$2.62±.05; $M_{\phi r}$3.46±.04; Best double couple: NP1:ϕ_s328.00000°,δ73.00000° ,λ146.00000°. NP2:ϕ_s69.00000°,δ58.00000°,λ20.00000°. Principal axes: T 6.1310,Plg36.0000°,Azm285.0000°; N -0.8410,Plg53.0000°,Azm124.0000° ; P -5.2900,Plg9.0000°,Azm22.0000° $M_0$5.71000×10^{17}

(112) Peru-Brazil border region

ISC	**XII**	**04 04 21 58.2–.36**	**8.94S–.04**	**74.41W–.06**	**144–3**	**4.5b**	**424**	**4-158**
ARE	XII	04 04 21 54.0–.00	8.86S	74.24W	150	4.5b		**¶601996025**
ISCJB	XII	04 04 21 58.1–.56	8.82S–.03	74.39W–.04	160–5	4.4b		
IDC	XII	04 04 21 58.4–.44	8.94S	74.41W	146–3	4.4,4.1		
NEIC	XII	04 04 21 59.0–.17	8.90S	74.37W	149	4.6L,4.5b		

ISC Event type fe.

ARE Event type se.

ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=159.0.

IDC Error ellipse: s-maj=12.0km s-min=8.7km az=65.0.

NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=63.0. Felt [II] at Pucallpa. Also felt at Cruzeiro do Sul, Brazil.

(230) Near south coast of eastern Honshu

ISC	**XII**	**04 05 39 04.9–.71**	**35.34N–.05**	**139.06E–.06**	**165–5**	**3.9b**	**37**	**0-93**
NIED	XII	04 05 39 00	35.30N	139.10E	160	3.9W		**¶602390436**
ISCJB	XII	04 05 39 03.9–.39	35.34N–.04	139.05E–.07	170–3	3.8b		
IDC	XII	04 05 39 04.6–.59	35.31N	139.12E	162–4	4.1,3.8		
JMA	XII	04 05 39 05.3–.10	35.31N	139.08E	164–1	3.8,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ60.00000°,λ-35.00000°. NP2:ϕ_s288.00000°,δ61.00000°,λ-145.00000°. $M_0$8.31000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=6.4km az=172.0.

IDC Error ellipse: s-maj=22.8km s-min=6.6km az=71.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s274.00000°,δ69.00000°,λ-129.00000°. NP2: ϕ_s160.00000°,δ43.00000°,λ-31.00000°. Principal axes: T Plg15.0000°,Azm31.0000° ; N Plg36.0000°,Azm290.0000°; P Plg50.0000°,Azm140.0000°

(135) Near coast of central Chile

ISC	**XII**	**04 09 26 12.2–.40**	**32.74S–.03**	**71.76W–.05**	**21–3**	**4.7b**	**341**	**1-176**
SJA	XII	04 09 26 13.8–1.0	32.66S	71.89W	33	4.5L,4.4W		**¶601996030**
ISCJB	XII	04 09 26 14.6–.59	32.72S–.02	71.75W–.06	54–5	4.5b,3.3s		
NEIC	XII	04 09 26 14.1–.63	32.71S	71.75W	38–6	4.6b,4.2L		
GUC	XII	04 09 26 15.8–.53	32.70S	71.55W	53–2	4.2L,4.2L		
IDC	XII	04 09 26 15.6–3.2	32.74S	71.58W	44–28	4.3,4.2L		

ISC Event type fe.

SJA Error ellipse: s-maj=11.6km s-min=14.6km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.9km az=169.4.

NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=5.1km az=85.0. Felt [IV] at Concon, Quillota, Valparaiso and Zapallar; [III] at Puchuncavi and Vina del Mar; [II] at Salamanca, San Felipe and Villa Alemana. Also felt at Limache.

GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.

IDC Error ellipse: s-maj=21.3km s-min=16.5km az=76.0.

(2) Southern Alaska

ISC	**XII**	**04 14 35 32.6–.98**	**61.24N–.03**	**150.80W–.03**	**65–7**		**81**	**0-55**
ISCJB	XII	04 14 35 31.9–.29	61.26N–.02	150.79W–.05	73–4	4.1b		**¶602330073**
IDC	XII	04 14 35 32.0–1.3	61.09N	150.41W	76–27	3.7b,3.6		
NEIC	XII	04 14 35 33.6–.00	61.26N	150.81W	58	3.2L,3.6		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=143.9.

IDC Error ellipse: s-maj=41.5km s-min=9.5km az=112.0.

NEIC Event type fe. Felt at Anchorage and Eagle River. After AEIC.

(479) Colorado

ISC	**XII**	**04 15 15 26.7–.61**	**37.09N–.03**	**104.96W–.03**	**10**		**134**	**0-37**
ISCJB	XII	04 15 15 25.4–.21	37.04N–.02	104.90W–.02	10	3.0b		**¶602035755**
IDC	XII	04 15 15 25.4–.90	37.06N	105.11W	0	3.7,3.5		
NEIC	XII	04 15 15 26.8–.23	37.03N	104.94W	5	3.9L,3.5W		
ANF	XII	04 15 15 26.0–.45	37.08N	105.00W		4.2L,3.5W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=21.7.

IDC Error ellipse: s-maj=18.6km s-min=9.6km az=86.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=212.0. Felt at Trinidad and Weston. Moment Tensor Solution. s13 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.98 $M_{\theta\theta}$0.14 $M_{\phi\phi}$1.84 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s155.00000°,δ48.00000° ,λ-102.00000°. NP2:ϕ_s353.00000°,δ44.00000°,λ-77.00000°. Principal axes: T 2.0000,Plg2.0000°,Azm254.0000°; N 0.0300,Plg9.0000°,Azm163.0000° ; P -2.0400,Plg81.0000°,Azm356.0000° $M_0$2.00000×10^{14}

ANF Error ellipse: s-maj=4.4km s-min=3.5km az=2.0.

(12) Alaska Peninsula

ISC	**XII**	**04 17 27 54.3–.69**	**58.76N–.05**	**155.27W–.05**	**144–7**	**3.6b**	**168**	**0-65**
IDC	XII	04 17 27 52.4–1.5	58.88N	155.39W	114–13	3.7,3.6		**¶601996047**
ISCJB	XII	04 17 27 53.4–.20	58.77N–.03	155.27W–.05	150–2	3.5b,3.6		
NEIC	XII	04 17 27 56.5–.00	58.66N	155.05W	137	3.4L,3.6		

ISC Event type fe.

IDC Error ellipse: s-maj=21.2km s-min=13.6km az=56.0.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.6km az=139.8.

NEIC Event type fe. Felt at Kenai and Kodiak. After AEIC.

(368) Southern Greece

ISC	**XII**	**04 18 59 43.6–.61**	**36.92N–.02**	**23.07E–.02**	**20–2**	**4.9b**	**814**	**0-120**
BJI	XII	04 18 59 40.2	36.90N	23.10E	10	5.1b,5.1s		**¶601996051**
HLW	XII	04 18 59 40.5	37.09N	23.36E	10–30	4.8L,4.7		
IDC	XII	04 18 59 40.3–.42	36.94N	23.18E	0	4.5,4.4		
MOS	XII	04 18 59 41.6–1.1	36.93N	23.15E	15	4.9b,4.4		
ATH	XII	04 18 59 42.5	36.92N	23.08E	25–0	4.3L,4.4		
THE	XII	04 18 59 43.3	36.93N	23.07E	7–0	4.3L,4.4		
NEIC	XII	04 18 59 43.3–.00	36.93N	23.07E	7	4.9b,4.3L		
PDG	XII	04 18 59 43.0–.62	36.95N	23.12E	13–1	4.4L,4.3L		
BEO	XII	04 18 59 44.3–1.3	36.88N	23.36E	15	4.4L,4.3L		
ISCJB	XII	04 18 59 44.8–.18	36.94N–.01	23.07E–.01	42–1	4.8b,3.6s		
DDA	XII	04 19 00 01.9	37.55N	24.84E	17	3.9L,3.6s		
TIR	XII	04 19 00 06.6	37.64N	22.54E	7	4.5,3.6s		

ISC Event type fe.

IDC Error ellipse: s-maj=10.7km s-min=9.9km az=68.0.

MOS Error ellipse: s-maj=5.5km s-min=3.1km az=86.5.

ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=227.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=226.0.

NEIC Event type fe. Felt at Vrilissia. After THE.

PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.

BEO Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=40.2.

DDA Event type ke.

(224) Hokkaido region

ISC	**XII**	**04 21 52 08.3–.49**	**41.91N–.04**	**142.36E–.03**	**67–4**	**4.4b**	**188**	**0-93**
BJI	XII	04 21 52 01.8	41.84N	142.81E	56	5.0b,4.5b		**¶601996054**
MOS	XII	04 21 52 06.7–.81	41.91N	142.34E	71	4.6b,4.5b		
ISCJB	XII	04 21 52 06.9–.27	41.92N–.03	142.34E–.03	71–2	4.2b,4.5b		
JMA	XII	04 21 52 07.0–.20	41.92N	142.33E	69–3	4.4,4.5b		
NEIC	XII	04 21 52 08.3–.41	41.95N	142.35E	71–3	4.4b,4.5b		
IDC	XII	04 21 52 09.5–1.7	41.99N	142.29E	80–12	4.1,4.0		

ISC Event type fe.

MOS Error ellipse: s-maj=7.8km s-min=6.3km az=77.6.

ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=146.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s37.00000°,δ66.00000°,λ102.00000°. NP2: ϕ_s190.00000°,δ27.00000°,λ66.00000°. Principal axes: T Plg67.0000°,Azm328.0000° ; N Plg11.0000°,Azm212.0000°; P Plg20.0000°,Azm118.0000°

NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=157.0. Felt at Biei.

IDC Error ellipse: s-maj=16.6km s-min=10.1km az=135.0.

(228) Near east coast of eastern Honshu

JMA	**XII**	**04 22 40 40.3–.10**	**37.06N**	**141.37E**	**32–1**	**3.5**		
								¶606067557

JMA Event type fe.

(226) Near west coast of eastern Honshu

ISC	**XII**	**04 23 02 51.9–.96**	**37.26N–.04**	**138.88E–.04**	**12–6**	**4.0b**	**54**	**0-79**
IDC	XII	04 23 02 50.2–.68	37.32N	138.80E	0	4.0,3.8L		**¶601996056**
ISCJB	XII	04 23 02 51.7–.40	37.26N–.03	138.89E–.04	26–3	4.0s,3.9b		
JMA	XII	04 23 02 52.5	37.25N	138.94E	11–1	4.1,3.9b		
NEIC	XII	04 23 02 54.1–1.1	37.18N	138.76E	29–8	4.3b,3.9b		

ISC Event type se.

IDC Error ellipse: s-maj=22.9km s-min=8.8km az=111.0.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.1km az=34.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s19.00000°,δ63.00000°,λ47.00000°. NP2:ϕ_s263.00000°,δ50.00000°,λ144.00000°. Principal axes: T Plg51.0000°,Azm238.0000°; N Plg38.0000°,Azm42.0000°; P Plg8.0000° ,Azm138.0000°

NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=6.4km az=66.0. Recorded [3 JMA] in Niigata.

(221) Kuril Islands

ISC	**XII**	**05 01 10 46.6–.53**	**44.25N–.04**	**147.75E–.04**	**89–4**	**4.7b**	**855**	**1-153**
NIED	XII	05 01 10 00	43.90N	147.80E	92	4.6W		**¶601996061**
BJI	XII	05 01 10 44.8	44.43N	147.86E	87	5.0b,4.9b		
ISCJB	XII	05 01 10 46.6–.25	44.25N–.02	147.73E–.02	99–2	4.7b,4.9b		
MOS	XII	05 01 10 46.9–1.2	44.23N	147.71E	102	4.9b,4.9b		
NEIC	XII	05 01 10 47.2–.13	44.26N	147.70E	90	4.7b,4.9b		
JMA	XII	05 01 10 48.1–.30	43.93N	147.80E	94	5.0,4.9b		
IDC	XII	05 01 10 48.1–1.5	44.30N	147.76E	100–12	4.7,4.5		
SKHL	XII	05 01 10 48.2–.80	44.22N	147.74E	96–6	5.3b,5.0s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ36.00000°,λ-74.00000°. NP2:ϕ_s232.00000°,δ55.00000°,λ-101.00000°. $M_0$8.29000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=159.3.

MOS Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=104.1. Felt (III) at Malokuril'skoye. Moment Tensor Solution.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.3km az=161.0. Recorded [1 JMA] in eastern Hokkaido.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

IDC Error ellipse: s-maj=11.4km s-min=8.4km az=158.0.

SKHL Event type fe. Felt (III) at Malokuril'skoe, (II) at Yushno-Kuril'sk.

(381) Central Italy

ISC	**XII**	**05 01 18 21.1–.80**	**42.92N–.02**	**13.59E–.02**	**18–2**	**4.0b,3.3s**	**427**	**0-74**
PRU	XII	05 01 17 59.2–.00	40.89N	14.15E	126	4.0b,3.3s		**¶606860096**
BEO	XII	05 01 18 16.5–.60	42.59N	13.41E	10	4.3L,3.3s		
IDC	XII	05 01 18 18.3–.78	42.93N	13.42E	0	3.9,3.8b		
PDG	XII	05 01 18 19.9–.99	42.98N	13.70E	15–1	4.0L,3.8b		
NEIC	XII	05 01 18 19.7–.00	42.99N	13.71E	12	4.0L,3.8b		
ROM	XII	05 01 18 20.3–.09	42.915N–.00	13.662E–.01	18–1	4.0L,3.8b		
ISCJB	XII	05 01 18 20.2–.16	42.93N–.01	13.65E–.01	30–1	3.9b,3.4s		
LDG	XII	05 01 18 21.7–.22	42.88N	13.64E	10	3.6L,3.4s		
STR	XII	05 01 18 22.2–1.9	43N–14	14E–11	2	5.5b,5.0		

ISC Event type fe.

PRU Double Event?.

BEO Event type ke.

PDG Event type ke.

NEIC Event type fe. Felt [IV] in the Ascoli Piceno-San Benedetto del Tronto area and [III] at Teramo. Felt in much of Abruzzo, Marche and Umbria. After ROM.

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISCJB Event type fe.

LDG Event type ke.

STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/ldg_taup-2.11. preliminary.

(39) Central California

ISC	**XII**	**05 12 52 25.2–1.0**	**35.19N–.02**	**119.26W–.02**	**23–11**		**74**	**0-3**
ANF	XII	05 12 52 24.5–.18	35.20N	119.25W	24–3	2.8L		**¶602000851**
NEIC	XII	05 12 52 25.5–.00	35.20N	119.26W	25	2.9L		
PAS	XII	05 12 52 25.5	35.20N	119.26W	25	2.9L		
SCEDC	XII	05 12 52 25.5	35.19N	119.26W	24	2.9L		

ISC Event type fe.

ANF Error ellipse: s-maj=1.7km s-min=1.4km az=139.0.

NEIC Event type fe. Felt at Bakersfield. After PAS.

(136) Central Chile

ISC	**XII**	**05 16 25 32.7–.53**	**28.65S–.03**	**70.64W–.05**	**91–4**		**98**	**0-175**
IDC	XII	05 16 25 29.8–2.5	28.76S	70.40W	59–22	3.9,3.9		**¶601996087**
NEIC	XII	05 16 25 31.7–.47	28.64S	70.21W	75–5	4.6b,4.4L		
SJA	XII	05 16 25 31.9–.77	28.66S	70.66W	95–4	4.4L,4.0W		
BJI	XII	05 16 25 32.5	28.60S	70.00W	97	5.7b,4.0W		
GUC	XII	05 16 25 32.9–.59	28.77S	70.28W	81–5	4.4L,4.0W		
ISCJB	XII	05 16 25 32.4–.33	28.64S–.03	70.62W–.05	100–3	4.3b,4.0W		

ISC Event type fe.

NEIC Event type fe. Felt [III] at Alto del Carmen, Copiapo, Tierra Amarilla and Vallenar.

ISCJB Event type fe.

(348) Northern and central Iran

ISC	**XII**	**05 17 08 13.5–.45**	**33.51N–.02**	**59.61E–.02**	**13–2**	**5.7s,5.5b**	**1473**	**0-164**
ISCJB	XII	05 17 08 10.2–.37	33.54N–.01	59.62E–.01	1–2	5.6s,5.5b		**¶601996088**
IDC	XII	05 17 08 11.1–.30	33.46N	59.61E	0	5.3s,5.3		
TEH	XII	05 17 08 11.6	33.49N	59.55E	8	5.6L,5.3		
THR	XII	05 17 08 12.3–.32	33.47N	59.56E	14–10	5.4L,5.3		
MOS	XII	05 17 08 12.2–.99	33.45N	59.52E	17	5.7b,5.5s		
NEIC	XII	05 17 08 12.0–.00	33.49N	59.31E	11	5.7b,5.5s		
GCMT	XII	05 17 08 12.6–.10	33.41N–.01	59.60E–.01	15	5.8W,5.5s		
DSN	XII	05 17 08 12.2–.49	33.63N	59.49E	6	5.4s,5.4b		
BJI	XII	05 17 08 12.2	33.71N	59.85E	6	6.0s,5.8		
OMAN	XII	05 17 08 13.5–1.4	33.48N	59.76E	5	6.0s,5.8		

NEIC XII 05 17 08 13.6–1.5 33.51N 59.57E 14–9 5.8W,5.6W
NNC XII 05 17 08 16.6–2.2 33.82N 60.00E 0 5.8,5.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=16.5.
IDC Error ellipse: s-maj=7.9km s-min=6.1km az=176.0.
THR Error ellipse: s-maj=2.6km s-min=4.2km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=3.1km az=123.7.
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.40 $M_{\theta\theta}$-1.79 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.78 $M_{\theta\phi}$3.57 $M_{\phi r}$3.72 Best double couple: NP1:ϕ_s347.00000° ,δ72.00000°,λ132.00000°. NP2:ϕ_s96.00000°,δ45.00000°,λ26.00000°. Principal axes: T 5.9000,Plg45.0000°,Azm300.0000°; N -0.5700,Plg39.0000°,Azm151.0000° ; P -5.3300,Plg15.0000°,Azm47.0000° M_o5.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c203; s134,c354; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.92±.04 $M_{\theta\theta}$-1.70±.04; $M_{\phi\phi}$-0.22±.04; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$3.90±.03; $M_{\phi r}$3.82±.13; Best double couple: NP1:ϕ_s348.00000°,δ76.00000° ,λ133.00000°. NP2:ϕ_s92.00000°,δ45.00000°,λ19.00000°. Principal axes: T 5.7300,Plg42.0000°,Azm298.0000°; N 0.0440,Plg42.0000°,Azm155.0000° ; P -5.7800,Plg19.0000°,Azm47.0000° M_o5.75500×10^{17}
DSN Error ellipse: s-maj=8.7km s-min=6.2km az=103.0.
OMAN Error ellipse: s-maj=38.2km s-min=26.2km az=298.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=194.0. Felt [IV] at Qayen. Also felt at Birjand. Felt at Herat and Shindand, Afghanistan. Moment Tensor Solution. s66 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.43 $M_{\theta\phi}$2.65 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s91.00000°,δ60.00000°,λ28.00000°. NP2:ϕ_s346.00000° ,δ66.00000°,λ146.00000°. Principal axes: T 2.9000,Plg40.0000°,Azm306.0000° ; N 0.6000,Plg50.0000°,Azm135.0000°; P -3.5100,Plg4.0000°,Azm40.0000° M_o3.30000×10^{17}
NNC Event type se. Error ellipse: s-maj=25.6km s-min=15.3km az=26.0.

(372) Cyprus region

ISC	**XII**	**05 17 17 47.4–1.1**	**34.73N–.03**	**33.19E–.04**	**11–9**		**57**	**0-5**
ISCJB	XII	05 17 17 46.8–.47	34.71N–.02	33.16E–.04	14–4			**¶601996089**
DDA	XII	05 17 17 46.4	34.75N	33.25E	7	3.2L		
ISK	XII	05 17 17 46.2	34.72N	33.13E	18–0	3.1L		
NIC	XII	05 17 17 47.2–.20	34.73N	33.15E	5	3.2L		
GII	XII	05 17 17 49.6–.00	34.58N	33.45E	1	2.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=169.0.
DDA Event type ke.
ISK Event type ke.
NIC Event type fe. Felt I=II MM at Lemesos.
GII Event type ke.

(248) Philippine Islands region

ISC	**XII**	**06 00 43 22.9–.34**	**10.97N–.02**	**126.68E–.04**	**22–3**	**5.3b,5.0s**	**891**	**1-173**
BJI	XII	06 00 43 17.9	10.58N	126.92E	26	5.5b,5.2s		**¶601996104**
IDC	XII	06 00 43 19.3–.30	10.92N	126.60E	0	5.1,5.1		
ISCJB	XII	06 00 43 21.0–.71	11.02N–.02	126.70E–.02	19–5	5.2b,5.0s		
KLM	XII	06 00 43 23.0	10.76N	126.83E	10	5.5b,5.0s		
MOS	XII	06 00 43 23.1–1.1	11.02N	126.61E	34	5.5b,5.0s		
MAN	XII	06 00 43 23.9	11.06N	126.58E	26	5.9b,5.4s		
NEIC	XII	06 00 43 24.1–1.2	10.97N	126.64E	31–8	5.4b,5.1s		
GCMT	XII	06 00 43 25.1–.10	11.01N–.01	126.68E–.01	12	5.5W,5.1s		
DJA	XII	06 00 43 28.3–.60	11N–3.0	127E–3.0	59–5	6.0,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V PIVS] at Mercedes; [IV PIVS] at Borongan and General MacArthur; [III PIVS] at Catbalogan, Samar. Felt [IV PIVS] at Tacloban; [III PIVS] at Dulag, Jaro and Tolosa; [II PIVS] at Capoocan and Dagami, Leyte. Also felt at Palo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c169; s137,c256;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.06±.02 $M_{\theta\theta}$0.14±.02; $M_{\phi\phi}$1.92±.03; $M_{r\theta}$-0.15±.08; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.13±.07; Best double couple: NP1:ϕ_s345.00000°,δ46.00000°,λ-82.00000°. NP2:ϕ_s153.00000°,δ44.00000°,λ-98.00000°. Principal axes: T 2.2340,Plg1.0000° ,Azm69.0000°; N -0.1570,Plg6.0000°,Azm159.0000°; P -2.0800,Plg84.0000°,Azm331.0000° M_o2.15700×10^{17}

(286) Flores region

ISC	**XII**	**06 04 09 05.5–.36**	**8.39S–.04**	**120.49E–.04**	**35**	**4.6b**	**110**	**1-154**
IDC	XII	06 04 09 00.4–.59	8.13S	120.49E	0	4.5,4.4		**¶601996109**
ISCJB	XII	06 04 09 04.6–.23	8.42S–.03	120.44E–.03	33	4.7b,2.9s		
DJA	XII	06 04 09 08.4–.60	8S–2.0	120E–2.0	24–6	5.4b,4.9		
NEIC	XII	06 04 09 08.5–.72	8.35S	120.43E	63–8	4.5b,4.9		

ISC Event type fe.
IDC Error ellipse: s-maj=25.0km s-min=11.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=41.2.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.9km az=54.0. Felt [III] at Ruteng.

(228) Near east coast of eastern Honshu

JMA	**XII**	**06 04 42 16.1**	**38.48N**	**141.99E**	**46–1**	**3.5**		**¶606067916**

JMA Event type fe.

(22) Queen Charlotte Islands region

ISC	**XII**	**06 05 28 00.2–.77**	**52.93N–.03**	**132.30W–.03**	**12–4**	**4.6b,3.8s**	**514**	**0-146**
IDC	XII	06 05 27 57.4–.62	52.77N	132.44W	0	4.4,4.4b		**¶602005973**
PGC	XII	06 05 27 59.1–.69	52.86N	132.46W	21–0	4.8L,4.6W		
ISCJB	XII	06 05 28 00.0–.31	53.00N–.02	132.30W–.04	21–2	4.5b,3.8s		
NEIC	XII	06 05 28 01.0–.17	53.00N	132.37W	10	4.6W,4.4b		
GCMT	XII	06 05 28 05.0–.30	52.94N–.03	132.33W–.06	20–1	4.9W,4.4b		

ISC Event type fe.
PGC Event type ke. 61km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe.
NEIC Event type fe. Felt at Prince Rupert. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s77,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.18 $M_{\theta\theta}$-1.30±.11; $M_{\phi\phi}$-1.42±.10; $M_{r\theta}$0.36±.24; $M_{\theta\phi}$0.71±.06; $M_{\phi r}$-0.27±.23; Best double couple: NP1:ϕ_s136.00000°,δ50.00000°,λ88.00000°. NP2:ϕ_s319.00000°,δ40.00000°,λ92.00000°. Principal axes: T 2.7530,Plg85.0000° ,Azm33.0000°; N -0.6510,Plg1.0000°,Azm137.0000°; P -2.1120,Plg5.0000°,Azm227.0000° M_o2.43200×10^{16}

(202) New Guinea

ISC	**XII**	**06 06 11 42.2–.58**	**4.35S–.06**	**143.44E–.07**	**110–5**	**4.6b**	**87**	**3-152**
ISCJB	XII	06 06 11 42.0–.96	4.41S–.04	143.38E–.06	119–9	4.6b		**¶601996114**
IDC	XII	06 06 11 42.2–.55	4.36S	143.43E	108–4	4.6,4.3		
NEIC	XII	06 06 11 43.0–1.0	4.39S	143.38E	115–9	4.7b,4.3		
DJA	XII	06 06 11 43.7–.90	4S–10	143E–9.0	94–10	5.0b,4.9		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Mendi.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 07 18 55.5–2.2**	**37.08N–.05**	**141.37E–.07**	**11–13**	**3.5b**	**27**	**0-147**
NIED	XII	06 07 18 00	37.10N	141.20E	35	3.7W		**¶602390537**
IDC	XII	06 07 18 54.1–1.1	37.00N	141.41E	0	3.7,3.6L		
ISCJB	XII	06 07 18 55.4–1.3	37.07N–.04	141.44E–.07	16–8	3.5b,3.1s		
JMA	XII	06 07 18 58.3–.10	37.08N	141.23E	37–1	4.0,3.1s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ17.00000°,λ-19.00000°. NP2:ϕ_s128.00000°,δ85.00000°,λ-106.00000°. M_o3.64000×10^{14}
IDC Error ellipse: s-maj=32.7km s-min=21.7km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.6km az=34.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 10 17 33.8–.67**	**36.53N–.04**	**140.78E–.05**	**40–6**	**4.2b,3.5s**	**121**	**0-147**
NIED	XII	06 10 17 00	36.40N	140.70E	56	4.5W,3.5s		**¶601996741**
MOS	XII	06 10 17 31.8–1.1	36.47N	140.81E	44	4.4b,3.5s		
ISCJB	XII	06 10 17 33.5–.36	36.45N–.03	140.80E–.04	58–2	4.2b,3.5s		
JMA	XII	06 10 17 34.6–.10	36.43N	140.69E	52–1	4.3,3.5s		
IDC	XII	06 10 17 35.3–1.5	36.47N	140.78E	53–13	4.1,4.0		
NEIC	XII	06 10 17 36.1–.67	36.46N	140.67E	63–6	4.4b,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ24.00000°,λ76.00000°. NP2:ϕ_s14.00000°,δ67.00000°,λ96.00000°. M_o5.76000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=6.9km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=27.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ63.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ27.00000°,λ88.00000°. Principal axes: T Plg72.0000°,Azm298.0000°; N Plg1.0000°,Azm205.0000°; P Plg18.0000° ,Azm115.0000°
IDC Error ellipse: s-maj=11.6km s-min=8.5km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.4km az=96.0. Felt in the Iwaki-Tokyo area. Recorded [3 JMA] in Ibaraki.

(2) Southern Alaska

ISC	**XII**	**06 14 19 40.4–.86**	**61.49N–.02**	**148.28W–.02**	**15–6**	**3.9b**	**100**	**0-65**
IDC	XII	06 14 19 38.0–.89	61.28N	148.44W	0	3.8,3.7b		**¶602068749**
ISCJB	XII	06 14 19 40.5–.33	61.58N–.02	148.23W–.03	9–3	3.7b,3.2s		
NEIC	XII	06 14 19 41.0–.00	61.58N	148.24W	12	3.5L,3.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=25.4.
NEIC Event type fe. Felt at Palmer. After AEIC.

(368) Southern Greece

ISC	**XII**	**06 17 48 16.1–.68**	**36.91N–.02**	**23.09E–.02**	**20–3**	**5.0b,3.9s**	**606**	**0-145**
BJI	XII	06 17 48 12.6	36.90N	23.10E	13	5.3b,5.0b		**¶602000865**
MOS	XII	06 17 48 13.2–1.4	36.92N	23.05E	10	5.1b,5.0b		
HLW	XII	06 17 48 14.8	37.14N	23.44E	35–37	4.5L,5.0b		
NEIC	XII	06 17 48 15.1–.19	36.93N	23.13E	10	4.7b,4.4W		
ATH	XII	06 17 48 15.3	36.93N	23.08E	20–1	4.3L,4.4W		
THE	XII	06 17 48 16.1	36.93N	23.02E	9–1	4.2L,4.4W		
ISCJB	XII	06 17 48 16.0–.26	36.91N–.01	23.09E–.02	29–2	4.8b,3.7s		
BEO	XII	06 17 48 16.1–1.3	36.82N	23.10E	10	4.1L,3.7s		
IDC	XII	06 17 48 17.4–2.9	36.95N	23.17E	28–20	4.4,4.4b		
DDA	XII	06 17 48 21.6	37.31N	22.61E	36	4.4L,4.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=79.9.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=220.0. Felt at Korythio. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.70 $M_{\theta\theta}$0.06 $M_{\phi\phi}$3.64 $M_{r\theta}$-0.13 $M_{\theta\phi}$-1.86 $M_{\phi r}$1.22 Best double couple: NP1:ϕ_s163.00000°,δ53.00000°,λ-82.00000°. NP2: ϕ_s330.00000°,δ37.00000°,λ-100.00000°. Principal axes: T 4.6000,Plg8.0000°,Azm248.0000° ; N -0.6900,Plg6.0000°,Azm338.0000°; P -3.9100,Plg80.0000°,Azm106.0000° M_o4.30000×10^{15}
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=160.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=248.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=44.6.
BEO Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=4.0.
DDA Event type ke.

(546) Austria

ISC	**XII**	**06 19 21 59.9–.80**	**47.19N–.01**	**11.08E–.01**	**12–5**		**336**	**0-7**
ROM	XII	06 19 21 59.8–.36	47.15N–.02	11.11E–.01	8–2	2.8L		**¶602005569**
ZUR	XII	06 19 21 59.9	47.16N	11.13E	21–2	3.0		
LDG	XII	06 19 21 59.8–.11	47.26N	11.19E	2	3.1L		
VIE	XII	06 19 21 59.5–.15	47.18N	11.09E	8–2	3.2L,2.6b		
BGR	XII	06 19 22 00.9–.43	47.21N	11.04E	10	3.1L,2.6b		
PRU	XII	06 19 22 01.0–.00	47.31N	11.11E	2	3.1L,2.6b		
STR	XII	06 19 22 06.1–1.3	47N–5.0	11E–5.0	24–8	3.8,3.7		

ISC Event type fe.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke.
LDG Event type ke.
VIE Event type fe. 6 km WSW of Gries im Sellrain . felt 5 ems98 in Stubaier Alpen / Tyrol felt 5 ems98 in Stubaier Alpen / Tyrol.
VIE Event type fe. Objects toppled down.
PRU Umhausen.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 20 32 04.6–.51**	**35.63N–.03**	**140.20E–.04**	**64–4**	**4.7b**	**364**	**0-153**
BJI	XII	06 20 31 59.7	35.47N	140.66E	67	5.0b,4.6b		**¶602005571**
NIED	XII	06 20 32 00	35.60N	140.20E	65	4.8W,4.6b		
MOS	XII	06 20 32 03.3–1.1	35.61N	140.15E	63	4.9b,4.6b		
NEIC	XII	06 20 32 03.8–1.1	35.54N	140.09E	54–10	4.8b,4.6b		
ISCJB	XII	06 20 32 04.4–.26	35.55N–.02	140.12E–.03	72–2	4.6b,4.6b		
JMA	XII	06 20 32 04.3–.20	35.65N	140.17E	67–2	4.6,4.6b		
GCMT	XII	06 20 32 06.8–.40	35.53N–.02	140.26E–.03	53–1	4.9W,4.6b		
IDC	XII	06 20 32 06.0–.88	35.51N	140.12E	78–7	4.4,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ30.00000°,λ127.00000°. NP2:ϕ_s351.00000°,δ67.00000°,λ71.00000°. M_o1.55000×10^{16}
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=117.4.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=140.0. Felt [III] at Chiba and Yokohama and [II] at Tokyo. Felt in parts of east-central Honshu. Recorded [3 JMA] in Chiba.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.6km az=135.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s8.00000°,δ72.00000°,λ97.00000°. NP2: ϕ_s165.00000°,δ19.00000°,λ68.00000°. Principal axes: T Plg62.0000°,Azm289.0000° ; N Plg7.0000°,Azm186.0000°; P Plg27.0000°,Azm92.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c50; s61,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.12 $M_{\theta\theta}$0.16±.10; $M_{\phi\phi}$-2.43±.08; $M_{r\theta}$-0.42±.07; $M_{\theta\phi}$-0.36±.07; $M_{\phi r}$0.93±.07; Best double couple: NP1:ϕ_s355.00000°,δ56.00000°,λ75.00000°. NP2:ϕ_s201.00000°,δ36.00000°,λ111.00000°. Principal axes: T 2.5450,Plg74.0000° ,Azm224.0000°; N 0.0870,Plg12.0000°,Azm3.0000°; P -2.6340,Plg10.0000°,Azm96.0000° M_o2.58900×10^{16}
IDC Error ellipse: s-maj=10.3km s-min=5.5km az=79.0.

(124) Chile-Bolivia border region

ISC	**XII**	**06 20 42 16.1–.36**	**21.98S–.03**	**68.54W–.05**	**117–3**	**4.6b**	**198**	**1-169**
ISCJB	XII	06 20 42 14.3–.33	22.00S–.03	68.43W–.05	112–3	4.5b		**¶602005572**
SJA	XII	06 20 42 15.2–.72	22.05S	68.68W	127–5	4.2L,3.6W		
NEIC	XII	06 20 42 16.0–.00	21.97S	68.68W	111	4.7L,4.6b		
GUC	XII	06 20 42 16.3–.62	21.97S	68.68W	111–4	4.7L,4.6b		
IDC	XII	06 20 42 16.5–.53	21.94S	68.37W	117–5	4.5,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=171.4.
SJA Error ellipse: s-maj=2.3km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt [IV] at Calama and [III] at Oficina Maria Elena and Tocopilla. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=12.8km az=94.0.

(710) Pakistan

ISC	**XII**	**06 23 26 56.5–.37**	**28.36N–.05**	**66.27E–.04**	**35**	**4.2b,3.7s**	**159**	**6-122**
IDC	XII	06 23 26 51.6–.71	28.34N	66.24E	0	4.1,4.0		**¶602006321**
NEIC	XII	06 23 26 53.7–2.7	28.40N	66.16E	11–17	4.3b,4.0		
ISCJB	XII	06 23 26 54.2–.20	28.28N–.03	66.22E–.02	33	4.2b,3.6s		
MOS	XII	06 23 26 57.6–1.3	28.61N	66.19E	42	4.4b,3.6s		
OMAN	XII	06 23 27 41.9–24	26.82N	62.65E	8	4.4b,3.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=13.8km az=18.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=165.0. Felt at Quetta.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=172.5.
MOS Error ellipse: s-maj=10.3km s-min=6.5km az=72.6.
OMAN Error ellipse: s-maj=485.5km s-min=33.6km az=242.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**07 01 03 52.1–1.8**	**36.72N–.03**	**141.29E–.07**	**7–10**	**3.7b**	**31**	**1-147**
NIED	XII	07 01 03 00	36.70N	141.20E	5	3.5W		**¶602390568**
IDC	XII	07 01 03 51.4–1.1	36.71N	141.25E	0	3.8,3.8b		
ISCJB	XII	07 01 03 52.3–1.1	36.70N–.03	141.34E–.07	20–6	3.7b,3.8b		
JMA	XII	07 01 03 53.5–.10	36.70N	141.25E	33–1	3.9,3.8b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ46.00000°,λ-68.00000°. NP2:ϕ_s6.00000°,δ48.00000°,λ-111.00000°. M_o2.33000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=18.7km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.2km az=11.8.
JMA Event type fe.

(192) New Britain region

ISC	**XII**	**07 02 25 45.5–.46**	**5.34S–.04**	**151.55E–.05**	**100–4**	**5.0b**	**347**	**1-152**

BJI XII 07 02 25 41.2 5.62S 151.78E 94 5.2b,4.9b ¶602005583
MOS XII 07 02 25 44.7–.99 5.20S 151.41E 100 5.0b,4.9b
ISCJB XII 07 02 25 45.5–.73 5.30S–.03 151.39E–.03 105–6 4.9b,4.9b
IDC XII 07 02 25 45.7–.58 5.31S 151.54E 101–4 4.9,4.7
NEIC XII 07 02 25 46.5–.60 5.29S 151.43E 106–5 5.0b,4.7
GCMT XII 07 02 25 47.5–.30 5.36S–.02 151.47E–.02 115–3 5.0W,4.7
DJA XII 07 02 25 51.9–1.7 5S–7.0 151E–12 139–10 5.5b,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Lae, New Guinea.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c28; s90,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$-1.30±.14; $M_{\phi\phi}$1.77±.14; $M_{r\theta}$-1.08±.09; $M_{\theta\phi}$2.65±.13; $M_{\phi r}$1.74±.08; Best double couple: NP1:ϕ_s167.00000°,δ81.00000°,λ-147.00000°. NP2:ϕ_s72.00000°,δ58.00000°,λ-11.00000°. Principal axes: T 3.5630,Plg15.0000° ,Azm296.0000°; N 0.2680,Plg56.0000°,Azm181.0000°; P -3.8360,Plg29.0000°,Azm34.0000° M_o3.70000×10^{16}

(115) Near coast of Peru

NEIC XII 07 07 07 04.3–1.1 16.42S 74.49W 35 4.0L
ARE XII 07 07 07 01.0–.00 16.03S 74.16W 40 4.0L ¶602032143
NEIC Event type fe. Error ellipse: s-maj=26.3km s-min=10.2km az=54.0. Felt [II] at Chala.
ARE Event type se.

(229) Off east coast of Honshu

ISC XII 07 08 18 23.6–.16 37.82N–.02 144.16E–.02 35–2 7.3s,7.0b 3116 2-162
NIED XII 07 08 18 00 37.80N 144.20E 11 7.3W,7.0b ¶602005586
IDC XII 07 08 18 17.9–.29 37.91N 144.09E 0 7.3,7.3s
BJI XII 07 08 18 19.5 37.78N 144.16E 32 7.6,7.6s
MOS XII 07 08 18 20.8–.96 37.95N 144.05E 25 7.5s,7.2b
ISCJB XII 07 08 18 20.2–.49 37.89N–.01 144.04E–.01 21–3 7.3s,6.9b
NEIC XII 07 08 18 23.1–.06 37.89N 143.95E 31 7.4,7.3W
NEIC XII 07 08 18 24.0–.00 38.19N 144.47E 35 7.4,7.3W
JMA XII 07 08 18 30.8–.30 38.02N 143.87E 49 7.3,7.3W
GCMT XII 07 08 18 46.3–.10 37.77N–.01 143.83E–.01 20–0 7.2W,7.3W
ISC Event type de.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ16.00000°,λ-54.00000°. NP2:ϕ_s6.00000°,δ77.00000°,λ-100.00000°. M_o8.75000×10^{19}
MOS Event type fe. Fault plane solution: P-wave C241, D33 . Felt (III-IV) at Malokuril'skoye; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ66.00000°,λ44.00000°. NP2:ϕ_s60.00000°,δ50.00000°,λ148.00000°. Principal axes: T Plg48.0000°,Azm33.0000°; N Plg41.0000°,Azm194.0000°; P Plg10.0000° ,Azm293.0000° M_o2.20000×10^{20}
ISCJB Event type de.
NEIC Event type de. At least 5 people injured in Miyagi and 5 injured in Tokyo. Felt [V] from Aomori to Kawasaki and from Koriyama to Sendai; [IV] at Fussa, Narita, Tokyo and Yokosuka and in Yokohama; [III] in Niigata and at Sagamihara. Felt widely in northern Honshu and parts of southern Hokkaido. Recorded [5L JMA] in Aomori, Ibaraki, Iwate, Miyagi and Tochigi. A tsunami was recorded with a wave height [above sea level] of 17 cm at Ofunato. Apparent Stress 1.78 MPa. Complex earthquake observed on broadband displacement seismograms, with at least one large event following an initial small onset. Depths 31 and 36 km for the initial small onset and first large event, respectively, from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s112 Moment tensor: Scale 10^{19}Nm; M_{rr}8.53 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-8.81 $M_{r\theta}$2.33 $M_{\theta\phi}$-1.36 $M_{\phi r}$-3.26 Best double couple: NP1:ϕ_s172.00000°,δ56.00000°,λ71.00000°. NP2:ϕ_s24.00000° ,δ38.00000°,λ116.00000°. Principal axes: T 9.8000,Plg71.0000°,Azm36.0000° ; N -0.3100,Plg16.0000°,Azm183.0000°; P -9.4900,Plg9.0000°,Azm276.0000° M_o9.70000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ31.00000°,λ107.00000°. NP2:ϕ_s175.00000°,δ60.00000°,λ80.00000°. Principal axes: T Plg73.0000°,Azm60.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000° ,Azm272.0000°
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{20}Nm; M_{rr}0.13 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-0.28 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.11 Best double couple: NP1:ϕ_s186.00000° ,δ85.00000°,λ99.00000°. NP2:ϕ_s303.00000°,δ10.00000°,λ28.00000°. Principal axes: T 1.0800,Plg48.0000°,Azm105.0000°; N 0.1200,Plg8.0000°,Azm5.0000° ; P -1.2000,Plg39.0000°,Azm267.0000° M_o1.10000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c429; s145,c416;Duration: 11s8 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$0.12±.01; Best double couple: NP1:ϕ_s198.00000°,δ50.00000°,λ-90.00000°. NP2:ϕ_s18.00000°,δ40.00000°,λ-90.00000°. Principal axes: T 0.8760,Plg5.0000° ,Azm288.0000°; N -0.2170,Plg0.0000°,Azm198.0000°; P -0.6590,Plg85.0000° ,Azm107.0000° M_o0.76700×10^{20}

(229) Off east coast of Honshu

ISC XII 07 08 31 13.7–.48 37.91N–.03 143.91E–.03 32–3 6.1b 1608 2-160
NIED XII 07 08 31 00 37.90N 143.80E 14 6.1W ¶602005588
ISCJB XII 07 08 31 09.7–.61 37.96N–.01 143.81E–.01 9–3 6.8s,6.0b
BJI XII 07 08 31 09.5 37.82N 143.84E 15 6.4,6.4s
IDC XII 07 08 31 09.2–.30 37.85N 143.94E 0 5.9,5.8
JMA XII 07 08 31 10.2–.20 37.92N 143.86E 30 6.6,5.8
MOS XII 07 08 31 13.0–.96 38.16N 143.77E 24 6.3b,5.8
NEIC XII 07 08 31 14.0–.00 37.84N 143.63E 11 6.3b,5.8
NEIC XII 07 08 31 14.8–.86 37.91N 143.76E 32–6 6.2W,6.1b
GCMT XII 07 08 31 16.8–.30 37.94N–.03 143.90E–.03 25–1 6.2W,6.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ42.00000°,λ-86.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ-93.00000°. M_o1.43000×10^{18}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type se. Moment Tensor Solution. s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$1.60 $M_{r\theta}$-2.27 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.38 Best double couple: NP1:ϕ_s62.00000° ,δ75.00000°,λ-58.00000°. NP2:ϕ_s174.00000°,δ35.00000°,λ-153.00000°. Principal axes: T 2.6000,Plg23.0000°,Azm127.0000°; N 0.5500,Plg30.0000°,Azm232.0000° ; P -3.1400,Plg49.0000°,Azm6.0000° M_o2.90000×10^{18}
NEIC Event type fe. Recorded [3 JMA] in Fukushima and Miyagi.
GCMT nsta1 refers to body waves. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c186;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.36±.20 $M_{\theta\theta}$0.16±.11; $M_{\phi\phi}$2.20±.12; $M_{r\theta}$0.30±.31; $M_{\theta\phi}$1.04±.05; $M_{\phi r}$-0.08±.21; Best double couple: NP1:ϕ_s211.00000°,δ46.00000°,λ-79.00000°. NP2: ϕ_s15.00000°,δ45.00000°,λ-102.00000°. Principal axes: T 2.6370,Plg1.0000°,Azm293.0000° ; N -0.2300,Plg8.0000°,Azm23.0000°; P -2.4050,Plg82.0000°,Azm199.0000° M_o2.52100×10^{18}

(229) Off east coast of Honshu

ISC XII 07 08 48 13.3–.60 37.88N–.03 143.68E–.04 24–4 5.4b 772 2-160
IDC XII 07 08 48 09.2–.35 37.78N 143.74E 0 5.0,4.9 ¶602005589
ISCJB XII 07 08 48 10.6–.87 37.86N–.02 143.60E–.02 14–5 6.2s,5.3b
JMA XII 07 08 48 11.2–.20 37.89N 143.67E 46 5.1,5.3b
MOS XII 07 08 48 12.4–.96 38.02N 143.63E 24 5.5b,5.3b
NEIC XII 07 08 48 13.0–.91 37.83N 143.61E 20–6 5.5b,5.3b
BJI XII 07 08 48 16.7 38.07N 143.01E 33 5.7b,5.7s
ISC Event type se.
IDC Error ellipse: s-maj=10.7km s-min=9.4km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=158.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=97.7.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.0km az=137.0. Recorded [1 JMA] in Miyagi.

(228) Near east coast of eastern Honshu

JMA XII 07 09 02 18.0–.20 35.84N 140.98E 16–2 4.2
¶606068251
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(229) Off east coast of Honshu

ISC XII 07 09 23 02.7–.58 37.84N–.04 144.29E–.05 31–3 4.7b 461 2-158
IDC XII 07 09 22 57.8–.47 37.75N 144.33E 0 4.8L,4.7 ¶602390586
BJI XII 07 09 23 00.6 37.98N 144.38E 31 4.8b,4.8b
MOS XII 07 09 23 00.2–.90 37.87N 144.25E 25 4.9b,4.8b
ISCJB XII 07 09 23 01.5–.93 37.88N–.02 144.20E–.02 32–6 5.8s,4.7b
NEIC XII 07 09 23 03.1–.10 37.80N 144.21E 35 4.7b,4.7b
JMA XII 07 09 23 03.4–.20 37.91N 144.09E 48 5.4,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.4km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=99.9.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=156.6.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=1.9km az=156.0. Recorded [1 JMA] in Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

JMA XII 07 09 23 44.4–.20 36.71N 141.24E 33–2 4.0
¶602390588
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC XII 07 10 40 25.4–1.6 36.75N–.03 141.27E–.05 9–10 3.9b 68 1-147
ISCJB XII 07 10 40 26.6–.67 36.71N–.03 141.24E–.04 28–4 4.1b ¶602330319
JMA XII 07 10 40 26.5 36.70N 141.23E 32–1 4.2
IDC XII 07 10 40 29.7–3.7 36.76N 141.06E 35–30 3.9,3.9
NEIC XII 07 10 40 29.5–.39 36.81N 141.23E 35 4.4b,3.9
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=15.7.
JMA Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=16.4km az=87.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.5km az=139.0. Recorded [2 JMA] in Ibaraki.

(224) Hokkaido region

ISC XII 07 11 34 28.7–2.7 42.95N–.08 145.47E–.05 36–2 37 0-3
ISCJB XII 07 11 34 27.9–1.0 42.94N–.06 145.49E–.07 46–9 ¶603712354
MOS XII 07 11 34 27.5–.91 42.85N 145.53E 39 4.2b
SKHL XII 07 11 34 27.6–.70 42.87N 145.56E 34–3 4.5b
JMA XII 07 11 34 28.1–.10 42.93N 145.48E 46–1 3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.8km az=147.8.
MOS Error ellipse: s-maj=73.0km s-min=15.1km az=77.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(229) Off east coast of Honshu

ISC XII 07 12 58 05.5–.50 37.86N–.03 143.69E–.04 24–3 5.0b 810 2-153
NIED XII 07 12 58 00 37.90N 143.60E 5 4.8W ¶602006336
ISCJB XII 07 12 58 01.8–.84 37.84N–.02 143.63E–.02 8–5 5.0b,4.6s
BJI XII 07 12 58 04.5 37.90N 143.70E 35 5.2b,5.0b
MOS XII 07 12 58 04.0–.92 37.83N 143.67E 25 5.2b,4.6s
JMA XII 07 12 58 04.4–.10 37.92N 143.65E 45 4.9,4.6s
IDC XII 07 12 58 05.3–5.7 37.80N 143.73E 22–37 4.8,4.7
NEIC XII 07 12 58 07.2–.07 37.84N 143.63E 35 5.0b,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ20.00000°,λ-105.00000°. NP2:ϕ_s215.00000°,δ71.00000°,λ-85.00000°. M_o2.08000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=164.0.
MOS Error ellipse: s-maj=6.5km s-min=4.6km az=106.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=12.1km s-min=8.5km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=145.0. Recorded [1 JMA] in Miyagi.

(229) Off east coast of Honshu

ISC XII 07 15 15 31.3–.36 37.88N–.04 143.89E–.04 35 4.9b 468 2-153
NIED XII 07 15 15 00 38.00N 143.60E 5 4.6W ¶602390692
IDC XII 07 15 15 25.6–.45 37.77N 143.88E 0 4.8,4.8
MOS XII 07 15 15 28.0–1.0 38.06N 143.81E 16 5.1b,4.3s
BJI XII 07 15 15 29.4 38.03N 143.92E 38 5.1b,4.9b
JMA XII 07 15 15 29.5–.30 37.96N 143.64E 13 4.7,4.9b
ISCJB XII 07 15 15 30.2–.16 37.93N–.03 143.78E–.02 33 4.8b,4.3s
NEIC XII 07 15 15 31.6–.21 37.87N 143.78E 35 5.0b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ27.00000°,λ-109.00000°. NP2:ϕ_s224.00000°,δ65.00000°,λ-80.00000°. M_o7.55000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=10.6km az=141.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=110.1.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=174.8.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=153.0. Recorded [1 JMA] in Miyagi.

(159) North Island

ISC XII 07 18 19 07.9–.20 38.36S–.03 176.07E–.03 171–1 5.6b 1839 0-179
NEIC XII 07 18 19 06.3–.11 38.43S 176.07E 163 6.4W,6.3W ¶602090156
ISCJB XII 07 18 19 06.8–.10 38.33S–.02 176.05E–.02 169–1 5.6b,6.3W
BJI XII 07 18 19 06.5 38.15S 176.06E 160 6.0b,5.7b
IDC XII 07 18 19 07.1–.23 38.32S 176.48E 172–2 5.7,5.3
WEL XII 07 18 19 07.4 38S–2.0 176E–2.0 168–3 5.7,5.3
MOS XII 07 18 19 07.5–1.4 38.14S 176.07E 171 5.6b,5.3
NEIC XII 07 18 19 08.0–.00 38.23S 176.17E 170 5.6b,5.3
GCMT XII 07 18 19 13.2–.10 38.31S 176.08E 165–0 6.3W,5.3
NEIC XII 07 18 19 26.4–.00 38.21S 176.09E 163 6.3W,5.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=135.0. Felt [IV] at Hastings, Napier and Wellington; [III] at Palmerston North; [II] at Auckland and Tauranga. Felt widely in northern New Zealand from Auckland on the North Island to Havelock and Nelson on the South Island. Apparent Stress 0.04 MPa. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.33 $M_{r\theta}$3.54 $M_{\theta\phi}$-1.87 $M_{\phi r}$0.36 Best double couple: NP1: ϕ_s74.00000°,δ79.00000°,λ118.00000°. NP2:ϕ_s185.00000°,δ30.00000°,λ23.00000°. Principal axes: T 4.4400,Plg49.0000°,Azm14.0000°; N -0.3900,Plg27.0000°,Azm248.0000° ; P -4.0600,Plg28.0000°,Azm142.0000° M_o4.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s70.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm340.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm160.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=157.8.
IDC Error ellipse: s-maj=11.3km s-min=8.2km az=22.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=93.1.
NEIC Event type se. Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.25 $M_{r\theta}$3.13 $M_{\theta\phi}$-1.46 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s75.00000° ,δ81.00000°,λ118.00000°. NP2:ϕ_s181.00000°,δ29.00000°,λ18.00000°. Principal axes: T 3.9200,Plg46.0000°,Azm13.0000°; N -0.6300,Plg27.0000°,Azm250.0000° ; P -3.2900,Plg30.0000°,Azm142.0000° M_o3.60000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c365; s150,c580; Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}1.30±.02 $M_{\theta\theta}$0.22±.02; $M_{\phi\phi}$-1.52±.02; $M_{r\theta}$3.38±.02; $M_{\theta\phi}$-1.45±.02; $M_{\phi r}$0.58±.02; Best double couple: NP1:ϕ_s70.00000°,δ80.00000° ,λ116.00000°. NP2:ϕ_s179.00000°,δ28.00000°,λ21.00000°. Principal axes: T 4.2300,Plg48.0000°,Azm8.0000°; N -0.5410,Plg26.0000°,Azm245.0000° ; P -3.6870,Plg30.0000°,Azm139.0000° M_o3.95800×10^{18}
NEIC Event type se. Moment Tensor Solution. s62 Moment tensor: Scale 10^{18}Nm; M_{rr}1.07 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-1.62 $M_{r\theta}$2.76 $M_{\theta\phi}$-1.88 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s173.00000° ,δ38.00000°,λ18.00000°. NP2:ϕ_s69.00000°,δ79.00000°,λ127.00000°. Principal axes: T 3.7600,Plg43.0000°,Azm15.0000°; N -0.2000,Plg36.0000°,Azm241.0000° ; P -3.5500,Plg25.0000°,Azm131.0000° M_o3.60000×10^{18}

(228) Near east coast of eastern Honshu

ISC XII 07 19 24 58.4–.60 40.85N–.03 142.93E–.03 26–4 4.9b 535 1-148
NIED XII 07 19 24 00 40.80N 143.00E 32 4.6W ¶602032162
BJI XII 07 19 24 56.6 40.85N 143.04E 35 5.2b,4.9b
JMA XII 07 19 24 56.8–.30 40.83N 142.96E 5–3 4.6,4.9b
MOS XII 07 19 24 56.8–.98 40.87N 142.89E 25 5.1b,4.0s
ISCJB XII 07 19 24 59.4–.33 40.84N–.02 142.91E–.03 44–2 4.8b,4.2s
NEIC XII 07 19 25 00.1–.14 40.88N 142.82E 35 4.9b,4.2s
IDC XII 07 19 25 02.2–1.6 40.85N 142.83E 54–14 4.5,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ27.00000°,λ34.00000°. NP2:ϕ_s34.00000°,δ75.00000°,λ113.00000°. M_o8.40000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=97.9.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=140.0. Recorded [2 JMA] in Iwate.
IDC Error ellipse: s-maj=13.0km s-min=8.9km az=110.0.

(503) Louisiana-Texas border region

ISC XII 07 19 38 38.6–1.2 31.91N–.04 94.41W–.04 12–9 141 0-9
NEIC XII 07 19 38 37.8–.42 31.87N 94.40W 5 2.8 ¶602032163
ISCJB XII 07 19 38 38.5–.56 31.89N–.02 94.43W–.02 23–5 2.8

ANF XII 07 19 38 39.8–.37 31.89N 94.43W 19–2 3.9L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.2km az=158.0. Felt [III] at Garrison and Timpson. Also felt at Tyler.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=177.3.
ANF Error ellipse: s-maj=2.8km s-min=1.9km az=169.0.

(207) Eastern New Guinea region

ISC XII 07 19 50 22.6–.45 7.66S–.03 147.01E–.03 133–3 5.5b 1092 2-160
BJI XII 07 19 50 17.7 7.80S 147.59E 131 5.6b,5.5b **¶602030323**
MOS XII 07 19 50 21.8–.84 7.60S 146.94E 134 5.4b,5.5b
ISCJB XII 07 19 50 21.3–.43 7.64S–.02 146.91E–.02 130–4 5.4b,5.5b
IDC XII 07 19 50 23.0–.67 7.69S 146.99E 133–6 5.4,5.1
NEIC XII 07 19 50 23.4–.41 7.66S 146.95E 140–3 5.5b,5.1
DJA XII 07 19 50 25.5–.50 8S–3.0 147E–3.0 151–4 5.8,5.8b
GCMT XII 07 19 50 25.4–.20 7.65S–.01 147.01E–.01 148–2 5.7W,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c63; s120,c209;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.09 $M_{\theta\theta}$-2.67±.09; $M_{\phi\phi}$2.66±.09; $M_{r\theta}$-1.36±.06; $M_{\theta\phi}$0.80±.08; $M_{\phi r}$2.29±.06; Best double couple: NP1:ϕ_s324.00000°,δ89.00000°,λ136.00000°. NP2:ϕ_s55.00000°,δ46.00000°,λ1.00000°. Principal axes: T 3.9810,Plg30.0000° ,Azm270.0000°; N -0.2740,Plg46.0000°,Azm143.0000°; P -3.7070,Plg28.0000° ,Azm18.0000° $M_0$3.84400×10^{17}

(229) Off east coast of Honshu

ISC XII 07 21 20 48.1–2.6 37.58N–.05 143.80E–.05 9–16 4.5b 144 2-149
NIED XII 07 21 20 00 37.60N 143.60E 5 4.3W **¶602063218**
IDC XII 07 21 20 46.3–.62 37.48N 143.89E 0 4.2,4.1
ISCJB XII 07 21 20 47.1–1.2 37.58N–.03 143.71E–.03 13–7 4.5b,3.9s
MOS XII 07 21 20 48.6–1.4 37.56N 143.89E 30 4.6b,3.9s
JMA XII 07 21 20 49.2–.20 37.60N 143.65E 59 4.0,3.9s
NEIC XII 07 21 20 51.6–.22 37.47N 143.83E 35 4.6b,3.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ20.00000°,λ-80.00000°. NP2:ϕ_s181.00000°,δ70.00000°,λ-94.00000°. $M_0$2.78000×10^{15}
IDC Error ellipse: s-maj=17.6km s-min=14.1km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=168.6.
MOS Error ellipse: s-maj=10.3km s-min=7.9km az=100.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.3km az=147.0. Felt at Osaki.

(137) San Juan Province

ISC XII 07 21 31 58.4–.61 31.35S–.04 68.48W–.05 111–5 3.9b 62 0-153
ISCJB XII 07 21 31 57.7–.33 31.38S–.03 68.46W–.04 122–3 4.1b **¶602213313**
SJA XII 07 21 31 58.8–.94 31.41S 68.50W 109–3 4.1L,4.0W
IDC XII 07 21 31 58.1–2.6 31.27S 68.98W 110–23 3.8,3.6
NEIC XII 07 21 31 59.0–.00 31.41S 68.50W 109 4.1,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=1.8.
SJA Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=17.5km az=94.0.
NEIC Event type fe. Felt [III] at San Juan. After SJA.

(229) Off east coast of Honshu

ISC XII 07 21 36 37.8–.57 37.81N–.04 143.68E–.04 30–3 4.7b 233 2-145
NIED XII 07 21 36 00 37.90N 143.50E 8 4.6W **¶602390738**
IDC XII 07 21 36 33.3–.50 37.81N 143.71E 0 4.4,4.3L
JMA XII 07 21 36 36.4–.20 37.95N 143.52E 35 4.6,4.3L
ISCJB XII 07 21 36 36.5–.23 37.86N–.02 143.52E–.03 30 4.6b,4.0s
MOS XII 07 21 36 36.3–1.2 37.93N 143.63E 30 4.9b,4.0s
NEIC XII 07 21 36 38.7–.26 37.82N 143.52E 35 4.8b,4.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ43.00000°,λ-137.00000°. NP2:ϕ_s227.00000°,δ62.00000°,λ-56.00000°. $M_0$7.91000×10^{15}
IDC Error ellipse: s-maj=14.7km s-min=10.8km az=113.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=154.2.
MOS Error ellipse: s-maj=7.9km s-min=5.4km az=103.7.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.4km az=130.0. Felt at Zama.

(229) Off east coast of Honshu

ISC XII 07 23 00 01.0–.38 37.80N–.03 143.80E–.03 30–2 5.6b,4.7s 1766 2-160
NIED XII 07 22 59 00 37.80N 143.70E 5 5.1W,4.7s **¶602030334**
IDC XII 07 22 59 56.4–.36 37.70N 143.85E 0 5.4,5.4
ISCJB XII 07 22 59 56.5–.60 37.75N–.02 143.75E–.01 8–3 5.5b,4.8s
JMA XII 07 22 59 59.5–.20 37.81N 143.71E 44 5.2,4.8s
MOS XII 07 23 00 00.8–.86 38.06N 143.72E 28 5.7b,4.7s
NEIC XII 07 23 00 00.5–.80 37.74N 143.76E 24–5 5.5b,4.7s
GCMT XII 07 23 00 00.5–.20 37.83N–.02 143.81E–.02 12 5.2W,4.7s
BJI XII 07 23 00 05.5 38.01N 143.13E 46 5.3b,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ27.00000°,λ-122.00000°. NP2:ϕ_s239.00000°,δ67.00000°,λ-75.00000°. $M_0$5.51000×10^{16}
IDC Error ellipse: s-maj=11.3km s-min=9.8km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=170.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=101.4.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=149.0. Recorded [2 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c50; s88,c161;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.79±.18 $M_{\theta\theta}$2.63±.17; $M_{\phi\phi}$3.17±.16; $M_{r\theta}$1.33±.64; $M_{\theta\phi}$4.96±.13; $M_{\phi r}$1.66±.57; Best double couple: NP1:ϕ_s221.00000°,δ54.00000°,λ-93.00000°. NP2:ϕ_s46.00000°,δ36.00000°,λ-86.00000°. Principal axes: T 8.1890,Plg9.0000° ,Azm313.0000°; N -2.0600,Plg2.0000°,Azm223.0000°; P -6.1190,Plg81.0000° ,Azm117.0000° $M_0$7.15400×10^{16}

(74) Near coast of Nicaragua

ISC XII 07 23 52 03.3–.89 12.65N–.06 88.00W–.04 65–7 4.4b 138 1-139
IDC XII 07 23 51 55.8–.86 12.91N 87.50W 0 4.1,3.9 **¶602032173**
ISCJB XII 07 23 52 03.0–.33 12.67N–.04 87.97W–.03 70–2 4.3b,3.9
UCR XII 07 23 52 03.4–2.3 12.67N 88.00W 58–17 4.5b,4.2L
NEIC XII 07 23 52 04.1–.51 12.62N 87.91W 71–4 4.5b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=36.9km s-min=13.8km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.0km az=30.4.
UCR Error ellipse: s-maj=8.7km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.3km az=211.0. Felt [I] at San Salvador, El Salvador.

(228) Near east coast of eastern Honshu

ISC XII 08 01 38 57.3–3.5 37.20N–.06 141.95E–.07 16–23 3.5b 28 1-57
NIED XII 08 01 38 00 37.20N 141.90E 41 3.7W **¶602390767**
IDC XII 08 01 38 54.1–1.4 37.00N 142.18E 0 3.9L,3.8
ISCJB XII 08 01 38 57.4–1.3 37.19N–.05 141.95E–.07 24–8 3.5b,2.6s
JMA XII 08 01 38 59.1–.10 37.22N 141.86E 45–3 4.2,2.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ51.00000°,λ147.00000°. NP2:ϕ_s160.00000°,δ65.00000°,λ44.00000°. $M_0$3.81000×10^{14}
IDC Error ellipse: s-maj=27.2km s-min=24.4km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=7.6km az=135.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(314) Southern India

ISC XII 08 07 06 09.0–.47 22.90N–.06 70.37E–.04 10 4.0b,3.1s 79 1-77
ISCJB XII 08 07 06 07.7–.35 23.03N–.05 70.53E–.03 10 4.0b,3.1s **¶602032181**
NDI XII 08 07 06 08.9–2.2 22.99N 70.37E 10 4.3L,3.1s
IDC XII 08 07 06 08.4–.80 22.91N 70.22E 0 4.1,4.1L
NEIC XII 08 07 06 10.1–.32 22.96N 70.30E 10 4.1b,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=15.9.
NDI Error ellipse: s-maj=6.1km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=16.1km az=34.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=5.4km az=25.0. Felt strongly at Gandidham. Also felt at Anjar, Rajkot, Rapar and Samakhiali.

(206) Near south coast of New Guinea

ISC XII 08 10 27 30.6–.28 7.21S–.04 144.08E–.04 30 5.0b,3.7s 258 4-154
IDC XII 08 10 27 25.6–.53 7.21S 144.15E 0 4.8,4.7 **¶602032185**
BJI XII 08 10 27 27.0 7.22S 144.61E 32 5.2b,5.0b
MOS XII 08 10 27 27.8–.95 7.22S 144.00E 23 5.3b,5.0b
ISCJB XII 08 10 27 29.2–.16 7.22S–.03 144.05E–.03 30 5.0b,3.7s
DJA XII 08 10 27 29.3–.40 7S–4.0 144E–6.0 10 5.6,5.3b
GCMT XII 08 10 27 30.4–.30 7.28S–.02 143.92E–.04 13–1 4.8W,5.3b
NEIC XII 08 10 27 30.4–1.2 7.17S 144.04E 27–9 5.0b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=11.9km az=82.0.
MOS Error ellipse: s-maj=10.0km s-min=6.3km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=44.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s66,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.61±.14 $M_{\theta\theta}$-1.15±.09; $M_{\phi\phi}$-0.46±.09; $M_{r\theta}$0.47±.19; $M_{\theta\phi}$0.61±.05; $M_{\phi r}$-0.37±.26; Best double couple: NP1:ϕ_s123.00000°,δ56.00000°,λ93.00000°. NP2:ϕ_s298.00000°,δ35.00000°,λ86.00000°. Principal axes: T 1.7230,Plg79.0000° ,Azm43.0000°; N -0.1070,Plg2.0000°,Azm301.0000°; P -1.6170,Plg10.0000°,Azm211.0000° $M_0$1.67000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.7km az=48.0. Felt at Kerema.

(206) Near south coast of New Guinea

ISC XII 08 16 35 18.2–.50 7.30S–.03 144.02E–.03 20–2 5.6s,5.5b 789 4-156
IDC XII 08 16 35 14.7–.33 7.18S 144.06E 0 5.4s,5.4 **¶602032199**
BJI XII 08 16 35 15.8 7.18S 143.97E 10 6.0b,5.5
NEIC XII 08 16 35 16.8–.15 7.21S 143.97E 10 5.7b,5.6W
ISCJB XII 08 16 35 17.0–.12 7.27S–.02 143.94E–.02 21 5.5s,5.4b
MOS XII 08 16 35 17.4–1.2 7.21S 143.98E 24 5.9b,5.3s
NEIC XII 08 16 35 17.0–.00 7.11S 143.93E 15 5.9b,5.3s
DJA XII 08 16 35 18.7–.90 7S–2.0 144E–3.0 14–6 6.6,6.1b
GCMT XII 08 16 35 20.8–.10 7.29S 143.98E 12 5.8W,6.1b
ISC Event type fe.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=92.0. Felt at Kerema, Mendi and Tari. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}3.71 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-1.37 $M_{r\theta}$1.15 $M_{\theta\phi}$1.20 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s123.00000°,δ56.00000° ,λ89.00000°. NP2:ϕ_s305.00000°,δ34.00000°,λ91.00000°. Principal axes: T 3.9700,Plg79.0000°,Azm30.0000°; N -0.5600,Plg1.0000°,Azm124.0000° ; P -3.4100,Plg11.0000°,Azm214.0000° $M_0$3.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=150.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=102.5.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$-2.73 $M_{\phi\phi}$-0.65 $M_{r\theta}$1.68 $M_{\theta\phi}$0.56 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s99.00000° ,δ59.00000°,λ86.00000°. NP2:ϕ_s287.00000°,δ31.00000°,λ97.00000°. Principal axes: T 3.8100,Plg75.0000°,Azm357.0000°; N -0.5300,Plg3.0000°,Azm101.0000° ; P -3.2800,Plg13.0000°,Azm192.0000° $M_0$3.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c243; s144,c437; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.83±.04 $M_{\theta\theta}$-4.05±.04; $M_{\phi\phi}$-1.79±.04; $M_{r\theta}$1.08±.12; $M_{\theta\phi}$2.97±.04; $M_{\phi r}$-0.95±.12; Best double couple: NP1:ϕ_s126.00000°,δ52.00000° ,λ92.00000°. NP2:ϕ_s303.00000°,δ38.00000°,λ87.00000°. Principal axes: T 6.0030,Plg83.0000°,Azm48.0000°; N 0.2530,Plg2.0000°,Azm305.0000° ; P -6.2660,Plg7.0000°,Azm215.0000° $M_0$6.13500×10^{17}

(59) Guerrero

ISC XII 08 18 49 24.9–.68 17.24N–.04 100.14W–.04 43–7 4.1b 194 0-123
ISCJB XII 08 18 49 24.2–.36 17.28N–.04 100.07W–.03 53–3 4.1b **¶602330391**
NEIC XII 08 18 49 25.3–.51 17.33N 100.10W 41–6 4.2,4.1b
MEX XII 08 18 49 26.4–1.0 17.28N 100.16W 44–11 4.2,4.1b
IDC XII 08 18 49 31.5–4.1 17.63N 99.70W 80–32 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=21.8.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=5.0km az=195.0. Felt at Acapulco.
MEX Error ellipse: s-maj=4.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=61.7km s-min=21.6km az=21.0.

(206) Near south coast of New Guinea

ISC XII 08 19 00 07.4–.28 7.34S–.04 144.03E–.04 10 4.9b,4.0s 281 4-154
IDC XII 08 19 00 05.6–.51 7.29S 144.19E 0 4.7,4.7b **¶602032202**
ISCJB XII 08 19 00 06.0–.16 7.29S–.02 144.06E–.03 10 4.8b,4.1s
BJI XII 08 19 00 06.4 7.26S 144.42E 22 5.2b,4.9s
NEIC XII 08 19 00 07.4–.16 7.26S 144.04E 10 5.0b,4.9s
MOS XII 08 19 00 07.9–.98 7.31S 144.06E 25 5.2b,4.9s
DJA XII 08 19 00 11.9–1.8 7S–4.0 144E–6.0 25–12 5.6,5.2b
GCMT XII 08 19 00 11.4–.30 7.40S–.02 144.01E–.04 12–1 4.8W,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Mendi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c14; s64,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.18 $M_{\theta\theta}$-1.46±.11; $M_{\phi\phi}$-0.49±.11; $M_{r\theta}$0.87±.27; $M_{\theta\phi}$0.47±.06; $M_{\phi r}$-0.01±.33; Best double couple: NP1:ϕ_s104.00000°,δ58.00000°,λ82.00000°. NP2:ϕ_s298.00000°,δ33.00000°,λ102.00000°. Principal axes: T 2.1650,Plg76.0000° ,Azm351.0000°; N -0.3410,Plg7.0000°,Azm108.0000°; P -1.8300,Plg12.0000° ,Azm200.0000° $M_0$1.99700×10^{16}

(228) Near east coast of eastern Honshu

ISC XII 08 20 28 10.0–2.5 39.00N–.06 142.5E–.20 20–8 19 1-2
NIED XII 08 20 28 00 39.00N 142.50E 35 3.5W **¶603712976**
JMA XII 08 20 28 11.9–.10 39.06N 142.47E 31–2 3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ42.00000°,λ-59.00000°. NP2:ϕ_s263.00000°,δ55.00000°,λ-115.00000°. $M_0$2.08000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(460) Wyoming

ISC XII 08 21 00 13.2–1.4 43.98N–.09 105.5W–.10 0 16 3-19
ISCJB XII 08 21 00 10.7–1.3 44.1N–.10 105.4W–.20 0 **¶602390848**
IDC XII 08 21 00 12.5–1.7 43.88N 105.57W 0 3.4,3.2
NEIC XII 08 21 00 13.1–1.1 44.11N 105.48W 0 3.1L,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=22.7km s-min=7.6km az=42.6.
IDC Error ellipse: s-maj=44.5km s-min=9.1km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=19.8km s-min=7.5km az=135.0. 21 km [13 miles] S of Gillette. Suspected Mining explosion.

(229) Off east coast of Honshu

ISC XII 09 02 34 18.0–.37 37.79N–.03 143.66E–.03 26–2 5.2b,4.6s 1324 2-160
NIED XII 09 02 34 00 37.80N 143.40E 8 5.2W,4.6s **¶602033195**
ISCJB XII 09 02 34 14.7–.59 37.78N–.02 143.59E–.02 15–4 5.2b,4.6s
IDC XII 09 02 34 14.0–.31 37.71N 143.70E 0 5.1,5.1
MOS XII 09 02 34 16.3–.89 37.83N 143.64E 23 5.4b,4.6s
JMA XII 09 02 34 16.9–.20 37.88N 143.57E 42 5.2,4.6s
NEIC XII 09 02 34 17.1–.48 37.74N 143.62E 19–2 5.3b,5.1W
GCMT XII 09 02 34 19.1–.10 37.91N–.01 143.58E–.01 12 5.2W,5.1W
BJI XII 09 02 34 20.2 38.02N 143.16E 30 5.3b,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ32.00000°,λ-89.00000°. NP2:ϕ_s197.00000°,δ58.00000°,λ-90.00000°. $M_0$6.11000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=164.3.
IDC Error ellipse: s-maj=10.6km s-min=7.9km az=114.0.
MOS Error ellipse: s-maj=5.6km s-min=3.7km az=106.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=143.0. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. s11 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.03 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$5.68 $M_{r\theta}$1.51 $M_{\theta\phi}$1.30 $M_{\phi r}$2.44 Best double couple: NP1:ϕ_s359.00000° ,δ33.00000°,λ-110.00000°. NP2:ϕ_s202.00000°,δ59.00000°,λ-78.00000°. Principal axes: T 6.5600,Plg13.0000°,Azm283.0000°; N -0.7100,Plg11.0000°,Azm16.0000° ; P -5.8500,Plg73.0000°,Azm143.0000° $M_0$6.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c117; s120,c217;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$0.20±.01; $M_{\phi r}$0.20±.03; Best double couple: NP1:ϕ_s213.00000°,δ58.00000°,λ-72.00000°. NP2:ϕ_s1.00000°,δ36.00000°,λ-116.00000°. Principal axes: T 0.7580,Plg12.0000° ,Azm290.0000°; N 0.0270,Plg15.0000°,Azm23.0000°; P -0.7850,Plg71.0000°,Azm164.0000° $M_0$0.77200×10^{17}

(224) Hokkaido region

ISC	**XII**	**09 05 11 04.3–.81**	**43.23N–.06**	**145.03E–.04**	**105–6**	**3.5b**	**55**	**0-71**
IDC	XII	09 05 10 44.6–1.8	41.68N	145.52E	0	3.8,3.6		**¶602390881**
MOS	XII	09 05 11 02.3–.82	43.06N	145.08E	115	4.0b,3.6		
ISCJB	XII	09 05 11 03.7–.52	43.24N–.05	145.05E–.04	109–3	3.5b,3.6		
SKHL	XII	09 05 11 03.7–.00	43.25N	145.10E	118–2	5.2s,4.5b		
JMA	XII	09 05 11 04.8–.10	43.26N	145.03E	103–1	3.4,4.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=20.5km az=165.0.
MOS Error ellipse: s-maj=23.8km s-min=11.9km az=65.5.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.4km az=158.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(78) Costa Rica

ISC	**XII**	**09 06 03 18.0–1.0**	**10.13N–.03**	**83.89W–.03**	**13–8**	**4.8b**	**66**	**0-35**
ISCJB	XII	09 06 03 16.5–1.1	10.16N–.06	83.76W–.04	8–10	4.7b		**¶602032220**
NEIC	XII	09 06 03 17.1–1.3	9.83N	83.93W	24–7	4.5b		
UCR	XII	09 06 03 19.5–1.9	10.07N	83.96W	5–5	4.5b,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.3km az=18.8.
NEIC Event type fe. Error ellipse: s-maj=19.3km s-min=6.3km az=193.0. Felt at Alajuelita, Curridabat, Heredia, Piedades, San Nicholas and San Pablo.
UCR Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.

(29) Washington

ISC	**XII**	**09 14 38 32.5–1.1**	**48.90N–.02**	**122.66W–.02**	**11–9**		**76**	**0-6**
ISCJB	XII	09 14 38 33.6–.42	48.84N–.02	122.62W–.03	14–3			**¶602033963**
NEIC	XII	09 14 38 34.0–.00	48.82N	122.61W	17	2.6L		
PGC	XII	09 14 38 34.4–1.1	48.82N	122.59W	20–0	2.5L,2.1L		
ANF	XII	09 14 38 34.6–.73	48.77N	122.64W	15–3	2.2L,2.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=22.6.
NEIC Event type fe. Felt at Ferndale. After SEA.
PGC Event type ke. 31km Sse of Langley, Bc Washington.
ANF Error ellipse: s-maj=7.6km s-min=5.5km az=30.0.

(229) Off east coast of Honshu

ISC	**XII**	**09 14 42 16.4–.67**	**37.83N–.04**	**144.06E–.04**	**26–4**	**4.7b,4.2s**	**386**	**2-153**
NIED	XII	09 14 42 00	37.80N	143.80E	5	4.8W,4.2s		**¶602033202**
IDC	XII	09 14 42 12.3–.43	37.74N	144.04E	0	4.5,4.4		
ISCJB	XII	09 14 42 13.9–.89	37.85N–.03	143.93E–.02	15–5	4.6b,4.3s		
MOS	XII	09 14 42 14.6–.94	37.90N	144.01E	23	4.9b,4.1s		
JMA	XII	09 14 42 15.6–.20	37.84N	143.90E	50	4.8,4.1s		
BJI	XII	09 14 42 15.7	37.97N	143.99E	31	5.1b,4.6b		
GCMT	XII	09 14 42 16.4–.30	37.81N–.02	143.96E–.03	12	4.9W,4.6b		
NEIC	XII	09 14 42 17.4–1.1	37.75N	143.99E	34–7	4.8b,4.6b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ27.00000°,λ-89.00000°. NP2:ϕ_s209.00000°,δ63.00000°,λ-90.00000°. $M_0$1.91000×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=11.3km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=172.8.
MOS Error ellipse: s-maj=7.3km s-min=5.2km az=108.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c26; s85,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.07 $M_{\theta\theta}$0.77±.07; $M_{\phi\phi}$1.63±.06; $M_{r\theta}$0.10±.29; $M_{\theta\phi}$1.07±.06; $M_{\theta r}$0.95±.28; Best double couple: NP1:ϕ_s204.00000°,δ56.00000°,λ-101.00000°. NP2:ϕ_s43.00000°,δ36.00000°,λ-75.00000°. Principal axes: T 2.5020,Plg10.0000°,Azm302.0000°; N 0.1170,Plg9.0000°,Azm211.0000°; P -2.6200,Plg77.0000°,Azm79.0000° $M_0$2.56100×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=140.0. Recorded [1 JMA] in Miyagi.

(228) Near east coast of eastern Honshu

JMA	**XII**	**09 15 59 39.7–.10**	**38.50N**	**142.07E**	**39–1**	**3.5**		
NIED	XII	09 15 59 00	38.50N	142.10E	17	3.5W		**¶606069363**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ48.00000°,λ-174.00000°. NP2:ϕ_s174.00000°,δ85.00000°,λ-43.00000°. $M_0$1.74000×10^{14}

(377) Spain

ISC	**XII**	**09 19 12 43.0–1.0**	**38.06N–.02**	**3.28W–.01**	**11–9**		**211**	**0-8**
LDG	XII	09 19 12 44.7–.09	38.01N	3.28W	2	3.0L		**¶602032272**
INMG	XII	09 19 12 44.2–1.4	38.04N	3.30W	3–2	3.1L		
SFS	XII	09 19 12 44.0	38.00N	3.20W		3.2L		
MDD	XII	09 19 12 44.4–.21	38.04N	3.28W	4–2	3.2		
IGIL	XII	09 19 12 44.0	38.05N	3.28W	2	3.1L		
CNRM	XII	09 19 12 47.5	37.94N	3.07W	30	3.5L		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=164.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=38.0.
SFS TORREPEROGIL. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.0km s-min=1.8km az=28.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.

(259) Mindanao

ISC	**XII**	**09 21 45 34.3–.29**	**6.67N–.02**	**126.18E–.03**	**57–2**	**5.3b,4.7s**	**1085**	**0-171**
BJI	XII	09 21 45 28.0	6.19N	126.56E	56	5.5b,5.3b		**¶602032405**
MOS	XII	09 21 45 31.7–1.2	6.70N	126.14E	48	5.5b,4.6s		
ISCJB	XII	09 21 45 33.2–.26	6.69N–.01	126.24E–.02	62–2	5.3b,4.6s		
IDC	XII	09 21 45 33.2–.57	6.71N	126.18E	49–5	5.1,4.9		
NEIC	XII	09 21 45 35.2–.49	6.70N	126.17E	63–4	5.6W,5.3b		
DJA	XII	09 21 45 35.3–.30	7N–2.0	126E–2.0	50–3	6.1,6.1		
GCMT	XII	09 21 45 36.2–.10	6.79N–.01	126.30E–.01	26–0	5.8W,6.1		
MAN	XII	09 21 45 36.2	6.94N	126.04E	27	6.2b,5.8s		
KLM	XII	09 21 45 38.0	6.60N	126.34E	92	5.8b,5.8s		

ISC Event type fe.
MOS Error ellipse: s-maj=8.4km s-min=4.2km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=165.6.
IDC Error ellipse: s-maj=11.0km s-min=7.2km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=72.0. Felt [IV PIVS] at Davao, Mati and San Isidro; [III PIVS] at Digos, General Santos, Magugpo, Manay and Padada; [II PIVS] at Bislig, Kidapawan, Koronadal, M'lang, Makilala, Matalam, Polomolok, Tacurong, Tulunan and Tupi. Also felt at Banaybanay, Santa Cruz and Sigaboy. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$0.85 $M_{r\theta}$0.17 $M_{\theta\phi}$-1.52 $M_{\theta r}$2.10 Best double couple: NP1:ϕ_s283.00000°,δ37.00000°,λ-169.00000°. NP2:ϕ_s184.00000°,δ83.00000°,λ-54.00000°. Principal axes: T 2.8100,Plg29.0000°,Azm246.0000°; N -0.2400,Plg36.0000°,Azm359.0000°; P -2.5700,Plg41.0000°,Azm127.0000° $M_0$2.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c169; s117,c236; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.04 $M_{\theta\theta}$0.14±.04; $M_{\phi\phi}$-0.60±.04; $M_{r\theta}$0.50±.09; $M_{\theta\phi}$-1.18±.03; $M_{\theta r}$5.27±.18; Best double couple: NP1:ϕ_s5.00000°,δ87.00000°,λ78.00000°. NP2:ϕ_s259.00000°,δ12.00000°,λ164.00000°. Principal axes: T 5.2640,Plg47.0000°,Azm263.0000°; N 0.3580,Plg12.0000°,Azm6.0000°; P -5.6220,Plg41.0000°,Azm106.0000° $M_0$5.44300×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XII**	**10 01 15 39.9–1.6**	**38.91N–.06**	**142.1E–.10**	**45–11**	**3.9b**	**27**	**0-73**
NIED	XII	10 01 15 00	38.90N	142.00E	50	3.7W		**¶602390953**
ISCJB	XII	10 01 15 39.3–1.0	38.89N–.05	142.0E–.10	57–6	3.8b		
JMA	XII	10 01 15 40.3–.10	38.89N	141.97E	49–1	3.7		
IDC	XII	10 01 15 41.6–3.9	38.85N	141.97E	63–33	3.8,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ28.00000°,λ74.00000°. NP2:ϕ_s37.00000°,δ63.00000°,λ99.00000°. $M_0$3.75000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=17.1km s-min=7.9km az=15.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=21.1km az=78.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**10 07 12 05.8–1.8**	**36.95N–.05**	**141.37E–.06**	**10–10**	**3.6b,3.2s**	**33**	**0-90**
NIED	XII	10 07 12 00	36.90N	141.50E	5	3.9W,3.2s		**¶602390967**
ISCJB	XII	10 07 12 03.9–1.2	36.92N–.04	141.51E–.04	9–7	3.7b,3.2s		
IDC	XII	10 07 12 04.5–.83	36.92N	141.38E	0	3.9,3.7		
JMA	XII	10 07 12 05.0–.10	36.92N	141.48E	23–1	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ46.00000°,λ-138.00000°. NP2:ϕ_s232.00000°,δ61.00000°,λ-52.00000°. $M_0$8.90000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.5km az=135.9.
IDC Error ellipse: s-maj=20.4km s-min=19.6km az=80.0.
JMA Event type fe.

(2) Southern Alaska

ISC	**XII**	**10 07 35 01.7–.66**	**61.80N–.03**	**152.11W–.04**	**117**	**3.9b**	**98**	**0-82**
IDC	XII	10 07 35 00.3–1.8	61.66N	152.20W	110–20	3.9,3.7		**¶602340308**
ISCJB	XII	10 07 35 01.2–.24	61.83N–.02	152.10W–.06	117	3.8b,3.7		
NEIC	XII	10 07 35 03.2–.00	61.80N	152.10W	111	3.6L,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=16.9km s-min=15.1km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=23.0.
NEIC Event type fe. Felt at Palmer. After AEIC.

(2) Southern Alaska

ISC	**XII**	**10 09 42 15.8–.91**	**60.52N–.04**	**152.76W–.05**	**133–6**		**71**	**0-62**
ISCJB	XII	10 09 42 14.8–.37	60.52N–.03	152.78W–.09	137–3	3.6b		**¶602355579**
IDC	XII	10 09 42 15.5–1.9	60.46N	152.86W	124–31	3.7,3.4b		
NEIC	XII	10 09 42 16.9–.00	60.52N	152.82W	128	3.0L,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.6km az=23.3.
IDC Error ellipse: s-maj=40.2km s-min=18.6km az=114.0.
NEIC Event type fe. Felt at Anchorage. After AEIC.

(115) Near coast of Peru

NEIC	**XII**	**10 11 25 24.0–.00**	**11.86S**	**77.23W**	**51**	**4.3L**		
								¶602037000

NEIC Event type fe. Felt [III] at Ancon, Huanza and Miraflores and [II] at Chosica. Also felt at Antioquia, Bellavista, Lima, Magdelena del Mar, San Bartolome, San Borja and San Luis. After ARE.

(136) Central Chile

ISC	**XII**	**10 15 25 44.3–1.6**	**38.95S–.04**	**73.22W–.07**	**17–9**	**4.7b**	**101**	**1-176**
ISCJB	XII	10 15 25 44.0–.78	38.97S–.02	73.09W–.06	24–5	4.6b,4.0s		**¶602033978**
GUC	XII	10 15 25 44.1–.56	39.01S	73.10W	45	4.7L,4.0s		
NEIC	XII	10 15 25 47.0–1.3	38.93S	72.86W	33–9	4.8b,4.7L		
IDC	XII	10 15 25 48.3–3.3	38.89S	72.79W	40–27	4.6L,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.0km az=4.0.
GUC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=4.0km az=88.0. Felt [VI] at Tolten; [V] at Padre Las Casas, Puerto Saavedra and Temuco; [IV] at Lanco, Mariquina and Nueva Imperial; [III] at Cholchol, Corral, Los Lagos, Mafil, Malipeuco, Mehuin, Panguipulli, Teodoro Schmidt, Tirua and Valdivia; [II] at Concepcion, Curarrehue, La Laja and Vilcun. Also felt at Angol, Carahue, Lautaro, Pitrufquen and Villarrica.
IDC Error ellipse: s-maj=25.7km s-min=14.0km az=93.0.

(280) Banda Sea

ISC	**XII**	**10 16 53 09.5–.20**	**6.50S–.02**	**129.87E–.03**	**161–1**	**6.6b**	**2758**	**2-177**
MOS	XII	10 16 53 07.3–.98	6.53S	129.79E	150	6.6b		**¶605137262**
NEIC	XII	10 16 53 08.8–.08	6.53S	129.83E	155	7.2,7.1W		
BJI	XII	10 16 53 08.8	6.51S	129.78E	160	6.9b,6.5b		
ISCJB	XII	10 16 53 09.0–.27	6.55S–.01	129.85E–.01	167–2	6.5b,6.5b		
NEIC	XII	10 16 53 09.0–.00	6.52S	130.01E	160	6.5b,6.5b		
IDC	XII	10 16 53 10.3–.51	6.58S	129.82E	163–4	6.5,6.4		
DJA	XII	10 16 53 10.1–.20	7S–2.0	130E–1.0	161–2	7.6,7.3		
KLM	XII	10 16 53 14.0	6.52S	129.93E	197	7.0b,7.3		
GCMT	XII	10 16 53 14.8–.10	6.65S	129.83E	159–0	7.1W,7.3		
NEIC	XII	10 16 53 23.5–.00	6.57S	129.82E	148	7.1W,7.3		

ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=47.0. Felt [V] at Saumlaki; [IV] at Amahai, Dobo, Fakfak, Kaimana and Sorong; [III] at Ransiki, Indonesia. Felt [IV] at Dili, Timor-Leste. Also felt at Manatuto. Felt [IV] on Cox Peninsula and at Kununurra; [III] at Darwin, Humpty Doo-MacMinns Lagoon and Palmerston; [II] at Katherine, Australia. Also felt at Alice Springs, East Arnhem, Galiwinku, Howard Springs and Jabiru. Apparent Stress 0.18 MPa. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{19}Nm; M_{rr}1.13 $M_{\theta\theta}$-4.19 $M_{\phi\phi}$3.06 $M_{r\theta}$2.65 $M_{\theta\phi}$-0.34 $M_{\theta r}$3.47 Best double couple: NP1:ϕ_s307.00000°,δ40.00000°,λ168.00000°. NP2:ϕ_s46.00000°,δ83.00000°,λ51.00000°. Principal axes: T 5.8900,Plg39.0000°,Azm281.0000°; N -0.2500,Plg39.0000°,Azm52.0000°; P -5.6400,Plg27.0000°,Azm166.0000° $M_0$5.80000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s302.00000°,δ51.00000°,λ167.00000°. NP2:ϕ_s40.00000°,δ80.00000°,λ40.00000°. Principal axes: T Plg35.0000°,Azm269.0000°; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm165.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=140.5.
NEIC Event type se. Moment Tensor Solution. s70 Moment tensor: Scale 10^{19}Nm; M_{rr}0.99 $M_{\theta\theta}$-4.22 $M_{\phi\phi}$3.24 $M_{r\theta}$2.10 $M_{\theta\phi}$0.27 $M_{\theta r}$3.43 Best double couple: NP1:ϕ_s49.00000°,δ81.00000°,λ45.00000°. NP2:ϕ_s310.00000°,δ45.00000°,λ168.00000°. Principal axes: T 5.9300,Plg37.0000°,Azm280.0000°; N -0.8500,Plg43.0000°,Azm57.0000°; P -5.0800,Plg22.0000°,Azm171.0000° $M_0$5.60000×10^{19}
IDC Error ellipse: s-maj=7.9km s-min=6.2km az=76.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c428; s152,c761; Duration: 8s6 Moment tensor: Scale 10^{19}Nm; M_{rr}1.03±.02 $M_{\theta\theta}$-4.45±.02; $M_{\phi\phi}$3.42±.02; $M_{r\theta}$1.81±.02; $M_{\theta\phi}$0.13±.01; $M_{\theta r}$3.51±.01; Best double couple: NP1:ϕ_s48.00000°,δ80.00000°,λ43.00000°. NP2:ϕ_s309.00000°,δ48.00000°,λ166.00000°. Principal axes: T 6.0640,Plg37.0000°,Azm278.0000°; N -0.9550,Plg46.0000°,Azm59.0000°; P -5.1090,Plg20.0000°,Azm172.0000° $M_0$5.58700×10^{19}
NEIC Event type se. Moment Tensor Solution. s85 Moment tensor: Scale 10^{19}Nm; M_{rr}0.88 $M_{\theta\theta}$-4.08 $M_{\phi\phi}$3.20 $M_{r\theta}$1.79 $M_{\theta\phi}$0.29 $M_{\theta r}$3.29 Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ167.00000°. NP2:ϕ_s49.00000°,δ81.00000°,λ43.00000°. Principal axes: T 5.7000,Plg36.0000°,Azm279.0000°; N -0.9600,Plg46.0000°,Azm59.0000°; P -4.7400,Plg21.0000°,Azm173.0000° $M_0$5.20000×10^{19}

(357) Ukraine-Moldova-Southwestern Russia region

ISC	**XII**	**10 16 56 56.1–.69**	**44.94N–.03**	**37.53E–.02**	**31–5**	**4.9b**	**637**	**0-94**
PRU	XII	10 16 56 50.2–.00	44.09N	36.97E	0	4.9		**¶602033986**
IDC	XII	10 16 56 52.4–.37	44.88N	37.55E	0	4.9b,4.8		
BJI	XII	10 16 56 53.8	44.69N	37.64E	28	5.1b,5.1b		
ISCJB	XII	10 16 56 54.0–.47	44.95N–.01	37.48E–.01	25–4	5.7s,4.8b		
NEIC	XII	10 16 56 55.5–.64	44.98N	37.56E	23–5	4.9L,4.9b		
SIGU	XII	10 16 56 56.1–.50	44.96N	37.58E	24–4	4.6b,4.3W		
MOS	XII	10 16 56 56.4–.00	44.81N	37.53E	31–0	5.3,4.3W		
NNC	XII	10 16 56 59.0–1.7	45.06N	38.67E	0	4.8b,4.3W		
DDA	XII	10 16 57 42.6	44.96N	37.59E	16	4.9L,4.3W		

ISC Event type fe.
IDC Error ellipse: s-maj=7.4km s-min=5.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=16.8.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=201.0. Felt [V] at Novorossiysk. Also felt at Anapa, Krasnodar, Krymsk and Tuapse.
MOS Event type se. FELT I=V MSK at Anapa, Anapskaya, Su-Pseh, Varvarovka, Pavlovka, Sukko, Gai-Kodzor, Rassvet;) IV-V MSK at Natukhaevskaya, Verkhne-Baranskaya,Novorossiysk; IV MSK at Voskresensk, Vityazevo; III-IV MSK at Gostagaevskaya, Krymsk, Krasnodar, Gelendjik; III MSK at Jurovka, Fadeevo, Tempuk; II-III MSK at Abinsk, Slavyansk-na-Kubani; II MSK at Korenovsk, Medvedskaya, Belorechensk, Djiginka, Mirchanka.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=20.0km az=104.0.
DDA Event type ke.

(229) Off east coast of Honshu

ISC	**XII**	**10 22 08 04.2–.38**	**37.82N–.04**	**143.77E–.04**	**31–2**	**4.8b,4.6s**	**575**	**2-159**
IDC	XII	10 22 07 59.1–.41	37.65N	143.82E	0	4.8,4.8		**¶602034581**
ISCJB	XII	10 22 08 00.8–.82	37.87N–.02	143.65E–.02	12–5	4.8b,4.5s		
NIED	XII	10 22 08 00	37.80N	143.60E	5	4.9W,4.5s		
JMA	XII	10 22 08 01.3–.20	37.77N	143.74E	50	4.9,4.5s		
MOS	XII	10 22 08 03.3–1.0	38.02N	143.66E	26	5.1b,4.4s		
NEIC	XII	10 22 08 04.9–.14	37.72N	143.69E	35	4.8b,4.4s		
BJI	XII	10 22 08 07.5	38.09N	143.21E	44	5.1b,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=10.5km az=142.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=171.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s84.00000°,δ42.00000°,λ-28.00000°. NP2:ϕ_s195.00000°,δ72.00000°,λ-129.00000°. $M_0$2.36000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.2km az=106.4.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=162.0. Recorded [1 JMA] in Fukushima and Miyagi.

(266) Northern Molucca Sea

ISC	**XII**	**11 06 18 29.0–.30**	**0.56N–.02**	**126.22E–.03**	**44–2**	**5.9b,5.7s**	**1778**	**1-174**
BJI	XII	11 06 18 22.6	0.11N	126.33E	33	5.7b,5.7s		**¶602036632**
MOS	XII	11 06 18 26.6–1.0	0.56N	126.19E	33	6.2b,5.5s		
IDC	XII	11 06 18 27.3–1.3	0.50N	126.17E	28–8	5.8,5.6		
NEIC	XII	11 06 18 27.0–.00	0.39N	126.15E	40	5.8,5.6		
NEIC	XII	11 06 18 27.3–.06	0.53N	126.23E	30	6.0,6.0W		
ISCJB	XII	11 06 18 28.0–.26	0.55N–.01	126.26E–.02	48–2	5.9b,5.7s		
DJA	XII	11 06 18 30.5–.20	1N–2.0	126E–1.0	56–2	6.2b,6.0		
GCMT	XII	11 06 18 31.3–.10	0.65N	126.20E	31–0	6.0W,6.0		
KLM	XII	11 06 18 31.0	0.51N	126.36E	66	6.0b,6.0		

ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=110.5.
IDC Error ellipse: s-maj=10.2km s-min=7.3km az=69.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ50.00000°,λ62.00000°. NP2:ϕ_s40.00000°,δ47.00000°,λ119.00000°. Principal axes: T 1.1000,Plg68.0000°,Azm24.0000°; N -0.0100,Plg21.0000°,Azm199.0000°; P -1.0900,Plg11.0000°,Azm290.0000°
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=63.0. Felt [III] on Pulau Ternate. Apparent Stress 0.61 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}6.06 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-5.57 $M_{r\theta}$1.27 $M_{\theta\phi}$-4.89 $M_{\phi r}$-3.91 Best double couple: NP1:ϕ_s186.00000°,δ61.00000°,λ58.00000°. NP2:ϕ_s58.00000°,δ42.00000°,λ133.00000°. Principal axes: T 8.1900,Plg60.0000°,Azm48.0000°; N 0.8600,Plg27.0000°,Azm203.0000°; P -9.0500,Plg11.0000°,Azm298.0000° $M_0$8.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s64.00000°,δ36.00000°,λ144.00000°. NP2:ϕ_s185.00000°,δ70.00000°,λ60.00000°. Principal axes: T Plg55.0000°,Azm57.0000°; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm297.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=164.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c267; s134,c410; Duration: 2$\pm$5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.89$\pm$.01 $M_{\theta\theta}$0.28$\pm$.01; $M_{\phi\phi}$-1.17$\pm$.01; $M_{r\theta}$-0.05$\pm$.01; $M_{\theta\phi}$-0.72$\pm$.01; $M_{\phi r}$-0.62$\pm$.02; Best double couple: NP1:ϕ_s185.00000°,δ61.00000°,λ68.00000°. NP2:ϕ_s45.00000°,δ36.00000°,λ124.00000°. Principal axes: T 1.0920,Plg66.0000°,Azm54.0000°; N 0.5120,Plg19.0000°,Azm196.0000°; P -1.6050,Plg13.0000°,Azm291.0000° $M_0$1.34900×10^{18}

(76) Off coast of central America

ISC	**XII**	**11 12 14 55.4–.84**	**12.84N–.05**	**88.52W–.04**	**71–7**	**4.4b**	**423**	**1-148**
ISCJB	XII	11 12 14 54.0–.28	12.79N–.03	88.59W–.02	70–2	4.3b		**¶602035770**
SNET	XII	11 12 14 54.0–.00	12.83N	88.61W	54	4.3b		
UCR	XII	11 12 14 54.8–1.9	12.90N	88.57W	61–14	4.6L,4.4b		
NEIC	XII	11 12 14 55.9–.43	12.73N	88.51W	78–3	4.6,4.4b		
IDC	XII	11 12 14 56.3–1.3	13.01N	88.30W	75–11	4.3,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.7km az=37.2.
SNET Event type se.
UCR Error ellipse: s-maj=8.3km s-min=5.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.4km az=212.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=25.8km s-min=8.1km az=43.0.

(377) Spain

ISC	**XII**	**11 14 35 10.3–.99**	**38.08N–.02**	**3.28W–.02**	**15–9**		**120**	**0-6**
ISCJB	XII	11 14 35 08.0–.31	38.12N–.02	3.34W–.02	3–2			**¶607215281**
MDD	XII	11 14 35 10.8–.24	38.05N	3.27W	2–3	2.9		
INMG	XII	11 14 35 10.7–1.4	38.07N	3.27W	0	2.8L		
SFS	XII	11 14 35 10.0	38.00N	3.20W		2.9L		
CNRM	XII	11 14 35 11.6	38.08N	3.14W	30	3.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=3.6.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=47.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=83.0.
SFS TORREPEROGIL. (JAEN).

(377) Spain

ISC	**XII**	**11 14 35 29.9–1.1**	**38.09N–.04**	**3.27W–.04**	**11**		**11**	**0-3**
ISCJB	XII	11 14 35 29.0–.63	38.01N–.05	3.34W–.06	11			**¶606769839**
SFS	XII	11 14 35 30.0	38.08N	3.26W				
MDD	XII	11 14 35 30.1–.45	38.07N	3.27W	1–18	2.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.8km az=40.7.
SFS SABIOTE. (JAEN).
MDD Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=46.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.

(228) Near east coast of eastern Honshu

ISC	**XII**	**11 14 36 00.7–1.9**	**35.40N–.05**	**140.95E–.07**	**13–12**	**3.3b**	**22**	**0-59**
IDC	XII	11 14 35 59.1–1.1	35.33N	141.14E	0	3.6,3.5		**¶602391098**
ISCJB	XII	11 14 36 00.5–1.1	35.45N–.04	141.1E–.10	24–7	3.4b,3.5		
NIED	XII	11 14 36 00	35.40N	141.00E	23	3.5W,3.5		
JMA	XII	11 14 36 02.3–.10	35.46N	140.95E	24–2	3.7,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=19.5km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=16.2km s-min=7.0km az=173.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ24.00000°,λ-89.00000°. NP2:ϕ_s57.00000°,δ66.00000°,λ-90.00000°. $M_0$2.35000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(731) North of Honduras

ISC	**XII**	**11 15 30 16.4–.88**	**18.74N–.05**	**81.30W–.07**	**10**		**17**	**1-15**
ISCJB	XII	11 15 30 14.8–.68	18.71N–.05	81.41W–.06	10			**¶602037004**
NEIC	XII	11 15 30 17.2–1.9	18.73N	81.38W	12–15	4.1b		
JSN	XII	11 15 30 22.2–1.2	18.95N	80.99W	16	4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=7.2km az=14.9.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=8.6km az=199.0. Felt [III] at George Town. Also felt at Half Way Pond.
JSN Error ellipse: s-maj=6.9km s-min=11.6km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**11 15 48 32.2–.93**	**40.88N–.03**	**142.05E–.05**	**57–8**	**3.5b**	**42**	**1-72**
NIED	XII	11 15 48 00	40.90N	142.10E	47	3.6W		**¶602391104**
ISCJB	XII	11 15 48 31.2–.46	40.87N–.03	142.06E–.06	67–4	3.5b		
JMA	XII	11 15 48 31.7–.10	40.91N	142.11E	50–2	3.7		
IDC	XII	11 15 48 32.4–2.0	40.88N	142.22E	69–17	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ15.00000°,λ33.00000°. NP2:ϕ_s46.00000°,δ82.00000°,λ103.00000°. $M_0$2.58000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=18.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=13.1km az=100.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**12 00 19 37.4–.41**	**36.97N–.03**	**141.39E–.05**	**20–3**	**4.7b,3.9s**	**304**	**0-152**
NIED	XII	12 00 19 00	37.00N	141.50E	8	4.5W,3.9s		**¶602036416**
BJI	XII	12 00 19 31.9	36.73N	141.48E	9	4.9b,4.6b		
IDC	XII	12 00 19 34.1–.45	36.98N	141.31E	0	4.5,4.5		
JMA	XII	12 00 19 36.3–.10	36.98N	141.43E	32–1	4.7,4.5		
NEIC	XII	12 00 19 37.8–1.1	36.99N	141.30E	22–7	4.7b,4.5		
MOS	XII	12 00 19 37.4–1.0	36.98N	141.28E	33	4.8b,4.5		
ISCJB	XII	12 00 19 37.6–.57	36.99N–.02	141.32E–.03	31–3	4.6b,4.0s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ54.00000°,λ-134.00000°. NP2:ϕ_s224.00000°,δ54.00000°,λ-47.00000°. $M_0$5.95000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s352.00000°,δ70.00000°,λ-134.00000°. NP2:ϕ_s242.00000°,δ47.00000°,λ-27.00000°. Principal axes: T Plg14.0000°,Azm112.0000°; N Plg41.0000°,Azm10.0000°; P Plg46.0000°,Azm217.0000°
NEIC Event type fe. Felt widely in eastern Honshu. Recorded [3 JMA] in Fukushima and Ibaraki.
ISCJB Event type fe.

(499) Oklahoma

ISC	**XII**	**12 03 30 14.8–.73**	**35.54N–.03**	**96.79W–.02**	**10**		**86**	**1-6**
ISCJB	XII	12 03 30 13.6–.34	35.63N–.03	96.77W–.02	10			**¶602037007**
ANF	XII	12 03 30 14.7–.37	35.59N	96.77W	9–2	4.0L		
NEIC	XII	12 03 30 15.0–.00	35.53N	96.76W	5	3.1L		
TUL	XII	12 03 30 15.0	35.53N	96.76W	5	3.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=163.2.
ANF Error ellipse: s-maj=2.2km s-min=1.2km az=167.0.
NEIC Event type fe. Felt [IV] at Prague and [II] at Okemah. Also felt at Bethany, Bristow, Broken Arrow, Chandler, Harrah, Oklahoma City, Seminole, Shawnee, Spencer, Tahlequah, Tulsa and Yukon. After TUL.

(232) Western Honshu

JMA	**XII**	**12 06 32 49.9**	**35.15N**	**135.68E**	**14**	**3.1**		**¶606070244**

JMA Event type fe.

(78) Costa Rica

ISC	**XII**	**12 06 54 39.2–.48**	**10.16N–.04**	**84.35W–.04**	**70–4**	**4.4b**	**378**	**0-151**
ISCJB	XII	12 06 54 38.6–.18	10.16N–.03	84.36W–.02	77–1	4.3b		**¶602036432**
IDC	XII	12 06 54 38.5–.56	10.19N	84.50W	72–5	4.3,4.2		
UCR	XII	12 06 54 39.7–1.9	10.12N	84.39W	62–4	4.4b,4.0L		
NEIC	XII	12 06 54 39.2–.47	10.17N	84.31W	72–4	4.6W,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.3km az=38.4.
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=37.0.
UCR Error ellipse: s-maj=4.2km s-min=3.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.7km az=222.0. Felt [IV] at Alajuela, Grecia, Piedades and San Miguel; [III] at Escazu, San Jose and San Rafael. Felt thoughout the Valle Central and in parts of northern and western Costa Rica.

(226) Near west coast of eastern Honshu

ISC	**XII**	**12 07 41 35.1–.98**	**37.58N–.03**	**138.59E–.03**	**13–8**		**19**	**0-57**
NIED	XII	12 07 41 00	37.60N	138.60E	5	3.4W		**¶602391165**
IDC	XII	12 07 41 33.6–1.5	37.59N	138.66E	0	3.8,3.5		
ISCJB	XII	12 07 41 34.6–.60	37.61N–.03	138.58E–.04	12–5	3.6b,3.1s		
JMA	XII	12 07 41 35.3	37.62N	138.58E	16–1	3.4,3.1s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ33.00000°,λ52.00000°. NP2:ϕ_s235.00000°,δ64.00000°,λ112.00000°. $M_0$1.45000×10^{14}
IDC Error ellipse: s-maj=23.6km s-min=13.5km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.8km az=7.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s114.00000°,δ53.00000°,λ-121.00000°. NP2:ϕ_s338.00000°,δ47.00000°,λ-56.00000°. Principal axes: T Plg3.0000°,Azm225.0000°; N Plg24.0000°,Azm134.0000°; P Plg66.0000°,Azm322.0000°

(228) Near east coast of eastern Honshu

ISC	**XII**	**12 09 23 00.2–1.1**	**36.73N–.04**	**140.63E–.04**	**5–9**	**3.9b**	**27**	**0-57**
IDC	XII	12 09 22 59.6–1.9	36.74N	140.62E	0	4.1,4.0b		**¶602391172**
ISCJB	XII	12 09 23 00.1–.61	36.69N–.03	140.67E–.06	11–3	4.0b,2.9s		
NIED	XII	12 09 23 00	36.70N	140.60E	5	3.9W,2.9s		
JMA	XII	12 09 23 00.7	36.70N	140.62E	6	3.6,2.9s		

ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=24.8km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.7km az=18.4.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ34.00000°,λ-76.00000°. NP2:ϕ_s141.00000°,δ57.00000°,λ-99.00000°. $M_0$6.69000×10^{14}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s126.00000°,δ56.00000°,λ-113.00000°. NP2:ϕ_s343.00000°,δ41.00000°,λ-60.00000°. Principal axes: T Plg8.0000°,Azm232.0000°; N Plg19.0000°,Azm139.0000°; P Plg69.0000°,Azm344.0000°

(35) Near coast of northern California

ISC	**XII**	**12 15 49 47.3–2.0**	**40.30N–.04**	**124.70W–.09**	**25–15**		**65**	**1-9**
ANF	XII	12 15 49 49.7–1.5	40.55N	124.27W		3.0L		**¶602043232**
NEIC	XII	12 15 49 50.0–.00	40.30N	124.50W	20	3.5W		
NCEDC	XII	12 15 49 50.0	40.30N	124.50W	20	3.5W		

ISC Event type fe.
ANF Error ellipse: s-maj=13.9km s-min=4.8km az=60.0.
NEIC Event type fe. Felt [II] at Ferndale, Fortuna and Petrolia. Also felt at Eureka and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$2.40000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**XII**	**12 16 02 54.3–1.8**	**36.64N–.04**	**141.07E–.08**	**30–12**	**3.8b**	**30**	**0-74**
NIED	XII	12 16 02 00	36.60N	141.00E	56	3.7W		**¶602043234**
ISCJB	XII	12 16 02 54.5–.69	36.62N–.04	141.06E–.08	49–5	3.7b		
JMA	XII	12 16 02 55.7	36.63N	140.96E	49–1	4.0		
IDC	XII	12 16 02 57.7–2.8	36.57N	140.96E	63–26	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ30.00000°,λ47.00000°. NP2:ϕ_s62.00000°,δ69.00000°,λ112.00000°. $M_0$4.46000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.8km az=13.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s69.00000°,δ57.00000°,λ118.00000°. NP2:ϕ_s204.00000°,δ42.00000°,λ54.00000°. Principal axes: T Plg65.0000°,Azm32.0000°; N Plg24.0000°,Azm233.0000°; P Plg8.0000°,Azm139.0000°
IDC Error ellipse: s-maj=23.6km s-min=11.6km az=58.0.

(447) Southern Quebec

ISC	**XII**	**12 17 46 04.5–.78**	**47.84N–.02**	**70.07W–.02**	**9–5**	**3.6b**	**260**	**0-149**
ISCJB	XII	12 17 46 03.1–.40	47.87N–.02	70.16W–.02	18–3	3.6b,3.0s		**¶602037020**
ANF	XII	12 17 46 04.5–.58	47.81N	69.93W	8	5.0L,3.0s		
IDC	XII	12 17 46 05.6–1.2	47.91N	70.32W	0	4.2,4.0		
NEIC	XII	12 17 46 06.0–.00	47.79N	70.05W	5	4.4,4.0		
OTT	XII	12 17 46 06.7–.08	47.79N	70.05W	5–1	4.4,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=162.6.
ANF Error ellipse: s-maj=6.5km s-min=4.1km az=47.0.
IDC Error ellipse: s-maj=25.7km s-min=8.9km az=130.0.
NEIC Event type fe. Felt [II] at Chicoutimi. Also felt at Baie-Saint-Paul, Charlevoix-Est, Les Escoumins, Montreal, Quebec, Rimouski, Saguenay, Saint-Felicien and Trois-Rivieres. Felt at Fort Kent and Lewiston, Maine. After OTT.
OTT Event type fe. 17km northeast from La Malbaie, Qc. Felt Charlevoix Seismic Zone, Qc. Felt in Charlevoix area, Qc.

(460) Wyoming

ISC	**XII**	**12 19 05 34.7–.71**	**43.77N–.04**	**105.26W–.05**	**0**	**4.0b**	**85**	**1-90**
ISCJB	XII	12 19 05 33.9–.30	43.80N–.02	105.17W–.04	0	4.0b,3.1s		**¶602391203**
IDC	XII	12 19 05 33.0–2.3	43.51N	105.19W	0	3.9b,3.8		
NEIC	XII	12 19 05 35.3–.27	43.83N	105.16W	0	3.5L,2.9		
ANF	XII	12 19 05 35.1–.47	43.79N	105.28W		3.5L,2.9		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.3km s-min=3.4km az=14.5.
IDC Error ellipse: s-maj=57.5km s-min=8.8km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.5km az=103.0. 57 km [36 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=6.9km s-min=4.4km az=114.0.

(224) Hokkaido region

ISC	**XII**	**12 21 15 35.0–.71**	**42.29N–.05**	**143.06E–.04**	**59–6**	**3.7b**	**40**	**0-76**
ISCJB	XII	12 21 15 33.8–.44	42.24N–.05	143.06E–.05	68–3	3.6b		**¶602090181**
MOS	XII	12 21 15 34.7–1.1	42.27N	143.13E	81	4.1b		
JMA	XII	12 21 15 35.6–.10	42.32N	143.02E	52–1	3.6		
IDC	XII	12 21 15 36.3–2.0	42.33N	143.04E	72–15	3.7,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=6.2km az=164.6.
MOS Error ellipse: s-maj=21.3km s-min=13.4km az=82.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s60.00000°,δ57.00000°,λ128.00000°. NP2:ϕ_s184.00000°,δ49.00000°,λ46.00000°. Principal axes: T Plg58.0000°,Azm26.0000°; N Plg32.0000°,Azm217.0000°; P Plg5.0000°,Azm124.0000°
IDC Error ellipse: s-maj=20.7km s-min=12.8km az=114.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**13 00 26 21.0–2.2**	**38.37N–.05**	**142.33E–.08**	**6–11**	**3.8b**	**23**	**1-62**
NIED	XII	13 00 26 00	38.40N	142.20E	11	3.4W		**¶602391221**
IDC	XII	13 00 26 25.1–2.2	37.83N	142.70E	0	3.7,3.6b		
JMA	XII	13 00 26 26.0–.10	38.45N	142.21E	29–2	3.7,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ40.00000°,λ-22.00000°. NP2:ϕ_s309.00000°,δ76.00000°,λ-127.00000°. $M_0$1.64000×10^{14}
IDC Error ellipse: s-maj=48.2km s-min=30.7km az=49.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(36) Northern California

ISC	XII	13 05 17 23.1–.89	38.82N–.03	122.76W–.03	10		52	0-18
ISCJB	XII	13 05 17 22.6–.39	38.80N–.03	122.80W–.04	10		¶602340331	
NEIC	XII	13 05 17 22.8–.00	38.82N	122.80W	4	3.7W		
IDC	XII	13 05 17 24.0–2.2	38.72N	122.62W	0	3.6,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=142.0.
NEIC Event type fe. Felt [IV] at Healdsburg, [III] at Middletown and [II] at Geyserville and Kelseyville. Also felt at Calistoga, Cloverdale, Hidden Valley Lake, Napa, San Francisco and Suisun City. After NCEDC. Moment Tensor Solution. $M_0$4.40000×10^{14}
IDC Error ellipse: s-maj=24.8km s-min=11.1km az=45.0.

(228) Near east coast of eastern Honshu

ISC	XII	13 11 56 07.0–.55	35.61N–.04	140.16E–.04	70–4	4.6b	264	0-148
BJI	XII	13 11 56 00.9	35.44N	140.63E	63	4.8b,4.6b	¶602043363	
NIED	XII	13 11 56 00	35.70N	140.30E	62	4.4W,4.6b		
JMA	XII	13 11 56 05.9–.20	35.72N	140.21E	68–2	4.2,4.6b		
ISCJB	XII	13 11 56 06.1–.23	35.59N–.02	140.14E–.03	75–2	4.5b,4.6b		
MOS	XII	13 11 56 06.2–.93	35.59N	140.09E	76	4.8b,4.6b		
NEIC	XII	13 11 56 07.2–.41	35.58N	140.11E	72–3	4.6b,4.6b		
IDC	XII	13 11 56 07.8–1.7	35.60N	140.07E	77–14	4.3,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ32.00000°,λ109.00000°. NP2:ϕ_s358.00000°,δ60.00000°,λ78.00000°. $M_0$4.25000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ86.00000°,λ92.00000°. NP2: ϕ_s173.00000°,δ4.00000°,λ64.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg2.0000°,Azm200.0000°; P Plg41.0000°,Azm108.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.8km az=167.8.
MOS Error ellipse: s-maj=9.8km s-min=5.8km az=122.5.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.5km az=109.0. Felt [III] at Tokyo. Felt widely in east-central Honshu.
IDC Error ellipse: s-maj=15.7km s-min=11.3km az=76.0.

(78) Costa Rica

ISC	XII	13 17 16 21.6–.64	9.06N–.04	84.03W–.04	44–5	5.0b,4.4s	892	0-154
UCR	XII	13 17 16 17.8–2.4	8.93N	84.09W	8–10	5.0b,4.9L	¶602043409	
ISCJB	XII	13 17 16 20.8–.30	9.13N–.02	84.02W–.02	51–2	4.9b,4.5s		
IDC	XII	13 17 16 21.7–1.8	9.20N	84.02W	42–16	4.6,4.5		
GCMT	XII	13 17 16 22.2–.20	8.94N–.02	84.09W–.02	20–0	5.0W,4.5		
MOS	XII	13 17 16 22.4–1.2	9.16N	84.01W	60	5.1b,4.5		
NEIC	XII	13 17 16 22.2–.61	9.06N	84.02W	49–5	5.5W,5.0b		

ISC Event type fe.
UCR Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.2km az=37.2.
IDC Error ellipse: s-maj=18.3km s-min=9.2km az=47.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c71; s91,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.14 $M_{\theta\theta}$-2.56±.10; $M_{\phi\phi}$-0.71±.11; $M_{r\theta}$1.86±.17; $M_{\theta\phi}$1.33±.07; $M_{\phi r}$-0.62±.23; Best double couple: NP1:ϕ_s113.00000°,δ60.00000°,λ85.00000°. NP2:ϕ_s302.00000°,δ30.00000°,λ98.00000°. Principal axes: T 3.8340,Plg74.0000° ,Azm11.0000°; N -0.0390,Plg4.0000°,Azm115.0000°; P -3.7870,Plg15.0000°,Azm206.0000° $M_0$3.81100×10^{16}
MOS Error ellipse: s-maj=9.6km s-min=5.0km az=102.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=212.0. Felt [III] at Quepos and San Jose. Felt widely in southern Costa Rica and in the Valle Central.

(78) Costa Rica

ISC	XII	13 17 20 27.0–.84	9.07N–.04	84.01W–.04	33–5	4.8b	437	0-153
IDC	XII	13 17 20 23.0–.61	9.44N	83.70W	0	4.5,4.4	¶602043410	
UCR	XII	13 17 20 24.4–2.0	8.94N	84.04W	5–6	4.9b,4.5L		
ISCJB	XII	13 17 20 27.4–.36	9.13N–.03	83.95W–.03	53–2	5.3s,4.7b		
GCMT	XII	13 17 20 29.2–.40	8.89N–.02	83.82W–.04	22–1	4.9W,4.7b		
NEIC	XII	13 17 20 29.2–.74	9.23N	83.95W	47–5	5.4W,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=10.1km az=41.0.
UCR Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=2.8km az=33.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s82,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.21 $M_{\theta\theta}$-2.06±.13; $M_{\phi\phi}$-0.68±.16; $M_{r\theta}$1.07±.16; $M_{\theta\phi}$1.15±.09; $M_{\phi r}$0.63±.29; Best double couple: NP1:ϕ_s101.00000°,δ54.00000°,λ68.00000°. NP2:ϕ_s316.00000°,δ41.00000°,λ118.00000°. Principal axes: T 3.1680,Plg71.0000° ,Azm317.0000°; N -0.3850,Plg18.0000°,Azm115.0000°; P -2.7870,Plg7.0000° ,Azm207.0000° $M_0$2.97800×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=207.0. Felts included with event at 17:16 UTC.

(496) New Mexico

ISC	XII	13 19 05 52.4–1.4	37.01N–.03	104.78W–.03	5–12		87	0-7
ANF	XII	13 19 05 51.1–.29	37.06N	104.87W		3.5L	¶602043422	
NEIC	XII	13 19 05 51.8–.30	36.97N	104.81W	5	3.3		

ISC Event type fe.
ANF Error ellipse: s-maj=2.6km s-min=2.0km az=177.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=205.0. Felt at Trinidad, Colorado.

(228) Near east coast of eastern Honshu

ISC	XII	13 19 06 59.7–1.2	38.85N–.05	141.69E–.08	78–7		31	0-59
IDC	XII	13 19 06 46.5–3.0	39.23N	142.66E	0	3.5,3.4b	¶602391279	
ISCJB	XII	13 19 06 59.3–.78	38.84N–.04	141.67E–.08	81–4	3.2b,3.4b		
JMA	XII	13 19 07 00.7	38.84N	141.59E	74–1	3.3,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=69.9km s-min=31.9km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=6.0km az=15.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s163.00000°,δ59.00000°,λ89.00000°. NP2:ϕ_s345.00000°,δ31.00000°,λ91.00000°. Principal axes: T Plg76.0000°,Azm71.0000°; N Plg1.0000°,Azm164.0000°; P Plg14.0000° ,Azm254.0000°

(456) Montana

ISC	XII	13 20 54 34.2–.94	45.07N–.04	106.96W–.04	0		28	2-9
IDC	XII	13 20 54 35.8–1.3	44.54N	106.30W	0	3.6,3.4	¶602391280	
NEIC	XII	13 20 54 37.5–.75	45.22N	106.69W	0	3.1L,2.4		

ISC Event type sm.
IDC Error ellipse: s-maj=98.5km s-min=8.9km az=142.0.
NEIC Event type fm. Error ellipse: s-maj=10.5km s-min=9.0km az=149.0. 51 km [32 miles] NNE of Sheridan. Suspected Mining explosion.

(460) Wyoming

ISC	XII	13 21 03 53.3–.74	43.88N–.04	105.23W–.04	0		38	1-89
ISCJB	XII	13 21 03 52.2–.46	43.86N–.03	105.23W–.05	0	3.8b	¶602391281	
IDC	XII	13 21 03 52.1–1.7	43.68N	105.28W	0	3.8b,3.7		
NEIC	XII	13 21 03 53.1–.75	43.85N	105.15W	0	3.3L,3.7		
ANF	XII	13 21 03 54.0–.41	43.76N	105.25W		3.6L,3.7		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.4km s-min=4.3km az=139.0.
IDC Error ellipse: s-maj=43.5km s-min=8.4km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=9.6km az=178.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=6.1km s-min=4.3km az=112.0.

(73) El Salvador

ISC	XII	13 21 26 43.9–.71	13.04N–.04	90.05W–.04	46–5	5.4b,5.0s	1753	1-164
NEIC	XII	13 21 26 39.2–.13	13.07N	89.97W	10	5.5b,5.3W	¶602043440	
MOS	XII	13 21 26 42.8–.84	13.17N	89.92W	50	5.6b,5.0s		
UCR	XII	13 21 26 42.9–2.5	12.88N	90.16W	32–10	5.5b,4.9		
GCMT	XII	13 21 26 43.2–.10	12.87N–.01	90.53W–.01	14–0	5.4W,4.9		
ISCJB	XII	13 21 26 45.5–.24	13.18N–.01	89.89W–.02	75–2	5.3b,4.9		
IDC	XII	13 21 26 45.5–1.8	13.29N	89.76W	56–15	5.1,5.0		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=39.0. Felt at Acajutla. Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ67.00000°,λ88.00000°. NP2: ϕ_s315.00000°,δ23.00000°,λ95.00000°. Principal axes: T 1.0900,Plg68.0000°,Azm36.0000° ; N -0.0800,Plg2.0000°,Azm131.0000°; P -1.0100,Plg22.0000°,Azm222.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=96.7.
UCR Error ellipse: s-maj=4.2km s-min=14.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c172; s119,c212;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$0.59±.04; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.59±.04; Best double couple: NP1:ϕ_s126.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s283.00000°,δ30.00000°,λ70.00000°. Principal axes: T 1.4960,Plg71.0000° ,Azm61.0000°; N 0.0320,Plg10.0000°,Azm301.0000°; P -1.5260,Plg16.0000°,Azm208.0000° $M_0$1.51100×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.8km az=139.7.
IDC Error ellipse: s-maj=15.3km s-min=7.9km az=52.0.

(391) Albania

ISC	XII	13 21 39 27.8–.68	41.14N–.01	19.79E–.02	24–4	4.4b	799	0-123
HLW	XII	13 21 39 21.9	41.21N	20.47E	10–19	4.8L	¶606859664	
BEO	XII	13 21 39 25.1–.70	40.93N	19.81E	3–2	4.0L		
MOS	XII	13 21 39 25.7–1.3	41.10N	19.63E	19	4.3b		
ATH	XII	13 21 39 26.9	41.23N	19.72E	33–1	4.2L		
NEIC	XII	13 21 39 26.6–.15	41.15N	19.72E	10	4.4b,4.3L		
TIR	XII	13 21 39 27.1	41.05N	19.87E	10	4.3,4.3L		
ROM	XII	13 21 39 27.5–.10	41.132N–.01	19.66E–.01	10	4.0L,4.3L		
THE	XII	13 21 39 27.0	41.28N	19.61E	23–1	4.2L,4.3L		
LDG	XII	13 21 39 27.0–.08	41.09N	19.78E	10	4.3L,4.3L		
PDG	XII	13 21 39 27.1–.50	41.09N	19.74E	18–0	4.1,4.0L		
SAR	XII	13 21 39 28.2–.65	41.09N	19.72E	18–3	4.3L,4.0L		
IDC	XII	13 21 39 29.5–1.3	41.19N	19.74E	38–11	4.0,3.9		
PRU	XII	13 21 39 41.1–.00	41.56N	19.67E	0	4.4,3.9		

ISC Event type fe.
BEO Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.8km az=88.6.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=346.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=42.0. Felt [IV] at Tirana and [III] at Farka e Madhe. Also felt at Berat, Elbasan and Peqin. Felt at Pristina, Kosovo. Moment Tensor Solution. s17 Moment tensor: Scale 10^{15}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$0.17 $M_{r\theta}$0.64 $M_{\theta\phi}$0.46 $M_{\phi r}$-1.25 Best double couple: NP1:ϕ_s260.00000°,δ22.00000°,λ22.00000°. NP2: ϕ_s150.00000°,δ82.00000°,λ111.00000°. Principal axes: T 1.5600,Plg49.0000°,Azm83.0000° ; N 0.0100,Plg21.0000°,Azm327.0000°; P -1.5700,Plg34.0000°,Azm222.0000° $M_0$1.60000×10^{15}
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=313.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=40.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
IDC Error ellipse: s-maj=11.2km s-min=9.4km az=168.0.

(122) Near coast of northern Chile

ISC	XII	14 02 48 38.4–.80	27.65S–.05	70.23W–.06	101–7		52	0-151
IDC	XII	14 02 48 26.6–1.5	28.36S	69.62W	0	3.9,3.8	¶602043473	
ISCJB	XII	14 02 48 37.8–.44	27.60S–.03	70.19W–.08	110–5	3.5b,3.8		
NEIC	XII	14 02 48 38.0–.00	27.65S	70.20W	108	3.4L,3.8		
GUC	XII	14 02 48 38.8–.39	27.65S	70.20W	108–2	3.4L,3.8		
SJA	XII	14 02 48 40.9–1.0	27.86S	70.11W	118–11	3.2W,3.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=76.9km s-min=31.5km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.2km az=173.3.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla and [II] at Vallenar. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0.
SJA Error ellipse: s-maj=8.7km s-min=5.3km az=-1.0.

(71) Near coast of Guatemala

ISC	XII	14 04 58 49.9–.81	13.99N–.05	92.00W–.05	48–6	5.1b,4.3s	1036	1-160
UCR	XII	14 04 58 46.3–1.2	13.66N	92.19W	84–52	5.1b,4.6L	¶602043485	
GCMT	XII	14 04 58 47.5–.20	13.77N–.01	92.37W–.02	17–0	5.0W,4.6L		
IDC	XII	14 04 58 48.0–3.1	13.88N	91.72W	33–20	5.2L,4.8		
NEIC	XII	14 04 58 48.5–.73	13.82N	91.73W	36–5	5.1b,4.9		
MOS	XII	14 04 58 50.9–.95	14.07N	91.67W	64	5.2b,4.9		
MEX	XII	14 04 58 52.7–1.0	14.15N	92.00W	48–40	4.9,4.9		
ISCJB	XII	14 04 58 53.0–.38	14.08N–.02	91.65W–.02	86–3	5.0b,4.9		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c85; s88,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.52±.14 $M_{\theta\theta}$-2.86±.10; $M_{\phi\phi}$-0.66±.10; $M_{r\theta}$2.20±.24; $M_{\theta\phi}$1.33±.07; $M_{\phi r}$-1.87±.28; Best double couple: NP1:ϕ_s125.00000°,δ65.00000°,λ98.00000°. NP2:ϕ_s286.00000°,δ26.00000°,λ74.00000°. Principal axes: T 4.6030,Plg69.0000° ,Azm50.0000°; N -0.1310,Plg7.0000°,Azm301.0000°; P -4.4740,Plg19.0000°,Azm209.0000° $M_0$4.53800×10^{16}
NEIC Event type fe. Felt at Guatemala and Quetzaltenango. Also felt at Tuxtla Gutierrez, Mexico.
ISCJB Event type fe.

(135) Near coast of central Chile

ISC	XII	14 10 03 00.3–.61	33.84S–.04	71.39W–.06	61–5	4.2b	56	1-156
ISCJB	XII	14 10 02 58.4–.46	33.86S–.03	71.41W–.07	62–4	4.1b	¶602347526	
GUC	XII	14 10 02 59.5–.48	33.70S	71.28W	78–12	3.9L		
NEIC	XII	14 10 02 60.0–.39	33.85S	71.36W	59–4	3.9L		
IDC	XII	14 10 03 01.2–.88	33.85S	71.26W	64–6	4.0,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.5km az=9.9.
GUC Error ellipse: s-maj=5.9km s-min=7.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.0km az=93.0. Felt [III] at Alhue, Curacavi, Las Cabras, Maria Pinto, Melipilla, Mostazal, Navidad and Rancagua; [II] at San Pedro.
IDC Error ellipse: s-maj=29.0km s-min=14.1km az=88.0.

(47) Off west coast of Baja California

ISC	XII	14 10 36 01.8–.48	31.11N–.03	119.63W–.03	16–2	6.2s,6.2b	2522	2-163
BJI	XII	14 10 35 57.5	31.21N	119.52W	10	6.6b,6.4s	¶602043521	
MOS	XII	14 10 35 59.8–.83	31.16N	119.68W	13	6.4b,6.3s		
NEIC	XII	14 10 36 01.6–.14	31.10N	119.66W	13	6.4W,6.3W		
NEIC	XII	14 10 36 01.0–.00	31.22N	119.67W	15	6.4W,6.3W		
PAS	XII	14 10 36 02.0–.00	31.35N	119.60W	11	6.4W,6.3W		
ECX	XII	14 10 36 02.3	31.14N	119.28W	12	6.4s,6.1L		
ISCJB	XII	14 10 36 03.2–.46	31.25N–.01	119.53W–.01	32–3	6.2s,6.1b		
GCMT	XII	14 10 36 04.6–.00	31.08N	119.61W	21–0	6.4W,6.1b		
IDC	XII	14 10 36 04.6–2.2	31.17N	119.58W	33–16	6.0,6.0		
MEX	XII	14 10 36 04.8–1.1	31.20N	119.40W	15–391	6.4,6.0		
ANF	XII	14 10 36 09.1–1.1	31.51N	119.30W	35–9	6.1L,6.0		
NEIC	XII	14 10 36 24.5–.00	31.34N	119.80W	26	6.1L,6.0		

ISC Event type fe.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=74.5.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=222.0. Felt [V] at Ensenada and [III] at Rosarito and Tijuana. Also felt at Camalu and Mexicali. Felt [IV] at San Diego and [III] in many areas inland and along the coastline of southern California. Also felt in parts of northern California, Arizona and Nevada. Apparent Stress 0.28 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.54 $M_{\theta\theta}$0.91 $M_{\phi\phi}$2.62 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.85 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s20.00000°,δ54.00000°,λ-93.00000°. NP2: ϕ_s204.00000°,δ36.00000°,λ-87.00000°. Principal axes: T 3.1300,Plg9.0000°,Azm112.0000° ; N 0.5700,Plg2.0000°,Azm21.0000°; P -3.7100,Plg81.0000°,Azm279.0000° $M_0$3.50000×10^{18}
NEIC Event type se. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.77 $M_{\theta\theta}$1.05 $M_{\phi\phi}$2.73 $M_{r\theta}$0.65 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s226.00000° ,δ47.00000°,λ-7.00000°. NP2:ϕ_s23.00000°,δ45.00000°,λ-106.00000°. Principal axes: T 4.2300,Plg0.0000°,Azm304.0000°; N -0.3100,Plg11.0000°,Azm34.0000° ; P -3.9200,Plg78.0000°,Azm210.0000° $M_0$4.10000×10^{18}
PAS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=33.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c347; s149,c593; Duration: 3^{s}7 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.03±.03 $M_{\theta\theta}$0.90±.02; $M_{\phi\phi}$3.13±.02; $M_{r\theta}$-0.53±.04; $M_{\theta\phi}$2.59±.02; $M_{\phi r}$-0.76±.04; Best double couple: NP1:ϕ_s34.00000°,δ51.00000° ,λ-90.00000°. NP2:ϕ_s213.00000°,δ39.00000°,λ-91.00000°. Principal axes: T 4.9320,Plg6.0000°,Azm123.0000°; N -0.8030,Plg0.0000°,Azm213.0000° ; P -4.1270,Plg84.0000°,Azm307.0000° $M_0$4.52900×10^{18}
IDC Error ellipse: s-maj=10.8km s-min=7.7km az=56.0.
MEX Error ellipse: s-maj=39.0km s-min=413.2km az=-1.0.
ANF Error ellipse: s-maj=7.4km s-min=3.7km az=50.0.
NEIC Event type se. Moment Tensor Solution. s74 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.63 $M_{\theta\theta}$1.08 $M_{\phi\phi}$3.55 $M_{r\theta}$-1.21 $M_{\theta\phi}$2.59 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s192.00000° ,δ54.00000°,λ-117.00000°. NP2:ϕ_s52.00000°,δ44.00000°,λ-58.00000°. Principal axes: T 5.2600,Plg5.0000°,Azm300.0000°; N 0.2200,Plg21.0000°,Azm208.0000° ; P -5.4900,Plg68.0000°,Azm43.0000° $M_0$5.40000×10^{18}

(47) Off west coast of Baja California

ISC	XII	14 10 50 20.9–1.8	31.55N–.05	119.38W–.04	17–10	4.5b	397	2-111

IDC XII 14 10 50 14.9–1.6 31.22N 119.53W 0 4.3,4.3L ¶602043525
ISCJB XII 14 10 50 18.8–.75 31.58N–.03 119.34W–.02 11–5 4.4b,4.3L
NEIC XII 14 10 50 18.4–.56 31.41N 119.44W 10 4.3b,4.3L
ANF XII 14 10 50 19.9–.95 31.46N 119.42W 45–6 4.8L,4.3L
MOS XII 14 10 50 30.6–2.0 32.46N 118.91W 10 5.1b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=19.5km az=39.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.9km az=20.2.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.7km az=28.0. Felt at Avalon, California.
ANF Error ellipse: s-maj=10.4km s-min=3.8km az=31.0.
MOS Error ellipse: s-maj=9.9km s-min=4.4km az=81.8.

(228) Near east coast of eastern Honshu

ISC XII 14 14 19 23.1–1.7 37.19N–.04 141.51E–.06 16–11 3.4b 30 1-57
IDC XII 14 14 19 25.9–4.5 37.19N 141.55E 35–38 3.5,3.5 ¶602391327
JMA XII 14 14 19 25.9–.10 37.19N 141.41E 48–1 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=20.0km az=111.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC XII 14 18 46 47.8–1.1 38.12N–.04 141.60E–.08 59–7 3.5b 43 0-62
ISCJB XII 14 18 46 46.6–.63 38.12N–.03 141.61E–.07 71–4 3.3b ¶602391339
IDC XII 14 18 46 46.7–2.8 38.16N 141.74E 59–23 3.6,3.6L
JMA XII 14 18 46 48.4 38.12N 141.51E 63–1 3.9,3.6L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=4.8km az=21.7.
IDC Error ellipse: s-maj=41.5km s-min=18.7km az=81.0.
JMA Event type fe.

(76) Off coast of central America

ISC XII 14 19 18 50.7–1.2 12.83N–.04 90.14W–.04 18–6 4.8b,4.2s 636 1-150
IDC XII 14 19 18 48.3–.48 13.11N 89.75W 0 4.7,4.6 ¶602043587
SNET XII 14 19 18 51.0 12.81N 90.19W 19 4.8b,4.8
NEIC XII 14 19 18 51.0–.00 12.81N 90.19W 19 4.8,4.8b
UCR XII 14 19 18 52.1–2.1 12.79N 90.14W 20–5 4.8b,4.6L
GCMT XII 14 19 18 56.0–.50 12.77N–.02 90.24W–.03 22–1 5.0W,4.6L
ISCJB XII 14 19 18 56.3–.34 13.04N–.02 89.92W–.03 80–2 4.7b,4.6L
ISC Event type fe.
NEIC Event type fe. Felt [I] at Sonsonate. After SNET.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s77,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.19 $M_{\theta\theta}$-0.96±.12; $M_{\phi\phi}$2.65±.16; $M_{r\theta}$2.17±.24; $M_{\theta\phi}$-1.20±.09; $M_{\phi r}$-0.20±.17; Best double couple: NP1:ϕ_s308.00000°,δ67.00000° ,λ-134.00000°. NP2:ϕ_s196.00000°,δ48.00000°,λ-31.00000°. Principal axes:
T 3.1790,Plg12.0000°,Azm68.0000°; N 0.4080,Plg40.0000°,Azm328.0000° ; P -3.5930,Plg48.0000°,Azm171.0000° $M_0$3.38600×10^{16}
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC XII 14 20 37 16.3–.31 38.64N–.04 142.50E–.04 35–3 4.8b,4.2s 574 1-151
NIED XII 14 20 37 00 38.60N 142.40E 44 4.9W,4.2s ¶602043598
JMA XII 14 20 37 16.7–.10 38.65N 142.46E 40–2 4.8,4.2s
GCMT XII 14 20 37 16.9–.40 38.68N–.03 142.35E–.04 38–1 4.9W,4.2s
MOS XII 14 20 37 16.3–.91 38.87N 142.35E 36 5.0b,4.0s
ISCJB XII 14 20 37 17.3–.35 38.70N–.02 142.34E–.03 50–3 4.8b,4.1s
NEIC XII 14 20 37 18.9–.42 38.66N 142.30E 54–3 4.8b,4.1s
BJI XII 14 20 37 18.3 38.67N 142.15E 54 5.1b,4.7b
IDC XII 14 20 37 18.6–1.8 38.64N 142.37E 53–16 4.5,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ26.00000°,λ101.00000°. NP2:ϕ_s227.00000°,δ64.00000°,λ85.00000°. $M_0$2.20000×10^{16}
JMA Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s57,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.17 $M_{\theta\theta}$-1.65±.10; $M_{\phi\phi}$-0.99±.12; $M_{r\theta}$-1.02±.09; $M_{\theta\phi}$-1.16±.07; $M_{\phi r}$-1.35±.09; Best double couple: NP1:ϕ_s225.00000°,δ62.00000°,λ82.00000°. NP2:ϕ_s60.00000°,δ29.00000°,λ104.00000°. Principal axes: T 3.1700,Plg72.0000° ,Azm117.0000°; N -0.1720,Plg7.0000°,Azm228.0000°; P -3.0040,Plg16.0000° ,Azm320.0000° $M_0$3.08700×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=4.2km az=87.4.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=149.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=144.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.1km s-min=9.3km az=110.0.

(228) Near east coast of eastern Honshu

ISC XII 14 22 16 37.4–2.3 38.67N–.06 142.60E–.09 23–15 3.7b 29 1-63
NIED XII 14 22 16 00 38.70N 142.50E 53 3.6W ¶602391350
IDC XII 14 22 16 33.2–1.8 38.71N 142.81E 0 3.5,3.5b
JMA XII 14 22 16 40.3–.10 38.66N 142.44E 39–2 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_r46.00000°,δ37.00000°,λ100.00000°. NP2:ϕ_s213.00000°,δ54.00000°,λ82.00000°. $M_0$2.88000×10^{14}
IDC Error ellipse: s-maj=46.8km s-min=20.8km az=72.0.
JMA Event type fe.

(43) Southern California

ISC XII 14 23 34 39.1–.92 33.87N–.02 115.99W–.02 8–7 137 0-11
IDC XII 14 23 34 39.0–2.3 33.91N 115.89W 0 3.7L,3.6 ¶602340339
ANF XII 14 23 34 38.5–.19 33.85N 115.99W 12–1 3.6L,3.6
NEIC XII 14 23 34 39.5–.00 33.89N 115.99W 2 3.5L,3.6
SCEDC XII 14 23 34 39.5 33.89N 115.99W 2 3.5L,3.6
PAS XII 14 23 34 39.5 33.89N 115.99W 2 3.5L,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=33.9km s-min=12.3km az=45.0.
ANF Error ellipse: s-maj=1.5km s-min=1.3km az=123.0.
NEIC Event type fe. Felt at Desert Center, El Cajon, Escondido, Indio, La Quinta, Palm Desert, Rancho Mirage, Riverside and San Diego. After PAS.

(73) El Salvador

ISC XII 15 02 53 17.5–1.4 12.90N–.08 90.05W–.07 64–12 4.2b 77 1-150
UCR XII 15 02 53 14.0–1.5 12.85N 90.19W 19–6 4.2b,3.9L ¶602043641
ISCJB XII 15 02 53 16.1–.81 12.89N–.06 90.06W–.05 66–6 4.1b,3.9L
IDC XII 15 02 53 17.9–2.0 13.00N 89.90W 59–15 4.0,4.0
NEIC XII 15 02 53 18.9–1.1 13.07N 89.89W 64–9 4.2b,3.9
ISC Event type fe.
UCR Error ellipse: s-maj=4.5km s-min=6.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=4.8km az=40.2.
IDC Error ellipse: s-maj=28.1km s-min=9.8km az=45.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=7.2km az=217.0. Felt [I] at San Salvador.

(228) Near east coast of eastern Honshu

ISC XII 15 04 27 01.9–.26 37.35N–.03 141.31E–.03 61–2 5.2b 1318 0-162
BJI XII 15 04 26 59.5 37.34N 141.24E 59 5.4b,5.4b ¶602043656
MOS XII 15 04 27 00.6–.93 37.41N 141.27E 56 5.5b,4.1s
NIED XII 15 04 27 00 37.30N 141.40E 59 5.2W,4.1s
JMA XII 15 04 27 01.6–.10 37.30N 141.35E 59–1 5.3,4.1s
ISCJB XII 15 04 27 01.8–.20 37.32N–.02 141.23E–.02 68–1 5.1b,4.1s
IDC XII 15 04 27 02.1–.31 37.30N 141.15E 59–2 5.2,5.0
NEIC XII 15 04 27 02.3–.22 37.31N 141.21E 63–2 5.2b,5.0
GCMT XII 15 04 27 03.3–.20 37.37N–.01 141.23E–.02 59–2 5.2W,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ17.00000°,λ130.00000°. NP2:ϕ_s206.00000°,δ77.00000°,λ79.00000°. $M_0$7.61000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Sendai and [II] at Tokyo. Felt in much of east-central and northern Honshu. Recorded [4 JMA] in Fukushima and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c122; s93,c153;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.24 $M_{\theta\theta}$-1.54±.23; $M_{\phi\phi}$-1.78±.24; $M_{r\theta}$-3.87±.19; $M_{\theta\phi}$-2.89±.18; $M_{\phi r}$-6.92±.20; Best double couple: NP1:ϕ_s210.00000°,δ77.00000°,λ81.00000°. NP2:ϕ_s65.00000°,δ15.00000°,λ124.00000°. Principal axes: T 8.4150,Plg57.0000° ,Azm109.0000°; N 0.9290,Plg8.0000°,Azm212.0000°; P -9.3440,Plg32.0000°,Azm307.0000° $M_0$8.88000×10^{16}

(5) Near Islands

ISC XII 15 04 49 31.5–.19 52.24N–.03 174.07E–.03 39–2 5.8b,5.7s 2396 0-164
MOS XII 15 04 49 27.3–.79 52.29N 174.07E 22 6.0b,5.7s ¶602043659
AEIC XII 15 04 49 28.4–.00 52.20N 173.69E 45 6.0b,5.7s
BJI XII 15 04 49 28.6 52.34N 173.91E 30 6.2b,5.9b
ISCJB XII 15 04 49 29.6–.35 52.20N–.02 174.17E–.02 38–3 5.7b,5.7s
IDC XII 15 04 49 29.5–1.3 52.31N 174.09E 24–7 5.7,5.6
NEIC XII 15 04 49 29.6–.07 52.29N 174.01E 26 6.0W,5.9W
NEIC XII 15 04 49 30.0–.00 52.24N 173.96E 35 6.0W,5.9W
GCMT XII 15 04 49 33.6–.10 52.31N–.01 173.96E–.01 33–0 6.0W,5.9W
ISC Event type fe.
AEIC Event type se.
ISCJB Event type fe.
NEIC Event type fe. Felt on Adak and Shemya. Apparent Stress 0.23 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s123 Moment tensor: Scale 10^{17}Nm; M_{rr}5.50 $M_{\theta\theta}$-5.91 $M_{\phi\phi}$0.42 $M_{r\theta}$4.56 $M_{\theta\phi}$-1.36 $M_{\phi r}$3.61 Best double couple: NP1:ϕ_s277.00000°,δ27.00000°,λ124.00000°. NP2: ϕ_s60.00000°,δ68.00000°,λ74.00000°. Principal axes: T 8.2700,Plg63.0000°,Azm304.0000° ; N 0.0000,Plg15.0000°,Azm66.0000°; P -8.2700,Plg22.0000°,Azm162.0000° $M_0$8.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s60.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm330.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm150.0000°
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ75.00000° ,λ73.00000°. NP2:ϕ_s287.00000°,δ22.00000°,λ137.00000°. Principal axes: T 1.2200,Plg56.0000°,Azm305.0000°; N -0.0300,Plg16.0000°,Azm61.0000° ; P -1.1900,Plg28.0000°,Azm160.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c309; s143,c428; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.71±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$0.20±.01; $M_{r\theta}$0.79±.01; $M_{\theta\phi}$-0.13±.01; $M_{\phi r}$0.68±.01; Best double couple: NP1:ϕ_s57.00000°,δ73.00000° ,λ69.00000°. NP2:ϕ_s289.00000°,δ27.00000°,λ139.00000°. Principal axes: T 1.3450,Plg57.0000°,Azm300.0000°; N -0.0050,Plg20.0000°,Azm64.0000° ; P -1.3400,Plg25.0000°,Azm163.0000° $M_0$1.34200×10^{18}

(228) Near east coast of eastern Honshu

ISC XII 15 05 46 12.1–.75 36.82N–.03 141.22E–.04 26–5 4.8b 530 0-152
NIED XII 15 05 46 00 36.80N 141.30E 8 4.7W ¶602043667
BJI XII 15 05 46 10.7 36.60N 141.25E 40 5.3b,4.8b
JMA XII 15 05 46 10.3–.10 36.82N 141.21E 32–1 5.0,4.8b
ISCJB XII 15 05 46 11.6–.44 36.83N–.02 141.10E–.02 29–3 4.7b,4.2s
IDC XII 15 05 46 13.6–3.3 36.83N 141.06E 36–27 4.6,4.5
NEIC XII 15 05 46 13.9–.10 36.82N 141.03E 35 4.8b,4.5
MOS XII 15 05 46 14.3–.88 37.23N 141.01E 37 5.0b,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ36.00000°,λ-43.00000°. NP2:ϕ_s171.00000°,δ67.00000°,λ-118.00000°. $M_0$1.32000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s12.00000°,δ63.00000°,λ-86.00000°. NP2:ϕ_s183.00000°,δ27.00000°,λ-98.00000°. Principal axes: T Plg18.0000°,Azm99.0000°; N Plg4.0000°,Azm190.0000°; P Plg72.0000° ,Azm292.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=41.5.
IDC Error ellipse: s-maj=13.4km s-min=11.8km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=145.0. Felt from Sendai to Tokyo and from Maebashi to Hitachi. Recorded [4 JMA] in Ibaraki.
MOS Error ellipse: s-maj=6.8km s-min=5.1km az=97.6.

(362) Western Caucasus

ISC XII 15 05 51 32.4–1.0 44.45N–.02 42.48E–.02 10–8 3.6b 175 0-72
AZER XII 15 05 51 31.6–99 44.69N 42.74E 2–282 3.9L ¶602062422
NORS XII 15 05 51 32.8–.00 44.36N 42.35E 7–0 5.2
MOS XII 15 05 51 33.7–.00 44.36N 42.46E 14–0 5.1
IDC XII 15 05 51 33.4–1.6 44.29N 42.37E 20–17 4.1L,3.7
TIF XII 15 05 51 33.3 44.37N 42.47E 7–1 4.1L,3.7
ISC Event type se.
AZER Error ellipse: s-maj=2154.0km s-min=37.3km az=318.0.
NORS Event type se.
MOS Event type se. FELT I=IV MSK at Uchkeken, Andropovskii area of Stavpopol kray, Prikubanian area of Kabardino-Balkariya; III MSK at Kislovodsk, Cherkessk).
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=10.0.

(229) Off east coast of Honshu

ISC XII 15 10 55 23.9–.40 37.72N–.03 143.85E–.04 32–2 4.9b,4.0s 517 2-153
NIED XII 15 10 55 00 37.70N 143.60E 8 4.7W,4.0s ¶606073641
ISCJB XII 15 10 55 19.5–.80 37.83N–.02 143.67E–.02 4–4 4.8b,4.1s
IDC XII 15 10 55 19.0–.38 37.63N 143.81E 0 4.8,4.7
NEIC XII 15 10 55 22.6–2.1 37.62N 143.73E 20–13 4.8b,4.7
JMA XII 15 10 55 22.1–.20 37.70N 143.67E 53 4.7,4.7
BJI XII 15 10 55 23.3 37.91N 143.56E 38 5.1b,5.0b
MOS XII 15 10 55 24.6–1.2 38.09N 143.66E 31 5.0b,5.0b
GCMT XII 15 10 55 24.6–.50 37.85N–.04 143.72E–.04 18–1 4.8W,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ22.00000°,λ-108.00000°. NP2:ϕ_s203.00000°,δ69.00000°,λ-83.00000°. $M_0$1.25000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Miyagi.
JMA Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s59,c82;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49±.14 $M_{\theta\theta}$0.06±.08; $M_{\phi\phi}$1.43±.10; $M_{r\theta}$0.65±.23; $M_{\theta\phi}$0.37±.05; $M_{\phi r}$0.87±.19; Best double couple: NP1:ϕ_s207.00000°,δ63.00000°,λ-78.00000°. NP2:ϕ_s2.00000°,δ29.00000°,λ-112.00000°. Principal axes: T 1.8360,Plg17.0000° ,Azm288.0000°; N 0.0460,Plg11.0000°,Azm21.0000°; P -1.8790,Plg70.0000°,Azm142.0000° $M_0$1.85800×10^{16}

(73) El Salvador

ISC XII 15 13 03 21.0–.50 12.93N–.05 90.08W–.05 29 4.5b,4.0s 301 1-148
SNET XII 15 13 03 18.0–.00 12.74N 90.21W 14 4.5b,4.0s ¶602043733
UCR XII 15 13 03 20.3–1.9 12.93N 90.31W 29–16 4.5b,4.2L
ISCJB XII 15 13 03 20.9–.31 13.11N–.04 90.02W–.03 29 4.5b,4.0s
GCMT XII 15 13 03 22.0–.50 12.73N–.03 90.52W–.05 20–1 4.8W,4.0s
IDC XII 15 13 03 26.2–2.0 13.38N 89.64W 65–16 4.2,4.2
NEIC XII 15 13 03 26.0–.61 13.13N 89.87W 66–5 4.5b,4.3
ISC Event type fe.
SNET Event type se.
UCR Error ellipse: s-maj=5.6km s-min=18.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.3km az=35.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c27; s52,c74;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.39±.16 $M_{\theta\theta}$-1.35±.10; $M_{\phi\phi}$-0.03±.10; $M_{r\theta}$1.26±.19; $M_{\theta\phi}$0.45±.06; $M_{\phi r}$-0.58±.21; Best double couple: NP1:ϕ_s113.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s281.00000°,δ23.00000°,λ80.00000°. Principal axes: T 1.9560,Plg68.0000° ,Azm31.0000°; N 0.0880,Plg4.0000°,Azm291.0000°; P -2.0410,Plg22.0000°,Azm199.0000° $M_0$1.99900×10^{16}
IDC Error ellipse: s-maj=33.0km s-min=11.5km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.5km az=211.0. Felt [I] at San Salvador.

(71) Near coast of Guatemala

ISC XII 15 15 28 12.3–1.5 12.9N–.10 90.13W–.08 65–12 4.0b 42 1-148
IDC XII 15 15 28 03.1–2.3 12.90N 89.48W 0 4.1,3.9 ¶602056557
SNET XII 15 15 28 07.0–.00 12.76N 90.25W 15 4.1,3.9
UCR XII 15 15 28 07.3–.87 12.77N 90.26W 15–4 3.8b,3.7L
ISCJB XII 15 15 28 09.3–.96 12.74N–.07 90.17W–.06 58–9 4.0b,3.7L
NEIC XII 15 15 28 12.8–1.3 13.07N 90.03W 57–11 3.8,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=47.1km s-min=35.1km az=29.0.
SNET Event type se.
UCR Error ellipse: s-maj=4.5km s-min=6.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=8.3km az=31.5.
NEIC Event type fe. Error ellipse: s-maj=25.5km s-min=9.9km az=204.0. Felt [I] at San Salvador.

(377) Spain

ISC XII 15 16 00 44.2–1.1 38.08N–.02 3.29W–.02 9–9 191 0-6
IGIL XII 15 16 00 43.9 38.06N 3.28W 2 3.3L ¶602043752
MDD XII 15 16 00 45.0–.15 38.06N 3.28W 2–2 3.5b,3.5
SFS XII 15 16 00 44.0 38.00N 3.20W 2 3.3L,3.5
LDG XII 15 16 00 45.1–.10 38.03N 3.28W 2 3.1L,3.5
INMG XII 15 16 00 45.1–1.6 38.06N 3.28W 7–2 3.4L,3.5
ISC Event type ke.

MDD Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=173.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=159.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=75.0.

(124) Chile-Bolivia border region

ISC	**XII**	**15 18 55 14.5–.56**	**21.15S–.04**	**68.80W–.06**	**120–5**	**4.2b**	**72**	**1-151**
ISCJB	XII	15 18 55 13.7–.34	21.11S–.03	68.86W–.07	125–4	4.1b		**¶602342562**
GUC	XII	15 18 55 14.9–.60	21.08S	68.96W	117–4	4.2L		
NEIC	XII	15 18 55 14.0–.00	21.07S	68.96W	117	4.4b,4.2L		
IDC	XII	15 18 55 14.8–1.7	20.96S	68.67W	107–17	4.2,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.2km az=2.5.
GUC Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
NEIC Event type fe. Felt [II] at Pica. After GUC.
IDC Error ellipse: s-maj=21.8km s-min=18.9km az=164.0.

(377) Spain

ISC	**XII**	**15 18 59 52.4–1.1**	**38.08N–.02**	**3.30W–.01**	**9–8**		**253**	**0-66**
IGIL	XII	15 18 59 53.7	38.03N	3.29W	3	3.6L		**¶602043760**
IDC	XII	15 18 59 54.2–3.4	38.11N	3.28W	22–25	3.2,3.2		
MDD	XII	15 18 59 54.2–.17	38.04N	3.29W	3–1	3.7,3.2		
INMG	XII	15 18 59 54.3–1.6	38.03N	3.29W	4–2	3.6L,3.2		
SFS	XII	15 18 59 54.0	38.00N	3.20W	3	3.5L,3.2		
LDG	XII	15 18 59 55.8–.32	38.02N	3.37W	2	3.3L,3.2		
CNRM	XII	15 18 59 55.1	37.84N	3.16W	6	3.7L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=19.4km az=108.0.
MDD Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=7.0. EMS: V INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=57.0.
SFS TORREPEROGIL. (JAEN).
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=3.6km az=154.0.

(460) Wyoming

ISC	**XII**	**15 20 11 16.9–1.3**	**43.64N–.06**	**105.13W–.07**	**0**		**90**	**1-9**
ISCJB	XII	15 20 11 15.3–.38	43.64N–.03	105.08W–.05	0			**¶602391416**
IDC	XII	15 20 11 15.5–2.3	43.47N	105.26W	0	3.6,3.4		
NEIC	XII	15 20 11 17.4–.45	43.64N	105.10W	0	3.5L,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.9km s-min=3.6km az=163.2.
IDC Error ellipse: s-maj=51.2km s-min=9.8km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=4.1km az=67.0. 76 km [47 miles] WSW of Newcastle. Suspected Mining explosion.

(45) California-Baja California border region

ISC	**XII**	**15 20 13 23.3–.88**	**32.77N–.02**	**115.57W–.02**	**17–2**		**100**	**0-8**
ANF	XII	15 20 13 22.6–.50	32.80N	115.54W	8	3.5L		**¶602355615**
MEX	XII	15 20 13 23.8–.67	32.95N	115.49W	10	4.1		
ISCJB	XII	15 20 13 23.7–.28	32.80N–.02	115.54W–.02	23–2	4.1		
NEIC	XII	15 20 13 24.4–.00	32.77N	115.54W	15	3.7L		
PAS	XII	15 20 13 24.4	32.77N	115.54W	15	3.7L		
SCEDC	XII	15 20 13 24.5	32.77N	115.54W	15	3.7L		
ECX	XII	15 20 13 24.8–.49	32.78N	115.56W	12	3.6L,3.4		

ISC Event type fe.
ANF Error ellipse: s-maj=4.7km s-min=2.8km az=166.0.
MEX Error ellipse: s-maj=8.7km s-min=5.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.9km az=168.0.
NEIC Event type fe. Felt [III] at El Centro, Heber and Imperial and [II] at Calexico. Also felt at Ocotillo, Palm Desert and San Diego. Felt [II] at Mexicali, Baja California. After PAS.
ECX Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.

(460) Wyoming

ISC	**XII**	**15 20 21 07.2–1.2**	**43.55N–.07**	**105.31W–.07**	**0**		**15**	**1-20**
IDC	XII	15 20 21 04.5–2.4	43.23N	105.40W	0	3.6,3.5L		**¶602391418**
ISCJB	XII	15 20 21 06.2–.63	43.54N–.06	105.36W–.08	0	3.6,3.5L		
NEIC	XII	15 20 21 07.4–.66	43.53N	105.30W	0	3.2L,3.5L		

ISC Event type sm.
IDC Error ellipse: s-maj=47.9km s-min=8.8km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=8.9km s-min=8.1km az=153.2.
NEIC Event type fm. Error ellipse: s-maj=10.6km s-min=8.3km az=159.0. 81 km [50 miles] E of Midwest. Suspected Mining explosion.

(238) Ryukyu Islands

ISC	**XII**	**15 21 02 10.2–.80**	**28.31N–.04**	**129.56E–.04**	**40–6**	**3.7b**	**50**	**0-78**
ISCJB	XII	15 21 02 10.0–.33	28.34N–.03	129.52E–.05	52–3	3.6b		**¶602391420**
JMA	XII	15 21 02 10.6–.20	28.38N	129.49E	35–2	3.8		
IDC	XII	15 21 02 13.1–1.5	28.26N	129.42E	73–14	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.2km az=31.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=11.6km az=110.0.

(227) Eastern Honshu

ISC	**XII**	**16 01 19 38.0–1.1**	**36.98N–.05**	**140.71E–.04**	**8–9**		**24**	**0-57**
IDC	XII	16 01 19 37.5–2.5	36.82N	140.74E	0	3.7,3.7b		**¶602391433**
ISCJB	XII	16 01 19 38.0–.58	37.00N–.03	140.71E–.05	11–4	3.8b,3.7b		
JMA	XII	16 01 19 38.5	37.00N	140.67E	7–1	3.4,3.7b		

ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=26.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=15.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ80.00000°,λ-91.00000°. NP2:ϕ_s66.00000°,δ10.00000°,λ-85.00000°. Principal axes: T Plg35.0000°,Azm331.0000°; N Plg1.0000°,Azm240.0000°; P Plg55.0000°,Azm149.0000°

(228) Near east coast of eastern Honshu

ISC	**XII**	**16 02 17 29.4–.76**	**35.57N–.04**	**140.17E–.04**	**68–6**	**3.7b**	**36**	**0-79**
ISCJB	XII	16 02 17 28.2–.39	35.56N–.03	140.18E–.05	74–3	3.6b		**¶602391437**
JMA	XII	16 02 17 28.6–.20	35.64N	140.18E	66–2	3.2		
IDC	XII	16 02 17 29.6–2.0	35.52N	140.13E	70–18	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=164.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s16.00000°,δ89.00000°,λ88.00000°. NP2: ϕ_s259.00000°,δ2.00000°,λ153.00000°. Principal axes: T Plg46.0000°,Azm284.0000°; N Plg2.0000°,Azm16.0000°; P Plg44.0000°,Azm108.0000°
IDC Error ellipse: s-maj=28.2km s-min=11.4km az=74.0.

(71) Near coast of Guatemala

ISC	**XII**	**16 03 06 49.4–.68**	**13.98N–.05**	**92.17W–.05**	**53–5**	**4.8b,4.2s**	**770**	**1-149**
UCR	XII	16 03 06 43.0–1.9	14.00N	92.48W	98–91	4.8b,4.5L		**¶602043786**
GCMT	XII	16 03 06 46.6–.40	13.81N–.02	92.58W–.03	22–1	5.0W,4.5L		
MEX	XII	16 03 06 46.9–.59	13.82N	92.32W	5	4.1,4.5L		
NEIC	XII	16 03 06 47.6–.17	13.89N	91.97W	35	4.8b,4.5L		
ISCJB	XII	16 03 06 49.8–.37	14.01N–.02	91.96W–.02	68–3	4.7b,4.5L		
BJI	XII	16 03 06 52.4	14.10N	91.90W	72	5.1s,4.9		
IDC	XII	16 03 06 53.7–2.1	14.08N	91.77W	84–16	4.4,4.3		

ISC Event type fe.
UCR Error ellipse: s-maj=54.5km s-min=24.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c36; s75,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.13±.19 $M_{\theta\theta}$-2.10±.12; $M_{\phi\phi}$-1.03±.12; $M_{r\theta}$1.50±.16; $M_{\theta\phi}$1.07±.07; $M_{\phi r}$-1.18±.18; Best double couple: NP1:ϕ_s125.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s299.00000°,δ29.00000°,λ85.00000°. Principal axes: T 3.6980,Plg73.0000°,Azm42.0000°; N -0.3780,Plg2.0000°,Azm304.0000°; P -3.3200,Plg16.0000°,Azm213.0000° M_o3.50900×10^{16}
MEX Error ellipse: s-maj=5.6km s-min=8.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=31.0. Felt at Tocache.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=42.6.
IDC Error ellipse: s-maj=22.4km s-min=10.7km az=53.0.

(377) Spain

ISC	**XII**	**16 04 09 03.9–1.1**	**38.07N–.02**	**3.24W–.01**	**6–9**		**214**	**0-9**
CNRM	XII	16 04 09 03.9	38.06N	3.28W	30	4.1L		**¶602043788**
IGIL	XII	16 04 09 04.5	38.06N	3.30W	0	3.3L		
INMG	XII	16 04 09 05.4–1.7	38.08N	3.28W	0	3.5L		
SFS	XII	16 04 09 05.0	38.00N	3.30W		3.3L		
LDG	XII	16 04 09 05.3–.08	38.02N	3.30W	2	3.6L		
MDD	XII	16 04 09 05.2–.15	38.05N	3.29W	2–1	3.6		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=97.0.
SFS SABIOTE. (JAEN).
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=136.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=3.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.

(70) Guatemala

ISC	**XII**	**16 10 07 11.4–.29**	**14.70N–.04**	**91.54W–.03**	**113–2**	**5.1b**	**1449**	**1-160**
UCR	XII	16 10 07 09.5–2.0	14.27N	91.80W	20–310	4.5L		**¶602043805**
MEX	XII	16 10 07 11.4–.61	14.44N	91.66W	99–7	5.4		
IDC	XII	16 10 07 11.8–.44	14.87N	91.22W	120–3	4.6,4.3		
NEIC	XII	16 10 07 12.0–.17	14.68N	91.46W	115	5.4,5.2		
ISCJB	XII	16 10 07 12.2–.21	14.71N–.02	91.42W–.02	135–2	5.1b,5.2		
MOS	XII	16 10 07 13.3–1.1	14.80N	91.38W	139	5.1b,5.2		
GCMT	XII	16 10 07 13.0–.20	14.68N–.01	91.65W–.01	102–2	5.2W,5.2		

ISC Event type fe.
NEIC Event type fe. Felt at El Palmar, Quetzaltenango, San Pedro La Laguna and Santiago Atitlan. Felt [I] at Ahuachapan, El Salvador.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c110; s104,c167;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48±.18 $M_{\theta\theta}$-0.34±.21; $M_{\phi\phi}$1.83±.21; $M_{r\theta}$6.68±.12; $M_{\theta\phi}$-4.65±.21; $M_{\phi r}$-2.77±.12; Best double couple: NP1:ϕ_s288.00000°,δ83.00000°,λ-120.00000°. NP2:ϕ_s186.00000°,δ31.00000°,λ-13.00000°. Principal axes: T 9.4920,Plg32.0000°,Azm42.0000°; N -1.7060,Plg30.0000°,Azm291.0000°; P -7.7770,Plg44.0000°,Azm168.0000° M_o8.63400×10^{16}

(122) Near coast of northern Chile

ISC	**XII**	**16 11 46 26.6–.34**	**24.81S–.03**	**70.20W–.05**	**49–2**	**4.7b**	**262**	**0-157**
MOS	XII	16 11 46 24.7–1.1	24.82S	70.21W	50	4.9b		**¶602043809**
ISCJB	XII	16 11 46 25.8–.32	24.74S–.03	70.10W–.05	59–3	4.6b,3.3s		
IDC	XII	16 11 46 26.1–.60	24.85S	70.04W	53–3	4.2,4.1		
NEIC	XII	16 11 46 27.0–.00	24.78S	70.16W	39	4.7b,4.3L		
GUC	XII	16 11 46 27.1–.49	24.78S	70.16W	39–1	4.3L,4.3L		

ISC Event type fe.
MOS Error ellipse: s-maj=14.4km s-min=8.8km az=95.3.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.2km az=168.4.
IDC Error ellipse: s-maj=19.3km s-min=16.8km az=32.0.
NEIC Event type fe. Felt at Antofagasta. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.

(460) Wyoming

ISC	**XII**	**16 19 57 51.3–.91**	**44.00N–.06**	**105.35W–.06**	**0**		**15**	**1-19**
ISCJB	XII	16 19 57 48.8–.57	43.91N–.06	105.45W–.07	0			**¶602391488**
IDC	XII	16 19 57 50.8–1.6	43.77N	105.48W	0	3.6,3.3		
NEIC	XII	16 19 57 50.9–.64	43.88N	105.41W	0	3.1L,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=9.5km s-min=6.6km az=163.0.
IDC Error ellipse: s-maj=41.8km s-min=8.1km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=10.5km s-min=7.9km az=166.0. 47 km [29 miles] SSE of Gillette. Suspected Mining explosion.

(362) Western Caucasus

MOS	**XII**	**16 22 37 37.8–.00**	**43.42N**	**39.65E**	**7–0**	**2.8**		**¶605300001**

MOS Event type se. FELT I=II MSK at Sochi.

(135) Near coast of central Chile

ISC	**XII**	**16 22 46 10.9–.37**	**33.78S–.03**	**71.49W–.05**	**45–3**	**4.7b,3.9s**	**164**	**1-176**
ISCJB	XII	16 22 46 11.0–.44	33.79S–.02	71.50W–.05	63–4	4.6b,3.9s		**¶602043833**
IDC	XII	16 22 46 10.8–.47	33.63S	71.09W	44–4	4.5L,4.3		
GUC	XII	16 22 46 11.6–.64	33.80S	71.41W	63–10	4.4L,4.3		
NEIC	XII	16 22 46 11.0–.00	33.80S	71.41W	63	4.7b,4.6W		
SJA	XII	16 22 46 28.8–1.1	33.12S	70.03W	103–9	4.7W,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=4.4.
IDC Error ellipse: s-maj=21.4km s-min=13.2km az=67.0.
GUC Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [IV] at Algarrobo, Cartagena, Casablanca, El Quisco, El Tabo, San Antonio, Santo Domingo and Vina del Mar; [III] at Melipilla, Navidad, Pichilemu, San Bernardo, Tiltil and Valparaiso; [II] at Curico, Lolol, Paredones, Parral, Quillota, Rancagua, San Clemente, San Fernando, Santiago and Villa Alemana. Also felt at Colina. After GUC. Moment Tensor Solution. s11 Moment tensor: Scale 10^{15}Nm; M_{rr}3.02 $M_{\theta\theta}$1.59 $M_{\phi\phi}$-4.61 $M_{r\theta}$1.84 $M_{\theta\phi}$0.26 $M_{\phi r}$-8.82 Best double couple: NP1:ϕ_s16.00000°,δ13.00000°,λ117.00000°. NP2:ϕ_s168.00000°,δ79.00000°,λ84.00000°. Principal axes: T 9.1000,Plg56.0000°,Azm71.0000°; N 1.5000,Plg6.0000°,Azm169.0000°; P -10.5000,Plg3.0000°,Azm26.0000° $M_9$9.90000×10^{15}
SJA Error ellipse: s-maj=11.7km s-min=16.7km az=-1.0.

(460) Wyoming

ISC	**XII**	**16 23 00 29.1–.71**	**43.65N–.02**	**105.45W–.03**	**0**		**72**	**1-20**
IDC	XII	16 23 00 33.2–1.6	43.85N	105.65W	0	3.2,3.1		**¶602391498**
NEIC	XII	16 23 00 33.8–.59	43.64N	105.17W	0	3.4L,3.1		

ISC Event type sm.
IDC Error ellipse: s-maj=32.3km s-min=10.2km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=7.8km s-min=7.4km az=192.0. 77 km [48 miles] SSE of Gillette. Suspected Mining explosion.

(256) Leyte

ISC	**XII**	**16 23 58 26.7–.63**	**11.03N–.03**	**124.59E–.03**	**13–3**	**4.4b**	**99**	**0-94**
MAN	XII	16 23 58 25.5	10.98N	124.64E	3	5.5b,4.7s		**¶602046996**
BJI	XII	16 23 58 28.0	10.67N	124.79E	65	4.9b,4.5b		
NEIC	XII	16 23 58 30.7–.89	11.09N	124.82E	46–8	4.5b,4.5b		
IDC	XII	16 23 58 34.1–3.5	11.01N	124.76E	78–35	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=4.4km az=71.0. Felt [IV PIVS] at Dulag, Ormoc and Tolosa; [III PIVS] at Palo and Tacloban; [II PIVS] at Leyte. Also felt at Naga, Cebu.
IDC Error ellipse: s-maj=30.1km s-min=13.5km az=73.0.

(221) Kuril Islands

ISC	**XII**	**17 00 28 57.3–.31**	**49.68N–.04**	**156.05E–.03**	**57–2**	**5.2b,5.0s**	**1658**	**1-158**
BJI	XII	17 00 28 50.6	49.79N	156.56E	38	5.3s,5.2		**¶602046997**
KRSC	XII	17 00 28 52.2–2.1	49.46N	156.36E	45–24	5.9L,5.2		
NEIC	XII	17 00 28 55.0–.00	49.55N	156.11E	45	5.9L,5.2		
ISCJB	XII	17 00 28 56.9–.32	49.72N–.02	156.00E–.02	67–2	5.1b,5.2		
MOS	XII	17 00 28 56.3–1.0	49.70N	155.97E	65	5.3b,5.1s		
NEIC	XII	17 00 28 58.8–.39	49.79N	155.84E	68–3	5.6W,5.6W		
GCMT	XII	17 00 28 58.8–.10	49.57N–.01	156.29E–.01	43–0	5.6W,5.6W		
IDC	XII	17 00 28 58.9–2.1	49.83N	155.82E	70–18	5.0,4.9		

ISC Event type se.
KRSC Event type se. FELT [III-IV] at Severo-Kurilsk; [II] at cape Vasilyeva, RNS Podgornay.
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}2.16 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-1.52 $M_{r\theta}$1.10 $M_{\theta\phi}$-0.83 $M_{\phi r}$1.57 Best double couple: NP1:ϕ_s34.00000°,δ66.00000°,λ92.00000°. NP2:ϕ_s209.00000°,δ24.00000°,λ85.00000°. Principal axes: T 2.9100,Plg68.0000°,Azm307.0000°; N -0.1400,Plg1.0000°,Azm212.0000°; P -2.7700,Plg21.0000°,Azm122.0000° M_o2.80000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.7km az=154.3.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.0km az=73.3. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.6km az=157.0. Moment Tensor Solution. s88 Moment tensor: Scale 10^{17}Nm; M_{rr}3.05 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.60 $M_{\theta\phi}$-1.36 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s229.00000°,δ35.00000°,λ97.00000°. NP2:ϕ_s41.00000°,δ55.00000°,λ85.00000°. Principal axes: T 3.2600,Plg79.0000°,Azm293.0000°; N -0.1800,Plg4.0000°,Azm43.0000°; P -3.0800,Plg10.0000°,Azm134.0000° M_o3.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c219; s127,c291; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.81±.04 $M_{\theta\theta}$-0.93±.03; $M_{\phi\phi}$-1.88±.03; $M_{r\theta}$0.56±.03; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$1.10±.03; Best double couple: NP1:ϕ_s32.00000°,δ57.00000°,λ87.00000°. NP2:ϕ_s218.00000°,δ33.00000°,λ95.00000°. Principal axes: T 3.0760,Plg78.0000°,Azm291.0000°; N -0.0580,Plg3.0000°,Azm34.0000°; P -3.0190,Plg12.0000°,Azm124.0000° M_o3.04700×10^{17}
IDC Error ellipse: s-maj=13.1km s-min=9.3km az=144.0.

(227) Eastern Honshu

ISC	**XII**	**17 01 31 30.0–.93**	**37.57N–.03**	**140.31E–.03**	**8–6**	**3.6b**	**23**	**0-78**
NIED	XII	17 01 31 00	37.60N	140.30E	5	3.9W		**¶602391517**
IDC	XII	17 01 31 28.9–1.1	37.48N	140.43E	0	3.9,3.5b		

IASPE XII 17 01 31 29.8–1.4 37.58N–.03 140.29E–.03 9–11 3.6b,3.5b
ISCJB XII 17 01 31 29.5–.46 37.57N–.03 140.30E–.04 11–3 3.6b,3.5b
JMA XII 17 01 31 29.8 37.58N 140.29E 8–1 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ61.00000°,λ32.00000°. NP2:ϕ_s62.00000°,δ62.00000°,λ147.00000°. $M_0$7.52000×10^{14}
IDC Error ellipse: s-maj=30.4km s-min=14.8km az=143.0.
IASPE Event type ke. Error ellipse: s-maj=4.7km s-min=4.6km az=142.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=154.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s164.00000°,δ80.00000°,λ16.00000°. NP2:ϕ_s71.00000°,δ74.00000°,λ169.00000°. Principal axes: T Plg19.0000°,Azm28.0000°; N Plg71.0000°,Azm196.0000°; P Plg4.0000°,Azm297.0000°

(221) Kuril Islands

ISC	**XII**	**17 03 19 35.6–1.9**	**43.23N–.05**	**147.03E–.05**	**8–10**	**4.0b**	**71**	**1-83**
NIED	XII	17 03 19 00	43.30N	147.10E	29	3.8W		**¶602090194**
JMA	XII	17 03 19 36.7–.30	43.20N	147.13E	31	4.2		
SKHL	XII	17 03 19 38.7–.70	43.17N	147.07E	56–5	4.4b		
MOS	XII	17 03 19 39.8–1.4	43.21N	146.78E	58	4.4b		
IDC	XII	17 03 19 41.8–3.4	43.18N	146.84E	52–31	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ33.00000°,λ110.00000°. NP2:ϕ_s32.00000°,δ59.00000°,λ77.00000°. $M_0$5.56000×10^{14}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=12.3km s-min=8.7km az=89.3.
IDC Error ellipse: s-maj=22.7km s-min=17.8km az=117.0.

(377) Spain

ISC	**XII**	**17 05 34 06.2–1.1**	**38.08N–.02**	**3.26W–.02**	**4–9**		**215**	**0-66**
IGIL	XII	17 05 34 06.7	38.04N	3.30W	4	3.5L		**¶602043838**
IDC	XII	17 05 34 06.7–1.4	38.01N	3.26W	0	3.5,3.4		
MDD	XII	17 05 34 07.7–.15	38.05N	3.28W	2–1	3.6,3.4		
INMG	XII	17 05 34 07.3–1.5	38.08N	3.31W	0	3.5L,3.4		
SFS	XII	17 05 34 07.0	38.00N	3.20W	4	3.3L,3.4		
LDG	XII	17 05 34 07.7–.07	38.01N	3.29W	2	3.8L,3.4		
CNRM	XII	17 05 34 17.6	37.59N	3.39W	21	3.6L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=13.1km az=76.0.
MDD Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=10.0. EMS: V INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=45.0.
SFS TORRPEROGIL. (JAEN).
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=140.0.

(377) Spain

ISC	**XII**	**17 06 00 28.5–1.1**	**38.08N–.02**	**3.29W–.02**	**10–9**		**167**	**0-6**
IGIL	XII	17 06 00 29.7	38.06N	3.29W	4	2.9L		**¶602043839**
ISCJB	XII	17 06 00 29.9–.58	38.08N–.03	3.29W–.02	22–6	2.9L		
SFS	XII	17 06 00 30.0	38.00N	3.20W	4	2.9L		
LDG	XII	17 06 00 30.0–.06	38.04N	3.29W	2	3.2L		
INMG	XII	17 06 00 30.2–1.7	38.07N	3.29W	5–3	3.1L		
MDD	XII	17 06 00 30.1–.17	38.06N	3.29W	3–1	3.2		
CNRM	XII	17 06 00 31.2	37.99N	3.18W	16	3.8L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=171.9.
SFS SABIOTE. (JAEN).
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=149.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=66.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=8.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 06 16 49.4–2.0**	**38.30N–.04**	**142.13E–.06**	**13–12**	**3.4b**	**37**	**1-89**
NIED	XII	17 06 16 00	38.40N	142.20E	32	3.7W		**¶602391524**
IDC	XII	17 06 16 47.7–.73	38.25N	142.42E	0	3.8,3.7		
ISCJB	XII	17 06 16 49.1–1.1	38.34N–.04	142.22E–.06	20–7	3.6b,3.7		
JMA	XII	17 06 16 50.8–.10	38.41N	142.16E	31–1	3.6,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ53.00000°,λ-144.00000°. NP2:ϕ_s183.00000°,δ62.00000°,λ-43.00000°. $M_0$3.90000×10^{14}
IDC Error ellipse: s-maj=24.4km s-min=16.3km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=15.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(224) Hokkaido region

ISC	**XII**	**17 06 30 29.5–.61**	**45.08N–.07**	**141.87E–.05**	**35**	**3.6b**	**26**	**0-85**
NIED	XII	17 06 30 00	45.00N	141.80E	17	3.9W		**¶602391525**
IDC	XII	17 06 30 24.7–.58	45.19N	142.02E	0	3.8,3.7		
ISCJB	XII	17 06 30 28.0–.43	45.16N–.07	141.86E–.06	33	3.5b,3.1s		
JMA	XII	17 06 30 29.3–.10	45.05N	141.83E	29–2	3.7,3.1s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ41.00000°,λ116.00000°. NP2:ϕ_s177.00000°,δ54.00000°,λ69.00000°. $M_0$7.32000×10^{14}
IDC Error ellipse: s-maj=14.4km s-min=9.9km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.7km az=13.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 08 01 17.2–.94**	**35.79N–.03**	**140.82E–.06**	**11–6**	**3.5b**	**27**	**0-65**
NIED	XII	17 08 01 00	35.80N	141.00E	8	3.6W		**¶602391528**
ISCJB	XII	17 08 01 16.9–.77	35.83N–.02	140.89E–.05	13–3	3.4b		
JMA	XII	17 08 01 17.0–.10	35.81N	140.89E	10–1	3.6		
IDC	XII	17 08 01 17.9–1.4	36.14N	140.77E	0	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ34.00000°,λ-58.00000°. NP2:ϕ_s159.00000°,δ62.00000°,λ-110.00000°. $M_0$3.00000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=177.0.
JMA Event type fe.
IDC Error ellipse: s-maj=34.5km s-min=24.1km az=170.0.

(377) Spain

ISC	**XII**	**17 08 11 38.6–1.0**	**38.06N–.02**	**3.30W–.02**	**9–9**		**91**	**0-5**
MDD	XII	17 08 11 39.5–.23	38.06N	3.29W	3–1	3.1		**¶602043843**
IGIL	XII	17 08 11 39.3	37.99N	3.29W	5	3.0L		
INMG	XII	17 08 11 39.7–1.5	38.05N	3.28W	8–3	3.0L		
SFS	XII	17 08 11 39.0	38.05N	3.29W		2.9L		
CNRM	XII	17 08 11 40.6	37.78N	3.06W	0	3.7L		

ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=13.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=40.0.
SFS SABIOTE. (JAEN).

(140) San Luis Province

ISC	**XII**	**17 08 38 25.0–.79**	**32.39S–.04**	**65.22W–.04**	**16–5**		**56**	**0-151**
IDC	XII	17 08 38 19.9–.99	31.46S	66.32W	0	4.0L,3.9		**¶602391507**
ISCJB	XII	17 08 38 24.3–.96	32.29S–.04	65.09W–.05	23–10	4.0L,3.9		
SJA	XII	17 08 38 24.9–.70	32.35S	65.29W	20–3	4.1W,3.7L		
NEIC	XII	17 08 38 25.0–.00	32.34S	65.29W	20	4.4b,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=42.2km s-min=22.5km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=6.2km az=156.2.
SJA Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt [III] in the Merlo area. After SJA.

(265) Minahassa Peninsula, Sulawesi

ISC	**XII**	**17 09 16 31.3–.36**	**0.69S–.03**	**123.88E–.03**	**46–2**	**5.8b,5.6s**	**1736**	**1-176**
BJI	XII	17 09 16 26.1	0.70S	123.80E	15	5.9b,5.8s		**¶602043844**
IDC	XII	17 09 16 28.5–1.3	0.56S	123.77E	27–7	5.4s,5.4		
NEIC	XII	17 09 16 28.0–.00	0.81S	123.94E	30	5.4s,5.4		
MOS	XII	17 09 16 29.1–1.3	0.51S	123.80E	39	5.8b,5.4s		
NEIC	XII	17 09 16 30.9–.36	0.65S	123.81E	44–3	6.4,6.1W		
GCMT	XII	17 09 16 31.9–.10	0.69S	123.93E	37–0	6.1W,6.1W		
ISCJB	XII	17 09 16 31.3–.27	0.72S–.01	123.86E–.01	63–2	5.7b,6.1W		
DJA	XII	17 09 16 33.4–.20	1S–2.0	124E–1.0	45–2	6.4,6.4b		
KLM	XII	17 09 16 35.0	0.77S	123.91E	65	6.1b,6.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.9km s-min=8.2km az=58.0.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-1.30 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.35 $M_{\phi r}$0.75 Best double couple: NP1:ϕ_s125.00000°,δ73.00000°,λ-21.00000°. NP2:ϕ_s221.00000°,δ69.00000°,λ-161.00000°. Principal axes: T 1.6100,Plg2.0000°,Azm173.0000°; N 0.1200,Plg62.0000°,Azm267.0000°; P -1.7300,Plg27.0000°,Azm82.0000° $M_0$1.70000×10^{18}
MOS Error ellipse: s-maj=5.8km s-min=4.3km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=55.0. Felt [IV] in the Kepulauan Banggai and [II] at Tolitoli. Energy computed from BB mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.83 $M_{\phi r}$0.73 Best double couple: NP1:ϕ_s214.00000°,δ79.00000°,λ-162.00000°. NP2:ϕ_s120.00000°,δ73.00000°,λ-12.00000°. Principal axes: T 2.0100,Plg4.0000°,Azm346.0000°; N 0.0900,Plg69.0000°,Azm245.0000°; P -2.1000,Plg20.0000°,Azm78.0000° $M_0$2.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s115.00000°,δ65.00000°,λ-11.00000°. NP2:ϕ_s210.00000°,δ80.00000°,λ-155.00000°. Principal axes: T Plg10.0000°,Azm341.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm75.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c325; s147,c508; Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$1.51±.01; $M_{\phi\phi}$-1.40±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.23±.01; $M_{\phi r}$1.14±.02; Best double couple: NP1:ϕ_s224.00000°,δ74.00000°,λ-154.00000°. NP2:ϕ_s126.00000°,δ65.00000°,λ-18.00000°. Principal axes: T 1.5400,Plg6.0000°,Azm353.0000°; N 0.5350,Plg59.0000°,Azm254.0000°; P -2.0730,Plg30.0000°,Azm87.0000° $M_0$1.80600×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.3km az=157.8.

(227) Eastern Honshu

ISC	**XII**	**17 09 48 02.0–1.3**	**36.88N–.04**	**139.44E–.04**	**0–9**	**3.6b**	**24**	**0-91**
ISCJB	XII	17 09 48 01.2–.60	36.89N–.04	139.45E–.05	8–4	3.7b		**¶602046718**
IDC	XII	17 09 48 01.6–.81	36.80N	139.47E	0	3.9,3.7		
JMA	XII	17 09 48 01.4	36.90N	139.44E	3	3.7,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=39.2.
IDC Error ellipse: s-maj=19.8km s-min=10.8km az=153.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s356.00000°,δ83.00000°,λ20.00000°. NP2:ϕ_s263.00000°,δ70.00000°,λ173.00000°. Principal axes: T Plg19.0000°,Azm221.0000°; N Plg69.0000°,Azm14.0000°; P Plg9.0000°,Azm128.0000°

(116) Central Peru

ISC	**XII**	**17 13 22 14.2–.52**	**8.19S–.06**	**76.18W–.09**	**35**	**4.2b**	**49**	**4-139**
ISCJB	XII	17 13 22 12.2–.38	8.18S–.04	76.21W–.07	33	4.2b,3.2s		**¶602216201**
IDC	XII	17 13 22 15.8–3.0	8.24S	76.28W	56–31	4.1,4.0		
NEIC	XII	17 13 22 15.5–.76	8.26S	76.26W	55–8	4.3L,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=4.8km az=169.8.
IDC Error ellipse: s-maj=22.0km s-min=18.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=6.4km az=55.0. Felt [III] at Uchiza.

(377) Spain

ISC	**XII**	**17 13 34 56.9–1.0**	**38.11N–.02**	**3.27W–.01**	**10–9**		**155**	**0-6**
IGIL	XII	17 13 34 56.4	38.06N	3.29W	4	2.9L		**¶602046721**
INMG	XII	17 13 34 57.6–1.5	38.06N	3.28W	5–2	3.0L		
MDD	XII	17 13 34 57.4–.17	38.06N	3.30W	4–1	2.9		
SFS	XII	17 13 34 57.0	38.00N	3.20W		2.9L		
CNRM	XII	17 13 34 58.4	37.80N	3.06W	0	3.7L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=91.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=25.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 18 46 10.5–2.2**	**36.88N–.03**	**141.25E–.04**	**15–14**	**4.8b**	**341**	**0-152**
NIED	XII	17 18 46 00	36.90N	141.30E	5	4.7W		**¶602046730**
BJI	XII	17 18 46 07.8	36.33N	141.25E	22	5.0s,4.9		
IDC	XII	17 18 46 08.5–.44	36.86N	141.13E	0	4.7,4.6		
JMA	XII	17 18 46 09.7–.10	36.85N	141.35E	29–1	4.9,4.6		
ISCJB	XII	17 18 46 10.5–.59	36.84N–.02	141.28E–.03	25–3	4.8b,4.1s		
MOS	XII	17 18 46 12.1–1.1	36.92N	141.14E	33	5.0b,4.1s		
NEIC	XII	17 18 46 12.7–1.3	36.84N	141.18E	27–9	4.9b,4.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ48.00000°,λ-61.00000°. NP2:ϕ_s181.00000°,δ49.00000°,λ-118.00000°. $M_0$1.09000×10^{16}
IDC Error ellipse: s-maj=13.5km s-min=10.3km az=99.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.4km az=25.5.
MOS Error ellipse: s-maj=8.1km s-min=5.3km az=117.1.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=133.0. Recorded [2 JMA] in Fukushima and Miyagi.

(456) Montana

ISC	**XII**	**17 19 16 56.5–1.0**	**45.01N–.10**	**106.82W–.08**	**0**		**8**	**2-9**
NEIC	XII	17 19 16 59.0–.63	45.25N	106.91W	0	2.5L		**¶602391565**
IDC	XII	17 19 16 58.8–1.2	44.71N	106.50W	0	3.6,3.4		

ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=10.8km s-min=8.3km az=146.0. 50 km [31 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=65.0km s-min=8.5km az=139.0.

(377) Spain

ISC	**XII**	**17 19 26 12.5–.71**	**38.05N–.02**	**3.24W–.02**	**13**		**124**	**0-6**
ISCJB	XII	17 19 26 10.8–.26	38.14N–.02	3.35W–.02	13			**¶602215809**
CNRM	XII	17 19 26 12.3	37.98N	3.29W	0	3.5L		
IGIL	XII	17 19 26 12.6	38.06N	3.29W	0	2.9L		
LDG	XII	17 19 26 13.5–.11	38.02N	3.28W	2	2.6L		
MDD	XII	17 19 26 13.5–.21	38.05N	3.28W	3–1	2.8		
SFS	XII	17 19 26 13.0	38.06N	3.27W		2.4L		
INMG	XII	17 19 26 13.6–1.6	38.07N	3.27W	3–3	2.8L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=7.2.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=142.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=2.0km az=18.0. EMS: III-IV INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=70.0.

(377) Spain

ISC	**XII**	**17 20 38 56.3–.72**	**38.05N–.02**	**3.28W–.02**	**11**		**122**	**0-6**
ISCJB	XII	17 20 38 54.7–.26	38.15N–.02	3.34W–.02	11			**¶602046732**
IGIL	XII	17 20 38 56.6	38.09N	3.28W	2	2.7L		
INMG	XII	17 20 38 57.5–1.4	38.07N	3.28W	5–2	2.8L		
LDG	XII	17 20 38 57.5–.15	38.04N	3.28W	2	2.7L		
MDD	XII	17 20 38 57.7–.21	38.07N	3.28W	4–1	2.8		
SFS	XII	17 20 38 57.0	38.09N	3.27W		2.5L		
CNRM	XII	17 20 38 57.5	38.03N	3.32W	0	3.5L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=179.7.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=106.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=133.0.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=18.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).

(279) Flores Sea

ISC	**XII**	**17 21 02 35.1–.65**	**6.11S–.06**	**120.73E–.06**	**35**	**3.7b**	**33**	**0-67**
IDC	XII	17 21 02 29.7–.97	6.27S	120.42E	0	3.8,3.7L		**¶602047003**
ISCJB	XII	17 21 02 33.6–.44	6.18S–.04	120.65E–.06	33	3.7b,3.5s		
NEIC	XII	17 21 02 35.8–.86	6.23S	120.67E	46–10	4.0b,3.5s		
DJA	XII	17 21 02 36.0–.80	6S–3.0	121E–3.0	27–11	5.2b,4.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] on Pulau Selayar, Indonesia.

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 21 11 20.0–1.3**	**40.15N–.03**	**141.83E–.05**	**1–9**	**3.5b**	**28**	**0-64**
NIED	XII	17 21 11 00	40.10N	141.80E	5	3.5W		**¶602391571**
ISCJB	XII	17 21 11 19.6–.60	40.13N–.02	141.81E–.06	10–3	3.5b		
JMA	XII	17 21 11 20.0	40.13N	141.79E	6–1	3.5		

IDC XII 17 21 11 25.5–2.2 40.14N 142.01E 54–18 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ26.00000°,λ-123.00000°. NP2:ϕ_s266.00000°,δ68.00000°,λ-75.00000°. $M_0$2.26000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=168.0.
JMA Event type fe.
IDC Error ellipse: s-maj=28.3km s-min=10.9km az=105.0.

(378) Pyrenees

ISC	**XII**	**17 22 50 48.4–.61**	**43.17N–.01**	**0.21W–.01**	**11**		**480**	**0-9**
ISCJB	XII	17 22 50 47.4–.13	43.288N–.01	0.23W–.01	11			**¶602046733**
LDG	XII	17 22 50 50.5–.05	43.11N	0.21W	10	3.4,3.4L		
MDD	XII	17 22 50 50.6–.19	43.15N	0.19W	9–1	3.5,3.4L		
MRB	XII	17 22 50 50.8–.50	43.09N	0.22W	12–2	3.3L,3.4L		
STR	XII	17 22 50 51.2–.20	43N–2.0	0.2W–1.0	2	3.2,3.2		
INMG	XII	17 22 50 51.6–1.4	43.02N	0.27W	0	2.8L,3.2		
SFS	XII	17 22 50 51.0	43.02N	0.24W		3.5L,3.2		
IGIL	XII	17 22 50 52.8	43.03N	0.25W	0	3.5L,3.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=138.4.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=123.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=170.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
MRB Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=200.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=22.0.
SFS LARUNS. (FRANCIA).

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 23 11 14.6–1.3**	**35.83N–.04**	**140.93E–.08**	**16–6**		**22**	**0-56**
ISCJB	XII	17 23 11 12.9–1.2	35.84N–.04	141.08E–.07	12–5	3.2b		**¶602391576**
IDC	XII	17 23 11 12.7–3.6	35.62N	140.89E	0	3.4,3.2		
JMA	XII	17 23 11 14.5–.20	35.83N	140.97E	15–1	3.5,3.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=6.0km az=176.4.
IDC Error ellipse: s-maj=99.8km s-min=29.4km az=48.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(377) Spain

ISC	**XII**	**17 23 33 06.2–1.0**	**38.06N–.02**	**3.29W–.02**	**9–9**		**117**	**0-5**
CNRM	XII	17 23 33 05.4	38.00N	3.31W	0	3.5L		**¶602732617**
MDD	XII	17 23 33 06.9–.20	38.07N	3.29W	2–2	2.8		
SFS	XII	17 23 33 06.0	38.08N	3.28W		2.8L		
INMG	XII	17 23 33 06.9–1.4	38.08N	3.28W	3–2	2.7L		

ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=171.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=67.0.

(377) Spain

ISC	**XII**	**17 23 36 15.8–1.0**	**38.09N–.02**	**3.27W–.02**	**12–9**		**126**	**0-6**
CNRM	XII	17 23 36 13.7	37.68N	3.17W	30	3.7L		**¶602046735**
SFS	XII	17 23 36 17.0	38.06N	3.29W		2.9L		
MDD	XII	17 23 36 17.0–.18	38.06N	3.29W	2–2	2.9		
LDG	XII	17 23 36 17.0–.08	38.04N	3.29W	2	2.8L		
INMG	XII	17 23 36 17.0–1.4	38.09N	3.29W	0	2.9L		

ISC Event type ke.
SFS SABIOTE. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=14.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=130.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=56.0.

(377) Spain

ISC	**XII**	**17 23 47 03.9–.71**	**38.05N–.02**	**3.26W–.02**	**11**		**134**	**0-6**
ISCJB	XII	17 23 47 02.4–.26	38.11N–.02	3.40W–.02	11			**¶604069830**
IGIL	XII	17 23 47 03.9	38.06N	3.27W	0	2.8L		
LDG	XII	17 23 47 04.3–.10	38.02N	3.28W	2	2.8L		
INMG	XII	17 23 47 04.1–1.4	38.07N	3.28W	0	2.9L		
SFS	XII	17 23 47 04.0	38.05N	3.27W		2.9L		
MDD	XII	17 23 47 04.3–.18	38.05N	3.27W	1–1	3.0		
CNRM	XII	17 23 47 05.7	37.78N	3.20W	0	3.7L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=2.6.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=112.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=74.0.
SFS TORREPEROGIL. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=18.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.

(135) Near coast of central Chile

ISC	**XII**	**18 00 45 01.3–1.1**	**33.82S–.04**	**71.48W–.06**	**43–12**		**51**	**1-156**
IDC	XII	18 00 44 55.2–1.2	33.73S	71.44W	0	3.7,3.6L		**¶602216203**
SJA	XII	18 00 45 00.4–.87	33.87S	71.31W	9–11	3.8L,3.7W		
ISCJB	XII	18 00 45 01.8–.53	33.85S–.04	71.44W–.07	56–7	3.5b,3.7W		
GUC	XII	18 00 45 03.3–.63	33.65S	71.19W	66–14	3.9L,3.7W		
NEIC	XII	18 00 45 03.0–.00	33.65S	71.19W	66	3.9L,3.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=45.8km s-min=31.4km az=93.0.
SJA Error ellipse: s-maj=4.2km s-min=12.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.1km az=21.8.
GUC Error ellipse: s-maj=6.7km s-min=8.2km az=-1.0.
NEIC Event type fe. Felt [III] at Curacavi, El Quisco, Maria Pinto, Melipilla, San Pedro, Santo Domingo and Tiltil; [II] at Algarrobo, Salamanca, San Antonio and Valparaiso. Also felt at Santiago. After GUC.

(60) Oaxaca

ISC	**XII**	**18 01 38 22.8–.32**	**16.13N–.03**	**95.74W–.03**	**31**	**4.8b,4.5s**	**701**	**1-146**
UCR	XII	18 01 38 17.0–1.3	16.51N	95.88W	4–138	4.8b,4.3L		**¶602046742**
IDC	XII	18 01 38 17.6–.61	16.14N	95.67W	0	4.5,4.5		
MOS	XII	18 01 38 22.1–1.3	16.23N	95.51W	33	4.9b,4.5		
ISCJB	XII	18 01 38 23.2–.22	16.48N–.02	95.45W–.02	31	4.7b,4.5s		
MEX	XII	18 01 38 23.0–1.1	16.03N	95.72W	44–17	5.3,4.5s		
NEIC	XII	18 01 38 23.0–.00	16.03N	95.72W	42	5.3,4.8b		
GCMT	XII	18 01 38 25.0–.20	16.31N–.01	95.70W–.02	26–0	5.3W,4.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Huatulco. Also felt at Acatzingo, Ixtac Zoquitlan, Mazatlan de Flores, Oaxaca, Ocotlan, San Miguel del Puerto, Santa Ana del Valle, Santa Maria Huatulco, Lachiguiri and Tehuantepec. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c96; s96,c158;Duration: 1^{s}1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$0.48±.01; $M_{r\theta}$0.83±.05; $M_{\theta\phi}$-0.37±.01; $M_{\phi r}$-0.32±.03; Best double couple: NP1:ϕ_s297.00000°,δ83.00000°,λ-120.00000°. NP2:ϕ_s195.00000°,δ31.00000°,λ-14.00000°. Principal axes:
T 1.0230,Plg32.0000°,Azm52.0000°; N 0.0460,Plg30.0000°,Azm301.0000°; P -1.0700,Plg44.0000°,Azm178.0000° $M_0$1.04700×10^{17}

(60) Oaxaca

ISC	**XII**	**18 01 47 10.6–.46**	**16.11N–.05**	**95.69W–.04**	**31**	**4.4b**	**218**	**1-132**
ISCJB	XII	18 01 47 09.3–.34	16.14N–.04	95.63W–.03	31	4.3b		**¶602391583**
MEX	XII	18 01 47 11.5–.96	16.05N	95.72W	9–36	4.3		
NEIC	XII	18 01 47 12.6–.00	16.08N	95.81W	10	4.4b,4.3		
IDC	XII	18 01 47 12.8–2.8	16.15N	95.66W	50–23	4.1,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=6.7.
MEX Error ellipse: s-maj=32.2km s-min=28.0km az=-1.0.
NEIC Event type fe. Felt at Huatulco. After MEX.
IDC Error ellipse: s-maj=22.8km s-min=11.5km az=55.0.

(377) Spain

ISC	**XII**	**18 02 44 58.2–1.1**	**38.08N–.02**	**3.25W–.01**	**12–9**		**166**	**0-6**
CNRM	XII	18 02 44 56.1	37.53N	3.00W	30	3.5L		**¶602046743**
IGIL	XII	18 02 44 59.8	38.08N	3.28W	1	2.6L		
INMG	XII	18 02 45 00.6–1.6	38.09N	3.27W	3–2	2.8L		
SFS	XII	18 02 45 00.0	38.08N	2.78W		2.6L		
MDD	XII	18 02 45 00.6–.20	38.07N	3.28W	2–2	2.8		
LDG	XII	18 02 45 00.5–.10	38.08N	3.26W	2	2.8L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=54.0.
SFS SABIOTE. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=2.0km az=163.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=149.0.

(377) Spain

ISC	**XII**	**18 03 20 38.6–.72**	**38.10N–.02**	**3.28W–.02**	**11**		**146**	**0-6**
ISCJB	XII	18 03 20 37.5–.24	38.18N–.02	3.35W–.02	11			**¶602047008**
IGIL	XII	18 03 20 38.6	38.07N	3.28W	0	2.8L		
LDG	XII	18 03 20 39.9–.06	38.06N	3.28W	2	2.8L		
SFS	XII	18 03 20 39.0	38.07N	3.27W		2.7L		
INMG	XII	18 03 20 40.1–1.4	38.08N	3.27W	0	2.9L		
MDD	XII	18 03 20 40.0–.20	38.06N	3.27W	2–2	2.9		
CNRM	XII	18 03 20 41.5	37.95N	3.07W	30	3.5L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=8.4.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=126.0.
SFS SABIOTE. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=54.0.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=5.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.

(377) Spain

ISC	**XII**	**18 03 45 21.9–.78**	**38.04N–.03**	**3.29W–.02**	**11**		**63**	**0-5**
CNRM	XII	18 03 45 18.3	37.38N	2.96W	30	3.3L		**¶602732618**
ISCJB	XII	18 03 45 19.8–.36	38.11N–.03	3.36W–.03	11	3.3L		
INMG	XII	18 03 45 21.8–1.2	38.07N	3.28W	0	2.4L		
MDD	XII	18 03 45 21.6–.24	38.05N	3.29W	2–1	2.3		
SFS	XII	18 03 45 21.0	38.06N	3.27W		2.3L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=18.4.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=67.0.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=31.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).

(377) Spain

ISC	**XII**	**18 03 45 29.3–1.1**	**38.04N–.04**	**3.33W–.05**	**11**		**12**	**0-2**
ISCJB	XII	18 03 45 27.2–.68	38.09N–.05	3.23W–.06	11			**¶604069850**
MDD	XII	18 03 45 29.0–.38	38.07N	3.27W	0	2.4		
SFS	XII	18 03 45 29.0	38.07N	3.26W		2.4L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=7.1km az=14.2.
MDD Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=141.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).

(279) Flores Sea

ISC	**XII**	**18 08 27 05.5–.29**	**6.28S–.04**	**120.74E–.05**	**35**	**4.9b,3.8s**	**204**	**0-156**
IDC	XII	18 08 27 00.3–.51	6.19S	120.69E	0	4.5,4.5		**¶602046754**
ISCJB	XII	18 08 27 03.8–.17	6.25S–.02	120.72E–.02	33	4.7b,3.9s		
MOS	XII	18 08 27 03.3–1.3	6.15S	120.75E	33	4.7b,3.9s		
BJI	XII	18 08 27 04.1	6.34S	121.11E	47	5.0b,4.8b		
DJA	XII	18 08 27 05.5–.50	6S–2.0	121E–2.0	22–4	5.4b,5.2b		
NEIC	XII	18 08 27 07.0–.52	6.25S	120.71E	52–5	4.8b,5.2b		
KLM	XII	18 08 27 07.0	6.28S	120.84E	46	5.0b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=39.7.
MOS Error ellipse: s-maj=11.2km s-min=7.2km az=123.6.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=221.0. Felt [III] on Pulau Selayar, Indonesia.

(227) Eastern Honshu

ISC	**XII**	**18 10 25 48.7–.58**	**38.37N–.04**	**141.80E–.04**	**46–4**	**4.6b,3.8s**	**245**	**0-146**
NIED	XII	18 10 25 00	38.30N	141.90E	50	4.6W,3.8s		**¶602046755**
ISCJB	XII	18 10 25 47.4–.40	38.27N–.02	141.89E–.04	53–3	4.5b,3.7s		
MOS	XII	18 10 25 48.6–.83	38.53N	141.71E	47	4.9b,3.7s		
JMA	XII	18 10 25 48.4–.10	38.30N	141.89E	46–1	4.5,3.7s		
NEIC	XII	18 10 25 48.5–.91	38.60N	140.51E	74–9	4.4b,3.7s		
IDC	XII	18 10 25 50.0–1.6	38.33N	141.89E	58–13	4.4,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ21.00000°,λ94.00000°. NP2:ϕ_s23.00000°,δ69.00000°,λ88.00000°. $M_0$7.60000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.5km az=31.0.
MOS Error ellipse: s-maj=8.5km s-min=5.5km az=99.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.1km az=130.0. Recorded [3 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.9km s-min=8.7km az=122.0.

(277) Jawa

ISC	**XII**	**18 10 49 41.2–.32**	**9.30S–.04**	**110.99E–.04**	**22–1**	**4.8b,3.5s**	**408**	**1-153**
MOS	XII	18 10 49 42.5–1.2	8.83S	111.44E	33	5.0b,3.5s		**¶602047014**
NEIC	XII	18 10 49 43.1–.28	8.99S	111.44E	28	4.5b,3.5s		
IDC	XII	18 10 49 44.1–.42	8.79S	111.33E	26–2	4.4,4.4L		
KLM	XII	18 10 49 45.0	9.28S	111.18E	4	4.8b,4.4L		
ISCJB	XII	18 10 49 46.5–.45	9.09S–.04	111.29E–.03	76–3	4.5b,4.4L		
DJA	XII	18 10 49 46.9–.70	9S–2.0	111E–2.0	21–7	5.3b,5.2		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Karangkates and [II] at Yogyakarta.
ISCJB Event type fe.

(76) Off coast of central America

ISC	**XII**	**18 18 13 49.8–.81**	**12.85N–.05**	**88.85W–.04**	**59–7**	**4.6b,3.5s**	**293**	**1-148**
ISCJB	XII	18 18 13 48.9–.34	12.86N–.03	88.86W–.02	61–2	4.5b,3.5s		**¶602047029**
SNET	XII	18 18 13 49.0–.00	12.87N	88.90W	36	4.5b,3.5s		
UCR	XII	18 18 13 49.8–1.6	12.89N	88.88W	41–22	4.7L,4.6b		
NEIC	XII	18 18 13 51.1–.50	12.85N	88.71W	72–4	5.0,4.6b		
IDC	XII	18 18 13 51.4–1.2	13.09N	88.56W	68–11	4.3,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=2.5km az=36.3.
SNET Event type se.
UCR Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=216.0. Felt [III] at San Salvador.
IDC Error ellipse: s-maj=26.3km s-min=8.0km az=45.0.

(229) Off east coast of Honshu

ISC	**XII**	**18 18 36 23.0–.55**	**36.67N–.03**	**142.03E–.03**	**25–3**	**5.1b,4.6s**	**613**	**1-152**
NIED	XII	18 18 36 00	36.70N	142.10E	23	4.9W,4.6s		**¶602047031**
IDC	XII	18 18 36 19.2–.56	36.67N	142.03E	0	4.7,4.6		
BJI	XII	18 18 36 20.5	36.72N	141.95E	23	5.2b,5.0b		
JMA	XII	18 18 36 21.5–.20	36.70N	142.10E	35	5.1,5.0b		
ISCJB	XII	18 18 36 21.9–.72	36.65N–.02	142.00E–.02	27–5	5.0b,4.5s		
MOS	XII	18 18 36 23.0–1.1	36.74N	141.98E	33	5.2b,4.8s		
NEIC	XII	18 18 36 24.3–1.4	36.66N	141.92E	32–9	5.1b,4.8s		
GCMT	XII	18 18 36 26.3–.40	36.64N–.02	142.13E–.04	29–1	5.0W,4.8s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ23.00000°,λ106.00000°. NP2:ϕ_s17.00000°,δ68.00000°,λ83.00000°. $M_0$2.83000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Mito. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c34; s69,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.17 $M_{\theta\theta}$-0.45±.10; $M_{\phi\phi}$-1.81±.11; $M_{r\theta}$0.94±.16; $M_{\theta\phi}$-0.98±.06; $M_{\phi r}$2.62±.18; Best double couple: NP1:ϕ_s22.00000°,δ70.00000°,λ86.00000°. NP2:ϕ_s214.00000°,δ20.00000°,λ102.00000°. Principal axes: T 3.5880,Plg64.0000°,Azm285.0000°; N 0.0360,Plg4.0000°,Azm23.0000°; P -3.6210,Plg25.0000°,Azm115.0000° $M_0$3.60500×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**18 20 31 38.9–.77**	**35.67N–.04**	**140.68E–.06**	**52–6**	**3.8b**	**35**	**0-148**
NIED	XII	18 20 31 00	35.70N	140.70E	50	4.0W		**¶602090200**
ISCJB	XII	18 20 31 37.5–.47	35.66N–.04	140.72E–.06	58–3	3.7b,3.4s		
JMA	XII	18 20 31 38.4–.10	35.70N	140.63E	50–2	3.6,3.4s		
IDC	XII	18 20 31 40.7–2.1	35.55N	140.50E	70–18	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ13.00000°,λ114.00000°. NP2:ϕ_s7.00000°,δ78.00000°,λ85.00000°. $M_0$1.18000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.9km az=162.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s9.00000°,δ83.00000°,λ90.00000°. NP2: ϕ_s189.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm279.0000° ; N Plg0.0000°,Azm9.0000°; P Plg38.0000°,Azm99.0000°
IDC Error ellipse: s-maj=25.0km s-min=7.7km az=68.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**18 21 47 45.3–.78**	**39.71N–.03**	**142.28E–.07**	**21–4**	**3.7b**	**35**	**0-67**	
NIED	XII	18 21 47 00	39.80N	142.30E	23	3.7W			**¶602391630**
JMA	XII	18 21 47 46.6	39.76N	142.29E	33–1	3.8			
IDC	XII	18 21 47 50.1–2.3	39.83N	142.25E	61–20	3.7,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ32.00000°,λ-124.00000°. NP2:ϕ_s79.00000°,δ64.00000°,λ-71.00000°. $M_0$3.94000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=12.1km az=115.0.

(186) Vanuatu Islands

ISC	**XII**	**18 23 56 57.6–.32**	**18.04S–.05**	**168.42E–.07**	**150**	**4.8b**	**286**	**4-167**	
BJI	XII	18 23 56 52.4	17.95S	169.19E	140	5.1b,4.9b			**¶602051535**
GCMT	XII	18 23 56 55.7–.30	17.93S–.03	168.33E–.03	147–3	4.9W,4.9b			
IDC	XII	18 23 56 56.9–1.3	17.96S	168.35E	141–11	4.8,4.5			
ISCJB	XII	18 23 56 56.6–.18	17.99S–.04	168.36E–.04	150	4.7b,4.5			
NEIC	XII	18 23 56 57.7–.97	17.93S	168.39E	149–8	4.9b,4.5			
MOS	XII	18 23 56 57.8–1.2	17.91S	168.34E	162	4.7b,4.5			

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s74,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.49±.12 $M_{\theta\theta}$-1.34±.15; $M_{\phi\phi}$-1.15±.16; $M_{r\theta}$-0.22±.11; $M_{\theta\phi}$1.74±.14; $M_{\theta r}$-1.50±.11; Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ118.00000°. NP2:ϕ_s291.00000°,δ41.00000°,λ52.00000°. Principal axes: T 3.1870,Plg64.0000° ,Azm117.0000°; N -0.0540,Plg24.0000°,Azm321.0000°; P -3.1330,Plg9.0000° ,Azm227.0000° $M_0$3.16000×10^{16}
IDC Error ellipse: s-maj=11.2km s-min=9.7km az=128.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.5km az=138.4.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=5.0km az=159.0. Felt at Port-Vila.
MOS Error ellipse: s-maj=26.5km s-min=11.7km az=122.2.

(236) Shikoku

ISC	**XII**	**18 23 57 37.8–1.0**	**33.97N–.05**	**134.46E–.03**	**43–8**	**3.1b**	**24**	**0-41**	
NIED	XII	18 23 57 00	34.00N	134.50E	35	3.6W			**¶602391633**
ISCJB	XII	18 23 57 37.5–.54	33.97N–.05	134.46E–.04	46–5	3.1b			
JMA	XII	18 23 57 38.4	33.97N	134.47E	39–1	3.5			
IDC	XII	18 23 57 42.5–11	35.51N	134.12E	0	3.3,3.3L			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ53.00000°,λ26.00000°. NP2:ϕ_s331.00000°,δ69.00000°,λ140.00000°. $M_0$2.56000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.7km az=169.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s336.00000°,δ80.00000°,λ145.00000°. NP2:ϕ_s73.00000°,δ56.00000°,λ12.00000°. Principal axes: T Plg31.0000°,Azm289.0000°; N Plg54.0000°,Azm142.0000°; P Plg16.0000° ,Azm29.0000°
IDC Error ellipse: s-maj=321.1km s-min=33.1km az=3.0.

(227) Eastern Honshu

ISC	**XII**	**19 00 15 23.3–.93**	**36.12N–.05**	**139.46E–.08**	**76–7**	**3.5b**	**22**	**0-74**	
ISCJB	XII	19 00 15 23.3–.75	36.12N–.04	139.39E–.09	78–5	3.5b			**¶602391642**
IDC	XII	19 00 15 23.2–3.1	36.29N	139.56E	72–25	3.6,3.5			
JMA	XII	19 00 15 25.2–.10	36.11N	139.42E	63–1	3.1,3.5			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=7.5km az=2.6.
IDC Error ellipse: s-maj=41.0km s-min=24.3km az=85.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**19 02 35 35.2–.52**	**36.28N–.05**	**141.82E–.06**	**21–4**	**4.6b**	**132**	**1-147**	
NIED	XII	19 02 35 00	36.40N	141.80E	11	4.5W			**¶602051800**
IDC	XII	19 02 35 31.6–.67	36.24N	141.81E	0	4.4,4.4b			
NEIC	XII	19 02 35 34.3–1.9	36.25N	141.83E	16–12	4.7b,4.4b			
ISCJB	XII	19 02 35 35.1–.63	36.28N–.03	141.82E–.04	34–5	4.6b,3.9s			
JMA	XII	19 02 35 35.3–.20	36.33N	141.79E	54–5	4.6,3.9s			
BJI	XII	19 02 35 38.2	36.31N	141.07E	21	4.8b,4.7b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ20.00000°,λ53.00000°. NP2:ϕ_s29.00000°,δ74.00000°,λ102.00000°. $M_0$6.11000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=15.8km az=156.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.3km az=128.0. Recorded [1 JMA] in Fukushima, Ibaraki, Miyagi and Tochigi.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.1km az=26.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(196) Irian Jaya region

ISC	**XII**	**19 07 23 55.7–.76**	**3.61S–.06**	**135.78E–.07**	**37**	**4.0b**	**33**	**2-88**	
IDC	XII	19 07 23 52.7–1.1	3.23S	135.90E	0	4.4,4.2			**¶602391636**
ISCJB	XII	19 07 23 54.3–.49	3.56S–.04	135.75E–.05	37	4.1b,3.2s			
NEIC	XII	19 07 23 56.5–.54	3.67S	135.70E	35	4.6b,3.2s			
DJA	XII	19 07 23 56.6–.50	3S–6.0	136E–3.0	90–16	5.2b,4.6b			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Nabire and [II] at Kaimana.

(5) Near Islands

ISC	**XII**	**19 11 14 53.0–.73**	**51.98N–.08**	**173.67E–.05**	**28–4**	**4.6b**	**242**	**1-144**	
AEIC	XII	19 11 14 47.7	51.79N	173.23E	25	4.6b			**¶602052899**
NEIC	XII	19 11 14 47.7–.00	51.79N	173.23E	25	4.6b			
BJI	XII	19 11 14 49.0	51.80N	173.60E	15	5.0b,4.5b			
ISCJB	XII	19 11 14 51.4–.80	51.81N–.06	173.69E–.05	43–6	4.8s,4.5b			
IDC	XII	19 11 14 52.6–.82	51.93N	173.72E	30–3	4.1,4.0			

ISC Event type fe.
NEIC Event type fe. Felt on Adak. After AEIC.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.2km az=3.3.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=170.0.

(35) Near coast of northern California

ISC	**XII**	**19 12 02 21.9–1.7**	**40.31N–.03**	**124.52W–.07**	**27–13**		**67**	**1-22**	
IDC	XII	19 12 02 20.1–2.5	40.41N	124.41W	0	3.7,3.4			**¶602355635**
ANF	XII	19 12 02 21.3–.79	40.40N	124.30W		3.5L,3.4			
NEIC	XII	19 12 02 23.8–.00	40.28N	124.36W	19	3.8W,3.4			
NCEDC	XII	19 12 02 23.8	40.28N	124.36W	19	3.8W,3.4			

ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=13.0km az=96.0.
ANF Error ellipse: s-maj=8.3km s-min=4.9km az=79.0.
NEIC Event type fe. Felt [II] at Eureka. Also felt at Fortuna and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$6.10000×10^{14}

(259) Mindanao

ISC	**XII**	**19 14 00 16.3–.62**	**9.26N–.03**	**124.09E–.04**	**54–5**	**4.6b,3.6s**	**154**	**0-119**	
MAN	XII	19 14 00 12.8	9.25N	124.04E	17	5.4b,4.6s			**¶602051972**
ISCJB	XII	19 14 00 14.4–.34	9.23N–.02	124.13E–.03	51–3	4.5b,3.6s			
BJI	XII	19 14 00 18.6	9.27N	124.14E	89	5.0b,4.7b			
IDC	XII	19 14 00 19.8–2.5	9.17N	124.12E	89–23	4.3,4.2			
NEIC	XII	19 14 00 20.0–.67	9.08N	124.01E	94–6	4.6b,4.2			
DJA	XII	19 14 00 22.7–.70	9N–5.0	124E–5.0	104–6	5.4b,5.2			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Tagbilaran City. Also felt at Dauis. Felt [III] at Dumaguete and [II PIVS] at Dauin and Sibulan, Negros. Also felt at Talisay. Felt [II PIVS] at Cebu City, Cebu. Also felt at Danao City and Mandaue City. Felt [II PIVS] on Siquijor Island and [I PIVS] at Dipolog, Mindanao.

(226) Near west coast of eastern Honshu

ISC	**XII**	**19 16 08 08.8–.38**	**40.69N–.03**	**139.23E–.04**	**35–3**	**4.4b,3.7s**	**123**	**1-148**	
NIED	XII	19 16 08 00	40.70N	139.00E	8	4.2W,3.7s			**¶602052563**
IDC	XII	19 16 08 03.5–.51	40.65N	139.08E	0	4.4,4.2			
JMA	XII	19 16 08 05.7–.10	40.67N	139.16E	29–2	4.3,4.2			
ISCJB	XII	19 16 08 05.8–.57	40.68N–.02	139.16E–.03	29–4	4.4b,3.7s			
BJI	XII	19 16 08 07.2	40.57N	139.06E	32	4.9b,4.5b			
NEIC	XII	19 16 08 08.3–1.2	40.67N	139.15E	32–9	4.8b,4.5b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ43.00000°,λ102.00000°. NP2:ϕ_s4.00000°,δ48.00000°,λ79.00000°. $M_0$2.04000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=88.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=156.1.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.4km az=104.0. Recorded [2 JMA] in Aomori.

(377) Spain

ISC	**XII**	**19 16 24 02.0–1.1**	**38.03N–.02**	**3.29W–.02**	**17–9**		**64**	**0-4**	
MDD	XII	19 16 24 02.4–.16	38.04N	3.28W	3–1	2.8			**¶607215288**
SFS	XII	19 16 24 02.0	38.03N	3.27W	4	2.5L			

ISC Event type fe.
MDD Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=50.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).

(377) Spain

ISC	**XII**	**19 16 24 38.5–.81**	**38.08N–.03**	**3.28W–.02**	**11**		**33**	**0-4**	
ISCJB	XII	19 16 24 36.7–.41	38.09N–.03	3.36W–.03	11				**¶607215287**
MDD	XII	19 16 24 39.0–.11	38.05N	3.26W	0	3.0			
SFS	XII	19 16 24 38.0	38.04N	3.27W	1	2.6L			
CNRM	XII	19 16 24 44.1	37.87N	2.91W	10	3.4L			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.8km az=24.9.
MDD Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=139.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).

(377) Spain

ISC	**XII**	**19 16 24 53.1–.86**	**38.09N–.04**	**3.24W–.04**	**13**		**17**	**0-6**	
ISCJB	XII	19 16 24 51.9–.58	38.19N–.04	3.21W–.06	13				**¶606770172**
SFS	XII	19 16 24 53.0	38.04N	3.26W	1	2.6L			
LDG	XII	19 16 24 53.5–.17	38.05N	3.29W	2	2.8L			
MDD	XII	19 16 24 53.1–.12	38.05N	3.26W	0	2.9			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.7km az=32.0.
SFS TORREPEROGIL. (JAEN).
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=179.0.
MDD Event type fe. Error ellipse: s-maj=1.7km s-min=1.0km az=139.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.

(460) Wyoming

ISC	**XII**	**19 19 06 06.3–.74**	**43.70N–.05**	**105.23W–.05**	**0**		**61**	**1-88**	
IDC	XII	19 19 06 04.0–1.8	43.51N	105.33W	0	4.6b,3.8			**¶602391682**
ISCJB	XII	19 19 06 04.3–.40	43.70N–.03	105.20W–.05	0	4.4b,4.1s			
NEIC	XII	19 19 06 06.8–.49	43.68N	105.29W	0	3.5L,4.1s			

ISC Event type sm.
IDC Error ellipse: s-maj=41.4km s-min=7.5km az=150.0.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=4.4km az=5.6.
NEIC Event type fm. Error ellipse: s-maj=6.8km s-min=6.3km az=102.0. 70 km [44 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**XII**	**19 19 26 34.0–1.5**	**37.47N–.04**	**141.44E–.06**	**10–8**	**4.2b**	**52**	**0-146**	
NIED	XII	19 19 26 00	37.50N	141.40E	11	4.1W			**¶602090205**
ISCJB	XII	19 19 26 33.3–1.0	37.44N–.03	141.54E–.06	18–6	4.1b,3.2s			
JMA	XII	19 19 26 35.2–.10	37.46N	141.40E	26–1	4.3,3.2s			
NEIC	XII	19 19 26 36.8–4.3	37.42N	141.55E	33–26	4.5b,3.2s			
IDC	XII	19 19 26 37.9–3.9	37.41N	141.37E	35–32	3.9,3.8			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ61.00000°,λ-32.00000°. NP2:ϕ_s317.00000°,δ63.00000°,λ-147.00000°. $M_0$1.64000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.5km az=21.5.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=45.5km s-min=13.6km az=126.0. Recorded [2 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=22.5km s-min=15.2km az=90.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**19 20 16 28.1–.64**	**36.15N–.04**	**140.31E–.04**	**73–5**	**4.5b**	**168**	**0-148**	
NIED	XII	19 20 16 00	36.20N	140.30E	71	4.4W			**¶602052566**
BJI	XII	19 20 16 19.8	35.83N	140.41E	34	4.8b,4.8b			
MOS	XII	19 20 16 27.5–1.0	36.41N	140.24E	75	4.9b,4.8b			
ISCJB	XII	19 20 16 27.1–.30	36.12N–.03	140.31E–.04	82–2	4.4b,4.8b			
NEIC	XII	19 20 16 28.3–.62	36.16N	140.31E	76–5	4.8b,4.8b			
JMA	XII	19 20 16 28.0–.10	36.17N	140.33E	74–1	4.2,4.8b			
IDC	XII	19 20 16 28.7–1.4	36.07N	140.22E	80–14	4.3,4.2			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ30.00000°,λ96.00000°. NP2:ϕ_s188.00000°,δ60.00000°,λ87.00000°. $M_0$3.77000×10^{15}
MOS Error ellipse: s-maj=9.3km s-min=6.7km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.4km az=137.2.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=145.0. Recorded [3 JMA] in Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s178.00000°,δ61.00000°,λ77.00000°. NP2: ϕ_s24.00000°,δ32.00000°,λ113.00000°. Principal axes: T Plg71.0000°,Azm58.0000° ; N Plg12.0000°,Azm185.0000°; P Plg15.0000°,Azm278.0000°
IDC Error ellipse: s-maj=13.3km s-min=10.2km az=72.0.

(362) Western Caucasus

MOS	**XII**	**19 21 15 47.5–.00**	**43.85N**	**39.28E**	**6–0**	**3.6**			**¶605300002**

MOS Event type se. FELT I=III MSK at Lazarevskoe.

(229) Off east coast of Honshu

ISC	**XII**	**19 22 40 10.9–.61**	**39.68N–.05**	**143.45E–.06**	**11**	**4.6b,3.9s**	**159**	**1-84**	
NIED	XII	19 22 40 00	39.60N	143.80E	26	4.3W,3.9s			**¶602052192**
ISCJB	XII	19 22 40 09.1–.36	39.65N–.03	143.50E–.05	11	4.5b,4.0s			
JMA	XII	19 22 40 10.7–.40	39.68N	143.57E	35	4.5,4.0s			
MOS	XII	19 22 40 12.1–1.0	39.64N	143.48E	33	4.8b,4.1s			
BJI	XII	19 22 40 13.0	39.61N	143.23E	37	4.9b,4.6b			
NEIC	XII	19 22 40 14.4–.72	39.66N	143.46E	35–5	4.6b,4.6b			
IDC	XII	19 22 40 14.1–3.9	39.62N	143.48E	34–29	4.2,4.2			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ41.00000°,λ82.00000°. NP2:ϕ_s32.00000°,δ49.00000°,λ97.00000°. $M_0$3.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.0km az=30.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=9.3km s-min=5.9km az=105.5.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.8km az=109.0. Recorded [1 JMA] in Iwate.
IDC Error ellipse: s-maj=20.0km s-min=13.9km az=112.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**20 08 27 38.2–2.4**	**38.18N–.05**	**142.26E–.10**	**5–13**	**3.6b**	**28**	**1-62**	
JMA	XII	20 08 27 43.9–.10	38.22N	141.99E	43–1	3.3			**¶602391717**
IDC	XII	20 08 27 46.3–8.8	38.18N	142.14E	71–69	3.4,3.4			

ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=63.6km s-min=28.2km az=71.0.

(224) Hokkaido region

ISC	**XII**	**20 10 54 19.7–.81**	**41.90N–.05**	**144.15E–.04**	**20–6**	**4.5b,3.8s**	**144**	**1-148**	
NIED	XII	20 10 54 00	42.00N	144.20E	26	4.4W,3.8s			**¶602055848**
MOS	XII	20 10 54 19.3–1.1	41.86N	144.09E	33	4.5b,3.8s			
JMA	XII	20 10 54 20.8–.10	41.93N	144.06E	57–3	4.4,3.8s			
IDC	XII	20 10 54 23.2–2.3	41.95N	144.00E	52–20	4.2,4.1			
BJI	XII	20 10 54 25.1	42.17N	142.59E	10	4.8b,4.5b			
NEIC	XII	20 10 54 26.9–.28	42.19N	142.49E	10	4.6b,4.5b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s141.00000°,δ36.00000°,λ-56.00000°. NP2:ϕ_s281.00000°,δ61.00000°,λ-112.00000°. $M_0$4.23000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=88.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=11.3km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.7km az=160.0. Recorded [1 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.

(308) Northern India

ISC	**XII**	**20 13 00 51.9–.58**	**27.44N–.04**	**76.06E–.04**	**12**	**3.9b**	**72**	**1-75**	
ISCJB	XII	20 13 00 50.5–.37	27.48N–.03	76.04E–.03	12	3.8b			**¶602052919**
IDC	XII	20 13 00 50.2–2.1	27.35N	75.89E	0	3.6,3.6L			
NEIC	XII	20 13 00 53.8–4.9	27.65N	76.12E	10	3.9b,3.6L			

NDI XII 20 13 00 55.0–2.5 27.48N 76.21E 12–7 3.9b,3.8L
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=4.5km s-min=3.8km az=160.1.
IDC Error ellipse: s-maj=65.7km s-min=19.8km az=65.0.
NEIC Event type de. Error ellipse: s-maj=62.0km s-min=36.2km az=177.0. Slight damage in the Manoharpur-Shahpura area. Felt [IV] at Jaipur. Also felt at Gurgaon and Kot Putli.
NDI Error ellipse: s-maj=4.4km s-min=7.5km az=-1.0.

(377) Spain

ISC	**XII**	**20 13 49 32.3–1.1**	**38.09N–.02**	**3.23W–.02**	**8–9**		**106**	**0-7**
IGIL	XII	20 13 49 26.5	38.02N	3.22W	1	3.3L		**¶602052921**
INMG	XII	20 13 49 32.9–1.5	38.04N	3.28W	0	3.3L		
LDG	XII	20 13 49 32.6–.10	38.04N	3.28W	3	3.2L		
MDD	XII	20 13 49 32.6–.22	38.04N	3.28W	3–1	3.2		
SFS	XII	20 13 49 33.0	38.00N	3.20W		3.0L		
CNRM	XII	20 13 49 35.1	37.93N	3.11W	3	3.3L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=100.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=130.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=2.1km az=20.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).

(377) Spain

ISC	**XII**	**20 13 53 51.4–1.1**	**38.02N–.02**	**3.29W–.02**	**10–10**		**97**	**0-6**
IGIL	XII	20 13 53 51.1	38.03N	3.26W	0	2.7L		**¶602052923**
SFS	XII	20 13 53 52.0	38.02N	3.26W		2.9L		
MDD	XII	20 13 53 52.6–.15	38.03N	3.27W	3–1	2.9		
INMG	XII	20 13 53 52.8–1.5	38.02N	3.28W	0	2.9L		
CNRM	XII	20 13 53 56.3	37.86N	3.02W	5	3.5L		

ISC Event type ke.
SFS TORREPEROGIL. (JAEN).
MDD Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=56.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=78.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**20 15 31 14.8–.81**	**37.08N–.04**	**141.21E–.06**	**54–6**	**4.4b**	**103**	**0-147**
NIED	XII	20 15 31 00	37.10N	141.20E	56	4.0W		**¶602052926**
BJI	XII	20 15 31 13.0	37.13N	141.25E	60	4.9b,4.6s		
ISCJB	XII	20 15 31 13.3–.48	37.08N–.03	141.23E–.05	57–3	4.6s,4.4b		
NEIC	XII	20 15 31 14.4–.58	37.05N	141.26E	55–5	4.8b,4.4b		
JMA	XII	20 15 31 15.2–.10	37.11N	141.11E	53–1	4.1,4.4b		
IDC	XII	20 15 31 15.9–1.8	37.08N	141.24E	62–16	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ97.00000°. NP2:ϕ_s24.00000°,δ66.00000°,λ87.00000°. $M_0$1.25000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.3km az=22.2.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=107.0. Recorded [3 JMA] in Fukushima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s28.00000°,δ72.00000°,λ88.00000°. NP2: ϕ_s213.00000°,δ18.00000°,λ95.00000°. Principal axes: T Plg63.0000°,Azm295.0000° ; N Plg2.0000°,Azm28.0000°; P Plg27.0000°,Azm119.0000°
IDC Error ellipse: s-maj=14.9km s-min=10.8km az=84.0.

(48) Baja California

ISC	**XII**	**20 19 46 08.3–1.5**	**31.80N–.03**	**115.06W–.04**	**10–12**		**43**	**0-12**
ANF	XII	20 19 46 06.3–.82	31.76N	115.00W	1–4	3.1L		**¶602355664**
ISCJB	XII	20 19 46 08.9–.83	31.83N–.03	115.00W–.04	12–8	3.1L		
PAS	XII	20 19 46 10.1–.00	31.73N	115.04W	12	3.1L		
MEX	XII	20 19 46 11.4–.47	31.76N	114.98W	62–103	3.8		
ECX	XII	20 19 46 11.1–.59	31.80N	115.03W	10	3.3L,3.1		
NEIC	XII	20 19 46 11.1–.00	31.80N	115.02W	0	3.2L,3.1L		

ISC Event type fe.
ANF Error ellipse: s-maj=6.7km s-min=3.3km az=16.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.1km az=37.0.
PAS Event type se.
MEX Error ellipse: s-maj=34.4km s-min=119.9km az=-1.0.
ECX Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
NEIC Event type fe. Felt at Mexicali. After ECX.

(385) Strait of Gibraltar

ISC	**XII**	**21 00 23 08.9–.69**	**36.95N–.02**	**4.10W–.01**	**10**		**266**	**0-9**
ISCJB	XII	21 00 23 08.4–.23	37.11N–.02	4.16W–.01	10			**¶602732628**
LDG	XII	21 00 23 10.7–.16	36.91N	4.12W	10	3.5L		
IGIL	XII	21 00 23 11.0	36.90N	4.12W	20	3.1L		
CNRM	XII	21 00 23 11.9	36.73N	4.20W	76	3.4L		
MDD	XII	21 00 23 12.7–.23	36.91N	4.11W	30–0	3.8		
SFS	XII	21 00 23 12.0	36.89N	4.12W	31	3.5L		
INMG	XII	21 00 23 13.1–2.0	36.90N	4.07W	30–5	3.6L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=2.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=161.0.
MDD Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=177.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS ALCAUCIN. (MALAGA).
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=45.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**XII**	**21 04 49 03.3–.47**	**52.01N–.04**	**158.45E–.04**	**126–3**	**4.7b**	**452**	**0-87**
BJI	XII	21 04 49 00.9	52.25N	158.49E	127	5.1b,4.9b		**¶602054394**
KRSC	XII	21 04 49 01.3–1.1	51.91N	158.71E	112–9	5.3L,4.9b		
ISCJB	XII	21 04 49 02.8–.27	52.07N–.03	158.32E–.05	125–1	4.7b,4.9b		
MOS	XII	21 04 49 02.1–.93	52.02N	158.41E	125	4.7b,4.9b		
NEIC	XII	21 04 49 05.8–.66	52.18N	158.14E	135–5	4.6b,4.9b		
IDC	XII	21 04 49 05.4–.88	52.13N	158.22E	134–5	4.5,4.2		

ISC Event type fe.
KRSC Event type se. FELT [III] at lighthouse Krugliy.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=40.9.
MOS Error ellipse: s-maj=7.4km s-min=3.8km az=92.1.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=141.0. Felt in the Petropavlovsk-Kamchatskiy area.
IDC Error ellipse: s-maj=14.6km s-min=9.8km az=137.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**21 05 43 12.0–2.0**	**38.03N–.05**	**141.97E–.09**	**26–12**		**31**	**0-58**
NIED	XII	21 05 43 00	38.00N	141.80E	38	3.8W		**¶602391783**
IDC	XII	21 05 43 06.5–2.9	38.08N	142.47E	0	3.7,3.7L		
ISCJB	XII	21 05 43 13.3–1.0	38.01N–.04	141.87E–.08	44–10	3.4b,3.7L		
JMA	XII	21 05 43 13.7–.10	38.00N	141.82E	45–1	3.9,3.7L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ63.00000°,λ18.00000°. NP2:ϕ_s274.00000°,δ74.00000°,λ152.00000°. $M_0$5.09000×10^{14}
IDC Error ellipse: s-maj=67.4km s-min=36.7km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=6.2km az=22.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**21 07 42 23.8–1.6**	**37.74N–.04**	**141.75E–.08**	**30–11**	**3.5b**	**34**	**1-62**
IDC	XII	21 07 42 18.4–2.7	37.68N	142.20E	0	3.6,3.4b		**¶602391787**
JMA	XII	21 07 42 25.2	37.78N	141.69E	48–1	3.8,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=68.2km s-min=31.1km az=55.0.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XII**	**21 08 07 19.0–.48**	**38.66N–.03**	**141.89E–.03**	**45–4**	**5.0b,4.3s**	**713**	**0-147**
NIED	XII	21 08 07 00	38.60N	141.90E	56	5.1W,4.3s		**¶604724452**
BJI	XII	21 08 07 14.1	38.61N	142.09E	36	5.1b,5.0b		
MOS	XII	21 08 07 15.8–1.0	38.68N	141.80E	28	5.3b,4.1s		
ISCJB	XII	21 08 07 19.3–.22	38.66N–.02	141.74E–.02	56–1	5.0b,4.3s		
JMA	XII	21 08 07 19.6	38.64N	141.81E	48–1	5.2,4.3s		
IDC	XII	21 08 07 20.5–1.8	38.65N	141.72E	56–16	4.7,4.6L		
NEIC	XII	21 08 07 20.3–.41	38.63N	141.71E	50–3	5.0b,4.6L		
GCMT	XII	21 08 07 21.3–.20	38.59N–.01	141.75E–.02	49–1	5.1W,4.6L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ73.00000°,λ163.00000°. NP2:ϕ_s95.00000°,δ73.00000°,λ18.00000°. $M_0$4.79000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s0.00000°,δ73.00000°,λ147.00000°. NP2:ϕ_s101.00000°,δ59.00000°,λ20.00000°. Principal axes: T Plg35.0000°,Azm317.0000°; N Plg54.0000°,Azm155.0000°; P Plg9.0000° ,Azm53.0000°
NEIC Event type fe. Felt [III] in Sendai and [II] at Misawa. Felt from Hachinohe to Inashiki and from Sakata to Ishinomaki. Recorded [4 JMA] in Iwate and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c63; s72,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.95±.20 $M_{\theta\theta}$-0.03±.15; $M_{\phi\phi}$-0.92±.15; $M_{r\theta}$1.02±.15; $M_{\theta\phi}$4.97±.12; $M_{\phi r}$1.16±.14; Best double couple: NP1:ϕ_s1.00000°,δ77.00000°,λ164.00000°. NP2:ϕ_s94.00000°,δ75.00000°,λ14.00000°. Principal axes: T 5.0860,Plg20.0000° ,Azm317.0000°; N 0.3820,Plg70.0000°,Azm142.0000°; P -5.4690,Plg2.0000°,Azm48.0000° $M_0$5.27700×10^{16}

(227) Eastern Honshu

ISC	**XII**	**21 09 52 25.6–1.1**	**36.84N–.04**	**138.68E–.03**	**4–9**	**3.8b**	**25**	**0-77**
NIED	XII	21 09 52 00	36.80N	138.70E	5	3.9W		**¶602391805**
ISCJB	XII	21 09 52 24.8–.54	36.84N–.03	138.67E–.04	12–4	3.5b		
IDC	XII	21 09 52 24.6–.94	36.84N	138.70E	0	3.9,3.7		
JMA	XII	21 09 52 25.5	36.82N	138.69E	5–3	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ66.00000°,λ-175.00000°. NP2:ϕ_s348.00000°,δ86.00000°,λ-24.00000°. $M_0$7.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.3km az=135.5.
IDC Error ellipse: s-maj=29.1km s-min=8.1km az=139.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s339.00000°,δ65.00000°,λ-37.00000°. NP2: ϕ_s86.00000°,δ57.00000°,λ-150.00000°. Principal axes: T Plg5.0000°,Azm34.0000° ; N Plg47.0000°,Azm129.0000°; P Plg43.0000°,Azm299.0000°

(228) Near east coast of eastern Honshu

ISC	**XII**	**21 12 52 32.6–1.3**	**38.48N–.04**	**142.04E–.09**	**47–11**	**3.8b**	**59**	**0-89**
NIED	XII	21 12 52 00	38.50N	142.00E	53	3.7W		**¶602391760**
ISCJB	XII	21 12 52 31.5–.60	38.46N–.03	142.05E–.07	55–4	3.7b		
NEIC	XII	21 12 52 32.7–.72	38.44N	142.16E	53–6	4.2b		
IDC	XII	21 12 52 33.2–2.2	38.40N	142.06E	58–21	3.8,3.8L		
JMA	XII	21 12 52 33.1	38.50N	141.93E	55–1	3.9,3.8L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ42.00000°,λ144.00000°. NP2:ϕ_s169.00000°,δ67.00000°,λ54.00000°. $M_0$4.53000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=15.5.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.9km az=111.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=20.5km s-min=14.9km az=106.0.
JMA Event type fe.

(460) Wyoming

ISC	**XII**	**21 19 11 20.8–.95**	**43.76N–.08**	**105.07W–.07**	**0**		**22**	**1-61**
IDC	XII	21 19 11 16.8–2.5	43.10N	105.07W	0	3.7,3.6		**¶602391821**
ISCJB	XII	21 19 11 20.0–.54	43.72N–.05	105.13W–.08	0	4.2b,3.6s		
NEIC	XII	21 19 11 21.5–.63	43.74N	105.13W	0	3.4L,3.6s		

ISC Event type sm.
IDC Error ellipse: s-maj=51.3km s-min=9.0km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=8.6km s-min=6.8km az=41.4.
NEIC Event type fm. Error ellipse: s-maj=10.3km s-min=8.4km az=146.0. 68 km [42 miles] SSE of Gillette. Suspected Mining explosion.

(49) Gulf of California

ISC	**XII**	**21 19 24 54.5–.45**	**27.59N–.04**	**111.46W–.04**	**10**	**4.7b,3.8s**	**264**	**1-126**
ISCJB	XII	21 19 24 52.8–.30	27.46N–.03	111.54W–.03	10	4.6b,3.9s		**¶602056574**
IDC	XII	21 19 24 52.7–.85	27.46N	111.26W	0	4.3,4.2b		
MEX	XII	21 19 24 53.0–.87	27.52N	111.38W	6–10	4.4,4.2b		
NEIC	XII	21 19 24 55.1–1.3	27.41N	111.60W	16–9	4.5b,4.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=30.3.
IDC Error ellipse: s-maj=15.4km s-min=13.4km az=28.0.
MEX Error ellipse: s-maj=8.3km s-min=5.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=212.0. Felt [III] at Guaymas, Sonora.

(456) Montana

ISC	**XII**	**21 21 05 50.3–.84**	**45.06N–.04**	**106.85W–.03**	**0**		**29**	**2-18**
ISCJB	XII	21 21 05 52.0–.53	45.20N–.04	106.93W–.05	0			**¶602391825**
IDC	XII	21 21 05 51.8–1.2	45.09N	107.12W	0	3.4,3.3		
NEIC	XII	21 21 05 52.2–.61	45.15N	106.95W	0	3.0,3.3		
ANF	XII	21 21 05 52.2–.51	45.18N	106.97W		3.1L,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.5km s-min=4.6km az=148.2.
IDC Error ellipse: s-maj=52.4km s-min=7.5km az=131.0.
NEIC Event type fm. Error ellipse: s-maj=10.0km s-min=7.5km az=151.0. 37 km [23 miles] N of Sheridan. Suspected Mining explosion.
ANF Error ellipse: s-maj=8.6km s-min=4.9km az=172.0.

(224) Hokkaido region

ISC	**XII**	**21 22 01 19.4–.64**	**41.54N–.04**	**142.08E–.04**	**59–6**	**3.8b**	**55**	**1-76**
NIED	XII	21 22 01 00	41.50N	142.10E	53	3.8W		**¶602391827**
ISCJB	XII	21 22 01 19.0–.37	41.54N–.03	142.08E–.05	70–3	3.7b		
IDC	XII	21 22 01 18.6–.83	41.49N	142.18E	55–6	3.8,3.7		
JMA	XII	21 22 01 19.6–.10	41.55N	142.07E	65–2	3.5,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ23.00000°,λ63.00000°. NP2:ϕ_s22.00000°,δ70.00000°,λ101.00000°. $M_0$4.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=37.5.
IDC Error ellipse: s-maj=19.2km s-min=15.1km az=74.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(186) Vanuatu Islands

ISC	**XII**	**21 22 28 08.1–.19**	**14.36S–.03**	**167.28E–.03**	**198–1**	**6.0b**	**2275**	**8-169**
BJI	XII	21 22 28 06.5	14.40S	167.30E	200	6.8b,5.9b		**¶602090225**
ISCJB	XII	21 22 28 07.5–.57	14.33S–.02	167.26E–.01	202–5	5.9b,5.9b		
IDC	XII	21 22 28 07.7–.28	14.33S	167.36E	191–2	6.2,5.7		
MOS	XII	21 22 28 08.1–1.1	14.33S	167.26E	205	6.2b,5.7		
NEIC	XII	21 22 28 08.6–.07	14.34S	167.29E	201	6.7W,6.7W		
NEIC	XII	21 22 28 09.0–.00	14.28S	166.95E	210	6.7W,6.7W		
GCMT	XII	21 22 28 11.6–.00	14.31S	167.17E	199–0	6.7W,6.7W		
NEIC	XII	21 22 28 28.1–.00	14.31S	167.37E	198	6.7W,6.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=3.7.
IDC Error ellipse: s-maj=5.9km s-min=5.5km az=63.0.
MOS Error ellipse: s-maj=6.5km s-min=5.7km az=90.5.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=2.1km az=146.0. Felt at Sola. Moment Tensor Solution. s42 Moment tensor: Scale 10^{19}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.99 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.55 $M_{\phi r}$0.23 Best double couple: NP1:ϕ_s153.00000°,δ38.00000°,λ98.00000°. NP2: ϕ_s322.00000°,δ53.00000°,λ84.00000°. Principal axes: T 1.5000,Plg81.0000°,Azm202.0000° ; N -0.1300,Plg5.0000°,Azm326.0000°; P -1.3800,Plg8.0000°,Azm57.0000° $M_0$1.40000×10^{19}
NEIC Event type se. Moment Tensor Solution. s52 Moment tensor: Scale 10^{19}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.33 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s330.00000° ,δ49.00000°,λ73.00000°. NP2:ϕ_s175.00000°,δ43.00000°,λ108.00000°. Principal axes: T 1.2700,Plg77.0000°,Azm175.0000°; N -0.0700,Plg12.0000°,Azm341.0000° ; P -1.2000,Plg3.0000°,Azm72.0000° $M_0$1.20000×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c379; s140,c681; Duration: 5s4 Moment tensor: Scale 10^{19}Nm; M_{rr}1.30±.00 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-1.19±.01; $M_{r\theta}$-0.35±.00; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.10±.00; Best double couple: NP1:ϕ_s333.00000°,δ50.00000° ,λ74.00000°. NP2:ϕ_s178.00000°,δ42.00000°,λ109.00000°. Principal axes: T 1.3820,Plg77.0000°,Azm183.0000°; N -0.1110,Plg12.0000°,Azm344.0000° ; P -1.2750,Plg4.0000°,Azm75.0000° $M_0$1.32800×10^{19}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{19}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.35 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s177.00000° ,δ45.00000°,λ111.00000°. NP2:ϕ_s328.00000°,δ48.00000°,λ70.00000°. Principal axes: T 1.3500,Plg75.0000°,Azm168.0000°; N -0.0400,Plg15.0000°,Azm341.0000° ; P -1.3100,Plg2.0000°,Azm72.0000° $M_0$1.30000×10^{19}

(662) Sakhalin Island

ISC	**XII**	**22 01 40 44.7–1.1**	**53.35N–.04**	**142.66E–.03**	**18–7**		**31**	**0-77**
ISCJB	XII	22 01 40 40.2–1.0	53.41N–.04	142.63E–.06	3–7	3.7b		**¶602391841**
MOS	XII	22 01 40 41.0–2.5	53.27N	142.78E	10	4.3b		
SKHL	XII	22 01 40 41.8–.40	53.34N	142.60E	10–1	4.2b		
IDC	XII	22 01 40 42.8–1.3	53.40N	142.76E	0	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.7km az=36.9.
MOS Event type fe. Error ellipse: s-maj=16.7km s-min=10.0km az=81.2. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Tungor.
IDC Error ellipse: s-maj=31.4km s-min=25.4km az=168.0.

(268) Sulawesi

ISC	**XII**	**22 02 04 22.6–.30**	**2.87S–.04**	**119.85E–.05**	**35**	**4.9b,4.2s**	**257**	**0-158**
IDC	XII	22 02 04 16.4–.57	2.58S	120.09E	0	4.7,4.6		**¶602055868**
ISCJB	XII	22 02 04 20.5–.16	2.84S–.02	119.82E–.02	33	4.8b,4.2s		
DJA	XII	22 02 04 20.3–.10	3S–1.0	120E–1.0	10	6.7,5.5b		
MOS	XII	22 02 04 20.1–1.0	2.67S	119.97E	33	5.2b,5.5b		
BJI	XII	22 02 04 21.7	2.70S	119.90E	30	5.2b,4.9b		
NEIC	XII	22 02 04 23.0–.52	2.68S	119.95E	45–5	4.9b,4.9b		
KLM	XII	22 02 04 23.0	2.98S	119.84E	33	5.0b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=12.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=152.6.
MOS Error ellipse: s-maj=13.9km s-min=6.2km az=126.7.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=46.0. Felt [III] at Toraja.

(228) Near east coast of eastern Honshu

ISC	**XII**	**22 02 36 46.2–.75**	**35.23N–.04**	**140.24E–.05**	**35**	**4.2b**	**46**	**0-70**
NIED	XII	22 02 36 00	35.20N	140.30E	32	3.9W		**¶602320553**
IDC	XII	22 02 36 39.5–1.6	35.37N	140.69E	0	4.0,4.0		
ISCJB	XII	22 02 36 45.6–.38	35.22N–.03	140.21E–.05	35	4.1b,4.0		
NEIC	XII	22 02 36 45.9–1.8	35.27N	140.38E	38–11	4.4b,4.0		
JMA	XII	22 02 36 46.7–.10	35.28N	140.19E	35–2	3.7,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ52.00000°,λ-38.00000°. NP2:ϕ_s12.00000°,δ61.00000°,λ-135.00000°. $M_0$7.63000×10^{14}
IDC Error ellipse: s-maj=56.3km s-min=16.7km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.8km az=156.9.
NEIC Event type fe. Error ellipse: s-maj=28.6km s-min=5.4km az=70.0. Recorded [2 JMA] in Chiba.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s257.00000°,δ71.00000°,λ-53.00000°. NP2: ϕ_s10.00000°,δ41.00000°,λ-150.00000°. Principal axes: T Plg18.0000°,Azm320.0000° ; N Plg35.0000°,Azm63.0000°; P Plg50.0000°,Azm208.0000°

(243) Taiwan region

ISC	**XII**	**22 03 24 35.4–.79**	**22.03N–.03**	**121.58E–.03**	**16–4**	**4.2b,3.4s**	**189**	**0-147**
NIED	XII	22 03 24 00	22.40N	121.70E	35	4.4W,3.4s		**¶602056577**
IDC	XII	22 03 24 32.7–.58	21.87N	121.55E	0	4.2,4.1		
BJI	XII	22 03 24 32.8	21.71N	121.73E	24	4.6b,4.2b		
ASIES	XII	22 03 24 34.0	22.04N	121.48E	33	3.9W,4.2b		
TAP	XII	22 03 24 34.8	21.99N	121.49E	14–0	4.2L,4.2b		
NEIC	XII	22 03 24 34.2–.30	21.94N	121.57E	10	4.4b,4.2b		
JMA	XII	22 03 24 37.3–.30	22.42N	121.69E	0	4.6,4.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ18.00000°,λ-137.00000°. NP2:ϕ_s302.00000°,δ78.00000°,λ-77.00000°. $M_0$3.90000×10^{15}
IDC Error ellipse: s-maj=29.1km s-min=13.1km az=66.0.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=5.1km az=77.0. Recorded [5 TAP] in Taitung.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

(706) Northern Sumatera

ISC	**XII**	**22 03 50 08.0–.61**	**5.15N–.03**	**94.19E–.04**	**46–5**	**5.2b,4.4s**	**638**	**3-159**
BJI	XII	22 03 49 58.2	4.86N	94.21E	8	5.2b,5.2b		**¶602055874**
MOS	XII	22 03 50 05.5–1.0	5.33N	94.30E	35	5.3b,4.2s		
KLM	XII	22 03 50 06.0	5.02N	94.02E	42	5.3b,4.2s		
ISCJB	XII	22 03 50 06.2–.47	5.14N–.02	94.25E–.02	46–4	5.1b,4.4s		
IDC	XII	22 03 50 07.0–2.4	5.27N	94.29E	33–17	4.9,4.8		
DJA	XII	22 03 50 07.1–.40	5N–2.0	94E–3.0	37–4	5.5b,5.3		
NEIC	XII	22 03 50 08.2–.48	5.17N	94.22E	46–4	5.1b,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=117.7.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=140.9.
IDC Error ellipse: s-maj=11.1km s-min=8.6km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=46.0. Felt [III] at Banda Aceh.

(221) Kuril Islands

ISC	**XII**	**22 04 42 37.3–.32**	**49.75N–.04**	**155.29E–.04**	**127–2**	**5.0b**	**1202**	**1-158**
BJI	XII	22 04 42 30.9	49.93N	155.76E	115	5.2b,5.0b		**¶602056581**
KRSC	XII	22 04 42 34.0–2.0	49.55N	155.53E	133–23	5.4L,5.0b		
MOS	XII	22 04 42 36.7–.87	49.79N	155.18E	133	4.9b,5.0b		
ISCJB	XII	22 04 42 36.6–.30	49.78N–.03	155.22E–.02	132–2	4.9b,5.0b		
IDC	XII	22 04 42 37.6–.34	49.80N	155.12E	124–3	5.0,4.7		
NEIC	XII	22 04 42 37.6–.08	49.82N	155.10E	125	5.1b,4.7		

ISC Event type se.
KRSC Event type se. FELT [II-III] at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.1km az=72.6. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.0km az=158.3.
IDC Error ellipse: s-maj=9.2km s-min=5.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.6km az=156.0.

(236) Shikoku

ISC	**XII**	**22 06 15 31.0–.58**	**33.49N–.03**	**132.27E–.03**	**52–5**	**4.5b,3.6s**	**205**	**0-155**
NIED	XII	22 06 15 00	33.50N	132.30E	44	4.4W,3.6s		**¶602056307**
BJI	XII	22 06 15 29.4	33.30N	132.34E	60	4.8b,4.6b		
ISCJB	XII	22 06 15 29.1–.28	33.50N–.02	132.19E–.03	49–2	4.5b,3.5s		
JMA	XII	22 06 15 30.3	33.52N	132.30E	47	4.5,3.5s		
NEIC	XII	22 06 15 31.2–.51	33.47N	132.12E	55–4	4.6b,3.5s		
IDC	XII	22 06 15 33.3–1.1	33.52N	132.05E	81–11	4.3,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ24.00000°,λ-100.00000°. NP2:ϕ_s167.00000°,δ67.00000°,λ-85.00000°. $M_0$4.11000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.7km az=28.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s198.00000°,δ62.00000°,λ-60.00000°. NP2:ϕ_s328.00000°,δ40.00000°,λ-133.00000°. Principal axes: T Plg12.0000°,Azm267.0000°; N Plg26.0000°,Azm3.0000°; P Plg61.0000° ,Azm155.0000°
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=4.2km az=160.0. Felt [III] at Iwakuni, Honshu. Also felt at Onomichi. Recorded [3 JMA] in Yamaguchi. Also recorded [3 JMA] in Ehime, Shikoku.
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=84.0.

(224) Hokkaido region

ISC	**XII**	**22 06 20 23.0–.39**	**41.34N–.03**	**142.65E–.03**	**41–2**	**4.6b,3.8s**	**392**	**1-147**
NIED	XII	22 06 20 00	41.30N	142.70E	44	4.5W,3.8s		**¶602056582**
BJI	XII	22 06 20 17.3	41.25N	143.14E	35	4.9b,4.7b		
JMA	XII	22 06 20 22.8–.10	41.31N	142.67E	36–4	4.4,4.7b		
MOS	XII	22 06 20 22.6–.87	41.42N	142.48E	42	4.9b,4.7b		
ISCJB	XII	22 06 20 23.8–.29	41.38N–.02	142.55E–.03	53–2	4.6b,3.8s		
IDC	XII	22 06 20 24.7–.54	41.27N	142.56E	56–4	4.4,4.3		
NEIC	XII	22 06 20 27.0–.39	41.37N	142.43E	68–3	4.6b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ23.00000°,λ64.00000°. NP2:ϕ_s25.00000°,δ70.00000°,λ100.00000°. $M_0$5.35000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=5.1km az=92.8.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=139.1.
IDC Error ellipse: s-maj=11.8km s-min=8.6km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=150.0. Recorded [1 JMA] in southwestern Hokkaido and in Aomori, Honshu.

(228) Near east coast of eastern Honshu

ISC	**XII**	**22 06 32 48.7–2.1**	**38.40N–.04**	**142.02E–.07**	**28–14**	**3.3b**	**40**	**0-68**
NIED	XII	22 06 32 00	38.40N	142.00E	47	3.7W		**¶602391854**
JMA	XII	22 06 32 49.8–.10	38.45N	142.01E	43–1	3.9		
IDC	XII	22 06 32 50.5–2.2	38.37N	142.10E	49–19	3.6L,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ17.00000°,λ-175.00000°. NP2:ϕ_s183.00000°,δ89.00000°,λ-73.00000°. $M_0$4.44000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=24.4km s-min=11.3km az=114.0.

(115) Near coast of Peru

NEIC	**XII**	**22 06 43 39.0–.00**	**12.56S**	**76.82W**	**51**	**4.2L**		**¶602056308**

NEIC Event type fe. Felt [II] at Chilca and Lima. Also felt at Pucusana. After ARE.

(61) Chiapas

ISC	**XII**	**22 07 00 40.2–.60**	**16.76N–.05**	**93.70W–.04**	**165–6**	**4.3b**	**323**	**1-135**
IDC	XII	22 07 00 38.7–.56	16.87N	93.48W	146–7	4.2,4.0		**¶602341731**
ISCJB	XII	22 07 00 40.0–.26	16.78N–.03	93.58W–.03	175–2	4.3b,4.0		
NEIC	XII	22 07 00 40.7–.30	16.74N	93.60W	163–3	4.4b,4.3		
MEX	XII	22 07 00 42.5–.60	16.80N	93.78W	159–7	4.3,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=18.4km s-min=7.0km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=14.4.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=208.0. Felt at Tuxtla Gutierrez.
MEX Error ellipse: s-maj=9.6km s-min=4.2km az=-1.0.

(136) Central Chile

ISC	**XII**	**22 10 06 31.7–1.6**	**28.03S–.04**	**71.36W–.08**	**31–13**		**47**	**1-152**
IDC	XII	22 10 06 26.2–2.0	28.28S	71.38W	0	3.6,3.6L		**¶602059840**
SJA	XII	22 10 06 30.4–1.0	27.95S	71.52W	33	3.9L,3.7W		
ISCJB	XII	22 10 06 32.9–.81	27.97S–.03	71.39W–.09	48–15	3.3b,3.7W		
GUC	XII	22 10 06 35.6–.57	28.15S	70.77W	59–3	4.1L,3.7W		
NEIC	XII	22 10 06 35.0–.00	28.15S	70.77W	59	4.1L,3.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=59.7km s-min=39.6km az=115.0.
SJA Error ellipse: s-maj=10.7km s-min=15.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=4.9km az=4.0.
GUC Error ellipse: s-maj=3.9km s-min=12.6km az=-1.0.
NEIC Event type fe. Felt [III] at Huasco and [II] at Copiapo, Tierra Amarilla and Vallenar. After GUC.

(111) Northern Peru

ISC	**XII**	**22 16 02 43.7–.32**	**6.02S–.05**	**76.59W–.07**	**35**	**4.9b,4.0s**	**412**	**4-167**
IDC	XII	22 16 02 38.2–.57	6.13S	76.78W	0	4.7,4.6		**¶602056319**
ISCJB	XII	22 16 02 41.5–.20	5.96S–.03	76.61W–.04	33	4.8b,4.0s		
ARE	XII	22 16 02 41.0–.00	6.01S	76.79W	37	4.8b,4.0s		
IGQ	XII	22 16 02 42.1–.63	6S–5.0	77W–14	12	5.8,5.7b		
NEIC	XII	22 16 02 43.6–.22	6.08S	76.63W	35	4.9b,4.8L		
GCMT	XII	22 16 02 44.6–.40	6.03S–.02	76.75W–.03	15	5.0W,4.8L		
BJI	XII	22 16 02 45.1	6.10S	76.50W	45	5.4b,5.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=11.6km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=155.4.
ARE Event type se.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.1km az=61.0. Felt [IV] at Moyobamba.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c28; s78,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.33±.13 $M_{\theta\theta}$2.02±.08; $M_{\phi\phi}$-2.35±.12; $M_{r\theta}$0.45±.29; $M_{\theta\phi}$0.55±.08; $M_{\theta r}$2.72±.43; Best double couple: NP1:ϕ_s28.00000°,δ88.00000°,λ128.00000°. NP2:ϕ_s121.00000°,δ38.00000°,λ4.00000°. Principal axes: T 2.6970,Plg36.0000° ,Azm331.0000°; N 1.3520,Plg38.0000°,Azm206.0000°; P -4.0520,Plg32.0000°,Azm87.0000° $M_0$3.37500×10^{16}

(296) Myanmar

ISC	**XII**	**22 16 41 46.2–.26**	**22.47N–.02**	**94.72E–.02**	**141–1**	**5.5b**	**1196**	**2-165**
BJI	XII	22 16 41 42.4	22.31N	94.58E	134	5.8b,5.7b		**¶602056587**
NEIC	XII	22 16 41 44.0–.00	22.23N	94.64E	130	5.8b,5.7b		
ISCJB	XII	22 16 41 44.6–.21	22.46N–.01	94.74E–.01	136–2	5.5b,5.7b		
MOS	XII	22 16 41 45.3–.87	22.46N	94.80E	147	5.6b,5.7b		
NEIC	XII	22 16 41 45.7–.45	22.44N	94.78E	134–4	5.5W,5.5W		
GCMT	XII	22 16 41 46.7–.10	22.29N–.01	94.80E–.01	142–0	5.5W,5.5W		
IDC	XII	22 16 41 46.1–.45	22.42N	94.78E	138–3	5.5,5.2		
NDI	XII	22 16 41 47.4–2.8	22.46N	94.72E	96	5.4b,5.4L		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$0.18 $M_{r\theta}$-1.69 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s259.00000° ,δ79.00000°,λ67.00000°. NP2:ϕ_s144.00000°,δ25.00000°,λ153.00000°. Principal axes: T 2.1400,Plg50.0000°,Azm142.0000°; N -0.1300,Plg22.0000°,Azm263.0000° ; P -2.0100,Plg30.0000°,Azm7.0000° $M_0$2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=44.1.
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=116.5.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=46.0. Felt at Kani, Rangoon and Sittwe. Felt [V] at Chittagong and [III] at Dhaka and Narayanganj, Bangladesh. Felt [III] at Kolkata, India. Felt in much of Bangladesh and northeastern India. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.35 $M_{r\theta}$-1.26 $M_{\theta\phi}$1.00 $M_{\phi r}$-0.70 Best double couple: NP1:ϕ_s259.00000°,δ77.00000°,λ50.00000°. NP2:ϕ_s153.00000° ,δ42.00000°,λ160.00000°. Principal axes: T 2.0600,Plg44.0000°,Azm130.0000° ; N -0.2100,Plg39.0000°,Azm270.0000°; P -1.8600,Plg21.0000°,Azm18.0000° $M_0$2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c166; s126,c263;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-1.25±.03; $M_{\phi\phi}$0.50±.03; $M_{r\theta}$-1.48±.02; $M_{\theta\phi}$0.90±.03; $M_{\phi r}$-0.69±.02; Best double couple: NP1:ϕ_s256.00000°,δ78.00000°,λ55.00000°. NP2:ϕ_s149.00000°,δ37.00000°,λ159.00000°. Principal axes: T 2.1880,Plg46.0000° ,Azm130.0000°; N -0.0560,Plg34.0000°,Azm264.0000°; P -2.1310,Plg24.0000° ,Azm12.0000° $M_0$2.15900×10^{17}
IDC Error ellipse: s-maj=6.6km s-min=5.0km az=46.0.
NDI Error ellipse: s-maj=9.9km s-min=10.5km az=-1.0.

(460) Wyoming

ISC	**XII**	**22 20 10 23.4–.96**	**43.38N–.06**	**105.09W–.08**	**0**		**12**	**1-20**
IDC	XII	22 20 10 21.3–4.0	43.16N	105.09W	0	3.2,3.1L		**¶602391886**
ISCJB	XII	22 20 10 23.6–.82	43.48N–.08	105.16W–.10	0	3.2,3.1L		
NEIC	XII	22 20 10 25.4–.76	43.56N	105.19W	0	3.1L,3.1L		

ISC Event type sm.
IDC Error ellipse: s-maj=87.0km s-min=13.6km az=148.0.
ISCJB Event type fm. Error ellipse: s-maj=12.4km s-min=8.9km az=144.2.
NEIC Event type fm. Error ellipse: s-maj=11.7km s-min=10.4km az=139.0. 85 km [53 miles] SSE of Gillette. Suspected Mining explosion.

(45) California-Baja California border region

ISC	**XII**	**22 21 37 44.6–.88**	**33.03N–.01**	**116.23W–.01**	**10–7**		**191**	**0-11**
ISCJB	XII	22 21 37 43.9–.28	33.01N–.01	116.22W–.01	5–2			**¶602374102**
NEIC	XII	22 21 37 44.9–.00	33.00N	116.25W	1	4.0L		
ANF	XII	22 21 37 44.1–.16	33.03N	116.23W	8–1	3.9L		
PAS	XII	22 21 37 44.9	33.00N	116.25W	1	4.0L		
ECX	XII	22 21 37 45.5–.62	33.00N	116.24W	4	4.0L,3.7		
MEX	XII	22 21 37 46.9–.49	33.08N	116.90W	20	4.0,3.7		
IDC	XII	22 21 37 52.9–2.5	33.42N	115.65W	0	3.4,3.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=173.5.
NEIC Event type fe. Felt [III] at San Diego and [II] at Alpine, Borrego Springs, Escondido and Pine Valley. Felt in much of southern California. Felt at Rosarito, Baja California. After PAS.
ANF Error ellipse: s-maj=1.4km s-min=1.2km az=14.0.
ECX Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
MEX Error ellipse: s-maj=8.8km s-min=18.7km az=-1.0.
IDC Error ellipse: s-maj=36.9km s-min=12.6km az=42.0.

(244) Taiwan

ISC	**XII**	**23 06 13 05.8–.84**	**24.31N–.01**	**121.47E–.01**	**6–5**	**4.5b**	**361**	**0-148**
NIED	XII	23 06 13 00	24.30N	121.40E	8	4.4W		**¶602056610**
JMA	XII	23 06 13 04.0–.20	24.32N	121.42E	1–2	4.5		
TAP	XII	23 06 13 04.2	24.32N	121.46E	5–0	4.6L		
ISCJB	XII	23 06 13 05.1–.18	24.335N–.01	121.47E–.01	8–1	4.4b,3.5s		
NEIC	XII	23 06 13 05.3–.55	24.26N	121.47E	5–3	4.6b,4.3L		
BJI	XII	23 06 13 05.5	24.26N	121.41E	5	4.7b,4.4L		
MOS	XII	23 06 13 06.8–1.1	24.23N	121.49E	28	4.8b,4.4L		
IDC	XII	23 06 13 11.2–3.2	24.23N	121.61E	57–29	4.2,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ37.00000°,λ-29.00000°. NP2:ϕ_s314.00000°,δ73.00000°,λ-124.00000°. $M_0$4.38000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=27.6.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.8km az=100.0. Felt at Shulin and Taipei.
MOS Error ellipse: s-maj=11.4km s-min=7.4km az=120.1.

IDC Error ellipse: s-maj=17.9km s-min=14.4km az=63.0.

(343) Turkey-Iran border region

ISC	**XII**	**23 06 38 56.7–.60**	**38.46N–.02**	**44.92E–.01**	**8–3**	**5.2b,4.4s**	**974**	**1-131**
ISN	XII	23 06 38 51.0–.74	38.69N	44.88E	0–40	5.2L,4.4s		**¶602056611**
MOS	XII	23 06 38 55.3–1.1	38.38N	44.88E	10	5.3b,4.3s		
IDC	XII	23 06 38 55.1–.39	38.40N	44.85E	0	4.9,4.9b		
BJI	XII	23 06 38 55.5	38.50N	44.80E	11	5.2b,5.1b		
DDA	XII	23 06 38 55.5	38.47N	44.97E	8	5.0L,5.1b		
ISK	XII	23 06 38 56.2	38.43N	44.83E	5–0	5.0L,5.1b		
NSSP	XII	23 06 38 56.9	38.52N	44.92E	10	4.8s,5.1b		
AZER	XII	23 06 38 56.1–.07	38.56N	44.97E	2–0	5.1L,5.1b		
THR	XII	23 06 38 57.4–.37	38.50N	44.92E	14–6	4.6L,5.1b		
TEH	XII	23 06 38 57.7	38.49N	44.93E	12	4.9L,5.1b		
NEIC	XII	23 06 38 57.5–.62	38.46N	44.87E	12–4	5.2b,5.0L		
DSN	XII	23 06 38 57.6–.30	38.24N	44.68E	15	5.1b,5.0L		
ISCJB	XII	23 06 38 59.9–.16	38.43N–.01	44.88E–.01	43–1	5.1b,4.4s		
GCMT	XII	23 06 39 00.1–.20	38.31N–.01	44.85E–.02	28–0	5.1W,4.4s		
GII	XII	23 06 39 11.0–.00	38.53N	44.87E	5	5.1W,4.4s		

ISC Event type fe.
ISN Error ellipse: s-maj=45.8km s-min=13.5km az=-1.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=110.9.
IDC Error ellipse: s-maj=9.0km s-min=7.7km az=25.0.
DDA Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=2.2km s-min=1.1km az=25.0.
THR Error ellipse: s-maj=3.5km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=189.0. Felt [IV] at Khvoy, Iran. Also felt at Orumiyeh and Tabriz.
DSN Error ellipse: s-maj=7.6km s-min=3.8km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=15.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c54; s93,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.92±.19 $M_{\theta\theta}$-0.51±.13; $M_{\phi\phi}$-1.41±.13; $M_{r\theta}$2.53±.24; $M_{\theta\phi}$-3.77±.09; $M_{\phi r}$-0.64±.23; Best double couple: NP1:ϕ_s79.00000°,δ71.00000°,λ141.00000°. NP2:ϕ_s184.00000°,δ54.00000°,λ24.00000°. Principal axes: T 4.7980,Plg40.0000° ,Azm36.0000°; N 0.1890,Plg48.0000°,Azm237.0000°; P -4.9920,Plg11.0000°,Azm135.0000° M_o4.89500×10^{16}
GII Event type ke.

(39) Central California

ISC	**XII**	**23 10 02 44.1–1.5**	**35.58N–.03**	**120.96W–.04**	**2–10**		**111**	**1-65**
ISCJB	XII	23 10 02 42.6–.73	35.53N–.02	121.01W–.04	3–5	3.5b,3.3s		**¶602312444**
IDC	XII	23 10 02 44.5–2.2	35.45N	121.05W	0	3.8,3.5		
ANF	XII	23 10 02 44.2–.45	35.64N	120.98W	15–2	3.7L,3.5		
NEIC	XII	23 10 02 45.1–.00	35.64N	120.94W	6	3.7W,3.5		
NCEDC	XII	23 10 02 45.1	35.64N	120.94W	6	3.7W,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.2km az=144.1.
IDC Error ellipse: s-maj=24.8km s-min=19.9km az=35.0.
ANF Error ellipse: s-maj=3.8km s-min=2.3km az=128.0.
NEIC Event type fe. Felt [III] at Arroyo Grande, Cambria and Paso Robles; [II] at Atascadero, Los Osos, Morro Bay, San Luis Obispo, San Miguel and Templeton. Also felt at Cayucos, Creston, Oceano, Pismo Beach, Santa Margarita and Santa Ynez. After NCEDC. Moment Tensor Solution. M_o5.00000×10^{14}

(227) Eastern Honshu

ISC	**XII**	**23 11 58 15.9–1.5**	**37.15N–.05**	**140.98E–.07**	**10–8**	**3.2b**	**22**	**0-57**
IDC	XII	23 11 58 16.6–1.4	36.81N	141.08E	0	3.5,3.3		**¶602391921**
JMA	XII	23 11 58 17.3	37.19N	140.89E	9	3.3,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=24.6km az=134.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s205.00000°,δ50.00000°,λ-95.00000°. NP2:ϕ_s32.00000°,δ40.00000°,λ-84.00000°. Principal axes: T Plg5.0000°,Azm298.0000°; N Plg4.0000°,Azm208.0000°; P Plg84.0000° ,Azm79.0000°

(263) Talaud Islands

ISC	**XII**	**23 12 52 25.1–.69**	**4.14N–.03**	**126.60E–.05**	**48–6**	**5.0b,4.2s**	**487**	**2-158**
BJI	XII	23 12 52 17.1	3.61N	126.69E	31	5.2b,4.8b		**¶602056619**
GCMT	XII	23 12 52 22.5–.30	4.33N–.03	126.77E–.03	26–1	5.0W,4.8b		
ISCJB	XII	23 12 52 23.5–.41	4.17N–.02	126.67E–.03	50–3	5.0b,4.4s		
IDC	XII	23 12 52 23.2–2.0	4.16N	126.55E	33–14	4.7,4.6		
MAN	XII	23 12 52 23.1	3.74N	125.92E	14	5.7b,5.0s		
NEIC	XII	23 12 52 24.4–.59	4.19N	126.58E	41–5	5.2b,5.0s		
MOS	XII	23 12 52 24.4–3.0	4.20N	126.60E	33	5.2b,5.0s		
DJA	XII	23 12 52 26.3–.40	4N–3.0	127E–2.0	57–3	5.4b,5.4		
KLM	XII	23 12 52 30.0	4.09N	126.77E	109	5.2b,5.4		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c46; s54,c73;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.18 $M_{\theta\theta}$0.02±.12; $M_{\phi\phi}$-2.68±.15; $M_{r\theta}$-1.88±.31; $M_{\theta\phi}$-1.43±.09; $M_{\phi r}$1.95±.30; Best double couple: NP1:ϕ_s351.00000°,δ64.00000°,λ55.00000°. NP2:ϕ_s229.00000°,δ42.00000°,λ140.00000°. Principal axes: T 4.4420,Plg56.0000° ,Azm215.0000°; N -0.9120,Plg31.0000°,Azm8.0000°; P -3.5300,Plg12.0000°,Azm106.0000° M_o3.98600×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.8km az=168.0.
IDC Error ellipse: s-maj=15.3km s-min=8.0km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=78.0. Felt [III] in the Kepulauan Talaud.
MOS Error ellipse: s-maj=10.1km s-min=5.4km az=112.0.

(360) Black Sea

ISC	**XII**	**23 13 31 40.3–.48**	**42.44N–.02**	**41.06E–.02**	**13–2**	**5.6s,5.5b**	**1949**	**1-160**
BJI	XII	23 13 31 37.9	42.40N	41.10E	10	6.1s,5.7		**¶602057923**
TIF	XII	23 13 31 38.8	42.39N	40.91E	26–2	6.1s,5.7		
IDC	XII	23 13 31 38.2–.33	42.41N	41.04E	0	5.4,5.4s		
MOS	XII	23 13 31 38.2–.00	42.41N	41.02E	0–0	6.6,5.4s		
ISK	XII	23 13 31 39.6	42.32N	40.94E	9–0	5.5L,5.4s		
NEIC	XII	23 13 31 39.0–.00	42.52N	41.20E	11	5.5L,5.4s		
DDA	XII	23 13 31 39.7	42.24N	40.90E	13	5.5L,5.4s		
ISCJB	XII	23 13 31 39.3–.06	42.437N–.01	40.982E–.01	13	5.6s,5.4b		
NEIC	XII	23 13 31 40.8–.86	42.42N	41.08E	15–5	6.0L,5.7W		
GCMT	XII	23 13 31 40.9–.10	42.46N–.01	41.02E–.01	16–0	5.8W,5.7W		
GII	XII	23 13 31 42.7–.00	42.48N	41.06E	10	5.8W,5.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=8.1km s-min=6.1km az=159.0.
MOS Event type se. FELT I=V-VI MSK at Sochi, Adler, Dagomys, Khosta; V MSK at Tbilisi, Batumi; VI MSK at Gori, Ozurgeti; III MSK at Cherkessk, Karachaevsk, Zelenchukskaya.
ISK Event type ke.
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63 $M_{\theta\theta}$2.12 $M_{\phi\phi}$-3.75 $M_{r\theta}$2.62 $M_{\theta\phi}$1.72 $M_{\phi r}$0.47 Best double couple: NP1:ϕ_s127.00000° ,δ65.00000°,λ33.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ151.00000°. Principal axes: T 4.8100,Plg39.0000°,Azm346.0000°; N -0.5800,Plg49.0000°,Azm160.0000° ; P -4.2300,Plg2.0000°,Azm253.0000° M_o4.50000×10^{17}
DDA Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=12.7.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=185.0. Felt [V] at Bat'umi and [III] at Tbilisi. Also felt at Ganarjiis Mukhuri, Gori, K'ut'aisi, Ozurget'i, Sokhumi and Varcha. Felt [IV] at Sochi, Russia. Also felt at Krasnodar. Felt at Trabzon, Turkey. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$2.78 $M_{\phi\phi}$-2.86 $M_{r\theta}$0.64 $M_{\theta\phi}$1.69 $M_{\phi r}$0.25 Best double couple: NP1:ϕ_s120.00000°,δ81.00000°,λ7.00000°. NP2:ϕ_s29.00000° ,δ83.00000°,λ171.00000°. Principal axes: T 3.3800,Plg12.0000°,Azm344.0000° ; N -0.0500,Plg78.0000°,Azm171.0000°; P -3.3300,Plg1.0000°,Azm75.0000° M_o3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c205; s126,c376; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.05 $M_{\theta\theta}$5.31±.05; $M_{\phi\phi}$-4.87±.05; $M_{r\theta}$-1.34±.15; $M_{\theta\phi}$1.88±.04; $M_{\phi r}$0.45±.14; Best double couple: NP1:ϕ_s305.00000°,δ88.00000° ,λ14.00000°. NP2:ϕ_s214.00000°,δ76.00000°,λ178.00000°. Principal axes: T 5.8900,Plg11.0000°,Azm171.0000°; N -0.5940,Plg76.0000°,Azm313.0000° ; P -5.3040,Plg8.0000°,Azm79.0000° M_o5.59700×10^{17}
GII Event type ke.

(377) Spain

ISC	**XII**	**23 15 17 49.9–1.1**	**38.05N–.02**	**3.27W–.02**	**11–10**		**87**	**0-5**
ISCJB	XII	23 15 17 48.6–.33	38.12N–.02	3.37W–.02	0–2			**¶602056622**
MDD	XII	23 15 17 51.5–.16	38.04N	3.28W	4–1	2.5		
SFS	XII	23 15 17 51.0	38.04N	3.29W	4	2.5L		
CNRM	XII	23 15 17 52.2	37.99N	3.16W	30	3.1L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=2.6.
MDD Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=56.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).

(263) Talaud Islands

ISC	**XII**	**23 17 15 36.6–.40**	**4.18N–.04**	**126.75E–.06**	**36**	**4.3b,3.4s**	**93**	**3-123**
IDC	XII	23 17 15 31.0–.46	4.08N	126.55E	0	4.3,4.2		**¶602056626**
ISCJB	XII	23 17 15 34.5–.27	4.18N–.02	126.80E–.04	36	4.3b,3.4s		
NEIC	XII	23 17 15 37.9–.98	4.16N	126.74E	53–10	4.6b,3.4s		
DJA	XII	23 17 15 39.4–1.1	4N–3.0	127E–3.0	29–9	5.3b,4.7		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**XII**	**23 17 49 36.2–.47**	**3.76N–.04**	**126.32E–.06**	**10**	**4.2b**	**52**	**3-123**
IDC	XII	23 17 49 34.2–.60	4.04N	126.45E	0	4.3,4.1		**¶602064056**
MAN	XII	23 17 49 35.9	3.72N	126.37E	21	5.4b,4.5s		
NEIC	XII	23 17 49 42.2–.92	4.06N	126.65E	61–9	4.4b,4.5s		
DJA	XII	23 17 49 43.5–.50	4N–4.0	127E–4.0	117–8	4.9b,4.6		

ISC Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud.

(25) Vancouver Island region

ISC	**XII**	**23 19 08 39.1–2.1**	**50.73N–.04**	**129.71W–.05**	**15–13**	**4.2b,3.6s**	**198**	**1-97**
PGC	XII	23 19 08 34.9–1.2	50.50N	130.29W	10	4.5W,3.9		**¶602056891**
IDC	XII	23 19 08 36.7–.77	50.62N	129.92W	0	4.1,3.9		
NEIC	XII	23 19 08 38.6–.50	50.74N	129.79W	10	4.5W,4.2b		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 203km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=13.5km s-min=10.6km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=4.3km az=48.0. Felt at Port Hardy. Moment Tensor Solution. M_o6.70000×10^{15}

(377) Spain

ISC	**XII**	**23 19 30 33.1–1.0**	**38.07N–.02**	**3.28W–.02**	**11–9**		**85**	**0-5**
MDD	XII	23 19 30 33.3–.17	38.04N	3.28W	2–1	2.6		**¶602056892**
SFS	XII	23 19 30 33.0	38.05N	3.29W		2.6L		
CNRM	XII	23 19 30 36.6	37.81N	2.99W	4	3.2L		

ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=59.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).

(460) Wyoming

ISC	**XII**	**23 20 05 43.6–1.1**	**43.73N–.07**	**105.20W–.07**	**0**		**12**	**1-90**
IDC	XII	23 20 05 41.8–1.1	43.41N	105.27W	0	3.7b,3.4		**¶602391939**
ISCJB	XII	23 20 05 42.5–.64	43.73N–.06	105.25W–.09	0	3.6b,3.4		
NEIC	XII	23 20 05 44.0–.57	43.71N	105.23W	0	3.1L,3.4		

ISC Event type sm.
IDC Error ellipse: s-maj=21.7km s-min=9.4km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=9.5km s-min=8.6km az=27.9.
NEIC Event type fm. Error ellipse: s-maj=8.9km s-min=7.8km az=132.0. 69 km [43 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**XII**	**23 20 26 30.5–1.3**	**43.50N–.08**	**105.27W–.06**	**0**		**10**	**1-20**
IDC	XII	23 20 26 28.4–2.7	43.14N	105.30W	0	3.5,3.3		**¶602391940**
ISCJB	XII	23 20 26 29.4–.69	43.51N–.07	105.27W–.08	0	3.5,3.3		
NEIC	XII	23 20 26 30.6–.68	43.51N	105.27W	0	3.1L,3.3		

ISC Event type sm.
IDC Error ellipse: s-maj=51.9km s-min=8.9km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=10.2km s-min=7.8km az=159.2.
NEIC Event type fm. Error ellipse: s-maj=11.8km s-min=8.9km az=181.0. 83 km [51 miles] E of Midwest. Suspected Mining explosion.

(246) Southwestern Ryukyu Islands

ISC	**XII**	**23 21 51 59.2–.87**	**24.9N–.10**	**125.33E–.07**	**43–6**	**3.6b**	**26**	**0-81**
ISCJB	XII	23 21 51 58.3–.54	24.9N–.10	125.34E–.08	49–5	3.5b		**¶602391944**
JMA	XII	23 21 51 58.5–.10	24.83N	125.37E	49–1	3.6		
IDC	XII	23 21 51 58.0–.87	25.78N	125.03E	0	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=24.7km s-min=5.8km az=152.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=20.3km az=53.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**24 03 13 32.2–.96**	**35.94N–.04**	**140.15E–.06**	**69–8**	**3.6b**	**29**	**0-56**
IDC	XII	24 03 13 20.7–2.2	36.34N	141.04E	0	3.8L,3.7		**¶602391963**
ISCJB	XII	24 03 13 31.6–.57	35.93N–.04	140.13E–.06	76–4	3.4b,3.7		
JMA	XII	24 03 13 33.1–.10	35.99N	140.09E	62–1	3.3,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=57.8km s-min=22.2km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.9km az=167.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s1.00000°,δ65.00000°,λ82.00000°. NP2: ϕ_s199.00000°,δ26.00000°,λ107.00000°. Principal axes: T Plg69.0000°,Azm255.0000° ; N Plg7.0000°,Azm4.0000°; P Plg20.0000°,Azm97.0000°

(243) Taiwan region

ISC	**XII**	**24 03 17 52.0–.59**	**22.51N–.03**	**121.27E–.02**	**71–4**	**4.1b**	**278**	**0-84**
NIED	XII	24 03 17 00	22.50N	121.30E	74	4.5W		**¶602057609**
BJI	XII	24 03 17 49.1	22.68N	121.16E	7	4.3b,4.2L		
ISCJB	XII	24 03 17 51.1–.22	22.48N–.02	121.30E–.02	78–1	4.0b,4.2L		
JMA	XII	24 03 17 51.1–.20	22.47N	121.29E	66–3	4.5,4.2L		
NEIC	XII	24 03 17 51.9–.00	22.55N	121.32E	61	4.2b,4.2L		
ASIES	XII	24 03 17 51.9	22.55N	121.32E	85	4.1W,4.2L		
IDC	XII	24 03 17 52.4–2.2	22.41N	121.51E	85–21	4.2,3.9		
TAP	XII	24 03 17 52.1	22.53N	121.28E	68–0	5.0L,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ17.00000°,λ-100.00000°. NP2:ϕ_s296.00000°,δ73.00000°,λ-87.00000°. M_o5.75000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=138.0.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
NEIC Event type fe. Recorded [2 TAP] in Taitung. After TAP.
IDC Error ellipse: s-maj=17.0km s-min=13.1km az=93.0.
TAP B.

(135) Near coast of central Chile

ISC	**XII**	**24 05 08 37.0–1.0**	**33.93S–.03**	**72.11W–.05**	**14–6**	**4.8b,4.2s**	**425**	**1-175**
SJA	XII	24 05 08 30.9–.65	34.09S	73.01W	33	4.9L,4.3W		**¶602056929**
IDC	XII	24 05 08 35.0–.59	33.98S	71.99W	0	4.5,4.4		
GUC	XII	24 05 08 36.9–.39	34.01S	72.16W	22–7	4.8L,4.4		
ISCJB	XII	24 05 08 37.1–1.1	33.97S–.03	72.30W–.04	26–8	4.6b,4.2s		
NEIC	XII	24 05 08 37.5–1.1	33.97S	71.94W	12–7	4.8L,4.8b		

ISC Event type fe.
SJA Error ellipse: s-maj=10.0km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=16.7km az=60.0.
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=24.3.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=89.0. Felt [III] at El Monte, Isla de Maipo, Marchihue, Maria Pinto, Melipilla, Navidad, Paredones, Pichilemu, Santo Domingo and Villa Alhue; [II] at El Parral, El Tabo, Padre Hurtado, Rancagua, San Antonio, San Pedro, Santiago and Talca. Also felt at Conchali, Renca, Vitacura and Vina del Mar.

(118) Peru-Bolivia border region

ISC	**XII**	**24 05 31 34.4–.42**	**17.99S–.03**	**70.05W–.05**	**100–3**	**4.7b**	**540**	**1-170**
ISCJB	XII	24 05 31 31.8–.44	17.84S–.03	69.88W–.05	93–5	4.7b		**¶602056931**
NEIC	XII	24 05 31 33.8–.31	17.95S	69.91W	96–3	4.8b		
GUC	XII	24 05 31 34.6–.52	18.12S	70.27W	104–3	4.9L		
BJI	XII	24 05 31 35.5	17.90S	69.90W	92	4.9L		
IDC	XII	24 05 31 35.2–.57	17.87S	69.83W	99–4	4.6,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.6km az=154.7.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=72.0. Felt [III] at Tacna. Also felt at Pachia.

GUC Error ellipse: s-maj=5.2km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=11.0km az=58.0.

(218) Near east coast of Kamchatka Peninsula

KRSC	**XII**	**24 07 44 39.1–.99**	**54.80N**	**162.21E**	**56–21**	**4.4L**		
MOS	XII	24 07 44 40.3–.69	54.81N	162.24E	31	4.4b		¶602058324

KRSC Event type se. FELT [III] at GMS Kronoki.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=5.2km az=88.8. Felt (III) at Kronoki. Moment Tensor Solution.

(218) Near east coast of Kamchatka Peninsula

ISC	**XII**	**24 07 54 11.6–.47**	**54.85N–.03**	**162.10E–.03**	**40–3**	**5.2b,5.1s**	**1445**	**1-151**
BJI	XII	24 07 54 06.0	55.19N	161.75E	8	5.3s,5.2		¶602056937
KRSC	XII	24 07 54 08.5–1.0	54.75N	162.42E	47–20	5.9L,5.2		
NEIC	XII	24 07 54 10.0–.08	54.91N	162.03E	27	5.3W,5.2b		
IDC	XII	24 07 54 10.7–1.9	54.96N	161.96E	25–12	5.1,5.0		
MOS	XII	24 07 54 11.1–1.0	54.82N	162.19E	50	5.3b,5.0s		
ISCJB	XII	24 07 54 11.8–.24	54.85N–.02	162.09E–.02	54–2	5.1b,4.9s		
GCMT	XII	24 07 54 13.9–.10	54.87N–.01	162.48E–.01	31–0	5.4W,4.9s		

ISC Event type se.
KRSC Event type se. FELT [V] at GMS Kronoki; [II] at Pogodniy.
NEIC Event type se. Moment Tensor Solution. s91 Moment tensor: Scale 10^{16}Nm; M_{rr}7.56 $M_{\theta\theta}$-2.53 $M_{\phi\phi}$-5.03 $M_{r\theta}$2.48 $M_{\theta\phi}$-1.32 $M_{\phi r}$6.18 Best double couple: NP1:ϕ_s204.00000°,δ22.00000°,λ91.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ90.00000°. Principal axes: T 10.3000,Plg67.0000°,Azm291.0000°; N -2.0000,Plg0.0000°,Azm22.0000° ; P -8.4000,Plg23.0000°,Azm113.0000° M_o9.50000×10^{16}
MOS Event type fe. Felt (V) at Kronoki; (II) at Ust'-Kamchatsk. Moment Tensor Solution.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c200; s107,c197;Duration: 1$s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$-1.14±.02; $M_{r\theta}$0.48±.03; $M_{\theta\phi}$-0.61±.01; $M_{\phi r}$0.81±.03; Best double couple: NP1:ϕ_s29.00000°,δ62.00000°,λ93.00000°. NP2:ϕ_s202.00000°,δ28.00000°,λ84.00000°. Principal axes: T 1.6050,Plg73.0000° ,Azm306.0000°; N 0.1160,Plg3.0000°,Azm207.0000°; P -1.7250,Plg17.0000°,Azm117.0000° M_o1.66500×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	**XII**	**24 10 13 35.9–.35**	**54.87N–.03**	**162.08E–.04**	**40–4**	**4.6b,3.9s**	**482**	**1-139**
BJI	XII	24 10 13 30.0	55.29N	161.86E	9	5.0b,4.5b		¶602057613
KRSC	XII	24 10 13 34.2–1.3	54.83N	162.13E	60–20	5.1L,4.5b		
ISCJB	XII	24 10 13 36.2–.29	54.87N–.02	162.05E–.04	57–2	4.5b,3.9s		
MOS	XII	24 10 13 36.3–.98	54.89N	162.02E	59	4.8b,3.9s		
NEIC	XII	24 10 13 37.5–.38	54.98N	161.94E	51–3	4.6b,3.9s		
IDC	XII	24 10 13 37.2–2.5	54.99N	161.94E	44–23	4.5,4.4		

ISC Event type se.
KRSC Event type se. FELT [IV] at GMS Kronoki.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.3km az=39.1.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=3.3km az=87.9. Felt (IV) at Kronoki. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.3km az=159.0.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=150.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**XII**	**24 10 47 47.5–.98**	**54.85N–.03**	**162.18E–.04**	**51–9**	**4.3b,3.4s**	**276**	**1-85**
KRSC	XII	24 10 47 42.9–1.4	54.76N	162.45E	50–22	4.7L,3.4s		¶602057614
MOS	XII	24 10 47 45.6–.94	54.84N	162.23E	50	4.5b,3.4s		
ISCJB	XII	24 10 47 46.8–.39	54.87N–.02	162.13E–.06	57–3	4.3b,3.4s		
IDC	XII	24 10 47 47.7–2.8	54.99N	161.95E	44–27	4.1,4.1		
NEIC	XII	24 10 47 47.5–.66	55.00N	161.97E	45–6	4.3b,4.1		

ISC Event type se.
KRSC Event type se. FELT [III] at GMS Kronoki.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=3.7km az=87.4. Felt (III) at Kronoki. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.7km az=27.8.
IDC Error ellipse: s-maj=16.9km s-min=12.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=153.0.

(227) Eastern Honshu

ISC	**XII**	**24 11 26 10.5–1.3**	**36.85N–.05**	**138.54E–.04**	**5–12**		**16**	**0-60**
ISCJB	XII	24 11 26 09.8–.80	36.87N–.05	138.53E–.05	11–6	3.5b		¶602391992
IDC	XII	24 11 26 09.7–1.8	36.85N	138.57E	0	3.7,3.4b		
JMA	XII	24 11 26 10.9–.10	36.85N	138.57E	3–4	3.3,3.4b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.8km az=141.8.
IDC Error ellipse: s-maj=13.1km s-min=7.6km az=34.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s16.00000°,δ86.00000°,λ-6.00000°. NP2: ϕ_s106.00000°,δ84.00000°,λ-176.00000°. Principal axes: T Plg1.0000°,Azm61.0000° ; N Plg83.0000°,Azm159.0000°; P Plg7.0000°,Azm331.0000°

(135) Near coast of central Chile

ISC	**XII**	**24 12 12 35.9–.70**	**29.08S–.03**	**71.59W–.05**	**24–4**	**5.1b,4.8s**	**936**	**1-178**
IDC	XII	24 12 12 31.9–.37	29.01S	71.48W	0	5.0,5.0b		¶602057934
ISCJB	XII	24 12 12 35.1–.95	28.99S–.02	71.58W–.04	31–6	5.0b,4.8s		
NEIC	XII	24 12 12 35.3–.31	29.04S	71.49W	20–1	5.4L,5.1b		
MOS	XII	24 12 12 36.9–1.3	28.96S	71.39W	36	5.3b,4.7s		
GUC	XII	24 12 12 37.8–.61	29.17S	71.35W	58–4	5.5W,5.4L		
GCMT	XII	24 12 12 41.3–.20	29.01S–.01	71.79W–.02	41–0	5.2W,5.4L		
SJA	XII	24 12 12 42.1–.76	29.25S	71.35W	75	5.4W,5.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=18.0km s-min=11.5km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.6km az=170.6.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.0km az=80.0. Felt [IV] at Coquimbo and La Serena; [III] at Alto del Carmen, Copiapo, La Higuera, Huasco, Tierra Amarilla and Vallenar; [II] at Andacollo, Paiguano and Vicuna.
MOS Error ellipse: s-maj=11.5km s-min=6.2km az=103.2.
GUC Error ellipse: s-maj=2.8km s-min=5.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c95; s87,c136;Duration: 1$s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-0.78±.02; $M_{r\theta}$-0.29±.02; $M_{\theta\phi}$-0.24±.01; $M_{\phi r}$-0.16±.02; Best double couple: NP1:ϕ_s214.00000°,δ57.00000°,λ115.00000°. NP2:ϕ_s353.00000°,δ41.00000°,λ57.00000°. Principal axes: T 0.7990,Plg68.0000° ,Azm175.0000°; N 0.0800,Plg21.0000°,Azm19.0000°; P -0.8780,Plg8.0000°,Azm286.0000° M_o0.83900×10^{17}
SJA Error ellipse: s-maj=4.7km s-min=5.9km az=-1.0.

(263) Talaud Islands

ISC	**XII**	**24 12 58 20.6–.58**	**4.14N–.03**	**126.63E–.04**	**25–3**	**5.0b,4.4s**	**550**	**2-161**
BJI	XII	24 12 58 13.4	3.65N	126.75E	17	5.2b,4.9b		¶602057936
NEIC	XII	24 12 58 20.2–.92	4.15N	126.68E	25–6	5.1b,4.9b		
IDC	XII	24 12 58 20.1–2.0	4.17N	126.63E	20–11	4.7,4.7		
MOS	XII	24 12 58 20.3–1.1	4.21N	126.61E	33	5.3b,4.7		
MAN	XII	24 12 58 20.0	3.89N	126.60E	50	5.7b,5.0s		
ISCJB	XII	24 12 58 21.4–.41	4.15N–.02	126.69E–.03	48–3	5.0b,4.3s		
KLM	XII	24 12 58 22.0	4.26N	127.05E	47	5.1b,4.3s		
GCMT	XII	24 12 58 22.2–.20	4.20N–.02	126.66E–.03	27–0	5.1W,4.3s		
DJA	XII	24 12 58 25.2–.30	4N–3.0	127E–2.0	60–3	5.4b,5.3		

ISC Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c53; s78,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.44±.25 $M_{\theta\theta}$-0.89±.14; $M_{\phi\phi}$-3.55±.18; $M_{r\theta}$2.02±.33; $M_{\theta\phi}$-2.34±.11; $M_{\phi r}$-1.02±.35; Best double couple: NP1:ϕ_s53.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_s188.00000°,δ49.00000°,λ57.00000°. Principal axes: T 5.4630,Plg66.0000° ,Azm29.0000°; N -0.5520,Plg24.0000°,Azm211.0000°; P -4.9140,Plg1.0000°,Azm121.0000° M_o5.18900×10^{16}

(78) Costa Rica

ISC	**XII**	**24 16 49 13.1–1.1**	**10.09N–.05**	**85.55W–.04**	**15–6**	**4.4b,3.5s**	**85**	**0-151**
IDC	XII	24 16 49 10.0–1.9	10.85N	84.32W	0	4.2,3.9		¶602057944
UCR	XII	24 16 49 12.9–1.9	9.97N	85.60W	4–4	4.4b,4.0L		
NEIC	XII	24 16 49 17.2–1.1	10.15N	85.36W	51–7	4.8,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=39.4km s-min=10.1km az=124.0.
UCR Error ellipse: s-maj=4.5km s-min=3.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.2km s-min=10.2km az=209.0. Felt in Guanacaste.

(2) Southern Alaska

ISC	**XII**	**24 17 28 24.2–.52**	**61.26N–.03**	**150.80W–.03**	**63–4**	**4.3b**	**206**	**0-147**
ISCJB	XII	24 17 28 23.6–.16	61.30N–.02	150.82W–.03	70–1	4.3b		¶602057945
NEIC	XII	24 17 28 25.2–.00	61.24N	150.76W	61	4.4b,4.2W		
IDC	XII	24 17 28 25.2–.86	61.42N	150.91W	70–7	4.2,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=164.9.
NEIC Event type fe. Felt [III] at Anchorage and [II] at Girdwood, Palmer and Trapper Creek. Also felt at Chugiak, Eagle River, Elmendorf AFB, Soldotna, Tyonek, Wasilla and Willow. After AEIC. Moment Tensor Solution. M_o2.40000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=9.2km az=25.0.

(460) Wyoming

ISC	**XII**	**24 20 00 42.1–.70**	**43.80N–.04**	**105.40W–.05**	**0**	**4.3b**	**64**	**1-78**
ISCJB	XII	24 20 00 41.7–.36	43.76N–.03	105.25W–.05	0	4.2b		¶602374111
IDC	XII	24 20 00 41.6–1.6	43.74N	105.52W	0	4.1b,3.7		
NEIC	XII	24 20 00 43.8–1.8	43.71N	105.30W	0–2	3.5L,3.7		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=4.4km az=3.9.
IDC Error ellipse: s-maj=54.1km s-min=8.2km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=14.0km s-min=8.7km az=96.0. 67 km [41 miles] SSE of Gillette. Suspected Mining explosion.

(456) Montana

ISC	**XII**	**24 20 45 00.3–.97**	**45.89N–.04**	**107.11W–.04**	**0**		**36**	**1-17**
ISCJB	XII	24 20 45 02.9–.57	45.75N–.04	106.86W–.07	0			¶602374109
IDC	XII	24 20 45 02.3–1.4	44.46N	105.66W	0	3.1,3.0		
NEIC	XII	24 20 45 02.8–.58	45.79N	106.87W	0	3.1L,3.0		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=6.3km az=172.7.
IDC Error ellipse: s-maj=21.8km s-min=9.4km az=145.0.
NEIC Event type fm. Error ellipse: s-maj=7.2km s-min=7.0km az=148.0. 22 km [14 miles] WSW of Colstrip. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**XII**	**24 21 54 47.8–1.6**	**36.96N–.04**	**141.41E–.05**	**5–9**	**3.8b,3.2s**	**41**	**1-90**
NIED	XII	24 21 54 00	36.90N	141.40E	5	3.9W,3.2s		¶602392021
ISCJB	XII	24 21 54 47.9–.94	36.91N–.03	141.47E–.06	19–6	3.9b,3.2s		
JMA	XII	24 21 54 48.5–.10	36.91N	141.42E	31–1	4.2,3.2s		
IDC	XII	24 21 54 53.5–2.2	36.88N	141.37E	50–21	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ42.00000°,λ-80.00000°. NP2:ϕ_s14.00000°,δ49.00000°,λ-99.00000°. M_o9.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.7km az=11.4.
JMA Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=12.9km az=67.0.

(2) Southern Alaska

ISC	**XII**	**25 03 43 29.7–.24**	**61.46N–.02**	**147.31W–.02**	**21–2**	**4.7b,3.5s**	**914**	**0-151**
MOS	XII	25 03 43 25.8–.88	61.50N	147.55W	10	4.9b,3.5s		¶602058095
BJI	XII	25 03 43 27.1	61.30N	147.40W	18	5.0b,4.7b		
IDC	XII	25 03 43 29.6–.68	61.47N	147.61W	24–3	4.5,4.5		
ISCJB	XII	25 03 43 31.0–.15	61.40N–.01	147.46W–.03	52–1	4.7b,3.5s		
NEIC	XII	25 03 43 32.5–.00	61.30N	147.44W	37	4.7b,4.4L		
AEIC	XII	25 03 43 32.5	61.30N	147.44W	37	4.7b,4.4L		

ISC Event type fe.
MOS Error ellipse: s-maj=10.7km s-min=4.5km az=97.9.
IDC Error ellipse: s-maj=17.0km s-min=8.3km az=39.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=34.0.
NEIC Event type fe. Felt [III] at Glennallen and [II] at Anchorage and Valdez. Also felt at Chugiak, Cordova, Eagle River, Girdwood, Moose Pass, Palmer, Wasilla and Willow. After AEIC.

(266) Northern Molucca Sea

ISC	**XII**	**25 07 34 42.3–.36**	**1.10N–.03**	**125.52E–.04**	**62–2**	**5.4b**	**896**	**2-164**
MOS	XII	25 07 34 38.2–1.0	1.16N	125.32E	37	5.5b,4.0s		¶602058098
BJI	XII	25 07 34 40.6	1.10N	125.50E	62	5.3b,5.1b		
IDC	XII	25 07 34 41.6–.55	1.10N	125.37E	54–4	5.1,4.9		
NEIC	XII	25 07 34 41.2–.37	1.11N	125.46E	52–3	5.4b,4.9		
ISCJB	XII	25 07 34 44.2–.34	1.09N–.02	125.52E–.02	95–3	5.2b,4.9		
GCMT	XII	25 07 34 44.2–.10	1.02N–.01	125.61E–.01	67–1	5.2W,4.9		
DJA	XII	25 07 34 45.1–.20	1N–2.0	126E–1.0	85–2	5.7,5.6b		
KLM	XII	25 07 34 46.0	1.01N	125.69E	94	5.3b,5.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=111.5.
IDC Error ellipse: s-maj=13.7km s-min=9.0km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=63.0. Felt [III] at Bitung and Manado, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=164.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c142; s117,c191;Duration: 1$s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-0.16±.01; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.43±.01; Best double couple: NP1:ϕ_s22.00000°,δ60.00000°,λ79.00000°. NP2:ϕ_s222.00000°,δ32.00000°,λ108.00000°. Principal axes: T 0.8690,Plg73.0000° ,Azm265.0000°; N 0.0740,Plg9.0000°,Azm27.0000°; P -0.9430,Plg14.0000°,Azm119.0000° M_o0.90600×10^{17}

(238) Ryukyu Islands

ISC	**XII**	**25 12 25 59.0–.91**	**29.28N–.04**	**130.01E–.06**	**53–9**	**3.9b,3.2s**	**42**	**1-77**
NIED	XII	25 12 25 00	29.30N	129.90E	56	4.5W,3.2s		¶602380586
ISCJB	XII	25 12 25 58.1–.33	29.32N–.03	129.94E–.06	60–4	3.9b,3.3s		
JMA	XII	25 12 25 58.3–.10	29.34N	129.93E	59–2	4.0,3.3s		
IDC	XII	25 12 26 00.7–1.5	29.25N	129.82E	70–16	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ9.00000°,λ103.00000°. NP2:ϕ_s29.00000°,δ81.00000°,λ88.00000°. M_o7.10000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=3.3km az=25.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=11.5km az=110.0.

(211) Southeast of Honshu

ISC	**XII**	**25 17 08 15.2–.31**	**32.03N–.03**	**137.97E–.03**	**370–2**	**4.9b**	**1405**	**2-165**
NIED	XII	25 17 08 00	32.10N	138.20E	380	5.2W		¶602058393
JMA	XII	25 17 08 13.7–.30	32.09N	138.20E	397–3	5.1		
BJI	XII	25 17 08 14.3	32.03N	137.82E	371	5.1b,5.1b		
MOS	XII	25 17 08 14.2–.93	32.01N	137.89E	369	5.1b,5.1b		
ISCJB	XII	25 17 08 14.8–.16	31.97N–.02	137.89E–.02	375–1	4.8b,5.1b		
NEIC	XII	25 17 08 14.8–.09	31.98N	137.85E	365	4.9b,5.1b		
IDC	XII	25 17 08 15.1–.51	32.00N	137.91E	365–4	5.2,4.6		
GCMT	XII	25 17 08 16.8–.30	31.98N–.03	137.62E–.04	378–2	5.2W,4.6		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ12.00000°,λ-141.00000°. NP2:ϕ_s21.00000°,δ82.00000°,λ-80.00000°. M_o7.30000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ82.00000°,λ-73.00000°. NP2:ϕ_s127.00000°,δ19.00000°,λ-155.00000°. Principal axes: T Plg35.0000°,Azm88.0000°; N Plg17.0000°,Azm190.0000°; P Plg50.0000° ,Azm302.0000°
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Tochigi and Tokyo, Honshu.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c81;Duration: 1$s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03±.25 $M_{\theta\theta}$0.25±.37; $M_{\phi\phi}$1.78±.35; $M_{r\theta}$-3.47±.36; $M_{\theta\phi}$-0.76±.36; $M_{\phi r}$-7.74±.32; Best double couple: NP1: ϕ_s22.00000°,δ85.00000°,λ-83.00000°. NP2:ϕ_s147.00000°,δ9.00000°,λ-144.00000°. Principal axes: T 8.1730,Plg39.0000°,Azm106.0000°; N 1.0240,Plg7.0000°,Azm202.0000° ; P -9.1960,Plg50.0000°,Azm300.0000° M_o8.68400×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**25 19 59 05.6–.77**	**40.10N–.04**	**142.04E–.06**	**66–6**	**4.0b**	**64**	**0-90**
NIED	XII	25 19 59 00	40.10N	142.00E	62	4.0W		¶602058846
ISCJB	XII	25 19 59 04.5–.47	40.11N–.03	142.04E–.07	73–2	3.8b		
IDC	XII	25 19 59 05.8–2.0	40.09N	141.96E	70–17	4.0,3.9		
JMA	XII	25 19 59 05.6	40.08N	142.02E	65–1	4.1,3.9		
NEIC	XII	25 19 59 07.3–1.1	40.20N	142.09E	96–17	4.0b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ38.00000°,λ172.00000°. NP2:ϕ_s213.00000°,δ85.00000°,λ52.00000°. M_o1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=13.5.
IDC Error ellipse: s-maj=19.5km s-min=12.1km az=108.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s202.00000°,δ82.00000°,λ51.00000°. NP2:ϕ_s103.00000°,δ39.00000°,λ168.00000°. Principal axes: T Plg40.0000°,Azm77.0000°; N Plg38.0000°,Azm208.0000°; P Plg27.0000° ,Azm322.0000°

NEIC Event type fe. Error ellipse: s-maj=22.1km s-min=8.8km az=113.0. Recorded [3 JMA] in Aomori.

(360) Black Sea

ISC	**XII**	**25 22 44 33.6–.47**	**42.46N–.02**	**40.98E–.02**	**13–2**	**5.2b,5.0s**	**1616**	**1-159**
AZER	XII	25 22 44 30.9–1.4	43.01N	40.75E	6	5.7L,4.7s		**¶602058478**
IDC	XII	25 22 44 31.4–.36	42.48N	40.94E	0	5.0,5.0		
BJI	XII	25 22 44 31.9	42.42N	41.13E	6	5.4s,5.3b		
ISK	XII	25 22 44 31.5	42.43N	40.95E	9–0	5.4L,5.3b		
MOS	XII	25 22 44 32.6–.00	42.46N	41.07E	7–0	5.4L,5.3b		
TIF	XII	25 22 44 32.4	42.41N	40.87E	34–1	5.4L,5.3b		
ISCJB	XII	25 22 44 33.1–.06	42.451N–.01	40.872E–.01	19	5.2b,5.0s		
NEIC	XII	25 22 44 33.5–.12	42.44N	40.97E	10	5.4L,5.3b		
DDA	XII	25 22 44 34.5	42.17N	40.99E	7	5.4L,5.3b		
GCMT	XII	25 22 44 34.5–.10	42.51N–.01	40.95E–.01	16–0	5.4W,5.3b		
GII	XII	25 22 44 34.6–.00	42.44N	41.02E	14	5.4W,5.3b		
NNC	XII	25 22 44 42.1–9.1	42.71N	41.87E	31–68	5.3b,5.3b		

ISC Event type fe.
AZER Error ellipse: s-maj=16.3km s-min=13.3km az=68.0.
IDC Error ellipse: s-maj=8.1km s-min=5.8km az=152.0.
ISK Event type ke.
MOS Event type se. FELT I=V-VI MSK at Poti; V MSK at Sochi, Gagra, Batumi; III MSK at Cherkessk, Karachaevsk.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=6.9.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=162.0. Felt [III] at Bat'umi. Also felt at Gagra, K'ut'aisi, P'ot'i, Sokhumi, Varcha and Zugdidi. Felt [IV] at Sochi, Russia. Also felt at Kislovodsk. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05 $M_{\theta\theta}$7.05 $M_{\phi\phi}$-7.10 $M_{r\theta}$3.78 $M_{\theta\phi}$3.37 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s31.00000°,δ65.00000° ,λ174.00000°. NP2:ϕ_s123.00000°,δ85.00000°,λ25.00000°. Principal axes: T 9.1600,Plg21.0000°,Azm350.0000°; N -0.8500,Plg64.0000°,Azm134.0000° ; P -8.3000,Plg14.0000°,Azm254.0000° $M_0$8.80000×10^{16}
DDA Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c130; s114,c222;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$1.35±.02; $M_{\phi\phi}$-1.27±.02; $M_{r\theta}$-0.17±.06; $M_{\theta\phi}$0.63±.02; $M_{\phi r}$-0.05±.05; Best double couple: NP1:ϕ_s212.00000°,δ86.00000°,λ175.00000°. NP2:ϕ_s302.00000°,δ85.00000°,λ4.00000°. Principal axes: T 1.5130,Plg6.0000° ,Azm167.0000°; N -0.1000,Plg84.0000°,Azm353.0000°; P -1.4140,Plg1.0000° ,Azm257.0000° $M_0$1.46400×10^{17}
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=43.6km s-min=37.5km az=94.0.

(360) Black Sea

ISC	**XII**	**25 22 55 49.3–1.1**	**42.42N–.02**	**40.92E–.02**	**0–7**	**4.2b**	**323**	**1-88**
NNC	XII	25 22 55 45.5–9.3	42.79N	40.51E	0	4.7b		**¶602058479**
AZER	XII	25 22 55 47.1–1.5	43.08N	40.53E	5	4.9L		
ISCJB	XII	25 22 55 48.6–.44	42.49N–.01	40.81E–.02	1–3	4.8s,4.2b		
ISK	XII	25 22 55 49.4	42.44N	40.94E	5–0	4.4L,4.2b		
IDC	XII	25 22 55 49.5–.55	42.49N	40.94E	0	4.4L,4.2		
MOS	XII	25 22 55 49.4–.00	42.45N	40.98E	1–0	5.4,4.2		
TIF	XII	25 22 55 49.7	42.40N	40.90E	23–2	5.4,4.2		
DDA	XII	25 22 55 50.7	42.32N	41.04E	9	4.4L,4.2		
BJI	XII	25 22 55 50.2	42.50N	40.90E	10	5.0b,4.7		
NEIC	XII	25 22 55 50.8–.28	42.47N	40.96E	10	4.4L,4.4b		

ISC Event type fe.
NNC Event type se. Error ellipse: s-maj=82.3km s-min=51.2km az=80.0.
AZER Error ellipse: s-maj=29.3km s-min=10.3km az=12.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.9km az=170.3.
ISK Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.2km az=156.0.
MOS Event type se.
DDA Event type ke.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.4km az=191.0. Felt at Bat'umi, Sokhumi and Varcha.

(243) Taiwan region

ISC	**XII**	**26 02 06 37.8–.56**	**23.94N–.02**	**122.52E–.01**	**31–3**	**4.8b,4.1s**	**577**	**1-160**
NIED	XII	26 02 06 00	23.90N	122.50E	35	4.7W,4.1s		**¶602058482**
MOS	XII	26 02 06 36.8–.93	24.12N	122.72E	38	5.0b,4.1s		
BJI	XII	26 02 06 36.8	24.03N	122.36E	20	4.8b,4.6b		
TAP	XII	26 02 06 37.5	23.96N	122.46E	25–0	4.9L,4.6b		
NEIC	XII	26 02 06 37.1–.86	24.04N	122.55E	25–6	5.0b,4.9L		
JMA	XII	26 02 06 37.2–.20	23.93N	122.45E	22–4	4.8,4.9L		
IDC	XII	26 02 06 37.6–3.7	24.15N	122.60E	26–24	4.5,4.5		
ISCJB	XII	26 02 06 38.2–.18	23.95N–.01	122.49E–.01	46–1	4.7b,4.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s315.00000°,δ18.00000°,λ160.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ73.00000°. $M_0$1.20000×10^{16}
TAP D.
NEIC Event type fe. Recorded [1 TAP] in Hualien, Taitung and Yilan.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

JMA	**XII**	**26 02 30 50.3**	**38.70N**	**142.00E**	**52–1**	**3.5**		**¶606077686**

JMA Event type fe.

(228) Near east coast of eastern Honshu

JMA	**XII**	**26 07 20 52.7–.20**	**35.79N**	**140.93E**	**14–1**	**3.6**		
NIED	XII	26 07 20 00	35.80N	141.00E	20	3.4W		**¶603719130**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ46.00000°,λ-47.00000°. NP2:ϕ_s338.00000°,δ58.00000°,λ-125.00000°. $M_0$1.43000×10^{14}

(124) Chile-Bolivia border region

ISC	**XII**	**26 09 46 42.4–.54**	**21.12S–.04**	**68.50W–.06**	**122–5**	**4.5b**	**144**	**1-168**
ISCJB	XII	26 09 46 41.2–.32	21.11S–.02	68.53W–.05	123–3	4.5b		**¶602058851**
IDC	XII	26 09 46 41.4–.96	20.97S	68.43W	108–10	4.6,4.3		
NEIC	XII	26 09 46 42.0–.33	21.10S	68.48W	115–3	4.5b,4.4L		
GUC	XII	26 09 46 42.1–.69	21.09S	68.83W	132–3	4.4L,4.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.9km az=177.3.
IDC Error ellipse: s-maj=14.8km s-min=10.3km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=82.0. Felt [II] at Alto Hospicio and Iquique.
GUC Error ellipse: s-maj=1.2km s-min=4.7km az=-1.0.

(227) Eastern Honshu

ISC	**XII**	**26 11 44 41.1–1.1**	**36.83N–.03**	**138.68E–.03**	**5–7**	**3.7b,3.0s**	**45**	**0-149**
NIED	XII	26 11 44 00	36.80N	138.70E	5	4.1W,3.0s		**¶602380637**
ISCJB	XII	26 11 44 40.5–.48	36.84N–.03	138.66E–.04	12–3	3.7b,3.0s		
IDC	XII	26 11 44 40.6–.51	36.88N	138.60E	0	3.9,3.9		
JMA	XII	26 11 44 41.3	36.81N	138.70E	5–3	3.8,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ63.00000°,λ-179.00000°. NP2:ϕ_s337.00000°,δ89.00000°,λ-27.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.0km az=31.9.
IDC Error ellipse: s-maj=15.1km s-min=6.4km az=123.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s332.00000°,δ73.00000°,λ-20.00000°. NP2: ϕ_s68.00000°,δ71.00000°,λ-162.00000°. Principal axes: T Plg1.0000°,Azm20.0000° ; N Plg64.0000°,Azm112.0000°; P Plg26.0000°,Azm290.0000°

(135) Near coast of central Chile

ISC	**XII**	**26 13 17 57.9–.96**	**37.33S–.03**	**73.41W–.06**	**32–6**	**5.5b,5.1s**	**973**	**1-177**
GUC	XII	26 13 17 56.2–.46	37.35S	73.70W	33–28	5.3W,5.2L		**¶602058915**
NEIC	XII	26 13 17 57.3–.96	37.27S	73.27W	29–6	5.5b,5.3W		
ISCJB	XII	26 13 17 57.9–.56	37.21S–.02	73.22W–.06	44–5	5.4b,5.1s		
MOS	XII	26 13 17 58.3–1.2	37.14S	73.27W	41	5.7b,5.2s		
GCMT	XII	26 13 17 58.3–.20	37.41S–.01	73.78W–.02	25–0	5.4W,5.2s		
IDC	XII	26 13 17 59.8–2.4	37.30S	73.23W	43–21	5.0,4.9		

ISC Event type fe.
GUC Error ellipse: s-maj=15.6km s-min=7.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=78.0. Felt [V] at Arauco and Tome; [IV] at Cauquenes, Cobquecura, Collipulli, Concepcion, La Laja, Los Sauces and Renaico; [III] at Angol, Constitucion, Ercilla, Linares, Longavi, Parral, Puren, Tirua, Victoria and Villa Alegre; [II] at Carahue, Curico, Lumaco, Maule and San Clemente. Also felt at Chillan and Temuco. Moment Tensor Solution. s26 Moment tensor: Scale 10^{16}Nm; M_{rr}6.72 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-7.41 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.95 $M_{\phi r}$-4.70 Best double couple: NP1:ϕ_s178.00000° ,δ62.00000°,λ94.00000°. NP2:ϕ_s349.00000°,δ29.00000°,λ82.00000°. Principal axes: T 8.1500,Plg73.0000°,Azm98.0000°; N 0.7600,Plg4.0000°,Azm355.0000° ; P -8.9100,Plg17.0000°,Azm264.0000° $M_0$8.60000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.8km az=173.7.
MOS Error ellipse: s-maj=13.9km s-min=6.2km az=94.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c127; s99,c162;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-1.23±.06; Best double couple: NP1:ϕ_s182.00000°,δ73.00000°,λ89.00000°. NP2:ϕ_s4.00000°,δ17.00000°,λ92.00000°. Principal axes: T 1.4610,Plg62.0000°,Azm91.0000° ; N 0.0470,Plg1.0000°,Azm182.0000°; P -1.5080,Plg28.0000°,Azm273.0000° $M_0$1.48400×10^{17}
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=85.0.

(277) Jawa

ISC	**XII**	**26 16 12 41.7–.80**	**8.07S–.04**	**107.44E–.04**	**54–7**	**4.6b,3.3s**	**348**	**1-154**
ISCJB	XII	26 16 12 41.3–.44	8.07S–.04	107.50E–.03	67–3	4.5b,3.3s		**¶602058918**
IDC	XII	26 16 12 41.2–3.5	7.72S	107.60E	38–28	4.8L,4.4		
NEIC	XII	26 16 12 41.3–.62	7.89S	107.44E	48–5	4.6b,4.4		
DJA	XII	26 16 12 41.5–.40	8S–3.0	108E–2.0	17–3	5.2b,4.8b		
KLM	XII	26 16 12 45.0	8.13S	107.58E	39	4.7b,4.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=24.5.
IDC Error ellipse: s-maj=23.2km s-min=13.0km az=51.0.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.4km az=214.0. Felt [III] at Pangandaran and [II] at Bandung.

(136) Central Chile

ISC	**XII**	**26 18 39 49.9–2.0**	**29.14S–.04**	**71.87W–.07**	**2–11**	**4.4b**	**55**	**1-150**
IDC	XII	26 18 39 51.3–1.1	29.41S	71.23W	0	4.3b,4.1		**¶602380604**
SJA	XII	26 18 39 55.0–.62	29.40S	71.60W	10	4.5L,3.7W		
GUC	XII	26 18 39 58.3–.52	29.26S	70.99W	67–4	4.3L,3.7W		
NEIC	XII	26 18 39 58.0–.00	29.26S	70.99W	67	4.3L,3.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=40.5km s-min=22.7km az=115.0.
SJA Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=12.3km az=-1.0.
NEIC Event type fe. Felt [III] at La Higuera and [II] at Coquimbo, La Serena, Paiguano and Vallenar. After GUC.

(228) Near east coast of eastern Honshu

JMA	**XII**	**26 19 01 00.3–.10**	**37.52N**	**141.46E**	**49–1**	**3.5**		
NIED	XII	26 19 01 00	37.50N	141.50E	68	3.6W		**¶603719341**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ43.00000°,λ65.00000°. NP2:ϕ_s237.00000°,δ52.00000°,λ111.00000°. $M_0$3.19000×10^{14}

(460) Wyoming

ISC	**XII**	**26 20 03 41.8–.80**	**43.76N–.05**	**105.37W–.05**	**0**		**73**	**1-68**
IDC	XII	26 20 03 41.0–.96	43.70N	105.50W	0	3.6b,3.5		**¶602380605**
ISCJB	XII	26 20 03 41.1–.37	43.75N–.03	105.27W–.04	0	3.6b,3.5		
NEIC	XII	26 20 03 42.3–.37	43.79N	105.26W	0	3.2L,2.9		

ISC Event type sm.
IDC Error ellipse: s-maj=21.2km s-min=8.5km az=147.0.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=4.1km az=144.9.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.7km az=74.0. 59 km [37 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**XII**	**26 20 07 48.0–1.9**	**38.64N–.05**	**142.0E–.10**	**43–12**	**3.7b**	**28**	**0-62**
JMA	XII	26 20 07 49.1	38.64N	141.91E	48–1	3.6		**¶602380657**
IDC	XII	26 20 07 52.2–2.4	39.24N	140.50E	0	3.7,3.6		

ISC Event type ke.
JMA Event type fe.
IDC Error ellipse: s-maj=74.4km s-min=20.5km az=70.0.

(408) Ascension Island region

ISC	**XII**	**26 20 24 27.6–.30**	**10.33S–.05**	**13.13W–.06**	**14**	**5.1b,4.9s**	**436**	**2-152**
IDC	XII	26 20 24 25.3–.41	10.43S	13.14W	0	4.7,4.6		**¶602059073**
MOS	XII	26 20 24 25.1–.91	10.39S	13.15W	10	5.4b,4.8s		
BJI	XII	26 20 24 25.3	10.40S	13.20W	9	5.4b,5.2b		
NEIC	XII	26 20 24 26.6–.20	10.41S	13.13W	10	5.3b,4.9s		
ISCJB	XII	26 20 24 26.0–.20	10.44S–.04	13.04W–.03	14	5.0b,4.8s		
GCMT	XII	26 20 24 28.6–.10	10.45S–.01	13.09W–.01	12	5.2W,4.8s		

ISC Event type fe.
NEIC Event type fe. Felt at Georgetown.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c95; s120,c203;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$0.73±.01; $M_{r\theta}$0.19±.04; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$-0.16±.03; Best double couple: NP1:ϕ_s335.00000°,δ53.00000° ,λ-101.00000°. NP2:ϕ_s174.00000°,δ39.00000°,λ-75.00000°. Principal axes: T 0.8150,Plg7.0000°,Azm73.0000°; N 0.0300,Plg9.0000°,Azm342.0000° ; P -0.8450,Plg78.0000°,Azm201.0000° $M_0$0.83000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XII**	**26 21 17 29.5–.89**	**35.87N–.04**	**140.87E–.06**	**29–6**	**3.8b**	**32**	**0-148**
NIED	XII	26 21 17 00	35.90N	141.00E	38	4.1W		**¶602380664**
ISCJB	XII	26 21 17 28.5–.61	35.84N–.04	140.90E–.07	36–5	3.6b		
JMA	XII	26 21 17 28.6–.20	35.86N	140.91E	34–1	3.6		
IDC	XII	26 21 17 31.1–2.2	35.79N	140.82E	44–21	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s318.00000°,δ27.00000°,λ-122.00000°. NP2:ϕ_s173.00000°,δ67.00000°,λ-75.00000°. $M_0$1.75000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.1km az=157.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=9.5km az=69.0.

(456) Montana

ISC	**XII**	**26 21 38 12.0–.82**	**45.11N–.04**	**106.93W–.03**	**0**		**22**	**2-9**
ISCJB	XII	26 21 38 14.9–.55	45.21N–.04	106.95W–.06	0			**¶602380665**
NEIC	XII	26 21 38 14.8–.66	45.16N	106.93W	0	2.5		
IDC	XII	26 21 38 14.2–1.1	44.71N	106.51W	0	3.6,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.2km az=143.3.
NEIC Event type fm. Error ellipse: s-maj=11.0km s-min=8.4km az=143.0. 40 km [25 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=81.5km s-min=8.3km az=139.0.

(460) Wyoming

ISC	**XII**	**26 22 04 35.1–.94**	**43.52N–.04**	**105.18W–.04**	**0**		**22**	**1-20**
IDC	XII	26 22 04 35.6–2.1	43.38N	105.24W	0	3.2,3.1		**¶602380667**
ISCJB	XII	26 22 04 36.2–.62	43.52N–.04	105.15W–.05	0	3.2,3.1		
NEIC	XII	26 22 04 37.4–.58	43.51N	105.16W	0	2.6,3.1		

ISC Event type sm.
IDC Error ellipse: s-maj=41.2km s-min=9.5km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.2km az=147.1.
NEIC Event type fm. Error ellipse: s-maj=8.5km s-min=7.5km az=149.0. 86 km [53 miles] NNE of Douglas. Suspected Mining explosion.

(134) Off coast of central Chile

ISC	**XII**	**27 00 37 07.9–.23**	**35.79S–.03**	**73.32W–.05**	**10**	**5.6s,5.1b**	**769**	**1-178**
GUC	XII	27 00 37 05.3–.64	35.85S	73.73W	30–5	5.2L,5.1W		**¶602059082**
ISCJB	XII	27 00 37 06.1–.13	35.74S–.02	73.38W–.03	10	5.6s,5.0b		
IDC	XII	27 00 37 06.2–.40	35.80S	73.39W	0	5.5,5.5s		
MOS	XII	27 00 37 08.3–1.2	35.73S	73.30W	18	5.7s,5.3b		
NEIC	XII	27 00 37 08.8–1.6	35.78S	73.26W	14–9	5.9W,5.7W		
NEIC	XII	27 00 37 10.0–.00	35.87S	73.52W	13	5.9W,5.7W		
BJI	XII	27 00 37 11.0	35.70S	73.20W	23	5.8,5.8s		
GCMT	XII	27 00 37 11.8–.10	35.89S–.01	73.77W–.01	12	5.8W,5.8s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Cobquecura; [IV] at Cauquenes, Chillan, Concepcion, Constitucion, Longavi, Quirihue, San Pedro de la Paz and Tome; [III] at Chanco, Colbun, Lebu, Linares, Maule, Pelarco, Pelluhue, Retiro, Talca and Talcahuano; [II] at Pencahue. Also felt at Los Angeles and Santiago. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}2.65 $M_{\theta\theta}$0.85 $M_{\phi\phi}$-3.49 $M_{r\theta}$-0.71 $M_{\theta\phi}$0.26 $M_{\phi r}$-2.80 Best double couple: NP1:ϕ_s191.00000° ,δ67.00000°,λ104.00000°. NP2:ϕ_s338.00000°,δ26.00000°,λ60.00000°. Principal axes: T 3.9200,Plg65.0000°,Azm124.0000°; N 0.6600,Plg13.0000°,Azm5.0000° ; P -4.5800,Plg21.0000°,Azm270.0000° $M_0$4.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}3.70 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-3.20 $M_{r\theta}$-1.65 $M_{\theta\phi}$-0.60 $M_{\phi r}$-7.71 Best double couple: NP1:ϕ_s192.00000° ,δ78.00000°,λ90.00000°. NP2:ϕ_s12.00000°,δ12.00000°,λ90.00000°. Principal axes:

T 8.8200,Plg57.0000°,Azm102.0000°; N -0.3800,Plg0.0000°,Azm12.0000° ; P -8.4400,Plg32.0000°,Azm282.0000° $M_0$8.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c210; s128,c348; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.22±.03 $M_{\theta\theta}$0.09±.03; $M_{\phi\phi}$-3.30±.03; $M_{r\theta}$-0.89±.08; $M_{\theta\phi}$-0.73±.02; $M_{\phi r}$-5.32±.08; Best double couple: NP1:ϕ_s190.00000° ,δ74.00000°,λ89.00000°. NP2:ϕ_s14.00000°,δ16.00000°,λ94.00000°. Principal axes: T 6.2280,Plg61.0000°,Azm98.0000°; N 0.2350,Plg1.0000°,Azm190.0000° ; P -6.4560,Plg29.0000°,Azm281.0000° $M_0$6.34200×10^{17}

(134) Off coast of central Chile

ISC	**XII**	**27 01 18 06.7–1.6**	**35.82S–.03**	**73.34W–.07**	**10–9**	**4.7b**	**122**	**1-178**
IDC	XII	27 01 18 05.6–.69	35.80S	73.29W	0	4.4b,4.4		**¶602059086**
ISCJB	XII	27 01 18 07.2–1.0	35.83S–.02	73.37W–.06	23–7	4.7b,4.4		
GUC	XII	27 01 18 08.3–.59	35.85S	73.43W	38–3	4.5L,4.4		
NEIC	XII	27 01 18 08.0–.00	35.85S	73.43W	38	4.7b,4.5L		
BJI	XII	27 01 18 08.7	35.80S	73.20W	25	5.3s,5.0		

ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=15.2km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=3.7km az=5.3.
GUC Error ellipse: s-maj=2.0km s-min=4.7km az=-1.0.
NEIC Event type fe. Felt [III] at Cobquecura and Concepcion; [II] at Cauquenes, Constitucion, Parral and San Pedro de la Paz. After GUC.

(134) Off coast of central Chile

ISC	**XII**	**27 01 29 15.4–.56**	**35.87S–.03**	**73.48W–.07**	**10**	**4.5b**	**70**	**1-159**
ISCJB	XII	27 01 29 14.1–.42	35.81S–.03	73.51W–.06	10	4.3b,4.1s		**¶602060865**
IDC	XII	27 01 29 14.2–.83	35.83S	73.36W	0	4.3,4.2		
NEIC	XII	27 01 29 15.0–.00	35.84S	73.34W	15	4.4b,4.2L		
GUC	XII	27 01 29 15.4–.67	35.84S	73.34W	15–7	4.2L,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=9.9.
IDC Error ellipse: s-maj=28.7km s-min=17.3km az=92.0.
NEIC Event type fe. Felt [III] at Cobquecura, Linares and Longavi; [II] at Cauquenes, Constitucion, Maule, Retiro and Villa Alegre. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=5.8km az=-1.0.

(134) Off coast of central Chile

ISC	**XII**	**27 02 12 00.9–.63**	**35.85S–.03**	**73.50W–.07**	**10**	**4.0b**	**64**	**1-159**
ISCJB	XII	27 02 11 59.7–.42	35.82S–.03	73.47W–.05	10	4.1b,3.7s		**¶602060868**
IDC	XII	27 02 11 59.9–.83	35.81S	73.27W	0	4.2,4.0		
NEIC	XII	27 02 12 01.0–.00	35.81S	73.56W	38	4.7b,4.2L		
GUC	XII	27 02 12 01.3–.66	35.81S	73.56W	38–4	4.2L,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=15.4.
IDC Error ellipse: s-maj=33.8km s-min=19.2km az=85.0.
NEIC Event type fe. Felt [III] at Cobquecura. After GUC.
GUC Error ellipse: s-maj=2.3km s-min=5.1km az=-1.0.

(134) Off coast of central Chile

ISC	**XII**	**27 03 03 01.6–.42**	**35.78S–.03**	**73.43W–.06**	**10**	**4.7b,4.3s**	**135**	**1-178**
NEIC	XII	27 03 02 57.0–.00	35.77S	73.73W	12	4.7b,4.4L		**¶602059895**
GUC	XII	27 03 02 57.2–.53	35.77S	73.73W	12–9	4.4L,4.4L		
IDC	XII	27 03 02 59.5–.60	35.80S	73.42W	0	4.5,4.4		
ISCJB	XII	27 03 03 00.3–.27	35.76S–.03	73.37W–.05	10	4.7b,4.1s		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Constitucion, Linares and Villa Alegre; [II] at Parral. Also felt at Chillan. After GUC.
ISCJB Event type fe.

(402) North Atlantic Ocean

ISC	**XII**	**27 05 36 13.6–.59**	**13.06N–.03**	**58.10W–.03**	**20–3**	**5.3b,4.5s**	**1266**	**1-166**
ISCJB	XII	27 05 36 09.8–.88	12.99N–.02	58.03W–.01	7–5	5.2b,4.5s		**¶602059097**
IDC	XII	27 05 36 09.8–.37	13.05N	57.94W	0	4.9,4.8		
MOS	XII	27 05 36 10.3–1.0	13.05N	58.00W	10	5.4b,4.8		
TRN	XII	27 05 36 12.3	13.10N	58.01W	89	4.9,4.8		
NEIC	XII	27 05 36 12.1–.17	13.01N	58.00W	10	5.3b,4.9		
GCMT	XII	27 05 36 14.1–.20	13.15N–.01	57.85W–.01	12	5.2W,4.9		
BJI	XII	27 05 36 14.5	13.00N	58.10W	30	5.6b,5.4s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=168.8.
IDC Error ellipse: s-maj=10.4km s-min=10.2km az=121.0.
MOS Error ellipse: s-maj=5.2km s-min=4.5km az=64.7.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=195.0. Felt at Cap Estate, Castries, Choiseul and Soufriere, Saint Lucia.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c105; s113,c190;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$-0.57±.01; $M_{\phi\phi}$0.68±.01; $M_{r\theta}$0.34±.03; $M_{\theta\phi}$0.46±.01; $M_{\phi r}$0.37±.04; Best double couple: NP1:ϕ_s62.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_s331.00000°,δ59.00000°,λ179.00000°. Principal axes: T 1.0150,Plg22.0000° ,Azm291.0000°; N -0.2200,Plg59.0000°,Azm64.0000°; P -0.7950,Plg21.0000° ,Azm192.0000° $M_0$0.90500×10^{17}

(25) Vancouver Island region

ISC	**XII**	**27 06 36 46.2–.62**	**48.67N–.03**	**123.23W–.03**	**56–4**	**4.1b**	**171**	**0-90**
IDC	XII	27 06 36 39.4–.80	48.82N	123.50W	0	3.9,3.9b		**¶602059896**
ISCJB	XII	27 06 36 45.0–.17	48.68N–.02	123.20W–.03	65–2	3.8b,3.9b		
PGC	XII	27 06 36 46.1–.26	48.65N	123.22W	59–0	3.3L,3.9b		
NEIC	XII	27 06 36 46.3–.00	48.67N	123.24W	57	4.1b,3.9L		
PNSN	XII	27 06 36 46.7	48.65N	123.25W	55	4.0,3.9L		
ANF	XII	27 06 36 47.1–.91	48.64N	123.23W	52–8	4.1L,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=10.2km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=143.7.
PGC Event type ke. 13km east of Sidney, Bc Vancouver Island, Canada Region.
NEIC Event type fe. Felt [III] at Blaine, Camano Island, Lopez Island and Lynden; [II] at Anacortes, Coupeville, Eastsound, Everson, Friday Harbor, Oak Harbor and Sumas. Felt [III] at Central Saanich, Colwood, Sooke and Victoria; [II] at Abbotsford, Coquitlam, Cowichan Valley, Delta, Duncan, Esquimalt, Highlands, Langley, Maple Ridge, North Cowichan, North Saanich, North Vancouver, Oak Bay, Richmond, Saanich, Sidney, Surrey, Vancouver, West Vancouver and White Rock, British Columbia. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s95.00000°,δ80.00000°,λ-70.00000°.
ANF Error ellipse: s-maj=11.4km s-min=5.8km az=112.0.

(173) Tonga Islands

ISC	**XII**	**27 09 42 00.2–.21**	**18.55S–.04**	**173.36W–.04**	**31**	**5.4b,4.9s**	**1075**	**3-176**
IDC	XII	27 09 41 55.9–.41	18.32S	173.57W	0	5.2,5.1		**¶602059384**
MOS	XII	27 09 41 55.3–1.1	18.18S	173.56W	33	5.5b,5.0s		
NEIC	XII	27 09 41 59.7–.45	18.30S	173.56W	23–3	5.4b,5.0s		
ISCJB	XII	27 09 41 59.4–.08	18.31S–.02	173.57W–.03	31	5.3b,5.0s		
WEL	XII	27 09 41 59.0	18.30S	173.56W	23	5.3b,5.0s		
BJI	XII	27 09 42 01.2	18.02S	173.31W	40	5.7b,5.3s		
GCMT	XII	27 09 42 03.7–.10	18.42S–.01	173.13W–.01	29–0	5.5W,5.3s		

ISC Event type fe.
NEIC Event type fe. Felt at Neiafu.
ISCJB Event type fe.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c209; s129,c219;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.92±.03 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.36±.03; $M_{\theta\phi}$0.62±.01; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s129.00000°,δ54.00000°,λ96.00000°. NP2:ϕ_s298.00000°,δ36.00000°,λ81.00000°. Principal axes: T 2.0300,Plg80.0000° ,Azm65.0000°; N -0.2950,Plg5.0000°,Azm305.0000°; P -1.7330,Plg9.0000°,Azm214.0000° $M_0$1.88100×10^{17}

(137) San Juan Province

ISC	**XII**	**27 11 37 57.0–.44**	**31.25S–.03**	**68.77W–.03**	**111–3**	**4.5b**	**178**	**0-174**
ISCJB	XII	27 11 37 56.3–.20	31.26S–.02	68.75W–.03	113–2	4.5b		**¶602060877**
IDC	XII	27 11 37 57.0–.58	31.36S	68.70W	112–4	4.3,4.1b		
GUC	XII	27 11 37 56.2–.68	31.26S	69.15W	167–18	4.3L,4.1b		
NEIC	XII	27 11 37 57.1–.21	31.36S	68.69W	112	4.5b,4.3		
SJA	XII	27 11 37 57.0–.57	31.29S	68.78W	102–2	4.3W,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=21.8.
IDC Error ellipse: s-maj=19.4km s-min=16.3km az=73.0.
GUC Error ellipse: s-maj=2.0km s-min=15.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.8km az=89.0. Felt [III] at San Juan.
SJA Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.

(249) Luzon

ISC	**XII**	**27 13 41 36.7–1.1**	**12.29N–.02**	**123.86E–.03**	**6–7**	**4.5b,4.1s**	**234**	**0-149**
IDC	XII	27 13 41 33.6–.48	12.25N	123.88E	0	4.7L,4.3		**¶602059902**
ISCJB	XII	27 13 41 35.1–.70	12.32N–.02	123.86E–.02	7–4	4.5b,4.2s		
MAN	XII	27 13 41 35.1	12.34N	123.83E	2	5.5b,4.8s		
BJI	XII	27 13 41 36.2	12.03N	124.11E	33	5.2b,4.6s		
GCMT	XII	27 13 41 38.4–.20	12.35N–.01	123.84E–.02	17–1	5.0W,4.6s		
MOS	XII	27 13 41 38.5–1.8	12.20N	123.80E	33	4.7b,4.6s		
NEIC	XII	27 13 41 39.4–.24	12.14N	123.75E	35	4.8b,4.6s		
DJA	XII	27 13 41 41.7–1.4	13N–9.0	124E–7.0	55–11	5.1b,4.5		

ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s94,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.12 $M_{\theta\theta}$3.08±.11; $M_{\phi\phi}$-3.22±.11; $M_{r\theta}$-0.65±.30; $M_{\theta\phi}$-0.74±.09; $M_{\phi r}$-0.02±.28; Best double couple: NP1:ϕ_s231.00000°,δ83.00000°,λ171.00000°. NP2:ϕ_s322.00000°,δ81.00000°,λ7.00000°. Principal axes: T 3.2970,Plg12.0000° ,Azm186.0000°; N 0.0080,Plg78.0000°,Azm15.0000°; P -3.3090,Plg2.0000°,Azm277.0000° $M_0$3.30300×10^{16}
NEIC Event type fe. Felt [IV PIVS] at Masbate and Uson. Also felt at Aroroy. Felt [IV PIVS] at San Jacinto, Ticao Island. Felt [III PIVS] at Irosin and [II PIVS] at Legaspi City, Luzon. Also felt at Guinobatan.

(88) Dominican Republic region

ISC	**XII**	**27 21 44 40.6–.47**	**18.83N–.06**	**71.70W–.04**	**10**	**3.9b**	**53**	**0-155**
ISCJB	XII	27 21 44 37.9–.37	18.94N–.05	71.65W–.03	10	3.8b,3.0s		**¶602213316**
NEIC	XII	27 21 44 37.8–1.1	19.06N	71.75W	5–8	4.0b,3.0s		
IDC	XII	27 21 44 40.5–.72	18.94N	71.55W	0	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.4km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.5km az=177.0. Felt at Hinche, Haiti.
IDC Error ellipse: s-maj=23.5km s-min=15.6km az=42.0.

(364) Greece

ISC	**XII**	**27 23 20 54.8–.63**	**38.22N–.01**	**21.86E–.01**	**13–3**	**4.0b**	**384**	**0-146**
ATH	XII	27 23 20 53.8	38.22N	21.85E	20–1	3.8L		**¶602060034**
IDC	XII	27 23 20 53.1–.64	38.25N	21.91E	0	4.1,4.0		
NEIC	XII	27 23 20 53.8–.00	38.22N	21.85E	20	4.1b,4.0L		
PDG	XII	27 23 20 54.4–.46	38.22N	21.89E	10–0	3.8L,4.0L		
THE	XII	27 23 20 54.1	38.22N	21.86E	15–0	3.8L,4.0L		
ISCJB	XII	27 23 20 54.0–.24	38.22N–.01	21.83E–.01	13–1	4.1b,4.0L		
MOS	XII	27 23 20 55.4–.93	38.26N	21.92E	22	4.2b,4.0L		

ISC Event type fe.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=281.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=13.5km s-min=12.9km az=175.0.
NEIC Event type fe. Felt at Paralia. After ATH. Moment Tensor Solution. Best double couple: NP1: ϕ_s280.00000°,δ30.00000°,λ-118.00000°. NP2:ϕ_s131.00000°,δ64.00000°,λ-75.00000°. Principal axes: T 1.4200,Plg18.0000°,Azm210.0000°; N -0.3000,Plg13.0000°,Azm305.0000° ; P -1.1200,Plg67.0000°,Azm70.0000°
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=15.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=43.1.
MOS Error ellipse: s-maj=6.5km s-min=3.1km az=81.4.

(95) Windward Islands

ISC	**XII**	**27 23 34 42.0–.68**	**14.19N–.02**	**60.50W–.04**	**75–5**	**3.8b**	**179**	**0-76**
IDC	XII	27 23 34 40.2–1.1	14.10N	60.33W	62–11	3.9,3.8		**¶602213317**
ISCJB	XII	27 23 34 41.6–.31	14.20N–.01	60.50W–.04	82–3	3.7b,3.8		
TRN	XII	27 23 34 41.6	14.19N	60.51W	69	3.9,3.8		
NEIC	XII	27 23 34 42.0–.00	14.20N	60.52W	67	3.9,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=14.4km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.2km az=169.8.
TRN Event type fe. Felt MMI II, II in Saint Lucia.
NEIC Event type fe. Felt on Saint Lucia and Saint Vincent. After TRN.

(228) Near east coast of eastern Honshu

ISC	**XII**	**28 07 30 01.1–.77**	**36.47N–.04**	**140.60E–.05**	**56–6**	**4.0b**	**36**	**0-79**
ISCJB	XII	28 07 29 59.6–.50	36.45N–.03	140.69E–.06	60–3	3.9b,3.4s		**¶602060667**
NIED	XII	28 07 30 00	36.50N	140.60E	59	4.2W,3.4s		
JMA	XII	28 07 30 00.6–.10	36.45N	140.60E	56–1	4.0,3.4s		
IDC	XII	28 07 30 02.7–2.0	36.39N	140.53E	75–21	3.9,3.8		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.2km az=21.1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ22.00000°,λ74.00000°. NP2:ϕ_s20.00000°,δ68.00000°,λ96.00000°. $M_0$2.41000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ63.00000°,λ88.00000°. NP2:ϕ_s198.00000°,δ27.00000°,λ94.00000°. Principal axes: T Plg72.0000°,Azm279.0000°; N Plg2.0000°,Azm14.0000°; P Plg18.0000° ,Azm105.0000°
IDC Error ellipse: s-maj=25.5km s-min=12.8km az=77.0.

(141) Cordoba Province

ISC	**XII**	**28 08 50 05.3–1.7**	**31.30S–.03**	**65.05W–.03**	**0–10**	**4.6b,4.0s**	**186**	**0-170**
ISCJB	XII	28 08 50 05.3–.92	31.33S–.02	64.97W–.03	9–6	4.5b,4.1s		**¶602060888**
IDC	XII	28 08 50 05.8–.57	31.32S	65.06W	0	4.5,4.5L		
SJA	XII	28 08 50 06.0–.92	31.40S	65.16W	12–4	4.9W,4.7L		
NEIC	XII	28 08 50 07.5–.29	31.30S	64.99W	10	4.8,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=145.3.
IDC Error ellipse: s-maj=23.0km s-min=14.8km az=93.0.
SJA Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s203.70000°,δ41.30000°,λ107.40000°.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.4km az=82.0. Felt [IV] at Cordoba and Salsacate. Also felt at Pocho, Rio Cuarto, Rio Tercero, San Alberto and Villa Carlos Paz.

(228) Near east coast of eastern Honshu

ISC	**XII**	**28 12 53 13.0–2.3**	**38.84N–.07**	**142.1E–.10**	**41–16**	**3.5b**	**23**	**0-59**
IDC	XII	28 12 52 59.3–2.2	38.69N	143.51E	0	3.5,3.5b		**¶602380780**
ISCJB	XII	28 12 53 13.1–1.2	38.87N–.05	142.1E–.10	49–7	3.5b,3.5b		
JMA	XII	28 12 53 13.5–.10	38.88N	142.08E	46–1	3.3,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=52.4km s-min=26.6km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=17.4km s-min=6.4km az=18.3.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XII**	**28 13 35 36.0–.83**	**40.56N–.04**	**141.41E–.07**	**92–6**	**3.3b**	**30**	**0-64**
ISCJB	XII	28 13 35 35.0–.47	40.57N–.03	141.43E–.09	100–4	3.3b		**¶602380784**
JMA	XII	28 13 35 36.2–.10	40.57N	141.40E	91–1	3.0		
IDC	XII	28 13 35 36.5–2.0	40.54N	141.45E	100–19	3.4,3.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.1km az=1.9.
JMA Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=14.0km az=115.0.

(135) Near coast of central Chile

ISC	**XII**	**28 13 50 34.1–.82**	**29.53S–.03**	**71.15W–.06**	**45–7**	**4.5b,3.4s**	**92**	**0-175**
IDC	XII	28 13 50 26.9–.63	29.73S	71.17W	0	4.5,4.4		**¶602064199**
ISCJB	XII	28 13 50 34.4–.45	29.52S–.03	71.18W–.07	62–4	4.4b,4.4		
NEIC	XII	28 13 50 34.0–.00	29.55S	71.07W	40	4.6b,4.5W		
GUC	XII	28 13 50 34.1–.61	29.56S	71.07W	40–3	4.3L,4.5W		
SJA	XII	28 13 50 47.0–.53	29.87S	70.14W	81–4	4.7W,4.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=19.8km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=4.3km az=3.9.
NEIC Event type fe. Felt [IV] at Andacollo, Coquimbo, La Serena, Paiguano and Vicuna, [III] at La Higuera and [II] at Rio Hurtado. After GUC. Moment Tensor Solution. s14 Moment tensor: Scale 10^{15}Nm; M_{rr}5.58 $M_{\theta\theta}$-1.59 $M_{\phi\phi}$-3.99 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.03 $M_{\phi r}$-4.62 Best double couple: NP1:ϕ_s189.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s358.00000°,δ23.00000°,λ80.00000°. Principal axes: T 7.5700,Plg67.0000°,Azm107.0000°; N -1.6800,Plg4.0000°,Azm8.0000° ; P -5.9000,Plg22.0000°,Azm276.0000° $M_0$6.90000×10^{15}
GUC Error ellipse: s-maj=1.5km s-min=5.5km az=-1.0.
SJA Error ellipse: s-maj=3.3km s-min=7.2km az=-1.0.

(73) El Salvador

ISC	**XII**	**28 16 23 48.5–.54**	**13.71N–.06**	**89.01W–.05**	**178–4**	**4.6b**	**409**	**0-147**
ISCJB	XII	28 16 23 47.5–.24	13.68N–.03	89.00W–.03	185–2	4.4b		**¶602064204**
NEIC	XII	28 16 23 48.0–.00	13.50N	89.10W	170	4.7b,4.2		
SNET	XII	28 16 23 48.0	13.50N	89.10W	170	4.7b,4.2		

UCR XII 28 16 23 48.5–1.1 13.83N 88.94W 171–4 4.7b,4.3L
IDC XII 28 16 23 49.6–.76 13.89N 88.76W 182–5 4.3,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=39.9.
NEIC Event type fe. Felt [I] at San Salvador. After SNET.
UCR Error ellipse: s-maj=10.3km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=19.4km s-min=10.6km az=49.0.
(265) Minahassa Peninsula, Sulawesi
ISC XII 28 17 32 17.8–.21 0.23S–.02 122.89E–.03 111–1 5.4b 1450 1-177
ISCJB XII 28 17 32 17.4–.23 0.17S–.01 122.97E–.02 119–2 5.4b **¶602060900**
NEIC XII 28 17 32 17.0–.00 0.35S 122.95E 120 5.4b
MOS XII 28 17 32 18.8–1.0 0.10S 122.89E 130 5.4b
NEIC XII 28 17 32 18.1–.09 0.15S 122.92E 112 5.5W,5.5W
IDC XII 28 17 32 18.5–.54 0.14S 122.84E 116–4 5.5,5.1
DJA XII 28 17 32 18.2–.10 0S–1.0 123E–1.0 101–2 5.9,5.8b
KLM XII 28 17 32 19.0 0.18S 123.04E 106 5.6b,5.8b
GCMT XII 28 17 32 20.1–.10 0.16S–.01 122.99E–.01 107–0 5.5W,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.27 $M_{r\theta}$1.72 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s106.00000°,δ74.00000°,λ105.00000°. NP2:ϕ_s243.00000°,δ22.00000°,λ49.00000°. Principal axes: T 2.2300,Plg58.0000°,Azm37.0000°; N 0.0700,Plg14.0000°,Azm282.0000°; P -2.3000,Plg27.0000°,Azm184.0000° $M_0$2.30000×10^{17}
NEIC Event type fe. Felt [III] at Luwuk. Also felt at Gorontalo and Kintom. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.38 $M_{r\theta}$1.65 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s116.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_s312.00000°,δ17.00000°,λ106.00000°. Principal axes: T 2.1700,Plg61.0000°,Azm19.0000°; N -0.0400,Plg4.0000°,Azm117.0000°; P -2.1300,Plg29.0000°,Azm210.0000° $M_0$2.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c213; s124,c243;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.03 $M_{\theta\theta}$-1.43±.03; $M_{\phi\phi}$0.18±.03; $M_{r\theta}$1.52±.02; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$-0.77±.02; Best double couple: NP1:ϕ_s109.00000°,δ72.00000°,λ107.00000°. NP2:ϕ_s245.00000°,δ24.00000°,λ48.00000°. Principal axes: T 2.2130,Plg60.0000°,Azm43.0000°; N -0.0690,Plg16.0000°,Azm284.0000°; P -2.1390,Plg25.0000°,Azm186.0000° $M_0$2.17600×10^{17}
(127) Chile-Argentina border region
ISC XII 28 18 35 24.0–.66 33.29S–.04 70.62W–.06 97–5 3.6b 59 0-155
IDC XII 28 18 35 11.1–1.3 33.60S 70.63W 0 4.1,3.8 **¶602380749**
SJA XII 28 18 35 21.3–.78 33.40S 70.78W 113–7 4.2W,3.5L
ISCJB XII 28 18 35 23.3–.41 33.28S–.03 70.64W–.07 103–3 3.6b,3.5L
GUC XII 28 18 35 23.8–.55 33.28S 70.60W 100–2 4.2L,3.5L
NEIC XII 28 18 35 23.0–.00 33.28S 70.60W 100 4.2L,3.5L
ISC Event type fe.
IDC Error ellipse: s-maj=46.3km s-min=39.8km az=13.0.
SJA Error ellipse: s-maj=11.8km s-min=10.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.4km az=168.1.
GUC Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0.
NEIC Event type fe. Felt [II] at Los Andes. After GUC.
(116) Central Peru
ISC XII 29 01 57 40.2–.42 11.42S–.06 76.9W–.10 97–3 4.6b 155 1-161
ISCJB XII 29 01 57 39.3–.47 11.37S–.04 76.81W–.06 102–5 4.5b **¶602324118**
IDC XII 29 01 57 40.3–.35 11.43S 76.88W 93–3 4.2,4.0
NEIC XII 29 01 57 40.0–.00 11.37S 76.86W 96 4.6b,4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.0km az=160.3.
IDC Error ellipse: s-maj=18.9km s-min=7.6km az=73.0.
NEIC Event type fe. Felt [III] at Huaral and Lima; [II] at Antioquia, San Agustin de Huayopampa and San Borja. Also felt at Chaclacayo, Chosica, Huanuco, La Molina, Miraflores, San Isidro, San Juan de Miraflores and Santo Domingo de Los Olleros. After ARE.
(228) Near east coast of eastern Honshu
ISC XII 29 03 05 40.2–1.3 38.23N–.05 141.98E–.09 56–10 3.3b 40 0-89
ISCJB XII 29 03 05 39.8–.73 38.22N–.04 141.92E–.08 67–6 3.3b **¶602380817**
IDC XII 29 03 05 41.9–3.5 38.17N 141.89E 74–33 3.4,3.4
JMA XII 29 03 05 41.1 38.24N 141.85E 62–1 3.9,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.7km az=18.4.
IDC Error ellipse: s-maj=27.1km s-min=22.6km az=113.0.
JMA Event type fe.
(377) Spain
ISC XII 29 06 50 53.8–1.0 38.06N–.02 3.26W–.02 15–9 134 0-10
IGIL XII 29 06 50 53.4 38.04N 3.27W 2 2.8L **¶602062471**
MDD XII 29 06 50 55.0–.13 38.04N 3.27W 2–1 2.9
SFS XII 29 06 50 54.0 38.03N 3.26W 3.0L
INMG XII 29 06 50 55.2–1.4 38.04N 3.29W 0 2.9L
LDG XII 29 06 50 55.1–.13 38.04N 3.30W 2 2.9L
CNRM XII 29 06 50 59.3 38.01N 2.93W 34 3.5L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=31.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=45.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=146.0.
(377) Spain
ISC XII 29 06 53 18.3–.99 38.01N–.02 3.27W–.02 15–8 94 0-5
MDD XII 29 06 53 18.4–.15 38.04N 3.27W 2–1 2.8 **¶602062472**
SFS XII 29 06 53 18.0 38.03N 3.30W 2.8L
INMG XII 29 06 53 18.6–1.4 38.06N 3.29W 0 2.9L
CNRM XII 29 06 53 24.2 37.86N 3.07W 22 3.6L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=39.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=52.0.
(377) Spain
ISC XII 29 06 54 54.6–1.0 38.09N–.02 3.26W–.02 13–9 104 0-10
MDD XII 29 06 54 55.9–.15 38.04N 3.27W 2–1 3.1 **¶602779055**
LDG XII 29 06 54 56.0–.10 38.03N 3.29W 2 2.9L
SFS XII 29 06 54 56.0 38.04N 3.26W 3.0L
CNRM XII 29 06 54 58.2 37.90N 3.12W 8 3.5L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=42.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=130.0.
SFS TORREPEROGIL. (JAEN).
(377) Spain
ISC XII 29 06 57 25.8–1.1 38.09N–.02 3.28W–.01 6–9 197 0-8
ISCJB XII 29 06 57 24.1–.28 38.19N–.01 3.36W–.01 1–2 **¶602062473**
IGIL XII 29 06 57 26.0 38.05N 3.28W 2 3.3L
MDD XII 29 06 57 27.2–.12 38.05N 3.28W 2–1 3.4
SFS XII 29 06 57 27.0 38.04N 3.28W 3.4L
INMG XII 29 06 57 27.1–1.5 38.08N 3.27W 0 3.5L
LDG XII 29 06 57 27.5–.10 38.03N 3.31W 2 3.2L
CNRM XII 29 06 57 30.7 37.88N 3.06W 10 3.8L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=176.6.
MDD Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=49.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=91.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=145.0.
(228) Near east coast of eastern Honshu
ISC XII 29 07 19 32.8–.42 37.08N–.03 141.20E–.03 49–3 5.0b,4.2s 823 0-163
NIED XII 29 07 19 00 37.00N 141.20E 50 4.9W,4.2s **¶602062475**
BJI XII 29 07 19 29.6 37.02N 141.26E 51 5.1b,5.1b
IDC XII 29 07 19 32.9–1.1 37.08N 141.21E 49–9 4.8,4.7
JMA XII 29 07 19 32.5–.10 37.07N 141.18E 51–1 5.0,4.7
ISCJB XII 29 07 19 32.9–.24 37.08N–.02 141.09E–.02 58–1 5.0b,4.3s
MOS XII 29 07 19 33.6–.94 37.33N 141.03E 54 5.4b,4.3s
GCMT XII 29 07 19 34.3–.30 37.05N–.02 141.22E–.03 48–1 4.9W,4.3s
NEIC XII 29 07 19 35.3–.44 37.06N 141.03E 66–4 5.0b,4.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s19.00000°,δ66.00000°,λ85.00000°. $M_0$2.72000×10^{16}
IDC Error ellipse: s-maj=10.1km s-min=8.1km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ68.00000°,λ88.00000°. NP2:ϕ_s210.00000°,δ22.00000°,λ95.00000°. Principal axes: T Plg67.0000°,Azm291.0000°; N Plg2.0000°,Azm25.0000°; P Plg23.0000°,Azm116.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=34.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=107.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c55; s73,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.58±.16 $M_{\theta\theta}$-0.60±.12; $M_{\phi\phi}$-1.98±.11; $M_{r\theta}$0.42±.09; $M_{\theta\phi}$-1.22±.10; $M_{\phi r}$1.90±.10; Best double couple: NP1:ϕ_s20.00000°,δ63.00000°,λ80.00000°. NP2:ϕ_s221.00000°,δ28.00000°,λ109.00000°. Principal axes: T 3.2680,Plg70.0000°,Azm269.0000°; N 0.0160,Plg9.0000°,Azm24.0000°; P -3.2870,Plg18.0000°,Azm117.0000° $M_0$3.27700×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=138.0. Felt [IV] at Iwaki, [III] in Sendai and [II] at Tokyo. Felt from Kitakami to Yokohama and from Aizu-Wakamatsu to Hitachi. Recorded [4 JMA] in Fukushima.
(244) Taiwan
ISC XII 29 11 06 26.6–.70 24.23N–.02 121.94E–.02 55–5 3.7b 245 0-83
NIED XII 29 11 06 00 24.20N 121.90E 53 3.9W **¶602068328**
JMA XII 29 11 06 26.8–.10 24.19N 121.89E 50–1 4.0
ISCJB XII 29 11 06 26.7–.18 24.24N–.01 121.95E–.01 66–2 3.6b
NEIC XII 29 11 06 26.9–.41 24.22N 121.95E 57–5 4.5L
TAP XII 29 11 06 27.4 24.23N 121.89E 53–0 4.5L
IDC XII 29 11 06 28.8–3.7 24.28N 122.13E 77–34 3.8,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ34.00000°,λ132.00000°. NP2:ϕ_s169.00000°,δ66.00000°,λ66.00000°. $M_0$7.90000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=145.6.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=6.3km az=135.0. Recorded [3 TAP] in Hualien; [2 TAP] in Nantou, Taichung and Yilan; [1 TAP] in Changua, Hsinchu and Yunlin.
TAP B.
IDC Error ellipse: s-maj=23.9km s-min=16.4km az=71.0.
(228) Near east coast of eastern Honshu
ISC XII 29 14 59 36.4–.28 38.76N–.03 142.18E–.03 36–1 5.5b,5.0s 1646 1-164
NIED XII 29 14 59 00 38.70N 142.20E 32 5.3W,5.0s **¶602065111**
BJI XII 29 14 59 32.9 38.65N 142.12E 29 5.4b,5.4b
ISCJB XII 29 14 59 36.7–.22 38.73N–.01 142.11E–.02 49–1 5.4b,5.0s
JMA XII 29 14 59 36.6–.10 38.72N 142.20E 41–1 5.5,5.0s
MOS XII 29 14 59 36.3–.85 38.94N 142.07E 38 5.7b,5.1s
GCMT XII 29 14 59 38.9–.10 38.79N–.01 142.24E–.01 44–0 5.5W,5.1s
IDC XII 29 14 59 39.0–1.3 38.76N 142.07E 56–11 5.2,5.0
NEIC XII 29 14 59 38.9–.41 38.74N 142.02E 56–3 5.4W,5.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ9.00000°,λ120.00000°. NP2:ϕ_s19.00000°,δ82.00000°,λ85.00000°. $M_0$1.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=137.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s43.00000°,δ66.00000°,λ105.00000°. NP2:ϕ_s190.00000°,δ29.00000°,λ60.00000°. Principal axes: T Plg66.0000°,Azm340.0000°; N Plg14.0000°,Azm217.0000°; P Plg19.0000°,Azm122.0000°
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=101.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c183; s123,c239;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$-1.53±.02; $M_{r\theta}$0.71±.02; $M_{\theta\phi}$-0.44±.02; $M_{\phi r}$1.33±.03; Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ97.00000°. NP2:ϕ_s188.00000°,δ24.00000°,λ75.00000°. Principal axes: T 2.2360,Plg68.0000°,Azm307.0000°; N -0.0160,Plg6.0000°,Azm201.0000°; P -2.2260,Plg21.0000°,Azm109.0000° $M_0$2.23100×10^{17}
IDC Error ellipse: s-maj=11.1km s-min=6.6km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=140.0. Felt [III] at Sendai and [II] at Iwaki, Kasama and Misawa. Felt in much of northeastern Honshu. Recorded [4 JMA] in Iwate. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s209.00000°,δ21.00000°,λ87.00000°. NP2:ϕ_s32.00000°,δ69.00000°,λ91.00000°. Principal axes: T 1.7200,Plg66.0000°,Azm304.0000°; N -0.1300,Plg1.0000°,Azm212.0000°; P -1.5900,Plg24.0000°,Azm121.0000° $M_0$1.70000×10^{17}
(228) Near east coast of eastern Honshu
ISC XII 29 15 52 06.5–1.8 38.13N–.04 141.82E–.08 28–12 31 0-58
JMA XII 29 15 52 08.9–.10 38.19N 141.68E 50–1 3.2 **¶602380846**
IDC XII 29 15 52 12.8–3.3 36.52N 141.89E 0 3.3,3.3b
ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=84.4km s-min=34.7km az=52.0.
(718) Hindu Kush region
ISC XII 29 17 50 52.6–.15 35.67N–.02 70.56E–.02 118–1 5.6b 1849 2-152
MOS XII 29 17 50 51.6–.94 35.70N 70.63E 119 5.6b **¶602065113**
ISCJB XII 29 17 50 51.3–.24 35.72N–.01 70.63E–.01 114–2 5.5b
BJI XII 29 17 50 52.1 35.83N 70.67E 111 5.3b,5.2b
GCMT XII 29 17 50 52.8–.10 35.57N–.01 70.43E–.01 120–0 5.6W,5.2b
NEIC XII 29 17 50 52.8–.09 35.71N 70.60E 117 5.6W,5.6b
IDC XII 29 17 50 53.3–.29 35.71N 70.61E 120–2 5.4,5.1
NEIC XII 29 17 50 53.0–.00 35.80N 70.55E 120 5.4,5.1
NNC XII 29 17 50 58.2–3.2 36.18N 70.47E 163–29 5.9,5.2b
ISC Event type fe.
MOS Error ellipse: s-maj=4.2km s-min=2.8km az=126.9.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=8.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s116,c188; s120,c269; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-2.55±.03; $M_{\phi\phi}$0.70±.03; $M_{r\theta}$1.24±.03; $M_{\theta\phi}$-0.32±.03; $M_{\phi r}$1.18±.02; Best double couple: NP1:ϕ_s60.00000°,δ66.00000°,λ63.00000°. NP2:ϕ_s291.00000°,δ36.00000°,λ136.00000°. Principal axes: T 2.7390,Plg60.0000°,Azm290.0000°; N 0.2420,Plg25.0000°,Azm72.0000°; P -2.9820,Plg17.0000°,Azm170.0000° $M_0$2.86000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=191.0. Felt [IV] at Atati and Kabul and [III] at Jalalabad, Khak-e-Jabar and Mahmud-e-Raqi. Felt [III] at Abbottabad, Islamabad and Lahore, Pakistan. Felt in much of northeastern Afghanistan and northern Pakistan. Felt at Amritsar and Noida, India and at Dushanbe and Qarotegin, Tajikistan. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}2.40 $M_{\theta\theta}$-2.50 $M_{\phi\phi}$0.10 $M_{r\theta}$1.04 $M_{\theta\phi}$-0.66 $M_{\phi r}$1.33 Best double couple: NP1:ϕ_s275.00000°,δ34.00000°,λ123.00000°. NP2:ϕ_s57.00000°,δ62.00000°,λ69.00000°. Principal axes: T 3.0900,Plg66.0000°,Azm288.0000°; N -0.0900,Plg18.0000°,Azm67.0000°; P -3.0000,Plg15.0000°,Azm162.0000° $M_0$3.00000×10^{17}
IDC Error ellipse: s-maj=7.3km s-min=4.8km az=18.0.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.41 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$0.12 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.97 Best double couple: NP1:ϕ_s61.00000°,δ67.00000°,λ68.00000°. NP2:ϕ_s286.00000°,δ31.00000°,λ131.00000°. Principal axes: T 2.1000,Plg61.0000°,Azm297.0000°; N -0.2000,Plg19.0000°,Azm69.0000°; P -1.9000,Plg19.0000°,Azm166.0000° $M_0$2.00000×10^{17}
NNC Event type se. Error ellipse: s-maj=25.3km s-min=22.3km az=25.0.
(135) Near coast of central Chile
ISC XII 29 19 35 56.5–1.8 34.94S–.06 71.32W–.08 97–14 36 1-10
ISCJB XII 29 19 35 55.6–.70 34.96S–.05 71.38W–.10 105–7 **¶602380805**
GUC XII 29 19 35 57.3–.50 34.91S 71.39W 94–4 3.8L
NEIC XII 29 19 35 57.0–.00 34.91S 71.39W 94 3.8L
SJA XII 29 19 35 58.3–.64 34.92S 70.90W 67–9 4.1W,3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=6.4km az=19.4.
GUC Error ellipse: s-maj=2.5km s-min=4.7km az=-1.0.
NEIC Event type fe. Felt [III] at Talca. After GUC.
SJA Error ellipse: s-maj=5.9km s-min=5.6km az=-1.0.
(228) Near east coast of eastern Honshu
ISC XII 29 23 05 22.8–.47 37.02N–.03 141.29E–.03 33–2 5.2b,4.5s 980 0-157
NIED XII 29 23 05 00 37.00N 141.50E 11 4.9W,4.5s **¶602065116**
IDC XII 29 23 05 17.9–.35 37.01N 141.23E 0 4.9,4.8
JMA XII 29 23 05 19.5–.10 36.96N 141.39E 35–1 5.1,4.8

ISCJB XII 29 23 05 21.8–.43 36.99N–.02 141.21E–.02 33–2 5.1b,4.4s
MOS XII 29 23 05 22.3–.90 37.13N 141.19E 33 5.2b,4.4s
BJI XII 29 23 05 22.0 36.97N 141.31E 51 5.3b,4.9b
GCMT XII 29 23 05 23.2–.30 37.02N–.03 141.37E–.02 17–1 4.9W,4.9b
NEIC XII 29 23 05 24.2–.36 37.02N 141.17E 40–3 5.2b,4.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ40.00000°,λ-82.00000°. NP2:ϕ_s183.00000°,δ51.00000°,λ-97.00000°. $M_0$2.17000×10^{16}
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=93.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=146.2.
MOS Error ellipse: s-maj=6.0km s-min=4.2km az=105.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s84,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.20±.22 $M_{\theta\theta}$0.12±.13; $M_{\phi\phi}$3.09±.14; $M_{r\theta}$-0.07±.42; $M_{\theta\phi}$0.62±.09; $M_{\phi r}$0.27±.31; Best double couple: NP1:ϕ_s189.00000°,δ47.00000°,λ-93.00000°. NP2:ϕ_s14.00000°,δ43.00000°,λ-87.00000°. Principal axes: T 3.2260,Plg2.0000° ,Azm281.0000°; N -0.0060,Plg2.0000°,Azm191.0000°; P -3.2150,Plg87.0000°,Azm56.0000° $M_0$3.22000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=140.0. Felt [IV] at Iwaki. Felt widely in eastern Honshu. Recorded [3 JMA] in Fukushima and Ibaraki.

(228) Near east coast of eastern Honshu

JMA XII 30 02 33 09.2–.10 36.76N 141.30E 76–1 3.8 ¶606079207

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(2) Southern Alaska

ISC XII 30 04 08 46.7–.93 59.89N–.03 152.13W–.04 88–7 89 0-31
ISCJB XII 30 04 08 45.5–.30 59.88N–.03 152.09W–.05 95–4 3.1b ¶602380872
NEIC XII 30 04 08 47.7–.00 59.89N 152.15W 83 3.4L
IDC XII 30 04 08 47.5–2.4 59.80N 151.75W 48–34 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=40.2.
NEIC Event type fe. Felt at Anchor Point and Homer. After AEIC.
IDC Error ellipse: s-maj=56.6km s-min=14.0km az=110.0.

(39) Central California

ISC XII 30 11 52 34.6–1.0 36.15N–.02 118.04W–.02 5–9 137 0-26
ANF XII 30 11 52 34.7–.21 36.14N 118.04W 2–2 3.6L ¶602324123
NEIC XII 30 11 52 35.1–.00 36.15N 118.06W 2 3.5L
SCEDC XII 30 11 52 35.2 36.16N 118.06W 1 3.5L
PAS XII 30 11 52 35.1 36.15N 118.06W 2 3.5L
IDC XII 30 11 52 40.6–3.1 36.56N 117.05W 0 3.6,3.4
ISC Event type fe.
ANF Error ellipse: s-maj=1.7km s-min=1.5km az=102.0.
NEIC Event type fe. Felt at Lone Pine. After PAS.
IDC Error ellipse: s-maj=54.8km s-min=16.3km az=48.0.

(69) Near coast of Chiapas

ISC XII 30 12 21 21.8–.81 14.48N–.04 93.00W–.04 32–3 5.2b,4.9s 1059 1-159
UCR XII 30 12 21 19.0–2.4 14.71N 93.24W 115–97 5.2b,4.8L ¶602064931
NEIC XII 30 12 21 21.9–.17 14.45N 92.99W 26 5.3,5.3W
GCMT XII 30 12 21 21.9–.10 14.53N–.01 93.37W–.01 25–0 5.5W,5.3W
MOS XII 30 12 21 22.9–.98 14.60N 92.80W 49 5.3b,4.8s
MEX XII 30 12 21 22.4–.49 14.47N 93.19W 20–23 5.3,4.8s
ISCJB XII 30 12 21 24.9–.39 14.52N–.02 92.87W–.02 71–3 5.1b,4.8s
IDC XII 30 12 21 25.9–2.0 14.58N 92.75W 68–17 4.8s,4.8
ISC Event type fe.
UCR Error ellipse: s-maj=93.4km s-min=37.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=32.0. Felt at Tapachula. Also felt at Quezaltenango, Guatemala. Moment Tensor Solution. Best double couple: NP1: ϕ_s115.00000°,δ62.00000°,λ79.00000°. NP2:ϕ_s317.00000°,δ29.00000°,λ110.00000°. Principal axes: T 1.1000,Plg71.0000°,Azm1.0000°; N -0.1000,Plg10.0000°,Azm120.0000° ; P -1.0000,Plg17.0000°,Azm213.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c202; s101,c192;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.03 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$-0.44±.02; $M_{r\theta}$1.10±.05; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.95±.05; Best double couple: NP1:ϕ_s127.00000°,δ66.00000°,λ95.00000°. NP2:ϕ_s295.00000°,δ24.00000°,λ79.00000°. Principal axes: T 2.1810,Plg68.0000° ,Azm47.0000°; N -0.0500,Plg5.0000°,Azm305.0000°; P -2.1340,Plg21.0000°,Azm214.0000° $M_0$2.15800×10^{17}
MOS Error ellipse: s-maj=9.1km s-min=4.2km az=108.5.
MEX Error ellipse: s-maj=4.6km s-min=4.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=135.3.
IDC Error ellipse: s-maj=17.0km s-min=8.6km az=49.0.

(115) Near coast of Peru

NEIC XII 30 13 32 49.0–.00 10.75S 77.58W 67 4.4b,4.3L ¶602425750

NEIC Event type fe. Felt [II] at Barranca and Puerto Supe. After ARE.

(244) Taiwan

ISC XII 30 16 03 26.8–.71 23.47N–.01 120.93E–.01 4–4 4.7b,4.5s 525 0-149
NIED XII 30 16 03 00 23.50N 120.90E 38 5.1W,4.5s ¶602064941
JMA XII 30 16 03 24.7–.10 23.50N 120.90E 0 4.8,4.5s
BJI XII 30 16 03 24.5 23.44N 120.97E 5 5.3L,5.1b
ASIES XII 30 16 03 25.8 23.46N 120.93E 22 4.5W,5.1b
TAP XII 30 16 03 25.8 23.47N 120.91E 4–0 5.3L,5.1b
IDC XII 30 16 03 25.8–.48 23.38N 121.04E 0 4.5,4.4
NEIC XII 30 16 03 26.2–.60 23.44N 120.95E 3–4 4.8W,4.8b
ISCJB XII 30 16 03 26.6–.17 23.436N–.01 120.922E–.01 10–1 4.6b,4.5s
IASPE XII 30 16 03 26.7–.84 23.47N–.01 120.93E–.01 5–5 4.7b,4.5s
MOS XII 30 16 03 26.8–1.0 23.44N 121.11E 24 5.0b,4.7s
GCMT XII 30 16 03 27.2–.30 23.50N–.01 120.86E–.02 14–1 4.9W,4.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ53.00000°,λ-9.00000°. NP2:ϕ_s255.00000°,δ83.00000°,λ-143.00000°. $M_0$4.28000×10^{16}
TAP B.
NEIC Event type fe. Felt at Changhua, Taichung, Tainan and Taipei. Recorded [4 TAP] in Chiayi; [3 TAP] in Changhua, Nantou, Taitung and Yunlin; [2 TAP] in Hualien; [1 TAP] in Miaoli, Hsinchu and Pingtung. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.77 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.79 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s260.00000° ,δ74.00000°,λ-153.00000°. NP2:ϕ_s162.00000°,δ64.00000°,λ-18.00000°. Principal axes: T 2.4600,Plg6.0000°,Azm29.0000°; N -0.3800,Plg59.0000°,Azm288.0000° ; P -2.0800,Plg30.0000°,Azm123.0000° $M_0$2.30000×10^{16}
ISCJB Event type fe.
IASPE Event type fe. GT5 selection from ISC bulletin. GT5 identified by Bond¨¡r and McLaughlin (2009) selection criteria. Bond¨¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c19; s76,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.11 $M_{\theta\theta}$1.81±.10; $M_{\phi\phi}$-1.13±.10; $M_{r\theta}$-0.27±.19; $M_{\theta\phi}$-2.02±.08; $M_{\phi r}$-0.93±.24; Best double couple: NP1:ϕ_s339.00000°,δ74.00000°,λ-21.00000°. NP2:ϕ_s75.00000°,δ70.00000°,λ-163.00000°. Principal axes: T 2.8470,Plg3.0000° ,Azm28.0000°; N -0.2260,Plg64.0000°,Azm124.0000°; P -2.6240,Plg26.0000° ,Azm296.0000° $M_0$2.73600×10^{16}

(228) Near east coast of eastern Honshu

ISC XII 30 17 59 00.0–1.4 38.83N–.05 142.13E–.09 44–12 3.6b 34 0-67
ISCJB XII 30 17 58 59.4–.78 38.87N–.04 142.10E–.09 53–6 3.6b,3.2s ¶602380899
JMA XII 30 17 59 00.6–.10 38.86N 142.05E 46–1 3.9,3.2s
IDC XII 30 17 59 02.3–2.2 38.83N 142.05E 66–21 3.7,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=14.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=15.0km az=97.0.

(238) Ryukyu Islands

ISC XII 30 19 23 05.0–2.1 25.94N–.08 127.18E–.05 23–14 3.8b 34 1-85
NIED XII 30 19 23 00 26.00N 127.20E 50 4.1W ¶602380905
IDC XII 30 19 23 01.5–.67 25.98N 127.03E 0 3.9,3.8
JMA XII 30 19 23 07.9–.30 26.01N 127.22E 43–2 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s0.00000°,δ28.00000°,λ-151.00000°. NP2:ϕ_s244.00000°,δ77.00000°,λ-65.00000°. $M_0$1.80000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=15.3km az=92.0.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.

(274) Southern Sumatera

ISC XII 30 19 25 54.6–.67 2.02S–.04 100.69E–.04 68–6 4.6b 183 1-146
BJI XII 30 19 25 49.3 2.47S 100.69E 64 5.2b,4.7b ¶602065118
MOS XII 30 19 25 52.5–1.0 1.96S 100.77E 58 4.8b,4.7b
NEIC XII 30 19 25 54.5–.61 1.99S 100.80E 66–5 4.6b,4.7b
ISCJB XII 30 19 25 54.1–.31 2.04S–.03 100.72E–.03 76–2 4.5b,4.7b
KLM XII 30 19 25 54.0 2.16S 100.57E 38 4.7b,4.7b
DJA XII 30 19 25 54.6–.20 2S–2.0 101E–2.0 52–3 4.8b,4.7
IDC XII 30 19 25 54.3–2.9 1.97S 100.81E 62–25 4.5,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=12.8km s-min=6.0km az=118.6.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=3.8km az=51.0. Felt at Padang and Sungai Penuh.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=43.3.
IDC Error ellipse: s-maj=25.9km s-min=10.2km az=50.0.

(460) Wyoming

ISC XII 30 20 01 04.6–.99 43.80N–.07 105.32W–.07 0 18 1-90
ISCJB XII 30 20 01 03.3–.48 43.82N–.05 105.27W–.07 0 3.8b ¶602380907
IDC XII 30 20 01 04.3–1.4 43.85N 105.69W 0 3.8b,3.4
NEIC XII 30 20 01 05.1–.42 43.80N 105.30W 0 3.3L,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.1km s-min=7.1km az=145.4.
IDC Error ellipse: s-maj=34.2km s-min=9.4km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=6.2km s-min=5.8km az=104.0. 56 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(116) Central Peru

ISC XII 30 20 49 28.6–.32 12.91S–.05 71.02W–.05 35 5.1b,4.5s 424 4-169
ISCJB XII 30 20 49 26.9–.22 12.63S–.04 70.85W–.04 33 5.0b,4.5s ¶602065120
NEIC XII 30 20 49 27.8–1.8 12.86S 70.94W 28–13 5.2L,5.2b
IDC XII 30 20 49 28.1–1.6 12.89S 71.00W 33–10 4.5,4.5
BJI XII 30 20 49 29.8 13.30S 71.50W 39 5.3s,5.2b
GCMT XII 30 20 49 30.7–.40 12.57S–.03 71.21W–.03 51–2 5.0W,5.2b
ARE XII 30 20 49 35.0–.00 13.30S 71.54W 169 5.0W,5.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=40.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.4km az=59.0. Felt [II] at Cusco.
IDC Error ellipse: s-maj=14.9km s-min=11.2km az=51.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c40; s57,c69;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.26 $M_{\theta\theta}$-2.83±.17; $M_{\phi\phi}$2.49±.25; $M_{r\theta}$-1.60±.11; $M_{\theta\phi}$-2.10±.15; $M_{\phi r}$-0.21±.21; Best double couple: NP1:ϕ_s117.00000°,δ82.00000° ,λ-161.00000°. NP2:ϕ_s24.00000°,δ71.00000°,λ-9.00000°. Principal axes: T 3.2610,Plg7.0000°,Azm249.0000°; N 0.8630,Plg69.0000°,Azm140.0000° ; P -4.1200,Plg20.0000°,Azm342.0000° $M_0$3.69100×10^{16}
ARE Event type se.

(9) Fox Islands

ISC XII 30 22 03 50.2–3.5 53.52N–.07 164.91W–.04 9–24 3.6b 38 1-50
IDC XII 30 22 03 49.6–1.6 53.69N 164.98W 0 4.0,3.7 ¶602380912
NEIC XII 30 22 03 53.8–.00 53.68N 165.07W 55 3.6L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=32.4km s-min=26.0km az=176.0.
NEIC Event type fe. Felt at Akutan. After AEIC.

(228) Near east coast of eastern Honshu

ISC XII 30 22 17 20.2–2.0 38.25N–.04 142.15E–.07 9–11 4.0b 36 1-62
IDC XII 30 22 17 18.0–1.4 38.26N 142.38E 0 3.9,3.8 ¶602380913
JMA XII 30 22 17 25.1–.10 38.32N 141.92E 50–1 3.7,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=19.9km az=85.0.
JMA Event type fe.

(378) Pyrenees

ISC XII 30 23 35 00.2–.23 43.144N–.01 0.224W–.01 15–1 3.7b 774 0-130
IDC XII 30 23 34 59.6–.98 43.00N 0.21W 0 4.0L,3.8 ¶602065121
ISCJB XII 30 23 35 00.5–.20 43.10N–.01 0.29W–.01 26–1 3.7b,3.7s
MRB XII 30 23 35 01.2–.50 43.07N 0.22W 7–4 4.3L,3.7s
INMG XII 30 23 35 01.8–1.9 43.07N 0.22W 2–2 4.0L,3.7s
LDG XII 30 23 35 01.7–.05 43.09N 0.20W 2 4.7L,4.5
STR XII 30 23 35 01.6–.22 43N–2.0 0W–1.0 5 4.7b,4.5
SFS XII 30 23 35 01.0 43.04N 0.21W 4.1L,4.5
MDD XII 30 23 35 01.5–.20 43.09N 0.21W 2–2 4.2,4.5
NEIC XII 30 23 35 02.6–.00 43.18N 0.23W 2 4.8L,4.5
IGIL XII 30 23 35 03.0 43.05N 0.22W 2 3.7L,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=24.0km s-min=13.0km az=128.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=157.3.
MRB Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=190.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=145.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=133.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
SFS NAY(FRANCIA).
MDD Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=174.0. EMS: IV INTENSIDAD MAXIMA-ESPAA. PRXIMO.
NEIC Event type fe. Felt at Argeles-Gazost, Asson, Lourdes and Pau, France and at Sallent de Gallego, Spain. After LDG.

(62) Mexico-Guatemala border region

ISC XII 31 01 15 17.1–.36 15.11N–.04 92.15W–.04 113–2 4.8b 809 0-145
IDC XII 31 01 15 17.9–.44 15.25N 91.77W 117–3 4.5,4.2 ¶602065123
GCMT XII 31 01 15 17.8–.20 15.12N–.01 92.25W–.01 102–1 5.2W,4.2
BJI XII 31 01 15 17.1 15.10N 92.10W 100 5.1b,4.2
UCR XII 31 01 15 18.4–1.1 14.97N 92.12W 117 5.1b,4.2L
MEX XII 31 01 15 18.6–.96 15.21N 92.68W 83–33 5.2,4.2L
NEIC XII 31 01 15 18.8–.40 15.03N 92.04W 123–3 5.2,5.1b
ISCJB XII 31 01 15 19.4–.31 15.06N–.02 91.99W–.02 146–3 4.7b,5.1b
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c94; s100,c159;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.09±.16 $M_{\theta\theta}$0.93±.23; $M_{\phi\phi}$2.16±.23; $M_{r\theta}$5.35±.11; $M_{\theta\phi}$-3.75±.19; $M_{\phi r}$-3.66±.12; Best double couple: NP1:ϕ_s303.00000°,δ75.00000° ,λ-104.00000°. NP2:ϕ_s168.00000°,δ21.00000°,λ-48.00000°. Principal axes: T 8.7280,Plg28.0000°,Azm45.0000°; N -1.8220,Plg14.0000°,Azm307.0000° ; P -6.9090,Plg58.0000°,Azm194.0000° $M_0$7.81900×10^{16}
NEIC Event type fe. Felt at San Gabriel. Also felt at Tapachula, Tonala, Tuxtla and Union Juarez, Mexico.
ISCJB Event type fe.

(378) Pyrenees

ISC XII 31 03 24 03.7–.80 43.13N–.01 0.20W–.01 13–5 378 0-8
ISCJB XII 31 03 24 02.8–.20 43.202N–.01 0.24W–.01 11–1 ¶602065128
STR XII 31 03 24 05.7–.22 43N–2.0 0W–1.0 2 2.9,2.9
LDG XII 31 03 24 05.1–.04 43.07N 0.22W 3 3.6L,3.5
MDD XII 31 03 24 05.4–.22 43.09N 0.19W 0 3.1,3.5
MRB XII 31 03 24 05.0–.50 43.07N 0.22W 5–3 3.1L,3.5
INMG XII 31 03 24 06.7–1.4 43.01N 0.21W 5–2 2.8L,3.5
SFS XII 31 03 24 06.0 43.02N 0.20W 3.0L,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=159.9.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=86.0.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=177.0. EMS: II INTENSIDAD MAXIMA-ESPAA. PRXIMO.
MRB Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=187.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=12.0.
SFS LARUNS. (FRANCIA).

(115) Near coast of Peru

ISC XII 31 08 46 20.8–.61 11.23S–.06 77.47W–.08 77–5 4.8b 106 1-164
ARE XII 31 08 46 17.0–.00 11.42S 77.92W 53 4.8b ¶602065152
ISCJB XII 31 08 46 19.9–.76 11.16S–.05 77.43W–.08 82–7 4.6b
IDC XII 31 08 46 20.6–.72 11.15S 77.47W 69–6 4.2,4.1
NEIC XII 31 08 46 21.1–.71 11.16S 77.35W 77–7 4.9b,4.7L
ISC Event type fe.
ARE Event type se.
ISCJB Event type fe. Error ellipse: s-maj=15.0km s-min=5.2km az=151.5.
IDC Error ellipse: s-maj=24.4km s-min=12.1km az=52.0.

NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.4km az=66.0. Felt [IV] at Huacho and [III] at Lima and San Borja. Also felt at Ancon, Antioquia, Callao, Chaclacayo, La Molina, Miraflores and Surco.

(460) Wyoming

ISC	**XII**	**31 19 00 59.7–1.0**	**43.68N–.05**	**105.10W–.08**	**0**		**45**	**1-20**
IDC	XII	31 19 00 54.7–2.9	42.90N	105.00W	0	3.3,3.2		**¶602380511**
NEIC	XII	31 19 01 03.4–.94	43.53N	105.45W	0	3.2L,3.2		

ISC Event type sm.

IDC Error ellipse: s-maj=51.7km s-min=10.1km az=158.0.

NEIC Event type fm. Error ellipse: s-maj=12.7km s-min=5.4km az=72.0. 68 km [42 miles] E of Midwest. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

JMA	**XII**	**31 20 36 13.7**	**39.11N**	**142.13E**	**45–1**	**3.6**	
							¶606079773

JMA Event type fe.

PROBABLE EXPLOSIONS

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VII**	**01 05 08 41.7–1.6**	**67.62N–.04**	**33.92E–.08**	**0**		**62**	**0-12**
ISCJB	VII	01 05 08 41.7–1.1	67.59N–.03	33.6E–.20	0			¶603512861
HEL	VII	01 05 08 43.2–.50	67.61N	33.87E	0	2.3L		
CSEM	VII	01 05 08 43.3–.73	67.59N	33.68E	2	2.3L		
KOLA	VII	01 05 08 44.0	67.67N	33.78E	0	2.3L		
NAO	VII	01 05 08 46.6–1.7	67.65N	33.17E		3.0L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.8km s-min=4.7km az=2.1.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=8.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=15.0km s-min=8.0km az=99.0. Mining explosion.
KOLA Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(536) Sweden

HEL	**VII**	**01 15 25 20.9–.10**	**67.85N**	**20.20E**	**0**	**1.4L,1.1L**		
UPP	VII	01 15 25 20.4	67.83N	20.21E	0	1.5L,1.1L		¶604535883
CSEM	VII	01 15 25 20.4	67.83N	20.21E	0	1.5L,1.1L		

HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**02 12 15 28.5–2.5**	**54.12N**	**87.02E**	**0**	**3.1,3.1**		
NNC	VII	02 12 15 20.9–2.8	53.86N	87.69E	4–25	3.6b,3.2		¶601275636

IDC Error ellipse: s-maj=21.0km s-min=13.3km az=64.0.
NNC Event type sm. Error ellipse: s-maj=27.8km s-min=12.5km az=48.0. Suspected Mining explosion.

(366) Turkey

ISC	**VII**	**02 15 39 22.7–.99**	**37.12N–.03**	**37.23E–.05**	**0**		**27**	**0-2**
ISCJB	VII	02 15 39 22.7–.58	37.12N–.04	37.17E–.06	0			¶601830442
CSEM	VII	02 15 39 22.9–.17	37.12N	37.17E	1	2.3L		
DDA	VII	02 15 39 23.2	37.08N	37.16E	7	2.7L		
ISK	VII	02 15 39 23.0	37.16N	37.16E	6–0	2.3L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.6km s-min=5.9km az=163.1.
CSEM Event type sm. Error ellipse: s-maj=4.4km s-min=4.0km az=131.0. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(646) Northern Norway

ISC	**VII**	**02 22 36 15.8–1.2**	**66.04N–.02**	**13.35E–.03**	**1–9**		**219**	**0-17**
UPP	VII	02 22 36 14.5–2.3	65.88N	13.13E	0	2.5L		¶601233564
HEL	VII	02 22 36 14.5	65.88N	13.13E	10	2.5L		
BER	VII	02 22 36 16.9–.83	66.08N	13.36E	5	3.1L,2.4L		
IDC	VII	02 22 36 16.4–1.3	66.07N	13.41E	0	3.4,3.4		
NAO	VII	02 22 36 16.2–1.1	66.06N	13.32E		3.1L,3.4		
CSEM	VII	02 22 36 17.7–.18	66.02N	13.53E	10	2.7L,3.4		

ISC Event type ke.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=2.5km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=7.4km az=116.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.4km az=124.0.

(548) Poland

ISC	**VII**	**03 03 14 21.4–.77**	**50.08N–.03**	**18.43E–.02**	**0**		**75**	**0-4**
ISCJB	VII	03 03 14 20.1–.49	50.11N–.03	18.38E–.03	0			¶601240419
IPEC	VII	03 03 14 21.3–.27	50.09N	18.47E	1–2	1.7L		
CSEM	VII	03 03 14 21.3–.22	50.09N	18.42E	2	2.6L		
WAR	VII	03 03 14 21.7	50.06N	18.44E	1	2.4W		
PRU	VII	03 03 14 22.2	50.06N	18.38E	0	2.4W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=2.5km az=18.4.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.5km az=70.0.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=2.6km az=15.0.
PRU Event type ki.

(366) Turkey

ISC	**VII**	**03 06 59 34.0–1.1**	**37.00N–.02**	**27.69E–.02**	**0**		**36**	**0-1**
ISCJB	VII	03 06 59 34.7–.50	37.01N–.03	27.64E–.04	0			¶601830477
CSEM	VII	03 06 59 34.8–.13	37.01N	27.63E	1	2.6L		
DDA	VII	03 06 59 34.3	36.99N	27.62E	7	2.6L		
ISK	VII	03 06 59 34.0	37.01N	27.62E	5–0	2.2L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.9km az=10.5.
CSEM Event type sm. Error ellipse: s-maj=3.0km s-min=2.6km az=99.0. Suspected Mining explosion.
DDA Event type ke.
ISK Event type ke.

(366) Turkey

ISC	**VII**	**03 09 02 19.1–1.0**	**38.36N–.05**	**38.20E–.02**	**0**		**22**	**0-1**
ISCJB	VII	03 09 02 18.3–1.1	38.23N–.07	38.19E–.03	0			¶602994486
CSEM	VII	03 09 02 18.1	38.23N	38.19E	7	2.8L		
DDA	VII	03 09 02 18.1	38.23N	38.19E	7	2.8L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.8km s-min=3.7km az=0.2.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**03 10 03 55.7–3.3**	**53.55N**	**87.78E**	**0**	**3.3,3.3**		
KRAR	VII	03 10 03 54.7–.29	53.57N	87.76E		2.2,3.3		¶601352108
NNC	VII	03 10 03 56.6–2.3	53.57N	87.67E	0	3.7b,3.4		

IDC Error ellipse: s-maj=29.8km s-min=15.7km az=61.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=21.4km s-min=9.6km az=46.0. Suspected Mining explosion.

(358) Romania

BEO	**VII**	**03 12 24 25.8–.40**	**44.14N**	**22.15E**	**0**	**1.8L**		
								¶601732984

BEO Event type km. Mining explosion.

(366) Turkey

ISC	**VII**	**04 05 06 00.0–.80**	**40.22N–.03**	**31.71E–.02**	**0**		**46**	**0-2**
ISCJB	VII	04 05 06 00.6–.43	40.18N–.03	31.71E–.03	0			¶601830540
CSEM	VII	04 05 06 00.8–.23	40.17N	31.70E	2	2.5L		
DDA	VII	04 05 06 00.4	40.17N	31.73E	8	2.3L		
ISK	VII	04 05 06 01.1	40.14N	31.65E	8–0	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.3km az=143.1.
CSEM Event type sm. Error ellipse: s-maj=5.2km s-min=4.4km az=145.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(364) Greece

ATH	**VII**	**04 07 16 24.4**	**40.42N**	**21.85E**	**1–6**	**0.0L**		
CSEM	VII	04 07 16 24.3–.11	40.43N	21.86E	2	1.5L		¶603224913
THE	VII	04 07 16 24.5	40.43N	21.88E	2–23	1.5L		

ATH Event type sm. Error ellipse: s-maj=6.7km s-min=1.4km az=191.0. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=3.1km s-min=2.1km az=28.0. Suspected Mining explosion.
THE Event type ke. Error ellipse: s-maj=23.0km s-min=0.5km az=0.0.

(326) Southwestern Siberia

IDC	**VII**	**04 07 44 37.0–3.2**	**53.54N**	**90.73E**	**0**	**3.4,3.4**		
KRAR	VII	04 07 44 33.3–.20	53.75N	91.00E		2.9,3.4		¶601404218
NNC	VII	04 07 44 35.5–3.0	53.77N	90.64E	0	4.1b,3.8		

IDC Error ellipse: s-maj=27.7km s-min=23.0km az=53.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=22.2km s-min=17.4km az=56.0. Suspected Mining explosion.

(548) Poland

PRU	**VII**	**04 11 12 03.7**	**50.17N**	**19.03E**	**0**			
								¶601252156

PRU Event type ki.

(366) Turkey

ISC	**VII**	**04 14 28 58.8–.93**	**37.15N–.04**	**28.08E–.04**	**0**		**23**	**0-2**
ISCJB	VII	04 14 28 59.6–.66	37.19N–.05	28.12E–.07	0			¶601830560
CSEM	VII	04 14 28 59.8–.37	37.19N	28.16E	1	2.5L		
ISK	VII	04 14 28 59.0	37.22N	28.09E	8–0	2.5L		
DDA	VII	04 14 29 00.2	37.23N	28.14E	7	2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.9km s-min=4.5km az=135.9.
CSEM Event type sm. Error ellipse: s-maj=10.2km s-min=6.2km az=28.0. Suspected Mining explosion.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISK	**VII**	**04 14 54 14.1**	**37.07N**	**27.98E**	**5–0**	**2.4L**		
CSEM	VII	04 14 54 14.9–.29	37.06N	28.05E	2	2.4L		¶601830561
DDA	VII	04 14 54 14.9	37.10N	28.04E	7	2.3L		

ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=6.7km s-min=5.2km az=18.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(535) Southern Norway

BER	**VII**	**04 14 54 26.9–1.9**	**59.32N**	**5.62E**	**0**	**1.4L**		
								¶605670982

BER Event type sh. Error ellipse: s-maj=2.7km s-min=6.9km az=-1.0. Suspected explosion.

(548) Poland

ISC	**VII**	**04 16 17 46.8–.78**	**50.04N–.03**	**19.15E–.02**	**0**		**52**	**0-4**
ISCJB	VII	04 16 17 46.3–.59	50.15N–.04	19.10E–.03	0			¶601252161
CSEM	VII	04 16 17 46.9–.39	50.11N	19.13E	1	2.6L		
PRU	VII	04 16 17 47.6	50.14N	19.13E	0	2.6L		
WAR	VII	04 16 17 48.0	50.10N	19.20E	1	2.3W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.8km az=14.0.
CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=4.4km az=12.0.
PRU Event type ki.

(460) Wyoming

ISC	**VII**	**04 19 03 41.7–.86**	**43.77N–.04**	**105.24W–.04**	**0**		**34**	**1-61**
ISCJB	VII	04 19 03 40.6–.43	43.79N–.04	105.21W–.05	0	4.3b		¶601663487
NEIC	VII	04 19 03 41.9–.47	43.78N	105.25W	0	3.2L		
IDC	VII	04 19 03 45.0–3.3	43.91N	105.74W	26–27	3.9,3.9b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=4.8km az=155.3.
NEIC Event type fm. Error ellipse: s-maj=7.5km s-min=6.4km az=148.0. 60 km [38 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.1km s-min=13.2km az=149.0.

(366) Turkey

ISC	**VII**	**05 08 36 05.6–.92**	**41.32N–.03**	**35.84E–.03**	**0**		**39**	**0-2**
ISCJB	VII	05 08 36 05.8–.57	41.33N–.05	35.88E–.05	0			¶601830609
DDA	VII	05 08 36 05.7	41.35N	35.82E	7	3.1L		
ISK	VII	05 08 36 05.5	41.41N	35.94E	8–0	2.6L		
CSEM	VII	05 08 36 06.1–.26	41.32N	35.85E	2	3.1L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.6km s-min=4.1km az=33.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=7.4km s-min=4.7km az=36.0. Suspected Mining explosion.

(383) Northwestern Balkan Peninsula

LJU	**VII**	**05 10 00 57.3**	**45.96N**	**14.76E**	**0**	**0.3L**		
CSEM	VII	05 10 00 57.3	45.96N	14.76E	0	0.3L		¶603242669

LJU Artificial.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**05 10 05 30.2–2.5**	**53.55N**	**87.80E**	**0**	**3.6,3.6**		
KRAR	VII	05 10 05 22.3–.33	53.59N	87.32E		2.2,3.6		¶601404916
NNC	VII	05 10 05 31.8–4.3	53.40N	87.77E	0	4.0b,3.6		

IDC Error ellipse: s-maj=22.2km s-min=13.5km az=65.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=36.7km s-min=24.5km az=7.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**05 11 01 03.6–2.5**	**53.51N**	**87.83E**	**0**	**3.3,3.3**		
KRAR	VII	05 11 01 03.0–.23	53.57N	87.80E		2.5,3.3		¶601404920
NNC	VII	05 11 01 08.7–3.1	53.39N	87.50E	0	3.7b,3.3		

IDC Error ellipse: s-maj=21.2km s-min=12.8km az=61.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=29.4km s-min=20.2km az=175.0. Suspected Mining explosion.

(366) Turkey

ISC	**VII**	**05 15 00 17.8–.94**	**37.02N–.02**	**27.49E–.02**	**0**		**45**	**0-2**
DDA	VII	05 15 00 17.6	37.02N	27.46E	11	2.4L		¶601830629
ISK	VII	05 15 00 17.9	36.99N	27.43E	7–0	2.5L		
ISCJB	VII	05 15 00 18.2–.44	37.03N–.03	27.48E–.04	0	2.5L		
CSEM	VII	05 15 00 18.2–.19	37.01N	27.44E	1	2.4L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.4km az=144.9.
CSEM Event type sm. Error ellipse: s-maj=4.4km s-min=3.4km az=56.0. Suspected Mining explosion.

(367) Turkey-Georgia-Armenia border region

ISC	**VII**	**05 15 03 27.1–.78**	**40.88N–.02**	**43.19E–.02**	**0**		**63**	**0-2**
ISCJB	VII	05 15 03 27.9–.37	40.90N–.02	43.21E–.03	0			¶601830630
CSEM	VII	05 15 03 27.7–.21	40.87N	43.22E	2	2.6L		
DDA	VII	05 15 03 27.2	40.92N	43.26E	7	2.7L		
TIF	VII	05 15 03 27.6	40.86N	43.28E	15–1	2.7L		
ISK	VII	05 15 03 27.4	40.94N	43.24E	12–0	2.6L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.3km s-min=2.8km az=44.3.
CSEM Event type sm. Error ellipse: s-maj=5.6km s-min=4.0km az=141.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(536) Sweden

ISC	**VII**	**05 17 02 00.1–.73**	**67.08N–.02**	**21.04E–.03**	**0**		**99**	**1-8**
KOLA	VII	05 17 01 57.3	65.80N	21.36E	0			¶605673248
ISCJB	VII	05 17 01 59.5–.37	67.05N–.02	21.09E–.07	0			
HEL	VII	05 17 02 00.8–.10	67.08N	20.94E	0	2.0L,1.9L		
CSEM	VII	05 17 02 00.2–.22	67.10N	21.05E	2	1.9L,1.9L		
NAO	VII	05 17 02 00.4–1.0	67.10N	21.23E		2.2L,1.9L		
UPP	VII	05 17 02 01.3	67.03N	21.07E	1	1.9L,1.9L		
BER	VII	05 17 02 03.0–4.1	67.07N	20.87E	0	2.2L,1.7L		

ISC Event type km.
KOLA Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.1km s-min=2.7km az=11.4.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.0km s-min=3.8km az=108.0. Mining explosion.
UPP Event type km. Mining explosion.
BER Event type sh. Error ellipse: s-maj=10.1km s-min=42.4km az=-1.0. Suspected explosion.

(548) Poland

ISC	**VII**	**05 17 11 07.9–1.7**	**51.49N–.08**	**16.18E–.05**	**0**		**37**	**1-3**
CSEM	VII	05 17 11 08.2–.81	51.46N	16.12E	2	2.6L		¶601252179

PRU VII 05 17 11 09.8 51.43N 16.08E 0 2.6L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=12.6km s-min=7.0km az=10.0.
PRU Event type ki.

(326) Southwestern Siberia

NNC VII 06 08 34 13.2–2.8 53.45N 87.64E 0 3.8b,3.5
¶601451785

NNC Event type sm. Error ellipse: s-maj=24.0km s-min=11.7km az=59.0. Suspected Mining explosion.

(366) Turkey

ISC VII 06 09 16 15.6–.91 37.21N–.03 28.19E–.02 0 35 0-1
DDA VII 06 09 16 15.0 37.21N 28.18E 7 2.3L **¶601830685**
ISCJB VII 06 09 16 15.5–.47 37.22N–.03 28.21E–.03 0 2.3L
CSEM VII 06 09 16 15.5–.26 37.23N 28.20E 1 1.9L
ISK VII 06 09 16 15.4 37.21N 28.18E 5–0 1.9L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=3.3km az=31.0.
CSEM Event type sm. Error ellipse: s-maj=6.4km s-min=4.2km az=36.0. Suspected Mining explosion.
ISK Event type ke.

(548) Poland

ISC VII 06 11 40 14.7–.67 50.23N–.02 19.01E–.02 0 107 0-20
ISCJB VII 06 11 40 12.8–.42 50.32N–.03 19.01E–.03 0 **¶601252188**
IPEC VII 06 11 40 13.4–3.5 50.24N 19.19E 0 2.6L
CSEM VII 06 11 40 14.3–.23 50.29N 19.02E 2 3.3L
IDC VII 06 11 40 14.6–2.8 49.93N 19.32E 0 3.5,3.4
PRU VII 06 11 40 15.0 50.26N 19.02E 0 3.5,3.4
WAR VII 06 11 40 15.8 50.21N 19.08E 1 2.9W,3.4
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.1km s-min=2.4km az=18.5.
IPEC Event type ki. Error ellipse: s-maj=28.9km s-min=22.1km az=165.0.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=2.4km az=12.0.
IDC Error ellipse: s-maj=46.4km s-min=9.9km az=136.0.
PRU Event type ki.

(548) Poland

ISC VII 06 15 01 01.4–.88 50.23N–.04 19.22E–.02 0 47 0-4
ISCJB VII 06 15 01 00.5–.72 50.26N–.04 19.19E–.04 0 **¶601252192**
CSEM VII 06 15 01 01.7–.43 50.26N 19.22E 2 2.5L
PRU VII 06 15 01 02.2 50.24N 19.22E 0 2.5L
WAR VII 06 15 01 03.4 50.18N 19.34E 1 2.2W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=2.9km az=14.8.
CSEM Event type ki. Error ellipse: s-maj=9.7km s-min=4.1km az=10.0.
PRU Event type ki.

(460) Wyoming

ISC VII 06 16 11 47.9–.95 43.87N–.05 105.41W–.04 0 19 1-9
ISCJB VII 06 16 11 47.1–.55 43.86N–.04 105.44W–.05 0 **¶601663546**
NEIC VII 06 16 11 49.2–.77 43.95N 105.41W 0 2.9L
IDC VII 06 16 11 49.1–2.0 43.86N 105.40W 0 3.8,3.6
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=4.7km az=157.0.
NEIC Event type fm. Error ellipse: s-maj=12.6km s-min=9.1km az=153.0. 39 km [24 miles] S of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.3km s-min=8.8km az=149.0.

(456) Montana

ISC VII 06 17 21 60.0–1.3 46.07N–.07 106.76W–.07 0 8 1-8
ISCJB VII 06 17 22 00.7–.94 45.92N–.09 106.8W–.10 0 **¶601663548**
IDC VII 06 17 22 00.7–3.6 45.83N 106.75W 0 3.5L,2.8
NEIC VII 06 17 22 01.3–.93 45.95N 106.80W 0 2.8L,2.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=16.1km s-min=10.6km az=39.6.
IDC Error ellipse: s-maj=63.4km s-min=27.2km az=124.0.
NEIC Event type fm. Error ellipse: s-maj=16.6km s-min=10.8km az=133.0. 15 km [9 miles] WNW of Colstrip. Suspected Mining explosion.

(548) Poland

ISC VII 06 18 39 22.0–1.8 51.48N–.08 16.12E–.05 0 32 1-3
CSEM VII 06 18 39 21.5–.58 51.50N 16.14E 1 2.7L **¶601252195**
PRU VII 06 18 39 22.1 51.50N 16.09E 0 2.7L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=5.3km az=173.0.
PRU Event type ki.

(460) Wyoming

ISC VII 06 20 13 09.0–.73 43.84N–.04 105.31W–.06 0 3.8b,3.6s 35 1-90
ISCJB VII 06 20 13 08.1–.37 43.83N–.04 105.35W–.05 0 3.9b,3.6s **¶601663558**
IDC VII 06 20 13 08.1–2.6 43.56N 105.33W 0 3.8b,3.8
NEIC VII 06 20 13 09.4–.45 43.78N 105.31W 0 3.6L,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=4.8km az=136.4.
IDC Error ellipse: s-maj=80.8km s-min=8.4km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=8.5km s-min=6.4km az=144.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

PRU VII 06 22 45 54.3 50.22N 19.01E 0
CSEM VII 06 22 45 53.3–.55 50.29N 19.03E 1 2.2L **¶601252199**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=11.8km s-min=5.6km az=10.0.

(548) Poland

ISC VII 06 23 39 37.7–1.8 51.55N–.08 16.19E–.05 0 50 1-4
PRU VII 06 23 39 38.6 51.52N 16.15E 0 **¶601252200**
CSEM VII 06 23 39 38.0–.59 51.52N 16.10E 2 2.7L
VIE VII 06 23 39 44.0–1.1 51.19N 16.44E 0 2.0L
ISC Event type sr.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.2km s-min=6.0km az=18.0.
VIE Event type sr. Error ellipse: s-maj=15.9km s-min=6.6km az=109.0. 41 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

PRU VII 07 03 17 19.3 51.48N 16.11E 0
CSEM VII 07 03 17 20.6 51.44N 16.12E 0 **¶601252202**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.

(326) Southwestern Siberia

NNC VII 07 05 00 10.4–3.1 52.82N 87.76E 0 3.6b,3.2
¶601453551

NNC Event type sm. Error ellipse: s-maj=29.9km s-min=8.3km az=76.0. Suspected Mining explosion.

(548) Poland

ISC VII 07 06 54 58.3–1.7 51.57N–.07 16.08E–.05 0 51 1-3
CSEM VII 07 06 54 58.6–.57 51.54N 16.05E 2 2.8L **¶601252204**
PRU VII 07 06 54 59.2 51.54N 16.08E 0 2.8L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.3km s-min=5.4km az=5.0.
PRU Event type ki.

(548) Poland

ISC VII 07 10 37 42.0–.74 51.55N–.02 16.12E–.02 0 100 1-6
ISCJB VII 07 10 37 40.8–.37 51.51N–.02 16.15E–.03 0 **¶601252205**
CSEM VII 07 10 37 42.6–.15 51.51N 16.11E 2 3.2L
PRU VII 07 10 37 44.4 51.45N 16.13E 0 3.2L
VIE VII 07 10 37 46.1–.68 51.23N 16.20E 0 2.8L,2.2b
UPP VII 07 10 37 47.4–3.1 51.76N 15.62E 0 1.8L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=2.6km az=159.1.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=2.6km az=86.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.5km s-min=4.7km az=59.0. 58 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(366) Turkey

ISC VII 07 12 03 18.2–.98 37.18N–.02 28.63E–.02 0 44 0-1
DDA VII 07 12 03 17.0 37.19N 28.60E 7 2.7 **¶601830760**
ISCJB VII 07 12 03 17.1–.49 37.18N–.03 28.62E–.04 0 2.7
CSEM VII 07 12 03 17.6–.33 37.21N 28.63E 1 2.4L
ISK VII 07 12 03 17.1 37.16N 28.63E 8–0 2.4L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.8km az=146.1.
CSEM Event type sm. Error ellipse: s-maj=7.0km s-min=5.7km az=63.0. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC VII 07 15 07 32.7–.96 37.26N–.03 28.29E–.03 0 26 0-1
ISK VII 07 15 07 31.7 37.24N 28.32E 9–2 2.2L **¶601830767**
ISCJB VII 07 15 07 32.6–.72 37.26N–.04 28.28E–.06 0 2.2L
CSEM VII 07 15 07 32.9–.18 37.24N 28.26E 1 2.2L
DDA VII 07 15 07 32.3 37.22N 28.17E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.8km s-min=4.5km az=151.0.
CSEM Event type sm. Error ellipse: s-maj=4.0km s-min=3.1km az=48.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VII 07 17 26 55.3–.83 40.20N–.03 31.75E–.03 0 31 0-1
ISCJB VII 07 17 26 55.0–.81 40.12N–.04 31.86E–.05 0 **¶601830775**
DDA VII 07 17 26 55.1 40.12N 31.87E 7 2.4L
CSEM VII 07 17 26 55.3–.40 40.11N 31.84E 1 2.6
ISK VII 07 17 26 56.6 40.10N 31.63E 20–0 2.6
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.4km s-min=4.3km az=145.1.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=7.9km s-min=5.0km az=139.0. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC VII 08 11 42 39.2–.90 36.69N–.03 29.25E–.02 0 32 0-1
CSEM VII 08 11 42 39.7–.19 36.68N 29.24E 2 2.4L **¶601830802**
DDA VII 08 11 42 39.1 36.70N 29.24E 7 2.6
ISK VII 08 11 42 39.0 36.67N 29.24E 5–0 2.4L
ISCJB VII 08 11 42 40.0–.55 36.69N–.03 29.23E–.03 0 2.4L
ISC Event type sm.
CSEM Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(460) Wyoming

ISC VII 08 19 14 25.5–.81 43.66N–.04 105.33W–.04 0 30 1-68
IDC VII 08 19 14 22.3–2.5 43.19N 105.13W 0 4.2b,4.1 **¶601664305**
ISCJB VII 08 19 14 25.0–.48 43.70N–.03 105.30W–.05 0 4.4b,4.1
NEIC VII 08 19 14 25.4–.84 43.63N 105.29W 0 3.1L,4.1
ISC Event type sm.
IDC Error ellipse: s-maj=58.3km s-min=9.0km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=4.4km az=23.0.
NEIC Event type fm. Error ellipse: s-maj=12.5km s-min=11.1km az=136.0. 76 km [47 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC VII 08 20 56 27.0–.91 37.12N–.02 28.60E–.02 0 53 0-1
ISK VII 08 20 56 25.9 37.06N 28.60E 4–0 2.6L **¶601830809**
ISCJB VII 08 20 56 26.3–.42 37.09N–.03 28.61E–.03 0 2.6L
CSEM VII 08 20 56 26.4–.17 37.08N 28.61E 1 2.6L
DDA VII 08 20 56 26.4 37.08N 28.57E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.5km az=20.4.
CSEM Event type sm. Error ellipse: s-maj=4.0km s-min=3.3km az=15.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC VII 08 21 05 02.2–.62 43.73N–.03 105.31W–.03 0 127 1-68
ISCJB VII 08 21 05 01.3–.27 43.75N–.02 105.28W–.03 0 4.2b **¶601664308**
NEIC VII 08 21 05 02.9–.24 43.76N 105.25W 0 3.7L
IDC VII 08 21 05 03.1–.95 44.08N 105.73W 0 4.0b,3.9
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.6km az=28.3.
NEIC Event type fm. Error ellipse: s-maj=3.5km s-min=2.9km az=143.0. 64 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.6km s-min=8.7km az=146.0.

(547) Czech and Slovak Republics

ISC VII 09 13 31 59.8–.85 49.81N–.04 18.59E–.03 0 48 0-3
ISCJB VII 09 13 31 59.3–.54 49.84N–.03 18.51E–.03 0 **¶601272546**
CSEM VII 09 13 31 59.5–.40 49.87N 18.56E 1 2.7L
IPEC VII 09 13 32 00.2–.33 49.84N 18.59E 0 1.9L
PRU VII 09 13 32 00.7 49.83N 18.51E 0 1.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.8km s-min=3.0km az=15.2.
CSEM Event type ki. Error ellipse: s-maj=8.4km s-min=3.6km az=30.0.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.8km az=62.0.
PRU Event type ki.

(546) Austria

VIE VII 09 13 56 17.1–.52 47.54N 12.81E 0 1.6L,1.2b
CSEM VII 09 13 56 17.1 47.54N 12.81E 0 1.6L,1.2b **¶604491535**
VIE Event type sm. Error ellipse: s-maj=7.6km s-min=2.6km az=158.0. 10 km ESE of Lofer . Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.

(478) Utah

ISC VII 09 17 58 19.8–1.1 41.10N–.07 112.60W–.06 0 10 1-8
ISCJB VII 09 17 58 19.9–.73 41.10N–.08 112.83W–.09 0 **¶601664344**
NEIC VII 09 17 58 21.2–.65 41.10N 112.79W 0 1.7L
IDC VII 09 17 58 21.3–.90 41.37N 112.97W 0 2.7L,2.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=13.1km s-min=7.7km az=142.0.
NEIC Event type fm. Error ellipse: s-maj=11.8km s-min=6.8km az=142.0. 70 km [44 miles] W of Ogden. Suspected Mining explosion.
IDC Error ellipse: s-maj=47.1km s-min=5.3km az=155.0.

(547) Czech and Slovak Republics

PRU VII 09 19 26 17.6 49.89N 18.45E 0
CSEM VII 09 19 26 17.1–.34 49.93N 18.45E 1 **¶601272549**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=3.6km az=45.0.

(331) Kazakhstan-Xinjiang border region

ISC VII 10 04 49 57.6–.48 50.49N–.05 96.84E–.04 12 3.9b 79 0-167
ISCJB VII 10 04 49 54.8–.33 50.34N–.05 96.69E–.04 12 4.2s,4.0b **¶601605927**
MOS VII 10 04 49 55.1–1.5 50.39N 96.72E 12 4.3b,4.0b
IDC VII 10 04 49 55.4–.77 50.16N 96.74E 0 4.0b,3.9
NEIC VII 10 04 49 56.2–.48 49.93N 96.41E 10 4.4b,3.9
ASRS VII 10 04 50 03.7–1.6 50.66N 96.10E 15 3.6s,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=13.8.
MOS Error ellipse: s-maj=11.7km s-min=7.6km az=42.2.
IDC Error ellipse: s-maj=22.2km s-min=10.9km az=11.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.4km az=211.0.

(366) Turkey

ISC VII 10 08 27 14.1–.80 40.18N–.03 31.67E–.03 0 41 0-1
DDA VII 10 08 27 12.6 40.04N 31.85E 7 2.4L **¶601830903**
ISCJB VII 10 08 27 14.4–.51 40.14N–.03 31.68E–.04 0 2.4L
CSEM VII 10 08 27 14.3–.34 40.12N 31.70E 2 2.5L
ISK VII 10 08 27 15.6 40.10N 31.53E 14–0 2.5L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.5km az=138.4.

CSEM Event type sm. Error ellipse: s-maj=7.1km s-min=6.0km az=133.0. Suspected Mining explosion.
ISK Event type ke.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VII**	**10 09 21 38.8–1.1**	**59.27N–.03**	**27.73E–.05**	**0**		**46**	**1-7**
NAO	VII	10 09 21 37.6–2.2	59.23N	27.64E		2.3L		**¶601272410**
ISCJB	VII	10 09 21 38.9–.82	59.29N–.03	27.60E–.09	0	2.3L		
CSEM	VII	10 09 21 39.5–.53	59.28N	27.61E	2	2.9L		
HEL	VII	10 09 21 39.6–.30	59.24N	27.66E	0	1.8L		
MOS	VII	10 09 21 40.2	59.30N	27.62E		1.9		

ISC Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
ISCJB Event type km. Error ellipse: s-maj=6.7km s-min=4.1km az=22.2.
CSEM Event type km. Error ellipse: s-maj=10.5km s-min=6.4km az=112.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Explosion.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(383) Northwestern Balkan Peninsula

BEO	**VII**	**10 09 22 04.5–1.4**	**45.30N**	**19.96E**	**0**	**1.4L**		
CSEM	VII	10 09 22 04.5	45.30N	19.96E	0	1.4L		**¶601733041**

BEO Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(366) Turkey

ISC	**VII**	**10 09 23 49.4–.79**	**39.72N–.03**	**29.42E–.03**	**0**		**49**	**0-1**
ISCJB	VII	10 09 23 49.3–.43	39.70N–.03	29.49E–.04	0			**¶601830911**
DDA	VII	10 09 23 49.7	39.67N	29.48E	7	2.7L		
CSEM	VII	10 09 23 49.2–.26	39.68N	29.48E	1	2.3L		
ISK	VII	10 09 23 49.5	39.65N	29.51E	18–0	2.3L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=3.5km az=20.8.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=7.1km s-min=4.8km az=112.0. Suspected Mining explosion.
ISK Event type ke.

(547) Czech and Slovak Republics

ISC	**VII**	**10 12 14 39.9–.81**	**49.84N–.03**	**18.52E–.02**	**0**		**66**	**0-3**
ISCJB	VII	10 12 14 39.2–.43	49.84N–.03	18.50E–.03	0			**¶601272559**
CSEM	VII	10 12 14 40.1–.18	49.83N	18.52E	1	3.1L		
IPEC	VII	10 12 14 40.0–.33	49.83N	18.62E	1–2	2.2L		
PRU	VII	10 12 14 41.0	49.82N	18.51E	0	2.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.5km az=15.5.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=2.4km az=15.0.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.8km az=59.0.
PRU Event type ki.

(548) Poland

ISC	**VII**	**10 19 45 50.9–.90**	**50.31N–.05**	**18.81E–.02**	**0**		**54**	**0-4**
ISCJB	VII	10 19 45 49.5–.62	50.36N–.04	18.78E–.03	0			**¶601272565**
CSEM	VII	10 19 45 50.1–.42	50.37N	18.83E	1	2.5L		
PRU	VII	10 19 45 51.3	50.35N	18.82E	0	2.5L		
WAR	VII	10 19 45 51.3	50.36N	18.92E	1	2.4W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=2.6km az=13.4.
CSEM Event type ki. Error ellipse: s-maj=8.6km s-min=4.1km az=13.0.
PRU Event type ki.

(536) Sweden

UPP	**VII**	**10 23 19 56.1–.10**	**67.84N**	**20.19E**	**0**	**1.6L**		
CSEM	VII	10 23 19 56.1	67.84N	20.19E	0	1.6L		**¶603513304**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(536) Sweden

HEL	**VII**	**10 23 19 47.4–.00**	**67.85N**	**20.20E**	**0**	**1.5L,1.4L**		
CSEM	VII	10 23 19 46.5–.15	67.84N	20.26E	0–2	1.5L,1.4L		**¶606505734**

HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=3.4km s-min=2.8km az=153.0. Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VII**	**11 08 18 05.8–1.3**	**60.99N–.06**	**29.04E–.06**	**0**		**29**	**1-9**
ISCJB	VII	11 08 18 04.3–1.2	60.95N–.06	29.1E–.10	0			**¶601272413**
CSEM	VII	11 08 18 06.3–.55	61.06N	29.02E	1	2.2L		
HEL	VII	11 08 18 07.7–.30	60.96N	29.02E	0	2.2L		
MOS	VII	11 08 18 08.7	60.95N	29.00E		2.1		
NAO	VII	11 08 18 08.7–1.9	60.96N	28.92E		2.5L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=11.3km s-min=5.4km az=140.5.
CSEM Event type km. Error ellipse: s-maj=12.2km s-min=6.4km az=133.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Explosion.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(364) Greece

ATH	**VII**	**11 08 59 00.6**	**40.47N**	**21.89E**	**0–9**	**0.0L**		
CSEM	VII	11 08 59 00.6	40.47N	21.89E	0	0.0L		**¶603225328**

ATH Event type sm. Error ellipse: s-maj=9.9km s-min=2.1km az=200.0. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.

(460) Wyoming

ISC	**VII**	**11 18 00 08.0–.96**	**43.86N–.04**	**105.24W–.05**	**0**		**24**	**1-9**
IDC	VII	11 18 00 05.4–2.4	43.50N	105.25W	0	3.9,3.7		**¶601664439**
ISCJB	VII	11 18 00 06.3–.51	43.93N–.04	105.24W–.06	0	3.9,3.7		
NEIC	VII	11 18 00 07.2–.53	43.84N	105.20W	0	3.2L,3.7		

ISC Event type sm.
IDC Error ellipse: s-maj=57.2km s-min=9.8km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=6.5km s-min=5.1km az=18.0.
NEIC Event type fm. Error ellipse: s-maj=8.2km s-min=7.4km az=159.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.

(536) Sweden

UPP	**VII**	**11 23 20 08.5–.00**	**67.82N**	**20.21E**	**0**	**1.6L**		
HEL	VII	11 23 20 08.7	67.82N	20.17E	0	1.6L		**¶604156897**
CSEM	VII	11 23 20 08.6–.19	67.81N	20.21E	2	1.6L		

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.0km s-min=3.9km az=12.0. Mining explosion.

(536) Sweden

UPP	**VII**	**11 23 20 54.4–.10**	**67.86N**	**20.20E**	**0**	**1.8L**		
CSEM	VII	11 23 20 54.4	67.86N	20.20E	0	1.8L		**¶606511729**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**12 08 30 31.4–2.0**	**53.49N**	**87.55E**	**0**	**3.5,3.5**		
ASRS	VII	12 08 30 25.6	53.59N	87.66E		3.0,3.5		**¶601472315**
NNC	VII	12 08 30 33.1–2.5	53.41N	87.44E	0	4.1b,3.7		

IDC Error ellipse: s-maj=18.1km s-min=11.9km az=54.0.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=22.0km s-min=15.5km az=1.0. Suspected Mining explosion.

(366) Turkey

ISC	**VII**	**12 15 23 03.3–.87**	**41.51N–.03**	**35.11E–.02**	**0**		**42**	**0-2**
ISCJB	VII	12 15 23 03.0–.48	41.53N–.03	35.09E–.03	0			**¶601831034**
DDA	VII	12 15 23 02.6	41.54N	35.12E	7	2.6L		
ISK	VII	12 15 23 02.4	41.53N	35.11E	4–0	2.2L		
CSEM	VII	12 15 23 03.0–.20	41.52N	35.10E	1	2.2L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.4km az=3.6.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=4.2km s-min=3.7km az=12.0. Suspected Mining explosion.

(548) Poland

ISC	**VII**	**13 02 00 16.7–.75**	**50.04N–.03**	**19.12E–.02**	**0**		**68**	**0-4**
ISCJB	VII	13 02 00 16.2–.48	50.13N–.03	19.03E–.03	0			**¶601276532**
CSEM	VII	13 02 00 16.8–.35	50.12N	19.09E	2	2.7L		
PRU	VII	13 02 00 17.6	50.12N	19.06E	0	2.7L		
WAR	VII	13 02 00 17.8	50.10N	19.20E	1	2.4W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.8km s-min=2.5km az=15.8.
CSEM Event type ki. Error ellipse: s-maj=8.3km s-min=4.3km az=11.0.
PRU Event type ki.

(548) Poland

ISC	**VII**	**13 04 34 57.9–1.2**	**51.45N–.05**	**16.10E–.02**	**0**		**79**	**1-5**
ISCJB	VII	13 04 34 56.9–.73	51.39N–.03	16.10E–.03	0			**¶601276537**
CSEM	VII	13 04 34 58.1–.44	51.43N	16.08E	2	3.0L		
PRU	VII	13 04 34 58.9	51.42N	16.09E	0	3.0L		
VIE	VII	13 04 34 59.5–.89	51.31N	15.96E	0	2.4b,2.4L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.9km s-min=2.8km az=18.3.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=4.3km az=7.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=5.1km az=30.0. 76 km WNW of Wroclaw . Suspected Mining induced.

(326) Southwestern Siberia

NNC	**VII**	**13 04 43 34.5–4.0**	**53.38N**	**90.41E**	**0**	**4.1b,3.8**		
ASRS	VII	13 04 43 22.0	53.84N	91.02E		3.1,3.8		**¶601475779**

NNC Event type sm. Error ellipse: s-maj=31.8km s-min=27.7km az=74.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(548) Poland

ISC	**VII**	**13 05 15 24.4–.92**	**50.37N–.05**	**18.86E–.02**	**0**		**50**	**0-4**
ISCJB	VII	13 05 15 23.7–.65	50.34N–.04	18.80E–.03	0			**¶601276539**
CSEM	VII	13 05 15 24.3–.41	50.34N	18.84E	2			
WAR	VII	13 05 15 24.7	50.36N	18.92E	1	2.5W		
PRU	VII	13 05 15 25.0	50.34N	18.86E	0	2.5W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=2.7km az=9.9.
CSEM Event type ki. Error ellipse: s-maj=8.7km s-min=4.1km az=13.0.
PRU Event type ki.

(548) Poland

ISC	**VII**	**13 09 53 16.8–.97**	**50.18N–.07**	**19.21E–.02**	**0**		**37**	**0-4**
ISCJB	VII	13 09 53 15.9–.70	50.20N–.06	19.16E–.03	0			**¶601276542**
CSEM	VII	13 09 53 16.8–.30	50.21N	19.20E	1	2.5L		
PRU	VII	13 09 53 17.6	50.18N	19.20E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.4km s-min=3.1km az=3.7.
CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=3.2km az=3.0.
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VII**	**13 11 54 48.0–1.9**	**67.60N–.04**	**34.13E–.09**	**0**		**63**	**0-12**
HEL	VII	13 11 54 49.2–.40	67.57N	34.09E	0	2.5L		**¶603513405**
CSEM	VII	13 11 54 50.7–.68	67.49N	33.58E	1	2.5L		
KOLA	VII	13 11 54 50.5	67.66N	33.94E	0	2.5L		
NAO	VII	13 11 54 54.6–2.4	67.57N	33.04E		2.9L		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=7.1km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=13.5km s-min=6.2km az=85.0. Mining explosion.
KOLA Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(547) Czech and Slovak Republics

ISC	**VII**	**13 12 58 11.6–.76**	**49.78N–.03**	**18.56E–.02**	**0**		**78**	**0-3**
ISCJB	VII	13 12 58 10.0–.43	49.87N–.03	18.46E–.03	0			**¶601276544**
IPEC	VII	13 12 58 11.6–.17	49.84N	18.58E	0	2.4L		
CSEM	VII	13 12 58 11.3–.21	49.83N	18.50E	1	3.1L		
VIE	VII	13 12 58 12.6–.80	49.69N	18.47E	0	2.8L,2.3b		
PRU	VII	13 12 58 12.1	49.86N	18.50E	0	2.8L,2.3b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.4km az=16.4.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=163.0.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=2.7km az=11.0.
VIE Event type sr. Error ellipse: s-maj=7.6km s-min=5.0km az=1.0. 22 km SE of Ostrava . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC	**VII**	**13 16 31 52.6–.73**	**50.20N–.03**	**18.80E–.02**	**0**		**81**	**0-20**
ISCJB	VII	13 16 31 51.9–.45	50.28N–.03	18.73E–.03	0			**¶601276549**
CSEM	VII	13 16 31 52.6–.35	50.25N	18.77E	2	2.8L		
PRU	VII	13 16 31 53.3	50.27N	18.79E	0	2.8L		
VIE	VII	13 16 31 55.3–.92	49.87N	18.84E	0	2.6L,2.3b		
IDC	VII	13 16 31 57.5–2.9	50.46N	19.04E	0	3.4,3.3		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=2.3km az=10.1.
CSEM Event type ki. Error ellipse: s-maj=7.6km s-min=3.4km az=8.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=9.6km s-min=6.3km az=168.0. 43 km E of Ostrava . Suspected Mining induced.
IDC Error ellipse: s-maj=54.5km s-min=11.4km az=131.0.

(547) Czech and Slovak Republics

PRU	**VII**	**13 21 37 29.1**	**49.86N**	**18.56E**	**0**			
CSEM	VII	13 21 37 27.3–.78	49.92N	18.62E	1			**¶601276555**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=14.0km s-min=5.8km az=43.0.

(366) Turkey

ISC	**VII**	**14 00 39 37.1–.76**	**37.27N–.03**	**28.39E–.02**	**0**		**60**	**0-1**
ISCJB	VII	14 00 39 37.6–.38	37.22N–.02	28.36E–.03	0			**¶601831125**
CSEM	VII	14 00 39 37.7–.15	37.22N	28.36E	1	2.0L		
DDA	VII	14 00 39 37.3	37.20N	28.33E	6	2.5L		
ISK	VII	14 00 39 37.3	37.22N	28.37E	7–0	2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.5km s-min=2.7km az=31.2.
CSEM Event type sm. Error ellipse: s-maj=3.3km s-min=2.6km az=29.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(547) Czech and Slovak Republics

PRU	**VII**	**14 04 33 02.0**	**49.85N**	**18.47E**	**0**			
CSEM	VII	14 04 33 00.8–.95	49.81N	18.52E	1			**¶601276562**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=15.9km s-min=12.3km az=47.0.

(548) Poland

PRU	**VII**	**14 08 21 29.9**	**50.23N**	**19.03E**	**0**			
CSEM	VII	14 08 21 28.8–.32	50.34N	19.00E	1			**¶601276563**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=14.7km s-min=3.3km az=179.0.

(366) Turkey

ISC	**VII**	**14 15 11 39.4–.81**	**37.25N–.02**	**28.13E–.03**	**0**		**51**	**0-2**
ISCJB	VII	14 15 11 40.4–.43	37.22N–.03	28.21E–.03	0			**¶601831150**
CSEM	VII	14 15 11 40.5–.15	37.22N	28.21E	1	2.5L		
DDA	VII	14 15 11 40.5	37.23N	28.21E	7	2.3L		
ISK	VII	14 15 11 40.0	37.21N	28.21E	10–0	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.3km s-min=3.3km az=37.1.
CSEM Event type sm. Error ellipse: s-maj=3.5km s-min=2.6km az=45.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**VII**	**14 21 45 51.9–.90**	**37.12N–.03**	**28.65E–.04**	**0**		**29**	**0-1**
DDA	VII	14 21 45 51.6	37.05N	28.53E	7	2.5L		**¶601831158**
ISCJB	VII	14 21 45 52.7–.60	37.08N–.03	28.58E–.05	0	2.5L		
CSEM	VII	14 21 45 52.9–.33	37.10N	28.59E	1	1.8L		
ISK	VII	14 21 45 52.3	37.02N	28.52E	11–0	1.8L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.

ISCJB Event type sm. Error ellipse: s-maj=6.0km s-min=4.3km az=149.6.
CSEM Event type sm. Error ellipse: s-maj=8.8km s-min=6.0km az=63.0. Suspected Mining explosion.
ISK Event type ke.

(548) Poland

ISC	**VII**	**14 23 14 41.1–.64**	**51.52N–.03**	**16.20E–.02**	**0**		**136**	**1-19**
ISCJB	VII	14 23 14 40.0–.29	51.48N–.02	16.21E–.03	0			¶601273543
CSEM	VII	14 23 14 42.0–.13	51.46N	16.17E	2	3.4L,2.6W		
IDC	VII	14 23 14 43.3–.75	51.42N	16.21E	0	3.3,3.2		
PRU	VII	14 23 14 43.5	51.43N	16.17E	0	3.3,3.2		
VIE	VII	14 23 14 45.2–1.0	51.25N	16.30E	0	2.8L,2.4b		
UPP	VII	14 23 14 46.6–3.0	51.69N	15.76E	2	1.7L,2.4b		
WAR	VII	14 23 14 47.9	51.02N	15.80E	1	2.6W,2.4b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.2km az=157.9.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=2.4km az=94.0.
IDC Error ellipse: s-maj=14.9km s-min=6.8km az=101.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=10.4km s-min=7.6km az=44.0. 52 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(536) Sweden

HEL	**VII**	**14 23 19 56.4–.10**	**67.83N**	**20.23E**	**0**	**1.7L,1.6L**		
CSEM	VII	14 23 19 55.5–.19	67.83N	20.26E	2	1.7L,1.6L		¶603513453
UPP	VII	14 23 19 55.7–.10	67.82N	20.21E	0	1.7L,1.6L		

HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
CSEM Event type km. Mining explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(536) Sweden

UPP	**VII**	**14 23 20 03.7–.10**	**67.83N**	**20.18E**	**0**	**1.7L**		
CSEM	VII	14 23 19 59.0–.32	67.69N	20.99E	1	1.7L		¶606505544

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=14.3km s-min=6.8km az=26.0. Mining explosion.

(547) Czech and Slovak Republics

ISC	**VII**	**15 03 18 33.8–.74**	**49.83N–.03**	**18.55E–.02**	**0**		**97**	**0-4**
ISCJB	VII	15 03 18 33.1–.39	49.86N–.03	18.46E–.03	0			¶601276575
CSEM	VII	15 03 18 34.4–.24	49.82N	18.50E	1	2.9L		
IPEC	VII	15 03 18 34.9–.17	49.83N	18.59E	0–3	2.2L		
PRU	VII	15 03 18 35.4	49.82N	18.49E	0	2.2L		
VIE	VII	15 03 18 36.2–.84	49.65N	18.47E	0	2.4b,2.4L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=2.3km az=19.3.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=3.3km az=18.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=164.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.3km s-min=6.0km az=32.0. 25 km SE of Ostrava . Suspected Mining induced.

(548) Poland

ISC	**VII**	**15 05 06 23.2–1.7**	**51.42N–.07**	**16.18E–.04**	**0**		**51**	**1-4**
CSEM	VII	15 05 06 23.8–.65	51.43N	16.15E	1	2.6L		¶601276577
VIE	VII	15 05 06 25.9–1.1	51.26N	15.97E	0	2.2b,2.1L		

ISC Event type sr.
CSEM Event type sr. Error ellipse: s-maj=11.6km s-min=8.4km az=50.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=8.1km s-min=5.8km az=46.0. 74 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**VII**	**15 09 15 30.1–.85**	**37.14N–.02**	**28.63E–.03**	**0**		**44**	**0-1**
ISCJB	VII	15 09 15 30.7–.47	37.06N–.03	28.56E–.04	0			¶601831179
DDA	VII	15 09 15 30.1	37.05N	28.55E	7	2.5L		
ISK	VII	15 09 15 31.0	37.00N	28.50E	10–0	2.1L		
CSEM	VII	15 09 15 31.1–.27	37.07N	28.57E	1	2.1L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.2km s-min=3.7km az=139.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=7.1km s-min=4.8km az=46.0. Suspected Mining explosion.

(366) Turkey

ISC	**VII**	**15 15 05 04.1–.98**	**37.22N–.02**	**28.19E–.02**	**0**		**47**	**0-2**
ISK	VII	15 15 05 02.9	37.24N	28.16E	5–0	2.5L		¶601831195
ISCJB	VII	15 15 05 03.6–.45	37.23N–.03	28.22E–.03	0	2.5L		
CSEM	VII	15 15 05 03.7–.18	37.24N	28.22E	1	2.5L		
DDA	VII	15 15 05 03.1	37.20N	28.21E	7	2.4L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.3km s-min=3.8km az=33.4.
CSEM Event type sm. Error ellipse: s-maj=4.3km s-min=3.5km az=53.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**VII**	**16 09 03 45.6–.86**	**50.20N–.04**	**19.16E–.02**	**0**		**50**	**0-4**
ISCJB	VII	16 09 03 46.0–.62	50.16N–.04	19.04E–.03	0			¶601405194
CSEM	VII	16 09 03 47.0–.41	50.15N	19.08E	2	2.7L		
PRU	VII	16 09 03 47.5	50.15N	19.10E	0	2.7L		
WAR	VII	16 09 03 48.3	50.10N	19.20E	1	2.3W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.9km s-min=2.7km az=8.7.
CSEM Event type ki. Error ellipse: s-maj=9.2km s-min=4.3km az=8.0.
PRU Event type ki.

(366) Turkey

ISC	**VII**	**17 04 10 59.1–.84**	**40.18N–.03**	**31.77E–.03**	**0**		**50**	**0-2**
ISCJB	VII	17 04 10 59.5–.44	40.13N–.03	31.76E–.04	0			¶601831275
CSEM	VII	17 04 10 59.6–.19	40.14N	31.75E	1	2.5L		
ISK	VII	17 04 10 59.7	40.12N	31.76E	10–0	2.4L		
DDA	VII	17 04 11 00.3	40.15N	31.67E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.9km az=139.2.
CSEM Event type sm. Error ellipse: s-maj=4.3km s-min=3.8km az=13.0. Suspected Mining explosion.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**VII**	**17 08 25 46.2–.89**	**39.66N–.03**	**29.37E–.03**	**0**		**30**	**0-1**
DDA	VII	17 08 25 45.9	39.69N	29.36E	7	2.7L		¶601831281
ISCJB	VII	17 08 25 46.0–.71	39.68N–.04	29.42E–.05	0	2.7L		
CSEM	VII	17 08 25 46.1–.18	39.65N	29.39E	2	2.7L		
ISK	VII	17 08 25 46.0	39.65N	29.55E	13–1	2.0L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=5.1km az=160.6.
CSEM Event type sm. Error ellipse: s-maj=4.2km s-min=3.6km az=102.0. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**VII**	**17 09 21 21.4–.83**	**39.57N–.03**	**28.94E–.03**	**0**		**36**	**0-1**
ISK	VII	17 09 21 21.9	39.60N	28.88E	4–0	2.6L		¶601831289
ISCJB	VII	17 09 21 22.0–.47	39.60N–.03	28.88E–.04	0	2.6L		
CSEM	VII	17 09 21 22.2–.18	39.60N	28.86E	1	2.3L		
DDA	VII	17 09 21 22.1	39.61N	28.86E	7	2.3L		

ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.0km s-min=3.8km az=136.1.
CSEM Event type sm. Error ellipse: s-maj=4.1km s-min=3.1km az=59.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**17 12 17 56.9–2.7**	**54.07N**	**87.24E**	**0**	**3.1,3.1**		
NNC	VII	17 12 17 57.9–4.5	54.15N	86.99E	0	3.5b,3.2		¶601497218

IDC Error ellipse: s-maj=24.4km s-min=15.6km az=63.0.
NNC Event type sm. Error ellipse: s-maj=59.2km s-min=28.8km az=161.0. Suspected Mining explosion.

(548) Poland

ISC	**VII**	**17 16 16 19.3–1.9**	**51.45N–.09**	**16.14E–.05**	**0**		**25**	**1-3**
								¶606544400

ISC Event type si.

(536) Sweden

ISC	**VII**	**17 17 13 19.4–.69**	**67.08N–.02**	**20.93E–.02**	**0**		**140**	**0-8**
ISCJB	VII	17 17 13 18.4–.26	67.04N–.02	20.96E–.05	0			¶601357574
HEL	VII	17 17 13 19.8–.00	67.09N	20.93E	0	2.3L,2.3L		
UPP	VII	17 17 13 19.1–.10	67.10N	20.95E	0	2.3L,2.3L		
CSEM	VII	17 17 13 19.4–.16	67.09N	20.92E	2	2.3L,2.3L		
NAO	VII	17 17 13 20.0–.90	67.11N	21.07E		2.6L,2.3L		
IDC	VII	17 17 13 20.4–.88	67.07N	21.22E	0	2.9,2.9		
BER	VII	17 17 13 22.7–3.0	67.12N	20.86E	0	2.6L,1.7L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.1km s-min=2.4km az=179.9.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=4.4km s-min=3.4km az=93.0. Mining explosion.
IDC Error ellipse: s-maj=15.1km s-min=7.6km az=115.0.
BER Event type sh. Error ellipse: s-maj=5.2km s-min=17.1km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics

ISC	**VII**	**17 18 37 08.0–.71**	**49.80N–.02**	**18.51E–.02**	**0**		**111**	**0-6**
ISCJB	VII	17 18 37 06.9–.30	49.81N–.02	18.44E–.02	0			¶601405222
CSEM	VII	17 18 37 08.1–.23	49.81N	18.48E	1	2.8L		
IPEC	VII	17 18 37 08.2–.17	49.82N	18.59E	0	2.8L		
PRU	VII	17 18 37 09.0	49.82N	18.49E	0	2.8L		
VIE	VII	17 18 37 10.3–1.0	49.58N	18.39E	0	2.7L,2.2b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.2km s-min=2.0km az=16.7.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=2.9km az=14.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.1km s-min=5.9km az=88.0. 30 km SSE of Ostrava . Suspected Mining induced.

(366) Turkey

ISC	**VII**	**17 19 57 10.5–.96**	**36.90N–.03**	**29.36E–.03**	**0**		**36**	**0-1**
ISK	VII	17 19 57 11.9	36.97N	29.34E	6–0	2.7L		¶601831312
ISCJB	VII	17 19 57 13.0–.52	36.92N–.03	29.32E–.03	0	2.7L		
DDA	VII	17 19 57 12.0	36.90N	29.37E	7	2.4L		
CSEM	VII	17 19 57 12.6–.24	36.92N	29.33E	1	2.4L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=4.0km az=10.4.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=5.0km s-min=4.5km az=18.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC	**VII**	**18 04 57 59.2–15**	**54.52N**	**88.02E**	**12–89**	**3.6b,3.3**		
								¶601497824

NNC Event type sm. Error ellipse: s-maj=142.8km s-min=92.8km az=35.0. Suspected Mining explosion.

(548) Poland

PRU	**VII**	**18 06 47 14.9**	**50.12N**	**19.15E**	**0**			
CSEM	VII	18 06 47 14.0–.25	50.09N	19.13E	2			¶601405235

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=3.6km az=2.0.

(367) Turkey-Georgia-Armenia border region

DDA	**VII**	**18 08 26 31.1**	**41.25N**	**41.49E**	**7**	**2.3L**		
CSEM	VII	18 08 26 31.1	41.25N	41.49E	7	2.3L		¶602994920

DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC	**VII**	**18 09 37 16.9–1.1**	**64.71N–.03**	**30.52E–.05**	**0**		**96**	**1-10**
HEL	VII	18 09 37 14.6–.30	64.59N	30.75E	0	2.2L		¶601503023
ISCJB	VII	18 09 37 15.3–.62	64.72N–.03	30.42E–.08	0	2.2L		
KOLA	VII	18 09 37 16.9	64.62N	31.22E	0	2.2L		
MOS	VII	18 09 37 17.3	64.67N	30.63E		2.6		
UPP	VII	18 09 37 17.1–2.9	64.55N	30.75E	4	1.6L		
NAO	VII	18 09 37 18.1–1.7	64.69N	30.64E		2.3L		
IDC	VII	18 09 37 18.0–2.1	64.66N	30.81E	0	3.2,3.2		
CSEM	VII	18 09 37 18.4–.70	64.77N	30.34E	2	2.2L,3.2		
BER	VII	18 09 37 18.9–3.9	64.75N	30.43E	0–17	2.3L,3.2		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0. Explosion.
ISCJB Event type km. Error ellipse: s-maj=5.6km s-min=3.6km az=27.0.
KOLA Event type km.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=29.0km s-min=9.1km az=102.0.
CSEM Event type km. Error ellipse: s-maj=14.4km s-min=7.6km az=106.0. Mining explosion.
BER Error ellipse: s-maj=8.7km s-min=69.1km az=-1.0.

(548) Poland

ISC	**VII**	**18 23 55 44.7–1.7**	**51.63N–.07**	**16.03E–.05**	**0**		**41**	**1-4**
								¶606544402

ISC Event type si.

(366) Turkey

ISC	**VII**	**19 05 33 51.5–.78**	**37.14N–.02**	**28.59E–.02**	**0**		**58**	**0-1**
ISCJB	VII	19 05 33 52.0–.39	37.08N–.03	28.55E–.03	0			¶601831372
ISK	VII	19 05 33 51.6	37.03N	28.51E	5–0	1.9L		
DDA	VII	19 05 33 51.5	37.08N	28.55E	7	2.5L		
CSEM	VII	19 05 33 52.0–.19	37.07N	28.55E	1	1.9L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.9km s-min=3.0km az=22.5.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=4.5km s-min=3.4km az=33.0. Suspected Mining explosion.

(366) Turkey

ISC	**VII**	**19 08 48 56.0–.90**	**39.67N–.03**	**29.49E–.03**	**0**		**35**	**0-1**
ISCJB	VII	19 08 48 55.3–.53	39.69N–.03	29.49E–.05	0			¶601831376
DDA	VII	19 08 48 55.3	39.70N	29.46E	7	2.6L		
CSEM	VII	19 08 48 55.4–.26	39.65N	29.50E	1	2.0L		
ISK	VII	19 08 48 55.0	39.66N	29.54E	4–1	2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=4.2km az=10.4.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=7.0km s-min=4.7km az=110.0. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

IDC	**VII**	**19 10 44 13.8–2.5**	**53.46N**	**87.72E**	**0**	**3.3,3.3**		
NNC	VII	19 10 44 13.3–2.9	53.51N	87.69E	0	3.5b,3.2		¶601503043

IDC Error ellipse: s-maj=22.3km s-min=13.2km az=65.0.
NNC Event type sm. Error ellipse: s-maj=23.0km s-min=11.5km az=63.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VII**	**19 11 21 44.5–2.5**	**53.94N**	**86.93E**	**0**	**3.1,3.1**		
NNC	VII	19 11 21 40.1–2.4	54.17N	87.23E	0	3.5b,3.3		¶601503044

IDC Error ellipse: s-maj=22.4km s-min=13.7km az=72.0.
NNC Event type sm. Error ellipse: s-maj=29.5km s-min=12.2km az=4.0. Suspected Mining explosion.

(377) Spain

CSEM	**VII**	**19 11 43 08.8**	**38.26N**	**6.12W**	**0**	**0.5L**		
								¶605475244

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(547) Czech and Slovak Republics

ISC	**VII**	**19 16 19 07.1–.74**	**49.80N–.02**	**18.54E–.02**	**0**		**83**	**0-4**
ISCJB	VII	19 16 19 06.3–.37	49.83N–.02	18.47E–.03	0			¶601459427

CSEM VII 19 16 19 06.8–.28 49.84N 18.49E 2 2.9L
IPEC VII 19 16 19 07.0–.16 49.84N 18.58E 0 2.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.3km s-min=2.5km az=2.5.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=3.9km az=10.0.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.1km az=155.0.

(548) Poland

ISC VII 19 21 46 57.3–.77 50.16N–.03 18.96E–.02 0 67 0-4
ISCJB VII 19 21 46 56.7–.41 50.19N–.03 18.88E–.03 0 **¶601459432**
CSEM VII 19 21 46 56.9–.44 50.28N 18.96E 2 2.5L
PRU VII 19 21 46 57.6 50.22N 18.97E 0 2.5L
WAR VII 19 21 46 58.2 50.24N 18.97E 1 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.1km s-min=2.6km az=2.5.
CSEM Event type ki. Error ellipse: s-maj=14.2km s-min=4.9km az=11.0.
PRU Event type ki.

(536) Sweden

UPP VII 20 23 19 15.7–.10 67.85N 20.20E 0 2.1L
CSEM VII 20 23 19 15.6–.11 67.84N 20.23E 0–1 1.4L **¶606507285**
HEL VII 20 23 19 15.4 67.79N 20.17E 0 1.4L
HEL VII 20 23 19 16.4–.10 67.86N 20.19E 0 2.1L,1.4L
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=3.2km s-min=2.0km az=154.0. Mining explosion.
HEL Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0. Explosion.

(536) Sweden

UPP VII 20 23 19 37.6–.20 67.84N 20.23E 0 2.3L
CSEM VII 20 23 19 37.6 67.84N 20.23E 0 2.3L **¶604156936**
BER VII 20 23 19 42.5–1.5 67.88N 20.30E 0 1.7L
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=10.1km s-min=15.5km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics

PRU VII 21 02 04 08.2 49.84N 18.44E 0
CSEM VII 21 02 04 13.3–.70 49.89N 18.04E 2 **¶601459456**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=20.1km s-min=11.0km az=5.0.

(548) Poland

PRU VII 21 03 42 43.6 50.26N 19.04E 0
CSEM VII 21 03 42 42.4–.45 50.31N 19.03E 1 **¶601459460**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.4km s-min=3.5km az=19.0.

(548) Poland

ISC VII 21 07 01 30.3–.77 51.56N–.03 16.14E–.02 0 96 1-6
ISCJB VII 21 07 01 28.8–.36 51.51N–.02 16.15E–.03 0 **¶601453750**
CSEM VII 21 07 01 30.7–.17 51.51N 16.11E 2 3.5L
PRU VII 21 07 01 32.5 51.46N 16.09E 0 3.5L
UPP VII 21 07 01 34.8 51.65N 15.77E 10 1.4L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.0km s-min=2.5km az=153.8.
CSEM Event type ki. Error ellipse: s-maj=4.3km s-min=2.8km az=85.0.
PRU Event type ki.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC VII 21 20 02 11.3–.75 51.54N–.03 16.09E–.02 0 114 1-7
ISCJB VII 21 20 02 10.0–.34 51.50N–.02 16.12E–.03 0 **¶601456446**
CSEM VII 21 20 02 11.8–.14 51.50N 16.08E 2 3.2L
VIE VII 21 20 02 12.3–.58 51.48N 16.00E 0 2.8L,2.3b
PRU VII 21 20 02 13.0 51.48N 16.08E 0 2.8L,2.3b
UPP VII 21 20 02 17.5–2.9 51.83N 15.66E 1 2.0L,2.3b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.8km s-min=2.3km az=144.6.
CSEM Event type ki. Error ellipse: s-maj=3.5km s-min=2.4km az=81.0.
VIE Event type sr. Error ellipse: s-maj=5.5km s-min=4.1km az=18.0. 82 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(536) Sweden

CSEM VII 21 23 19 44.0 67.83N 20.20E 0 0.7L
¶605475297
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(366) Turkey

ISC VII 22 08 35 02.8–.91 39.65N–.02 29.39E–.02 0 46 0-1
ISCJB VII 22 08 35 02.7–.42 39.65N–.03 29.38E–.03 0 **¶601831513**
CSEM VII 22 08 35 03.0–.20 39.64N 29.39E 1 2.2L
DDA VII 22 08 35 03.5 39.62N 29.38E 7 2.5
ISK VII 22 08 35 03.1 39.64N 29.46E 8–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.3km s-min=3.3km az=141.8.
CSEM Event type sm. Error ellipse: s-maj=4.8km s-min=3.8km az=123.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VII 22 14 08 08.9–.87 37.25N–.03 28.22E–.03 0 37 0-2
ISCJB VII 22 14 08 09.3–.48 37.23N–.03 28.20E–.04 0 **¶601831522**
CSEM VII 22 14 08 09.7–.14 37.23N 28.20E 1 2.4L
DDA VII 22 14 08 09.3 37.23N 28.21E 7 2.5
ISK VII 22 14 08 09.1 37.24N 28.19E 7–0 2.4L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=3.6km az=33.9.
CSEM Event type sm. Error ellipse: s-maj=3.4km s-min=2.4km az=38.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(548) Poland

ISC VII 23 03 45 17.4–1.8 51.52N–.08 16.16E–.05 0 32 1-3
CSEM VII 23 03 45 18.5–.65 51.45N 16.12E 1 2.5L **¶601473897**
PRU VII 23 03 45 20.0 51.41N 16.07E 0 2.5L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.8km s-min=5.3km az=5.0.
PRU Event type ki.

(326) Southwestern Siberia

IDC VII 23 08 33 20.8–3.1 53.43N 87.75E 0 3.2,3.2
NNC VII 23 08 33 21.8–1.2 53.54N 87.67E 0 3.6b,3.3 **¶601519857**
IDC Error ellipse: s-maj=29.6km s-min=16.0km az=56.0.
NNC Event type sm. Error ellipse: s-maj=10.9km s-min=5.6km az=42.0. Suspected Mining explosion.

(478) Utah

ISC VII 23 17 41 58.9–1.4 41.27N–.05 112.95W–.08 0 7 1-8
IDC VII 23 17 42 00.2–3.7 41.24N 113.09W 0 3.0L,2.7 **¶601666326**
NEIC VII 23 17 42 01.3–1.1 41.00N 112.78W 0 1.8L,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=133.3km s-min=26.6km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=19.8km s-min=13.2km az=110.0. 66 km [41 miles] NW of Tooele. Suspected Mining explosion.

(366) Turkey

ISC VII 24 01 08 49.2–.81 37.05N–.03 27.78E–.02 0 36 0-1
CSEM VII 24 01 08 49.5–.31 36.95N 27.77E 1 2.6L **¶601831602**
DDA VII 24 01 08 50.6 37.00N 27.63E 7 2.6L
ISK VII 24 01 08 50.4 37.03N 27.62E 4–0 1.9L
ISCJB VII 24 01 08 51.2–.52 37.02N–.03 27.64E–.04 0 1.9L
ISC Event type sm.
CSEM Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(366) Turkey

ISC VII 24 03 02 42.6–.98 36.97N–.02 27.70E–.02 8–9 49 0-1
DDA VII 24 03 02 43.7 37.01N 27.62E 7 2.5L **¶601831606**
ISK VII 24 03 02 43.3 36.99N 27.62E 14–0 2.2L
CSEM VII 24 03 02 44.2–.12 36.99N 27.63E 1 2.5L
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=2.4km s-min=2.1km az=97.0. Suspected Mining explosion.

(366) Turkey

ISC VII 24 03 10 08.2–.77 37.03N–.02 27.73E–.02 0 55 0-1
DDA VII 24 03 10 08.6 37.01N 27.63E 7 2.7L **¶601831607**
ISK VII 24 03 10 08.7 37.01N 27.62E 10–0 2.4L
ISCJB VII 24 03 10 09.1–.42 37.01N–.02 27.63E–.03 0 2.4L
CSEM VII 24 03 10 09.3–.13 37.01N 27.63E 1 2.7L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=3.5km s-min=3.1km az=174.8.
CSEM Event type sm. Error ellipse: s-maj=3.0km s-min=2.3km az=90.0. Suspected Mining explosion.

(366) Turkey

ISC VII 24 04 28 44.4–.92 40.04N–.04 31.79E–.03 0 35 0-2
ISCJB VII 24 04 28 44.9–.67 40.05N–.04 31.79E–.04 0 **¶601831615**
ISK VII 24 04 28 44.8 40.14N 31.82E 8–0 2.6L
CSEM VII 24 04 28 45.2–.29 40.12N 31.79E 1 2.3L
DDA VII 24 04 29 39.0 40.12N 31.77E 6 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=4.3km az=169.2.
ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=6.8km s-min=5.1km az=172.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC VII 24 04 46 45.7–.77 51.65N–.03 16.02E–.02 0 104 1-7
ISCJB VII 24 04 46 44.6–.33 51.61N–.02 16.03E–.03 0 **¶601473915**
CSEM VII 24 04 46 46.4–.13 51.60N 15.99E 2 3.0L
PRU VII 24 04 46 48.1 51.56N 16.00E 0 3.0L
VIE VII 24 04 46 49.5–.41 51.37N 15.94E 0 2.6L,2.4b
UPP VII 24 04 46 51.0–2.9 51.78N 15.25E 9 1.5L,2.4b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=2.4km az=168.3.
CSEM Event type ki. Error ellipse: s-maj=3.9km s-min=2.2km az=89.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.3km s-min=2.5km az=156.0. 80 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(543) Germany

VIE VII 24 06 53 03.9–.33 49.10N 11.32E 0 2.3L,2.0b
¶604491662
VIE Event type sm. Error ellipse: s-maj=2.5km s-min=1.7km az=91.0. 36 km NNW of Altmuehltal . Suspected Mining explosion.

(366) Turkey

ISC VII 24 08 45 38.5–.89 37.05N–.04 27.89E–.02 0 35 0-1
ISCJB VII 24 08 45 40.7–.52 37.16N–.04 27.89E–.04 0 **¶601831623**
DDA VII 24 08 45 40.4 37.15N 27.88E 7 2.5L
CSEM VII 24 08 45 40.9–.11 37.16N 27.88E 1 2.5L
ISK VII 24 08 45 40.4 37.17N 27.88E 5–0 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.6km s-min=4.2km az=13.7.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=2.3km s-min=2.1km az=38.0. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

NNC VII 24 09 22 50.2–5.1 53.41N 88.13E 5–27 3.7b,3.3
KRAR VII 24 09 22 50.7–.21 53.59N 87.88E 2.1,3.3 **¶601521379**
NNC Event type sm. Error ellipse: s-maj=36.8km s-min=17.7km az=81.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(548) Poland

ISC VII 24 09 40 17.7–1.1 51.45N–.05 16.13E–.03 0 63 1-3
ISCJB VII 24 09 40 16.6–.84 51.41N–.04 16.14E–.04 0 **¶601473918**
CSEM VII 24 09 40 17.7–.49 51.43N 16.11E 2 3.2L,2.5W
PRU VII 24 09 40 18.9 51.42N 16.12E 0 3.2L,2.5W
WAR VII 24 09 40 23.1 51.01N 15.83E 1 2.5W,2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=3.1km az=19.0.
CSEM Event type ki. Error ellipse: s-maj=7.7km s-min=4.4km az=1.0.
PRU Event type ki.

(366) Turkey

ISC VII 24 14 12 40.9–.86 39.80N–.03 34.42E–.03 0 35 0-2
ISCJB VII 24 14 12 41.8–.49 39.77N–.03 34.38E–.04 0 **¶601831641**
CSEM VII 24 14 12 41.7–.21 39.76N 34.37E 1 2.9L
DDA VII 24 14 12 41.5 39.78N 34.39E 7 2.9L
ISK VII 24 14 12 41.4 39.75N 34.40E 12–0 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.8km s-min=3.3km az=43.6.
CSEM Event type sm. Error ellipse: s-maj=5.4km s-min=3.7km az=138.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(548) Poland

ISC VII 24 19 13 25.4–1.6 51.45N–.07 16.24E–.04 0 45 1-3
ISCJB VII 24 19 13 24.9–1.1 51.42N–.05 16.18E–.05 0 **¶601473925**
CSEM VII 24 19 13 25.5–.53 51.46N 16.20E 2 2.8L
PRU VII 24 19 13 27.0 51.43N 16.19E 0 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.2km s-min=3.6km az=29.4.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=4.7km az=15.0.
PRU Event type ki.

(548) Poland

ISC VII 24 21 41 31.0–.78 50.06N–.03 19.22E–.02 0 56 0-4
ISCJB VII 24 21 41 30.1–.58 50.14N–.04 19.15E–.03 0 **¶601473927**
CSEM VII 24 21 41 31.1–.44 50.13N 19.20E 2 2.6L
PRU VII 24 21 41 31.9 50.13N 19.22E 0 2.6L
WAR VII 24 21 41 32.2 50.08N 19.34E 1 2.3W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=2.8km az=12.6.
CSEM Event type ki. Error ellipse: s-maj=10.9km s-min=5.1km az=6.0.
PRU Event type ki.

(547) Czech and Slovak Republics

PRU VII 24 22 54 58.5 49.86N 18.54E 0
CSEM VII 24 22 54 57.8–.66 49.94N 18.56E 1 **¶601473928**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=11.8km s-min=7.5km az=37.0.

(536) Sweden

UPP VII 24 23 18 57.2–.10 67.82N 20.20E 0 1.9L
CSEM VII 24 23 18 57.2 67.82N 20.20E 0 1.9L **¶604156945**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(536) Sweden

CSEM VII 24 23 18 51.6 67.90N 20.10E 0 0.8L
¶605475388
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(536) Sweden

UPP VII 24 23 22 00.7–.40 67.83N 20.20E 0–2 2.0L
CSEM VII 24 23 22 00.6–.10 67.83N 20.20E 2 2.0L **¶604156948**
HEL VII 24 23 22 00.7 67.79N 20.34E 0 1.8L
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=2.8km s-min=2.3km az=154.0. Mining explosion.
HEL Event type kh. Explosion.

(536) Sweden

UPP VII 24 23 22 06.0–.10 67.86N 20.18E 0 1.8L

CSEM VII 24 23 22 06.0 67.86N 20.18E 0 1.8L ¶606505736
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.

(548) Poland

ISC VII 25 02 08 33.3–.84 51.52N–.03 16.00E–.03 0 100 1-6
ISCJB VII 25 02 08 30.1–.42 51.46N–.02 16.18E–.03 0 ¶601473935
CSEM VII 25 02 08 31.7–.18 51.47N 16.14E 2 2.9L,2.4W
UPP VII 25 02 08 36.7–2.9 51.68N 15.67E 10 1.5L,2.4W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.3km s-min=2.7km az=136.0.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.9km az=81.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(547) Czech and Slovak Republics

ISC VII 25 02 35 53.5–.73 49.86N–.02 18.60E–.02 0 107 0-4
ISCJB VII 25 02 35 53.6–.33 49.82N–.02 18.48E–.03 0 ¶601467950
IPEC VII 25 02 35 54.3–.17 49.83N 18.59E 0–3 2.4L
CSEM VII 25 02 35 54.2–.24 49.84N 18.49E 2 3.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.0km s-min=2.3km az=6.6.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=165.0.
CSEM Event type ki. Error ellipse: s-maj=5.3km s-min=3.4km az=14.0.

(366) Turkey

ISC VII 25 07 19 04.3–.79 37.24N–.02 28.21E–.02 0 58 0-2
ISCJB VII 25 07 19 03.9–.40 37.26N–.03 28.22E–.04 0 ¶601831690
DDA VII 25 07 19 04.0 37.25N 28.16E 7 2.5L
ISK VII 25 07 19 03.3 37.25N 28.22E 7–0 2.3L
CSEM VII 25 07 19 04.0–.17 37.24N 28.21E 1 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=3.2km az=44.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
CSEM Event type sm. Error ellipse: s-maj=4.4km s-min=3.0km az=43.0. Suspected Mining explosion.

(548) Poland

ISC VII 25 09 14 59.0–.80 50.15N–.03 19.02E–.02 0 56 0-4
ISCJB VII 25 09 14 58.4–.48 50.17N–.03 18.93E–.03 0 ¶601473942
CSEM VII 25 09 14 58.5–.38 50.23N 19.00E 2 2.7L
IPEC VII 25 09 14 59.1–.14 50.21N 19.05E 2–1 1.8L
PRU VII 25 09 14 59.0 50.25N 19.00E 0 1.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=2.9km az=2.9.
CSEM Event type ki. Error ellipse: s-maj=8.5km s-min=3.8km az=10.0.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=0.8km az=166.0.
PRU Event type ki.

(366) Turkey

ISC VII 25 15 09 17.2–.95 39.94N–.05 33.10E–.03 0 29 0-1
ISCJB VII 25 15 09 17.4–.59 39.90N–.04 33.09E–.04 0 ¶601831725
DDA VII 25 15 09 17.9 39.90N 33.10E 7 2.7L
CSEM VII 25 15 09 17.6–.12 39.89N 33.08E 1 1.7L
ISK VII 25 15 09 17.4 39.88N 33.05E 5–0 1.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=4.7km az=13.1.
CSEM Event type sm. Error ellipse: s-maj=2.9km s-min=2.2km az=18.0. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VII 25 16 14 25.2–.87 41.33N–.03 35.85E–.03 0 32 0-2
ISK VII 25 16 14 24.8 41.41N 35.92E 6–0 2.2L ¶601831730
ISCJB VII 25 16 14 25.4–.48 41.34N–.04 35.80E–.05 0 2.2L
CSEM VII 25 16 14 25.5–.18 41.33N 35.83E 1 3.0L
DDA VII 25 16 14 25.7 41.32N 35.82E 7 3.0L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.6km s-min=3.6km az=42.9.
CSEM Event type sm. Error ellipse: s-maj=5.6km s-min=3.3km az=45.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VII 25 16 41 10.6–.93 38.56N–.02 28.65E–.03 0 35 0-1
ISK VII 25 16 41 09.8 38.55N 28.65E 8–0 1.9L ¶601831732
ISCJB VII 25 16 41 10.3–.47 38.57N–.03 28.65E–.05 0 1.9L
DDA VII 25 16 41 10.1 38.58N 28.67E 7 2.8L
CSEM VII 25 16 41 10.3–.19 38.56N 28.66E 1 1.9L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.2km s-min=3.3km az=18.1.
CSEM Event type sm. Error ellipse: s-maj=5.4km s-min=3.7km az=107.0. Suspected Mining explosion.

(536) Sweden

ISC VII 26 17 00 38.7–.69 67.07N–.02 20.94E–.02 0 135 0-11
ISCJB VII 26 17 00 37.8–.27 67.08N–.02 20.98E–.06 0 ¶601473976
UPP VII 26 17 00 38.6–.10 67.08N 20.98E 0 2.3L
CSEM VII 26 17 00 38.6–.15 67.10N 20.96E 2 2.3L
IDC VII 26 17 00 39.1–.87 67.08N 21.33E 0 2.9,2.8
HEL VII 26 17 00 39.1–.00 67.09N 20.98E 0 2.4L,2.3L
NAO VII 26 17 00 39.4–.80 67.05N 21.35E 2.7L,2.3L
BER VII 26 17 00 41.0–3.5 67.09N 20.95E 0 2.7L,2.0L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.2km s-min=2.4km az=1.1.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=4.2km s-min=3.0km az=97.0. Mining explosion.
IDC Error ellipse: s-maj=14.9km s-min=6.8km az=115.0.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=7.2km s-min=26.8km az=-1.0. Suspected explosion.

(366) Turkey

ISK VII 27 08 39 50.4 37.18N 28.16E 4–0 2.1L
DDA VII 27 08 39 50.8 37.19N 28.07E 7 2.4L ¶601831812
CSEM VII 27 08 39 51.0–.20 37.17N 28.15E 2 2.1L
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=5.3km s-min=3.5km az=35.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 27 09 00 56.4–1.1 64.83N–.03 30.38E–.07 0 69 1-10
UPP VII 27 09 00 48.6–3.4 64.46N 31.75E 0 1.6L ¶601503065
IDC VII 27 09 00 53.8–3.2 64.73N 31.68E 0 3.0,2.9
CSEM VII 27 09 00 54.5–.75 64.72N 30.50E 1 2.0L,2.9
ISCJB VII 27 09 00 54.1–.76 64.77N–.03 30.3E–.10 0 2.0L,2.9
HEL VII 27 09 00 55.1–.20 64.77N 30.62E 0 2.0L,2.9
NAO VII 27 09 00 57.2–1.8 64.80N 30.36E 2.3L,2.9
ISC Event type km.
UPP Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=45.1km s-min=11.9km az=100.0.
CSEM Event type km. Error ellipse: s-maj=17.4km s-min=6.6km az=100.0. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=7.3km s-min=3.5km az=15.3.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.2km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 27 09 20 28.9–1.7 67.59N–.05 33.65E–.10 0 58 2-12
KOLA VII 27 09 20 28.9 67.65N 33.97E 1.6 ¶601503066
ISCJB VII 27 09 20 29.6–1.1 67.57N–.04 33.4E–.20 0 1.6
CSEM VII 27 09 20 30.8–.69 67.54N 33.44E 1 2.3L
HEL VII 27 09 20 30.1–.40 67.66N 33.82E 0 2.3L
NAO VII 27 09 20 31.9–1.8 67.62N 33.33E 2.6L
IDC VII 27 09 20 33.0–2.8 67.70N 33.40E 0 3.1,3.1
ISC Event type km.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
ISCJB Event type km. Error ellipse: s-maj=9.1km s-min=5.6km az=174.7.
CSEM Event type km. Error ellipse: s-maj=13.8km s-min=7.2km az=88.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=7.4km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=10.9km az=68.0.

(366) Turkey

ISC VII 27 11 32 39.9–1.2 41.18N–.03 36.11E–.04 0 16 0-2
ISCJB VII 27 11 32 39.3–.80 41.18N–.04 36.13E–.07 0 ¶602995155
CSEM VII 27 11 32 39.5 41.17N 36.13E 7 2.9L
DDA VII 27 11 32 39.5 41.17N 36.13E 7 2.9L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=8.8km s-min=4.8km az=26.7.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(547) Czech and Slovak Republics

PRU VII 28 04 07 46.2 50.00N 18.59E 0
IPEC VII 28 04 07 45.4–.16 49.96N 18.65E 2–2 1.1L ¶601494651
CSEM VII 28 04 07 45.3–.21 49.99N 18.59E 1 1.8L
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=165.0.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=2.2km az=14.0.

(548) Poland

PRU VII 28 04 08 55.1 50.26N 19.03E 0
CSEM VII 28 04 08 53.9–.37 50.31N 19.02E 1 ¶601494652
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.7km s-min=3.8km az=12.0.

(548) Poland

ISC VII 28 05 25 41.0–.77 50.11N–.03 19.24E–.02 0 82 0-4
ISCJB VII 28 05 25 40.1–.46 50.17N–.03 19.16E–.03 0 ¶601494654
CSEM VII 28 05 25 40.9–.21 50.19N 19.22E 2 2.8L
IPEC VII 28 05 25 41.9–.19 50.08N 19.29E 0–1 1.8L
PRU VII 28 05 25 42.1 50.14N 19.22E 0 1.8L
WAR VII 28 05 25 42.6 50.09N 19.34E 1 2.3W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.4km az=13.6.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=3.1km az=2.0.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=162.0.
PRU Event type ki.

(366) Turkey

ISK VII 28 09 01 48.8 37.12N 27.94E 24–0 1.9L
CSEM VII 28 09 01 48.8 37.12N 27.94E 24 1.9L ¶601831861
ISK Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion.

(366) Turkey

ISC VII 28 14 25 11.4–.80 37.21N–.02 28.19E–.02 0 60 0-2
ISK VII 28 14 25 10.8 37.24N 28.18E 5–0 2.3L ¶601831877
ISCJB VII 28 14 25 11.6–.40 37.25N–.02 28.20E–.03 0 2.3L
CSEM VII 28 14 25 11.6–.16 37.24N 28.21E 2 2.3L
DDA VII 28 14 25 11.1 37.21N 28.20E 7 2.7L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=3.7km s-min=2.9km az=26.4.
CSEM Event type sm. Error ellipse: s-maj=3.6km s-min=2.6km az=34.0. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC VII 28 15 51 31.2–1.2 51.53N–.05 16.15E–.03 0 71 1-5
ISCJB VII 28 15 51 30.9–.75 51.44N–.03 16.07E–.04 0 ¶601494668
CSEM VII 28 15 51 31.4–.42 51.50N 16.10E 2 2.6L
VIE VII 28 15 51 34.0–.51 51.32N 16.09E 0 2.2L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.9km s-min=3.1km az=16.1.
CSEM Event type sr. Error ellipse: s-maj=6.7km s-min=4.1km az=179.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=3.1km az=158.0. 69 km WNW of Wroclaw . Suspected Mining induced.

(547) Czech and Slovak Republics

ISC VII 29 00 12 26.9–.80 49.85N–.04 18.54E–.02 0 67 0-4
ISCJB VII 29 00 12 26.5–.45 49.87N–.03 18.47E–.03 0 ¶601494679
CSEM VII 29 00 12 27.7–.30 49.84N 18.51E 1 2.7L
IPEC VII 29 00 12 28.1–.17 49.83N 18.58E 0 1.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.5km az=14.0.
CSEM Event type ki. Error ellipse: s-maj=7.1km s-min=3.5km az=17.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=163.0.

(366) Turkey

ISC VII 29 13 46 49.6–.91 37.13N–.03 28.58E–.03 0 44 0-1
DDA VII 29 13 46 49.6 37.04N 28.53E 7 2.6L ¶601831908
ISK VII 29 13 46 49.4 37.07N 28.55E 12–0 2.0L
ISCJB VII 29 13 46 50.1–.49 37.09N–.03 28.57E–.03 0 2.0L
CSEM VII 29 13 46 50.2–.32 37.07N 28.52E 1 2.6L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.4km az=39.0.
CSEM Event type sm. Error ellipse: s-maj=8.0km s-min=5.5km az=41.0. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC VII 29 15 12 54.2–.78 49.84N–.03 18.54E–.02 0 64 0-3
ISCJB VII 29 15 12 53.3–.47 49.86N–.03 18.48E–.03 0 ¶601494699
IPEC VII 29 15 12 54.4–.16 49.85N 18.56E 0–3 1.4L
CSEM VII 29 15 12 54.1–.22 49.86N 18.50E 1 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.6km az=10.7.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.1km az=155.0.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=2.8km az=9.0.

(460) Wyoming

ISC VII 29 18 19 39.0–.67 43.90N–.04 105.33W–.04 0 3.9b 40 1-89
ISCJB VII 29 18 19 37.4–.35 43.94N–.03 105.33W–.04 0 3.9b ¶601666639
IDC VII 29 18 19 39.0–.94 43.87N 105.50W 0 3.9b,3.7
NEIC VII 29 18 19 38.9–.44 43.88N 105.28W 0 3.5L,3.7
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.7km s-min=3.7km az=136.4.
IDC Error ellipse: s-maj=22.5km s-min=8.3km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=6.5km az=165.0. 48 km [30 miles] SSE of Gillette. Suspected Mining explosion.

(478) Utah

ISC VII 29 21 58 23.4–.75 40.71N–.02 112.44W–.03 0 50 0-13
NEIC VII 29 21 58 23.8–.61 40.72N 112.54W 0 2.6L ¶601666645
ISCJB VII 29 21 58 24.0–.38 40.72N–.02 112.37W–.04 0 2.6L
IDC VII 29 21 58 34.1–1.2 41.46N 112.15W 0 3.1,3.0
ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=10.6km s-min=5.6km az=83.0. 29 km [18 miles] NW of Tooele. Suspected Mining explosion.
ISCJB Event type fm. Error ellipse: s-maj=4.4km s-min=3.0km az=175.6.
IDC Error ellipse: s-maj=27.2km s-min=8.7km az=145.0.

(547) Czech and Slovak Republics

ISC VII 30 00 56 20.6–.72 49.86N–.02 18.54E–.02 0 114 0-5
ISCJB VII 30 00 56 19.9–.30 49.85N–.02 18.48E–.02 0 ¶601498252
IPEC VII 30 00 56 21.6–.17 49.84N 18.57E 0–3 2.3L
CSEM VII 30 00 56 21.0–.19 49.84N 18.53E 1 3.0L
VIE VII 30 00 56 21.5–1.5 49.82N 18.51E 0 2.8L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.2km s-min=2.0km az=15.4.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=164.0.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=2.6km az=14.0.
VIE Event type sr. Error ellipse: s-maj=13.6km s-min=9.5km az=15.0. 19 km E of Ostrava . Suspected Mining induced.

(326) Southwestern Siberia

NNC VII 30 05 29 09.1–.80 54.17N 86.37E 0 3.6b,2.9 ¶601553728
NNC Event type sm. Error ellipse: s-maj=14.9km s-min=3.9km az=173.0. Suspected Mining explosion.

(326) Southwestern Siberia
NNC VII 30 07 34 02.0–2.1 53.61N 87.97E 0 3.5b,3.2 ¶601553735
NNC Event type sm. Error ellipse: s-maj=22.9km s-min=11.0km az=38.0. Suspected Mining explosion.
(326) Southwestern Siberia
NNC VII 30 08 27 48.6–2.4 53.53N 87.75E 0 3.9b,3.5 ¶601553742
NNC Event type sm. Error ellipse: s-maj=22.4km s-min=10.7km az=54.0. Suspected Mining explosion.
(366) Turkey
ISC VII 30 09 36 54.6–.91 39.66N–.02 29.36E–.05 0 35 0-1
ISCJB VII 30 09 36 54.6–.47 39.66N–.03 29.38E–.06 0 **¶601831946**
CSEM VII 30 09 36 54.8–.16 39.65N 29.40E 1 2.1L
ISK VII 30 09 36 54.8 39.64N 29.46E 11–0 2.1L
DDA VII 30 09 36 54.8 39.66N 29.42E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=4.1km az=11.7.
CSEM Event type sm. Error ellipse: s-maj=4.5km s-min=3.1km az=102.0. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
(546) Austria
VIE VII 30 09 51 23.9–.27 48.81N 13.13E 0 1.9L,1.7b
CSEM VII 30 09 51 24.9–1.3 48.79N 13.16E 2 1.9L,1.7b **¶604491699**
VIE Event type sm. Error ellipse: s-maj=2.7km s-min=1.7km az=61.0. 45 km NNW of Schrding . Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=28.2km s-min=19.5km az=21.0. Suspected Mining explosion.
(366) Turkey
ISC VII 30 12 10 09.3–.80 39.98N–.03 33.55E–.03 0 43 1-2
ISCJB VII 30 12 10 09.5–.40 39.96N–.03 33.56E–.03 0 **¶601831954**
CSEM VII 30 12 10 09.6–.16 39.97N 33.56E 1 2.6L
ISK VII 30 12 10 09.0 39.97N 33.54E 4–0 2.1L
DDA VII 30 12 10 09.8 39.93N 33.59E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.5km az=141.4.
CSEM Event type sm. Error ellipse: s-maj=3.8km s-min=3.2km az=126.0. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.
(366) Turkey
ISC VII 30 15 20 13.2–1.0 38.17N–.03 38.24E–.03 0 33 0-2
ISCJB VII 30 15 20 14.0–.47 38.15N–.04 38.25E–.05 0 **¶601831960**
DDA VII 30 15 20 14.0 38.15N 38.18E 7 2.8L
CSEM VII 30 15 20 14.2–.18 38.15N 38.26E 1 2.8L
ISK VII 30 15 20 14.1 38.14N 38.24E 6–0 1.8L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.2km s-min=4.3km az=136.7.
CSEM Event type sm. Error ellipse: s-maj=4.8km s-min=4.1km az=54.0. Suspected Mining explosion.
ISK Event type ke.
(478) Utah
ISC VII 30 19 04 58.8–1.1 40.96N–.07 112.92W–.06 0 9 1-8
ISCJB VII 30 19 04 59.3–.89 41.01N–.09 112.9W–.10 0 **¶601650785**
NEIC VII 30 19 04 59.5–.75 40.96N 112.88W 0 1.8L
IDC VII 30 19 05 02.6–1.0 41.21N 112.78W 0 2.9L,2.6
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=14.9km s-min=10.8km az=142.7.
NEIC Event type fm. Error ellipse: s-maj=15.5km s-min=8.6km az=144.0. 67 km [41 miles] NW of Tooele. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.4km s-min=7.0km az=147.0.
(547) Czech and Slovak Republics
CSEM VII 30 22 36 34.5–.19 49.83N 18.53E 1 2.0L
IPEC VII 30 22 36 34.7–.17 49.82N 18.58E 2–4 1.3L **¶601498264**
PRU VII 30 22 36 35.4 49.85N 18.53E 0 1.3L
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=2.4km az=8.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki.
(326) Southwestern Siberia
IDC VII 31 05 18 14.5–2.5 53.46N 87.70E 0 3.3,3.3
KRAR VII 31 05 18 09.1–.30 53.47N 87.49E 2.0,3.3 **¶601556846**
NNC VII 31 05 18 14.5–2.6 53.49N 87.59E 0 3.4b,3.0
IDC Error ellipse: s-maj=22.1km s-min=14.3km az=64.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=19.5km s-min=10.2km az=65.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC VII 31 05 53 56.7–2.7 49.9N–.20 83.9E–.20 0 10 2-3
SOME VII 31 05 53 56.4 49.50N 83.73E 0 **¶601556847**
NNC VII 31 05 54 00.6–2.8 49.61N 83.42E 0 3.1b,2.8
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=33.1km s-min=10.5km az=63.0. Suspected Mining explosion.
(543) Germany
ISC VII 31 09 18 34.0–1.5 49.03N–.06 11.44E–.05 0 20 2-3
ISCJB VII 31 09 18 32.6–.95 49.03N–.04 11.49E–.05 0 **¶604491706**
VIE VII 31 09 18 34.5–.56 48.94N 11.38E 0 2.5L,1.8b
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.4km s-min=3.8km az=138.9.
VIE Event type sm. Error ellipse: s-maj=5.5km s-min=4.0km az=141.0. 19 km NW of Altmuehltal . Suspected Mining explosion.
(326) Southwestern Siberia
IDC VII 31 09 24 16.8–2.8 53.54N 87.68E 0 3.4,3.4
KRAR VII 31 09 24 10.5–.26 53.51N 87.30E 2.3,3.4 **¶601556858**
NNC VII 31 09 24 18.2–1.4 53.46N 87.51E 0 3.4b,3.1
IDC Error ellipse: s-maj=26.2km s-min=18.6km az=76.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=11.1km s-min=5.7km az=57.0. Suspected Mining explosion.
(358) Romania
BEO VII 31 09 52 41.7–.80 44.18N 22.18E 0–9 1.5L
CSEM VII 31 09 52 41.7 44.18N 22.18E 0 1.5L **¶601734712**
BEO Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion.
(548) Poland
ISC VII 31 14 25 23.1–.84 50.13N–.04 19.23E–.02 0 43 0-4
ISCJB VII 31 14 25 22.0–.72 50.26N–.05 19.19E–.04 0 **¶601498280**
CSEM VII 31 14 25 23.0–.34 50.25N 19.22E 1 2.7L
PRU VII 31 14 25 23.9 50.24N 19.23E 0 2.7L
WAR VII 31 14 25 24.9 50.16N 19.34E 1 2.3W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.9km s-min=2.9km az=17.0.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=12.0.
PRU Event type ki.
(548) Poland
ISC VII 31 16 04 39.5–2.1 51.21N–.10 16.07E–.06 0 19 0-3 ¶606544403
ISC Event type si.
(478) Utah
ISC VII 31 17 28 32.9–1.3 41.15N–.10 112.90W–.06 0 6 1-8
NEIC VII 31 17 28 34.6–.98 41.01N 112.55W 0 1.4L **¶601650839**
IDC VII 31 17 28 34.5–3.7 41.13N 112.99W 0 3.0L,2.5
ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=16.8km s-min=12.6km az=90.0. 54 km [33 miles] WSW of Ogden. Suspected Mining explosion.
IDC Error ellipse: s-maj=68.0km s-min=26.8km az=147.0.
(460) Wyoming
ISC VII 31 20 01 50.8–.98 43.72N–.05 105.39W–.05 0 57 1-14
ISCJB VII 31 20 01 49.3–.45 43.68N–.03 105.31W–.05 0 **¶601650846**
NEIC VII 31 20 01 50.5–.35 43.71N 105.27W 0 3.4L
IDC VII 31 20 01 50.1–1.2 43.94N 105.62W 0 3.4,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.4km az=160.6.
NEIC Event type fm. Error ellipse: s-maj=4.7km s-min=4.0km az=78.0. 67 km [42 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.9km s-min=10.1km az=150.0.
(547) Czech and Slovak Republics
ISC VII 31 20 45 35.8–.74 49.84N–.02 18.55E–.02 0 103 0-4
ISCJB VII 31 20 45 35.5–.38 49.85N–.02 18.46E–.03 0 **¶601498291**
IPEC VII 31 20 45 36.8–.17 49.84N 18.58E 0–3 2.1L
CSEM VII 31 20 45 36.6–.21 49.85N 18.49E 2 2.7L
VIE VII 31 20 45 37.0–1.9 49.77N 18.51E 0 2.3b,2.3L
PRU VII 31 20 45 37.8 49.82N 18.49E 0 2.3b,2.3L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.5km s-min=2.2km az=16.6.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.1km az=156.0.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=2.8km az=11.0.
VIE Event type sr. Error ellipse: s-maj=14.3km s-min=12.6km az=80.0. 20 km ESE of Ostrava . Suspected Mining induced.
PRU Event type ki.
(547) Czech and Slovak Republics
PRU VII 31 23 13 25.2 49.86N 18.38E 0 ¶601498295
PRU Event type ki.
(326) Southwestern Siberia
IDC VIII 01 07 22 22.4–3.3 53.66N 88.01E 0 3.1,3.1
NNC VIII 01 07 22 19.5–2.2 53.67N 88.20E 0 3.5b,3.1 **¶601561632**
IDC Error ellipse: s-maj=33.9km s-min=18.8km az=84.0.
NNC Event type sm. Error ellipse: s-maj=17.1km s-min=9.4km az=60.0. Suspected Mining explosion.
(366) Turkey
ISC VIII 01 08 57 36.6–.89 39.46N–.03 35.35E–.03 0 25 0-2
ISCJB VIII 01 08 57 36.4–.49 39.46N–.03 35.37E–.03 0 **¶601888379**
DDA VIII 01 08 57 36.4 39.46N 35.33E 7 2.7L
ISK VIII 01 08 57 36.3 39.47N 35.36E 6–0 2.4L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.7km az=164.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VIII 01 09 23 28.6–2.4 53.52N 87.75E 0 3.7,3.7
KRAR VIII 01 09 23 25.0–.12 53.65N 87.87E 2.7,3.7 **¶601561637**
NNC VIII 01 09 23 29.4–2.5 53.60N 87.79E 11–12 4.0b,3.6
IDC Error ellipse: s-maj=21.0km s-min=12.6km az=62.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=13.9km s-min=11.8km az=99.0. Suspected Mining explosion.
(366) Turkey
ISC VIII 01 16 15 46.1–.97 39.83N–.05 33.13E–.03 0 16 0-2
ISCJB VIII 01 16 15 45.8–.64 39.94N–.04 33.13E–.04 0 **¶601888404**
ISK VIII 01 16 15 45.8 39.91N 33.10E 6–0 1.8L
DDA VIII 01 16 15 46.3 39.87N 33.14E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=4.8km az=175.0.
ISK Event type sm. Suspected Mining explosion.
DDA Event type ke.
(548) Poland
ISC VIII 02 06 50 22.4–.51 51.57N–.02 16.14E–.02 0 3.5b 161 1-84
ISCJB VIII 02 06 50 21.3–.25 51.53N–.01 16.18E–.02 0 3.5b **¶601503309**
LDG VIII 02 06 50 21.1–.13 51.60N 16.26E 1 4.1L
IDC VIII 02 06 50 23.3–.60 51.52N 16.04E 0 3.7,3.6
BGR VIII 02 06 50 24.2–.61 51.53N 16.17E 1 3.6L,3.6
VIE VIII 02 06 50 25.9–.93 51.36N 16.11E 0 3.5s,3.4L
UPP VIII 02 06 50 30.4–3.3 51.95N 16.31E 10 2.0L,3.4L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.2km s-min=2.0km az=41.4.
LDG Event type sr. Error ellipse: s-maj=3.5km s-min=2.0km az=13.0. Suspected Mining induced.
IDC Error ellipse: s-maj=11.1km s-min=7.4km az=116.0.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=25.0.
VIE Event type sr. Error ellipse: s-maj=6.4km s-min=5.2km az=33.0. 69 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
(326) Southwestern Siberia
IDC VIII 02 09 01 11.9–2.4 53.48N 87.78E 0 3.3,3.3
KRAR VIII 02 09 01 10.0–.14 53.65N 87.96E 2.5,3.3 **¶601563879**
NNC VIII 02 09 01 12.5–2.5 53.42N 87.66E 0 3.6b,3.2
IDC Error ellipse: s-maj=21.6km s-min=14.1km az=69.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=23.1km s-min=16.8km az=173.0. Suspected Mining explosion.
(721) Finland
HEL VIII 02 10 43 00.5–.10 67.72N 26.94E 0 1.4L ¶604537032
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.8km az=-1.0. Explosion.
(366) Turkey
ISC VIII 02 13 34 28.9–.91 37.19N–.03 28.12E–.03 0 21 0-2
ISCJB VIII 02 13 34 29.9–.48 37.20N–.04 28.20E–.04 0 **¶601888444**
ISK VIII 02 13 34 29.5 37.19N 28.18E 15–0 2.4L
DDA VIII 02 13 34 30.2 37.21N 28.19E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=3.8km az=43.4.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(548) Poland
PRU VIII 03 05 27 17.9–.00 50.32N 18.80E 0 ¶601521070
PRU Event type ki.
(326) Southwestern Siberia
NNC VIII 03 08 09 38.0–2.9 53.47N 87.64E 0 3.8b,3.5
KRAR VIII 03 08 09 36.0–.39 53.60N 87.94E 2.3,3.5 **¶601564467**
NNC Event type sm. Error ellipse: s-maj=22.1km s-min=11.7km az=65.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(326) Southwestern Siberia
NNC VIII 03 08 46 36.8–2.0 53.55N 87.77E 0 4.0b,3.6
KRAR VIII 03 08 46 35.0–.20 53.63N 87.94E 2.4,3.6 **¶601564473**
NNC Event type sm. Error ellipse: s-maj=15.7km s-min=8.5km az=54.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(326) Southwestern Siberia
NNC VIII 03 09 24 25.7–2.5 53.50N 87.55E 0 3.7b,3.4 ¶601564476
NNC Event type sm. Error ellipse: s-maj=19.4km s-min=10.1km az=65.0. Suspected Mining explosion.
(722) Norway-Murmansk border region
HEL VIII 03 10 32 22.8–.20 69.52N 29.91E 0 1.8L
BER VIII 03 10 32 24.5–1.6 69.55N 30.10E 0 0.9L **¶604537064**
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=3.9km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.2km s-min=37.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VIII 03 10 33 19.8–.30 67.65N 33.76E 0 2.1L
KOLA VIII 03 10 33 18.2 67.66N 33.98E 1.6 **¶604537065**
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.0km az=-1.0. Explosion.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(366) Turkey

ISC VIII 03 11 28 03.7–1.1 41.09N–.06 39.03E–.03 0 24 0-2
ISCJB VIII 03 11 28 04.2–.70 41.09N–.05 39.07E–.03 0 ¶601888503
ISK VIII 03 11 28 04.6 41.01N 39.09E 16–0 2.4L
DDA VIII 03 11 28 05.5 41.01N 39.03E 7 2.9L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.9km s-min=3.1km az=167.3.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

NNC VIII 04 05 16 33.8–2.2 54.07N 86.36E 0 3.8b,3.2
¶601565152
NNC Event type sm. Error ellipse: s-maj=22.9km s-min=10.3km az=8.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 04 08 50 52.5–3.0 54.01N 87.66E 0 2.7,2.7
NNC VIII 04 08 50 52.5–3.1 53.74N 87.51E 0 3.3b,2.9 ¶601565166
IDC Error ellipse: s-maj=24.1km s-min=17.7km az=56.0.
NNC Event type sm. Error ellipse: s-maj=41.5km s-min=17.2km az=20.0. Suspected Mining explosion.

(713) Central Kazakhstan

ISC VIII 04 11 18 49.3–1.2 42.66N–.04 70.50E–.06 0 32 0-3
NNC VIII 04 11 18 45.3–.31 42.54N 70.13E 0 2.6b,2.0 ¶601565178
KRNET VIII 04 11 18 48.0–.10 42.64N 70.43E 2.2b,2.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=2.5km s-min=1.2km az=87.0. Suspected Mining explosion.

(366) Turkey

ISC VIII 04 13 34 44.3–.99 37.24N–.05 28.11E–.05 0 14 0-1
ISK VIII 04 13 34 44.6 37.23N 28.19E 5–0 2.1L ¶601888572
ISCJB VIII 04 13 34 45.0–.62 37.24N–.05 28.19E–.05 0 2.1L
DDA VIII 04 13 34 45.3 37.22N 28.21E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=8.4km s-min=4.5km az=35.1.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VIII 04 20 41 00.1–.99 37.44N–.02 27.76E–.03 0 22 0-1
ISK VIII 04 20 40 59.9 37.44N 27.70E 14–0 2.0L ¶601888580
ISCJB VIII 04 20 41 00.4–.48 37.45N–.03 27.70E–.04 0 2.0L
DDA VIII 04 20 41 00.7 37.45N 27.72E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.9km az=156.7.
DDA Event type sm. Suspected Mining explosion.

(536) Sweden

ISC VIII 05 02 15 34.8–.68 67.17N–.02 20.66E–.02 0 73 0-8
NAO VIII 05 02 15 34.0–1.0 67.22N 20.65E 2.1L ¶603805386
UPP VIII 05 02 15 34.6–.10 67.18N 20.64E 0 2.2L
HEL VIII 05 02 15 35.3–.10 67.18N 20.65E 0 2.2L,2.0L
BER VIII 05 02 15 39.1–3.2 67.22N 21.17E 0 2.1L,1.6L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=5.3km s-min=14.2km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 05 03 06 26.5–1.6 67.62N–.04 33.89E–.09 0 45 0-12
ISCJB VIII 05 03 06 27.8–.00 67.61N–.03 33.4E–.20 0 ¶606362947
KOLA VIII 05 03 06 28.2 67.68N 33.77E 0
HEL VIII 05 03 06 28.3–.40 67.63N 33.75E 0 2.3L
NAO VIII 05 03 06 30.1–1.9 67.66N 33.50E 2.6L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.3km s-min=4.7km az=1.7.
KOLA Event type km.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=7.0km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(366) Turkey

ISC VIII 05 08 44 10.5–.96 37.25N–.03 28.23E–.03 0 28 0-1
ISCJB VIII 05 08 44 10.6–.40 37.22N–.03 28.20E–.03 0 ¶601888603
DDA VIII 05 08 44 10.6 37.23N 28.19E 7 2.5L
ISK VIII 05 08 44 10.2 37.21N 28.19E 11–0 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=2.8km az=35.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(460) Wyoming

ISC VIII 05 19 41 17.9–.99 43.62N–.08 105.23W–.08 0 4.1b 17 1-68
IDC VIII 05 19 41 15.7–2.2 43.26N 105.18W 0 4.0L,3.9 ¶601765514
ISCJB VIII 05 19 41 16.1–.59 43.59N–.07 105.35W–.07 0 3.9b,3.3s
NEIC VIII 05 19 41 17.7–.70 43.64N 105.26W 0 3.4L,3.3s
ISC Event type sm.
IDC Error ellipse: s-maj=50.2km s-min=8.5km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=10.6km s-min=5.7km az=154.7.
NEIC Event type fm. Error ellipse: s-maj=12.3km s-min=7.9km az=148.0. 75 km [47 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC VIII 05 19 53 18.3–1.1 43.70N–.07 105.24W–.07 0 19 1-61
IDC VIII 05 19 53 16.3–2.3 43.29N 105.23W 0 3.8,3.7L ¶601765515
ISCJB VIII 05 19 53 17.2–.55 43.71N–.05 105.28W–.07 0 3.5b,3.7L
NEIC VIII 05 19 53 18.6–.56 43.72N 105.27W 0 3.4L,3.7L
ISC Event type sm.
IDC Error ellipse: s-maj=50.7km s-min=9.0km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=8.0km s-min=7.2km az=144.9.
NEIC Event type fm. Error ellipse: s-maj=8.8km s-min=7.3km az=135.0. 66 km [41 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC VIII 05 20 26 47.4–.78 51.51N–.03 16.18E–.03 0 65 1-7
ISCJB VIII 05 20 26 46.1–.39 51.44N–.02 16.18E–.03 0 ¶601518420
PRU VIII 05 20 26 49.7–.00 51.41N 16.13E 0
VIE VIII 05 20 26 50.4–.86 51.27N 16.07E 0 2.4L,2.0b
UPP VIII 05 20 26 52.8–2.9 51.72N 15.86E 2 1.6L,2.0b
WAR VIII 05 20 26 53.5 51.02N 15.80E 1 2.5W,2.0b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=2.6km az=150.5.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.6km s-min=4.9km az=32.0. 68 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.

(721) Finland

ISC VIII 06 00 44 35.7–.77 65.16N–.02 28.32E–.04 0 105 1-9
ISCJB VIII 06 00 44 35.0–.30 65.15N–.02 28.47E–.06 0 ¶601518428
IDC VIII 06 00 44 36.8–1.3 65.10N 28.49E 0 2.7,2.7
NAO VIII 06 00 44 36.7–1.3 65.16N 28.34E 2.4L,2.7
BER VIII 06 00 44 38.0–4.2 65.17N 28.49E 0 2.4L,2.1L
UPP VIII 06 00 44 38.1–1.6 65.09N 28.20E 0 2.0L,2.1L
HEL VIII 06 00 44 38.3–.10 65.17N 28.63E 17–1 2.3L,2.1L
KOLA VIII 06 00 44 39.4 65.06N 29.53E 0 2.3L,2.1L
ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=3.5km s-min=2.2km az=24.2.
IDC Error ellipse: s-maj=16.7km s-min=7.5km az=101.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=31.7km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
HEL Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0. Probable volcanic.
KOLA Event type ke.

(439) Manitoba

ISC VIII 06 02 45 18.5–1.1 50.66N–.07 101.79W–.06 0 43 3-14
ISCJB VIII 06 02 45 17.0–.55 50.64N–.04 101.68W–.06 0 ¶601532906
OTT VIII 06 02 45 20.1–.14 50.73N 101.93W 1 3.1
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.5km s-min=5.4km az=0.3.
OTT Event type ki. Esterhazy, Sk Induced.

(366) Turkey

ISC VIII 06 03 03 35.5–.81 39.30N–.03 27.68E–.03 0 25 0-1
DDA VIII 06 03 03 35.8 39.31N 27.71E 5 2.6L ¶601888645
ISCJB VIII 06 03 03 36.3–.40 39.32N–.02 27.69E–.03 0 2.6L
ISK VIII 06 03 03 37.4 39.29N 27.72E 18–0 1.8L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=3.5km s-min=3.0km az=141.3.
ISK Event type ke.

(366) Turkey

ISC VIII 06 07 26 03.3–1.2 37.24N–.03 28.22E–.03 0 22 0-1
ISCJB VIII 06 07 26 02.9–.52 37.25N–.03 28.23E–.04 0 ¶601888655
DDA VIII 06 07 26 02.8 37.24N 28.22E 7 2.6L
ISK VIII 06 07 26 02.7 37.23N 28.21E 7–0 2.0L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=3.5km az=44.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

IDC VIII 06 09 47 21.8–3.0 53.67N 87.98E 0 3.2,3.2
NNC VIII 06 09 47 19.5–9.1 53.45N 88.38E 0 3.4b,3.1 ¶601566268
IDC Error ellipse: s-maj=26.8km s-min=16.6km az=59.0.
NNC Event type sm. Error ellipse: s-maj=75.1km s-min=51.3km az=17.0. Suspected Mining explosion.

(366) Turkey

ISC VIII 06 14 07 42.6–1.2 41.17N–.04 36.18E–.05 0 12 0-2
ISK VIII 06 14 07 40.8 41.20N 36.20E 5–0 2.0L ¶601888678
ISCJB VIII 06 14 07 41.6–.96 41.21N–.04 36.22E–.08 0 2.0L
DDA VIII 06 14 07 41.9 41.15N 36.19E 7 2.5L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=8.6km s-min=5.7km az=18.1.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VIII 06 15 09 46.5–1.2 37.21N–.03 28.20E–.03 0 22 0-1
ISCJB VIII 06 15 09 45.8–.47 37.22N–.03 28.20E–.03 0 ¶601888681
DDA VIII 06 15 09 45.5 37.22N 28.20E 7 2.5L
ISK VIII 06 15 09 45.6 37.20N 28.18E 7–3 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=3.5km az=25.5.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(548) Poland

ISC VIII 06 16 02 17.2–1.3 51.42N–.06 16.13E–.03 0 38 1-4
ISCJB VIII 06 16 02 15.4–.80 51.40N–.04 16.07E–.04 0 ¶601533440
PRU VIII 06 16 02 17.1–.00 51.45N 16.08E 0
VIE VIII 06 16 02 20.9–1.1 51.21N 16.25E 0 2.5L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.4km s-min=3.1km az=19.4.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=12.5km s-min=7.9km az=95.0. 54 km WNW of Wroclaw . Suspected Mining induced.

(326) Southwestern Siberia

IDC VIII 07 06 26 29.1–2.5 53.63N 88.01E 0 3.4,3.4
KRAR VIII 07 06 26 23.3–.21 53.84N 87.98E 2.4,3.4 ¶601589320
NNC VIII 07 06 26 34.0–4.5 53.69N 87.57E 21–24 3.7b,3.4
IDC Error ellipse: s-maj=22.2km s-min=14.1km az=59.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=30.1km s-min=25.0km az=33.0. Suspected Mining explosion.

(374) Jordan-Syria region

ISC VIII 07 07 49 48.1–1.2 37.05N–.07 38.85E–.04 0 11 0-2
ISK VIII 07 07 49 45.4 36.99N 38.91E 5–0 2.2L ¶601888713
ISCJB VIII 07 07 49 46.5–1.2 36.95N–.08 38.89E–.06 0 2.2L
DDA VIII 07 07 49 50.4 37.27N 38.94E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=12.1km s-min=6.7km az=164.1.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 07 08 21 51.1–2.4 53.50N 87.71E 0 3.5,3.5
KRAR VIII 07 08 21 48.3–.28 53.60N 87.90E 2.0,3.5 ¶601589327
NNC VIII 07 08 21 48.9–2.0 53.47N 87.92E 0 3.6b,3.2
IDC Error ellipse: s-maj=22.2km s-min=14.0km az=66.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=16.0km s-min=8.0km az=64.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 07 08 27 37.7–2.8 53.74N 88.12E 0 3.2,3.2
NNC VIII 07 08 27 36.8–1.4 53.66N 88.20E 0 3.5b,3.2 ¶601589328
IDC Error ellipse: s-maj=23.7km s-min=16.7km az=58.0.
NNC Event type sm. Error ellipse: s-maj=10.6km s-min=5.9km az=59.0. Suspected Mining explosion.

(537) Baltic Sea

ISC VIII 07 11 29 51.0–.95 56.62N–.04 17.33E–.04 0 52 1-13
ISCJB VIII 07 11 29 50.8–.59 56.62N–.04 17.54E–.06 0 ¶601559766
UPP VIII 07 11 29 52.2–.30 56.60N 17.41E 0 1.7L
HEL VIII 07 11 29 53.0–.20 56.59N 17.39E 0 2.1L,1.7L
IDC VIII 07 11 29 56.2–2.5 56.84N 17.72E 0 3.1,3.1
NAO VIII 07 11 29 58.9–3.1 57.15N 17.43E 2.0L,3.1
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.8km s-min=4.1km az=141.7.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=25.9km s-min=12.1km az=13.0.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.

(537) Baltic Sea

ISC VIII 07 11 44 11.0–1.1 56.58N–.05 17.49E–.03 0 66 1-13
ISCJB VIII 07 11 44 11.2–.74 56.65N–.05 17.64E–.06 0 ¶601529225
HEL VIII 07 11 44 13.6–.20 56.61N 17.50E 0 2.3L,1.6L
UPP VIII 07 11 44 13.1–.30 56.63N 17.46E 0 1.6L,1.6L
IDC VIII 07 11 44 15.1–2.5 56.69N 17.61E 0 3.3,3.3
BER VIII 07 11 44 21.8–3.0 57.27N 17.58E 0 1.8L,3.3
NAO VIII 07 11 44 22.5–3.3 57.43N 17.57E 2.2L,3.3
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.1km s-min=3.8km az=159.4.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=1.0km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=11.2km az=16.0.
BER Event type sh. Error ellipse: s-maj=19.3km s-min=17.1km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.

(537) Baltic Sea

ISC VIII 07 12 14 08.5–1.0 56.65N–.05 17.57E–.04 0 57 1-13
ISCJB VIII 07 12 14 07.7–.61 56.71N–.04 17.74E–.05 0 ¶601529226
HEL VIII 07 12 14 09.9–.20 56.67N 17.67E 0 2.3L,1.7L
UPP VIII 07 12 14 10.0–.50 56.69N 17.54E 0 1.7L,1.7L
IDC VIII 07 12 14 11.2–2.3 56.71N 17.67E 0 3.3,3.2
NAO VIII 07 12 14 12.3–1.8 56.88N 17.47E 2.2L,3.2
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.2km s-min=3.9km az=157.4.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=10.9km az=10.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(537) Baltic Sea

ISC VIII 07 12 30 06.4–1.0 56.62N–.04 17.66E–.04 0 49 1-22
ISCJB VIII 07 12 30 05.3–.65 56.64N–.04 17.75E–.05 0 ¶601529228
HEL VIII 07 12 30 07.8–.20 56.61N 17.69E 0 2.1L,1.7L
UPP VIII 07 12 30 08.2–.50 56.65N 17.55E 0 1.7L,1.7L

IDC VIII 07 12 30 10.0–2.3 56.75N 17.86E 0 3.2,3.2
NAO VIII 07 12 30 09.6–2.7 56.71N 17.59E 2.3L,3.2
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.9km s-min=3.6km az=150.9.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=10.7km az=9.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(537) Baltic Sea

ISC VIII 07 12 45 16.9–1.0 56.62N–.04 17.56E–.04 10 42 1-13
HEL VIII 07 12 45 17.7–.20 56.60N 17.57E 0 2.1L,1.9L **¶601555970**
UPP VIII 07 12 45 17.3–.40 56.62N 17.54E 0 2.1L,1.9L
IDC VIII 07 12 45 18.5–2.4 56.67N 17.66E 0 3.1,3.1
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=11.3km az=10.0.

(537) Baltic Sea

ISC VIII 07 13 11 46.7–1.1 56.54N–.05 17.55E–.04 0 45 1-14
ISCJB VIII 07 13 11 46.0–.66 56.60N–.04 17.72E–.07 0 **¶601555971**
HEL VIII 07 13 11 48.3–.10 56.54N 17.51E 0 2.3L,1.9L
UPP VIII 07 13 11 48.3–.30 56.57N 17.45E 0 2.3L,1.9L
IDC VIII 07 13 11 51.2–2.5 56.73N 17.64E 0 3.1,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.1km s-min=4.1km az=138.9.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=11.3km az=11.0.

(547) Czech and Slovak Republics

PRU VIII 08 00 46 26.2–.00 49.82N 18.52E 0
IPEC VIII 08 00 46 25.3–.17 49.83N 18.58E 0 1.5L **¶601533474**
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.1km az=154.0.

(548) Poland

ISC VIII 08 06 48 36.5–.59 51.55N–.02 16.14E–.02 0 175 1-42
ISCJB VIII 08 06 48 35.5–.26 51.48N–.01 16.15E–.02 0 3.3b **¶601531860**
IPEC VIII 08 06 48 36.5–.21 51.57N 16.19E 0 3.1L
IDC VIII 08 06 48 38.7–.68 51.46N 16.13E 0 3.7,3.7
PRU VIII 08 06 48 38.9–.00 51.46N 16.14E 0 3.7,3.7
LDG VIII 08 06 48 38.7–.22 51.39N 16.06E 1 3.9L,3.7
VIE VIII 08 06 48 39.5–.62 51.35N 16.04E 0 3.1s,3.1L
UPP VIII 08 06 48 39.1–3.3 51.59N 15.66E 0 1.9L,3.1L
BGR VIII 08 06 48 39.0–.36 51.47N 16.13E 1 3.5L,3.1L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.1km s-min=1.8km az=21.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.4km az=72.0.
IDC Error ellipse: s-maj=10.1km s-min=6.5km az=117.0.
PRU Event type ki.
LDG Event type sr. Error ellipse: s-maj=5.5km s-min=2.8km az=10.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=5.5km s-min=4.0km az=17.0. 73 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=25.0.

(366) Turkey

ISC VIII 08 10 45 36.5–.92 40.01N–.03 33.58E–.03 0 21 0-1
DDA VIII 08 10 45 35.9 40.01N 33.58E 7 2.5L **¶601888782**
ISCJB VIII 08 10 45 36.3–.45 40.01N–.03 33.57E–.04 0 2.5L
ISK VIII 08 10 45 36.1 39.95N 33.55E 5–0 1.8L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.5km az=28.5.
ISK Event type sm. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC VIII 08 18 32 21.9–3.5 61.92N–.09 30.5E–.20 0 10 2-16
IDC VIII 08 18 32 22.2–5.3 61.87N 30.49E 0 2.1,2.1 **¶601765667**
HEL VIII 08 18 32 24.2–.80 61.93N 30.49E 0 1.6L,2.1
ISC Event type kh.
IDC Error ellipse: s-maj=44.5km s-min=40.8km az=87.0.
HEL Event type kh. Error ellipse: s-maj=3.7km s-min=11.2km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 09 05 44 22.8–.79 59.04N–.03 23.13E–.03 0 43 0-11
UPP VIII 09 05 44 21.0–2.2 59.05N 23.54E 0 2.1L **¶601532942**
ISCJB VIII 09 05 44 22.4–.36 59.03N–.03 23.11E–.04 0 2.1L
HEL VIII 09 05 44 24.4–.20 59.05N 23.18E 0 2.2L
IDC VIII 09 05 44 24.5–2.4 59.12N 23.29E 0 2.9,2.8
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISCJB Event type kh. Error ellipse: s-maj=3.7km s-min=3.1km az=168.4.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=28.1km s-min=8.4km az=153.0.

(369) Dodecanese Islands

ISC VIII 09 07 16 17.2–1.1 36.99N–.03 27.69E–.03 18–3 24 0-1
ISK VIII 09 07 16 17.7 37.00N 27.61E 12–4 2.0L **¶601888826**
DDA VIII 09 07 16 18.1 36.99N 27.64E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VIII 09 09 37 30.5–.93 37.29N–.04 28.16E–.04 0 21 0-1
ISCJB VIII 09 09 37 31.4–.49 37.27N–.03 28.23E–.04 0 **¶601888831**
DDA VIII 09 09 37 31.4 37.23N 28.21E 7 2.5L
ISK VIII 09 09 37 31.1 37.26N 28.23E 8–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=4.3km az=30.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC VIII 09 13 08 35.1–.98 39.88N–.03 34.66E–.03 0 20 0-2
ISK VIII 09 13 08 33.5 39.89N 34.67E 5–0 2.2L **¶601888837**
ISCJB VIII 09 13 08 34.8–.45 39.88N–.03 34.66E–.04 0 2.2L
DDA VIII 09 13 08 34.6 39.89N 34.65E 7 2.7
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.2km s-min=3.6km az=40.6.
DDA Event type sm. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC VIII 09 15 52 49.2–2.5 60.37N–.06 28.6E–.10 0 10 1-14
ISCJB VIII 09 15 52 50.8–1.7 60.41N–.05 28.5E–.20 0 **¶601765706**
HEL VIII 09 15 52 51.9–.10 60.38N 28.56E 0 1.2L
IDC VIII 09 15 52 52.5–5.5 60.56N 28.82E 0 1.2L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=13.7km s-min=7.1km az=4.7.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=38.2km s-min=30.3km az=35.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 09 16 56 40.3–.89 59.06N–.04 23.07E–.03 0 64 1-11
ISCJB VIII 09 16 56 39.7–.40 59.10N–.03 23.05E–.04 0 **¶601533531**
HEL VIII 09 16 56 41.0–.10 59.03N 23.09E 0 2.2L,2.0L
NAO VIII 09 16 56 42.6–1.0 59.21N 23.03E 2.2L,2.0L
UPP VIII 09 16 56 43.3–1.6 59.12N 22.75E 0 2.0L,2.0L
IDC VIII 09 16 56 43.1–2.2 59.22N 23.08E 0 3.0,2.9
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.3km s-min=2.9km az=173.8.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=25.1km s-min=8.1km az=154.0.

(366) Turkey

ISC VIII 10 03 25 57.5–.81 37.13N–.03 29.06E–.03 0 29 0-2
DDA VIII 10 03 25 56.9 37.10N 29.01E 7 2.5 **¶601888872**
ISCJB VIII 10 03 25 57.8–.39 37.12N–.02 29.01E–.03 0 2.5
ISK VIII 10 03 25 58.1 37.06N 29.01E 9–0 1.9L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=3.7km s-min=3.0km az=155.3.
ISK Event type ke.

(326) Southwestern Siberia

IDC VIII 10 05 59 57.8–2.9 53.55N 87.77E 0 3.4,3.4
NNC VIII 10 05 59 59.5–3.3 53.60N 87.42E 0 3.7b,3.3 **¶601615383**
IDC Error ellipse: s-maj=28.7km s-min=16.5km az=52.0.
NNC Event type sm. Error ellipse: s-maj=26.1km s-min=21.4km az=10.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 10 09 26 59.5–1.9 67.60N–.04 33.91E–.09 0 48 0-12
HEL VIII 10 09 26 59.1–.30 67.69N 34.14E 0 2.5L **¶601559767**
KOLA VIII 10 09 27 01.9 67.65N 33.81E 0 2.5L
IDC VIII 10 09 27 03.1–2.9 67.69N 33.57E 0 3.3,3.2
NAO VIII 10 09 27 04.7–2.6 67.64N 33.15E 2.8L,3.2
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0. Explosion.
KOLA Event type km.
IDC Error ellipse: s-maj=35.0km s-min=12.2km az=67.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(366) Turkey

ISC VIII 10 09 31 59.1–.89 37.31N–.05 28.25E–.04 0 20 0-1
ISCJB VIII 10 09 31 59.6–.49 37.26N–.04 28.22E–.04 0 **¶601888884**
DDA VIII 10 09 31 59.6 37.23N 28.16E 7 2.6L
ISK VIII 10 09 31 59.3 37.25N 28.21E 12–0 2.0L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.2km s-min=3.5km az=44.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 10 09 52 12.0–1.8 67.67N–.05 33.98E–.09 0 43 0-12
ISCJB VIII 10 09 52 10.5–.98 67.79N–.03 34.0E–.10 0 **¶601559768**
HEL VIII 10 09 52 11.2–.30 67.73N 34.14E 0 2.5L
KOLA VIII 10 09 52 12.5 67.66N 33.99E 0 2.5L
NAO VIII 10 09 52 14.8–1.9 67.61N 33.46E 2.9L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.8km s-min=4.8km az=7.9.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. Explosion.
KOLA Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(723) Finland-Karelia border region

HEL VIII 10 11 57 48.0–.30 60.66N 27.02E 0 1.0L
¶604537318
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.5km az=-1.0. Explosion.

(548) Poland

ISC VIII 11 00 32 16.0–.76 50.08N–.03 18.42E–.02 0 56 0-4
ISCJB VIII 11 00 32 14.5–.39 50.09N–.02 18.38E–.03 0 **¶601554340**
IPEC VIII 11 00 32 15.9–.17 50.06N 18.46E 3–2 2.0L
WAR VIII 11 00 32 15.8 50.06N 18.44E 1 2.4W
PRU VIII 11 00 32 16.2–.00 50.08N 18.39E 0 2.4W
VIE VIII 11 00 32 17.9–1.4 49.94N 18.36E 0 2.5L,1.8b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.3km az=7.6.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=13.3km s-min=7.6km az=1.0. 14 km NNE of Ostrava . Suspected Mining induced.

(547) Czech and Slovak Republics

PRU VIII 11 06 30 52.6–.00 49.81N 18.56E 0
¶601554343
PRU Event type ki.

(366) Turkey

ISC VIII 11 07 49 28.8–.86 39.65N–.03 29.43E–.03 0 24 1-1
ISCJB VIII 11 07 49 28.8–.41 39.65N–.03 29.41E–.03 0 **¶601888918**
DDA VIII 11 07 49 28.8 39.66N 29.39E 7 2.5L
ISK VIII 11 07 49 28.2 39.62N 29.49E 10–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.0km s-min=3.3km az=44.1.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC VIII 11 09 11 05.5–.86 39.62N–.03 29.41E–.03 0 22 1-2
DDA VIII 11 09 10 43.2 37.33N 28.03E 8 2.6L **¶601888925**
ISCJB VIII 11 09 11 05.8–.43 39.64N–.03 29.43E–.04 0 2.6L
ISK VIII 11 09 11 05.8 39.63N 29.45E 8–0 2.3L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=3.6km az=38.4.
ISK Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VIII 11 09 40 37.4–.85 39.74N–.03 30.77E–.03 0 24 0-2
ISK VIII 11 09 40 36.6 39.70N 30.76E 8–0 2.1L **¶601888927**
ISCJB VIII 11 09 40 37.3–.58 39.70N–.04 30.77E–.05 0 2.1L
DDA VIII 11 09 40 37.3 39.75N 30.78E 7 2.4L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=4.3km az=44.5.
DDA Event type ke.

(460) Wyoming

ISC VIII 11 18 34 34.9–1.2 43.83N–.07 105.23W–.07 0 17 1-11
ISCJB VIII 11 18 34 33.4–.55 43.79N–.06 105.24W–.07 0 **¶601765759**
NEIC VIII 11 18 34 34.9–.40 43.80N 105.22W 0 3.2L
IDC VIII 11 18 34 34.9–2.1 43.97N 105.59W 0 3.6,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.7km s-min=6.6km az=164.6.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=4.9km az=160.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=77.9km s-min=9.5km az=148.0.

(460) Wyoming

ISC VIII 11 20 03 57.9–.80 43.80N–.07 105.30W–.06 0 4.1b 24 1-90
IDC VIII 11 20 03 53.5–.97 43.01N 105.05W 0 4.0,4.0b **¶601765762**
ISCJB VIII 11 20 03 56.5–.43 43.80N–.05 105.28W–.06 0 4.1b,4.0b
NEIC VIII 11 20 03 58.3–.30 43.80N 105.29W 0 3.5L,4.0b
ISC Event type sm.
IDC Error ellipse: s-maj=19.4km s-min=8.1km az=160.0.
ISCJB Event type fm. Error ellipse: s-maj=7.3km s-min=5.9km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=5.2km s-min=4.1km az=149.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC VIII 11 23 56 36.1–.57 49.80N–.02 18.50E–.02 0 139 0-39
VIE VIII 11 23 56 35.4–.72 49.93N 18.59E 0 3.3s,2.9L **¶601553235**
ISCJB VIII 11 23 56 35.5–.23 49.85N–.02 18.46E–.02 0 3.4b,2.9L
IDC VIII 11 23 56 36.1–.62 49.61N 18.66E 0 3.5b,3.4
SIGU VIII 11 23 56 36.1–1.2 50N–3.0 19E–2.0 12–2 3.2,3.4
IPEC VIII 11 23 56 36.8–.17 49.84N 18.57E 0 2.8L,3.4
BGR VIII 11 23 56 37.1–.60 49.85N 18.58E 1 3.5L,3.4
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=6.6km s-min=5.0km az=59.0. 27 km ENE of Ostrava . Suspected Mining induced.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=1.8km az=8.3.
IDC Error ellipse: s-maj=11.2km s-min=7.2km az=169.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=163.0.
BGR Event type ki. Error ellipse: s-maj=14.5km s-min=7.8km az=12.0.

(366) Turkey

ISC VIII 12 08 45 44.7–1.0 37.23N–.03 28.22E–.03 0 22 0-1
ISK VIII 12 08 45 43.8 37.24N 28.23E 12–0 2.4L **¶601888958**
ISCJB VIII 12 08 45 44.4–.48 37.23N–.04 28.22E–.04 0 2.4L
DDA VIII 12 08 45 44.8 37.24N 28.24E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.0km s-min=3.8km az=41.5.

DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC VIII 12 19 54 57.0–1.0 37.20N–.03 28.74E–.03 0 16 0-1
ISK VIII 12 19 54 56.4 37.20N 28.79E 17–0 1.8L ¶601888980
ISCJB VIII 12 19 54 57.4–.53 37.19N–.03 28.76E–.03 0 1.8L
DDA VIII 12 19 54 57.8 37.24N 28.77E 8 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=3.9km az=24.5.
DDA Event type sm. Suspected Mining explosion.
(536) Sweden
ISC VIII 13 05 36 18.1–.71 67.81N–.03 20.25E–.02 0 63 0-8
NAO VIII 13 05 36 17.8–.90 67.83N 20.39E 2.4L ¶601561210
UPP VIII 13 05 36 18.8–.10 67.84N 20.20E 0 2.1L
ISCJB VIII 13 05 36 18.2–.34 67.84N–.02 20.22E–.05 0 2.1L
HEL VIII 13 05 36 19.5–.10 67.85N 20.18E 1 2.1L,2.1L
IDC VIII 13 05 36 19.1–1.0 67.78N 20.74E 0 2.8,2.8
BER VIII 13 05 36 20.4–2.2 67.85N 20.40E 0 1.9L,2.8
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
ISCJB Event type sh. Error ellipse: s-maj=3.3km s-min=2.9km az=180.0.
HEL Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=6.5km az=123.0.
BER Event type sh. Error ellipse: s-maj=3.7km s-min=14.4km az=-1.0. Suspected explosion.
(721) Finland
HEL VIII 13 08 19 54.9–.10 63.68N 26.50E 0 1.3L ¶604537404
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.8km az=-1.0. Explosion.
(326) Southwestern Siberia
IDC VIII 13 09 13 47.0–2.4 53.52N 87.77E 0 3.7,3.7
NNC VIII 13 09 13 46.4–2.0 53.54N 87.76E 0 3.9b,3.5 ¶601626871
IDC Error ellipse: s-maj=21.1km s-min=12.6km az=62.0.
NNC Event type sm. Error ellipse: s-maj=20.1km s-min=13.1km az=176.0. Suspected Mining explosion.
(548) Poland
ISC VIII 13 21 53 48.2–.80 50.13N–.03 19.02E–.02 0 47 0-4
ISCJB VIII 13 21 53 47.7–.44 50.17N–.03 18.95E–.03 0 ¶601564120
IPEC VIII 13 21 53 48.2–.14 50.20N 19.06E 2–1 1.8L
PRU VIII 13 21 53 48.6–.00 50.18N 18.99E 0 1.8L
WAR VIII 13 21 53 48.6 50.19N 19.00E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.8km s-min=2.7km az=11.8.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=168.0.
PRU Event type ki.
(548) Poland
ISC VIII 14 10 16 17.5–.79 50.21N–.04 18.79E–.02 0 37 0-4
ISCJB VIII 14 10 16 16.3–.50 50.27N–.03 18.73E–.03 0 ¶601564127
PRU VIII 14 10 16 17.8–.00 50.27N 18.75E 0
WAR VIII 14 10 16 18.1 50.27N 18.84E 1 2.7W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.9km s-min=2.6km az=6.5.
PRU Event type ki.
(478) Utah
ISC VIII 14 12 30 12.9–.69 40.65N–.02 109.58W–.02 0 128 1-9
IDC VIII 14 12 30 08.0–2.8 40.67N 110.42W 0 4.1L,3.4 ¶601765835
ISCJB VIII 14 12 30 13.1–.20 40.70N–.01 109.57W–.02 0 4.1L,3.4
NEIC VIII 14 12 30 13.6–.26 40.67N 109.57W 0 2.9L,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=44.2km s-min=13.8km az=123.0.
ISCJB Event type fm. Error ellipse: s-maj=2.6km s-min=1.7km az=159.4.
NEIC Event type fm. Error ellipse: s-maj=4.7km s-min=3.2km az=76.0. 24 km [15 miles] N of Vernal. Suspected Mining explosion.
(460) Wyoming
ISC VIII 14 20 13 03.1–.88 44.36N–.07 105.45W–.06 0 14 1-15
NEIC VIII 14 20 13 05.6–.61 44.16N 105.31W 0 3.0L ¶601765850
IDC VIII 14 20 13 06.1–1.3 44.86N 106.18W 0 3.6,3.2
ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=11.7km s-min=7.3km az=161.0. 21 km [13 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=109.0km s-min=11.1km az=143.0.
(548) Poland
ISC VIII 15 03 16 43.0–.97 51.63N–.04 16.10E–.03 0 53 1-5
ISCJB VIII 15 03 16 42.7–.60 51.53N–.03 16.08E–.03 0 ¶601564133
PRU VIII 15 03 16 44.5–.00 51.59N 16.06E 0
VIE VIII 15 03 16 46.9–.80 51.34N 15.98E 0 2.5L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=2.9km az=20.8.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.9km s-min=4.3km az=40.0. 77 km WNW of Wroclaw . Suspected Mining induced.
(366) Turkey
ISC VIII 15 08 41 36.8–.95 37.22N–.03 28.19E–.02 0 26 0-1
ISK VIII 15 08 41 36.5 37.21N 28.19E 7–0 2.1L ¶601889230
ISCJB VIII 15 08 41 37.1–.41 37.24N–.03 28.21E–.03 0 2.1L
DDA VIII 15 08 41 37.0 37.24N 28.20E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=2.8km az=36.2.
DDA Event type sm. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VIII 15 09 13 24.9–2.5 53.54N 87.80E 0 3.5,3.5
KRAR VIII 15 09 13 23.4–.27 53.69N 88.05E 2.3,3.5 ¶601629618
NNC VIII 15 09 13 23.6–3.3 53.49N 87.92E 0 3.9b,3.5
IDC Error ellipse: s-maj=21.9km s-min=13.2km az=60.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=26.5km s-min=13.5km az=62.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VIII 15 09 42 05.0–2.5 53.54N 87.80E 0 3.6,3.6
KRAR VIII 15 09 42 04.0–.25 53.61N 88.02E 2.4,3.6 ¶601629620
NNC VIII 15 09 42 05.4–2.3 53.45N 87.75E 0 3.8b,3.5
IDC Error ellipse: s-maj=21.7km s-min=12.8km az=59.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=18.7km s-min=9.2km az=65.0. Suspected Mining explosion.
(366) Turkey
ISC VIII 15 10 13 46.5–.86 39.81N–.03 32.99E–.03 0 27 0-2
ISCJB VIII 15 10 13 46.7–.41 39.88N–.03 33.04E–.04 0 ¶601889240
ISK VIII 15 10 13 46.8 39.80N 32.93E 21–0 2.0L
DDA VIII 15 10 13 47.6 39.91N 33.09E 7 2.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.8km az=153.7.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VIII 15 11 18 07.6–2.5 53.47N 87.76E 0 3.3,3.3
KRAR VIII 15 11 18 04.1–.30 53.49N 87.93E 2.1,3.3 ¶601629622
NNC VIII 15 11 18 08.8–2.0 53.42N 87.65E 0 3.5b,3.2
IDC Error ellipse: s-maj=22.1km s-min=13.5km az=69.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=15.8km s-min=7.7km az=66.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VIII 15 12 50 02.1–.59 59.72N–.02 24.43E–.02 0 85 1-13
ISCJB VIII 15 12 50 02.9–.32 59.62N–.02 24.43E–.05 0 ¶601562049
HEL VIII 15 12 50 04.9–.10 59.64N 24.46E 0 2.8L
NAO VIII 15 12 50 04.2–.90 59.67N 24.49E 2.9L
IDC VIII 15 12 50 05.8–.87 59.77N 24.42E 0 3.6,3.5
LVSN VIII 15 12 50 06.8–7.1 59.69N 24.56E 0–26 3.0L,3.5
UPP VIII 15 12 50 19.2–2.4 59.96N 22.30E 0 1.6L,3.5
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.7km s-min=2.9km az=15.4.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=10.8km s-min=5.8km az=129.0.
LVSN Error ellipse: s-maj=12.7km s-min=45.9km az=-1.0.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
(366) Turkey
ISC VIII 15 15 00 34.2–1.1 37.27N–.04 28.12E–.04 0 14 0-1
ISK VIII 15 15 00 32.7 37.34N 28.28E 20–6 2.1L ¶601889257
ISCJB VIII 15 15 00 35.1–.59 37.22N–.04 28.21E–.04 0 2.1L
DDA VIII 15 15 00 35.1 37.23N 28.22E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.2km s-min=4.6km az=17.9.
DDA Event type sm. Suspected Mining explosion.
(540) The Netherlands
ISC VIII 15 19 17 35.4–.82 53.33N–.03 6.59E–.03 0 79 0-8
ISCJB VIII 15 19 17 32.4–.53 53.40N–.03 6.31E–.04 0 ¶602418665
BNS VIII 15 19 17 35.7–1.1 53.43N 6.75E 3 2.5L
BGR VIII 15 19 17 36.2–.48 53.39N 6.53E 5 2.9L
LDG VIII 15 19 17 38.4–.66 52.97N 6.78E 3 2.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=3.4km az=145.8.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=119.0.
LDG Event type ke. Error ellipse: s-maj=13.6km s-min=6.4km az=39.0.
(366) Turkey
ISC VIII 16 08 45 11.8–1.1 37.22N–.03 28.18E–.03 0 20 0-1
ISCJB VIII 16 08 45 11.9–.52 37.21N–.04 28.18E–.05 0 ¶601889365
ISK VIII 16 08 45 11.7 37.21N 28.16E 14–2 2.0L
DDA VIII 16 08 45 12.2 37.23N 28.18E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.8km s-min=3.8km az=43.0.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC VIII 16 09 27 26.9–.94 37.26N–.04 28.20E–.03 0 23 0-2
ISCJB VIII 16 09 27 27.7–.47 37.23N–.04 28.22E–.04 0 ¶601889369
DDA VIII 16 09 27 27.8 37.21N 28.17E 7 2.7L
ISK VIII 16 09 27 27.3 37.25N 28.24E 7–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=3.9km az=32.5.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC VIII 16 09 28 10.5–.93 39.58N–.04 29.39E–.03 0 18 0-2
ISCJB VIII 16 09 28 10.9–.50 39.64N–.03 29.41E–.04 0 ¶601889370
DDA VIII 16 09 28 11.1 39.63N 29.40E 7 2.7L
ISK VIII 16 09 28 11.2 39.69N 29.46E 5–1 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=4.0km az=136.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(326) Southwestern Siberia
IDC VIII 16 10 49 22.5–2.4 53.51N 87.82E 0 3.3,3.3
NNC VIII 16 10 49 20.9–1.5 53.60N 87.92E 0 3.5b,3.2 ¶601645463
IDC Error ellipse: s-maj=21.3km s-min=13.2km az=60.0.
NNC Event type sm. Error ellipse: s-maj=11.2km s-min=6.7km az=78.0. Suspected Mining explosion.
(460) Wyoming
ISC VIII 16 17 58 28.3–.96 43.82N–.07 105.15W–.08 0 22 1-90
ISCJB VIII 16 17 58 27.2–.47 43.86N–.05 105.16W–.06 0 3.8b ¶601765955
NEIC VIII 16 17 58 28.9–.37 43.84N 105.16W 0 3.3L
IDC VIII 16 17 58 29.2–1.8 43.98N 105.64W 0 3.8,3.7b
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.5km s-min=6.4km az=149.2.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=5.2km az=145.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=59.2km s-min=8.3km az=146.0.
(540) The Netherlands
ISC VIII 16 20 30 30.7–.47 53.35N–.02 6.62E–.02 0 3.7b 484 0-56
ISCJB VIII 16 20 30 28.8–.12 53.436N–.01 6.54E–.02 0 3.7b ¶601564502
MOS VIII 16 20 30 30.8–1.6 53.38N 6.57E 14 4.0b
IDC VIII 16 20 30 31.7–1.2 53.16N 6.36E 0 3.8,3.6
BGS VIII 16 20 30 32.4–1.2 53.38N 6.60E 10–24 3.9L,3.9L
BGR VIII 16 20 30 33.4–.37 53.37N 6.57E 5 3.7L,3.9L
BNS VIII 16 20 30 33.2–.64 53.36N 6.56E 3 3.4L,3.9L
LDG VIII 16 20 30 33.6–.09 53.33N 6.68E 3 3.8,3.8L
NEIC VIII 16 20 30 33.4–.00 53.34N 6.75E 3 3.4L,3.8L
UPP VIII 16 20 30 36.7–3.8 53.54N 7.12E 0–26 2.6L,3.8L
PRU VIII 16 20 30 38.0–.00 53.28N 7.01E 14 2.6L,3.8L
NAO VIII 16 20 30 38.1–4.0 53.80N 6.16E 12–21 3.4L,3.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=1.6km s-min=1.3km az=5.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=96.9.
IDC Error ellipse: s-maj=20.4km s-min=12.2km az=63.0.
BGS Error ellipse: s-maj=7.5km s-min=70.0km az=-1.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=125.0.
BNS Event type ki.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=64.0.
NEIC Event type fe. Felt [III] at Groningen. Also felt at Bedum, Delfzijl and Slochteren. After DBN.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
(547) Czech and Slovak Republics
ISC VIII 17 02 56 55.4–.66 49.89N–.02 18.53E–.02 0 93 0-20
ISCJB VIII 17 02 56 54.6–.28 49.85N–.02 18.42E–.02 0 ¶601566676
IPEC VIII 17 02 56 56.2–.17 49.84N 18.57E 0 2.5L
IDC VIII 17 02 56 56.6–2.0 49.73N 18.57E 0 3.1,2.9
VIE VIII 17 02 56 58.2–.97 49.65N 18.38E 0 2.7L,1.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.8km s-min=1.9km az=13.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=163.0.
IDC Error ellipse: s-maj=30.9km s-min=9.9km az=137.0.
VIE Event type sr. Error ellipse: s-maj=6.8km s-min=5.1km az=97.0. 22 km SSE of Ostrava . Suspected Mining induced.
(723) Finland-Karelia border region
ISC VIII 17 07 59 35.3–1.6 64.92N–.04 30.54E–.09 0 30 1-10
IDC VIII 17 07 59 26.9–4.3 64.54N 33.31E 0 2.8,2.8 ¶601605968
HEL VIII 17 07 59 32.2–.20 64.65N 30.75E 0 2.0L,2.8
NAO VIII 17 07 59 35.6–2.3 64.76N 30.13E 2.0L,2.8
ISC Event type kh.
IDC Error ellipse: s-maj=58.2km s-min=14.0km az=109.0.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=3.2km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
(724) Baltic States-Belarus-Northwestern Russia
FIA0 VIII 17 09 04 04.0 60.41N 29.08E 0 1.1L ¶604537601
FIA0 Event type kh. Explosion.
(326) Southwestern Siberia
NNC VIII 17 10 15 09.4–2.6 54.27N 87.34E 22–21 3.9b,3.4
KRAR VIII 17 10 15 09.0–.16 54.11N 87.11E 2.6,3.4 ¶601664052
NNC Event type sm. Error ellipse: s-maj=21.0km s-min=17.4km az=54.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(367) Turkey-Georgia-Armenia border region
ISC VIII 17 19 36 57.5–.94 41.42N–.04 42.04E–.04 0 19 0-2
ISK VIII 17 19 36 57.3 41.47N 42.14E 10–1 2.1L ¶601889523
ISCJB VIII 17 19 36 59.3–.54 41.40N–.03 42.07E–.04 0 2.1L

DDA VIII 17 19 36 59.1 41.43N 42.05E 7 3.1L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=3.6km az=144.0.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC VIII 18 00 56 51.9–.78 50.12N–.03 19.01E–.02 0 47 0-4
ISCJB VIII 18 00 56 51.7–.45 50.20N–.03 18.94E–.03 0 **¶601566692**
IPEC VIII 18 00 56 52.0–.19 50.28N 19.04E 0 1.9L
PRU VIII 18 00 56 52.5–.00 50.21N 18.99E 0 1.9L
WAR VIII 18 00 56 52.6 50.22N 19.01E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=2.6km az=13.9.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=170.0.
PRU Event type ki.

(547) Czech and Slovak Republics

PRU VIII 18 15 08 59.6–.00 49.86N 18.51E 0
IPEC VIII 18 15 08 59.2–.17 49.86N 18.56E 1–3 1.5L **¶601566698**
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=164.0.

(460) Wyoming

ISC VIII 18 23 30 15.4–.69 43.82N–.05 105.30W–.04 0 4.0b 26 1-145
ISCJB VIII 18 23 30 14.1–.51 43.86N–.04 105.32W–.05 0 4.1b **¶601766121**
NEIC VIII 18 23 30 16.0–.63 43.79N 105.29W 0 3.1L
IDC VIII 18 23 30 16.4–.84 44.03N 105.70W 0 3.9b,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.3km s-min=4.7km az=169.5.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=6.3km az=149.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.1km s-min=8.4km az=148.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 19 04 50 19.6–.87 67.59N–.04 33.25E–.04 0 56 0-12
ISCJB VIII 19 04 50 18.9–.53 67.62N–.03 33.09E–.09 0 **¶606362966**
HEL VIII 19 04 50 18.3–.30 67.66N 33.72E 0 2.2L
KOLA VIII 19 04 50 18.5 67.67N 33.75E 0 2.2L
IDC VIII 19 04 50 19.2–1.8 67.75N 33.76E 0 3.5,3.5
NAO VIII 19 04 50 20.1–1.8 67.66N 33.42E 2.9L,3.5
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.8km s-min=3.8km az=138.4.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0. Explosion.
KOLA Event type km.
IDC Error ellipse: s-maj=19.3km s-min=9.1km az=83.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(326) Southwestern Siberia

NNC VIII 19 05 55 02.7–5.4 54.15N 86.64E 0 3.5b,3.3
¶601669902
NNC Event type sm. Error ellipse: s-maj=58.7km s-min=24.2km az=7.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 20 10 14 01.4–2.8 53.51N 87.74E 0 3.1,3.1
NNC VIII 20 10 13 59.3–4.8 53.60N 87.88E 0 3.6b,3.2 **¶601671330**
IDC Error ellipse: s-maj=23.2km s-min=14.4km az=62.0.
NNC Event type sm. Error ellipse: s-maj=36.6km s-min=21.8km az=60.0. Suspected Mining explosion.

(537) Baltic Sea

ISC VIII 20 15 56 57.7–.73 58.85N–.02 18.89E–.03 0 60 0-11
ISCJB VIII 20 15 56 58.1–.45 58.86N–.03 18.84E–.06 0 **¶601582282**
UPP VIII 20 15 56 58.7–.20 58.86N 18.89E 0 1.9L
HEL VIII 20 15 56 59.9–.00 58.86N 18.83E 0 1.9L
BER VIII 20 15 57 01.5–2.9 58.95N 18.86E 0 2.4L,1.9L
NAO VIII 20 15 57 01.1–2.5 58.98N 18.82E 2.4L,1.9L
IDC VIII 20 15 57 02.1–2.3 59.10N 18.80E 0 3.0,2.9
LVSN VIII 20 15 57 06.4–14 58.89N 19.75E 0–79 2.2L,2.9
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.5km s-min=4.3km az=161.3.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=15.2km s-min=13.2km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=32.0km s-min=9.5km az=172.0.
LVSN Error ellipse: s-maj=33.0km s-min=107.8km az=-1.0.

(537) Baltic Sea

ISC VIII 20 16 12 40.1–.70 58.85N–.02 18.80E–.02 0 100 0-11
ISCJB VIII 20 16 12 39.7–.29 58.87N–.02 18.82E–.04 0 **¶601582284**
UPP VIII 20 16 12 40.5–.20 58.85N 18.82E 0 1.7L
HEL VIII 20 16 12 41.4–.10 58.84N 18.79E 0 2.4L,1.7L
BER VIII 20 16 12 43.1–3.1 58.96N 18.93E 0 2.3L,1.9L
NAO VIII 20 16 12 43.7–1.8 59.09N 18.69E 2.3L,1.9L
IDC VIII 20 16 12 44.6–1.8 59.16N 18.67E 0 3.0,2.9
LVSN VIII 20 16 12 45.7–8.7 59.01N 19.57E 0–44 2.1L,2.9
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.1km s-min=2.5km az=143.7.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=15.2km s-min=12.9km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=6.8km az=176.0.
LVSN Error ellipse: s-maj=21.9km s-min=54.1km az=-1.0.

(537) Baltic Sea

ISC VIII 20 16 30 19.5–.69 58.84N–.02 18.84E–.02 0 101 0-11
ISCJB VIII 20 16 30 19.7–.30 58.84N–.02 18.83E–.04 0 **¶604537716**
UPP VIII 20 16 30 20.4–.20 58.84N 18.87E 0 1.9L
HEL VIII 20 16 30 21.1–.10 58.84N 18.87E 0 2.6L,1.9L
IDC VIII 20 16 30 22.2–2.0 58.92N 18.92E 0 3.2,3.1
NAO VIII 20 16 30 23.0–1.8 59.01N 18.72E 2.6L,3.1
BER VIII 20 16 30 23.5–3.5 58.96N 18.91E 0 2.1L,3.1
LVSN VIII 20 16 30 25.5–6.5 58.92N 19.59E 0–40 2.0L,3.1
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.0km s-min=2.7km az=136.1.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=25.1km s-min=8.4km az=170.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=16.4km s-min=12.6km az=-1.0. Suspected explosion.
LVSN Error ellipse: s-maj=17.1km s-min=45.8km az=-1.0.

(460) Wyoming

ISC VIII 20 18 06 44.7–.72 43.86N–.07 105.28W–.06 0 4.0b 26 1-89
ISCJB VIII 20 18 06 43.1–.42 43.87N–.04 105.23W–.06 0 4.1b **¶601766209**
NEIC VIII 20 18 06 44.8–.36 43.86N 105.23W 0 3.4L
IDC VIII 20 18 06 44.5–.91 43.82N 105.51W 0 4.0b,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=6.2km az=41.8.
NEIC Event type fm. Error ellipse: s-maj=6.0km s-min=5.3km az=125.0. 53 km [33 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.8km s-min=7.4km az=148.0.

(548) Poland

ISC VIII 20 20 45 50.4–.67 51.57N–.03 16.07E–.02 0 132 1-19
ISCJB VIII 20 20 45 49.3–.27 51.52N–.01 16.13E–.02 0 **¶601589469**
LDG VIII 20 20 45 51.2–.32 51.51N 16.11E 1 3.4L
BGR VIII 20 20 45 53.1–.47 51.43N 16.09E 1 3.1L
IDC VIII 20 20 45 53.7–.84 51.41N 16.01E 0 3.4,3.3
UPP VIII 20 20 45 54.4–3.0 51.68N 15.50E 5 1.8L,3.3
VIE VIII 20 20 45 54.5–.70 51.32N 15.96E 0 2.6L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.2km s-min=1.9km az=24.6.
LDG Event type sr. Error ellipse: s-maj=7.6km s-min=3.4km az=10.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=18.0.
IDC Error ellipse: s-maj=13.2km s-min=7.7km az=108.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=4.2km az=130.0. 77 km WNW of Wroclaw . Suspected Mining induced.

(723) Finland-Karelia border region

ISC VIII 22 08 57 44.8–1.6 64.70N–.07 31.1E–.10 10 18 3-10
IDC VIII 22 08 57 47.0–2.7 64.66N 31.62E 0 3.0,3.0 **¶606362974**
NAO VIII 22 08 57 48.8–1.9 64.67N 30.53E 2.2L,3.0
KOLA VIII 22 08 57 50.2 64.70N 30.58E 2.4,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=9.3km az=103.0.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(543) Germany

ISC VIII 22 10 00 03.7–2.6 50.20N–.08 12.7E–.10 10 10 2-3
VIE VIII 22 10 00 03.1–.57 50.20N 12.79E 0 2.5L,1.9b **¶604491858**
ISC Event type ke.
VIE Event type sm. Error ellipse: s-maj=6.2km s-min=3.8km az=44.0. 24 km E of Klingenthal . Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 22 10 50 31.1–.40 60.57N 29.19E 0 1.5L
LVSN VIII 22 10 50 32.5–7.4 58.40N 26.80E 0–102 1.5L **¶604537765**
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=55.1km s-min=206.4km az=-1.0.

(460) Wyoming

ISC VIII 22 21 07 40.6–.77 43.80N–.04 105.19W–.03 0 37 1-20
ISCJB VIII 22 21 07 40.1–.49 43.79N–.03 105.21W–.06 0 **¶601766324**
IDC VIII 22 21 07 40.1–1.9 43.74N 105.38W 0 3.5,3.2
NEIC VIII 22 21 07 41.5–.39 43.82N 105.26W 0 2.8,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.8km az=2.9.
IDC Error ellipse: s-maj=49.3km s-min=8.8km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=6.4km s-min=5.0km az=178.0. 56 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC VIII 23 02 16 47.1–1.6 36.59N–.05 26.86E–.04 116–13 42 1-3
ATH VIII 23 02 16 46.0 36.59N 26.81E 91–12 2.7L **¶601890007**
ISK VIII 23 02 16 47.5 36.58N 26.86E 105–5 2.0L
DDA VIII 23 02 16 57.3 37.09N 27.57E 7 2.6L
ISC Event type se.
ATH Event type ke. Error ellipse: s-maj=12.9km s-min=2.8km az=102.0.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VIII 23 07 03 52.5–.80 39.61N–.02 29.45E–.03 0 31 1-2
ISCJB VIII 23 07 03 52.8–.36 39.64N–.02 29.42E–.03 0 **¶601890017**
DDA VIII 23 07 03 52.6 39.66N 29.42E 7 2.5L
ISK VIII 23 07 03 52.4 39.59N 29.47E 8–0 2.0L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.0km az=25.7.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

NNC VIII 23 08 21 38.9–6.5 53.13N 90.32E 0–36 3.9b,3.5
KRAR VIII 23 08 21 25.0–.19 53.82N 90.98E 2.6,3.5 **¶601676494**
NNC Event type sm. Error ellipse: s-maj=39.9km s-min=32.9km az=73.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(366) Turkey

ISC VIII 23 08 48 35.9–.93 37.28N–.04 28.25E–.03 0 22 0-2
ISK VIII 23 08 48 35.4 37.27N 28.23E 5–0 2.0L **¶601890019**
ISCJB VIII 23 08 48 36.5–.49 37.24N–.03 28.23E–.03 0 2.0L
DDA VIII 23 08 48 36.5 37.20N 28.23E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.5km az=22.6.
DDA Event type sm. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 24 04 04 18.6–1.7 67.53N–.04 34.01E–.09 0 30 2-12
ISCJB VIII 24 04 04 19.9–1.4 67.54N–.04 33.7E–.20 0 **¶606362976**
KOLA VIII 24 04 04 20.8 67.63N 33.94E 1.6
HEL VIII 24 04 04 20.8–.70 67.60N 34.00E 0 2.3L
NAO VIII 24 04 04 23.4–1.8 67.57N 33.35E 2.6L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=11.4km s-min=5.5km az=6.7.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=11.8km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(366) Turkey

ISC VIII 24 08 52 14.5–1.1 37.25N–.03 28.24E–.03 0 22 0-1
DDA VIII 24 08 52 12.7 37.19N 28.21E 7 2.6L **¶601890061**
ISK VIII 24 08 52 12.9 37.25N 28.24E 10–1 2.1L
ISCJB VIII 24 08 52 13.2–.53 37.28N–.03 28.28E–.04 0 2.1L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(723) Finland-Karelia border region

ISC VIII 24 08 59 42.4–1.1 64.67N–.04 30.46E–.06 0 32 1-10
ISCJB VIII 24 08 59 40.6–.79 64.66N–.04 30.41E–.09 0 **¶606362978**
HEL VIII 24 08 59 41.4–.40 64.60N 30.82E 0 2.2L
MOS VIII 24 08 59 42.8 64.67N 30.94E 2.2
IDC VIII 24 08 59 42.7–2.2 64.56N 31.35E 0 3.0,3.0
KOLA VIII 24 08 59 43.2 64.69N 30.42E 0 3.0,3.0
NAO VIII 24 08 59 44.1–1.8 64.64N 30.29E 2.5L,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.0km s-min=4.3km az=43.8.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=4.8km az=-1.0. Explosion.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=30.3km s-min=9.9km az=106.0.
KOLA Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(326) Southwestern Siberia

ISC VIII 24 09 05 36.6–4.1 53.3N–.10 90.4E–.20 0 12 3-8
ASRS VIII 24 09 05 23.5 53.82N 91.13E 3.3 **¶601687084**
IDC VIII 24 09 05 34.0–3.3 53.44N 90.53E 0 3.4,3.4
NNC VIII 24 09 05 36.4–4.6 53.22N 90.52E 0 4.1b,3.8
ISC Event type sm.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=27.6km s-min=22.5km az=62.0.
NNC Event type sm. Error ellipse: s-maj=36.3km s-min=23.3km az=95.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC VIII 24 09 31 19.4–4.0 53.36N 87.76E 0 3.6b,3.3
¶601687082
NNC Event type sm. Error ellipse: s-maj=36.1km s-min=15.1km az=63.0. Suspected Mining explosion.

(366) Turkey

ISC VIII 24 14 22 57.8–1.2 39.92N–.04 33.23E–.06 0 15 0-1
ISCJB VIII 24 14 22 59.7–.71 39.94N–.03 33.12E–.05 0 **¶601890075**
ISK VIII 24 14 22 59.1 39.95N 33.09E 12–0 1.8L
DDA VIII 24 14 23 00.1 39.90N 33.11E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=4.6km az=163.1.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VIII 25 08 27 12.1–.97 39.61N–.04 29.40E–.04 0 16 1-2
ISCJB VIII 25 08 27 12.6–.61 39.63N–.03 29.44E–.05 0 **¶601890113**
DDA VIII 25 08 27 12.4 39.70N 29.41E 7 2.6L
ISK VIII 25 08 27 13.7 39.68N 29.49E 12–0 2.5L

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.3km s-min=4.9km az=11.9.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**VIII**	**25 09 21 35.6–.94**	**37.29N–.03**	**28.23E–.03**	**0**		**21**	**0-1**
ISCJB	VIII	25 09 21 35.8–.50	37.25N–.03	28.22E–.04	0			**¶601890118**
ISK	VIII	25 09 21 35.1	37.26N	28.23E	6–0	2.0L		
DDA	VIII	25 09 21 36.2	37.23N	28.20E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.0km s-min=3.9km az=137.0.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(547) Czech and Slovak Republics

PRU	**VIII**	**25 14 27 25.2–.00**	**49.87N**	**18.52E**	**0**			**¶601627657**

PRU Event type ki.

(548) Poland

ISC	**VIII**	**25 15 36 29.8–.50**	**51.55N–.03**	**16.11E–.02**	**0**	**3.4b**	**191**	**1-75**
ISCJB	VIII	25 15 36 28.9–.22	51.51N–.01	16.09E–.02	0	3.4b		**¶601626201**
LDG	VIII	25 15 36 30.6–.27	51.53N	16.16E	1	4.0L		
IDC	VIII	25 15 36 31.9–.52	51.49N	16.01E	0	3.6,3.5		
PRU	VIII	25 15 36 31.7–.00	51.53N	16.07E	0	3.6,3.5		
BGR	VIII	25 15 36 32.4–.38	51.49N	16.11E	1	3.5L,3.5		
VIE	VIII	25 15 36 35.0–.94	51.25N	15.96E	0	3.4s,3.0L		
UPP	VIII	25 15 36 35.6–2.7	51.76N	15.46E	1	1.8L,3.0L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=1.9km s-min=1.8km az=164.2.
LDG Event type sr. Error ellipse: s-maj=7.0km s-min=3.5km az=14.0. Suspected Mining induced.
IDC Error ellipse: s-maj=9.9km s-min=5.7km az=111.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=14.0.
VIE Event type sr. Error ellipse: s-maj=5.3km s-min=4.3km az=16.0. 75 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.

(366) Turkey

DDA	**VIII**	**26 03 25 43.1**	**37.03N**	**28.46E**	**7**	**1.7L**		**¶602995835**

DDA Event type sm. Suspected Mining explosion.

(646) Northern Norway

ISC	**VIII**	**26 03 56 04.9–.94**	**66.26N–.04**	**13.17E–.05**	**13–7**		**97**	**0-9**
LVSN	VIII	26 03 56 04.7–1.6	65.35N	11.42E	0–999	2.6L		**¶603806285**
ISCJB	VIII	26 03 56 04.6–.60	66.23N–.02	13.34E–.09	17–7	2.6L		
NAO	VIII	26 03 56 04.2–1.3	66.27N	12.84E		2.6L		
IDC	VIII	26 03 56 05.8–1.5	66.25N	13.23E	0	3.0,3.0		
HEL	VIII	26 03 56 05.6	66.17N	13.32E	10	2.1L,3.0		
BER	VIII	26 03 56 06.9–3.7	66.28N	13.05E	5	2.6L,2.0L		
UPP	VIII	26 03 56 08.2–1.9	66.21N	13.78E	0	2.2L,2.0L		

ISC Event type ke.
LVSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.4km az=21.6.
IDC Error ellipse: s-maj=20.5km s-min=8.0km az=118.0.
BER Error ellipse: s-maj=4.5km s-min=20.1km az=-1.0.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.

(366) Turkey

ISC	**VIII**	**26 09 24 36.6–1.1**	**37.37N–.06**	**28.25E–.04**	**0**		**20**	**0-1**
ISCJB	VIII	26 09 24 38.8–.57	37.28N–.03	28.22E–.04	0			**¶601890168**
DDA	VIII	26 09 24 39.0	37.24N	28.15E	7	2.7		
ISK	VIII	26 09 24 38.1	37.24N	28.21E	16–0	1.9L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=3.4km az=39.0.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**VIII**	**26 15 36 21.9–.90**	**37.29N–.03**	**28.23E–.03**	**0**		**20**	**0-1**
ISCJB	VIII	26 15 36 22.5–.46	37.26N–.03	28.22E–.03	0			**¶601890183**
DDA	VIII	26 15 36 22.4	37.25N	28.24E	7	2.5		
ISK	VIII	26 15 36 22.1	37.23N	28.20E	9–0	2.1L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=3.3km az=44.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

NNC	**VIII**	**26 20 14 51.8–3.5**	**54.39N**	**86.06E**	**0**	**3.8b,3.2**		**¶601696899**

NNC Event type sm. Error ellipse: s-maj=26.1km s-min=19.5km az=157.0. Suspected Mining explosion.

(536) Sweden

UPP	**VIII**	**26 23 18 40.4–.20**	**67.85N**	**20.19E**	**0**	**2.4L**		**¶604158313**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(536) Sweden

UPP	**VIII**	**26 23 18 33.3–.00**	**67.85N**	**20.21E**	**0**	**2.0L**		
HEL	VIII	26 23 18 36.1	67.87N	20.41E	0	1.7L		**¶603806328**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(366) Turkey

ISC	**VIII**	**27 06 38 13.9–.80**	**39.66N–.03**	**29.39E–.03**	**0**		**32**	**1-2**
ISCJB	VIII	27 06 38 13.6–.40	39.66N–.02	29.40E–.04	0			**¶601890206**
DDA	VIII	27 06 38 13.7	39.69N	29.39E	7	2.6L		
ISK	VIII	27 06 38 13.5	39.58N	29.46E	15–0	2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.3km az=19.6.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

NNC	**VIII**	**27 08 59 10.5–2.5**	**54.16N**	**87.48E**	**0**	**3.5b,3.2**		**¶601697089**

NNC Event type sm. Error ellipse: s-maj=18.9km s-min=10.8km az=30.0. Suspected Mining explosion.

(366) Turkey

ISC	**VIII**	**27 12 09 34.0–.99**	**37.05N–.05**	**27.86E–.04**	**0**		**13**	**0-1**
ISCJB	VIII	27 12 09 35.9–.61	37.15N–.04	27.91E–.04	0			**¶601890226**
ISK	VIII	27 12 09 35.5	37.17N	27.89E	8–1	1.9L		
DDA	VIII	27 12 09 37.5	37.35N	27.61E	7	2.7L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=4.6km az=14.2.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**VIII**	**28 03 01 51.9–.91**	**51.49N–.03**	**16.16E–.03**	**0**		**57**	**1-4**
ISCJB	VIII	28 03 01 51.4–.61	51.39N–.03	16.18E–.03	0			**¶601628506**
VIE	VIII	28 03 01 53.1–.66	51.41N	16.15E	0	2.8L,2.3b		
WAR	VIII	28 03 01 58.1	51.01N	15.83E	1	2.4W,2.3b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.5km s-min=2.7km az=20.2.
VIE Event type sr. Error ellipse: s-maj=6.8km s-min=4.9km az=45.0. 69 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**VIII**	**28 09 40 21.2–.94**	**39.62N–.03**	**29.48E–.04**	**0**		**23**	**1-1**
ISCJB	VIII	28 09 40 21.8–.55	39.66N–.03	29.48E–.05	0			**¶601890281**
DDA	VIII	28 09 40 21.8	39.68N	29.48E	7	2.5L		
ISK	VIII	28 09 40 21.8	39.61N	29.52E	13–0	2.2L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=3.8km az=20.7.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(536) Sweden

HEL	**VIII**	**28 11 01 34.3–.70**	**62.42N**	**17.25E**	**0**	**1.5L**		**¶604538001**

HEL Event type kh. Error ellipse: s-maj=3.4km s-min=9.2km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

LVSN	**VIII**	**28 11 30 56.4–.78**	**59.34N**	**27.61E**	**0–14**			**¶604538004**

LVSN Error ellipse: s-maj=4.1km s-min=13.1km az=-1.0.

(366) Turkey

ISC	**VIII**	**28 13 17 26.6–.94**	**37.25N–.04**	**28.15E–.03**	**0**		**23**	**0-1**
ISK	VIII	28 13 17 26.9	37.24N	28.22E	8–1	2.2L		**¶601890284**
ISCJB	VIII	28 13 17 27.6–.53	37.26N–.03	28.22E–.03	0	2.2L		
DDA	VIII	28 13 17 27.6	37.23N	28.18E	7	2.5L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=3.3km az=35.3.
DDA Event type sm. Suspected Mining explosion.

(536) Sweden

ISC	**VIII**	**28 17 01 28.0–.73**	**67.07N–.02**	**20.99E–.02**	**0**		**85**	**0-9**
KOLA	VIII	28 17 01 24.6	67.92N	20.29E	0			**¶601628805**
LVSN	VIII	28 17 01 27.2–.75	67.25N	18.98E	0–205			
ISCJB	VIII	28 17 01 27.2–.29	67.03N–.02	21.02E–.06	0			
IDC	VIII	28 17 01 28.2–.94	67.11N	20.77E	0	3.0,3.0		
HEL	VIII	28 17 01 28.8–.00	67.08N	20.96E	0	2.9L,2.5L		
NAO	VIII	28 17 01 28.9–.90	67.07N	21.09E		3.1L,2.5L		
UPP	VIII	28 17 01 28.2–.10	67.07N	20.97E	0	2.9L,2.5L		
BER	VIII	28 17 01 30.4–.90	66.91N	21.21E	0	2.1L,2.5L		

ISC Event type km.
KOLA Event type km.
LVSN Error ellipse: s-maj=156.8km s-min=300.1km az=-1.0.
ISCJB Event type km. Error ellipse: s-maj=3.3km s-min=2.6km az=174.2.
IDC Error ellipse: s-maj=17.7km s-min=8.7km az=112.0.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
BER Event type sh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Suspected explosion.

(548) Poland

ISC	**VIII**	**29 04 07 57.2–.81**	**50.20N–.04**	**18.77E–.02**	**0**		**37**	**0-4**
ISCJB	VIII	29 04 07 56.2–.50	50.26N–.04	18.73E–.03	0			**¶601650891**
PRU	VIII	29 04 07 57.8–.00	50.27N	18.75E	0			
WAR	VIII	29 04 07 57.9	50.32N	18.75E	1	2.5W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.5km az=7.5.
PRU Event type ki.

(713) Central Kazakhstan

NNC	**VIII**	**29 11 24 54.5–1.4**	**50.87N**	**73.79E**	**0**	**3.6b,3.3**		**¶601707266**

NNC Event type sm. Error ellipse: s-maj=16.8km s-min=13.4km az=118.0. Suspected Mining explosion.

(366) Turkey

ISC	**VIII**	**29 13 07 00.6–1.0**	**37.01N–.03**	**28.38E–.03**	**0**		**21**	**0-2**
DDA	VIII	29 13 06 59.7	37.02N	28.43E	7	2.6L		**¶601890327**
ISK	VIII	29 13 06 59.7	37.01N	28.43E	8–0	2.1L		
ISCJB	VIII	29 13 07 00.2–.50	37.01N–.04	28.38E–.05	0	2.1L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(326) Southwestern Siberia

IDC	**VIII**	**30 07 49 27.7–2.7**	**55.44N**	**86.33E**	**0**	**3.0,3.0**		
NNC	VIII	30 07 49 19.2–2.5	55.11N	87.30E	0	3.5b,3.0		**¶601712291**

IDC Error ellipse: s-maj=25.7km s-min=18.3km az=65.0.
NNC Event type sm. Error ellipse: s-maj=23.5km s-min=17.0km az=137.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VIII**	**30 09 22 45.5–2.0**	**67.57N–.04**	**33.87E–.10**	**0**		**45**	**0-12**
HEL	VIII	30 09 22 45.7–.40	67.70N	34.21E	0	2.4L		**¶601667532**
KOLA	VIII	30 09 22 45.9	67.72N	34.18E	0	2.4L		
IDC	VIII	30 09 22 49.5–2.8	67.70N	33.49E	0	3.4,3.4		
NAO	VIII	30 09 22 50.5–2.5	67.62N	33.24E		2.8L,3.4		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=7.4km az=-1.0. Explosion.
KOLA Event type km.
IDC Error ellipse: s-maj=30.5km s-min=10.1km az=73.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(548) Poland

ISC	**VIII**	**31 08 33 28.5–.68**	**50.08N–.02**	**19.07E–.02**	**0**		**86**	**0-20**
ISCJB	VIII	31 08 33 27.3–.43	50.12N–.03	19.01E–.03	0			**¶601668289**
VIE	VIII	31 08 33 28.6–.89	49.81N	19.19E	0	2.6b,2.5L		
BGR	VIII	31 08 33 29.9–.30	50.12N	19.07E	1	3.0L,2.5L		
PRU	VIII	31 08 33 29.1–.00	50.15N	19.05E	0	3.0L,2.5L		
WAR	VIII	31 08 33 29.5	50.09N	19.15E	1	2.8W,2.5L		
IDC	VIII	31 08 33 31.2–2.3	50.19N	18.81E	0	3.5,3.4		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=2.4km az=18.8.
VIE Event type sr. Error ellipse: s-maj=10.3km s-min=4.7km az=16.0. 52 km SSE of Katowice . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=3.0.
PRU Event type ki.
IDC Error ellipse: s-maj=47.0km s-min=11.3km az=136.0.

(326) Southwestern Siberia

IDC	**VIII**	**31 09 00 51.6–3.3**	**53.53N**	**90.63E**	**0**	**3.5,3.5**		
ASRS	VIII	31 09 00 43.5	53.78N	91.10E		3.2,3.5		**¶601713911**
NNC	VIII	31 09 00 57.5–3.6	53.62N	90.20E	0	3.9b,3.6		

IDC Error ellipse: s-maj=32.3km s-min=23.4km az=34.0.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=29.3km s-min=26.3km az=69.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VIII**	**31 09 25 07.0–.95**	**67.52N–.03**	**33.29E–.04**	**0**		**55**	**0-12**
HEL	VIII	31 09 25 05.4–.40	67.66N	33.84E	0	2.5L		**¶606362991**
KOLA	VIII	31 09 25 05.0	67.64N	33.91E	0	2.5L		
ISCJB	VIII	31 09 25 06.7–.52	67.57N–.03	33.06E–.07	0	2.5L		
NAO	VIII	31 09 25 06.8–1.8	67.64N	33.39E		2.9L		
IDC	VIII	31 09 25 06.3–1.8	67.67N	33.67E	0	3.6,3.6		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=7.5km az=-1.0. Explosion.
KOLA Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.2km s-min=3.9km az=155.9.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=19.8km s-min=10.8km az=81.0.

(326) Southwestern Siberia

NNC	**VIII**	**31 10 45 08.6–2.1**	**54.31N**	**86.92E**	**0**	**3.5b,3.3**		
ASRS	VIII	31 10 45 11.0	54.37N	86.83E		2.4,3.3		**¶601713918**

NNC Event type sm. Error ellipse: s-maj=18.9km s-min=9.9km az=6.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(724) Baltic States-Belarus-Northwestern Russia

FIA0	**VIII**	**31 12 58 13.0**	**60.92N**	**29.02E**	**0**	**1.4L**		**¶604538130**

FIA0 Event type kh. Explosion.

(366) Turkey

ISC	**VIII**	**31 13 25 46.0–.83**	**39.90N–.04**	**33.52E–.03**	**0**		**24**	**1-2**
ISCJB	VIII	31 13 25 46.7–.41	39.96N–.03	33.56E–.03	0			**¶601890409**
DDA	VIII	31 13 25 46.9	39.97N	33.55E	7	3.1L		
ISK	VIII	31 13 25 46.8	39.96N	33.53E	6–0	2.1L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.9km s-min=3.5km az=137.9.
DDA Event type ke.
ISK Event type sm. Suspected Mining explosion.

(548) Poland

PRU	**VIII**	**31 13 44 23.7–.00**	**50.28N**	**18.66E**	**0**			**¶601668293**

PRU Event type ki.
(366) Turkey
ISC VIII 31 15 04 42.1–.85 39.89N–.03 33.14E–.03 0 20 0-1
ISCJB VIII 31 15 04 42.3–.49 39.90N–.03 33.14E–.04 0 ¶601890414
DDA VIII 31 15 04 42.4 39.87N 33.16E 7 2.7L
ISK VIII 31 15 04 42.7 39.89N 33.08E 5–0 1.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=4.2km az=140.3.
DDA Event type ke.
ISK Event type sm. Suspected Mining explosion.
(548) Poland
ISC VIII 31 15 31 08.8–.56 51.53N–.03 16.15E–.02 0 3.6b 158 1-75
ISCJB VIII 31 15 31 08.5–.32 51.44N–.02 16.12E–.02 0 3.5b ¶601667567
IPEC VIII 31 15 31 09.6–.27 51.52N 16.31E 0 2.8L
IDC VIII 31 15 31 10.6–.61 51.48N 15.93E 0 3.6,3.5
PRU VIII 31 15 31 10.9–.00 51.46N 16.11E 0 3.6,3.5
BGR VIII 31 15 31 11.0–.25 51.47N 16.13E 1 3.5L,3.5
VIE VIII 31 15 31 12.8–.87 51.24N 16.12E 0 3.1L,2.7b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.9km s-min=1.8km az=20.0.
IPEC Event type ki. Error ellipse: s-maj=2.9km s-min=1.6km az=66.0.
IDC Error ellipse: s-maj=12.9km s-min=7.1km az=100.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=25.0.
VIE Event type sr. Error ellipse: s-maj=8.2km s-min=6.4km az=43.0. 64 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC VIII 31 15 54 05.4–1.2 51.47N–.06 16.09E–.03 0 51 1-4
ISCJB VIII 31 15 54 04.7–.73 51.38N–.04 16.12E–.03 0 ¶601668295
IPEC VIII 31 15 54 04.6–.27 51.51N 16.26E 0 2.3L
PRU VIII 31 15 54 06.3–.00 51.44N 16.09E 0 2.3L
VIE VIII 31 15 54 08.1–1.0 51.25N 16.14E 0 2.7L,2.3b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.1km s-min=2.7km az=12.2.
IPEC Event type ki. Error ellipse: s-maj=3.0km s-min=1.5km az=66.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=10.0km s-min=6.6km az=59.0. 63 km WNW of Wroclaw . Suspected Mining induced.
(460) Wyoming
ISC VIII 31 18 06 14.8–.88 43.79N–.05 105.33W–.05 0 17 1-20
ISCJB VIII 31 18 06 13.8–.56 43.79N–.06 105.33W–.07 0 ¶601755769
NEIC VIII 31 18 06 15.9–.68 43.74N 105.25W 0 3.2L
IDC VIII 31 18 06 15.2–1.1 43.70N 105.44W 0 3.5,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.3km s-min=7.1km az=151.3.
NEIC Event type fm. Error ellipse: s-maj=10.2km s-min=9.1km az=141.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.5km s-min=9.4km az=153.0.
(548) Poland
PRU VIII 31 20 38 08.1–.00 50.37N 18.89E 0 ¶601668308
PRU Event type ki.
(548) Poland
ISC IX 01 08 54 12.8–.81 50.07N–.03 18.42E–.02 0 48 0-4
ISCJB IX 01 08 54 11.7–.50 50.10N–.03 18.36E–.03 0 ¶601685289
VIE IX 01 08 54 13.9–1.6 49.76N 18.51E 0 2.5L,2.0b
IPEC IX 01 08 54 13.0–.16 50.08N 18.46E 0–2 1.9L,2.0b
WAR IX 01 08 54 13.0 50.06N 18.44E 1 2.6W,2.0b
PRU IX 01 08 54 14.0–.00 50.05N 18.37E 0 2.6W,2.0b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.5km s-min=2.6km az=15.3.
VIE Event type sr. Error ellipse: s-maj=11.8km s-min=5.9km az=38.0. 20 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=163.0.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 02 03 13 14.8–2.0 67.62N–.05 33.86E–.10 0 45 0-7
KOLA IX 02 03 13 16.9 67.69N 33.75E 1.8 ¶606542200
HEL IX 02 03 13 17.2–.30 67.66N 33.65E 0 2.2L
NAO IX 02 03 13 19.0–2.4 67.59N 33.02E 2.7L
ISC Event type kh.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0. Explosion.
(369) Dodecanese Islands
ISC IX 02 21 41 59.3–.93 36.90N–.03 28.65E–.02 9–7 30 0-2
ISK IX 02 21 41 58.9 36.90N 28.64E 6–0 2.8L ¶602077415
DDA IX 02 21 41 59.1 36.89N 28.65E 10 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 03 11 16 55.3–1.0 37.20N–.05 27.90E–.04 0 11 0-1
ISK IX 03 11 16 56.6 37.20N 27.87E 22–1 1.5L ¶602077427
ISCJB IX 03 11 16 57.6–.67 37.15N–.04 27.97E–.04 0 1.5L
DDA IX 03 11 17 00.5 37.35N 27.61E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=4.9km az=168.3.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 03 12 58 20.3–1.1 37.38N–.07 28.27E–.04 0 16 0-1
ISK IX 03 12 58 20.8 37.27N 28.20E 16–0 2.0L ¶602077431
ISCJB IX 03 12 58 22.0–.56 37.24N–.04 28.19E–.05 0 2.0L
DDA IX 03 12 58 22.3 37.22N 28.20E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=7.6km s-min=3.5km az=42.2.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 03 13 46 23.1–1.3 37.24N–.03 28.20E–.03 0 18 0-1
ISCJB IX 03 13 46 22.5–.52 37.24N–.04 28.21E–.04 0 ¶602077432
DDA IX 03 13 46 22.2 37.22N 28.22E 7 2.5L
ISK IX 03 13 46 22.0 37.26N 28.20E 12–1 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.8km s-min=3.8km az=37.4.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(736) Vietnam
ISC IX 03 13 47 55.0–1.2 15.3N–.20 108.1E–.10 0 3.4b 15 5-73
ISCJB IX 03 13 47 52.9–.86 15.3N–.10 108.1E–.10 0 3.9s,3.4b ¶601862868
IDC IX 03 13 47 54.5–1.1 15.23N 107.94E 0 4.3L,3.8
ISC Event type si.
ISCJB Event type si. Error ellipse: s-maj=23.1km s-min=10.6km az=28.0.
IDC Error ellipse: s-maj=47.6km s-min=17.5km az=47.0.
(366) Turkey
ISC IX 03 13 52 28.4–1.0 37.28N–.03 28.24E–.03 0 17 0-1
ISK IX 03 13 52 27.9 37.28N 28.25E 11–1 2.2L ¶602077433
ISCJB IX 03 13 52 28.8–.55 37.26N–.03 28.24E–.05 0 2.2L
DDA IX 03 13 52 29.1 37.24N 28.20E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.5km s-min=3.8km az=142.4.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 04 09 11 20.0–1.2 41.22N–.04 36.21E–.07 0 13 0-2
ISK IX 04 09 11 18.8 41.25N 36.26E 8–0 2.0L ¶602077465
ISCJB IX 04 09 11 19.8–.95 41.25N–.04 36.21E–.08 0 2.0L
DDA IX 04 09 11 20.3 41.21N 36.19E 7 2.7L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=8.5km s-min=5.1km az=3.4.
DDA Event type sm. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC IX 04 10 51 00.8–3.0 49.9N–.20 83.7E–.20 0 8 2-3
SOME IX 04 10 50 57.8 49.67N 83.78E 0 ¶601721764
NNC IX 04 10 51 10.1–3.3 49.27N 83.05E 0 3.3b,2.9
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=42.9km s-min=13.6km az=67.0. Suspected Mining explosion.
(546) Austria
VIE IX 04 14 04 48.5–.26 48.34N 15.66E 0 1.0L ¶604491937
VIE Event type km. Error ellipse: s-maj=3.9km s-min=1.5km az=78.0. 5 km SW of Wagram a.d. Traisen . Mining explosion.
(548) Poland
PRU IX 04 21 32 03.6–.00 50.25N 18.77E 0 ¶601685381
PRU Event type ki.
(326) Southwestern Siberia
NNC IX 05 07 35 28.1–2.4 53.51N 90.03E 0 4.0b,3.7
ASRS IX 05 07 35 11.1 53.79N 91.12E 3.2,3.7 ¶601724827
NNC Event type sm. Error ellipse: s-maj=19.8km s-min=13.6km az=79.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(713) Central Kazakhstan
ISC IX 05 09 05 45.0–1.7 43.44N–.07 70.33E–.06 0 29 0-4
SOME IX 05 09 05 45.2 43.38N 70.15E 5 ¶601724834
NNC IX 05 09 05 46.1–.23 43.33N 70.22E 0 3.3b,2.6
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=2.7km s-min=1.1km az=48.0. Suspected Mining explosion.
(460) Wyoming
ISC IX 05 20 00 10.7–.71 43.84N–.04 105.21W–.06 0 4.1b 42 1-90
IDC IX 05 20 00 09.4–1.3 43.50N 105.18W 0 4.1b,4.0 ¶601863005
ISCJB IX 05 20 00 10.0–.39 43.85N–.03 105.21W–.05 0 4.1b,4.0
NEIC IX 05 20 00 11.3–.40 43.85N 105.17W 0 3.5L,4.0
ISC Event type sm.
IDC Error ellipse: s-maj=26.1km s-min=9.1km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=5.4km s-min=4.4km az=27.0.
NEIC Event type sm. Error ellipse: s-maj=6.3km s-min=5.8km az=145.0. 56 km [35 miles] SSE of Gillette. Suspected Mining explosion.
(335) Ural Mountains region
ISC IX 05 20 10 55.0–.82 54.38N–.03 59.67E–.06 0 26 2-7
ISCJB IX 05 20 10 54.6–.57 54.25N–.03 59.91E–.08 0 ¶601724860
NNC IX 05 20 11 00.3–1.7 54.03N 60.16E 0 3.5b,3.1
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.8km s-min=4.7km az=171.8.
NNC Event type sm. Error ellipse: s-maj=16.8km s-min=4.8km az=145.0. Suspected Mining explosion.
(736) Vietnam
ISC IX 06 00 17 29.4–1.6 14.8N–.20 107.9E–.20 0 3.5b 11 5-46
IDC IX 06 00 17 26.9–1.4 15.40N 108.11E 0 4.5L,3.8 ¶601863016
ISCJB IX 06 00 17 27.2–1.2 14.9N–.20 107.8E–.20 0 3.5b,3.8
ISC Event type si.
ISCJB Event type si.
(548) Poland
PRU IX 06 02 09 22.3–.00 50.30N 18.64E 0 ¶601699517
PRU Event type ki.
(326) Southwestern Siberia
NNC IX 06 09 51 39.5–4.2 53.58N 87.86E 0 3.6b,3.2
KRAR IX 06 09 51 39.0–.26 53.65N 88.00E 2.3,3.2 ¶601731802
NNC Event type sm. Error ellipse: s-maj=35.3km s-min=13.7km az=60.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(548) Poland
PRU IX 06 23 50 38.7–.00 50.26N 19.01E 0 ¶601699534
PRU Event type ki.
(547) Czech and Slovak Republics
PRU IX 07 01 09 55.3–.00 49.82N 18.36E 0 ¶601699538
PRU Event type ki.
(366) Turkey
ISC IX 07 10 16 08.1–.86 39.84N–.03 33.16E–.03 0 22 0-2
ISCJB IX 07 10 16 08.9–.43 39.88N–.03 33.13E–.03 0 ¶602077604
DDA IX 07 10 16 08.9 39.87N 33.13E 7 2.7L
ISK IX 07 10 16 08.1 39.89N 33.08E 5–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.9km s-min=3.7km az=31.7.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 07 10 42 46.1–.86 38.74N–.03 35.65E–.04 0 18 0-2
ISCJB IX 07 10 42 46.7–.50 38.68N–.03 35.74E–.04 0 ¶602077609
ISK IX 07 10 42 46.5 38.70N 35.79E 7–0 2.3L
DDA IX 07 10 42 47.0 38.64N 35.75E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.7km s-min=3.8km az=22.4.
ISK Event type sm. Suspected Mining explosion.
DDA Event type ke.
(548) Poland
ISC IX 07 18 01 27.9–.76 50.06N–.03 18.41E–.02 0 61 0-4
ISCJB IX 07 18 01 26.2–.38 50.09N–.02 18.34E–.03 0 ¶601699550
IPEC IX 07 18 01 27.6–.16 50.06N 18.46E 0–2 2.1L
WAR IX 07 18 01 27.7 50.06N 18.44E 1 2.7W
PRU IX 07 18 01 28.0–.00 50.09N 18.39E 0 2.7W
VIE IX 07 18 01 29.5–1.4 49.79N 18.43E 0 2.7L,1.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.3km az=10.7.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=163.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=10.6km s-min=8.3km az=36.0. 14 km ESE of Ostrava . Suspected Mining induced.
(536) Sweden
ISC IX 07 18 38 14.3–.70 67.82N–.02 20.28E–.02 0 64 0-8
UPP IX 07 18 38 14.7–.00 67.84N 20.21E 0 1.8L ¶601715677
ISCJB IX 07 18 38 14.2–.33 67.83N–.02 20.23E–.05 0 1.8L
NAO IX 07 18 38 14.5–1.1 67.86N 20.24E 2.5L
IDC IX 07 18 38 15.8–1.3 67.71N 20.60E 0 3.0,2.9
HEL IX 07 18 38 15.4–.10 67.86N 20.20E 1 2.3L,1.8L
BER IX 07 18 38 17.5–3.4 67.85N 20.16E 0 2.5L,1.6L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
ISCJB Event type sh. Error ellipse: s-maj=3.0km s-min=2.6km az=25.9.
IDC Error ellipse: s-maj=18.3km s-min=9.1km az=117.0.
HEL Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
BER Event type sh. Error ellipse: s-maj=5.2km s-min=19.4km az=-1.0. Suspected explosion.
(542) Denmark
ISC IX 08 09 41 41.2–1.1 56.15N–.04 11.82E–.04 33–6 67 0-15
IDC IX 08 09 41 40.4–1.3 56.08N 11.71E 0 3.2,3.1 ¶601696487
UPP IX 08 09 41 41.1–.40 56.22N 11.88E 0 2.7L,3.1
NAO IX 08 09 41 44.2–1.7 56.39N 11.85E 2.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=12.5km az=101.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
(366) Turkey
ISC IX 08 11 03 06.6–.78 37.05N–.03 28.43E–.02 0 39 0-2

ISCJB IX 08 11 03 06.8–.36 37.03N–.02 28.44E–.03 0 ¶602077639
DDA IX 08 11 03 06.3 37.01N 28.44E 7 2.7L
ISK IX 08 11 03 06.3 37.03N 28.45E 10–0 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.7km s-min=3.0km az=18.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(460) Wyoming

ISC IX 08 23 01 04.2–.74 43.56N–.03 105.14W–.03 0 42 1-11
ISCJB IX 08 23 01 03.6–.40 43.50N–.03 105.18W–.04 0 ¶601863194
NEIC IX 08 23 01 03.9–.65 43.51N 105.00W 0 3.3L
IDC IX 08 23 01 04.7–1.9 43.53N 105.31W 0 3.5,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=3.8km s-min=3.8km az=9.2.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=8.1km az=143.0. 75 km [47 miles] WSW of Newcastle. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.4km s-min=9.9km az=152.0.

(358) Romania

BEO IX 09 10 06 56.3–.40 44.17N 22.18E 0 1.6L
BUC IX 09 10 06 55.2–.91 44.66N 23.51E 14–7 2.4 ¶602050900
BEO Event type km. Mining explosion.
BUC Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=104.0.

(460) Wyoming

ISC IX 09 19 22 09.0–1.3 43.83N–.08 105.23W–.07 0 9 1-15
ISCJB IX 09 19 22 07.2–.75 43.81N–.08 105.29W–.09 0 ¶601863253
NEIC IX 09 19 22 08.8–.80 43.81N 105.31W 0 2.8L
IDC IX 09 19 22 08.8–1.2 43.86N 105.61W 0 3.3,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.3km s-min=8.8km az=165.9.
NEIC Event type sm. Error ellipse: s-maj=13.6km s-min=9.6km az=162.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.5km s-min=9.7km az=150.0.

(723) Finland-Karelia border region

ISC IX 09 21 22 47.2–1.1 60.90N–.04 28.78E–.06 0 29 1-9
ISCJB IX 09 21 22 44.7–.86 60.98N–.04 29.0E–.10 0 ¶601715684
MOS IX 09 21 22 46.4 60.88N 28.82E 1.6
HEL IX 09 21 22 47.8–.30 60.87N 28.94E 0 2.5L
NAO IX 09 21 22 48.8–2.4 60.74N 28.78E 2.2L
IDC IX 09 21 22 49.3–2.1 60.75N 28.79E 0 3.3,3.1
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=8.0km s-min=4.2km az=32.4.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=5.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=16.7km s-min=12.4km az=163.0.

(460) Wyoming

ISC IX 09 23 07 00.2–.70 43.80N–.03 105.22W–.03 0 38 1-20
ISCJB IX 09 23 06 58.8–.42 43.78N–.03 105.17W–.04 0 ¶601863269
NEIC IX 09 23 06 59.9–.56 43.77N 105.28W 0 3.1L
IDC IX 09 23 07 01.2–2.6 43.92N 105.93W 0 3.6L,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.6km s-min=3.6km az=166.0.
NEIC Event type sm. Error ellipse: s-maj=8.9km s-min=7.5km az=159.0. 60 km [37 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=47.7km s-min=18.3km az=143.0.

(544) Switzerland

ISC IX 10 03 06 33.5–.85 47.70N–.04 8.75E–.02 17–5 38 0-3
ZUR IX 10 03 06 33.6 47.67N 8.75E 13–1 1.1L ¶606725672
LDG IX 10 03 06 34.0–.05 47.68N 8.74E 10 1.6L
STR IX 10 03 06 34.6–1.7 48N–14 9E–4.0 20–16 1.1
VIE IX 10 03 06 34.3–.80 47.68N 8.81E 0 1.4L
ISC Event type ke.
ZUR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=12.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
VIE Event type sm. Error ellipse: s-maj=5.3km s-min=3.9km az=127.0. 8 km S of Hohentwiel . Suspected Mining explosion.

(326) Southwestern Siberia

IDC IX 10 09 42 00.5–2.1 53.63N 87.86E 0 3.6,3.6
KRAR IX 10 09 42 00.0–.27 53.58N 87.80E 2.8,3.6 ¶601738031
NNC IX 10 09 42 02.0–2.1 53.53N 87.76E 0 3.9b,3.6
IDC Error ellipse: s-maj=18.9km s-min=12.7km az=46.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=17.7km s-min=10.6km az=64.0. Suspected Mining explosion.

(366) Turkey

ISC IX 11 06 58 24.1–.84 37.24N–.03 28.10E–.04 0 26 0-1
ISCJB IX 11 06 58 25.0–.43 37.25N–.03 28.19E–.03 0 ¶602077721
DDA IX 11 06 58 24.9 37.24N 28.16E 7 2.5L
ISK IX 11 06 58 24.2 37.24N 28.19E 5–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.3km s-min=3.0km az=30.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(548) Poland

ISC IX 11 13 21 11.7–.79 50.06N–.03 19.18E–.02 0 51 0-4
ISCJB IX 11 13 21 12.1–.45 50.08N–.03 19.01E–.03 0 ¶601712666
IPEC IX 11 13 21 13.0–.20 50.15N 19.08E 0–1 2.0L
PRU IX 11 13 21 13.1–.00 50.12N 19.08E 0 2.0L
WAR IX 11 13 21 13.5 50.09N 19.15E 1 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.9km s-min=2.7km az=16.8.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=166.0.
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia

HEL IX 11 18 51 52.6–.50 68.33N 33.05E 0 1.5L
¶603868660
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=8.4km az=-1.0. Explosion.

(548) Poland

PRU IX 11 22 31 19.9–.00 50.24N 19.01E 0
¶601712675
PRU Event type ki.

(330) Lake Issyk-Kul region

ISC IX 12 11 38 46.0–1.2 42.68N–.03 75.70E–.02 3–13 32 0-4
KNET IX 12 11 38 45.4–.28 42.69N 75.70E 12–3 1.3L ¶601740139
NNC IX 12 11 38 45.5–1.5 42.69N 75.77E 0 2.9b,2.4
SOME IX 12 11 38 46.9 42.75N 75.67E 5 2.9b,2.4
ISC Event type se.
KNET Error ellipse: s-maj=2.3km s-min=2.0km az=116.0.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=7.2km az=68.0.

(536) Sweden

ISC IX 12 17 27 17.4–.74 67.07N–.03 20.94E–.02 0 80 0-8
ISCJB IX 12 17 27 16.6–.30 67.05N–.02 20.97E–.06 0 ¶601710360
NAO IX 12 17 27 16.5–.90 67.22N 20.03E 3.5L
IDC IX 12 17 27 18.0–.89 67.10N 20.93E 0 3.3,3.3
HEL IX 12 17 27 17.9–.00 67.09N 20.97E 0 2.9L,2.8L
UPP IX 12 17 27 17.4–.10 67.08N 20.96E 0 2.9L,2.8L
BER IX 12 17 27 20.1–3.4 67.06N 20.66E 0 2.0L,2.8L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.4km s-min=2.6km az=161.8.
IDC Error ellipse: s-maj=16.5km s-min=7.8km az=119.0.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
BER Event type sh. Error ellipse: s-maj=7.2km s-min=32.2km az=-1.0. Suspected explosion.

(364) Greece

ATH IX 14 08 24 21.9 40.45N 21.85E 0–7 0.0L
¶603909239
ATH Event type sm. Error ellipse: s-maj=7.7km s-min=1.8km az=204.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC IX 14 09 22 29.9–2.0 67.58N–.05 34.13E–.10 0 53 0-12
HEL IX 14 09 22 30.9–.70 67.63N 34.23E 0 2.5L ¶606542227
KOLA IX 14 09 22 30.3 67.73N 34.10E 0 2.5L
UPP IX 14 09 22 30.6–3.1 67.58N 34.34E 0 1.5L
NAO IX 14 09 22 37.5–2.5 67.56N 32.86E 2.7L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=3.3km s-min=12.4km az=-1.0. Explosion.
KOLA Event type km.
UPP Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(326) Southwestern Siberia

NNC IX 14 09 51 14.0–3.3 53.45N 87.75E 0 3.5b,3.2
KRAR IX 14 09 51 06.0–.07 53.41N 87.22E 2.2,3.2 ¶601751684
NNC Event type sm. Error ellipse: s-maj=27.3km s-min=18.9km az=61.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(366) Turkey

ISC IX 14 13 48 31.6–.95 39.89N–.03 29.93E–.03 0 26 0-2
ISCJB IX 14 13 48 31.4–.54 39.88N–.04 29.92E–.04 0 ¶602077878
ISK IX 14 13 48 31.3 39.88N 29.97E 8–0 2.3L
DDA IX 14 13 48 32.0 39.89N 29.94E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=4.6km az=140.5.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC IX 14 22 10 43.2–.91 51.59N–.04 16.16E–.02 0 63 1-4
ISCJB IX 14 22 10 43.0–.56 51.49N–.03 16.15E–.03 0 ¶601719650
IPEC IX 14 22 10 43.7–.27 51.56N 16.23E 0 2.4L
VIE IX 14 22 10 46.7–1.1 51.36N 16.18E 0 2.8L,2.3b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.5km az=9.0.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=1.7km az=70.0.
VIE Event type sr. Error ellipse: s-maj=10.0km s-min=8.7km az=59.0. 65 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC IX 15 03 15 55.3–.81 50.14N–.03 19.01E–.02 0 37 0-4
ISCJB IX 15 03 15 55.1–.46 50.18N–.03 18.96E–.03 0 ¶601719654
PRU IX 15 03 15 55.7–.00 50.22N 19.00E 0
WAR IX 15 03 15 55.5 50.27N 18.99E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.0km s-min=2.9km az=8.9.
PRU Event type ki.

(366) Turkey

ISK IX 15 09 37 19.9 39.66N 29.47E 5–0 2.4L
¶602077930
ISK Event type sm. Suspected Mining explosion.

(548) Poland

ISC IX 15 10 48 04.3–.78 50.22N–.03 18.80E–.02 0 49 0-4
ISCJB IX 15 10 48 03.1–.49 50.28N–.03 18.76E–.03 0 ¶601719659
WAR IX 15 10 48 04.7 50.25N 18.85E 1 2.5W
IPEC IX 15 10 48 04.1–.20 50.27N 18.83E 2–1 2.1L
PRU IX 15 10 48 04.7–.00 50.24N 18.76E 0 2.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.0km s-min=2.6km az=7.9.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=168.0.
PRU Event type ki.

(548) Poland

ISC IX 15 21 59 30.5–.80 50.22N–.03 18.62E–.02 0 57 0-4
IPEC IX 15 21 59 28.6–.34 50.25N 18.82E 0 2.2L ¶601719666
ISCJB IX 15 21 59 29.1–.51 50.30N–.03 18.60E–.03 0 2.2L
VIE IX 15 21 59 29.8–.92 50.17N 18.73E 0 2.6L,2.2b
PRU IX 15 21 59 30.6–.00 50.30N 18.63E 0 2.6L,2.2b
WAR IX 15 21 59 33.2 50.27N 18.46E 1 2.6W,2.2b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=2.2km az=160.0.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=2.7km az=24.0.
VIE Event type sr. Error ellipse: s-maj=15.6km s-min=7.5km az=149.0. 20 km WSW of Katowice . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC IX 16 04 06 59.0–.79 50.03N–.03 18.40E–.02 0 53 0-3
ISCJB IX 16 04 06 57.9–.45 50.05N–.03 18.36E–.03 0 ¶601719672
VIE IX 16 04 06 57.9–.87 49.68N 18.63E 0 2.5L,1.9b
IPEC IX 16 04 06 59.1–.27 50.07N 18.45E 0–2 2.0L,1.9b
PRU IX 16 04 07 00.0–.00 50.03N 18.37E 0 2.0L,1.9b
WAR IX 16 04 07 08.5 50.06N 18.44E 1 2.6W,1.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.6km az=16.0.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=4.6km az=120.0. 32 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.8km az=1.0.
PRU Event type ki.

(383) Northwestern Balkan Peninsula

ISC IX 16 09 10 07.8–.77 44.66N–.03 21.69E–.04 0 35 1-3
ISCJB IX 16 09 10 07.5–.40 44.63N–.02 21.73E–.04 0 ¶602050978
BUC IX 16 09 10 07.6–.50 44.64N 21.74E 4–5 2.7
BEO IX 16 09 10 08.4–.30 44.64N 21.81E 0 2.7
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.5km s-min=2.7km az=37.0.
BUC Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=13.0.
BEO Event type km. Mining explosion.

(330) Lake Issyk-Kul region

ISC IX 16 12 53 40.2–.97 42.64N–.04 75.74E–.04 0 21 0-4
ISCJB IX 16 12 53 40.9–.58 42.68N–.04 75.70E–.04 0 ¶601768511
SOME IX 16 12 53 40.7 42.70N 75.68E
NNC IX 16 12 53 40.7–.70 42.67N 75.68E 0 2.8b,2.6
KNET IX 16 12 53 41.1–.35 42.69N 75.64E 8–5 1.4L,2.6
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.6km s-min=4.2km az=152.5.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=4.4km s-min=3.3km az=149.0. Suspected Mining explosion.
KNET Error ellipse: s-maj=2.3km s-min=1.8km az=105.0.

(366) Turkey

ISC IX 16 15 32 03.7–2.0 38.26N–.07 32.5E–.10 0 12 0-1
ISK IX 16 15 32 04.9 38.19N 32.41E 5–0 2.3L ¶602078013
DDA IX 16 15 32 05.8 38.14N 32.31E 7 2.7L
ISC Event type sm.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL IX 16 23 21 14.4–.40 67.71N 33.95E 0 1.1L
¶603868844
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=6.3km az=-1.0. Explosion.

(713) Central Kazakhstan

NNC IX 17 07 14 11.8–.95 48.35N 70.37E 0 3.5b,3.1
¶601768957
NNC Event type sm. Error ellipse: s-maj=13.3km s-min=6.1km az=84.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC IX 17 07 14 21.8–1.1 54.08N 86.04E 0 3.5b,2.9
¶601768958
NNC Event type sm. Error ellipse: s-maj=20.1km s-min=5.6km az=176.0. Suspected Mining explosion.

(329) Eastern Kazakhstan

NNC IX 17 07 25 50.0–.77 50.03N 78.88E 0 3.1b,2.7
¶601768959

NNC Event type sm. Error ellipse: s-maj=20.4km s-min=3.6km az=68.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC IX 17 09 46 46.2–1.8 53.54N 87.86E 0 3.6b,3.3 ¶601768966

NNC Event type sm. Error ellipse: s-maj=15.0km s-min=8.9km az=68.0. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC IX 17 12 56 44.7–1.1 42.68N–.04 75.70E–.04 0 13 0-4
SOME IX 17 12 56 43.6 42.65N 75.62E **¶601768983**
ISCJB IX 17 12 56 44.3–.69 42.66N–.05 75.65E–.05 0
NNC IX 17 12 56 44.6–1.2 42.68N 75.61E 0 2.5b,2.2
ISC Event type sm.
SOME Event type kx.
ISCJB Event type sm. Error ellipse: s-maj=6.9km s-min=5.4km az=158.2.
NNC Event type sm. Error ellipse: s-maj=7.7km s-min=4.9km az=138.0. Suspected Mining explosion.

(456) Montana

ISC IX 17 23 26 06.1–.89 45.94N–.04 106.84W–.05 0 17 1-9
ISCJB IX 17 23 26 07.2–.57 45.89N–.04 106.90W–.06 0 **¶601863732**
NEIC IX 17 23 26 07.6–.78 45.89N 106.91W 0 2.7
IDC IX 17 23 26 07.1–1.3 45.34N 106.42W 0 3.3,3.1
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.6km s-min=4.9km az=35.8.
NEIC Event type sm. Error ellipse: s-maj=13.9km s-min=9.2km az=129.0. 18 km [11 miles] WNW of Colstrip. Suspected Mining explosion.
IDC Error ellipse: s-maj=69.1km s-min=8.9km az=136.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC IX 18 03 32 05.9–1.6 67.77N–.04 33.48E–.08 0 41 0-7
HEL IX 18 03 32 03.9–.40 67.58N 33.99E 0 2.1L **¶606542232**
KOLA IX 18 03 32 05.3 67.67N 33.82E 1.7
ISCJB IX 18 03 32 06.3–.58 67.62N–.03 33.09E–.09 0 1.7
NAO IX 18 03 32 08.6–3.2 67.52N 32.91E 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=6.6km az=-1.0. Explosion.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
ISCJB Event type kh. Error ellipse: s-maj=5.5km s-min=4.1km az=42.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.

(366) Turkey

ISC IX 18 08 52 29.2–.91 40.65N–.03 39.91E–.03 0 23 0-2
ISCJB IX 18 08 52 30.5–.44 40.63N–.03 39.94E–.03 0 **¶602078094**
DDA IX 18 08 52 30.5 40.62N 39.94E 7 2.5L
ISK IX 18 08 52 30.1 40.65N 39.92E 19–0 1.9L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.3km az=162.9.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(713) Central Kazakhstan

NNC IX 18 10 02 13.7–1.6 43.70N 69.78E 0 3.6b,3.0
SOME IX 18 10 02 10.5 43.70N 69.65E 3.6b,3.0 **¶601775943**
NNC Error ellipse: s-maj=16.1km s-min=4.6km az=71.0.
SOME Event type kx.

(366) Turkey

ISC IX 18 11 04 17.4–.86 37.03N–.03 31.44E–.04 0 23 0-2
ISCJB IX 18 11 04 17.7–.47 37.02N–.03 31.49E–.05 0 **¶602078106**
ISK IX 18 11 04 17.3 37.00N 31.42E 9–1 2.2L
DDA IX 18 11 04 19.1 37.04N 31.50E 6 2.8L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=3.6km az=150.2.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC IX 18 13 25 28.9–1.0 40.14N–.03 29.45E–.03 0 25 0-1
ISK IX 18 13 25 27.7 40.14N 29.43E 20–2 1.9L **¶602078113**
ISCJB IX 18 13 25 28.6–.45 40.14N–.02 29.44E–.03 0 1.9L
DDA IX 18 13 25 28.5 40.17N 29.46E 7 2.6L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.0km s-min=3.1km az=146.9.
DDA Event type ke.

(548) Poland

ISC IX 18 15 25 06.8–.72 50.20N–.03 18.80E–.02 0 73 0-20
ISCJB IX 18 15 25 05.1–.40 50.31N–.03 18.76E–.02 0 **¶601732932**
IPEC IX 18 15 25 07.1–.22 50.25N 18.84E 1–1 2.4L
WAR IX 18 15 25 07.7 50.25N 18.87E 1 2.7W
PRU IX 18 15 25 07.4–.00 50.25N 18.79E 0 2.7W
IDC IX 18 15 25 07.3–2.3 50.21N 18.89E 0 3.8,3.7
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=2.1km az=11.5.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=168.0.
PRU Event type ki.
IDC Error ellipse: s-maj=46.4km s-min=11.7km az=134.0.

(536) Sweden

UPP IX 18 16 30 17.5–.20 58.21N 11.29E 0 2.2L
BER IX 18 16 30 19.3–1.9 58.26N 11.22E 0 2.1L,1.6L **¶601723826**
NAO IX 18 16 30 20.1–2.2 58.39N 11.13E 2.1L,1.6L
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.5km s-min=9.0km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(548) Poland

ISC IX 19 03 09 37.8–1.0 51.54N–.04 16.25E–.03 0 44 1-5
ISCJB IX 19 03 09 38.4–.78 51.37N–.03 16.16E–.04 0 **¶601732940**
VIE IX 19 03 09 43.0–.97 51.21N 15.94E 0 2.5L,2.1b
WAR IX 19 03 09 44.2 51.02N 15.79E 1 2.5W,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.4km s-min=3.1km az=28.4.
VIE Event type sr. Error ellipse: s-maj=6.3km s-min=5.6km az=35.0. 75 km WNW of Wroclaw . Suspected Mining induced.

(330) Lake Issyk-Kul region

ISC IX 19 07 52 09.9–1.1 42.63N–.05 75.68E–.03 0 18 0-4
ISCJB IX 19 07 52 10.9–.64 42.67N–.04 75.66E–.05 0 **¶601779430**
SOME IX 19 07 52 10.4 42.67N 75.63E
NNC IX 19 07 52 10.7–.89 42.65N 75.67E 0 3.0b,2.7
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.4km s-min=4.9km az=161.6.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=7.8km s-min=4.3km az=163.0. Suspected Mining explosion.

(366) Turkey

ISC IX 19 11 59 10.6–.99 39.13N–.03 27.62E–.05 0 16 0-2
ISCJB IX 19 11 59 09.5–.76 39.13N–.04 27.54E–.06 0 **¶603000480**
DDA IX 19 11 59 10.1 39.16N 27.63E 7 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.8km s-min=5.0km az=144.7.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC IX 19 18 09 59.7–.70 43.83N–.04 105.30W–.04 0 4.1b 42 1-90
IDC IX 19 18 09 57.7–1.9 43.60N 105.28W 0 4.1b,3.9 **¶601863840**
ISCJB IX 19 18 09 58.1–.38 43.82N–.03 105.26W–.05 0 4.1b,3.9
NEIC IX 19 18 09 59.2–.42 43.82N 105.24W 0 3.4L,3.9
ISC Event type sm.
IDC Error ellipse: s-maj=51.8km s-min=8.7km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=4.4km az=37.8.
NEIC Event type sm. Error ellipse: s-maj=7.1km s-min=6.1km az=140.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.

(326) Southwestern Siberia

NNC IX 20 09 01 01.0–3.0 53.45N 87.80E 0 4.0b,3.7 ¶601781283

NNC Event type sm. Error ellipse: s-maj=24.3km s-min=12.0km az=65.0. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC IX 20 12 56 04.2–1.0 42.69N–.04 75.69E–.03 0 21 0-4
KNET IX 20 12 56 02.8–.33 42.67N 75.73E 8–3 1.4L **¶601781296**
NNC IX 20 12 56 03.0–.56 42.66N 75.69E 0 3.0b,2.7
ISCJB IX 20 12 56 03.3–.56 42.68N–.04 75.70E–.04 0 3.0b,2.7
SOME IX 20 12 56 03.3 42.68N 75.65E 3.0b,2.7
ISC Event type sm.
KNET Error ellipse: s-maj=2.8km s-min=1.4km az=133.0.
NNC Event type sm. Error ellipse: s-maj=3.3km s-min=2.8km az=151.0. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=4.2km az=168.1.
SOME Event type kx.

(366) Turkey

ISC IX 20 13 01 37.7–.96 38.58N–.03 28.62E–.03 0 18 0-1
ISCJB IX 20 13 01 37.5–.50 38.56N–.03 28.64E–.04 0 **¶602078286**
DDA IX 20 13 01 37.9 38.56N 28.60E 6 2.7L
ISK IX 20 13 01 37.1 38.54N 28.64E 9–1 1.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.7km s-min=3.8km az=26.0.
DDA Event type ke.
ISK Event type sm. Suspected Mining explosion.

(366) Turkey

ISC IX 20 15 27 55.1–1.1 37.23N–.04 28.23E–.04 0 13 0-1
ISK IX 20 15 27 54.9 37.21N 28.22E 11–1 2.0L **¶602078299**
ISCJB IX 20 15 27 55.5–.64 37.23N–.04 28.21E–.06 0 2.0L
DDA IX 20 15 27 55.5 37.24N 28.23E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=8.1km s-min=4.7km az=142.6.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC IX 20 20 01 51.1–.70 43.77N–.04 105.29W–.04 0 37 1-90
ISCJB IX 20 20 01 50.5–.40 43.76N–.03 105.26W–.04 0 4.0b,3.0s **¶601863908**
IDC IX 20 20 01 50.5–1.9 43.67N 105.37W 0 3.9b,3.8
NEIC IX 20 20 01 51.3–.56 43.79N 105.24W 0 3.4L,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.9km az=41.0.
IDC Error ellipse: s-maj=55.2km s-min=9.1km az=150.0.
NEIC Event type sm. Error ellipse: s-maj=9.3km s-min=7.2km az=143.0. 60 km [37 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC IX 21 05 26 59.5–.72 51.55N–.03 16.17E–.02 0 100 1-19
ISCJB IX 21 05 26 58.5–.35 51.48N–.02 16.16E–.03 0 **¶601738240**
VIE IX 21 05 27 00.6 51.48N 16.20E 0 3.0L
IDC IX 21 05 27 02.0–1.1 51.46N 16.02E 0 3.5,3.3
PRU IX 21 05 27 02.0–.00 51.44N 16.15E 0 3.5,3.3
BGR IX 21 05 27 02.4–.49 51.45N 16.12E 1 2.9L,3.3
UPP IX 21 05 27 03.3–2.7 51.62N 15.55E 0 2.0L,3.3
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.8km s-min=2.3km az=30.6.
VIE Event type sr. 71 km NW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=20.2km s-min=10.1km az=108.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=20.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(713) Central Kazakhstan

NNC IX 21 07 32 07.1–.61 50.86N 73.71E 0 3.7b,3.4 ¶601783714

NNC Event type sm. Error ellipse: s-maj=6.5km s-min=5.4km az=55.0. Suspected Mining explosion.

(546) Austria

VIE IX 21 08 48 10.1–2.7 48.91N 16.79E 0 1.8L,1.2b ¶604492041

VIE Event type sm. Error ellipse: s-maj=15.7km s-min=5.1km az=94.0. 29 km NNE of Poysdorf . Suspected Mining explosion.

(723) Finland-Karelia border region

ISC IX 21 09 01 23.6–1.1 64.66N–.05 30.48E–.06 0 25 1-10
IDC IX 21 09 01 19.5–3.8 64.51N 32.30E 0 3.1,3.1 **¶601863947**
ISCJB IX 21 09 01 21.3–.62 64.64N–.03 30.40E–.10 0 3.1,3.1
HEL IX 21 09 01 23.4–.10 64.68N 30.63E 0 1.9L,3.1
MOS IX 21 09 01 23.2 64.68N 30.63E 1.9,3.1
KOLA IX 21 09 01 26.4 64.77N 30.33E 0 1.9,3.1
ISC Event type km.
IDC Error ellipse: s-maj=50.8km s-min=12.5km az=100.0.
ISCJB Event type km. Error ellipse: s-maj=6.2km s-min=4.2km az=16.1.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0. Explosion.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
KOLA Event type km.

(713) Central Kazakhstan

ISC IX 22 09 49 28.7–2.9 43.5N–.10 70.22E–.10 0 26 0-3
NNC IX 22 09 49 30.2–.35 43.38N 70.22E 0 3.0b,2.4 **¶601792354**
SOME IX 22 09 49 31.4 43.35N 70.25E 0 3.0b,2.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=1.9km s-min=1.7km az=67.0. Suspected Mining explosion.

(366) Turkey

ISC IX 22 14 22 57.1–.88 38.65N–.03 35.80E–.03 0 26 0-2
ISCJB IX 22 14 22 56.8–.41 38.64N–.02 35.78E–.03 0 **¶602078419**
DDA IX 22 14 22 56.4 38.64N 35.80E 7 3.0L
ISK IX 22 14 22 56.3 38.66N 35.76E 5–0 2.4L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.8km s-min=3.2km az=20.7.
DDA Event type ke.
ISK Event type sm. Suspected Mining explosion.

(366) Turkey

ISC IX 22 14 42 43.4–.98 37.21N–.03 28.17E–.03 0 20 0-1
ISCJB IX 22 14 42 43.8–.48 37.23N–.03 28.20E–.03 0 **¶602078420**
ISK IX 22 14 42 43.3 37.22N 28.17E 2–0 2.0L
DDA IX 22 14 43 36.1 37.21N 28.20E 5 2.4L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=3.3km az=29.4.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(736) Vietnam

ISC IX 23 03 57 32.9–.89 15.3N–.10 108.02E–.08 0 3.7b 24 2-83
BKK IX 23 03 57 27.7–.70 15N–5.0 108E–6.0 10 4.7,4.7b **¶601864022**
ISCJB IX 23 03 57 31.1–.67 15.22N–.09 108.01E–.07 0 3.7b,3.5s
IDC IX 23 03 57 32.4–.95 15.17N 107.90E 0 4.3L,4.0
ISC Event type si.
ISCJB Event type si. Error ellipse: s-maj=13.3km s-min=9.0km az=24.2.
IDC Error ellipse: s-maj=29.3km s-min=17.8km az=47.0.

(366) Turkey

DDA IX 23 06 40 59.3 37.25N 28.20E 7 2.4L
ISK IX 23 06 40 58.3 37.23N 28.18E 11–0 2.4L **¶602078463**
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC IX 23 10 03 16.1–.88 37.14N–.03 28.83E–.04 0 18 0-1
ISK IX 23 10 03 16.1 37.09N 28.78E 17–1 2.2L **¶602078467**
ISCJB IX 23 10 03 17.5–.57 37.09N–.03 28.74E–.04 0 2.2L
DDA IX 23 10 03 17.2 37.08N 28.76E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=4.4km az=138.6.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC IX 23 18 59 14.6–.90 43.61N–.04 105.28W–.04 0 23 1-9
IDC IX 23 18 59 13.4–2.4 43.48N 105.31W 0 3.6,3.4 **¶601864051**
ISCJB IX 23 18 59 14.7–.54 43.62N–.04 105.30W–.06 0 3.6,3.4
NEIC IX 23 18 59 15.4–.71 43.66N 105.30W 0 3.1L,3.4

ISC Event type sm.
IDC Error ellipse: s-maj=55.0km s-min=10.0km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=6.1km s-min=5.1km az=19.3.
NEIC Event type sm. Error ellipse: s-maj=11.3km s-min=9.1km az=166.0. 72 km [44 miles] SSE of Gillette. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC	**IX**	**24 07 08 30.0–1.1**	**42.56N–.06**	**75.72E–.03**	**0**		**19**	**0-4**
ISCJB	IX	24 07 08 32.5–.61	42.68N–.05	75.69E–.04	0			**¶601794628**
KNET	IX	24 07 08 32.8–.52	42.70N	75.64E	6–7	1.4L		
NNC	IX	24 07 08 32.1–.67	42.66N	75.68E	0	2.8b,2.5		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.6km s-min=4.3km az=169.0.
KNET Error ellipse: s-maj=4.1km s-min=2.4km az=126.0.
NNC Event type sm. Error ellipse: s-maj=4.0km s-min=3.1km az=144.0. Suspected Mining explosion.

(460) Wyoming

ISC	**IX**	**24 20 06 42.9–.81**	**43.77N–.05**	**105.29W–.04**	**0**		**33**	**1-61**
NEIC	IX	24 20 06 39.6–.75	43.56N	104.85W	0	3.5L		**¶601864114**
IDC	IX	24 20 06 41.6–1.5	43.44N	105.11W	0	3.9,3.9b		
ISCJB	IX	24 20 06 42.1–.42	43.79N–.03	105.28W–.04	0	4.1b,3.9b		

ISC Event type sm.
NEIC Event type sm. 63 km [39 miles] WSW of Newcastle. Suspected Mining explosion.
ISCJB Event type fm.

(366) Turkey

ISC	**IX**	**25 10 18 02.5–.84**	**37.00N–.03**	**29.04E–.03**	**0**		**25**	**0-1**
DDA	IX	25 10 18 02.9	37.04N	29.07E	7	2.7L		**¶602078562**
ISCJB	IX	25 10 18 03.2–.46	37.03N–.03	29.07E–.04	0	2.7L		
ISK	IX	25 10 18 03.0	37.03N	29.06E	8–0	2.1L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.6km az=17.9.
ISK Event type ke.

(716) Kyrgyzstan

NNC	**IX**	**25 10 47 19.7–.16**	**42.91N**	**71.03E**	**0**	**4.7**		**¶601795551**

NNC Event type sm. Error ellipse: s-maj=3.0km s-min=0.8km az=24.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**IX**	**25 10 56 22.0–.71**	**59.91N–.03**	**22.42E–.02**	**0**		**88**	**1-10**
ISCJB	IX	25 10 56 21.6–.29	59.92N–.02	22.39E–.03	0			**¶601755823**
UPP	IX	25 10 56 23.0–1.2	59.92N	22.36E	0	2.3L		
HEL	IX	25 10 56 23.6–.10	59.87N	22.30E	0	2.3L,2.2L		
IDC	IX	25 10 56 24.5–1.8	59.88N	22.43E	0	3.0,3.0		
BER	IX	25 10 56 24.9–3.6	59.87N	22.44E	0	2.1L,3.0		
NAO	IX	25 10 56 24.0–1.2	59.86N	22.42E		2.1L,3.0		
LVSN	IX	25 10 56 25.5–4.8	59.87N	22.41E	0–40	2.5L,3.0		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.4km s-min=2.5km az=167.1.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=23.4km s-min=6.3km az=158.0.
BER Event type sh. Error ellipse: s-maj=9.4km s-min=11.9km az=-1.0. Suspected explosion.
LVSN Error ellipse: s-maj=11.5km s-min=31.7km az=-1.0.

(330) Lake Issyk-Kul region

ISC	**IX**	**25 12 30 17.4–1.1**	**42.65N–.05**	**75.74E–.04**	**0**		**18**	**0-4**
SOME	IX	25 12 30 16.8	42.62N	75.65E				**¶601795560**
ISCJB	IX	25 12 30 18.2–.62	42.67N–.04	75.69E–.05	0			
KNET	IX	25 12 30 18.0–.16	42.69N	75.70E	12–2	1.4L		
NNC	IX	25 12 30 18.4–1.1	43.17N	75.53E	0	2.8b,2.5		

ISC Event type sm.
SOME Event type kx.
ISCJB Event type sm. Error ellipse: s-maj=6.5km s-min=4.9km az=166.1.
KNET Error ellipse: s-maj=1.3km s-min=1.1km az=44.0.
NNC Event type sm. Error ellipse: s-maj=7.3km s-min=3.9km az=116.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**IX**	**25 13 05 26.4–.71**	**59.92N–.03**	**22.38E–.02**	**0**		**89**	**1-10**
ISCJB	IX	25 13 05 26.2–.30	59.92N–.03	22.41E–.04	0			**¶601755826**
LVSN	IX	25 13 05 27.8–2.3	59.83N	22.38E	0–13	2.6L		
HEL	IX	25 13 05 27.9–.10	59.78N	22.36E	0	2.6L,2.5L		
NAO	IX	25 13 05 27.8–1.1	59.85N	22.30E		2.2L,2.5L		
BER	IX	25 13 05 28.9–4.3	59.83N	22.32E	0	2.3L,2.2L		
UPP	IX	25 13 05 28.9–.90	59.84N	22.15E	0	2.6L,2.2L		
IDC	IX	25 13 05 28.9–1.8	59.84N	22.38E	0	3.2,3.1		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.7km s-min=2.7km az=4.6.
LVSN Error ellipse: s-maj=4.8km s-min=14.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=11.7km s-min=12.0km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=11.6km az=157.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**IX**	**25 14 42 36.6–.68**	**59.90N–.03**	**22.32E–.02**	**0**		**84**	**1-10**
ISCJB	IX	25 14 42 36.8–.30	59.87N–.02	22.36E–.04	0			**¶601755827**
HEL	IX	25 14 42 38.1–.10	59.79N	22.34E	0	2.6L,2.5L		
UPP	IX	25 14 42 38.7–1.1	59.89N	22.23E	0	2.6L,2.5L		
LVSN	IX	25 14 42 38.2–2.4	59.82N	22.40E	0–10	2.6L,2.5L		
NAO	IX	25 14 42 38.2–1.1	59.88N	22.28E		2.2L,2.5L		
BER	IX	25 14 42 39.2–3.8	59.65N	22.16E	0	2.2L,2.5L		
IDC	IX	25 14 42 39.4–1.5	59.90N	22.23E	0	3.3,3.2		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.5km s-min=2.8km az=171.6.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
LVSN Error ellipse: s-maj=5.0km s-min=14.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=11.9km s-min=12.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.8km s-min=7.3km az=161.0.

(536) Sweden

ISC	**IX**	**25 17 46 49.0–.79**	**67.08N–.02**	**20.96E–.02**	**0**		**65**	**0-8**
ISCJB	IX	25 17 46 48.4–.34	67.05N–.02	20.96E–.07	0			**¶601755828**
UPP	IX	25 17 46 48.9–.10	67.06N	20.95E	0	1.8L		
NAO	IX	25 17 46 49.1–1.0	67.09N	21.04E		2.5L		
HEL	IX	25 17 46 49.6–.10	67.07N	20.95E	0	2.2L,1.8L		
BER	IX	25 17 46 51.7–3.7	67.06N	20.79E	0	2.5L,1.8L		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.1km s-min=2.8km az=157.5.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=8.3km s-min=31.4km az=-1.0. Suspected explosion.

(536) Sweden

BER	**IX**	**25 17 47 07.9–3.2**	**66.99N**	**20.90E**	**0**	**2.7L,1.7L**		
NAO	IX	25 17 47 05.3–1.0	67.03N	21.20E		2.7L,1.7L		**¶604507619**

BER Event type sh. Error ellipse: s-maj=7.1km s-min=33.9km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(366) Turkey

ISC	**IX**	**26 06 56 17.8–.99**	**40.75N–.04**	**42.05E–.05**	**0**		**15**	**0-1**
ISCJB	IX	26 06 56 18.3–.76	40.63N–.04	42.00E–.07	0			**¶602078605**
DDA	IX	26 06 56 18.9	40.64N	41.88E	7	2.7L		
ISK	IX	26 06 56 18.1	40.76N	42.20E	17–0	2.2L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=8.8km s-min=4.5km az=142.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(713) Central Kazakhstan

ISC	**IX**	**26 07 33 39.0–2.6**	**42.27N–.09**	**69.4E–.20**	**7–19**		**15**	**1-3**
KRNET	IX	26 07 33 38.5–.10	42.19N	69.51E		2.5b		**¶601819440**

ISC Event type ke.

(326) Southwestern Siberia

NNC	**IX**	**26 08 11 21.7–2.2**	**52.89N**	**91.38E**	**0**	**4.0b,3.7**		
ASRS	IX	26 08 11 17.9	53.79N	90.93E		3.1,3.7		**¶601819443**

NNC Event type sm. Error ellipse: s-maj=18.2km s-min=14.5km az=56.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(723) Finland-Karelia border region

ISC	**IX**	**26 09 00 34.8–1.1**	**64.80N–.04**	**30.51E–.05**	**0**		**28**	**1-10**
ISCJB	IX	26 09 00 33.2–.79	64.74N–.04	30.44E–.10	0			**¶601864196**
HEL	IX	26 09 00 34.8–.20	64.83N	30.88E	0	2.0L		
KOLA	IX	26 09 00 36.0	64.74N	30.57E	0	2.0L		
MOS	IX	26 09 00 35.3	64.81N	30.80E		2.3		
IDC	IX	26 09 00 37.5–2.9	64.77N	30.59E	0	2.8,2.8		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.3km s-min=4.4km az=137.6.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=4.9km az=-1.0. Explosion.
KOLA Event type km.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=41.8km s-min=10.2km az=100.0.

(326) Southwestern Siberia

NNC	**IX**	**26 09 53 11.9–1.6**	**53.45N**	**87.97E**	**0**	**3.9b,3.6**		

¶601819447

NNC Event type sm. Error ellipse: s-maj=12.3km s-min=7.4km az=70.0. Suspected Mining explosion.

(543) Germany

ISC	**IX**	**26 10 00 04.1–1.9**	**50.18N–.07**	**12.83E–.07**	**10**		**18**	**2-3**
VIE	IX	26 10 00 01.2–.40	50.20N	12.76E	0	2.7L,2.2b		**¶604492079**

ISC Event type ke.
VIE Event type sm. Error ellipse: s-maj=5.0km s-min=2.9km az=48.0. 22 km E of Klingenthal . Suspected Mining explosion.

(548) Poland

ISC	**IX**	**26 15 34 33.4–.80**	**51.51N–.04**	**16.13E–.02**	**0**		**59**	**1-19**
ISCJB	IX	26 15 34 32.6–.55	51.42N–.03	16.15E–.03	0			**¶601741008**
PRU	IX	26 15 34 34.6–.00	51.47N	16.15E	0			
IDC	IX	26 15 34 35.8–.93	51.40N	15.97E	0	3.3,3.3		
VIE	IX	26 15 34 38.9	51.17N	16.11E	0	2.8L,3.3		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=2.6km az=16.5.
PRU Event type ki.
IDC Error ellipse: s-maj=14.3km s-min=8.3km az=112.0.
VIE Event type sr. 63 km W of Wroclaw . Suspected Mining induced.

(456) Montana

ISC	**IX**	**26 17 22 11.6–.94**	**45.08N–.07**	**106.99W–.05**	**0**		**9**	**2-90**
ISCJB	IX	26 17 22 12.3–.75	45.17N–.09	106.8W–.10	0			**¶601864222**
IDC	IX	26 17 22 13.0–1.3	44.83N	106.75W	0	3.6,3.4		
NEIC	IX	26 17 22 13.5–.76	45.14N	106.87W	0	2.4L,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=14.6km s-min=9.5km az=148.5.
IDC Error ellipse: s-maj=66.7km s-min=8.9km az=137.0.
NEIC Event type sm. Error ellipse: s-maj=14.6km s-min=9.6km az=151.0. 39 km [24 miles] N of Sheridan. Suspected Mining explosion.

(548) Poland

PRU	**IX**	**27 01 09 40.9–.00**	**50.42N**	**18.87E**	**0**			**¶601775426**

PRU Event type ki.

(548) Poland

ISC	**IX**	**27 02 57 58.7–.78**	**50.04N–.03**	**18.42E–.02**	**0**		**50**	**0-4**
ISCJB	IX	27 02 57 57.2–.40	50.06N–.03	18.36E–.03	0			**¶601775428**
IPEC	IX	27 02 57 58.5–.17	50.05N	18.47E	0	2.0L		
WAR	IX	27 02 57 58.7	50.06N	18.44E	1	2.5W		
PRU	IX	27 02 57 59.2–.00	50.03N	18.41E	0	2.5W		
VIE	IX	27 02 58 06.8–3.5	49.70N	18.12E	0	2.4L,1.8b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=2.3km az=5.7.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=22.4km s-min=10.1km az=65.0. 18 km SSW of Ostrava . Suspected Mining induced.

(326) Southwestern Siberia

NNC	**IX**	**27 06 35 17.2–1.8**	**54.29N**	**86.26E**	**0**	**4.0b,3.3**		

¶601824400

NNC Event type sm. Error ellipse: s-maj=22.8km s-min=8.6km az=167.0. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC	**IX**	**27 08 15 35.3–.91**	**42.58N–.05**	**75.67E–.03**	**0**		**21**	**0-4**
SOME	IX	27 08 15 36.3	42.67N	75.67E				**¶601824406**
NNC	IX	27 08 15 36.7–.48	42.66N	75.67E	0	2.7b,2.4		
ISCJB	IX	27 08 15 37.0–.60	42.69N–.04	75.69E–.04	0	2.7b,2.4		
KNET	IX	27 08 15 37.1–.24	42.68N	75.68E	6–3	1.2L,2.4		

ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=2.9km s-min=2.2km az=142.0. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=4.3km az=151.2.
KNET Error ellipse: s-maj=1.7km s-min=0.9km az=99.0.

(724) Baltic States-Belarus-Northwestern Russia

KOLA	**IX**	**27 09 18 19.3**	**67.72N**	**34.14E**	**0**			**¶603514698**

KOLA Event type km.

(326) Southwestern Siberia

NNC	**IX**	**27 10 15 12.3–3.8**	**53.56N**	**87.68E**	**0**	**3.8b,3.4**		

¶601824419

NNC Event type sm. Error ellipse: s-maj=31.3km s-min=20.7km az=49.0. Suspected Mining explosion.

(548) Poland

ISC	**IX**	**27 16 11 22.0–.85**	**50.34N–.04**	**18.85E–.02**	**0**		**71**	**0-6**
ISCJB	IX	27 16 11 21.0–.47	50.35N–.03	18.77E–.03	0			**¶601775436**
PRU	IX	27 16 11 22.1–.00	50.38N	18.84E	0			
WAR	IX	27 16 11 22.6	50.37N	18.92E	1	2.9W		
BGR	IX	27 16 11 23.1–.39	50.35N	18.90E	1	3.1L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=2.1km az=16.2.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=9.0.

(456) Montana

ISC	**IX**	**27 17 53 07.1–1.0**	**45.03N–.09**	**106.90W–.05**	**0**		**9**	**2-9**
ISCJB	IX	27 17 53 08.4–.79	45.25N–.08	106.9W–.10	0			**¶601864301**
NEIC	IX	27 17 53 09.2–.61	45.24N	106.91W	0	2.7L		
IDC	IX	27 17 53 09.1–1.1	44.78N	106.64W	0	3.5,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.2km s-min=9.9km az=146.4.
NEIC Event type sm. Error ellipse: s-maj=10.4km s-min=8.1km az=147.0. 49 km [30 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=58.9km s-min=8.5km az=138.0.

(367) Turkey-Georgia-Armenia border region

ISC	**IX**	**27 20 36 01.9–.82**	**41.04N–.03**	**42.08E–.02**	**0**		**38**	**0-3**
DDA	IX	27 20 36 01.6	41.04N	42.05E	7	2.9L		**¶602078700**
TIF	IX	27 20 36 01.4	41.02N	42.01E	11–1	2.9L		
ISK	IX	27 20 36 01.6	41.06N	42.04E	5–0	3.0L		
ISCJB	IX	27 20 36 02.1–.35	41.03N–.03	42.05E–.02	0	3.0L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(460) Wyoming

ISC	**IX**	**27 21 00 35.1–.70**	**43.82N–.03**	**105.30W–.03**	**0**		**49**	**1-90**
IDC	IX	27 21 00 32.6–2.4	43.46N	105.26W	0	3.9,3.8		**¶601864310**
ISCJB	IX	27 21 00 33.8–.37	43.83N–.03	105.29W–.03	0	3.9b,3.5s		
NEIC	IX	27 21 00 34.4–.80	43.79N	105.19W	0	3.3L,3.5s		

ISC Event type sm.
IDC Error ellipse: s-maj=62.4km s-min=8.8km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=3.7km s-min=3.6km az=155.5.

NEIC Event type sm. Error ellipse: s-maj=14.1km s-min=6.7km az=147.0. 61 km [38 miles] SSE of Gillette. Suspected Mining explosion.
(536) Sweden
HEL IX 27 23 24 13.9–.10 67.86N 20.19E 0 1.7L,1.6L
UPP IX 27 23 24 13.4–.00 67.86N 20.19E 1 1.7L,1.6L ¶603869346
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
(366) Turkey
ISC IX 28 07 48 18.3–.81 37.25N–.03 28.11E–.03 0 30 0-2
ISK IX 28 07 48 18.7 37.24N 28.19E 7–0 2.2L ¶602078716
ISCJB IX 28 07 48 19.2–.41 37.23N–.03 28.18E–.03 0 2.2L
DDA IX 28 07 48 19.4 37.22N 28.12E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=2.9km az=42.5.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
DDA IX 28 08 00 46.5 39.07N 27.55E 7 2.3L
¶603000838
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 28 08 39 56.2–.82 39.64N–.03 29.46E–.03 0 33 0-2
ISCJB IX 28 08 39 56.2–.43 39.62N–.02 29.49E–.03 0 ¶602078718
DDA IX 28 08 39 56.5 39.64N 29.44E 7 2.5L
ISK IX 28 08 39 56.1 39.61N 29.52E 7–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=2.8km az=38.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(326) Southwestern Siberia
NNC IX 28 08 41 08.8–1.5 53.45N 87.63E 0 3.5b,3.2
¶601828804
NNC Event type sm. Error ellipse: s-maj=11.6km s-min=5.3km az=60.0. Suspected Mining explosion.
(326) Southwestern Siberia
NNC IX 28 10 59 36.2–2.4 53.10N 87.71E 0 3.7b,3.3
¶601828814
NNC Event type sm. Error ellipse: s-maj=20.9km s-min=8.4km az=72.0. Suspected Mining explosion.
(713) Central Kazakhstan
NNC IX 28 11 05 52.8–1.0 50.86N 73.73E 0 3.5b,3.2
¶601828815
NNC Event type sm. Error ellipse: s-maj=13.7km s-min=10.0km az=31.0. Suspected Mining explosion.
(366) Turkey
ISC IX 28 13 30 55.2–1.0 39.60N–.05 29.75E–.05 0 17 0-1
ISCJB IX 28 13 30 58.0–.62 39.66N–.03 29.76E–.05 0 ¶602078730
ISK IX 28 13 30 57.2 39.59N 29.79E 19–0 2.0L
DDA IX 28 13 30 58.5 39.69N 29.47E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=3.9km az=26.9.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 28 14 37 53.0–.96 39.88N–.03 33.11E–.03 0 21 0-1
ISCJB IX 28 14 37 52.6–.48 39.88N–.03 33.14E–.04 0 ¶602078735
ISK IX 28 14 37 52.1 39.89N 33.10E 9–9 1.5L
DDA IX 28 14 37 53.2 39.89N 33.14E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.0km s-min=3.7km az=157.9.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.
(536) Sweden
ISC IX 28 23 34 42.7–.89 67.82N–.04 20.31E–.04 0 31 0-5
ISCJB IX 28 23 34 42.7–.53 67.84N–.03 20.26E–.09 0 ¶603869419
UPP IX 28 23 34 42.9–.10 67.83N 20.21E 0 2.5L
HEL IX 28 23 34 44.1 67.85N 20.25E 0 2.3L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.1km s-min=4.0km az=16.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
(329) Eastern Kazakhstan
ISC IX 29 10 08 23.5–2.5 48.76N–.05 77.4E–.20 0 7 2-4
SOME IX 29 10 08 27.8 48.72N 77.45E 20 ¶601830194
NNC IX 29 10 08 29.3–4.0 48.77N 78.33E 0 2.9b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=54.0km s-min=23.9km az=76.0. Suspected Mining explosion.
(366) Turkey
ISC IX 29 10 25 01.8–.97 37.06N–.03 29.09E–.03 0 28 0-1
ISCJB IX 29 10 25 00.4–.48 37.05N–.02 29.09E–.04 0 ¶602078788
DDA IX 29 10 25 00.1 37.05N 29.08E 7 2.4L
ISK IX 29 10 25 00.3 37.06N 29.07E 8–0 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=3.3km az=23.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC IX 29 15 34 19.2–.88 37.07N–.03 29.11E–.03 0 24 0-2
ISCJB IX 29 15 34 19.5–.45 37.04N–.03 29.07E–.03 0 ¶602078802
DDA IX 29 15 34 19.2 37.04N 29.08E 7 2.6L
ISK IX 29 15 34 19.7 37.02N 29.03E 7–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.0km s-min=3.7km az=26.5.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC IX 29 17 23 16.2–.81 37.05N–.03 29.12E–.03 0 31 0-2
DDA IX 29 17 23 15.9 37.05N 29.06E 7 2.5L ¶602078809
ISK IX 29 17 23 15.3 37.02N 29.07E 5–0 2.2L
ISCJB IX 29 17 23 16.1–.40 37.04N–.03 29.08E–.03 0 2.2L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.
(460) Wyoming
ISC IX 29 18 01 36.6–.77 43.78N–.04 105.23W–.05 0 110 1-90
ISCJB IX 29 18 01 34.9–.31 43.76N–.02 105.18W–.04 0 3.9b ¶601857496
NEIC IX 29 18 01 36.6–.30 43.76N 105.23W 0 3.6L
IDC IX 29 18 01 36.4–1.6 43.85N 105.48W 0 3.9b,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=3.9km s-min=3.1km az=163.5.
NEIC Event type sm. Error ellipse: s-maj=3.9km s-min=3.4km az=63.0. 63 km [39 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.6km s-min=8.8km az=148.0.
(548) Poland
ISC IX 29 19 58 47.3–.82 50.06N–.03 19.12E–.02 0 46 0-4
ISCJB IX 29 19 58 46.3–.50 50.11N–.03 19.03E–.03 0 ¶601775476
IPEC IX 29 19 58 47.2–.13 50.18N 19.09E 0–1 2.1L
PRU IX 29 19 58 47.4–.00 50.12N 19.06E 0 2.1L
WAR IX 29 19 58 47.8 50.09N 19.16E 1 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.9km az=12.6.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=0.7km az=166.0.
PRU Event type ki.
(366) Turkey
ISC IX 30 05 45 43.4–.82 37.16N–.03 28.14E–.03 0 28 0-1
ISCJB IX 30 05 45 44.0–.41 37.19N–.03 28.18E–.03 0 ¶602078830
ISK IX 30 05 45 43.0 37.20N 28.22E 17–0 2.0L
DDA IX 30 05 45 44.4 37.23N 28.22E 7 2.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=2.9km az=28.6.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC IX 30 08 45 26.1–1.1 48.62N–.04 77.63E–.04 0 18 2-5
SOME IX 30 08 45 26.9 48.78N 77.90E 5 ¶601833069
NNC IX 30 08 45 31.6–.67 48.71N 77.67E 0 3.1b,2.7
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.5km s-min=6.7km az=97.0. Suspected Mining explosion.
(366) Turkey
DDA IX 30 08 49 24.7 37.48N 27.70E 7 2.0L
¶603000941
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 30 08 53 36.0–.88 39.62N–.03 29.44E–.03 0 34 1-2
ISK IX 30 08 53 34.9 39.57N 29.51E 9–0 2.2L ¶602078833
ISCJB IX 30 08 53 35.4–.53 39.60N–.03 29.47E–.05 0 2.2L
DDA IX 30 08 53 36.3 39.65N 29.38E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=3.7km az=27.8.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IX 30 09 50 40.6–.90 37.30N–.04 28.29E–.04 0 22 0-1
ISK IX 30 09 50 40.9 37.23N 28.20E 7–0 1.8L ¶602078837
ISCJB IX 30 09 50 41.5–.54 37.25N–.03 28.26E–.04 0 1.8L
DDA IX 30 09 50 41.5 37.21N 28.26E 8 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=3.6km az=142.4.
DDA Event type sm. Suspected Mining explosion.
(536) Sweden
ISC IX 30 11 21 25.7–.71 67.18N–.02 20.68E–.02 0 88 0-17
NAO IX 30 11 21 25.7–.80 67.22N 20.29E 2.9L ¶601768552
ISCJB IX 30 11 21 25.1–.28 67.15N–.02 20.68E–.06 0 2.9L
IDC IX 30 11 21 26.7–.74 67.17N 21.06E 0 3.3,3.3
UPP IX 30 11 21 26.2–.00 67.19N 20.67E 0 2.5L,3.3
HEL IX 30 11 21 26.8–.00 67.19N 20.68E 1 2.5L,2.4L
BER IX 30 11 21 28.9–3.7 67.15N 20.75E 0 2.9L,2.4L
ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=3.1km s-min=2.5km az=5.5.
IDC Error ellipse: s-maj=14.5km s-min=5.5km az=115.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
BER Event type sh. Error ellipse: s-maj=5.8km s-min=21.9km az=-1.0. Suspected explosion.
(548) Poland
ISC IX 30 13 31 46.2–1.1 51.39N–.05 16.10E–.03 0 50 1-4
ISCJB IX 30 13 31 43.4–.59 51.42N–.03 16.14E–.03 0 ¶601775497
VIE IX 30 13 31 47.0–.60 51.29N 16.03E 0 2.7L,2.2b
WAR IX 30 13 32 28.5 51.01N 15.83E 1 2.4W,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.8km az=25.2.
VIE Event type sr. Error ellipse: s-maj=5.3km s-min=3.7km az=26.0. 71 km WNW of Wroclaw . Suspected Mining induced.
(460) Wyoming
ISC IX 30 20 03 37.4–.75 43.77N–.04 105.26W–.06 0 38 1-90
ISCJB IX 30 20 03 35.8–.40 43.83N–.03 105.24W–.05 0 3.9b ¶601857548
NEIC IX 30 20 03 37.0–.46 43.76N 105.20W 0 3.4L
IDC IX 30 20 03 41.2–2.4 44.10N 105.87W 23–18 3.7,3.7b
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.3km az=28.7.
NEIC Event type sm. Error ellipse: s-maj=8.2km s-min=6.3km az=147.0. 64 km [39 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.8km s-min=9.6km az=143.0.
(713) Central Kazakhstan
NNC X 01 08 57 45.9–5.2 49.66N 72.95E 0 3.7b,3.3
¶601833821
NNC Event type sm. Error ellipse: s-maj=53.9km s-min=27.7km az=16.0. Suspected Mining explosion.
(460) Wyoming
ISC X 01 17 19 33.9–1.1 43.48N–.07 105.29W–.05 0 13 1-9
IDC X 01 17 19 35.6–2.4 43.32N 105.31W 0 3.7,3.5 ¶601996413
NEIC X 01 17 19 36.8–.70 43.71N 105.37W 0 2.9L,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=51.1km s-min=9.9km az=154.0.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=8.7km az=157.0. 66 km [41 miles] S of Gillette. Suspected Mining explosion.
(456) Montana
ISC X 01 20 44 47.7–1.2 45.17N–.07 106.92W–.08 0 9 2-11
ISCJB X 01 20 44 47.0–.79 45.15N–.08 106.9W–.10 0 ¶601996427
NEIC X 01 20 44 48.0–.57 45.17N 106.91W 0 2.5L
IDC X 01 20 44 47.5–1.1 44.86N 106.77W 0 3.7,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.1km s-min=9.7km az=141.5.
NEIC Event type fm. Error ellipse: s-maj=9.9km s-min=7.2km az=144.0. 41 km [26 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.4km s-min=8.9km az=138.0.
(548) Poland
ISC X 02 00 20 11.6–.70 51.61N–.03 16.19E–.02 0 101 1-12
ISCJB X 02 00 20 10.7–.30 51.57N–.02 16.18E–.03 0 ¶601781825
BGR X 02 00 20 14.9–.47 51.45N 16.14E 1 3.2L
IDC X 02 00 20 14.0–.74 51.49N 16.17E 0 3.3,3.3
UPP X 02 00 20 15.5–2.9 51.68N 15.67E 0 1.9L,3.3
VIE X 02 00 20 17.1–.84 51.26N 16.08E 0 3.0L,2.6b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.4km az=165.2.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=11.0.
IDC Error ellipse: s-maj=13.0km s-min=6.7km az=101.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
VIE Event type sr. Error ellipse: s-maj=9.3km s-min=6.3km az=62.0. 67 km WNW of Wroclaw . Suspected Mining induced.
(326) Southwestern Siberia
NNC X 02 10 18 33.7–1.9 53.44N 87.58E 0 3.7b,3.4
KRAR X 02 10 18 29.0–.12 53.50N 87.61E 2.3,3.4 ¶601835640
NNC Event type sm. Error ellipse: s-maj=15.3km s-min=7.4km az=66.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
(548) Poland
ISC X 02 10 43 25.8–.83 50.25N–.05 18.87E–.03 0 31 0-2
ISCJB X 02 10 43 24.6–.69 50.32N–.05 18.81E–.03 0 ¶603767882
IPEC X 02 10 43 25.2–.25 50.36N 18.90E 2–2 2.1L
WAR X 02 10 43 25.6 50.36N 18.92E 1 2.7W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=3.1km az=3.9.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=170.0.
(536) Sweden
ISC X 02 11 11 38.2–.72 64.87N–.02 21.36E–.03 0 90 0-6
ISCJB X 02 11 11 38.0–.32 64.89N–.02 21.49E–.06 0 ¶606635606
NAO X 02 11 11 38.5–.80 64.87N 21.44E 2.7L
IDC X 02 11 11 39.1–.88 64.91N 21.87E 0 2.8,2.8
BER X 02 11 11 40.3–2.0 64.87N 21.42E 0 2.7L,2.8
HEL X 02 11 11 40.0 64.88N 21.36E 0 2.7L,2.8
UPP X 02 11 11 41.7–.10 64.87N 21.34E 28–1 2.6L,2.8
ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=3.8km s-min=2.7km az=22.4.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=7.9km az=93.0.
BER Event type sh. Error ellipse: s-maj=3.4km s-min=10.1km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(536) Sweden
ISC X 02 17 15 25.0–.75 67.08N–.02 20.97E–.02 0 55 0-8
ISCJB X 02 17 15 24.1–.32 67.04N–.02 20.93E–.07 0 **¶601996829**
UPP X 02 17 15 24.7–.10 67.06N 20.94E 0 1.8L
BER X 02 17 15 25.2–1.3 66.84N 21.20E 0 1.3L
HEL X 02 17 15 25.4–.10 67.06N 20.95E 0 2.0L,1.8L
IDC X 02 17 15 26.0–.95 67.05N 21.21E 0 2.9,2.8
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.9km s-min=2.7km az=164.9.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
BER Event type sh. Error ellipse: s-maj=11.0km s-min=22.3km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=19.4km s-min=8.9km az=111.0.

(460) Wyoming
ISC X 02 18 07 33.4–.99 44.11N–.08 105.38W–.06 0 17 1-11
ISCJB X 02 18 07 32.5–.57 44.08N–.06 105.35W–.07 0 **¶601996831**
NEIC X 02 18 07 33.9–.43 44.10N 105.34W 0 3.2L
IDC X 02 18 07 33.0–1.6 44.21N 105.68W 0 3.8,3.5
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.9km s-min=6.8km az=178.5.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=5.5km az=169.0. 25 km [15 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=66.4km s-min=8.5km az=147.0.

(536) Sweden
UPP X 02 23 25 05.5–.00 67.85N 20.21E 0 1.9L
HEL X 02 23 25 05.8 67.84N 20.15E 0 2.0L **¶603995808**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(536) Sweden
UPP X 02 23 25 34.1–.10 67.85N 20.18E 0 2.0L
¶604158468
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(548) Poland
ISC X 03 01 37 44.2–1.3 51.41N–.06 16.08E–.03 0 36 1-4
¶606965050
ISC Event type sr.

(366) Turkey
ISC X 03 07 03 50.2–1.0 38.30N–.06 38.15E–.04 0 12 0-1
ISCJB X 03 07 03 49.6–1.0 38.18N–.07 38.09E–.04 0 **¶602078992**
ISK X 03 07 03 49.5 38.27N 38.06E 20–0 1.5L
DDA X 03 07 03 49.8 38.20N 38.09E 7 2.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=10.5km s-min=4.1km az=18.6.
ISK Event type sm. Suspected Mining explosion.
DDA Event type ke.

(548) Poland
ISC X 03 07 25 09.3–.82 50.04N–.03 19.12E–.02 0 32 0-4
ISCJB X 03 07 25 08.4–.52 50.08N–.03 19.02E–.03 0 **¶601781850**
PRU X 03 07 25 09.1–.00 50.14N 19.09E 0
WAR X 03 07 25 09.7 50.09N 19.15E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.6km s-min=3.1km az=6.4.
PRU Event type ki.

(366) Turkey
ISC X 03 13 45 10.3–.95 37.27N–.03 28.22E–.03 0 22 0-1
ISCJB X 03 13 45 10.9–.48 37.25N–.03 28.21E–.04 0 **¶602079023**
ISK X 03 13 45 10.7 37.22N 28.17E 5–0 2.0L
DDA X 03 13 45 11.0 37.25N 28.22E 7 2.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.4km az=137.6.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(713) Central Kazakhstan
ISC X 03 15 28 08.3–.56 42.95N–.03 69.79E–.03 0 3.8b 215 1-39
ISCJB X 03 15 28 06.1–.28 43.01N–.02 69.72E–.02 0 3.6b **¶601829112**
SOME X 03 15 28 07.6 42.95N 69.97E 5 3.6b
KRNET X 03 15 28 08.9–.10 42.88N 69.94E 17 3.9b
NNC X 03 15 28 08.7–.26 42.95N 69.89E 5–1 4.2b,3.9
IDC X 03 15 28 08.1–1.4 42.94N 69.91E 0 3.9,3.8
NEIC X 03 15 28 09.1–1.2 43.02N 69.86E 7–9 4.1b,3.8
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=2.7km s-min=2.3km az=175.4.
NNC Event type sm. Error ellipse: s-maj=2.5km s-min=1.7km az=138.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.3km s-min=9.9km az=173.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.7km az=145.0.

(548) Poland
PRU X 03 16 05 55.2–.00 50.23N 19.29E 0
¶601781860
PRU Event type ki.

(460) Wyoming
ISC X 03 18 11 06.1–.80 43.82N–.06 105.33W–.06 0 22 1-90
ISCJB X 03 18 11 05.1–.51 43.80N–.06 105.32W–.06 0 4.0b,3.2s **¶601996967**
NEIC X 03 18 11 06.7–.52 43.82N 105.29W 0 3.3L,3.2s
IDC X 03 18 11 07.5–.96 44.03N 105.68W 0 4.0b,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.2km s-min=6.4km az=159.8.
NEIC Event type fm. Error ellipse: s-maj=8.9km s-min=6.9km az=158.0. 57 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=8.2km az=147.0.

(723) Finland-Karelia border region
ISC X 04 09 00 01.1–1.0 64.73N–.03 30.79E–.06 0 42 1-10
ISCJB X 04 08 59 58.1–.51 64.64N–.03 30.33E–.09 0 **¶601781457**
HEL X 04 09 00 00.1–.10 64.73N 30.59E 0 1.9L
IDC X 04 09 00 01.9–2.5 64.65N 30.73E 0 2.8,2.8
UPP X 04 09 00 01.6–3.1 64.50N 30.65E 0 1.7L,2.8
KOLA X 04 09 00 01.6 64.66N 30.68E 0 1.7L,2.8
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.9km s-min=3.5km az=15.2.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=4.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=34.4km s-min=8.7km az=100.0.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
KOLA Event type km.

(724) Baltic States-Belarus-Northwestern Russia
ISC X 05 07 18 55.5–1.6 67.59N–.05 34.38E–.09 0 33 0-12
ISCJB X 05 07 18 54.9–1.2 67.55N–.06 34.3E–.20 0 **¶606635611**
HEL X 05 07 18 57.2–.30 67.64N 34.29E 0 2.2L
KOLA X 05 07 18 59.1 67.67N 34.08E 0 2.2L
NAO X 05 07 19 00.7–1.9 67.65N 33.65E 2.6L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=9.2km s-min=8.4km az=27.4.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0. Explosion.
KOLA Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(724) Baltic States-Belarus-Northwestern Russia
FIA0 X 05 08 55 21.1 59.16N 27.56E 0 1.0L
LVSN X 05 08 55 49.4–11 59.49N 23.08E 0–436 1.0L **¶604538385**
FIA0 Event type kh. Explosion.
LVSN Error ellipse: s-maj=37.7km s-min=431.7km az=-1.0.

(366) Turkey
ISC X 05 09 03 13.7–.91 37.41N–.04 28.13E–.04 0 21 0-1
ISCJB X 05 09 03 15.9–.47 37.34N–.03 28.04E–.03 0 **¶602079094**
ISK X 05 09 03 15.4 37.33N 28.02E 21–0 2.2L
DDA X 05 09 03 16.1 37.36N 28.03E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=3.5km az=19.4.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(358) Romania
ISC X 05 10 07 11.9–.79 45.16N–.03 23.23E–.03 0 27 1-3
ISCJB X 05 10 07 11.1–.46 45.14N–.02 23.18E–.04 0 **¶602051077**
BUC X 05 10 07 13.4–.44 45.25N 23.23E 14 2.5
BEO X 05 10 07 13.6–.50 45.15N 23.18E 0 1.7L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.1km s-min=3.2km az=32.7.
BUC Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=8.0.
BEO Event type km. Mining explosion.

(546) Austria
VIE X 05 12 44 42.4–1.0 47.31N 11.91E 0 1.3L
¶606767957
VIE Event type sm. Error ellipse: s-maj=10.9km s-min=2.8km az=24.0. 3 km ENE of Ried im Zillertal . Suspected Mining explosion.

(366) Turkey
ISC X 05 14 58 52.1–.88 37.22N–.03 28.21E–.02 0 31 0-1
ISCJB X 05 14 58 51.9–.41 37.19N–.03 28.19E–.03 0 **¶602079125**
ISK X 05 14 58 51.2 37.23N 28.22E 6–0 2.2L
DDA X 05 14 58 52.3 37.21N 28.19E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.0km az=37.7.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey
ISC X 06 09 17 17.0–.84 37.25N–.03 28.14E–.03 0 29 0-1
ISCJB X 06 09 17 17.6–.39 37.24N–.02 28.20E–.03 0 **¶602079179**
DDA X 06 09 17 17.8 37.24N 28.20E 7 2.9L
ISK X 06 09 17 17.1 37.23N 28.19E 9–0 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.7km s-min=3.0km az=34.5.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey
ISC X 06 14 11 10.0–1.0 37.44N–.03 28.09E–.03 0 19 0-1
DDA X 06 14 11 09.8 37.43N 28.07E 7 2.7L **¶602079189**
ISK X 06 14 11 09.3 37.44N 28.07E 11–1 2.1L
ISCJB X 06 14 11 10.0–.48 37.43N–.03 28.09E–.03 0 2.1L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(330) Lake Issyk-Kul region
ISC X 07 09 52 33.3–1.0 42.55N–.05 75.71E–.04 0 21 0-4
ISCJB X 07 09 52 35.6–.60 42.69N–.03 75.69E–.04 0 **¶601839747**
KNET X 07 09 52 35.2–.26 42.70N 75.68E 19–3 1.5L
SOME X 07 09 52 35.0 42.67N 75.68E 1.5L
NNC X 07 09 52 35.3–.49 42.66N 75.68E 0 2.9b,2.6
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=4.3km az=161.9.
KNET Error ellipse: s-maj=2.3km s-min=1.2km az=61.0.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=2.9km s-min=2.3km az=144.0. Suspected Mining explosion.

(548) Poland
ISC X 07 18 21 57.2–.90 51.51N–.04 16.06E–.02 0 60 1-4
IPEC X 07 18 21 57.3–.40 51.50N 16.18E 2–2 2.2L **¶601795092**
ISCJB X 07 18 21 58.1–.62 51.33N–.03 16.04E–.03 0 2.2L
PRU X 07 18 21 59.3–.00 51.42N 16.06E 0 2.2L
VIE X 07 18 22 00.7–.96 51.27N 15.94E 0 2.8L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=4.1km s-min=1.8km az=58.0.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.6km az=12.8.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=5.9km az=164.0. 77 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden
UPP X 07 23 20 28.7–.30 67.85N 20.21E 1–3 1.8L
HEL X 07 23 20 28.6 67.81N 20.11E 0 2.0L **¶603996001**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(536) Sweden
UPP X 07 23 20 38.4–.50 67.86N 20.21E 0–3 1.9L
¶604158495
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(460) Wyoming
ISC X 07 23 37 28.6–.99 43.71N–.05 105.15W–.05 0 16 1-9
ISCJB X 07 23 37 26.7–.76 43.74N–.05 105.01W–.07 0 **¶601997432**
IDC X 07 23 37 26.1–2.5 43.30N 105.26W 0 3.6,3.4
NEIC X 07 23 37 29.3–.67 43.68N 105.24W 0 3.1L,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.0km s-min=6.4km az=139.1.
IDC Error ellipse: s-maj=52.3km s-min=9.7km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=11.6km s-min=8.3km az=167.0. 71 km [44 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey
ISC X 08 06 36 04.0–.98 37.26N–.03 28.23E–.03 0 22 0-1
ISK X 08 06 36 03.9 37.23N 28.19E 6–4 1.7L **¶602079274**
ISCJB X 08 06 36 04.2–.48 37.26N–.03 28.20E–.03 0 1.7L
DDA X 08 06 36 04.3 37.23N 28.19E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.8km s-min=3.2km az=31.5.
DDA Event type sm. Suspected Mining explosion.

(548) Poland
ISC X 08 12 30 26.5–1.1 50.37N–.07 18.83E–.03 0 24 0-4
ISCJB X 08 12 30 25.8–.88 50.37N–.06 18.81E–.03 0 **¶601826258**
PRU X 08 12 30 27.3–.00 50.36N 18.85E 0
WAR X 08 12 30 27.3 50.36N 18.92E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.7km s-min=3.0km az=7.7.
PRU Event type ki.

(543) Germany
VIE X 08 14 07 23.9–.89 49.32N 11.68E 0 2.5L,2.0b
¶604496838
VIE Event type sm. Error ellipse: s-maj=7.8km s-min=6.2km az=37.0. 45 km ESE of Nuremberg . Suspected Mining explosion.

(366) Turkey
ISC X 08 14 42 51.9–1.1 37.22N–.03 28.21E–.03 0 19 0-1
DDA X 08 14 42 51.0 37.20N 28.19E 7 2.5L **¶602079307**
ISCJB X 08 14 42 51.6–.48 37.23N–.03 28.20E–.03 0 2.5L
ISK X 08 14 42 51.6 37.21N 28.19E 7–3 2.0L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=3.2km az=32.7.
ISK Event type ke.

(366) Turkey
ISC X 09 09 17 05.5–.88 37.24N–.04 28.20E–.03 0 18 0-1
ISK X 09 09 17 05.7 37.18N 28.18E 10–0 2.0L **¶602079346**
ISCJB X 09 09 17 06.2–.52 37.25N–.03 28.21E–.03 0 2.0L
DDA X 09 09 17 07.0 37.27N 28.21E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=3.6km az=24.5.
DDA Event type sm. Suspected Mining explosion.

(548) Poland
ISC X 09 09 47 14.5–.75 51.60N–.03 16.19E–.02 0 71 1-19
ISCJB X 09 09 47 14.7–.51 51.49N–.03 16.20E–.03 0 **¶601826275**
IDC X 09 09 47 17.0–.73 51.50N 15.96E 0 3.6,3.6
PRU X 09 09 47 17.0–.00 51.52N 16.18E 0 3.6,3.6
VIE X 09 09 47 19.3–.75 51.28N 16.28E 0 3.3L,2.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.8km s-min=2.5km az=13.0.
IDC Error ellipse: s-maj=13.5km s-min=6.7km az=112.0.
PRU Event type ki.

VIE Event type sr. Error ellipse: s-maj=8.4km s-min=5.9km az=94.0. 55 km WNW of Wroclaw . Suspected Mining induced.

(723) Finland-Karelia border region

HEL	**X**	**09 12 50 01.8–.00**	**60.58N**	**27.21E**	**0**			**¶604538532**

HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.

(366) Turkey

ISC	**X**	**09 15 13 35.9–1.4**	**37.41N–.05**	**28.15E–.07**	**0**		**13**	**0-1**
ISCJB	X	09 15 13 38.1–.86	37.34N–.04	28.08E–.06	0			**¶602079354**
DDA	X	09 15 13 38.2	37.35N	28.04E	7	2.6L		
ISK	X	09 15 13 38.1	37.30N	28.00E	5–0	2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.6km s-min=5.2km az=145.6.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

NNC	**X**	**10 08 07 00.3–4.4**	**53.66N**	**88.31E**	**0**	**3.6b,3.2**		**¶601843855**

NNC Event type sm. Error ellipse: s-maj=34.8km s-min=19.3km az=57.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**10 09 21 42.5–1.5**	**64.73N–.05**	**31.6E–.10**	**0**		**22**	**3-10**
KOLA	X	10 09 21 46.5	64.61N	31.21E	0			**¶601826711**
IDC	X	10 09 21 46.6–2.7	64.66N	31.02E	0	3.1,2.9		
NAO	X	10 09 21 48.1–1.9	64.80N	30.24E		2.4L,2.9		
BER	X	10 09 21 49.0–2.4	64.74N	30.16E	0	2.4L,2.9		

ISC Event type km.
KOLA Event type km.
IDC Error ellipse: s-maj=38.5km s-min=8.9km az=103.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Event type sh. Error ellipse: s-maj=8.4km s-min=69.1km az=-1.0. Suspected explosion.

(721) Finland

ISC	**X**	**10 10 44 46.1–.90**	**63.03N–.03**	**27.67E–.04**	**0**		**43**	**1-8**
ISCJB	X	10 10 44 43.5–.39	63.13N–.02	27.83E–.06	0			**¶601997745**
IDC	X	10 10 44 45.3–1.4	63.07N	27.92E	0	3.1,3.0		
HEL	X	10 10 44 46.0–.10	63.12N	27.74E	0	2.0L,3.0		
UPP	X	10 10 44 47.4–2.6	63.03N	27.58E	0	1.6L,3.0		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.0km s-min=2.8km az=7.0.
IDC Error ellipse: s-maj=18.9km s-min=5.7km az=104.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.5km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.

(713) Central Kazakhstan

ISC	**X**	**10 11 03 30.0–3.8**	**43.9N–.10**	**70.0E–.10**	**0**		**13**	**1-4**
SOME	X	10 11 03 29.1	43.65N	69.62E				**¶601843869**
NNC	X	10 11 03 30.6–2.5	43.60N	69.60E	0	3.5b,3.0		
KRNET	X	10 11 03 31.1–.10	42.39N	68.89E		3.1b,3.0		

ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=13.2km s-min=9.0km az=122.0. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**10 15 05 54.7–1.4**	**40.69N–.08**	**41.15E–.06**	**0**		**13**	**1-1**
ISCJB	X	10 15 05 53.6–.91	40.60N–.06	41.24E–.06	0			**¶603001466**
DDA	X	10 15 05 54.0	40.67N	41.17E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.8km s-min=3.9km az=146.2.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**10 18 06 09.9–1.5**	**43.87N–.07**	**105.21W–.07**	**0**		**9**	**1-9**
ISCJB	X	10 18 06 09.3–.68	43.89N–.07	105.19W–.09	0			**¶601997793**
IDC	X	10 18 06 09.5–2.3	43.72N	105.39W	0	3.6,3.5		
NEIC	X	10 18 06 10.6–.71	43.86N	105.19W	0	3.1L,3.5		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=9.6km s-min=9.4km az=142.8.
IDC Error ellipse: s-maj=59.6km s-min=9.4km az=151.0.
NEIC Event type fm. Error ellipse: s-maj=10.8km s-min=10.3km az=126.0. 54 km [34 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**X**	**10 19 55 05.7–.59**	**51.53N–.03**	**16.18E–.02**	**0**		**171**	**1-19**
ISCJB	X	10 19 55 05.2–.26	51.48N–.01	16.21E–.02	0			**¶601826302**
LDG	X	10 19 55 07.8–.39	51.37N	16.38E	1	3.3L		
IDC	X	10 19 55 08.4–.64	51.45N	16.09E	0	3.3,3.2		
PRU	X	10 19 55 08.6–.00	51.44N	16.19E	0	3.3,3.2		
BGR	X	10 19 55 09.0–.35	51.42N	16.18E	1	3.1L,3.2		
VIE	X	10 19 55 09.0	51.41N	16.14E	0	3.0L,3.2		
UPP	X	10 19 55 12.8–2.6	51.73N	15.59E	5	2.3L,3.2		
WAR	X	10 19 55 42.3	51.02N	15.79E	1	2.7W,3.2		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.2km s-min=1.9km az=32.9.
LDG Event type sr. Error ellipse: s-maj=10.0km s-min=3.3km az=11.0. Suspected Mining induced.
IDC Error ellipse: s-maj=12.5km s-min=6.1km az=102.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=15.0.
VIE Event type sr. 70 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(548) Poland

ISC	**X**	**10 20 25 30.7–.65**	**51.54N–.03**	**16.17E–.02**	**0**		**115**	**1-19**
ISCJB	X	10 20 25 29.6–.35	51.50N–.02	16.22E–.03	0			**¶601826306**
LDG	X	10 20 25 29.4–.26	51.67N	16.44E	1	3.3L		
PRU	X	10 20 25 34.1–.00	51.43N	16.24E	0	3.3L		
IDC	X	10 20 25 34.1–.67	51.47N	16.05E	0	3.3,3.2		
VIE	X	10 20 25 37.2	51.21N	15.96E	0	2.8L,3.2		
WAR	X	10 20 26 14.8	51.02N	15.79E	1	2.7W,3.2		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.5km az=39.1.
LDG Event type sr. Error ellipse: s-maj=7.6km s-min=2.0km az=5.0. Suspected Mining induced.
PRU Event type ki.
IDC Error ellipse: s-maj=12.9km s-min=6.7km az=103.0.
VIE Event type sr. 74 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**X**	**10 21 12 01.8–.86**	**37.07N–.03**	**28.97E–.03**	**0**		**25**	**0-1**
DDA	X	10 21 12 00.9	37.04N	28.96E	7	2.5L		**¶602079407**
ISCJB	X	10 21 12 01.8–.44	37.05N–.03	28.92E–.03	0	2.5L		
ISK	X	10 21 12 02.1	37.01N	28.89E	10–0	1.7L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=3.7km s-min=3.6km az=25.4.
ISK Event type ke.

(592) South Australia

ISC	**X**	**11 01 02 25.2–.87**	**30.34S–.07**	**138.38E–.05**	**0**		**15**	**3-17**
ISCJB	X	11 01 02 23.0–.58	30.27S–.05	138.37E–.06	0			**¶601881219**
IDC	X	11 01 02 25.3–2.8	30.40S	138.21E	0	3.3,3.3		
AUST	X	11 01 02 27.4–.02	30.41S	138.39E	10	3.3,3.3		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.7km s-min=5.3km az=145.2.
IDC Error ellipse: s-maj=66.5km s-min=18.3km az=43.0.
AUST Event type km. Error ellipse: s-maj=0.5km s-min=0.2km az=346.0. Mining explosion.

(369) Dodecanese Islands

ISC	**X**	**11 06 15 14.0–1.4**	**36.48N–.03**	**27.67E–.04**	**72–8**		**47**	**0-3**
ATH	X	11 06 15 13.1	36.44N	27.61E	78–9	2.9L		**¶602079473**
THE	X	11 06 15 14.7	36.45N	27.64E	81–2	2.9L		
ISK	X	11 06 15 15.1	36.46N	27.67E	56–1	2.6L		
DDA	X	11 06 15 18.0	36.70N	28.03E	7	2.8L		

ISC Event type se.
ATH Event type ke. Error ellipse: s-maj=10.2km s-min=2.3km az=111.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=238.0.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**11 09 22 09.5–.87**	**39.67N–.03**	**29.45E–.03**	**0**		**19**	**0-2**
ISK	X	11 09 22 08.7	39.66N	29.48E	5–0	1.9L		**¶602079483**
ISCJB	X	11 09 22 09.6–.49	39.67N–.03	29.47E–.04	0	1.9L		
DDA	X	11 09 22 09.5	39.70N	29.44E	7	2.7L		

ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=4.1km az=40.1.
DDA Event type sm. Suspected Mining explosion.

(713) Central Kazakhstan

NNC	**X**	**11 09 40 49.5–.31**	**50.72N**	**73.80E**	**0**	**3.6b,3.3**		**¶601846720**

NNC Event type sm. Error ellipse: s-maj=4.1km s-min=2.5km az=37.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**11 10 07 32.3–2.1**	**67.64N–.05**	**34.1E–.10**	**0**		**32**	**0-7**
HEL	X	11 10 07 32.8–.80	67.64N	34.15E	0	2.1L		**¶606635616**
NAO	X	11 10 07 33.8–3.2	67.65N	33.84E		2.5L		
KOLA	X	11 10 07 33.7	67.68N	34.04E		1.9		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=3.2km s-min=12.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(366) Turkey

ISC	**X**	**11 11 47 01.9–.98**	**37.06N–.04**	**27.93E–.03**	**0**		**18**	**0-1**
ISCJB	X	11 11 47 03.8–.55	37.14N–.04	27.91E–.03	0			**¶602079490**
ISK	X	11 11 47 03.1	37.14N	27.91E	24–0	2.0L		
DDA	X	11 11 47 04.4	37.18N	27.87E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=3.6km az=178.6.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**X**	**11 14 04 10.8–.71**	**51.57N–.03**	**16.14E–.02**	**0**		**88**	**1-12**
ISCJB	X	11 14 04 10.8–.44	51.50N–.02	16.14E–.02	0			**¶601826731**
IDC	X	11 14 04 12.6–1.0	51.43N	15.64E	0	3.4,3.4		
PRU	X	11 14 04 13.6–.00	51.51N	16.10E	0	3.4,3.4		
BGR	X	11 14 04 14.7–.48	51.46N	16.10E	1	3.2L,3.4		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.4km s-min=2.1km az=16.3.
IDC Error ellipse: s-maj=14.7km s-min=9.3km az=104.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=19.0.

(326) Southwestern Siberia

ISC	**X**	**12 08 39 01.0–4.1**	**53.7N–.10**	**88.4E–.20**	**0**		**10**	**2-8**
NNC	X	12 08 39 02.5–2.0	53.62N	88.20E	0	3.7b,3.4		**¶601848477**
KRAR	X	12 08 39 03.6–.33	53.80N	88.22E		2.8,3.4		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.3km s-min=10.0km az=61.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(366) Turkey

ISC	**X**	**12 08 47 51.0–1.1**	**37.33N–.03**	**28.05E–.04**	**0**		**18**	**0-1**
ISCJB	X	12 08 47 50.8–.64	37.36N–.03	28.10E–.05	0			**¶602079534**
ISK	X	12 08 47 50.3	37.29N	28.02E	25–0	2.1L		
DDA	X	12 08 47 52.2	37.39N	28.00E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=3.9km az=137.8.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**12 08 49 58.0–.81**	**37.23N–.03**	**28.13E–.03**	**0**		**30**	**0-2**
ISCJB	X	12 08 49 58.8–.40	37.23N–.03	28.20E–.03	0			**¶602079535**
DDA	X	12 08 49 58.8	37.23N	28.20E	7	2.6L		
ISK	X	12 08 49 58.4	37.22N	28.20E	5–0	2.4L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.1km s-min=3.1km az=40.1.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(548) Poland

ISC	**X**	**12 13 24 37.7–.82**	**50.11N–.04**	**19.28E–.02**	**0**		**31**	**0-3**
ISCJB	X	12 13 24 36.3–.63	50.21N–.04	19.19E–.03	0			**¶601834364**
PRU	X	12 13 24 38.1–.00	50.20N	19.24E	0			
WAR	X	12 13 24 38.4	50.18N	19.34E	1	2.6W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.8km az=17.0.
PRU Event type ki.

(366) Turkey

ISC	**X**	**13 08 42 25.2–1.1**	**37.19N–.06**	**28.14E–.06**	**0**		**14**	**0-1**
ISK	X	13 08 42 24.8	37.23N	28.21E	7–0	1.8L		**¶602079595**
ISCJB	X	13 08 42 25.0–.67	37.24N–.04	28.22E–.06	0	1.8L		
DDA	X	13 08 42 25.2	37.24N	28.21E	7	2.6L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=8.1km s-min=3.7km az=137.3.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**13 14 16 39.4–.90**	**37.26N–.03**	**28.20E–.03**	**0**		**23**	**0-2**
ISCJB	X	13 14 16 39.8–.44	37.23N–.03	28.19E–.04	0			**¶602079617**
ISK	X	13 14 16 39.8	37.22N	28.17E	7–0	1.9L		
DDA	X	13 14 16 40.1	37.23N	28.19E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=3.4km az=136.1.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**13 15 10 15.6–.93**	**39.85N–.03**	**30.00E–.03**	**0**		**18**	**0-2**
DDA	X	13 15 10 15.7	39.86N	30.03E	7	2.7L		**¶602079620**
ISCJB	X	13 15 10 16.1–.47	39.88N–.04	30.02E–.04	0	2.7L		
ISK	X	13 15 10 16.5	39.88N	29.99E	4–0	1.9L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.6km s-min=4.4km az=142.0.
ISK Event type ke.

(548) Poland

ISC	**X**	**13 15 52 39.3–1.2**	**51.57N–.06**	**16.00E–.03**	**0**		**42**	**1-4**
ISCJB	X	13 15 52 38.4–.72	51.51N–.03	16.02E–.03	0			**¶601834383**
PRU	X	13 15 52 40.3–.00	51.55N	16.00E	0			
VIE	X	13 15 52 42.9–.95	51.31N	15.96E	0	2.5L,2.3b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.0km s-min=2.8km az=15.8.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.9km s-min=7.3km az=49.0. 76 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**X**	**13 17 06 55.8–.80**	**50.08N–.02**	**19.09E–.02**	**0**		**57**	**0-4**
ISCJB	X	13 17 06 54.2–.50	50.16N–.03	19.03E–.03	0			**¶601834384**
IPEC	X	13 17 06 55.4–.19	50.18N	19.11E	1–1	2.2L		
PRU	X	13 17 06 55.7–.00	50.15N	19.07E	0	2.2L		
WAR	X	13 17 06 56.2	50.09N	19.15E	1	2.7W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.5km az=20.6.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.
PRU Event type ki.

(460) Wyoming

ISC	**X**	**13 18 08 38.9–1.1**	**43.82N–.08**	**105.29W–.08**	**0**		**13**	**1-11**
ISCJB	X	13 18 08 37.5–.59	43.83N–.07	105.30W–.08	0			**¶601998144**
IDC	X	13 18 08 38.4–1.8	43.63N	105.41W	0	3.8,3.5		
NEIC	X	13 18 08 38.6–.78	43.77N	105.21W	0	3.3L,3.5		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=11.0km s-min=7.0km az=147.8.
IDC Error ellipse: s-maj=48.9km s-min=9.0km az=151.0.
NEIC Event type fm. Error ellipse: s-maj=15.9km s-min=9.3km az=151.0. 63 km [39 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**13 20 06 30.8–1.1**	**43.83N–.06**	**105.18W–.06**	**0**		**14**	**1-11**
ISCJB	X	13 20 06 31.9–.78	43.81N–.09	105.22W–.09	0			**¶601998149**
IDC	X	13 20 06 31.5–1.7	43.87N	105.32W	0	3.5,3.2		
NEIC	X	13 20 06 33.5–.87	43.92N	105.23W	0	3.0L,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=13.3km s-min=8.7km az=164.2.
IDC Error ellipse: s-maj=51.9km s-min=9.0km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=14.6km s-min=10.3km az=172.0. 47 km [29 miles] SSE of Gillette. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC	**X**	**14 07 55 43.7–1.1**	**42.67N–.04**	**75.66E–.04**	**0**		**15**	**0-4**
NNC	X	14 07 55 43.2–2.3	42.64N	75.71E	0	2.9b,2.4		**¶601853241**
KNET	X	14 07 55 43.8–.49	42.71N	75.66E	16–6	1.2L,2.4		
ISCJB	X	14 07 55 44.1–.92	42.67N–.05	75.67E–.08	0	1.2L,2.4		
SOME	X	14 07 55 44.3	42.67N	75.63E		1.2L,2.4		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.0km s-min=10.5km az=138.0. Suspected Mining explosion.
KNET Error ellipse: s-maj=7.3km s-min=2.3km az=51.0.
ISCJB Event type sm. Error ellipse: s-maj=8.1km s-min=6.5km az=179.4.
SOME Event type kx.

(366) Turkey

ISC	**X**	**14 14 45 07.6–.84**	**37.25N–.03**	**28.17E–.03**	**0**		**29**	**0-1**
ISCJB	X	14 14 45 07.8–.41	37.25N–.03	28.20E–.03	0			**¶602079663**
DDA	X	14 14 45 07.9	37.23N	28.22E	7	2.7		
ISK	X	14 14 45 07.7	37.24N	28.21E	4–0	2.1L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.7km s-min=3.0km az=13.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**X**	**14 14 53 15.8–.80**	**37.28N–.03**	**28.20E–.02**	**0**		**32**	**0-2**
ISK	X	14 14 53 16.9	37.20N	28.19E	6–0	2.3L		**¶602079664**
ISCJB	X	14 14 53 17.1–.38	37.23N–.02	28.20E–.03	0	2.3L		
DDA	X	14 14 53 17.1	37.25N	28.19E	11	3.0		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=3.5km s-min=2.9km az=18.2.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**14 15 03 57.1–1.0**	**37.41N–.04**	**28.14E–.04**	**0**		**16**	**0-1**
ISCJB	X	14 15 03 59.1–.59	37.34N–.03	28.09E–.04	0			**¶602079666**
ISK	X	14 15 03 59.5	37.33N	28.01E	4–2	1.4L		
DDA	X	14 15 03 59.2	37.34N	28.05E	7	2.6L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=4.0km az=41.4.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(369) Dodecanese Islands

ISC	**X**	**14 17 51 27.7–1.2**	**36.88N–.03**	**28.99E–.02**	**0–11**		**40**	**0-2**
DDA	X	14 17 51 27.9	36.90N	28.95E	7	2.5L		**¶602079671**
ISK	X	14 17 51 27.2	36.86N	28.94E	5–0	2.0L		

ISC Event type se.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(369) Dodecanese Islands

ISC	**X**	**14 22 38 07.3–.00**	**36.96N–.03**	**28.36E–.02**	**9–9**		**33**	**0-1**
ISK	X	14 22 38 06.6	36.96N	28.35E	4–0	1.7L		**¶602079680**
DDA	X	14 22 38 07.2	36.95N	28.35E	7	2.5L		

ISC Event type ke.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(367) Turkey-Georgia-Armenia border region

ISC	**X**	**15 18 34 52.7–.91**	**41.01N–.04**	**42.13E–.04**	**0**		**23**	**0-2**
ISK	X	15 18 34 52.7	41.07N	42.12E	8–0	2.5L		**¶602079722**
ISCJB	X	15 18 34 53.5–.51	41.02N–.03	42.07E–.04	0	2.5L		
DDA	X	15 18 34 53.7	41.03N	42.02E	10	2.7L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.8km s-min=3.4km az=141.0.
DDA Event type sm. Suspected Mining explosion.

(367) Turkey-Georgia-Armenia border region

ISC	**X**	**15 20 20 15.1–1.0**	**43.32N–.04**	**41.33E–.03**	**11–10**		**23**	**0-2**
MOS	X	15 20 20 14.5–.00	43.31N	41.36E	0–0	3.2		**¶605667135**
MOS	X	15 20 20 14.5–.53	43.32N	41.36E		1.6		
DDA	X	15 20 20 46.0	41.42N	42.31E	7	1.6L		

ISC Event type se.
MOS Event type se.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**16 09 38 04.9–.90**	**39.69N–.04**	**29.41E–.04**	**0**		**17**	**0-1**
ISCJB	X	16 09 38 05.3–.49	39.64N–.03	29.41E–.05	0			**¶602079811**
DDA	X	16 09 38 05.0	39.66N	29.42E	7	2.5L		
ISK	X	16 09 38 05.4	39.64N	29.46E	13–0	2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=3.8km az=11.7.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.

(536) Sweden

ISC	**X**	**16 17 03 26.2–.73**	**67.07N–.02**	**20.91E–.03**	**0**		**86**	**1-8**
ISCJB	X	16 17 03 25.3–.31	67.06N–.02	20.98E–.06	0			**¶601840809**
UPP	X	16 17 03 26.0–.10	67.06N	20.94E	0	2.0L		
HEL	X	16 17 03 26.7–.10	67.07N	20.96E	0	2.2L,2.0L		
NAO	X	16 17 03 26.6–.90	67.09N	21.35E		2.4L,2.0L		
IDC	X	16 17 03 27.4–1.1	67.09N	21.21E	0	2.9,2.8		
BER	X	16 17 03 29.3–3.0	67.09N	20.90E	0	2.4L,1.7L		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.4km s-min=2.5km az=174.8.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=20.4km s-min=9.5km az=107.0.
BER Event type sh. Error ellipse: s-maj=5.7km s-min=24.0km az=-1.0. Suspected explosion.

(721) Finland

HEL	**X**	**16 18 56 15.4–.10**	**63.67N**	**26.17E**	**0**	**1.2L**		**¶604538817**

HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.3km az=-1.0. Explosion.

(536) Sweden

HEL	**X**	**16 18 58 29.0–.10**	**67.84N**	**20.20E**	**0**	**1.8L,1.7L**		
UPP	X	16 18 58 28.6–.00	67.84N	20.18E	0	1.7L,1.7L		**¶603996390**

HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(366) Turkey

ISC	**X**	**17 08 48 00.6–1.3**	**37.23N–.03**	**28.21E–.03**	**0**		**17**	**0-1**
ISCJB	X	17 08 47 60.0–.49	37.22N–.03	28.20E–.04	0			**¶602079894**
DDA	X	17 08 47 59.9	37.20N	28.20E	8	2.9L		
ISK	X	17 08 47 59.2	37.25N	28.24E	10–1	2.4L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.3km s-min=3.8km az=35.5.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(713) Central Kazakhstan

KRNET	**X**	**17 09 44 43.0–.10**	**41.06N**	**69.56E**		**2.6b**		
SOME	X	17 09 44 46.1	43.75N	69.45E		2.6b		**¶604823707**
NNC	X	17 09 44 48.0–2.7	43.75N	69.69E	0	3.4b,2.7		

SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=17.2km s-min=13.9km az=87.0. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**17 09 58 07.5–.83**	**37.26N–.03**	**28.22E–.03**	**0**		**30**	**0-2**
ISCJB	X	17 09 58 07.7–.41	37.24N–.03	28.21E–.03	0			**¶602079899**
DDA	X	17 09 58 07.7	37.23N	28.24E	7	2.5L		
ISK	X	17 09 58 07.6	37.24N	28.18E	6–0	2.1L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.1km az=36.0.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**X**	**17 14 36 18.6–1.1**	**37.22N–.04**	**28.20E–.03**	**0**		**17**	**0-1**
ISK	X	17 14 36 17.8	37.23N	28.18E	3–0	2.0L		**¶602079910**
ISCJB	X	17 14 36 18.6–.49	37.22N–.03	28.20E–.03	0	2.0L		
DDA	X	17 14 36 18.1	37.20N	28.19E	7	2.7L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.2km s-min=3.4km az=30.7.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**17 18 20 04.4–.99**	**43.74N–.07**	**105.21W–.07**	**0**		**18**	**1-61**
ISCJB	X	17 18 20 03.4–.51	43.73N–.05	105.22W–.07	0	4.2b		**¶601998694**
IDC	X	17 18 20 03.4–2.4	43.57N	105.39W	0	4.0b,3.9		
NEIC	X	17 18 20 05.2–.38	43.70N	105.23W	0	3.5L,3.9		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.1km s-min=6.7km az=156.7.
IDC Error ellipse: s-maj=57.4km s-min=8.2km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=6.4km s-min=5.1km az=155.0. 69 km [43 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**18 06 43 38.3–1.1**	**37.26N–.04**	**28.14E–.04**	**0**		**15**	**0-2**
DDA	X	18 06 43 37.9	37.16N	28.08E	7	2.6L		**¶602079957**
ISK	X	18 06 43 38.2	37.24N	28.19E	5–0	2.4L		
ISCJB	X	18 06 43 39.2–.56	37.25N–.04	28.19E–.04	0	2.4L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(723) Finland-Karelia border region

ISC	**X**	**18 09 00 15.2–.98**	**64.70N–.03**	**30.71E–.05**	**0**		**70**	**1-10**
UPP	X	18 09 00 12.5–2.7	64.41N	31.00E	0	1.8L		**¶601998781**
ISCJB	X	18 09 00 13.5–.50	64.67N–.02	30.30E–.07	0	1.8L		
HEL	X	18 09 00 13.8–.10	64.73N	30.77E	0	2.1L		
IDC	X	18 09 00 13.4–2.5	64.61N	31.76E	0	3.0,3.0		
MOS	X	18 09 00 15.5	64.69N	30.76E		2.3,3.0		
KOLA	X	18 09 00 16.6	64.70N	30.88E	0	2.3,3.0		
BER	X	18 09 00 17.4–4.9	64.70N	30.24E	0	2.1L,1.6L		
NAO	X	18 09 00 17.4–1.8	64.71N	30.27E		2.1L,1.6L		

ISC Event type km.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
ISCJB Event type km. Error ellipse: s-maj=4.6km s-min=3.1km az=30.2.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=33.1km s-min=10.3km az=103.0.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
KOLA Event type km.
BER Event type sh. Error ellipse: s-maj=11.2km s-min=92.1km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(326) Southwestern Siberia

NNC	**X**	**18 09 43 06.4–2.5**	**53.45N**	**87.67E**	**0**	**3.5b,3.2**		**¶601866959**

NNC Event type sm. Error ellipse: s-maj=19.7km s-min=9.0km az=59.0. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**18 10 05 16.8–1.0**	**37.37N–.06**	**28.27E–.04**	**0**		**20**	**0-1**
ISK	X	18 10 05 17.9	37.25N	28.24E	17–3	2.1L		**¶602079965**
ISCJB	X	18 10 05 18.7–.54	37.24N–.04	28.21E–.05	0	2.1L		
DDA	X	18 10 05 19.2	37.22N	28.16E	7	2.5L		

ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=7.8km s-min=4.0km az=135.1.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**18 14 49 58.5–.90**	**37.25N–.03**	**28.24E–.03**	**0**		**24**	**0-1**
ISCJB	X	18 14 49 58.9–.46	37.25N–.03	28.23E–.03	0			**¶602079978**
ISK	X	18 14 49 58.2	37.24N	28.20E	7–0	2.1L		
DDA	X	18 14 49 59.0	37.24N	28.23E	7	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.1km az=37.3.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(127) Chile-Argentina border region

ISC	**X**	**18 16 18 02.4–.96**	**33.16S–.03**	**70.29W–.03**	**0**		**20**	**0-2**
GUC	X	18 16 18 01.7–.44	33.17S	70.31W	0–2	2.1L		**¶604738390**
ISCJB	X	18 16 18 02.1–.47	33.16S–.03	70.29W–.03	0	2.1L		
SJA	X	18 16 18 02.1–.81	33.09S	70.32W	16–18	2.5W,1.9L		

ISC Event type kh.
GUC Event type kh. Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0. Explosion.
ISCJB Event type kh. Error ellipse: s-maj=4.6km s-min=3.5km az=154.0.
SJA Error ellipse: s-maj=3.6km s-min=2.9km az=-1.0.

(548) Poland

ISC	**X**	**18 21 05 59.5–.82**	**50.12N–.04**	**19.26E–.02**	**0**		**40**	**0-4**
ISCJB	X	18 21 05 58.8–.56	50.19N–.04	19.19E–.03	0			**¶601840817**
PRU	X	18 21 05 59.9–.00	50.23N	19.24E	0			
WAR	X	18 21 06 00.7	50.18N	19.34E	1	2.7W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.2km s-min=2.7km az=17.1.
PRU Event type ki.

(548) Poland

ISC	**X**	**19 00 20 36.9–.62**	**51.56N–.03**	**16.14E–.02**	**0**		**159**	**1-19**
ISCJB	X	19 00 20 36.4–.26	51.50N–.02	16.13E–.02	0			**¶601841767**
IDC	X	19 00 20 39.8–.74	51.49N	15.80E	0	3.5,3.4		
PRU	X	19 00 20 39.4–.00	51.47N	16.09E	0	3.5,3.4		
BGR	X	19 00 20 39.7–.39	51.48N	16.10E	1	3.4L,3.4		
VIE	X	19 00 20 42.1–.99	51.26N	15.94E	0	3.4s,2.9L		
UPP	X	19 00 20 43.4–3.3	51.85N	15.59E	0	2.4L,2.9L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.3km s-min=1.8km az=30.1.
IDC Error ellipse: s-maj=12.9km s-min=7.1km az=99.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=19.0.
VIE Event type sr. Error ellipse: s-maj=7.1km s-min=4.2km az=39.0. 77 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(548) Poland

PRU	**X**	**19 22 00 15.4–.00**	**50.10N**	**19.26E**	**0**			**¶601840835**

PRU Event type ki.

(547) Czech and Slovak Republics

PRU	**X**	**19 22 01 05.0–.00**	**49.83N**	**18.39E**	**0**			
IPEC	X	19 22 01 04.0–.18	49.83N	18.49E	0	1.2L		**¶601840838**

PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.

(548) Poland

ISC	**X**	**20 01 12 26.2–.59**	**50.11N–.02**	**19.07E–.02**	**0**		**142**	**0-54**
ISCJB	X	20 01 12 25.5–.30	50.11N–.02	19.01E–.02	0	3.5b		**¶601840840**
PRU	X	20 01 12 26.8–.00	50.11N	19.07E	0	3.5b		
IDC	X	20 01 12 26.9–.82	49.91N	19.16E	0	3.5,3.5		
IPEC	X	20 01 12 26.9–.11	50.11N	19.10E	1	3.0L,3.5		

WAR X 20 01 12 27.5 50.09N 19.15E 1 3.1W,3.5
BGR X 20 01 12 27.7–.23 50.13N 19.07E 1 3.3L,3.5
VIE X 20 01 12 29.5–.86 49.72N 19.04E 0 2.8L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.9km s-min=2.1km az=18.1.
PRU Event type ki.
IDC Error ellipse: s-maj=16.6km s-min=7.7km az=155.0.
IPEC Event type ki. Error ellipse: s-maj=1.3km s-min=0.7km az=167.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=177.0.
VIE Event type sr. Error ellipse: s-maj=8.2km s-min=5.8km az=174.0. 58 km ESE of Ostrava . Suspected Mining induced.

(548) Poland

ISC X 20 03 45 14.2–.79 51.54N–.03 16.17E–.03 0 58 1-8
ISCJB X 20 03 45 13.0–.35 51.50N–.02 16.16E–.04 0 **¶601840843**
PRU X 20 03 45 16.5–.00 51.46N 16.10E 0
VIE X 20 03 45 19.5–.61 51.19N 16.21E 0 2.6L,2.2b
UPP X 20 03 45 20.6–2.8 51.82N 15.47E 0 1.6L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.5km s-min=2.5km az=166.1.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.2km s-min=4.1km az=107.0. 57 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(366) Turkey

ISC X 20 09 37 36.1–.82 37.24N–.02 28.22E–.03 0 33 0-2
ISCJB X 20 09 37 35.9–.42 37.22N–.03 28.19E–.03 0 **¶602080074**
DDA X 20 09 37 35.6 37.22N 28.19E 7 2.6L
ISK X 20 09 37 35.5 37.24N 28.19E 7–0 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=3.1km az=140.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(536) Sweden

UPP X 20 23 33 19.4–.10 67.85N 20.20E 0 1.6L
HEL X 20 23 33 19.1 67.81N 20.32E 0 1.5L **¶603996619**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(536) Sweden

UPP X 20 23 33 42.6–.20 67.86N 20.19E 0 1.6L
¶604158555
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(548) Poland

ISC X 21 03 22 18.6–.76 50.22N–.03 18.77E–.02 0 62 0-5
ISCJB X 21 03 22 17.3–.40 50.26N–.03 18.71E–.02 0 **¶601840858**
VIE X 21 03 22 18.0–1.4 50.56N 18.35E 0 2.4L,2.1b
WAR X 21 03 22 19.6 50.23N 18.87E 1 2.7W,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.1km az=5.4.
VIE Event type sr. Error ellipse: s-maj=15.7km s-min=10.6km az=128.0. 57 km NW of Katowice . Suspected Mining induced.

(548) Poland

ISC X 21 03 32 28.0–.61 51.58N–.03 16.15E–.02 0 149 1-19
ISCJB X 21 03 32 27.5–.25 51.52N–.01 16.14E–.02 0 **¶601839812**
IDC X 21 03 32 30.6–.61 51.51N 15.99E 0 3.4,3.3
BGR X 21 03 32 30.8–.35 51.50N 16.13E 1 3.4L,3.3
VIE X 21 03 32 32.9–.92 51.27N 16.22E 0 3.2L,2.8b
UPP X 21 03 32 32.6–2.7 51.65N 15.39E 0 2.1L,2.8b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.1km s-min=1.8km az=24.7.
IDC Error ellipse: s-maj=9.8km s-min=5.9km az=106.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=16.0.
VIE Event type sr. Error ellipse: s-maj=8.6km s-min=7.7km az=47.0. 58 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(366) Turkey

ISC X 21 09 38 23.2–.89 37.28N–.03 28.23E–.03 0 25 0-1
ISCJB X 21 09 38 23.9–.42 37.24N–.03 28.22E–.03 0 **¶602080137**
ISK X 21 09 38 23.4 37.24N 28.21E 14–0 2.5L
DDA X 21 09 38 24.1 37.22N 28.23E 7 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=3.3km az=30.8.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC X 21 23 08 06.2–.81 43.85N–.04 105.29W–.04 0 22 1-15
ISCJB X 21 23 08 04.4–.49 43.85N–.03 105.18W–.05 0 **¶601999218**
IDC X 21 23 08 05.7–1.5 43.77N 105.45W 0 3.6,3.3
NEIC X 21 23 08 06.7–.62 43.91N 105.31W 0 2.9L,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=4.2km az=144.4.
IDC Error ellipse: s-maj=39.4km s-min=8.9km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=11.1km s-min=7.0km az=159.0. 46 km [28 miles] SSE of Gillette. Suspected Mining explosion.

(537) Baltic Sea

ISC X 21 23 50 57.3–.67 58.87N–.02 18.76E–.02 0 99 0-11
ISCJB X 21 23 50 56.8–.32 58.88N–.02 18.81E–.04 0 **¶601840561**
UPP X 21 23 50 57.8–.20 58.87N 18.84E 0 1.6L
PRU X 21 23 50 58.5–.00 58.87N 13.46E 0 1.6L
HEL X 21 23 50 58.4–.10 58.87N 18.84E 0 2.5L,1.6L
LVSN X 21 23 51 00.9–3.6 59.03N 19.39E 0–33 2.0L,1.6L
NAO X 21 23 51 00.6–1.3 59.04N 18.71E 2.4L,1.6L
IDC X 21 23 51 00.0–2.5 59.02N 18.72E 0 3.4,3.3
BER X 21 23 51 03.9–4.0 59.03N 18.69E 15–19 2.4L,2.0L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.3km s-min=2.9km az=158.8.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=10.0km s-min=27.0km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=8.3km az=177.0.
BER Error ellipse: s-maj=13.8km s-min=15.8km az=-1.0.

(366) Turkey

ISC X 22 05 20 44.7–.80 39.28N–.03 30.48E–.02 0 30 0-2
ISK X 22 05 20 43.9 39.27N 30.48E 5–0 2.6L **¶602080172**
ISCJB X 22 05 20 44.5–.36 39.29N–.02 30.48E–.03 0 2.6L
DDA X 22 05 20 44.8 39.28N 30.47E 7 2.8L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=3.6km s-min=2.8km az=0.5.
DDA Event type ke.

(366) Turkey

ISC X 22 09 34 54.7–.84 39.93N–.03 33.57E–.03 0 26 1-2
ISCJB X 22 09 34 55.2–.44 39.98N–.02 33.61E–.04 0 **¶602080175**
DDA X 22 09 34 55.4 40.00N 33.58E 7 2.6L
ISK X 22 09 34 55.2 39.98N 33.57E 13–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=3.0km az=7.5.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(536) Sweden

ISC X 22 13 37 42.5–.83 58.12N–.02 17.36E–.03 0 65 1-12
ISCJB X 22 13 37 41.8–.37 58.11N–.03 17.40E–.06 0 **¶601841795**
LVSN X 22 13 37 41.5–6.2 58.33N 17.23E 0–58 2.0L
BER X 22 13 37 41.3–1.5 57.74N 17.38E 0 2.0L
NAO X 22 13 37 41.5–1.3 57.94N 17.31E 2.0L
UPP X 22 13 37 42.4–.10 58.12N 17.36E 0 2.2L
HEL X 22 13 37 43.3–.10 58.11N 17.36E 0 2.2L,2.2L
IDC X 22 13 37 44.8–4.0 58.19N 17.46E 0 3.2,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.6km s-min=3.4km az=32.8.
LVSN Error ellipse: s-maj=27.5km s-min=60.5km az=-1.0.
BER Event type sh. Error ellipse: s-maj=16.4km s-min=10.6km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=53.1km s-min=15.4km az=174.0.

(536) Sweden

ISC X 22 14 04 33.3–.89 58.12N–.03 17.33E–.03 0 39 1-12
LVSN X 22 14 04 30.5–3.9 58.26N 16.90E 0–44 2.0L **¶604029975**
ISCJB X 22 14 04 32.7–.37 58.11N–.03 17.33E–.06 0 2.0L
UPP X 22 14 04 33.2–.10 58.12N 17.35E 0 2.3L
IDC X 22 14 04 39.3–3.0 58.54N 17.34E 0 3.1,3.0
BER X 22 14 04 51.8–.64 58.68N 15.34E 0 1.5L,3.0
ISC Event type sh.
LVSN Error ellipse: s-maj=15.5km s-min=50.2km az=-1.0.
ISCJB Event type sh. Error ellipse: s-maj=4.6km s-min=4.0km az=41.1.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=36.6km s-min=11.4km az=6.0.
BER Event type sh. Error ellipse: s-maj=12.4km s-min=32.6km az=-1.0. Suspected explosion.

(536) Sweden

UPP X 22 23 21 47.9–.00 67.84N 20.21E 0 1.6L
HEL X 22 23 21 47.4 67.88N 20.03E 0 1.9L **¶603996691**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(536) Sweden

UPP X 22 23 22 02.1–.00 67.91N 20.12E 0 2.0L
¶604158562
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(536) Sweden

UPP X 22 23 24 24.1–.10 67.78N 20.33E 0 1.9L
¶604158565
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(536) Sweden

UPP X 22 23 24 13.4–.50 67.83N 20.21E 2–3 2.0L
HEL X 22 23 24 14.6 67.83N 20.31E 0 1.6L **¶603996695**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(548) Poland

ISC X 23 04 23 39.8–.86 50.15N–.04 19.26E–.02 0 32 0-4
ISCJB X 23 04 23 39.2–.64 50.23N–.04 19.22E–.04 0 **¶601846944**
PRU X 23 04 23 40.9–.00 50.20N 19.24E 0
WAR X 23 04 23 41.1 50.18N 19.34E 1 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=3.0km az=16.0.
PRU Event type ki.

(326) Southwestern Siberia

NNC X 23 05 41 47.8–3.7 53.51N 90.26E 0 3.9b,3.6
KRAR X 23 05 41 35.0–.23 53.95N 91.36E 3.0,3.6 **¶601874842**
NNC Event type sm. Error ellipse: s-maj=36.4km s-min=30.4km az=178.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(460) Wyoming

ISC X 23 18 06 54.5–1.1 43.77N–.08 105.25W–.08 0 17 1-14
ISCJB X 23 18 06 52.6–.50 43.78N–.05 105.24W–.06 0 **¶601999396**
NEIC X 23 18 06 54.5–.46 43.75N 105.27W 0 3.3L
IDC X 23 18 06 54.6–1.8 43.83N 105.56W 0 3.8,3.5
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.8km s-min=6.5km az=170.1.
NEIC Event type fm. Error ellipse: s-maj=7.4km s-min=6.3km az=166.0. 63 km [39 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=62.5km s-min=9.6km az=150.0.

(326) Southwestern Siberia

NNC X 24 10 47 38.1–9.2 53.84N 88.25E 0 3.7b,3.4
¶601876315
NNC Event type sm. Error ellipse: s-maj=79.1km s-min=42.3km az=47.0. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC X 24 11 50 53.1–.93 43.89N–.05 77.01E–.04 0 25 1-5
KRNET X 24 11 50 51.3–.10 43.96N 77.06E 21 2.7b **¶601876322**
ISCJB X 24 11 50 52.5–.61 43.98N–.05 77.08E–.05 0 2.7b
SOME X 24 11 50 52.5 43.93N 77.08E 2.7b
ISC Event type kx.
ISCJB Event type kx. Error ellipse: s-maj=8.3km s-min=4.0km az=150.4.
SOME Event type kx.

(548) Poland

ISC X 24 16 24 10.4–.72 50.04N–.02 18.36E–.01 0 128 0-5
ISCJB X 24 16 24 09.2–.31 50.09N–.02 18.33E–.02 0 **¶601846971**
IPEC X 24 16 24 10.8–.12 50.08N 18.44E 1–1 2.7L
WAR X 24 16 24 10.7 50.06N 18.43E 1 3.0W
PRU X 24 16 24 11.4–.00 50.06N 18.38E 0 3.0W
BGR X 24 16 24 11.4–.24 50.08N 18.37E 1 3.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.0km s-min=2.0km az=14.1.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=0.7km az=162.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=3.3km az=13.0.

(548) Poland

ISC X 25 03 40 21.1–.97 50.34N–.05 18.81E–.02 0 38 0-4
ISCJB X 25 03 40 20.0–.67 50.38N–.04 18.81E–.03 0 **¶601857689**
IPEC X 25 03 40 21.2–.24 50.39N 18.89E 0 2.0L
PRU X 25 03 40 21.7–.00 50.37N 18.84E 0 2.0L
WAR X 25 03 40 21.9 50.37N 18.92E 1 2.7W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.7km az=12.2.
IPEC Event type ki. Error ellipse: s-maj=3.2km s-min=1.2km az=163.0.
PRU Event type ki.

(369) Dodecanese Islands

ISC X 25 14 47 19.6–1.3 36.43N–.03 27.68E–.03 74–8 52 0-2
ISK X 25 14 47 18.7 36.46N 27.70E 78–1 2.3L **¶602080316**
THE X 25 14 47 19.9 36.43N 27.73E 80–4 2.8L
ATH X 25 14 47 20.6 36.40N 27.52E 40–6 2.5L
DDA X 25 14 47 26.4 36.88N 28.04E 7 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.2km az=127.0.
ATH Event type ke. Error ellipse: s-maj=7.7km s-min=1.4km az=123.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC X 25 20 04 54.8–1.2 43.79N–.07 105.30W–.07 0 15 1-11
ISCJB X 25 20 04 53.1–.55 43.79N–.06 105.27W–.07 0 **¶601999642**
NEIC X 25 20 04 54.7–.40 43.79N 105.28W 0 3.3L
IDC X 25 20 04 54.2–1.7 43.67N 105.46W 0 3.8,3.5
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.7km s-min=6.7km az=159.6.
NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=5.0km az=158.0. 58 km [36 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=47.2km s-min=8.9km az=150.0.

(548) Poland

ISC X 25 22 45 15.7–.51 51.58N–.02 16.12E–.02 0 3.9b 227 1-42
LDG X 25 22 45 14.5–.29 51.60N 16.24E 1 4.2L **¶601848642**
ISCJB X 25 22 45 14.5–.20 51.53N–.01 16.10E–.02 0 3.7b
IPEC X 25 22 45 16.3–.26 51.56N 16.14E 0 3.6L
IDC X 25 22 45 17.1–.57 51.50N 16.03E 0 3.8,3.8b
BGR X 25 22 45 18.2–.33 51.47N 16.09E 1 3.9L,3.8b
LVSN X 25 22 45 18.6–7.6 51.70N 15.08E 0–999 3.0L,3.8b
UPP X 25 22 45 20.3–2.8 51.77N 15.57E 0 2.3L,3.8b
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=7.1km s-min=4.0km az=4.0. Suspected Mining induced.
ISCJB Event type sr. Error ellipse: s-maj=1.8km s-min=1.7km az=3.7.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=1.5km az=65.0.

IDC Error ellipse: s-maj=9.8km s-min=6.2km az=115.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=15.0.
LVSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(547) Czech and Slovak Republics

ISC	**X**	**26 02 19 59.3–.79**	**49.85N–.03**	**18.49E–.02**	**0**		**56**	**0-4**
ISCJB	X	26 02 19 58.7–.41	49.85N–.03	18.44E–.03	0			**¶601857701**
IPEC	X	26 02 20 00.0–.17	49.85N	18.57E	0	2.1L		
PRU	X	26 02 20 00.4–.00	49.87N	18.47E	0	2.1L		
VIE	X	26 02 20 01.2–.61	49.69N	18.44E	0	2.5L,2.3b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.8km s-min=2.5km az=16.9.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=163.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.5km s-min=2.8km az=69.0. 21 km SE of Ostrava . Suspected Mining induced.

(326) Southwestern Siberia

NNC	**X**	**26 07 53 18.1–2.0**	**54.30N**	**86.58E**	**0**	**3.7b,3.5**		**¶601882337**

NNC Event type sm. Error ellipse: s-maj=31.1km s-min=9.7km az=172.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC	**X**	**26 09 57 04.7–1.9**	**53.46N**	**87.70E**	**0**	**3.6b,3.3**		**¶601882340**

NNC Event type sm. Error ellipse: s-maj=15.6km s-min=7.7km az=66.0. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**26 10 06 06.0–.00**	**36.96N–.04**	**27.67E–.04**	**13**		**17**	**0-1**
ISCJB	X	26 10 06 07.3–.61	37.04N–.04	27.63E–.04	13			**¶602080366**
DDA	X	26 10 06 08.3	37.09N	27.57E	7	2.5L		
ISK	X	26 10 06 08.0	37.09N	27.56E	9–2	1.7L		

ISC Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=4.7km az=149.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(366) Turkey

ISC	**X**	**26 14 23 43.2–.95**	**37.04N–.03**	**27.71E–.04**	**0**		**18**	**0-1**
ISCJB	X	26 14 23 46.0–.57	37.08N–.04	27.55E–.04	0			**¶602080374**
DDA	X	26 14 23 45.5	37.09N	27.54E	7	2.6L		
ISK	X	26 14 23 45.2	37.07N	27.51E	13–2	1.8L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=4.1km az=139.8.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(536) Sweden

UPP	**X**	**26 23 23 37.4–.00**	**67.83N**	**20.20E**	**0**	**1.7L**		
HEL	X	26 23 23 36.5	67.87N	19.99E	0	1.9L		**¶603996867**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(536) Sweden

UPP	**X**	**26 23 24 04.6–.20**	**67.86N**	**20.20E**	**0**	**2.0L**		**¶604158597**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(548) Poland

ISC	**X**	**27 04 06 15.5–.86**	**50.20N–.04**	**19.28E–.02**	**0**		**47**	**0-4**
ISCJB	X	27 04 06 13.7–.58	50.25N–.04	19.20E–.03	0			**¶601857709**
IPEC	X	27 04 06 15.3–.15	50.24N	19.27E	1–1	2.3L		
PRU	X	27 04 06 15.5–.00	50.22N	19.24E	0	2.3L		
VIE	X	27 04 06 16.5–.89	50.06N	19.25E	0	2.5L,2.4b		
WAR	X	27 04 06 16.3	50.18N	19.34E	1	2.9W,2.4b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.3km s-min=2.8km az=17.7.
IPEC Event type ki. Error ellipse: s-maj=2.9km s-min=0.8km az=169.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=12.9km s-min=5.1km az=178.0. 25 km SSE of Sosnowice . Suspected Mining induced.

(329) Eastern Kazakhstan

ISC	**X**	**27 07 27 51.9–.94**	**50.15N–.06**	**79.32E–.07**	**0**		**17**	**1-6**
NNC	X	27 07 27 55.9–.51	50.01N	78.69E	0	3.4b,3.0		**¶601883231**
IDC	X	27 07 27 57.1–1.1	50.06N	78.68E	0	3.1,3.1		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.7km s-min=2.6km az=83.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.8km s-min=7.0km az=69.0.

(326) Southwestern Siberia

IDC	**X**	**27 08 12 32.1–1.2**	**51.51N**	**81.76E**	**0**	**2.2L,2.1**		
NNC	X	27 08 12 30.1–9.5	51.44N	82.30E	0	3.2b,2.8		**¶601883235**

IDC Error ellipse: s-maj=14.6km s-min=10.7km az=143.0.
NNC Event type sm. Error ellipse: s-maj=91.2km s-min=39.2km az=21.0. Suspected Mining explosion.

(548) Poland

ISC	**X**	**27 09 07 02.1–.65**	**51.53N–.03**	**16.13E–.02**	**0**		**93**	**1-40**
ISCJB	X	27 09 07 01.1–.29	51.48N–.02	16.18E–.03	0	3.0b		**¶601857715**
IDC	X	27 09 07 03.4–.73	51.45N	16.15E	0	3.3,3.3		
IPEC	X	27 09 07 03.8–.49	51.48N	16.16E	0–2	2.4L,3.3		
UPP	X	27 09 07 04.6–3.0	51.49N	15.59E	0	2.0L,3.3		
PRU	X	27 09 07 05.2–.00	51.42N	16.14E	0	2.0L,3.3		
VIE	X	27 09 07 06.3–.89	51.29N	16.09E	0	2.8L,2.7b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.8km s-min=2.1km az=162.0.
IDC Error ellipse: s-maj=13.0km s-min=7.4km az=101.0.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.2km az=42.0.
UPP Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.7km s-min=5.7km az=75.0. 67 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**X**	**27 20 21 29.8–1.1**	**43.70N–.08**	**105.26W–.07**	**0**		**17**	**1-11**
ISCJB	X	27 20 21 28.6–.55	43.67N–.06	105.28W–.07	0			**¶601999857**
NEIC	X	27 20 21 29.9–.48	43.69N	105.24W	0	3.4L		
IDC	X	27 20 21 29.2–1.8	43.80N	105.52W	0	3.7,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=8.4km s-min=6.8km az=167.6.
NEIC Event type fm. Error ellipse: s-maj=8.0km s-min=6.2km az=165.0. 70 km [44 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.2km s-min=8.6km az=149.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**28 04 21 48.8–1.7**	**67.74N–.04**	**33.61E–.09**	**0**		**58**	**0-12**
ISCJB	X	28 04 21 48.8–.83	67.75N–.03	33.4E–.10	0			**¶601861560**
UPP	X	28 04 21 48.7–3.0	67.60N	33.79E	0	1.5L		
KOLA	X	28 04 21 48.6	67.68N	33.81E	0	1.5L		
HEL	X	28 04 21 50.0–.50	67.73N	33.57E	0	2.2L		
NAO	X	28 04 21 51.2–2.0	67.69N	33.37E		2.8L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.2km s-min=4.1km az=170.0.
UPP Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
KOLA Event type km.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=8.5km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(713) Central Kazakhstan

NNC	**X**	**28 11 37 04.0–.98**	**50.92N**	**73.55E**	**0**	**3.5b,3.2**		**¶601883601**

NNC Event type sm. Error ellipse: s-maj=13.2km s-min=8.9km az=36.0. Suspected Mining explosion.

(366) Turkey

ISC	**X**	**29 08 38 41.1–.90**	**37.24N–.03**	**28.19E–.03**	**0**		**22**	**0-2**
ISCJB	X	29 08 38 41.9–.53	37.28N–.03	28.24E–.04	0			**¶602080458**
ISK	X	29 08 38 41.1	37.22N	28.15E	5–0	2.2L		
DDA	X	29 08 38 42.0	37.27N	28.15E	7	2.6L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.7km az=165.9.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(374) Jordan-Syria region

ISC	**X**	**30 13 31 45.2–1.6**	**36.9N–.10**	**39.91E–.06**	**0**		**10**	**1-2**
ISCJB	X	30 13 31 46.4–1.5	36.9N–.10	39.92E–.08	0			**¶603002293**
DDA	X	30 13 31 50.1	37.18N	39.71E	8	2.5L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=17.0km s-min=5.8km az=151.0.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**X**	**30 20 09 22.7–.45**	**51.54N–.03**	**16.13E–.02**	**0**	**3.7b**	**267**	**1-75**
BNS	X	30 20 09 20.5–.46	51.26N	16.71E	1	3.6L		**¶601864419**
ISCJB	X	30 20 09 21.5–.24	51.51N–.02	16.17E–.02	0	3.7b		
MOS	X	30 20 09 22.2–.85	51.62N	16.19E	9	4.0b		
LDG	X	30 20 09 22.9–.26	51.60N	16.30E	1	3.6L		
IPEC	X	30 20 09 23.0–.37	51.56N	16.22E	0–1	3.3L		
IDC	X	30 20 09 23.7–.57	51.54N	16.00E	0	3.8,3.8b		
BGR	X	30 20 09 24.3–.58	51.51N	16.15E	1	3.9L,3.8b		
PRU	X	30 20 09 24.0–.00	51.52N	16.16E	0	3.9L,3.8b		

ISC Event type sr.
BNS Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=1.7km az=8.2.
MOS Error ellipse: s-maj=6.8km s-min=3.6km az=91.5.
LDG Event type sr. Error ellipse: s-maj=7.0km s-min=3.8km az=5.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=3.7km s-min=1.8km az=59.0.
IDC Error ellipse: s-maj=10.2km s-min=7.7km az=99.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=25.0.
PRU Event type ki. Felt In Harrachov.

(329) Eastern Kazakhstan

ISC	**X**	**31 07 27 11.2–1.6**	**49.18N–.07**	**83.42E–.08**	**0**		**10**	**2-5**
SOME	X	31 07 26 59.7	49.75N	83.82E	0			**¶601891391**
NNC	X	31 07 27 03.7–3.2	49.41N	83.55E	0	3.0b,2.7		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=30.4km s-min=8.0km az=67.0. Suspected Mining explosion.

(713) Central Kazakhstan

ISC	**X**	**31 11 10 35.0–.65**	**50.84N–.06**	**73.50E–.05**	**0**	**3.9b**	**41**	**3-88**
ISCJB	X	31 11 10 32.5–.44	50.77N–.04	73.56E–.06	0	3.8b		**¶601891413**
NNC	X	31 11 10 34.8–.54	50.89N	73.58E	0	3.7b,3.4		
MOS	X	31 11 10 35.3–2.1	50.78N	73.48E	18	4.2b,3.4		
IDC	X	31 11 10 36.0–.65	50.83N	73.56E	0	3.6,3.6b		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.4km s-min=5.0km az=22.8.
NNC Event type sm. Error ellipse: s-maj=9.0km s-min=3.9km az=25.0. Suspected Mining explosion.
MOS Error ellipse: s-maj=12.9km s-min=10.5km az=111.9.
IDC Error ellipse: s-maj=11.5km s-min=6.7km az=35.0.

(367) Turkey-Georgia-Armenia border region

ISC	**X**	**31 12 52 18.5–.87**	**41.32N–.04**	**43.93E–.03**	**0**		**34**	**0-2**
ISCJB	X	31 12 52 19.3–.44	41.40N–.03	43.87E–.03	0			**¶602952634**
TIF	X	31 12 52 19.1	41.33N	43.93E	14–2			
MOS	X	31 12 52 20.0–.00	41.41N	44.00E	19–0	2.9		
DDA	X	31 12 52 45.3	41.13N	41.84E	7	1.7L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=2.5km az=155.3.
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**XI**	**01 05 54 06.7–.86**	**40.31N–.03**	**38.68E–.03**	**0**		**20**	**0-2**
ISCJB	XI	01 05 54 06.7–.46	40.33N–.03	38.73E–.04	0			**¶602080615**
ISK	XI	01 05 54 06.7	40.36N	38.66E	8–1	2.2L		
DDA	XI	01 05 54 07.0	40.29N	38.71E	7	2.8L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=3.5km az=153.5.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(713) Central Kazakhstan

NNC	**XI**	**01 07 28 57.1–1.2**	**48.96N**	**68.60E**	**0**	**3.6b,3.2**		**¶601901452**

NNC Event type sm. Error ellipse: s-maj=16.1km s-min=11.7km az=168.0. Suspected Mining explosion.

(326) Southwestern Siberia

KRAR	**XI**	**01 07 54 54.0–.50**	**53.71N**	**91.01E**		**3.4**		
NNC	XI	01 07 54 59.7–1.4	53.31N	90.71E	0	4.2b,3.9		**¶601901453**

KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=11.5km s-min=9.7km az=97.0. Suspected Mining explosion.

(548) Poland

ISC	**XI**	**01 19 27 39.8–.78**	**50.15N–.03**	**18.99E–.02**	**0**		**41**	**0-4**
ISCJB	XI	01 19 27 39.1–.43	50.19N–.03	18.90E–.03	0			**¶601871751**
PRU	XI	01 19 27 39.8–.00	50.25N	18.98E	0			
WAR	XI	01 19 27 40.4	50.21N	19.07E	1	2.5W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.0km s-min=2.6km az=7.2.
PRU Event type ki.

(329) Eastern Kazakhstan

ISC	**XI**	**02 07 38 29.0–1.0**	**50.00N–.05**	**78.64E–.09**	**0**		**27**	**1-6**
ISCJB	XI	02 07 38 27.7–.74	49.99N–.03	78.6E–.10	0			**¶601903328**
NNC	XI	02 07 38 28.2–.55	50.03N	78.84E	0	3.0b,2.8		
IDC	XI	02 07 38 29.5–1.0	50.06N	78.74E	0	3.2,3.2		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.7km s-min=3.7km az=164.0.
NNC Event type sm. Error ellipse: s-maj=18.0km s-min=2.5km az=68.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.2km s-min=6.3km az=67.0.

(372) Cyprus region

ISC	**XI**	**02 09 49 11.6–1.1**	**35.38N–.03**	**33.05E–.03**	**15–10**		**23**	**0-1**
NIC	XI	02 09 49 11.9–.10	35.35N	33.07E	15	2.8L		**¶601868280**
ISK	XI	02 09 49 11.3	35.41N	33.04E	14–0	2.2L		

ISK Event type sm. Suspected Mining explosion.

(367) Turkey-Georgia-Armenia border region

ISC	**XI**	**02 14 29 09.7–.80**	**41.29N–.03**	**41.31E–.02**	**0**		**43**	**0-2**
TIF	XI	02 14 29 08.7	41.27N	41.30E	11–5			**¶602080677**
DDA	XI	02 14 29 09.7	41.30N	41.34E	7	2.8		
ISK	XI	02 14 29 09.9	41.31N	41.37E	12–0	3.1L		
ISCJB	XI	02 14 29 10.1–.38	41.29N–.03	41.34E–.02	0	3.1L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.

(460) Wyoming

ISC	**XI**	**02 21 07 18.9–.56**	**43.81N–.03**	**105.32W–.03**	**0**		**73**	**1-61**
ISCJB	XI	02 21 07 16.8–.30	43.86N–.02	105.25W–.03	0	4.5b		**¶602388741**
ANF	XI	02 21 07 18.8–.75	43.72N	105.38W		3.8L		
NEIC	XI	02 21 07 18.8–.35	43.85N	105.28W	0	3.5L		
IDC	XI	02 21 07 18.2–.91	43.92N	105.57W	0	4.3b,4.1		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=3.2km s-min=2.7km az=155.1.
ANF Error ellipse: s-maj=9.3km s-min=7.2km az=124.0.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=4.7km az=141.0. 52 km [32 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.7km s-min=8.1km az=146.0.

(548) Poland

ISC	**XI**	**03 12 06 59.8–.88**	**50.17N–.04**	**19.27E–.02**	**0**		**33**	**0-4**
ISCJB	XI	03 12 06 58.4–.58	50.20N–.04	19.21E–.03	0			**¶601871963**
PRU	XI	03 12 07 00.1–.00	50.18N	19.26E	0			
WAR	XI	03 12 07 00.7	50.18N	19.34E	1	2.5W		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.9km az=17.2.
PRU Event type ki.

(460) Wyoming
ISC XI 03 17 59 53.9–1.1 43.38N–.09 105.45W–.06 0 9 1-10
IDC XI 03 17 59 57.9–2.6 43.34N 105.26W 0 3.6,3.4 ¶602388777
NEIC XI 03 18 00 00.8–.59 43.81N 105.35W 0 2.7L,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=62.1km s-min=10.6km az=157.0.
NEIC Event type fm. Error ellipse: s-maj=9.3km s-min=7.7km az=149.0. 55 km [34 miles] SSE of Gillette. Suspected Mining explosion.
(536) Sweden
UPP XI 04 18 34 22.8–.20 67.83N 20.24E 0 1.5L
HEL XI 04 18 34 25.2 67.76N 20.47E 0 1.8L ¶604030035
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
(713) Central Kazakhstan
NNC XI 04 18 36 42.9–.34 48.03N 70.91E 0 3.6b,3.2
¶601909763
NNC Event type sm. Error ellipse: s-maj=3.6km s-min=2.7km az=73.0. Suspected Mining explosion.
(366) Turkey
ISC XI 05 11 30 03.0–.91 38.95N–.03 33.70E–.03 0 18 0-1
ISK XI 05 11 30 02.7 38.95N 33.71E 6–0 1.8L ¶602080860
ISCJB XI 05 11 30 03.2–.49 38.95N–.03 33.72E–.03 0 1.8L
DDA XI 05 11 30 04.2 38.89N 33.67E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=3.9km az=5.5.
DDA Event type sm. Suspected Mining explosion.
(548) Poland
ISC XI 05 20 45 30.2–.81 50.20N–.04 18.74E–.02 0 38 0-4
ISCJB XI 05 20 45 30.0–.50 50.24N–.04 18.73E–.03 0 ¶601881254
IPEC XI 05 20 45 31.0–.12 50.19N 18.80E 1 1.9L
WAR XI 05 20 45 31.1 50.23N 18.82E 1 2.6W
PRU XI 05 20 45 31.0–.00 50.26N 18.74E 0 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.2km s-min=2.7km az=2.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.6km az=176.0.
PRU Event type ki.
(548) Poland
ISC XI 06 01 35 26.9–.76 50.23N–.03 18.78E–.02 0 54 0-5
ISCJB XI 06 01 35 26.3–.44 50.29N–.03 18.75E–.03 0 ¶601881258
IPEC XI 06 01 35 28.0–.13 50.25N 18.81E 1–1 2.0L
WAR XI 06 01 35 28.4 50.25N 18.84E 1 2.5W
PRU XI 06 01 35 28.3–.00 50.27N 18.79E 0 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.6km s-min=2.4km az=10.3.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.6km az=179.0.
PRU Event type ki.
(366) Turkey
ISC XI 06 11 00 45.6–.90 37.16N–.04 27.98E–.03 0 14 0-1
ISK XI 06 11 00 45.2 37.28N 27.86E 26–0 2.1L ¶602080927
ISCJB XI 06 11 00 46.4–.64 37.13N–.04 27.96E–.04 0 2.1L
DDA XI 06 11 00 47.4 37.16N 27.86E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=4.8km az=19.0.
DDA Event type sm. Suspected Mining explosion.
(548) Poland
WAR XI 06 14 58 37.4 50.16N 19.34E 1 2.1W
PRU XI 06 14 58 36.0–.00 50.22N 19.26E 0 2.1W ¶601881263
PRU Event type ki.
(548) Poland
WAR XI 06 15 55 39.7 50.18N 19.34E 1 2.4W
IPEC XI 06 15 55 39.5–.11 50.15N 19.31E 0 1.6L ¶601881264
PRU XI 06 15 55 39.3–.00 50.21N 19.25E 0 1.6L
IPEC Event type ki. Error ellipse: s-maj=1.3km s-min=0.7km az=174.0.
PRU Event type ki.
(536) Sweden
ISC XI 08 00 20 39.5–.79 67.83N–.02 20.26E–.02 0 41 0-4
ISCJB XI 08 00 20 38.9–.40 67.78N–.02 20.34E–.07 0 ¶603997364
HEL XI 08 00 20 38.9 67.80N 20.01E 0 1.7L
UPP XI 08 00 20 39.9–.00 67.83N 20.20E 0 2.5L
ISC Event type sh.
ISCJB Event type kh. Error ellipse: s-maj=3.7km s-min=3.1km az=159.8.
HEL Event type kh. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
(536) Sweden
UPP XI 08 00 20 44.0–.10 67.83N 20.30E 0 2.3L
¶604158671
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
(326) Southwestern Siberia
IDC XI 08 07 57 55.7–2.4 54.19N 86.14E 0 3.3,3.3
¶601991550
IDC Error ellipse: s-maj=18.7km s-min=12.3km az=50.0.
(326) Southwestern Siberia
IDC XI 08 09 28 56.5–2.6 53.65N 86.93E 0 3.0,3.0
¶601991552
IDC Error ellipse: s-maj=23.6km s-min=13.2km az=74.0.
(548) Poland
ISC XI 08 22 02 07.1–.92 50.29N–.04 19.38E–.03 0 38 0-4
ISCJB XI 08 22 02 06.9–.61 50.28N–.04 19.24E–.03 0 ¶601888181
PRU XI 08 22 02 08.9–.00 50.20N 19.28E 0
WAR XI 08 22 02 09.5 50.18N 19.34E 1 2.7W
VIE XI 08 22 02 33.0 50.06N 18.09E 0 2.2L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.4km s-min=2.8km az=19.5.
PRU Event type ki.
VIE Event type sr. 27 km NNW of Ostrava . Suspected Mining induced.
(326) Southwestern Siberia
IDC XI 09 06 08 24.5–2.5 54.13N 86.46E 0 3.1,3.1
¶601991588
IDC Error ellipse: s-maj=20.5km s-min=12.7km az=58.0.
(723) Finland-Karelia border region
ISC XI 09 08 49 04.1–1.0 61.10N–.04 28.83E–.05 0 24 1-9
ISCJB XI 09 08 49 03.0–.87 61.12N–.04 28.7E–.10 0 ¶602389085
MOS XI 09 08 49 03.0 61.02N 28.91E 1.9
HEL XI 09 08 49 04.9–.20 61.01N 28.91E 0 2.2L
IDC XI 09 08 49 05.9–2.1 60.94N 28.87E 0 3.5,3.3
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=8.3km s-min=4.3km az=27.9.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=18.4km s-min=10.9km az=162.0.
(723) Finland-Karelia border region
ISC XI 09 08 59 08.5–1.2 64.78N–.04 30.69E–.06 0 40 1-10
IDC XI 09 08 59 01.8–3.2 64.75N 33.37E 0 3.1,3.0 ¶602389086
ISCJB XI 09 08 59 07.9–.65 64.79N–.03 30.58E–.09 0 3.1,3.0
UPP XI 09 08 59 07.9–2.7 64.54N 30.80E 0 1.7L,3.0
KOLA XI 09 08 59 08.9 64.71N 30.66E 0 1.7L,3.0
HEL XI 09 08 59 09.3–.20 64.82N 30.74E 0 2.1L,3.0
ISC Event type km.
IDC Error ellipse: s-maj=39.8km s-min=10.4km az=106.0.
ISCJB Event type km. Error ellipse: s-maj=6.5km s-min=4.1km az=34.0.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
KOLA Event type km.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0. Explosion.
(366) Turkey
ISC XI 09 12 33 15.4–.96 38.56N–.04 35.15E–.05 0 15 0-2
ISCJB XI 09 12 33 15.8–.66 38.54N–.03 35.18E–.06 0 ¶602081092
ISK XI 09 12 33 15.6 38.51N 35.12E 7–0 2.2L
DDA XI 09 12 33 16.9 38.54N 35.09E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.7km s-min=5.0km az=172.5.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XI 09 12 34 23.5–.95 40.83N–.05 42.53E–.03 0 28 0-2
TIF XI 09 12 34 23.4 40.79N 42.51E 10–2 ¶602081093
DDA XI 09 12 34 25.6 40.92N 42.60E 7 3.0L
ISK XI 09 12 34 25.3 40.93N 42.60E 28–0 2.5L
ISCJB XI 09 12 34 26.0–.48 40.90N–.03 42.57E–.02 0 2.5L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
ISCJB Event type sm.
(548) Poland
ISC XI 09 15 53 23.2–.63 51.52N–.03 16.20E–.02 0 114 1-19
ISCJB XI 09 15 53 21.9–.26 51.49N–.01 16.23E–.03 0 ¶601882844
BGR XI 09 15 53 24.9–.57 51.46N 16.23E 1 3.1L
IDC XI 09 15 53 25.2–.67 51.43N 16.08E 0 3.4,3.3
PRU XI 09 15 53 26.4–.00 51.39N 16.13E 0 3.4,3.3
UPP XI 09 15 53 27.1–3.0 51.62N 15.69E 0 2.1L,3.3
VIE XI 09 15 53 27.4–.63 51.23N 16.28E 0 3.1L,2.6b
WAR XI 09 15 53 29.8 51.02N 15.80E 1 2.8W,2.6b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.6km s-min=2.1km az=159.0.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=30.0.
IDC Error ellipse: s-maj=10.3km s-min=7.0km az=107.0.
PRU Event type ki.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
VIE Event type sr. Error ellipse: s-maj=7.5km s-min=5.3km az=88.0. 52 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC XI 09 16 01 30.3–.70 51.50N–.03 16.20E–.02 0 101 1-19
ISCJB XI 09 16 01 28.7–.33 51.49N–.02 16.21E–.03 0 ¶601882846
IDC XI 09 16 01 31.3–.83 51.37N 16.33E 0 3.4,3.3
BGR XI 09 16 01 32.9–.53 51.40N 16.19E 1 3.2L,3.3
PRU XI 09 16 01 32.9–.00 51.40N 16.15E 0 3.2L,3.3
UPP XI 09 16 01 34.3–3.0 51.67N 16.05E 0 2.2L,3.3
VIE XI 09 16 01 34.2–.86 51.24N 16.31E 0 3.1L,2.4b
WAR XI 09 16 01 36.7 51.02N 15.79E 1 2.7W,2.4b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.9km s-min=2.2km az=35.9.
IDC Error ellipse: s-maj=17.5km s-min=7.1km az=101.0.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=25.0.
PRU Event type ki.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
VIE Event type sr. Error ellipse: s-maj=8.9km s-min=6.1km az=52.0. 51 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC XI 09 16 54 49.7–.80 51.52N–.03 16.20E–.03 0 53 1-19
ISCJB XI 09 16 54 49.6–.63 51.41N–.03 16.21E–.04 0 ¶601888193
IDC XI 09 16 54 51.5–1.2 51.50N 16.07E 0 3.6,3.4
PRU XI 09 16 54 52.3–.00 51.41N 16.18E 0 3.6,3.4
WAR XI 09 16 54 56.0 51.02N 15.79E 1 2.5W,3.4
VIE XI 09 16 54 57.1–1.3 50.96N 16.10E 0 2.3b,2.2L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.0km s-min=2.8km az=21.1.
IDC Error ellipse: s-maj=38.8km s-min=9.9km az=117.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=11.5km s-min=8.3km az=82.0. 65 km WSW of Wroclaw . Suspected Mining induced.
(536) Sweden
ISC XI 09 18 02 09.4–.74 67.09N–.02 20.95E–.02 0 83 0-8
ISCJB XI 09 18 02 08.7–.28 67.07N–.02 20.92E–.06 0 ¶603997439
UPP XI 09 18 02 09.3–.10 67.08N 20.94E 0 2.2L
HEL XI 09 18 02 09.9–.00 67.09N 20.92E 0 2.2L,2.2L
IDC XI 09 18 02 09.4–1.0 67.10N 21.00E 0 3.1,3.0
NAO XI 09 18 02 10.3–.80 67.04N 21.55E 2.3L,3.0
BER XI 09 18 02 11.8–2.6 67.03N 21.17E 0 2.3L,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.2km s-min=2.7km az=21.9.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=17.7km s-min=10.1km az=112.0.
BER Event type sh. Error ellipse: s-maj=6.7km s-min=22.8km az=-1.0. Suspected explosion.
(548) Poland
ISC XI 09 23 48 37.6–.85 50.21N–.04 18.81E–.02 0 42 0-4
ISCJB XI 09 23 48 36.6–.46 50.26N–.03 18.77E–.03 0 ¶601888200
WAR XI 09 23 48 38.4 50.24N 18.89E 1 2.5W
PRU XI 09 23 48 38.2–.00 50.25N 18.82E 0 2.5W
VIE XI 09 23 48 40.5–1.1 49.81N 18.83E 0 2.2L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.4km az=7.1.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=15.1km s-min=8.9km az=155.0. 42 km E of Ostrava . Suspected Mining induced.
(441) Ontario
ISC XI 10 04 13 23.4–.76 46.67N–.02 81.34W–.02 0 68 0-3
ISCJB XI 10 04 13 23.0–.28 46.66N–.02 81.32W–.02 0 ¶601897585
ANF XI 10 04 13 23.1–.21 46.66N 81.36W 2.5L
OTT XI 10 04 13 24.3–.07 46.67N 81.34W 1 3.0
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.7km s-min=2.2km az=4.4.
ANF Error ellipse: s-maj=2.7km s-min=1.8km az=13.0.
OTT Event type kr. Mining related event, Sudbury, On 5km northeast from Onaping Falls, On Mining induced.
(326) Southwestern Siberia
NNC XI 10 05 41 08.3–4.2 54.19N 86.37E 0 3.9b,3.2
¶601991641
NNC Event type sm. Error ellipse: s-maj=59.8km s-min=23.9km az=175.0. Suspected Mining explosion.
(548) Poland
ISC XI 10 05 41 32.0–.62 50.16N–.03 19.03E–.02 0 61 0-40
ISCJB XI 10 05 41 31.2–.41 50.21N–.03 18.99E–.03 0 3.1b,3.0s ¶601888207
PRU XI 10 05 41 32.5–.00 50.22N 19.01E 0 3.1b,3.0s
WAR XI 10 05 41 33.3 50.21N 19.12E 1 2.9W,3.0s
IDC XI 10 05 41 34.4–.80 50.13N 18.82E 0 3.4,3.4b
VIE XI 10 05 41 35.6–1.1 49.74N 18.99E 0 2.7L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.7km az=10.8.
PRU Event type ki.
IDC Error ellipse: s-maj=15.4km s-min=6.7km az=145.0.
VIE Event type sr. Error ellipse: s-maj=9.0km s-min=6.0km az=21.0. 54 km E of Ostrava . Suspected Mining induced.
(548) Poland
ISC XI 10 09 54 25.2–.96 50.12N–.05 19.26E–.03 0 18 0-4
ISCJB XI 10 09 54 24.4–.78 50.21N–.05 19.22E–.04 0 ¶601888210
WAR XI 10 09 54 26.7 50.18N 19.34E 1 2.5W
PRU XI 10 09 54 26.2–.00 50.18N 19.27E 0 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.6km az=5.1.
PRU Event type ki.
(326) Southwestern Siberia
KRAR XI 10 16 26 32.0–.13 54.00N 89.92E 1.9
NNC XI 10 16 26 34.8–5.3 54.41N 89.57E 0 3.6b,3.3 ¶601991660
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=42.9km s-min=37.4km az=156.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC XI 10 17 13 16.9–.88 67.54N–.03 33.22E–.03 0 57 0-12

HEL XI 10 17 13 15.4–.30 67.87N 33.61E 0 2.1L ¶606804540
KOLA XI 10 17 13 15.4 67.67N 33.78E 1.7
ISCJB XI 10 17 13 16.3–.52 67.61N–.04 33.07E–.09 0 1.7
NAO XI 10 17 13 17.0–1.8 67.72N 33.36E 2.8L
IDC XI 10 17 13 17.3–1.7 67.73N 33.46E 0 3.6,3.6
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=5.3km az=-1.0. Explosion.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
ISCJB Event type kh. Error ellipse: s-maj=6.7km s-min=4.1km az=29.5.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=10.4km az=80.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 10 17 25 47.3–1.7 67.62N–.04 33.59E–.09 0 57 2-12
ISCJB XI 10 17 25 47.7–.96 67.59N–.03 33.3E–.10 0 ¶606804541
HEL XI 10 17 25 47.3–.40 67.60N 33.93E 0 2.4L
NAO XI 10 17 25 49.5–1.7 67.74N 33.50E 2.9L
IDC XI 10 17 25 50.5–1.8 67.77N 33.43E 0 3.7,3.7
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.9km s-min=4.2km az=178.3.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=8.2km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=9.6km az=83.0.

(548) Poland

ISC XI 11 01 43 55.5–.51 51.62N–.03 16.14E–.02 0 253 1-40
ISCJB XI 11 01 43 55.2–.20 51.55N–.01 16.15E–.02 0 4.0b ¶601883763
IDC XI 11 01 43 57.9–.54 51.59N 15.99E 0 4.0b,3.8
NEIC XI 11 01 43 57.1–.24 51.67N 16.16E 5 4.3b,3.8
BGR XI 11 01 43 58.7–.44 51.56N 16.17E 1 3.9L,3.8
VIE XI 11 01 43 59.2–.85 51.43N 16.20E 0 3.5L,3.3b
BNS XI 11 01 44 00.1–.62 51.71N 16.15E 10 3.4L,3.3b
LDG XI 11 01 44 00.3–.31 51.44N 16.10E 1 4.2L,3.3b
UPP XI 11 01 44 01.2–2.5 51.74N 15.64E 0 2.2L,3.3b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=1.9km s-min=1.7km az=42.0.
IDC Error ellipse: s-maj=8.8km s-min=5.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=154.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=12.0.
VIE Event type sr. Error ellipse: s-maj=8.7km s-min=4.7km az=17.0. 68 km NW of Wroclaw . Suspected Mining induced.
BNS Event type ki.
LDG Event type sr. Error ellipse: s-maj=7.5km s-min=4.5km az=17.0. Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.

(366) Turkey

ISC XI 11 07 08 24.9–1.3 36.55N–.04 26.74E–.03 18–9 44 1-4
ATH XI 11 07 08 25.3 36.54N 26.63E 32–3 2.6L ¶602081202
ISK XI 11 07 08 29.1 36.39N 27.17E 23–0 2.8L
DDA XI 11 07 08 34.3 37.05N 27.49E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=16.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

PRU XI 12 21 02 18.6–.00 50.34N 19.29E 0 ¶601901821
PRU Event type ki.

(460) Wyoming

ISC XI 12 21 09 12.4–.77 43.75N–.04 105.36W–.04 0 28 1-11
ISCJB XI 12 21 09 10.5–.48 43.82N–.04 105.35W–.06 0 ¶602389306
NEIC XI 12 21 09 12.5–.39 43.79N 105.32W 0 3.0
IDC XI 12 21 09 12.0–1.8 43.76N 105.51W 0 3.9,3.6
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.5km az=28.2.
NEIC Event type fm. Error ellipse: s-maj=6.5km s-min=5.1km az=148.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.3km s-min=8.7km az=149.0.

(548) Poland

PRU XI 13 02 09 16.2–.00 50.28N 18.76E 0 ¶601901848
PRU Event type ki.

(456) Montana

ISC XI 13 18 25 23.3–.89 45.01N–.06 106.85W–.05 0 13 2-11
ISCJB XI 13 18 25 26.0–.67 45.22N–.07 106.8W–.10 0 ¶602389356
NEIC XI 13 18 25 26.7–.67 45.19N 106.84W 0 2.9L
IDC XI 13 18 25 26.4–1.4 44.46N 106.13W 0 3.5,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=12.2km s-min=6.8km az=41.0.
NEIC Event type fm. Error ellipse: s-maj=12.5km s-min=8.3km az=139.0. 44 km [28 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=95.6km s-min=8.4km az=142.0.

(548) Poland

WAR XI 13 23 59 33.6 50.18N 19.34E 1 2.3W
PRU XI 13 23 59 33.3–.00 50.20N 19.28E 0 2.3W ¶601901916
PRU Event type ki.

(536) Sweden

UPP XI 14 00 24 00.7–.10 67.83N 20.19E 0 2.3L
HEL XI 14 00 24 01.6 67.95N 20.74E 0 1.9L ¶604158696
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(366) Turkey

ISK XI 14 07 43 29.6 40.93N 39.65E 15–3 2.3L
DDA XI 14 07 44 05.2 40.99N 39.73E 13 2.8L ¶602081505
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XI 14 15 17 54.1–.74 50.24N–.03 18.77E–.02 0 98 0-7
ISCJB XI 14 15 17 52.7–.37 50.29N–.03 18.73E–.02 0 ¶601901933
IPEC XI 14 15 17 54.4–.22 50.26N 18.83E 1–1 2.7L
BGR XI 14 15 17 55.0–.34 50.26N 18.82E 1 3.0L
PRU XI 14 15 17 54.7–.00 50.27N 18.76E 0 3.0L
WAR XI 14 15 17 54.8 50.25N 18.84E 1 2.9W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.9km s-min=2.1km az=11.8.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=169.0.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=6.0.
PRU Event type ki.

(543) Germany

ISC XI 14 20 43 16.7–.72 51.45N–.02 6.55E–.02 0 126 0-7
ISCJB XI 14 20 43 16.9–.26 51.48N–.01 6.55E–.03 0 ¶602425718
GDNRW XI 14 20 43 17.1–.28 51.51N 6.62E 1 2.1L
BUG XI 14 20 43 17.4–.00 51.54N 6.60E 1 2.2L
BNS XI 14 20 43 18.6–.95 51.47N 6.60E 1 2.2L
BGR XI 14 20 43 18.8–.30 51.49N 6.59E 1 2.3L
LDG XI 14 20 43 18.5–.10 51.49N 6.59E 1 2.7,2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=2.4km s-min=1.9km az=29.9.
GDNRW Event type ki.
BUG Event type ki.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=3.3km az=113.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=137.0.

(536) Sweden

UPP XI 15 00 19 21.1–.00 67.83N 20.20E 0 2.0L
HEL XI 15 00 19 19.9 67.84N 19.94E 0 1.3L ¶603997796
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(536) Sweden

ISC XI 15 02 14 31.6–.71 60.32N–.02 16.24E–.02 0 95 0-10
ISCJB XI 15 02 14 30.9–.26 60.34N–.02 16.28E–.03 0 ¶604540519
UPP XI 15 02 14 31.9–.00 60.33N 16.25E 0 2.1L
NAO XI 15 02 14 31.7–.90 60.22N 16.26E 1.8L
IDC XI 15 02 14 32.0–.98 60.22N 16.29E 0 3.5,3.4
HEL XI 15 02 14 32.5–.00 60.33N 16.24E 0 2.1L,1.9L
BER XI 15 02 14 34.4–3.1 60.20N 16.29E 0–16 2.0L,1.8L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.5km s-min=1.9km az=6.9.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=5.3km az=167.0.
HEL Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=16.4km s-min=14.3km az=-1.0.

(536) Sweden

HEL XI 15 02 15 24.6–.20 67.82N 20.31E 0 1.2L ¶607167749
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=3.2km az=-1.0. Explosion.

(366) Turkey

ISC XI 15 11 48 17.1–.83 37.12N–.04 28.09E–.04 0 25 0-2
ISK XI 15 11 48 17.8 37.22N 28.17E 25–0 2.4L ¶602081617
ISCJB XI 15 11 48 18.5–.45 37.18N–.03 28.15E–.04 0 2.4L
DDA XI 15 11 48 19.2 37.23N 28.18E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=3.6km az=140.6.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC XI 15 15 11 21.8–1.0 40.65N–.06 41.31E–.04 0 19 0-2
ISK XI 15 15 11 22.8 40.68N 41.37E 6–0 2.4L ¶602081628
ISCJB XI 15 15 11 24.0–.62 40.72N–.03 41.30E–.04 0 2.4L
DDA XI 15 15 11 25.0 40.74N 41.38E 7 2.7L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=4.2km az=136.4.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

NNC XI 16 09 01 04.1–3.5 53.55N 87.67E 0 3.9b,3.6 ¶601992205
NNC Event type sm. Error ellipse: s-maj=30.1km s-min=17.0km az=52.0. Suspected Mining explosion.

(713) Central Kazakhstan

ISC XI 16 09 45 29.9–2.9 43.6N–.10 69.5E–.10 0 13 1-5
KRNET XI 16 09 45 25.4–.10 43.76N 69.24E 2.9b ¶601992213
SOME XI 16 09 45 29.7 43.63N 69.63E 2.9b
NNC XI 16 09 45 30.4–.83 43.68N 69.73E 0 3.5b,3.0
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=4.4km s-min=3.5km az=123.0. Suspected Mining explosion.

(713) Central Kazakhstan

ISC XI 16 10 01 36.9–.97 51.08N–.09 73.66E–.06 0 12 3-10
ISCJB XI 16 10 01 33.9–.85 51.18N–.10 73.57E–.08 0 ¶601992217
NNC XI 16 10 01 35.1–.69 50.87N 73.52E 0 3.5b,3.1
IDC XI 16 10 01 37.8–1.0 51.08N 73.67E 0 3.1,3.1
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=14.5km s-min=6.3km az=16.0.
NNC Event type sm. Error ellipse: s-maj=8.2km s-min=5.9km az=40.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.5km s-min=9.4km az=34.0.

(367) Turkey-Georgia-Armenia border region

ISC XI 16 13 54 20.4–2.2 41.20N–.03 42.0E–.10 0 12 0-0
ISCJB XI 16 13 54 19.7–1.6 41.21N–.03 42.0E–.10 0 ¶602983698
DDA XI 16 13 54 19.9 41.20N 41.95E 5 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=11.5km s-min=4.7km az=179.3.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XI 16 18 21 18.6–.81 51.62N–.03 16.12E–.03 0 54 1-6
ISCJB XI 16 18 21 17.1–.37 51.55N–.02 16.11E–.04 0 ¶601906505
UPP XI 16 18 21 22.7–3.0 51.79N 15.76E 0 1.7L
VIE XI 16 18 21 23.9–.95 51.22N 16.02E 0 2.7L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.5km s-min=2.6km az=147.7.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
VIE Event type sr. Error ellipse: s-maj=8.0km s-min=7.2km az=21.0. 70 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC XI 16 20 57 37.0–.75 50.20N–.02 18.85E–.02 0 81 0-5
ISCJB XI 16 20 57 35.1–.39 50.26N–.03 18.72E–.02 0 ¶601992303
BGR XI 16 20 57 37.3–1.0 50.08N 18.85E 1 3.1L
PRU XI 16 20 57 37.6–.00 50.26N 18.85E 0 3.1L
WAR XI 16 20 57 37.9 50.24N 18.93E 1 2.8W
VIE XI 16 20 57 38.1–1.4 49.82N 19.00E 0 2.8L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=1.8km az=16.5.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=6.7km az=40.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=11.7km s-min=8.0km az=7.0. 48 km S of Katowice . Suspected Mining induced.

(536) Sweden

UPP XI 17 00 22 43.3–.10 67.84N 20.20E 0 2.0L
HEL XI 17 00 22 45.8–.20 67.85N 20.25E 0 2.1L ¶604030091
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Explosion.

(548) Poland

ISC XI 17 02 12 53.0–.66 51.51N–.03 16.16E–.02 0 93 1-19
ISCJB XI 17 02 12 52.4–.27 51.50N–.02 16.20E–.03 0 ¶601992356
IDC XI 17 02 12 55.9–.75 51.42N 16.14E 0 3.4,3.2
PRU XI 17 02 12 56.2–.00 51.41N 16.15E 0 3.4,3.2
VIE XI 17 02 12 58.8–.83 51.16N 16.24E 0 2.7L,2.4b
UPP XI 17 02 12 58.0–3.0 51.64N 15.66E 0 2.2L,2.4b
WAR XI 17 02 13 00.2 51.02N 15.79E 1 2.6W,2.4b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.8km s-min=2.2km az=163.0.
IDC Error ellipse: s-maj=18.1km s-min=6.6km az=105.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.6km s-min=5.6km az=61.0. 54 km W of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.

(543) Germany

ISC XI 17 09 29 33.2–.80 51.48N–.03 6.42E–.02 0 95 0-6
ISCJB XI 17 09 29 32.7–.41 51.51N–.02 6.43E–.03 0 ¶602425719
GDNRW XI 17 09 29 33.8–.39 51.50N 6.55E 1 2.3L
BUG XI 17 09 29 33.0–.00 51.49N 6.45E 1 2.4L
BNS XI 17 09 29 34.8–.86 51.48N 6.53E 1 2.2L
BGR XI 17 09 29 34.6–.46 51.51N 6.59E 1 2.5L
LDG XI 17 09 29 34.7–.41 51.51N 6.49E 1 2.9L
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.5km s-min=2.1km az=142.4.
GDNRW Event type ki.
BUG Event type ki.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=132.0.
LDG Event type sr. Error ellipse: s-maj=7.0km s-min=4.1km az=171.0. Suspected Mining induced.

(366) Turkey

ISC XI 17 10 28 27.2–.91 37.27N–.04 28.20E–.03 0 20 0-2
ISK XI 17 10 28 27.7 37.24N 28.22E 7–0 2.5L ¶602081752
ISCJB XI 17 10 28 28.1–.48 37.23N–.03 28.22E–.04 0 2.5L
DDA XI 17 10 28 28.4 37.22N 28.16E 7 2.5L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=5.3km s-min=3.8km az=27.5.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC XI 17 12 39 48.7–1.0 37.15N–.03 28.35E–.04 0 14 0-1
ISK XI 17 12 39 48.1 37.14N 28.41E 24–0 2.1L ¶602081759
DDA XI 17 12 39 48.8 37.17N 28.34E 7 2.6L
ISCJB XI 17 12 39 49.1–.58 37.19N–.03 28.35E–.04 0 2.6L
ISC Event type sm.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm.
(366) Turkey
ISC XI 17 15 15 02.7–1.1 37.25N–.04 28.24E–.04 0 15 0-1
ISK XI 17 15 15 02.3 37.27N 28.26E 18–8 2.2L ¶602081769
DDA XI 17 15 15 02.9 37.25N 28.22E 7 2.6L
ISCJB XI 17 15 15 03.1–.57 37.28N–.04 28.26E–.05 0 2.6L
ISC Event type sm.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm.
(547) Czech and Slovak Republics
ISC XI 17 17 43 12.0–.84 49.83N–.03 18.55E–.03 0 44 0-4
ISCJB XI 17 17 43 11.6–.47 49.84N–.03 18.48E–.03 0 ¶601992536
IPEC XI 17 17 43 13.3–.17 49.82N 18.56E 0–3 2.0L
PRU XI 17 17 43 13.5–.00 49.83N 18.51E 0 2.0L
VIE XI 17 17 43 14.3–1.3 49.60N 18.45E 0 2.6L,2.0b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.7km az=24.7.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=164.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.6km s-min=3.9km az=68.0. 30 km SSE of Ostrava . Suspected Mining induced.
(460) Wyoming
ISC XI 17 19 01 00.6–.91 43.79N–.04 105.25W–.05 0 32 1-61
IDC XI 17 19 00 59.7–2.2 43.62N 105.34W 0 4.4b,4.1 ¶602389579
ISCJB XI 17 19 01 00.2–.49 43.84N–.04 105.22W–.06 0 4.6b,4.1
NEIC XI 17 19 01 01.2–.77 43.83N 105.29W 0 3.2L,4.1
ANF XI 17 19 01 01.6–.53 43.80N 105.31W 3.6L,4.1
ISC Event type sm.
IDC Error ellipse: s-maj=59.2km s-min=9.2km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=6.9km s-min=5.1km az=18.2.
NEIC Event type fm. Error ellipse: s-maj=12.6km s-min=9.6km az=151.0. 54 km [33 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=6.9km s-min=5.6km az=127.0.
(548) Poland
ISC XI 17 21 33 42.5–.90 51.50N–.04 16.16E–.03 0 56 1-5
ISCJB XI 17 21 33 41.6–.60 51.41N–.03 16.18E–.03 0 ¶601909929
PRU XI 17 21 33 44.2–.00 51.43N 16.14E 0
VIE XI 17 21 33 48.0–.98 51.10N 16.10E 0 2.6L,2.0b
WAR XI 17 21 33 49.0 51.01N 15.82E 1 2.4W,2.0b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.7km az=22.8.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.6km s-min=6.5km az=129.0. 63 km W of Wroclaw . Suspected Mining induced.
(456) Montana
ISC XI 17 22 17 22.4–.89 44.87N–.06 106.73W–.04 0 15 2-9
ISCJB XI 17 22 17 22.6–.65 45.02N–.05 106.72W–.05 0 ¶602389583
NEIC XI 17 22 17 23.8–.68 45.11N 106.76W 0 2.7L
IDC XI 17 22 17 24.1–1.1 44.86N 106.75W 0 3.4,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.4km s-min=5.6km az=4.6.
NEIC Event type fm. Error ellipse: s-maj=11.4km s-min=8.8km az=149.0. 38 km [24 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=66.7km s-min=8.3km az=137.0.
(536) Sweden
UPP XI 18 00 26 07.4–.00 67.84N 20.20E 0 1.7L
HEL XI 18 00 26 07.9 67.83N 20.19E 0 1.5L ¶604158725
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
(460) Wyoming
ISC XI 18 19 48 49.9–.72 43.82N–.05 105.27W–.05 0 4.1b 38 1-90
ISCJB XI 18 19 48 48.8–.41 43.85N–.03 105.22W–.05 0 4.0b ¶602389626
IDC XI 18 19 48 49.3–1.9 43.75N 105.34W 0 3.9,3.9b
NEIC XI 18 19 48 50.3–.36 43.82N 105.23W 0 3.5L,3.9b
ANF XI 18 19 48 50.3–.87 43.75N 105.30W 3.7L,3.9b
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.9km s-min=4.4km az=35.9.
IDC Error ellipse: s-maj=53.6km s-min=8.2km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=6.3km s-min=5.0km az=146.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=12.3km s-min=4.3km az=131.0.
(536) Sweden
UPP XI 18 23 13 47.1–.10 67.17N 20.66E 0 1.8L
HEL XI 18 23 13 48.1 67.19N 20.83E 0 1.4L ¶604158729
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
(326) Southwestern Siberia
KRAR XI 19 09 26 50.0–.20 53.47N 87.63E 2.8
NNC XI 19 09 26 54.8–3.2 53.46N 87.55E 0 3.7b,3.4 ¶601992891
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=25.7km s-min=14.5km az=63.0. Suspected Mining explosion.
(366) Turkey
ISC XI 19 10 23 21.8–.92 37.29N–.04 28.20E–.03 0 23 0-2
ISCJB XI 19 10 23 21.9–.51 37.21N–.03 28.18E–.04 0 ¶602081895
ISK XI 19 10 23 21.7 37.22N 28.17E 8–0 2.5L
DDA XI 19 10 23 22.5 37.24N 28.21E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.6km s-min=4.2km az=39.6.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(383) Northwestern Balkan Peninsula
BEO XI 19 10 52 09.0–1.3 45.22N 19.80E 0 2.0L
¶602042664
BEO Event type km. Mining explosion.
(366) Turkey
ISC XI 19 13 06 54.9–.79 40.33N–.03 40.23E–.03 0 31 0-2
DDA XI 19 13 06 54.7 40.31N 40.23E 8 3.1L ¶602081906
ISCJB XI 19 13 06 55.0–.40 40.30N–.03 40.20E–.03 0 3.1L
ISK XI 19 13 06 55.2 40.32N 40.20E 6–0 2.7L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=3.8km s-min=3.0km az=164.5.
ISK Event type ke.
(536) Sweden
UPP XI 19 23 08 08.5–.10 67.19N 20.68E 0 2.0L
HEL XI 19 23 08 14.3 67.27N 21.54E 0 1.5L ¶604158740
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
(326) Southwestern Siberia
NNC XI 20 06 40 35.3–3.0 53.58N 87.89E 0 3.5b,3.2
¶601993121
NNC Event type sm. Error ellipse: s-maj=23.3km s-min=13.9km az=60.0. Suspected Mining explosion.
(366) Turkey
ISC XI 20 09 16 41.1–.92 39.69N–.04 29.42E–.04 0 22 0-2
ISCJB XI 20 09 16 41.2–.49 39.68N–.03 29.45E–.05 0 ¶602081978
DDA XI 20 09 16 41.2 39.66N 29.41E 7 2.6L
ISK XI 20 09 16 41.2 39.65N 29.42E 6–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=3.7km az=18.2.
DDA Event type sm. Suspected Mining explosion.
ISK Event type sm. Suspected Mining explosion.
(548) Poland
ISC XI 20 09 41 01.4–.86 50.25N–.04 18.75E–.02 0 43 0-4
ISCJB XI 20 09 41 00.3–.48 50.28N–.03 18.71E–.03 0 ¶601993162
WAR XI 20 09 41 01.9 50.27N 18.82E 1 2.8W
IPEC XI 20 09 41 01.3–.17 50.29N 18.78E 1–1 2.1L
PRU XI 20 09 41 01.9–.00 50.25N 18.75E 0 2.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.5km az=9.2.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=167.0.
PRU Event type ki.
(326) Southwestern Siberia
KRAR XI 20 09 56 55.0–.10 53.58N 87.74E 2.4
NNC XI 20 09 56 55.8–2.3 53.50N 87.65E 0 3.9b,3.5 ¶601993165
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=19.7km s-min=13.2km az=66.0. Suspected Mining explosion.
(548) Poland
ISC XI 20 10 51 47.3–.68 51.49N–.03 16.18E–.02 0 102 1-19
ISCJB XI 20 10 51 46.3–.45 51.41N–.02 16.16E–.03 0 ¶601993185
BGR XI 20 10 51 49.0–.41 51.40N 16.16E 1 3.0L
IDC XI 20 10 51 48.0–.85 51.37N 16.38E 0 3.6,3.5
VIE XI 20 10 51 49.8–.83 51.28N 16.29E 0 3.0L,2.6b
PRU XI 20 10 51 49.9–.00 51.40N 16.16E 0 3.0L,2.6b
WAR XI 20 10 52 31.4 51.02N 15.79E 1 2.8W,2.6b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.4km s-min=2.2km az=24.7.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=17.0.
IDC Error ellipse: s-maj=18.4km s-min=7.0km az=99.0.
VIE Event type sr. Error ellipse: s-maj=8.5km s-min=5.3km az=95.0. 54 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(547) Czech and Slovak Republics
ISC XI 20 11 12 03.7–3.1 49.4N–.10 14.6E–.10 0 8 1-2
VIE XI 20 11 12 04.6–.31 49.30N 14.61E 0 2.5b,2.2L ¶604497199
ISC Event type sm.
VIE Event type sm. Error ellipse: s-maj=3.0km s-min=1.6km az=8.0. 51 km NW of Litschau . Suspected Mining explosion.
(366) Turkey
ISC XI 20 12 29 51.2–.95 37.24N–.03 28.22E–.03 0 21 0-1
ISCJB XI 20 12 29 51.6–.49 37.23N–.03 28.19E–.04 0 ¶602081995
DDA XI 20 12 29 51.4 37.24N 28.18E 7 2.6L
ISK XI 20 12 29 51.4 37.23N 28.17E 6–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=3.6km az=45.0.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC XI 20 15 00 11.1–1.0 37.23N–.04 28.30E–.04 0 16 0-1
ISCJB XI 20 15 00 11.7–.61 37.27N–.04 28.27E–.04 0 ¶602082002
ISK XI 20 15 00 11.1 37.25N 28.23E 4–0 2.1L
DDA XI 20 15 00 12.1 37.26N 28.26E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=4.2km az=39.5.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(548) Poland
PRU XI 20 16 31 51.3–.00 50.33N 18.88E 0
¶601993236
PRU Event type ki.
(548) Poland
ISC XI 21 04 22 37.9–.68 50.36N–.03 18.85E–.02 0 78 0-40
ISCJB XI 21 04 22 36.9–.45 50.41N–.03 18.83E–.03 0 2.8b ¶601993344
IDC XI 21 04 22 37.7–1.3 50.10N 19.15E 0 3.4,3.2
PRU XI 21 04 22 38.7–.00 50.40N 18.86E 0 3.4,3.2
VIE XI 21 04 22 38.2–1.0 50.55N 18.63E 0 3.0L,2.5b
WAR XI 21 04 22 39.3 50.36N 18.92E 1 3.1W,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=2.2km az=17.2.
IDC Error ellipse: s-maj=27.0km s-min=9.4km az=144.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=10.2km s-min=6.5km az=143.0. 41 km NW of Katowice . Suspected Mining induced.
(329) Eastern Kazakhstan
ISC XI 21 05 21 36.8–4.6 49.6N–.30 83.6E–.30 0 5 2-3
SOME XI 21 05 21 37.3 49.53N 83.47E 0 ¶601993355
NNC XI 21 05 21 37.6–5.8 49.55N 83.73E 0 2.9b,2.6
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=54.4km s-min=15.2km az=63.0. Suspected Mining explosion.
(344) Iran-Armenia-Azerbaijan border region
ISC XI 21 13 21 18.6–1.6 39.49N–.05 44.29E–.07 0 18 0-2
ISCJB XI 21 13 21 17.4–1.2 39.40N–.05 44.27E–.07 0 ¶602983852
DDA XI 21 13 21 17.6 39.47N 44.26E 7 2.8L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.5km s-min=5.5km az=36.1.
DDA Event type sm. Suspected Mining explosion.
(548) Poland
ISC XI 21 13 51 15.3–1.3 51.51N–.06 16.07E–.03 0 36 1-4
ISCJB XI 21 13 51 13.5–.83 51.49N–.04 16.09E–.04 0 ¶601993471
PRU XI 21 13 51 15.8–.00 51.51N 16.07E 0
VIE XI 21 13 51 15.8–.90 51.40N 16.04E 0 2.5L,2.4b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.4km s-min=3.2km az=21.5.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.8km s-min=3.8km az=18.0. 75 km WNW of Wroclaw . Suspected Mining induced.
(366) Turkey
ISC XI 21 14 20 45.3–1.0 37.52N–.06 28.15E–.05 0 11 0-1
ISCJB XI 21 14 20 46.4–.62 37.43N–.05 28.13E–.07 0 ¶602082128
DDA XI 21 14 20 46.5 37.42N 28.12E 7 2.5L
ISK XI 21 14 20 47.1 37.39N 28.07E 5–1 1.8L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.0km s-min=4.7km az=140.6.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
DDA XI 21 14 39 10.1 40.76N 41.26E 7 2.5L
¶602983855
DDA Event type sm. Suspected Mining explosion.
(456) Montana
ISC XI 21 23 08 20.4–.94 45.08N–.04 106.78W–.05 0 17 2-9
IDC XI 21 23 08 20.3–1.3 44.80N 106.61W 0 3.7,3.5 ¶602389810
ISCJB XI 21 23 08 21.2–.57 45.13N–.04 106.89W–.06 0 3.7,3.5
NEIC XI 21 23 08 21.3–.78 45.14N 106.88W 0 2.9,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=60.4km s-min=9.2km az=138.0.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.6km az=22.6.
NEIC Event type fm. Error ellipse: s-maj=11.6km s-min=10.7km az=134.0. 39 km [24 miles] N of Sheridan. Suspected Mining explosion.
(548) Poland
ISC XI 22 03 51 31.8–.70 50.08N–.02 19.16E–.02 0 72 0-12
ISCJB XI 22 03 51 31.6–.39 50.15N–.03 19.00E–.03 0 ¶601993597
SIGU XI 22 03 51 32.2–.80 50N–2.0 19E–1.0 7–1 2.9
IDC XI 22 03 51 33.2–1.6 49.96N 19.13E 0 3.4,3.2
WAR XI 22 03 51 33.5 50.08N 19.15E 1 2.8W,3.2
PRU XI 22 03 51 33.1–.00 50.13N 19.07E 0 2.8W,3.2
VIE XI 22 03 51 38.9–3.8 49.41N 18.73E 8 2.5b,2.4L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.2km az=16.7.

IDC Error ellipse: s-maj=30.7km s-min=10.1km az=148.0.
PRU Event type ki.
VIE Error ellipse: s-maj=24.1km s-min=12.0km az=115.0. 21 km N of Zilina .

(543) Germany

ISC	**XI**	**22 08 25 11.2–.78**	**51.47N–.02**	**6.46E–.02**	**0**		**92**	**0-6**
GDNRW	XI	22 08 25 11.1–.24	51.52N	6.50E	1	2.3L		**¶602425721**
ISCJB	XI	22 08 25 11.6–.36	51.49N–.02	6.50E–.03	0	2.3L		
BUG	XI	22 08 25 11.5–.00	51.51N	6.49E	1	2.2L		
BGR	XI	22 08 25 12.6–.38	51.50N	6.52E	1	2.4L		
BNS	XI	22 08 25 12.9–1.1	51.49N	6.51E	1	2.1L		
LDG	XI	22 08 25 13.1–.18	51.49N	6.54E	1	2.9,2.9L		

ISC Event type ki.
GDNRW Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.0km s-min=2.0km az=151.0.
BUG Event type ki.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=114.0.
BNS Event type ki.
LDG Event type sr. Error ellipse: s-maj=3.5km s-min=1.8km az=176.0. Suspected Mining induced.

(543) Germany

ISC	**XI**	**22 15 43 13.3–.67**	**50.30N–.01**	**7.36E–.01**	**0**		**230**	**0-6**
ISCJB	XI	22 15 43 13.1–.15	50.288N–.01	7.45E–.01	0			**¶601993755**
BUG	XI	22 15 43 15.4–.00	50.36N	7.42E	1	2.7L		
LEDBW	XI	22 15 43 15.9–.15	50.32N	7.41E	10	2.8L		
BGR	XI	22 15 43 15.3–.16	50.32N	7.43E	10	2.9L		
BNS	XI	22 15 43 15.8–.40	50.30N	7.43E	11–1	2.6L		
GDNRW	XI	22 15 43 16.0–.50	50.33N	7.38E	11–3	2.8L		
STR	XI	22 15 43 16.4–.48	50N–3.0	7E–4.0	0	3.6,3.6		
LDG	XI	22 15 43 16.4–.07	50.27N	7.36E	10	3.3L,3.6		
PRU	XI	22 15 43 18.0–.00	50.42N	7.61E	13	3.3L,3.6		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=1.4km s-min=1.2km az=29.2.
BUG Event type ki.
LEDBW Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=329.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=63.0.
BNS Event type ke.
GDNRW Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=11.0.

(460) Wyoming

ISC	**XI**	**22 18 12 05.7–.91**	**44.12N–.05**	**105.31W–.05**	**0**		**31**	**1-15**
ISCJB	XI	22 18 12 04.2–.58	44.17N–.04	105.27W–.06	0			**¶602389847**
NEIC	XI	22 18 12 06.0–.73	44.26N	105.36W	0	3.0L		
ANF	XI	22 18 12 06.2–.44	44.05N	105.38W		3.3L		
IDC	XI	22 18 12 06.3–1.0	44.49N	105.78W	0	3.5,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.3km s-min=5.5km az=16.6.
NEIC Event type fm. Error ellipse: s-maj=12.5km s-min=8.8km az=154.0. 12 km [8 miles] ESE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=7.2km s-min=4.1km az=162.0.
IDC Error ellipse: s-maj=33.6km s-min=9.6km az=142.0.

(543) Germany

ISC	**XI**	**22 20 38 08.6–.74**	**52.99N–.03**	**9.17E–.03**	**0**		**127**	**1-12**
ISCJB	XI	22 20 38 07.8–.28	53.02N–.02	9.10E–.04	0			**¶601993793**
IDC	XI	22 20 38 10.5–1.4	52.97N	9.19E	0	3.5,3.3		
BGR	XI	22 20 38 11.7–.27	52.98N	9.24E	5	2.8L,3.3		
PRU	XI	22 20 38 11.8–.00	52.75N	8.93E	0	2.8L,3.3		
BNS	XI	22 20 38 12.5–.39	52.90N	9.19E	2	2.7L,3.3		
GDNRW	XI	22 20 38 12.0–.28	52.97N	9.15E	5	3.0L,3.3		
LDG	XI	22 20 38 13.0–.14	52.98N	9.13E	10	2.7L,3.3		
UPP	XI	22 20 38 14.7–2.2	53.32N	9.39E	0	2.3L,3.3		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.5km s-min=2.5km az=38.5.
IDC Error ellipse: s-maj=27.3km s-min=10.2km az=82.0.
BGR Event type ki. Error ellipse: s-maj=2.2km s-min=2.2km az=67.0.
BNS Event type ki.
GDNRW Event type ki.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=166.0.
UPP Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.

(326) Southwestern Siberia

NNC	**XI**	**23 06 19 44.6–7.2**	**53.14N**	**91.23E**	**0**	**4.1b,3.8**		
ASRS	XI	23 06 19 42.8	53.74N	91.09E		3.1,3.8		**¶602005539**

NNC Event type sm. Error ellipse: s-maj=56.7km s-min=48.9km az=69.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**23 09 56 46.5–1.8**	**67.61N–.05**	**34.1E–.10**	**0**		**37**	**2-12**
ISCJB	XI	23 09 56 44.8–1.3	67.54N–.04	33.9E–.20	0			**¶606804544**
HEL	XI	23 09 56 45.6–.50	67.56N	34.30E	0	2.5L		
KOLA	XI	23 09 56 46.3	67.68N	34.13E		1.8		
NAO	XI	23 09 56 51.5–1.8	67.57N	33.15E		2.7L		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=9.5km s-min=5.2km az=8.8.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=7.6km az=-1.0. Explosion.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(366) Turkey

ISC	**XI**	**23 11 38 02.3–1.1**	**38.25N–.05**	**38.20E–.05**	**0**		**14**	**0-1**
DDA	XI	23 11 38 01.9	38.18N	38.15E	7	2.5L		**¶602082261**
ISCJB	XI	23 11 38 03.4–.66	38.26N–.04	38.16E–.04	0	2.5L		
ISK	XI	23 11 38 03.0	38.29N	38.13E	5–0	1.5L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=4.3km az=40.9.
ISK Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**XI**	**23 14 05 17.4–1.1**	**37.25N–.08**	**42.65E–.03**	**0**		**19**	**0-2**
ISK	XI	23 14 05 16.8	37.23N	42.56E	8–0	2.8L		**¶602082273**
ISN	XI	23 14 05 16.4–.30	37.17N	42.67E	0	2.7L		
ISCJB	XI	23 14 05 18.2–.87	37.31N–.06	42.66E–.05	0	2.7L		
DDA	XI	23 14 05 19.3	37.32N	42.58E	7	2.6L		

ISC Event type sm.
ISK Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
ISCJB Event type sm. Error ellipse: s-maj=9.9km s-min=5.1km az=21.9.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC	**XI**	**23 21 03 22.7–.63**	**43.82N–.03**	**105.30W–.04**	**0**		**59**	**1-90**
ISCJB	XI	23 21 03 20.4–.34	43.83N–.03	105.21W–.04	0	4.3b		**¶602389907**
NEIC	XI	23 21 03 20.9–.60	43.95N	105.35W	0	3.0L		
IDC	XI	23 21 03 21.7–1.7	44.06N	105.67W	0	4.2b,4.1		
ANF	XI	23 21 03 22.0–.36	43.78N	105.25W		3.9L,4.1		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.5km s-min=3.5km az=26.6.
NEIC Event type fm. Error ellipse: s-maj=11.2km s-min=6.8km az=149.0. 42 km [26 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=65.3km s-min=7.7km az=146.0.
ANF Error ellipse: s-maj=5.2km s-min=4.4km az=129.0.

(547) Czech and Slovak Republics

ISC	**XI**	**23 22 29 27.1–.86**	**49.89N–.03**	**18.54E–.03**	**0**		**55**	**0-4**
ISCJB	XI	23 22 29 26.7–.42	49.89N–.03	18.45E–.03	0			**¶601994024**
VIE	XI	23 22 29 28.9–1.3	49.71N	18.43E	0	2.5L,2.1b		
IPEC	XI	23 22 29 28.8–.17	49.86N	18.51E	0–3	2.0L,2.1b		
PRU	XI	23 22 29 29.1–.00	49.87N	18.42E	0	2.0L,2.1b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.6km az=11.9.
VIE Event type sr. Error ellipse: s-maj=10.2km s-min=8.8km az=15.0. 19 km SE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=165.0.
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**24 02 28 23.7–1.8**	**67.51N–.04**	**33.52E–.10**	**0**		**48**	**2-12**
IDC	XI	24 02 28 22.0–2.6	67.57N	34.36E	0	3.5,3.5		**¶606804545**
KOLA	XI	24 02 28 24.6	67.68N	33.77E		1.6,3.5		
HEL	XI	24 02 28 24.0–.60	67.56N	33.77E	0	1.9L,3.5		
NAO	XI	24 02 28 25.9–1.9	67.55N	33.20E		2.6L,3.5		

ISC Event type kh.
IDC Error ellipse: s-maj=33.4km s-min=10.7km az=92.0.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=10.1km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(366) Turkey

ISC	**XI**	**24 10 07 51.0–1.0**	**37.08N–.05**	**27.94E–.03**	**0**		**13**	**0-1**
ISK	XI	24 10 07 50.6	37.25N	27.88E	30–1	1.9L		**¶602082332**
ISCJB	XI	24 10 07 51.7–.66	37.12N–.04	27.97E–.05	0	1.9L		
DDA	XI	24 10 07 52.2	37.16N	27.80E	7	2.5		

ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.7km s-min=4.4km az=35.1.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC	**XI**	**24 14 15 33.9–.94**	**37.22N–.03**	**37.23E–.03**	**0**		**18**	**0-1**
ISCJB	XI	24 14 15 34.0–.54	37.18N–.03	37.25E–.04	0			**¶602082350**
ISK	XI	24 14 15 33.7	37.18N	37.19E	9–0	1.8L		
DDA	XI	24 14 15 33.7	37.15N	37.23E	7	2.5		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.0km s-min=4.2km az=5.4.
ISK Event type sm. Suspected Mining explosion.
DDA Event type ke.

(547) Czech and Slovak Republics

ISC	**XI**	**24 22 47 56.0–.82**	**49.85N–.03**	**18.54E–.03**	**0**		**54**	**0-4**
ISCJB	XI	24 22 47 55.3–.40	49.86N–.02	18.43E–.03	0			**¶601994229**
VIE	XI	24 22 47 56.5–1.0	49.61N	18.59E	0	2.9L,2.3b		
IPEC	XI	24 22 47 57.3–.29	49.85N	18.56E	1–3	2.5L,2.3b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.4km s-min=2.4km az=24.6.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=5.8km az=78.0. 35 km SE of Ostrava . Suspected Mining induced.
IPEC Event type kr. Error ellipse: s-maj=1.9km s-min=1.4km az=75.0. Mining induced.

(536) Sweden

ISC	**XI**	**24 22 57 13.1–.93**	**67.09N–.05**	**20.82E–.04**	**0**		**26**	**2-8**
ISCJB	XI	24 22 57 11.5–.52	67.06N–.03	20.36E–.09	0			**¶602389946**
IDC	XI	24 22 57 15.0–.79	67.12N	21.19E	0	2.8,2.8		
BER	XI	24 22 57 16.2–2.8	67.10N	20.50E	0	1.5L,2.8		

ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=5.6km s-min=4.0km az=42.1.
IDC Error ellipse: s-maj=15.3km s-min=5.9km az=112.0.
BER Event type sh. Error ellipse: s-maj=11.3km s-min=16.9km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**XI**	**25 00 23 40.3–.10**	**67.82N**	**20.20E**	**0**	**1.9L**		
HEL	XI	25 00 23 40.9–.10	67.83N	20.16E	0	1.9L		**¶604158772**

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Explosion.

(369) Dodecanese Islands

ISC	**XI**	**25 00 29 39.7–1.1**	**36.63N–.03**	**27.98E–.02**	**4–10**		**39**	**0-3**
ATH	XI	25 00 29 39.4	36.64N	27.91E	19–6	2.4L		**¶602983935**
ISK	XI	25 00 29 39.1	36.64N	27.94E	5–0	2.5L		
DDA	XI	25 00 29 39.9	36.59N	27.98E	7	3.1L		

ATH Event type ke. Error ellipse: s-maj=6.9km s-min=1.2km az=76.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**25 03 55 07.6–1.9**	**67.61N–.04**	**34.00E–.09**	**0**		**78**	**0-12**
UPP	XI	25 03 55 10.6–2.6	67.63N	33.75E	0	1.9L		**¶602035748**
HEL	XI	25 03 55 11.0–.50	67.70N	33.75E	0	2.1L		
KOLA	XI	25 03 55 11.0	67.67N	33.78E	0	2.1L		
IDC	XI	25 03 55 13.4–2.4	67.67N	33.40E	0	3.4,3.4		
NAO	XI	25 03 55 16.3–2.2	67.57N	32.54E		2.9L,3.4		

ISC Event type km.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Explosion.
KOLA Event type km.
IDC Error ellipse: s-maj=25.3km s-min=9.2km az=77.0.

(326) Southwestern Siberia

NNC	**XI**	**26 08 40 48.7–2.0**	**53.50N**	**87.67E**	**0**	**3.6b,3.3**		
KRAR	XI	26 08 40 46.0–.13	53.52N	87.59E		2.4,3.3		**¶602032383**

NNC Event type sm. Error ellipse: s-maj=17.0km s-min=11.6km az=66.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(326) Southwestern Siberia

NNC	**XI**	**26 08 46 35.8–3.1**	**54.09N**	**87.33E**	**0**	**3.7b,3.5**		
								¶602032382

NNC Event type sm. Error ellipse: s-maj=32.3km s-min=15.8km az=11.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

EST	**XI**	**26 11 30 28.8–.10**	**59.25N**	**27.67E**	**0**	**1.3L**		
LVSN	XI	26 11 30 33.0–2.5	58.60N	25.53E	0–182	1.2L		**¶604541407**

EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=42.0km s-min=65.2km az=-1.0.

(366) Turkey

ISC	**XI**	**26 11 43 33.5–1.2**	**37.31N–.04**	**28.21E–.06**	**0**		**11**	**0-1**
DDA	XI	26 11 43 34.7	37.34N	28.01E	7	2.6L		**¶602082737**
ISCJB	XI	26 11 43 35.4–.77	37.36N–.04	28.08E–.06	0	2.6L		
ISK	XI	26 11 43 36.5	37.42N	27.87E	25–6	2.0L		

ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.9km s-min=5.3km az=3.5.
ISK Event type ke.

(329) Eastern Kazakhstan

ISC	**XI**	**27 07 20 16.3–1.2**	**50.00N–.05**	**78.06E–.08**	**0**		**10**	**1-6**
NNC	XI	27 07 20 19.2–.97	50.04N	78.82E	0	2.8b,2.4		**¶602034542**
IDC	XI	27 07 20 20.3–1.1	50.06N	78.73E	0	2.6,2.6		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.5km s-min=5.1km az=76.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.4km s-min=6.8km az=67.0.

(713) Central Kazakhstan

ISC	**XI**	**27 10 27 16.5–1.2**	**42.59N–.05**	**70.02E–.05**	**0**		**46**	**0-4**
ISCJB	XI	27 10 27 17.0–.70	42.54N–.02	70.06E–.05	0			**¶602034554**
KRNET	XI	27 10 27 16.9–.10	42.44N	70.14E	6	2.4b		
NNC	XI	27 10 27 18.1–.83	42.57N	70.11E	0	2.9b,2.4		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.8km s-min=2.9km az=172.6.
NNC Event type sm. Error ellipse: s-maj=6.4km s-min=3.1km az=87.0. Suspected Mining explosion.

(366) Turkey

ISC	**XI**	**27 15 28 44.7–.93**	**37.09N–.04**	**28.08E–.03**	**0**		**15**	**0-1**
ISCJB	XI	27 15 28 45.1–.58	37.09N–.04	28.06E–.04	0			**¶602082999**
DDA	XI	27 15 28 45.9	37.20N	28.18E	7	2.5L		
ISK	XI	27 15 28 46.2	37.02N	27.99E	19–1	1.9L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=4.6km az=28.9.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(536) Sweden

ISC	**XI**	**27 18 05 31.7–.71**	**67.07N–.02**	**20.97E–.02**	**0**		**82**	**0-11**
ISCJB	XI	27 18 05 30.5–.28	67.05N–.02	21.05E–.05	0			**¶604541454**
UPP	XI	27 18 05 31.3–.10	67.06N	20.94E	0	2.0L		

HEL XI 27 18 05 32.1 67.09N 21.08E 0 2.1L
NAO XI 27 18 05 32.1–1.1 67.06N 21.17E 2.6L
IDC XI 27 18 05 33.8–.77 67.01N 21.49E 0 3.3,3.3
BER XI 27 18 05 34.7–3.6 67.05N 21.01E 0 2.6L,1.7L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.0km s-min=2.8km az=169.2.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=6.9km az=112.0.
BER Event type sh. Error ellipse: s-maj=8.0km s-min=27.5km az=-1.0. Suspected explosion.

(460) Wyoming

ISC XI 27 19 09 36.0–1.1 43.52N–.07 105.37W–.06 0 12 1-9
IDC XI 27 19 09 33.6–2.4 43.25N 105.47W 0 3.7,3.5 **¶602390073**
ISCJB XI 27 19 09 35.7–.70 43.53N–.06 105.34W–.09 0 3.7,3.5
NEIC XI 27 19 09 37.2–1.1 43.55N 105.23W 0 3.0L,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=55.6km s-min=10.3km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=9.4km s-min=9.2km az=14.2.
NEIC Event type fm. Error ellipse: s-maj=16.6km s-min=13.7km az=152.0. 85 km [53 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC XI 27 21 26 35.6–.62 50.27N–.02 18.73E–.01 0 123 0-41
SIGU XI 27 21 26 34.6 50.28N 18.78E 6 2.5b **¶601994889**
ISCJB XI 27 21 26 34.5–.28 50.28N–.02 18.66E–.02 0 3.1b
IDC XI 27 21 26 35.9–1.4 50.09N 18.85E 0 3.4,3.3
IPEC XI 27 21 26 35.5–.22 50.28N 18.80E 2–1 2.5L,3.3
BGR XI 27 21 26 36.5–.34 50.31N 18.77E 1 3.0L,3.3
WAR XI 27 21 26 36.1 50.27N 18.82E 1 3.1W,3.3
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.5km s-min=1.8km az=8.1.
IDC Error ellipse: s-maj=27.8km s-min=8.3km az=139.0.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=169.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=4.4km az=6.0.

(369) Dodecanese Islands

ISC XI 27 22 44 04.1–.76 38.98N–.01 22.17E–.01 18–2 3.7b 346 0-119
IDC XI 27 22 44 01.1–.94 38.92N 22.14E 0 3.7,3.6 **¶602083108**
BEO XI 27 22 44 02.4–.80 38.89N 22.26E 10 3.5L,3.6
THE XI 27 22 44 03.7 38.98N 22.16E 13–0 3.6L,3.6
PDG XI 27 22 44 03.3–.51 39.03N 22.20E 12–1 3.5L,3.6
ATH XI 27 22 44 03.1 39.00N 22.18E 24–0 3.4L,3.6
ISK XI 27 22 45 33.8 36.62N 27.96E 4–0 2.4L,3.6
DDA XI 27 22 45 34.4 36.58N 27.98E 7 2.6L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=14.8km az=83.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=279.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ATH Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=203.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XI 28 01 36 32.2–1.2 50.37N–.04 18.89E–.02 3–10 42 0-4
WAR XI 28 01 36 32.2 50.36N 18.92E 1 2.6W **¶601994930**
ISC Event type ke.

(326) Southwestern Siberia

NNC XI 28 04 50 16.1–2.3 53.38N 90.25E 0 4.2b,3.9
ASRS XI 28 04 50 02.5 53.69N 91.07E 2.7,3.9 **¶602036335**
NNC Event type sm. Error ellipse: s-maj=18.3km s-min=15.8km az=87.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(326) Southwestern Siberia

NNC XI 28 07 44 12.6–2.5 54.31N 86.49E 0 3.5b,3.4 ¶602036352
NNC Event type sm. Error ellipse: s-maj=44.9km s-min=12.6km az=166.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 28 08 47 42.5–.67 59.79N–.02 23.98E–.03 0 84 0-10
ISCJB XI 28 08 47 42.3–.31 59.85N–.02 24.06E–.04 0 **¶601994985**
HEL XI 28 08 47 44.0–.10 59.81N 23.99E 0 2.5L,2.3L
NAO XI 28 08 47 44.2–1.0 59.78N 24.06E 2.7L,2.3L
IDC XI 28 08 47 45.3–1.0 59.88N 24.03E 0 3.6,3.6
LVSN XI 28 08 47 45.1–4.5 59.78N 24.01E 0–46 2.7L,3.6
BER XI 28 08 47 45.2–2.8 59.77N 24.03E 0 2.7L,3.6
UPP XI 28 08 47 46.7–3.9 59.92N 23.64E 0–29 2.3L,3.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.0km s-min=3.0km az=158.1.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=13.9km s-min=9.3km az=166.0.
LVSN Error ellipse: s-maj=12.5km s-min=34.5km az=-1.0.
BER Event type sh. Error ellipse: s-maj=8.3km s-min=12.6km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 28 11 11 05.2–.68 59.75N–.02 23.94E–.04 0 69 1-10
ISCJB XI 28 11 11 06.1–.38 59.80N–.03 23.83E–.05 0 **¶601995013**
IDC XI 28 11 11 07.5–1.1 59.79N 24.00E 0 3.4,3.3
HEL XI 28 11 11 07.2–.10 59.77N 23.85E 0 2.4L,2.4L
NAO XI 28 11 11 07.0–1.0 59.72N 24.03E 2.4L,2.4L
UPP XI 28 11 11 08.9–2.4 59.81N 23.60E 0 2.4L,2.4L
BER XI 28 11 11 08.5–3.9 59.73N 23.86E 0 2.4L,2.4L
LVSN XI 28 11 11 08.7–3.7 59.80N 23.96E 0–39 2.6L,2.4L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.2km s-min=3.3km az=139.4.
IDC Error ellipse: s-maj=12.9km s-min=6.5km az=143.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Event type sh. Error ellipse: s-maj=10.8km s-min=17.9km az=-1.0. Suspected explosion.
LVSN Error ellipse: s-maj=10.3km s-min=28.4km az=-1.0.

(326) Southwestern Siberia

NNC XI 28 13 07 54.3–2.1 53.68N 87.43E 0 3.8b,3.4
KRAR XI 28 13 07 50.0–.23 53.68N 87.41E 2.7,3.4 **¶602036389**
NNC Event type sm. Error ellipse: s-maj=17.5km s-min=9.5km az=45.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(366) Turkey

ISC XI 28 13 34 57.5–.95 39.79N–.05 33.14E–.04 0 15 0-1
ISK XI 28 13 34 56.5 39.96N 33.11E 11–1 2.0L **¶602083313**
DDA XI 28 13 34 56.8 39.77N 33.23E 8 2.6L
ISCJB XI 28 13 34 58.2–.65 39.88N–.04 33.11E–.05 0 2.6L
ISC Event type sm.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm.

(548) Poland

ISC XI 28 13 41 02.2–.87 50.16N–.04 19.30E–.02 0 33 0-4
ISCJB XI 28 13 41 00.8–.63 50.22N–.04 19.22E–.03 0 **¶601995033**
PRU XI 28 13 41 02.6–.00 50.21N 19.26E 0
WAR XI 28 13 41 02.7 50.18N 19.34E 1 2.8W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.9km az=17.0.
PRU Event type ki.

(460) Wyoming

ISC XI 28 20 25 16.9–1.3 43.64N–.08 105.08W–.06 0 12 1-9
NEIC XI 28 20 25 13.9–.69 43.15N 104.98W 0 3.2L **¶602390133**
IDC XI 28 20 25 14.4–3.0 42.92N 105.03W 0 3.5,3.3
ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=10.2km s-min=8.3km az=52.0. 54 km [34 miles] NE of Douglas. Suspected Mining explosion.
IDC Error ellipse: s-maj=60.3km s-min=10.7km az=161.0.

(460) Wyoming

ISC XI 28 20 48 05.7–.95 43.60N–.04 105.20W–.04 0 23 1-9
ISCJB XI 28 20 48 04.8–.50 43.65N–.04 105.14W–.06 0 **¶602390134**
IDC XI 28 20 48 04.5–2.6 43.32N 105.21W 0 3.4,3.3
ANF XI 28 20 48 05.1–.77 43.58N 105.21W 3.1L,3.3
NEIC XI 28 20 48 06.0–.69 43.65N 105.08W 0 3.0L,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.6km s-min=4.7km az=35.7.
IDC Error ellipse: s-maj=56.9km s-min=9.4km az=155.0.
ANF Error ellipse: s-maj=16.9km s-min=6.3km az=139.0.
NEIC Event type fm. Error ellipse: s-maj=10.4km s-min=9.5km az=162.0. 74 km [46 miles] WSW of Newcastle. Suspected Mining explosion.

(460) Wyoming

ISC XI 28 21 31 11.1–.66 43.62N–.04 105.24W–.03 0 3.1s 39 1-90
ISCJB XI 28 21 31 10.3–.45 43.67N–.04 105.19W–.05 0 3.7b,3.0s **¶602390135**
IDC XI 28 21 31 10.8–1.6 43.58N 105.37W 0 3.8b,3.7
NEIC XI 28 21 31 11.8–.74 43.71N 105.18W 0 2.8,3.7
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.0km az=30.5.
IDC Error ellipse: s-maj=41.0km s-min=9.7km az=151.0.
NEIC Event type fm. Error ellipse: s-maj=12.8km s-min=8.7km az=173.0. 70 km [43 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC XI 29 00 04 55.8–.88 37.44N–.02 27.72E–.03 0 25 0-1
ISCJB XI 29 00 04 55.9–.44 37.46N–.02 27.70E–.04 0 **¶602083379**
ISK XI 29 00 04 55.9 37.45N 27.67E 7–0 2.3L
DDA XI 29 00 04 56.4 37.44N 27.76E 7 2.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=3.3km az=14.4.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

NNC XI 29 06 24 33.7–3.1 54.44N 87.25E 0 3.5b,3.3 ¶602037334
NNC Event type sm. Error ellipse: s-maj=26.6km s-min=11.4km az=12.0. Suspected Mining explosion.

(326) Southwestern Siberia

ASRS XI 29 08 10 28.6 53.74N 91.09E 2.7
NNC XI 29 08 10 39.6–1.7 53.48N 90.68E 0 3.9b,3.5 **¶602037329**
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=13.9km s-min=12.5km az=93.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC XI 29 08 26 57.3–2.4 54.45N 86.20E 0 3.7b,3.1 ¶602037327
NNC Event type sm. Error ellipse: s-maj=29.5km s-min=15.8km az=157.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC XI 29 09 45 43.7–3.2 53.46N 87.74E 2–23 3.9b,3.6 ¶602037320
NNC Event type sm. Error ellipse: s-maj=27.1km s-min=14.4km az=81.0. Suspected Mining explosion.

(366) Turkey

ISC XI 29 13 34 07.6–.94 40.65N–.03 39.95E–.04 0 16 0-1
ISK XI 29 13 34 08.9 40.61N 39.87E 18–0 2.4L **¶602083434**
ISCJB XI 29 13 34 09.9–.53 40.64N–.03 39.87E–.04 0 2.4L
DDA XI 29 13 34 10.3 40.64N 39.86E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.8km s-min=3.8km az=146.2.
DDA Event type sm. Suspected Mining explosion.

(456) Montana

ISC XI 29 22 48 31.9–1.4 45.1N–.10 106.42W–.10 0 7 2-9
ISCJB XI 29 22 48 30.8–1.4 45.2N–.10 106.4W–.10 0 **¶602390199**
NEIC XI 29 22 48 32.3–1.6 45.09N 106.37W 0 2.7L
IDC XI 29 22 48 36.0–1.3 45.10N 106.00W 0 3.3,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=23.3km s-min=9.8km az=154.0.
NEIC Event type fm. Error ellipse: s-maj=29.4km s-min=12.6km az=135.0. 56 km [35 miles] NE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=173.2km s-min=9.6km az=139.0.

(548) Poland

ISC XI 29 22 58 46.3–.96 51.49N–.04 16.18E–.03 0 38 1-4
ISCJB XI 29 22 58 45.8–.68 51.42N–.03 16.16E–.04 0 **¶601995310**
VIE XI 29 22 58 48.3–3.5 51.29N 16.26E 0 2.6L,2.2b
PRU XI 29 22 58 48.4–.00 51.43N 16.13E 0 2.6L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.8km s-min=3.3km az=27.0.
VIE Event type sr. Error ellipse: s-maj=17.1km s-min=8.3km az=162.0. 57 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(366) Turkey

ISC XI 30 06 07 58.8–.81 37.25N–.02 28.56E–.03 0 29 0-3
ISCJB XI 30 06 07 58.9–.42 37.23N–.03 28.62E–.03 0 **¶602083478**
DDA XI 30 06 07 58.4 37.23N 28.61E 7 2.8L
ISK XI 30 06 07 58.6 37.18N 28.65E 12–0 2.4L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.8km s-min=3.5km az=33.6.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

KRAR XI 30 08 13 59.4–.10 53.47N 87.78E 2.7
NNC XI 30 08 14 05.0–3.5 53.35N 87.66E 0 3.9b,3.6 **¶602042773**
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=32.2km s-min=23.5km az=167.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 30 10 02 27.4–.00 67.49N–.03 33.32E–.05 0 53 0-12
ISCJB XI 30 10 02 23.5–.97 67.51N–.03 33.7E–.10 0 **¶606804549**
HEL XI 30 10 02 24.4–.30 67.56N 34.08E 0 2.4L
KOLA XI 30 10 02 25.7 67.64N 33.91E 1.9
IDC XI 30 10 02 27.5–2.9 67.71N 33.58E 0 3.5,3.5
NAO XI 30 10 02 29.8–2.2 67.52N 32.86E 2.9L,3.5
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=8.3km s-min=4.1km az=171.5.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=5.9km az=-1.0. Explosion.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=32.8km s-min=10.1km az=72.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(548) Poland

ISC XI 30 10 42 59.8–1.0 50.30N–.05 18.75E–.03 0 25 0-4
ISCJB XI 30 10 42 58.8–.77 50.37N–.05 18.74E–.04 0 **¶601995429**
PRU XI 30 10 43 00.2–.00 50.35N 18.77E 0
WAR XI 30 10 43 01.8 50.34N 18.70E 1 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.4km s-min=3.4km az=12.7.
PRU Event type ki.

(548) Poland

ISC XII 01 03 14 07.2–1.2 50.15N–.04 19.02E–.04 0 17 0-4
ISCJB XII 01 03 14 04.1–.55 50.16N–.03 18.92E–.04 0 **¶601995557**
PRU XII 01 03 14 05.0–.00 50.17N 18.96E 0
WAR XII 01 03 14 17.7 50.21N 19.10E 1 2.3W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=3.3km az=23.5.
PRU Event type ki.

(326) Southwestern Siberia

NNC XII 01 06 30 00.5–4.1 53.43N 90.31E 0 4.1b,3.8

ASRS XII 01 06 29 46.8 53.70N 91.02E 3.6,3.8 ¶602042814
NNC Event type sm. Error ellipse: s-maj=32.9km s-min=29.0km az=88.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(366) Turkey

ISC XII 01 09 39 59.8–1.1 39.73N–.04 29.43E–.06 0 16 1-2
ISCJB XII 01 09 39 59.8–.77 39.68N–.04 29.46E–.06 0 ¶602329891
ISK XII 01 09 39 59.5 39.60N 29.34E 11–0 2.3L
DDA XII 01 09 40 00.4 39.67N 29.43E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.8km s-min=4.7km az=41.4.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XII 01 23 34 14.4–.44 51.60N–.02 16.17E–.02 0 3.7b 221 1-84
ISCJB XII 01 23 34 13.4–.21 51.54N–.01 16.12E–.02 0 3.7b ¶601995708
LDG XII 01 23 34 14.8–.20 51.56N 16.23E 1 4.4L
IPEC XII 01 23 34 15.4–.29 51.55N 16.26E 0 3.5L
PRU XII 01 23 34 16.5–.00 51.53N 16.14E 0 3.5L
IDC XII 01 23 34 16.1–.46 51.54N 16.08E 0 3.8,3.7
BGR XII 01 23 34 16.2–.48 51.53N 16.18E 1 4.0L,3.7
BNS XII 01 23 34 16.0–.27 51.47N 16.19E 1 3.6L,3.7
VIE XII 01 23 34 18.8–.57 51.30N 16.18E 0 3.8s,3.5L
UPP XII 01 23 34 18.9–2.9 51.73N 15.49E 0 2.6L,3.5L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.1km s-min=1.9km az=16.8.
LDG Event type sr. Error ellipse: s-maj=5.2km s-min=3.3km az=8.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=33.0.
PRU Event type ki.
IDC Error ellipse: s-maj=8.8km s-min=5.3km az=105.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=24.0.
BNS Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=4.7km az=58.0. 62 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(326) Southwestern Siberia

KRAR XII 02 00 15 48.1–.14 52.82N 87.86E 2.8
NNC XII 02 00 15 55.0–1.2 52.86N 87.58E 0 4.0b,3.6 ¶602042843
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=10.2km s-min=6.0km az=87.0. Suspected Mining explosion.

(536) Sweden

ISC XII 02 00 33 30.8–.89 67.83N–.03 20.22E–.03 0 27 0-2
ISCJB XII 02 00 33 29.9–.58 67.79N–.03 20.3E–.10 0 ¶604158814
UPP XII 02 00 33 30.7–.10 67.84N 20.19E 0 1.7L
HEL XII 02 00 33 30.0 67.83N 19.93E 0 1.7L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.2km s-min=3.9km az=153.3.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(548) Poland

PRU XII 02 00 48 00.5–.00 51.50N 16.12E 0 ¶601995717
PRU Event type ki.

(642) Norwegian Sea

ISC XII 02 04 12 49.0–1.5 70.43N–.07 12.42E–.07 10 108 2-11
BER XII 02 04 12 51.9–2.9 70.45N 12.46E 10 2.4L,1.9L ¶602046951
IDC XII 02 04 12 52.1–2.9 70.28N 13.07E 0 3.2,3.1
NAO XII 02 04 12 53.0–4.4 70.40N 12.55E 28–47 2.4L,3.1
UPP XII 02 04 12 54.7–2.2 70.26N 13.24E 0 1.8L,3.1
HEL XII 02 04 12 54.6 70.36N 13.22E 10 2.5L,3.1
ISC Event type ke.
BER Error ellipse: s-maj=7.8km s-min=23.7km az=-1.0.
IDC Error ellipse: s-maj=31.3km s-min=15.5km az=144.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.

(366) Turkey

ISC XII 02 18 08 52.8–1.1 37.42N–.03 27.80E–.04 0 17 0-1
ISK XII 02 18 08 51.8 37.45N 27.65E 5–0 2.5L ¶602329999
ISCJB XII 02 18 08 52.4–.68 37.43N–.03 27.74E–.05 0 2.5L
DDA XII 02 18 08 52.3 37.45N 27.73E 7 2.4L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=4.0km az=33.4.
DDA Event type sm. Suspected Mining explosion.

(369) Dodecanese Islands

ISC XII 03 01 26 31.9–.86 36.69N–.03 28.05E–.02 13–6 54 0-3
ATH XII 03 01 26 30.6 36.73N 28.09E 22–11 2.9L ¶602330028
THE XII 03 01 26 31.7 36.65N 27.99E 0–2 2.7L
DDA XII 03 01 26 31.2 36.59N 27.99E 7 3.0L
ISK XII 03 01 26 31.5 36.68N 27.96E 5–0 2.9L
ISC Event type se.
ATH Event type ke. Error ellipse: s-maj=15.4km s-min=1.6km az=212.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=93.0.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

IDC XII 03 08 17 15.8–2.5 55.46N 86.49E 0 3.2,3.2
NNC XII 03 08 17 10.4–2.0 55.93N 86.22E 1–17 3.6b,3.3 ¶602042891
IDC Error ellipse: s-maj=22.4km s-min=18.3km az=66.0.
NNC Event type sm. Error ellipse: s-maj=20.8km s-min=18.8km az=139.0. Suspected Mining explosion.

(721) Finland

ISC XII 03 11 46 15.4–1.4 63.06N–.05 27.6E–.10 0 37 2-8
ISCJB XII 03 11 46 16.0–1.0 63.11N–.04 27.7E–.20 0 ¶606860094
IDC XII 03 11 46 17.6–1.5 63.03N 27.86E 0 3.2,3.1
UPP XII 03 11 46 17.5–2.9 62.89N 27.42E 0 1.8L,3.1
NAO XII 03 11 46 17.2–1.2 63.09N 27.67E 2.1L,3.1
BER XII 03 11 46 18.0–4.3 63.03N 27.81E 0 2.1L,3.1
ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=13.0km s-min=6.3km az=4.7.
IDC Error ellipse: s-maj=20.2km s-min=5.4km az=103.0.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
BER Event type sh. Error ellipse: s-maj=10.8km s-min=53.8km az=-1.0. Suspected explosion.

(366) Turkey

ISC XII 03 14 29 13.8–.88 37.15N–.04 37.07E–.04 0 16 0-1
ISCJB XII 03 14 29 14.2–.54 37.18N–.03 37.07E–.04 0 ¶602330051
ISK XII 03 14 29 14.2 37.17N 37.12E 8–0 2.1L
DDA XII 03 14 29 16.1 37.14N 37.18E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=4.5km az=154.7.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC XII 03 14 38 27.0–1.1 39.90N–.05 33.04E–.04 0 17 0-1
ISK XII 03 14 38 25.7 39.92N 33.05E 7–0 2.0L ¶602330052
ISCJB XII 03 14 38 26.1–.78 39.93N–.04 33.07E–.04 0 2.0L
DDA XII 03 14 38 27.0 39.90N 33.09E 7 2.7L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.3km s-min=4.5km az=22.6.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XII 03 16 32 53.1–.66 51.56N–.03 16.17E–.02 0 99 1-19
ISCJB XII 03 16 32 52.4–.29 51.51N–.02 16.16E–.03 0 ¶601995999
IDC XII 03 16 32 55.8–1.1 51.50N 15.87E 0 3.5,3.3
PRU XII 03 16 32 56.4–.00 51.46N 16.17E 0 3.5,3.3
BGR XII 03 16 32 56.2–.69 51.45N 16.11E 1 3.0L,3.3
VIE XII 03 16 32 58.0–.64 51.23N 16.22E 0 3.1L,2.5b
UPP XII 03 16 32 59.3–3.1 51.79N 15.66E 0 1.8L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=2.2km az=36.9.
IDC Error ellipse: s-maj=15.9km s-min=9.4km az=115.0.
PRU Event type ki. Felt In Harrachov.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=23.0.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=4.4km az=44.0. 57 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.

(326) Southwestern Siberia

KRAR XII 04 08 36 19.0–.11 53.60N 87.63E 1.9
NNC XII 04 08 36 20.0–3.1 53.38N 87.61E 0 3.5b,3.2 ¶602051449
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=23.9km s-min=17.0km az=70.0. Suspected Mining explosion.

(326) Southwestern Siberia

NNC XII 04 08 38 43.1–4.7 53.89N 87.42E 0 3.5b,3.3
KRAR XII 04 08 39 10.0–.12 54.02N 87.85E 2.2,3.3 ¶602051450
NNC Event type sm. Error ellipse: s-maj=68.9km s-min=26.2km az=13.0. Suspected Mining explosion.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(723) Finland-Karelia border region

ISC XII 04 09 59 24.2–1.0 64.74N–.03 30.70E–.05 0 70 1-10
ISCJB XII 04 09 59 21.5–.58 64.66N–.03 30.72E–.10 0 ¶601996033
UPP XII 04 09 59 23.6–3.0 64.45N 30.82E 0 1.8L
HEL XII 04 09 59 24.7–.20 64.68N 30.66E 0 2.2L
KOLA XII 04 09 59 24.1 64.61N 31.51E 0 2.2L
IDC XII 04 09 59 26.9–2.1 64.66N 30.53E 0 3.0,2.8
BER XII 04 09 59 26.0–4.9 64.73N 30.64E 0 2.0L,2.8
NAO XII 04 09 59 26.3–1.8 64.77N 30.39E 2.0L,2.8
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.1km s-min=3.7km az=17.2.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=6.0km az=-1.0. Explosion.
KOLA Event type km.
IDC Error ellipse: s-maj=27.2km s-min=8.5km az=102.0.
BER Event type sh. Error ellipse: s-maj=9.3km s-min=65.6km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(329) Eastern Kazakhstan

ISC XII 04 11 07 43.5–1.5 48.64N–.03 77.6E–.10 0 11 2-5
NNC XII 04 11 07 45.6–2.4 48.55N 77.83E 0 3.1b,2.7 ¶602051465
SOME XII 04 11 07 46.8 48.72N 77.73E 10 3.1b,2.7
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.1km s-min=10.3km az=72.0. Suspected Mining explosion.

(548) Poland

ISC XII 04 11 19 35.1–1.8 51.40N–.08 16.12E–.05 0 28 1-4
ISCJB XII 04 11 19 32.7–1.1 51.44N–.05 16.06E–.05 0 ¶601996693
PRU XII 04 11 19 33.6–.00 51.50N 16.15E 0
VIE XII 04 11 19 39.1–1.3 51.12N 16.36E 0 2.5L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=7.4km s-min=3.8km az=26.1.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=13.3km s-min=6.1km az=13.0. 45 km W of Wroclaw . Suspected Mining induced.

(326) Southwestern Siberia

KRAR XII 05 08 32 55.0–.19 53.59N 87.70E 2.7
NNC XII 05 08 32 55.9–4.8 53.42N 87.69E 0 3.5b,3.2 ¶602051492
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=38.6km s-min=20.1km az=58.0. Suspected Mining explosion.

(536) Sweden

HEL XII 05 09 30 29.3–.20 67.88N 20.09E 0 1.8L,0.9L ¶607298454
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=1.1km az=-1.0. Explosion.

(326) Southwestern Siberia

IDC XII 06 08 33 15.9–2.5 54.26N 86.67E 0 3.2,3.2
NNC XII 06 08 33 13.4–3.7 54.15N 86.86E 0 3.5b,3.3 ¶602052131
IDC Error ellipse: s-maj=20.4km s-min=12.2km az=61.0.
NNC Event type sm. Error ellipse: s-maj=35.5km s-min=17.7km az=10.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC XII 06 08 40 52.0–2.4 54.46N 86.27E 0 3.2,3.2
NNC XII 06 08 40 47.7–2.5 54.57N 86.49E 0 3.3b,3.1 ¶602052133
IDC Error ellipse: s-maj=19.8km s-min=12.3km az=51.0.
NNC Event type sm. Error ellipse: s-maj=36.2km s-min=13.0km az=155.0. Suspected Mining explosion.

(326) Southwestern Siberia

KRAR XII 06 09 50 21.0–.21 53.25N 87.33E 2.5
NNC XII 06 09 50 32.5–3.4 53.50N 87.66E 0 3.7b,3.3 ¶602052142
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=26.8km s-min=20.2km az=19.0. Suspected Mining explosion.

(326) Southwestern Siberia

KRAR XII 07 08 04 20.0–.12 53.68N 91.00E 2.2
NNC XII 07 08 04 28.2–3.0 53.40N 90.46E 0 3.6b,3.3 ¶602054359
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=31.5km s-min=22.8km az=167.0. Suspected Mining explosion.

(383) Northwestern Balkan Peninsula

VIE XII 07 12 31 54.8–1.1 46.41N 14.80E 0 0.7L ¶604497314
VIE Event type sm. Error ellipse: s-maj=8.6km s-min=2.2km az=165.0. 18 km ESE of Eisenkappel . Suspected Mining explosion.

(546) Austria

VIE XII 07 12 59 33.6–.61 47.21N 15.55E 0 1.2L,0.0b ¶604497315
VIE Event type sm. Error ellipse: s-maj=7.0km s-min=1.3km az=93.0. 6 km W of Weiz . Suspected Mining explosion.

(547) Czech and Slovak Republics

PRU XII 07 19 46 20.5–.00 49.84N 18.51E 0 ¶602033927
PRU Event type ki.

(536) Sweden

UPP XII 08 00 19 48.6–.00 67.83N 20.20E 0 1.9L
HEL XII 08 00 19 48.8 67.81N 20.17E 0 1.9L ¶604030204
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.

(326) Southwestern Siberia

IDC XII 08 05 06 39.5–3.0 54.48N 86.53E 0 3.1,3.1
NNC XII 08 05 06 40.6–5.9 54.32N 86.50E 0 3.6b,3.3 ¶602055813
IDC Error ellipse: s-maj=23.5km s-min=14.5km az=54.0.
NNC Event type sm. Error ellipse: s-maj=57.8km s-min=39.7km az=153.0. Suspected Mining explosion.

(366) Turkey

ISC XII 08 13 56 40.3–.98 37.50N–.04 28.15E–.05 0 15 0-1
ISCJB XII 08 13 56 41.2–.56 37.45N–.04 28.11E–.05 0 ¶602330371
ISK XII 08 13 56 41.5 37.44N 28.06E 8–0 2.1L
DDA XII 08 13 56 42.3 37.50N 28.09E 8 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.0km s-min=4.5km az=42.3.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(366) Turkey

ISC XII 08 14 31 18.7–1.0 41.00N–.06 38.12E–.04 0 15 0-2

ISCJB XII 08 14 31 19.4–.55 40.95N–.05 38.05E–.04 0 ¶602330375
DDA XII 08 14 31 19.1 40.97N 38.06E 7 2.6L
ISK XII 08 14 31 19.0 41.05N 38.08E 10–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.4km s-min=3.5km az=25.8.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC XII 08 15 29 39.1–1.1 40.04N–.04 33.24E–.06 0 11 0-2
ISCJB XII 08 15 29 39.4–.65 40.01N–.04 33.24E–.06 0 ¶602330377
DDA XII 08 15 29 39.5 40.12N 33.01E 7 2.5L
ISK XII 08 15 29 39.5 40.02N 33.18E 12–0 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.3km s-min=4.6km az=36.6.
DDA Event type ke.
ISK Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 08 17 48 46.3–.97 37.09N–.03 28.80E–.04 0 18 0-1
DDA XII 08 17 48 44.7 37.07N 28.84E 7 2.6L ¶602330381
ISCJB XII 08 17 48 45.2–.53 37.09N–.03 28.81E–.05 0 2.6L
ISK XII 08 17 48 45.8 37.03N 28.79E 8–0 2.1L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.6km s-min=4.1km az=18.8.
ISK Event type ke.
(460) Wyoming
ISC XII 08 21 00 13.2–1.4 43.98N–.09 105.5W–.10 0 16 3-19
ISCJB XII 08 21 00 10.7–1.3 44.1N–.10 105.4W–.20 0 ¶602390848
IDC XII 08 21 00 12.5–1.7 43.88N 105.57W 0 3.4,3.2
NEIC XII 08 21 00 13.1–1.1 44.11N 105.48W 0 3.1L,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=22.7km s-min=7.6km az=42.6.
IDC Error ellipse: s-maj=44.5km s-min=9.1km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=19.8km s-min=7.5km az=135.0. 21 km [13 miles] S of Gillette. Suspected Mining explosion.
(548) Poland
ISC XII 09 00 21 17.4–.46 51.58N–.02 16.11E–.02 0 3.7b 274 1-84
ISCJB XII 09 00 21 16.8–.19 51.52N–.01 16.11E–.02 0 3.6b ¶602032212
BNS XII 09 00 21 16.1–.78 51.64N 16.60E 1 3.7L
IDC XII 09 00 21 18.8–.55 51.55N 15.98E 0 3.8,3.7b
IPEC XII 09 00 21 18.8–.38 51.57N 16.16E 1–2 3.4L,3.7b
MOS XII 09 00 21 18.7–.97 51.55N 16.10E 10 4.0b,3.7b
BGR XII 09 00 21 18.6–.36 51.59N 16.17E 1 3.8L,3.7b
PRU XII 09 00 21 19.7–.00 51.54N 16.11E 0 3.8L,3.7b
LDG XII 09 00 21 19.1–.24 51.61N 16.18E 1 4.2L,3.7b
VIE XII 09 00 21 21.2–.50 51.34N 16.28E 0 3.8s,3.6L
UPP XII 09 00 21 21.9–2.7 51.78N 15.77E 0 2.3L,3.6L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=1.7km s-min=1.6km az=13.0.
BNS Event type ki.
IDC Error ellipse: s-maj=9.9km s-min=6.7km az=94.0.
IPEC Event type ki. Error ellipse: s-maj=3.9km s-min=1.8km az=59.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=86.8.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=3.3km az=39.0.
PRU Event type ki. Felt In Harrachov.
LDG Event type sr. Error ellipse: s-maj=6.6km s-min=4.1km az=1.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=4.5km s-min=3.3km az=21.0. 57 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(536) Sweden
ISC XII 10 00 17 34.5–.86 67.82N–.03 20.23E–.03 0 41 0-4
ISCJB XII 10 00 17 33.8–.49 67.82N–.03 20.22E–.08 0 ¶604158861
HEL XII 10 00 17 33.3 67.87N 19.98E 0 1.7L
UPP XII 10 00 17 34.3–.00 67.83N 20.20E 0 1.9L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.6km s-min=3.8km az=173.5.
HEL Event type kh. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
(713) Central Kazakhstan
ISC XII 10 09 31 40.7–2.6 42.98N–.06 70.3E–.10 0 33 0-4
NNC XII 10 09 31 44.5–.34 43.08N 70.54E 0 2.6b,2.5 ¶602056864
KRNET XII 10 09 31 46.1–.10 42.51N 70.43E 1.8b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=1.7km s-min=0.4km az=141.0. Suspected Mining explosion.
(366) Turkey
ISC XII 11 06 42 17.8–1.0 38.24N–.05 32.88E–.05 0 14 0-1
ISCJB XII 11 06 42 17.8–.67 38.23N–.05 32.85E–.05 0 ¶602330472
ISK XII 11 06 42 17.9 38.23N 32.80E 15–0 2.0L
DDA XII 11 06 42 18.3 38.20N 32.82E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=8.1km s-min=4.8km az=160.0.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 11 06 52 30.6–.98 38.31N–.04 31.91E–.04 0 16 0-2
ISCJB XII 11 06 52 31.9–.58 38.30N–.04 31.85E–.04 0 ¶602330473
DDA XII 11 06 52 32.6 38.30N 31.92E 7 2.8L
ISK XII 11 06 52 32.5 38.31N 31.95E 20–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=4.9km az=173.0.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(329) Eastern Kazakhstan
ISC XII 11 07 16 48.3–.92 50.01N–.05 78.75E–.05 0 34 1-9
ISCJB XII 11 07 16 47.0–.59 49.99N–.03 78.61E–.08 0 ¶602058043
NNC XII 11 07 16 47.4–.47 50.01N 78.74E 0 3.4b,3.0
IDC XII 11 07 16 48.4–.99 50.07N 78.81E 0 3.2,3.2
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.9km s-min=3.6km az=170.1.
NNC Event type sm. Error ellipse: s-maj=7.0km s-min=2.5km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.7km s-min=6.3km az=64.0.
(326) Southwestern Siberia
KRAR XII 11 09 00 04.0–.05 53.50N 87.68E 2.4
NNC XII 11 09 00 08.0–2.2 53.48N 87.67E 0–16 3.6b,3.2 ¶602058049
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=19.4km s-min=8.3km az=75.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC XII 11 10 59 11.0–1.1 51.44N–.05 82.05E–.06 0 13 2-5
ISCJB XII 11 10 59 09.9–.93 51.35N–.06 82.17E–.10 0 ¶602058056
NNC XII 11 10 59 12.1–2.2 51.33N 82.04E 0 3.1b,2.7
IDC XII 11 10 59 12.7–1.3 51.31N 81.97E 0 2.2,2.2
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.8km s-min=7.2km az=43.0.
NNC Event type sm. Error ellipse: s-maj=21.6km s-min=10.1km az=37.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.9km s-min=11.9km az=74.0.
(366) Turkey
ISC XII 11 12 26 41.0–.93 37.18N–.04 28.75E–.03 0 18 0-1
ISCJB XII 11 12 26 41.3–.50 37.22N–.03 28.71E–.04 0 ¶602330487
DDA XII 11 12 26 41.9 37.22N 28.82E 7 2.6L
ISK XII 11 12 26 41.3 37.21N 28.74E 14–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=4.2km az=37.0.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC XII 11 19 26 04.9–1.8 37.35N–.07 27.4E–.10 0 10 0-1
ISK XII 11 19 26 08.2 37.26N 27.58E 17–0 2.2L ¶602330507
ISCJB XII 11 19 26 09.1–.66 37.25N–.05 27.58E–.06 0 2.2L
DDA XII 11 19 26 09.9 37.50N 27.46E 30 2.8L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=9.3km s-min=4.4km az=136.2.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 12 14 30 57.7–.99 38.32N–.04 38.23E–.04 0 16 0-1
ISK XII 12 14 30 57.9 38.33N 38.13E 8–0 1.8L ¶602330559
ISCJB XII 12 14 30 58.5–.55 38.32N–.03 38.18E–.04 0 1.8L
DDA XII 12 14 30 58.3 38.25N 38.19E 7 2.6L
ISC Event type sm.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=4.0km az=169.6.
DDA Event type sm. Suspected Mining explosion.
(460) Wyoming
ISC XII 12 19 05 34.7–.71 43.77N–.04 105.26W–.05 0 4.0b 85 1-90
ISCJB XII 12 19 05 33.9–.30 43.80N–.02 105.17W–.04 0 4.0b,3.1s ¶602391203
IDC XII 12 19 05 33.0–2.3 43.51N 105.19W 0 3.9b,3.8
NEIC XII 12 19 05 35.3–.27 43.83N 105.16W 0 3.5L,2.9
ANF XII 12 19 05 35.1–.47 43.79N 105.28W 3.5L,2.9
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.3km s-min=3.4km az=14.5.
IDC Error ellipse: s-maj=57.5km s-min=8.8km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.5km az=103.0. 57 km [36 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=6.9km s-min=4.4km az=114.0.
(326) Southwestern Siberia
ISC XII 13 07 51 56.4–3.7 53.6N–.10 87.7E–.20 0 10 2-8
KRAR XII 13 07 51 53.0–.90 53.58N 87.76E 2.6 ¶602059059
NNC XII 13 07 51 56.2–1.9 53.47N 87.75E 0 3.5b,3.2
ISC Event type sm.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=15.2km s-min=7.1km az=60.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC XII 13 09 02 12.1–1.1 64.79N–.02 30.59E–.06 0 62 1-10
ISCJB XII 13 09 02 10.2–.68 64.73N–.03 30.4E–.10 0 ¶602046980
HEL XII 13 09 02 12.3–.10 64.75N 30.67E 0 2.1L
UPP XII 13 09 02 12.5–3.1 64.67N 30.83E 0 1.6L
IDC XII 13 09 02 13.5–2.6 64.72N 30.81E 0 3.1,3.0
BER XII 13 09 02 15.6–3.8 64.85N 30.01E 0 2.3L,3.0
NAO XII 13 09 02 16.1–1.7 64.87N 29.29E 2.3L,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.5km s-min=3.3km az=16.6.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=37.5km s-min=8.7km az=103.0.
BER Event type sh. Error ellipse: s-maj=6.2km s-min=58.9km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
(326) Southwestern Siberia
NNC XII 13 09 51 11.0–3.9 53.80N 88.33E 0 3.5b,3.2
¶602059051
NNC Event type sm. Error ellipse: s-maj=40.6km s-min=18.8km az=34.0. Suspected Mining explosion.
(548) Poland
ISC XII 13 19 00 38.0–.79 49.98N–.03 18.62E–.02 0 56 0-4
ISCJB XII 13 19 00 36.8–.44 50.02N–.03 18.56E–.03 0 ¶602043421
PRU XII 13 19 00 38.6–.00 50.00N 18.59E 0
WAR XII 13 19 00 38.3 49.96N 18.65E 1 2.5W
IPEC XII 13 19 00 38.3–.16 49.99N 18.63E 2–2 2.0L
VIE XII 13 19 00 39.8–3.3 49.80N 18.52E 0 2.4b,2.4L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.5km az=19.3.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=164.0.
VIE Event type sr. Error ellipse: s-maj=16.4km s-min=7.4km az=79.0. 20 km E of Ostrava . Suspected Mining induced.
(456) Montana
ISC XII 13 20 54 34.2–.94 45.07N–.04 106.96W–.04 0 28 2-9
IDC XII 13 20 54 35.8–1.3 44.54N 106.30W 0 3.6,3.4 ¶602391280
NEIC XII 13 20 54 37.5–.75 45.22N 106.69W 0 3.1L,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=98.5km s-min=8.9km az=142.0.
NEIC Event type fm. Error ellipse: s-maj=10.5km s-min=9.0km az=149.0. 51 km [32 miles] NNE of Sheridan. Suspected Mining explosion.
(460) Wyoming
ISC XII 13 21 03 53.3–.74 43.88N–.04 105.23W–.04 0 38 1-89
ISCJB XII 13 21 03 52.2–.46 43.86N–.03 105.23W–.05 0 3.8b ¶602391281
IDC XII 13 21 03 52.1–1.7 43.68N 105.28W 0 3.8b,3.7
NEIC XII 13 21 03 53.1–.75 43.85N 105.15W 0 3.3L,3.7
ANF XII 13 21 03 54.0–.41 43.76N 105.25W 3.6L,3.7
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=5.4km s-min=4.3km az=139.0.
IDC Error ellipse: s-maj=43.5km s-min=8.4km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=9.6km az=178.0. 57 km [35 miles] SSE of Gillette. Suspected Mining explosion.
ANF Error ellipse: s-maj=6.1km s-min=4.3km az=112.0.
(366) Turkey
ISC XII 13 23 10 13.4–.77 37.15N–.03 28.56E–.03 0 26 0-10
ISCJB XII 13 23 10 14.1–.51 37.11N–.03 28.57E–.04 0 ¶602330622
DDA XII 13 23 10 14.2 37.08N 28.55E 7 2.5L
ISK XII 13 23 10 14.1 37.06N 28.58E 17–0 2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.8km s-min=3.7km az=156.4.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(366) Turkey
ISC XII 14 10 19 20.2–1.0 40.72N–.04 41.32E–.03 0 16 1-2
ISCJB XII 14 10 19 20.9–.56 40.69N–.04 41.34E–.04 0 ¶602330640
ISK XII 14 10 19 20.6 40.74N 41.36E 27–0 2.1L
DDA XII 14 10 19 21.2 40.71N 41.29E 7 2.5L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.0km s-min=3.5km az=141.4.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 14 10 28 15.5–.99 37.22N–.05 28.02E–.04 0 13 0-1
ISCJB XII 14 10 28 16.2–.63 37.16N–.04 27.97E–.05 0 ¶602330641
ISK XII 14 10 28 16.3 37.21N 27.91E 12–3 2.1L
DDA XII 14 10 28 16.7 37.17N 27.89E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=5.1km az=140.2.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 14 10 34 39.7–.99 37.03N–.04 27.90E–.04 0 13 0-2
DDA XII 14 10 34 41.1 37.13N 27.87E 7 2.5L ¶602330642
ISCJB XII 14 10 34 42.0–.76 37.16N–.04 27.90E–.05 0 2.5L
ISK XII 14 10 34 42.2 37.21N 27.84E 13–2 2.2L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.4km s-min=5.6km az=36.4.
ISK Event type ke.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 14 11 09 03.8–.96 67.54N–.04 33.90E–.05 0 88 0-23
ISCJB XII 14 11 09 03.6–.69 67.59N–.04 33.9E–.10 0 3.2b ¶606860104
HEL XII 14 11 09 03.8–.40 67.61N 34.26E 0 2.7L
UPP XII 14 11 09 05.5–3.0 67.70N 33.97E 0 1.8L

NAO XII 14 11 09 06.4–1.2 67.67N 33.79E 3.2L
IDC XII 14 11 09 06.6–1.2 67.69N 33.87E 0 3.5,3.5
KOLA XII 14 11 09 06.6 67.63N 33.92E 2.2,3.5
IEPN XII 14 11 09 07.0 67.54N 33.76E 0 2.2,3.5
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.9km s-min=4.8km az=144.8.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=9.1km az=77.0.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(721) Finland

ISC XII 14 11 39 11.5–.85 63.04N–.04 27.75E–.04 0 32 1-8
ISCJB XII 14 11 39 08.8–.46 63.16N–.02 27.66E–.07 0 **¶602391319**
IDC XII 14 11 39 09.2–1.8 62.95N 28.58E 0 3.0,3.0
HEL XII 14 11 39 11.8–.10 63.13N 27.74E 0 1.8L,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.0km s-min=3.0km az=23.8.
IDC Error ellipse: s-maj=26.5km s-min=7.3km az=110.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=1.1km az=-1.0. Explosion.

(536) Sweden

ISC XII 14 18 02 34.0–.77 67.07N–.03 20.93E–.03 0 63 1-8
ISCJB XII 14 18 02 33.6–.34 67.06N–.02 20.98E–.08 0 **¶602391337**
UPP XII 14 18 02 34.0–.10 67.07N 20.97E 0 1.9L
IDC XII 14 18 02 34.6–1.0 67.07N 20.98E 0 3.1,3.1
BER XII 14 18 02 34.1–.74 66.81N 20.99E 0 1.6L,3.1
HEL XII 14 18 02 34.8–.10 67.05N 20.97E 0 1.9L,1.9L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.3km s-min=2.9km az=174.5.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=8.3km az=107.0.
BER Event type sh. Error ellipse: s-maj=5.1km s-min=9.4km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0. Explosion.

(548) Poland

ISC XII 15 01 57 14.9–.82 50.30N–.04 18.77E–.02 0 48 0-4
ISCJB XII 15 01 57 13.7–.47 50.30N–.03 18.72E–.03 0 **¶602043636**
WAR XII 15 01 57 15.5 50.36N 18.86E 1 2.7W
PRU XII 15 01 57 15.1–.00 50.33N 18.78E 0 2.7W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.3km az=12.9.
PRU Event type ki.

(366) Turkey

ISC XII 15 08 18 19.8–.90 37.24N–.03 28.26E–.03 0 20 0-1
ISCJB XII 15 08 18 20.1–.48 37.26N–.03 28.24E–.04 0 **¶602330668**
ISK XII 15 08 18 20.4 37.25N 28.20E 8–0 2.5L
DDA XII 15 08 18 20.2 37.24N 28.20E 7 2.7
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.4km s-min=4.2km az=25.1.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC XII 15 20 11 16.9–1.3 43.64N–.06 105.13W–.07 0 90 1-9
ISCJB XII 15 20 11 15.3–.38 43.64N–.03 105.08W–.05 0 **¶602391416**
IDC XII 15 20 11 15.5–2.3 43.47N 105.26W 0 3.6,3.4
NEIC XII 15 20 11 17.4–.45 43.64N 105.10W 0 3.5L,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.9km s-min=3.6km az=163.2.
IDC Error ellipse: s-maj=51.2km s-min=9.8km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=4.1km az=67.0. 76 km [47 miles] WSW of Newcastle. Suspected Mining explosion.

(460) Wyoming

ISC XII 15 20 21 07.2–1.2 43.55N–.07 105.31W–.07 0 15 1-20
IDC XII 15 20 21 04.5–2.4 43.23N 105.40W 0 3.6,3.5L **¶602391418**
ISCJB XII 15 20 21 06.2–.63 43.54N–.06 105.36W–.08 0 3.6,3.5L
NEIC XII 15 20 21 07.4–.66 43.53N 105.30W 0 3.2L,3.5L
ISC Event type sm.
IDC Error ellipse: s-maj=47.9km s-min=8.8km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=8.9km s-min=8.1km az=153.2.
NEIC Event type fm. Error ellipse: s-maj=10.6km s-min=8.3km az=159.0. 81 km [50 miles] E of Midwest. Suspected Mining explosion.

(548) Poland

ISC XII 15 21 34 54.9–.50 51.56N–.02 16.16E–.02 0 3.8b 201 1-84
ISCJB XII 15 21 34 54.4–.28 51.49N–.02 16.18E–.02 0 3.8b **¶602043770**
MOS XII 15 21 34 55.2–1.1 51.59N 16.22E 10 4.0b
IDC XII 15 21 34 55.9–.53 51.54N 16.07E 0 3.9,3.7
LDG XII 15 21 34 55.5–.15 51.49N 16.17E 1 4.1L,3.7
IPEC XII 15 21 34 55.9–.43 51.53N 16.22E 2–2 3.5L,3.7
BGR XII 15 21 34 56.5–.43 51.49N 16.18E 1 3.8L,3.7
PRU XII 15 21 34 58.3–.00 51.47N 16.20E 0 3.8L,3.7
VIE XII 15 21 34 59.0–.66 51.29N 16.13E 0 3.7s,3.4L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=1.9km az=13.8.
MOS Error ellipse: s-maj=8.1km s-min=3.9km az=85.7.
IDC Error ellipse: s-maj=11.0km s-min=6.1km az=104.0.
LDG Event type sr. Error ellipse: s-maj=3.9km s-min=3.0km az=15.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=4.1km s-min=1.9km az=57.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=13.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.8km s-min=4.7km az=45.0. 65 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC XII 15 23 02 29.4–.45 51.52N–.02 16.11E–.02 0 3.7b 216 1-84
ISCJB XII 15 23 02 28.9–.24 51.48N–.02 16.11E–.02 0 3.7b **¶602043775**
IPEC XII 15 23 02 29.4–.37 51.57N 16.22E 0–1 3.7L
IDC XII 15 23 02 30.9–.49 51.49N 15.99E 0 3.9,3.7
MOS XII 15 23 02 30.0–.92 51.52N 16.11E 10 4.0b,3.7
LDG XII 15 23 02 30.6–.10 51.42N 16.07E 1 4.4L,3.7
BGR XII 15 23 02 31.5–.42 51.45N 16.11E 1 3.8L,3.7
PRU XII 15 23 02 32.7–.00 51.45N 16.12E 0 3.8L,3.7
VIE XII 15 23 02 33.4–.73 51.24N 16.21E 0 4.0s,3.5L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.3km s-min=1.9km az=2.6.
IPEC Event type ki. Error ellipse: s-maj=3.7km s-min=1.8km az=60.0.
IDC Error ellipse: s-maj=9.0km s-min=5.8km az=101.0.
MOS Error ellipse: s-maj=7.4km s-min=4.1km az=83.1.
LDG Event type sr. Error ellipse: s-maj=2.9km s-min=1.6km az=5.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=18.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.4km s-min=4.8km az=28.0. 58 km WNW of Wroclaw . Suspected Mining induced.

(547) Czech and Slovak Republics

ISC XII 16 02 06 30.0–.80 49.76N–.04 18.55E–.02 0 46 0-4
ISCJB XII 16 02 06 28.4–.44 49.84N–.03 18.45E–.03 0 **¶602043784**
IPEC XII 16 02 06 30.1–.17 49.81N 18.57E 0–3 2.2L
VIE XII 16 02 06 31.5–.96 49.68N 18.43E 0 2.5L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.5km az=16.3.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=164.0.
VIE Event type sr. Error ellipse: s-maj=8.5km s-min=4.4km az=74.0. 22 km SE of Ostrava . Suspected Mining induced.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 16 02 54 29.1–1.8 67.68N–.04 33.68E–.09 0 73 0-12
HEL XII 16 02 54 27.7–.40 67.89N 34.02E 0 2.4L **¶606860105**
KOLA XII 16 02 54 29.7 67.68N 33.77E 0 2.4L
UPP XII 16 02 54 29.9–2.7 67.64N 33.64E 0 2.0L
ISCJB XII 16 02 54 29.1–.81 67.77N–.03 33.4E–.10 0 2.0L
IEPN XII 16 02 54 32.0 67.67N 33.41E 0 2.0L
NAO XII 16 02 54 32.1–1.2 67.77N 33.25E 2.6L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=6.9km az=-1.0. Explosion.
KOLA Event type km.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
ISCJB Event type km. Error ellipse: s-maj=7.3km s-min=3.8km az=162.9.

(460) Wyoming

ISC XII 16 19 57 51.3–.91 44.00N–.06 105.35W–.06 0 15 1-19
ISCJB XII 16 19 57 48.8–.57 43.91N–.06 105.45W–.07 0 **¶602391488**
IDC XII 16 19 57 50.8–1.6 43.77N 105.48W 0 3.6,3.3
NEIC XII 16 19 57 50.9–.64 43.88N 105.41W 0 3.1L,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=9.5km s-min=6.6km az=163.0.
IDC Error ellipse: s-maj=41.8km s-min=8.1km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=10.5km s-min=7.9km az=166.0. 47 km [29 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC XII 16 20 54 59.9–1.1 37.13N–.03 28.96E–.06 0 17 0-1
DDA XII 16 20 55 01.0 37.08N 28.86E 7 2.5L **¶602330781**
ISCJB XII 16 20 55 01.3–.57 37.07N–.03 28.80E–.05 0 2.5L
ISK XII 16 20 55 01.2 37.08N 28.80E 7–0 2.0L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=4.1km az=152.0.
ISK Event type ke.

(460) Wyoming

ISC XII 16 23 00 29.1–.71 43.65N–.02 105.45W–.03 0 72 1-20
IDC XII 16 23 00 33.2–1.6 43.85N 105.65W 0 3.2,3.1 **¶602391498**
NEIC XII 16 23 00 33.8–.59 43.64N 105.17W 0 3.4L,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=32.3km s-min=10.2km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=7.8km s-min=7.4km az=192.0. 77 km [48 miles] SSE of Gillette. Suspected Mining explosion.

(326) Southwestern Siberia

KRAR XII 17 06 46 13.0–.10 53.56N 90.84E 2.7
NNC XII 17 06 46 26.3–3.7 53.45N 90.29E 3–20 3.6b,3.3 **¶602065072**
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=22.7km s-min=20.1km az=77.0. Suspected Mining explosion.

(456) Montana

ISC XII 17 19 16 56.5–1.0 45.01N–.10 106.82W–.08 0 8 2-9
NEIC XII 17 19 16 59.0–.63 45.25N 106.91W 0 2.5L **¶602391565**
IDC XII 17 19 16 58.8–1.2 44.71N 106.50W 0 3.6,3.4
ISC Event type sm.
NEIC Event type fm. Error ellipse: s-maj=10.8km s-min=8.3km az=146.0. 50 km [31 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=65.0km s-min=8.5km az=139.0.

(548) Poland

ISC XII 17 20 52 50.6–.81 50.11N–.04 19.31E–.02 0 44 0-4
ISCJB XII 17 20 52 49.6–.58 50.21N–.03 19.19E–.03 0 **¶602052873**
IPEC XII 17 20 52 50.7–.14 50.21N 19.28E 0–1 1.9L
PRU XII 17 20 52 51.4–.00 50.18N 19.24E 0 1.9L
WAR XII 17 20 52 51.3 50.18N 19.34E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.6km az=19.1.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=180.0.
PRU Event type ki.

(548) Poland

ISC XII 18 03 33 32.8–.67 50.10N–.02 19.16E–.02 0 100 0-20
ISCJB XII 18 03 33 31.9–.37 50.18N–.02 19.05E–.03 0 **¶602052882**
IDC XII 18 03 33 34.2–1.1 49.89N 19.18E 0 3.4,3.3
VIE XII 18 03 33 34.8–.89 49.85N 19.17E 0 2.9b,2.9L
IPEC XII 18 03 33 34.3–.13 50.15N 19.07E 0–1 2.7L,2.9L
PRU XII 18 03 33 34.2–.00 50.13N 19.06E 0 2.7L,2.9L
WAR XII 18 03 33 35.0 50.09N 19.15E 1 2.8W,2.9L
BGR XII 18 03 33 35.1–.42 50.05N 19.15E 1 3.0L,2.9L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.2km az=16.3.
IDC Error ellipse: s-maj=19.2km s-min=7.6km az=149.0.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=6.4km az=149.0. 46 km SSE of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=166.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=173.0.

(366) Turkey

ISC XII 18 09 55 47.7–.96 37.11N–.04 27.95E–.03 0 16 0-1
ISCJB XII 18 09 55 47.6–.63 37.13N–.04 27.95E–.04 0 **¶602328976**
DDA XII 18 09 55 48.8 37.20N 27.79E 7 2.5L
ISK XII 18 09 55 48.1 37.18N 27.86E 14–4 1.9L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.4km s-min=4.4km az=15.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(723) Finland-Karelia border region

ISC XII 18 10 07 22.2–.94 64.73N–.03 30.65E–.05 0 68 1-10
ISCJB XII 18 10 07 20.6–.51 64.61N–.02 30.42E–.09 0 **¶606860106**
HEL XII 18 10 07 22.4–.10 64.66N 30.63E 0 1.9L
UPP XII 18 10 07 23.3–2.9 64.61N 30.60E 0 1.7L
NAO XII 18 10 07 24.2–1.7 64.72N 30.38E 2.2L
IDC XII 18 10 07 25.9–1.9 64.73N 30.20E 0 2.9,2.8
BER XII 18 10 07 26.0–4.8 64.72N 30.06E 0 2.2L,2.8
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.4km s-min=3.1km az=3.5.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.2km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=7.6km az=101.0.
BER Event type sh. Error ellipse: s-maj=9.0km s-min=59.7km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 18 10 51 22.6–1.2 60.61N–.05 29.11E–.06 0 17 1-19
IDC XII 18 10 51 16.0–3.6 60.49N 29.57E 0 **¶602391598**
ISCJB XII 18 10 51 19.4–.95 60.68N–.04 29.25E–.10 0
HEL XII 18 10 51 23.0–.50 60.60N 29.07E 0 1.5L
ISC Event type kh.
IDC Error ellipse: s-maj=38.2km s-min=21.4km az=31.0.
ISCJB Event type kh. Error ellipse: s-maj=7.6km s-min=4.7km az=32.4.
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=6.0km az=-1.0. Explosion.

(536) Sweden

ISC XII 18 18 11 57.5–.71 67.05N–.02 21.04E–.02 0 70 0-8
ISCJB XII 18 18 11 57.2–.34 67.01N–.02 20.99E–.07 0 **¶606860262**
UPP XII 18 18 11 58.1–.10 67.05N 20.97E 0 2.0L
NAO XII 18 18 11 58.5–.90 67.10N 21.19E 2.5L
IDC XII 18 18 11 59.0–1.0 67.05N 21.08E 0 2.6,2.6
HEL XII 18 18 11 58.8–.00 67.06N 20.97E 0 2.0L,2.6
BER XII 18 18 12 01.3–4.9 67.07N 21.16E 0 2.5L,1.8L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.9km s-min=3.1km az=179.6.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=6.9km az=112.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=8.3km s-min=23.1km az=-1.0. Suspected explosion.

(548) Poland

ISC XII 19 04 56 28.6–.84 51.57N–.04 16.09E–.02 0 110 1-11
ISCJB XII 19 04 56 28.8–.44 51.44N–.02 16.05E–.02 0 **¶602051801**
PRU XII 19 04 56 29.8–.00 51.53N 16.08E 0
IDC XII 19 04 56 30.3–.87 51.50N 15.95E 0 3.2,3.2
BGR XII 19 04 56 30.7–.47 51.49N 16.07E 1 3.0L,3.2
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=12.9.
PRU Event type ki.
IDC Error ellipse: s-maj=15.0km s-min=8.9km az=101.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=19.0.

(366) Turkey

ISC XII 19 12 28 33.9–.95 41.00N–.05 38.10E–.03 0 21 0-2

ISCJB XII 19 12 28 34.6–.58 40.98N–.04 38.05E–.03 0 ¶602984709
DDA XII 19 12 28 34.7 40.96N 38.04E 7 3.0L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.2km s-min=3.5km az=13.4.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

KRAR XII 19 16 48 02.0–.11 53.64N 87.98E 1.9
NNC XII 19 16 48 01.8–2.5 53.64N 88.25E 0 3.8b,3.4 ¶602070950
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=21.3km s-min=12.3km az=54.0. Suspected Mining explosion.

(460) Wyoming

ISC XII 19 19 06 06.3–.74 43.70N–.05 105.23W–.05 0 61 1-88
IDC XII 19 19 06 04.0–1.8 43.51N 105.33W 0 4.6b,3.8 ¶602391682
ISCJB XII 19 19 06 04.3–.40 43.70N–.03 105.20W–.05 0 4.4b,4.1s
NEIC XII 19 19 06 06.8–.49 43.68N 105.29W 0 3.5L,4.1s
ISC Event type sm.
IDC Error ellipse: s-maj=41.4km s-min=7.5km az=150.0.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=4.4km az=5.6.
NEIC Event type fm. Error ellipse: s-maj=6.8km s-min=6.3km az=102.0. 70 km [44 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC XII 19 19 45 50.2–.96 51.51N–.04 16.20E–.03 0 61 1-5
ISCJB XII 19 19 45 50.7–.64 51.38N–.03 16.19E–.04 0 ¶602052910
PRU XII 19 19 45 52.8–.00 51.40N 16.17E 0
VIE XII 19 19 45 55.9–1.9 51.13N 16.43E 0 2.6L,2.5b
WAR XII 19 19 45 56.6 51.02N 15.79E 1 2.5W,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=3.2km az=4.7.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=15.9km s-min=6.8km az=129.0. 40 km W of Wroclaw . Suspected Mining induced.

(548) Poland

ISC XII 20 02 48 11.3–.78 50.19N–.03 18.83E–.02 0 56 0-4
ISCJB XII 20 02 48 10.3–.42 50.25N–.03 18.75E–.02 0 ¶602057294
PRU XII 20 02 48 11.6–.00 50.27N 18.82E 0
WAR XII 20 02 48 12.1 50.24N 18.89E 1 2.7W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=2.2km az=9.8.
PRU Event type ki.

(548) Poland

ISC XII 20 08 14 09.8–1.1 50.11N–.05 19.17E–.04 0 12 0-2
ISCJB XII 20 08 14 08.6–.73 50.14N–.05 19.11E–.04 0 ¶607215289
PRU XII 20 08 14 10.0–.00 50.13N 19.16E 0
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.0km s-min=4.1km az=6.7.
PRU Event type ki.

(723) Finland-Karelia border region

ISC XII 20 08 14 56.2–1.3 61.08N–.04 28.75E–.06 0 37 1-9
ISCJB XII 20 08 14 51.1–.82 61.05N–.03 29.06E–.09 0 ¶602057298
HEL XII 20 08 14 54.9–.30 61.00N 29.04E 0 2.1L
MOS XII 20 08 14 54.0 61.06N 28.95E 2.1
IDC XII 20 08 14 57.3–1.8 60.96N 28.83E 0 3.1,3.0
BER XII 20 08 14 57.5–2.4 60.98N 28.93E 0 2.3L,3.0
NAO XII 20 08 14 57.0–1.8 60.95N 28.86E 2.3L,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.1km s-min=4.0km az=29.1.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0. Explosion.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=19.6km s-min=11.5km az=176.0.
BER Event type sh. Error ellipse: s-maj=11.0km s-min=17.9km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

LVSN XII 20 09 11 46.6–6.3 59.33N 27.61E 0–41 2.0L
EST XII 20 09 11 47.0–.10 59.29N 27.59E 0 1.4L ¶604542254
LVSN Error ellipse: s-maj=20.4km s-min=94.4km az=-1.0.
EST Event type kh. Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0. Explosion.

(548) Poland

ISC XII 20 13 00 09.6–.90 51.49N–.03 16.15E–.02 0 68 1-6
ISCJB XII 20 13 00 08.9–.59 51.40N–.03 16.12E–.03 0 ¶602057302
PRU XII 20 13 00 11.3–.00 51.43N 16.13E 0
VIE XII 20 13 00 12.3–1.2 51.25N 16.13E 0 3.4s,2.8L
WAR XII 20 13 00 15.9 51.01N 15.82E 1 2.6W,2.8L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=2.8km az=9.4.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.1km s-min=4.5km az=151.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 21 09 39 18.4–.94 59.83N–.05 22.36E–.03 0 44 1-10
ISCJB XII 21 09 39 19.5–.47 59.80N–.05 22.23E–.05 0 ¶602054781
HEL XII 21 09 39 20.4–.20 59.76N 22.24E 0 1.9L
IDC XII 21 09 39 20.2–2.1 59.77N 22.28E 0 2.9,2.8
UPP XII 21 09 39 22.3–.90 59.73N 21.89E 0 1.9L,2.8
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.2km s-min=3.5km az=164.4.
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=31.4km s-min=8.5km az=166.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.

(329) Eastern Kazakhstan

ISC XII 21 09 49 48.2–1.3 48.61N–.04 77.7E–.10 0 10 2-4
SOME XII 21 09 49 49.8 48.77N 77.65E 5 ¶602092411
NNC XII 21 09 49 54.6–5.0 48.70N 78.32E 0 2.8b,2.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=67.6km s-min=17.9km az=69.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 21 10 01 32.6–2.1 67.59N–.04 33.6E–.10 0 38 0-12
HEL XII 21 10 01 29.5–.70 67.86N 34.26E 0 2.4L ¶606860108
NAO XII 21 10 01 32.4–1.6 67.67N 33.78E 2.7L
IDC XII 21 10 01 33.5–2.8 67.75N 33.77E 0 3.2,3.1
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=4.2km s-min=11.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=29.8km s-min=10.8km az=73.0.

(366) Turkey

ISC XII 21 12 48 08.0–1.0 38.34N–.05 37.16E–.05 0 12 0-2
DDA XII 21 12 48 06.6 38.31N 37.12E 5 2.5L ¶602329119
ISCJB XII 21 12 48 07.8–.65 38.37N–.05 37.18E–.07 0 2.5L
ISK XII 21 12 48 07.6 38.38N 37.19E 4–0 1.9L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=9.5km s-min=4.8km az=34.9.
ISK Event type ke.

(460) Wyoming

ISC XII 21 19 11 20.8–.95 43.76N–.08 105.07W–.07 0 22 1-61
IDC XII 21 19 11 16.8–2.5 43.10N 105.07W 0 3.7,3.6 ¶602391821
ISCJB XII 21 19 11 20.0–.54 43.72N–.05 105.13W–.08 0 4.2b,3.6s
NEIC XII 21 19 11 21.5–.63 43.74N 105.13W 0 3.4L,3.6s
ISC Event type sm.
IDC Error ellipse: s-maj=51.3km s-min=9.0km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=8.6km s-min=6.8km az=41.4.
NEIC Event type fm. Error ellipse: s-maj=10.3km s-min=8.4km az=146.0. 68 km [42 miles] SSE of Gillette. Suspected Mining explosion.

(456) Montana

ISC XII 21 21 05 50.3–.84 45.06N–.04 106.85W–.03 0 29 2-18
ISCJB XII 21 21 05 52.0–.53 45.20N–.04 106.93W–.05 0 ¶602391825
IDC XII 21 21 05 51.8–1.2 45.09N 107.12W 0 3.4,3.3
NEIC XII 21 21 05 52.2–.61 45.15N 106.95W 0 3.0,3.3
ANF XII 21 21 05 52.2–.51 45.18N 106.97W 3.1L,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.5km s-min=4.6km az=148.2.
IDC Error ellipse: s-maj=52.4km s-min=7.5km az=131.0.
NEIC Event type fm. Error ellipse: s-maj=10.0km s-min=7.5km az=151.0. 37 km [23 miles] N of Sheridan. Suspected Mining explosion.
ANF Error ellipse: s-maj=8.6km s-min=4.9km az=172.0.

(366) Turkey

ISC XII 22 07 53 56.3–.87 37.19N–.03 27.98E–.03 0 21 0-1
ISK XII 22 07 53 56.9 37.18N 27.87E 12–4 2.0L ¶602329152
ISCJB XII 22 07 53 57.0–.58 37.15N–.03 27.90E–.04 0 2.0L
DDA XII 22 07 53 58.2 37.19N 27.91E 7 2.7L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=4.6km az=142.9.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XII 22 12 11 38.8–.93 50.30N–.04 18.78E–.02 0 36 0-4
ISCJB XII 22 12 11 37.7–.61 50.37N–.04 18.77E–.03 0 ¶602057569
PRU XII 22 12 11 39.1–.00 50.37N 18.79E 0
WAR XII 22 12 11 39.3 50.36N 18.87E 1 2.6W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.5km az=14.5.
PRU Event type ki.

(366) Turkey

ISC XII 22 15 41 38.4–1.1 40.68N–.04 41.18E–.06 0 16 0-2
ISCJB XII 22 15 41 38.7–.67 40.68N–.04 41.29E–.04 0 ¶602329165
ISK XII 22 15 41 38.5 40.69N 41.30E 5–0 2.5L
DDA XII 22 15 41 45.4 40.93N 41.62E 7 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=4.5km az=162.0.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC XII 22 20 10 23.4–.96 43.38N–.06 105.09W–.08 0 12 1-20
IDC XII 22 20 10 21.3–4.0 43.16N 105.09W 0 3.2,3.1L ¶602391886
ISCJB XII 22 20 10 23.6–.82 43.48N–.08 105.16W–.10 0 3.2,3.1L
NEIC XII 22 20 10 25.4–.76 43.56N 105.19W 0 3.1L,3.1L
ISC Event type sm.
IDC Error ellipse: s-maj=87.0km s-min=13.6km az=148.0.
ISCJB Event type fm. Error ellipse: s-maj=12.4km s-min=8.9km az=144.2.
NEIC Event type fm. Error ellipse: s-maj=11.7km s-min=10.4km az=139.0. 85 km [53 miles] SSE of Gillette. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 22 21 09 15.0–1.0 67.67N–.04 33.88E–.05 0 71 0-12
IEPN XII 22 21 09 15.0 67.79N 33.31E 0 ¶606860110
HEL XII 22 21 09 15.4–.50 67.62N 34.04E 0 2.3L
ISCJB XII 22 21 09 15.6–.80 67.57N–.03 33.5E–.10 0 2.3L
KOLA XII 22 21 09 17.4 67.68N 33.77E 1.9
NAO XII 22 21 09 18.0–1.2 67.70N 33.64E 3.0L
IDC XII 22 21 09 18.3–1.6 67.74N 33.69E 0 3.6,3.6
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=7.8km az=-1.0. Explosion.
ISCJB Event type kh. Error ellipse: s-maj=6.7km s-min=4.3km az=171.5.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=18.2km s-min=8.6km az=86.0.

(548) Poland

PRU XII 23 06 24 10.1–.00 50.23N 19.27E 0 ¶602057595
PRU Event type ki.

(713) Central Kazakhstan

NNC XII 23 09 48 52.6–2.6 46.98N 73.74E 0 3.5b,3.0
SOME XII 23 09 48 52.6 46.95N 75.23E 3.5b,3.0 ¶603091000
NNC Event type sm. Error ellipse: s-maj=23.4km s-min=11.9km az=104.0. Suspected Mining explosion.
SOME Event type kx.

(548) Poland

ISC XII 23 18 46 52.7–.69 50.27N–.04 18.77E–.02 0 65 0-20
ISCJB XII 23 18 46 51.8–.40 50.31N–.03 18.74E–.03 0 ¶602057605
PRU XII 23 18 46 53.8–.00 50.26N 18.76E 0
IDC XII 23 18 46 54.2–1.4 50.16N 18.84E 0 3.5,3.3
WAR XII 23 18 46 54.2 50.27N 18.82E 1 2.8W,3.3
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=12.9.
PRU Event type ki.
IDC Error ellipse: s-maj=27.5km s-min=8.5km az=137.0.

(460) Wyoming

ISC XII 23 20 05 43.6–1.1 43.73N–.07 105.20W–.07 0 12 1-90
IDC XII 23 20 05 41.8–1.1 43.41N 105.27W 0 3.7b,3.4 ¶602391939
ISCJB XII 23 20 05 42.5–.64 43.73N–.06 105.25W–.09 0 3.6b,3.4
NEIC XII 23 20 05 44.0–.57 43.71N 105.23W 0 3.1L,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=21.7km s-min=9.4km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=9.5km s-min=8.6km az=27.9.
NEIC Event type fm. Error ellipse: s-maj=8.9km s-min=7.8km az=132.0. 69 km [43 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC XII 23 20 26 30.5–1.3 43.50N–.08 105.27W–.06 0 10 1-20
IDC XII 23 20 26 28.4–2.7 43.14N 105.30W 0 3.5,3.3 ¶602391940
ISCJB XII 23 20 26 29.4–.69 43.51N–.07 105.27W–.08 0 3.5,3.3
NEIC XII 23 20 26 30.6–.68 43.51N 105.27W 0 3.1L,3.3
ISC Event type sm.
IDC Error ellipse: s-maj=51.9km s-min=8.9km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=10.2km s-min=7.8km az=159.2.
NEIC Event type fm. Error ellipse: s-maj=11.8km s-min=8.9km az=181.0. 83 km [51 miles] E of Midwest. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC XII 24 02 07 36.8–.79 49.88N–.03 18.52E–.02 0 61 0-4
ISCJB XII 24 02 07 36.1–.41 49.88N–.02 18.45E–.03 0 ¶602059846
IPEC XII 24 02 07 37.6–.18 49.84N 18.55E 1–3 2.1L
PRU XII 24 02 07 38.2–.00 49.85N 18.45E 0 2.1L
VIE XII 24 02 07 38.1–.70 49.72N 18.50E 0 2.5L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.4km az=16.9.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=3.0km az=71.0. 22 km SE of Ostrava . Suspected Mining induced.

(326) Southwestern Siberia

KRAR XII 24 05 17 08.0–.06 53.75N 91.03E 3.1
NNC XII 24 05 17 11.9–5.2 53.83N 90.54E 0 4.0b,3.7 ¶603091028
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=45.5km s-min=37.3km az=171.0. Suspected Mining explosion.

(360) Black Sea

ISC XII 24 08 36 48.0–1.3 42.37N–.03 41.05E–.07 7–12 14 1-2
MOS XII 24 08 36 50.1–.00 42.45N 41.13E 10–1 4.1 ¶602984886
DDA XII 24 08 36 51.5 42.16N 40.96E 8 2.3L
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.

(326) Southwestern Siberia

IDC XII 24 09 18 01.5–1.6 53.85N 90.91E 0 3.8,3.7
ASRS XII 24 09 17 58.7 53.77N 90.98E 3.4,3.7 ¶602391987
NNC XII 24 09 18 05.6–2.4 53.71N 90.46E 0 4.2b,3.9
IDC Error ellipse: s-maj=22.9km s-min=14.3km az=144.0.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=24.3km s-min=16.4km az=174.0. Suspected Mining explosion.

(713) Central Kazakhstan

NNC XII 24 10 14 52.0–2.0 48.94N 68.62E 0 3.1b,2.7 ¶603091043
NNC Event type sm. Error ellipse: s-maj=16.0km s-min=10.3km az=88.0. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 24 14 21 31.3–1.4 42.42N–.02 41.01E–.03 1–10 89 1-75
ISK XII 24 14 21 31.4 42.38N 41.06E 15–0 3.4L **¶602329264**
TIF XII 24 14 21 32.2 42.37N 40.96E 21–2 3.4L
MOS XII 24 14 21 33.4–.00 42.52N 41.07E 7–0 4.0
AZER XII 24 14 21 39.8–.01 41.94N 40.95E 5 3.2L
DDA XII 24 14 21 47.7 41.51N 41.43E 6 2.8L
ISK Event type ke.
MOS Event type se.
AZER Error ellipse: s-maj=21.7km s-min=3.9km az=15.0.
DDA Event type sm. Suspected Mining explosion.
(460) Wyoming
ISC XII 24 20 00 42.1–.70 43.80N–.04 105.40W–.05 0 4.3b 64 1-78
ISCJB XII 24 20 00 41.7–.36 43.76N–.03 105.25W–.05 0 4.2b **¶602374111**
IDC XII 24 20 00 41.6–1.6 43.74N 105.52W 0 4.1b,3.7
NEIC XII 24 20 00 43.8–1.8 43.71N 105.30W 0–2 3.5L,3.7
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=4.4km az=3.9.
IDC Error ellipse: s-maj=54.1km s-min=8.2km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=14.0km s-min=8.7km az=96.0. 67 km [41 miles] SSE of Gillette. Suspected Mining explosion.
(456) Montana
ISC XII 24 20 45 00.3–.97 45.89N–.04 107.11W–.04 0 36 1-17
ISCJB XII 24 20 45 02.9–.57 45.75N–.04 106.86W–.07 0 **¶602374109**
IDC XII 24 20 45 02.3–1.4 44.46N 105.66W 0 3.1,3.0
NEIC XII 24 20 45 02.8–.58 45.79N 106.87W 0 3.1L,3.0
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=6.3km az=172.7.
IDC Error ellipse: s-maj=21.8km s-min=9.4km az=145.0.
NEIC Event type fm. Error ellipse: s-maj=7.2km s-min=7.0km az=148.0. 22 km [14 miles] WSW of Colstrip. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 24 23 32 25.5–1.3 42.38N–.03 41.11E–.06 10–13 18 1-2
MOS XII 24 23 32 27.8–.00 42.50N 41.19E 10–0 3.1 **¶602984911**
DDA XII 24 23 32 45.1 41.39N 41.72E 7 2.4
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(642) Norwegian Sea
ISC XII 25 03 44 33.5–.67 72.98N–.04 15.58E–.05 10 3.5b 150 2-60
ISCJB XII 25 03 44 32.7–.38 72.91N–.02 16.0E–.10 10 3.4b,3.3s **¶604542464**
IDC XII 25 03 44 35.2–.84 72.94N 16.31E 0 3.5,3.4b
NAO XII 25 03 44 36.0–2.1 73.01N 16.41E 14–15 3.5L,3.4b
BER XII 25 03 44 37.5–3.2 72.97N 15.59E 22–15 3.5L,2.6L
HEL XII 25 03 44 38.7 72.83N 16.43E 10 3.6L,2.6L
KOLA XII 25 03 44 38.9 72.51N 16.09E 0 3.6L,2.6L
IEPN XII 25 03 44 40.0 73.31N 15.21E 5 3.6L,2.6L
UPP XII 25 03 44 42.9–3.3 72.62N 17.10E 0 2.5L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.1km az=174.5.
IDC Error ellipse: s-maj=17.6km s-min=10.0km az=81.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=3.8km s-min=26.7km az=-1.0.
KOLA Event type ke.
IEPN station ZFI2 has station magnitude of 3.07.
UPP Error ellipse: s-maj=0.2km s-min=0.9km az=-1.0.
(548) Poland
ISC XII 25 09 02 56.1–.75 50.16N–.02 18.99E–.02 0 59 0-4
ISCJB XII 25 09 02 55.0–.36 50.19N–.02 18.92E–.03 0 **¶602059867**
PRU XII 25 09 02 55.6–.00 50.25N 19.01E 0
WAR XII 25 09 02 56.0 50.26N 19.00E 1 2.9W
VIE XII 25 09 02 57.7–1.2 50.04N 19.00E 0 2.6L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.2km s-min=2.5km az=3.9.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=20.4km s-min=8.0km az=167.0. 23 km S of Katowice . Suspected Mining induced.
(326) Southwestern Siberia
KRAR XII 25 09 12 08.0–.08 53.67N 87.98E 2.4
NNC XII 25 09 12 09.0–1.9 53.48N 87.53E 0 3.6b,3.3 **¶603091077**
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=15.9km s-min=8.0km az=66.0. Suspected Mining explosion.
(366) Turkey
ISC XII 25 09 34 29.7–1.0 38.61N–.06 28.68E–.06 0 11 0-1
ISCJB XII 25 09 34 30.0–.76 38.58N–.04 28.63E–.07 0 **¶602984922**
DDA XII 25 09 34 30.1 38.59N 28.62E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=8.8km s-min=4.6km az=36.4.
DDA Event type sm. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 25 09 37 25.9–1.3 42.38N–.03 41.09E–.04 5–14 21 1-2
TIF XII 25 09 37 26.8 42.41N 40.95E 31–5 **¶602954030**
MOS XII 25 09 37 28.0–.00 42.52N 41.11E 5–0 3.2
DDA XII 25 09 37 46.9 41.33N 41.67E 6 2.2L
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 25 09 41 17.6–2.1 42.37N–.05 41.2E–.10 8–13 17 1-2
MOS XII 25 09 41 20.3–.00 42.55N 41.17E 1–2 2.8 **¶602984923**
DDA XII 25 09 41 37.5 41.34N 41.67E 8 1.8L
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 25 12 27 49.0–1.2 41.12N–.04 44.01E–.05 14–12 18 0-2
TIF XII 25 12 27 48.6 41.14N 44.05E 14–2 **¶602954031**
DDA XII 25 12 27 49.9 41.09N 43.92E 7 2.5L
DDA Event type sm. Suspected Mining explosion.
(536) Sweden
ISC XII 26 00 22 52.3–.90 67.82N–.03 20.21E–.03 0 35 0-3
ISCJB XII 26 00 22 51.5–.50 67.80N–.03 20.28E–.08 0 **¶604114100**
UPP XII 26 00 22 52.2–.00 67.84N 20.19E 0 1.8L
HEL XII 26 00 22 53.3 67.79N 20.20E 0 1.6L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.4km s-min=3.8km az=173.6.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 26 06 59 21.7–1.3 42.39N–.03 41.00E–.05 10–12 17 1-2
MOS XII 26 06 59 24.0–.00 42.51N 41.06E 7–0 3.1 **¶602984972**
DDA XII 26 06 59 43.1 41.31N 41.61E 6 2.1L
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 26 08 54 51.0–.90 38.51N–.03 31.59E–.03 0 24 0-2
ISCJB XII 26 08 54 52.4–.45 38.54N–.03 31.60E–.04 0 **¶602329365**
DDA XII 26 08 54 52.8 38.54N 31.58E 7 2.8L
ISK XII 26 08 54 52.4 38.48N 31.62E 10–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.9km s-min=3.2km az=135.4.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(367) Turkey-Georgia-Armenia border region
ISC XII 26 08 59 29.4–1.3 42.38N–.03 41.02E–.04 9–15 22 1-2
MOS XII 26 08 59 32.3–.00 42.53N 41.04E 8–0 3.4 **¶602984975**
DDA XII 26 08 59 50.2 41.37N 41.65E 3 1.9L
ISC Event type se.
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 26 10 40 28.7–1.9 42.41N–.03 41.00E–.09 7–12 20 1-2
MOS XII 26 10 40 31.5–.00 42.52N 41.12E 7–0 2.8 **¶602984976**
DDA XII 26 10 40 50.4 41.32N 41.68E 7 1.6L
ISC Event type se.
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(367) Turkey-Georgia-Armenia border region
ISC XII 26 14 22 27.9–1.2 42.38N–.03 41.05E–.04 8–11 26 1-2
TIF XII 26 14 22 30.1 42.36N 41.15E 14–6 **¶602954074**
MOS XII 26 14 22 30.4–.00 42.53N 41.10E 8–0 3.1
DDA XII 26 14 22 48.8 41.34N 41.67E 9 1.6L
ISC Event type se.
MOS Event type se.
DDA Event type sm. Suspected Mining explosion.
(366) Turkey
ISC XII 26 15 15 47.2–.89 37.46N–.03 28.15E–.04 0 21 0-13
ISCJB XII 26 15 15 47.4–.53 37.46N–.04 28.11E–.05 0 **¶602329385**
DDA XII 26 15 15 47.8 37.44N 28.10E 7 2.6L
ISK XII 26 15 15 47.7 37.46N 28.07E 7–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.9km s-min=4.7km az=44.6.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.
(548) Poland
PRU XII 26 15 18 35.1–.00 50.26N 19.03E 0 ¶602059885
PRU Event type ki.
(547) Czech and Slovak Republics
PRU XII 26 15 18 45.8–.00 49.81N 18.57E 0
IPEC XII 26 15 18 46.1–.49 49.81N 18.57E 0 1.5L **¶602059888**
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=4.3km s-min=2.0km az=124.0.
(460) Wyoming
ISC XII 26 20 03 41.8–.80 43.76N–.05 105.37W–.05 0 73 1-68
IDC XII 26 20 03 41.0–.96 43.70N 105.50W 0 3.6b,3.5 **¶602380605**
ISCJB XII 26 20 03 41.1–.37 43.75N–.03 105.27W–.04 0 3.6b,3.5
NEIC XII 26 20 03 42.3–.37 43.79N 105.26W 0 3.2L,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=21.2km s-min=8.5km az=147.0.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=4.1km az=144.9.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.7km az=74.0. 59 km [37 miles] SSE of Gillette. Suspected Mining explosion.
(548) Poland
ISC XII 26 21 05 14.2–.95 51.61N–.04 16.05E–.03 0 54 1-4
ISCJB XII 26 21 05 13.7–.58 51.52N–.03 16.05E–.03 0 **¶602059892**
VIE XII 26 21 05 16.8–.77 51.41N 16.02E 0 2.8L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.7km az=22.6.
VIE Event type sr. Error ellipse: s-maj=6.3km s-min=4.6km az=31.0. 77 km WNW of Wroclaw . Suspected Mining induced.
(456) Montana
ISC XII 26 21 38 12.0–.82 45.11N–.04 106.93W–.03 0 22 2-9
ISCJB XII 26 21 38 14.9–.55 45.21N–.04 106.95W–.06 0 **¶602380665**
NEIC XII 26 21 38 14.8–.66 45.16N 106.93W 0 2.5
IDC XII 26 21 38 14.2–1.1 44.71N 106.51W 0 3.6,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.2km az=143.3.
NEIC Event type fm. Error ellipse: s-maj=11.0km s-min=8.4km az=143.0. 40 km [25 miles] N of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=81.5km s-min=8.3km az=139.0.
(460) Wyoming
ISC XII 26 22 04 35.1–.94 43.52N–.04 105.18W–.04 0 22 1-20
IDC XII 26 22 04 35.6–2.1 43.38N 105.24W 0 3.2,3.1 **¶602380667**
ISCJB XII 26 22 04 36.2–.62 43.52N–.04 105.15W–.05 0 3.2,3.1
NEIC XII 26 22 04 37.4–.58 43.51N 105.16W 0 2.6,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=41.2km s-min=9.5km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.2km az=147.1.
NEIC Event type fm. Error ellipse: s-maj=8.5km s-min=7.5km az=149.0. 86 km [53 miles] NNE of Douglas. Suspected Mining explosion.
(326) Southwestern Siberia
NNC XII 27 08 56 52.7–2.3 54.26N 86.34E 0 3.7b,3.1 ¶602217572
NNC Event type sm. Error ellipse: s-maj=30.5km s-min=11.2km az=171.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC XII 27 09 05 44.4–1.1 64.85N–.03 30.45E–.06 0 28 1-10
ISCJB XII 27 09 05 40.0–.59 64.71N–.02 30.46E–.10 0 **¶602380702**
MOS XII 27 09 05 42.0 64.77N 30.54E 2.1
HEL XII 27 09 05 42.9–.10 64.75N 30.69E 0 2.1L
KOLA XII 27 09 05 42.7 64.70N 30.49E 0 2.1L
IDC XII 27 09 05 44.3–2.6 64.70N 30.86E 0 3.1,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.1km s-min=3.3km az=17.0.
MOS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.2km az=-1.0. Explosion.
KOLA Event type km.
IDC Error ellipse: s-maj=38.0km s-min=9.5km az=103.0.
(366) Turkey
ISC XII 27 18 36 05.2–.77 36.65N–.03 29.27E–.02 0 63 0-3
ATH XII 27 18 36 04.1 36.73N 29.29E 12–4 2.6L **¶602329456**
ISK XII 27 18 36 04.5 36.58N 29.25E 6–0 3.0L
ISCJB XII 27 18 36 05.0–.32 36.66N–.02 29.26E–.03 0 3.0L
THE XII 27 18 36 05.2 36.69N 29.49E 5–4 2.5L
DDA XII 27 18 36 05.2 36.66N 29.25E 3 3.0L
ISC Event type sm.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.1km az=194.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type sm. Error ellipse: s-maj=3.4km s-min=2.9km az=179.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.3km az=76.0.
DDA Event type sm. Suspected Mining explosion.
(548) Poland
PRU XII 27 23 22 39.7–.00 50.12N 19.04E 0 ¶602070525
PRU Event type ki.
(366) Turkey
ISC XII 28 06 40 17.5–1.3 37.11N–.04 27.99E–.05 0 12 0-1
ISCJB XII 28 06 40 18.5–.85 37.16N–.04 27.94E–.06 0 **¶602329470**
ISK XII 28 06 40 18.9 37.20N 27.83E 14–4 1.9L
DDA XII 28 06 40 20.4 37.35N 27.62E 7 2.7L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.7km s-min=4.7km az=22.1.
ISK Event type ke.
DDA Event type sm. Suspected Mining explosion.
(329) Eastern Kazakhstan
NNC XII 28 07 34 01.0–.30 50.02N 78.84E 0 3.6b,3.3 ¶602311838
NNC Event type sm. Error ellipse: s-maj=5.4km s-min=1.6km az=73.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 28 09 12 35.5–1.2 67.68N–.04 33.95E–.06 0 73 0-12
ISCJB XII 28 09 12 36.8–.76 67.57N–.03 33.6E–.10 0 **¶606860113**
IEPN XII 28 09 12 37.0 67.80N 33.44E 0
HEL XII 28 09 12 37.7–.50 67.62N 33.93E 0 2.6L
UPP XII 28 09 12 38.4–2.7 67.74N 33.90E 0 2.0L
KOLA XII 28 09 12 38.5 67.63N 33.83E 1.6

IDC XII 28 09 12 39.7–1.5 67.75N 33.79E 0 3.6,3.6
NAO XII 28 09 12 40.7–1.4 67.77N 33.40E 3.1L,3.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.4km s-min=4.5km az=171.4.
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=8.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
KOLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=15.8km s-min=8.4km az=93.0.

(366) Turkey

ISC XII 28 13 49 57.1–.77 36.56N–.03 29.28E–.02 0 57 0-3
DDA XII 28 13 49 55.2 36.54N 29.36E 7 3.2L **¶602329497**
ISCJB XII 28 13 49 57.3–.36 36.61N–.03 29.24E–.03 0 3.2L
ISK XII 28 13 49 57.5 36.60N 29.20E 6–0 3.4L
THE XII 28 13 49 59.1 36.55N 29.22E 0–2 2.8L
ISC Event type sm.
DDA Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=4.2km s-min=2.8km az=166.4.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.6km s-min=1.8km az=32.0.

(548) Poland

PRU XII 28 13 53 11.8–.00 51.54N 16.15E 0 ¶602070537
PRU Event type ki.

(366) Turkey

ISC XII 28 14 48 30.9–1.2 39.91N–.03 33.08E–.04 0 15 0-1
ISK XII 28 14 48 29.2 39.92N 33.08E 5–0 1.9L **¶602329502**
ISCJB XII 28 14 48 30.3–.63 39.91N–.04 33.12E–.05 0 1.9L
DDA XII 28 14 48 30.4 39.90N 33.13E 7 2.5L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=5.0km az=167.3.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

ISC XII 28 15 42 23.4–.84 50.14N–.04 19.29E–.02 0 30 0-4
ISCJB XII 28 15 42 22.0–.64 50.22N–.04 19.17E–.04 0 **¶602070539**
WAR XII 28 15 42 21.1 50.09N 19.15E 1 2.5W
PRU XII 28 15 42 23.7–.00 50.21N 19.23E 0 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=3.0km az=18.9.
PRU Event type ki.

(548) Poland

PRU XII 28 17 11 22.7–.00 50.28N 18.80E 0 ¶602070540
PRU Event type ki.

(536) Sweden

ISC XII 28 18 00 56.3–.72 67.06N–.02 20.96E–.02 0 72 0-8
ISCJB XII 28 18 00 55.7–.31 67.04N–.02 20.92E–.06 0 **¶602060901**
UPP XII 28 18 00 56.2–.10 67.06N 20.94E 0 1.9L
IDC XII 28 18 00 57.4–1.1 67.05N 21.20E 0 3.1,3.0
HEL XII 28 18 00 57.0–.10 67.06N 20.92E 0 2.2L,1.9L
NAO XII 28 18 00 57.0–.90 67.03N 21.44E 2.2L,1.9L
BER XII 28 18 00 59.4–4.0 67.03N 21.05E 0 2.2L,1.7L
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.3km s-min=3.0km az=12.5.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=20.2km s-min=9.4km az=106.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=7.7km s-min=26.2km az=-1.0. Suspected explosion.

(329) Eastern Kazakhstan

NNC XII 29 07 27 42.6–1.4 50.10N 79.05E 0 3.5b,3.2 ¶602312582
NNC Event type sm. Error ellipse: s-maj=32.3km s-min=7.3km az=60.0. Suspected Mining explosion.

(326) Southwestern Siberia

KRAR XII 29 07 58 42.4–.13 53.57N 87.77E 2.5
NNC XII 29 07 58 51.3–3.5 53.36N 87.41E 18–17 3.5b,3.2 **¶602312586**
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=23.3km s-min=18.4km az=37.0. Suspected Mining explosion.

(366) Turkey

ISC XII 29 10 11 07.8–.00 37.19N–.04 37.46E–.03 0 19 0-1
ISCJB XII 29 10 11 07.6–.53 37.13N–.04 37.46E–.03 0 **¶602329543**
ISK XII 29 10 11 07.5 37.19N 37.42E 6–0 2.4L
DDA XII 29 10 11 08.2 37.15N 37.45E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.3km s-min=4.0km az=3.3.
ISK Event type sm. Suspected Mining explosion.
DDA Event type sm. Suspected Mining explosion.

(548) Poland

PRU XII 29 23 17 08.7–.00 50.23N 19.25E 0 ¶602070563
PRU Event type ki.

(326) Southwestern Siberia

KRAR XII 30 05 02 23.6–.07 52.89N 87.70E 2.6
NNC XII 30 05 02 29.4–2.0 52.91N 87.65E 0 3.7b,3.4 **¶602320562**
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
NNC Event type sm. Error ellipse: s-maj=17.3km s-min=7.1km az=76.0. Suspected Mining explosion.

(329) Eastern Kazakhstan

ISC XII 30 07 37 53.0–.78 50.04N–.05 78.74E–.06 0 23 1-9
ISCJB XII 30 07 37 51.1–.55 50.02N–.04 78.57E–.07 0 **¶602320569**
NNC XII 30 07 37 51.6–.92 50.08N 78.93E 0 3.6b,3.3
IDC XII 30 07 37 53.3–.81 50.07N 78.77E 0 3.2,3.2
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.9km s-min=4.2km az=149.2.
NNC Event type sm. Error ellipse: s-maj=15.4km s-min=4.7km az=68.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.0km s-min=5.9km az=56.0.

(460) Wyoming

ISC XII 30 20 01 04.6–.99 43.80N–.07 105.32W–.07 0 18 1-90
ISCJB XII 30 20 01 03.3–.48 43.82N–.05 105.27W–.07 0 3.8b **¶602380907**
IDC XII 30 20 01 04.3–1.4 43.85N 105.69W 0 3.8b,3.4
NEIC XII 30 20 01 05.1–.42 43.80N 105.30W 0 3.3L,3.4
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.1km s-min=7.1km az=145.4.
IDC Error ellipse: s-maj=34.2km s-min=9.4km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=6.2km s-min=5.8km az=104.0. 56 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC XII 30 21 48 19.8–.97 37.17N–.04 28.87E–.04 0 17 0-2
ISCJB XII 30 21 48 20.2–.56 37.08N–.04 28.77E–.05 0 **¶602329616**
DDA XII 30 21 48 20.4 37.09N 28.80E 7 2.6L
ISK XII 30 21 48 20.3 37.10N 28.78E 12–0 2.2L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=6.1km s-min=5.2km az=137.3.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

(326) Southwestern Siberia

NNC XII 31 05 02 15.0–1.8 53.38N 90.31E 0–10 4.0b,3.7
ASRS XII 31 05 02 01.4 53.88N 90.98E 3.2,3.7 **¶602320760**
NNC Event type sm. Error ellipse: s-maj=11.8km s-min=9.6km az=89.0. Suspected Mining explosion.
ASRS Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

(329) Eastern Kazakhstan

ISC XII 31 07 30 13.0–.88 50.02N–.05 78.66E–.06 0 34 1-8
ISCJB XII 31 07 30 11.7–.59 50.00N–.03 78.61E–.08 0 **¶602320764**
NNC XII 31 07 30 12.3–.55 50.03N 78.74E 0 3.5b,3.1
IDC XII 31 07 30 13.0–.85 50.05N 78.74E 0 3.0,3.0
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.5km s-min=3.7km az=170.7.
NNC Event type sm. Error ellipse: s-maj=8.3km s-min=2.9km az=76.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.0km s-min=6.3km az=59.0.

(548) Poland

ISC XII 31 10 18 38.5–.82 50.09N–.04 19.07E–.02 0 44 0-5
ISCJB XII 31 10 18 37.6–.51 50.12N–.03 19.01E–.03 0 **¶602070588**
PRU XII 31 10 18 38.9–.00 50.13N 19.07E 0
WAR XII 31 10 18 39.2 50.20N 19.05E 1 2.5W
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.9km s-min=2.6km az=17.8.
PRU Event type ki.

(366) Turkey

ISC XII 31 12 19 19.5–.94 37.13N–.04 37.24E–.04 0 14 0-1
ISK XII 31 12 19 19.3 37.15N 37.24E 5–0 1.9L **¶602329650**
ISCJB XII 31 12 19 20.5–.56 37.15N–.03 37.23E–.05 0 1.9L
DDA XII 31 12 19 21.3 37.12N 37.30E 7 2.7L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=4.5km az=159.2.
DDA Event type ke.

(366) Turkey

ISC XII 31 15 08 40.8–.96 39.90N–.03 33.08E–.03 0 20 0-2
ISCJB XII 31 15 08 40.8–.47 39.88N–.03 33.09E–.04 0 **¶602329658**
ISK XII 31 15 08 40.5 39.90N 33.04E 10–0 1.9L
DDA XII 31 15 08 41.2 39.89N 33.09E 7 2.6L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=4.0km az=36.3.
ISK Event type sm. Suspected Mining explosion.
DDA Event type ke.

(460) Wyoming

ISC XII 31 19 00 59.7–1.0 43.68N–.05 105.10W–.08 0 45 1-20
IDC XII 31 19 00 54.7–2.9 42.90N 105.00W 0 3.3,3.2 **¶602380511**
NEIC XII 31 19 01 03.4–.94 43.53N 105.45W 0 3.2L,3.2
ISC Event type sm.
IDC Error ellipse: s-maj=51.7km s-min=10.1km az=158.0.
NEIC Event type fm. Error ellipse: s-maj=12.7km s-min=5.4km az=72.0. 68 km [42 miles] E of Midwest. Suspected Mining explosion.

(366) Turkey

ISC XII 31 22 05 26.0–.85 37.15N–.03 28.82E–.04 0 18 0-1
ISCJB XII 31 22 05 26.7–.50 37.10N–.03 28.77E–.04 0 **¶602329671**
DDA XII 31 22 05 26.4 37.08N 28.78E 7 2.7L
ISK XII 31 22 05 26.1 37.11N 28.83E 10–0 2.1L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.7km s-min=3.9km az=172.9.
DDA Event type sm. Suspected Mining explosion.
ISK Event type ke.

REGIONAL CATALOGUE OF EVENTS

SEISMIC REGION 1.
Alaska-Aleutian Arc.

(1) Central Alaska.

ISC VII 02 16 36 28.0–.83 63.11N–.03 150.76W–.04 122–6 3.6b 87 0-63
ISCJB VII 02 16 36 26.9–.27 63.11N–.02 150.75W–.06 129–3 3.4b **¶601562064**
NEIC VII 02 16 36 28.3–.00 63.11N 150.80W 119 3.2L
IDC VII 02 16 36 28.7–4.1 63.16N 150.43W 132–36 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=5.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=46.4km s-min=33.7km az=34.0.
ISC VII 10 04 06 54.0–.47 63.43N–.03 149.42W–.03 111–4 4.2b 198 0-153
ISCJB VII 10 04 06 52.7–.15 63.45N–.02 149.41W–.04 115–1 4.0b **¶601605925**
NEIC VII 10 04 06 54.3–.00 63.44N 149.39W 104 4.3L,4.2W
IDC VII 10 04 06 54.5–.76 63.56N 149.57W 112–6 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=160.4.
NEIC Event type fe. Felt at Denali National Park, Fairbanks and North Pole. After AEIC. Moment Tensor Solution. s40 Moment tensor: Scale 10^{15}Nm; M_{rr}1.87 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$0.51 $M_{r\theta}$-0.12 $M_{\theta\phi}$1.11 $M_{\phi r}$1.33 Best double couple: NP1:ϕ_s318.00000°,δ60.00000°,λ129.00000°. NP2: ϕ_s79.00000°,δ47.00000°,λ43.00000°. Principal axes: T 2.7300,Plg56.0000°,Azm280.0000° ; N 0.0900,Plg33.0000°,Azm116.0000°; P -2.8300,Plg7.0000°,Azm21.0000° M_o2.80000×10^{15}
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=28.0.
ISC VII 10 09 38 17.3–.84 62.17N–.03 149.44W–.03 53–8 3.2b 114 0-44
IDC VII 10 09 38 15.9–2.3 62.25N 149.94W 52–26 3.7,3.6 **¶601625000**
ISCJB VII 10 09 38 16.2–.21 62.18N–.02 149.39W–.04 64–4 3.3b,3.6
NEIC VII 10 09 38 17.9–.00 62.18N 149.41W 47 3.4L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=16.2km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=3.0km az=137.6.
NEIC Event type se. After AEIC.
NEIC VII 10 14 56 23.9–.00 64.47N 146.83W 5 3.6L
¶601625004
NEIC Event type fe. Felt [III] at Fairbanks and [II] at Eielson AFB. Also felt at North Pole and Salcha. After AEIC.
ISC VII 12 20 17 25.3–.68 62.86N–.03 151.16W–.04 122–5 3.9b 121 0-78
IDC VII 12 20 17 23.6–1.2 62.83N 151.19W 108–16 4.0,3.7 **¶601625029**
ISCJB VII 12 20 17 24.1–.21 62.88N–.02 151.16W–.05 129–2 3.8b,3.7
NEIC VII 12 20 17 25.7–.00 62.87N 151.17W 117 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=9.9km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=7.1.
NEIC Event type se. After AEIC.
ISC VII 14 21 24 58.5–.71 63.01N–.03 149.86W–.03 93–5 3.9b 105 0-65
ISCJB VII 14 21 24 57.2–.23 63.03N–.02 149.80W–.05 97–3 3.8b **¶601456900**
NEIC VII 14 21 24 58.3–.00 63.04N 149.84W 89 3.5L
IDC VII 14 21 25 00.5–4.1 63.26N 149.66W 99–32 3.8,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.3km az=162.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=39.3km s-min=20.1km az=37.0.
ISC VII 27 00 33 36.8–.99 62.21N–.03 150.93W–.03 97–6 85 0-63
IDC VII 27 00 33 35.8–2.6 62.35N 151.31W 68–40 4.0,3.9 **¶601519878**
ISCJB VII 27 00 33 36.1–.30 62.22N–.02 150.92W–.06 101–3 3.9b,3.9
NEIC VII 27 00 33 38.2–.00 62.23N 150.99W 88 3.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=17.9km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=25.8.
NEIC Event type se. After AEIC.
ISC VII 27 09 39 38.2–.86 63.05N–.03 151.08W–.04 122–6 3.3b 105 1-45
ISCJB VII 27 09 39 37.0–.36 63.06N–.02 150.94W–.07 128–3 3.5b **¶601666514**
IDC VII 27 09 39 36.9–2.4 63.07N 151.29W 109–21 3.5,3.3
NEIC VII 27 09 39 38.2–.00 63.07N 150.96W 122 3.3L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=175.5.
IDC Error ellipse: s-maj=33.2km s-min=21.7km az=85.0.
NEIC Event type se. After AEIC.
ISC VIII 03 08 22 36.7–.87 62.57N–.03 151.52W–.04 101–6 3.8b 88 0-63
ISCJB VIII 03 08 22 35.3–.30 62.58N–.02 151.47W–.06 111–3 3.8b **¶601696409**
IDC VIII 03 08 22 35.0–2.2 62.56N 152.11W 83–26 3.5,3.3
NEIC VIII 03 08 22 37.0–.00 62.58N 151.50W 95 3.0L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=172.9.
IDC Error ellipse: s-maj=27.0km s-min=16.9km az=101.0.
NEIC Event type se. After AEIC.
ISC VIII 04 14 17 52.7–.59 63.24N–.03 150.69W–.03 134–5 4.0b 169 0-82
IDC VIII 04 14 17 50.5–1.1 63.27N 151.00W 112–10 4.0,3.8 **¶601520334**
ISCJB VIII 04 14 17 51.1–.19 63.25N–.02 150.68W–.04 136–2 3.9b,3.8
NEIC VIII 04 14 17 52.5–.00 63.23N 150.68W 130 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=8.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.9km az=15.9.
NEIC Event type se. After AEIC.
ISC VIII 07 10 20 05.4–1.1 63.35N–.03 145.19W–.03 5–9 3.1b 72 0-64
ISCJB VIII 07 10 20 04.8–.51 63.36N–.02 145.11W–.04 7–4 3.2b **¶601734817**
NEIC VIII 07 10 20 05.3–.00 63.34N 145.18W 6 3.4L
IDC VIII 07 10 20 05.9–.77 63.48N 145.01W 0 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=27.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=11.0km s-min=9.1km az=49.0.
ISC VIII 07 10 24 57.2–1.1 63.38N–.02 145.14W–.03 3–8 3.8b,3.4s 128 0-145
ISCJB VIII 07 10 24 57.6–.41 63.38N–.02 145.14W–.04 11–3 3.8b,3.4s **¶601529217**
NEIC VIII 07 10 24 57.8–.00 63.34N 145.18W 5 4.1L,4.1W
IDC VIII 07 10 24 57.5–.51 63.45N 145.05W 0 3.9,3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=160.6.
NEIC Event type fe. Felt at Delta Junction, Fairbanks and Tok. After AEIC. Moment Tensor Solution. s86 Moment tensor: Scale 10^{15}Nm; M_{rr}1.14 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.15 $M_{r\theta}$-1.36 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s260.00000°,δ71.00000°,λ67.00000°. NP2:ϕ_s132.00000° ,δ29.00000°,λ138.00000°. Principal axes: T 1.9900,Plg58.0000°,Azm139.0000° ; N -0.0600,Plg21.0000°,Azm268.0000°; P -1.9300,Plg23.0000°,Azm7.0000° M_o2.00000×10^{15}
IDC Error ellipse: s-maj=11.4km s-min=7.1km az=47.0.
ISC VIII 07 10 44 49.5–1.2 63.36N–.02 145.05W–.03 2–10 75 0-64
ISCJB VIII 07 10 44 49.9–.49 63.35N–.02 145.12W–.05 6–4 3.5b **¶601734819**
IDC VIII 07 10 44 49.2–1.8 63.34N 145.04W 0 3.5,3.4b
NEIC VIII 07 10 44 50.5–.00 63.33N 145.16W 7 3.6L,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=176.4.
IDC Error ellipse: s-maj=20.3km s-min=13.9km az=16.0.
NEIC Event type se. After AEIC.
ISC VIII 14 14 37 44.7–1.1 63.33N–.02 145.13W–.02 4–10 69 0-6
ISCJB VIII 14 14 37 44.0–.59 63.35N–.02 145.07W–.05 4–5 **¶601765856**
NEIC VIII 14 14 37 44.8–.00 63.33N 145.15W 3 2.6L,2.5L
PGC VIII 14 14 37 45.4–.59 63.33N 145.21W 10 2.8L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=10.0.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 207km Ese of Fairbanks, Ak Central Alaska.
ISC VIII 23 17 22 03.1–1.2 63.17N–.02 144.38W–.02 6–11 67 0-5
ISCJB VIII 23 17 22 02.5–.49 63.14N–.02 144.34W–.04 1–4 **¶601623525**
NEIC VIII 23 17 22 04.3–.00 63.16N 144.39W 14 2.5L
PGC VIII 23 17 22 04.5–.01 63.12N 144.40W 9–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=34.6.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 243km northeast of Valdez, Ak Central Alaska.
ISC VIII 24 21 58 08.9–.66 63.94N–.02 148.40W–.03 10 3.8b 83 0-73
ISCJB VIII 24 21 58 08.8–.24 63.96N–.02 148.41W–.05 10 3.7b,3.0s **¶601643019**
NEIC VIII 24 21 58 09.4–.00 63.93N 148.41W 12 3.8W,3.7L
IDC VIII 24 21 58 12.9–1.9 64.10N 148.14W 27–13 3.8,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.7km az=6.1.
NEIC Event type fe. Felt [III] at Healy and [II] at Fairbanks. Also felt at Cantwell, Denali National Park and Nenana. After AEIC. Moment Tensor Solution. s46 Moment tensor: Scale 10^{14}Nm; M_{rr}4.20 $M_{\theta\theta}$-2.92 $M_{\phi\phi}$-1.28 $M_{r\theta}$4.58 $M_{\theta\phi}$-2.29 $M_{\phi r}$0.35 Best double couple: NP1:ϕ_s216.00000° ,δ26.00000°,λ54.00000°. NP2:ϕ_s76.00000°,δ69.00000°,λ107.00000°. Principal axes: T 6.5100,Plg62.0000°,Azm12.0000°; N -0.3400,Plg15.0000°,Azm250.0000° ; P -6.1700,Plg22.0000°,Azm153.0000° M_o6.30000×10^{14}
IDC Error ellipse: s-maj=27.4km s-min=12.8km az=114.0.
ISC VIII 28 15 34 59.1–.82 63.57N–.03 147.77W–.03 24–6 4.6b,3.4s 588 1-165
IDC VIII 28 15 34 55.8–.40 63.60N 148.05W 0 4.5,4.3 **¶601628803**
NEIC VIII 28 15 34 57.6–.00 63.53N 147.74W 13 4.6b,4.2L
ISCJB VIII 28 15 34 58.5–.40 63.57N–.01 147.80W–.03 30–3 4.5b,3.6s
ISC Event type fe.
NEIC Event type fe. Felt [II] at Fairbanks. Also felt at Cantwell, Denali Village and Healy. After AEIC. Moment Tensor Solution. s55 Moment tensor: Scale 10^{15}Nm; M_{rr}1.68 $M_{\theta\theta}$-1.71 $M_{\phi\phi}$0.03 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s249.00000°,δ39.00000° ,λ91.00000°. NP2:ϕ_s68.00000°,δ51.00000°,λ89.00000°. Principal axes: T 1.7300,Plg84.0000°,Azm331.0000°; N 0.3500,Plg1.0000°,Azm68.0000° ; P -2.0800,Plg6.0000°,Azm158.0000° M_o1.90000×10^{15}
ISCJB Event type fe.
ISC VIII 31 04 41 48.1–1.0 63.37N–.02 144.98W–.02 5–8 3.5b 122 0-61
ISCJB VIII 31 04 41 48.2–.43 63.39N–.02 144.95W–.04 6–3 4.0s,3.3b **¶601683840**
NEIC VIII 31 04 41 48.6–.00 63.36N 144.99W 6 3.7W,3.5L
IDC VIII 31 04 41 49.0–.79 63.56N 144.96W 0 3.9s,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=45.0.
NEIC Event type fe. Felt at Tok. After AEIC. Moment Tensor Solution. s45 Moment tensor: Scale 10^{14}Nm; M_{rr}1.15 $M_{\theta\theta}$-3.44 $M_{\phi\phi}$2.29 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.53 $M_{\phi r}$-2.36 Best double couple: NP1: ϕ_s245.00000°,δ66.00000°,λ28.00000°. NP2:ϕ_s143.00000°,δ65.00000°,λ153.00000°. Principal axes: T 4.4700,Plg36.0000°,Azm104.0000°; N -0.6500,Plg54.0000°,Azm283.0000° ; P -3.8200,Plg1.0000°,Azm14.0000° M_o4.20000×10^{14}
IDC Error ellipse: s-maj=13.8km s-min=12.2km az=48.0.
ISC IX 20 20 47 37.0–1.1 62.70N–.02 149.83W–.03 20–6 3.7b 109 0-146
IDC IX 20 20 47 33.1–1.9 62.58N 150.39W 0 4.1,3.8L **¶601846442**
ISCJB IX 20 20 47 36.9–.33 62.71N–.02 149.84W–.04 23–4 3.8b,3.7s
NEIC IX 20 20 47 36.9–.00 62.69N 149.82W 14 3.8L,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=19.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=13.7.
NEIC Event type se. After AEIC.
ISC IX 22 18 47 06.5–.98 62.22N–.02 145.71W–.02 13–7 3.6b,3.0s 111 0-56
ISCJB IX 22 18 47 06.8–.32 62.23N–.02 145.68W–.04 23–3 3.7b,3.0s **¶601751123**
NEIC IX 22 18 47 07.4–.00 62.21N 145.68W 22 3.8L,3.0s
IDC IX 22 18 47 09.9–2.4 62.38N 145.72W 23–17 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=168.4.
NEIC Event type fe. Felt [II] at Glennallen. After AEIC.
IDC Error ellipse: s-maj=14.1km s-min=13.6km az=29.0.
ISC IX 27 04 12 45.4–.73 62.88N–.03 150.51W–.03 94–5 3.8b 105 0-63
IDC IX 27 04 12 43.9–1.3 62.88N 150.51W 74–16 3.8,3.7 **¶601864260**
ISCJB IX 27 04 12 44.3–.26 62.88N–.02 150.49W–.05 99–3 3.6b,3.7
NEIC IX 27 04 12 45.6–.00 62.88N 150.52W 92 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=179.2.
NEIC Event type se. After AEIC.
ISC X 14 11 59 41.4–.96 63.49N–.02 144.84W–.02 10–8 123 0-9
PGC X 14 11 59 42.0–.20 63.47N 144.94W 5 3.2L **¶601834624**
NEIC X 14 11 59 41.7–.00 63.46N 144.93W 1 3.3L
ISC Event type fe.
PGC Event type ke. 203km Ese of Fairbanks, Ak Central Alaska.
NEIC Event type fe. Felt at Delta Junction. After AEIC.
ISC X 19 05 25 17.9–.69 63.53N–.03 149.60W–.04 114–5 3.8b 130 0-63
ISCJB X 19 05 25 16.6–.23 63.54N–.02 149.56W–.05 122–2 3.7b **¶601861541**
IDC X 19 05 25 16.6–1.9 63.66N 150.00W 101–15 3.9,3.7
NEIC X 19 05 25 18.3–.00 63.54N 149.54W 109 3.9b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=8.7.
IDC Error ellipse: s-maj=19.5km s-min=15.7km az=80.0.
NEIC Event type se. After AEIC.
ISC X 25 12 57 35.5–.98 63.78N–.02 148.30W–.02 12–7 3.9b 110 0-77
ISCJB X 25 12 57 35.1–.29 63.82N–.01 148.38W–.04 11–2 3.7b **¶601999607**
NEIC X 25 12 57 36.0–.00 63.79N 148.37W 11 3.6W,3.5L
IDC X 25 12 57 39.9–1.4 64.03N 148.33W 35–12 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=28.3.
NEIC Event type se. After AEIC. Moment Tensor Solution. s35 Moment tensor: Scale 10^{14}Nm; M_{rr}2.19 $M_{\theta\theta}$-2.36 $M_{\phi\phi}$0.17 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.30 Best double couple: NP1:ϕ_s62.00000° ,δ60.00000°,λ63.00000°. NP2:ϕ_s287.00000°,δ39.00000°,λ128.00000°. Principal axes: T 2.9000,Plg64.0000°,Azm286.0000°; N -0.3500,Plg23.0000°,Azm76.0000° ; P -2.5400,Plg11.0000°,Azm171.0000° M_o2.70000×10^{14}
IDC Error ellipse: s-maj=19.1km s-min=11.3km az=111.0.
ISC X 31 02 57 42.1–.83 62.06N–.02 146.56W–.03 47–9 4.1b 130 0-47
IDC X 31 02 57 39.4–.92 62.03N 146.22W 0 4.1,3.7 **¶601864432**
ISCJB X 31 02 57 41.4–.18 62.06N–.01 146.56W–.04 59–4 3.9b,3.2s
NEIC X 31 02 57 43.2–.00 62.05N 146.55W 42 4.4b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=10.1km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=156.8.
NEIC Event type fe. Felt [II] at Glennallen. Also felt at Anchorage. After AEIC. Moment Tensor Solution. s50 Moment tensor: Scale 10^{15}Nm; M_{rr}0.36 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$0.84 $M_{r\theta}$0.07 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s246.00000°,δ67.00000°,λ14.00000°. NP2:ϕ_s151.00000° ,δ77.00000°,λ156.00000°. Principal axes: T 1.3200,Plg26.0000°,Azm106.0000° ; N 0.1600,Plg63.0000°,Azm304.0000°; P -1.4800,Plg7.0000°,Azm200.0000° M_o1.40000×10^{15}
ISC XI 09 23 08 20.0–.61 63.22N–.04 151.51W–.04 11 3.8b 97 0-74
ISCJB XI 09 23 08 19.1–.26 63.23N–.02 151.52W–.06 11 3.6b,2.9s **¶601883721**
IDC XI 09 23 08 19.1–.69 63.30N 151.68W 0 3.8,3.7b
NEIC XI 09 23 08 20.1–.00 63.17N 151.51W 14 3.6L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=6.8.
IDC Error ellipse: s-maj=12.6km s-min=11.0km az=157.0.
NEIC Event type se. After AEIC.
ISC XI 10 10 01 21.1–1.1 63.12N–.02 151.50W–.03 5–9 89 0-46
ISCJB XI 10 10 01 21.0–.55 63.12N–.02 151.56W–.05 10–5 3.3b **¶602054298**
NEIC XI 10 10 01 21.7–.00 63.12N 151.59W 13 3.5L
IDC XI 10 10 01 22.9–1.6 63.11N 151.07W 0 3.8,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=19.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=28.4km s-min=9.6km az=116.0.
ISC XI 17 00 35 00.7–.92 63.08N–.03 149.33W–.04 96–6 89 0-63
ISCJB XI 17 00 35 00.3–.28 63.10N–.02 149.34W–.06 103–4 3.6b **¶601992341**
IDC XI 17 00 35 00.7–2.0 63.13N 149.47W 92–19 3.6,3.4
NEIC XI 17 00 35 01.0–.00 63.09N 149.33W 89 3.1L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=20.1.
IDC Error ellipse: s-maj=25.2km s-min=17.5km az=107.0.

NEIC Event type se. After AEIC.
ISC XI 28 20 31 26.7–1.2 63.49N–.03 151.19W–.03 7–9 61 0-46
ISCJB XI 28 20 31 26.5–.53 63.45N–.02 151.20W–.06 9–4 3.7s,3.5b **¶602311689**
NEIC XI 28 20 31 27.3–.00 63.44N 151.17W 11 3.1L,3.5b
IDC XI 28 20 31 27.8–1.9 63.59N 151.10W 0 3.4b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=28.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=29.0km s-min=12.5km az=118.0.
ISC XII 04 05 00 41.6–1.4 63.30N–.03 151.59W–.03 3–10 3.9b 99 0-62
IDC XII 04 05 00 40.7–.97 63.25N 151.72W 0 4.0,3.8 **¶601996027**
NEIC XII 04 05 00 42.6–.00 63.29N 151.59W 10 3.9L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=12.2km az=164.0.
NEIC Event type se. After AEIC.
ISC XII 18 03 17 55.1–1.2 63.53N–.03 151.03W–.03 17–8 81 0-46
ISCJB XII 18 03 17 56.7–.39 63.54N–.02 150.85W–.05 20–5 2.8b **¶602355631**
NEIC XII 18 03 17 56.3–.00 63.51N 150.90W 10 3.6L,3.5W
IDC XII 18 03 18 01.9–2.5 63.39N 149.65W 17–15 3.4,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=19.9.
NEIC Event type se. After AEIC. Moment Tensor Solution. s20 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.68 $M_{r\theta}$-0.58 $M_{\theta\phi}$-2.29 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s277.00000° ,δ79.00000°,λ166.00000°. NP2:ϕ_s9.00000°,δ77.00000°,λ12.00000°. Principal axes: T 2.7000,Plg18.0000°,Azm233.0000°; N -0.3600,Plg72.0000°,Azm58.0000° ; P -2.3400,Plg1.0000°,Azm323.0000° $M_0$2.50000×10^{14}
IDC Error ellipse: s-maj=55.3km s-min=12.6km az=120.0.
ISC XII 19 06 34 20.6–.99 62.89N–.03 150.79W–.04 107–7 78 1-63
IDC XII 19 06 34 19.7–2.1 62.86N 150.76W 99–24 3.3,3.1 **¶602391639**
ISCJB XII 19 06 34 20.2–.37 62.91N–.02 150.76W–.06 110–4 3.2b,3.1
NEIC XII 19 06 34 21.6–.00 62.91N 150.76W 98 2.9L,3.1
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=17.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.6km az=26.1.
NEIC Event type se. After AEIC.
ISC XII 26 02 38 13.4–1.0 62.80N–.02 143.40W–.02 13–10 61 1-7
NEIC XII 26 02 38 13.7–.00 62.82N 143.42W 8 2.6L **¶602392038**
PGC XII 26 02 38 14.3–.01 62.77N 143.40W 13–0 2.8L
ISC Event type ke.
NEIC Event type se. After AEIC.
PGC Event type ke. 239km Ene of Valdez, Ak Central Alaska.
ISC XII 31 08 42 21.0–1.1 63.06N–.02 151.41W–.03 6–9 107 0-45
ISCJB XII 31 08 42 21.4–.40 63.10N–.01 151.50W–.05 14–3 3.4b **¶602380481**
NEIC XII 31 08 42 21.9–.00 63.08N 151.51W 10 3.1L
IDC XII 31 08 42 22.5–2.8 62.94N 151.11W 0 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.4km az=5.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=33.7km s-min=19.3km az=97.0.

(2) Southern Alaska.

ISC VII 06 01 22 04.0–.36 61.67N–.03 151.31W–.03 88–2 4.6b 401 0-151
BJI VII 06 01 21 59.5 61.50N 151.30W 80 5.0b,4.8b **¶601243234**
MOS VII 06 01 22 01.3–.93 61.69N 151.49W 80 5.0b,4.8b
ISCJB VII 06 01 22 02.4–.15 61.69N–.02 151.24W–.03 88–1 4.6b,4.8b
NEIC VII 06 01 22 04.4–.00 61.68N 151.27W 85 4.7W,4.4L
IDC VII 06 01 22 04.7–.53 61.89N 151.48W 86–4 4.5,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=5.3km az=92.6.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.6km az=147.2.
NEIC Event type fe. Felt [IV] at Anchorage and [III] at Talkeetna. Also felt at Chugiak, Eagle River, Elmendorf AFB, Girdwood, Kenai, Wasilla and Willow. After AEIC. Moment Tensor Solution. s84 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64 $M_{\theta\theta}$-1.12 $M_{\phi\phi}$0.48 $M_{r\theta}$0.31 $M_{\theta\phi}$0.36 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s317.00000°,δ52.00000°,λ146.00000°. NP2:ϕ_s69.00000° ,δ64.00000°,λ43.00000°. Principal axes: T 1.0700,Plg48.0000°,Azm289.0000° ; N 0.1600,Plg41.0000°,Azm94.0000°; P -1.2300,Plg7.0000°,Azm190.0000° $M_0$1.20000×10^{16}
IDC Error ellipse: s-maj=10.2km s-min=9.5km az=52.0.
ISC VII 09 12 34 20.1–.91 59.71N–.04 153.72W–.05 146–7 85 0-57
ISCJB VII 09 12 34 19.0–.34 59.70N–.03 153.70W–.07 151–4 3.7b **¶601624983**
NEIC VII 09 12 34 21.0–.00 59.67N 153.62W 146 3.8b,3.0L
IDC VII 09 12 34 22.2–8.4 59.95N 153.70W 150–71 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=32.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=72.1km s-min=35.4km az=18.0.
ISC VII 15 01 34 26.0–.99 59.98N–.03 152.75W–.04 104–6 94 0-55
ISCJB VII 15 01 34 24.8–.34 59.98N–.02 152.71W–.06 110–3 4.1b **¶601468488**
IDC VII 15 01 34 25.3–2.1 59.96N 152.81W 83–37 3.7b,3.6
NEIC VII 15 01 34 27.1–.00 59.98N 152.79W 96 3.3L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=24.2.
IDC Error ellipse: s-maj=44.6km s-min=15.7km az=109.0.
NEIC Event type se. After AEIC.
ISC VII 19 17 02 11.1–1.4 59.35N–.03 154.32W–.04 7–9 4.2b,3.2s 403 0-149
IDC VII 19 17 02 10.7–.55 59.51N 154.29W 0 4.3,4.1L **¶601405518**
ISCJB VII 19 17 02 11.4–.41 59.37N–.02 154.29W–.04 22–3 4.2b,3.2s
NEIC VII 19 17 02 11.3–.00 59.37N 154.35W 9 4.5b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=10.1km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=27.8.
NEIC Event type se. After AEIC.
ISC VII 22 02 24 51.4–.91 60.40N–.03 152.07W–.04 94–6 4.0b 111 0-64
IDC VII 22 02 24 49.6–2.4 60.45N 152.39W 64–48 3.9,3.8 **¶601519830**
ISCJB VII 22 02 24 50.2–.24 60.40N–.02 152.03W–.05 102–3 3.9b,3.8
NEIC VII 22 02 24 52.5–.00 60.41N 152.10W 87 3.4L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=71.0km s-min=10.4km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.9km az=36.8.
NEIC Event type se. After AEIC.
ISC VII 23 10 13 18.6–1.0 60.27N–.03 146.61W–.03 12–6 3.9b 137 0-150
IDC VII 23 10 13 17.4–.67 60.28N 146.56W 0 4.0,3.8 **¶601666302**
ISCJB VII 23 10 13 18.1–.44 60.25N–.02 146.62W–.03 22–3 3.8b,3.8
NEIC VII 23 10 13 18.9–.00 60.28N 146.56W 4 3.7L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.6km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.7km az=13.9.
NEIC Event type se. After AEIC.
ISC VII 28 19 01 06.7–.43 59.40N–.04 152.02W–.03 63–3 4.4b 660 0-149
MOS VII 28 19 01 04.2–.86 59.43N 152.31W 52 4.8b **¶601484772**
ISCJB VII 28 19 01 06.1–.17 59.47N–.01 152.06W–.02 68–1 4.4b
NEIC VII 28 19 01 07.0–.00 59.38N 152.01W 63 4.4b,4.3L
IDC VII 28 19 01 07.5–.53 59.52N 152.23W 62–4 4.3,4.2
ISC Event type fe.
MOS Error ellipse: s-maj=9.8km s-min=4.2km az=88.4.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=7.8.
NEIC Event type fe. Felt [III] at Homer. Also felt at Anchor Point, Kasilof and Ninilchik. After AEIC.
IDC Error ellipse: s-maj=12.1km s-min=8.7km az=25.0.
ISC VIII 03 15 48 27.8–.76 59.88N–.03 152.23W–.03 88–6 4.0b 134 0-65
ISCJB VIII 03 15 48 26.5–.21 59.87N–.02 152.16W–.04 92–2 4.0b **¶601706360**
IDC VIII 03 15 48 26.4–1.6 59.95N 152.39W 64–24 4.0,4.0L
NEIC VIII 03 15 48 28.8–.00 59.86N 152.24W 80 3.3L,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=43.5.
IDC Error ellipse: s-maj=28.6km s-min=9.8km az=113.0.
NEIC Event type fe. Felt at Anchor Point. After AEIC.
ISC VIII 03 21 24 57.1–.65 59.98N–.04 153.53W–.04 153–5 3.8b 135 1-83
IDC VIII 03 21 24 54.6–1.0 60.02N 153.80W 121–12 4.0,3.8 **¶601551750**
ISCJB VIII 03 21 24 55.5–.22 59.98N–.02 153.53W–.05 156–2 3.7b,3.8
NEIC VIII 03 21 24 57.3–.00 59.96N 153.50W 154 3.8L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=10.7km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=135.6.
NEIC Event type se. After AEIC.
ISC VIII 09 16 43 22.9–.57 60.33N–.03 147.55W–.02 11–3 4.9b,3.9s 1165 1-161
BJI VIII 09 16 43 20.0 60.30N 147.50W 6 5.0b,4.8s **¶601534334**
MOS VIII 09 16 43 21.1–.90 60.42N 147.65W 10 5.1b,4.0s
ISCJB VIII 09 16 43 21.2–.10 60.41N–.02 147.56W–.03 10 4.8b,4.0s
NEIC VIII 09 16 43 24.6–.00 60.38N 147.53W 4 4.9b,4.8L
GCMT VIII 09 16 43 25.6–.40 60.29N–.04 147.61W–.04 30–1 4.8W,4.8L
IDC VIII 09 16 43 26.4–1.9 60.41N 147.56W 33–14 4.6,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=4.4km az=99.1.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=38.1.
NEIC Event type fe. Felt [III] at Anchorage, Copper Center, Girdwood, Palmer and Valdez and [II] at Chugiak, Cordova, Eagle River and Wasilla. Also felt at Cooper Landing, Elmendorf AFB, Fort Richardson, Glenallen, Homer, Moose Pass, Seward, Talkeetna and Willow. After AEIC. Moment Tensor Solution. s10 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.10 $M_{\theta\theta}$0.49 $M_{\phi\phi}$5.62 $M_{r\theta}$-0.38 $M_{\theta\phi}$4.08 $M_{\phi r}$5.58 Best double couple: NP1:ϕ_s52.00000°,δ33.00000°,λ-50.00000°. NP2:ϕ_s188.00000°,δ66.00000°,λ-112.00000°. Principal axes: T 9.3800,Plg18.0000° ,Azm294.0000°; N -0.6300,Plg20.0000°,Azm197.0000°; P -8.7500,Plg63.0000° ,Azm62.0000° $M_0$9.10000×10^{15}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s59,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.53±.17 $M_{\theta\theta}$-0.13±.12; $M_{\phi\phi}$1.66±.10; $M_{r\theta}$-0.79±.17; $M_{\theta\phi}$0.80±.07; $M_{\phi r}$0.90±.12; Best double couple: NP1:ϕ_s173.00000°,δ61.00000°,λ-124.00000°. NP2:ϕ_s47.00000°,δ43.00000°,λ-45.00000°. Principal axes: T 2.0670,Plg10.0000° ,Azm287.0000°; N 0.1580,Plg29.0000°,Azm191.0000°; P -2.2290,Plg59.0000°,Azm34.0000° $M_0$2.14800×10^{16}
IDC Error ellipse: s-maj=9.0km s-min=7.8km az=13.0.
ISC VIII 14 19 46 31.1–.60 59.64N–.04 152.89W–.04 97–5 4.2b 231 0-149
IDC VIII 14 19 46 29.2–1.2 59.74N 153.21W 72–12 4.1,3.9 **¶601734930**
ISCJB VIII 14 19 46 30.2–.17 59.72N–.02 152.92W–.04 96–2 4.2b,3.9
NEIC VIII 14 19 46 32.2–.00 59.63N 152.87W 87 4.3b,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=136.5.
NEIC Event type fe. Felt at Homer. After AEIC.
ISC VIII 15 08 38 50.6–1.0 59.77N–.04 153.31W–.05 142–7 90 0-55
ISCJB VIII 15 08 38 49.9–.38 59.77N–.03 153.30W–.07 142–3 3.5b **¶601765878**
IDC VIII 15 08 38 50.7–8.3 59.96N 153.52W 116–73 3.7,3.4
NEIC VIII 15 08 38 51.8–.00 59.75N 153.31W 138 3.2L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=27.1.
IDC Error ellipse: s-maj=65.9km s-min=36.0km az=17.0.
NEIC Event type se. After AEIC.
ISC VIII 25 16 36 10.1–.74 59.91N–.03 152.77W–.04 105–6 3.7b 133 0-65
ISCJB VIII 25 16 36 08.7–.25 59.91N–.02 152.75W–.04 111–2 3.6b **¶601643020**
IDC VIII 25 16 36 08.1–1.8 59.99N 153.06W 71–29 3.7,3.6
NEIC VIII 25 16 36 10.8–.00 59.90N 152.85W 102 3.4L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=39.4.
IDC Error ellipse: s-maj=32.3km s-min=9.9km az=109.0.
NEIC Event type fe. Felt at Anchorage. After AEIC.
ISC VIII 27 12 19 57.6–.84 60.27N–.03 152.46W–.04 110–6 3.9b 90 0-62
IDC VIII 27 12 19 55.8–1.6 60.33N 152.62W 83–26 3.7,3.5 **¶601766566**
ISCJB VIII 27 12 19 56.4–.31 60.26N–.03 152.45W–.06 118–3 3.9b,3.5
NEIC VIII 27 12 19 58.6–.00 60.27N 152.50W 105 3.2L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=9.9km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=21.8.
NEIC Event type se. After AEIC.
ISC VIII 28 02 28 23.8–.66 59.79N–.04 152.53W–.04 91–6 4.0b 125 0-149
ISCJB VIII 28 02 28 22.7–.21 59.80N–.02 152.50W–.04 100–2 4.0b **¶601755492**
IDC VIII 28 02 28 22.9–1.3 59.80N 152.54W 82–18 4.1,3.8
NEIC VIII 28 02 28 25.1–.00 59.82N 152.57W 84 3.9L,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=141.2.
IDC Error ellipse: s-maj=21.6km s-min=9.8km az=115.0.
NEIC Event type fe. Felt at Homer. After AEIC.
ISC VIII 30 13 03 04.1–.99 61.69N–.03 149.45W–.03 34–2 110 0-44
IDC VIII 30 13 03 02.2–1.3 61.57N 148.84W 0 4.1,3.8 **¶601755619**
ISCJB VIII 30 13 03 03.4–.22 61.69N–.02 149.41W–.04 51–4 3.4b,3.8
NEIC VIII 30 13 03 04.9–.00 61.70N 149.45W 37 3.6L,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=12.4km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=16.7.
NEIC Event type fe. Felt [II] at Chugiak, Eagle River, Palmer and Wasilla. Also felt at Anchorage. After AEIC.
ISC VIII 30 15 44 41.7–.77 60.40N–.03 152.26W–.04 91–6 3.8b 120 0-55
ISCJB VIII 30 15 44 39.9–.26 60.41N–.02 152.26W–.04 99–3 3.6b **¶601667536**
IDC VIII 30 15 44 40.6–3.1 60.40N 152.30W 61–29 3.9,3.7
NEIC VIII 30 15 44 42.2–.00 60.43N 152.42W 88 3.4L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=30.1.
IDC Error ellipse: s-maj=85.8km s-min=10.1km az=104.0.
NEIC Event type se. After AEIC.
ISC IX 05 06 33 54.6–.75 60.03N–.04 152.82W–.05 115–6 4.2b 95 0-62
IDC IX 05 06 33 52.9–1.9 60.02N 153.11W 89–28 4.1,3.9 **¶601839166**
ISCJB IX 05 06 33 53.2–.28 60.03N–.03 152.86W–.05 119–3 4.1b,3.9
NEIC IX 05 06 33 55.2–.00 60.02N 152.95W 112 3.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=14.5km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=43.0.
NEIC Event type se. After AEIC.
ISC IX 05 17 16 02.6–.55 60.38N–.03 152.28W–.03 87–4 3.9b 140 0-148
ISCJB IX 05 17 16 01.8–.22 60.37N–.02 152.18W–.04 100–2 3.9b **¶601675885**
IDC IX 05 17 16 01.2–.76 60.45N 152.55W 68–8 4.1,3.9
NEIC IX 05 17 16 04.3–.00 60.37N 152.22W 83 4.0L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.2km az=44.8.
IDC Error ellipse: s-maj=11.2km s-min=8.4km az=105.0.
NEIC Event type fe. Felt at Cooper Landing, Homer, Kenai and Sterling. After AEIC.
ISC IX 13 05 58 03.7–.60 59.61N–.04 153.18W–.04 105–5 4.6b 194 0-162
BJI IX 13 05 58 00.5 59.30N 153.74W 97 5.1b,4.7b **¶601712537**
ISCJB IX 13 05 58 02.0–.17 59.64N–.02 153.15W–.04 115–2 4.4b,4.7b
IDC IX 13 05 58 01.7–1.1 59.64N 153.40W 88–12 4.5,4.4
NEIC IX 13 05 58 04.2–.00 59.62N 153.16W 104 4.2b,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=141.4.
IDC Error ellipse: s-maj=13.5km s-min=9.3km az=103.0.
NEIC Event type fe. Felt at Anchor Point and Kodiak. After AEIC. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}0.74 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.41 $M_{r\theta}$0.39 $M_{\theta\phi}$0.37 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s315.00000°,δ51.00000°,λ145.00000°. NP2:ϕ_s69.00000° ,δ64.00000°,λ45.00000°. Principal axes: T 1.4200,Plg50.0000°,Azm288.0000° ; N -0.1600,Plg39.0000°,Azm93.0000°; P -1.2600,Plg8.0000°,Azm189.0000° $M_0$1.40000×10^{15}
NEIC X 12 13 44 24.7–.00 61.32N 147.09W 6 3.5L
¶601909982
NEIC Event type se. After AEIC.
ISC X 14 09 58 25.0–.41 60.11N–.03 152.54W–.04 80–3 4.4b 334 0-148
IDC X 14 09 58 23.3–1.3 60.20N 152.79W 63–14 4.3,4.2 **¶601833195**
ISCJB X 14 09 58 25.4–.15 60.20N–.02 152.62W–.03 93–1 4.4b,4.2
NEIC X 14 09 58 27.1–.00 60.11N 152.56W 88 4.4b,4.2L
ISC Event type fe.
IDC Error ellipse: s-maj=10.0km s-min=9.1km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.5km az=145.8.
NEIC Event type fe. Felt [II] at Homer. Also felt at Anchorage, Chugiak, Eagle River, Kenai, Ninilchik and Sterling. After AEIC.
ISC X 28 22 17 08.0–.85 61.99N–.03 149.97W–.03 54–8 3.6b 96 1-146
IDC X 28 22 17 06.8–1.7 61.97N 150.22W 46–19 3.7,3.6 **¶602000159**
ISCJB X 28 22 17 07.1–.23 62.00N–.02 149.96W–.04 66–4 3.5b,3.6

NEIC X 28 22 17 08.9–.00 61.99N 149.96W 43 3.6L,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=14.5km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.3km az=2.4.
NEIC Event type fe. Felt at Eagle River, Talkeetna and Willow. After AEIC.
ISC X 29 21 41 32.1–.54 61.58N–.02 141.05W–.02 10 3.7b 118 0-79
NEIC X 29 21 41 30.8–.00 61.55N 140.92W 1 3.9L **¶601859243**
ISCJB X 29 21 41 31.2–.21 61.62N–.02 140.94W–.04 10 3.6b,3.1s
IDC X 29 21 41 33.2–.77 61.79N 141.06W 0 3.8,3.7
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=167.3.
IDC Error ellipse: s-maj=14.7km s-min=8.5km az=36.0.
ISC X 30 22 02 46.5–.43 61.50N–.03 150.74W–.03 72–3 4.5b 525 0-147
MOS X 30 22 02 44.4–.87 61.56N 150.99W 66 5.0b **¶601864424**
ISCJB X 30 22 02 45.3–.15 61.55N–.02 150.73W–.03 74–1 4.4b
IDC X 30 22 02 46.1–.56 61.54N 151.01W 70–4 4.2,4.1
NEIC X 30 22 02 47.1–.00 61.49N 150.72W 65 4.4W,4.3b
ISC Event type fe.
MOS Error ellipse: s-maj=11.6km s-min=5.0km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=21.8.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=104.0.
NEIC Event type fe. Felt [III] at Anchorage and Girdwood and [II] at Kenai and Willow. Also felt at Eagle River, Elmendorf AFB, Soldotna, Talkeetna and Wasilla. After AEIC. Moment Tensor Solution. s75 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.19 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$4.22 $M_{r\theta}$1.81 $M_{\theta\phi}$-0.49 $M_{\phi r}$2.85 Best double couple: NP1:ϕ_s195.00000°,δ64.00000°,λ-71.00000°. NP2:ϕ_s336.00000° ,δ32.00000°,λ-124.00000°. Principal axes: T 5.1000,Plg17.0000°,Azm271.0000° ; N 0.5900,Plg17.0000°,Azm6.0000°; P -5.6900,Plg65.0000°,Azm139.0000° $M_0$5.40000×10^{15}
NEIC XI 04 20 43 59.1–.00 59.07N 152.61W 62 3.6L
¶602051272
NEIC Event type se. After AEIC.
ISC XI 05 12 41 13.7–.63 60.87N–.03 152.46W–.04 131–5 3.8b 192 0-83
IDC XI 05 12 41 12.0–1.5 60.83N 152.87W 108–17 4.0,3.8 **¶602054254**
NEIC XI 05 12 41 14.8–.00 60.86N 152.53W 125 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=13.0km az=119.0.
NEIC Event type se. After AEIC.
ISC XI 09 00 00 51.5–1.0 59.86N–.04 152.87W–.05 101–7 79 0-58
ISCJB XI 09 00 00 50.3–.41 59.84N–.03 152.84W–.07 109–4 3.9b **¶601991576**
IDC XI 09 00 00 50.3–1.9 59.89N 152.99W 80–30 3.7,3.6
NEIC XI 09 00 00 52.6–.00 59.86N 152.93W 96 3.2L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=6.3.
IDC Error ellipse: s-maj=38.9km s-min=10.6km az=107.0.
NEIC Event type se. After AEIC.
ISC XI 30 14 27 04.7–.51 61.38N–.03 151.53W–.03 91–4 4.0b 156 0-83
ISCJB XI 30 14 27 03.0–.17 61.37N–.02 151.48W–.04 94–2 3.9b **¶601995456**
IDC XI 30 14 27 04.7–.65 61.39N 151.74W 92–6 4.0,3.9
NEIC XI 30 14 27 05.3–.00 61.35N 151.50W 80 4.1W,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=45.0.
IDC Error ellipse: s-maj=11.8km s-min=10.3km az=84.0.
NEIC Event type fe. Felt at Anchorage, Eagle River, Girdwood and Willow. After AEIC. Moment Tensor Solution. s17 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.27 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.57 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.44 Best double couple: NP1:ϕ_s32.00000°,δ13.00000°,λ-25.00000°. NP2: ϕ_s146.00000°,δ85.00000°,λ-102.00000°. Principal axes: T 1.8600,Plg39.0000° ,Azm247.0000°; N -0.1200,Plg12.0000°,Azm147.0000°; P -1.7400,Plg49.0000° ,Azm44.0000° $M_0$1.80000×10^{15}
ISC XII 02 13 55 42.8–.81 59.82N–.04 153.24W–.04 122–5 3.8b 107 0-57
IDC XII 02 13 55 40.8–1.6 59.87N 153.35W 94–27 3.7,3.5 **¶602329944**
ISCJB XII 02 13 55 41.7–.27 59.82N–.03 153.19W–.06 128–2 3.9b,3.5
NEIC XII 02 13 55 44.2–.00 59.82N 153.24W 114 3.0L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=11.7km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=37.5.
NEIC Event type se. After AEIC.
ISC XII 04 01 42 47.9–.20 61.27N–.02 150.82W–.02 68–1 5.7b 2379 0-171
BJI XII 04 01 42 43.3 61.24N 150.92W 57 5.8b,5.7b **¶601996019**
MOS XII 04 01 42 45.5–.93 61.32N 151.03W 60 5.9b,4.9s
ISCJB XII 04 01 42 46.5–.12 61.333N–.01 150.82W–.02 68–1 5.5b,4.9s
NEIC XII 04 01 42 48.0–.00 61.23N 150.72W 50 5.5b,4.9s
AEIC XII 04 01 42 48.5 61.24N 150.76W 62 5.8W,5.7W
NEIC XII 04 01 42 48.5–.00 61.24N 150.76W 62 5.8L,5.8W
IDC XII 04 01 42 48.5–.31 61.42N 151.01W 72–2 5.4,5.2
GCMT XII 04 01 42 50.5–.10 61.38N–.01 151.05W–.01 76–0 5.8W,5.2
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}2.41 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$1.42 $M_{r\theta}$0.22 $M_{\theta\phi}$2.38 $M_{\phi r}$3.55 Best double couple: NP1:ϕ_s328.00000° ,δ68.00000°,λ137.00000°. NP2:ϕ_s77.00000°,δ51.00000°,λ29.00000°. Principal axes: T 5.8200,Plg45.0000°,Azm285.0000°; N -0.8800,Plg42.0000°,Azm125.0000° ; P -4.9400,Plg10.0000°,Azm26.0000° $M_0$5.40000×10^{17}
NEIC Event type fe. Felt [V] at Anchorage, Cooper Landing and Willow; [IV] at Anchor Point, Chugiak, Eagle River, Elmendorf AFB, Fort Richardson, Girdwood, Kasilof, Kenai, Palmer, Seward, Soldotna, Sterling, Talkeetna and Wasilla; [III] at Fairbanks, Homer and Ninilchik; [II] at Kodiak and Valdez. Felt widely in central and southern Alaska. After AEIC. Moment Tensor Solution. s102 Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-3.69 $M_{\phi\phi}$1.22 $M_{r\theta}$0.39 $M_{\theta\phi}$2.04 $M_{\phi r}$2.74 Best double couple: NP1:ϕ_s324.00000°,δ63.00000°,λ138.00000°. NP2: ϕ_s76.00000°,δ54.00000°,λ34.00000°. Principal axes: T 4.9500,Plg48.0000°,Azm286.0000° ; N -0.4700,Plg42.0000°,Azm117.0000°; P -4.4800,Plg6.0000°,Azm22.0000° $M_0$4.70000×10^{17} Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}2.34 $M_{\theta\theta}$-4.28 $M_{\phi\phi}$1.95 $M_{r\theta}$0.08 $M_{\theta\phi}$1.86 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s70.00000°,δ54.00000° ,λ30.00000°. NP2:ϕ_s322.00000°,δ66.00000°,λ140.00000°. Principal axes: T 5.5500,Plg45.0000°,Azm281.0000°; N -0.6500,Plg44.0000°,Azm116.0000° ; P -4.9000,Plg7.0000°,Azm19.0000° $M_0$5.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c264; s136,c361; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.41±.05 $M_{\theta\theta}$-4.28±.06; $M_{\phi\phi}$2.87±.06; $M_{r\theta}$0.17±.05; $M_{\theta\phi}$2.62±.05; $M_{\phi r}$3.46±.04; Best double couple: NP1:ϕ_s328.00000°,δ73.00000° ,λ146.00000°. NP2:ϕ_s69.00000°,δ58.00000°,λ20.00000°. Principal axes: T 6.1310,Plg36.0000°,Azm285.0000°; N -0.8410,Plg53.0000°,Azm124.0000° ; P -5.2900,Plg9.0000°,Azm22.0000° $M_0$5.71000×10^{17}
ISC XII 04 14 35 32.6–.98 61.24N–.03 150.80W–.03 65–7 81 0-55
ISCJB XII 04 14 35 31.9–.29 61.26N–.02 150.79W–.05 73–4 4.1b **¶602330073**
IDC XII 04 14 35 32.0–1.3 61.09N 150.41W 76–27 3.7b,3.6
NEIC XII 04 14 35 33.6–.00 61.26N 150.81W 58 3.2L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=143.9.
IDC Error ellipse: s-maj=41.5km s-min=9.5km az=112.0.
NEIC Event type fe. Felt at Anchorage and Eagle River. After AEIC.
ISC XII 06 14 19 40.4–.86 61.49N–.02 148.28W–.02 15–6 3.9b 100 0-65
IDC XII 06 14 19 38.0–.89 61.28N 148.44W 0 3.8,3.7b **¶602068749**
ISCJB XII 06 14 19 40.5–.33 61.58N–.02 148.23W–.03 9–3 3.7b,3.2s
NEIC XII 06 14 19 41.0–.00 61.58N 148.24W 12 3.5L,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=25.4.
NEIC Event type fe. Felt at Palmer. After AEIC.
IDC XII 06 15 32 02.3–2.2 61.30N 151.83W 86–23 2.9,2.9
¶602063215
IDC Error ellipse: s-maj=49.4km s-min=9.8km az=108.0.
ISC XII 07 20 45 09.7–.71 59.73N–.04 152.85W–.05 116–6 3.8b 137 0-149
ISCJB XII 07 20 45 08.3–.25 59.72N–.02 152.89W–.04 116–2 3.8b **¶602032167**
IDC XII 07 20 45 08.5–1.7 59.72N 153.25W 93–24 3.8s,3.8
NEIC XII 07 20 45 11.0–.00 59.73N 152.92W 101 3.7L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=161.9.
IDC Error ellipse: s-maj=28.3km s-min=15.7km az=111.0.
NEIC Event type se. After AEIC.
ISC XII 09 07 28 54.8–.77 59.96N–.03 152.21W–.03 77–6 3.4b 80 0-65
IDC XII 09 07 28 52.8–1.9 59.95N 152.44W 57–22 3.4,3.4 **¶602330431**
ISCJB XII 09 07 28 53.5–.31 59.95N–.02 152.19W–.06 85–3 3.4b,3.4
NEIC XII 09 07 28 55.8–.00 59.97N 152.25W 69 3.0L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=10.0km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=26.7.
NEIC Event type se. After AEIC.
ISC XII 10 07 35 01.7–.66 61.80N–.03 152.11W–.04 117 3.9b 98 0-82
IDC XII 10 07 35 00.3–1.8 61.66N 152.20W 110–20 3.9,3.7 **¶602340308**
ISCJB XII 10 07 35 01.2–.24 61.83N–.02 152.10W–.06 117 3.8b,3.7
NEIC XII 10 07 35 03.2–.00 61.80N 152.10W 111 3.6L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=16.9km s-min=15.1km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=23.0.
NEIC Event type fe. Felt at Palmer. After AEIC.
ISC XII 10 09 42 15.8–.91 60.52N–.04 152.76W–.05 133–6 71 0-62
ISCJB XII 10 09 42 14.8–.37 60.52N–.03 152.78W–.09 137–3 3.6b **¶602355579**
IDC XII 10 09 42 15.5–1.9 60.46N 152.86W 124–31 3.7,3.4b
NEIC XII 10 09 42 16.9–.00 60.52N 152.82W 128 3.0L,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.6km az=23.3.
IDC Error ellipse: s-maj=40.2km s-min=18.6km az=114.0.
NEIC Event type fe. Felt at Anchorage. After AEIC.
ISC XII 12 00 59 35.7–.70 61.41N–.03 151.81W–.03 114–5 3.3b 92 0-68
IDC XII 12 00 59 33.5–1.7 61.41N 152.26W 92–19 3.6,3.5 **¶602063643**
ISCJB XII 12 00 59 34.5–.29 61.41N–.02 151.79W–.06 116–2 3.5b,3.5
NEIC XII 12 00 59 36.5–.00 61.38N 151.79W 108 3.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=13.6km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=26.3.
NEIC Event type se. After AEIC.
ISC XII 13 14 13 00.7–.71 59.82N–.04 153.75W–.04 153–5 149 0-64
IDC XII 13 14 12 57.6–1.2 59.87N 154.22W 119–12 3.8,3.7 **¶602355605**
ISCJB XII 13 14 12 59.8–.24 59.84N–.02 153.72W–.05 156–2 3.5b,3.7
NEIC XII 13 14 13 01.7–.00 59.80N 153.71W 151 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=11.3km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.9km az=42.7.
NEIC Event type se. After AEIC.
NEIC XII 22 12 57 26.7–.00 61.05N 158.61W 19 3.9L
¶602374099
NEIC Event type se. After AEIC.
ISC XII 24 17 28 24.2–.52 61.26N–.03 150.80W–.03 63–4 4.3b 206 0-147
ISCJB XII 24 17 28 23.6–.16 61.30N–.02 150.82W–.03 70–1 4.3b **¶602057945**
NEIC XII 24 17 28 25.2–.00 61.24N 150.76W 61 4.4b,4.2W
IDC XII 24 17 28 25.2–.86 61.42N 150.91W 70–7 4.2,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=164.9.
NEIC Event type fe. Felt [III] at Anchorage and [II] at Girdwood, Palmer and Trapper Creek. Also felt at Chugiak, Eagle River, Elmendorf AFB, Soldotna, Tyonek, Wasilla and Willow. After AEIC. Moment Tensor Solution. $M_0$2.40000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=9.2km az=25.0.
ISC XII 25 03 43 29.7–.24 61.46N–.02 147.31W–.02 21–2 4.7b,3.5s 914 0-151
MOS XII 25 03 43 25.8–.88 61.50N 147.55W 10 4.9b,3.5s **¶602058095**
BJI XII 25 03 43 27.1 61.30N 147.40W 18 5.0b,4.7b
IDC XII 25 03 43 29.6–.68 61.47N 147.61W 24–3 4.5,4.5
ISCJB XII 25 03 43 31.0–.15 61.40N–.01 147.46W–.03 52–1 4.7b,3.5s
NEIC XII 25 03 43 32.5–.00 61.30N 147.44W 37 4.7b,4.4L
AEIC XII 25 03 43 32.5 61.30N 147.44W 37 4.7b,4.4L
ISC Event type fe.
MOS Error ellipse: s-maj=10.7km s-min=4.5km az=97.9.
IDC Error ellipse: s-maj=17.0km s-min=8.3km az=39.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=34.0.
NEIC Event type fe. Felt [III] at Glennallen and [II] at Anchorage and Valdez. Also felt at Chugiak, Cordova, Eagle River, Girdwood, Moose Pass, Palmer, Wasilla and Willow. After AEIC.
ISC XII 30 04 08 46.7–.93 59.89N–.03 152.13W–.04 88–7 89 0-31
ISCJB XII 30 04 08 45.5–.30 59.88N–.03 152.09W–.05 95–4 3.1b **¶602380872**
NEIC XII 30 04 08 47.7–.00 59.89N 152.15W 83 3.4L
IDC XII 30 04 08 47.5–2.4 59.80N 151.75W 48–34 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=40.2.
NEIC Event type fe. Felt at Anchor Point and Homer. After AEIC.
IDC Error ellipse: s-maj=56.6km s-min=14.0km az=110.0.
ISC XII 31 11 38 28.4–.71 61.60N–.02 141.05W–.03 10–4 4.2b 264 0-146
ISCJB XII 31 11 38 25.1–.51 61.63N–.02 141.08W–.03 4–4 4.1b,3.9s **¶602068362**
MOS XII 31 11 38 26.6–1.5 61.65N 141.19W 10 4.6b,3.9s
IDC XII 31 11 38 26.4–.59 61.72N 141.12W 0 4.2,4.0
NEIC XII 31 11 38 27.4–.00 61.58N 141.06W 18 4.1L,4.1W
PGC XII 31 11 38 27.1–.30 61.60N 141.16W 10 4.1L,4.1W
AEIC XII 31 11 38 27.4 61.58N 141.06W 18 4.1W,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=36.2.
MOS Error ellipse: s-maj=14.9km s-min=6.6km az=106.1.
IDC Error ellipse: s-maj=15.4km s-min=8.2km az=41.0.
NEIC Event type se. After AEIC. Moment Tensor Solution. s23 Moment tensor: Scale 10^{15}Nm; M_{rr}0.38 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$0.46 $M_{r\theta}$-1.14 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s140.00000° ,δ28.00000°,λ161.00000°. NP2:ϕ_s247.00000°,δ81.00000°,λ63.00000°. Principal axes: T 1.4500,Plg47.0000°,Azm129.0000°; N 0.0800,Plg26.0000°,Azm251.0000° ; P -1.5200,Plg31.0000°,Azm359.0000° $M_0$1.50000×10^{15}
PGC Event type ke. 216km Wnw of Haines Jct., Yt Southern Alaska.

(3) Bering Sea.

ISC XII 05 00 33 35.2–.39 60.27N–.06 177.20W–.04 35 4.3b,4.0s 113 4-150
BJI XII 05 00 33 30.6 60.70N 177.80W 10 4.9b,4.7b **¶601996059**
IDC XII 05 00 33 31.0–.76 60.41N 177.66W 0 4.1,4.0
NEIC XII 05 00 33 31.7–.31 60.30N 177.37W 10 4.4L,4.2b
MOS XII 05 00 33 31.2–1.4 60.51N 177.47W 10 4.5b,4.2b
ISCJB XII 05 00 33 32.9–.26 60.22N–.05 177.24W–.07 33 4.3b,4.0s
AEIC XII 05 00 33 34.2–.00 60.36N 177.14W 26 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=13.3km az=5.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.6km az=171.0.
MOS Error ellipse: s-maj=12.3km s-min=9.7km az=94.5.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=177.0.
AEIC Event type se.

(4) Komandorsky Islands region.

ISC VII 02 04 15 23.9–1.4 56.07N–.04 164.62E–.03 1–9 4.3b,3.2s 160 1-75
KRSC VII 02 04 15 24.8–.98 56.04N 164.71E 60–18 4.5L,3.2s **¶601237214**
IDC VII 02 04 15 25.0–.83 56.30N 164.52E 0 4.1L,4.0
NEIC VII 02 04 15 26.4–.25 56.22N 164.51E 10 4.4b,4.0
MOS VII 02 04 15 27.8–.84 56.02N 164.54E 47 4.4b,4.0
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=13.4km az=164.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=3.7km az=154.0.
MOS Error ellipse: s-maj=8.0km s-min=5.4km az=50.3.
ISC VII 02 04 46 47.5–3.1 56.04N–.04 164.64E–.03 8–21 3.7b,2.8s 117 1-54
KRSC VII 02 04 46 47.7–1.6 56.02N 164.67E 65–26 4.2L,2.8s **¶601237221**
IDC VII 02 04 46 47.5–1.6 56.23N 164.54E 0 3.6,3.5b
MOS VII 02 04 46 49.7–1.0 56.02N 164.67E 35 4.3b,3.5b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=17.0km az=170.0.
MOS Error ellipse: s-maj=8.2km s-min=5.7km az=136.3.
KRSC VII 02 18 48 36.2–1.4 53.83N 168.68E 33–25 4.0L
¶604183836
KRSC Event type se.
ISC VII 03 05 51 27.8–.54 53.92N–.06 169.02E–.05 25 4.0b 135 2-79
MOS VII 03 05 51 23.7–.93 53.96N 169.18E 9 4.2b **¶601242396**
IDC VII 03 05 51 25.2–.94 54.22N 169.16E 0 4.0,3.9b

ISCJB	VII	03 05 51 26.1–.30	53.95N–.04	168.98E–.03	25	3.9b,3.5s		
NEIC	VII	03 05 51 26.9–.27	54.20N	169.17E	10	4.0b,3.5s		
KRSC	VII	03 05 51 27.0–1.3	53.87N	168.39E	7–34	4.1L,3.5s		
ISC	Event type se.							
MOS	Error ellipse: s-maj=9.7km s-min=6.3km az=27.1.							
IDC	Error ellipse: s-maj=25.2km s-min=15.2km az=180.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=1.1.							
NEIC	Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=177.0.							
KRSC	Event type se.							
KRSC	**VII**	**03 20 43 43.4–1.5**	**53.97N**	**168.46E**	**43–23**	**3.7L**		**¶604183837**
KRSC	Event type se.							
KRSC	**VII**	**03 21 29 13.8–1.4**	**55.56N**	**164.57E**	**50–24**	**3.7L**		**¶604183838**
KRSC	Event type se.							
ISC	**VII**	**04 08 40 18.8–.67**	**54.13N–.09**	**168.87E–.06**	**20**	**4.1b**	**55**	**2-97**
IDC	VII	04 08 40 15.9–.94	54.45N	168.91E	0	4.0s,4.0		**¶601243260**
ISCJB	VII	04 08 40 17.3–.38	54.12N–.05	168.82E–.05	20	4.1s,4.0b		
KRSC	VII	04 08 40 17.2–1.2	53.97N	168.50E	17–19	4.0L,4.0b		
NEIC	VII	04 08 40 18.2–.38	54.47N	168.84E	10	4.6b,4.0b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.4km s-min=20.8km az=170.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=3.6km az=9.5.							
KRSC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=7.0km az=174.0.							
KRSC	**VII**	**06 01 20 45.2–1.1**	**55.73N**	**164.94E**	**40–20**	**3.6L**		**¶604183842**
KRSC	Event type se.							
IDC	**VII**	**07 17 27 10.7–2.3**	**54.84N**	**164.27E**	**0**	**3.7,3.4**		**¶601663602**
IDC	Error ellipse: s-maj=133.4km s-min=32.6km az=152.0.							
KRSC	**VII**	**09 09 05 10.2–1.6**	**53.80N**	**168.15E**	**140–30**	**4.1L**		
MOS	VII	09 09 05 10.1–1.4	53.80N	168.15E	140	4.2b		**¶601261434**
KRSC	Event type se.							
MOS	Error ellipse: s-maj=20.5km s-min=10.0km az=21.0.							
ISC	**VII**	**10 00 45 18.6–.69**	**54.44N–.06**	**168.48E–.06**	**24**	**3.8b,3.0s**	**98**	**2-83**
ISCJB	VII	10 00 45 16.2–.48	54.43N–.06	168.56E–.06	24	3.7b,2.9s		**¶601456891**
IDC	VII	10 00 45 16.2–.73	54.93N	168.56E	0	4.1,3.8b		
KRSC	VII	10 00 45 18.8–1.6	54.46N	168.27E	77–25	4.2L,3.8b		
MOS	VII	10 00 45 19.5–.58	54.46N	168.35E	63	4.2b,3.8b		
NEIC	VII	10 00 45 21.4–.47	54.94N	168.52E	35	4.1b,3.8b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=171.9.							
IDC	Error ellipse: s-maj=29.2km s-min=13.4km az=167.0.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=10.3km s-min=6.4km az=19.3.							
NEIC	Event type se. Error ellipse: s-maj=19.8km s-min=7.3km az=164.0.							
ISC	**VII**	**10 03 29 06.4–.34**	**54.52N–.05**	**168.67E–.03**	**24**	**4.7b,4.0s**	**571**	**2-89**
IDC	VII	10 03 29 02.7–.55	54.67N	168.56E	0	4.5,4.4		**¶604183847**
BJI	VII	10 03 29 03.0	54.60N	168.50E	15	4.8b,4.8s		
ISCJB	VII	10 03 29 04.0–.14	54.52N–.03	168.59E–.02	24	4.6b,4.0s		
MOS	VII	10 03 29 05.8–.88	54.47N	168.49E	38	4.7b,4.0s		
KRSC	VII	10 03 29 06.0–1.5	54.55N	168.31E	79–25	4.8L,4.0s		
NEIC	VII	10 03 29 06.4–1.4	54.64N	168.49E	22–10	4.7b,4.0s		
GCMT	VII	10 03 29 06.4–.50	54.51N	168.54E	24–2	4.9W,4.0s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.8km s-min=10.8km az=161.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=1.8km az=177.0.							
MOS	Error ellipse: s-maj=5.7km s-min=4.5km az=35.9.							
KRSC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=5.7km s-min=2.4km az=174.0.							
GCMT	Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c17; s79,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.18 $M_{\theta\theta}$-2.34±.14; $M_{\phi\phi}$2.57±.14; $M_{r\theta}$0.33±.22; $M_{\theta\phi}$-0.56±.13; $M_{\phi r}$0.64±.17; Best double couple: NP1:ϕ_s38.00000°,δ89.00000° ,λ16.00000°. NP2:ϕ_s308.00000°,δ74.00000°,λ179.00000°. Principal axes: T 2.7550,Plg11.0000°,Azm264.0000°; N -0.2780,Plg74.0000°,Azm41.0000° ; P -2.4790,Plg10.0000°,Azm172.0000° $M_0$2.61700×10^{16}							
KRSC	**VII**	**21 22 43 11.2–1.6**	**54.84N**	**165.53E**	**37–13**	**3.8L**		**¶604183874**
KRSC	Event type se.							
KRSC	**VII**	**22 09 14 47.2–1.2**	**55.56N**	**165.70E**	**30–15**	**3.8L**		**¶604183876**
KRSC	Event type se.							
KRSC	**VII**	**26 21 30 52.2–1.4**	**54.15N**	**168.45E**	**15–28**	**3.7L**		**¶604183890**
KRSC	Event type se.							
KRSC	**VII**	**27 09 23 46.5–2.2**	**55.02N**	**165.17E**	**49–42**	**4.0L**		**¶604183892**
KRSC	Event type se.							
KRSC	**VII**	**30 16 46 46.9–1.9**	**55.23N**	**164.51E**	**61–28**	**4.0L**		
MOS	VII	30 16 46 46.9–2.3	55.23N	164.51E	61	4.2b		**¶601498028**
KRSC	Event type se.							
MOS	Error ellipse: s-maj=7.6km s-min=7.4km az=170.9.							
KRSC	**VII**	**30 17 03 22.1–1.4**	**55.16N**	**164.48E**	**47–30**	**3.6L**		**¶604183896**
KRSC	Event type se.							
ISC	**VIII**	**03 12 01 17.8–.85**	**53.27N–.07**	**169.20E–.07**	**35**	**3.5b**	**85**	**3-83**
IDC	VIII	03 12 01 13.1–.85	53.53N	169.41E	0	3.8,3.6		**¶601518135**
MOS	VIII	03 12 01 16.7–.66	53.30N	169.26E	50	4.3b,3.6		
ISCJB	VIII	03 12 01 17.6–.67	53.28N–.06	169.00E–.07	35	3.5b,3.6		
KRSC	VIII	03 12 01 18.7–1.6	53.34N	168.77E	54–37	4.2L,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.9km s-min=20.0km az=160.0.							
MOS	Error ellipse: s-maj=12.0km s-min=6.0km az=37.6.							
ISCJB	Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=166.0.							
KRSC	Event type se.							
ISC	**VIII**	**03 19 24 14.7–.60**	**55.74N–.04**	**165.44E–.05**	**19**	**3.7b**	**98**	**1-85**
MOS	VIII	03 19 24 12.1–.69	55.73N	165.65E	14	4.0b		**¶601518137**
ISCJB	VIII	03 19 24 13.9–.41	55.67N–.03	165.47E–.05	19	3.7b		
KRSC	VIII	03 19 24 14.4–.93	55.51N	165.21E	16–22	3.8L		
IDC	VIII	03 19 24 18.8–3.1	55.78N	165.41E	46–33	3.7,3.6		
ISC	Event type se.							
MOS	Error ellipse: s-maj=8.8km s-min=6.4km az=146.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=169.6.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=25.9km s-min=17.0km az=175.0.							
KRSC	**VIII**	**04 16 03 45.1–1.3**	**55.91N**	**164.46E**	**41–19**	**3.8L**		**¶604183900**
KRSC	Event type se.							
KRSC	**VIII**	**05 13 54 23.5–1.2**	**56.08N**	**164.88E**	**53–21**	**3.7L**		**¶604183901**
KRSC	Event type se.							
KRSC	**VIII**	**07 12 43 55.5–1.3**	**56.01N**	**164.85E**	**60–22**	**3.7L**		**¶604183905**
KRSC	Event type se.							
ISC	**VIII**	**07 23 14 17.2–3.1**	**55.64N–.04**	**164.11E–.05**	**17–20**	**3.8b**	**133**	**1-68**
IDC	VIII	07 23 14 15.5–1.1	56.13N	163.79E	0	3.7,3.5		**¶601531881**
KRSC	VIII	07 23 14 17.4–2.2	55.65N	164.16E	60–23	4.4L,3.5		
MOS	VIII	07 23 14 19.5–1.0	55.70N	164.10E	57	4.1b,3.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.9km s-min=16.7km az=163.0.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=8.2km s-min=5.7km az=60.7.							
ISC	**VIII**	**19 04 57 55.5–.51**	**54.84N–.05**	**167.98E–.04**	**28–3**	**4.3b,3.3s**	**271**	**1-145**
KRSC	VIII	19 04 57 52.8–2.3	54.87N	167.90E	64–22	4.5L,3.3s		**¶601565884**
ISCJB	VIII	19 04 57 53.1–.86	54.76N–.03	167.91E–.02	28–7	4.2b,3.3s		
MOS	VIII	19 04 57 54.7–1.0	54.85N	167.88E	41	4.4b,3.3s		
IDC	VIII	19 04 57 55.6–.51	54.89N	167.90E	29–3	4.0,4.0		
NEIC	VIII	19 04 57 55.5–.21	54.84N	167.96E	30	4.4b,4.0		
BJI	VIII	19 04 57 55.9	55.48N	167.76E	17	4.9b,4.7b		

ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=2.2km az=177.9.							
MOS	Error ellipse: s-maj=6.5km s-min=5.5km az=29.1.							
IDC	Error ellipse: s-maj=15.9km s-min=9.7km az=173.0.							
NEIC	Event type se. Error ellipse: s-maj=5.8km s-min=3.4km az=182.0.							
KRSC	**VIII**	**19 05 26 16.6–.95**	**54.74N**	**164.17E**	**53–22**	**3.5L**		**¶604183921**
KRSC	Event type se.							
ISC	**VIII**	**23 05 22 27.3–1.4**	**55.67N–.04**	**164.51E–.04**	**7–11**	**3.6b,3.2s**	**123**	**1-67**
KRSC	VIII	23 05 22 26.8–1.4	55.64N	164.61E	68–27	4.4L,3.2s		**¶601615814**
IDC	VIII	23 05 22 26.9–.93	55.73N	164.48E	0	3.9,3.6		
ISCJB	VIII	23 05 22 28.2–.67	55.59N–.03	164.48E–.04	21–6	3.6b,3.2s		
MOS	VIII	23 05 22 29.5–1.0	55.62N	164.52E	40	4.3b,3.2s		
ISC	Event type se.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=46.4km s-min=15.6km az=156.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.0km s-min=4.1km az=20.8.							
MOS	Error ellipse: s-maj=7.8km s-min=6.6km az=147.7.							
KRSC	**IX**	**01 11 53 19.4–1.2**	**55.39N**	**165.71E**	**18–10**	**3.5L**		**¶604183959**
KRSC	Event type se.							
KRSC	**IX**	**05 15 15 01.2–1.1**	**54.24N**	**164.19E**	**41–19**	**3.7L**		**¶604183971**
KRSC	Event type se.							
KRSC	**IX**	**06 10 50 03.2–1.5**	**54.80N**	**164.58E**	**49–25**	**3.8L**		**¶604183973**
KRSC	Event type se.							
KRSC	**IX**	**06 13 07 21.1–.96**	**55.44N**	**164.56E**	**50–20**	**3.6L**		**¶604183974**
KRSC	Event type se.							
IDC	**IX**	**07 20 50 42.2–1.2**	**53.74N**	**169.17E**	**0**	**3.8,3.5**		**¶601863129**
IDC	Error ellipse: s-maj=43.1km s-min=30.5km az=177.0.							
IDC	**IX**	**11 01 00 31.6–1.7**	**55.33N**	**165.60E**	**0**	**3.7,3.4b**		**¶601863324**
IDC	Error ellipse: s-maj=128.3km s-min=25.7km az=154.0.							
ISC	**IX**	**13 13 51 52.5–1.7**	**55.93N–.03**	**164.59E–.04**	**16–12**	**3.8b**	**163**	**1-67**
IDC	IX	13 13 51 51.0–1.3	56.00N	164.63E	0	4.1,3.8		**¶601714105**
KRSC	IX	13 13 51 52.1–1.6	55.90N	164.66E	69–22	4.5L,3.8		
MOS	IX	13 13 51 54.4–.93	55.93N	164.54E	56	4.0b,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=112.8km s-min=19.2km az=150.0.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=8.2km s-min=5.1km az=50.5.							
ISC	**IX**	**18 22 33 16.9–2.7**	**55.65N–.08**	**164.8E–.10**	**3–14**		**86**	**1-6**
MOS	IX	18 22 33 18.1–1.8	55.44N	164.80E	16	4.3b		**¶601725128**
KRSC	IX	18 22 33 18.2–2.2	55.44N	164.80E	16–37	4.1L		
ISC	Event type se.							
MOS	Error ellipse: s-maj=10.0km s-min=7.8km az=157.5.							
KRSC	Event type se.							
ISC	**IX**	**19 06 33 55.4–1.8**	**55.60N–.04**	**164.84E–.04**	**23–15**	**3.4b**	**119**	**1-52**
IDC	IX	19 06 33 52.7–1.6	55.83N	164.58E	0	3.7,3.4		**¶601731967**
MOS	IX	19 06 33 54.1–1.9	55.52N	164.80E	49	4.2b,3.4		
KRSC	IX	19 06 33 54.1–1.5	55.52N	164.80E	49–26	4.0L,3.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=57.4km s-min=21.3km az=158.0.							
MOS	Error ellipse: s-maj=9.1km s-min=6.7km az=150.5.							
KRSC	Event type se.							
KRSC	**IX**	**30 11 04 29.4–1.8**	**56.77N**	**164.17E**	**48–24**	**3.6L**		**¶604184021**
KRSC	Event type se.							
ISC	**IX**	**30 21 13 13.5–.69**	**55.57N–.05**	**166.22E–.06**	**20**	**3.6b**	**88**	**0-66**
KRSC	IX	30 21 13 10.9–1.1	55.51N	166.29E	37–9	4.1L		**¶601769298**
IDC	IX	30 21 13 11.1–1.1	55.72N	166.17E	0	4.0,3.7		
ISCJB	IX	30 21 13 12.1–.47	55.57N–.04	166.23E–.06	20	3.6b,3.7		
MOS	IX	30 21 13 13.5–1.1	55.52N	166.27E	39	4.1b,3.7		
ISC	Event type se.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=43.3km s-min=14.9km az=163.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=149.3.							
MOS	Error ellipse: s-maj=9.8km s-min=6.9km az=152.7.							
ISC	**IX**	**30 21 49 26.0–.33**	**56.48N–.04**	**164.17E–.03**	**27–2**	**4.5b**	**334**	**1-140**
KRSC	IX	30 21 49 22.0–1.0	56.52N	164.33E	50–17	4.9L		**¶601769299**
BJI	IX	30 21 49 23.5	56.25N	164.66E	28	4.9b,4.6s		
ISCJB	IX	30 21 49 23.5–.80	56.47N–.03	164.15E–.03	20–6	4.5b,4.1s		
MOS	IX	30 21 49 25.8–.85	56.48N	164.03E	44	4.7b,4.1s		
NEIC	IX	30 21 49 26.7–.41	56.56N	164.02E	31–3	4.5b,4.1s		
IDC	IX	30 21 49 26.7–.46	56.53N	163.96E	32–2	4.2,4.1		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.9km s-min=2.9km az=164.7.							
MOS	Error ellipse: s-maj=7.8km s-min=4.5km az=54.7.							
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=2.7km az=158.0.							
IDC	Error ellipse: s-maj=15.5km s-min=8.7km az=158.0.							
KRSC	**IX**	**30 22 26 44.7–1.6**	**56.37N**	**164.14E**	**46–18**	**4.0L**		**¶604184024**
KRSC	Event type se.							
ISC	**X**	**07 02 32 06.6–.49**	**54.22N–.05**	**167.41E–.05**	**35**	**4.3b**	**264**	**1-86**
IDC	X	07 02 32 01.9–.62	54.42N	167.48E	0	4.3,4.2		**¶601794206**
KRSC	X	07 02 32 03.9–1.9	54.18N	167.25E	43–34	5.0L,4.2		
BJI	X	07 02 32 04.0	54.60N	167.30E	22	5.0b,4.7b		
MOS	X	07 02 32 05.7–.88	54.31N	167.40E	42	4.5b,4.7b		
ISCJB	X	07 02 32 05.0–.23	54.23N–.03	167.35E–.03	35	4.3b,3.6s		
NEIC	X	07 02 32 06.2–1.4	54.50N	167.37E	25–10	4.4b,3.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.1km s-min=11.4km az=161.0.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=6.7km s-min=4.7km az=42.2.							
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=2.2km az=171.0.							
NEIC	Event type se. Error ellipse: s-maj=6.1km s-min=2.9km az=169.0.							
ISC	**X**	**25 12 21 33.9–1.1**	**55.36N–.05**	**166.38E–.07**	**20**	**3.5b**	**132**	**0-66**
KRSC	X	25 12 21 31.8–1.8	55.34N	166.29E	40–12	4.1L		**¶601848721**
IDC	X	25 12 21 31.3–2.0	55.09N	166.84E	0	3.8,3.6		
ISCJB	X	25 12 21 32.7–.60	55.31N–.03	166.27E–.06	20	3.4b,3.6		
MOS	X	25 12 21 34.2–.67	55.39N	166.28E	45	4.0b,3.6		
ISC	Event type se.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=88.7km s-min=23.3km az=167.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=4.5km az=145.6.							
MOS	Error ellipse: s-maj=9.4km s-min=6.3km az=161.8.							
KRSC	**X**	**29 13 48 47.3–.95**	**55.64N**	**164.31E**	**17–29**	**3.5L**		**¶604184074**
KRSC	Event type se.							
ISC	**X**	**30 19 24 30.3–1.4**	**56.20N–.03**	**164.51E–.03**	**0–9**	**3.7b,2.9s**	**145**	**1-69**
IDC	X	30 19 24 30.9–1.0	56.22N	164.38E	0	3.8,3.6		**¶601864853**
KRSC	X	30 19 24 31.6–1.5	56.17N	164.50E	60–25	4.3L,3.6		
ISCJB	X	30 19 24 32.0–.70	56.18N–.03	164.46E–.04	19–6	3.5b,3.1s		
MOS	X	30 19 24 34.1–1.3	56.17N	164.43E	53	3.9b,3.1s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.4km s-min=16.4km az=157.0.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=178.5.							
MOS	Error ellipse: s-maj=8.5km s-min=5.3km az=55.1.							
KRSC	**X**	**31 17 08 12.7–1.4**	**54.76N**	**164.50E**	**47–25**	**3.7L**		**¶604184085**
KRSC	Event type se.							
KRSC	**XI**	**03 23 12 52.9–1.2**	**55.98N**	**164.21E**	**16–30**	**3.8L**		**¶604184088**
KRSC	Event type se.							
KRSC	**XI**	**06 03 12 12.8–1.4**	**55.28N**	**166.36E**	**40–7**	**3.7L**		

¶604184094

KRSC Event type se.
KRSC XI 06 14 58 51.9–1.4 54.51N 164.10E 47–24 3.5L
¶604184095

KRSC Event type se.
ISC XI 14 13 03 10.0–1.2 55.54N–.04 165.01E–.04 32–10 4.3b 207 1-67
KRSC XI 14 13 03 06.8–1.7 55.52N 165.02E 72–20 4.5L ¶601901932
IDC XI 14 13 03 06.4–.91 55.76N 164.97E 0 4.2,4.0
MOS XI 14 13 03 08.8–.62 55.57N 165.00E 36 4.7b,4.0
ISCJB XI 14 13 03 09.1–.40 55.49N–.03 164.95E–.04 41–4 4.2b,3.6s
NEIC XI 14 13 03 10.1–1.7 55.67N 164.96E 28–13 4.5b,3.6s
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=13.5km az=167.0.
MOS Error ellipse: s-maj=6.4km s-min=5.4km az=47.5.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=167.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=168.0.
ISC XI 22 05 21 48.9–.54 53.89N–.04 168.28E–.03 31–3 5.2b,4.2s 1234 4-152
IDC XI 22 05 21 44.3–.39 54.09N 168.40E 0 5.0,4.9 ¶601993616
ISCJB XI 22 05 21 45.4–.62 53.98N–.02 168.40E–.02 19–4 5.1b,4.2s
BJI XI 22 05 21 47.2 54.45N 168.11E 25 5.1b,5.0b
NEIC XI 22 05 21 47.9–.12 54.10N 168.32E 20 5.3b,5.0b
MOS XI 22 05 21 47.6–1.0 53.92N 168.33E 75 5.2b,4.1s
KRSC XI 22 05 21 49.8–1.7 53.91N 167.92E 83–31 5.4L,4.1s
GCMT XI 22 05 21 50.9–.40 54.04N–.02 168.43E–.03 28–2 4.9W,4.1s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s68,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.32±.19 $M_{\theta\theta}$-2.57±.14; $M_{\phi\phi}$1.25±.10; $M_{r\theta}$-0.02±.20; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$1.93±.27; Best double couple: NP1:ϕ_s306.00000°,δ60.00000°,λ144.00000°. NP2:ϕ_s56.00000°,δ59.00000°,λ35.00000°. Principal axes: T 3.2150,Plg46.0000° ,Azm270.0000°; N -0.6450,Plg44.0000°,Azm92.0000°; P -2.5710,Plg1.0000°,Azm1.0000° $M_0$2.89300×10^{16}
KRSC XI 26 22 31 20.1–1.3 55.11N 164.09E 43–25 3.5L
¶604184134

KRSC Event type se.
ISC XII 07 13 57 18.5–3.4 54.90N–.05 166.2E–.20 26 80 2-6
MOS XII 07 13 57 22.7–2.6 54.81N 165.61E 41 4.3b ¶602031772
KRSC XII 07 13 57 22.8–1.7 54.82N 165.61E 40–26 4.2L
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=8.7km az=159.4.
KRSC Event type se.
ISC XII 11 11 29 38.1–.86 55.02N–.06 165.76E–.07 10 4.2b 88 0-83
KRSC XII 11 11 29 33.6–1.2 54.96N 166.01E 26–9 4.0L ¶602036633
ISCJB XII 11 11 29 38.4–.24 55.04N–.04 165.45E–.04 10 4.1b,3.1s
IDC XII 11 11 29 38.4–.70 55.09N 165.50E 0 4.0,3.8
MOS XII 11 11 29 39.3–.67 55.02N 165.85E 28 4.3b,3.8
NEIC XII 11 11 29 43.9–.28 55.16N 165.40E 35 4.3b,3.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.7km az=161.4.
IDC Error ellipse: s-maj=24.6km s-min=13.2km az=161.0.
MOS Error ellipse: s-maj=8.8km s-min=6.5km az=151.4.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=3.4km az=164.0.
ISC XII 12 00 06 14.9–.80 55.03N–.05 165.43E–.07 20 3.4b 99 2-83
IDC XII 12 00 06 12.1–.85 55.06N 165.50E 0 3.7,3.5 ¶602043128
ISCJB XII 12 00 06 14.6–.60 54.97N–.04 165.31E–.07 20 3.4b,3.5
MOS XII 12 00 06 15.5–.72 54.98N 165.44E 37 4.0b,3.5
KRSC XII 12 00 06 15.6–1.9 54.96N 165.15E 49–24 4.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=17.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=42.6.
MOS Error ellipse: s-maj=8.3km s-min=6.4km az=1.3.
KRSC Event type se.
ISC XII 21 02 26 41.7–1.1 54.7N–.30 168.8E–.10 20 3.6b 7 7-84
IDC XII 21 02 26 38.6–1.2 54.67N 168.90E 0 3.8,3.5 ¶602391770
ISCJB XII 21 02 26 39.9–.98 54.7N–.20 168.8E–.20 20 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
KRSC XII 22 12 23 29.4–1.7 54.73N 164.09E 60–26 3.6L
¶604184170

KRSC Event type se.
KRSC XII 22 22 28 39.3–1.9 54.30N 164.23E 41–25 3.6L
¶604184171

KRSC Event type se.
KRSC XII 23 23 14 51.2–.82 54.31N 164.37E 48–23 3.9L
¶604184173

KRSC Event type se.
IDC XII 24 00 02 33.7–2.4 54.48N 168.84E 0 3.5,3.3
¶602391957

IDC Error ellipse: s-maj=87.9km s-min=21.0km az=170.0.
KRSC XII 25 15 42 59.3–1.3 54.39N 164.53E 47–23 3.8L
¶604184181

KRSC Event type se.
ISC XII 27 20 53 56.9–3.7 55.90N–.06 164.43E–.06 4–24 3.5b 38 1-80
ISCJB XII 27 20 53 57.1–1.8 56.06N–.06 164.65E–.07 13–12 3.6b ¶602060884
KRSC XII 27 20 53 59.5–1.4 55.80N 164.26E 15–12 3.8L
IDC XII 27 20 54 04.2–2.9 56.07N 164.65E 59–29 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=179.4.
KRSC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=13.0km az=144.0.
ISC XII 28 13 42 34.5–.72 55.63N–.04 164.82E–.03 35–2 5.5b,4.5s 1280 1-152
IDC XII 28 13 42 29.2–.47 55.67N 164.80E 0 5.0,5.0L ¶602060895
KRSC XII 28 13 42 32.9–2.2 55.62N 164.66E 83–20 5.9L,5.0L
ISCJB XII 28 13 42 33.4–.29 55.68N–.02 164.81E–.02 41–2 5.3b,4.5s
GCMT XII 28 13 42 33.8–.20 55.72N–.01 164.79E–.02 29–1 5.1W,4.5s
MOS XII 28 13 42 33.7–.88 55.60N 164.78E 45 5.4b,4.3s
NEIC XII 28 13 42 34.8–.12 55.71N 164.72E 35 5.5b,4.3s
BJI XII 28 13 42 35.2 56.15N 164.08E 27 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=9.1km az=164.0.
KRSC Event type se. FELT [IV] at Nikolskoe; [III] at GMS Kronoki; [II-III] at Krutoberegovo, Ust-Kamchatsk.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.0km az=169.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c69; s105,c162;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.17 $M_{\theta\theta}$-4.56±.13; $M_{\phi\phi}$2.58±.11; $M_{r\theta}$0.66±.21; $M_{\theta\phi}$-2.90±.11; $M_{\phi r}$-1.64±.19; Best double couple: NP1:ϕ_s111.00000°,δ68.00000°,λ155.00000°. NP2:ϕ_s210.00000°,δ67.00000°,λ24.00000°. Principal axes: T 4.7400,Plg33.0000° ,Azm70.0000°; N 0.8500,Plg57.0000°,Azm251.0000°; P -5.5900,Plg1.0000°,Azm161.0000° $M_0$5.16500×10^{16}
MOS Error ellipse: s-maj=4.8km s-min=3.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.2km az=169.0.
ISC XII 29 05 32 34.2–3.9 53.69N–.10 167.5E–.20 35 60 4-40
IDC XII 29 05 32 21.2–6.6 53.61N 168.76E 0 3.5,3.3 ¶602068301
MOS XII 29 05 32 28.4–2.5 53.66N 167.26E 6 3.9b,3.3
KRSC XII 29 05 32 28.4–1.7 53.66N 167.26E 6–30 4.2L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=228.5km s-min=32.8km az=163.0.
MOS Error ellipse: s-maj=21.6km s-min=9.7km az=2.8.
KRSC Event type se.
KRSC XII 29 14 31 44.5–1.6 55.51N 165.66E 13–25 3.7L
¶604184185

KRSC Event type se.
KRSC XII 30 21 53 14.1–1.1 53.75N 168.29E 82–31 3.8L
¶604184189

KRSC Event type se.

(5) Near Islands.

ISC VII 06 02 48 49.7–1.1 52.0N–.20 174.85E–.07 39 3.9b 23 1-83
IDC VII 06 02 48 45.1–4.6 52.20N 174.89E 0 4.6L,3.9 ¶601519812
ISCJB VII 06 02 48 46.7–.84 51.8N–.10 174.73E–.08 39 3.8b,3.9
NEIC VII 06 02 48 46.8–.00 52.02N 174.74E 95 3.6L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=117.5km s-min=22.2km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=20.1.
NEIC Event type se. After AEIC.
KRSC VII 14 13 52 00.1–1.1 52.16N 170.24E 101–44 3.8L
¶604183860

KRSC Event type se.
ISC VII 17 08 03 24.0–2.4 52.1N–.40 175.0E–.20 39 3.8b 8 19-65
IDC VII 17 08 03 18.2–2.5 52.03N 174.89E 0 4.2L,3.9 ¶601664712
ISCJB VII 17 08 03 21.4–2.1 52.0N–.40 174.9E–.20 39 3.9b,2.3s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 23 06 54 35.0–.65 52.05N–.05 173.22E–.03 20–3 5.1b,4.7s 1566 1-161
GCMT VII 23 06 54 31.1–.20 52.23N 173.15E 14–0 5.2W,4.7s ¶601457932
NEIC VII 23 06 54 31.1–.00 52.02N 172.87E 25 5.0b,4.5L
IDC VII 23 06 54 32.1–.42 52.19N 173.37E 0 5.7L,4.9
ISCJB VII 23 06 54 34.1–.55 52.13N–.03 173.38E–.02 27–3 5.0b,4.6s
MOS VII 23 06 54 35.0–.91 52.13N 173.29E 34 5.2b,4.7s
BJI VII 23 06 54 36.8 52.52N 173.00E 35 5.3b,5.1b
KRSC VII 23 06 54 37.7–2.6 52.12N 172.66E 48–24 5.2L,5.1b
ISC Event type se.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s69,c99; s102,c162; Duration: 1ŝ0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.24±.17 $M_{\theta\theta}$-5.50±.14; $M_{\phi\phi}$1.25±.12; $M_{r\theta}$4.41±.41; $M_{\theta\phi}$1.15±.10; $M_{\phi r}$3.15±.38; Best double couple: NP1:ϕ_s69.00000°,δ71.00000° ,λ63.00000°. NP2:ϕ_s306.00000°,δ33.00000°,λ142.00000°. Principal axes: T 7.6870,Plg56.0000°,Azm304.0000°; N -0.4960,Plg25.0000°,Azm79.0000° ; P -7.2000,Plg21.0000°,Azm180.0000° $M_0$7.44400×10^{16}
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=12.7km s-min=8.4km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=1.7km az=1.9.
MOS Error ellipse: s-maj=5.4km s-min=3.9km az=133.7.
KRSC Event type se.
ISC VIII 14 15 17 39.9–.38 52.43N–.06 172.37E–.03 24 4.6b,3.9s 400 1-88
ISCJB VIII 14 15 17 38.4–.18 52.60N–.04 172.49E–.02 24 4.5b,3.9s ¶601561361
MOS VIII 14 15 17 39.9–1.1 52.46N 172.43E 39 4.7b,3.9s
KRSC VIII 14 15 17 41.0–1.8 52.31N 172.17E 104–42 4.9L,3.9s
NEIC VIII 14 15 17 42.2–.35 52.58N 172.43E 40–4 4.5b,4.2L
BJI VIII 14 15 17 42.6 53.04N 171.81E 25 4.8b,4.7b
IDC VIII 14 15 17 42.6–2.9 52.57N 172.40E 43–27 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=1.8km az=5.4.
MOS Error ellipse: s-maj=7.3km s-min=4.0km az=133.7.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.0km az=180.0.
IDC Error ellipse: s-maj=15.7km s-min=9.3km az=163.0.
ISC VIII 14 15 22 50.5–.58 52.47N–.08 172.28E–.05 28 4.1b 142 5-146
ISCJB VIII 14 15 22 48.7–.44 52.52N–.07 172.39E–.05 28 4.2b ¶601561874
MOS VIII 14 15 22 50.2–.97 52.53N 172.36E 40 4.4b
KRSC VIII 14 15 22 50.8–1.8 52.37N 172.29E 174–59 4.6L
IDC VIII 14 15 22 53.4–2.7 52.68N 172.41E 46–25 4.1,4.0
NEIC VIII 14 15 22 54.0–1.2 52.68N 172.43E 53–10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.4km az=175.9.
MOS Error ellipse: s-maj=10.0km s-min=4.9km az=38.4.
KRSC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=10.0km az=162.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.3km az=161.0.
IDC IX 06 18 29 33.9–2.4 53.12N 171.16E 0 3.6,3.3
¶601863063

IDC Error ellipse: s-maj=91.6km s-min=33.0km az=172.0.
ISC IX 09 19 23 51.1–.32 52.75N–.04 174.92E–.03 119–2 5.2b 1708 1-161
KRSC IX 09 19 23 48.1–2.1 52.70N 174.91E 98–34 6.0L ¶601697111
ISCJB IX 09 19 23 50.0–.21 52.74N–.02 175.09E–.02 124–1 5.2b
MOS IX 09 19 23 50.6–.88 52.83N 175.00E 125 5.3b
IDC IX 09 19 23 51.2–.89 52.78N 175.04E 118–7 5.3,5.0
NEIC IX 09 19 23 51.0–.25 52.78N 175.01E 116–2 5.5W,5.3b
BJI IX 09 19 23 51.2 53.09N 174.56E 123 5.2b,5.1b
GCMT IX 09 19 23 53.0–.10 52.84N–.01 174.99E–.02 123–1 5.5W,5.1b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$1.08 $M_{r\theta}$-1.78 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.67 Best double couple: NP1:ϕ_s158.00000° ,δ27.00000°,λ-169.00000°. NP2:ϕ_s58.00000°,δ85.00000°,λ-63.00000°. Principal axes: T 1.8700,Plg34.0000°,Azm126.0000°; N 0.4700,Plg27.0000°,Azm236.0000° ; P -2.3400,Plg44.0000°,Azm354.0000° $M_0$2.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c198; s140,c272;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83±.04 $M_{\theta\theta}$-0.62±.05; $M_{\phi\phi}$1.45±.04; $M_{r\theta}$2.17±.03; $M_{\theta\phi}$0.48±.04; $M_{\phi r}$-0.40±.03; Best double couple: NP1:ϕ_s60.00000°,δ80.00000°,λ-60.00000°. NP2:ϕ_s166.00000°,δ32.00000°,λ-161.00000°. Principal axes: T 2.0690,Plg29.0000° ,Azm126.0000°; N 0.8280,Plg30.0000°,Azm234.0000°; P -2.8990,Plg46.0000°,Azm1.0000° $M_0$2.48400×10^{17}
ISC IX 10 14 30 26.6–.98 53.21N–.08 170.38E–.06 100 3.5b 71 3-65
IDC IX 10 14 30 17.4–2.2 53.25N 171.05E 0 3.8,3.5 ¶601704935
MOS IX 10 14 30 24.5–1.8 53.28N 170.38E 137 4.0b,3.5
KRSC IX 10 14 30 24.5–1.5 53.28N 170.38E 137–43 4.1L,3.5
ISCJB IX 10 14 30 25.9–.71 53.24N–.07 170.24E–.06 100 3.4b,3.5
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC X 02 04 21 00.1–.51 52.48N–.10 173.37E–.04 33 4.1b,3.4s 95 3-146
IDC X 02 04 20 55.0–.60 52.42N 173.35E 0 4.3,4.1 ¶601777951
ISCJB X 02 04 20 58.6–.35 52.46N–.06 173.27E–.05 33 4.1b,3.5s
NEIC X 02 04 20 59.8–.00 52.36N 173.22E 77 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=12.9km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.2km az=2.3.
NEIC Event type se. After AEIC.
ISC X 12 17 21 13.4–.88 51.6N–.20 173.27E–.09 35 3.7b 18 10-83
IDC X 12 17 21 08.0–.91 51.45N 173.19E 0 4.0,3.8 ¶601998026
ISCJB X 12 17 21 11.4–.75 51.5N–.20 173.2E–.10 33 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
KRSC X 29 21 03 06.3–1.8 53.00N 170.00E 22–33 4.2L
MOS X 29 21 03 06.3–2.6 53.00N 170.00E 23 4.3b ¶601860651
KRSC Event type se.
MOS Error ellipse: s-maj=31.5km s-min=10.4km az=24.8.
ISC XI 15 11 22 22.7–.31 52.36N–.03 173.39E–.02 33–1 5.7b,5.0s 1933 1-161
BJI XI 15 11 22 20.6 52.62N 173.33E 31 5.7b,5.6b ¶601903594
ISCJB XI 15 11 22 21.5–.26 52.43N–.02 173.43E–.01 36–2 5.6b,5.0s
KRSC XI 15 11 22 21.1–3.4 52.18N 173.22E 60–50 5.7L,5.0s
NEIC XI 15 11 22 22.3–.06 52.50N 173.35E 28 5.7L,5.6b
MOS XI 15 11 22 22.0–.88 52.41N 173.38E 43 5.8b,4.8s
AEIC XI 15 11 22 23.3–.00 52.46N 173.36E 25 5.8b,4.8s
IDC XI 15 11 22 23.2–1.1 52.48N 173.41E 33–7 5.5,5.4
GCMT XI 15 11 22 25.3–.20 52.41N–.01 173.40E–.01 38–0 5.6W,5.4
ISC Event type se.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type fe. Felt on Shemya. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17} Nm; M_{rr}1.73 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$0.23 $M_{r\theta}$0.98 $M_{\theta\phi}$-0.31 $M_{\phi r}$1.05 Best double couple: NP1: ϕ_s283.00000°,δ33.00000°,λ128.00000°. NP2:ϕ_s60.00000°,δ64.00000°,λ68.00000°. Principal axes: T 2.3900,Plg64.0000°,Azm293.0000°; N -0.0600,Plg20.0000°,Azm70.0000° ; P -2.3400,Plg16.0000°,Azm166.0000° $M_0$2.40000×10^{17}

AEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c128; s129,c273;Duration: 1$s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94±.07 $M_{\theta\theta}$-2.46±.05; $M_{\phi\phi}$0.52±.04; $M_{r\theta}$1.69±.06; $M_{\theta\phi}$-0.18±.03; $M_{\theta r}$1.41±.05; Best double couple: NP1:ϕ_s62.00000°,δ69.00000°,λ67.00000°. NP2:ϕ_s291.00000°,δ31.00000°,λ136.00000°. Principal axes: T 3.1510,Plg59.0000° ,Azm299.0000°; N 0.0060,Plg21.0000°,Azm70.0000°; P -3.1500,Plg21.0000°,Azm169.0000° M_o3.15000×10^{17}

ISC	**XI**	**29 23 22 35.4–.47**	**52.57N–.05**	**172.37E–.03**	**31–2**	**5.0b,4.5s**	**1083**	**1-162**
IDC	XI	29 23 22 30.8–.46	52.65N	172.52E	0	4.9,4.9		**¶601995317**
ISCJB	XI	29 23 22 33.6–.59	52.60N–.03	172.44E–.02	32–4	5.0b,4.4s		
BJI	XI	29 23 22 33.3	53.06N	172.45E	31	5.3b,5.2b		
KRSC	XI	29 23 22 33.6–2.7	52.45N	172.25E	81–36	5.6L,5.2b		
MOS	XI	29 23 22 34.1–.91	52.58N	172.37E	34	5.2b,4.5s		
AEIC	XI	29 23 22 35.2–.00	53.18N	172.76E	10	5.2b,4.5s		
NEIC	XI	29 23 22 36.5–.30	52.64N	172.42E	37–2	5.0b,4.5L		
GCMT	XI	29 23 22 37.5–.20	52.68N–.02	172.50E–.02	36–1	5.1W,4.5L		

ISC Event type fe.
ISCJB Event type fe.
KRSC Event type se.
AEIC Event type se.
NEIC Event type fe. Felt on Shemya.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c80; s101,c157;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.17±.15 $M_{\theta\theta}$-3.77±.12; $M_{\phi\phi}$1.60±.11; $M_{r\theta}$3.76±.22; $M_{\theta\phi}$-0.46±.08; $M_{\theta r}$3.45±.20; Best double couple: NP1:ϕ_s53.00000°,δ78.00000°,λ66.00000°. NP2:ϕ_s299.00000°,δ27.00000°,λ153.00000°. Principal axes: T 6.0390,Plg51.0000° ,Azm295.0000°; N 0.0840,Plg24.0000°,Azm58.0000°; P -6.1240,Plg29.0000°,Azm162.0000° M_o6.08100×10^{16}

ISC	**XII**	**06 05 39 22.1–.47**	**52.36N–.07**	**173.23E–.04**	**31**	**4.5b**	**246**	**1-146**
ISCJB	XII	06 05 39 20.5–.27	52.35N–.05	173.26E–.03	31	4.3b,3.7s		**¶601996112**
MOS	XII	06 05 39 21.2–.87	52.36N	173.26E	38	4.6b,3.7s		
NEIC	XII	06 05 39 22.7–.00	52.40N	173.47E	20	4.6b,4.1L		
KRSC	XII	06 05 39 22.9–1.2	52.28N	173.01E	103–57	4.7L,4.1L		
IDC	XII	06 05 39 24.1–3.2	52.50N	173.36E	45–31	4.2,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=2.7km az=179.5.
MOS Error ellipse: s-maj=7.9km s-min=4.9km az=134.7.
NEIC Event type se. After AEIC.
KRSC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=10.3km az=168.0.

ISC	**XII**	**13 06 00 38.6–2.2**	**53.0N–.50**	**171.28E–.10**	**27**	**3.4b**	**9**	**8-65**
IDC	XII	13 06 00 34.6–2.1	52.94N	171.42E	0	3.7,3.5		**¶602391234**
ISCJB	XII	13 06 00 35.9–2.0	52.8N–.40	171.3E–.20	27	3.3b,3.5		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**15 04 49 31.5–.19**	**52.24N–.03**	**174.07E–.03**	**39–2**	**5.8b,5.7s**	**2396**	**0-164**
MOS	XII	15 04 49 27.3–.79	52.29N	174.07E	22	6.0b,5.7s		**¶602043659**
AEIC	XII	15 04 49 28.4–.00	52.20N	173.69E	45	6.0b,5.7s		
BJI	XII	15 04 49 28.6	52.34N	173.91E	30	6.2b,5.9b		
ISCJB	XII	15 04 49 29.6–.35	52.20N–.02	174.17E–.02	38–3	5.7b,5.7s		
IDC	XII	15 04 49 29.5–1.3	52.31N	174.09E	24–7	5.7,5.6		
NEIC	XII	15 04 49 29.6–.07	52.29N	174.01E	26	6.0W,5.9W		
NEIC	XII	15 04 49 30.0–.00	52.24N	173.96E	35	6.0W,5.9W		
GCMT	XII	15 04 49 33.6–.10	52.31N–.01	173.96E–.01	33–0	6.0W,5.9W		

ISC Event type fe.
AEIC Event type se.
ISCJB Event type fe.
NEIC Event type fe. Felt on Adak and Shemya. Apparent Stress 0.23 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s123 Moment tensor: Scale 10^{17}Nm; M_{rr}5.50 $M_{\theta\theta}$-5.91 $M_{\phi\phi}$0.42 $M_{r\theta}$4.56 $M_{\theta\phi}$-1.36 $M_{\theta r}$3.61 Best double couple: NP1:ϕ_s277.00000°,δ27.00000°,λ124.00000°. NP2: ϕ_s60.00000°,δ68.00000°,λ74.00000°. Principal axes: T 8.2700,Plg63.0000°,Azm304.0000° ; N 0.0000,Plg15.0000°,Azm66.0000°; P -8.2700,Plg22.0000°,Azm162.0000° M_o8.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s60.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm330.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm150.0000°
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ75.00000° ,λ73.00000°. NP2:ϕ_s287.00000°,δ22.00000°,λ137.00000°. Principal axes: T 1.2200,Plg56.0000°,Azm305.0000°; N -0.0300,Plg16.0000°,Azm61.0000° ; P -1.1900,Plg28.0000°,Azm160.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c309; s143,c428; Duration: 2$s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.71±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$0.20±.01; $M_{r\theta}$0.79±.01; $M_{\theta\phi}$-0.13±.01; $M_{\theta r}$0.68±.01; Best double couple: NP1:ϕ_s57.00000°,δ73.00000° ,λ69.00000°. NP2:ϕ_s289.00000°,δ27.00000°,λ139.00000°. Principal axes: T 1.3450,Plg57.0000°,Azm300.0000°; N -0.0050,Plg20.0000°,Azm64.0000° ; P -1.3400,Plg25.0000°,Azm163.0000° M_o1.34200×10^{18}

ISC	**XII**	**15 07 33 24.1–.61**	**52.23N–.08**	**173.89E–.05**	**37**	**4.0b**	**69**	**1-82**
IDC	XII	15 07 33 19.1–2.2	52.37N	174.01E	0	4.1,4.0		**¶602355616**
ISCJB	XII	15 07 33 21.9–.42	52.18N–.07	173.80E–.05	37	4.0b,4.0		
AEIC	XII	15 07 33 24.2–.00	52.25N	174.02E	33	4.0b,4.0		
NEIC	XII	15 07 33 24.4–.39	52.31N	173.95E	35	3.9b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=56.0km s-min=19.3km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.1km az=1.5.
AEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=3.9km az=1.0.

IDC	**XII**	**15 11 25 29.9–2.5**	**52.70N**	**171.53E**	**0**	**3.7,3.4**		**¶602391382**

IDC Error ellipse: s-maj=81.7km s-min=34.1km az=173.0.

ISC	**XII**	**19 11 14 53.0–.73**	**51.98N–.08**	**173.67E–.05**	**28–4**	**4.6b**	**242**	**1-144**
AEIC	XII	19 11 14 47.7	51.79N	173.23E	25	4.6b		**¶602052899**
NEIC	XII	19 11 14 47.7–.00	51.79N	173.23E	25	4.6b		
BJI	XII	19 11 14 49.0	51.80N	173.60E	15	5.0b,4.5b		
ISCJB	XII	19 11 14 51.4–.80	51.81N–.06	173.69E–.05	43–6	4.8s,4.5b		
IDC	XII	19 11 14 52.6–.82	51.93N	173.72E	30–3	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Felt on Adak. After AEIC.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.2km az=3.3.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=170.0.

IDC	**XII**	**20 07 10 24.2–2.8**	**52.08N**	**171.53E**	**0**	**3.7,3.4**		**¶602391712**

IDC Error ellipse: s-maj=77.2km s-min=27.2km az=3.0.

ISC	**XII**	**20 09 03 18.3–.47**	**53.07N–.08**	**170.88E–.04**	**24**	**4.5b,3.9s**	**247**	**2-145**
BJI	XII	20 09 03 14.5	53.27N	171.26E	20	5.1b,4.7b		**¶602052571**
ISCJB	XII	20 09 03 16.7–.28	53.00N–.05	170.98E–.03	24	4.4b,3.8s		
MOS	XII	20 09 03 17.7–1.1	53.01N	170.96E	30	4.7b,3.8s		
IDC	XII	20 09 03 19.0–4.1	53.09N	171.06E	27–27	4.3,4.3		
NEIC	XII	20 09 03 18.5–1.4	53.11N	171.02E	23–10	4.4b,4.3		
KRSC	XII	20 09 03 21.5–1.9	53.00N	170.34E	60–23	4.6L,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=2.8km az=173.0.
MOS Error ellipse: s-maj=7.8km s-min=6.1km az=129.4.
IDC Error ellipse: s-maj=18.1km s-min=10.9km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=2.9km az=172.0.
KRSC Event type se.

ISC	**XII**	**26 04 52 25.5–1.2**	**51.1N–.10**	**173.87E–.07**	**35**	**3.6b**	**16**	**2-74**
IDC	XII	26 04 52 20.8–4.0	51.09N	173.72E	0	3.8,3.7		**¶602380620**
ISCJB	XII	26 04 52 23.3–.93	51.03N–.09	173.79E–.09	33	3.5b,3.7		
NEIC	XII	26 04 52 29.4–.00	51.36N	174.34E	42	3.4L,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=114.4km s-min=22.4km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.2km az=9.2.
NEIC Event type se. After AEIC.

ISC	**XII**	**28 10 01 15.1–2.6**	**52.2N–.10**	**172.44E–.06**	**6–14**	**4.2b**	**110**	**1-83**
IDC	XII	28 10 01 14.2–.75	52.16N	172.57E	0	4.3s,4.2		**¶602090261**
NEIC	XII	28 10 01 17.2–1.8	52.19N	172.54E	18–10	4.3b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=14.2km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=171.0.

ISC	**XII**	**31 15 11 57.5–.48**	**52.89N–.08**	**171.29E–.05**	**27**	**4.3b**	**163**	**2-145**
IDC	XII	31 15 11 53.1–.65	52.92N	171.52E	0	4.2,4.1		**¶602068849**
ISCJB	XII	31 15 11 55.4–.35	52.81N–.06	171.44E–.04	27	4.3b,3.3s		
MOS	XII	31 15 11 57.2–1.0	52.82N	171.38E	40	4.6b,3.3s		
NEIC	XII	31 15 11 59.4–.77	52.86N	171.49E	48–7	4.5b,3.3s		
KRSC	XII	31 15 12 03.3–1.8	53.05N	170.71E	126–51	4.8L,3.3s		

ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=11.0km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=3.7km az=176.7.
MOS Error ellipse: s-maj=8.8km s-min=5.8km az=128.8.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.1km az=178.0.
KRSC Event type se.

(6) Rat Islands.

ISC	**VII**	**03 00 23 26.0–.71**	**51.9N–.10**	**179.42E–.04**	**146–6**	**4.1b**	**84**	**0-68**
IDC	VII	03 00 23 22.6–7.8	52.08N	179.35E	104–71	4.5L,4.2s		**¶601258030**
ISCJB	VII	03 00 23 24.9–.40	51.90N–.08	179.37E–.05	145–3	4.0b,4.2s		
NEIC	VII	03 00 23 26.7–.00	51.94N	179.43E	146	4.2b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=17.1km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.2km az=4.3.
NEIC Event type se. After AEIC.

ISC	**VII**	**04 00 29 45.8–.61**	**51.9N–.10**	**176.48E–.04**	**40**	**4.1b**	**88**	**1-84**
IDC	VII	04 00 29 40.1–.94	52.10N	176.62E	0	4.5L,4.2		**¶601258037**
ISCJB	VII	04 00 29 44.1–.39	51.95N–.08	176.39E–.04	40	4.1b,4.0s		
NEIC	VII	04 00 29 44.2–.00	51.53N	176.45E	38	4.1b,3.5L		

ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=14.3km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.2km az=7.7.
NEIC Event type se. After AEIC.

ISC	**VII**	**08 17 02 18.5–1.1**	**51.9N–.20**	**176.39E–.06**	**40**	**3.6b**	**19**	**1-74**
ISCJB	VII	08 17 02 16.4–.94	51.8N–.20	176.32E–.09	40	3.5b		**¶601556027**
NEIC	VII	08 17 02 16.6–.00	51.89N	176.33E	67	3.4L		
IDC	VII	08 17 02 18.7–5.0	51.65N	176.48E	54–41	3.6L,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=5.0km az=14.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=64.9km s-min=21.2km az=2.0.

ISC	**VIII**	**15 20 41 34.1–.88**	**51.20N–.06**	**179.28E–.03**	**32–5**	**4.6b,4.2s**	**269**	**0-150**
BJI	VIII	15 20 41 29.7	51.62N	178.98E	8	5.0b,4.8b		**¶601564019**
MOS	VIII	15 20 41 33.0–1.1	51.36N	179.22E	33	4.8b,4.2s		
GCMT	VIII	15 20 41 33.1–.40	50.88N–.03	179.17E–.03	30–1	5.0W,4.2s		
NEIC	VIII	15 20 41 33.1–.00	51.09N	179.18E	20	4.7b,4.5L		
ISCJB	VIII	15 20 41 34.6–.43	51.25N–.05	179.22E–.03	49–3	4.6b,4.2s		
IDC	VIII	15 20 41 34.1–2.2	51.30N	179.20E	31–15	4.4,4.4		

ISC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=6.4km az=116.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s72,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.40±.21 $M_{\theta\theta}$-3.11±.14; $M_{\phi\phi}$0.70±.13; $M_{r\theta}$3.39±.29; $M_{\theta\phi}$0.50±.08; $M_{\theta r}$0.24±.22; Best double couple: NP1:ϕ_s87.00000°,δ71.00000°,λ81.00000°. NP2:ϕ_s292.00000°,δ21.00000°,λ113.00000°. Principal axes: T 4.0690,Plg63.0000° ,Azm344.0000°; N 0.6700,Plg8.0000°,Azm90.0000°; P -4.7460,Plg25.0000°,Azm184.0000° M_o4.40700×10^{16}
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.3km az=179.7.
IDC Error ellipse: s-maj=13.4km s-min=9.4km az=161.0.

ISC	**VIII**	**15 21 20 18.1–.88**	**51.14N–.07**	**179.30E–.06**	**10**	**3.8b**	**32**	**0-85**
NEIC	VIII	15 21 20 15.2–.00	51.04N	179.18E	18	3.1L		**¶601710304**
ISCJB	VIII	15 21 20 16.1–.62	51.08N–.05	179.40E–.06	10	3.6b		
IDC	VIII	15 21 20 17.2–1.1	50.95N	179.20E	0	3.7,3.6		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=28.0.
IDC Error ellipse: s-maj=28.9km s-min=24.0km az=158.0.

ISC	**VIII**	**15 22 15 52.4–2.2**	**51.01N–.09**	**179.12E–.05**	**2–12**	**4.0b**	**38**	**0-67**
IDC	VIII	15 22 15 51.9–11	51.06N	179.39E	0	4.0L,3.8		**¶601710309**
NEIC	VIII	15 22 15 56.2–.00	51.02N	179.16E	18	3.4L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=284.7km s-min=29.3km az=167.0.
NEIC Event type se. After AEIC.

ISC	**VIII**	**15 22 19 12.2–1.3**	**51.13N–.09**	**179.21E–.04**	**32–7**	**4.0b,2.8s**	**72**	**0-150**
IDC	VIII	15 22 19 06.9–.73	51.08N	179.26E	0	4.3L,4.2		**¶601710310**
NEIC	VIII	15 22 19 11.1–.00	51.04N	179.16E	18	3.8L,4.2		
ISCJB	VIII	15 22 19 12.1–.81	51.11N–.08	179.19E–.05	45–5	4.0b,3.0s		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**VIII**	**16 18 31 33.2–1.5**	**51.1N–.10**	**179.15E–.07**	**45**	**3.7b**	**26**	**0-60**
ISCJB	VIII	16 18 31 30.9–1.0	51.04N–.09	179.11E–.08	45	3.5b		**¶601736119**
NEIC	VIII	16 18 31 30.9–.00	51.05N	179.17E	20	3.0L		
IDC	VIII	16 18 31 34.1–2.4	52.30N	178.82E	0	3.7,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.6km az=19.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=70.7km s-min=23.2km az=3.0.

ISC	**IX**	**05 11 18 02.8–.95**	**51.5N–.20**	**179.82E–.10**	**48**	**4.0b**	**22**	**14-150**
ISCJB	IX	05 11 18 01.2–.84	51.6N–.20	179.8E–.10	48	4.0b,3.7s		**¶601862982**
IDC	IX	05 11 18 09.2–5.0	51.62N	179.91E	102–44	4.0,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=11.9km az=0.6.
IDC Error ellipse: s-maj=22.9km s-min=12.8km az=7.0.

ISC	**IX**	**11 09 41 41.4–.64**	**52.4N–.10**	**179.16E–.04**	**191–6**	**4.1b**	**72**	**0-146**
IDC	IX	11 09 41 36.5–8.8	52.23N	179.26E	140–88	4.0,3.7		**¶601839192**
ISCJB	IX	11 09 41 40.8–.32	52.31N–.08	179.21E–.05	193–4	3.9b,3.7		
NEIC	IX	11 09 41 42.0–.00	52.06N	179.23E	202	4.3b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=85.6km s-min=14.2km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=4.9km az=177.8.
NEIC Event type se. After AEIC.

ISC	**IX**	**12 13 46 07.1–.50**	**51.24N–.08**	**178.72E–.03**	**40**	**4.5b,3.7s**	**170**	**0-89**
IDC	IX	12 13 46 00.9–.68	51.13N	178.66E	0	4.3L,4.2		**¶601710356**
NEIC	IX	12 13 46 02.6–.24	51.02N	178.62E	10	4.6b,4.1L		
MOS	IX	12 13 46 04.9–1.2	51.15N	178.69E	36	4.7b,4.1L		
ISCJB	IX	12 13 46 05.2–.26	51.11N–.05	178.69E–.03	40	4.4b,3.6s		
BJI	IX	12 13 46 05.0	51.20N	178.70E	49	4.8b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=12.6km az=162.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=170.0.
MOS Error ellipse: s-maj=10.7km s-min=9.1km az=116.5.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=2.8km az=174.4.

NEIC	**IX**	**20 06 56 16.5–.00**	**51.72N**	**175.68E**	**23**	**3.6L**		**¶601851696**

NEIC Event type se. After AEIC.

ISC	**IX**	**29 11 00 19.2–.52**	**51.13N–.09**	**179.14E–.04**	**41**	**4.5b**	**146**	**0-150**
IDC	IX	29 11 00 12.5–.72	51.15N	179.25E	0	4.2,4.1L		**¶601768535**
ISCJB	IX	29 11 00 16.9–.32	51.10N–.05	179.14E–.04	41	4.4b,4.1L		
NEIC	IX	29 11 00 18.0–.30	51.10N	179.11E	35	4.5b,4.1L		
BJI	IX	29 11 00 18.5	51.40N	178.62E	34	5.1b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=12.2km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.1km az=174.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.3km az=175.0.

ISC	**X**	**02 05 30 07.9–1.1**	**50.2N–.10**	**179.09E–.07**	**35**	**3.8b**	**30**	**1-69**
IDC	X	02 05 30 03.9–1.8	50.47N	179.17E	0	3.9,3.7		**¶601901405**
NEIC	X	02 05 30 04.8–.00	50.09N	178.99E	29	3.1L,3.7		
ISCJB	X	02 05 30 05.5–.78	50.10N–.06	179.08E–.08	33	3.7b,3.7		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**X**	**04 06 22 13.0–1.1**	**50.2N–.10**	**179.10E–.07**	**35**	**4.0b**	**27**	**1-69**
ISCJB	X	04 06 22 10.4–.75	50.09N–.06	179.07E–.09	33	3.8b,2.6s		**¶601883123**
NEIC	X	04 06 22 10.8–.00	50.13N	179.07E	26	3.5L,2.6s		
IDC	X	04 06 22 13.5–8.6	50.34N	179.13E	33–61	3.9,3.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.4km s-min=7.8km az=167.2.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=55.3km s-min=18.8km az=12.0.							
ISC	**X**	**04 06 44 06.7–4.6**	**50.14N–.07**	**179.00E–.05**	**16–29**	**4.0b**	**38**	**1-82**
IDC	X	04 06 44 03.4–.89	49.96N	178.93E	0	4.2,4.0		**¶601874835**
ISCJB	X	04 06 44 06.2–1.8	50.09N–.05	178.97E–.07	27–13	3.8b,3.4s		
NEIC	X	04 06 44 08.2–.00	50.19N	179.03E	30	3.6L,3.4s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=26.6km s-min=16.2km az=178.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.5km s-min=7.7km az=146.3.							
NEIC	Event type se. After AEIC.							
ISC	**X**	**04 09 47 59.1–1.9**	**51.2N–.10**	**177.5E–.10**	**43**	**3.7b**	**36**	**1-61**
IDC	X	04 09 47 51.7–8.8	51.46N	176.95E	0	4.1L,4.0		**¶601883566**
NEIC	X	04 09 48 00.2–.00	51.29N	177.84E	4	3.7b,3.1L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=177.7km s-min=65.6km az=96.0.							
NEIC	Event type se. After AEIC.							
NEIC	**X**	**05 18 03 40.0–.00**	**50.16N**	**179.07E**	**26**	**2.7L**		**¶601906651**
NEIC	Event type se. After AEIC.							
ISC	**X**	**19 01 49 39.9–1.3**	**51.9N–.20**	**178.4E–.10**	**131–8**	**3.2b**	**20**	**0-60**
IDC	X	19 01 49 17.1–9.5	51.64N	176.70E	0	4.0L,3.9		**¶601998874**
NEIC	X	19 01 49 40.0–.00	51.90N	178.47E	126	2.7L,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=192.3km s-min=70.5km az=96.0.							
NEIC	Event type se. After AEIC.							
ISC	**X**	**21 08 43 55.0–.43**	**52.18N–.08**	**176.50E–.03**	**40**	**4.5b,3.4s**	**155**	**1-148**
IDC	X	21 08 43 49.0–.59	52.19N	176.60E	0	4.2,4.1		**¶601839948**
NEIC	X	21 08 43 51.7–.00	51.91N	176.40E	20	4.6b,3.9L		
BJI	X	21 08 43 52.3	52.29N	176.56E	37	5.0b,4.7b		
ISCJB	X	21 08 43 53.3–.23	52.23N–.04	176.54E–.03	40	4.5b,3.5s		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se.							
ISC	**X**	**22 02 21 54.4–.91**	**51.7N–.10**	**178.58E–.05**	**74**	**3.7b**	**36**	**0-65**
IDC	X	22 02 21 46.4–2.1	51.94N	178.31E	0	3.9L,3.8		**¶601999238**
ISCJB	X	22 02 21 53.8–.67	51.7N–.10	178.58E–.07	74	3.6b,3.8		
NEIC	X	22 02 21 54.6–.00	51.60N	178.68E	74	3.4L,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=55.9km s-min=22.8km az=2.0.							
ISCJB	Event type se. Error ellipse: s-maj=15.3km s-min=5.3km az=12.6.							
NEIC	Event type se. After AEIC.							
ISC	**X**	**22 03 43 35.4–1.2**	**51.8N–.20**	**176.33E–.07**	**40**	**3.7b**	**24**	**1-65**
IDC	X	22 03 43 30.9–1.8	52.25N	176.28E	0	4.0L,3.9		**¶601999243**
ISCJB	X	22 03 43 34.2–1.0	51.7N–.20	176.25E–.09	40	3.7b,3.9		
NEIC	X	22 03 43 35.4–.00	51.72N	176.29E	37	3.4L,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=53.9km s-min=20.3km az=7.0.							
ISCJB	Event type se. Error ellipse: s-maj=24.2km s-min=5.2km az=13.9.							
NEIC	Event type se. After AEIC.							
ISC	**XI**	**13 23 43 35.1–.74**	**51.77N–.08**	**176.90E–.03**	**46–6**	**4.4b**	**169**	**1-149**
IDC	XI	13 23 43 28.4–.62	51.77N	177.04E	0	4.7L,4.3		**¶601897591**
MOS	XI	13 23 43 32.1–1.0	51.87N	176.85E	33	4.6b,4.3		
ISCJB	XI	13 23 43 35.2–.45	51.80N–.05	176.94E–.04	62–4	4.3b,4.3		
NEIC	XI	13 23 43 35.0–.00	51.61N	176.92E	35	4.4b,4.1L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.0km s-min=12.7km az=157.0.							
MOS	Error ellipse: s-maj=11.4km s-min=9.4km az=112.8.							
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=4.3km az=178.2.							
NEIC	Event type se. After AEIC.							
ISC	**XI**	**18 18 24 14.8–.72**	**51.7N–.10**	**177.15E–.06**	**30**	**3.9b**	**43**	**1-84**
IDC	XI	18 18 24 10.0–.79	51.74N	177.21E	0	4.0,4.0L		**¶602059977**
ISCJB	XI	18 18 24 13.5–.54	51.8N–.10	176.96E–.06	30	4.0b,4.0L		
NEIC	XI	18 18 24 17.1–.00	51.59N	177.27E	45	3.6L,4.0L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=23.9km s-min=14.7km az=170.0.							
ISCJB	Event type se. Error ellipse: s-maj=16.3km s-min=5.1km az=9.3.							
NEIC	Event type se. After AEIC.							
ISC	**XI**	**30 10 20 59.8–1.2**	**52.4N–.20**	**175.54E–.10**	**35**	**3.6b**	**8**	**11-80**
IDC	XI	30 10 20 54.4–1.2	52.29N	175.69E	0	3.8,3.6		**¶602390232**
ISCJB	XI	30 10 20 57.8–1.1	52.4N–.20	175.4E–.10	33	3.6b,2.7s		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XI**	**30 10 58 38.4–1.2**	**52.4N–.30**	**175.2E–.10**	**35**	**4.0s,3.3b**	**12**	**1-73**
IDC	XI	30 10 58 27.8–2.5	51.37N	175.74E	0	4.1,4.0s		**¶602311706**
NEIC	XI	30 10 58 36.2–.00	52.14N	175.13E	25	3.5L,4.0s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=85.1km s-min=25.5km az=180.0.							
NEIC	Event type se. After AEIC.							
ISC	**XII**	**02 00 01 08.0–.94**	**51.09N–.09**	**178.35E–.07**	**33**	**3.5b**	**42**	**1-60**
IDC	XII	02 00 01 03.8–1.3	51.30N	178.37E	0	4.7L,4.0		**¶602216543**
ISCJB	XII	02 00 01 06.8–.68	50.97N–.06	178.30E–.07	33	3.8s,3.6b		
NEIC	XII	02 00 01 08.9–.00	51.08N	178.45E	27	3.2L,3.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=45.9km s-min=16.7km az=173.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=0.6.							
NEIC	Event type se. After AEIC.							
ISC	**XII**	**04 14 42 51.0–1.2**	**51.6N–.20**	**175.79E–.05**	**25**	**3.4b**	**21**	**2-62**
IDC	XII	04 14 42 48.5–2.5	51.62N	176.07E	0	3.8,3.5		**¶602330074**
ISCJB	XII	04 14 42 49.8–1.0	51.5N–.10	175.76E–.08	25	3.3b,3.5		
NEIC	XII	04 14 42 51.8–.00	51.61N	175.83E	69	3.2L,3.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=65.1km s-min=36.0km az=2.0.							
ISCJB	Event type se. Error ellipse: s-maj=17.5km s-min=5.6km az=13.3.							
NEIC	Event type se. After AEIC.							
ISC	**XII**	**11 03 03 42.8–1.2**	**51.2N–.10**	**179.98E–.04**	**35**	**4.0b**	**26**	**0-67**
IDC	XII	11 03 03 37.6–3.0	51.39N	179.88E	0	3.9,3.6		**¶602330518**
ISCJB	XII	11 03 03 42.3–1.1	51.09N–.10	179.98E–.06	35	3.7b,3.3s		
NEIC	XII	11 03 03 43.5–.00	51.23N	179.94W	23	3.3L,3.3s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=80.6km s-min=26.7km az=180.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.5km s-min=4.5km az=13.0.							
NEIC	Event type se. After AEIC.							
NEIC	**XII**	**14 21 00 49.1–.00**	**52.48N**	**175.30E**	**97**	**3.9b,3.5L**		**¶602347528**
NEIC	Event type se. After AEIC.							
ISC	**XII**	**22 03 54 31.6–1.2**	**51.7N–.20**	**177.65E–.05**	**112–7**		**30**	**1-65**
ISCJB	XII	22 03 54 32.2–.95	51.8N–.20	177.79E–.10	116–5	3.8b		**¶602374095**
NEIC	XII	22 03 54 32.5–.00	51.89N	177.81E	112	3.3L		
IDC	XII	22 03 54 32.9–7.2	51.56N	178.04E	113–62	3.7,3.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=28.2km s-min=7.2km az=14.0.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=170.6km s-min=29.4km az=175.0.							
ISC	**XII**	**22 21 59 58.2–.74**	**51.9N–.10**	**175.64E–.05**	**36**	**3.8b**	**28**	**1-84**
IDC	XII	22 21 59 52.3–.83	51.81N	175.83E	0	4.0,3.8		**¶602090231**
ISCJB	XII	22 21 59 56.6–.58	51.9N–.10	175.53E–.07	36	3.8b,3.0s		
NEIC	XII	22 21 59 57.4–.00	51.74N	175.60E	26	3.6L,3.0s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.3km s-min=17.0km az=167.0.							
ISCJB	Event type se. Error ellipse: s-maj=17.4km s-min=5.2km az=9.8.							
NEIC	Event type se. After AEIC.							

(7) Andreanof Islands.

ISC	**VII**	**02 17 51 05.0–1.2**	**51.34N–.09**	**174.19W–.06**	**38**	**3.4b**	**17**	**1-62**
ISCJB	VII	02 17 51 01.1–.93	51.16N–.06	174.08W–.09	38	3.4b,2.7s		**¶601542014**
NEIC	VII	02 17 51 01.5–.00	51.21N	174.11W	26	3.3L,2.7s		
IDC	VII	02 17 51 03.3–3.2	52.11N	174.45W	0	3.8L,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=8.2km az=169.6.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=91.2km s-min=32.6km az=2.0.							
ISC	**VII**	**02 19 26 16.5–.00**	**52.09N–.06**	**173.63W–.03**	**14–5**	**4.8b,3.8s**	**593**	**3-160**
BJI	VII	02 19 26 13.4	52.00N	173.70W	17	4.8b,4.7b		**¶601233546**
ISCJB	VII	02 19 26 13.3–.15	52.03N–.03	173.59W–.03	10	4.7b,3.7s		
IDC	VII	02 19 26 14.4–.37	52.25N	173.64W	0	4.5,4.4		
NEIC	VII	02 19 26 16.0–.00	51.87N	173.64W	21	4.8b,4.5L		
GCMT	VII	02 19 26 16.0–.50	52.31N	173.43W	21–1	4.8W,4.5L		
MOS	VII	02 19 26 18.5–.94	52.33N	173.76W	34	4.8b,4.5L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.9km s-min=2.3km az=172.3.							
IDC	Error ellipse: s-maj=13.5km s-min=9.5km az=163.0.							
NEIC	Event type se. After AEIC.							
GCMT	Error ellipse: s-maj=4.4km s-min=6.7km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s27,c33; s70,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.15 $M_{\theta\theta}$0.69±.10; $M_{\phi\phi}$1.36±.10; $M_{r\theta}$0.69±.21; $M_{\theta\phi}$-0.43±.07; $M_{\phi r}$-0.58±.15; Best double couple: NP1:ϕ_s325.00000°,δ58.00000°,λ-98.00000°. NP2:ϕ_n159.00000°,δ33.00000°,λ-78.00000°. Principal axes: T 1.7560,Plg12.0000°,Azm60.0000°; N 0.5190,Plg6.0000°,Azm329.0000°; P -2.2720,Plg76.0000°,Azm212.0000° M_o2.01400×10^{16}							
MOS	Error ellipse: s-maj=7.9km s-min=7.2km az=63.3.							
ISC	**VII**	**02 22 39 26.3–.74**	**51.97N–.09**	**173.53W–.04**	**10**	**4.0b**	**64**	**0-149**
IDC	VII	02 22 39 24.6–.93	51.92N	173.45W	0	4.2,3.9		**¶601351253**
ISCJB	VII	02 22 39 25.4–.41	52.00N–.06	173.46W–.04	10	3.9b,3.3s		
NEIC	VII	02 22 39 27.2–.00	52.07N	173.56W	11	4.0b,3.8L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=33.9km s-min=20.4km az=147.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.7km s-min=2.8km az=168.8.							
NEIC	Event type se. After AEIC.							
ISC	**VII**	**04 22 13 44.6–.62**	**51.06N–.08**	**179.73W–.03**	**10**	**4.1b,3.3s**	**125**	**1-85**
ISCJB	VII	04 22 13 42.4–.35	50.91N–.04	179.77W–.04	10	4.1b,3.2s		**¶601484723**
IDC	VII	04 22 13 42.0–.90	51.17N	179.75W	0	4.3L,4.0		
NEIC	VII	04 22 13 44.0–.00	50.98N	179.71W	8	4.2b,4.1L		
MOS	VII	04 22 13 46.1–1.0	51.34N	179.86W	33	4.3b,4.1L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=3.3km az=1.4.							
IDC	Error ellipse: s-maj=26.3km s-min=16.0km az=179.0.							
NEIC	Event type se. After AEIC.							
MOS	Error ellipse: s-maj=13.9km s-min=12.8km az=57.6.							
ISC	**VII**	**21 03 30 32.5–1.0**	**51.44N–.10**	**173.81W–.07**	**35**	**3.4b**	**18**	**1-84**
IDC	VII	21 03 30 26.7–1.9	51.69N	174.10W	0	4.0,3.9L		**¶601519828**
ISCJB	VII	21 03 30 31.8–.88	51.36N–.08	173.83W–.08	35	3.5b,3.9L		
NEIC	VII	21 03 30 37.4–.00	51.65N	174.21W	26	3.1L,3.9L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=80.5km s-min=34.0km az=144.0.							
ISCJB	Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=3.3.							
NEIC	Event type se. After AEIC.							
ISC	**VII**	**22 13 54 34.7–2.5**	**51.5N–.10**	**174.37W–.09**	**17–12**		**19**	**1-56**
IDC	VII	22 13 54 24.8–28	51.44N	175.19W	0	3.5,3.2		**¶601664974**
NEIC	VII	22 13 54 38.2–.00	51.78N	174.61W	5	2.9L,3.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=563.8km s-min=74.3km az=85.0.							
NEIC	Event type se. After AEIC.							
ISC	**VII**	**23 07 09 35.4–.38**	**52.11N–.06**	**179.77W–.03**	**158–2**	**4.7b**	**1179**	**0-161**
BJI	VII	23 07 09 31.1	52.34N	179.58W	144	5.2b,5.0b		**¶601465916**
ISCJB	VII	23 07 09 34.4–.20	52.16N–.03	179.72W–.02	163–1	4.6b,5.0b		
MOS	VII	23 07 09 34.2–.97	52.25N	179.80W	155	4.6b,5.0b		
NEIC	VII	23 07 09 35.6–.00	51.83N	179.69W	150	4.8b,4.5L		
IDC	VII	23 07 09 36.8–.53	52.25N	179.84W	167–4	4.7,4.3		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=2.2km az=174.4.							
MOS	Error ellipse: s-maj=7.1km s-min=5.9km az=59.7.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=9.7km s-min=6.2km az=166.0.							
ISC	**VII**	**23 12 11 06.4–.80**	**52.00N–.09**	**173.73W–.04**	**63–5**	**4.7b**	**769**	**0-153**
BJI	VII	23 12 11 02.2	51.83N	173.23W	64	5.0b,4.7b		**¶601459527**
MOS	VII	23 12 11 03.8–.92	52.08N	173.77W	51	4.8b,4.7b		
IDC	VII	23 12 11 05.6–2.3	52.06N	173.77W	54–19	5.0L,4.3		
ISCJB	VII	23 12 11 06.5–.26	52.17N–.04	173.85W–.03	85–2	4.6b,4.3		
NEIC	VII	23 12 11 07.2–.20	52.05N	173.84W	72–2	4.7b,4.6L		
ISC	Event type se.							
MOS	Error ellipse: s-maj=10.6km s-min=6.7km az=140.2.							
IDC	Error ellipse: s-maj=19.5km s-min=8.6km az=173.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.4km s-min=2.6km az=166.6.							
NEIC	Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=164.0.							
NEIC	**VII**	**24 00 20 52.3–.00**	**51.06N**	**178.45W**	**26**	**3.7L**		**¶601519873**
NEIC	Event type se. After AEIC.							
ISC	**VII**	**26 12 52 16.2–.81**	**52.5N–.20**	**176.87W–.06**	**150–10**	**3.2b**	**31**	**1-57**
IDC	VII	26 12 51 50.9–6.6	51.77N	178.51W	0	4.2L,3.8		**¶601666476**
ISCJB	VII	26 12 52 15.8–.47	52.4N–.20	176.80W–.09	156–7	3.1b,3.8		
NEIC	VII	26 12 52 17.7–.00	51.93N	176.74W	161	2.8L,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=123.5km s-min=58.0km az=90.0.							
ISCJB	Event type se. Error ellipse: s-maj=29.9km s-min=6.8km az=168.7.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**02 05 58 20.8–.60**	**51.36N–.06**	**172.75W–.03**	**22–3**	**4.9b,4.1s**	**926**	**1-154**
IDC	VIII	02 05 58 17.5–.45	51.52N	172.80W	0	4.8,4.7		**¶601503304**
ISCJB	VIII	02 05 58 18.3–.13	51.44N–.03	172.71W–.02	18	4.8b,4.1s		
NEIC	VIII	02 05 58 18.2–.00	51.08N	172.75W	32	4.8b,4.1s		
BJI	VIII	02 05 58 18.8	51.84N	173.13W	11	5.1b,5.0b		
MOS	VIII	02 05 58 20.4–.84	51.54N	172.78W	28	5.1b,4.2s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=14.4km s-min=9.5km az=164.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.1km s-min=1.9km az=0.9.							
NEIC	Event type se. After AEIC.							
MOS	Error ellipse: s-maj=7.0km s-min=5.2km az=90.7.							
ISC	**VIII**	**02 06 16 13.5–2.6**	**51.3N–.10**	**172.77W–.05**	**13–14**	**4.3b**	**74**	**1-154**
NEIC	VIII	02 06 16 09.9–.00	50.85N	172.77W	26	4.4b		**¶601503308**
ISCJB	VIII	02 06 16 10.2–2.1	51.15N–.06	172.72W–.05	7–13	4.3b,3.0s		
IDC	VIII	02 06 16 12.2–.60	51.54N	172.81W	0	4.4,4.3		
BJI	VIII	02 06 16 13.0	51.80N	172.80W	13	5.0b,4.9b		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se. Error ellipse: s-maj=9.5km s-min=5.4km az=178.4.							
IDC	Error ellipse: s-maj=18.3km s-min=11.0km az=170.0.							
NEIC	**VIII**	**03 10 44 31.2–.00**	**50.58N**	**177.37W**	**16**	**2.8L**		**¶601706365**
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**06 18 38 23.6–.74**	**51.6N–.10**	**175.79W–.04**	**47**	**3.9b,3.5s**	**42**	**0-152**
IDC	VIII	06 18 38 17.1–.97	51.68N	175.91W	0	4.1L,4.0		**¶601734798**
ISCJB	VIII	06 18 38 22.4–.59	51.49N–.08	175.75W–.05	47	3.8b,3.5s		
NEIC	VIII	06 18 38 22.3–.00	51.45N	175.74W	26	3.9L,3.5s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=30.8km s-min=17.6km az=153.0.							
ISCJB	Event type se. Error ellipse: s-maj=12.5km s-min=3.8km az=166.8.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**12 22 20 18.5–.88**	**52.5N–.20**	**177.49W–.08**	**250**		**23**	**1-58**
IDC	VIII	12 22 20 15.3–8.4	52.44N	177.13W	200–86	3.5,3.1		**¶601734892**
ISCJB	VIII	12 22 20 17.7–.49	52.63N–.10	177.5W–.10	250	3.1b,3.1		
NEIC	VIII	12 22 20 19.4–.00	52.04N	177.41W	260	2.8L,3.1		
ISC	Event type se.							
IDC	Error ellipse: s-maj=82.1km s-min=31.2km az=163.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.5km s-min=6.5km az=155.0.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**19 11 25 17.9–.61**	**51.6N–.10**	**177.13W–.03**	**48**	**4.0b**	**68**	**0-152**
IDC	VIII	19 11 25 11.2–.70	51.30N	177.12W	0	4.1,3.9L		**¶601683832**

NEIC VIII 19 11 25 18.1–.00 51.54N 177.11W 43 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=16.2km az=159.0.
NEIC Event type se. After AEIC.
ISC VIII 30 08 23 05.7–1.1 52.04N–.10 174.31W–.04 27–6 4.4b,4.2s 341 0-160
IDC VIII 30 08 23 01.5–.42 52.15N 174.42W 0 4.2,4.1 **¶601667531**
NEIC VIII 30 08 23 07.0–.46 52.07N 174.36W 32–3 4.4L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=10.0km az=170.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.0km az=165.0.
ISC VIII 30 19 47 21.9–.49 51.01N–.08 177.00W–.04 36–2 4.5b,4.2s 230 1-152
IDC VIII 30 19 47 15.8–.69 51.10N 177.02W 0 4.8L,4.3 **¶601664240**
MOS VIII 30 19 47 20.0–1.2 51.19N 176.98W 33 5.0b,4.3
ISCJB VIII 30 19 47 21.6–.64 51.13N–.06 177.01W–.03 46–4 4.5b,4.1s
NEIC VIII 30 19 47 22.6–.55 51.16N 177.05W 40–4 4.5b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=14.8km az=154.0.
MOS Error ellipse: s-maj=10.7km s-min=7.3km az=93.9.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.3km az=172.4.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=2.8km az=174.0.
ISC IX 02 21 32 20.7–.39 51.09N–.06 176.94W–.03 42 4.8b,4.0s 696 1-152
IDC IX 02 21 32 14.5–.56 51.11N 177.02W 0 4.4,4.3 **¶601671985**
NEIC IX 02 21 32 17.9–.00 50.96N 176.94W 38 4.8b,4.3
ISCJB IX 02 21 32 18.8–.15 51.05N–.03 176.92W–.02 42 4.7b,4.1s
GCMT IX 02 21 32 18.9–.50 50.97N–.03 176.99W–.06 21–1 4.8W,4.1s
MOS IX 02 21 32 19.6–.98 51.23N 177.05W 41 4.9b,4.1s
BJI IX 02 21 32 20.9 51.75N 177.16W 45 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=10.7km az=167.0.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.1km az=0.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c34; s55,c70;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.15 $M_{\theta\theta}$-1.78±.10; $M_{\phi\phi}$-0.19±.09; $M_{r\theta}$0.88±.17; $M_{\theta\phi}$-0.24±.06; $M_{\phi r}$0.59±.20; Best double couple: NP1:ϕ_s70.00000°,δ59.00000°,λ79.00000°. NP2:ϕ_s271.00000°,δ32.00000°,λ108.00000°. Principal axes: T 2.2780,Plg73.0000° ,Azm313.0000°; N -0.2380,Plg9.0000°,Azm76.0000°; P -2.0460,Plg14.0000°,Azm168.0000° M_o2.16200×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=5.9km az=96.3.
ISC IX 03 10 00 34.9–.48 51.11N–.05 177.02W–.03 33–1 5.0b,4.1s 1214 1-152
BJI IX 03 10 00 32.6 51.50N 176.85W 33 5.1b,5.0b **¶601672367**
MOS IX 03 10 00 34.4–.98 51.21N 177.00W 36 5.1b,4.0s
IDC IX 03 10 00 35.7–2.5 51.23N 177.04W 36–19 5.3L,4.6
ISCJB IX 03 10 00 35.3–.41 51.18N–.03 176.93W–.02 49–3 4.9b,4.1s
NEIC IX 03 10 00 36.5–.27 51.22N 177.05W 43–2 5.0b,4.9L
GCMT IX 03 10 00 37.5–.50 51.16N–.03 177.15W–.05 27–1 5.0W,4.9L
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt on Adak.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s57,c72;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.23 $M_{\theta\theta}$-2.73±.16; $M_{\phi\phi}$-0.58±.16; $M_{r\theta}$1.12±.23; $M_{\theta\phi}$-1.05±.10; $M_{\phi r}$-0.06±.28; Best double couple: NP1:ϕ_s75.00000°,δ54.00000°,λ99.00000°. NP2:ϕ_s241.00000°,δ37.00000°,λ78.00000°. Principal axes: T 3.5360,Plg79.0000° ,Azm19.0000°; N -0.2160,Plg7.0000°,Azm250.0000°; P -3.3150,Plg9.0000°,Azm159.0000° M_o3.42500×10^{16}
NEIC IX 07 23 47 43.0–.00 51.56N 179.91W 74 3.5L
¶601833352
NEIC Event type se. After AEIC.
ISC IX 15 06 44 22.2–1.1 51.8N–.20 176.38W–.06 79–6 34 0-57
IDC IX 15 06 44 13.9–4.5 51.29N 175.87W 0 3.7,3.7L **¶601736778**
ISCJB IX 15 06 44 22.3–.67 51.9N–.20 176.41W–.09 85–4 3.2b,3.7L
NEIC IX 15 06 44 23.4–.00 51.85N 176.44W 72 3.2L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=104.1km s-min=46.8km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=6.1km az=165.3.
NEIC Event type se. After AEIC.
ISC IX 16 19 13 13.1–.72 53.2N–.10 174.77W–.05 200 3.0b 34 1-88
IDC IX 16 19 13 08.4–6.2 52.70N 174.83W 163–58 3.6,3.3 **¶601863671**
ISCJB IX 16 19 13 13.3–.42 53.24N–.08 174.81W–.07 200 3.0b,3.3
NEIC IX 16 19 13 15.3–.00 52.46N 174.56W 227 3.3L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=17.0km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.0km az=156.2.
NEIC Event type se. After AEIC.
ISC IX 16 20 49 13.9–.59 51.58N–.09 176.60W–.04 47 4.0b 50 0-152
IDC IX 16 20 49 07.1–.65 51.55N 176.71W 0 5.0L,4.2 **¶601863675**
ISCJB IX 16 20 49 12.6–.49 51.41N–.06 176.53W–.04 47 4.0b,3.0s
NEIC IX 16 20 49 13.2–.00 51.43N 176.54W 34 4.0L,3.0s
ISC Event type fe.
IDC Error ellipse: s-maj=25.0km s-min=14.8km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=3.5km az=169.3.
NEIC Event type fe. Felt on Adak. After AEIC.
ISC IX 26 23 39 56.5–.32 51.54N–.03 178.18W–.02 27–1 6.5s,6.1b 2783 0-160
BJI IX 26 23 39 54.0 51.61N 178.22W 31 6.7s,6.6 **¶601741086**
ISCJB IX 26 23 39 55.8–.31 51.62N–.02 178.19W–.01 33–2 6.5s,6.0b
NEIC IX 26 23 39 55.1–.07 51.59N 178.30W 16 6.5s,6.5
MOS IX 26 23 39 56.2–1.1 51.63N 178.22W 37 6.4s,6.1b
IDC IX 26 23 39 56.5–.85 51.70N 178.22W 25–4 6.3s,6.3
NEIC IX 26 23 39 58.0–.00 51.28N 178.20W 23 6.3s,6.3
GCMT IX 26 23 39 59.1–.00 51.56N 178.08W 15–0 6.5W,6.3
NEIC IX 26 23 40 13.8–.00 51.63N 178.31W 22 6.5W,6.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=179.4.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=170.0. Felt [VII] on Adak. Also felt on Atka. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s12 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.98 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$3.31 $M_{r\theta}$2.19 $M_{\theta\phi}$-2.19 $M_{\phi r}$0.98 Best double couple: NP1:ϕ_s302.00000° ,δ60.00000°,λ-147.00000°. NP2:ϕ_s194.00000°,δ62.00000°,λ-35.00000°. Principal axes: T 4.1800,Plg1.0000°,Azm249.0000°; N 0.3100,Plg46.0000°,Azm340.0000° ; P -4.4900,Plg44.0000°,Azm158.0000° M_o4.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s330.00000°,δ54.00000°,λ-149.00000°. NP2: ϕ_s220.00000°,δ65.00000°,λ-40.00000°. Principal axes: T Plg6.0000°,Azm277.0000° ; N Plg0.0000°,Azm0.0000°; P Plg45.0000°,Azm180.0000°
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=100.1.
IDC Error ellipse: s-maj=8.6km s-min=5.5km az=163.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.21 $M_{\theta\theta}$-2.13 $M_{\phi\phi}$4.35 $M_{r\theta}$1.33 $M_{\theta\phi}$-2.03 $M_{\phi r}$2.37 Best double couple: NP1:ϕ_s199.00000° ,δ72.00000°,λ-44.00000°. NP2:ϕ_s306.00000°,δ48.00000°,λ-155.00000°. Principal axes: T 5.4400,Plg14.0000°,Azm257.0000°; N -0.8400,Plg42.0000°,Azm1.0000° ; P -4.5900,Plg43.0000°,Azm152.0000° M_o5.10000×10^{18}
GCMT nsta1 refers to surface/mantle waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c351; s143,c610; Duration: 4≥3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.07±.03 $M_{\theta\theta}$-1.91±.03; $M_{\phi\phi}$4.98±.02; $M_{r\theta}$4.04±.10; $M_{\theta\phi}$-2.73±.02; $M_{\phi r}$1.97±.08; Best double couple: NP1:ϕ_s197.00000°,δ63.00000° ,λ-39.00000°. NP2:ϕ_s307.00000°,δ56.00000°,λ-147.00000°. Principal axes: T 5.9720,Plg4.0000°,Azm253.0000°; N 1.4680,Plg44.0000°,Azm347.0000° ; P -7.4400,Plg46.0000°,Azm158.0000° M_o6.70600×10^{18}
NEIC Event type se. Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.34 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$5.10 $M_{r\theta}$1.22 $M_{\theta\phi}$-2.52 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s192.00000° ,δ63.00000°,λ-47.00000°. NP2:ϕ_s309.00000°,δ49.00000°,λ-142.00000°. Principal axes: T 6.1000,Plg8.0000°,Azm253.0000°; N -1.3000,Plg37.0000°,Azm349.0000° ; P -4.7900,Plg52.0000°,Azm153.0000° M_o5.50000×10^{18}
NEIC IX 26 23 46 11.2–.00 51.53N 178.13W 11 3.8L
¶601847415
NEIC Event type se. After AEIC.
NEIC IX 26 23 48 30.1–.00 51.59N 178.13W 21 3.3L
¶601847419
NEIC Event type se. After AEIC.
NEIC IX 27 00 59 06.5–.00 51.40N 178.17W 5 3.8L
¶601847448
NEIC Event type se. After AEIC.
ISC IX 27 02 49 09.9–.66 51.42N–.09 178.12W–.03 10 3.8b 44 0-151
ISCJB IX 27 02 49 08.7–.49 51.31N–.06 178.11W–.04 10 3.7b **¶601864255**
IDC IX 27 02 49 08.6–.68 51.45N 178.01W 0 4.2L,4.1
NEIC IX 27 02 49 10.7–.00 51.46N 178.12W 10 4.1L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.5km az=167.5.
IDC Error ellipse: s-maj=27.7km s-min=14.7km az=159.0.
NEIC Event type se. After AEIC.
ISC IX 27 03 28 48.8–.76 51.56N–.08 178.20W–.03 44–5 4.5b,3.6s 498 0-151
NEIC IX 27 03 28 45.9–.00 51.44N 178.24W 24 4.6b,4.4L **¶601742259**
ISCJB IX 27 03 28 47.3–.31 51.74N–.05 178.32W–.03 47–2 4.5b,3.8s
IDC IX 27 03 28 48.6–2.3 51.67N 178.35W 44–20 4.2,4.2
MOS IX 27 03 28 48.6–1.6 51.72N 178.11W 48 4.5b,4.2
BJI IX 27 03 28 50.0 51.70N 177.90W 45 5.2b,4.8b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.1km az=171.5.
IDC Error ellipse: s-maj=20.1km s-min=10.4km az=164.0.
MOS Error ellipse: s-maj=10.4km s-min=8.0km az=148.8.
NEIC IX 27 04 09 04.3–.00 51.51N 178.06W 18 2.8L
¶601874802
NEIC Event type se. After AEIC.
ISC IX 27 07 16 03.9–.55 51.51N–.08 178.03W–.03 10 4.5b,3.2s 250 0-151
ISCJB IX 27 07 16 02.7–.23 51.57N–.04 178.05W–.04 10 4.5b,3.3s **¶601742273**
IDC IX 27 07 16 02.2–.68 51.51N 178.06W 0 4.4,4.1
NEIC IX 27 07 16 03.5–.58 51.54N 178.08W 6–3 4.5b,4.0L
BJI IX 27 07 16 07.5 51.70N 177.60W 25 5.3b,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.2km az=178.2.
IDC Error ellipse: s-maj=25.6km s-min=16.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.5km az=178.0.
NEIC IX 27 08 26 14.8–.00 51.52N 178.09W 5 3.6L
¶601880020
NEIC Event type se. After AEIC.
ISC IX 27 09 12 23.0–.87 51.53N–.10 178.08W–.03 10 3.7b 23 0-58
ISCJB IX 27 09 12 21.8–.68 51.53N–.09 178.09W–.05 10 3.6b **¶601864269**
NEIC IX 27 09 12 21.4–.00 51.55N 178.08W 5 3.2L
IDC IX 27 09 12 22.8–1.8 51.33N 178.13W 0 3.9,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.1km az=172.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=72.5km s-min=25.5km az=1.0.
NEIC IX 27 15 30 27.3–.00 51.50N 178.11W 7 3.2L
¶601883086
NEIC Event type se. After AEIC.
ISC IX 28 10 12 25.5–.83 51.40N–.08 178.11W–.03 10 3.7b 47 0-86
IDC IX 28 10 12 23.6–1.2 51.69N 178.48W 0 4.2L,3.8 **¶601864351**
ISCJB IX 28 10 12 24.5–.49 51.36N–.05 178.07W–.04 10 3.7b,3.8
NEIC IX 28 10 12 27.0–.00 51.52N 178.13W 16 4.1L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=65.1km s-min=20.5km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.8km az=171.5.
NEIC Event type se. After AEIC.
NEIC IX 28 17 44 07.5–.00 51.56N 178.18W 18 3.8L
¶601883098
NEIC Event type se. After AEIC.
NEIC IX 29 03 39 12.8–.00 51.42N 178.22W 20 3.5L
¶601851566
NEIC Event type se. After AEIC.
ISC IX 29 03 47 07.2–1.2 51.60N–.08 178.18W–.02 14–8 3.7b 38 0-58
IDC IX 29 03 47 04.5–2.3 51.74N 178.66W 0 4.0L,3.9 **¶601851567**
NEIC IX 29 03 47 08.6–.00 51.62N 178.05W 13 3.6L,3.9
ISCJB IX 29 03 47 09.1–.77 51.7N–.10 178.06W–.04 25–4 3.8b,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IX 29 03 58 05.5–1.8 51.59N–.08 178.15W–.03 1–12 3.4b 34 0-58
ISCJB IX 29 03 58 06.5–1.3 51.54N–.09 178.15W–.04 13–7 3.3b **¶601851568**
IDC IX 29 03 58 06.7–8.4 51.50N 177.99W 0 3.8,3.8L
NEIC IX 29 03 58 07.1–.00 51.62N 178.15W 12 3.4L,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=4.0km az=173.5.
IDC Error ellipse: s-maj=161.2km s-min=63.6km az=98.0.
NEIC Event type se. After AEIC.
ISC IX 29 21 40 27.7–.83 51.46N–.08 178.12W–.03 10 3.5b 41 0-86
ISCJB IX 29 21 40 26.5–.59 51.37N–.05 178.12W–.05 10 3.5b,3.4s **¶601857501**
IDC IX 29 21 40 26.1–.91 51.32N 177.90W 0 4.2L,3.9
NEIC IX 29 21 40 28.7–.00 51.53N 178.11W 13 4.2L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.1km az=2.2.
IDC Error ellipse: s-maj=38.9km s-min=18.4km az=155.0.
NEIC Event type se. After AEIC.
ISC IX 30 14 29 24.5–3.2 51.6N–.10 172.84W–.04 5–21 3.6b 28 1-88
IDC IX 30 14 29 23.8–1.6 51.63N 172.86W 0 4.0,3.7 **¶601857537**
NEIC IX 30 14 29 29.1–.00 51.54N 172.94W 48 3.2L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=27.5km az=136.0.
NEIC Event type se. After AEIC.
NEIC X 01 01 48 38.5–.00 51.60N 178.06W 13 3.1L
¶601857561
NEIC Event type se. After AEIC.
ISC X 01 02 33 10.2–.94 51.36N–.09 178.17W–.04 10 3.6b 25 0-151
IDC X 01 02 33 08.7–1.3 51.61N 178.23W 0 4.3L,3.9 **¶601857563**
ISCJB X 01 02 33 09.5–.84 51.27N–.07 178.14W–.06 10 3.4b,3.0s
NEIC X 01 02 33 12.2–.00 51.45N 178.18W 15 3.9L,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=59.0km s-min=25.8km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=172.0.
NEIC Event type se. After AEIC.
NEIC X 01 10 15 16.0–.00 51.44N 178.14W 15 3.5L
¶601901401
NEIC Event type se. After AEIC.
ISC X 01 16 13 30.6–1.7 51.45N–.09 178.13W–.03 13–11 3.7b 31 0-58
ISCJB X 01 16 13 30.7–1.3 51.4N–.10 178.13W–.04 18–10 3.6b,2.9s **¶601996476**
NEIC X 01 16 13 31.2–.00 51.48N 178.12W 13 3.9L,2.9s
IDC X 01 16 13 43.4–7.8 51.15N 175.13W 0 4.0L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=4.6km az=179.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=146.0km s-min=57.3km az=97.0.
ISC X 01 21 33 29.3–.62 51.48N–.06 177.99W–.03 10 4.3b 90 0-151
IDC X 01 21 33 27.4–.79 51.76N 178.30W 0 4.5L,4.2 **¶601857566**
ISCJB X 01 21 33 28.8–.31 51.51N–.04 178.06W–.04 10 4.2b,3.1s
NEIC X 01 21 33 29.6–.00 51.58N 178.03W 11 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=16.9km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=169.2.
NEIC Event type se. After AEIC.
ISC X 01 22 35 57.9–1.8 51.53N–.09 178.00W–.03 6–12 3.9b 33 0-58
ISCJB X 01 22 35 57.9–1.1 51.53N–.08 178.05W–.04 10–6 3.8b **¶601857565**
NEIC X 01 22 35 58.7–.00 51.62N 178.04W 8 3.6L
IDC X 01 22 35 59.3–6.0 51.72N 177.85W 0 4.2,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=4.0km az=170.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=109.1km s-min=51.8km az=83.0.
ISC X 02 01 42 31.0–1.4 51.54N–.08 178.03W–.03 11–10 3.5b 30 0-58
IDC X 02 01 42 29.7–7.8 51.83N 178.31W 0 4.2L,3.9 **¶601883114**
ISCJB X 02 01 42 30.6–1.3 51.49N–.09 178.03W–.05 12–7 3.8s,3.6b
NEIC X 02 01 42 31.6–.00 51.59N 178.03W 13 3.3L,3.6b

ISC Event type se.
IDC Error ellipse: s-maj=150.7km s-min=60.9km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=4.2km az=168.3.
NEIC Event type se. After AEIC.
ISC X 02 04 32 46.5–1.8 51.51N–.09 178.12W–.03 1–12 33 0-58
IDC X 02 04 32 46.8–2.8 51.69N 178.42W 0 3.9,3.6 **¶601883117**
ISCJB X 02 04 32 47.0–1.5 51.44N–.09 178.10W–.05 13–8 3.6b,3.6
NEIC X 02 04 32 47.9–.00 51.52N 178.08W 13 3.3L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=92.4km s-min=31.9km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=4.1km az=170.1.
NEIC Event type se. After AEIC.
ISC X 02 19 59 31.7–.87 51.6N–.10 178.20W–.03 10 3.7b 35 0-58
IDC X 02 19 59 30.9–1.8 51.52N 178.31W 0 4.1L,3.9 **¶601869692**
ISCJB X 02 19 59 31.9–.60 51.47N–.07 178.01W–.04 10 3.6b,3.3s
NEIC X 02 19 59 32.7–.00 51.55N 178.05W 6 3.8L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=64.5km s-min=24.5km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=3.3km az=170.7.
NEIC Event type se. After AEIC.
ISC X 03 09 55 03.9–2.1 51.3N–.10 178.17W–.03 7–13 3.6b 43 1-86
IDC X 03 09 55 04.0–1.8 51.01N 177.78W 0 4.1L,3.9 **¶601883121**
ISCJB X 03 09 55 05.6–1.2 51.4N–.10 178.19W–.04 22–8 3.4b,3.2s
NEIC X 03 09 55 06.4–.00 51.47N 178.18W 16 3.6L,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=71.7km s-min=28.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=3.7km az=175.7.
NEIC Event type se. After AEIC.
ISC X 05 03 25 06.4–.71 51.45N–.09 178.17W–.03 10 4.1b,3.3s 43 0-151
ISCJB X 05 03 25 05.1–.50 51.36N–.06 178.15W–.04 10 3.9b,3.2s **¶601906650**
NEIC X 05 03 25 06.6–.00 51.50N 178.17W 8 4.2b,4.0L
IDC X 05 03 25 10.3–4.3 51.36N 177.93W 32–29 4.1L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=3.5km az=174.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=29.8km s-min=21.4km az=170.0.
ISC X 19 13 17 33.9–.66 51.7N–.10 175.25W–.04 47 3.8b 54 1-152
IDC X 19 13 17 27.2–.67 51.78N 175.41W 0 4.1,4.0L **¶601998939**
ISCJB X 19 13 17 32.6–.54 51.66N–.08 175.21W–.05 47 3.9b,2.5s
NEIC X 19 13 17 32.8–.00 51.60N 175.26W 26 4.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=12.4km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=3.4km az=167.7.
NEIC Event type se. After AEIC.
ISC X 20 01 44 14.6–2.3 51.0N–.10 176.17W–.06 20–15 23 1-62
IDC X 20 01 44 10.0–3.2 50.60N 176.40W 0 3.8L,3.7 **¶601998997**
ISCJB X 20 01 44 16.6–2.2 50.99N–.08 176.15W–.08 33–20 3.5b,3.7
NEIC X 20 01 44 16.9–.00 51.09N 176.19W 26 3.1L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=87.4km s-min=30.2km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=4.5.
NEIC Event type se. After AEIC.
ISC X 20 20 06 56.6–.65 51.6N–.10 173.04W–.05 37 3.4b 49 1-88
IDC X 20 20 06 51.3–.81 51.47N 173.20W 0 3.8,3.8L **¶601999080**
NEIC X 20 20 06 53.7–4.3 51.58N 173.08W 16–28 3.3L,3.8L
ISCJB X 20 20 06 54.7–.39 51.63N–.05 173.04W–.05 37 3.5b,2.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 22 19 23 04.8–.57 52.2N–.10 175.12W–.05 100 4.4b 145 1-88
ISCJB X 22 19 23 03.1–.21 52.12N–.08 175.11W–.05 100 4.2b **¶601881245**
NEIC X 22 19 23 03.6–.00 52.00N 175.06W 82 4.5b,4.4L
IDC X 22 19 23 05.5–2.2 52.10N 175.13W 100–18 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=2.9km az=166.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=23.8km s-min=13.0km az=161.0.
ISC XI 01 01 48 15.9–1.2 51.3N–.10 179.19W–.04 44 3.5b 28 1-59
ISCJB XI 01 01 48 14.6–.93 51.2N–.10 179.17W–.05 44 3.3b **¶602051228**
NEIC XI 01 01 48 14.1–.00 51.16N 179.18W 25 3.4L
IDC XI 01 01 48 32.9–2.7 51.63N 174.38W 0 3.8,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=4.2km az=178.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=77.7km s-min=40.0km az=5.0.
ISC XI 01 09 51 02.5–.52 51.25N–.05 179.71W–.03 42–4 5.1b,4.1s 1161 1-151
IDC XI 01 09 50 58.0–2.5 51.29N 179.66W 12–14 4.8,4.8 **¶601867330**
NEIC XI 01 09 50 59.1–.00 51.01N 179.70W 9 5.1b,4.8L
AEIC XI 01 09 50 59.1 51.01N 179.70W 9 5.1b,4.8L
MOS XI 01 09 51 01.3–.94 51.24N 179.70W 46 5.2b,4.1s
BJI XI 01 09 51 02.0 51.30N 179.60W 66 5.2b,5.1b
ISCJB XI 01 09 51 02.6–.40 51.28N–.03 179.62W–.02 59–3 5.0b,4.1s
GCMT XI 01 09 51 02.1–.30 51.06N–.02 179.71W–.03 32–1 4.9W,4.1s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c44; s71,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.62±.17 $M_{\theta\theta}$-2.20±.11; $M_{\phi\phi}$-0.41±.10; $M_{r\theta}$1.01±.13; $M_{\theta\phi}$-0.86±.06; $M_{\phi r}$1.30±.11; Best double couple: NP1:ϕ_s53.00000°,δ61.00000°,λ76.00000°. NP2:ϕ_s261.00000°,δ32.00000°,λ114.00000°. Principal axes: T 3.1840,Plg70.0000° ,Azm292.0000°; N -0.2530,Plg12.0000°,Azm60.0000°; P -2.9290,Plg15.0000° ,Azm154.0000° $M_0$3.05600×10^{16}
ISC XI 12 14 10 00.2–.72 52.7N–.10 173.59W–.06 142–8 3.9b 74 0-89
IDC XI 12 14 09 53.5–5.8 52.85N 173.79W 75–54 4.0L,3.9 **¶601991784**
ISCJB XI 12 14 09 59.6–.27 52.65N–.07 173.56W–.06 146–4 3.9b,3.9
NEIC XI 12 14 10 00.6–.20 52.63N 173.59W 144–2 4.2b,3.9L
AEIC XI 12 14 10 02.2–.00 52.29N 173.38W 134 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=17.8km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.3km az=160.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.0km az=158.0.
AEIC Event type se.
ISC XI 13 11 28 43.1–1.2 50.7N–.10 175.09W–.07 21 3.4b 20 1-63
IDC XI 13 11 28 39.5–2.5 50.46N 174.97W 0 3.7,3.4 **¶602056159**
ISCJB XI 13 11 28 41.3–.92 50.63N–.07 175.05W–.09 21 3.5b,3.4
NEIC XI 13 11 28 42.5–.00 50.64N 175.11W 26 3.0L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=72.6km s-min=28.2km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=23.0.
NEIC Event type se. After AEIC.
ISC XI 14 16 52 13.5–.47 52.03N–.10 173.53W–.04 35 4.3b,3.2s 82 0-149
ISCJB XI 14 16 52 11.8–.29 52.03N–.06 173.48W–.04 35 4.3b,3.4s **¶602058468**
IDC XI 14 16 52 11.2–4.6 52.04N 173.52W 19–28 4.4,4.3
NEIC XI 14 16 52 12.2–1.2 51.97N 173.49W 27–9 4.3b,4.0L
AEIC XI 14 16 52 12.2–.00 52.02N 173.55W 23 4.3b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.4km az=168.8.
IDC Error ellipse: s-maj=21.9km s-min=13.7km az=156.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.7km az=160.0.
AEIC Event type se.
ISC XI 14 20 24 13.3–1.3 52.2N–.30 173.5W–.10 35 4.0b 13 0-88
IDC XI 14 20 24 09.7–1.3 52.91N 175.57W 0 3.9,3.7 **¶602059953**
ISCJB XI 14 20 24 12.7–1.0 52.1N–.10 173.5W–.10 35 3.8b,3.7
NEIC XI 14 20 24 14.7–.00 52.52N 174.17W 1 2.9L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=25.4km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=8.9km az=174.9.
NEIC Event type se. After AEIC.
ISC XI 19 04 22 02.8–1.3 51.61N–.10 178.25W–.03 27–11 3.8b 36 0-86
IDC XI 19 04 21 58.2–1.8 51.83N 178.59W 0 4.1L,4.0 **¶602059992**
NEIC XI 19 04 22 02.5–.00 51.49N 178.20W 17 3.8L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=88.9km s-min=27.0km az=143.0.
NEIC Event type se. After AEIC.
ISC XI 19 06 11 43.4–.79 51.25N–.08 177.66W–.04 32 3.6b 35 1-152
IDC XI 19 06 11 38.1–.84 51.22N 177.73W 0 3.9,3.7 **¶602063191**
ISCJB XI 19 06 11 42.8–.60 51.15N–.06 177.64W–.06 32 3.6b,3.1s
NEIC XI 19 06 11 44.3–.00 51.26N 177.67W 26 3.5L,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=18.8km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=166.6.
NEIC Event type se. After AEIC.
ISC XI 19 11 13 53.6–1.6 51.34N–.07 178.17W–.03 1–10 3.7b 49 0-151
ISCJB XI 19 11 13 53.1–1.1 51.25N–.06 178.11W–.04 0–6 3.7b **¶602210389**
IDC XI 19 11 13 54.0–.74 51.43N 178.32W 0 4.0,3.8
NEIC XI 19 11 13 56.3–.00 51.48N 178.11W 10 4.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.6km az=171.8.
IDC Error ellipse: s-maj=35.6km s-min=16.9km az=156.0.
NEIC Event type se. After AEIC.
ISC XI 22 00 43 57.8–1.2 51.5N–.10 177.07W–.05 45 3.5b 23 0-58
IDC XI 22 00 43 45.7–6.0 51.42N 178.29W 0 4.2L,3.9 **¶602060011**
ISCJB XI 22 00 43 56.7–.92 51.39N–.09 177.00W–.07 45 3.5b,3.9
NEIC XI 22 00 43 58.4–.00 51.68N 177.06W 53 3.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=110.4km s-min=57.4km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.9km az=170.7.
NEIC Event type se. After AEIC.
ISC XI 25 06 46 17.9–1.7 51.35N–.08 176.12W–.05 29–13 3.8b 42 1-61
IDC XI 25 06 46 14.3–2.0 51.64N 176.21W 0 3.8,3.6 **¶602210418**
NEIC XI 25 06 46 19.0–.00 51.43N 176.03W 30 3.3L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=23.3km az=4.0.
NEIC Event type se. After AEIC.
NEIC XI 25 07 49 54.6–.00 51.42N 176.02W 26 2.7L
¶602210420
NEIC Event type se. After AEIC.
ISC XI 26 15 31 06.8–.57 51.65N–.10 179.50W–.04 79 4.4b 139 0-85
ISCJB XI 26 15 31 06.0–.26 51.72N–.06 179.49W–.03 79 4.3b **¶602311677**
AEIC XI 26 15 31 05.8–.00 51.48N 179.53W 77 4.3b
NEIC XI 26 15 31 06.7–.33 51.53N 179.52W 79–2 4.4b,4.0L
IDC XI 26 15 31 10.5–3.0 51.90N 179.56W 107–26 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=2.8km az=176.0.
AEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.2km az=181.0.
IDC Error ellipse: s-maj=21.1km s-min=11.6km az=175.0.
ISC XI 27 15 02 24.7–.73 52.3N–.20 173.42W–.06 78–6 3.9b 40 0-153
ISCJB XI 27 15 02 24.4–.47 52.4N–.20 173.46W–.09 87–4 3.8b **¶602311681**
NEIC XI 27 15 02 24.9–.00 52.02N 173.41W 65 3.7L
IDC XI 27 15 02 25.9–3.2 52.31N 173.45W 87–28 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=5.5km az=164.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=28.0km s-min=14.9km az=163.0.
ISC XI 27 17 39 47.3–.37 51.81N–.06 179.67W–.03 114–2 4.7b 654 0-150
BJI XI 27 17 39 42.1 51.83N 179.19W 104 5.0b,4.9b **¶601994860**
AEIC XI 27 17 39 46.6 51.65N 179.66W 111 4.7b,4.3L
NEIC XI 27 17 39 46.6–.00 51.65N 179.66W 111 4.7b,4.3L
ISCJB XI 27 17 39 46.6–.21 51.90N–.03 179.69W–.03 120–1 4.7b,4.3L
IDC XI 27 17 39 47.9–.54 51.93N 179.69W 116–3 4.5,4.3
MOS XI 27 17 39 47.2–1.0 51.94N 179.69W 122 4.5b,4.3
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.5km az=173.2.
IDC Error ellipse: s-maj=13.5km s-min=7.6km az=161.0.
MOS Error ellipse: s-maj=9.2km s-min=6.9km az=60.3.
ISC XI 28 05 12 00.9–.89 51.6N–.10 172.56W–.04 27 3.7b 28 1-88
IDC XI 28 05 11 56.5–.92 51.59N 172.81W 0 4.0L,3.9 **¶602311684**
ISCJB XI 28 05 11 59.2–.69 51.46N–.09 172.44W–.06 27 3.6b,3.9
NEIC XI 28 05 12 00.4–.00 51.45N 172.46W 42 3.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=18.4km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=4.6km az=170.3.
NEIC Event type se. After AEIC.
ISC XII 02 16 10 23.8–2.3 50.9N–.10 179.22W–.07 6–13 3.8b 43 1-85
IDC XII 02 16 10 22.7–.85 51.04N 179.20W 0 4.0,3.8 **¶602329945**
NEIC XII 02 16 10 26.1–.00 50.91N 179.19W 17 3.6L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=17.9km az=175.0.
NEIC Event type se. After AEIC.
NEIC XII 16 07 57 27.0–.00 51.06N 179.91W 13 2.7L
¶602355624
NEIC Event type se. After AEIC.
ISC XII 18 09 17 58.2–1.7 51.20N–.08 176.16W–.04 30–11 4.2b 116 1-83
IDC XII 18 09 17 53.2–.99 51.20N 176.13W 0 4.2,4.0 **¶602374063**
NEIC XII 18 09 17 57.6–1.1 51.19N 176.14W 26–7 4.0b,3.6L
AEIC XII 18 09 17 58.0–.00 51.17N 176.12W 42 4.0b,3.6L
ISCJB XII 18 09 17 58.3–.77 51.23N–.06 176.11W–.04 48–5 4.2b,3.6L
ISC Event type se.
NEIC Event type se.
AEIC Event type se.
ISCJB Event type se.
ISC XII 24 09 05 55.4–1.1 51.6N–.10 176.85W–.03 53–7 4.4b 194 0-152
IDC XII 24 09 05 48.2–.53 51.62N 176.89W 0 4.3,4.1L **¶602057611**
ISCJB XII 24 09 05 55.0–.34 51.63N–.05 176.87W–.03 62–2 4.4b,4.1L
NEIC XII 24 09 05 54.2–.00 51.45N 176.78W 40 4.3b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.8km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=2.9km az=167.3.
NEIC Event type se. After AEIC.
ISC XII 24 23 47 21.2–.67 52.1N–.10 176.20W–.04 117–5 4.2b 141 0-152
ISCJB XII 24 23 47 20.5–.23 52.12N–.07 176.22W–.04 120–2 4.1b **¶602058090**
AEIC XII 24 23 47 20.8–.00 52.00N 176.12W 110 4.1b
NEIC XII 24 23 47 21.6–.25 51.98N 176.17W 113–2 4.5b,4.2L
IDC XII 24 23 47 23.3–1.9 52.40N 176.27W 131–15 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=3.0km az=164.1.
AEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=2.8km az=166.0.
IDC Error ellipse: s-maj=16.1km s-min=9.2km az=158.0.
ISC XII 29 10 29 40.1–1.5 51.63N–.08 173.17W–.04 25–9 4.2b 91 1-88
IDC XII 29 10 29 36.4–.76 51.91N 173.30W 0 4.1,4.1L **¶602064901**
NEIC XII 29 10 29 40.9–.00 51.59N 173.24W 26 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=14.3km az=171.0.
NEIC Event type se. After AEIC.
ISC XII 29 18 39 24.8–3.6 50.3N–.10 176.32W–.07 5–19 3.2b 27 2-35
NEIC XII 29 18 39 23.2–.00 50.00N 176.39W 24 2.7L **¶602077264**
IDC XII 29 18 39 29.1–8.1 51.02N 176.50W 0 3.8,3.6
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=184.7km s-min=39.9km az=171.0.
ISC XII 31 21 08 53.2–2.5 51.3N–.10 179.03W–.03 10–17 3.3b 30 0-59
ISCJB XII 31 21 08 53.5–1.3 51.1N–.10 179.01W–.05 21–8 3.2b **¶602359138**
IDC XII 31 21 08 53.1–6.9 51.55N 179.00W 0 4.2L,3.7
NEIC XII 31 21 08 55.1–.00 51.23N 179.01W 26 3.4L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=4.6km az=175.5.
IDC Error ellipse: s-maj=134.4km s-min=71.8km az=97.0.
NEIC Event type se. After AEIC.

(9) Fox Islands.

ISC	**VII**	**01 00 43 05.8–1.0**	**52.9N–.10**	**168.51W–.07**	**57–9**	**3.6b**	**35**	**0-52**
IDC	VII	01 00 43 02.1–3.8	52.88N	167.64W	0	3.8,3.6		**¶601465732**
ISCJB	VII	01 00 43 04.9–.78	52.9N–.10	168.6W–.10	71–6	3.5b,3.6		
NEIC	VII	01 00 43 05.2–.00	52.71N	168.34W	42	3.5L,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=64.0km s-min=34.8km az=96.0.							
ISCJB	Event type se. Error ellipse: s-maj=22.2km s-min=6.7km az=154.4.							
NEIC	Event type se. After AEIC.							
ISC	**VII**	**02 05 49 24.3–1.6**	**53.41N–.07**	**165.39W–.04**	**9–10**	**4.3b,2.8s**	**109**	**1-68**
IDC	VII	02 05 49 21.7–1.5	53.57N	165.78W	0	4.0,3.8		**¶601479682**
ISCJB	VII	02 05 49 26.2–.82	53.45N–.04	165.23W–.04	27–6	4.2b,2.8s		
NEIC	VII	02 05 49 26.9–.00	53.43N	165.28W	26	4.2b,3.7L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.3km s-min=21.5km az=19.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=160.0.							
NEIC	Event type se. After AEIC.							
ISC	**VII**	**17 03 57 38.5–1.6**	**53.38N–.10**	**165.58W–.06**	**50–14**	**3.7b**	**35**	**1-67**
IDC	VII	17 03 57 33.9–3.1	53.93N	165.61W	0	3.7,3.5		**¶601626170**
NEIC	VII	17 03 57 36.8–.00	53.31N	165.52W	26	3.5L,3.5		
ISCJB	VII	17 03 57 37.2–.98	53.36N–.09	165.56W–.09	62–9	3.6b,3.5		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se.							
ISC	**VII**	**18 08 43 26.3–.86**	**54.03N–.10**	**165.39W–.06**	**73–7**	**3.4b**	**44**	**0-66**
IDC	VII	18 08 43 14.3–2.5	53.79N	166.23W	0	3.8,3.6		**¶601643170**
ISCJB	VII	18 08 43 25.7–.46	54.1N–.10	165.47W–.09	79–4	3.4b,3.6		
NEIC	VII	18 08 43 26.1–.00	53.95N	165.37W	65	3.7L,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.0km s-min=33.1km az=62.0.							
ISCJB	Event type se. Error ellipse: s-maj=18.7km s-min=5.1km az=154.6.							
NEIC	Event type se. After AEIC.							
ISC	**VII**	**23 00 50 03.3–.78**	**52.3N–.10**	**170.45W–.05**	**55**	**4.2b**	**96**	**1-76**
NEIC	VII	23 00 50 00.8–.00	52.24N	170.43W	28	4.1b,3.9L		**¶601465914**
ISCJB	VII	23 00 50 01.6–.29	52.32N–.05	170.57W–.04	55	4.2b,3.6s		
IDC	VII	23 00 50 06.2–6.6	52.48N	170.71W	90–61	3.9,3.9		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se. Error ellipse: s-maj=8.0km s-min=3.0km az=162.1.							
IDC	Error ellipse: s-maj=35.2km s-min=16.0km az=9.0.							
ISC	**VII**	**30 12 38 52.1–1.0**	**52.3N–.10**	**170.48W–.06**	**10**	**3.5b**	**27**	**1-53**
ISCJB	VII	30 12 38 51.2–.79	52.3N–.10	170.48W–.08	10	3.5b,2.6s		**¶601713588**
NEIC	VII	30 12 38 54.4–.00	52.42N	170.58W	26	3.6L,2.6s		
IDC	VII	30 12 39 06.4–9.4	51.76N	166.92W	0	4.0,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=19.0km s-min=4.1km az=160.7.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=163.5km s-min=38.3km az=88.0.							
ISC	**VIII**	**07 19 43 44.7–.79**	**53.4N–.20**	**170.16W–.08**	**212–8**	**3.4b**	**87**	**1-91**
IDC	VIII	07 19 43 38.8–7.3	53.47N	170.62W	143–69	3.7,3.5		**¶601713621**
NEIC	VIII	07 19 43 41.8–.00	53.24N	170.14W	224	3.3L,3.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=57.9km s-min=35.7km az=146.0.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**08 09 43 18.2–1.9**	**52.7N–.10**	**169.65W–.07**	**3–12**	**3.8b,3.0s**	**46**	**1-90**
ISCJB	VIII	08 09 43 17.3–1.1	52.64N–.10	169.67W–.08	7–7	3.8b,2.8s		**¶601717637**
IDC	VIII	08 09 43 17.3–.92	52.27N	169.75W	0	4.0,3.8b		
NEIC	VIII	08 09 43 18.3–.00	52.72N	169.63W	5	3.8L,3.8b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=17.6km s-min=3.9km az=155.1.							
IDC	Error ellipse: s-maj=34.2km s-min=17.8km az=176.0.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**10 02 22 48.3–1.3**	**53.0N–.30**	**170.9W–.10**	**207–14**	**3.4b**	**43**	**1-54**
ISCJB	VIII	10 02 22 47.6–.46	52.9N–.10	170.86W–.09	207–5	3.5b		**¶601652985**
NEIC	VIII	10 02 22 48.1–.00	52.81N	170.77W	217	3.3L		
IDC	VIII	10 02 22 58.8–10.0	53.65N	170.97W	289–124	3.7,3.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=22.9km s-min=4.3km az=160.7.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=50.3km s-min=24.6km az=152.0.							
ISC	**VIII**	**10 07 50 12.4–1.2**	**51.3N–.10**	**171.37W–.05**	**33**	**3.4b**	**26**	**2-89**
IDC	VIII	10 07 50 07.7–1.9	51.83N	172.29W	0	3.6,3.3		**¶601683821**
ISCJB	VIII	10 07 50 09.7–.93	51.23N–.09	171.32W–.06	33	3.4b,3.3		
NEIC	VIII	10 07 50 10.4–.00	51.30N	171.38W	25	2.8L,3.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=80.1km s-min=33.6km az=148.0.							
ISCJB	Event type se. Error ellipse: s-maj=13.3km s-min=4.1km az=164.5.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**10 18 37 42.9–.40**	**52.47N–.03**	**167.42W–.03**	**12–2**	**6.3s,5.9b**	**2666**	**1-160**
BJI	VIII	10 18 37 38.8	52.62N	167.49W	5	6.5s,6.4		**¶601551762**
ISCJB	VIII	10 18 37 41.4–.07	52.52N–.01	167.28W–.01	12	6.2s,5.8b		
IDC	VIII	10 18 37 41.7–.29	52.68N	167.53W	0	6.1,6.1s		
NEIC	VIII	10 18 37 43.1–.08	52.63N	167.42W	13	6.2W,6.2W		
NEIC	VIII	10 18 37 44.0–.00	52.10N	167.47W	11	6.2W,6.2W		
MOS	VIII	10 18 37 44.1–1.0	52.70N	167.49W	30	6.1s,6.0b		
GCMT	VIII	10 18 37 48.1–.10	52.39N	167.32W	13–0	6.2W,6.0b		
NEIC	VIII	10 18 38 07.6–.00	52.76N	167.58W	10	6.2W,6.0b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=2.0km s-min=1.2km az=5.3.							
IDC	Error ellipse: s-maj=9.3km s-min=6.8km az=177.0.							
NEIC	Event type se. Error ellipse: s-maj=2.2km s-min=1.5km az=174.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s11 Moment tensor: Scale 10^{18}Nm; M_{rr}1.11 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s226.00000°,δ16.00000°,λ75.00000°. NP2: ϕ_s61.00000°,δ74.00000°,λ94.00000°. Principal axes: T 2.0900,Plg60.0000°,Azm337.0000° ; N -0.1400,Plg4.0000°,Azm240.0000°; P -1.9500,Plg29.0000°,Azm148.0000° M_o2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ10.00000°,λ90.00000°. NP2:ϕ_s50.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm320.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000° ,Azm140.0000°							
NEIC	Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}1.54 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.58 $M_{r\theta}$1.37 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.85 Best double couple: NP1:ϕ_s56.00000° ,δ68.00000°,λ94.00000°. NP2:ϕ_s226.00000°,δ22.00000°,λ81.00000°. Principal axes: T 2.2300,Plg66.0000°,Azm333.0000°; N 0.0600,Plg3.0000°,Azm234.0000° ; P -2.2900,Plg22.0000°,Azm143.0000° M_o2.30000×10^{18}							
MOS	Error ellipse: s-maj=5.7km s-min=4.7km az=78.5.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c321; s150,c572; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56±.01 $M_{\theta\theta}$-0.90±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$1.41±.03; $M_{\theta\phi}$-0.86±.01; $M_{\phi r}$1.02±.03; Best double couple: NP1:ϕ_s53.00000°,δ69.00000° ,λ93.00000°. NP2:ϕ_s225.00000°,δ22.00000°,λ82.00000°. Principal axes: T 2.3260,Plg66.0000°,Azm328.0000°; N 0.0820,Plg3.0000°,Azm232.0000° ; P -2.4120,Plg24.0000°,Azm140.0000° M_o2.36900×10^{18}							
NEIC	Event type se. Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-0.54 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.44 Best double couple: NP1:ϕ_s218.00000° ,δ23.00000°,λ59.00000°. NP2:ϕ_s70.00000°,δ70.00000°,λ102.00000°. Principal axes: T 2.5100,Plg63.0000°,Azm359.0000°; N -0.0900,Plg11.0000°,Azm246.0000° ; P -2.4200,Plg24.0000°,Azm151.0000° M_o2.50000×10^{18}							
ISC	**VIII**	**10 18 43 00.0–.61**	**52.51N–.06**	**167.16W–.04**	**25**	**4.2b**	**97**	**1-79**
ISCJB	VIII	10 18 42 57.2–.43	52.32N–.05	167.10W–.05	25	4.1b		**¶601541979**
IDC	VIII	10 18 42 57.9–1.0	52.69N	167.52W	0	4.2,4.1		
NEIC	VIII	10 18 42 59.0–.00	52.37N	167.32W	26	3.6L,4.1		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=169.3.							
IDC	Error ellipse: s-maj=27.8km s-min=16.2km az=3.0.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**11 15 51 24.1–1.4**	**52.3N–.20**	**170.57W–.06**	**53–10**	**4.1b**	**75**	**1-88**
IDC	VIII	11 15 51 17.4–.91	52.50N	170.63W	0	4.3,4.1		**¶601734881**
NEIC	VIII	11 15 51 21.8–.00	52.19N	170.51W	26	4.0b,3.6L		
ISCJB	VIII	11 15 51 22.5–.63	52.3N–.10	170.60W–.07	53–4	4.1b,3.6L		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se.							
ISC	**VIII**	**11 21 41 43.3–.46**	**53.52N–.06**	**165.07W–.03**	**27**	**4.4b,3.3s**	**278**	**1-93**
IDC	VIII	11 21 41 39.3–.66	53.69N	165.23W	0	4.1,4.0		**¶601553234**
ISCJB	VIII	11 21 41 42.1–.16	53.48N–.03	165.02W–.03	27	4.3b,3.4s		
BJI	VIII	11 21 41 42.8	53.69N	164.98W	44	4.8b,4.7b		
NEIC	VIII	11 21 41 43.7–.00	53.50N	165.10W	22	4.5b,4.1L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=19.3km s-min=10.5km az=177.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=12.1.							
NEIC	Event type se. After AEIC.							
ISC	**VIII**	**12 15 44 33.0–2.6**	**52.4N–.10**	**167.41W–.08**	**12–13**	**4.1b**	**22**	**1-68**
NEIC	VIII	12 15 44 34.7–.00	52.43N	167.41W	9	2.7L		**¶601765778**
IDC	VIII	12 15 44 57.4–20	53.18N	168.08W	182–109	3.8,3.3		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=335.4km s-min=44.4km az=156.0.							
ISC	**VIII**	**20 03 59 48.7–.89**	**53.0N–.20**	**170.65W–.08**	**200**	**3.3b**	**39**	**1-54**
NEIC	VIII	20 03 59 46.1–.00	52.79N	170.56W	190	3.3L		**¶601710320**
IDC	VIII	20 03 59 58.2–11	53.76N	169.35W	193–76	3.7,3.5		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=93.0km s-min=36.7km az=64.0.							
ISC	**VIII**	**22 16 38 49.0–1.2**	**52.4N–.10**	**170.55W–.05**	**69–9**	**3.9b**	**68**	**1-153**
IDC	VIII	22 16 38 40.0–.65	52.43N	170.69W	0	4.1,3.9		**¶601685260**
ISCJB	VIII	22 16 38 47.4–.55	52.4N–.10	170.60W–.07	70–4	3.8b,3.9		
NEIC	VIII	22 16 38 48.2–.34	52.43N	170.55W	63–2	3.7L,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.5km s-min=12.8km az=165.0.							
ISCJB	Event type se. Error ellipse: s-maj=19.8km s-min=3.9km az=161.0.							
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=2.4km az=161.0.							
ISC	**VIII**	**25 12 37 30.5–.72**	**52.50N–.07**	**167.34W–.05**	**28**	**3.9b**	**47**	**1-91**
IDC	VIII	25 12 37 26.8–.98	52.59N	167.47W	0	4.0,3.9		**¶601766441**
NEIC	VIII	25 12 37 27.6–.00	52.21N	167.29W	28	3.4b,3.1L		
ISCJB	VIII	25 12 37 28.1–.56	52.30N–.05	167.36W–.06	28	3.9b,3.1L		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se.							
ISC	**VIII**	**28 08 34 32.5–.63**	**52.2N–.10**	**170.95W–.05**	**42**	**4.3b**	**93**	**1-145**
IDC	VIII	28 08 34 25.9–.74	52.13N	171.17W	0	4.2,4.0		**¶601702754**
NEIC	VIII	28 08 34 28.1–.00	51.87N	170.78W	7	4.4b,3.7L		
ISCJB	VIII	28 08 34 30.9–.34	52.10N–.07	170.92W–.04	42	4.2b,3.7L		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se.							
ISC	**VIII**	**30 11 16 02.1–.63**	**53.59N–.08**	**166.16W–.05**	**58–5**	**4.3b**	**121**	**0-145**
ISCJB	VIII	30 11 16 00.9–.43	53.51N–.06	166.17W–.07	61–5	4.2b		**¶601667533**
NEIC	VIII	30 11 16 00.7–.00	53.42N	166.08W	33	4.1b,4.0L		
IDC	VIII	30 11 16 00.1–1.2	53.81N	166.62W	55–8	3.9,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=11.8km s-min=3.3km az=149.7.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=26.9km s-min=18.3km az=162.0.							
ISC	**IX**	**04 06 21 49.8–.84**	**54.9N–.30**	**166.0W–.10**	**279–12**	**3.1b**	**36**	**1-90**
NEIC	IX	04 06 21 50.6–.00	54.29N	165.51W	295	3.6L		**¶601839156**
IDC	IX	04 06 21 57.1–5.3	55.55N	166.50W	337–61	3.7,3.3		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=28.2km s-min=14.3km az=2.0.							
ISC	**IX**	**10 09 08 38.4–.73**	**52.0N–.10**	**171.07W–.05**	**42**	**4.0b,2.9s**	**87**	**2-89**
NEIC	IX	10 09 08 35.5–.00	51.88N	170.90W	26	4.0b,3.9L		**¶601698288**
ISCJB	IX	10 09 08 36.4–.49	51.88N–.08	171.03W–.06	42	4.0b,2.9s		
IDC	IX	10 09 08 42.1–5.7	52.25N	171.13W	77–53	3.9,3.8		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se. Error ellipse: s-maj=12.0km s-min=3.2km az=160.5.							
IDC	Error ellipse: s-maj=26.8km s-min=12.3km az=174.0.							
ISC	**IX**	**11 14 57 54.0–.49**	**51.84N–.09**	**171.31W–.04**	**44**	**4.5b,3.7s**	**258**	**2-154**
IDC	IX	11 14 57 48.0–.54	51.92N	171.41W	0	4.4,4.2		**¶601705117**
MOS	IX	11 14 57 51.4–1.0	51.93N	171.45W	33	4.7b,4.2		
ISCJB	IX	11 14 57 52.8–.18	51.95N–.03	171.41W–.03	44	4.4b,3.7s		
NEIC	IX	11 14 57 53.0–.00	51.98N	171.36W	26	4.4b,4.3L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=18.5km s-min=10.4km az=170.0.							
MOS	Error ellipse: s-maj=9.4km s-min=7.2km az=67.6.							
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=2.2km az=165.7.							
NEIC	Event type se. After AEIC.							
ISC	**IX**	**11 16 42 38.0–1.3**	**52.8N–.10**	**168.35W–.06**	**45–11**	**4.6b**	**91**	**0-91**
IDC	IX	11 16 42 31.3–.99	52.70N	168.64W	0	4.0,3.8L		**¶601734482**
NEIC	IX	11 16 42 36.5–.00	52.66N	168.22W	19	4.1b,3.6L		
ISCJB	IX	11 16 42 37.8–.62	52.83N–.07	168.28W–.07	64–4	4.3b,3.6L		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type se.							
ISC	**IX**	**11 16 52 53.5–2.2**	**52.62N–.09**	**168.14W–.07**	**16–12**	**3.8b**	**62**	**1-73**
ISCJB	IX	11 16 52 52.6–1.3	52.57N–.07	168.19W–.08	28–8	4.2b		**¶601710347**
IDC	IX	11 16 52 53.4–6.6	52.82N	167.65W	0	4.0,3.7		
NEIC	IX	11 16 52 54.5–.00	52.69N	168.21W	20	3.9b,3.3L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=13.0km s-min=6.5km az=153.1.							
IDC	Error ellipse: s-maj=115.4km s-min=39.4km az=88.0.							
NEIC	Event type se. After AEIC.							
NEIC	**IX**	**11 23 27 20.9–.00**	**51.20N**	**169.02W**	**26**	**3.9L**		**¶601768481**
NEIC	Event type se. After AEIC.							
ISC	**IX**	**11 23 28 28.3–2.5**	**52.7N–.10**	**168.3W–.10**	**28–19**	**3.6b**	**27**	**0-79**
ISCJB	IX	11 23 28 26.8–1.7	52.59N–.09	168.2W–.20	30–12	3.5b,2.9s		**¶601768482**
NEIC	IX	11 23 28 28.4–.00	52.70N	168.23W	20	3.4L,2.9s		
IDC	IX	11 23 28 28.4–6.7	52.78N	167.42W	0	3.9,3.7L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=19.6km s-min=10.2km az=42.0.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=119.7km s-min=38.5km az=88.0.							
ISC	**IX**	**12 15 26 48.0–.94**	**52.0N–.10**	**169.3W–.10**	**30**	**3.7b**	**21**	**1-90**
IDC	IX	12 15 26 43.6–1.1	52.01N	169.31W	0	3.8,3.7		**¶601846432**
ISCJB	IX	12 15 26 46.4–.75	51.94N–.09	169.4W–.20	30	3.7b,3.7		
NEIC	IX	12 15 26 47.6–.00	51.96N	169.27W	29	3.2L,3.7		
ISC	Event type se.							
IDC	Error ellipse: s-maj=33.2km s-min=23.3km az=176.0.							
ISCJB	Event type se. Error ellipse: s-maj=17.4km s-min=6.5km az=40.9.							
NEIC	Event type se. After AEIC.							
ISC	**IX**	**12 17 30 38.9–1.4**	**52.2N–.20**	**169.66W–.10**	**36–3**	**3.6b**	**22**	**1-66**
NEIC	IX	12 17 30 35.3–.00	51.98N	169.42W	34	2.8L		**¶601777925**
IDC	IX	12 17 30 47.0–7.3	52.32N	169.96W	106–67	3.6,3.4		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=56.8km s-min=23.6km az=3.0.							
ISC	**IX**	**20 20 01 18.3–.99**	**53.1N–.20**	**170.39W–.08**	**125–10**	**3.5b**	**34**	**1-90**
IDC	IX	20 20 01 02.1–1.2	52.90N	171.01W	0	4.0,3.8		**¶601852854**
ISCJB	IX	20 20 01 17.2–.41	53.0N–.20	170.4W–.10	133–5	3.4b,3.8		
NEIC	IX	20 20 01 18.2–.00	52.48N	170.05W	128	3.5L,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=53.8km s-min=20.0km az=145.0.							
ISCJB	Event type se. Error ellipse: s-maj=26.8km s-min=5.2km az=160.4.							
NEIC	Event type se. After AEIC.							
ISC	**X**	**03 00 50 28.0–.67**	**53.18N–.06**	**166.74W–.03**	**42–5**	**4.5b,3.5s**	**638**	**1-154**
NEIC	X	03 00 50 27.0–.00	53.16N	166.71W	26	4.6b,4.5L		**¶601778095**
BJI	X	03 00 50 27.3	53.53N	166.99W	35	4.9b,4.8b		
IDC	X	03 00 50 27.1–2.4	53.24N	167.05W	37–17	4.1,4.1		
ISCJB	X	03 00 50 28.4–.27	53.37N–.03	166.88W–.03	70–2	4.5b,4.1		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
NEIC X 12 19 52 53.2–.00 53.06N 169.75W 153 3.1L ¶601906683
NEIC Event type se. After AEIC.
ISC X 21 09 57 53.8–1.3 53.7N–.10 165.16W–.05 55–12 3.7b 45 1-68
IDC X 21 09 57 48.5–1.4 54.01N 165.20W 0 3.9,3.7 **¶601999145**
NEIC X 21 09 57 51.8–.00 53.52N 165.06W 26 3.4L,3.7
ISCJB X 21 09 57 52.6–.69 53.63N–.08 165.13W–.08 62–7 3.8b,3.7
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
NEIC X 22 00 49 46.1–.00 52.68N 169.29W 46 3.6L ¶601999225
NEIC Event type se. After AEIC.
ISC X 22 01 27 45.3–1.1 52.8N–.10 169.21W–.07 57–8 3.4b 50 0-91
IDC X 22 01 27 37.7–.79 52.78N 169.22W 0 3.8,3.7L **¶601999229**
ISCJB X 22 01 27 44.5–.58 52.8N–.10 169.27W–.08 66–4 3.4b,3.7L
NEIC X 22 01 27 45.4–.00 53.14N 169.51W 18 3.6L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=14.7km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=4.4km az=157.9.
NEIC Event type se. After AEIC.
ISC X 24 15 11 52.6–.89 53.6N–.20 171.00W–.07 200 3.4b 30 1-90
IDC X 24 15 11 48.6–7.0 53.25N 170.97W 167–66 4.0,3.7 **¶601999499**
ISCJB X 24 15 11 52.3–.42 53.68N–.10 171.03W–.07 200 3.4b,3.7
NEIC X 24 15 11 53.6–.00 53.10N 170.74W 222 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=32.5km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=4.4km az=163.0.
NEIC Event type se. After AEIC.
ISC X 31 22 46 28.9–.53 52.1N–.10 171.43W–.04 44 4.5b,4.5s 365 2-115
IDC X 31 22 46 22.3–.70 52.18N 171.76W 0 4.6,4.4 **¶601867653**
ISCJB X 31 22 46 26.8–.19 52.25N–.04 171.52W–.04 44 4.4b,4.2s
NEIC X 31 22 46 27.0–.00 52.05N 171.43W 42 4.5b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=14.6km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.2km az=166.9.
NEIC Event type se. After AEIC.
ISC X 31 23 18 49.2–1.2 52.8N–.20 169.90W–.07 19–4 3.8b 32 1-90
IDC X 31 23 18 46.9–1.0 52.80N 169.68W 0 4.2,4.1L **¶602000670**
NEIC X 31 23 18 54.2–.00 52.69N 169.29W 36 3.8L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=21.2km az=151.0.
NEIC Event type se. After AEIC.
ISC XI 03 19 00 14.9–2.0 52.1N–.30 170.5W–.10 31 3.7b 29 1-63
IDC XI 03 19 00 10.1–4.7 52.08N 170.46W 0 3.8,3.8b **¶602051264**
NEIC XI 03 19 00 14.3–.00 51.99N 170.51W 25 3.0L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=113.9km s-min=24.8km az=151.0.
NEIC Event type se. After AEIC.
ISC XI 08 14 59 35.7–3.6 52.3N–.20 169.4W–.10 9–21 3.9b 31 1-66
IDC XI 08 14 59 23.1–2.7 54.42N 172.10W 0 4.0,3.8 **¶602051319**
ISCJB XI 08 14 59 36.6–1.7 52.3N–.10 169.5W–.10 23–12 3.5b,3.8
NEIC XI 08 14 59 38.6–.00 52.60N 169.76W 18 3.3L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=34.8km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=4.8km az=151.8.
NEIC Event type se. After AEIC.
ISC XI 10 21 47 56.8–.95 53.4N–.20 168.0W–.10 101–7 3.8b 30 0-57
ISCJB XI 10 21 47 55.9–.67 53.4N–.20 168.1W–.20 109–4 3.9b **¶601991671**
NEIC XI 10 21 47 58.0–.00 52.90N 167.46W 23 3.1L
IDC XI 10 21 47 58.0–4.8 53.68N 167.76W 90–42 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=8.0km az=150.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=47.4km s-min=22.6km az=175.0.
ISC XI 11 21 14 09.8–.75 52.0N–.10 169.59W–.06 30 3.9b 47 1-90
IDC XI 11 21 14 05.1–.89 52.05N 169.68W 0 4.1,3.9 **¶601991729**
ISCJB XI 11 21 14 07.5–.56 51.89N–.07 169.56W–.06 30 3.9b,3.9
NEIC XI 11 21 14 08.1–.00 51.89N 169.54W 33 3.4L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=16.2km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.5km az=154.7.
NEIC Event type se. After AEIC.
ISC XI 13 06 34 55.8–1.7 52.4N–.30 169.4W–.10 40 3.6b 9 11-76
IDC XI 13 06 34 50.6–1.9 52.57N 169.29W 0 4.1,4.1s **¶602389325**
ISCJB XI 13 06 34 53.5–1.6 52.4N–.30 169.4W–.20 40 4.1s,3.7b
ISC Event type ke.
ISCJB Event type ke.
NEIC XI 19 18 57 00.3–.00 52.24N 171.19W 28 3.1L ¶602059989
NEIC Event type se. After AEIC.
ISC XI 23 06 00 25.6–1.1 52.4N–.20 169.59W–.09 40 3.3b 26 1-53
IDC XI 23 06 00 19.0–2.0 52.23N 169.65W 0 3.7,3.5 **¶602056525**
ISCJB XI 23 06 00 23.7–.78 52.21N–.10 169.6W–.10 40 3.3b,3.5
NEIC XI 23 06 00 24.1–.00 52.26N 169.53W 33 3.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=28.9km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=5.5km az=148.3.
NEIC Event type se. After AEIC.
ISC XI 25 07 00 57.5–1.4 52.1N–.10 171.21W–.05 45–11 4.0b 62 2-89
NEIC XI 25 07 00 55.2–.00 51.94N 171.09W 26 3.6L **¶601994319**
ISCJB XI 25 07 00 56.6–.63 52.20N–.10 171.22W–.06 52–5 3.9b
IDC XI 25 07 00 58.2–3.5 52.23N 171.21W 49–32 3.9,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=3.9km az=163.2.
IDC Error ellipse: s-maj=22.4km s-min=12.6km az=178.0.
ISC XII 09 19 09 31.0–1.0 52.44N–.09 170.12W–.04 41–8 4.8b,3.8s 622 1-154
MOS XII 09 19 09 27.8–1.0 52.47N 170.20W 30 4.7b,3.8s **¶602032271**
AEIC XII 09 19 09 30.0 52.52N 170.17W 26 4.8b,4.4L
NEIC XII 09 19 09 30.0–.00 52.52N 170.17W 26 4.8b,4.4L
IDC XII 09 19 09 29.6–2.1 52.50N 170.34W 28–13 4.5,4.4
BJI XII 09 19 09 30.2 52.85N 170.54W 33 5.1b,4.9s
ISCJB XII 09 19 09 31.1–.37 52.61N–.04 170.19W–.03 59–3 4.7b,3.8s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC XII 16 09 17 17.6–1.0 52.73N–.06 166.96W–.03 25–6 4.7b,3.8s 820 1-159
IDC XII 16 09 17 13.5–.54 52.77N 167.13W 0 4.6,4.5 **¶602043804**
BJI XII 16 09 17 14.7 53.00N 167.17W 16 5.1b,5.0b
MOS XII 16 09 17 15.4–1.1 52.75N 167.09W 21 5.0b,5.0b
AEIC XII 16 09 17 16.9 52.62N 166.97W 23 4.6b,4.0L
NEIC XII 16 09 17 16.9–.00 52.62N 166.97W 23 4.6b,4.0L
ISCJB XII 16 09 17 17.3–.33 52.65N–.03 166.95W–.02 40–2 4.7b,3.9s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC XII 18 07 58 51.6–1.1 52.12N–.09 171.47W–.04 48–10 4.4b 224 2-150
IDC XII 18 07 58 44.6–.73 52.17N 171.58W 0 4.3,4.1b **¶602047010**
NEIC XII 18 07 58 47.9–.00 51.85N 171.31W 26 4.3b,4.2L
ISCJB XII 18 07 58 50.4–.41 52.21N–.04 171.51W–.03 49–4 4.3b,4.2L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC XII 18 08 06 35.0–.92 53.2N–.20 170.85W–.08 200 3.1b 23 1-54
IDC XII 18 08 06 09.8–8.4 52.43N 171.66W 0 3.8,3.5 **¶602355629**
ISCJB XII 18 08 06 33.8–.47 53.3N–.20 170.9W–.10 200 3.0b,3.5
NEIC XII 18 08 06 34.2–.00 52.78N 170.64W 217 3.4L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=157.3km s-min=54.7km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=26.5km s-min=4.4km az=161.9.
NEIC Event type se. After AEIC.
ISC XII 23 23 41 40.5–.80 53.19N–.08 166.77W–.05 50–6 4.2b 65 1-73
ISCJB XII 23 23 41 39.2–.56 53.22N–.07 166.83W–.07 60–6 4.1b,3.4s **¶602057929**
NEIC XII 23 23 41 39.7–.00 53.20N 166.83W 26 4.2b,3.9L
IDC XII 23 23 41 49.2–3.7 53.38N 165.27W 81–28 3.7,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=4.4km az=153.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=37.1km s-min=18.2km az=13.0.
ISC XII 27 05 14 12.4–.85 52.6N–.20 169.64W–.07 40 3.9b 51 1-90
IDC XII 27 05 14 06.9–1.0 52.77N 169.56W 0 4.1,3.9 **¶606860264**
NEIC XII 27 05 14 08.6–.00 52.35N 169.53W 7 3.7L,3.9
ISCJB XII 27 05 14 11.6–.72 52.7N–.10 169.75W–.09 40 3.9b,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC XII 28 13 04 16.2–.49 52.66N–.09 169.45W–.05 10 4.4b 307 0-154
ISCJB XII 28 13 04 14.3–.18 52.61N–.03 169.53W–.04 10 4.4b **¶602358124**
IDC XII 28 13 04 14.5–.69 52.76N 169.77W 0 4.4,4.1
NEIC XII 28 13 04 16.2–.00 52.72N 169.57W 5 4.3b,4.0L
AEIC XII 28 13 04 16.2 52.72N 169.57W 5 4.3b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.8km az=157.7.
IDC Error ellipse: s-maj=27.1km s-min=14.9km az=155.0.
NEIC Event type se. After AEIC.
ISC XII 28 14 37 39.8–1.8 52.7N–.20 169.57W–.10 12–10 3.3b 26 1-91
IDC XII 28 14 37 37.1–1.9 52.60N 169.83W 0 3.7,3.4 **¶602358123**
ISCJB XII 28 14 37 38.5–1.9 52.5N–.10 169.5W–.10 14–13 3.3b,3.4
NEIC XII 28 14 37 39.6–.00 52.82N 169.66W 3 3.4L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=30.6km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=6.1km az=145.0.
NEIC Event type se. After AEIC.
ISC XII 29 18 42 05.0–1.7 52.7N–.10 169.53W–.05 13–9 4.1b 103 1-91
IDC XII 29 18 42 02.6–.73 52.58N 169.70W 0 4.0,3.8 **¶602077265**
ISCJB XII 29 18 42 05.0–.89 52.73N–.06 169.65W–.05 24–6 4.0b,3.8
NEIC XII 29 18 42 04.9–.00 52.73N 169.53W 5 4.2b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=13.3km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.1km az=159.5.
NEIC Event type se. After AEIC.
ISC XII 30 02 54 50.7–.57 52.2N–.10 171.08W–.04 48 4.3b,3.7s 110 2-146
IDC XII 30 02 54 44.1–.71 52.23N 171.22W 0 4.2,4.1 **¶602324122**
ISCJB XII 30 02 54 49.4–.34 52.19N–.06 171.12W–.04 48 4.2b,3.7s
NEIC XII 30 02 54 49.6–.00 52.32N 171.12W 26 4.4b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=12.2km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=2.8km az=163.4.
NEIC Event type se. After AEIC.
ISC XII 31 05 18 26.1–1.6 53.64N–.10 165.05W–.05 40–22 3.9b 41 1-50
IDC XII 31 05 18 18.8–6.5 53.76N 165.59W 0 4.0,3.7 **¶602380472**
ISCJB XII 31 05 18 25.1–.84 53.61N–.09 165.01W–.09 46–15 3.6b,3.7
NEIC XII 31 05 18 25.1–.00 53.64N 165.05W 53 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=115.4km s-min=43.3km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=4.8km az=153.7.
NEIC Event type se. After AEIC.
ISC XII 31 17 23 52.0–1.2 52.7N–.30 170.1W–.20 10 3.7b 22 1-90
IDC XII 31 17 23 49.5–1.2 52.77N 170.75W 0 3.8,3.5 **¶602380505**
NEIC XII 31 17 23 58.9–.00 52.82N 169.33W 2 3.4L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=69.6km s-min=21.1km az=147.0.
NEIC Event type se. After AEIC.
ISC XII 31 17 41 44.6–2.5 52.8N–.20 169.9W–.10 6–14 3.5b 24 1-90
IDC XII 31 17 41 42.9–1.1 52.77N 170.17W 0 3.9,3.7 **¶602380506**
NEIC XII 31 17 41 47.1–.00 52.73N 169.60W 5 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=19.6km az=140.0.
NEIC Event type se. After AEIC.

(10) Unimak Island region.

ISC VII 10 09 03 57.3–1.5 53.98N–.06 163.67W–.03 10–10 3.6b 49 1-49
IDC VII 10 09 03 56.6–4.2 54.23N 163.76W 0 3.8,3.5 **¶601624999**
NEIC VII 10 09 04 00.4–.00 53.96N 163.69W 26 3.3L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=73.2km s-min=39.6km az=103.0.
NEIC Event type se. After AEIC.
ISC VII 13 02 41 36.3–.34 55.39N–.05 164.05W–.04 191–2 4.7b 1101 1-145
ISCJB VII 13 02 41 34.3–.15 55.48N–.02 164.30W–.03 194–1 4.5b **¶601271876**
BJI VII 13 02 41 35.8 56.05N 164.07W 193 4.9b,4.5b
NEIC VII 13 02 41 35.3–.14 55.48N 164.35W 185–1 4.8b,4.4L
MOS VII 13 02 41 36.4–.98 55.60N 164.12W 202 4.6b,4.4L
IDC VII 13 02 41 37.4–.48 55.63N 164.14W 196–3 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=152.7.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=147.0.
MOS Error ellipse: s-maj=8.9km s-min=6.9km az=63.0.
IDC Error ellipse: s-maj=11.4km s-min=8.1km az=2.0.
NEIC VII 15 18 50 13.8–.00 53.68N 164.29W 44 3.6L ¶601565924
NEIC Event type se. After AEIC.
ISC IX 08 07 35 33.8–1.4 53.59N–.06 164.81W–.03 14–8 4.3b 287 1-154
IDC IX 08 07 35 31.9–1.0 53.69N 164.97W 0 4.2,4.0 **¶601699571**
NEIC IX 08 07 35 35.3–.00 53.53N 164.79W 32 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=14.0km az=3.0.
NEIC Event type se. After AEIC.
ISC IX 25 15 48 45.0–.56 54.05N–.05 164.12W–.03 43–4 4.9b,3.8s 879 1-154
MOS IX 25 15 48 42.6–.99 54.13N 164.11W 35 5.1b,3.8s **¶601739657**
ISCJB IX 25 15 48 44.9–.23 54.06N–.02 164.00W–.02 60–2 4.8b,3.8s
IDC IX 25 15 48 44.8–2.5 54.08N 164.24W 40–21 4.7,4.6
BJI IX 25 15 48 45.2 54.57N 164.39W 50 5.1b,4.9b
NEIC IX 25 15 48 46.2–.23 54.11N 164.11W 55–2 4.9b,4.7L
ISC Event type fe.
MOS Error ellipse: s-maj=7.9km s-min=4.5km az=87.2.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=1.9km az=173.9.
IDC Error ellipse: s-maj=13.5km s-min=9.3km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=165.0. Felt at False Pass.
ISC X 21 00 53 17.9–2.5 53.5N–.10 163.65W–.06 22–16 4.2b 59 1-86
IDC X 21 00 53 15.4–1.4 53.64N 163.76W 0 4.2,4.1b **¶601874184**
ISCJB X 21 00 53 17.0–.86 53.34N–.06 163.52W–.07 34–6 4.1b,4.0s
NEIC X 21 00 53 17.4–.00 53.38N 163.59W 33 3.4L,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=16.5km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.2km az=153.6.
NEIC Event type se. After AEIC.
ISC X 24 06 50 47.6–.48 54.79N–.06 163.47W–.04 88–3 4.6b 710 0-155
MOS X 24 06 50 42.7–.93 54.72N 163.62W 58 4.8b **¶601844012**
BJI X 24 06 50 43.9 54.77N 163.33W 87 5.2b,4.8b
ISCJB X 24 06 50 46.8–.16 54.75N–.02 163.44W–.02 97–1 4.5b,4.8b
IDC X 24 06 50 47.0–.72 54.81N 163.61W 80–5 4.4,4.3
NEIC X 24 06 50 48.5–.00 54.38N 163.18W 68 4.7b,4.4L
ISC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=78.2.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=164.5.
IDC Error ellipse: s-maj=13.1km s-min=8.2km az=180.0.
NEIC Event type se. After AEIC.
ISC XI 27 15 00 46.2–2.4 53.6N–.10 163.20W–.05 24–15 4.2b 92 1-86

NEIC XI 27 15 00 43.7–2.1 53.53N 163.12W 16–13 4.1b,3.4L **¶602000847**
AEIC XI 27 15 00 44.7–.00 53.46N 163.15W 42 4.1b,3.4L
IDC XI 27 15 00 45.1–2.6 54.19N 163.69W 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=3.0km az=166.0.
AEIC Event type se.
IDC Error ellipse: s-maj=66.8km s-min=17.7km az=158.0.
ISC XII 06 01 01 08.5–1.8 53.80N–.07 164.27W–.04 12–12 3.5b 50 1-90
IDC XII 06 01 01 08.3–1.7 54.05N 164.40W 0 3.6,3.5 **¶602323568**
NEIC XII 06 01 01 11.3–.00 53.78N 164.30W 29 3.3L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=19.9km az=148.0.
NEIC Event type se. After AEIC.
ISC XII 07 07 05 23.3–1.3 54.0N–.10 163.94W–.06 46–18 3.7b 77 1-50
ISCJB XII 07 07 05 22.5–.64 54.05N–.08 163.98W–.09 62–7 3.6b **¶602060841**
NEIC XII 07 07 05 22.8–.00 53.99N 163.98W 25 3.6b,3.5L
IDC XII 07 07 05 25.9–8.3 54.40N 163.82W 59–59 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=3.9km az=149.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=63.7km s-min=44.5km az=69.0.
ISC XII 13 01 56 37.9–1.2 53.88N–.10 163.89W–.05 74–9 4.0b 74 1-86
IDC XII 13 01 56 36.6–3.3 54.16N 164.08W 47–29 3.9,3.8 **¶602037371**
ISCJB XII 13 01 56 37.2–.56 53.89N–.07 163.92W–.06 82–4 3.8b,3.8
NEIC XII 13 01 56 38.1–.00 53.73N 163.81W 33 3.6L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=16.7km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=3.5km az=155.8.
NEIC Event type se. After AEIC.
ISC XII 15 00 40 42.0–.64 55.54N–.09 163.64W–.05 174–7 4.1b 110 1-92
IDC XII 15 00 40 37.3–4.4 55.56N 163.98W 134–36 3.8,3.7 **¶602043631**
ISCJB XII 15 00 40 41.1–.22 55.52N–.04 163.75W–.06 180–2 4.1b,3.7
NEIC XII 15 00 40 43.4–.00 55.06N 163.37W 187 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=17.8km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=142.6.
NEIC Event type se. After AEIC.
ISC XII 30 22 03 50.2–3.5 53.52N–.07 164.91W–.04 9–24 3.6b 38 1-50
IDC XII 30 22 03 49.6–1.6 53.69N 164.98W 0 4.0,3.7 **¶602380912**
NEIC XII 30 22 03 53.8–.00 53.68N 165.07W 55 3.6L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=32.4km s-min=26.0km az=176.0.
NEIC Event type fe. Felt at Akutan. After AEIC.

(12) Alaska Peninsula.

ISC VII 08 06 56 23.3–.99 54.3N–.10 161.35W–.05 23 4.0b 38 1-81
ISCJB VII 08 06 56 21.5–.67 54.21N–.07 161.18W–.06 23 3.7b **¶601562086**
IDC VII 08 06 56 21.0–2.6 54.53N 161.75W 0 3.8,3.8b
NEIC VII 08 06 56 26.5–.00 54.52N 161.49W 33 3.3L,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.0km az=158.2.
IDC Error ellipse: s-maj=67.3km s-min=18.3km az=155.0.
NEIC Event type se. After AEIC.
ISC VIII 01 01 11 48.6–.99 54.9N–.10 160.62W–.08 86 4.0b 75 0-84
ISCJB VIII 01 01 11 47.3–.60 54.78N–.09 160.47W–.09 86 3.8b **¶601706345**
IDC VIII 01 01 11 48.8–5.5 55.25N 161.01W 66–41 4.0,3.8
NEIC VIII 01 01 11 49.9–.00 55.01N 160.79W 86 3.4L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=2.7km az=151.0.
IDC Error ellipse: s-maj=82.9km s-min=39.7km az=158.0.
NEIC Event type se. After AEIC.
ISC VIII 03 14 58 01.0–.33 57.17N–.04 157.65W–.03 10 4.7b,4.0s 636 0-162
BJI VIII 03 14 57 58.7 57.22N 157.64W 12 5.1b,4.9s **¶601518026**
ISCJB VIII 03 14 57 59.5–.12 57.19N–.02 157.65W–.03 10 4.6b,4.0s
NEIC VIII 03 14 57 59.9–.00 57.15N 157.67W 2 4.7L,4.7b
GCMT VIII 03 14 58 03.9–.40 57.22N–.02 157.75W–.06 12 4.8W,4.7b
IDC VIII 03 14 58 04.7–3.6 57.28N 157.72W 28–25 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=147.0.
NEIC Event type se. After AEIC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c21; s66,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.07 $M_{\theta\theta}$-1.58±.06; $M_{\phi\phi}$0.02±.06; $M_{r\theta}$0.25±.23; $M_{\theta\phi}$-0.82±.06; $M_{\phi r}$-0.89±.27; Best double couple: NP1:ϕ_s222.00000°,δ53.00000°,λ54.00000°. NP2:ϕ_s93.00000°,δ50.00000°,λ129.00000°. Principal axes: T 2.0580,Plg62.0000° ,Azm70.0000°; N -0.1240,Plg28.0000°,Azm245.0000°; P -1.9280,Plg2.0000°,Azm336.0000° $M_0$1.99300×10^{16}
IDC Error ellipse: s-maj=16.2km s-min=9.6km az=17.0.
NEIC VIII 03 14 59 04.5–.00 57.11N 157.72W 9 3.6L
¶601706359
NEIC Event type se. After AEIC.
ISC VIII 03 15 01 44.3–1.1 57.14N–.04 157.65W–.04 16–7 4.2b 121 0-159
ISCJB VIII 03 15 01 44.1–.47 57.21N–.03 157.81W–.04 24–4 4.0b **¶601518027**
NEIC VIII 03 15 01 44.0–.00 57.13N 157.68W 13 4.2L
IDC VIII 03 15 01 47.9–3.8 57.36N 157.66W 36–32 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=148.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=17.4km s-min=10.3km az=13.0.
ISC VIII 03 19 02 53.9–1.1 57.15N–.03 157.63W–.03 9–7 4.5b,3.6s 653 0-162
ISCJB VIII 03 19 02 52.5–.12 57.25N–.02 157.70W–.03 10 4.5b,3.6s **¶601518040**
NEIC VIII 03 19 02 53.3–.00 57.14N 157.58W 3 4.6b,4.3L
IDC VIII 03 19 02 59.6–1.6 57.35N 157.66W 49–15 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=153.3.
NEIC Event type fe. Felt at Pilot Point. After AEIC.
IDC Error ellipse: s-maj=13.9km s-min=8.5km az=15.0.
ISC VIII 04 13 40 54.1–1.2 57.17N–.04 157.67W–.04 4–8 3.9b 108 0-162
ISCJB VIII 04 13 40 53.3–.63 57.25N–.03 157.79W–.05 6–5 4.0s,3.9b **¶601518151**
IDC VIII 04 13 40 53.5–.72 57.27N 157.82W 0 4.1,3.9
NEIC VIII 04 13 40 54.0–.00 57.14N 157.63W 5 4.0L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=2.9km az=138.3.
IDC Error ellipse: s-maj=23.0km s-min=14.8km az=16.0.
NEIC Event type se. After AEIC.
NEIC VIII 04 14 19 31.9–.00 57.18N 157.76W 5 3.5L
¶601706375
NEIC Event type se. After AEIC.
NEIC VIII 04 20 39 10.0–.00 57.11N 157.64W 4 3.1L
¶601717628
NEIC Event type se. After AEIC.
ISC VIII 08 14 05 17.8–.39 54.83N–.05 161.25W–.03 46–2 5.4b,4.2s 1781 0-163
MOS VIII 08 14 05 14.5–.89 54.94N 161.23W 28 5.5b,4.1s **¶601532049**
BJI VIII 08 14 05 15.1 55.00N 161.20W 56 5.0b,5.0b
IDC VIII 08 14 05 17.9–.52 54.90N 161.29W 43–4 5.0,5.0L
NEIC VIII 08 14 05 17.9–.09 54.88N 161.21W 43 5.6b,5.4L
ISCJB VIII 08 14 05 17.7–.21 54.92N–.02 161.15W–.02 57–1 5.4b,4.2s
GCMT VIII 08 14 05 19.9–.20 54.75N–.02 161.11W–.02 51–2 5.1W,4.2s
ISC Event type fe.
NEIC Event type fe. Felt at King Cove and Sand Point. Moment Tensor Solution. s19
Moment tensor: Scale 10^{16}Nm; M_{rr}4.01 $M_{\theta\theta}$-6.05 $M_{\phi\phi}$2.04 $M_{r\theta}$-2.07 $M_{\theta\phi}$2.99 $M_{\phi r}$-2.94 Best double couple: NP1:ϕ_s141.00000°,δ52.00000°,λ144.00000°. NP2:ϕ_s255.00000° ,δ62.00000°,λ43.00000°. Principal axes: T 7.0400,Plg49.0000°,Azm113.0000° ; N 0.1100,Plg40.0000°,Azm281.0000°; P -7.1500,Plg6.0000°,Azm16.0000° $M_0$7.10000×10^{16}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c65; s102,c165;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.94±.21 $M_{\theta\theta}$-4.48±.18; $M_{\phi\phi}$2.54±.15; $M_{r\theta}$1.69±.19; $M_{\theta\phi}$3.22±.13; $M_{\phi r}$-3.68±.15; Best double couple: NP1:ϕ_s149.00000°,δ78.00000°,λ136.00000°. NP2:ϕ_s251.00000°,δ47.00000°,λ16.00000°. Principal axes: T 6.0980,Plg39.0000° ,Azm100.0000°; N 0.6960,Plg45.0000°,Azm318.0000°; P -6.7940,Plg20.0000° ,Azm207.0000° $M_0$6.44600×10^{16}
ISC VIII 11 20 45 03.0–.57 55.62N–.07 158.36W–.04 33 4.1b 120 1-153
IDC VIII 11 20 44 57.9–.91 55.67N 158.47W 0 4.1,4.0L **¶601565571**
ISCJB VIII 11 20 45 01.2–.37 55.63N–.05 158.24W–.06 33 4.0b,3.5s
NEIC VIII 11 20 45 03.8–.00 55.60N 158.30W 26 3.8L,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=15.6km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=2.7km az=150.8.
NEIC Event type fe. Felt at Chignik. After AEIC.
ISC VIII 13 03 46 19.8–1.1 57.86N–.03 155.62W–.03 6–8 3.7b 75 0-65
IDC VIII 13 03 46 17.9–1.1 57.32N 155.59W 0 3.8,3.6 **¶601710299**
ISCJB VIII 13 03 46 19.9–.62 57.89N–.03 155.64W–.05 14–4 3.6b,3.6
NEIC VIII 13 03 46 20.8–.00 57.87N 155.65W 9 3.8L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=11.2km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=136.3.
NEIC Event type se. After AEIC.
ISC VIII 16 00 50 14.7–.60 59.00N–.04 154.52W–.04 143–5 3.9b 192 0-149
ISCJB VIII 16 00 50 13.5–.15 58.98N–.02 154.57W–.04 148–2 3.8b **¶601710317**
IDC VIII 16 00 50 14.3–1.5 59.26N 154.60W 127–15 4.0,3.7
NEIC VIII 16 00 50 16.2–.00 58.93N 154.48W 135 4.3L,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.1km az=139.7.
IDC Error ellipse: s-maj=15.2km s-min=13.2km az=179.0.
NEIC Event type se. After AEIC.
ISC VIII 26 06 43 25.2–.59 55.60N–.07 162.63W–.04 150–5 4.2b 460 0-152
ISCJB VIII 26 06 43 24.3–.16 55.67N–.03 162.76W–.04 160–1 4.2b **¶601626455**
IDC VIII 26 06 43 24.5–2.3 55.66N 162.84W 143–21 4.0,3.8
NEIC VIII 26 06 43 26.6–.00 55.23N 162.33W 157 4.3b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.5km az=147.8.
IDC Error ellipse: s-maj=13.8km s-min=7.8km az=2.0.
NEIC Event type se. After AEIC.
ISC IX 07 05 01 50.4–.71 55.96N–.07 157.81W–.04 57–5 3.6b 57 0-84
ISCJB IX 07 05 01 50.2–.47 56.00N–.06 157.88W–.07 76–5 3.5b **¶601736740**
NEIC IX 07 05 01 51.9–.00 55.92N 157.77W 39 3.2L
IDC IX 07 05 01 52.1–4.2 56.43N 157.95W 64–34 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=4.2km az=149.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=31.1km s-min=18.1km az=30.0.
ISC IX 09 21 41 12.1–1.0 56.67N–.06 155.42W–.04 57–10 3.6b 44 1-74
IDC IX 09 21 41 02.9–1.5 56.37N 156.26W 0 3.8,3.6b **¶601842067**
ISCJB IX 09 21 41 10.8–.48 56.66N–.05 155.42W–.06 67–5 3.6b,3.6b
NEIC IX 09 21 41 11.6–.00 56.61N 155.37W 74 3.2L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=22.7km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.1km az=160.1.
NEIC Event type se. After AEIC.
ISC IX 14 13 32 24.8–1.5 54.50N–.10 161.13W–.05 44–15 4.0b 36 1-75
IDC IX 14 13 32 18.3–1.6 54.36N 161.44W 0 3.9b,3.8 **¶601842074**
ISCJB IX 14 13 32 24.0–.96 54.45N–.09 161.12W–.08 56–9 3.9b,3.8
NEIC IX 14 13 32 24.6–.00 54.48N 161.19W 32 3.5L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=21.2km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=5.0km az=155.1.
NEIC Event type se. After AEIC.
ISC IX 16 00 13 12.9–.86 55.08N–.08 157.19W–.05 35 3.5b 31 1-85
IDC IX 16 00 13 07.6–1.4 54.76N 157.59W 0 3.8,3.5 **¶601842081**
ISCJB IX 16 00 13 09.8–.78 54.94N–.07 157.10W–.07 33 3.5b,3.5
NEIC IX 16 00 13 09.2–.00 54.93N 157.11W 35 3.2L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=26.9km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.6km az=158.9.
NEIC Event type se. After AEIC.
ISC X 01 11 57 46.7–.72 58.77N–.05 154.81W–.05 139–6 3.7b 85 0-65
ISCJB X 01 11 57 45.6–.35 58.72N–.03 154.87W–.07 141–3 3.8b **¶601901403**
IDC X 01 11 57 45.3–1.9 58.91N 155.05W 108–31 3.9,3.6b
NEIC X 01 11 57 48.2–.00 58.67N 154.79W 133 3.3L,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.8km az=36.9.
IDC Error ellipse: s-maj=30.8km s-min=16.1km az=109.0.
NEIC Event type se. After AEIC.
ISC X 20 14 07 46.6–.72 56.49N–.08 159.26W–.07 144–6 3.8b 56 0-81
ISCJB X 20 14 07 45.6–.37 56.38N–.08 159.1W–.10 155–4 3.6b **¶601999051**
IDC X 20 14 07 47.0–2.4 56.81N 159.29W 132–22 3.8,3.5
NEIC X 20 14 07 48.2–.00 56.35N 159.10W 143 3.3L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=4.2km az=144.7.
IDC Error ellipse: s-maj=28.0km s-min=18.6km az=174.0.
NEIC Event type se. After AEIC.
ISC X 22 08 19 12.6–.50 58.25N–.03 155.16W–.03 10 4.2b,3.5s 124 0-83
NEIC X 22 08 19 10.8–.00 58.25N 155.14W 6 4.4b,4.1W **¶601841789**
ISCJB X 22 08 19 11.2–.21 58.27N–.02 155.22W–.04 10 4.3b,3.3s
IDC X 22 08 19 11.6–.96 58.38N 155.14W 0 4.2,4.0
ISC Event type se.
NEIC Event type se. After AEIC. Moment Tensor Solution. s9 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.53 $M_{\theta\theta}$0.63 $M_{\phi\phi}$0.90 $M_{r\theta}$0.07 $M_{\theta\phi}$0.71 $M_{\phi r}$0.33 Best double couple: NP1:ϕ_s214.00000° ,δ51.00000°,λ-97.00000°. NP2:ϕ_s45.00000°,δ40.00000°,λ-81.00000°. Principal axes: T 1.5200,Plg6.0000°,Azm309.0000°; N 0.0600,Plg6.0000°,Azm218.0000° ; P -1.5800,Plg82.0000°,Azm84.0000° $M_0$1.60000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=40.3.
IDC Error ellipse: s-maj=37.1km s-min=13.5km az=25.0.
ISC X 28 22 12 55.9–1.5 55.15N–.07 157.37W–.05 20–5 4.0b 54 1-85
IDC X 28 22 12 52.7–.86 55.05N 157.68W 0 4.2,3.9 **¶602000157**
NEIC X 28 22 12 55.2–.00 54.95N 157.25W 10 3.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=16.1km az=177.0.
NEIC Event type se. After AEIC.
ISC XI 21 23 30 09.5–.61 54.52N–.08 160.81W–.04 22 4.2b 106 1-85
BJI XI 21 23 30 05.0 54.30N 160.80W 23 4.4b **¶601993555**
IDC XI 21 23 30 06.7–.85 54.70N 160.99W 0 4.3s,4.3
ISCJB XI 21 23 30 07.0–.42 54.38N–.05 160.60W–.05 22 4.2s,4.0b
AEIC XI 21 23 30 11.7–.00 54.56N 160.87W 10 4.2s,4.0b
NEIC XI 21 23 30 12.1–.51 54.60N 160.84W 42–3 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=12.4km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=2.9km az=159.0.
AEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.8km az=158.0.
ISC XII 01 08 00 56.7–.23 58.54N–.03 154.30W–.02 93–1 5.6b 2265 0-162
BJI XII 01 08 00 55.6 58.69N 154.83W 95 5.6b,5.5b **¶601995587**
MOS XII 01 08 00 55.4–.83 58.66N 154.44W 92 5.6b,5.5b
ISCJB XII 01 08 00 56.0–.16 58.65N–.01 154.39W–.02 98–1 5.5b,5.5b
IDC XII 01 08 00 57.0–.40 58.69N 154.41W 91–3 5.6,5.3
NEIC XII 01 08 00 57.0–.00 58.43N 153.80W 100 5.6,5.3
GCMT XII 01 08 00 57.9–.10 58.51N–.01 154.21W–.01 107–1 5.4W,5.3
AEIC XII 01 08 00 57.9 58.42N 154.12W 92 5.5b,5.4W
NEIC XII 01 08 00 57.9–.00 58.42N 154.12W 92 5.5L,5.5b
ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=3.4km az=92.9.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=17.7.
IDC Error ellipse: s-maj=8.7km s-min=6.0km az=19.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ80.00000° ,λ52.00000°. NP2:ϕ_s317.00000°,δ39.00000°,λ164.00000°. Principal axes: T 1.1300,Plg42.0000°,Azm293.0000°; N 0.0500,Plg37.0000°,Azm66.0000° ; P -1.1800,Plg25.0000°,Azm177.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c191; s131,c252;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.02 $M_{\theta\theta}$-0.76±.03; $M_{\phi\phi}$0.56±.03; $M_{r\theta}$1.01±.02; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$0.77±.01; Best double couple: NP1:ϕ_s65.00000°,δ85.00000°,λ54.00000°. NP2:ϕ_s328.00000°,δ36.00000°,λ172.00000°. Principal axes: T 1.6770,Plg39.0000°

,Azm303.0000°; N -0.2700,Plg36.0000°,Azm68.0000°; P -1.4070,Plg31.0000°
,Azm184.0000° $M_0$1.54200×10^{17}
NEIC Event type fe. Felt [III] at Anchorage, Eagle River and Homer and [II] at Kodiak. Also felt at Anchor Point, Chugiak, Egegik, Elemendorf AFB, Girdwood, King Salmon, Naknek, Ninilchik, Palmer and Soldotna. After AEIC. Moment Tensor Solution. Best double couple: NP1: ϕ_s329.00000°,δ29.00000°,λ179.00000°. NP2:ϕ_s59.00000°,δ90.00000°,λ61.00000°. Principal axes: T 1.5500,Plg39.0000°,Azm303.0000°; N -0.3000,Plg29.0000°,Azm59.0000°; P -1.2500,Plg38.0000°,Azm175.0000°

ISC	**XII**	**01 16 58 53.9–1.1**	**56.28N–.07**	**157.03W–.05**	**57–9**	**4.4b**	**163**	**1-152**
BJI	XII	01 16 58 43.4	56.10N	157.10W	6	5.2b,4.8b		**¶601995664**
ISCJB	XII	01 16 58 52.6–.40	56.26N–.04	157.07W–.06	61–3	4.3b,4.8b		
IDC	XII	01 16 58 52.7–2.7	56.39N	157.33W	41–23	4.5L,4.3		
NEIC	XII	01 16 58 54.4–.00	56.13N	157.07W	26	4.1L,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.2km az=148.7.
IDC Error ellipse: s-maj=19.6km s-min=10.6km az=8.0.
NEIC Event type se. After AEIC.

ISC	**XII**	**04 17 27 54.3–.69**	**58.76N–.05**	**155.27W–.05**	**144–7**	**3.6b**	**168**	**0-65**
IDC	XII	04 17 27 52.4–1.5	58.88N	155.39W	114–13	3.7,3.6		**¶601996047**
ISCJB	XII	04 17 27 53.4–.20	58.77N–.03	155.27W–.05	150–2	3.5b,3.6		
NEIC	XII	04 17 27 56.5–.00	58.66N	155.05W	137	3.4L,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=13.6km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.6km az=139.8.
NEIC Event type fe. Felt at Kenai and Kodiak. After AEIC.

ISC	**XII**	**15 15 37 36.2–.00**	**58.94N–.04**	**154.34W–.07**	**129–9**		**43**	**0-55**
ISCJB	XII	15 15 37 35.2–.54	58.92N–.04	154.3W–.10	134–5	3.4b		**¶602355619**
IDC	XII	15 15 37 35.5–2.0	59.14N	154.40W	102–30	3.5,3.3		
NEIC	XII	15 15 37 37.4–.00	58.91N	154.39W	124	2.7L,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.6km az=16.3.
IDC Error ellipse: s-maj=33.5km s-min=15.5km az=103.0.
NEIC Event type se. After AEIC.

ISC	**XII**	**20 11 43 11.8–1.5**	**54.5N–.10**	**161.54W–.07**	**49–12**	**3.9b**	**55**	**1-145**
IDC	XII	20 11 43 06.2–2.4	54.56N	161.84W	0	3.9b,3.9		**¶602374079**
ISCJB	XII	20 11 43 10.1–.93	54.46N–.10	161.39W–.08	56–6	3.8b,3.5s		
NEIC	XII	20 11 43 11.8–.00	54.50N	161.51W	37	3.2L,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=63.6km s-min=17.3km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=4.1km az=156.8.
NEIC Event type se. After AEIC.

(13) Kodiak Island region.

ISC	**VII**	**20 18 54 11.6–.38**	**56.55N–.04**	**153.42W–.03**	**20–3**	**5.2b,4.3s**	**1401**	**0-166**
BJI	VII	20 18 54 06.0	56.50N	153.40W	10	5.3b,5.2b		**¶601453725**
MOS	VII	20 18 54 08.5–.81	56.57N	153.66W	10	5.5b,4.3s		
IDC	VII	20 18 54 08.4–.37	56.51N	153.63W	0	5.1,5.1b		
ISCJB	VII	20 18 54 08.8–.08	56.62N–.01	153.48W–.02	10	5.1b,4.4s		
NEIC	VII	20 18 54 11.9–.27	56.60N	153.54W	21–2	5.1b,5.0L		
GCMT	VII	20 18 54 11.9–.30	56.16N	153.18W	31–1	5.0W,5.0L		

ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=4.0km az=95.5.
IDC Error ellipse: s-maj=10.3km s-min=8.4km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=21.3.
NEIC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=191.0.
GCMT Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s46,c61; s74,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.57±.16 $M_{\theta\theta}$-1.77±.12; $M_{\phi\phi}$-0.80±.10; $M_{r\theta}$1.98±.18; $M_{\theta\phi}$-1.16±.07; $M_{\phi r}$1.51±.14; Best double couple: NP1:ϕ_s54.00000°,δ67.00000°,λ88.00000°. NP2:ϕ_s239.00000°,δ23.00000°,λ95.00000°. Principal axes: T 3.5850,Plg68.0000°,Azm320.0000°; N -0.0330,Plg2.0000°,Azm55.0000°; P -3.5520,Plg22.0000°,Azm145.0000° $M_0$3.56900×10^{16}

ISC	**VII**	**20 19 18 46.8–1.1**	**56.57N–.06**	**153.40W–.05**	**20**		**77**	**0-31**
NEIC	VII	20 19 18 48.6–.00	56.36N	153.33W	6	3.2L		**¶601456428**
IDC	VII	20 19 18 55.5–7.5	56.50N	151.34W	0	3.6,3.3b		

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=124.2km s-min=30.7km az=75.0.

ISC	**VII**	**21 19 36 29.1–1.0**	**56.45N–.07**	**152.74W–.05**	**20**	**4.0b**	**55**	**1-67**
IDC	VII	21 19 36 21.1–4.3	55.55N	152.19W	0	3.9,3.9b		**¶601468500**
ISCJB	VII	21 19 36 27.2–.69	56.44N–.06	152.43W–.09	20	3.9b,3.9b		
NEIC	VII	21 19 36 33.3–.00	56.56N	153.06W	20	2.9L,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=102.2km s-min=34.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.2km az=141.5.
NEIC Event type se. After AEIC.

ISC	**VII**	**24 06 05 38.4–.52**	**56.35N–.06**	**152.94W–.04**	**22**	**4.4b,3.6s**	**124**	**1-84**
IDC	VII	24 06 05 35.3–.71	56.33N	153.07W	0	4.4,4.2		**¶601506045**
ISCJB	VII	24 06 05 36.9–.37	56.38N–.04	152.75W–.04	22	4.2b,3.5s		
NEIC	VII	24 06 05 39.1–.00	56.22N	152.93W	4	4.3b,4.0L		

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.7km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.4km az=170.7.
NEIC Event type se. After AEIC.

ISC	**VIII**	**12 07 33 11.1–.71**	**56.46N–.06**	**152.81W–.05**	**22**	**3.8b**	**70**	**1-67**
IDC	VIII	12 07 33 07.8–.84	56.40N	152.93W	0	3.9,3.8		**¶601734904**
ISCJB	VIII	12 07 33 08.5–.46	56.39N–.04	152.64W–.06	22	3.8b,3.8		
NEIC	VIII	12 07 33 11.7–.00	56.46N	152.84W	10	3.3L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=13.7km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=152.5.
NEIC Event type se. After AEIC.

ISC	**VIII**	**31 03 31 51.4–.78**	**57.73N–.03**	**154.07W–.03**	**58–7**	**3.9b**	**136**	**1-151**
ISCJB	VIII	31 03 31 49.8–.24	57.68N–.02	154.03W–.04	70–3	3.7b		**¶601683839**
IDC	VIII	31 03 31 50.5–2.1	57.93N	154.29W	42–18	3.8,3.8		
NEIC	VIII	31 03 31 52.5–.00	57.73N	154.12W	38	3.5L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=146.7.
IDC Error ellipse: s-maj=23.4km s-min=13.5km az=47.0.
NEIC Event type fe. Felt at Kodiak. After AEIC.

ISC	**IX**	**04 00 11 30.8–.64**	**58.51N–.03**	**153.73W–.03**	**75–5**	**4.6b**	**430**	**0-150**
IDC	IX	04 00 11 28.8–.91	58.60N	153.94W	53–9	4.5,4.4		**¶601673037**
MOS	IX	04 00 11 28.1–.91	58.55N	153.98W	62	5.0b,4.4		
ISCJB	IX	04 00 11 29.9–.17	58.61N–.02	153.84W–.03	75–1	4.4b,4.4		
NEIC	IX	04 00 11 31.8–.00	58.46N	153.65W	61	4.6W,4.5L		

ISC Event type se.
IDC Error ellipse: s-maj=10.8km s-min=7.7km az=39.0.
MOS Error ellipse: s-maj=10.9km s-min=4.5km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=148.5.
NEIC Event type se. After AEIC. Moment Tensor Solution. Best double couple: NP1:ϕ_s343.00000°,δ70.00000°,λ173.00000°. NP2:ϕ_s76.00000°,δ83.00000°,λ20.00000°. Principal axes: T 1.0400,Plg19.0000°,Azm301.0000°; N -0.0900,Plg69.0000°,Azm94.0000°; P -0.9500,Plg9.0000°,Azm208.0000°

ISC	**IX**	**11 03 39 55.0–1.0**	**57.01N–.05**	**155.00W–.04**	**58–10**	**4.1b**	**41**	**1-70**
IDC	IX	11 03 39 44.1–1.8	56.27N	155.68W	0	4.0,3.9b		**¶601842069**
ISCJB	IX	11 03 39 54.3–.52	56.99N–.05	155.04W–.07	70–5	3.9b,3.9b		
NEIC	IX	11 03 39 56.3–.00	56.99N	155.09W	45	3.1L,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=25.8km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.3km az=165.5.
NEIC Event type se. After AEIC.

ISC	**IX**	**18 01 44 49.7–.23**	**57.02N–.03**	**154.28W–.02**	**37–0**	**5.4b,4.6s**	**2037**	**0-166**
GCMT	IX	18 01 44 48.4–.20	56.85N–.02	154.39W–.02	30–0	5.2W,4.6s		**¶601725184**
ISCJB	IX	18 01 44 48.5–.22	57.13N–.01	154.25W–.02	35–1	5.4b,4.7s		
BJI	IX	18 01 44 48.0	57.10N	154.30W	53	5.5b,5.3b		
MOS	IX	18 01 44 48.0–.82	57.14N	154.45W	35	5.6b,4.7s		
NEIC	IX	18 01 44 50.4–.00	56.94N	154.14W	39	5.5b,5.1L		
IDC	IX	18 01 44 50.0–.37	57.08N	154.47W	37–2	5.2,5.1		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c116; s108,c186;Duration: 1ş0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.20 $M_{\theta\theta}$-2.82±.16; $M_{\phi\phi}$6.18±.14; $M_{r\theta}$3.83±.28; $M_{\theta\phi}$2.56±.11; $M_{\phi r}$4.40±.22; Best double couple: NP1:ϕ_s223.00000°,δ74.00000°,λ-60.00000°. NP2:ϕ_s338.00000°,δ33.00000°,λ-151.00000°. Principal axes: T 9.1420,Plg24.0000°,Azm290.0000°; N -2.0060,Plg29.0000°,Azm34.0000°; P -7.1460,Plg51.0000°,Azm167.0000° $M_0$8.14400×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=19.2.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=91.1.
NEIC Event type fe. Felt [II] at Kodiak. After AEIC. Moment Tensor Solution. s31 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40 $M_{\theta\theta}$-4.23 $M_{\phi\phi}$4.62 $M_{r\theta}$-1.86 $M_{\theta\phi}$0.98 $M_{\phi r}$1.86 Best double couple: NP1:ϕ_s50.00000°,δ60.00000°,λ-5.00000°. NP2:ϕ_s142.00000°,δ86.00000°,λ-150.00000°. Principal axes: T 5.2500,Plg18.0000°,Azm272.0000°; N 0.0000,Plg60.0000°,Azm150.0000°; P -5.2500,Plg24.0000°,Azm10.0000° $M_0$5.30000×10^{16}

IDC Error ellipse: s-maj=11.7km s-min=7.0km az=6.0.

ISC	**IX**	**20 07 31 29.3–.67**	**57.01N–.04**	**154.17W–.04**	**32–5**	**3.9b**	**58**	**0-64**
NEIC	IX	20 07 31 29.8–.00	56.93N	154.11W	45	3.3L		**¶601851693**
IDC	IX	20 07 31 30.4–1.1	57.25N	154.21W	33–6	3.8,3.8		

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=22.2km s-min=11.8km az=177.0.

ISC	**X**	**01 04 05 50.9–.75**	**56.44N–.07**	**152.16W–.05**	**21–5**	**4.1b**	**112**	**1-81**
IDC	X	01 04 05 44.9–1.9	55.87N	152.34W	0	4.2,4.0		**¶601775509**
NEIC	X	01 04 05 52.4–.00	56.46N	152.16W	26	3.9L,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=22.5km az=164.0.
NEIC Event type se. After AEIC.

ISC	**X**	**03 03 31 05.5–.69**	**57.28N–.05**	**154.84W–.04**	**63–6**	**3.8b**	**75**	**1-74**
ISCJB	X	03 03 31 03.6–.35	57.26N–.03	154.80W–.05	71–3	3.6b		**¶601874830**
NEIC	X	03 03 31 05.5–.00	57.25N	154.84W	48	3.3L		
IDC	X	03 03 31 05.9–1.1	57.54N	154.99W	57–10	3.7,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=164.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=18.0km s-min=10.5km az=175.0.

ISC	**XI**	**10 09 41 28.9–.75**	**58.61N–.04**	**153.11W–.04**	**69–7**	**3.8b**	**159**	**0-150**
IDC	XI	10 09 41 28.0–1.3	58.74N	153.20W	52–16	4.2L,4.0		**¶602051349**
ISCJB	XI	10 09 41 28.2–.19	58.59N–.02	153.10W–.04	83–3	3.8b,4.0		
NEIC	XI	10 09 41 30.7–.00	58.59N	153.15W	60	3.7L,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=11.2km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=137.1.
NEIC Event type se. After AEIC.

ISC	**XI**	**10 11 54 46.7–.93**	**56.17N–.08**	**152.68W–.05**	**35**		**53**	**1-61**
IDC	XI	10 11 54 40.9–1.4	55.78N	153.43W	0	3.8,3.6L		**¶602051352**
ISCJB	XI	10 11 54 43.2–.65	56.05N–.05	152.51W–.06	33	3.8,3.6L		
NEIC	XI	10 11 54 45.7–.00	56.13N	152.72W	14	3.5L,3.6L		

ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=22.1km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=171.2.
NEIC Event type se. After AEIC.

NEIC	**XI**	**12 22 43 56.0–.00**	**56.14N**	**152.70W**	**26**	**2.7L**		**¶602056150**

NEIC Event type se. After AEIC.

ISC	**XI**	**17 08 56 41.1–.69**	**56.22N–.07**	**152.63W–.06**	**35**	**3.7b**	**89**	**1-81**
IDC	XI	17 08 56 36.4–.83	56.24N	152.68W	0	3.9,3.8		**¶602056167**
ISCJB	XI	17 08 56 38.1–.43	56.22N–.03	152.52W–.05	33	3.7b,3.8		
NEIC	XI	17 08 56 38.3–.00	56.08N	152.66W	24	3.6L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.9km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=171.3.
NEIC Event type se. After AEIC.

ISC	**XII**	**06 04 33 25.6–1.1**	**57.27N–.08**	**153.80W–.09**	**41**	**3.4b**	**19**	**0-66**
IDC	XII	06 04 33 19.7–1.3	57.23N	154.15W	0	3.5,3.4		**¶602323572**
ISCJB	XII	06 04 33 23.5–.83	57.27N–.06	153.9W–.10	41	3.4b,2.9s		
NEIC	XII	06 04 33 24.5–.00	57.33N	153.91W	3	3.1L,2.9s		

ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=13.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=6.9.
NEIC Event type se. After AEIC.

ISC	**XII**	**12 14 00 40.3–2.0**	**56.59N–.07**	**153.81W–.04**	**10–12**	**4.1b,3.4s**	**68**	**1-146**
NEIC	XII	12 14 00 41.8–.00	56.40N	153.62W	33	3.8L,3.4s		**¶602052172**
IDC	XII	12 14 00 44.0–5.0	56.64N	154.04W	33–35	4.0,4.0		

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=29.3km s-min=15.0km az=32.0.

ISC	**XII**	**17 00 53 00.6–1.1**	**56.48N–.08**	**153.98W–.05**	**29–6**	**4.3b**	**78**	**1-67**
IDC	XII	17 00 52 58.5–2.6	56.04N	154.00W	28–5	4.0,4.0		**¶602090193**
ISCJB	XII	17 00 53 00.1–.87	56.53N–.06	153.91W–.06	43–6	4.1b,4.0		
NEIC	XII	17 00 53 02.4–.00	56.54N	154.04W	38	3.6L,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=18.4km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.8km az=160.1.
NEIC Event type se. After AEIC.

ISC	**XII**	**18 01 59 39.2–1.2**	**58.14N–.05**	**151.04W–.05**	**46–19**		**59**	**1-67**
IDC	XII	18 01 59 29.8–3.4	57.44N	151.14W	0	3.7,3.7b		**¶602355630**
ISCJB	XII	18 01 59 36.1–1.7	58.12N–.04	150.94W–.06	22–16	3.5b,3.7b		
NEIC	XII	18 01 59 36.9–.00	58.12N	150.93W	5	2.9L,3.7b		

ISC Event type se.
IDC Error ellipse: s-maj=61.2km s-min=36.6km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=155.6.
NEIC Event type se. After AEIC.

ISC	**XII**	**21 17 55 14.0–1.3**	**58.19N–.05**	**151.62W–.05**	**32–10**	**3.7b**	**99**	**1-66**
IDC	XII	21 17 55 14.1–.92	58.36N	153.09W	0	3.6,3.6b		**¶602347536**
NEIC	XII	21 17 55 15.0–.00	58.08N	151.55W	19	3.2L,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=5.9km az=74.0.
NEIC Event type se. After AEIC.

(14) Kenai Peninsula.

ISC	**VII**	**28 06 01 36.3–.65**	**60.94N–.03**	**150.92W–.03**	**75–6**	**4.2b**	**177**	**0-69**
ISCJB	VII	28 06 01 34.6–.17	60.95N–.02	150.91W–.03	78–2	4.0b		**¶601483977**
IDC	VII	28 06 01 35.0–1.3	60.98N	151.30W	65–14	3.9,3.8		
NEIC	VII	28 06 01 36.6–.00	60.98N	150.96W	68	4.2b,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=161.5.
IDC Error ellipse: s-maj=14.7km s-min=8.7km az=108.0.
NEIC Event type fe. Felt [IV] at Soldotna, [III] at Anchorage and [II] at Kenai. Also felt at Chugiak, Eagle River, Girdwood, Sterling and Willow. After AEIC.

ISC	**VIII**	**15 09 21 35.9–1.2**	**60.03N–.02**	**151.30W–.03**	**17–9**		**106**	**0-44**
IDC	VIII	15 09 21 36.9–.91	59.75N	150.46W	0	3.7,3.3		**¶601564313**
NEIC	VIII	15 09 21 39.0–.00	60.04N	151.40W	49	3.2L,3.3		

ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=8.4km az=114.0.
NEIC Event type fe. Felt [II] at Homer. Also felt at Cooper Landing. After AEIC.

ISC	**VIII**	**29 12 50 55.4–.38**	**60.33N–.03**	**150.72W–.03**	**73–3**	**4.3b**	**453**	**1-164**
ISCJB	VIII	29 12 50 53.7–.16	60.40N–.02	150.74W–.03	63–1	4.3b		**¶601643073**
NEIC	VIII	29 12 50 55.0–.00	60.33N	150.74W	66	4.5W,4.4L		
IDC	VIII	29 12 50 56.2–.53	60.50N	150.91W	78–4	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=167.5.
NEIC Event type fe. Felt [III] at Anchorage, Kasilof, Seward, Soldotna and Sterling; [II] at Eagle River, Homer and Kenai. Also felt at Anchor Point, Chugiak, Cooper Landing, Girdwood, Kenai National Wildlife Refuge and Ninilchik. After AEIC. Moment Tensor Solution. s53 Moment tensor: Scale 10^{15}Nm; M_{rr}1.50 $M_{\theta\theta}$-3.34 $M_{\phi\phi}$1.84 $M_{r\theta}$-2.69 $M_{\theta\phi}$-4.53 $M_{\phi r}$3.18 Best double couple: NP1:ϕ_s280.00000°,δ71.00000°,λ149.00000°. NP2:ϕ_s21.00000°,δ60.00000°,λ22.00000°. Principal axes: T 7.3600,Plg35.0000°,Azm238.0000°; N -1.3000,Plg54.0000°,Azm72.0000°; P -6.0600,Plg7.0000°,Azm333.0000° $M_0$6.80000×10^{15}

IDC Error ellipse: s-maj=14.5km s-min=8.0km az=29.0.

ISC	**IX**	**12 06 42 12.6–.71**	**60.24N–.03**	**151.95W–.03**	**83–6**	**4.0b**	**145**	**0-93**
ISCJB	IX	12 06 42 11.5–.20	60.24N–.02	151.92W–.04	91–2	3.9b		**¶601851663**
IDC	IX	12 06 42 11.4–1.4	60.26N	151.98W	70–21	4.0,3.9		
NEIC	IX	12 06 42 13.7–.00	60.27N	152.00W	80	3.9L,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=42.6.
IDC Error ellipse: s-maj=30.2km s-min=9.3km az=114.0.
NEIC Event type fe. Felt [III] at Kasilof and Kenai and [II] at Homer and Sterling. Also felt at Anchor Point, Cooper Landing and Soldotna. After AEIC.
NEIC IX 19 02 07 14.2–.00 59.45N 151.91W 64 3.5L
¶601863792
NEIC Event type fe. Felt at Homer. After AEIC.
ISC X 04 03 32 11.1–.73 60.53N–.03 151.97W–.04 93–5 4.0b 100 0-69
ISCJB X 04 03 32 09.6–.30 60.53N–.02 151.92W–.05 100–3 4.0b **¶601906646**
IDC X 04 03 32 10.7–1.2 60.49N 151.73W 91–19 3.8,3.6
NEIC X 04 03 32 11.9–.00 60.53N 152.00W 86 3.2L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=12.5.
IDC Error ellipse: s-maj=41.9km s-min=9.4km az=111.0.
NEIC Event type se. After AEIC.
ISC XI 01 14 13 35.3–.77 60.78N–.03 151.97W–.04 98–6 3.6b 161 0-77
ISCJB XI 01 14 13 33.7–.21 60.78N–.02 151.90W–.04 101–3 3.5b **¶602031571**
IDC XI 01 14 13 33.6–1.8 60.80N 152.29W 75–22 4.0,3.9
NEIC XI 01 14 13 36.0–.00 60.77N 151.97W 85 4.1L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.6km az=39.8.
IDC Error ellipse: s-maj=22.4km s-min=13.0km az=112.0.
NEIC Event type fe. Felt [II] at Soldotna. Also felt at Anchorage and Kenai. After AEIC.
NEIC XI 15 09 37 15.0–.00 60.81N 148.95W 46 2.8L
¶602059964
NEIC Event type fe. Felt at Anchorage and Girdwood. After AEIC.
ISC XII 17 10 22 41.0–1.3 59.36N–.05 149.95W–.03 19–5 80 1-43
ISCJB XII 17 10 22 40.7–.71 59.36N–.04 149.90W–.04 27–6 3.0b **¶602391509**
IDC XII 17 10 22 41.0–3.6 59.27N 149.83W 0 3.5,3.2
NEIC XII 17 10 22 42.0–.00 59.38N 149.95W 12 3.1L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=170.2.
IDC Error ellipse: s-maj=62.1km s-min=19.6km az=78.0.
NEIC Event type se. After AEIC.

(15) Gulf of Alaska.

ISC VIII 05 01 04 30.6–2.1 58.10N–.05 143.02W–.04 28–19 148 2-10
PGC VIII 05 01 04 31.0–.87 58.07N 143.00W 10 3.3L **¶601532905**
NEIC VIII 05 01 04 30.5–.32 58.11N 142.96W 10 3.3L,3.2L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 244km Wsw of Yakutat, Ak Gulf Of Alaska.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=178.0.
ISC XI 12 20 42 15.9–.43 57.56N–.03 142.86W–.02 19–1 6.2s,6.0b 2633 3-168
IDC XI 12 20 42 13.6–.34 57.80N 142.79W 0 6.0,6.0s **¶601890509**
BJI XI 12 20 42 13.8 57.56N 142.89W 30 6.5s,6.4
MOS XI 12 20 42 13.3–.82 57.78N 142.84W 10 6.1b,6.1s
NEIC XI 12 20 42 14.6–.06 57.79N 142.86W 9 6.4,6.3W
NEIC XI 12 20 42 14.0–.00 57.75N 142.91W 13 6.4,6.3W
AEIC XI 12 20 42 16.8–.00 57.59N 142.88W 11 6.4,6.3W
GCMT XI 12 20 42 16.6–.10 57.70N 142.97W 16–0 6.3W,6.3W
ISCJB XI 12 20 42 16.3–.07 57.77N–.01 142.74W–.02 30 6.2s,5.9b
ISC Event type fe.
NEIC Event type fe. Felt [II] at Cordova. Also felt at Anchorage, Eagle River, Homer, Sitka, Skagway, Valdez and Yakutat. Felt at Whitehorse, British Columbia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.59 MPa. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s270.00000°,δ85.00000°,λ20.00000°. NP2:ϕ_s178.00000°,δ70.00000°,λ175.00000°. Principal axes: T Plg17.0000°,Azm136.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000° ,Azm42.0000°
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.24 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.31 $M_{\theta\phi}$3.15 $M_{\theta r}$0.67 Best double couple: NP1:ϕ_s177.00000° ,δ84.00000°,λ-167.00000°. NP2:ϕ_s86.00000°,δ77.00000°,λ-5.00000°. Principal axes: T 3.3200,Plg4.0000°,Azm311.0000°; N -0.1100,Plg76.0000°,Azm201.0000° ; P -3.2100,Plg12.0000°,Azm42.0000° $M_0$3.30000×10^{18}
AEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c328; s149,c602; Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-0.27±.02; $M_{\phi\phi}$0.72±.02; $M_{r\theta}$-1.56±.07; $M_{\theta\phi}$3.59±.02; $M_{\theta r}$-1.21±.06; Best double couple: NP1:ϕ_s267.00000°,δ82.00000° ,λ21.00000°. NP2:ϕ_s174.00000°,δ69.00000°,λ171.00000°. Principal axes: T 4.5980,Plg21.0000°,Azm132.0000°; N -1.1420,Plg67.0000°,Azm287.0000° ; P -3.4560,Plg9.0000°,Azm39.0000° $M_0$4.02700×10^{18}
ISCJB Event type fe.
ISC XI 12 21 08 12.6–.99 57.63N–.06 142.82W–.05 14 60 2-60
ISCJB XI 12 21 08 11.0–.61 57.65N–.04 142.84W–.07 14 3.3b **¶601991805**
IDC XI 12 21 08 13.5–1.5 57.72N 142.86W 0 3.7,3.5
NEIC XI 12 21 08 15.9–.00 57.58N 142.83W 10 3.6L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=167.8.
IDC Error ellipse: s-maj=30.0km s-min=21.7km az=29.0.
NEIC Event type se. After AEIC.
NEIC XI 12 22 16 41.0–.00 57.57N 142.86W 12 3.5L
¶602059936
NEIC Event type se. After AEIC.
ISC XI 12 22 18 45.2–3.0 57.68N–.06 142.73W–.04 12–19 4.7s,4.2b 136 2-89
ISCJB XI 12 22 18 42.8–.84 57.73N–.03 142.89W–.04 10–6 4.7s,4.1b **¶601890516**
IDC XI 12 22 18 43.9–.85 57.71N 142.76W 0 4.5s,4.4
NEIC XI 12 22 18 47.2–.00 57.58N 142.83W 11 4.1b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=19.5.
IDC Error ellipse: s-maj=19.9km s-min=12.1km az=21.0.
NEIC Event type se. After AEIC.
ISC XI 12 22 20 51.9–.43 57.70N–.06 142.78W–.04 10 4.5b 262 2-150
ISCJB XI 12 22 20 50.2–.16 57.72N–.02 142.89W–.04 10 4.9s,4.4b **¶601890517**
MOS XI 12 22 20 50.4–.86 57.77N 142.73W 10 4.7b,4.4b
IDC XI 12 22 20 51.0–.62 57.71N 142.82W 0 4.4,4.2
NEIC XI 12 22 20 54.9–.00 57.60N 142.78W 10 4.4b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=1.8km az=138.7.
MOS Error ellipse: s-maj=15.2km s-min=5.4km az=110.5.
IDC Error ellipse: s-maj=17.4km s-min=10.5km az=25.0.
NEIC Event type se. After AEIC.
NEIC XI 12 22 44 55.4–.00 57.61N 142.82W 10 2.5L
¶602056151
NEIC Event type se. After AEIC.
NEIC XI 12 23 20 07.8–.00 57.60N 142.84W 12 3.5L
¶602056154
NEIC Event type se. After AEIC.
NEIC XI 12 23 30 04.9–.00 57.58N 142.75W 11 2.9L
¶602058444
NEIC Event type se. After AEIC.
ISC XI 12 23 54 04.6–.87 57.74N–.07 142.89W–.04 25 4.1s,3.8b 116 2-89
ISCJB XI 12 23 54 01.1–.46 57.69N–.03 142.97W–.05 25 4.1s,3.7b **¶602056157**
IDC XI 12 23 54 02.0–.99 57.81N 142.87W 0 4.1,4.1s
NEIC XI 12 23 54 04.4–.00 57.58N 142.92W 12 3.9L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=176.1.
IDC Error ellipse: s-maj=23.5km s-min=13.5km az=16.0.
NEIC Event type se. After AEIC.
ISC XI 15 11 50 07.5–4.1 57.68N–.06 142.85W–.04 10–27 3.8b 160 2-69
NEIC XI 15 11 50 07.6–.27 57.70N 142.88W 10 3.8L **¶602051402**
IDC XI 15 11 50 08.8–.96 58.00N 142.44W 0 3.9,3.7
AEIC XI 15 11 50 11.0–.00 57.57N 142.91W 11 3.9,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.2km az=180.0.
IDC Error ellipse: s-maj=22.2km s-min=11.8km az=43.0.
AEIC Event type se.
ISC XI 18 04 44 23.4–1.7 57.57N–.08 142.78W–.05 14 72 3-8
ISCJB XI 18 04 44 25.4–.92 57.73N–.06 142.90W–.08 14 **¶601992628**
NEIC XI 18 04 44 29.0–.00 57.58N 142.83W 10 2.9L
PGC XI 18 04 44 38.2–3.1 58.46N 141.68W 1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.0km az=0.1.
NEIC Event type se. After AEIC.
PGC Event type ke. 155km Wsw of Yakutat, Ak Off Coast Of Southeastern Alaska.
ISC XI 18 04 59 42.6–1.8 57.59N–.10 142.80W–.06 14 38 3-8
ISCJB XI 18 04 59 41.3–.65 57.51N–.05 142.76W–.09 14 **¶601992634**
NEIC XI 18 04 59 47.0–.00 57.54N 142.85W 10 2.7L
PGC XI 18 04 59 48.3–15 57.81N 142.26W 5 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=43.7.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=0.6km az=-1.0. 230km Wsw of Yakutat, Ak Gulf Of Alaska.
NEIC XI 18 17 47 10.5–.00 57.54N 142.83W 12 3.5L
¶602059979
NEIC Event type se. After AEIC.
NEIC XI 19 08 15 52.0–.00 57.60N 142.82W 10 2.9L
¶602063195
NEIC Event type se. After AEIC.
ISC XII 19 21 58 13.7–.70 57.54N–.06 142.77W–.04 10 4.2b 116 3-89
ISCJB XII 19 21 58 11.1–.40 57.56N–.03 142.82W–.04 10 4.0b **¶602374074**
IDC XII 19 21 58 14.0–1.6 57.73N 142.67W 0 4.0b,4.0
NEIC XII 19 21 58 17.0–.00 57.49N 142.81W 12 3.6L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=8.0.
IDC Error ellipse: s-maj=37.8km s-min=17.3km az=177.0.
NEIC Event type se. After AEIC.
ISC XII 23 06 42 50.6–1.7 57.59N–.08 142.78W–.05 14 63 2-8
ISCJB XII 23 06 42 52.0–.68 57.72N–.04 142.73W–.07 14 **¶602057919**
NEIC XII 23 06 42 56.6–.00 57.62N 142.78W 12 2.9L
PGC XII 23 06 42 57.8–3.5 57.85N 142.14W 10 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=14.0.
NEIC Event type se. After AEIC.
PGC Event type ke. 221km Wsw of Yakutat, Ak Gulf Of Alaska.
ISC XII 27 19 53 28.2–.97 57.60N–.07 142.77W–.05 10 74 2-25
ISCJB XII 27 19 53 26.4–.41 57.54N–.03 142.68W–.05 10 3.1b **¶602380677**
IDC XII 27 19 53 28.9–1.7 57.71N 142.71W 0 3.6,3.4
PGC XII 27 19 53 31.4–1.4 57.56N 142.47W 10 3.5L,3.2L
NEIC XII 27 19 53 33.9–.00 57.57N 142.75W 12 3.2L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=30.6.
IDC Error ellipse: s-maj=26.2km s-min=16.5km az=43.0.
PGC Event type ke. 259km Wsw of Yakutat, Ak Gulf Of Alaska.
NEIC Event type se. After AEIC.

(16) South of Aleutian Islands.

ISC VII 15 01 22 13.1–1.6 52.97N–.06 165.43W–.04 15–9 4.3b,3.2s 136 1-86
IDC VII 15 01 22 12.0–.85 53.26N 165.62W 0 4.3,4.2 **¶601351271**
ISCJB VII 15 01 22 13.9–.53 52.91N–.04 165.49W–.04 33–4 4.3b,3.3s
NEIC VII 15 01 22 15.0–.00 52.96N 165.52W 39 4.3b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=11.0km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=159.1.
NEIC Event type se. After AEIC.
KRSC VIII 12 10 15 11.3–2.4 52.82N 168.61E 63–103 3.7L
¶604183911
KRSC Event type se.
ISC VIII 18 03 49 49.5–1.6 52.5N–.20 165.29W–.06 20–10 3.8b 28 2-68
ISCJB VIII 18 03 49 47.1–2.0 52.36N–.06 165.26W–.07 19–16 3.7b,2.9s **¶601643012**
IDC VIII 18 03 49 47.6–1.8 52.60N 165.19W 0 3.8,3.7b
NEIC VIII 18 03 49 49.3–.00 52.41N 165.32W 32 3.0L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=10.4.
IDC Error ellipse: s-maj=37.8km s-min=25.9km az=9.0.
NEIC Event type se. After AEIC.
ISC IX 17 09 31 35.9–.98 50.36N–.10 170.22W–.06 35 3.6b 30 3-89
IDC IX 17 09 31 31.2–1.2 50.06N 170.21W 0 3.9,3.7b **¶601863703**
ISCJB IX 17 09 31 34.2–.69 50.38N–.06 170.28W–.06 33 3.5b,3.7b
NEIC IX 17 09 31 36.2–.00 50.38N 170.22W 26 3.4L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=21.6km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=153.0.
NEIC Event type se. After AEIC.
ISC IX 26 15 28 26.3–1.1 52.89N–.06 168.75E–.07 35 3.5b 119 3-82
IDC IX 26 15 28 21.9–1.3 53.00N 169.09E 0 3.9,3.7 **¶601742252**
MOS IX 26 15 28 24.5–.91 52.90N 168.92E 33 4.4b,3.7
KRSC IX 26 15 28 27.1–2.2 52.98N 168.43E 61–25 4.3L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=59.1km s-min=26.9km az=151.0.
MOS Error ellipse: s-maj=11.4km s-min=5.5km az=36.0.
KRSC Event type se.
ISC X 14 01 24 18.5–.93 52.24N–.08 169.91E–.07 35 3.9b 74 4-80
IDC X 14 01 24 13.2–.95 52.18N 170.31E 0 4.1,3.9 **¶601834389**
MOS X 14 01 24 16.9–.93 52.24N 170.06E 44 4.2b,3.9
KRSC X 14 01 24 20.6–2.1 52.36N 169.27E 36–75 4.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=19.6km az=161.0.
MOS Error ellipse: s-maj=16.5km s-min=7.3km az=37.6.
KRSC Event type se.
IDC XI 07 21 17 19.4–2.3 50.72N 171.63W 0 3.9,3.9s
¶602388990
IDC Error ellipse: s-maj=72.0km s-min=30.3km az=12.0.

(17) South of Alaska.

ISC VII 20 23 16 17.3–.80 54.5N–.10 157.94W–.05 35 3.7b 45 2-83
IDC VII 20 23 16 12.7–1.1 54.47N 158.03W 0 3.9,3.9L **¶601484389**
ISCJB VII 20 23 16 14.5–.56 54.46N–.06 157.95W–.05 33 3.7s,3.6b
NEIC VII 20 23 16 14.6–.00 54.21N 157.83W 3 3.4L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=16.9km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=3.8km az=163.3.
NEIC Event type se. After AEIC.
ISC VII 31 11 24 13.5–1.0 54.71N–.08 159.98W–.05 33 3.9b,2.9s 33 1-84
IDC VII 31 11 24 09.4–3.8 54.82N 160.12W 0 3.9b,3.8 **¶601650820**
ISCJB VII 31 11 24 12.4–.75 54.56N–.07 159.96W–.08 33 3.8b,2.8s
NEIC VII 31 11 24 13.5–.00 54.70N 160.15W 16 3.4L,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=100.4km s-min=19.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.5km az=150.8.
NEIC Event type se. After AEIC.
ISC VIII 01 22 50 24.0–2.2 52.46N–.08 164.85W–.04 5–12 3.8b 54 2-68
NEIC VIII 01 22 50 26.5–.00 52.28N 165.04W 32 3.4L **¶601706350**
IDC VIII 01 22 50 26.1–1.6 53.04N 164.39W 0 4.0,3.8
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=54.4km s-min=18.2km az=19.0.
ISC VIII 02 02 35 41.8–1.3 52.38N–.09 164.97W–.07 30 3.6b 20 2-50
IDC VIII 02 02 35 35.3–5.1 52.88N 165.40W 0 3.8,3.6b **¶601706357**
ISCJB VIII 02 02 35 39.5–.76 52.24N–.06 164.92W–.08 30 3.6b,3.6b
NEIC VIII 02 02 35 39.4–.00 52.24N 164.90W 31 3.1L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=89.3km s-min=32.2km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=23.1.
NEIC Event type se. After AEIC.
ISC VIII 19 12 41 36.8–.79 53.33N–.05 159.81W–.04 17–4 4.6b,3.5s 786 2-151
ISCJB VIII 19 12 41 34.5–.79 53.41N–.02 159.72W–.02 11–5 4.6b,3.5s **¶601565899**
IDC VIII 19 12 41 34.1–.49 53.28N 159.91W 0 4.5,4.4
MOS VIII 19 12 41 35.9–.93 53.42N 159.74W 19 4.8b,4.4

BJI VIII 19 12 41 35.0 53.56N 160.07W 14 4.8b,4.6b
NEIC VIII 19 12 41 37.1–.00 53.35N 159.90W 6 4.6b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.1km az=12.2.
IDC Error ellipse: s-maj=13.1km s-min=8.9km az=169.0.
MOS Error ellipse: s-maj=8.1km s-min=5.0km az=86.6.
NEIC Event type se. After AEIC.
ISC X 27 15 31 11.7–.98 52.81N–.09 162.88W–.05 35 4.0b 49 2-67
ISCJB X 27 15 31 08.5–.66 52.69N–.05 162.87W–.05 33 3.9b,3.1s **¶601999839**
IDC X 27 15 31 08.2–1.5 53.01N 163.00W 0 3.9,3.8b
NEIC X 27 15 31 10.7–.00 52.74N 162.91W 22 3.5L,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=172.6.
IDC Error ellipse: s-maj=31.9km s-min=23.8km az=8.0.
NEIC Event type se. After AEIC.
NEIC XI 21 13 55 53.4–.50 55.07N 153.54W 10 3.9b,3.7L
AEIC XI 21 13 55 58.1–.00 55.07N 153.40W 12 3.9b,3.7L **¶601993472**
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.7km az=176.0.
AEIC Event type se.
NEIC XII 08 10 00 57.2–.00 53.29N 160.33W 29 3.3L
¶602330336
NEIC Event type se. After AEIC.
ISC XII 22 22 21 46.5–4.7 53.1N–.20 161.17W–.09 33–18 3.4b 45 2-48
IDC XII 22 22 21 41.3–1.6 53.12N 161.31W 0 3.7,3.4 **¶602374100**
ISCJB XII 22 22 21 44.7–.81 53.07N–.05 161.16W–.06 37–11 3.3b,3.4
NEIC XII 22 22 21 46.7–.00 53.15N 161.26W 14 3.2L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=26.4km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=159.1.
NEIC Event type se. After AEIC.

SEISMIC REGION 2.
Eastern Alaska to Vancouver Island.

(18) Southern Yukon Territory.

ISC VIII 23 17 59 44.4–.70 64.43N–.04 134.58W–.03 10 58 2-54
PGC VIII 23 17 59 44.4–.07 64.31N 134.68W 1 3.9L **¶601615607**
IDC VIII 23 17 59 44.4–.91 64.39N 134.59W 0 4.0b,3.9
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 231km east of Dawson, Yt Southern Yukon Territory, Canada.
IDC Error ellipse: s-maj=19.3km s-min=10.4km az=12.0.
ISC X 29 20 58 17.2–1.2 61.55N–.03 140.91W–.04 5–9 3.4b 89 0-59
ISCJB X 29 20 58 17.6–.78 61.58N–.02 140.95W–.06 6–7 3.7s,3.4b **¶601859239**
NEIC X 29 20 58 17.7–.00 61.53N 140.94W 1 3.9L,3.4b
IDC X 29 20 58 18.9–.79 61.78N 140.87W 0 3.9,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=155.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.7km s-min=8.2km az=38.0.
ISC XII 05 14 34 59.7–.27 64.89N–.02 133.72W–.03 9 4.7b,4.4s 554 2-161
BJI XII 05 14 34 56.0 64.90N 134.00W 5 5.1b,4.8b **¶604463127**
MOS XII 05 14 34 58.6–.88 64.91N 133.99W 12 4.9b,4.8b
ISCJB XII 05 14 34 58.2–.11 64.91N–.01 133.94W–.03 9 4.6b,4.0s
IDC XII 05 14 34 58.7–.39 64.94N 133.80W 0 4.5,4.5L
PGC XII 05 14 34 59.5–.02 64.86N 133.76W 1 5.2L,4.4W
ANF XII 05 14 34 59.8–.53 64.92N 133.91W 5 5.0L,4.4W
NEIC XII 05 14 35 00.0–.00 64.89N 133.99W 5 4.9L,4.5b
AEIC XII 05 14 35 01.2–.00 64.85N 133.83W 32 4.9L,4.5b
ISC Event type ke.
MOS Error ellipse: s-maj=13.8km s-min=5.0km az=94.7.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=43.3.
IDC Error ellipse: s-maj=9.2km s-min=6.9km az=40.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 285km east of Dawson, Yt Southern Yukon Territory, Canada.
ANF Error ellipse: s-maj=9.5km s-min=7.3km az=116.0.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$5.60000×10^{15}
AEIC Event type se.
ISC XII 08 03 18 09.3–.53 64.92N–.03 133.62W–.04 11 4.2b 62 3-75
ISCJB XII 08 03 18 07.4–.36 64.83N–.03 133.66W–.08 11 4.1b,3.0s **¶602059834**
IDC XII 08 03 18 09.2–.87 64.94N 133.75W 0 4.1,4.0b
PGC XII 08 03 18 10.3–.05 64.85N 133.81W 1 4.2b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=28.8.
IDC Error ellipse: s-maj=24.9km s-min=10.1km az=11.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 283km east of Dawson, Yt Southern Yukon Territory, Canada.

(19) Southeastern Alaska.

PGC VII 25 14 51 40.9–.43 59.22N 139.53W 15 3.8L
NEIC VII 25 14 51 40.9–.00 59.22N 139.53W 15 3.8L,3.6L **¶601472494**
PGC Event type ke. 8km Ssw of Yakutat, Ak Southeastern Alaska.
NEIC Event type fe. Felt at Yakutat. After OTT.
ISC IX 20 08 19 59.5–2.8 55.10N–.04 134.96W–.09 3–18 19 1-5
NEIC IX 20 08 20 03.1–2.1 55.16N 134.90W 15–9 2.8L **¶601735806**
PGC IX 20 08 20 06.7–4.2 55.07N 134.54W 20 2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.7km az=145.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0. 193km Wnw of Masset, Bc Southeastern Alaska.
ISC X 04 16 25 02.1–.48 59.01N–.03 136.86W–.03 10 3.6b 104 1-141
ISCJB X 04 16 25 00.9–.27 59.00N–.02 136.74W–.05 10 3.6b **¶601782848**
IDC X 04 16 25 01.6–.78 59.15N 136.61W 0 3.9,3.7
PGC X 04 16 25 03.9–.01 59.06N 136.73W 10 4.0L,3.7
NEIC X 04 16 25 03.1–.00 58.98N 136.75W 4 4.0L,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=137.5.
IDC Error ellipse: s-maj=18.6km s-min=8.4km az=36.0.
PGC Event type ke. 85km west of Haines, Ak Southeastern Alaska.
NEIC Event type fe. Felt at Gustavus, Haines, Juneau and Skagway. After AEIC.
ISC XI 24 10 36 55.7–1.5 57.16N–.05 136.16W–.05 16–11 53 0-12
NEIC XI 24 10 36 55.0–.00 57.17N 136.22W 3 3.6L,3.1L **¶601994121**
OTT XI 24 10 36 57.5–1.1 57.31N 136.40W 18 3.6L,3.1L
ISC Event type ke.
NEIC Event type se. After AEIC.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=8.4km az=-1.0. 297km southwest from Atlin, Bc Fairweather - Yakutat Seismic Zone.
PGC XII 11 21 05 45.0–3.3 58.86N 134.51W 10 2.6L
NEIC XII 11 21 05 45.0–.00 58.86N 134.51W 10 2.6L **¶602043110**
PGC Event type ke. 49km Ese of Haines, Ak Southeastern Alaska.
NEIC Event type se. After OTT.
PGC XII 16 02 40 12.2–.04 59.88N 136.71W 10 2.4L
¶604463319
PGC Event type ke. 106km southeast of Haines Jct., Yt Southeastern Alaska.

(21) West of Vancouver Island.

IDC X 29 03 52 15.3–2.3 50.75N 133.93W 0 4.0,3.7
¶602000205
IDC Error ellipse: s-maj=52.1km s-min=27.5km az=51.0.

(22) Queen Charlotte Islands region.

PGC VIII 08 03 52 05.6–.84 53.19N 132.94W 20 3.7L,3.7L
¶601532910
PGC Event type ke. 75km west of Sandspit, Bc Haida Gwaii Region.
PGC X 08 10 52 40.0–2.0 51.20N 131.16W 10 3.5W,3.5W
¶601819231
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 232km Sse of Sandspit, Bc Haida Gwaii Region.
ISC X 28 03 04 07.8–.58 52.68N–.02 132.17W–.03 7–3 7.6s,6.5b 2854 0-163
BJI X 28 03 04 05.2 52.78N 131.94W 20 7.9,7.9s **¶603860908**
PGC X 28 03 04 06.1–6.7 52.55N 132.24W 23–0 7.7W,7.1L
ISCJB X 28 03 04 06.8–.07 52.77N–.01 132.02W–.02 10 7.5s,6.4b
IDC X 28 03 04 07.9–1.9 52.65N 132.26W 12–11 7.4,7.4s
MOS X 28 03 04 07.8–.99 52.63N 132.30W 21 7.5s,6.6b
NEIC X 28 03 04 08.8–.08 52.79N 132.10W 14 7.8W,7.8W
NEIC X 28 03 04 09.0–.00 52.74N 131.97W 11 7.8W,7.8W
GCMT X 28 03 04 36.8–.10 52.61N–.01 132.06W–.01 12 7.8W,7.8W
NEIC X 28 03 04 53.5–.00 52.89N 132.03W 22 7.8W,7.8W
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 83km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=138.1.
IDC Error ellipse: s-maj=11.9km s-min=6.9km az=35.0.
MOS Error ellipse: s-maj=6.1km s-min=3.1km az=101.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ71.00000°,λ85.00000°. NP2: ϕ_s310.00000°,δ20.00000°,λ104.00000°. Principal axes: T Plg64.0000°,Azm17.0000° ; N Plg5.0000°,Azm117.0000°; P Plg26.0000°,Azm209.0000° $M_0$4.80000×10^{20}
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.1km az=45.0. at Port-Vila, Vanuatu; 4 at Apia, Samoa; 4 at Hienghene, New Caledonia; 4 at Lata and 3 at Honiara, Solomon Islands; 4 on Christmas Island, Kiribati; 2 on Funafuti Island, Tuvalu. Felt [V] in the Masset-Queen Charlotte area and [IV] at Houston, Kitimat, Prince Rupert and Terrace. Felt [III] in much of western British Columbia and in Southeastern Alaska. Felt from Seattle, Washington to Juneau, Alaska and to Calgary, Alberta. Thermal springs on Hotspring Island in Gwaii Haanas National Park Preserve, Haida Gwaii, stopped flowing after the earthquake, but were starting to show signs of recovery in mid-January 2013. A generally-small, but nearly Pacific-wide tsunami was recorded, with much higher wave heights in Hawaii than in the rest of the Pacific. Also, the West Coast and Alaska Tsunami Warning Center observed that a small tsunami was recorded at Sitka, Alaska after having been reflected off the Hawaiian Islands. Tsunami wave heights [in centimeters, one-half peak-to-trough] were recorded at the following selected tide stations: 34 at Langara Island, 26 at Henslung Cove, 15 at Port Alberni and 9 at Prince Rupert, British Columbia; 76 at Kahului, 56 at Kawaihae, 43 at Haleiwa, 37 at Hilo, 20 at Hanalei and 15 at Honolulu, Hawaii; 18 at Chignik, 13 at Kodiak and 12 at Sitka, Alaska; 23 at Port Orford, Oregon; 46 at Crescent City, 41 at Arena Cove, 27 at Port San Luis and 25 at Point Reyes, California; 24 on Nuku Hiva, 24 on Hiva Oa and 4 at Rangiroa, French Polynesia; 15 on Rarotonga, Cook Islands; 12 on Chatham Island and 10 at Gisborne, New Zealand; 12 at Mera, 10 at Aburatsu and 10 on Chichi Jima, Japan; 10 at Talcahuano, Chile; 9 on Midway Island; 6. Complex earthquake, with at least one larger event occurring about 13 seconds after the onset observed on broadband displacement seismograms. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband displacement seismograms. Focal mechanism based on larger event. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 13 seconds after the onset. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband Energy computed from BB mechanism. Moment Tensor Solution. Moment Tensor Solution. Principal axes: T Plg45.0000°,Azm15.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm285.0000°
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{20}Nm; M_{rr}3.84 $M_{\theta\theta}$-2.41 $M_{\phi\phi}$-1.42 $M_{r\theta}$3.77 $M_{\theta\phi}$2.21 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s115.00000° ,δ68.00000°,λ79.00000°. NP2:ϕ_s322.00000°,δ24.00000°,λ115.00000°. Principal axes: T 5.6200,Plg65.0000°,Azm6.0000°; N 0.1100,Plg10.0000°,Azm119.0000° ; P -5.7300,Plg22.0000°,Azm213.0000° $M_0$5.70000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s145,c362; s147,c790; Duration: 18^{s}7 Moment tensor: Scale 10^{20}Nm; M_{rr}4.08±.01 $M_{\theta\theta}$-2.53±.01; $M_{\phi\phi}$-1.56±.01; $M_{r\theta}$3.26±.11; $M_{\theta\phi}$2.40±.01; $M_{\phi r}$-1.78±.12; Best double couple: NP1:ϕ_s122.00000°,δ66.00000° ,λ83.00000°. NP2:ϕ_s318.00000°,δ25.00000°,λ104.00000°. Principal axes: T 5.5050,Plg69.0000°,Azm19.0000°; N 0.3310,Plg6.0000°,Azm125.0000° ; P -5.8460,Plg20.0000°,Azm217.0000° $M_0$5.67600×10^{20}
NEIC Event type se. Moment Tensor Solution. s196 Moment tensor: Scale 10^{20}Nm; M_{rr}4.75 $M_{\theta\theta}$-3.04 $M_{\phi\phi}$-1.70 $M_{r\theta}$3.36 $M_{\theta\phi}$2.27 $M_{\phi r}$-1.79 Best double couple: NP1:ϕ_s312.00000° ,δ26.00000°,λ100.00000°. NP2:ϕ_s121.00000°,δ64.00000°,λ85.00000°. Principal axes: T 6.1100,Plg70.0000°,Azm22.0000°; N -0.0500,Plg4.0000°,Azm123.0000° ; P -6.0600,Plg19.0000°,Azm215.0000° $M_0$6.10000×10^{20}
IDC X 28 03 11 52.5–1.2 53.26N 131.67W 0 4.6,4.5
¶601999892
IDC Error ellipse: s-maj=32.9km s-min=9.8km az=176.0.
IDC X 28 03 12 02.1–1.5 52.87N 131.71W 0 4.8,4.7
¶601999895
IDC Error ellipse: s-maj=77.0km s-min=26.1km az=43.0.
IDC X 28 03 13 20.0–5.5 53.13N 131.59W 0 4.5,4.5
¶601853268
IDC Error ellipse: s-maj=143.5km s-min=10.4km az=1.0.
ISC X 28 03 15 24.7–2.2 52.7N–.30 132.3W–.50 18 4.4b 11 0-87
IDC X 28 03 15 20.6–1.2 52.49N 132.52W 0 4.5,4.3 **¶601874225**
ISCJB X 28 03 15 22.7–1.9 52.6N–.20 132.3W–.70 18 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 03 19 49.7–1.7 52.68N 132.73W 0 4.3,4.0
¶601874226
IDC Error ellipse: s-maj=41.5km s-min=37.9km az=109.0.
ISC X 28 03 23 52.9–2.1 53.0N–.10 132.5W–.20 17–10 4.3b 10 0-78
IDC X 28 03 23 49.3–1.0 52.87N 132.95W 0 4.4,4.2 **¶601874227**
ISCJB X 28 03 23 52.4–1.1 53.1N–.10 132.4W–.30 26–8 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 03 32 39.8–1.1 52.51N–.06 131.81W–.06 15–5 31 0-77
IDC X 28 03 32 38.1–1.8 52.46N 132.08W 0 4.6,4.3b **¶601999896**
ISCJB X 28 03 32 39.1–.64 52.54N–.06 131.7W–.10 21–5 4.2b,4.3b
PGC X 28 03 32 39.6–7.5 52.55N 131.84W 20–0 4.3L,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=12.2km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=4.8km az=141.8.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 78km south of Sandspit, Bc Haida Gwaii Region.
ISC X 28 03 34 50.0–.70 52.40N–.08 131.99W–.09 18 4.4b 60 2-151
IDC X 28 03 34 46.8–1.2 52.29N 132.25W 0 4.6,4.3 **¶606767970**
ISCJB X 28 03 34 48.1–.49 52.41N–.05 132.0W–.10 18 4.2b,4.3
NEIC X 28 03 34 48.8–.38 52.41N 131.98W 10 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=14.0km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=4.7km az=151.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=3.7km az=61.0.
ISC X 28 03 35 26.3–.78 52.89N–.09 132.0W–.10 10 4.3b 53 0-88
IDC X 28 03 35 19.9–1.6 52.28N 133.90W 0 4.6,4.3 **¶601999897**
ISCJB X 28 03 35 25.3–.50 52.94N–.06 131.9W–.20 10 4.3b,4.3
NEIC X 28 03 35 26.1–.52 52.89N 132.20W 10 4.2b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=21.8km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=4.7km az=153.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=4.5km az=65.0.
ISC X 28 03 38 11.0–.91 52.54N–.04 131.93W–.04 17–5 4.7b 156 0-151
IDC X 28 03 38 08.9–.84 52.43N 132.37W 0 4.7,4.5 **¶601874229**
PGC X 28 03 38 10.3–64 52.48N 131.81W 26–0 4.8L,4.6b
NEIC X 28 03 38 10.0–.00 52.51N 132.03W 20 4.6b,4.5L
ISCJB X 28 03 38 11.0–.59 52.59N–.03 131.92W–.08 21–4 4.5b,4.5L
ISC Event type ke.
PGC Event type ke. 85km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISCJB Event type ke.
ISC X 28 03 44 11.9–1.5 52.5N–.10 132.2W–.10 18 9 1-77
IDC X 28 03 44 08.8–1.5 52.38N 132.46W 0 4.3,4.0 **¶601999899**
ISCJB X 28 03 44 09.6–1.3 52.4N–.10 132.5W–.20 18 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 03 44 46.4–2.5 52.59N 132.97W 0 4.4,4.1
¶601874230
IDC Error ellipse: s-maj=81.8km s-min=33.7km az=54.0.
IDC X 28 03 48 33.9–3.6 52.52N 131.50W 0 4.8,4.5b
¶601857735
IDC Error ellipse: s-maj=75.1km s-min=17.1km az=77.0.
ISC X 28 03 49 04.9–1.1 52.8N–.20 131.9W–.10 10 4.2b 13 13-151
IDC X 28 03 49 02.8–1.2 52.65N 132.12W 0 4.3,4.2 **¶601874231**
ISCJB X 28 03 49 03.4–1.0 52.8N–.20 131.9W–.20 10 4.1b,4.2

ISC Event type ke.
ISCJB Event type ke.
ISC X 28 03 50 21.2–1.6 52.3N–.20 132.4W–.30 18 4.3b 9 6-88
IDC X 28 03 50 18.3–1.5 52.26N 132.37W 0 4.6,4.4 **¶601874232**
ISCJB X 28 03 50 20.0–1.4 52.3N–.10 132.3W–.30 18 4.1b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 03 52 20.6–.80 52.45N–.04 131.91W–.04 13–4 4.9b 538 0-151
PGC X 28 03 52 15.6–11 52.24N 132.23W 18–4 5.5W,5.1L **¶601857737**
IDC X 28 03 52 18.2–.65 52.34N 132.22W 0 4.7,4.5
ISCJB X 28 03 52 20.7–.43 52.58N–.02 131.86W–.04 24–3 4.8b,4.5
NEIC X 28 03 52 20.5–.15 52.58N 131.96W 10 5.5W,4.9b
MOS X 28 03 52 21.2–1.2 52.50N 131.93W 27 5.1b,4.9b
BJI X 28 03 52 21.5 52.40N 131.80W 20 4.9b,4.9b
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=14.4km s-min=8.3km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.1km az=145.5.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=52.0. Felt at Bulkley-Nechako and Smithers. Also felt at Ketchikan and Petersburg, Alaska. Moment Tensor Solution. $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=11.1km s-min=4.8km az=111.3.
ISC X 28 04 03 57.0–1.5 52.8N–.20 132.3W–.20 18 4.0b 10 0-87
IDC X 28 04 03 53.3–1.1 52.66N 132.73W 0 4.2,4.0 **¶601874235**
ISCJB X 28 04 03 54.9–1.2 52.7N–.10 132.4W–.40 18 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 04 08 46.7–1.2 52.92N 132.77W 0 4.1,3.9
¶601999900
IDC Error ellipse: s-maj=31.0km s-min=9.5km az=113.0.
ISC X 28 04 12 07.3–1.3 52.6N–.10 132.7W–.20 10 3.9b 12 1-78
ISCJB X 28 04 12 05.4–1.1 52.6N–.10 133.0W–.30 10 3.8b **¶601874237**
IDC X 28 04 12 05.0–1.0 52.54N 133.05W 0 4.1,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.7km s-min=12.2km az=159.9.
IDC Error ellipse: s-maj=26.0km s-min=11.6km az=106.0.
IDC X 28 04 14 27.3–2.2 52.32N 131.52W 0 4.1,3.9L
¶601999902
IDC Error ellipse: s-maj=31.7km s-min=18.3km az=39.0.
ISC X 28 04 16 08.9–1.6 52.8N–.10 132.4W–.20 18 6 0-76
IDC X 28 04 16 05.3–1.5 52.62N 132.76W 0 3.9,3.6b **¶601999903**
ISCJB X 28 04 16 07.9–1.3 52.8N–.10 132.2W–.30 18 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 04 21 28.7–1.1 52.2N–.10 133.3W–.10 10 3.7b 9 1-77
IDC X 28 04 21 27.8–2.3 52.48N 133.06W 0 3.9,3.9L **¶601874238**
PGC X 28 04 21 52.1–2.8 52.52N 131.85W 20 4.0L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=81.2km s-min=24.4km az=53.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 80km south of Sandspit, Bc Haida Gwaii Region.
ISC X 28 04 25 15.7–.53 52.65N–.08 132.56W–.08 18 4.4b 94 1-88
IDC X 28 04 25 11.4–.84 52.48N 132.66W 0 4.2,4.1 **¶606767971**
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=16.3km az=55.0.
ISC X 28 04 25 29.2–.31 52.59N–.05 132.51W–.05 18 5.2b 1093 3-156
IDC X 28 04 25 26.7–.50 52.59N 132.56W 0 4.9,4.8 **¶601857740**
ISCJB X 28 04 25 27.8–.11 52.63N–.02 132.47W–.03 18 5.2b,4.8
MOS X 28 04 25 27.3–.78 52.60N 132.55W 17 5.5b,4.8
NEIC X 28 04 25 28.5–.09 52.62N 132.49W 10 5.2b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=9.9km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.3km az=138.9.
MOS Error ellipse: s-maj=10.1km s-min=4.6km az=120.7.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.0km az=48.0.
ISC X 28 04 26 46.3–.58 52.71N–.06 132.38W–.05 14–3 5.2b 481 1-151
ISCJB X 28 04 26 43.1–1.0 52.75N–.02 132.40W–.04 4–7 5.1b **¶601853275**
IDC X 28 04 26 43.1–.73 52.62N 132.68W 0 4.8,4.6
MOS X 28 04 26 44.6–.96 52.80N 132.35W 16 5.5b,4.6
NEIC X 28 04 26 45.9–.57 52.74N 132.40W 11–3 5.1b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.3km az=135.8.
IDC Error ellipse: s-maj=21.3km s-min=13.2km az=15.0.
MOS Error ellipse: s-maj=12.4km s-min=6.2km az=115.4.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=1.6km az=45.0.
PGC X 28 04 29 49.5–.07 52.52N 131.80W 20 3.7L
¶603776101
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 81km south of Sandspit, Bc Haida Gwaii Region.
ISC X 28 04 33 41.9–.60 52.67N–.10 132.31W–.09 18 4.7b 111 1-88
IDC X 28 04 33 38.1–1.2 52.59N 132.56W 0 4.2,4.0 **¶601857741**
ISCJB X 28 04 33 40.2–.25 52.67N–.05 132.40W–.09 18 6.5s,4.5b
NEIC X 28 04 33 41.3–.24 52.70N 132.25W 10 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=19.8km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=2.7km az=140.7.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=2.6km az=51.0.
IDC X 28 04 39 11.9–2.6 52.60N 132.77W 0 4.3,3.9
¶601874239
IDC Error ellipse: s-maj=88.7km s-min=32.0km az=56.0.
ISC X 28 04 40 27.0–1.4 52.8N–.20 132.8W–.20 22 3.7b 9 1-78
IDC X 28 04 40 23.9–1.1 52.86N 132.72W 0 4.2,3.9 **¶601874240**
ISCJB X 28 04 40 25.4–1.3 52.8N–.20 132.6W–.30 22 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 04 41 03.6–.36 52.60N–.04 132.17W–.04 18 4.8b 467 0-151
PGC X 28 04 40 58.3–3.2 52.35N 132.34W 10 5.3W,5.1L **¶601999907**
IDC X 28 04 41 00.2–.54 52.46N 132.38W 0 4.6,4.4
ISCJB X 28 04 41 01.8–.14 52.56N–.02 132.28W–.04 18 6.6s,4.7b
MOS X 28 04 41 01.8–.90 52.57N 132.30W 18 5.1b,4.7b
NEIC X 28 04 41 02.6–.15 52.55N 132.30W 10 5.3W,4.7b
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 106km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=11.6km s-min=8.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.6km az=141.2.
MOS Error ellipse: s-maj=12.1km s-min=4.5km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=1.7km az=49.0. Felt at Burns Lake, Prince George, Quesnel and Smithers. Also felt at Juneau and Wrangell, Alaska. Moment Tensor Solution.
IDC X 28 04 44 12.5–4.3 52.63N 132.20W 0 4.3,4.0L
¶601999909
IDC Error ellipse: s-maj=133.1km s-min=10.9km az=62.0.
IDC X 28 04 47 42.7–1.9 53.20N 133.41W 0 4.0L,3.9
¶601999910
IDC Error ellipse: s-maj=22.2km s-min=14.2km az=2.0.
ISC X 28 04 49 11.4–1.0 52.53N–.05 131.92W–.05 15–5 4.2b 69 0-77
IDC X 28 04 49 09.4–1.4 52.44N 132.21W 0 4.2,3.9 **¶601857743**
ISCJB X 28 04 49 10.8–.85 52.53N–.03 131.99W–.09 11–4 4.1b,3.9
PGC X 28 04 49 10.7–4.6 52.48N 131.88W 16–0 4.4L,3.9
NEIC X 28 04 49 11.9–.54 52.69N 131.90W 10 4.4L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=10.1km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.0km az=155.1.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 86km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=4.8km az=65.0.
ISC X 28 04 51 47.5–1.5 52.55N–.05 132.11W–.05 5–8 4.2b 103 0-151
IDC X 28 04 51 46.5–1.1 52.47N 132.54W 0 4.2,4.0b **¶601999911**
ISCJB X 28 04 51 47.2–.77 52.60N–.03 132.21W–.07 8–4 4.1b,4.0b
PGC X 28 04 51 48.0–1.3 52.53N 132.06W 12–0 4.3L,4.0b
NEIC X 28 04 51 49.0–.30 52.70N 132.16W 10 4.3L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=9.5km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.4km az=146.8.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 81km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=2.7km az=57.0.
ISC X 28 04 53 13.5–1.4 52.62N–.05 132.02W–.05 1–9 4.3b 93 0-151
IDC X 28 04 53 12.4–1.2 52.49N 132.52W 0 4.3,4.1b **¶601999912**
PGC X 28 04 53 14.7–5.4 52.64N 131.97W 1 4.3L,4.1b
NEIC X 28 04 53 14.0–.00 52.64N 131.97W 1 4.3L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=9.8km az=79.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0. 68km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISC X 28 04 54 44.9–.60 52.81N–.05 132.19W–.07 10 4.3b 186 0-79
ISCJB X 28 04 54 42.7–.21 52.83N–.03 132.15W–.07 10 4.3b **¶601857744**
IDC X 28 04 54 42.7–1.1 52.66N 132.48W 0 4.2,4.0
NEIC X 28 04 54 44.5–.21 52.74N 132.32W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=2.1km az=145.9.
IDC Error ellipse: s-maj=24.8km s-min=8.8km az=77.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.0km az=52.0.
ISC X 28 05 02 49.4–.84 52.39N–.04 132.00W–.04 14–4 4.6b 475 0-151
PGC X 28 05 02 47.0–4.3 52.33N 132.03W 24–0 4.9L,4.5b **¶601857745**
IDC X 28 05 02 46.5–.49 52.33N 132.09W 0 4.5,4.4
ISCJB X 28 05 02 47.8–.15 52.52N–.02 131.90W–.04 10 4.6b,4.4
MOS X 28 05 02 48.1–1.1 52.51N 131.93W 14 4.8b,4.4
NEIC X 28 05 02 49.6–.23 52.44N 132.17W 10 4.5b,4.4
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 103km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=12.3km s-min=7.8km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=1.7km az=145.6.
MOS Error ellipse: s-maj=12.1km s-min=4.5km az=109.7.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.6km az=49.0.
ISC X 28 05 04 28.1–1.0 52.6N–.10 132.9W–.10 10 4.2b 38 5-78
IDC X 28 05 04 25.9–2.0 52.50N 133.19W 0 4.2,4.1L **¶601874241**
ISCJB X 28 05 04 26.6–.71 52.59N–.09 132.8W–.20 10 4.1b,4.1L
NEIC X 28 05 04 28.2–.57 52.55N 132.87W 10 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=66.7km s-min=24.3km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=5.0km az=138.6.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=3.8km az=46.0.
ISC X 28 05 09 04.1–.62 52.35N–.09 132.0W–.10 18 4.3b 75 4-88
IDC X 28 05 09 00.8–.86 52.22N 132.17W 0 4.3,4.1 **¶601874242**
ISCJB X 28 05 09 02.4–.33 52.40N–.05 131.9W–.10 18 4.2b,4.1
NEIC X 28 05 09 03.2–.21 52.35N 131.97W 10 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=15.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.4km az=143.6.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=2.2km az=53.0.
ISC X 28 05 15 14.4–.52 52.43N–.05 132.13W–.05 18 4.4b 248 0-88
PGC X 28 05 15 09.9–3.3 52.19N 132.26W 21–0 4.4L **¶601853281**
IDC X 28 05 15 11.0–.93 52.30N 132.38W 0 4.3,4.1
ISCJB X 28 05 15 13.1–.32 52.44N–.02 132.12W–.07 18 4.3b,4.1
NEIC X 28 05 15 13.7–.34 52.49N 132.07W 10 4.4L,4.3b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 121km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=17.2km s-min=10.4km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.0km az=159.8.
NEIC Event type ke. Error ellipse: s-maj=7.1km s-min=3.3km az=66.0.
ISC X 28 05 16 45.4–1.2 52.4N–.20 132.4W–.20 18 3.8b 8 6-77
IDC X 28 05 16 42.6–1.4 52.41N 132.37W 0 4.0,3.7 **¶601999915**
ISCJB X 28 05 16 43.8–1.1 52.5N–.10 132.4W–.30 18 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 05 18 40.4–.65 52.60N–.06 132.88W–.07 10 4.3b 110 1-88
ISCJB X 28 05 18 38.8–.28 52.63N–.03 133.01W–.07 10 4.2b **¶601874243**
IDC X 28 05 18 38.8–.86 52.53N 132.84W 0 4.1,3.9
NEIC X 28 05 18 41.0–.23 52.64N 132.93W 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=2.7km az=143.4.
IDC Error ellipse: s-maj=14.4km s-min=9.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.3km az=52.0.
ISC X 28 05 21 33.5–1.0 52.37N–.06 131.82W–.06 23–7 4.3b 186 0-88
IDC X 28 05 21 28.6–.98 52.22N 132.31W 0 4.3,4.1 **¶601853282**
PGC X 28 05 21 31.4–11 52.39N 131.82W 30–0 4.3L,4.1
NEIC X 28 05 21 32.7–.63 52.49N 131.79W 10 4.3L,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=22.5km s-min=13.4km az=50.0.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=-1.0. 95km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type fe. Error ellipse: s-maj=12.4km s-min=5.3km az=69.0. Felt at Port MacNeill.
ISC X 28 05 22 04.5–.57 52.38N–.09 131.98W–.08 18 4.3b 90 2-88
IDC X 28 05 22 01.8–.92 52.28N 132.11W 0 4.4,4.2 **¶606767972**
ISCJB X 28 05 22 02.6–.30 52.46N–.05 131.98W–.08 18 4.3b,4.2
NEIC X 28 05 22 03.6–.22 52.41N 132.01W 10 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=13.5km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.7km az=136.6.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=2.7km az=47.0.
ISC X 28 05 22 39.6–.87 52.3N–.10 131.94W–.09 18 4.2b 13 2-88
IDC X 28 05 22 36.5–1.0 52.23N 132.04W 0 4.5,4.2 **¶601999920**
ISCJB X 28 05 22 38.0–.75 52.3N–.10 132.1W–.10 18 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 05 24 51.9–.61 52.61N–.09 132.54W–.09 18 4.3b 78 1-88
IDC X 28 05 24 47.4–.72 52.33N 132.89W 0 4.2,4.0 **¶601874244**
ISCJB X 28 05 24 49.9–.35 52.62N–.05 132.68W–.10 18 4.2b,4.0
NEIC X 28 05 24 50.6–.35 52.62N 132.68W 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=10.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=3.4km az=57.0.
ISC X 28 05 27 54.6–.73 52.73N–.10 131.3W–.10 10 4.3b 52 2-88
IDC X 28 05 27 51.0–1.1 52.50N 131.81W 0 4.3,4.1 **¶601874245**
ISCJB X 28 05 27 53.0–.43 52.78N–.06 131.4W–.10 10 4.2b,4.1
NEIC X 28 05 27 54.7–.42 52.82N 131.32W 10 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=13.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.9km az=140.1.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=4.4km az=55.0.
ISC X 28 05 29 04.6–.70 52.89N–.09 131.42W–.08 10 4.3b 79 1-31
IDC X 28 05 29 02.0–1.6 52.59N 131.75W 0 4.2,4.0b **¶601999921**
ISCJB X 28 05 29 02.6–.28 52.88N–.05 131.43W–.09 10 4.2b,4.0b
NEIC X 28 05 29 04.7–.24 52.87N 131.39W 10 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=10.2km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=3.4km az=141.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=2.7km az=53.0.
IDC X 28 05 30 00.8–3.1 52.60N 131.85W 0 4.2,3.9L
¶601999924
IDC Error ellipse: s-maj=153.5km s-min=11.0km az=52.0.
ISC X 28 05 31 41.5–1.9 52.3N–.20 131.8W–.20 18 7 1-31
IDC X 28 05 31 39.1–2.0 52.28N 131.81W 0 4.1,4.0L **¶601999926**
ISCJB X 28 05 31 40.5–1.5 52.3N–.20 131.8W–.30 18 3.6b,4.0L
ISC Event type ke.

ISCJB Event type ke.
ISC X 28 05 35 24.0–.84 52.41N–.09 131.7W–.10 10 4.0b 54 5-87
IDC X 28 05 35 21.2–1.2 52.29N 132.16W 0 4.0,3.8b ¶601999928
ISCJB X 28 05 35 22.4–.50 52.41N–.06 131.7W–.20 10 3.9b,3.8b
NEIC X 28 05 35 24.1–.39 52.40N 131.69W 10 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=16.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=4.4km az=152.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=3.4km az=62.0.
ISC X 28 05 38 37.7–.61 52.29N–.06 131.83W–.06 18 4.3b 86 1-88
IDC X 28 05 38 32.3–1.1 52.22N 132.10W 0 4.1,4.0b ¶601853285
NEIC X 28 05 38 38.0–.31 51.94N 131.99W 10 4.1b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=8.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=3.1km az=50.0.
ISC X 28 05 41 25.3–.92 52.65N–.09 132.6W–.10 18 3.9b 30 1-77
IDC X 28 05 41 21.6–1.2 52.49N 132.80W 0 4.0,3.9L ¶601999929
ISCJB X 28 05 41 23.5–.53 52.69N–.06 132.5W–.10 18 4.0b,3.9L
NEIC X 28 05 41 24.1–.48 52.62N 132.55W 10 4.0b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=12.2km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.6km az=142.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.5km az=47.0.
ISC X 28 05 47 06.1–.49 52.37N–.04 131.50W–.04 10 4.3b 304 0-87
PGC X 28 05 47 02.6–2.6 52.22N 131.66W 1 5.2W,4.4L ¶601853286
IDC X 28 05 47 04.5–.92 52.37N 131.71W 0 4.2,4.0
ISCJB X 28 05 47 06.0–.17 52.48N–.02 131.46W–.05 10 4.3b,4.0
NEIC X 28 05 47 08.0–.17 52.47N 131.45W 10 4.2b,4.0
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 115km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=16.3km s-min=6.9km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=1.7km az=140.4.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=1.6km az=51.0.
ISC X 28 05 48 38.7–1.5 53.1N–.20 133.0W–.20 15 3.8b 6 0-76
IDC X 28 05 48 35.8–1.4 52.99N 133.26W 0 4.0,3.8 ¶601999931
ISCJB X 28 05 48 36.7–1.2 53.0N–.20 133.1W–.20 15 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 05 51 18.1–.43 52.77N–.07 132.75W–.06 22 4.7b 417 1-88
IDC X 28 05 51 14.0–.58 52.67N 132.95W 0 4.3,4.1 ¶601857752
ISCJB X 28 05 51 16.8–.17 52.84N–.03 132.67W–.05 22 5.8s,4.5b
MOS X 28 05 51 17.0–.84 52.77N 132.80W 24 4.7b,4.5b
NEIC X 28 05 51 17.3–.22 52.81N 132.72W 10 4.5b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.9km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=1.9km az=141.9.
MOS Error ellipse: s-maj=12.7km s-min=4.9km az=108.5.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.1km az=50.0.
ISC X 28 05 56 09.0–.65 52.70N–.08 132.76W–.09 10 4.1b 72 1-88
IDC X 28 05 56 06.8–1.0 52.59N 132.84W 0 4.2,4.0 ¶601874246
ISCJB X 28 05 56 07.6–.40 52.72N–.05 132.8W–.10 10 4.1b,4.0
NEIC X 28 05 56 09.4–.30 52.74N 132.77W 10 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.9km az=143.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.2km az=49.0.
ISC X 28 06 01 10.7–1.3 52.1N–.10 131.6W–.20 18 3.4b 8 6-77
IDC X 28 06 01 06.1–1.4 51.97N 132.24W 0 3.8,3.5 ¶601874247
ISCJB X 28 06 01 08.9–1.1 52.2N–.10 131.7W–.30 18 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 06 01 34.9–1.0 52.6N–.10 132.7W–.20 18 3.8b 33 3-78
IDC X 28 06 01 32.1–2.3 52.65N 132.70W 0 4.1,3.9b ¶601999934
ISCJB X 28 06 01 33.2–.60 52.7N–.10 132.6W–.20 18 3.9b,3.9b
NEIC X 28 06 01 34.2–.41 52.69N 132.59W 10 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=75.4km s-min=23.7km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=5.4km az=141.2.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=3.7km az=51.0.
ISC X 28 06 03 60.0–.90 52.45N–.09 132.5W–.10 18 4.0b 29 1-77
IDC X 28 06 03 57.6–1.2 52.37N 132.29W 0 4.0,3.8 ¶601999936
ISCJB X 28 06 03 59.0–.63 52.40N–.07 132.5W–.10 18 4.2b,3.8
NEIC X 28 06 04 00.1–.58 52.42N 132.47W 10 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=13.0km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=5.8km az=147.5.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.6km az=50.0.
IDC X 28 06 04 36.6–1.9 52.44N 131.91W 0 3.9,3.6
¶601999939
IDC Error ellipse: s-maj=39.5km s-min=29.9km az=82.0.
IDC X 28 06 08 52.4–3.1 52.03N 132.81W 0 4.0,3.7b
¶601999940
IDC Error ellipse: s-maj=155.1km s-min=24.9km az=47.0.
ISC X 28 06 16 51.7–.33 52.27N–.04 131.31W–.05 10 5.0b 934 0-151
IDC X 28 06 16 48.9–.57 52.14N 131.72W 0 4.8,4.6 ¶601853291
PGC X 28 06 16 48.6–11 52.19N 131.26W 3–0 5.2L,5.2W
BJI X 28 06 16 49.3 52.30N 131.20W 12 5.4s,5.3
ISCJB X 28 06 16 50.5–.14 52.32N–.02 131.22W–.03 10 4.9b,4.8s
NEIC X 28 06 16 52.1–.17 52.34N 131.36W 10 5.2W,5.0b
MOS X 28 06 16 52.0–1.0 52.30N 131.29W 22 5.1b,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=8.7km az=41.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 123km Sse of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.4km az=144.2.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=1.7km az=56.0. Felt at Port Hardy, Port MacNeill, Quesnel and Terrace. Also felt at Juneau and Ketchikan, Alaska. Moment Tensor Solution. $M_0$7.30000×10^{16}
MOS Error ellipse: s-maj=9.6km s-min=4.0km az=110.7.
ISC X 28 06 28 08.1–.81 52.55N–.08 132.0W–.10 10 4.2b 73 2-34
ISCJB X 28 06 28 06.1–.35 52.65N–.06 131.9W–.10 10 4.1b ¶601999941
IDC X 28 06 28 08.5–3.5 52.03N 132.07W 0 4.2,3.8b
NEIC X 28 06 28 08.4–.31 52.67N 131.75W 10 4.0b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=3.4km az=146.5.
IDC Error ellipse: s-maj=150.6km s-min=25.3km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=3.4km az=56.0.
ISC X 28 06 33 09.4–.85 52.23N–.09 132.8W–.10 10 4.1b 36 1-88
ISCJB X 28 06 33 06.4–.60 52.12N–.07 133.0W–.10 10 4.0b ¶601999943
IDC X 28 06 33 06.7–1.2 52.13N 132.95W 0 3.9b,3.8
NEIC X 28 06 33 08.1–1.5 52.09N 132.95W 10–9 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=5.7km az=145.1.
IDC Error ellipse: s-maj=31.3km s-min=16.4km az=52.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.5km az=50.0.
ISC X 28 06 35 36.7–.67 52.33N–.07 131.69W–.06 10 4.0b 89 1-77
IDC X 28 06 35 33.0–1.3 52.17N 132.40W 0 4.1,3.8 ¶601999944
ISCJB X 28 06 35 34.8–.30 52.37N–.04 131.60W–.08 10 4.0b,3.8
NEIC X 28 06 35 37.1–.31 52.32N 131.58W 10 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=16.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.1km az=143.5.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.2km az=51.0.
ISC X 28 06 37 53.2–1.7 52.4N–.10 132.2W–.10 10 7 2-77
ISCJB X 28 06 37 51.6–1.4 52.5N–.10 132.3W–.20 10 3.4b ¶601999945
IDC X 28 06 37 51.4–2.0 52.35N 132.27W 0 3.9,3.6
PGC X 28 06 37 54.7–.16 52.51N 131.93W 13–2 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=11.7km az=34.3.
IDC Error ellipse: s-maj=29.0km s-min=16.4km az=41.0.

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 82km south of Sandspit, Bc Haida Gwaii Region.
IDC X 28 06 39 58.5–9.8 53.50N 132.27W 0 3.9,3.8L
¶601999946
IDC Error ellipse: s-maj=164.5km s-min=82.0km az=174.0.
IDC X 28 06 42 55.9–2.5 52.36N 132.43W 0 3.8,3.5
¶601999947
IDC Error ellipse: s-maj=34.1km s-min=16.9km az=63.0.
ISC X 28 06 47 31.2–1.4 52.4N–.10 131.7W–.20 10 7 2-77
IDC X 28 06 47 28.9–1.6 52.30N 132.06W 0 3.7,3.7L ¶601999948
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=15.5km az=52.0.
IDC X 28 06 48 00.8–2.3 52.07N 132.53W 0 3.9,3.7L
¶601999951
IDC Error ellipse: s-maj=55.1km s-min=23.7km az=69.0.
ISC X 28 06 48 24.5–1.2 51.7N–.20 132.1W–.20 10 3.8b 7 3-78
ISCJB X 28 06 48 22.7–1.1 51.7N–.20 132.2W–.20 10 3.6b ¶601999954
IDC X 28 06 48 22.8–1.4 51.68N 132.20W 0 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=12.5km az=42.6.
IDC Error ellipse: s-maj=39.7km s-min=18.3km az=33.0.
IDC X 28 06 49 24.7–1.7 51.84N 132.54W 0 4.1,3.8b
¶601999955
IDC Error ellipse: s-maj=38.8km s-min=20.8km az=58.0.
ISC X 28 06 53 10.9–1.3 52.3N–.10 131.5W–.10 10 10 1-58
ISCJB X 28 06 53 10.4–.85 52.5N–.10 131.3W–.20 10 3.2b ¶601999956
IDC X 28 06 53 10.3–1.1 52.39N 131.35W 0 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=7.1km az=43.5.
IDC Error ellipse: s-maj=17.7km s-min=5.6km az=32.0.
ISC X 28 06 59 47.6–.81 52.04N–.08 132.30W–.08 10 4.3b 46 1-77
ISCJB X 28 06 59 46.1–.54 52.13N–.05 132.3W–.10 10 4.2b ¶601999957
IDC X 28 06 59 46.3–1.5 52.12N 132.34W 0 4.2s,4.2
NEIC X 28 06 59 47.4–1.5 52.13N 132.37W 10–3 4.0b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.3km az=145.1.
IDC Error ellipse: s-maj=26.3km s-min=15.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=14.7km az=202.0.
ISC X 28 07 01 45.3–1.1 52.2N–.10 131.9W–.10 18 3.6b 13 2-77
IDC X 28 07 01 41.9–1.2 52.13N 132.14W 0 3.9,3.7 ¶601853294
ISCJB X 28 07 01 43.6–1.0 52.25N–.09 131.9W–.20 18 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 07 02 17.4–.49 52.09N–.08 131.99W–.07 18 4.5b 205 2-151
IDC X 28 07 02 13.8–.61 52.13N 132.09W 0 4.5s,4.5 ¶601999958
ISCJB X 28 07 02 17.1–.25 52.00N–.03 131.93W–.06 18 4.4b,4.5
NEIC X 28 07 02 18.7–.29 51.98N 131.82W 10 4.4b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=9.0km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=2.9km az=140.2.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.0km az=53.0.
IDC X 28 07 03 47.7–1.5 52.53N 133.27W 0 4.0,3.7
¶601999960
IDC Error ellipse: s-maj=38.0km s-min=23.0km az=60.0.
IDC X 28 07 08 45.4–1.6 52.26N 131.29W 0 3.8,3.6
¶601999961
IDC Error ellipse: s-maj=37.2km s-min=15.3km az=71.0.
ISC X 28 07 09 29.3–.65 52.34N–.09 131.93W–.10 18 4.1b 81 7-88
IDC X 28 07 09 25.7–1.1 52.19N 132.13W 0 4.2,3.9 ¶601999964
ISCJB X 28 07 09 27.3–.39 52.35N–.06 132.0W–.10 18 4.0b,3.9
NEIC X 28 07 09 28.2–.28 52.36N 131.94W 10 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=17.9km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.8km az=142.4.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.4km az=52.0.
ISC X 28 07 12 14.0–.84 52.50N–.04 131.66W–.04 8–4 4.7b 461 0-151
PGC X 28 07 12 08.9–10 52.39N 132.14W 29–1 4.9W,4.6b ¶601853295
IDC X 28 07 12 09.2–.62 52.45N 132.05W 0 4.3,4.2
ISCJB X 28 07 12 12.5–.17 52.45N–.03 131.62W–.05 10 4.7b,4.2
NEIC X 28 07 12 13.9–.28 52.17N 132.33W 10 4.9W,4.6b
MOS X 28 07 12 13.0–1.4 52.23N 132.10W 13 5.0b,4.6b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 98km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=15.6km s-min=10.3km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=1.8km az=141.4.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=2.5km az=48.0. Moment Tensor Solution. $M_0$2.90000×10^{16}
MOS Error ellipse: s-maj=12.9km s-min=4.9km az=112.1.
ISC X 28 07 15 05.7–.49 52.62N–.06 132.37W–.07 18 4.4b 124 3-151
IDC X 28 07 15 02.6–.60 52.51N 132.35W 0 4.4,4.3b ¶601857757
ISCJB X 28 07 15 04.2–.26 52.67N–.03 132.31W–.07 18 4.3b,4.3b
NEIC X 28 07 15 04.9–.17 52.68N 132.25W 10 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=10.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.0km az=142.5.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.1km az=46.0.
ISC X 28 07 16 37.3–.57 52.64N–.04 132.49W–.04 15–3 5.0b 590 0-151
PGC X 28 07 16 34.5–17 52.60N 132.63W 24–2 4.9b,4.2L ¶601857758
IDC X 28 07 16 34.1–.52 52.61N 132.60W 0 4.8,4.8s
BJI X 28 07 16 34.8 52.80N 132.50W 11 5.3b,5.3s
ISCJB X 28 07 16 35.3–.14 52.79N–.02 132.45W–.04 10 4.9b,5.3s
NEIC X 28 07 16 37.3–.18 52.77N 132.56W 10 4.9b,5.3s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0. 90km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=15.7km s-min=9.7km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=1.6km az=141.5.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=1.9km az=49.0.
IDC X 28 07 21 02.9–1.9 52.26N 132.71W 0 4.2,3.8
¶601999966
IDC Error ellipse: s-maj=48.5km s-min=20.7km az=69.0.
ISC X 28 07 25 20.4–.62 52.26N–.04 131.39W–.04 6–3 5.0b 861 0-151
PGC X 28 07 25 16.2–17 52.11N 131.68W 12–1 5.2W,5.0b ¶601853297
IDC X 28 07 25 18.0–.44 52.17N 131.76W 0 4.8,4.7
MOS X 28 07 25 19.9–1.2 52.29N 131.64W 16 5.1b,4.7
ISCJB X 28 07 25 20.3–.49 52.38N–.02 131.39W–.03 14–3 4.9b,4.4s
NEIC X 28 07 25 21.5–.16 52.32N 131.56W 10 5.2W,5.0b
BJI X 28 07 25 21.6 52.85N 131.47W 14 5.6b,5.3s
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. 127km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=12.0km s-min=7.8km az=49.0.
MOS Error ellipse: s-maj=8.9km s-min=3.8km az=111.7.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.6km az=143.8.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=1.7km az=49.0. Felt at Juneau and Thorne Bay, Alaska. Moment Tensor Solution. $M_0$6.90000×10^{16}
ISC X 28 07 34 46.5–1.2 52.3N–.10 131.9W–.10 10 9 2-77
IDC X 28 07 34 43.4–1.7 52.17N 132.36W 0 4.4,4.4s ¶601999968
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=17.2km az=58.0.
IDC X 28 07 37 13.8–2.6 52.67N 132.53W 0 3.9,3.6b
¶601999969
IDC Error ellipse: s-maj=143.6km s-min=21.8km az=50.0.
ISC X 28 07 39 05.1–.69 52.03N–.07 131.67W–.09 23 3.8b 52 4-77
IDC X 28 07 39 03.8–1.1 52.15N 132.17W 0 4.0,3.9b ¶601999970
NEIC X 28 07 39 06.0–.47 51.98N 131.25W 10 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=18.5km az=55.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=3.8km az=49.0.
IDC X 28 07 39 53.8–8.1 52.05N 133.04W 0 3.8,3.8L

¶601999973

IDC Error ellipse: s-maj=177.3km s-min=21.2km az=76.0.
ISC X 28 07 43 25.5–1.3 52.56N–.10 132.3W–.10 18 10 3-77
IDC X 28 07 43 22.7–1.6 52.53N 132.45W 0 3.8,3.6 **¶601999974**
ISCJB X 28 07 43 23.6–1.2 52.55N–.07 132.5W–.20 18 3.5b,3.6
PGC X 28 07 43 25.1–.23 52.65N 132.46W 32–3 3.5b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=12.7km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.9km az=154.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0. 79km southwest of Sandspit, Bc Haida Gwaii Region.
IDC X 28 07 46 59.6–4.5 52.45N 132.32W 0 4.0,3.6

¶601999975

IDC Error ellipse: s-maj=83.1km s-min=21.5km az=76.0.
ISC X 28 07 56 27.3–.85 52.65N–.07 132.16W–.09 18 3.9b 45 3-77
ISCJB X 28 07 56 25.4–.50 52.56N–.05 132.22W–.10 18 4.1b **¶601999977**
IDC X 28 07 56 25.1–1.7 52.56N 132.19W 0 3.9,3.9L
NEIC X 28 07 56 26.7–.47 52.64N 132.06W 10 4.0b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.0km az=144.2.
IDC Error ellipse: s-maj=25.7km s-min=13.2km az=49.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.5km az=53.0.
IDC X 28 07 56 55.5–3.9 51.81N 133.70W 0 4.0,4.0L

¶601999980

IDC Error ellipse: s-maj=224.5km s-min=32.5km az=41.0.
ISC X 28 08 01 27.4–.73 52.15N–.06 132.37W–.07 10 4.0b 127 1-77
PGC X 28 08 01 24.9–1.8 53.08N 132.26W 2–136 4.0b **¶601999981**
ISCJB X 28 08 01 25.1–.30 52.11N–.04 132.51W–.08 10 3.9b
IDC X 28 08 01 25.2–1.5 52.20N 132.30W 0 3.9,3.8b
NEIC X 28 08 01 26.8–.32 52.04N 132.63W 10 4.0b,3.8b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=10.0km s-min=2.7km az=-1.0. 35km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=2.9km az=147.1.
IDC Error ellipse: s-maj=24.0km s-min=8.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.0km az=53.0.
ISC X 28 08 07 47.4–1.2 52.29N–.10 132.0W–.10 18 12 1-77
IDC X 28 08 07 45.0–1.6 52.27N 132.06W 0 4.0,3.6 **¶601999982**
ISCJB X 28 08 07 46.5–1.0 52.30N–.07 132.0W–.10 18 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 08 12 22.6–2.7 52.41N 133.85W 0 3.8L,3.7

¶601999983

IDC Error ellipse: s-maj=59.5km s-min=24.7km az=45.0.
IDC X 28 08 15 00.7–11 52.38N 131.49W 0 3.9,3.7b

¶601999984

IDC Error ellipse: s-maj=149.3km s-min=46.9km az=131.0.
ISC X 28 08 15 46.1–.83 52.37N–.07 131.7W–.10 10 4.3b 123 2-87
IDC X 28 08 15 35.5–1.3 51.90N 132.01W 0 3.9,3.8 **¶601999987**
ISCJB X 28 08 15 44.7–.28 52.39N–.04 131.73W–.09 10 4.1b,3.8
NEIC X 28 08 15 46.6–.23 52.41N 131.68W 10 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=13.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=2.7km az=142.7.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.1km az=51.0.
IDC X 28 08 17 10.1–1.6 52.14N 132.48W 0 4.1,3.9b

¶601999988

IDC Error ellipse: s-maj=34.9km s-min=22.1km az=46.0.
ISC X 28 08 19 33.4–1.3 52.1N–.10 132.2W–.10 10 10 1-77
ISCJB X 28 08 19 32.5–1.1 52.16N–.09 132.2W–.20 10 3.7b **¶601999989**
IDC X 28 08 19 32.0–1.8 52.10N 132.26W 0 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=8.4km az=138.7.
IDC Error ellipse: s-maj=28.1km s-min=12.6km az=56.0.
IDC X 28 08 20 50.1–5.4 52.15N 132.71W 0 4.0,3.6

¶601999990

IDC Error ellipse: s-maj=103.4km s-min=21.8km az=79.0.
ISC X 28 08 22 03.2–.65 52.29N–.06 131.59W–.06 10 4.3b 97 2-88
IDC X 28 08 21 56.6–1.0 52.09N 131.93W 0 4.0,3.8 **¶601853299**
ISCJB X 28 08 22 02.4–.35 52.36N–.03 131.60W–.09 10 4.2b,3.8
NEIC X 28 08 22 04.1–.39 52.09N 132.07W 10 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=11.0km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.1km az=151.9.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.7km az=51.0.
ISC X 28 08 38 01.8–1.3 52.3N–.10 131.1W–.20 10 3.5b 11 2-77
IDC X 28 08 37 59.7–1.5 52.37N 131.09W 0 3.7,3.5 **¶601999991**
ISCJB X 28 08 38 00.3–1.1 52.4N–.10 131.0W–.20 10 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 08 45 54.3–1.3 51.7N–.10 133.2W–.20 10 3.5b 10 3-88
IDC X 28 08 45 52.3–1.8 51.78N 133.34W 0 3.8,3.7L **¶601999992**
ISCJB X 28 08 45 53.4–1.3 51.8N–.10 133.2W–.30 10 3.5b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 08 47 41.2–.62 52.44N–.06 132.00W–.07 18 4.0b 144 1-88
IDC X 28 08 47 38.2–.97 52.29N 132.15W 0 4.1,4.1 **¶601853300**
ISCJB X 28 08 47 39.5–.27 52.39N–.04 132.09W–.07 18 4.2s,4.0b
NEIC X 28 08 47 39.7–.56 52.16N 132.34W 10 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.1km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.0km az=144.5.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=4.9km az=48.0.
ISC X 28 08 48 54.1–.80 52.67N–.09 132.3W–.10 18 4.4b 83 1-93
IDC X 28 08 48 50.0–1.0 52.56N 132.93W 0 4.4,4.4 **¶601999995**
ISCJB X 28 08 48 52.0–.60 52.68N–.05 132.6W–.10 18 4.4s,4.4b
NEIC X 28 08 48 52.1–.35 52.69N 132.72W 10 4.4b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=10.8km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=4.6km az=152.3.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.0km az=59.0.
ISC X 28 08 54 38.8–.72 52.58N–.07 132.14W–.08 18 4.1b 89 1-88
IDC X 28 08 54 35.3–1.4 52.43N 132.45W 0 4.1,3.8 **¶601999996**
ISCJB X 28 08 54 37.1–.38 52.54N–.04 132.3W–.10 18 4.1b,3.8
NEIC X 28 08 54 38.4–.25 52.58N 132.10W 10 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=8.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.6km az=149.8.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.6km az=57.0.
IDC X 28 08 56 23.0–1.7 52.15N 132.57W 0 3.9,3.9L

¶601999997

IDC Error ellipse: s-maj=46.4km s-min=14.6km az=6.0.
IDC X 28 09 00 23.3–2.9 52.90N 132.18W 0 3.6,3.5L

¶601999998

IDC Error ellipse: s-maj=176.4km s-min=30.9km az=48.0.
ISC X 28 09 05 02.8–1.4 52.0N–.10 131.4W–.20 23 9 2-31
IDC X 28 09 05 00.4–1.3 52.09N 131.38W 0 3.8,3.6 **¶602000000**
ISCJB X 28 09 05 02.7–1.3 52.2N–.10 131.3W–.30 23 3.4b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 09 13 12.2–1.1 53.38N 131.99W 0 4.0L,3.8

¶602000003

IDC Error ellipse: s-maj=22.9km s-min=6.8km az=151.0.
ISC X 28 09 14 20.1–1.4 52.0N–.10 132.7W–.20 10 7 7-74
IDC X 28 09 14 18.7–2.1 51.99N 132.87W 0 4.0,3.7 **¶602000004**
ISCJB X 28 09 14 19.5–1.7 52.1N–.10 132.5W–.40 10 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 09 15 46.1–.51 52.36N–.07 131.70W–.06 10 4.3b 264 1-151
ISCJB X 28 09 15 44.0–.22 52.32N–.03 131.90W–.06 10 4.2b **¶601853301**
IDC X 28 09 15 44.1–.83 52.36N 131.73W 0 4.2,4.0
NEIC X 28 09 15 46.2–.26 52.28N 131.91W 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=142.5.
IDC Error ellipse: s-maj=15.8km s-min=7.3km az=38.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.0km az=50.0.
IDC X 28 09 16 27.4–1.6 52.07N 132.36W 0 4.1,3.8

¶601857760

IDC Error ellipse: s-maj=37.1km s-min=30.7km az=59.0.
ISC X 28 09 17 28.6–.52 52.31N–.04 131.84W–.04 16–2 5.2b,5.1s 970 0-163
BJI X 28 09 17 24.8 52.20N 132.00W 10 5.5b,5.2s **¶602000006**
IDC X 28 09 17 25.4–.44 52.23N 132.08W 0 5.0,5.0s
PGC X 28 09 17 26.1–15 52.17N 131.88W 11–9 5.3W,5.1b
MOS X 28 09 17 26.4–.96 52.14N 132.15W 17 5.4b,5.1s
NEIC X 28 09 17 27.7–.11 52.24N 132.01W 10 5.3W,5.1b
ISCJB X 28 09 17 27.1–.41 52.26N–.02 131.96W–.03 20–3 5.1s,5.1b
ISC Event type fe.
PGC Event type ke. 120km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type fe. Felt at Terrace. Moment Tensor Solution. $M_0 9.80000 \times 10^{16}$
ISCJB Event type fe.
ISC X 28 09 22 47.7–.53 52.49N–.08 131.66W–.08 10 4.5b 147 1-147
IDC X 28 09 22 43.6–.74 52.43N 132.10W 0 4.3,4.1 **¶601853303**
ISCJB X 28 09 22 48.5–.27 52.49N–.05 131.29W–.09 10 5.5s,4.4b
NEIC X 28 09 22 50.5–.28 52.55N 131.20W 10 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=7.3km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=2.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=2.7km az=52.0.
ISC X 28 09 23 53.2–1.0 52.4N–.20 132.1W–.20 18 4.0b 9 14-97
IDC X 28 09 23 49.8–1.1 52.18N 132.36W 0 4.3,4.1 **¶602000012**
ISCJB X 28 09 23 51.7–.91 52.4N–.20 132.0W–.20 18 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 09 26 38.5–.74 52.47N–.09 131.91W–.08 18 3.9b 44 1-77
IDC X 28 09 26 35.2–1.1 52.39N 131.91W 0 4.0,3.9b **¶601883578**
ISCJB X 28 09 26 36.4–.49 52.33N–.07 132.0W–.10 18 3.8b,3.9b
NEIC X 28 09 26 36.7–.62 52.08N 132.27W 10 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=7.2km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=5.0km az=142.7.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=6.9km az=51.0.
ISC X 28 09 29 53.0–.81 52.4N–.10 132.1W–.10 18 4.0b 17 1-88
IDC X 28 09 29 50.3–.90 52.26N 132.05W 0 4.9,4.9s **¶602000013**
ISCJB X 28 09 29 51.3–.72 52.25N–.08 132.2W–.20 18 4.9s,3.9b
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 09 31 40.8–4.5 52.18N 132.07W 0 4.1,3.7

¶602000014

IDC Error ellipse: s-maj=73.9km s-min=20.6km az=69.0.
ISC X 28 09 36 37.7–.43 52.36N–.06 132.14W–.05 18 4.8b,4.5s 465 1-151
PGC X 28 09 36 35.6 52.34N 132.38W 16 4.8b,4.5s **¶601857763**
NEIC X 28 09 36 35.0–.00 52.36N 132.37W 15 4.7L,4.6b
IDC X 28 09 36 35.4–.76 52.53N 131.73W 0 4.3,4.3
ISCJB X 28 09 36 36.1–.15 52.40N–.02 132.09W–.04 18 4.7b,4.4s
ISC Event type ke.
PGC Event type ke. 108km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISCJB Event type ke.
ISC X 28 09 40 38.5–.98 52.4N–.10 131.93W–.10 18 3.8b 13 1-41
IDC X 28 09 40 36.0–1.2 52.38N 132.04W 0 4.2,4.0 **¶601853305**
ISCJB X 28 09 40 37.2–.84 52.48N–.09 131.9W–.10 18 3.8b,4.0
PGC X 28 09 40 37.5 51.79N 131.68W 1 3.8b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=7.2km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.1km az=37.2.
PGC Event type ke. 162km south of Sandspit, Bc Haida Gwaii Region.
ISC X 28 09 41 14.2–.53 52.38N–.07 132.05W–.07 10 4.3b 162 1-88
IDC X 28 09 41 12.2–.83 52.28N 132.30W 0 4.2,4.0 **¶602000016**
NEIC X 28 09 41 15.8–.29 52.08N 132.24W 10 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=9.9km az=25.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=2.5km az=53.0.
ISC X 28 09 43 45.7–1.3 52.2N–.10 131.7W–.10 10 3.7b 11 1-77
ISCJB X 28 09 43 44.4–.95 52.20N–.09 131.8W–.10 10 3.6b **¶602000018**
IDC X 28 09 43 44.1–1.4 52.20N 131.75W 0 4.0,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=7.5km az=43.5.
IDC Error ellipse: s-maj=25.5km s-min=8.1km az=49.0.
ISC X 28 09 44 50.9–1.0 52.5N–.10 131.2W–.20 10 3.9b 10 6-73
IDC X 28 09 44 48.4–1.3 52.44N 131.53W 0 4.1,4.0b **¶601857765**
ISCJB X 28 09 44 49.2–.89 52.55N–.09 131.2W–.20 10 3.9b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 09 45 38.0–.67 52.81N–.03 132.25W–.03 17–3 4.8b 547 0-151
IDC X 28 09 45 34.7–.57 52.71N 132.25W 0 4.6,4.6b **¶602000019**
MOS X 28 09 45 36.6–.89 52.87N 132.35W 15 5.0b,4.6b
PGC X 28 09 45 36.3–2.5 52.77N 132.34W 21–0 4.9W,4.8L
ISCJB X 28 09 45 38.3–.41 52.91N–.02 132.27W–.04 25–2 4.7b,4.2s
NEIC X 28 09 45 38.5–.19 52.95N 132.25W 10 4.8W,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=8.9km az=42.0.
MOS Error ellipse: s-maj=9.8km s-min=4.2km az=105.2.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 63km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=1.8km az=138.4.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=2.0km az=46.0. Moment Tensor Solution. $M_0 2.30000 \times 10^{16}$
ISC X 28 09 49 12.3–.96 52.6N–.20 131.5W–.20 10 3.8b 11 1-88
ISCJB X 28 09 49 11.3–.74 52.7N–.10 131.5W–.20 10 3.8b **¶602000022**
IDC X 28 09 49 11.1–1.1 52.67N 131.48W 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=7.9km az=39.6.
IDC Error ellipse: s-maj=31.3km s-min=7.4km az=38.0.
ISC X 28 09 52 58.6–.54 52.89N–.09 131.69W–.07 10 4.1b 109 1-88
PGC X 28 09 52 52.0 52.51N 131.97W 2 4.1b **¶601853307**
IDC X 28 09 52 56.8–.84 52.82N 131.79W 0 4.0,3.9b
ISCJB X 28 09 52 57.3–.23 52.91N–.04 131.70W–.08 10 4.1b,3.9b
NEIC X 28 09 52 59.2–.26 52.94N 131.61W 10 4.1L,4.1b
ISC Event type ke.
PGC Event type ke. 82km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=23.2km s-min=6.1km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=2.8km az=135.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.0km az=52.0.
IDC X 28 09 55 36.0–1.9 52.53N 131.98W 0 3.9,3.7

¶602000024

IDC Error ellipse: s-maj=32.1km s-min=7.8km az=51.0.
ISC X 28 10 01 30.6–1.1 52.4N–.10 131.35W–.10 10 11 1-77
ISCJB X 28 10 01 29.4–.93 52.4N–.10 131.4W–.10 10 3.5b **¶602000026**
IDC X 28 10 01 29.3–1.4 52.33N 131.40W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=7.3km az=40.0.
IDC Error ellipse: s-maj=25.2km s-min=10.5km az=44.0.
ISC X 28 10 02 01.9–1.1 52.40N–.09 132.0W–.20 18 3.8b 13 1-88
IDC X 28 10 01 59.1–1.2 52.34N 132.09W 0 4.0,3.8b **¶602000029**
ISCJB X 28 10 02 00.7–.83 52.43N–.07 131.9W–.20 18 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 10 04 37.8–.37 52.87N–.04 132.36W–.05 22 4.5b 361 0-151
IDC X 28 10 04 33.4–.58 52.72N 132.41W 0 4.3,4.3b **¶601853308**
PGC X 28 10 04 34.9–.13 52.80N 132.35W 25–0 4.3,4.3b
MOS X 28 10 04 34.9–.86 52.87N 132.43W 13 4.9b,4.3b
NEIC X 28 10 04 34.0–.00 52.81N 132.33W 20 5.0L,4.4b

ISCJB X 28 10 04 36.4–.17 52.90N–.02 132.45W–.05 22 4.5b,4.0s
ISC Event type ke.
PGC Event type ke. 61km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISCJB Event type ke.
ISC X 28 10 10 27.4–.49 52.40N–.06 132.33W–.06 18 4.3b 171 1-151
IDC X 28 10 10 23.5–.63 52.29N 132.56W 0 4.3,4.2 **¶601853309**
PGC X 28 10 10 25.5 52.39N 132.38W 11 4.3,4.2
NEIC X 28 10 10 25.0–.00 52.36N 132.37W 15 4.6L,4.2b
ISCJB X 28 10 10 26.3–.21 52.41N–.03 132.30W–.06 18 4.2b,4.2b
ISC Event type ke.
PGC Event type ke. 103km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISCJB Event type ke.
IDC X 28 10 14 52.5–3.4 52.09N 132.93W 0 4.0L,3.9
PGC X 28 10 14 31.9–.28 52.62N 132.62W 23–5 4.0L,3.9 **¶602000030**
IDC Error ellipse: s-maj=75.9km s-min=23.7km az=64.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 88km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 28 10 18 54.9–1.5 52.4N–.10 132.4W–.20 18 10 1-58
IDC X 28 10 18 52.9–2.8 52.43N 132.46W 0 3.9,3.7L **¶602000031**
ISCJB X 28 10 18 54.4–1.9 52.5N–.10 132.3W–.40 18 2.9b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 10 23 10.1–.34 52.81N–.05 132.55W–.05 22 4.7b 576 0-151
IDC X 28 10 23 04.6–.50 52.61N 132.74W 0 4.3,4.2 **¶606767975**
MOS X 28 10 23 07.4–1.4 52.62N 132.91W 17 5.0b,4.2
ISCJB X 28 10 23 08.4–.13 52.77N–.02 132.72W–.04 22 4.6b,4.4s
NEIC X 28 10 23 08.6–.17 52.81N 132.67W 10 4.5b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=9.8km s-min=6.6km az=89.0.
MOS Error ellipse: s-maj=10.4km s-min=4.1km az=110.4.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=1.5km az=143.1.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=1.8km az=49.0.
ISC X 28 10 24 16.3–.48 52.30N–.07 131.81W–.06 18 4.6b 100 2-152
IDC X 28 10 24 10.8–.83 52.03N 132.02W 0 4.4,4.3b **¶601857767**
ISCJB X 28 10 24 14.7–.30 52.25N–.05 131.92W–.07 18 4.5b,4.3b
NEIC X 28 10 24 15.6–.35 52.30N 131.83W 10 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=11.5km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.7km az=41.1.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.5km az=224.0.
ISC X 28 10 26 09.6–.57 52.29N–.08 131.58W–.06 10 4.3b 105 1-151
IDC X 28 10 26 05.7–.95 52.01N 131.90W 0 4.3,4.1 **¶601883913**
ISCJB X 28 10 26 09.0–.39 52.29N–.05 131.51W–.10 10 4.3b,4.1
NEIC X 28 10 26 12.3–.45 52.37N 131.22W 10 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=12.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.1km az=142.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.0km az=52.0.
IDC X 28 10 28 24.0–1.9 51.91N 131.70W 0 3.8,3.8L
¶602000032
IDC Error ellipse: s-maj=40.0km s-min=18.1km az=15.0.
IDC X 28 10 29 01.0–1.9 51.83N 131.77W 0 3.8,3.7L
¶602000035
IDC Error ellipse: s-maj=34.9km s-min=23.1km az=5.0.
IDC X 28 10 31 56.8–4.7 51.91N 131.54W 0 3.8,3.5
PGC X 28 10 31 16.7–.33 52.77N 132.48W 31–5 3.8,3.5 **¶602000036**
IDC Error ellipse: s-maj=63.2km s-min=28.1km az=94.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 69km southwest of Sandspit, Bc Haida Gwaii Region.
IDC X 28 10 37 43.9–1.4 52.85N 132.57W 0 3.9,3.9s
¶602000039
IDC Error ellipse: s-maj=30.9km s-min=8.4km az=88.0.
ISC X 28 10 41 34.5–1.1 51.9N–.10 130.9W–.20 10 3.7b 9 7-78
ISCJB X 28 10 41 32.4–.97 51.7N–.10 131.1W–.30 10 3.7b **¶602000041**
IDC X 28 10 41 32.1–1.2 51.69N 131.13W 0 3.8,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=10.7km az=144.4.
IDC Error ellipse: s-maj=39.3km s-min=16.7km az=60.0.
ISC X 28 10 43 22.5–.66 52.16N–.10 131.96W–.09 18 4.0b 43 1-88
IDC X 28 10 43 18.7–.97 52.07N 132.22W 0 4.0b,3.9 **¶601883914**
NEIC X 28 10 43 22.3–.59 52.01N 132.10W 10 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.0km az=42.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.7km az=46.0.
ISC X 28 10 44 33.8–1.3 52.1N–.10 132.0W–.10 18 3.8b 10 2-77
IDC X 28 10 44 31.2–1.4 52.18N 132.02W 0 4.1,3.9 **¶602000042**
ISCJB X 28 10 44 32.4–.00 52.2N–.10 132.1W–.10 18 3.8b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 10 45 51.0–.56 52.58N–.04 132.48W–.04 19–2 4.7b 708 0-163
IDC X 28 10 45 47.8–.44 52.53N 132.63W 0 4.5,4.5b **¶601853313**
MOS X 28 10 45 48.2–.97 52.56N 132.57W 10 4.9b,4.5b
NEIC X 28 10 45 48.0–.00 52.48N 132.52W 25 5.1W,4.6b
PGC X 28 10 45 49.6–.12 52.54N 132.55W 0–4 5.1W,4.6b
ISCJB X 28 10 45 50.1–.45 52.62N–.02 132.45W–.04 22–3 4.7b,3.5s
ISC Event type ke.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$4.80000×10^{16}
PGC Event type ke. 93km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 28 10 50 32.6–.47 52.50N–.06 132.03W–.06 18 4.4b 341 1-151
IDC X 28 10 50 29.0–.67 52.37N 132.24W 0 4.4,4.3b **¶601857769**
ISCJB X 28 10 50 31.2–.17 52.57N–.03 131.94W–.05 18 4.4b,2.6s
NEIC X 28 10 50 31.0–.00 52.48N 132.23W 5 4.5L,4.3b
PGC X 28 10 50 35.5–.27 52.65N 132.26W 1–38 4.5L,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=6.9km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=1.9km az=140.5.
NEIC Event type se. After OTT.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 72km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 28 10 59 15.0–.55 52.42N–.06 131.93W–.06 18 4.2b 232 1-151
IDC X 28 10 59 11.1–.84 52.27N 132.35W 0 4.3,4.1b **¶601853317**
ISCJB X 28 10 59 13.2–.22 52.39N–.03 132.05W–.06 18 4.2b,4.1b
NEIC X 28 10 59 14.6–.23 52.42N 131.94W 10 4.0b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=7.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.1km az=145.8.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=2.0km az=53.0.
ISC X 28 11 00 15.4–1.7 52.3N–.20 132.8W–.30 18 3.6b 6 6-77
IDC X 28 11 00 12.9–1.5 52.39N 132.65W 0 3.8,3.6 **¶602000046**
ISCJB X 28 11 00 14.3–1.4 52.4N–.20 132.7W–.40 18 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 11 04 45.0–1.1 52.38N–.09 133.1W–.10 10 11 1-151
IDC X 28 11 04 44.0–1.5 52.33N 133.06W 0 3.9,3.8b **¶602000048**
ISCJB X 28 11 04 45.1–1.1 52.37N–.07 132.8W–.20 10 3.8s,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 11 07 38.4–1.4 52.5N–.10 132.4W–.20 18 3.5b 11 1-77
IDC X 28 11 07 35.3–1.4 52.37N 132.59W 0 3.9,3.8b **¶602000049**
ISCJB X 28 11 07 36.8–1.2 52.43N–.10 132.4W–.20 18 3.6b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 11 17 19.5–.47 52.48N–.07 132.07W–.07 18 4.4b 373 1-151
IDC X 28 11 17 16.3–.66 52.39N 132.13W 0 4.2,4.1 **¶601853319**
NEIC X 28 11 17 16.0–.00 52.40N 132.42W 5 4.5L,4.3b
PGC X 28 11 17 16.7 52.39N 132.38W 17 4.5L,4.3b
ISCJB X 28 11 17 17.8–.19 52.51N–.03 132.09W–.05 18 4.4b,4.2s
ISC Event type ke.
NEIC Event type se. After OTT.
PGC Event type ke. 103km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
PGC X 28 11 23 41.8 52.59N 132.29W 18
NEIC X 28 11 23 42.0–.00 52.61N 132.23W 20 4.1L **¶602000050**
PGC Event type ke. 80km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISC X 28 11 27 47.7–.74 52.43N–.04 132.04W–.04 26–4 4.9b,4.7s 856 0-152
BJI X 28 11 27 42.2 52.40N 132.20W 11 5.4b,5.1s **¶603776108**
PGC X 28 11 27 42.6–11 52.26N 132.30W 25–1 5.2W,4.9L
IDC X 28 11 27 43.0–.44 52.31N 132.24W 0 4.6,4.5
MOS X 28 11 27 44.4–.98 52.43N 132.16W 16 5.1b,4.6s
NEIC X 28 11 27 45.7–.12 52.45N 132.13W 10 5.2W,4.8b
ISCJB X 28 11 27 45.6–.39 52.48N–.02 132.04W–.03 23–2 4.8b,4.6s
ISC Event type ke.
PGC Event type ke. 115km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution. $M_0$7.00000×10^{16}
ISCJB Event type ke.
ISC X 28 11 34 44.6–1.5 52.4N–.10 132.7W–.20 18 4.1b 10 1-88
IDC X 28 11 34 41.5–1.4 52.32N 132.90W 0 4.1,4.0b **¶602000051**
ISCJB X 28 11 34 42.7–1.3 52.35N–.08 132.9W–.30 18 3.9b,4.0b
PGC X 28 11 34 44.2 52.39N 132.38W 17 3.9b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=8.9km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=9.5km az=162.9.
PGC Event type ke. 103km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 28 11 48 51.4–1.3 52.5N–.10 132.8W–.20 10 3.8b 10 1-77
ISCJB X 28 11 48 49.8–1.0 52.46N–.08 132.9W–.20 10 3.6b **¶602000052**
IDC X 28 11 48 49.7–1.4 52.42N 132.95W 0 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=9.3km az=156.4.
IDC Error ellipse: s-maj=23.4km s-min=14.3km az=75.0.
ISC X 28 11 53 19.6–1.3 52.40N–.04 132.22W–.04 5–7 4.8b,3.9s 577 0-151
MOS X 28 11 53 18.9–.91 52.48N 132.12W 10 4.9b,3.9s **¶601853324**
NEIC X 28 11 53 18.0–.00 52.36N 132.37W 20 5.1W,4.6b
PGC X 28 11 53 18.6–3.3 52.35N 132.39W 24–0 5.1W,4.6b
IDC X 28 11 53 18.0–.57 52.33N 132.47W 0 4.2,4.1
ISCJB X 28 11 53 20.6–.44 52.48N–.02 132.14W–.04 22–3 4.7b,4.0s
ISC Event type ke.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$5.80000×10^{16}
PGC Event type ke. 107km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 28 11 58 44.8–1.3 52.5N–.10 132.7W–.20 10 3.6b 11 1-77
ISCJB X 28 11 58 42.9–1.0 52.42N–.09 132.7W–.20 10 3.6b **¶601874250**
IDC X 28 11 58 43.0–1.3 52.41N 132.80W 0 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=9.2km az=152.6.
IDC Error ellipse: s-maj=23.4km s-min=13.2km az=68.0.
IDC X 28 12 05 05.1–2.4 52.03N 132.39W 0 3.8,3.7b
¶602000053
IDC Error ellipse: s-maj=41.6km s-min=15.5km az=71.0.
ISC X 28 12 09 41.8–.70 52.73N–.06 132.33W–.09 18 4.1b 127 0-79
IDC X 28 12 09 37.8–1.5 52.61N 132.58W 0 3.9,3.7b **¶601853327**
ISCJB X 28 12 09 39.6–.27 52.67N–.03 132.53W–.08 18 4.1b,3.8s
NEIC X 28 12 09 40.9–.24 52.64N 132.45W 10 4.0b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=13.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=2.5km az=147.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=2.2km az=52.0.
ISC X 28 12 12 49.8–1.6 52.4N–.20 130.9W–.20 10 6 2-31
IDC X 28 12 12 50.2–1.6 52.10N 130.95W 0 3.7,3.5b **¶602000056**
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=12.2km az=176.0.
IDC X 28 12 15 12.4–3.8 52.00N 132.68W 0 3.8,3.7L
¶602000057
IDC Error ellipse: s-maj=154.0km s-min=26.6km az=53.0.
ISC X 28 12 17 59.7–.61 52.65N–.07 131.91W–.07 18 4.2b 225 1-79
NEIC X 28 12 17 56.0–.00 52.51N 132.04W 10 4.4L,4.0b **¶601857777**
PGC X 28 12 17 57.4 52.55N 132.02W 2 4.4L,4.0b
IDC X 28 12 17 57.6–.99 52.54N 131.81W 0 4.2,4.0s
ISCJB X 28 12 17 58.7–.24 52.68N–.03 131.82W–.06 18 4.1b,3.9s
ISC Event type ke.
NEIC Event type se. After OTT.
PGC Event type ke. 79km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 28 12 23 11.3–1.5 52.6N–.10 132.9W–.20 10 3.4b 8 1-77
PGC X 28 12 22 43.0–.18 52.82N 132.41W 12–5 3.4b **¶602000059**
ISCJB X 28 12 23 09.0–1.4 52.59N–.09 133.1W–.30 10 3.5b
IDC X 28 12 23 09.1–1.3 52.57N 133.01W 0 3.6,3.5b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 62km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=11.9km az=163.5.
IDC Error ellipse: s-maj=20.6km s-min=10.7km az=97.0.
ISC X 28 12 28 05.4–1.5 52.6N–.10 131.9W–.20 10 8 2-63
ISCJB X 28 12 28 04.1–1.3 52.65N–.08 131.9W–.30 10 3.4b **¶602000061**
IDC X 28 12 28 04.8–1.5 52.67N 131.65W 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=8.9km az=159.6.
IDC Error ellipse: s-maj=19.6km s-min=9.5km az=47.0.
ISC X 28 12 31 35.6–.92 52.79N–.09 132.2W–.10 10 3.8b 14 3-78
ISCJB X 28 12 31 34.0–.72 52.83N–.06 132.2W–.10 10 3.6s,3.5b **¶601857778**
IDC X 28 12 31 33.8–.97 52.79N 132.25W 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.9km az=146.0.
IDC Error ellipse: s-maj=16.7km s-min=9.1km az=42.0.
ISC X 28 12 38 46.4–.58 52.77N–.07 132.30W–.08 22 4.1b 216 0-87
IDC X 28 12 38 41.6–.92 52.56N 132.33W 0 4.0,3.9 **¶601853331**
NEIC X 28 12 38 43.0–.00 52.63N 132.47W 5 4.5L,4.0b
PGC X 28 12 38 43.3–7.6 52.60N 132.48W 16–142 4.5L,4.0b
ISCJB X 28 12 38 44.5–.21 52.74N–.03 132.38W–.07 22 4.1b,3.6s
ISC Event type ke.
NEIC Event type se. After OTT.
PGC Event type ke. 84km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
IDC X 28 12 48 30.6–1.9 52.52N 131.95W 0 3.6,3.5L
¶602000063
IDC Error ellipse: s-maj=21.0km s-min=11.0km az=55.0.
ISC X 28 12 53 08.2–1.2 52.54N–.09 132.2W–.10 18 15 1-69
NEIC X 28 12 53 05.0–.00 52.46N 132.28W 20 4.1L **¶602000064**
PGC X 28 12 53 05.2 52.44N 132.39W 2 4.1L
ISCJB X 28 12 53 06.3–1.0 52.50N–.06 132.6W–.20 18 3.4b
IDC X 28 12 53 06.6–1.4 52.52N 132.21W 0 3.6,3.5b
ISC Event type ke.
NEIC Event type se. After OTT.
PGC Event type ke. 98km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.1km az=160.9.
IDC Error ellipse: s-maj=18.2km s-min=10.5km az=45.0.
IDC X 28 13 04 45.0–1.5 51.41N 131.24W 0 3.8L,3.5
¶602000066
IDC Error ellipse: s-maj=26.9km s-min=14.5km az=158.0.
ISC X 28 13 07 04.6–.94 52.20N–.09 132.7W–.10 10 4.0b 24 1-96
NEIC X 28 13 07 03.9–.70 52.04N 132.49W 10 4.2b **¶602000067**
IDC X 28 13 07 03.8–1.3 52.28N 132.95W 0 4.1,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=8.1km az=49.0.
IDC Error ellipse: s-maj=24.2km s-min=10.4km az=95.0.
ISC X 28 13 09 15.7–.34 52.34N–.04 131.96W–.04 22–2 4.9b,4.4s 827 0-151
BJI X 28 13 09 11.0 52.47N 132.03W 8 5.3b,4.9s **¶601857784**
IDC X 28 13 09 11.9–.49 52.33N 132.10W 0 4.7,4.6
ISCJB X 28 13 09 11.7–.51 52.45N–.02 131.84W–.03 3–3 4.8b,4.3s

PGC X 28 13 09 12.1–7.1 52.25N 132.17W 29–0 5.1W,4.7L
MOS X 28 13 09 12.4–1.0 52.37N 131.99W 12 5.1b,4.7L
NEIC X 28 13 09 14.3–.10 52.43N 131.87W 10 5.1W,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=11.2km s-min=5.9km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.5km az=140.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 114km Ssw of Sandspit, Bc Haida Gwaii Region.
MOS Error ellipse: s-maj=9.3km s-min=3.8km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=1.1km az=49.0. Felt at Prince Rupert and Terrace. Moment Tensor Solution. $M_0$5.20000×10^{16}
IDC X 28 13 16 50.0–12 52.59N 132.61W 0 4.1,3.9L
¶602000069
IDC Error ellipse: s-maj=184.9km s-min=163.7km az=115.0.
ISC X 28 13 22 43.5–1.3 52.5N–.10 132.2W–.20 18 9 1-77
IDC X 28 13 22 42.4–1.6 52.34N 132.08W 0 3.7,3.5 **¶602000070**
ISCJB X 28 13 22 43.3–1.2 52.3N–.10 132.1W–.30 18 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 13 24 32.7–1.2 52.7N–.10 132.3W–.10 18 10 1-77
IDC X 28 13 24 29.1–1.6 52.49N 132.60W 0 3.7,3.7L **¶602000071**
ISCJB X 28 13 24 30.8–.94 52.54N–.09 132.4W–.20 18 3.4b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 13 28 33.2–1.1 52.49N–.09 131.8W–.10 10 3.7b 14 1-77
ISCJB X 28 13 28 31.8–.76 52.49N–.06 131.8W–.10 10 3.5b,3.4s **¶602000072**
IDC X 28 13 28 31.6–1.1 52.37N 131.91W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.1km az=138.3.
IDC Error ellipse: s-maj=15.5km s-min=6.7km az=43.0.
ISC X 28 13 32 44.8–1.1 52.43N–.09 132.2W–.10 18 11 1-77
IDC X 28 13 32 43.4–1.3 52.37N 132.00W 0 3.8,3.7L **¶602000074**
ISCJB X 28 13 32 44.6–.92 52.39N–.07 132.0W–.20 18 3.4b,3.7L
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 13 45 33.0–1.1 52.07N 131.38W 0 3.9,3.9s
¶606857476
IDC Error ellipse: s-maj=15.1km s-min=8.9km az=14.0.
ISC X 28 13 45 48.1–.72 51.14N–.09 130.3W–.10 12 4.1b,3.8s 112 2-92
ISCJB X 28 13 45 47.4–.26 51.12N–.04 130.28W–.08 12 3.9b,3.8s **¶601857787**
NEIC X 28 13 45 48.9–.29 51.14N 130.29W 10 4.1b,3.8s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=2.5km az=140.5.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=2.8km az=50.0. Felt at Prince George and Smithers.
ISC X 28 13 48 42.6–1.2 52.4N–.20 131.5W–.10 10 3.5b 10 1-77
ISCJB X 28 13 48 41.4–.89 52.3N–.10 131.5W–.20 10 3.4b **¶602000075**
IDC X 28 13 48 41.2–1.1 52.30N 131.45W 0 4.0L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=7.6km az=42.0.
IDC Error ellipse: s-maj=18.6km s-min=6.1km az=31.0.
IDC X 28 13 49 57.5–1.7 51.92N 132.66W 0 3.8,3.7b
PGC X 28 13 50 03.5 52.74N 132.30W 15 3.8,3.7b **¶602000076**
IDC Error ellipse: s-maj=36.4km s-min=34.9km az=64.0.
PGC Event type ke. 65km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 28 14 04 28.1–.47 52.60N–.06 132.25W–.06 18 4.4b 163 1-88
IDC X 28 14 04 25.5–.66 52.60N 132.15W 0 4.1,4.0 **¶601853336**
ISCJB X 28 14 04 26.9–.20 52.65N–.03 132.41W–.05 18 4.2b,3.4s
PGC X 28 14 04 26.4 52.60N 132.14W 26 4.2b,3.4s
NEIC X 28 14 04 28.0–.22 52.68N 132.33W 10 4.8L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=6.0km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=2.0km az=138.5.
PGC Event type ke. 75km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=2.1km az=48.0.
ISC X 28 14 14 27.2–.67 52.52N–.08 131.57W–.07 10 4.0b 107 1-79
IDC X 28 14 14 23.4–1.2 52.29N 131.95W 0 4.0,3.8L **¶601853337**
PGC X 28 14 14 25.2 52.37N 131.81W 18 4.0,3.8L
ISCJB X 28 14 14 26.2–.28 52.55N–.04 131.54W–.07 10 4.0b,3.5s
NEIC X 28 14 14 28.8–.34 52.59N 131.45W 10 4.5L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=7.0km az=56.0.
PGC Event type ke. 97km south of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=2.3km az=139.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=2.9km az=52.0.
ISC X 28 14 17 08.9–1.7 52.3N–.20 132.6W–.20 18 6 3-77
IDC X 28 14 17 06.0–2.0 52.30N 132.65W 0 4.1L,3.9 **¶602000078**
ISCJB X 28 14 17 07.3–1.6 52.4N–.20 132.6W–.30 18 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 14 29 02.2–1.0 52.42N–.09 132.7W–.10 10 3.7b,3.3s 14 1-87
ISCJB X 28 14 29 00.6–.85 52.39N–.08 132.8W–.20 10 3.7b,3.3s **¶601874251**
IDC X 28 14 29 00.3–1.0 52.35N 132.90W 0 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=8.9km az=151.9.
IDC Error ellipse: s-maj=19.1km s-min=11.1km az=90.0.
ISC X 28 14 41 04.2–1.2 52.72N–.08 132.6W–.10 18 17 0-76
ISCJB X 28 14 41 01.9–.84 52.69N–.06 132.8W–.20 18 3.3b **¶602000083**
IDC X 28 14 41 02.0–1.4 52.61N 132.58W 0 3.5,3.4
PGC X 28 14 41 01.1–.15 52.58N 132.23W 27–0 3.5,3.4
NEIC X 28 14 41 01.0–.00 52.61N 132.23W 25 4.2L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=7.7km az=162.6.
IDC Error ellipse: s-maj=29.1km s-min=8.7km az=84.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 79km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISC X 28 14 48 29.5–1.3 52.6N–.10 132.1W–.10 10 3.8b 11 1-77
PGC X 28 14 48 08.8 51.60N 130.43W 1 3.8b **¶602000086**
IDC X 28 14 48 27.8–1.4 52.45N 132.28W 0 3.9,3.7b
ISCJB X 28 14 48 28.3–1.0 52.51N–.09 132.2W–.20 10 3.6b,3.7b
ISC Event type ke.
PGC Event type ke. 170km Wsw of Bella Bella, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 28 15 00 02.9–.91 52.8N–.20 131.2W–.10 10 10 1-59
IDC X 28 15 00 01.9–1.4 52.37N 131.54W 0 4.0L,3.9 **¶602000087**
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=6.9km az=46.0.
ISC X 28 15 06 55.9–.55 52.44N–.07 132.18W–.07 18 4.4b 265 1-88
IDC X 28 15 06 53.0–.79 52.35N 132.20W 0 4.3,4.1 **¶601857793**
PGC X 28 15 06 53.3–86 52.28N 132.38W 15 4.3,4.1
ISCJB X 28 15 06 54.2–.17 52.44N–.03 132.18W–.05 18 4.4b,3.7s
NEIC X 28 15 06 55.1–.14 52.42N 132.16W 10 4.4b,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=6.9km az=64.0.
PGC Event type ke. Error ellipse: s-maj=443.7km s-min=7.5km az=-1.0. 114km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=1.7km az=143.3.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=1.4km az=52.0.
ISC X 28 15 10 30.3–.61 52.77N–.09 132.10W–.07 10 4.2b 61 0-88
IDC X 28 15 10 27.4–.95 52.52N 132.53W 0 4.0b,4.0 **¶601853339**
NEIC X 28 15 10 34.2–.48 52.50N 132.09W 10 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=11.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=4.2km az=53.0.
ISC X 28 15 20 30.6–1.4 52.7N–.10 132.5W–.20 18 3.4b 10 1-77
ISCJB X 28 15 20 28.6–1.2 52.63N–.09 132.6W–.20 18 3.3b **¶602000089**
IDC X 28 15 20 28.2–1.3 52.64N 132.59W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.4km s-min=8.9km az=153.6.
IDC Error ellipse: s-maj=22.6km s-min=7.7km az=80.0.

ISC X 28 15 24 21.0–.57 52.84N–.08 132.24W–.07 10 4.3b,3.8s 143 0-79
IDC X 28 15 24 17.4–.76 52.67N 133.00W 0 4.0,4.0b **¶601857795**
ISCJB X 28 15 24 19.9–.28 52.78N–.04 132.22W–.08 10 4.3b,3.6s
NEIC X 28 15 24 21.0–.00 52.88N 132.05W 10 4.3b,3.8L
PGC X 28 15 24 22.0 52.88N 132.05W 10 4.3b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=7.6km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=2.6km az=141.9.
NEIC Event type se. After OTT.
PGC Event type ke. 44km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 28 15 28 16.2–.90 52.79N–.08 132.63W–.09 18 3.9b 45 0-76
IDC X 28 15 28 13.5–1.1 52.72N 132.71W 0 4.0,3.9b **¶602000091**
ISCJB X 28 15 28 14.4–.51 52.78N–.05 132.7W–.10 18 3.9b,3.9b
NEIC X 28 15 28 14.9–.55 52.64N 132.94W 10 4.0L,4.0b
PGC X 28 15 28 15.2–.09 52.79N 132.33W 25–0 4.0L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=7.7km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.2km az=139.9.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=4.9km az=52.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 61km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 28 15 42 20.1–.64 52.43N–.09 131.33W–.07 10 3.9b 73 1-80
IDC X 28 15 42 16.1–1.2 52.30N 131.80W 0 4.0,3.8 **¶601857797**
NEIC X 28 15 42 21.7–.40 52.43N 131.38W 10 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=7.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=4.0km az=51.0.
ISC X 28 15 44 60.0–.43 52.39N–.06 132.31W–.05 18 4.5b 303 1-151
IDC X 28 15 44 56.9–.52 52.33N 132.37W 0 4.2,4.1 **¶601857798**
ISCJB X 28 15 44 58.1–.17 52.35N–.02 132.40W–.05 18 4.4b,4.1s
NEIC X 28 15 44 58.9–.18 52.31N 132.42W 10 4.4b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=7.1km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=1.7km az=140.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=1.8km az=48.0.
ISC X 28 15 48 46.4–.60 52.49N–.07 132.08W–.07 18 4.4b 159 1-88
IDC X 28 15 48 43.4–.92 52.38N 132.30W 0 4.2,4.0 **¶601857799**
ISCJB X 28 15 48 44.8–.25 52.42N–.03 132.31W–.08 18 4.3b,4.0
NEIC X 28 15 48 45.8–.33 52.43N 132.26W 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=7.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=2.5km az=146.4.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=3.1km az=55.0.
ISC X 28 15 57 18.1–.55 52.77N–.06 132.50W–.08 22 4.4b 211 0-96
IDC X 28 15 57 14.5–.64 52.61N 132.57W 0 4.2,4.0 **¶603776124**
ISCJB X 28 15 57 15.9–.25 52.71N–.03 132.64W–.07 22 4.3b,4.0
PGC X 28 15 57 16.2 52.91N 132.17W 28 4.3b,4.0
NEIC X 28 15 57 16.0–1.2 52.68N 132.69W 12–8 4.8L,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=6.7km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=2.4km az=150.6.
PGC Event type ke. 44km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=2.4km az=53.0.
ISC X 28 15 58 53.2–1.1 52.6N–.10 131.6W–.10 10 3.8b 12 1-77
ISCJB X 28 15 58 51.9–1.1 52.6N–.20 131.9W–.20 10 3.7b **¶601853341**
IDC X 28 15 58 52.0–1.1 52.55N 131.87W 0 4.3L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=9.1km az=41.6.
IDC Error ellipse: s-maj=22.8km s-min=10.7km az=41.0.
ISC X 28 15 59 13.4–.50 52.89N–.07 132.47W–.08 22 4.7b 331 0-88
IDC X 28 15 59 09.1–.59 52.59N 132.60W 0 4.5,4.3 **¶602000093**
ISCJB X 28 15 59 11.8–.23 52.74N–.03 132.54W–.06 22 4.7b,4.3
NEIC X 28 15 59 11.5–.23 52.79N 132.57W 10 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=6.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.4km az=144.8.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.3km az=51.0.
ISC X 28 16 10 04.8–1.1 53.15N–.08 131.55W–.07 10 8 1-59
IDC X 28 16 10 04.9–1.7 52.52N 131.89W 0 3.8,3.6L **¶603776126**
PGC X 28 16 10 05.8 52.56N 131.98W 13 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=6.4km az=42.0.
PGC Event type ke. 77km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 28 16 17 02.5–.85 52.40N–.04 131.59W–.03 11–5 4.5b,3.7s 403 0-152
IDC X 28 16 17 00.2–.55 52.33N 131.64W 0 4.4,4.3 **¶601857801**
ISCJB X 28 16 17 01.7–.46 52.53N–.02 131.44W–.04 9–3 4.4b,3.7s
PGC X 28 16 17 01.3–3.2 52.35N 131.69W 21–0 4.8L,4.5W
NEIC X 28 16 17 03.4–.18 52.52N 131.56W 10 4.5W,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=10.7km s-min=5.6km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=1.8km az=141.2.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 101km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=1.9km az=49.0. Moment Tensor Solution. $M_0$6.70000×10^{15}
ISC X 28 16 27 55.7–.56 52.69N–.06 132.05W–.07 18 3.9b 68 1-97
IDC X 28 16 27 52.2–.80 52.61N 132.05W 0 4.0,4.0b **¶602000099**
PGC X 28 16 27 53.8 52.67N 132.10W 20 4.0,4.0b
ISCJB X 28 16 27 54.5–.33 52.77N–.05 131.97W–.09 18 4.0b,3.9s
NEIC X 28 16 27 55.7–.38 52.77N 131.97W 10 4.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=5.3km az=43.0.
PGC Event type ke. 67km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=3.1km az=141.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=3.8km az=54.0.
IDC X 28 16 40 04.1–2.1 52.87N 132.09W 0 3.5,3.2
¶602000102
IDC Error ellipse: s-maj=37.2km s-min=10.9km az=43.0.
IDC X 28 16 58 14.9–1.9 52.43N 132.50W 0 3.6b,3.5
¶602000103
IDC Error ellipse: s-maj=31.8km s-min=13.0km az=60.0.
ISC X 28 17 05 30.7–.60 53.02N–.08 132.12W–.07 10 3.8b 50 0-88
PGC X 28 17 05 10.1 51.57N 133.69W 30 3.8b **¶602000104**
IDC X 28 17 05 26.8–.82 52.60N 132.59W 0 3.9,3.8
NEIC X 28 17 05 27.5–4.0 52.60N 132.64W 4–26 4.0b,3.8
ISC Event type ke.
PGC Event type ke. 225km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=13.3km s-min=7.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=7.8km az=56.0.
ISC X 28 17 09 04.9–1.4 52.1N–.20 131.3W–.10 18 6 1-31
IDC X 28 17 09 02.4–1.8 52.16N 131.18W 0 4.0,3.7b **¶602000105**
ISCJB X 28 17 09 03.7–1.2 52.2N–.10 131.1W–.30 18 3.5b,3.7b
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 17 09 50.0–3.0 52.68N 131.40W 0 3.8,3.6L
¶602000108
IDC Error ellipse: s-maj=150.6km s-min=22.4km az=53.0.
ISC X 28 17 34 50.8–.98 52.68N–.04 132.03W–.06 17–6 4.0b,3.9s 68 0-97
IDC X 28 17 34 48.9–.98 52.64N 132.00W 0 3.9b,3.8 **¶602000115**
NEIC X 28 17 34 50.0–.90 52.58N 131.96W 10 4.5L,3.8
ISCJB X 28 17 34 50.2–.49 52.66N–.03 131.97W–.07 25–3 3.8b,3.8s
PGC X 28 17 34 50.5–2.3 52.65N 132.13W 22–0 4.5L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=5.2km az=43.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.0km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=2.9km az=146.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 70km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 28 17 38 56.2–1.6 52.2N–.10 132.7W–.20 10 7 1-88
IDC X 28 17 38 54.2–2.2 52.18N 132.90W 0 3.8,3.7b **¶602000116**
ISCJB X 28 17 38 55.0–1.5 52.3N–.10 132.8W–.40 10 3.6b,3.7b

ISC Event type ke.
ISCJB Event type ke.
ISC X 28 18 06 22.8–1.1 52.9N–.10 131.6W–.10 10 7 1-31
ISCJB X 28 18 06 21.3–.85 53.0N–.10 131.5W–.10 10 3.4b **¶602000118**
IDC X 28 18 06 21.8–1.6 52.80N 131.78W 0 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=9.3km az=31.3.
IDC Error ellipse: s-maj=34.4km s-min=8.5km az=38.0.
ISC X 28 18 41 14.4–.63 52.66N–.06 132.67W–.08 18 3.9b 35 1-96
IDC X 28 18 41 11.3–.73 52.54N 132.53W 0 4.0,3.9 **¶601874252**
NEIC X 28 18 41 12.8–.57 52.63N 132.47W 10 4.3L,3.9
ISCJB X 28 18 41 13.4–.53 52.70N–.05 132.4W–.10 18 3.9b,3.9
PGC X 28 18 41 17.9 52.75N 131.90W 20 3.9b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=7.1km az=72.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.9km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.0km az=162.1.
PGC Event type ke. 55km south of Sandspit, Bc Haida Gwaii Region.
ISC X 28 18 44 02.9–.86 52.41N–.10 131.64W–.09 10 3.7b 16 1-77
ISCJB X 28 18 44 00.9–.68 52.40N–.08 131.7W–.10 10 3.6b,3.1s **¶602000122**
IDC X 28 18 44 01.0–.96 52.29N 131.89W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.5km az=41.4.
IDC Error ellipse: s-maj=14.9km s-min=6.9km az=43.0.
ISC X 28 18 54 20.2–.47 52.54N–.03 132.66W–.03 5–2 6.3s,5.9b 1960 1-163
PGC X 28 18 54 16.7–.13 52.48N 132.79W 20 6.3b,5.6L **¶601857803**
IDC X 28 18 54 17.9–.35 52.56N 132.56W 0 6.1,6.1s
BJI X 28 18 54 18.0 52.61N 132.68W 9 6.4s,6.3
MOS X 28 18 54 19.3–1.1 52.57N 132.71W 11 6.3s,6.1b
ISCJB X 28 18 54 20.1–.09 52.60N–.01 132.50W–.02 10 6.2s,5.7b
NEIC X 28 18 54 20.8–.15 52.67N 132.60W 9 6.3W,6.3W
NEIC X 28 18 54 21.0–.00 52.63N 132.70W 11 6.3W,6.3W
GCMT X 28 18 54 27.8–.10 52.56N 132.78W 12 6.4W,6.3W
ISC Event type fe.
PGC Event type ke. 107km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=8.5km s-min=5.7km az=75.0.
MOS Error ellipse: s-maj=8.2km s-min=4.0km az=110.8.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.1km az=141.2.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=1.6km az=48.0. Felt at Campbell River, Chetwynd, Houston, Nanaimo, Prince Rupert and Terrace. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.10 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.20000×10^{18}
NEIC Event type se. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.55 $M_{\theta\theta}$1.37 $M_{\phi\phi}$2.18 $M_{r\theta}$-0.76 $M_{\theta\phi}$-1.80 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s139.00000° ,δ53.00000°,λ-92.00000°. NP2:ϕ_s324.00000°,δ37.00000°,λ-86.00000°. Principal axes: T 3.7700,Plg8.0000°,Azm231.0000°; N -0.0700,Plg2.0000°,Azm140.0000° ; P -3.7000,Plg81.0000°,Azm35.0000° $M_0$3.70000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c299; s145,c595; Duration: 3s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.31±.02 $M_{\theta\theta}$1.58±.03; $M_{\phi\phi}$2.74±.03; $M_{r\theta}$0.41±.06; $M_{\theta\phi}$-2.31±.02; $M_{\phi r}$-0.92±.06; Best double couple: NP1:ϕ_s325.00000°,δ51.00000° ,λ-86.00000°. NP2:ϕ_s139.00000°,δ39.00000°,λ-95.00000°. Principal axes: T 4.6490,Plg6.0000°,Azm52.0000°; N -0.2090,Plg3.0000°,Azm143.0000° ; P -4.4300,Plg83.0000°,Azm259.0000° $M_0$4.53900×10^{18}
ISC X 28 18 57 33.3–.67 52.66N–.04 132.43W–.05 16–3 4.7b 166 0-151
PGC X 28 18 57 30.4–14 52.56N 132.57W 27–1 5.3b,5.3W **¶601874253**
IDC X 28 18 57 30.1–.52 52.51N 132.52W 0 4.8,4.7
NEIC X 28 18 57 31.3–.35 52.47N 132.37W 10 5.3b,5.2W
ISCJB X 28 18 57 33.1–.76 52.68N–.03 132.50W–.07 24–4 4.7b,5.2W
ISC Event type ke.
PGC Event type ke. 91km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution. $M_0$9.30000×10^{16}
ISCJB Event type ke.
ISC X 28 19 01 49.2–.74 52.21N–.05 132.97W–.07 10 4.0b 47 1-151
ISCJB X 28 19 01 46.7–.57 52.02N–.04 133.04W–.08 10 4.0b **¶601874254**
IDC X 28 19 01 48.4–.84 52.55N 132.86W 0 4.3,4.1
PGC X 28 19 01 53.0–9.4 52.23N 132.81W 25–1 4.9b,4.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.5km az=154.5.
IDC Error ellipse: s-maj=18.5km s-min=14.8km az=45.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 131km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 28 19 02 08.1–.52 52.89N–.08 132.33W–.09 22 4.4b 104 0-151
IDC X 28 19 02 05.0–.64 52.88N 132.33W 0 4.5,4.3b **¶602000123**
ISCJB X 28 19 02 06.8–.34 52.93N–.05 132.30W–.09 22 4.4b,4.3b
NEIC X 28 19 02 08.5–1.8 52.90N 132.28W 22–12 4.9b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=9.1km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.6km az=141.2.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.5km az=53.0.
ISC X 28 19 03 23.3–.49 52.76N–.04 132.51W–.04 24–3 5.3b 844 0-151
IDC X 28 19 03 19.1–.37 52.63N 132.78W 0 4.9,4.9b **¶602000125**
ISCJB X 28 19 03 20.8–.66 52.83N–.02 132.54W–.03 14–4 5.2s,5.2b
MOS X 28 19 03 20.3–1.0 52.75N 132.81W 12 5.5b,5.2b
PGC X 28 19 03 21.3–13 52.73N 132.52W 32–1 5.4b,5.4W
NEIC X 28 19 03 21.9–.16 52.83N 132.67W 10 5.4W,5.4b
BJI X 28 19 03 22.3 52.70N 132.90W 33 5.7s,5.6
GCMT X 28 19 03 24.9–.30 52.68N–.03 132.90W–.04 14–1 5.6W,5.6
ISC Event type ke.
ISCJB Event type ke.
PGC Event type ke. 75km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution. $M_0$1.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s2,c2; s105,c188;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.94±.28 $M_{\theta\theta}$1.04±.15; $M_{\phi\phi}$1.90±.16; $M_{r\theta}$-0.12±.38; $M_{\theta\phi}$-1.20±.07; $M_{\phi r}$-0.77±.32; Best double couple: NP1:ϕ_s334.00000°,δ51.00000°,λ-78.00000°. NP2:ϕ_s136.00000°,δ40.00000°,λ-104.00000°. Principal axes: T 2.7990,Plg6.0000° ,Azm56.0000°; N 0.2830,Plg9.0000°,Azm147.0000°; P -3.0830,Plg79.0000°,Azm295.0000° $M_0$2.94100×10^{17}
ISC X 28 19 09 54.7–.59 52.23N–.05 131.92W–.04 19–2 5.6s,5.5b 884 0-163
PGC X 28 19 09 44.4–13 52.47N 132.51W 9–3 5.6b,5.6W **¶601857808**
IDC X 28 19 09 48.9–.45 52.09N 132.38W 0 5.5,5.5s
BJI X 28 19 09 50.1 52.30N 131.90W 13 6.1s,5.8
MOS X 28 19 09 52.7–1.1 52.24N 132.10W 15 5.6b,5.8
NEIC X 28 19 09 53.9–.24 52.29N 132.08W 10 5.6W,5.6b
ISCJB X 28 19 09 53.0–.13 52.32N–.02 131.84W–.03 15 5.7s,5.4b
GCMT X 28 19 09 59.9–.20 52.14N–.01 132.04W–.02 12 5.8W,5.4b
ISC Event type ke.
PGC Event type ke. 98km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution. $M_0$2.90000×10^{17} Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.76 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.65 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.92 Best double couple: NP1:ϕ_s288.00000°,δ42.00000°,λ-123.00000°. NP2:ϕ_s149.00000° ,δ55.00000°,λ-64.00000°. Principal axes: T 1.8300,Plg7.0000°,Azm221.0000° ; N 0.3200,Plg21.0000°,Azm314.0000°; P -2.1500,Plg67.0000°,Azm114.0000° $M_0$2.00000×10^{17}
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s123,c268;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.07±.09 $M_{\theta\theta}$3.55±.09; $M_{\phi\phi}$2.52±.08; $M_{r\theta}$-0.60±.39; $M_{\theta\phi}$-2.86±.06; $M_{\phi r}$-0.95±.41; Best double couple: NP1:ϕ_s320.00000°,δ47.00000°,λ-76.00000°. NP2:ϕ_s120.00000°,δ45.00000°,λ-104.00000°. Principal axes: T 5.9430,Plg1.0000° ,Azm40.0000°; N 0.3220,Plg10.0000°,Azm130.0000°; P -6.2650,Plg80.0000°,Azm306.0000° $M_0$6.10400×10^{17}
ISC X 28 19 16 51.1–.56 52.58N–.04 132.50W–.04 17–2 5.2b 797 0-152
IDC X 28 19 16 47.7–.40 52.47N 132.54W 0 4.8,4.7 **¶601857809**
PGC X 28 19 16 48.2–9.6 52.48N 132.66W 16–1 5.2W,5.1b
MOS X 28 19 16 49.4–1.0 52.63N 132.52W 16 5.4b,5.1b
ISCJB X 28 19 16 50.6–.46 52.64N–.02 132.36W–.04 20–3 5.2s,5.0b
NEIC X 28 19 16 50.8–.18 52.65N 132.48W 10 5.2W,5.1b
GCMT X 28 19 16 54.8–.50 52.57N–.05 132.68W–.05 13–2 5.3W,5.1b
BJI X 28 19 16 54.5 52.97N 133.07W 45 5.9s,5.7
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=6.0km az=68.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 102km southwest of Sandspit, Bc Haida Gwaii Region.
MOS Error ellipse: s-maj=12.3km s-min=5.8km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=1.8km az=143.2.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.1km az=50.0. Moment Tensor Solution. $M_0$8.10000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s2,c2; s74,c100;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.16 $M_{\theta\theta}$0.27±.09; $M_{\phi\phi}$0.83±.09; $M_{r\theta}$0.69±.29; $M_{\theta\phi}$-0.41±.04; $M_{\phi r}$0.16±.20; Best double couple: NP1:ϕ_s308.00000°,δ55.00000°,λ-120.00000°. NP2:ϕ_s173.00000°,δ45.00000°,λ-54.00000°. Principal axes: T 1.0630,Plg6.0000° ,Azm59.0000°; N 0.3690,Plg24.0000°,Azm326.0000°; P -1.4320,Plg65.0000°,Azm161.0000° $M_0$1.24800×10^{17}
ISC X 28 19 20 05.6–.76 52.11N–.08 131.80W–.09 18 4.1b 21 2-145
IDC X 28 19 20 02.3–.89 52.05N 131.95W 0 4.2,4.0 **¶601874255**
ISCJB X 28 19 20 03.4–.70 52.11N–.07 131.8W–.10 18 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 19 23 23.7–1.6 52.8N–.10 133.0W–.20 10 6 1-32
ISCJB X 28 19 23 21.6–1.5 52.72N–.09 133.2W–.30 10 3.2b **¶602000127**
IDC X 28 19 23 22.4–2.3 52.70N 133.09W 0 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=12.4km az=169.5.
IDC Error ellipse: s-maj=32.5km s-min=17.0km az=94.0.
IDC X 28 19 24 55.6–4.4 52.15N 131.14W 0 4.0,3.7b
¶602000128
IDC Error ellipse: s-maj=285.8km s-min=24.7km az=56.0.
IDC X 28 19 26 33.6–3.4 52.29N 132.86W 0 3.7,3.6L
¶602000129
IDC Error ellipse: s-maj=53.0km s-min=16.1km az=76.0.
ISC X 28 19 28 37.1–1.3 53.2N–.10 133.0W–.10 18 8 0-76
IDC X 28 19 28 35.7–1.2 52.95N 133.03W 0 3.8L,3.7 **¶602000130**
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=8.5km az=128.0.
ISC X 28 19 34 24.6–1.1 52.9N–.20 132.0W–.20 10 3.6b 11 0-77
ISCJB X 28 19 34 22.6–.82 52.8N–.10 132.0W–.30 10 3.6b **¶601874256**
IDC X 28 19 34 22.9–1.2 52.87N 131.94W 0 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.2km s-min=8.3km az=139.7.
IDC Error ellipse: s-maj=39.4km s-min=10.2km az=40.0.
ISC X 28 19 39 43.8–.91 52.55N–.10 132.2W–.10 18 3.8b 19 1-78
IDC X 28 19 39 39.4–1.1 52.33N 132.51W 0 3.9,3.8 **¶602000132**
ISCJB X 28 19 39 41.9–.71 52.50N–.07 132.2W–.20 18 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 19 41 24.4–.93 52.3N–.10 132.0W–.20 18 4.0b 15 6-88
IDC X 28 19 41 20.8–.93 52.15N 132.21W 0 4.1,4.0b **¶602000133**
ISCJB X 28 19 41 22.6–.73 52.27N–.09 132.0W–.20 18 3.9b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 19 42 51.0–1.3 52.7N–.10 132.6W–.20 18 3.8b 13 1-75
IDC X 28 19 42 48.0–1.2 52.58N 132.72W 0 4.0,3.8b **¶601874257**
ISCJB X 28 19 42 49.3–1.0 52.64N–.09 132.7W–.30 18 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 19 45 34.9–.56 52.65N–.07 132.82W–.08 10 4.2b 53 1-96
ISCJB X 28 19 45 33.6–.43 52.58N–.06 132.9W–.10 10 4.2b **¶601857812**
IDC X 28 19 45 33.3–.56 52.63N 132.78W 0 4.5s,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.9km az=145.1.
IDC Error ellipse: s-maj=9.3km s-min=6.7km az=96.0.
ISC X 28 19 48 23.2–.82 52.62N–.10 132.5W–.10 18 4.0b 24 1-88
IDC X 28 19 48 20.1–.70 52.53N 132.56W 0 4.8,4.8s **¶601874258**
ISCJB X 28 19 48 21.6–.63 52.59N–.07 132.5W–.20 18 4.8s,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 19 54 56.4–1.6 52.4N–.20 132.2W–.30 18 3.3b 8 1-77
IDC X 28 19 54 53.4–1.9 52.28N 132.23W 0 3.8,3.6L **¶602000136**
ISCJB X 28 19 54 54.9–1.7 52.3N–.20 132.1W–.40 18 3.3b,3.6L
ISC Event type ke.
ISCJB Event type ke.
IDC X 28 19 57 53.6–1.8 52.34N 131.86W 0 3.8,3.5b
¶602000137
IDC Error ellipse: s-maj=23.1km s-min=13.5km az=33.0.
IDC X 28 19 59 45.1–2.7 52.34N 131.66W 0 4.0L,3.8
¶602000138
IDC Error ellipse: s-maj=65.6km s-min=17.3km az=67.0.
ISC X 28 20 02 42.7–.82 52.31N–.03 132.11W–.03 11–4 4.6b 370 0-151
ISCJB X 28 20 02 41.8–.64 52.44N–.02 131.93W–.04 9–4 4.5b **¶603776138**
IDC X 28 20 02 41.2–.47 52.31N 132.28W 0 4.4,4.4
PGC X 28 20 02 42.5–4.6 52.30N 132.18W 32–1 5.2L,4.6b
NEIC X 28 20 02 43.3–.27 52.34N 132.18W 10 5.2L,4.6b
MOS X 28 20 02 43.1–1.1 52.37N 132.16W 21 4.9b,4.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.1km az=144.9.
IDC Error ellipse: s-maj=8.3km s-min=5.5km az=46.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 108km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.0km az=49.0.
MOS Error ellipse: s-maj=14.0km s-min=5.5km az=111.5.
ISC X 28 20 16 38.5–1.2 52.78N–.10 132.1W–.10 10 11 0-151
ISCJB X 28 20 16 37.5–.94 52.82N–.07 132.1W–.20 10 3.4b **¶602000140**
IDC X 28 20 16 37.3–1.3 52.74N 132.21W 0 4.4,4.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=7.4km az=150.9.
IDC Error ellipse: s-maj=22.5km s-min=6.7km az=58.0.
IDC X 28 20 25 25.0–3.0 52.71N 132.55W 0 4.3,4.3s
¶602000141
IDC Error ellipse: s-maj=70.0km s-min=9.3km az=81.0.
ISC X 28 20 27 44.0–1.3 53.0N–.20 132.1W–.20 10 7 0-76
ISCJB X 28 20 27 42.5–1.2 53.0N–.20 132.0W–.20 10 3.3b **¶602000142**
IDC X 28 20 27 43.1–1.1 53.01N 132.04W 0 3.5,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.8km s-min=9.7km az=42.0.
IDC Error ellipse: s-maj=24.0km s-min=9.8km az=37.0.
IDC X 28 20 41 24.1–2.8 51.42N 133.36W 0 4.1,4.1s
¶602000144
IDC Error ellipse: s-maj=132.6km s-min=23.6km az=48.0.
ISC X 28 20 53 36.1–1.5 52.6N–.10 132.8W–.10 10 9 1-57
ISCJB X 28 20 53 34.3–1.2 52.54N–.08 132.9W–.20 10 3.5b **¶602000147**
IDC X 28 20 53 34.4–1.7 52.53N 132.93W 0 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.4km az=146.9.
IDC Error ellipse: s-maj=16.7km s-min=8.5km az=79.0.
ISC X 28 21 07 01.8–1.1 52.3N–.10 131.5W–.20 10 3.9b 11 1-77
PGC X 28 21 06 31.3 52.69N 132.41W 3 3.9b **¶602000149**
ISCJB X 28 21 07 00.4–.88 52.3N–.10 131.5W–.20 10 3.8b
IDC X 28 21 07 00.0–1.1 52.26N 131.54W 0 4.0,3.8b
ISC Event type ke.
PGC Event type ke. 73km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=7.4km az=140.8.
IDC Error ellipse: s-maj=16.8km s-min=7.9km az=32.0.
ISC X 28 21 25 53.9–.94 53.2N–.10 131.19W–.09 10 7 1-59
IDC X 28 21 25 53.2–1.6 52.57N 131.55W 0 3.8L,3.5 **¶602000150**
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=5.9km az=32.0.
ISC X 28 21 29 04.9–.38 52.41N–.05 132.00W–.06 10 4.8b 440 1-151
ISCJB X 28 21 29 03.9–.20 52.31N–.03 131.89W–.05 10 4.7b,4.5s **¶601857822**

IDC X 28 21 29 03.9–.58 52.54N 131.29W 0 4.5,4.5s
NEIC X 28 21 29 04.1–.29 52.40N 132.12W 10 4.6b,4.5s
MOS X 28 21 29 04.2–.89 52.24N 131.84W 10 5.0b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.4km az=144.9.
IDC Error ellipse: s-maj=13.8km s-min=5.0km az=31.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.0km az=56.0.
MOS Error ellipse: s-maj=14.1km s-min=5.7km az=115.4.
ISC X 28 21 38 25.8–.96 53.05N–.04 132.35W–.04 13–5 4.5b 173 0-151
NEIC X 28 21 38 20.9–1.4 52.65N 132.41W 14–9 4.7W,4.4b **¶601857825**
IDC X 28 21 38 22.4–.59 52.81N 132.50W 0 4.4,4.3
PGC X 28 21 38 24.9–.15 52.96N 132.80W 10–1 4.7W,4.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.3km az=223.0. Moment Tensor Solution. $M_0$1.60000×10^{16}
IDC Error ellipse: s-maj=13.5km s-min=6.3km az=87.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 73km Wsw of Sandspit, Bc Haida Gwaii Region.
ISC X 28 21 47 41.8–.95 52.8N–.10 132.4W–.10 22 3.9b 14 3-88
IDC X 28 21 47 37.9–1.1 52.76N 132.64W 0 3.9,3.9b **¶602000152**
ISCJB X 28 21 47 39.9–.83 52.8N–.10 132.6W–.20 22 3.8b,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 21 57 34.5–1.7 52.8N–.20 132.2W–.30 10 6 0-58
ISCJB X 28 21 57 32.9–1.2 52.8N–.20 132.1W–.40 10 3.4b **¶602000153**
IDC X 28 21 57 33.6–1.7 52.80N 132.13W 0 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.9km s-min=9.6km az=147.5.
IDC Error ellipse: s-maj=32.3km s-min=9.0km az=54.0.
ISC X 28 22 14 55.1–1.1 52.5N–.20 131.1W–.10 10 8 1-150
IDC X 28 22 14 52.9–1.5 52.16N 131.62W 0 3.8,3.7s **¶602000158**
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=11.3km az=44.0.
ISC X 28 22 35 41.1–.90 51.79N–.07 131.23W–.09 18 4.2b 55 2-58
ISCJB X 28 22 35 39.8–.49 51.83N–.04 131.2W–.10 18 4.0b,3.8s **¶602000161**
IDC X 28 22 35 39.1–1.6 51.76N 131.22W 0 4.0,3.8s
NEIC X 28 22 35 41.4–.48 51.92N 130.93W 10 4.0b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.1km az=156.0.
IDC Error ellipse: s-maj=21.1km s-min=11.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=4.3km az=56.0.
ISC X 28 22 40 01.5–1.1 52.73N–.09 131.8W–.10 18 3.8b 12 2-99
IDC X 28 22 39 58.4–1.4 52.69N 131.96W 0 3.9,3.9 **¶602000162**
ISCJB X 28 22 39 59.8–.95 52.77N–.07 131.9W–.10 18 3.9s,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 22 41 27.5–1.2 52.29N–.04 131.94W–.04 12–6 4.9s,4.8b 549 0-151
PGC X 28 22 41 24.4–10 52.16N 132.27W 18–1 4.6b,4.4L **¶601857828**
IDC X 28 22 41 24.5–.57 52.22N 132.06W 0 4.6,4.6
MOS X 28 22 41 25.7–1.1 52.36N 132.06W 10 5.0b,4.6
BJI X 28 22 41 25.0 52.47N 132.11W 6 5.2b,5.0s
ISCJB X 28 22 41 27.7–.48 52.39N–.02 131.91W–.04 22–3 4.8s,4.7b
NEIC X 28 22 41 27.9–.18 52.39N 131.97W 10 4.6b,4.7b
GCMT X 28 22 41 32.0–.20 52.19N–.02 132.03W–.03 12 5.3W,4.7b
ISC Event type ke.
PGC Event type ke. 125km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c35; s107,c184;Duration: 1$\dot{s}$1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89±.02 $M_{\theta\theta}$0.42±.02; $M_{\phi\phi}$0.46±.02; $M_{r\theta}$0.22±.07; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$-0.53±.07; Best double couple: NP1:ϕ_s327.00000°,δ62.00000°,λ-80.00000°. NP2:ϕ_s127.00000°,δ30.00000°,λ-107.00000°. Principal axes: T 0.9910,Plg16.0000° ,Azm50.0000°; N 0.0800,Plg9.0000°,Azm143.0000°; P -1.0720,Plg72.0000°,Azm260.0000° $M_0$1.03100×10^{17}
ISC X 28 23 11 18.8–.50 52.65N–.06 132.34W–.06 18 4.3b 245 1-96
IDC X 28 23 11 15.4–.75 52.56N 132.33W 0 4.3,4.1L **¶601857833**
PGC X 28 23 11 16.8 52.66N 131.87W 16 4.3,4.1L
ISCJB X 28 23 11 17.1–.24 52.66N–.03 132.33W–.06 18 4.3b,4.0s
NEIC X 28 23 11 19.3–.81 52.65N 132.38W 22–6 4.2b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=7.1km az=61.0.
PGC Event type ke. 65km south of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.4km az=148.6.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.0km az=58.0.
ISC X 28 23 24 35.3–1.6 52.49N–.05 132.22W–.05 3–9 4.0b 58 0-151
IDC X 28 23 24 35.5–.96 52.46N 132.52W 0 4.1,3.9b **¶602000166**
PGC X 28 23 24 36.3–3.5 52.51N 132.20W 14–0 4.1L,3.9b
NEIC X 28 23 24 36.3–.00 52.51N 132.20W 14 4.1L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=9.2km az=66.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 86km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISC X 28 23 26 50.5–.67 52.66N–.04 132.54W–.04 15–3 5.0b 935 0-151
BJI X 28 23 26 45.6 52.70N 132.40W 10 5.1b,5.0s **¶601857834**
IDC X 28 23 26 47.8–.44 52.60N 132.73W 0 4.6,4.6b
PGC X 28 23 26 48.8–9.8 52.60N 132.59W 26–1 4.9b,4.7W
MOS X 28 23 26 48.9–.87 52.68N 132.54W 14 5.2b,4.7W
ISCJB X 28 23 26 49.8–.43 52.70N–.02 132.48W–.03 20–3 4.9b,4.3s
NEIC X 28 23 26 50.5–.10 52.73N 132.46W 10 4.9b,4.7W
GCMT X 28 23 26 54.5–.40 52.45N–.04 132.44W–.06 15–1 5.0W,4.7W
ISC Event type ke.
PGC Event type ke. 89km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s65,c85;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53±.35 $M_{\theta\theta}$1.57±.21; $M_{\phi\phi}$1.96±.20; $M_{r\theta}$-0.01±.43; $M_{\theta\phi}$-1.61±.12; $M_{\phi r}$-0.76±.40; Best double couple: NP1:ϕ_s326.00000°,δ50.00000°,λ-80.00000°. NP2:ϕ_s131.00000°,δ41.00000°,λ-102.00000°. Principal axes: T 3.4330,Plg5.0000° ,Azm49.0000°; N 0.2130,Plg8.0000°,Azm140.0000°; P -3.6450,Plg81.0000°,Azm288.0000° $M_0$3.53900×10^{16}
ISC X 28 23 31 42.8–.84 52.57N–.03 131.61W–.05 12–6 3.8b 96 0-151
IDC X 28 23 31 40.7–1.5 52.43N 131.81W 0 4.2,3.9 **¶601857835**
ISCJB X 28 23 31 41.4–.51 52.56N–.02 131.52W–.05 11–4 3.6b,3.9
PGC X 28 23 31 41.2–3.2 52.48N 131.83W 22–0 4.2L,4.1b
NEIC X 28 23 31 45.2–.89 52.78N 131.54W 10 4.1b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=9.1km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.0km az=147.9.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 85km south of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=6.3km az=52.0.
ISC X 28 23 34 24.0–.66 52.59N–.04 132.21W–.04 15–3 5.0b,4.0s 711 0-151
IDC X 28 23 34 20.6–.52 52.53N 132.58W 0 4.5,4.4 **¶601857836**
PGC X 28 23 34 20.6–9.1 52.45N 132.47W 24–1 4.9b,4.7W
BJI X 28 23 34 20.6 52.60N 132.30W 8 5.1b,4.9b
MOS X 28 23 34 22.6–.94 52.64N 132.19W 17 5.0b,4.9b
ISCJB X 28 23 34 23.3–.43 52.59N–.02 132.26W–.04 24–3 4.8b,4.1s
NEIC X 28 23 34 23.5–.14 52.59N 132.30W 10 4.9b,4.7W
GCMT X 28 23 34 26.5–.40 52.59N–.04 132.75W–.04 17–1 5.0W,4.7W
ISC Event type ke.
PGC Event type ke. 99km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$1.20000×10^{16} Moment Tensor Solution. s12
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55 $M_{\theta\theta}$0.22 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.12 $M_{\phi r}$1.36
Best double couple: NP1:ϕ_s176.00000°,δ81.00000°,λ-85.00000°. NP2:ϕ_s329.00000° ,δ10.00000°,λ-117.00000°. Principal axes: T 1.3400,Plg36.0000°,Azm262.0000° ; N 0.2100,Plg5.0000°,Azm355.0000°; P -1.5500,Plg54.0000°,Azm92.0000° $M_0$1.50000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s80,c112;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.98±.35 $M_{\theta\theta}$0.94±.19; $M_{\phi\phi}$3.05±.20; $M_{r\theta}$1.06±.62; $M_{\theta\phi}$-0.59±.11; $M_{\phi r}$1.15±.38; Best double couple: NP1:ϕ_s181.00000°,δ54.00000°,λ-73.00000°. NP2:ϕ_s334.00000°,δ40.00000°,λ-112.00000°. Principal axes: T 3.3130,Plg7.0000° ,Azm259.0000°; N 1.1020,Plg14.0000°,Azm351.0000°; P -4.4080,Plg75.0000° ,Azm142.0000° $M_0$3.86000×10^{16}
IDC X 28 23 48 50.3–1.4 53.49N 132.10W 0 3.9L,3.8 ¶602000169
IDC Error ellipse: s-maj=22.8km s-min=9.1km az=143.0.
ISC X 28 23 55 01.8–.47 52.96N–.05 131.59W–.06 10 4.2b 156 1-150
IDC X 28 23 54 57.7–.80 52.49N 132.06W 0 4.0b,4.0 **¶601857837**
ISCJB X 28 23 55 00.1–.21 52.91N–.04 131.51W–.07 10 4.2b,3.8s
NEIC X 28 23 55 02.0–.21 52.92N 131.47W 10 4.1b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=7.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=2.3km az=140.5.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=2.3km az=51.0.
ISC X 29 00 18 47.7–.70 52.36N–.09 131.51W–.09 10 44 1-149
IDC X 29 00 18 43.3–1.6 52.17N 131.79W 0 4.1L,3.8 **¶601857838**
PGC X 29 00 18 44.0 52.19N 132.10W 8 4.1L,3.8
ISCJB X 29 00 18 46.8–.50 52.36N–.07 131.5W–.10 10 5.3b,3.8
NEIC X 29 00 18 48.4–.71 52.28N 131.44W 10 4.0b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=8.0km az=51.0.
PGC Event type ke. 119km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=4.1km az=135.2.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=5.3km az=50.0.
ISC X 29 00 26 47.7–.42 52.61N–.05 132.34W–.06 18 4.5b,3.5s 314 1-151
PGC X 29 00 26 43.3 52.42N 132.54W 19 4.5b,3.5s **¶601861566**
IDC X 29 00 26 43.9–.66 52.49N 132.71W 0 4.2,4.1
ISCJB X 29 00 26 47.4–.23 52.51N–.03 132.06W–.06 18 4.4b,3.5s
NEIC X 29 00 26 49.2–.23 52.37N 132.12W 10 4.3b,3.5s
ISC Event type ke.
PGC Event type ke. 103km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=11.6km s-min=7.3km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=2.6km az=144.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=2.3km az=51.0.
ISC X 29 00 38 45.5–1.2 52.7N–.10 132.2W–.10 18 4.0b 12 1-88
IDC X 29 00 38 42.7–1.3 52.47N 132.37W 0 3.9,3.9b **¶602000174**
PGC X 29 00 38 44.8 52.60N 132.02W 20 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=6.8km az=61.0.
PGC Event type ke. 73km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 00 48 32.3–.98 52.8N–.10 131.41W–.09 10 3.6b,3.3s 13 1-77
PGC X 29 00 48 05.3–3.5 52.83N 132.46W 5–192 3.6b,3.3s **¶602000175**
IDC X 29 00 48 29.1–1.2 52.24N 131.89W 0 3.8,3.7b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 63km Wsw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=17.2km s-min=7.5km az=42.0.
IDC X 29 00 54 04.4–4.0 52.55N 134.40W 0 4.1L,3.9 ¶602000176
IDC Error ellipse: s-maj=58.4km s-min=20.3km az=86.0.
ISC X 29 01 02 39.5–1.2 52.27N–.10 131.99W–.09 18 10 1-77
IDC X 29 01 02 36.6–1.5 52.25N 132.29W 0 3.8,3.8b **¶602000178**
ISCJB X 29 01 02 37.8–1.1 52.27N–.07 132.2W–.10 18 3.6b,3.8b
ISC Event type ke.
ISCJB Event type ke.
IDC X 29 01 23 40.2–1.8 52.57N 132.45W 0 3.5,3.5b
PGC X 29 01 23 40.1 52.54N 132.51W 25 3.5,3.5b **¶602000181**
IDC Error ellipse: s-maj=21.7km s-min=8.6km az=58.0.
PGC Event type ke. 91km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 29 01 49 03.0–.92 52.48N–.05 132.01W–.05 23–5 4.8b,4.4s 899 0-151
PGC X 29 01 48 57.9–7.8 52.28N 132.40W 18–0 5.1W,4.7L **¶603776165**
IDC X 29 01 48 58.5–.51 52.34N 132.31W 0 4.6,4.5
MOS X 29 01 49 00.1–.98 52.46N 132.02W 14 5.1b,4.6s
ISCJB X 29 01 49 01.0–.42 52.51N–.02 131.91W–.04 18–3 4.7b,4.4s
NEIC X 29 01 49 01.6–.17 52.52N 132.04W 10 5.0W,4.6b
GCMT X 29 01 49 04.6–.20 52.36N–.01 132.28W–.02 12 5.1W,4.6b
ISC Event type ke.
PGC Event type ke. 115km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$4.70000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c53; s109,c177;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.16±.12 $M_{\theta\theta}$2.58±.12; $M_{\phi\phi}$3.58±.12; $M_{r\theta}$0.42±.37; $M_{\theta\phi}$-2.78±.09; $M_{\phi r}$0.89±.43; Best double couple: NP1:ϕ_s148.00000°,δ47.00000°,λ-79.00000°. NP2:ϕ_s312.00000°,δ44.00000°,λ-101.00000°. Principal axes: T 5.9190,Plg2.0000° ,Azm230.0000°; N 0.3770,Plg8.0000°,Azm321.0000°; P -6.2960,Plg82.0000°,Azm126.0000° $M_0$6.10700×10^{16}
ISC X 29 02 17 57.8–1.5 52.6N–.10 132.3W–.10 10 3.7b 9 1-77
IDC X 29 02 17 55.9–1.4 52.60N 132.36W 0 4.1L,3.9 **¶602000189**
ISCJB X 29 02 17 56.1–1.2 52.64N–.08 132.4W–.10 10 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 02 25 54.2–1.3 52.74N–.09 132.7W–.10 10 3.9b 13 0-78
ISCJB X 29 02 25 51.5–1.2 52.72N–.06 132.9W–.20 10 3.7b,3.4s **¶602000190**
IDC X 29 02 25 52.1–1.3 52.75N 133.02W 0 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=8.4km az=170.8.
IDC Error ellipse: s-maj=19.4km s-min=9.1km az=109.0.
ISC X 29 02 40 53.6–.54 52.41N–.05 132.45W–.07 18 4.3b,3.7s 140 1-151
ISCJB X 29 02 40 52.0–.26 52.41N–.04 132.52W–.08 18 4.2b,3.7s **¶601857846**
IDC X 29 02 40 51.1–.86 52.41N 132.53W 0 4.1,3.9
NEIC X 29 02 40 53.0–.34 52.40N 132.49W 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=2.3km az=145.3.
IDC Error ellipse: s-maj=18.1km s-min=8.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=2.8km az=53.0.
ISC X 29 02 44 49.4–1.6 53.1N–.50 131.3W–.20 10 7 1-59
ISCJB X 29 02 44 48.3–1.9 53.2N–.40 131.3W–.20 10 3.3b **¶602000191**
IDC X 29 02 44 48.6–1.7 53.07N 131.28W 0 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=64.3km s-min=7.1km az=16.9.
IDC Error ellipse: s-maj=88.1km s-min=8.7km az=19.0.
ISC X 29 02 45 47.5–.69 52.59N–.10 132.3W–.10 10 4.0b 31 1-69
IDC X 29 02 45 45.6–.97 52.43N 132.58W 0 4.0b,3.9 **¶602000194**
NEIC X 29 02 45 47.9–.56 52.23N 132.84W 10 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=8.6km az=88.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=5.8km az=49.0.
IDC X 29 02 46 42.8–15 53.08N 133.90W 0 4.1,3.8L ¶602000197
IDC Error ellipse: s-maj=222.7km s-min=161.0km az=113.0.
ISC X 29 02 49 44.5–1.5 52.3N–.10 132.3W–.10 18 7 3-60
IDC X 29 02 49 40.9–1.9 52.21N 132.79W 0 3.9,3.6b **¶602000198**
ISCJB X 29 02 49 42.7–1.2 52.3N–.10 132.3W–.20 18 3.5b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC X 29 03 06 00.9–2.7 52.27N 132.58W 0 3.6,3.5L ¶602000199
IDC Error ellipse: s-maj=37.5km s-min=21.5km az=61.0.
ISC X 29 03 09 04.0–1.2 52.56N–.10 132.8W–.10 10 3.6b 12 1-78
ISCJB X 29 03 09 01.6–.96 52.53N–.08 133.2W–.10 10 4.5s,3.5b **¶602000200**
IDC X 29 03 09 02.0–1.2 52.52N 133.00W 0 3.8,3.7L
PGC X 29 03 09 03.9 52.54N 132.52W 30 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=8.8km az=142.5.
IDC Error ellipse: s-maj=20.3km s-min=9.0km az=98.0.
PGC Event type ke. 91km southwest of Sandspit, Bc Haida Gwaii Region.

ISC X 29 03 26 00.3–1.3 52.5N–.10 132.4W–.10 18 3.6b 12 1-88
PGC X 29 03 25 51.2 51.81N 132.47W 30 3.6b ¶602000202
IDC X 29 03 25 57.0–1.6 52.35N 132.82W 0 3.8,3.7b
ISC Event type ke.
PGC Event type ke. 166km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=22.5km s-min=8.8km az=80.0.
ISC X 29 03 47 54.9–.49 52.44N–.05 132.28W–.06 18 4.2b 316 1-150
IDC X 29 03 47 50.4–.72 52.24N 132.49W 0 4.1,4.0 ¶601857848
ISCJB X 29 03 47 53.8–.18 52.46N–.03 132.21W–.05 18 4.1b,3.4s
PGC X 29 03 47 53.1 52.42N 132.42W 16 4.1b,3.4s
NEIC X 29 03 47 55.2–.23 52.49N 132.16W 10 4.1b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=8.0km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=1.8km az=144.6.
PGC Event type ke. 100km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=2.0km az=53.0.
ISC X 29 03 50 34.4–1.3 52.5N–.10 132.1W–.10 10 11 1-70
ISCJB X 29 03 50 32.7–1.1 52.42N–.09 132.4W–.20 10 3.7b ¶602000204
IDC X 29 03 50 32.8–1.6 52.42N 132.32W 0 4.1,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.7km az=140.8.
IDC Error ellipse: s-maj=35.0km s-min=8.8km az=70.0.
ISC X 29 04 06 12.1–.57 52.55N–.08 132.25W–.08 18 3.9b,3.8s 73 1-151
IDC X 29 04 06 08.2–.75 52.38N 132.38W 0 4.0,4.0 ¶601882354
PGC X 29 04 06 09.3–.30 52.34N 132.48W 0–92 4.0,4.0
ISCJB X 29 04 06 11.2–.41 52.64N–.05 132.03W–.10 18 3.9s,3.8b
ISC Event type ke.
PGC Event type ke. 111km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 29 04 19 51.2–1.1 53.3N–.10 131.76W–.06 10 3.6s 8 0-80
ISCJB X 29 04 19 50.4–.85 53.45N–.10 131.60W–.09 10 3.5b,3.4s ¶602000207
IDC X 29 04 19 50.6–1.1 53.46N 131.55W 0 3.6b,3.5
PGC X 29 04 19 54.4 52.67N 132.10W 19 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.8km az=9.0.
IDC Error ellipse: s-maj=16.8km s-min=6.7km az=170.0.
PGC Event type ke. 67km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 04 43 45.5–1.2 52.6N–.10 131.9W–.10 18 11 1-57
IDC X 29 04 43 43.2–1.5 52.54N 132.05W 0 3.7,3.4 ¶602000209
ISCJB X 29 04 43 44.1–.93 52.61N–.08 131.9W–.10 18 3.1b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 05 20 49.1–.97 53.0N–.20 131.5W–.20 10 7 1-59
IDC X 29 05 20 49.9–1.7 52.67N 131.87W 0 3.6,3.6L ¶602000210
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=6.3km az=40.0.
ISC X 29 05 32 55.4–.91 52.5N–.10 131.96W–.10 18 4.0b 19 1-88
PGC X 29 05 32 52.2 52.30N 132.33W 18 4.0b ¶603776179
IDC X 29 05 32 52.4–.92 52.36N 132.01W 0 4.1,3.9b
ISCJB X 29 05 32 53.7–.76 52.44N–.08 131.9W–.20 18 3.9b,3.2s
ISC Event type ke.
PGC Event type ke. 111km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 29 05 44 22.4–1.3 52.6N–.10 133.0W–.10 10 3.6b 10 1-75
ISCJB X 29 05 44 20.6–1.2 52.59N–.09 133.1W–.10 10 3.5b ¶602000212
IDC X 29 05 44 21.3–1.3 52.62N 132.98W 0 3.6,3.6b
PGC X 29 05 44 28.2 53.02N 132.41W 23 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=9.2km az=43.4.
IDC Error ellipse: s-maj=13.0km s-min=8.7km az=87.0.
PGC Event type ke. 47km Wsw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 05 50 10.5–1.0 52.2N–.10 131.5W–.10 23 3.5b 11 1-77
IDC X 29 05 50 07.5–1.0 52.21N 131.44W 0 3.8,3.7L ¶602000215
ISCJB X 29 05 50 09.8–.85 52.2N–.10 131.3W–.20 23 3.6s,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 05 58 45.3–1.1 52.68N–.10 132.7W–.10 10 3.6b 13 1-76
PGC X 29 05 58 39.6–1.1 52.44N 133.00W 30–1 3.6b ¶603776182
IDC X 29 05 58 42.8–1.1 52.64N 132.92W 0 3.8,3.6
ISCJB X 29 05 58 43.6–1.0 52.66N–.07 132.7W–.20 10 3.3b,3.6
ISC Event type ke.
PGC Event type ke. 120km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 29 06 03 54.5–.39 52.98N–.06 132.32W–.06 22 4.4b 450 0-151
PGC X 29 06 03 50.4 52.83N 132.35W 14 4.4b ¶601857857
IDC X 29 06 03 50.7–.46 52.84N 132.45W 0 4.4,4.3
ISCJB X 29 06 03 52.6–.14 52.98N–.02 132.32W–.04 22 4.3b,4.1s
NEIC X 29 06 03 53.2–.17 52.94N 132.40W 10 4.2b,4.1s
ISC Event type ke.
PGC Event type ke. 59km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=9.7km s-min=5.7km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=1.6km az=140.1.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=1.7km az=48.0.
ISC X 29 06 16 36.6–.97 53.62N–.06 131.48W–.07 14 9 1-32
PGC X 29 06 16 34.8 52.37N 132.42W 17 ¶602000221
IDC X 29 06 16 35.0–1.6 52.42N 132.89W 0 3.9L,3.7
ISC Event type ke.
PGC Event type ke. 105km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=16.3km s-min=8.5km az=72.0.
ISC X 29 06 27 55.3–1.9 52.4N–.20 132.5W–.30 18 7 1-57
ISCJB X 29 06 27 53.5–1.6 52.3N–.10 132.6W–.40 18 3.3b ¶602000223
IDC X 29 06 27 53.2–2.2 52.36N 132.39W 0 3.6,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.7km s-min=9.3km az=157.3.
IDC Error ellipse: s-maj=49.5km s-min=9.6km az=74.0.
ISC X 29 06 42 29.3–.95 53.0N–.10 131.4W–.10 10 8 1-85
IDC X 29 06 42 28.4–1.6 52.29N 132.34W 0 4.0b,3.9 ¶602000227
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=8.5km az=51.0.
ISC X 29 06 48 20.3–1.5 52.4N–.20 132.0W–.20 10 9 1-77
IDC X 29 06 48 18.4–1.7 52.29N 132.33W 0 3.8,3.6b ¶602000231
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=9.5km az=67.0.
ISC X 29 07 10 31.8–1.6 52.2N–.20 132.3W–.10 10 8 1-77
ISCJB X 29 07 10 31.0–1.4 52.2N–.10 132.4W–.20 10 4.0s,3.6b ¶602000235
IDC X 29 07 10 31.9–1.6 52.30N 132.27W 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=8.6km az=44.9.
IDC Error ellipse: s-maj=17.6km s-min=7.5km az=49.0.
ISC X 29 07 39 06.7–.59 52.35N–.08 131.79W–.08 18 4.1b 221 1-77
PGC X 29 07 38 52.3 51.47N 131.81W 7 4.1b ¶602000237
IDC X 29 07 39 04.3–.84 52.34N 131.73W 0 4.1,3.9
ISCJB X 29 07 39 05.0–.24 52.33N–.03 131.79W–.06 18 4.0b,3.8s
NEIC X 29 07 39 05.7–.25 52.36N 131.79W 10 4.7L,4.0b
ISC Event type ke.
PGC Event type ke. 197km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=14.3km s-min=6.0km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=144.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=2.7km az=51.0.
ISC X 29 07 53 02.2–.70 52.52N–.08 131.37W–.08 10 3.9b 138 1-57
IDC X 29 07 53 00.6–1.1 52.40N 131.51W 0 4.1,3.9L ¶602000241
ISCJB X 29 07 53 01.2–.26 52.45N–.04 131.48W–.07 10 3.9b,3.9L
NEIC X 29 07 53 03.3–.29 52.44N 131.46W 10 4.4L,3.8b
PGC X 29 07 53 06.0 52.60N 131.91W 1 4.4L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=5.7km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=2.3km az=139.2.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=2.7km az=50.0.
PGC Event type ke. 73km south of Sandspit, Bc Haida Gwaii Region.
IDC X 29 08 05 25.7–2.2 52.88N 132.10W 0 4.2,4.2s
¶602000243
IDC Error ellipse: s-maj=124.8km s-min=7.8km az=51.0.
ISC X 29 08 19 08.0–.92 52.33N–.09 131.6W–.10 10 53 1-87
ISCJB X 29 08 19 06.5–.44 52.47N–.06 131.6W–.10 10 3.6b,3.6s ¶602000247
IDC X 29 08 19 07.0–1.3 52.40N 131.56W 0 3.8,3.7L
NEIC X 29 08 19 08.3–.66 52.41N 131.67W 10 4.3L,3.6b
PGC X 29 08 19 13.1 52.67N 131.99W 8 4.3L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=3.3km az=141.9.
IDC Error ellipse: s-maj=19.5km s-min=5.9km az=37.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=4.5km az=53.0.
PGC Event type ke. 65km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 08 37 07.6–1.5 52.3N–.20 133.3W–.20 10 7 1-77
ISCJB X 29 08 37 06.5–1.3 52.3N–.10 133.2W–.30 10 3.6b ¶602000248
IDC X 29 08 37 06.1–1.9 52.28N 133.30W 0 3.7b,3.7
PGC X 29 08 37 08.4–.24 52.95N 132.42W 26–3 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.4km s-min=11.6km az=143.3.
IDC Error ellipse: s-maj=36.9km s-min=18.1km az=54.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 52km Wsw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 08 37 53.9–1.2 52.49N–.09 132.9W–.10 10 3.9b 11 1-87
ISCJB X 29 08 37 52.1–.97 52.47N–.08 133.0W–.20 10 3.7b,3.4s ¶602000251
IDC X 29 08 37 52.3–1.1 52.48N 132.97W 0 4.0,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=9.4km az=157.0.
IDC Error ellipse: s-maj=18.9km s-min=10.4km az=96.0.
ISC X 29 08 58 30.4–.57 52.46N–.08 132.03W–.07 18 4.1b 242 1-88
PGC X 29 08 58 22.1 51.88N 132.33W 27 4.1b ¶602000254
IDC X 29 08 58 27.5–.76 52.38N 131.99W 0 4.1,3.9
ISCJB X 29 08 58 29.3–.19 52.49N–.03 131.99W–.06 18 4.0b,3.3s
NEIC X 29 08 58 30.3–.23 52.45N 132.04W 10 4.6L,3.9b
ISC Event type ke.
PGC Event type ke. 156km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=12.8km s-min=5.9km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=2.0km az=140.9.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=2.1km az=50.0.
ISC X 29 09 33 09.9–1.5 52.6N–.10 132.1W–.10 10 9 1-57
ISCJB X 29 09 33 09.6–1.0 52.68N–.07 132.0W–.10 10 3.4b ¶602000258
IDC X 29 09 33 09.7–1.4 52.71N 131.98W 0 3.6L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.7km az=141.5.
IDC Error ellipse: s-maj=20.1km s-min=5.6km az=43.0.
ISC X 29 09 49 10.3–1.5 52.6N–.20 131.9W–.20 10 8 1-58
PGC X 29 09 48 46.4 51.39N 130.79W 1 ¶602000259
IDC X 29 09 49 09.4–1.1 52.74N 131.65W 0 3.6,3.4L
ISCJB X 29 09 49 10.1–1.0 52.7N–.10 131.8W–.20 10 3.1b,2.9s
ISC Event type ke.
PGC Event type ke. 202km Wsw of Bella Bella, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 29 10 09 06.5–3.4 53.8N–.30 132.01W–.10 10 8 1-57
IDC X 29 10 09 05.8–2.5 53.78N 131.91W 0 3.5,3.4L ¶603776201
PGC X 29 10 09 06.3 52.58N 132.71W 1 3.5,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=7.2km az=156.0.
PGC Event type ke. 95km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 29 10 50 17.7–1.4 52.4N–.10 132.1W–.10 18 9 1-31
PGC X 29 10 50 15.6 52.35N 132.34W 12 ¶602000262
IDC X 29 10 50 15.7–1.7 52.39N 132.00W 0 3.8,3.5b
ISC Event type ke.
PGC Event type ke. 106km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=21.6km s-min=6.4km az=45.0.
ISC X 29 10 59 06.8–1.5 52.4N–.20 131.6W–.20 10 8 1-58
PGC X 29 10 59 02.8 52.25N 131.49W 10 ¶602000267
ISCJB X 29 10 59 05.6–1.2 52.5N–.10 131.7W–.20 10 3.0b
IDC X 29 10 59 05.6–1.3 52.46N 131.48W 0 3.8,3.7L
ISC Event type ke.
PGC Event type ke. 113km Sse of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=28.0km s-min=8.3km az=138.6.
IDC Error ellipse: s-maj=20.2km s-min=5.9km az=34.0.
ISC X 29 11 07 16.3–1.0 51.85N–.09 131.4W–.10 23 48 2-18
PGC X 29 11 07 11.3 51.76N 131.04W 1 ¶602000269
NEIC X 29 11 07 15.0–.00 51.95N 131.18W 10 5.0L
ISC Event type ke.
PGC Event type ke. 174km Sse of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISC X 29 11 07 25.3–1.1 52.36N–.10 131.6W–.10 10 3.5s,3.5b 16 1-77
ISCJB X 29 11 07 24.0–.98 52.37N–.07 131.5W–.20 10 3.5b,3.5s ¶606857478
IDC X 29 11 07 23.8–1.0 52.40N 131.44W 0 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=6.8km az=156.4.
IDC Error ellipse: s-maj=14.7km s-min=5.5km az=39.0.
ISC X 29 11 12 57.0–1.6 52.8N–.10 132.3W–.20 10 9 0-32
PGC X 29 11 12 53.8 52.80N 132.66W 22 ¶603776205
ISCJB X 29 11 12 57.1–1.3 52.9N–.10 132.2W–.30 10 3.0b
IDC X 29 11 12 57.1–1.4 52.90N 132.14W 0 3.4,3.3
ISC Event type ke.
PGC Event type ke. 75km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=31.6km s-min=8.5km az=142.6.
IDC Error ellipse: s-maj=24.7km s-min=4.8km az=41.0.
ISC X 29 11 19 55.0–1.6 52.83N–.10 132.9W–.20 10 8 0-40
PGC X 29 11 19 51.7–.29 52.69N 132.81W 29–1 ¶602000271
IDC X 29 11 19 54.6–1.9 52.79N 132.77W 0 3.6,3.4L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. 91km Wsw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=20.2km s-min=8.0km az=84.0.
IDC X 29 11 39 58.2–2.4 52.95N 131.51W 0 3.8,3.4L
¶602000276
IDC Error ellipse: s-maj=157.4km s-min=10.5km az=28.0.
IDC X 29 11 58 23.7–4.2 51.74N 131.51W 0 3.5,3.4b
¶602000277
IDC Error ellipse: s-maj=67.8km s-min=17.5km az=150.0.
ISC X 29 12 05 15.2–.37 52.62N–.04 132.45W–.05 18 4.5b,3.8s 425 1-151
IDC X 29 12 05 11.7–.50 52.50N 132.70W 0 4.3,4.2 ¶601857870
PGC X 29 12 05 12.2–.29 52.47N 132.59W 26–0 4.3,4.2
ISCJB X 29 12 05 13.4–.14 52.59N–.02 132.56W–.04 18 4.4b,3.8s
NEIC X 29 12 05 14.3–.13 52.58N 132.57W 10 4.8L,4.4b
GCMT X 29 12 05 20.3–.30 52.58N–.03 132.21W–.07 18–1 5.0W,4.4b
ISC Event type ke.
PGC Event type ke. 100km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s75,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.19 $M_{\theta\theta}$1.39±.13; $M_{\phi\phi}$1.06±.13; $M_{r\theta}$1.76±.31; $M_{\theta\phi}$-0.90±.07; $M_{\phi r}$-1.95±.35; Best double couple: NP1:ϕ_s316.00000°,δ69.00000°,λ-87.00000°. NP2:ϕ_s126.00000°,δ21.00000°,λ-99.00000°. Principal axes: T 3.3170,Plg24.0000° ,Azm43.0000°; N 0.3360,Plg3.0000°,Azm134.0000°; P -3.6530,Plg65.0000°,Azm232.0000° $M_0$3.48500×10^{16}
NEIC X 29 13 16 11.0–.00 52.63N 132.04W 30 4.0L
PGC X 29 13 16 12.1–.13 52.58N 132.08W 0–55 4.0L ¶602037288
NEIC Event type se. After OTT.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 76km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 13 52 51.0–.95 52.6N–.10 131.7W–.10 10 10 1-77
ISCJB X 29 13 52 50.2–.81 52.6N–.10 131.7W–.20 10 3.5b ¶602000288
IDC X 29 13 52 50.3–1.2 52.63N 131.45W 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=7.6km az=42.5.
IDC Error ellipse: s-maj=22.8km s-min=5.9km az=32.0.
ISC X 29 14 25 13.8–1.4 52.5N–.10 132.0W–.20 10 8 1-31

ISCJB X 29 14 25 12.3–1.1 52.5N–.10 132.0W–.20 10 3.1b ¶602000291
IDC X 29 14 25 12.3–2.4 52.39N 132.34W 0 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=7.5km az=135.7.
IDC Error ellipse: s-maj=56.2km s-min=10.1km az=72.0.
ISC X 29 14 27 34.4–1.1 52.6N–.20 131.4W–.10 10 7 1-31
IDC X 29 14 27 33.0–1.5 52.34N 131.63W 0 3.9,3.8L ¶602000293
ISCJB X 29 14 27 33.4–1.0 52.5N–.10 131.5W–.20 10 3.4b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 14 47 05.7–1.1 52.48N–.09 132.5W–.10 18 4.1b 13 1-88
IDC X 29 14 47 02.5–1.3 52.36N 132.79W 0 4.0b,3.9 ¶602000295
ISCJB X 29 14 47 04.1–.85 52.43N–.07 132.5W–.10 18 3.8b,3.9
PGC X 29 14 47 04.3 52.42N 132.42W 2 3.8b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=8.3km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=7.1km az=145.7.
PGC Event type ke. 100km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 29 14 49 26.4–1.4 52.5N–.10 132.2W–.10 18 8 1-77
IDC X 29 14 49 23.4–1.6 52.44N 132.64W 0 3.7,3.5 ¶602000296
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=9.7km az=71.0.
ISC X 29 15 01 07.6–.79 52.0N–.10 131.8W–.10 23 4.3b 71 1-80
IDC X 29 15 01 02.5–1.4 52.30N 131.86W 0 4.0,3.7b ¶601859227
ISCJB X 29 15 01 06.8–.39 52.02N–.07 131.8W–.10 23 4.2b,3.6s
NEIC X 29 15 01 06.9–.38 52.01N 131.76W 10 4.0b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=9.4km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=3.3km az=141.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=2.9km az=52.0.
ISC X 29 15 15 01.0–.65 52.26N–.08 132.14W–.08 10 4.2b 94 1-88
PGC X 29 15 14 45.8–.37 53.17N 132.29W 12–4 4.2b ¶601859228
IDC X 29 15 14 58.8–1.1 52.16N 132.42W 0 4.1,4.0b
NEIC X 29 15 15 01.9–.32 51.99N 132.27W 10 4.0b,4.0b
ISC Event type ke.
PGC Event type ke. 32km west of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=23.8km s-min=8.4km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.0km az=53.0.
ISC X 29 15 19 42.1–2.0 52.3N–.20 132.4W–.20 18 6 1-31
IDC X 29 15 19 39.9–3.0 52.16N 132.47W 0 3.7,3.7L ¶602000298
ISCJB X 29 15 19 41.3–2.0 52.2N–.10 132.4W–.40 18 3.3b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 15 31 37.0–1.6 52.2N–.10 132.0W–.10 10 9 1-57
IDC X 29 15 31 35.8–1.7 52.15N 132.05W 0 4.0,3.6L ¶602000299
ISCJB X 29 15 31 36.7–1.2 52.26N–.10 131.9W–.20 10 3.5b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 15 38 30.5–.64 52.26N–.08 131.78W–.08 18 4.1b 98 1-80
IDC X 29 15 38 27.9–.99 52.31N 131.75W 0 4.0b,3.9 ¶601859229
NEIC X 29 15 38 29.9–.31 52.08N 132.14W 10 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=6.7km az=41.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.0km az=52.0.
ISC X 29 15 39 21.6–1.9 52.1N–.30 132.4W–.50 10 3.8b 7 1-77
ISCJB X 29 15 39 19.8–1.2 52.1N–.10 132.5W–.40 10 3.6b ¶602000303
IDC X 29 15 39 20.2–1.3 52.14N 132.33W 0 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.3km s-min=11.0km az=160.8.
IDC Error ellipse: s-maj=47.4km s-min=10.5km az=78.0.
ISC X 29 15 40 30.9–.56 52.37N–.08 131.72W–.07 10 4.2b 80 1-97
IDC X 29 15 40 29.0–.70 52.28N 131.87W 0 4.1b,4.1 ¶602000304
NEIC X 29 15 40 31.3–.36 52.22N 132.19W 10 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=6.8km az=43.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=3.9km az=47.0.
ISC X 29 16 08 04.0–.92 52.4N–.10 132.0W–.10 18 21 1-18
PGC X 29 16 08 01.2 52.31N 132.07W 15 ¶602000309
IDC X 29 16 08 01.6–2.4 52.34N 132.04W 0 4.0L,3.5
ISCJB X 29 16 08 02.6–.70 52.41N–.08 131.9W–.20 18 4.0L,3.5
NEIC X 29 16 08 03.3–2.4 52.39N 131.82W 11–18 4.7L,4.0b
ISC Event type ke.
PGC Event type ke. 105km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=37.9km s-min=8.7km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=5.4km az=141.9.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=8.4km az=49.0.
ISC X 29 16 33 08.6–.66 52.22N–.07 131.90W–.08 18 4.2b,4.0s 136 1-88
IDC X 29 16 33 06.9–.97 52.30N 131.78W 0 4.1,3.9 ¶601861579
ISCJB X 29 16 33 07.6–.31 52.25N–.04 132.00W–.08 18 4.1b,4.1s
NEIC X 29 16 33 08.3–1.6 52.26N 131.90W 7–11 4.3L,4.1b
PGC X 29 16 33 10.0 52.49N 131.90W 2 4.3L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=6.6km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=2.4km az=142.3.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=2.9km az=50.0.
PGC Event type ke. 84km south of Sandspit, Bc Haida Gwaii Region.
ISC X 29 17 35 26.7–1.6 52.5N–.20 132.1W–.20 18 9 1-63
PGC X 29 17 35 17.0 52.08N 132.35W 12 ¶602000318
ISCJB X 29 17 35 24.8–1.7 52.5N–.10 132.3W–.40 18 3.7b
IDC X 29 17 35 24.5–2.1 52.51N 132.18W 0 3.7,3.6b
ISC Event type ke.
PGC Event type ke. 135km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=35.1km s-min=8.9km az=151.3.
IDC Error ellipse: s-maj=37.7km s-min=7.6km az=60.0.
ISC X 29 17 36 03.4–.65 52.20N–.08 131.99W–.09 18 4.1b 36 1-151
IDC X 29 17 36 00.9–.68 52.20N 131.99W 0 4.2,4.1 ¶602000322
ISCJB X 29 17 36 02.4–.47 52.24N–.05 131.9W–.10 18 4.0b,3.5s
NEIC X 29 17 36 02.6–.43 52.17N 131.89W 10 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=7.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=146.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.8km az=223.0.
ISC X 29 17 44 05.0–.88 52.55N–.08 132.41W–.09 18 3.9b 18 1-96
IDC X 29 17 44 02.5–.97 52.48N 132.55W 0 4.0b,3.9 ¶602000326
ISCJB X 29 17 44 03.6–.70 52.54N–.06 132.4W–.10 18 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 18 42 49.3–1.5 52.0N–.20 132.1W–.20 18 3.9b 8 1-88
PGC X 29 18 42 16.9 52.31N 132.07W 14 3.9b ¶602000335
IDC X 29 18 42 46.1–1.7 52.10N 132.25W 0 4.1,3.9L
ISCJB X 29 18 42 47.8–1.5 52.1N–.10 132.2W–.30 18 3.9b,3.2s
ISC Event type ke.
PGC Event type ke. 105km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 29 18 57 55.4–1.6 52.2N–.10 132.2W–.20 10 9 1-31
IDC X 29 18 57 53.9–3.0 52.13N 132.35W 0 3.8,3.5 ¶602000341
ISCJB X 29 18 57 54.4–1.7 52.2N–.10 132.2W–.30 10 3.2b,3.5
PGC X 29 18 57 55.1 52.18N 132.36W 6 3.2b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=10.1km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=29.8km s-min=8.8km az=152.7.
PGC Event type ke. 124km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 18 58 19.4–1.4 52.4N–.10 131.3W–.10 10 3.7s 10 2-97
ISCJB X 29 18 58 18.8–1.0 52.41N–.09 131.3W–.20 10 3.8s,3.7b ¶602000344
IDC X 29 18 58 18.1–1.5 52.35N 131.35W 0 4.2,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=10.2km az=136.1.
IDC Error ellipse: s-maj=22.8km s-min=13.4km az=52.0.
ISC X 29 19 08 26.8–.88 52.43N–.10 131.95W–.09 10 4.0b 17 1-88
PGC X 29 19 08 25.6 52.35N 132.34W 15 4.0b ¶601902236
IDC X 29 19 08 25.5–.97 52.41N 132.06W 0 4.1,4.0b
ISCJB X 29 19 08 26.1–.71 52.49N–.08 131.9W–.10 10 3.9b,4.0b
NEIC X 29 19 08 27.4–.80 52.42N 132.00W 10 4.5L,4.0b
ISC Event type ke.
PGC Event type ke. 106km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=19.9km s-min=7.5km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.5km az=40.2.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.3km az=51.0.
ISC X 29 19 53 35.8–.92 52.48N–.09 131.9W–.10 18 24 1-88
PGC X 29 19 53 31.5 52.25N 132.46W 14 ¶601902237
IDC X 29 19 53 32.8–1.2 52.42N 132.02W 0 4.1,3.9b
ISCJB X 29 19 53 33.9–.65 52.46N–.06 131.9W–.10 18 4.4b,3.8s
NEIC X 29 19 53 35.0–.83 52.45N 131.84W 10 4.4b,4.3L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=578.2km s-min=425.4km az=-1.0. 118km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=24.5km s-min=7.0km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.5km az=140.4.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=7.2km az=60.0.
ISC X 29 20 14 28.0–.54 52.68N–.07 132.58W–.07 18 4.3b 143 1-151
IDC X 29 20 14 24.7–.56 52.57N 132.73W 0 4.3,4.2 ¶601874264
ISCJB X 29 20 14 26.8–.30 52.70N–.04 132.42W–.08 18 4.2b,4.0s
NEIC X 29 20 14 26.5–.45 52.56N 132.69W 10 4.2b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=7.1km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.3km az=148.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=5.7km az=46.0.
ISC X 29 20 21 10.4–1.2 52.6N–.10 132.4W–.20 18 3.8b 13 1-99
IDC X 29 20 21 07.2–1.2 52.50N 132.56W 0 4.0,3.9b ¶602000351
PGC X 29 20 21 07.6 52.49N 132.62W 29 4.0,3.9b
ISCJB X 29 20 21 09.0–1.0 52.61N–.09 132.4W–.20 18 4.1s,3.8b
NEIC X 29 20 21 09.2–.98 52.55N 132.44W 10 4.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=7.4km az=78.0.
PGC Event type ke. 100km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=8.1km az=150.9.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.0km az=59.0.
ISC X 29 20 49 45.0–1.1 52.35N–.04 131.41W–.03 3–6 4.7b,4.5s 591 0-151
PGC X 29 20 49 42.5–9.8 52.16N 131.70W 14–0 4.9W,4.8L ¶601861581
IDC X 29 20 49 43.8–.57 52.29N 131.63W 0 4.5,4.3
ISCJB X 29 20 49 44.5–.55 52.39N–.02 131.42W–.03 8–4 4.6b,4.4s
GCMT X 29 20 49 45.9–.30 52.18N–.01 131.75W–.03 12 4.9W,4.4s
MOS X 29 20 49 45.0–1.0 52.36N 131.54W 17 4.8b,4.4s
NEIC X 29 20 49 46.9–.15 52.38N 131.49W 10 4.9W,4.6b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 121km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=14.3km s-min=6.3km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=1.5km az=140.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s91,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.90±.08 $M_{\theta\theta}$-3.32±.07; $M_{\phi\phi}$1.42±.07; $M_{r\theta}$0.10±.21; $M_{\theta\phi}$-0.07±.07; $M_{\phi r}$0.90±.26; Best double couple: NP1:ϕ_s58.00000°,δ57.00000°,λ43.00000°. NP2:ϕ_s301.00000°,δ55.00000°,λ138.00000°. Principal axes: T 2.5940,Plg52.0000° ,Azm271.0000°; N 0.7300,Plg38.0000°,Azm88.0000°; P -3.3230,Plg1.0000°,Azm179.0000° M_o2.95800×10^{16}
MOS Error ellipse: s-maj=12.9km s-min=4.6km az=113.7.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=1.6km az=48.0. Moment Tensor Solution. M_o3.00000×10^{16}
ISC X 29 21 15 05.4–1.3 52.5N–.10 131.9W–.10 10 11 1-77
ISCJB X 29 21 15 04.3–.94 52.62N–.07 131.8W–.10 10 3.7b ¶602000358
IDC X 29 21 15 04.5–1.4 52.55N 131.96W 0 3.9,3.7b
PGC X 29 21 15 12.3 52.95N 132.44W 2 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.4km az=137.5.
IDC Error ellipse: s-maj=18.9km s-min=6.0km az=44.0.
PGC Event type ke. 53km Wsw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 22 00 34.0–.38 52.59N–.05 132.26W–.05 18 4.6b,4.2s 522 1-151
PGC X 29 22 00 30.0 52.46N 132.58W 17 4.6b,4.2s ¶601859247
IDC X 29 22 00 30.6–.48 52.49N 132.30W 0 4.5,4.4
MOS X 29 22 00 31.2–.97 52.57N 132.34W 10 4.9b,4.4
ISCJB X 29 22 00 32.2–.14 52.57N–.02 132.28W–.04 18 4.5b,4.2s
NEIC X 29 22 00 33.1–.14 52.59N 132.29W 10 4.3b,4.2s
GCMT X 29 22 00 34.1–.20 52.40N–.02 132.69W–.02 12 5.1W,4.2s
ISC Event type ke.
PGC Event type ke. 101km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c61; s119,c197;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.11±.10 $M_{\theta\theta}$0.87±.11; $M_{\phi\phi}$4.24±.08; $M_{r\theta}$-0.19±.34; $M_{\theta\phi}$-1.51±.08; $M_{\phi r}$-0.34±.26; Best double couple: NP1:ϕ_s342.00000°,δ47.00000°,λ-86.00000°. NP2:ϕ_s156.00000°,δ44.00000°,λ-94.00000°. Principal axes: T 4.8230,Plg1.0000° ,Azm69.0000°; N 0.3060,Plg3.0000°,Azm159.0000°; P -5.1320,Plg87.0000°,Azm314.0000° M_o4.97800×10^{16}
ISC X 29 22 21 07.0–1.6 52.5N–.10 132.2W–.10 18 9 1-31
IDC X 29 22 21 04.4–2.2 52.39N 132.31W 0 3.9,3.6b ¶602000369
ISCJB X 29 22 21 06.2–1.2 52.6N–.10 132.0W–.20 18 3.7s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 22 26 32.1–1.4 52.6N–.10 132.3W–.10 18 9 1-77
IDC X 29 22 26 29.6–1.7 52.50N 132.36W 0 3.6,3.6b ¶602000372
ISCJB X 29 22 26 30.6–1.1 52.53N–.10 132.4W–.20 18 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 22 35 52.2–1.0 52.6N–.10 132.2W–.10 10 4.0b 14 1-88
PGC X 29 22 35 49.9 52.48N 132.54W 15 4.0b ¶602000373
IDC X 29 22 35 51.0–1.1 52.58N 132.22W 0 4.0,3.9b
ISCJB X 29 22 35 51.6–.83 52.7N–.10 132.0W–.10 10 3.9b,3.8s
ISC Event type ke.
PGC Event type ke. 99km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 29 23 19 58.5–.81 52.59N–.08 132.23W–.09 18 4.0b 52 1-88
IDC X 29 23 19 54.1–1.2 52.49N 132.49W 0 4.0,3.9b ¶601874266
ISCJB X 29 23 19 56.9–.62 52.63N–.07 132.4W–.20 18 4.0s,3.9b
NEIC X 29 23 19 57.6–.52 52.62N 132.41W 10 4.0L,3.9b
PGC X 29 23 20 01.2 52.73N 131.96W 3 4.0L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=9.8km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=4.0km az=151.3.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=4.0km az=61.0.
PGC Event type ke. 58km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 29 23 21 30.4–1.3 52.7N–.10 132.3W–.10 18 3.9b 12 1-77
IDC X 29 23 21 25.9–1.3 52.42N 132.67W 0 4.0,3.9b ¶601874267
ISCJB X 29 23 21 28.1–1.0 52.6N–.10 132.3W–.20 18 3.8b,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 23 51 04.4–.95 53.48N–.09 132.15W–.08 10 8 0-32
PGC X 29 23 51 01.9–2.4 52.53N 133.12W 31–1 ¶602000381
IDC X 29 23 51 04.4–1.9 52.64N 132.72W 0 3.4,3.3
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=8.9km s-min=12.9km az=-1.0. 118km Wsw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=27.3km s-min=8.2km az=82.0.
ISC X 30 00 32 18.3–.47 52.54N–.05 132.16W–.06 18 4.2b 274 1-151
IDC X 30 00 32 14.6–.62 52.41N 132.10W 0 4.2,4.1b ¶603776326
PGC X 30 00 32 14.3 52.37N 132.42W 16 4.2,4.1b
ISCJB X 30 00 32 16.6–.24 52.54N–.03 132.07W–.06 18 4.2b,3.5s
NEIC X 30 00 32 17.1–.27 52.51N 132.23W 10 4.5L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.0km az=51.0.
PGC Event type ke. 105km southwest of Sandspit, Bc Haida Gwaii Region.

ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=2.5km az=147.3.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=2.7km az=55.0.
ISC X 30 00 35 09.2–.59 52.58N–.07 131.82W–.08 18 4.3b,4.0s 266 1-99
IDC X 30 00 35 04.2–1.1 52.38N 132.30W 0 4.3,4.0b **¶601859263**
ISCJB X 30 00 35 08.2–.31 52.53N–.03 131.64W–.07 18 4.2b,4.0s
NEIC X 30 00 35 09.6–.40 52.47N 131.67W 10 4.1b,4.0s
GCMT X 30 00 35 12.6–.40 52.36N–.03 132.22W–.05 12 4.8W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c17; s74,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.15±.07 $M_{\theta\theta}$0.92±.07; $M_{\phi\phi}$1.23±.07; $M_{r\theta}$-0.10±.26; $M_{\theta\phi}$-0.82±.06; $M_{\phi r}$0.38±.33; Best double couple: NP1:ϕ_s144.00000°,δ50.00000°,λ-85.00000°. NP2:ϕ_s317.00000°,δ40.00000°,λ-96.00000°. Principal axes: T 1.9400,Plg5.0000° ,Azm231.0000°; N 0.2510,Plg4.0000°,Azm321.0000°; P -2.1920,Plg84.0000°,Azm89.0000° M_o2.06600×10^{16}
ISC X 30 01 17 51.8–1.4 52.9N–.20 132.2W–.20 10 9 0-76
ISCJB X 30 01 17 50.6–1.2 52.9N–.10 132.1W–.20 10 3.5s,3.4b **¶602000394**
PGC X 30 01 17 50.9 53.00N 132.05W 20 3.5s,3.4b
IDC X 30 01 17 50.8–1.4 52.90N 132.16W 0 3.5,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.3km s-min=6.8km az=37.4.
PGC Event type ke. 31km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=24.2km s-min=5.5km az=42.0.
ISC X 30 01 39 46.2–1.2 53.2N–.10 133.0W–.10 10 3.8b 10 0-76
ISCJB X 30 01 39 44.6–1.0 53.3N–.10 133.1W–.20 10 3.6b **¶602000397**
PGC X 30 01 39 44.7 53.21N 133.05W 20 3.6b
IDC X 30 01 39 44.4–1.1 53.21N 133.14W 0 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=9.0km az=43.2.
PGC Event type ke. 82km west of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=17.6km s-min=6.7km az=8.0.
ISC X 30 01 44 51.2–1.3 52.2N–.10 132.1W–.10 10 3.5s 11 1-74
IDC X 30 01 44 50.2–1.5 52.15N 132.15W 0 3.8,3.5 **¶602000398**
ISCJB X 30 01 44 51.6–1.1 52.3N–.10 131.8W–.20 10 3.6s,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 01 48 08.3–2.4 52.4N–.10 132.5W–.30 18 7 1-68
ISCJB X 30 01 48 07.8–1.8 52.4N–.10 132.3W–.30 18 3.6b,3.5s **¶602000399**
IDC X 30 01 48 07.5–1.9 52.37N 132.28W 0 4.0,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.5km s-min=9.5km az=154.5.
IDC Error ellipse: s-maj=21.8km s-min=7.6km az=56.0.
IDC X 30 02 02 51.5–5.6 52.29N 132.48W 0 3.8,3.6L
¶602000400
IDC Error ellipse: s-maj=128.7km s-min=11.5km az=75.0.
ISC X 30 02 17 13.0–.69 52.63N–.07 132.03W–.08 18 4.2b,3.7s 99 1-88
PGC X 30 02 17 09.6–26 52.21N 132.43W 23–232 4.2b,3.7s **¶602000401**
NEIC X 30 02 17 09.0–.00 52.22N 132.42W 20 4.5L,4.1b
IDC X 30 02 17 10.8–1.0 52.30N 132.17W 0 4.1,3.9
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=136.8km s-min=6.1km az=-1.0. 123km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
IDC Error ellipse: s-maj=21.0km s-min=9.8km az=57.0.
ISC X 30 02 31 00.7–2.6 52.4N–.10 132.6W–.30 10 7 1-57
ISCJB X 30 02 30 58.1–2.6 52.30N–.10 132.9W–.50 10 3.3b **¶602000403**
IDC X 30 02 30 58.9–3.0 52.29N 132.76W 0 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.8km s-min=10.0km az=165.5.
IDC Error ellipse: s-maj=49.9km s-min=11.3km az=79.0.
ISC X 30 02 41 44.4–1.5 52.4N–.10 132.1W–.20 10 9 1-77
PGC X 30 02 41 40.7–.58 53.04N 132.37W 16–8 **¶602000405**
IDC X 30 02 41 42.6–1.7 52.33N 132.42W 0 4.0,3.8b
ISCJB X 30 02 41 43.1–1.3 52.4N–.10 132.3W–.30 10 3.7b,3.8b
ISC Event type ke.
PGC Event type ke. 43km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 30 02 49 01.3–.42 52.15N–.03 132.11W–.03 10–2 6.1s,5.8b 2182 0-163
BJI X 30 02 48 57.5 52.28N 132.01W 5 6.2s,6.1b **¶601867005**
PGC X 30 02 48 58.4–3.7 52.13N 132.32W 19–0 6.1W,5.6L
IDC X 30 02 48 59.7–.38 52.23N 132.12W 0 5.9,5.9s
MOS X 30 02 49 00.1–1.1 52.25N 132.11W 10 6.1s,6.0b
ISCJB X 30 02 49 00.6–.09 52.31N–.01 131.91W–.02 11 6.1s,5.7b
NEIC X 30 02 49 02.0–.00 52.32N 132.07W 11 6.1s,5.7b
NEIC X 30 02 49 02.3–.13 52.37N 131.90W 9 6.2W,6.2W
GCMT X 30 02 49 07.3–.10 52.15N 132.11W 12 6.2W,6.2W
NEIC X 30 02 49 26.4–.00 52.27N 131.96W 10 6.2W,6.2W
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 129km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=57.0.
MOS Error ellipse: s-maj=6.6km s-min=3.3km az=106.5.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.0km az=139.3.
NEIC Event type se. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.90 $M_{\theta\theta}$1.14 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.98 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.27 Best double couple: NP1:ϕ_s109.00000° ,δ57.00000°,λ-113.00000°. NP2:ϕ_s327.00000°,δ40.00000°,λ-58.00000°. Principal axes: T 2.0400,Plg9.0000°,Azm215.0000°; N 0.2500,Plg19.0000°,Azm122.0000° ; P -2.2800,Plg68.0000°,Azm329.0000° M_o2.20000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=1.4km az=49.0. Felt in Haida Gwaii. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.37 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. M_o1.80000×10^{18} Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s135.00000° ,δ57.00000°,λ-85.00000°. Principal axes: T 1.1700,Plg12.0000°,Azm221.0000° ; N -0.1200,Plg4.0000°,Azm312.0000°; P -1.0500,Plg78.0000°,Azm60.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s58.00000°,δ57.00000° ,λ-156.00000°. NP2:ϕ_s315.00000°,δ70.00000°,λ-35.00000°. Principal axes: T Plg8.0000° ,Azm9.0000°; N Plg0.0000°,Azm0.0000°; P Plg39.0000°,Azm273.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c278; s144,c589;
Duration: 3ꜛ1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.40±.01 $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.61±.03; Best double couple: NP1:ϕ_s316.00000°,δ53.00000° ,λ-83.00000°. NP2:ϕ_s126.00000°,δ38.00000°,λ-99.00000°. Principal axes: T 2.6400,Plg8.0000°,Azm42.0000°; N -0.1310,Plg5.0000°,Azm132.0000° ; P -2.5090,Plg81.0000°,Azm257.0000° M_o2.57400×10^{18}
NEIC Event type se. Moment Tensor Solution. s55 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.34 $M_{\theta\theta}$1.53 $M_{\phi\phi}$0.81 $M_{r\theta}$0.03 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s296.00000° ,δ42.00000°,λ-105.00000°. NP2:ϕ_s136.00000°,δ49.00000°,λ-76.00000°. Principal axes: T 2.3400,Plg4.0000°,Azm217.0000°; N 0.1000,Plg10.0000°,Azm307.0000° ; P -2.4400,Plg79.0000°,Azm108.0000° M_o2.40000×10^{18}
ISC X 30 02 55 12.0–.94 52.28N–.04 131.87W–.04 6–5 5.0b 457 0-163
NEIC X 30 02 55 08.0–.00 52.22N 132.12W 19 5.3W,5.0b **¶601867006**
PGC X 30 02 55 09.0–15 52.22N 132.12W 19–2 5.3W,4.8L
MOS X 30 02 55 09.4–2.4 51.96N 131.73W 10 5.3b,4.8L
BJI X 30 02 55 10.3 52.50N 131.50W 5 6.1s,5.9
ISCJB X 30 02 55 12.3–.55 52.35N–.02 131.79W–.04 15–3 5.8s,4.9b
IDC X 30 02 55 13.3–2.0 52.19N 132.13W 34–13 4.5,4.5
ISC Event type ke.
NEIC Event type se. After OTT. Moment Tensor Solution. M_o1.20000×10^{17}
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.
MOS Error ellipse: s-maj=20.9km s-min=7.5km az=118.2.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.2km az=149.0.
IDC Error ellipse: s-maj=21.7km s-min=10.0km az=39.0.
ISC X 30 03 07 26.9–2.2 52.1N–.10 132.1W–.20 10 6 2-57
IDC X 30 03 07 24.4–3.6 52.01N 132.49W 0 4.0,3.7 **¶602000409**
ISC Event type ke.
IDC Error ellipse: s-maj=58.5km s-min=19.6km az=75.0.
IDC X 30 03 13 48.9–3.8 52.40N 132.52W 0 3.7,3.6L
¶602000410
IDC Error ellipse: s-maj=89.1km s-min=9.7km az=78.0.
IDC X 30 03 14 17.8–4.5 52.28N 132.42W 0 4.0,3.6
¶602000413
IDC Error ellipse: s-maj=86.7km s-min=19.5km az=79.0.
ISC X 30 03 16 03.4–2.6 52.3N–.10 132.4W–.30 10 7 1-31
IDC X 30 03 16 02.1–3.9 52.16N 132.60W 0 4.3,4.0b **¶602000414**
ISCJB X 30 03 16 03.2–2.0 52.3N–.10 132.2W–.40 10 3.9b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 03 34 53.9–1.6 52.2N–.20 131.8W–.20 18 6 1-57
IDC X 30 03 34 51.2–2.3 52.15N 131.79W 0 4.7,4.7s **¶602000415**
ISCJB X 30 03 34 52.9–1.5 52.2N–.10 131.8W–.30 18 3.7b,4.7s
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 03 38 16.4–1.5 52.3N–.20 131.8W–.30 10 8 1-31
ISCJB X 30 03 38 15.0–1.1 52.3N–.10 131.7W–.40 10 3.5b **¶602000416**
IDC X 30 03 38 15.3–1.4 52.30N 131.50W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.6km s-min=8.2km az=148.4.
IDC Error ellipse: s-maj=40.0km s-min=10.9km az=57.0.
ISC X 30 03 46 07.3–1.4 52.4N–.10 132.0W–.20 10 4.0b 11 1-77
IDC X 30 03 46 05.7–1.2 52.28N 132.33W 0 3.9,3.8b **¶602000418**
ISCJB X 30 03 46 06.0–1.0 52.36N–.09 132.2W–.20 10 3.9b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 03 51 58.3–.87 52.25N–.08 131.82W–.09 18 4.0b 50 1-77
IDC X 30 03 51 55.9–1.3 52.22N 132.00W 0 4.7,4.7s **¶602000419**
ISCJB X 30 03 51 57.6–.41 52.30N–.04 131.89W–.09 18 4.7s,4.0b
NEIC X 30 03 51 58.1–1.8 52.27N 131.85W 10–12 4.1b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=8.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.7km az=147.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=5.2km az=56.0.
ISC X 30 03 59 41.6–.59 52.33N–.06 132.02W–.07 17–3 4.4b 294 1-151
NEIC X 30 03 59 38.0–.00 52.24N 132.37W 10 4.8L,4.2b **¶601867008**
PGC X 30 03 59 38.3 52.23N 132.37W 11 4.8L,4.2b
ISCJB X 30 03 59 40.3–.75 52.38N–.03 131.88W–.06 20–6 4.8s,4.3b
IDC X 30 03 59 42.2–.67 52.43N 131.84W 20–3 4.8,4.8s
ISC Event type ke.
NEIC Event type se. After OTT.
PGC Event type ke. 119km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=2.4km az=147.3.
IDC Error ellipse: s-maj=21.0km s-min=7.0km az=50.0.
ISC X 30 04 04 44.9–1.3 52.3N–.10 132.0W–.10 18 8 1-57
IDC X 30 04 04 42.0–2.2 52.17N 132.22W 0 4.1,3.7b **¶602000420**
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=8.8km az=60.0.
ISC X 30 04 16 00.9–1.4 52.4N–.10 132.2W–.10 18 9 1-31
IDC X 30 04 15 57.7–2.5 52.26N 132.42W 0 3.8,3.8s **¶602000423**
PGC X 30 04 15 59.8 52.30N 132.33W 16 3.8,3.8s
ISCJB X 30 04 16 00.3–1.5 52.4N–.10 132.0W–.30 18 3.6s,3.1b
ISC Event type ke.
PGC Event type ke. 111km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 30 04 40 15.2–.64 52.16N–.04 131.82W–.04 23–4 4.9b,4.8s 770 0-151
PGC X 30 04 40 10.8–6.9 52.08N 132.07W 18–2 5.0W,4.6b **¶603776337**
IDC X 30 04 40 10.8–.50 52.13N 131.86W 0 4.6,4.5b
MOS X 30 04 40 12.4–1.3 52.13N 131.83W 15 5.2b,4.7s
ISCJB X 30 04 40 12.5–.65 52.19N–.02 131.72W–.03 14–4 4.8b,4.7s
NEIC X 30 04 40 15.4–.54 52.20N 131.80W 23–4 5.0W,4.6b
GCMT X 30 04 40 19.4–.30 51.97N–.02 132.07W–.06 22–1 5.3W,4.6b
ISC Event type ke.
PGC Event type ke. 131km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se. Moment Tensor Solution. M_o4.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c27; s89,c117;Duration: 1ꜛ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.24±.08 $M_{\theta\theta}$0.85±.05; $M_{\phi\phi}$0.38±.04; $M_{r\theta}$-0.34±.06; $M_{\theta\phi}$-0.19±.02; $M_{\phi r}$0.37±.08; Best double couple: NP1:ϕ_s119.00000°,δ57.00000°,λ-82.00000°. NP2:ϕ_s285.00000°,δ34.00000°,λ-102.00000°. Principal axes: T 1.0140,Plg12.0000° ,Azm203.0000°; N 0.3460,Plg7.0000°,Azm295.0000°; P -1.3600,Plg76.0000°,Azm55.0000° M_o1.18700×10^{17}
ISC X 30 05 38 18.0–1.1 52.2N–.10 131.4W–.10 10 10 1-77
ISCJB X 30 05 38 16.7–.88 52.3N–.10 131.4W–.10 10 3.4b **¶602000432**
IDC X 30 05 38 16.6–1.4 52.22N 131.45W 0 3.5,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.1km az=35.5.
IDC Error ellipse: s-maj=27.2km s-min=9.5km az=48.0.
ISC X 30 06 01 31.6–2.2 52.7N–.20 132.2W–.20 10 7 1-58
IDC X 30 06 01 29.2–2.6 52.58N 132.48W 0 3.8,3.5 **¶602000436**
ISCJB X 30 06 01 30.3–2.1 52.7N–.20 132.3W–.40 10 3.4b,3.5
PGC X 30 06 01 34.4 52.86N 132.28W 2 3.4b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=7.9km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=38.3km s-min=9.5km az=146.3.
PGC Event type ke. 53km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 30 06 53 36.4–1.9 52.5N–.10 132.9W–.30 10 4.0b 9 1-88
ISCJB X 30 06 53 35.7–2.0 52.36N–.07 132.9W–.40 10 3.9b,3.9s **¶602000443**
IDC X 30 06 53 38.9–4.3 52.50N 132.98W 34–33 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.1km s-min=9.5km az=171.6.
IDC Error ellipse: s-maj=49.4km s-min=26.1km az=58.0.
IDC X 30 09 55 04.2–4.5 52.29N 132.60W 0 4.2L,3.7
¶602000463
IDC Error ellipse: s-maj=98.2km s-min=10.5km az=79.0.
ISC X 30 11 16 18.5–2.5 52.79N–.10 133.0W–.20 10 7 1-69
PGC X 30 11 16 15.5–.18 52.63N 132.98W 6–28 **¶602000471**
ISCJB X 30 11 16 16.0–2.5 52.77N–.08 133.2W–.40 10 3.5s,3.4b
IDC X 30 11 16 17.3–1.9 52.78N 133.06W 0 3.6,3.4L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0. 104km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=34.6km s-min=11.3km az=178.4.
IDC Error ellipse: s-maj=25.8km s-min=9.4km az=106.0.
ISC X 30 12 47 18.7–2.5 52.4N–.10 132.5W–.30 10 7 1-57
ISCJB X 30 12 47 17.2–2.5 52.4N–.10 132.6W–.50 10 3.1b **¶602000478**
IDC X 30 12 47 17.4–2.7 52.40N 132.59W 0 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.7km s-min=9.7km az=160.3.
IDC Error ellipse: s-maj=45.1km s-min=8.6km az=76.0.
IDC X 30 13 02 13.2–4.0 52.31N 132.23W 0 3.8,3.5b
¶602000480
IDC Error ellipse: s-maj=110.2km s-min=9.5km az=69.0.
ISC X 30 14 10 58.6–1.1 52.21N–.04 131.87W–.04 10–6 4.7b,4.5s 567 0-151
ISCJB X 30 14 10 56.3–.58 52.29N–.02 131.92W–.04 3–3 4.7b,4.5s **¶601861597**
PGC X 30 14 10 57.2–5.4 52.14N 132.09W 28–0 5.1W,4.6b
IDC X 30 14 10 57.3–.51 52.26N 131.95W 0 4.4,4.4
MOS X 30 14 10 58.1–.92 52.25N 131.97W 16 5.0b,4.4
NEIC X 30 14 10 59.0–.00 52.30N 132.23W 10 5.1W,4.6b
GCMT X 30 14 11 04.0–.20 52.12N–.01 131.97W–.02 12 5.2W,4.6b
ISC Event type ke.
ISCJB Event type ke.
PGC Event type ke. 124km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT. Moment Tensor Solution. M_o6.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c65; s117,c218;Duration: 1ꜛ0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.75±.01 $M_{\theta\theta}$0.56±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$-0.03±.03; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$-0.17±.04; Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ-75.00000°. NP2:ϕ_s109.00000°,δ44.00000°,λ-106.00000°. Principal axes: T 0.7450,Plg2.0000° ,Azm31.0000°; N 0.0410,Plg11.0000°,Azm121.0000°; P -0.7860,Plg79.0000°,Azm289.0000° M_o0.76500×10^{17}

ISC X 30 14 37 43.4–1.1 53.0N–.20 132.0W–.20 10 8 0-31
PGC X 30 14 37 39.1–19 52.34N 132.36W 10–368 **¶602000489**
IDC X 30 14 37 42.9–1.8 52.71N 132.05W 0 3.7,3.5b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=99.0km s-min=0.7km az=-1.0. 107km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=32.1km s-min=6.4km az=47.0.
ISC X 30 15 20 52.2–.83 52.81N–.08 132.57W–.09 22 35 0-75
PGC X 30 15 20 48.1–.42 52.57N 132.87W 25–1 **¶603776407**
ISCJB X 30 15 20 49.2–.49 52.72N–.05 132.8W–.10 22 3.5b
IDC X 30 15 20 49.2–1.6 52.63N 132.56W 0 3.9,3.8b
NEIC X 30 15 20 51.5–1.5 52.80N 132.67W 18–9 4.0b,3.8b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. 103km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.5km az=146.1.
IDC Error ellipse: s-maj=28.2km s-min=7.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.2km az=50.0.
ISC X 30 15 45 58.0–1.3 52.71N–.10 132.8W–.10 10 3.6b 13 1-78
ISCJB X 30 15 45 56.2–1.0 52.68N–.07 132.9W–.20 10 3.6b,3.1s **¶602000501**
IDC X 30 15 45 56.5–1.2 52.66N 132.84W 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=8.1km az=145.7.
IDC Error ellipse: s-maj=16.5km s-min=7.8km az=89.0.
ISC X 30 15 54 45.9–1.2 52.4N–.10 131.6W–.10 10 11 1-77
ISCJB X 30 15 54 44.6–.93 52.42N–.10 131.6W–.10 10 3.6b,2.8s **¶602000503**
IDC X 30 15 54 44.1–1.5 52.31N 131.88W 0 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=6.8km az=38.3.
IDC Error ellipse: s-maj=27.1km s-min=8.0km az=53.0.
ISC X 30 15 56 19.3–1.5 52.6N–.20 131.8W–.20 18 7 1-31
ISCJB X 30 15 56 18.0–1.2 52.6N–.20 131.8W–.30 18 3.5b **¶602000504**
IDC X 30 15 56 17.2–1.8 52.59N 131.76W 0 3.6,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.6km s-min=8.5km az=136.7.
IDC Error ellipse: s-maj=50.0km s-min=7.1km az=45.0.
ISC X 30 15 57 59.1–.69 52.54N–.09 131.86W–.08 18 4.1b 66 1-88
NEIC X 30 15 57 55.0–.00 52.40N 132.42W 5 4.1L,3.9b **¶602000505**
PGC X 30 15 57 56.0–.34 52.37N 132.40W 0–81 4.1L,3.9b
IDC X 30 15 57 55.7–1.1 52.44N 132.09W 0 4.0,3.9b
ISCJB X 30 15 57 57.5–.36 52.52N–.05 131.99W–.10 18 3.9b,3.3s
ISC Event type ke.
NEIC Event type se. After OTT.
PGC Event type ke. 105km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 30 16 01 25.1–1.4 52.5N–.10 131.8W–.10 10 9 1-31
PGC X 30 16 01 21.4 52.22N 132.40W 18 **¶602000506**
IDC X 30 16 01 23.9–1.9 52.43N 131.92W 0 3.6,3.5L
ISCJB X 30 16 01 24.3–1.1 52.5N–.10 131.8W–.20 10 3.3b,3.5L
ISC Event type ke.
PGC Event type ke. 121km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 30 17 15 34.7–.98 53.2N–.20 131.3W–.10 10 8 1-37
PGC X 30 17 15 30.9–88 52.22N 132.41W 16–998 **¶602000512**
IDC X 30 17 15 34.0–1.2 53.02N 131.37W 0 3.7,3.7s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=469.2km s-min=15.7km az=-1.0. 121km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=95.3km s-min=6.0km az=20.0.
ISC X 30 17 33 31.4–.67 52.58N–.08 132.21W–.09 18 4.2b 89 1-89
IDC X 30 17 33 27.9–1.4 52.44N 131.83W 0 3.9,3.8b **¶601864418**
PGC X 30 17 33 28.1–.35 52.33N 132.36W 0–85 3.9,3.8b
ISCJB X 30 17 33 29.8–.45 52.47N–.05 132.5W–.10 18 4.2b,3.8b
NEIC X 30 17 33 29.3–.63 52.41N 132.69W 10 4.1b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=7.2km az=52.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 108km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=3.5km az=146.2.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=4.8km az=57.0.
ISC X 30 21 06 13.3–1.4 52.6N–.10 132.0W–.10 10 3.3s 10 1-76
ISCJB X 30 21 06 12.9–1.0 52.7N–.10 132.0W–.20 10 3.4b,3.2s **¶602000535**
IDC X 30 21 06 12.4–1.6 52.64N 132.12W 0 3.7,3.5L
PGC X 30 21 06 13.2 52.67N 132.10W 28 3.7,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=6.7km az=42.0.
IDC Error ellipse: s-maj=21.6km s-min=5.8km az=46.0.
PGC Event type ke. 67km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC X 30 21 49 31.0–2.2 52.43N 131.83W 0 3.5,3.3
¶602000539
IDC Error ellipse: s-maj=36.8km s-min=7.4km az=44.0.
ISC X 31 01 49 33.1–1.5 53.0N–.10 133.0W–.10 10 7 0-57
PGC X 31 01 49 15.5 51.99N 133.14W 1 **¶602000557**
ISCJB X 31 01 49 31.1–1.3 53.01N–.10 133.1W–.20 10 3.4b
IDC X 31 01 49 31.1–1.7 52.90N 133.12W 0 3.6L,3.5
ISC Event type ke.
PGC Event type ke. 165km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=13.0km az=154.7.
IDC Error ellipse: s-maj=17.1km s-min=10.1km az=118.0.
ISC X 31 04 48 39.4–1.2 52.46N–.04 132.42W–.03 7–6 4.6b,3.6s 528 0-151
PGC X 31 04 48 38.1–.56 52.37N 132.55W 10 4.7W,4.4L **¶601867312**
NEIC X 31 04 48 38.1–.00 52.37N 132.55W 10 4.7W,4.5b
IDC X 31 04 48 38.5–.58 52.45N 132.34W 0 4.2,4.2b
ISCJB X 31 04 48 39.3–.19 52.56N–.02 132.16W–.04 10 4.5b,3.7s
MOS X 31 04 48 40.7–1.1 52.65N 132.06W 19 4.7b,3.7s
ISC Event type ke.
PGC Event type ke. 110km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$1.20000×10^{16}
IDC Error ellipse: s-maj=13.3km s-min=6.5km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=1.9km az=150.1.
MOS Error ellipse: s-maj=14.7km s-min=5.2km az=114.0.
ISC X 31 05 00 50.1–1.3 52.3N–.10 131.7W–.20 10 9 1-57
ISCJB X 31 05 00 47.7–1.3 52.2N–.10 132.0W–.30 10 3.6b **¶602000577**
IDC X 31 05 00 48.4–1.4 52.27N 131.75W 0 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.0km s-min=8.0km az=151.0.
IDC Error ellipse: s-maj=18.1km s-min=6.8km az=43.0.
ISC X 31 05 06 20.6–1.6 52.68N–.09 132.8W–.20 10 8 1-32
ISCJB X 31 05 06 17.7–3.2 52.67N–.07 133.1W–.60 10 3.5b **¶602000579**
IDC X 31 05 06 19.2–2.2 52.68N 132.87W 0 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=54.0km s-min=9.1km az=176.0.
IDC Error ellipse: s-maj=41.4km s-min=9.8km az=97.0.
ISC X 31 05 09 28.8–1.2 52.51N–.09 133.0W–.10 10 3.6b 11 1-77
ISCJB X 31 05 09 26.2–1.0 52.51N–.07 133.1W–.10 10 3.4b,3.1s **¶602000581**
IDC X 31 05 09 26.8–1.3 52.53N 133.09W 0 3.7,3.5
PGC X 31 05 09 29.0–.31 52.52N 132.58W 0–70 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=9.3km az=147.2.
IDC Error ellipse: s-maj=17.0km s-min=9.5km az=98.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 96km southwest of Sandspit, Bc Haida Gwaii Region.
ISC X 31 05 16 42.8–1.0 52.16N–.06 131.99W–.08 18 3.5b 29 0-77
ISCJB X 31 05 16 41.0–.74 52.13N–.04 132.1W–.10 18 3.4b **¶602000582**
IDC X 31 05 16 41.7–1.5 52.26N 131.86W 0 3.7,3.6L
PGC X 31 05 16 43.1–54 52.23N 132.19W 12–14 3.4L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.6km az=150.4.
IDC Error ellipse: s-maj=20.2km s-min=7.5km az=40.0.
PGC Event type ke. Error ellipse: s-maj=5.6km s-min=0.7km az=-1.0. 116km Ssw of Sandspit, Bc Queen Charlotte Islands Region.

IDC X 31 05 17 42.8–2.4 52.71N 132.90W 0 3.7,3.4
¶602000583
IDC Error ellipse: s-maj=42.9km s-min=10.2km az=100.0.
ISC X 31 07 08 37.0–1.7 52.4N–.10 132.4W–.20 18 8 1-57
PGC X 31 07 08 33.4 52.30N 132.45W 18 **¶602000590**
IDC X 31 07 08 35.0–1.9 52.39N 132.37W 0 3.8,3.7L
ISC Event type ke.
PGC Event type ke. 113km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=21.4km s-min=7.6km az=58.0.
ISC X 31 09 15 46.9–1.1 52.60N–.05 131.88W–.05 8–6 43 0-58
ISCJB X 31 09 15 45.5–.73 52.53N–.04 131.88W–.08 13–3 3.2s,3.1b **¶602000598**
PGC X 31 09 15 46.8–.31 52.56N 131.92W 10 3.9L,3.1b
IDC X 31 09 15 47.2–1.3 52.66N 131.76W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.4km az=142.8.
PGC Event type ke. 77km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=21.3km s-min=5.4km az=37.0.
PGC X 31 12 17 10.8–.99 52.04N 132.16W 10 3.5L
¶603776519
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 136km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC X 31 14 41 42.9–1.2 52.6N–.10 132.3W–.10 18 3.5b 13 1-77
PGC X 31 14 41 38.7–27 52.33N 132.38W 18–309 3.5b **¶603776528**
IDC X 31 14 41 39.5–1.2 52.46N 132.77W 0 3.8,3.6L
ISCJB X 31 14 41 41.0–.95 52.50N–.08 132.4W–.20 18 3.5b,3.3s
ISC Event type ke.
PGC Event type ke. 108km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC X 31 16 25 30.1–.65 52.81N–.05 132.90W–.06 18 4.0b,3.2s 87 0-96
IDC X 31 16 25 26.5–.82 52.63N 132.92W 0 4.1,3.9b **¶601869322**
PGC X 31 16 25 27.2–.75 52.65N 132.97W 10 4.0L,3.9b
NEIC X 31 16 25 27.0–.00 52.65N 132.97W 10 4.0L,3.9b
ISCJB X 31 16 25 28.2–.30 52.77N–.02 133.02W–.05 18 3.9b,3.3s
ISC Event type ke.
PGC Event type ke. 102km Wsw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISCJB Event type ke.
IDC XI 01 00 08 58.6–2.2 52.23N 131.31W 0 3.7,3.4
¶602388646
IDC Error ellipse: s-maj=33.0km s-min=15.2km az=41.0.
ISC XI 01 02 31 51.0–1.4 52.4N–.10 131.8W–.20 10 3.5s 10 1-63
PGC XI 01 02 31 48.6 52.27N 132.41W 21 3.5s **¶602388654**
IDC XI 01 02 31 49.5–1.8 52.37N 132.07W 0 3.9,3.6L
ISCJB XI 01 02 31 50.1–1.0 52.5N–.10 131.9W–.20 10 3.5s,3.4b
ISC Event type ke.
PGC Event type ke. 116km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC XI 01 03 14 32.7–1.5 52.5N–.10 132.5W–.10 10 9 1-31
IDC XI 01 03 14 33.1–2.6 52.58N 132.40W 0 3.7,3.5b **¶602388657**
ISCJB XI 01 03 14 34.0–1.2 52.6N–.10 132.2W–.20 10 3.5b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 01 03 16 00.2–.48 52.44N–.03 131.94W–.04 12–2 5.0b,4.9s 1036 0-163
PGC XI 01 03 15 56.6–3.6 52.29N 132.27W 25–0 5.2W,5.0b **¶601867047**
IDC XI 01 03 15 57.8–.44 52.40N 132.14W 0 4.6,4.6
BJI XI 01 03 15 57.6 52.60N 131.90W 10 5.5b,5.1s
MOS XI 01 03 15 59.2–1.1 52.49N 132.00W 16 5.3b,4.7s
ISCJB XI 01 03 16 00.5–.37 52.55N–.02 131.89W–.03 26–2 5.0b,4.8s
NEIC XI 01 03 16 01.5–.65 52.55N 132.02W 20–4 5.2W,5.0b
GCMT XI 01 03 16 04.5–.10 52.32N–.01 132.18W–.02 12 5.3W,5.0b
ISC Event type fe.
PGC Event type ke. 110km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe.
NEIC Event type fe. Felt at Queen Charlotte and Skidegate. Moment Tensor Solution. $M_0$8.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c89; s131,c237;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21±.01 $M_{\theta\theta}$0.68±.02; $M_{\phi\phi}$0.53±.01; $M_{r\theta}$0.09±.04; $M_{\theta\phi}$-0.55±.01; $M_{\theta r}$-0.18±.05; Best double couple: NP1:ϕ315.00000°,δ50.00000°,λ-85.00000°. NP2:ϕ128.00000°,δ41.00000°,λ-95.00000°. Principal axes: T 1.1800,Plg5.0000° ,Azm42.0000°; N 0.0540,Plg3.0000°,Azm132.0000°; P -1.2300,Plg84.0000°,Azm259.0000° $M_0$1.20500×10^{17}
ISC XI 01 03 23 38.3–1.6 52.5N–.20 131.8W–.10 10 9 1-31
PGC XI 01 03 23 36.2 52.28N 132.37W 17 **¶602388658**
IDC XI 01 03 23 36.6–2.5 52.36N 132.04W 0 4.0,3.6
ISCJB XI 01 03 23 37.6–1.4 52.5N–.10 131.8W–.20 10 3.2b,3.6
ISC Event type ke.
PGC Event type ke. 113km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC XI 01 03 27 14.0–.86 52.37N–.04 132.10W–.04 17–4 4.5b 408 0-151
PGC XI 01 03 27 10.6–1.1 52.24N 132.25W 20–0 4.6W,4.4L **¶601867320**
IDC XI 01 03 27 11.2–.59 52.34N 132.32W 0 4.5,4.3
NEIC XI 01 03 27 13.4–.78 52.42N 132.19W 11–4 4.6W,4.4b
ISCJB XI 01 03 27 14.3–.46 52.45N–.02 131.97W–.05 29–3 4.4b,3.6s
ISC Event type ke.
PGC Event type ke. 115km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Moment Tensor Solution.
ISCJB Event type ke.
ISC XI 01 03 31 23.7–1.5 52.5N–.10 132.2W–.10 10 9 1-57
ISCJB XI 01 03 31 22.7–1.2 52.49N–.10 132.2W–.20 10 3.4b **¶602388659**
IDC XI 01 03 31 22.7–1.9 52.47N 132.17W 0 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=7.3km az=137.2.
IDC Error ellipse: s-maj=27.9km s-min=7.2km az=56.0.
ISC XI 01 03 44 30.7–1.7 52.5N–.20 132.2W–.20 18 8 1-31
ISCJB XI 01 03 44 28.9–1.8 52.5N–.10 132.3W–.40 18 3.5b **¶602388660**
IDC XI 01 03 44 28.4–2.5 52.48N 132.22W 0 3.7,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.0km s-min=9.0km az=151.2.
IDC Error ellipse: s-maj=44.6km s-min=7.8km az=62.0.
ISC XI 01 06 24 40.5–.89 52.5N–.10 132.04W–.09 18 4.0b,3.1s 18 1-88
PGC XI 01 06 24 28.8–68 51.63N 132.45W 24–94 4.0b,3.1s **¶602388665**
IDC XI 01 06 24 38.3–.94 52.36N 132.31W 0 4.1,3.9
ISCJB XI 01 06 24 40.0–.71 52.45N–.08 132.1W–.10 18 3.8b,3.2s
ISC Event type ke.
PGC Event type ke. 185km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC XI 01 06 26 50.6–1.3 52.3N–.10 132.3W–.10 18 4.1b 11 1-88
IDC XI 01 06 26 48.1–1.6 52.31N 132.32W 0 4.0,3.9b **¶602388666**
ISCJB XI 01 06 26 49.1–1.4 52.3N–.10 132.4W–.30 18 3.8b,3.9b
PGC XI 01 06 26 49.9 52.39N 132.38W 13 3.8b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=8.5km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=30.9km s-min=8.5km az=154.0.
PGC Event type ke. 103km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC XI 01 17 34 44.9–1.7 52.81N–.05 132.69W–.06 5–10 4.0b,3.4s 55 0-151
ISCJB XI 01 17 34 43.6–.95 52.77N–.03 132.69W–.08 8–5 3.9b,3.3s **¶601869324**
IDC XI 01 17 34 44.0–.78 52.74N 132.66W 0 4.1,3.9
PGC XI 01 17 34 45.2–.84 52.86N 132.83W 26–0 4.4W,4.3L
NEIC XI 01 17 34 45.9–.77 52.80N 132.57W 10 4.4W,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=151.7.
IDC Error ellipse: s-maj=11.7km s-min=6.7km az=85.0.
PGC Event type ke. 80km Wsw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.4km az=45.0.
ISC XI 01 18 50 28.2–1.1 52.8N–.10 132.0W–.10 10 3.9b 14 1-87
IDC XI 01 18 50 27.0–1.1 52.78N 131.99W 0 4.0,3.9 **¶602388687**
ISCJB XI 01 18 50 27.2–.80 52.84N–.07 132.0W–.10 10 3.8b,3.0s
PGC XI 01 18 50 27.5–.15 52.70N 132.27W 24–0 3.8b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=5.3km az=40.0.

ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.5km az=40.9.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 68km southwest of Sandspit, Bc Haida Gwaii Region.
ISC XI 01 19 27 58.5–1.8 52.5N–.10 132.2W–.20 10 8 1-56
ISCJB XI 01 19 27 57.1–1.5 52.5N–.10 132.3W–.20 10 3.4b,3.3s ¶602388689
IDC XI 01 19 27 57.3–1.7 52.48N 132.25W 0 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=7.8km az=43.0.
IDC Error ellipse: s-maj=20.7km s-min=7.3km az=48.0.
ISC XI 02 02 54 55.4–.68 51.66N–.05 130.91W–.04 10 3.5b 95 1-78
ISCJB XI 02 02 54 55.4–.35 51.73N–.03 130.73W–.05 10 3.3b ¶601869325
NEIC XI 02 02 54 55.0–.00 51.67N 130.86W 5 4.3W,4.0b
IDC XI 02 02 54 55.7–1.1 51.73N 130.83W 0 3.9,3.8L
PGC XI 02 02 54 56.1–.81 51.72N 130.83W 20 4.3W,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.5km az=137.1.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$3.10000×10^{15}
IDC Error ellipse: s-maj=13.3km s-min=6.5km az=20.0.
PGC Event type ke. 183km Sse of Sandspit, Bc Haida Gwaii Region.
ISC XI 02 04 12 55.7–1.2 52.8N–.20 131.6W–.20 10 7 1-80
IDC XI 02 04 12 55.2–1.5 52.73N 131.70W 0 3.6,3.6b ¶602388700
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=5.9km az=34.0.
ISC XI 02 07 15 44.2–1.1 52.39N–.04 131.91W–.04 13–6 4.3b,3.5s 382 0-151
NEIC XI 02 07 15 40.5–.00 52.19N 131.94W 6 4.5W,4.2b ¶601869830
PGC XI 02 07 15 41.1–3.2 52.24N 131.90W 19–0 4.8L,4.5W
IDC XI 02 07 15 41.5–.62 52.32N 131.96W 0 4.4,4.2
ISCJB XI 02 07 15 43.0–.57 52.48N–.02 131.78W–.04 11–4 4.3b,3.6s
MOS XI 02 07 15 43.1–.87 52.49N 131.91W 17 4.6b,3.6s
ISC Event type fe.
NEIC Event type fe. Felt at Queen Charlotte and Sandspit. After OTT. Moment Tensor Solution. $M_0$6.30000×10^{15}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 112km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=11.4km s-min=6.0km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=1.9km az=144.0.
MOS Error ellipse: s-maj=12.8km s-min=5.2km az=116.1.
ISC XI 02 08 15 13.5–1.1 52.27N–.06 132.17W–.07 18 25 0-58
ISCJB XI 02 08 15 09.9–1.1 52.17N–.06 132.3W–.10 18 3.2b ¶602388709
PGC XI 02 08 15 11.7–10 52.24N 132.28W 24–1 3.8L
IDC XI 02 08 15 13.0–1.7 52.40N 132.02W 0 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.6km az=146.9.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=20.3km s-min=6.7km az=47.0.
ISC XI 02 08 19 59.5–.31 52.28N–.04 132.03W–.04 18 4.7b,4.0s 710 0-151
NEIC XI 02 08 19 54.8–.00 52.13N 132.34W 16 5.0W,4.5b ¶601867858
PGC XI 02 08 19 55.6–.87 52.18N 132.31W 20 5.0W,4.6L
IDC XI 02 08 19 56.7–.42 52.31N 132.13W 0 4.6,4.5
MOS XI 02 08 19 57.4–.80 52.35N 132.11W 14 5.0b,4.5
ISCJB XI 02 08 19 58.2–.14 52.39N–.02 131.96W–.04 18 4.7b,3.9s
GCMT XI 02 08 20 04.8–.20 52.26N–.02 132.02W–.03 12 5.0W,3.9s
ISC Event type ke.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$3.60000×10^{16}
PGC Event type ke. 123km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s104,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.07 $M_{\theta\theta}$1.82±.08; $M_{\phi\phi}$1.42±.07; $M_{r\theta}$1.31±.28; $M_{\theta\phi}$-1.35±.06; $M_{\phi r}$-1.60±.34; Best double couple: NP1:ϕ_s316.00000°,δ62.00000°,λ-85.00000°. NP2:ϕ_s126.00000°,δ29.00000°,λ-98.00000°. Principal axes: T 3.5940,Plg17.0000° ,Azm43.0000°; N 0.2800,Plg4.0000°,Azm134.0000°; P -3.8850,Plg73.0000°,Azm237.0000° $M_0$3.74000×10^{16}
ISC XI 02 08 35 27.9–2.2 52.5N–.20 132.5W–.30 18 6 1-57
IDC XI 02 08 35 26.5–2.9 52.33N 132.47W 0 3.7,3.6L ¶602388711
ISCJB XI 02 08 35 27.2–2.2 52.4N–.10 132.5W–.40 18 3.2b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 02 08 35 48.8–1.3 52.4N–.10 131.9W–.20 10 9 1-31
IDC XI 02 08 35 46.7–1.5 52.29N 132.25W 0 4.1,3.8 ¶602388714
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=14.1km az=39.0.
ISC XI 02 08 37 10.7–.58 52.30N–.05 131.98W–.06 18 4.2b 150 0-91
IDC XI 02 08 37 07.0–.94 52.29N 132.35W 0 4.3,4.1b ¶601868135
PGC XI 02 08 37 07.4–3.3 52.26N 132.33W 20 4.8W,4.2L
ISCJB XI 02 08 37 09.4–.27 52.30N–.03 132.13W–.06 18 4.2b,4.0s
NEIC XI 02 08 37 10.4–.35 52.22N 132.22W 10 4.8W,4.0b
GCMT XI 02 08 37 15.4–.30 52.18N–.03 131.96W–.07 18–1 4.9W,4.0b
ISC Event type ke.
PGC Event type ke. 115km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$1.70000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s82,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.30±.23 $M_{\theta\theta}$2.22±.15; $M_{\phi\phi}$1.08±.12; $M_{r\theta}$0.24±.35; $M_{\theta\phi}$-0.63±.08; $M_{\phi r}$-1.18±.44; Best double couple: NP1:ϕ_s309.00000°,δ53.00000°,λ-75.00000°. NP2:ϕ_s104.00000°,δ39.00000°,λ-109.00000°. Principal axes: T 2.5880,Plg7.0000° ,Azm28.0000°; N 1.0110,Plg12.0000°,Azm120.0000°; P -3.5990,Plg76.0000°,Azm267.0000° $M_0$3.09300×10^{16}
ISC XI 02 09 05 54.8–1.5 52.4N–.10 132.1W–.20 18 8 1-57
IDC XI 02 09 05 52.5–1.8 52.39N 132.22W 0 3.9,3.7b ¶602388715
ISCJB XI 02 09 05 53.6–1.7 52.5N–.10 132.2W–.30 18 3.6b,3.7b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 03 02 23 12.5–6.2 52.13N 132.62W 0 3.7,3.6 ¶602388751
IDC Error ellipse: s-maj=137.2km s-min=12.8km az=77.0.
ISC XI 03 04 23 05.6–1.1 52.4N–.10 131.9W–.10 10 3.9b 11 1-77
IDC XI 03 04 23 03.8–1.2 52.37N 132.09W 0 4.0,3.8 ¶602388754
ISCJB XI 03 04 23 04.8–.88 52.5N–.10 131.9W–.10 10 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 03 04 25 19.7–1.0 52.44N–.06 132.03W–.05 27–6 4.5b,3.6s 402 0-147
IDC XI 03 04 25 15.7–.62 52.34N 132.19W 0 4.4,4.3 ¶601869351
PGC XI 03 04 25 16.4–4.4 52.35N 132.27W 31–0 4.5W,4.4b
MOS XI 03 04 25 16.7–.93 52.51N 132.03W 16 4.7b,4.4b
ISCJB XI 03 04 25 18.6–.45 52.53N–.02 131.99W–.04 28–3 4.5b,3.6s
NEIC XI 03 04 25 19.8–.70 52.52N 132.02W 23–5 4.5W,4.4b
GCMT XI 03 04 25 20.8–.40 52.28N–.04 132.25W–.05 13–1 4.7W,4.4b
ISC Event type ke.
PGC Event type ke. 105km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$8.10000×10^{15}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c13; s69,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.14 $M_{\theta\theta}$0.20±.08; $M_{\phi\phi}$1.27±.09; $M_{r\theta}$0.34±.23; $M_{\theta\phi}$-0.59±.05; $M_{\phi r}$-0.42±.20; Best double couple: NP1:ϕ_s331.00000°,δ55.00000°,λ-96.00000°. NP2:ϕ_s161.00000°,δ36.00000°,λ-81.00000°. Principal axes: T 1.6220,Plg10.0000° ,Azm65.0000°; N -0.0560,Plg5.0000°,Azm334.0000°; P -1.5600,Plg79.0000°,Azm217.0000° $M_0$1.59100×10^{16}
ISC XI 03 09 48 23.8–1.4 52.61N–.05 132.36W–.05 16–9 4.2b,3.3s 210 0-84
IDC XI 03 09 48 21.1–.65 52.50N 132.63W 0 4.1,4.1b ¶601870060
PGC XI 03 09 48 22.5–4.6 52.56N 132.41W 30–0 4.0b,3.9L
NEIC XI 03 09 48 23.5–.33 52.53N 132.65W 10 4.0b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=10.9km s-min=7.0km az=78.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 86km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.9km az=50.0.
ISC XI 03 12 18 42.2–1.7 52.38N–.06 132.43W–.05 7–10 4.2b,3.9s 227 0-92
ISCJB XI 03 12 18 40.5–.88 52.38N–.02 132.64W–.05 6–6 4.1b,4.0s ¶601869848
PGC XI 03 12 18 42.5–5.3 52.40N 132.39W 26–0 4.6W,4.2L
NEIC XI 03 12 18 42.5–.25 52.32N 132.79W 10 4.6W,4.0b
IDC XI 03 12 18 42.9–.96 52.45N 132.15W 0 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=2.5km az=146.5.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 102km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.3km az=56.0. Moment Tensor Solution. $M_0$9.20000×10^{15}
IDC Error ellipse: s-maj=14.4km s-min=6.5km az=51.0.
ISC XI 03 15 09 08.1–2.1 52.7N–.20 132.2W–.30 10 7 1-57
IDC XI 03 15 09 05.7–2.3 52.55N 132.41W 0 3.6,3.4 ¶602388769
ISCJB XI 03 15 09 06.3–1.8 52.7N–.20 132.3W–.30 10 3.1b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC XI 03 15 16 14.9–2.9 52.47N 132.54W 0 3.6,3.4L ¶602388770
IDC Error ellipse: s-maj=51.5km s-min=22.3km az=71.0.
ISC XI 03 17 25 56.6–.79 52.49N–.07 132.29W–.08 18 4.1b 100 0-88
PGC XI 03 17 25 51.5–13 52.28N 132.72W 20 4.0b,3.7L ¶602031591
IDC XI 03 17 25 54.6–2.1 52.52N 132.08W 0 4.0b,3.9
ISCJB XI 03 17 25 55.1–.44 52.55N–.04 132.4W–.10 18 4.1b,3.6s
NEIC XI 03 17 25 56.0–.45 52.55N 132.36W 10 4.0b,3.6s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=0.7km az=-1.0. 123km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=48.4km s-min=10.9km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=3.5km az=154.1.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=3.3km az=61.0.
ISC XI 03 17 49 12.1–1.5 52.41N–.05 132.19W–.05 15–9 4.3b,3.7s 255 0-151
IDC XI 03 17 49 09.8–.87 52.40N 132.15W 0 4.2,4.1b ¶601869859
PGC XI 03 17 49 09.7–1.3 52.33N 132.37W 26–0 4.5W,4.2b
NEIC XI 03 17 49 11.7–.24 52.38N 132.33W 10 4.5W,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=6.7km az=63.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 109km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=2.2km az=53.0. Moment Tensor Solution. $M_0$6.10000×10^{15}
ISC XI 04 00 57 40.4–1.4 52.2N–.10 132.0W–.10 10 11 1-70
IDC XI 04 00 57 38.9–1.9 52.15N 132.20W 0 3.7b,3.6 ¶602388783
ISCJB XI 04 00 57 39.9–1.2 52.27N–.08 131.9W–.20 10 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 04 05 07 51.9–1.1 52.59N–.05 131.94W–.05 10–6 4.2b,3.4s 178 0-149
PGC XI 04 05 07 47.7–5.2 52.32N 131.95W 18–0 4.3L,4.3W ¶601874295
IDC XI 04 05 07 48.3–1.2 52.35N 132.38W 0 4.2,4.0b
ISCJB XI 04 05 07 51.3–.65 52.69N–.03 131.65W–.06 4–5 4.1b,3.4s
NEIC XI 04 05 07 54.3–.37 52.68N 131.67W 10 4.3W,4.0b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 104km south of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=24.6km s-min=7.7km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.3km az=153.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.4km az=58.0. Moment Tensor Solution. $M_0$3.00000×10^{15}
ISC XI 04 07 42 14.2–1.1 52.79N–.03 131.76W–.03 3–8 4.3b,3.6s 427 0-151
PGC XI 04 07 42 11.5–2.1 52.51N 131.98W 9–0 4.6L,4.1b ¶601870074
IDC XI 04 07 42 12.7–.86 52.67N 131.80W 0 4.2,4.0
NEIC XI 04 07 42 16.0–.27 52.76N 131.78W 10 4.5W,4.1b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 83km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=16.5km s-min=5.0km az=39.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=2.3km az=57.0. Moment Tensor Solution. $M_0$6.70000×10^{15}
ISC XI 04 08 51 40.5–.77 52.44N–.07 131.68W–.07 10 4.1b 104 1-88
IDC XI 04 08 51 38.2–1.5 52.26N 131.90W 0 4.2,4.0b ¶602051280
ISCJB XI 04 08 51 39.2–.33 52.45N–.04 131.75W–.10 10 4.0b,4.0b
NEIC XI 04 08 51 41.4–.30 52.51N 131.60W 10 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.7km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.0km az=146.5.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=2.7km az=58.0.
ISC XI 04 08 55 06.4–.59 52.39N–.06 131.92W–.06 18 4.1b,3.7s 169 1-151
IDC XI 04 08 55 02.7–.87 52.23N 132.18W 0 4.2,4.0b ¶601891429
ISCJB XI 04 08 55 05.1–.27 52.45N–.03 131.83W–.08 18 4.0b,3.6s
NEIC XI 04 08 55 06.1–.24 52.45N 131.79W 10 4.0b,3.6s
GCMT XI 04 08 55 11.1–.50 52.39N–.05 132.06W–.06 28–1 4.9W,3.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s69,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.64±.22 $M_{\theta\theta}$1.06±.14; $M_{\phi\phi}$1.58±.14; $M_{r\theta}$0.96±.22; $M_{\theta\phi}$-0.52±.07; $M_{\phi r}$0.31±.21; Best double couple: NP1:ϕ_s312.00000°,δ50.00000°,λ-109.00000°. NP2:ϕ_s160.00000°,δ43.00000°,λ-68.00000°. Principal axes: T 1.9180,Plg4.0000° ,Azm55.0000°; N 0.9980,Plg15.0000°,Azm324.0000°; P -2.9160,Plg75.0000°,Azm159.0000° $M_0$2.41700×10^{16}
ISC XI 04 09 01 08.8–1.3 52.34N–.10 132.4W–.20 18 3.8b 12 1-77
IDC XI 04 09 01 05.7–1.8 52.28N 132.60W 0 3.7,3.7b ¶601874300
ISCJB XI 04 09 01 07.3–1.2 52.33N–.07 132.4W–.20 18 3.5b,3.7b
ISC Event type ke.
ISCJB Event type ke.
PGC XI 04 09 14 17.4–7.1 52.77N 132.20W 25–0 4.0b,3.8L ¶607167742
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0. 59km southwest of Sandspit, Bc Haida Gwaii Region.
ISC XI 04 09 14 48.8–.72 52.31N–.09 131.32W–.09 10 4.1b,3.5s 168 1-89
IDC XI 04 09 14 42.9–3.9 52.68N 131.72W 0 4.3,4.0 ¶601890904
ISCJB XI 04 09 14 47.2–.33 52.27N–.04 131.43W–.08 10 4.1b,3.5s
NEIC XI 04 09 14 49.5–.37 52.35N 131.30W 10 4.0b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=29.2km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.7km az=144.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=3.5km az=52.0.
ISC XI 04 10 32 51.6–1.6 52.4N–.30 131.6W–.40 10 6 1-31
ISCJB XI 04 10 32 50.0–1.3 52.4N–.30 131.6W–.60 10 3.4b ¶602388799
IDC XI 04 10 32 50.1–2.4 52.44N 131.58W 0 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=67.4km s-min=8.9km az=137.7.
IDC Error ellipse: s-maj=136.9km s-min=9.6km az=51.0.
PGC XI 04 12 05 28.7–5.0 52.63N 132.97W 27–0 4.2L,3.6L
NEIC XI 04 12 05 12.0–.00 51.70N 132.73W 1 4.2L,3.6L ¶602031632
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0. 103km Wsw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT.
ISC XI 04 12 27 36.6–.53 52.30N–.04 132.04W–.04 20–1 5.0b,4.5s 1068 0-163
NEIC XI 04 12 27 32.0–.00 52.21N 132.56W 5 5.1W,4.9b ¶601870079
BJI XI 04 12 27 33.6 52.58N 132.55W 5 5.2b,5.0b
IDC XI 04 12 27 33.5–.46 52.26N 132.25W 0 4.7,4.7
MOS XI 04 12 27 34.9–1.0 52.24N 132.19W 17 5.2b,4.7s
ISCJB XI 04 12 27 36.5–.37 52.37N–.02 131.97W–.03 27–2 5.0b,4.4s
PGC XI 04 12 27 36.4–5.0 52.43N 131.81W 39–0 5.1W,4.6L
GCMT XI 04 12 27 41.0–.20 52.27N–.01 132.09W–.02 12 5.2W,4.6L
ISC Event type ke.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$5.80000×10^{16}
ISCJB Event type ke.
PGC Event type ke. 91km south of Sandspit, Bc Haida Gwaii Region.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c65; s114,c189;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.59±.11 $M_{\theta\theta}$3.55±.12; $M_{\phi\phi}$3.05±.12; $M_{r\theta}$3.01±.35; $M_{\theta\phi}$-3.10±.09; $M_{\phi r}$-1.93±.39; Best double couple: NP1:ϕ_s308.00000°,δ59.00000°,λ-95.00000°. NP2:ϕ_s137.00000°,δ31.00000°,λ-82.00000°. Principal axes: T 7.3060,Plg14.0000° ,Azm41.0000°; N 0.2340,Plg4.0000°,Azm310.0000°; P -7.5300,Plg75.0000°,Azm205.0000° $M_0$7.41800×10^{16}

ISC	**XI**	**04 12 36 23.1–.92**	**52.3N–.10**	**132.11W–.10**	**18**	**3.8b**	**16**	**1-88**	
IDC	XI	04 12 36 20.0–1.0	52.22N	132.60W	0	3.9,3.7			**¶602388804**
ISCJB	XI	04 12 36 21.5–.74	52.26N–.07	132.5W–.10	18	3.6b,3.7			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**04 12 37 42.4–.93**	**52.26N–.09**	**131.90W–.10**	**18**	**3.7b**	**18**	**1-88**	
IDC	XI	04 12 37 39.6–.98	52.24N	132.14W	0	4.0L,3.9			**¶602388805**
ISCJB	XI	04 12 37 41.4–.72	52.35N–.06	131.9W–.10	18	3.5b,3.9			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**04 13 17 10.3–.77**	**52.37N–.06**	**131.80W–.06**	**10**	**3.9b**	**55**	**0-88**	
PGC	XI	04 13 17 07.7–5.9	52.24N	132.25W	30–1	4.0b,3.8L			**¶602031633**
IDC	XI	04 13 17 07.2–1.8	52.28N	132.13W	0	3.9,3.8b			
ISCJB	XI	04 13 17 08.7–.45	52.40N–.04	131.77W–.08	10	3.9b,3.5s			
NEIC	XI	04 13 17 11.7–.48	52.45N	131.70W	10	4.0b,3.5s			
ISC		Event type ke.							
PGC		Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.							
IDC		Error ellipse: s-maj=32.6km s-min=8.1km az=62.0.							
ISCJB		Event type ke. Error ellipse: s-maj=9.3km s-min=2.9km az=139.4.							
NEIC		Event type se. Error ellipse: s-maj=14.2km s-min=3.8km az=55.0.							
ISC	**XI**	**04 14 40 31.6–1.2**	**52.4N–.10**	**131.9W–.10**	**10**		**12**	**1-77**	
ISCJB	XI	04 14 40 30.8–.95	52.40N–.07	132.0W–.10	10	3.5b,3.3s			**¶602388807**
IDC	XI	04 14 40 30.5–1.7	52.39N	132.08W	0	3.8,3.5			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=14.0km s-min=6.8km az=140.4.							
IDC		Error ellipse: s-maj=28.4km s-min=7.8km az=57.0.							
ISC	**XI**	**04 18 25 57.8–4.1**	**52.52N–.10**	**133.2W–.40**	**10**		**6**	**1-32**	
IDC	XI	04 18 25 58.5–3.3	52.49N	132.97W	0	3.9,3.7L			**¶602388814**
ISC		Event type ke.							
IDC		Error ellipse: s-maj=43.7km s-min=9.3km az=89.0.							
ISC	**XI**	**04 18 27 17.7–.69**	**52.54N–.04**	**132.38W–.04**	**14–3**	**4.6b,4.2s**	**361**	**0-152**	
IDC	XI	04 18 27 14.8–.50	52.45N	132.61W	0	4.3,4.2			**¶601874304**
BJI	XI	04 18 27 14.4	52.50N	132.30W	10	5.0b,4.9s			
PGC	XI	04 18 27 16.9–.18	52.46N	132.42W	9–4	4.8W,4.6b			
MOS	XI	04 18 27 16.4–1.0	52.54N	132.38W	18	4.9b,4.6b			
NEIC	XI	04 18 27 17.1–.28	52.53N	132.42W	10	4.8W,4.6b			
ISCJB	XI	04 18 27 17.7–.51	52.57N–.02	132.25W–.05	23–3	4.5b,4.1s			
GCMT	XI	04 18 27 19.1–.30	52.70N–.03	132.73W–.03	13–1	4.8W,4.1s			
ISC		Event type ke.							
PGC		Event type ke. 96km southwest of Sandspit, Bc Haida Gwaii Region.							
NEIC		Event type se. Moment Tensor Solution. $M_0$1.80000×10^{16}							
ISCJB		Event type ke.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s90,c130;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.14 $M_{\theta\theta}$0.10±.08; $M_{\phi\phi}$1.90±.10; $M_{r\theta}$1.37±.31; $M_{\theta\phi}$-0.34±.05; $M_{\phi r}$0.19±.19; Best double couple: NP1:ϕ_s325.00000°,δ52.00000°,λ-125.00000°. NP2:ϕ_s193.00000°,δ50.00000°,λ-54.00000°. Principal axes: T 1.9630,Plg1.0000° ,Azm79.0000°; N 0.7380,Plg27.0000°,Azm348.0000°; P -2.6970,Plg63.0000°,Azm171.0000° $M_0$2.33000×10^{16}								
ISC	**XI**	**04 19 19 22.2–1.2**	**52.6N–.20**	**131.7W–.10**	**10**		**8**	**1-94**	
IDC	XI	04 19 19 20.7–1.6	52.42N	131.78W	0	3.8,3.7b			**¶602388820**
ISCJB	XI	04 19 19 21.0–1.1	52.5N–.10	131.7W–.20	10	3.5b,3.4s			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**04 20 04 58.0–.92**	**52.30N–.09**	**132.0W–.10**	**18**	**4.0b**	**17**	**1-88**	
IDC	XI	04 20 04 55.7–1.0	52.32N	132.01W	0	4.0,3.9b			**¶602388825**
ISCJB	XI	04 20 04 57.1–.71	52.34N–.06	131.9W–.10	18	3.8b,3.9b			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**05 08 13 12.0–.76**	**52.7N–.10**	**131.79W–.09**	**10**	**4.0b,3.5s**	**19**	**1-77**	
PGC	XI	05 08 12 51.8	51.52N	130.90W	1	4.0b,3.5s			**¶602388848**
IDC	XI	05 08 13 09.5–.94	52.43N	132.06W	0	4.2,4.0L			
ISCJB	XI	05 08 13 10.5–.59	52.57N–.07	132.0W–.10	10	3.9b,3.5s			
ISC		Event type ke.							
PGC		Event type ke. 202km Sse of Sandspit, Bc Haida Gwaii Region.							
ISCJB		Event type ke.							
ISC	**XI**	**05 12 40 18.3–1.4**	**52.4N–.20**	**131.2W–.10**	**10**		**9**	**1-58**	
ISCJB	XI	05 12 40 16.7–1.1	52.5N–.10	131.3W–.10	10	3.2b			**¶602388864**
IDC	XI	05 12 40 16.5–1.5	52.30N	131.39W	0	3.9,3.6			
PGC	XI	05 12 40 16.8	52.18N	131.66W	20	3.9,3.6			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=22.5km s-min=7.2km az=31.0.							
IDC		Error ellipse: s-maj=19.7km s-min=6.0km az=32.0.							
PGC		Event type ke. 119km south of Sandspit, Bc Haida Gwaii Region.							
ISC	**XI**	**05 14 08 35.4–.84**	**52.38N–.08**	**131.96W–.09**	**18**	**3.9b,3.4s**	**19**	**1-151**	
PGC	XI	05 14 08 32.9	52.26N	132.32W	25	3.9b,3.4s			**¶602388867**
IDC	XI	05 14 08 32.3–1.1	52.28N	132.12W	0	4.0,3.9b			
ISCJB	XI	05 14 08 34.6–.71	52.37N–.06	131.9W–.10	18	3.8b,3.3s			
ISC		Event type ke.							
PGC		Event type ke. 115km Ssw of Sandspit, Bc Haida Gwaii Region.							
ISCJB		Event type ke.							
ISC	**XI**	**05 16 45 35.0–1.1**	**52.5N–.20**	**131.7W–.10**	**10**	**3.8b**	**13**	**1-77**	
ISCJB	XI	05 16 45 33.5–.83	52.36N–.10	131.7W–.10	10	3.7b			**¶602388878**
IDC	XI	05 16 45 33.2–1.1	52.31N	131.79W	0	3.9,3.7			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=17.2km s-min=6.9km az=37.9.							
IDC		Error ellipse: s-maj=16.5km s-min=6.4km az=38.0.							
ISC	**XI**	**06 10 27 02.1–.78**	**52.28N–.04**	**131.37W–.03**	**9–4**	**4.7b,4.1s**	**675**	**0-163**	
PGC	XI	06 10 26 59.0–16	52.17N	131.54W	15–2	4.8L,4.7W			**¶601875241**
ISCJB	XI	06 10 27 00.5–.12	52.32N–.02	131.27W–.03	10	4.6b,4.0s			
IDC	XI	06 10 27 01.5–.56	52.44N	131.31W	0	4.3,4.2			
MOS	XI	06 10 27 02.2–1.2	52.29N	131.35W	24	4.9b,4.2			
NEIC	XI	06 10 27 02.2–.57	52.31N	131.30W	8–4	4.7W,4.6b			
GCMT	XI	06 10 27 05.2–.30	52.17N–.02	131.69W–.02	12	4.8W,4.6b			
ISC		Event type ke.							
PGC		Event type ke. 122km Sse of Sandspit, Bc Haida Gwaii Region.							
ISCJB		Event type ke.							
NEIC		Event type se. Moment Tensor Solution.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s89,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.09 $M_{\theta\theta}$-1.85±.08; $M_{\phi\phi}$2.11±.06; $M_{r\theta}$0.61±.22; $M_{\theta\phi}$-0.97±.07; $M_{\phi r}$0.31±.20; Best double couple: NP1:ϕ_s211.00000°,δ80.00000°,λ-16.00000°. NP2:ϕ_s303.00000°,δ75.00000°,λ-170.00000°. Principal axes: T 2.3460,Plg4.0000° ,Azm257.0000°; N -0.0490,Plg71.0000°,Azm359.0000°; P -2.2940,Plg18.0000° ,Azm166.0000° $M_0$2.32000×10^{16}								
ISC	**XI**	**06 10 43 02.1–1.2**	**52.4N–.20**	**131.6W–.10**	**10**		**9**	**1-57**	
ISCJB	XI	06 10 43 00.6–.96	52.4N–.10	131.6W–.10	10	3.6b			**¶602388908**
IDC	XI	06 10 43 00.4–1.5	52.23N	131.70W	0	3.9,3.6b			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=18.9km s-min=7.5km az=38.9.							
IDC		Error ellipse: s-maj=24.4km s-min=7.6km az=51.0.							
ISC	**XI**	**06 15 47 15.1–.75**	**52.72N–.05**	**132.54W–.07**	**18**	**4.0b**	**40**	**0-88**	
PGC	XI	06 15 47 10.5–11	52.54N	133.02W	20–1	4.1W,4.0b			**¶601875531**
ISCJB	XI	06 15 47 12.7–.62	52.60N–.04	132.7W–.10	18	4.0b,4.0s			
IDC	XI	06 15 47 13.1–.93	52.75N	133.12W	0	4.1,3.9b			
ISC		Event type ke.							
PGC		Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. 113km Wsw of Sandspit, Bc Haida Gwaii Region.							
ISCJB		Event type ke. Error ellipse: s-maj=10.0km s-min=5.1km az=165.5.							
IDC		Error ellipse: s-maj=10.6km s-min=8.3km az=109.0.							
ISC	**XI**	**06 15 47 58.2–1.3**	**52.8N–.10**	**132.8W–.10**	**18**	**4.3b**	**19**	**0-78**	
IDC	XI	06 15 47 54.5–1.4	52.70N	132.99W	0	4.3,4.2L			**¶602388919**
ISCJB	XI	06 15 47 55.9–1.1	52.75N–.08	133.0W–.10	18	4.3b,3.1s			
NEIC	XI	06 15 47 56.7–1.2	52.68N	132.90W	10	4.3b,4.1W			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=43.8km s-min=10.6km az=116.0.							
ISCJB		Event type ke. Error ellipse: s-maj=15.3km s-min=8.3km az=136.0.							
NEIC		Event type se. Error ellipse: s-maj=21.6km s-min=11.0km az=52.0. Moment Tensor Solution. $M_0$2.00000×10^{15}							
ISC	**XI**	**06 19 03 50.6–1.1**	**52.22N–.09**	**132.0W–.10**	**10**	**3.7b,3.3s**	**15**	**1-151**	
ISCJB	XI	06 19 03 50.0–.83	52.30N–.06	131.9W–.10	10	3.7b,3.3s			**¶602054264**
IDC	XI	06 19 03 49.4–1.4	52.21N	132.18W	0	3.8b,3.7			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=12.5km s-min=6.3km az=142.0.							
IDC		Error ellipse: s-maj=25.7km s-min=8.4km az=64.0.							
ISC	**XI**	**06 21 57 46.5–1.0**	**52.98N–.10**	**131.52W–.08**	**10**		**9**	**1-57**	
IDC	XI	06 21 57 46.3–1.6	52.51N	131.72W	0	3.8,3.7b			**¶602388926**
ISC		Event type ke.							
IDC		Error ellipse: s-maj=33.0km s-min=7.4km az=47.0.							
ISC	**XI**	**06 22 58 43.6–1.4**	**52.9N–.10**	**132.1W–.20**	**10**		**10**	**0-76**	
IDC	XI	06 22 58 41.5–1.6	52.77N	132.32W	0	3.6b,3.6			**¶602388929**
ISCJB	XI	06 22 58 42.9–1.0	53.0N–.10	132.1W–.20	10	3.5b,3.6			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**07 00 54 43.8–1.4**	**52.4N–.10**	**132.0W–.10**	**10**		**10**	**1-58**	
ISCJB	XI	07 00 54 43.4–1.1	52.47N–.07	131.9W–.10	10	3.0b			**¶602388935**
IDC	XI	07 00 54 43.1–1.6	52.42N	131.95W	0	3.9,3.5			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=14.9km s-min=6.8km az=142.9.							
IDC		Error ellipse: s-maj=20.1km s-min=6.3km az=45.0.							
ISC	**XI**	**07 02 52 03.8–1.9**	**52.9N–.10**	**132.2W–.20**	**10**		**8**	**0-58**	
ISCJB	XI	07 02 52 02.0–1.8	52.8N–.10	132.4W–.20	10	3.6s,3.1b			**¶602388940**
IDC	XI	07 02 52 02.5–2.1	52.78N	132.33W	0	3.7,3.5L			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=26.3km s-min=8.1km az=139.8.							
IDC		Error ellipse: s-maj=30.4km s-min=6.3km az=56.0.							
ISC	**XI**	**07 05 26 35.5–1.0**	**52.85N–.09**	**132.9W–.10**	**18**	**3.8b,3.6s**	**13**	**0-78**	
IDC	XI	07 05 26 32.3–.88	52.78N	133.10W	0	4.0,4.0L			**¶602054266**
ISCJB	XI	07 05 26 33.3–.84	52.80N–.08	133.0W–.20	18	3.8b,3.5s			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**07 05 48 57.5–2.0**	**52.7N–.20**	**132.1W–.20**	**10**		**7**	**1-58**	
IDC	XI	07 05 48 55.6–2.5	52.57N	132.19W	0	3.8,3.7L			**¶602388947**
ISCJB	XI	07 05 48 56.2–1.6	52.7N–.10	132.0W–.30	10	3.1b,3.7L			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**07 15 04 24.9–.47**	**52.74N–.05**	**132.68W–.06**	**22**	**4.3b,3.9s**	**222**	**0-96**	
PGC	XI	07 15 04 21.8–8.5	52.65N	132.87W	27–0	4.5W,4.3L			**¶601879560**
ISCJB	XI	07 15 04 23.1–.23	52.75N–.02	132.82W–.05	22	4.3b,3.9s			
NEIC	XI	07 15 04 23.5–.27	52.66N	133.07W	10	4.5W,4.1b			
IDC	XI	07 15 04 25.3–.70	52.77N	132.63W	22–3	4.1,4.0			
ISC		Event type ke.							
PGC		Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0. 97km Wsw of Sandspit, Bc Queen Charlotte Islands Region.							
ISCJB		Event type ke. Error ellipse: s-maj=5.5km s-min=2.2km az=147.6.							
NEIC		Event type se. Error ellipse: s-maj=9.2km s-min=2.4km az=51.0. Moment Tensor Solution. $M_0$6.80000×10^{15}							
IDC		Error ellipse: s-maj=11.3km s-min=8.1km az=65.0.							
IDC	**XI**	**08 11 30 02.7–2.2**	**52.80N**	**131.90W**	**0**	**3.7,3.5L**			**¶602389031**
IDC		Error ellipse: s-maj=27.2km s-min=11.1km az=49.0.							
ISC	**XI**	**09 04 12 23.2–1.4**	**52.9N–.10**	**132.3W–.10**	**10**	**3.7b**	**11**	**0-88**	
ISCJB	XI	09 04 12 21.4–1.2	52.8N–.10	132.4W–.20	10	4.2s,3.5b			**¶602389074**
IDC	XI	09 04 12 21.3–1.2	52.77N	132.40W	0	3.8,3.8L			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=20.5km s-min=7.8km az=135.6.							
IDC		Error ellipse: s-maj=19.5km s-min=6.3km az=64.0.							
ISC	**XI**	**10 02 10 37.7–1.5**	**52.7N–.20**	**132.2W–.20**	**18**		**8**	**1-31**	
IDC	XI	10 02 10 34.9–1.7	52.53N	132.37W	0	3.6b,3.6			**¶602389126**
ISCJB	XI	10 02 10 37.5–1.0	52.8N–.10	131.9W–.20	18	3.5b,3.2s			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**10 06 17 36.0–.87**	**52.47N–.09**	**131.46W–.09**	**10**	**3.8b**	**20**	**1-77**	
IDC	XI	10 06 17 33.7–.91	52.30N	131.63W	0	3.9,3.9L			**¶602389138**
ISCJB	XI	10 06 17 34.2–.68	52.43N–.08	131.5W–.10	10	3.8b,3.9L			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	**XI**	**10 14 15 48.4–5.3**	**51.16N**	**134.22W**	**0**	**4.2L,3.7**			**¶602389158**
IDC		Error ellipse: s-maj=179.2km s-min=32.8km az=51.0.							
IDC	**XI**	**10 17 43 51.5–2.3**	**52.67N**	**131.25W**	**0**	**3.7,3.5b**			**¶602389170**
IDC		Error ellipse: s-maj=38.8km s-min=12.8km az=47.0.							
ISC	**XI**	**11 08 25 33.8–1.3**	**52.4N–.10**	**132.1W–.10**	**10**		**10**	**1-77**	
ISCJB	XI	11 08 25 33.0–1.0	52.52N–.10	132.1W–.20	10	3.4b			**¶602389208**
IDC	XI	11 08 25 32.4–1.4	52.46N	132.15W	0	3.6,3.5			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=18.5km s-min=7.1km az=44.2.							
IDC		Error ellipse: s-maj=18.1km s-min=6.5km az=49.0.							
ISC	**XI**	**11 09 57 00.1–1.1**	**52.8N–.20**	**131.7W–.20**	**10**	**3.5b**	**10**	**1-77**	
IDC	XI	11 09 56 58.4–1.2	52.68N	131.79W	0	3.7,3.5			**¶602389214**
ISCJB	XI	11 09 56 59.2–.93	52.8N–.10	131.8W–.20	10	3.4b,3.5			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**11 21 55 59.2–1.0**	**52.4N–.10**	**131.45W–.10**	**10**	**3.5b**	**15**	**1-74**	
PGC	XI	11 21 55 56.0	52.06N	131.67W	21	3.5b			**¶602389241**
ISCJB	XI	11 21 55 57.5–.73	52.28N–.06	131.6W–.10	10	3.5b			
IDC	XI	11 21 55 57.4–1.1	52.20N	131.61W	0	3.9,3.7			
ISC		Event type ke.							
PGC		Event type ke. 132km south of Sandspit, Bc Haida Gwaii Region.							
ISCJB		Event type ke. Error ellipse: s-maj=12.0km s-min=5.8km az=141.1.							
IDC		Error ellipse: s-maj=13.5km s-min=5.9km az=38.0.							
ISC	**XI**	**12 03 53 18.0–1.0**	**52.5N–.10**	**131.8W–.10**	**10**	**3.8b**	**16**	**1-88**	
IDC	XI	12 03 53 17.0–.93	52.42N	131.75W	0	3.9,3.7			**¶601890797**
ISCJB	XI	12 03 53 17.3–.76	52.51N–.08	131.7W–.20	10	3.7b,3.7			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**12 06 23 06.7–1.7**	**52.4N–.10**	**131.8W–.10**	**10**		**10**	**1-18**	
PGC	XI	12 06 23 02.5	52.30N	131.61W	12				**¶602389278**
IDC	XI	12 06 23 06.8–2.8	52.37N	132.01W	0	3.8,3.5			
ISCJB	XI	12 06 23 07.5–1.2	52.5N–.10	131.7W–.20	10	3.8,3.5			
ISC		Event type ke.							
PGC		Event type ke. 106km Sse of Sandspit, Bc Haida Gwaii Region.							
ISCJB		Event type ke.							
ISC	**XI**	**12 06 25 59.2–.95**	**52.24N–.09**	**131.96W–.10**	**18**	**3.7b**	**17**	**1-77**	
IDC	XI	12 06 25 56.1–1.1	52.18N	132.01W	0	4.1,3.9			**¶602389279**
ISCJB	XI	12 06 25 57.4–.76	52.22N–.06	132.0W–.10	18	3.7s,3.6b			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**XI**	**12 06 50 41.2–1.6**	**52.19N–.05**	**131.74W–.05**	**5–10**	**4.1b**	**200**	**0-78**	
PGC	XI	12 06 50 40.6–4.0	52.15N	131.80W	31–0	4.3W,4.1L			**¶601885141**
IDC	XI	12 06 50 40.0–.87	52.19N	131.93W	0	4.1,4.0b			
ISCJB	XI	12 06 50 41.8–.74	52.24N–.03	131.59W–.06	15–5	4.0b,4.0b			
NEIC	XI	12 06 50 43.5–.24	52.22N	131.50W	10	4.3W,3.9b			
ISC		Event type ke.							
PGC		Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 121km south of Sandspit, Bc Queen Charlotte Islands Region.							
IDC		Error ellipse: s-maj=15.0km s-min=6.7km az=55.0.							
ISCJB		Event type ke. Error ellipse: s-maj=7.1km s-min=2.4km az=146.7.							
NEIC		Event type se. Error ellipse: s-maj=7.3km s-min=2.1km az=54.0. Moment Tensor Solution. $M_0$3.30000×10^{15}							
IDC	**XI**	**12 06 58 28.0–2.7**	**52.24N**	**132.88W**	**0**	**3.5,3.4L**			
PGC	XI	12 06 58 26.4–.34	52.08N	131.74W	34–1	3.5,3.4L			**¶602389280**
IDC		Error ellipse: s-maj=41.3km s-min=14.8km az=88.0.							

PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=-1.0. 130km south of Sandspit, Bc Haida Gwaii Region.
ISC XI 12 07 25 59.6–.57 52.19N–.05 131.75W–.05 10 4.3b 264 0-88
PGC XI 12 07 25 58.9–2.6 52.16N 131.73W 34–0 4.2W,4.1L **¶603776786**
IDC XI 12 07 25 58.4–.95 52.16N 131.93W 0 4.3,4.1
ISCJB XI 12 07 25 59.1–.26 52.25N–.02 131.68W–.06 10 4.3b,3.8s
NEIC XI 12 07 26 01.3–.29 52.23N 131.56W 10 4.2W,4.1b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 121km south of Sandspit, Bc Queen Charlotte Islands Region.
IDC Error ellipse: s-maj=15.8km s-min=6.6km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.3km az=151.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.5km az=61.0. Moment Tensor Solution. $M_0$2.30000×10^{15}
ISC XI 13 00 26 52.1–1.6 52.8N–.20 132.3W–.30 22 3.5b 8 0-76
PGC XI 13 00 26 44.5 52.56N 131.98W 12 3.5b **¶602389314**
IDC XI 13 00 26 49.5–1.4 52.76N 132.20W 0 3.8,3.7b
ISCJB XI 13 00 26 50.7–1.1 52.8N–.10 132.3W–.30 22 3.6b,3.7b
ISC Event type ke.
PGC Event type ke. 77km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC XI 13 04 31 27.0–.66 52.77N–.05 132.41W–.07 10 4.3b 242 0-88
PGC XI 13 04 31 20.8–3.6 52.45N 133.11W 25–9 4.3b **¶602059945**
IDC XI 13 04 31 23.5–.89 52.55N 132.66W 0 4.2,4.0b
ISCJB XI 13 04 31 25.5–.30 52.93N–.03 132.28W–.07 10 4.2b,3.5s
NEIC XI 13 04 31 27.7–.40 52.90N 132.45W 10 4.1b,3.5s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=20.0km s-min=16.3km az=-1.0. 124km Wsw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=18.2km s-min=7.0km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.0km az=151.8.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.5km az=55.0.
ISC XI 13 04 39 32.4–1.6 52.8N–.10 132.2W–.10 10 10 0-57
PGC XI 13 04 38 43.2–4.0 52.41N 133.18W 24–10 **¶602389320**
IDC XI 13 04 39 29.7–2.2 52.56N 132.58W 0 3.5,3.4
ISCJB XI 13 04 39 30.8–1.4 52.7N–.10 132.3W–.20 10 3.5,3.4
ISC Event type ke.
PGC Event type ke. 130km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC XI 13 04 41 55.6–1.1 52.66N–.09 132.4W–.10 18 4.0b 17 1-88
PGC XI 13 04 41 49.5–3.6 52.44N 133.11W 25–9 4.0b **¶602389322**
IDC XI 13 04 41 52.4–1.3 52.56N 132.65W 0 4.0,3.9b
ISCJB XI 13 04 41 54.3–.90 52.70N–.06 132.5W–.10 18 3.8b,3.9b
ISC Event type ke.
PGC Event type ke. 124km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke.
ISC XI 13 04 46 56.5–.66 52.77N–.06 132.48W–.08 10 4.3b 282 0-151
PGC XI 13 04 46 51.0–.33 52.49N 133.00W 28–0 4.3b **¶601991842**
IDC XI 13 04 46 52.7–.81 52.53N 132.72W 0 4.2,4.1b
NEIC XI 13 04 46 56.9–.36 52.85N 132.62W 10 4.1b,4.1b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 115km Wsw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=17.3km s-min=7.3km az=88.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=3.0km az=54.0.
ISC XI 13 04 55 47.6–.45 52.71N–.03 132.04W–.03 17–2 5.3b,5.1s 1358 0-163
BJI XI 13 04 55 43.0 52.80N 132.00W 10 5.4b,5.3s **¶601890536**
IDC XI 13 04 55 44.4–.38 52.62N 132.13W 0 5.1b,5.0
PGC XI 13 04 55 46.0–7.0 52.71N 132.03W 22–0 5.3L,5.1b
NEIC XI 13 04 55 45.0–.00 52.71N 132.03W 22 5.1W,5.1b
ISCJB XI 13 04 55 45.8–.36 52.81N–.01 131.98W–.02 13–2 5.2b,5.1s
MOS XI 13 04 55 46.9–.89 52.76N 132.14W 22 5.5b,5.1s
GCMT XI 13 04 55 52.0–.50 52.56N–.03 132.07W–.04 29–1 5.5W,5.1s
ISC Event type fe.
PGC Event type ke. 62km Ssw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type fe. Felt [III] at Prince Rupert. Also felt at Port Hardy and Queen Charlotte. After OTT. Moment Tensor Solution. $M_0$5.90000×10^{16}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c22; s65,c82;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.19 $M_{\theta\theta}$-1.84±.12; $M_{\phi\phi}$0.20±.12; $M_{r\theta}$0.72±.14; $M_{\theta\phi}$1.17±.06; $M_{\phi r}$0.21±.16; Best double couple: NP1:ϕ_s94.00000°,δ57.00000°,λ63.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ124.00000°. Principal axes: T 1.9100,Plg66.0000° ,Azm312.0000°; N 0.5380,Plg22.0000°,Azm110.0000°; P -2.4500,Plg8.0000°,Azm203.0000° $M_0$2.18000×10^{17}
ISC XI 13 07 34 18.2–.91 52.72N–.04 132.47W–.05 9–5 4.4b,3.9s 473 0-152
IDC XI 13 07 34 15.3–.71 52.59N 132.63W 0 4.2,4.1 **¶603776819**
PGC XI 13 07 34 17.5–32 52.76N 132.46W 43–3 4.7W,4.4L
NEIC XI 13 07 34 19.0–.17 52.82N 132.61W 10 4.7W,4.3b
GCMT XI 13 07 34 21.0–.40 52.82N–.04 133.15W–.05 20–1 5.0W,4.3b
ISC Event type ke.
PGC Event type ke. 69km southwest of Sandspit, Bc Queen Charlotte Islands Region.
NEIC Event type se. Moment Tensor Solution. $M_0$1.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c17; s77,c96;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.73±.32 $M_{\theta\theta}$1.30±.18; $M_{\phi\phi}$2.43±.19; $M_{r\theta}$1.22±.37; $M_{\theta\phi}$-0.88±.10; $M_{\phi r}$1.64±.34; Best double couple: NP1:ϕ_s174.00000°,δ57.00000°,λ-68.00000°. NP2:ϕ_s319.00000°,δ39.00000°,λ-119.00000°. Principal axes: T 3.0530,Plg9.0000° ,Azm249.0000°; N 1.4270,Plg18.0000°,Azm342.0000°; P -4.4800,Plg70.0000° ,Azm133.0000° $M_0$3.76600×10^{16}
ISC XI 13 07 40 13.9–.81 53.21N–.08 131.84W–.08 10 4.0b 11 0-74
PGC XI 13 07 40 05.7–3.5 52.46N 133.11W 25–9 4.0b **¶602389330**
IDC XI 13 07 40 10.3–1.6 52.64N 132.37W 0 4.0,3.8b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=20.0km s-min=16.3km az=-1.0. 124km Wsw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=22.8km s-min=7.2km az=64.0.
ISC XI 14 03 04 44.0–.41 51.84N–.06 130.60W–.06 10 4.8b,4.0s 614 2-151
IDC XI 14 03 04 40.7–.83 51.63N 131.13W 0 4.4,4.2 **¶601891462**
BJI XI 14 03 04 41.0 51.80N 130.60W 10 5.0b,4.9b
ISCJB XI 14 03 04 42.4–.19 51.84N–.02 130.64W–.04 10 4.7b,4.0s
PGC XI 14 03 04 42.7–1.4 51.77N 131.36W 28–3 4.7b,4.0s
GCMT XI 14 03 04 43.0–.30 51.52N–.02 131.28W–.03 17–1 4.8W,4.0s
NEIC XI 14 03 04 45.0–.21 51.83N 130.65W 10 4.7b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=10.5km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=152.0.
PGC Event type ke. Error ellipse: s-maj=12.2km s-min=1.4km az=-1.0. 167km Sse of Sandspit, Bc Haida Gwaii Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s78,c110;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.70±.14 $M_{\theta\theta}$-1.30±.09; $M_{\phi\phi}$2.00±.10; $M_{r\theta}$0.21±.25; $M_{\theta\phi}$1.26±.07; $M_{\phi r}$-0.67±.23; Best double couple: NP1:ϕ_s336.00000°,δ83.00000°,λ-158.00000°. NP2:ϕ_s243.00000°,δ68.00000°,λ-8.00000°. Principal axes: T 2.5270,Plg10.0000° ,Azm108.0000°; N -0.6470,Plg67.0000°,Azm353.0000°; P -1.8820,Plg21.0000° ,Azm202.0000° $M_0$2.20500×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.3km az=54.0.
IDC XI 14 17 24 00.1–3.0 51.00N 130.48W 0 4.0,3.7
PGC XI 14 17 24 03.6 51.64N 131.18W 19 4.0,3.7 **¶602389397**
IDC Error ellipse: s-maj=56.1km s-min=18.4km az=63.0.
PGC Event type ke. 184km Sse of Sandspit, Bc Haida Gwaii Region.
ISC XI 15 12 32 25.3–1.1 52.29N–.06 132.19W–.06 18 24 0-57
IDC XI 15 12 32 22.7–1.7 52.17N 132.35W 0 3.5,3.4b **¶602389453**
ISCJB XI 15 12 32 23.6–.80 52.16N–.04 132.31W–.08 18 3.3b,3.3s
PGC XI 15 12 32 25.9–.03 52.23N 132.09W 39–1 3.3L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=8.2km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=152.3.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 115km Ssw of Sandspit, Bc Queen Charlotte Islands Region.
ISC XI 15 14 28 44.7–1.4 52.69N–.05 132.27W–.05 12–8 4.0b 57 0-151
IDC XI 15 14 28 43.2–.88 52.63N 132.66W 0 3.9b,3.8 **¶601906482**
PGC XI 15 14 28 45.6–.04 52.76N 132.17W 25–0 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=7.7km az=95.0.
PGC Event type ke. 60km southwest of Sandspit, Bc Haida Gwaii Region.
ISC XI 17 14 18 14.4–1.8 52.20N–.05 132.26W–.06 10–10 42 0-58
PGC XI 17 14 18 14.2–3.4 52.16N 132.32W 29–0 3.8L,3.7L **¶601992513**
IDC XI 17 14 18 16.6–2.1 52.41N 131.96W 0 3.8,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 125km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=34.1km s-min=7.8km az=53.0.
ISC XI 18 11 41 05.5–1.8 52.29N–.05 132.18W–.06 8–11 3.2s 43 0-97
PGC XI 18 11 41 05.9–1.2 52.27N 132.34W 24–0 3.8L,3.8L **¶601992706**
IDC XI 18 11 41 12.6–1.9 52.58N 131.36W 0 3.9,3.6b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 114km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=26.1km s-min=10.4km az=57.0.
ISC XI 18 17 04 46.1–1.9 52.35N–.06 132.49W–.06 5–10 3.9s,3.7b 35 1-88
PGC XI 18 17 04 47.7–.96 52.44N 132.36W 35–0 3.6L,3.6L **¶601992750**
IDC XI 18 17 04 48.4–1.4 52.57N 131.94W 0 4.0,3.9
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 97km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=24.2km s-min=6.4km az=48.0.
ISC XI 18 19 18 20.3–1.0 52.6N–.10 132.0W–.10 10 3.6b,3.1s 13 1-88
IDC XI 18 19 18 17.8–1.2 52.47N 132.21W 0 3.8,3.7b **¶603777123**
ISCJB XI 18 19 18 18.7–.86 52.57N–.09 132.2W–.10 10 3.6b,3.2s
PGC XI 18 19 18 18.1–17 52.42N 132.54W 10–413 3.6b,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=7.6km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=6.8km az=135.4.
PGC Event type ke. Error ellipse: s-maj=68.9km s-min=8.8km az=-1.0. 104km southwest of Sandspit, Bc Haida Gwaii Region.
ISC XI 21 14 46 30.2–1.5 52.23N–.05 131.99W–.05 12–9 4.0b,3.5s 123 0-151
IDC XI 21 14 46 29.6–1.1 52.45N 131.70W 0 4.1,3.9 **¶601993479**
PGC XI 21 14 46 30.3–.02 52.31N 131.92W 41–0 3.8L,3.9
NEIC XI 21 14 46 32.0–.43 52.40N 131.83W 10 4.0b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=6.7km az=44.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 104km south of Sandspit, Bc Queen Charlotte Islands Region.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.6km az=51.0.
ISC XI 22 13 02 43.8–.95 52.90N–.03 132.30W–.04 14–5 63 0-76
PGC XI 22 13 02 42.9–.02 52.84N 132.34W 12–0 3.8L,3.8L **¶601993724**
IDC XI 22 13 02 42.3–1.6 52.83N 132.68W 0 3.7,3.7b
ISC Event type ke.
PGC Event type ke. 57km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=31.3km s-min=8.1km az=96.0.
ISC XI 23 00 15 36.2–1.7 52.39N–.06 132.40W–.06 13–10 27 0-68
ISCJB XI 23 00 15 35.3–1.3 52.37N–.05 132.43W–.10 11–6 3.4b,3.1s **¶602389856**
IDC XI 23 00 15 35.0–1.7 53.54N 131.31W 0 3.6,3.5L
PGC XI 23 00 15 36.5–.03 52.36N 132.36W 37–11 3.4L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.9km az=144.3.
IDC Error ellipse: s-maj=125.0km s-min=13.9km az=37.0.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0. 105km Ssw of Sandspit, Bc Haida Gwaii Region.
PGC XI 23 04 47 18.4–1.2 52.23N 132.14W 31–0 3.5L,3.4L
¶603777269
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 116km Ssw of Sandspit, Bc Haida Gwaii Region.
PGC XI 23 12 35 09.5–.07 52.83N 132.41W 23–0 3.6L,3.6L
¶603302332
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 61km southwest of Sandspit, Bc Haida Gwaii Region.
PGC XI 23 15 33 37.4–.04 52.73N 132.23W 21–0 3.7L,3.7L
¶603302333
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 63km southwest of Sandspit, Bc Haida Gwaii Region.
IDC XI 24 09 43 47.6–2.5 52.34N 131.61W 0 3.6,3.5L
PGC XI 24 09 43 40.3–.81 52.09N 132.59W 26–2 3.6,3.5L **¶602389931**
IDC Error ellipse: s-maj=68.3km s-min=23.9km az=53.0.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=-1.0. 139km Ssw of Sandspit, Bc Haida Gwaii Region.
ISC XI 28 10 29 25.6–.96 52.81N–.09 131.65W–.08 10 3.6b 12 1-58
PGC XI 28 10 29 22.7 52.28N 132.37W 17 3.6b **¶602390111**
IDC XI 28 10 29 22.8–1.9 52.33N 132.10W 0 3.8,3.5
ISC Event type ke.
PGC Event type ke. 113km Ssw of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=30.3km s-min=7.7km az=61.0.
ISC XI 30 03 03 14.2–.94 53.02N–.03 132.45W–.04 14–6 4.1b,3.2s 113 0-76
IDC XI 30 03 03 12.1–1.3 52.81N 132.50W 0 3.9b,3.8 **¶601995346**
ISCJB XI 30 03 03 13.9–.46 53.03N–.03 132.40W–.07 24–2 3.9b,3.3s
PGC XI 30 03 03 13.8–.04 53.01N 132.52W 22–0 4.5W,4.1L
NEIC XI 30 03 03 13.8–.00 53.01N 132.52W 18 4.5W,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=10.1km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=2.7km az=142.6.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 53km Wsw of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$8.00000×10^{15}
ISC XII 01 02 32 10.4–1.7 52.26N–.06 132.15W–.06 14–10 33 0-57
IDC XII 01 02 32 10.5–2.0 52.33N 132.04W 0 3.7,3.6b **¶601995552**
PGC XII 01 02 32 11.3–.05 52.28N 132.09W 38–1 3.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=7.1km az=45.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 109km Ssw of Sandspit, Bc Haida Gwaii Region.
PGC XII 02 17 56 32.7–.03 52.69N 132.01W 24–0 3.5L,3.5L
¶603302358
PGC Event type ke. 63km Ssw of Sandspit, Bc Haida Gwaii Region.
PGC XII 03 23 07 54.6–.03 52.82N 132.30W 25–0 3.5L,3.4L
¶603302359
PGC Event type ke. 57km southwest of Sandspit, Bc Haida Gwaii Region.
ISC XII 04 18 31 58.4–1.4 52.64N–.04 132.23W–.04 5–9 4.0b,3.0s 104 0-77
IDC XII 04 18 31 58.5–1.1 52.64N 132.20W 0 3.8,3.8b **¶604463078**
NEIC XII 04 18 32 00.0–.00 52.72N 132.18W 21 4.2W,3.8b
PGC XII 04 18 32 00.2–.34 52.72N 132.18W 21–0 4.2W,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=6.4km az=47.0.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$2.40000×10^{15}
PGC Event type ke. 63km southwest of Sandspit, Bc Haida Gwaii Region.
PGC XII 05 08 11 44.3–1.2 52.76N 132.37W 24–0 3.6L,3.5L
¶604463111
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 65km southwest of Sandspit, Bc Haida Gwaii Region.
ISC XII 06 05 28 00.2–.77 52.93N–.03 132.30W–.03 12–4 4.6b,3.8s 514 0-146
IDC XII 06 05 27 57.4–.62 52.77N 132.44W 0 4.4,4.4b **¶602005973**
PGC XII 06 05 27 59.1–.69 52.86N 132.46W 21–0 4.8L,4.6W
ISCJB XII 06 05 28 00.0–.31 53.00N–.02 132.30W–.04 21–2 4.5b,3.8s
NEIC XII 06 05 28 01.0–.17 53.00N 132.37W 10 4.6W,4.4b
GCMT XII 06 05 28 05.0–.30 52.94N–.03 132.33W–.06 20–1 4.9W,4.4b
ISC Event type fe.
PGC Event type ke. 61km Wsw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type fe.
NEIC Event type fe. Felt at Prince Rupert. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s77,c97;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.18 $M_{\theta\theta}$-1.30±.11; $M_{\phi\phi}$-1.42±.10; $M_{r\theta}$0.36±.24; $M_{\theta\phi}$0.71±.06; $M_{\phi r}$-0.27±.23; Best double couple: NP1:ϕ_s136.00000°,δ50.00000°,λ88.00000°.

NP2:ϕ_s319.00000°,δ40.00000°,λ92.00000°. Principal axes: T 2.7530,Plg85.0000° ,Azm33.0000°; N -0.6510,Plg1.0000°,Azm137.0000°; P -2.1120,Plg5.0000°,Azm227.0000° $M_0$2.43200×10^{16}

ISC XII 08 20 26 07.5–1.6 52.59N–.07 132.30W–.08 14–10 25 0-57
PGC XII 08 20 26 05.9–2.1 52.50N 132.64W 25–0 3.5L **¶602390843**
IDC XII 08 20 26 07.8–2.3 52.62N 132.09W 0 3.4,3.2
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 100km southwest of Sandspit, Bc Haida Gwaii Region.
IDC Error ellipse: s-maj=34.9km s-min=17.3km az=42.0.
ISC XII 09 13 04 08.1–1.1 52.81N–.04 132.41W–.05 15–6 4.2b 116 0-76
ISCJB XII 09 13 04 07.7–.43 52.86N–.03 132.29W–.06 27–2 4.0b,3.5s **¶602046966**
IDC XII 09 13 04 07.2–1.1 52.80N 132.26W 0 3.8,3.8b
PGC XII 09 13 04 08.3–.54 52.85N 132.32W 24–0 4.1L,4.1W
NEIC XII 09 13 04 09.9–1.3 52.89N 132.41W 19–8 4.3b,4.1W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=2.5km az=138.1.
IDC Error ellipse: s-maj=16.1km s-min=5.4km az=51.0.
PGC Event type ke. 55km southwest of Sandspit, Bc Haida Gwaii Region.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=3.6km az=225.0. Moment Tensor Solution. $M_0$1.50000×10^{15}
PGC XII 09 15 06 42.8–.61 52.85N 132.35W 22–0 3.5L
¶604463279
PGC Event type ke. 56km southwest of Sandspit, Bc Haida Gwaii Region.
PGC XII 10 00 37 53.9–.01 52.81N 132.33W 22–0 3.5L,3.5L
¶603302388
PGC Event type ke. 59km southwest of Sandspit, Bc Haida Gwaii Region.
PGC XII 16 02 39 19.0–1.8 52.74N 132.41W 20–0 2.4L
¶604463318
PGC Event type ke. 69km southwest of Sandspit, Bc Queen Charlotte Islands Region.
ISC XII 16 02 50 58.3–1.1 52.73N–.05 132.15W–.06 15–6 4.0b 75 0-151
IDC XII 16 02 50 56.0–1.0 52.63N 132.36W 0 3.9,3.9b **¶602046989**
PGC XII 16 02 50 57.9–.66 52.72N 132.23W 21–0 4.6W,4.0L
ISCJB XII 16 02 50 58.3–.56 52.76N–.04 132.09W–.08 24–3 3.8b,4.0L
NEIC XII 16 02 50 58.3–.69 52.74N 132.05W 10 4.6W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=8.4km az=66.0.
PGC Event type ke. 65km southwest of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.2km az=140.5.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.9km az=51.0. Moment Tensor Solution. $M_0$1.00000×10^{16}
ISC XII 17 00 35 06.6–1.5 52.61N–.04 132.21W–.05 12–9 74 0-26
ISCJB XII 17 00 35 06.2–.79 52.59N–.03 132.25W–.07 19–5 4.3b **¶602046998**
NEIC XII 17 00 35 08.4–.00 52.66N 132.11W 16 4.8W,4.3b
PGC XII 17 00 35 08.4–1.4 52.66N 132.11W 16–0 4.8W,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.4km az=145.5.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$2.20000×10^{16}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 69km Ssw of Sandspit, Bc Haida Gwaii Region.
PGC XII 18 04 07 58.4–1.1 52.50N 131.91W 23–0 3.7L,3.7L
¶603302405
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 84km south of Sandspit, Bc Haida Gwaii Region.
ISC XII 18 19 57 11.1–1.3 52.37N–.04 132.05W–.04 17–7 4.4b,3.5s 385 0-151
IDC XII 18 19 57 08.7–.63 52.31N 132.03W 0 4.3,4.2 **¶602051530**
PGC XII 18 19 57 09.5–3.0 52.25N 132.18W 27–0 4.0L,4.0L
ISCJB XII 18 19 57 11.0–.48 52.39N–.02 132.03W–.04 25–3 4.4b,3.5s
NEIC XII 18 19 57 11.1–.17 52.44N 132.05W 10 4.3b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.7km az=38.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 113km Ssw of Sandspit, Bc Haida Gwaii Region.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.0km az=139.5.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=1.7km az=48.0.
PGC XII 20 15 00 15.5–2.4 52.54N 131.94W 17–0 3.5L
¶604463375
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 79km south of Sandspit, Bc Queen Charlotte Islands Region.
ISC XII 22 04 02 47.1–1.5 52.60N–.05 132.17W–.06 14–8 51 0-77
IDC XII 22 04 02 45.0–1.4 52.53N 132.15W 0 3.7b,3.5 **¶602057906**
ISCJB XII 22 04 02 47.3–.74 52.60N–.04 132.08W–.08 25–3 3.6b,3.5
PGC XII 22 04 02 48.6–1.6 52.65N 132.10W 21–0 3.8L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=9.0km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=3.4km az=140.6.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 68km Ssw of Sandspit, Bc Haida Gwaii Region.
PGC XII 27 06 33 08.5–3.0 51.21N 131.09W 10 3.5W,2.9
¶604463472
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 230km Wsw of Bella Bella, Bc Haida Gwaii Region.

(24) Alberta.

IDC XII 29 20 42 26.2–1.1 50.18N 114.77W 0 3.4,3.1
¶602380854
IDC Error ellipse: s-maj=19.6km s-min=8.5km az=113.0.

(25) Vancouver Island region.

PGC VII 01 13 58 35.5–.86 50.55N 130.41W 10 3.7W,3.0
¶603174787
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 212km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC VII 04 04 00 05.9–.25 48.66N 123.12W 15–0 3.1L,2.4L
NEIC VII 04 04 00 05.8–.00 48.65N 123.13W 14 3.1L,2.4L **¶601556017**
PGC Event type fe. 20km east of Sidney, Bc Vancouver Island, Canada Region Felt (I) in Saanich, Bc, one report.
NEIC Event type fe. Felt [III] at Friday Harbor and [II] at Eastsound. Also felt at Forks and Olga. Felt [II] at Victoria, British Columbia. Also felt at Vancouver and White Rock. After SEA.
ISC VII 04 13 35 46.3–2.0 50.63N–.05 129.77W–.05 15–13 4.6b,3.6s 364 1-148
PGC VII 04 13 35 43.4–1.3 50.46N 130.15W 10 4.6W,3.8 **¶601565533**
IDC VII 04 13 35 43.0–.71 50.46N 130.16W 0 4.3,4.2L
ISCJB VII 04 13 35 45.7–.69 50.60N–.02 129.71W–.04 19–5 4.5b,3.6s
NEIC VII 04 13 35 46.8–.19 50.63N 129.66W 10 4.6W,4.3b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 194km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=15.9km s-min=9.3km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=142.2.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=1.9km az=50.0. Moment Tensor Solution.
ISC VII 06 15 02 24.5–1.1 50.54N–.06 129.91W–.06 10 44 1-79
ISCJB VII 06 15 02 23.0–.72 50.54N–.04 129.94W–.08 10 3.2b,2.9s **¶601243860**
PGC VII 06 15 02 23.9–.27 50.44N 130.06W 10 3.8W,3.1
IDC VII 06 15 02 26.4–1.8 50.57N 129.56W 0 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=150.5.
PGC Event type ke. 188km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=29.6km s-min=13.1km az=79.0.
PGC VII 17 14 02 56.1–.80 50.60N 130.30W 10 3.5W,3.5W
¶601405084
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 204km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC VIII 19 17 45 31.5–3.2 49.01N–.04 129.46W–.06 6–24 3.6b,3.1s 127 1-75
PGC VIII 19 17 45 33.1–.50 48.99N 129.51W 10 3.7W,3.7W **¶601605982**
IDC VIII 19 17 45 36.1–2.1 49.23N 129.08W 0 4.0,3.8
ISC Event type ke.
PGC Event type ke. 242km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=35.8km s-min=12.9km az=70.0.
ISC X 05 13 31 08.1–1.2 50.08N–.06 129.76W–.07 10 3.0s 50 1-69
ISCJB X 05 13 31 07.0–.72 50.13N–.05 129.81W–.08 10 3.6b,3.0s **¶601794187**
IDC X 05 13 31 08.6–2.0 50.16N 129.74W 0 3.9,3.6L
PGC X 05 13 31 19.6–4.7 50.17N 128.56W 10 3.4W,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=141.6.
IDC Error ellipse: s-maj=30.9km s-min=12.7km az=70.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 100km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC X 14 17 00 12.2–4.0 50.74N 129.95W 10 3.5W,2.9
¶601837268
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 178km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC X 16 07 45 58.8–.36 49.03N 128.49W 10 3.5W,2.9
¶601836651
PGC Event type ke. 187km Wsw of Gold R., Bc Vancouver Island, Canada Region.
PGC X 28 14 46 03.4–19 50.80N 129.78W 10 4.5W,4.3W
NEIC X 28 14 46 03.4–.00 50.80N 129.78W 10 4.5W,4.1b **¶602000085**
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0. 166km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$6.90000×10^{15}
ISC X 29 18 30 36.4–1.3 49.23N–.09 127.7W–.10 17 3.5s 19 3-78
IDC X 29 18 30 32.5–1.3 49.12N 127.81W 0 4.1,4.0b **¶601902235**
ISCJB X 29 18 30 33.4–.94 49.15N–.06 127.9W–.20 17 3.9b,3.5s
NEIC X 29 18 30 35.2–1.0 49.17N 127.78W 10 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=8.7km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=6.0km az=155.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=7.9km az=62.0.
ISC XI 08 02 01 49.7–.41 49.13N–.03 128.54W–.03 11–2 6.1s,5.7b 1997 1-161
PGC XI 08 02 01 45.5–6.0 49.01N 128.85W 10 6.3W,5.9W **¶601880080**
IDC XI 08 02 01 47.0–.35 49.14N 128.65W 0 5.9,5.9s
ISCJB XI 08 02 01 47.4–.46 49.19N–.01 128.44W–.02 4–3 6.0s,5.6b
BJI XI 08 02 01 48.8 49.18N 128.51W 18 6.3s,6.1
MOS XI 08 02 01 48.1–.97 49.18N 128.55W 13 6.0s,5.6b
GCMT XI 08 02 01 50.6–.10 48.90N–.01 128.85W–.01 12 6.2W,5.6b
NEIC XI 08 02 01 50.6–.50 49.23N 128.48W 14–3 6.7,6.1W
NEIC XI 08 02 01 51.0–.00 49.18N 128.68W 19 6.7,6.1W
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 213km Wsw of Gold R., Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=10.6km s-min=6.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=39.7.
MOS Error ellipse: s-maj=6.2km s-min=3.3km az=109.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c295; s149,c437; Duration: 2±9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$-1.92±.01; $M_{\phi\phi}$2.07±.01; $M_{r\theta}$-0.53±.03; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$-0.39±.03; Best double couple: NP1:ϕ_s39.00000°,δ85.00000° ,λ-18.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ-174.00000°. Principal axes: T 2.1580,Plg9.0000°,Azm86.0000°; N -0.0330,Plg72.0000°,Azm202.0000° ; P -2.1240,Plg16.0000°,Azm353.0000° $M_0$2.14100×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=1.5km az=47.0. Felt [III] at Vancouver and [II] at Nanaimo. Also felt at Chilliwack, Gold River, Victoria and White Rock. Felt at Hammond, Oregon and at Camano Island, Olympia, Port Angeles, Port Townsend, Poulsbo, Rochester, Seattle and Yelm, Washington. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$0.95000×10^{18} Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.06 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$1.52 $M_{r\theta}$-0.21 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s125.00000° ,δ85.00000°,λ-175.00000°. NP2:ϕ_s34.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 1.6200,Plg1.0000°,Azm80.0000°; N 0.0900,Plg83.0000°,Azm175.0000° ; P -1.7100,Plg7.0000°,Azm350.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ85.00000°,λ175.00000°. NP2: ϕ_s220.00000°,δ85.00000°,λ5.00000°. Principal axes: T Plg7.0000°,Azm85.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm175.0000°
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$2.02 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s311.00000° ,δ81.00000°,λ-169.00000°. NP2:ϕ_s219.00000°,δ80.00000°,λ-9.00000°. Principal axes: T 2.0500,Plg0.0000°,Azm85.0000°; N -0.0700,Plg76.0000°,Azm351.0000° ; P -1.9800,Plg13.0000°,Azm175.0000° $M_0$2.00000×10^{18}
ISC XI 08 02 06 08.6–3.0 49.15N–.10 128.5W–.10 9 33 1-3
PGC XI 08 02 06 08.3–3.9 49.04N 128.73W 10 4.4W,3.7 **¶602054279**
NEIC XI 08 02 06 09.9–2.4 49.19N 128.40W 10–15 4.4W,3.7
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 203km Wsw of Gold R., Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=6.4km az=52.0.
ISC XI 08 09 27 32.0–1.8 49.8N–.10 128.2W–.20 24 9 2-78
IDC XI 08 09 27 27.9–2.5 49.67N 128.22W 0 3.7,3.5 **¶602389027**
ISCJB XI 08 09 27 30.4–1.7 49.8N–.20 128.1W–.40 24 4.2s,3.2b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 12 01 44.0–1.1 49.33N–.09 128.1W–.10 17 3.6s,3.5b 13 3-81
IDC XI 08 12 01 42.0–1.1 49.12N 128.23W 0 3.8,3.7 **¶602389032**
ISCJB XI 08 12 01 43.0–.88 49.33N–.07 128.0W–.20 17 3.6s,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 21 07 39.2–1.7 49.32N–.05 128.23W–.05 8–10 4.4b,3.9s 202 1-147
PGC XI 08 21 07 34.2–4.6 49.00N 128.84W 10 4.7W,4.4W **¶601882366**
IDC XI 08 21 07 35.9–.92 49.18N 128.03W 0 4.1,4.0
NEIC XI 08 21 07 41.8–.27 49.38N 128.14W 10 4.7W,4.5W
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 213km Wsw of Gold R., Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=21.7km s-min=8.6km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=2.5km az=51.0. Felt at Nanaimo. Moment Tensor Solution. $M_0$1.50000×10^{16} Moment Tensor Solution. s6 Moment tensor: Scale 10^{15} Nm; M_{rr}0.00 $M_{\theta\theta}$-3.71 $M_{\phi\phi}$3.71 $M_{r\theta}$4.27 $M_{\theta\phi}$-0.74 $M_{\phi r}$-2.58 Best double couple: NP1: ϕ_s307.00000°,δ90.00000°,λ-127.00000°. NP2:ϕ_s217.00000°,δ37.00000°,λ0.00000°. Principal axes: T 5.8900,Plg34.0000°,Azm68.0000°; N 0.6900,Plg37.0000°,Azm307.0000° ; P -6.5700,Plg34.0000°,Azm186.0000° $M_0$6.30000×10^{15}
ISC XI 10 06 27 19.6–.66 49.38N–.06 128.17W–.08 24 4.6b 117 1-147
IDC XI 10 06 27 13.9–1.4 49.21N 128.39W 0 3.9,3.8 **¶601883264**
ISCJB XI 10 06 27 17.2–.32 49.37N–.03 128.30W–.07 24 4.4b,4.0s
NEIC XI 10 06 27 17.9–.37 49.42N 128.24W 10 4.1b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=9.2km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.8km az=146.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.4km az=55.0.
ISC XI 15 07 05 10.6–2.7 49.13N–.05 128.61W–.06 14–16 4.0b 53 1-84
OTT XI 15 07 05 05.2–.51 48.84N 129.08W 10 3.2L **¶602059966**
IDC XI 15 07 05 07.3–1.1 49.11N 128.75W 0 3.9b,3.8
NEIC XI 15 07 05 09.8–.85 49.17N 128.79W 10 4.3b,3.8
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0. 208km southwest from Port Alice, Bc Juan De Fuca-Explorer Seismic Zone.
IDC Error ellipse: s-maj=22.6km s-min=10.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.8km az=59.0.
ISC XI 15 10 03 42.5–3.7 49.24N–.06 128.43W–.07 5–25 32 1-59
OTT XI 15 10 03 39.7–.53 49.05N 128.98W 18 2.8L **¶602389442**
IDC XI 15 10 03 44.5–1.3 49.41N 128.25W 0 3.7,3.6
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0. 185km southwest from Port Alice, Bc Juan De Fuca-Explorer Seismic Zone.
IDC Error ellipse: s-maj=21.2km s-min=8.8km az=61.0.
PGC XI 17 12 12 00.1–4.8 48.94N 128.93W 10 3.6W,3.0
¶603302307
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 221km Wsw of Gold R., Bc Vancouver Island, Canada Region.
PGC XI 18 00 36 46.8–.84 49.09N 128.77W 10 3.7W,3.7W
¶603302309
PGC Event type ke. 203km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC XI 20 04 16 34.0–2.2 49.00N–.08 128.66W–.09 19–10 4.0b,3.2s 49 1-84
OTT XI 20 04 16 30.6–.57 48.85N 128.97W 10 3.5L,3.2s **¶602389718**
IDC XI 20 04 16 30.5–.91 48.89N 128.88W 0 4.1,4.0

ISCJB XI 20 04 16 31.6–1.5 48.98N–.04 128.75W–.05 15–12 3.8b,3.2s
ISC Event type ke.
OTT Event type ke. 203km southwest from Port Alice, Bc Juan De Fuca-Explorer Seismic Zone.
ISCJB Event type ke.
PGC XI 22 19 54 41.0–65 48.91N 128.76W 10 3.5W,2.9
¶603777260
PGC Event type ke. Error ellipse: s-maj=7.8km s-min=2.9km az=-1.0. 209km west of Tofino, Bc Vancouver Island, Canada Region.
PGC XI 23 06 14 46.1–2.4 48.69N 129.03W 10 3.9W,3.9W
¶603777272
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 233km west of Tofino, Bc Vancouver Island, Canada Region.
PGC XI 23 12 13 22.5–3.5 49.03N 128.83W 10 3.7W,3.7W
¶603777278
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 210km Wsw of Gold R., Bc Vancouver Island, Canada Region.
PGC XI 23 23 13 16.6–15 48.86N 129.03W 10 3.5W,2.8
¶603777289
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. 229km west of Tofino, Bc Vancouver Island, Canada Region.
PGC XII 05 00 45 42.2–.01 50.43N 130.33W 10 3.6W,3.0
¶604463087
PGC Event type ke. 207km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 07 03 12 46.6–9.9 50.55N 130.39W 10 3.5W,2.8
¶603302385
PGC Event type ke. 210km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 08 12 48 34.2–2.4 50.71N 130.57W 10 3.6W,2.9
¶604463242
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 222km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 14 02 23 45.5–15 50.56N 130.30W 10 3.6W,3.0
¶603302400
PGC Event type ke. 204km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 15 16 38 13.6–12 50.64N 130.29W 10 3.5W,2.9
¶604463314
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 202km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 18 20 37 42.5–6.9 49.02N 129.09W 10 3.6W,3.6W
¶603302407
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. 222km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 19 03 52 31.6–8.3 50.62N 130.26W 10 3.6W,3.6W
¶604463358
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 201km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC XII 20 21 12 15.1–3.1 50.18N 129.69W 10 3.7W,3.1
¶604463380
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 170km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC XII 23 19 08 39.1–2.1 50.73N–.04 129.71W–.05 15–13 4.2b,3.6s 198 1-97
PGC XII 23 19 08 34.9–1.2 50.50N 130.29W 10 4.5W,3.9 **¶602056891**
IDC XII 23 19 08 36.7–.77 50.62N 129.92W 0 4.1,3.9
NEIC XII 23 19 08 38.6–.50 50.74N 129.79W 10 4.5W,4.2b
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 203km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=13.5km s-min=10.6km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=4.3km az=48.0. Felt at Port Hardy. Moment Tensor Solution. $M_0$6.70000×10^{15}
PGC XII 25 17 35 45.7–12 50.02N 130.04W 10 3.5W,3.5W
¶604463459
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 201km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC XII 25 17 39 26.3–4.0 50.19N–.06 129.75W–.06 11–28 4.3b,3.6s 246 1-80
IDC XII 25 17 39 25.9–1.4 50.17N 129.65W 0 4.1,3.8 **¶602060026**
PGC XII 25 17 39 26.0–9.8 50.13N 129.85W 10 4.1b,3.9W
NEIC XII 25 17 39 26.8–.35 50.21N 129.81W 10 4.1b,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=11.1km az=68.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 183km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=53.0.
ISC XII 25 23 34 43.1–1.6 50.13N–.08 129.82W–.09 12 26 2-58
PGC XII 25 23 34 40.7–129 50.04N 130.10W 10 3.7W,3.7W **¶602380602**
ISCJB XII 25 23 34 41.9–1.1 50.17N–.06 129.8W–.10 12 4.0s,4.0b
IDC XII 25 23 34 43.2–2.8 50.11N 129.68W 0 4.1,4.1s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=8.6km az=-1.0. 204km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=6.6km az=143.6.
IDC Error ellipse: s-maj=37.1km s-min=14.5km az=61.0.
PGC XII 26 08 05 25.9–23 50.02N 130.15W 10 3.6W,3.0
¶604463462
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0. 208km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC XII 27 06 36 46.2–.62 48.67N–.03 123.23W–.03 56–4 4.1b 171 0-90
IDC XII 27 06 36 39.4–.80 48.82N 123.50W 0 3.9,3.9b **¶602059896**
ISCJB XII 27 06 36 45.0–.17 48.68N–.02 123.20W–.03 65–2 3.8b,3.9b
PGC XII 27 06 36 46.1–.26 48.65N 123.22W 59–0 3.3L,3.9b
NEIC XII 27 06 36 46.3–.00 48.67N 123.24W 57 4.1b,3.9L
PNSN XII 27 06 36 46.7 48.65N 123.25W 55 4.0,3.9L
ANF XII 27 06 36 47.1–.91 48.64N 123.23W 52–8 4.1L,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=10.2km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=143.7.
PGC Event type ke. 13km east of Sidney, Bc Vancouver Island, Canada Region.
NEIC Event type fe. Felt [III] at Blaine, Camano Island, Lopez Island and Lynden; [II] at Anacortes, Coupeville, Eastsound, Everson, Friday Harbor, Oak Harbor and Sumas. Felt [III] at Central Saanich, Colwood, Sooke and Victoria; [II] at Abbotsford, Coquitlam, Cowichan Valley, Delta, Duncan, Esquimalt, Highlands, Langley, Maple Ridge, North Cowichan, North Saanich, North Vancouver, Oak Bay, Richmond, Saanich, Sidney, Surrey, Vancouver, West Vancouver and White Rock, British Columbia. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s95.00000°,δ80.00000°,λ-70.00000°.
ANF Error ellipse: s-maj=11.4km s-min=5.8km az=112.0.
ISC XII 28 01 44 40.3–1.6 49.02N–.03 128.71W–.04 2–12 60 1-27
PGC XII 28 01 44 42.5–1.1 49.01N 128.80W 10 3.4W,2.8 **¶602060886**
IDC XII 28 01 44 46.2–2.5 49.32N 128.34W 0 3.6,3.4
ISC Event type ke.
PGC Event type ke. 209km Wsw of Gold R., Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=38.8km s-min=12.0km az=61.0.

(26) Off coast of Washington.

ISC VIII 19 08 07 33.8–.65 47.66N–.03 128.73W–.03 5–3 5.3s,5.1b 1485 0-152
ISCJB VIII 19 08 07 32.9–.39 47.74N–.01 128.66W–.02 4–2 5.3s,5.0b **¶601565888**
PGC VIII 19 08 07 32.1–4.5 47.55N 128.78W 5 5.2W,4.5L
IDC VIII 19 08 07 32.6–.50 47.70N 128.81W 0 5.1,5.1s
BJI VIII 19 08 07 33.5 47.74N 128.95W 8 5.5s,5.2
MOS VIII 19 08 07 33.3–.97 47.76N 128.66W 8 5.3s,5.1b
NEIC VIII 19 08 07 35.8–.11 47.79N 128.62W 10 5.6W,5.5W
GCMT VIII 19 08 07 35.8–.10 47.42N–.01 129.08W–.01 15 5.7W,5.5W
NEIC VIII 19 08 07 36.0–.00 47.57N 128.92W 11 5.7W,5.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=42.3.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 277km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=16.1km s-min=8.3km az=44.0.
MOS Error ellipse: s-maj=6.3km s-min=3.6km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.1km az=46.0. Felt at Auburn, Blaine, Enumclaw, Federal Way, Graham, Oak Harbor, Vancouver and Walla Walla. Also felt at Portland, Oregon and at Victoria, British Columbia. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}0.27 $M_{\theta\theta}$-2.32 $M_{\phi\phi}$2.05 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s306.00000°,δ90.00000°,λ164.00000°. NP2:ϕ_s36.00000°,δ74.00000°,λ0.00000°. Principal axes: T 2.2400,Plg11.0000°,Azm260.0000° ; N 0.3100,Plg74.0000°,Azm126.0000°; P -2.5500,Plg11.0000°,Azm352.0000° $M_0$2.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c188; s136,c348; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.04 $M_{\theta\theta}$-3.45±.04; $M_{\phi\phi}$3.58±.04; $M_{r\theta}$-1.18±.14; $M_{\theta\phi}$-0.14±.04; $M_{\phi r}$-0.54±.12; Best double couple: NP1:ϕ_s43.00000°,δ83.00000° ,λ-19.00000°. NP2:ϕ_s135.00000°,δ71.00000°,λ-173.00000°. Principal axes: T 3.6560,Plg8.0000°,Azm90.0000°; N 0.1820,Plg70.0000°,Azm204.0000° ; P -3.8380,Plg18.0000°,Azm358.0000° $M_0$3.74700×10^{17}
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$-2.64 $M_{\phi\phi}$2.96 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.61 Best double couple: NP1:ϕ_s133.00000° ,δ90.00000°,λ-145.00000°. NP2:ϕ_s43.00000°,δ56.00000°,λ0.00000°. Principal axes: T 3.7100,Plg23.0000°,Azm262.0000°; N -0.5900,Plg55.0000°,Azm133.0000° ; P -3.1200,Plg23.0000°,Azm3.0000° $M_0$3.50000×10^{17}
PGC VIII 19 08 12 25.3–63 47.51N 128.85W 5 4.5W,3.9L
¶601766138
PGC Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0. 283km Wsw of Tofino, Bc Off Coast Of Washington.
ISC VIII 19 08 13 05.1–.82 47.71N–.05 128.74W–.06 10 4.3b 116 0-27
PGC VIII 19 08 13 03.0–35 47.56N 128.69W 5 3.6L,3.6L **¶603302261**
ISCJB VIII 19 08 13 04.6–.49 47.79N–.02 128.60W–.07 10 4.1b,3.6L
IDC VIII 19 08 13 04.4–2.0 47.71N 128.64W 0 4.1,3.8
NEIC VIII 19 08 13 05.4–1.0 47.80N 128.75W 10 4.5b,3.8
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0. 270km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.5km az=179.9.
IDC Error ellipse: s-maj=34.2km s-min=13.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=8.1km az=77.0.
ISC VIII 19 08 33 16.2–1.5 47.78N–.10 128.6W–.10 8 12 3-60
ISCJB VIII 19 08 33 13.7–1.1 47.76N–.07 128.7W–.10 8 2.7b **¶601766141**
IDC VIII 19 08 33 14.5–2.1 47.68N 128.61W 0 3.7L,3.5
NEIC VIII 19 08 33 16.6–1.2 47.82N 128.56W 10 3.0L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.4km az=150.5.
IDC Error ellipse: s-maj=36.2km s-min=14.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.0km az=58.0.
ISC VIII 19 09 14 02.7–1.3 47.73N–.06 128.62W–.10 10 53 2-60
ISCJB VIII 19 09 14 01.2–.75 47.73N–.04 128.53W–.08 10 2.5b **¶601643013**
IDC VIII 19 09 14 02.9–1.9 47.75N 128.25W 0 3.5,3.3
NEIC VIII 19 09 14 03.5–.83 47.79N 128.52W 10 3.0L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.5km az=156.5.
IDC Error ellipse: s-maj=34.3km s-min=13.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=72.0.
ISC VIII 19 09 51 30.6–1.4 47.83N–.06 128.3W–.10 8 31 2-20
ISCJB VIII 19 09 51 28.5–.95 47.78N–.05 128.4W–.10 8 **¶601685253**
IDC VIII 19 09 51 29.7–2.1 47.81N 128.37W 0 3.5,3.4L
NEIC VIII 19 09 51 31.0–1.0 47.85N 128.40W 10 2.9L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=5.5km az=159.4.
IDC Error ellipse: s-maj=36.1km s-min=14.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.0km az=79.0.
ISC VIII 19 10 04 01.2–.32 47.71N–.02 128.64W–.02 10 4.7b,4.2s 560 0-98
PGC VIII 19 10 03 58.1–2.7 47.59N 128.76W 5 4.6W,4.5b **¶601565892**
BJI VIII 19 10 04 00.3 47.80N 128.50W 6 4.9b,4.9s
IDC VIII 19 10 04 00.9–1.0 47.68N 128.58W 0 4.3,4.1
ISCJB VIII 19 10 04 01.1–.15 47.79N–.01 128.52W–.02 10 4.5b,4.2s
GCMT VIII 19 10 04 02.2–.20 47.57N–.01 129.04W–.02 15–1 5.0W,4.2s
NEIC VIII 19 10 04 03.2–.15 47.84N 128.45W 10 4.6W,4.5b
ISC Event type ke.
PGC Event type ke. 272km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=23.8km s-min=10.7km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=146.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s97,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.15 $M_{\theta\theta}$-3.99±.14; $M_{\phi\phi}$3.62±.13; $M_{r\theta}$-1.76±.38; $M_{\theta\phi}$-1.07±.11; $M_{\phi r}$-0.26±.23; Best double couple: NP1:ϕ_s36.00000°,δ77.00000°,λ-14.00000°. NP2:ϕ_s129.00000°,δ76.00000°,λ-166.00000°. Principal axes: T 3.7680,Plg0.0000° ,Azm82.0000°; N 0.9920,Plg71.0000°,Azm173.0000°; P -4.7540,Plg19.0000°,Azm352.0000° $M_0$4.26100×10^{16}
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.4km az=53.0.
ISC VIII 19 20 26 07.3–1.5 47.71N–.05 128.73W–.05 4–11 115 0-20
ISCJB VIII 19 20 26 06.0–.58 47.68N–.03 128.72W–.05 10–5 **¶601605983**
PGC VIII 19 20 26 06.3–5.4 47.63N 128.79W 5 3.4W,2.8L
IDC VIII 19 20 26 07.8–2.9 47.53N 129.29W 0 3.6,3.3L
NEIC VIII 19 20 26 08.6–1.2 47.76N 128.64W 10 3.5W,3.5W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=143.5.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 271km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=57.5km s-min=20.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.8km az=64.0.
PGC VIII 19 23 58 17.9–1.1 47.77N 128.74W 5 3.5W,2.9L
NEIC VIII 19 23 58 18.4–1.9 47.70N 128.57W 10 3.9b,3.5W **¶601605984**
PGC Event type ke. 258km Wsw of Tofino, Bc Off Coast Of Washington.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=5.3km az=52.0.
ISC VIII 23 08 36 58.9–1.4 47.73N–.04 128.70W–.05 2–11 4.2b,3.5s 232 0-91
PGC VIII 23 08 36 57.1–6.0 47.56N 128.82W 5 3.9W,3.2L **¶601614678**
IDC VIII 23 08 37 01.4–1.9 47.76N 128.48W 0 3.8,3.6
NEIC VIII 23 08 37 05.8–.52 47.94N 128.16W 10 4.1b,3.6
BJI VIII 23 08 37 05.8 47.90N 127.90W 10 4.6b,3.6
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 278km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=32.3km s-min=13.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=77.0.
ISC XII 31 02 07 25.2–1.1 47.81N–.06 128.44W–.10 8 3.6b 87 3-27
IDC XII 31 02 07 23.8–1.9 47.71N 128.38W 0 3.8,3.6 **¶602342431**
NEIC XII 31 02 07 27.5–1.0 47.92N 128.20W 10 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=13.4km az=66.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.3km az=76.0.

(28) Washington-Oregon border region.

ISC IX 08 04 57 43.1–1.3 45.14N–.02 122.67W–.02 3–11 81 0-6
ISCJB IX 08 04 57 44.3–.56 45.13N–.01 122.67W–.03 8–4 **¶601699569**
NEIC IX 08 04 57 45.2–.00 45.12N 122.69W 23 3.5L
PNSN IX 08 04 57 45.2 45.12N 122.69W 24 3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=178.6.
NEIC Event type fe. Felt [III] at Aurora, Clackamas, Fairview, Gladstone, Hubbard, Lake Oswego, Molalla and Portland. Felt in much of the Portland-Salem area. Also felt in the Vancouver area, Washington. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s45.00000°,δ45.00000°,λ70.00000°.

(29) Washington.

ISC X 09 03 00 52.9–1.1 47.11N–.02 121.10W–.02 6–9 59 0-5
ISCJB X 09 03 00 52.2–.43 47.13N–.02 121.09W–.02 2–3 **¶601997596**
NEIC X 09 03 00 53.2–.00 47.10N 121.11W 2 2.6L
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=19.5.
NEIC Event type fe. Felt at Tacoma. After SEA.
NEIC XI 07 15 05 27.0–.00 47.88N 121.65W 8 1.8
¶606804551
NEIC Event type fe. Felt at Gold Bar. After SEA.
ISC XII 09 14 38 32.5–1.1 48.90N–.02 122.66W–.02 11–9 76 0-6
ISCJB XII 09 14 38 33.6–.42 48.84N–.02 122.62W–.03 14–3 **¶602033963**
NEIC XII 09 14 38 34.0–.00 48.82N 122.61W 17 2.6L
PGC XII 09 14 38 34.4–1.1 48.82N 122.59W 20–0 2.5L,2.1L

ANF XII 09 14 38 34.6–.73 48.77N 122.64W 15–3 2.2L,2.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=22.6.
NEIC Event type fe. Felt at Ferndale. After SEA.
PGC Event type ke. 31km Sse of Langley, Bc Washington.
ANF Error ellipse: s-maj=7.6km s-min=5.5km az=30.0.

SEISMIC REGION 3.
California-Nevada Region.

(30) Off coast of Oregon.

ISC VII 06 17 50 28.3–.54 43.49N–.05 127.50W–.06 15 4.7b,3.8s 409 2-99
IDC VII 06 17 50 25.6–.83 43.60N 127.39W 0 4.2,4.0 **¶601243324**
BJI VII 06 17 50 25.8 43.60N 127.40W 10 5.1b,4.9b
ISCJB VII 06 17 50 27.6–.19 43.63N–.01 127.41W–.02 15 4.6b,3.8s
NEIC VII 06 17 50 28.6–.20 43.65N 127.45W 10 4.6b,3.8s
GCMT VII 06 17 50 28.6–.50 43.45N 127.77W 24–2 4.8W,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=10.3km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=1.8km az=146.4.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=1.8km az=54.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s7,c8; s73,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.17 $M_{\theta\theta}$-2.29±.15; $M_{\phi\phi}$1.79±.11; $M_{r\theta}$-0.25±.32; $M_{\theta\phi}$-0.87±.10; $M_{\phi r}$-0.13±.23; Best double couple: NP1:ϕ_s33.00000°,δ88.00000° ,λ-6.00000°. NP2:ϕ_s124.00000°,δ84.00000°,λ-178.00000°. Principal axes: T 1.9720,Plg3.0000°,Azm79.0000°; N 0.5210,Plg84.0000°,Azm198.0000° ; P -2.4920,Plg5.0000°,Azm348.0000° $M_0$2.23200×10^{16}
ISC VII 12 10 19 36.2–1.1 44.03N–.07 128.59W–.09 13 3.4b,3.0s 37 4-77
ISCJB VII 12 10 19 34.6–.77 44.04N–.06 128.57W–.07 13 3.2b,3.0s **¶601625040**
IDC VII 12 10 19 34.6–1.9 44.11N 128.54W 0 3.6,3.4
NEIC VII 12 10 19 36.6–1.1 44.13N 128.55W 10 3.0L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=35.8.
IDC Error ellipse: s-maj=53.5km s-min=15.5km az=47.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.4km az=56.0.
ISC VII 21 00 34 24.6–1.0 44.06N–.07 128.63W–.09 15 4.0b,3.1s 92 3-87
IDC VII 21 00 34 19.3–1.7 44.19N 128.72W 0 3.7,3.5 **¶601453735**
NEIC VII 21 00 34 22.0–1.1 44.12N 128.90W 10 4.0b,3.5
ISCJB VII 21 00 34 23.1–.66 44.12N–.04 128.57W–.07 15 3.8b,3.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 25 22 24 16.4–.81 44.16N–.07 129.07W–.08 13 4.1b,3.7s 209 4-92
IDC VII 25 22 24 12.2–1.4 43.90N 129.43W 0 4.0,3.8 **¶601472502**
ISCJB VII 25 22 24 14.8–.42 44.17N–.02 129.13W–.05 13 4.0b,3.7s
NEIC VII 25 22 24 16.1–.49 44.20N 129.24W 10 4.2b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=14.4km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=161.5.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=66.0.
ISC VII 29 15 07 32.0–.75 44.03N–.07 128.93W–.07 15 4.1b,3.5s 173 4-92
IDC VII 29 15 07 29.5–1.7 44.15N 128.96W 0 3.9,3.7 **¶601484833**
ISCJB VII 29 15 07 31.2–.34 44.14N–.03 128.84W–.04 15 4.1b,3.5s
NEIC VII 29 15 07 31.6–.30 44.10N 128.94W 10 4.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=15.3km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=136.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.3km az=49.0.
ISC VIII 08 17 45 34.1–.34 44.42N–.04 128.52W–.03 10 4.8b,4.6s 743 3-99
BJI VIII 08 17 45 28.3 43.95N 128.19W 10 5.2b,5.1s **¶601532914**
ISCJB VIII 08 17 45 31.5–.18 44.46N–.02 128.56W–.03 10 4.7b,4.6s
MOS VIII 08 17 45 32.8–2.0 44.45N 128.38W 10 5.0b,4.7s
NEIC VIII 08 17 45 33.3–.25 44.45N 128.62W 10 4.9b,4.7s
IDC VIII 08 17 45 33.5–.84 43.70N 129.50W 0 4.5,4.5
GCMT VIII 08 17 45 39.3–.10 44.20N–.01 129.83W–.01 12 5.3W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c115; s122,c235;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$-0.73±.01; $M_{\phi\phi}$0.82±.01; $M_{r\theta}$-0.06±.03; $M_{\theta\phi}$-0.67±.01; $M_{\phi r}$-0.00±.03; Best double couple: NP1:ϕ_s115.00000°,δ88.00000° ,λ-177.00000°. NP2:ϕ_s25.00000°,δ87.00000°,λ-2.00000°. Principal axes: T 1.0710,Plg1.0000°,Azm250.0000°; N -0.0860,Plg87.0000°,Azm145.0000° ; P -0.9850,Plg3.0000°,Azm340.0000° $M_0$1.02800×10^{17}
ISC VIII 09 04 18 18.1–.53 44.56N–.07 129.57W–.07 13 4.5b,3.8s 383 4-96
BJI VIII 09 04 18 13.3 44.13N 129.35W 10 5.3b,4.8b **¶601532924**
IDC VIII 09 04 18 14.7–.76 44.51N 129.60W 0 4.0,3.9
ISCJB VIII 09 04 18 16.4–.24 44.57N–.02 129.59W–.03 13 4.3b,3.8s
GCMT VIII 09 04 18 17.2–.50 44.29N–.02 129.85W–.03 18–2 4.8W,3.8s
NEIC VIII 09 04 18 18.3–.36 44.60N 129.59W 10 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.3km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.4km az=137.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c14; s79,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.09±.14 $M_{\theta\theta}$-1.70±.11; $M_{\phi\phi}$1.61±.11; $M_{r\theta}$-0.59±.26; $M_{\theta\phi}$-1.00±.08; $M_{\phi r}$0.09±.23; Best double couple: NP1:ϕ_s120.00000°,δ86.00000°,λ-164.00000°. NP2:ϕ_s29.00000°,δ74.00000°,λ-4.00000°. Principal axes: T 1.9230,Plg8.0000° ,Azm253.0000°; N 0.1930,Plg74.0000°,Azm135.0000°; P -2.1160,Plg14.0000° ,Azm345.0000° $M_0$2.01900×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=218.0.
ISC VIII 18 04 33 05.4–1.7 43.31N–.10 126.8W–.10 10 3.1b 22 2-24
ISCJB VIII 18 04 33 03.4–1.1 43.34N–.07 126.8W–.10 10 3.1b **¶601766027**
IDC VIII 18 04 33 03.4–2.0 43.32N 126.71W 0 3.4,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.0km az=138.6.
IDC Error ellipse: s-maj=30.8km s-min=13.5km az=57.0.
ISC VIII 22 23 43 21.9–1.8 42.45N–.05 126.6W–.10 12 2.8s 51 2-25
ISCJB VIII 22 23 43 19.7–.88 42.46N–.04 126.70W–.08 12 3.1b,2.9s **¶601734396**
NEIC VIII 22 23 43 21.1–1.9 42.46N 126.69W 10 2.8L,2.9s
IDC VIII 22 23 43 24.5–3.2 42.71N 126.03W 0 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.7km az=3.9.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=8.0km az=85.0.
IDC Error ellipse: s-maj=57.8km s-min=22.3km az=49.0.
ISC IX 14 20 24 22.6–.49 44.11N–.05 128.97W–.06 15 4.8b,3.9s 606 4-145
GCMT IX 14 20 24 19.9–.30 43.93N–.02 129.34W–.02 19–1 4.9W,3.9s **¶601717556**
ISCJB IX 14 20 24 21.1–.17 44.14N–.02 128.95W–.02 15 4.7b,3.9s
IDC IX 14 20 24 21.4–1.3 44.16N 128.75W 0 4.5,4.2
NEIC IX 14 20 24 21.9–.20 44.13N 129.07W 10 4.7b,4.2
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s91,c124;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11±.15 $M_{\theta\theta}$-0.97±.11; $M_{\phi\phi}$2.09±.12; $M_{r\theta}$-1.05±.24; $M_{\theta\phi}$-2.03±.08; $M_{\phi r}$0.74±.20; Best double couple: NP1:ϕ_s114.00000°,δ79.00000°,λ-147.00000°. NP2:ϕ_s17.00000°,δ57.00000°,λ-13.00000°. Principal axes: T 3.3890,Plg14.0000° ,Azm242.0000°; N -1.0290,Plg55.0000°,Azm130.0000°; P -2.3550,Plg31.0000° ,Azm341.0000° $M_0$2.87200×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=1.7km az=139.5.
IDC Error ellipse: s-maj=27.5km s-min=13.6km az=41.0.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=46.0.
ISC IX 17 02 50 42.8–2.8 42.51N–.04 125.97W–.06 5–18 4.1b,3.4s 138 2-93
IDC IX 17 02 50 42.9–1.8 42.51N 125.85W 0 3.8,3.6 **¶601734506**
NEIC IX 17 02 50 43.2–.83 42.47N 126.06W 10 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=12.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.7km az=75.0.
ISC IX 26 07 42 42.6–1.1 43.07N–.06 126.32W–.06 18–4 4.5b,3.9s 421 2-128
ISCJB IX 26 07 42 40.0–.83 43.16N–.02 126.34W–.03 7–5 4.4b,3.8s **¶601740414**
IDC IX 26 07 42 39.4–.62 43.21N 126.31W 0 4.2,4.1
GCMT IX 26 07 42 41.2–.30 43.02N–.02 126.69W–.02 12–1 4.8W,4.1
NEIC IX 26 07 42 42.1–.26 43.18N 126.41W 10 4.5b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.4km az=164.3.
IDC Error ellipse: s-maj=17.1km s-min=9.1km az=33.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s5,c6; s88,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.08 $M_{\theta\theta}$-1.34±.07; $M_{\phi\phi}$1.50±.07; $M_{r\theta}$-1.06±.28; $M_{\theta\phi}$-1.24±.06; $M_{\phi r}$0.19±.18; Best double couple: NP1:ϕ_s116.00000°,δ84.00000°,λ-151.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ-7.00000°. Principal axes: T 2.1140,Plg15.0000° ,Azm246.0000°; N 0.1180,Plg60.0000°,Azm127.0000°; P -2.2330,Plg25.0000° ,Azm343.0000° $M_0$2.17300×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=62.0. Felt at Coquille.
ISC IX 29 06 17 07.6–.74 44.16N–.06 127.60W–.06 10 4.5b 120 3-87
IDC IX 29 06 16 57.8–1.9 43.84N 128.45W 0 3.7,3.6 **¶601767108**
ISCJB IX 29 06 17 06.2–.55 44.18N–.03 127.62W–.06 10 4.4b,2.7s
NEIC IX 29 06 17 06.7–.92 44.19N 127.85W 10 4.2b,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=15.8km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=156.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.3km az=78.0.
ISC X 03 02 12 45.6–1.0 44.37N–.08 129.49W–.10 13 3.9b 73 4-82
IDC X 03 02 12 42.0–1.8 44.01N 129.78W 0 3.7,3.6L **¶606767956**
ISCJB X 03 02 12 44.6–.81 44.33N–.05 129.41W–.10 13 3.6b,3.5s
NEIC X 03 02 12 46.1–.85 44.36N 129.45W 10 3.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=18.4km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=168.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.2km az=71.0.
ISC X 03 02 13 09.5–.62 44.33N–.05 129.03W–.06 10 4.5b,4.1s 222 4-96
IDC X 03 02 13 05.3–1.0 44.27N 129.25W 0 4.1,4.0b **¶601996877**
GCMT X 03 02 13 08.0–.30 44.09N–.02 129.42W–.02 18–0 4.9W,4.0b
ISCJB X 03 02 13 10.8–.33 44.41N–.02 128.82W–.04 10 4.5b,4.1s
NEIC X 03 02 13 10.0–.48 44.44N 129.23W 10 4.3b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=12.5km az=40.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s86,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.63±.17 $M_{\theta\theta}$-0.29±.12; $M_{\phi\phi}$2.92±.12; $M_{r\theta}$0.50±.32; $M_{\theta\phi}$-1.76±.08; $M_{\phi r}$-0.30±.23; Best double couple: NP1:ϕ_s325.00000°,δ50.00000° ,λ-105.00000°. NP2:ϕ_s168.00000°,δ42.00000°,λ-73.00000°. Principal axes: T 3.7330,Plg4.0000°,Azm66.0000°; N -0.9970,Plg11.0000°,Azm335.0000° ; P -2.7330,Plg78.0000°,Azm176.0000° $M_0$3.23300×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=147.6.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=60.0.
ISC X 03 07 40 09.6–1.7 44.31N–.09 129.0W–.10 10 3.4b,3.1s 36 4-59
ISCJB X 03 07 40 07.7–1.0 44.29N–.06 128.92W–.09 10 3.4b,3.1s **¶601996903**
IDC X 03 07 40 08.7–2.4 44.38N 128.90W 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.5km az=44.1.
IDC Error ellipse: s-maj=39.6km s-min=17.3km az=55.0.
IDC X 03 08 03 06.0–11 43.11N 128.00W 0 3.9L,3.4
¶601996908
IDC Error ellipse: s-maj=133.5km s-min=61.8km az=112.0.
ISC X 03 08 16 38.5–.41 44.26N–.05 129.12W–.05 10 4.8b,3.9s 820 4-129
IDC X 03 08 16 36.6–.65 44.32N 129.10W 0 4.6,4.5 **¶601779584**
MOS X 03 08 16 37.1–.90 44.37N 129.16W 10 5.0b,4.5
ISCJB X 03 08 16 37.3–.17 44.32N–.02 129.10W–.02 10 4.7b,4.0s
BJI X 03 08 16 37.1 44.40N 129.00W 10 5.2b,5.0b
GCMT X 03 08 16 39.6–.20 44.18N–.01 129.43W–.01 12 5.0W,5.0b
NEIC X 03 08 16 39.6–.22 44.31N 129.19W 10 4.7b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=10.3km az=31.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.8km az=44.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c55; s102,c166;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.67±.09 $M_{\theta\theta}$-0.59±.09; $M_{\phi\phi}$3.26±.07; $M_{r\theta}$2.12±.29; $M_{\theta\phi}$-2.34±.07; $M_{\phi r}$-0.40±.23; Best double couple: NP1:ϕ_s305.00000°,δ64.00000° ,λ-129.00000°. NP2:ϕ_s186.00000°,δ46.00000°,λ-38.00000°. Principal axes: T 4.6010,Plg11.0000°,Azm62.0000°; N -0.4820,Plg34.0000°,Azm324.0000° ; P -4.1180,Plg54.0000°,Azm166.0000° $M_0$4.36000×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.1km az=223.0.
ISC X 05 20 51 25.0–2.1 43.72N–.05 128.0W–.10 10 107 3-60
ISCJB X 05 20 51 22.7–.65 43.76N–.03 128.03W–.06 10 2.7b **¶601794190**
IDC X 05 20 51 24.5–3.4 43.86N 127.79W 0 3.7L,3.5
NEIC X 05 20 51 25.4–1.1 43.77N 127.96W 10 3.2L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=159.2.
IDC Error ellipse: s-maj=46.2km s-min=20.5km az=68.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.5km az=82.0.
ISC X 05 23 07 36.7–1.3 42.54N–.04 126.12W–.08 10 3.4b,3.2s 53 2-71
ISCJB X 05 23 07 35.3–.76 42.57N–.03 126.15W–.07 10 3.4b,3.2s **¶601834606**
NEIC X 05 23 07 35.8–1.0 42.53N 126.27W 10 3.2L,3.2s
IDC X 05 23 07 38.1–2.9 43.05N 125.61W 0 3.8,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.9km az=172.8.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.9km az=79.0.
IDC Error ellipse: s-maj=58.1km s-min=23.1km az=39.0.
ISC X 26 14 18 20.1–4.7 42.04N–.05 126.76W–.06 10–29 4.0b,3.6s 109 2-98
ISCJB X 26 14 18 18.9–1.0 42.05N–.03 126.83W–.04 11–7 3.9b,3.6s **¶601999745**
IDC X 26 14 18 18.7–.85 42.15N 126.77W 0 4.1,4.0
NEIC X 26 14 18 20.1–.53 42.04N 126.90W 10 3.3L,4.0
GCMT X 26 14 18 22.1–.40 42.08N–.06 127.10W–.04 21–1 4.7W,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s61,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.16 $M_{\theta\theta}$0.33±.09; $M_{\phi\phi}$1.41±.10; $M_{r\theta}$-0.04±.23; $M_{\theta\phi}$0.06±.05; $M_{\phi r}$-0.24±.14; Best double couple: NP1:ϕ_s4.00000°,δ49.00000°,λ-89.00000°. NP2:ϕ_s182.00000°,δ41.00000°,λ-91.00000°. Principal axes: T 1.4310,Plg4.0000° ,Azm93.0000°; N 0.3270,Plg1.0000°,Azm183.0000°; P -1.7580,Plg86.0000°,Azm284.0000° $M_0$1.59500×10^{16}
ISC XI 07 13 06 57.3–1.7 44.6N–.10 129.2W–.20 10 4.6b 57 4-30
ISCJB XI 07 13 06 56.2–1.0 44.64N–.06 129.2W–.10 10 4.6b **¶601879556**
NEIC XI 07 13 06 58.1–1.0 44.67N 129.22W 10 4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.5km az=160.4.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.3km az=53.0.
ANF XII 02 01 17 57.7–1.1 43.36N 127.16W 3.8L
¶605737272
ANF Error ellipse: s-maj=12.7km s-min=6.0km az=34.0.
ANF XII 05 01 01 44.0–2.5 43.26N 127.17W 3.7L
¶605737305
ANF Error ellipse: s-maj=26.6km s-min=11.8km az=72.0.

(34) Off coast of northern California.

ISC VII 21 01 52 02.9–.69 40.44N–.03 125.28W–.04 11–3 5.0b,4.4s 863 1-153
BJI VII 21 01 51 58.7 40.40N 125.50W 10 5.5b,5.1b **¶601453738**
ISCJB VII 21 01 52 00.0–.53 40.41N–.01 125.30W–.02 1–3 5.0b,4.4s
NEIC VII 21 01 52 01.7–.00 40.39N 125.53W 25 5.1W,5.0b
GCMT VII 21 01 52 01.7–.20 40.39N 125.45W 17–0 5.2W,5.0b
IDC VII 21 01 52 01.5–.50 40.53N 125.23W 0 4.7,4.6
MOS VII 21 01 52 02.8–1.1 40.36N 125.23W 22 5.1b,4.5s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=151.9.
NEIC Event type fe. Felt [II] at Arcata, Eureka, McKinleyville and Whitethorn. Also felt at Bayside, Ferndale, Fort Bragg, Petrolia, Samoa and Salyer. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{16}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s76,c106; s124,c236; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04±.13 $M_{\theta\theta}$-1.50±.12; $M_{\phi\phi}$2.54±.12; $M_{r\theta}$0.68±.30; $M_{\theta\phi}$-6.89±.11; $M_{\phi r}$0.31±.31; Best double couple: NP1:ϕ_s278.00000°,δ86.00000° ,λ-174.00000°. NP2:ϕ_s188.00000°,δ84.00000°,λ-4.00000°. Principal axes: T 7.7030,Plg1.0000°,Azm53.0000°; N -0.9490,Plg83.0000°,Azm315.0000° ; P -6.7540,Plg7.0000°,Azm143.0000° $M_0$7.22800×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=8.4km az=17.0.
MOS Error ellipse: s-maj=5.0km s-min=4.2km az=99.0.

ISC	**VII**	**21 06 04 24.1–1.2**	**40.40N–.04**	**125.17W–.05**	**15–6**	**4.9b,4.8s**	**633**	**1-101**
ISCJB	VII	21 06 04 20.6–.55	40.40N–.01	125.21W–.02	1–3	4.9b,4.8s		**¶601453745**
BJI	VII	21 06 04 20.3	40.40N	125.30W	6	5.4b,5.3		
NEIC	VII	21 06 04 21.2–.00	40.41N	125.33W	6	5.2W,4.9b		
GCMT	VII	21 06 04 21.2–.20	40.41N	125.38W	19–0	5.4W,4.9b		
IDC	VII	21 06 04 21.5–.61	40.36N	125.20W	0	4.7s,4.7		
MOS	VII	21 06 04 22.4–.99	40.38N	125.14W	14	5.0b,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=152.3.
NEIC Event type fe. Felt [IV] at Petrolia; [III] at Bayside, Eureka, Ferndale, Rio Dell, Samoa, Trinidad and Whitethorn; [II] at Arcata, Fortuna, McKinleyville and Scotia. Also felt at Garberville, Hydesville, Kneeland, Mendocino, Redcrest and Willow Creek. After NCEDC. Moment Tensor Solution. $M_0$7.60000×10^{16}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s59,c87; s119,c220; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35±.04 $M_{\theta\theta}$-0.03±.03; $M_{\phi\phi}$0.38±.03; $M_{r\theta}$0.05±.07; $M_{\theta\phi}$-1.49±.03; $M_{\phi r}$0.03±.07; Best double couple: NP1:ϕ_s274.00000°,δ88.00000° ,λ-177.00000°. NP2:ϕ_s184.00000°,δ87.00000°,λ-2.00000°. Principal axes: T 1.6810,Plg0.0000°,Azm49.0000°; N -0.3490,Plg86.0000°,Azm315.0000° ; P -1.3310,Plg4.0000°,Azm139.0000° $M_0$1.50600×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=8.0km az=15.0.
MOS Error ellipse: s-maj=5.4km s-min=4.7km az=116.4.

ISC	**VII**	**23 08 57 42.9–2.0**	**40.41N–.04**	**125.32W–.08**	**12–11**		**87**	**1-7**
NEIC	VII	23 08 57 44.8–.00	40.39N	125.38W	27	3.5W		**¶601497866**

ISC Event type se.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$2.10000×10^{14}

ISC	**VIII**	**09 15 24 26.8–1.5**	**40.78N–.04**	**125.08W–.06**	**17–9**	**4.6b,3.4s**	**645**	**1-98**
ISCJB	VIII	09 15 24 25.3–.50	40.74N–.01	125.10W–.03	20–3	4.5b,3.3s		**¶601533527**
IDC	VIII	09 15 24 25.6–.68	40.97N	124.91W	0	4.2,4.1		
NEIC	VIII	09 15 24 26.7–.00	40.76N	125.20W	25	4.7b,4.4W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.9km az=167.2.
IDC Error ellipse: s-maj=14.3km s-min=8.6km az=179.0.
NEIC Event type fe. Felt [II] at Arcata, Eureka, Ferndale and Fortuna. Also felt at Samoa. After NCEDC. Moment Tensor Solution. $M_0$4.70000×10^{15}

ISC	**IX**	**26 05 53 31.8–2.2**	**41.11N–.04**	**125.23W–.09**	**9–12**		**110**	**1-22**
IDC	IX	26 05 53 33.3–3.8	41.16N	125.01W	0	3.7,3.6L		**¶601864192**
NEIC	IX	26 05 53 34.0–.00	41.08N	125.28W	26	3.8W,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=43.3km s-min=23.3km az=112.0.
NEIC Event type fe. Felt at Arcata and Eureka. After NCEDC. Moment Tensor Solution. $M_0$7.10000×10^{14}

ISC	**X**	**14 16 53 06.3–1.8**	**40.64N–.05**	**125.15W–.07**	**14–10**		**110**	**1-81**
IDC	X	14 16 53 05.9–1.6	40.70N	125.00W	0	3.8,3.6b		**¶601843586**
NEIC	X	14 16 53 07.4–.00	40.65N	125.27W	23	4.0W,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=14.1km az=62.0.
NEIC Event type fe. Felt at Arcata. After NCEDC. Moment Tensor Solution. $M_0$1.30000×10^{15}

ISC	**X**	**31 13 00 16.6–.91**	**41.96N–.06**	**126.91W–.08**	**10**	**3.8b,3.0s**	**85**	**2-90**
ISCJB	X	31 13 00 15.2–.57	41.95N–.03	126.91W–.06	10	3.9b,3.0s		**¶601867021**
NEIC	X	31 13 00 15.0–.89	41.80N	127.05W	10	4.2b,3.0s		
IDC	X	31 13 00 19.6–1.4	42.48N	126.32W	0	3.8,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=159.2.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=5.2km az=67.0. Felt at North Bend, Oregon.
IDC Error ellipse: s-maj=25.2km s-min=12.8km az=43.0.

ISC	**XI**	**13 23 50 02.1–2.3**	**40.49N–.05**	**125.9W–.10**	**13**		**90**	**1-11**
NCEDC	XI	13 23 50 03.2	40.45N	125.97W	23			**¶601902265**
NEIC	XI	13 23 50 03.2–.00	40.45N	125.97W	23	3.5L		
ANF	XI	13 23 50 06.0–1.2	40.56N	125.63W	20	3.6L		

ISC Event type se.
NEIC Event type se. After NCEDC.
ANF Error ellipse: s-maj=12.8km s-min=6.0km az=67.0.

ISC	**XI**	**18 06 53 03.8–2.0**	**40.64N–.04**	**125.21W–.07**	**6–11**		**68**	**1-12**
ISCJB	XI	18 06 53 02.4–.77	40.64N–.03	125.23W–.05	9–4			**¶601992660**
ANF	XI	18 06 53 03.1–1.4	40.62N	125.22W	10	3.3L		
NCEDC	XI	18 06 53 05.3	40.63N	125.16W	9	3.7W		
NEIC	XI	18 06 53 05.3–.00	40.63N	125.16W	9	3.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=159.0.
ANF Error ellipse: s-maj=15.5km s-min=6.6km az=49.0.
NEIC Event type fe. Felt at Fort Bragg. After NCEDC. Moment Tensor Solution. $M_0$4.70000×10^{14}

ISC	**XII**	**05 22 49 30.6–.56**	**38.83N–.05**	**127.05W–.06**	**10**	**4.4b,3.6s**	**336**	**3-151**
IDC	XII	05 22 49 27.7–.73	38.75N	127.22W	0	4.3,4.2		**¶602077248**
ISCJB	XII	05 22 49 28.8–.32	38.70N–.02	127.06W–.04	10	4.2b,3.6s		
NEIC	XII	05 22 49 29.2–.34	38.73N	127.18W	10	4.4b,3.6s		
ANF	XII	05 22 49 32.5–.52	38.83N	126.75W		4.2L,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.8km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=144.8.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=212.0.
ANF Error ellipse: s-maj=7.1km s-min=2.5km az=79.0.

ISC	**XII**	**19 13 58 22.6–1.3**	**40.70N–.08**	**127.23W–.09**	**16**	**3.5b,3.0s**	**84**	**2-76**
ISCJB	XII	19 13 58 20.7–.63	40.70N–.03	127.22W–.06	16	3.5b,3.0s		**¶602216205**
NEIC	XII	19 13 58 21.4–.90	40.68N	127.21W	10	4.2b,3.0s		
IDC	XII	19 13 58 21.2–1.9	40.84N	127.20W	0	3.9,3.7		
ANF	XII	19 13 58 23.7–1.6	40.77N	126.91W		3.5L,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=157.7.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.8km az=63.0.
IDC Error ellipse: s-maj=33.4km s-min=15.6km az=29.0.
ANF Error ellipse: s-maj=16.6km s-min=9.8km az=64.0.

(35) Near coast of northern California.

ISC	**VII**	**01 10 05 53.2–.94**	**39.79N–.02**	**123.33W–.03**	**9–8**		**97**	**0-17**
ISCJB	VII	01 10 05 52.7–.32	39.81N–.02	123.35W–.04	4–4			**¶602540360**
NEIC	VII	01 10 05 53.0–.00	39.78N	123.35W	11	3.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=165.2.
NEIC Event type fe. Felt at Arcata, Laytonville and Magalia. After NCEDC. Moment Tensor Solution. $M_0$2.70000×10^{14}

ISC	**VII**	**08 12 05 49.8–1.0**	**39.51N–.02**	**123.67W–.04**	**10–6**	**4.2b**	**156**	**0-92**
ISCJB	VII	08 12 05 47.4–.50	39.46N–.02	123.86W–.05	8–2	4.0b		**¶601244236**
IDC	VII	08 12 05 47.8–2.5	39.48N	123.22W	0	3.7,3.6		
NEIC	VII	08 12 05 48.5–.00	39.48N	123.80W	8	4.4W,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=2.5km az=164.8.
IDC Error ellipse: s-maj=38.8km s-min=12.7km az=40.0.
NEIC Event type fe. Felt [IV] at Fort Bragg; [III] at Albion, Caspar, Comptche, Littleriver, Mendocino and Westport; [II] at Laytonville and Willits. Also felt at Branscomb, Calistoga, Clearlake Oaks, Kelseyville, Leggett, Manchester, McKinleyville, Petrolia, Philo, Point Arena, Potter Valley and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{15}

ISC	**IX**	**14 11 53 16.9–1.1**	**40.49N–.03**	**124.10W–.04**	**16–7**	**4.3b,3.6s**	**401**	**0-98**
BJI	IX	14 11 53 15.0	40.40N	124.20W	24	5.4b,5.1b		**¶601715697**
IDC	IX	14 11 53 16.3–4.2	40.59N	124.03W	12–22	4.2,4.1		
NEIC	IX	14 11 53 17.5–.00	40.44N	124.19W	27	4.4W,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=12.6km az=54.0.
NEIC Event type fe. Felt [IV] at Fortuna, Hydesville and Scotia; [III] at Bayside, Carlotta, Eureka, Ferndale, Garberville, Loleta, Petrolia, Redway, Rio Dell and Whitethorn; [II] at Arcata, Kneeland, Myers Flat and Samoa. Also felt at Blue Lake, Bridgeville, Hoopa, McKinleyville, Mendocino, Piercy, Redcrest, Santa Rosa, Trinity Center and Willits. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{15}

ISC	**IX**	**14 18 19 51.0–.97**	**40.42N–.03**	**124.16W–.05**	**28–9**		**195**	**0-15**
ISCJB	IX	14 18 19 50.0–.31	40.46N–.01	124.21W–.04	34–7			**¶601734489**
NEIC	IX	14 18 19 50.9–.00	40.44N	124.16W	27	4.0W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.1km az=169.2.
NEIC Event type fe. Felt [III] at Ferndale, Fortuna and Rio Dell; [II] at Eureka. Also felt at Arcata, Carlotta, Hydesville, Loleta, Petrolia, Redcrest and Scotia. After NCEDC. Moment Tensor Solution. $M_0$1.10000×10^{15}

ISC	**IX**	**22 02 55 24.0–1.2**	**40.47N–.03**	**124.45W–.06**	**31–8**		**102**	**0-7**
NEIC	IX	22 02 55 24.8–.00	40.47N	124.43W	24	3.5W		**¶601736785**

ISC Event type fe.
NEIC Event type fe. Felt [III] at Petrolia and [II] at Eureka. Also felt at Ferndale. After NCEDC. Moment Tensor Solution. $M_0$2.30000×10^{14}

ISC	**IX**	**25 15 15 10.1–.52**	**39.11N–.03**	**123.24W–.03**	**10**	**4.2b,4.0s**	**147**	**0-96**
ISCJB	IX	25 15 15 08.7–.29	39.11N–.02	123.24W–.04	10	4.3b,3.8s		**¶601739656**
IDC	IX	25 15 15 09.8–1.3	39.24N	123.21W	0	4.0b,4.0		
NEIC	IX	25 15 15 09.9–.00	39.17N	123.17W	12	4.5W,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.0km az=152.9.
IDC Error ellipse: s-maj=21.8km s-min=12.6km az=45.0.
NEIC Event type fe. Felt [V] at Redwood Valley; [IV] at Boonville, Hopland, Ukiah, Upper Lake and Witter Springs; [III] at Comptche, Lakeport, Littleriver, Nice, Philo, Potter Valley and Willits. Felt as far as the San Francisco Bay area and Garberville. After NCEDC. Moment Tensor Solution. $M_0$7.40000×10^{15}

ISC	**X**	**23 07 45 51.1–1.5**	**40.32N–.03**	**124.71W–.08**	**20–5**		**81**	**0-12**
ISCJB	X	23 07 45 50.6–.79	40.32N–.02	124.71W–.06	28–5			**¶601845997**
NEIC	X	23 07 45 52.1–.00	40.30N	124.53W	9	3.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.5km az=173.9.
NEIC Event type fe. Felt at Eureka. After NCEDC. Moment Tensor Solution. $M_0$4.30000×10^{14}

ISC	**XII**	**12 15 49 47.3–2.0**	**40.30N–.04**	**124.70W–.09**	**25–15**		**65**	**1-9**
ANF	XII	12 15 49 49.7–1.5	40.55N	124.27W		3.0L		**¶602043232**
NEIC	XII	12 15 49 50.0–.00	40.30N	124.50W	20	3.5W		
NCEDC	XII	12 15 49 50.0	40.30N	124.50W	20	3.5W		

ISC Event type fe.
ANF Error ellipse: s-maj=13.9km s-min=4.8km az=60.0.
NEIC Event type fe. Felt [II] at Ferndale, Fortuna and Petrolia. Also felt at Eureka and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$2.40000×10^{14}

ISC	**XII**	**19 12 02 21.9–1.7**	**40.31N–.03**	**124.52W–.07**	**27–13**		**67**	**1-22**
IDC	XII	19 12 02 20.1–2.5	40.41N	124.41W	0	3.7,3.4		**¶602355635**
ANF	XII	19 12 02 21.3–.79	40.40N	124.30W		3.5L,3.4		
NEIC	XII	19 12 02 23.8–.00	40.28N	124.36W	19	3.8W,3.4		
NCEDC	XII	19 12 02 23.8	40.28N	124.36W	19	3.8W,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=13.0km az=96.0.
ANF Error ellipse: s-maj=8.3km s-min=4.9km az=79.0.
NEIC Event type fe. Felt [II] at Eureka. Also felt at Fortuna and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$6.10000×10^{14}

(36) Northern California.

ISC	**VII**	**09 00 01 19.0–.66**	**38.81N–.02**	**122.81W–.03**	**8**		**97**	**0-86**
NEIC	VII	09 00 01 16.9–.00	38.83N	122.79W	0	3.9W,3.9b		**¶601456890**
ISCJB	VII	09 00 01 18.4–.27	38.79N–.02	122.79W–.03	8	4.2b,3.2s		
IDC	VII	09 00 01 19.3–1.9	38.73N	122.88W	0	3.9,3.6		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Middletown and [II] at Calistoga and Sonoma. Also felt at Carmichael, Clearlake Oaks, Cloverdale, Cotati, Geyserville, Healdsburg, Kelseyville, Martinez, Mendocino, Napa, Petaluma, Pope Valley, Redding, Sacramento, Saint Helena, San Francisco and Santa Rosa. After NCEDC. Moment Tensor Solution. $M_0$7.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=155.1.
IDC Error ellipse: s-maj=21.9km s-min=11.3km az=42.0.

ISC	**VII**	**12 10 39 07.6–.77**	**40.75N–.03**	**123.75W–.04**	**31–6**		**218**	**0-21**
ISCJB	VII	12 10 39 06.6–.21	40.74N–.01	123.74W–.03	41–4	4.0b		**¶601275882**
IDC	VII	12 10 39 06.2–2.2	40.77N	123.41W	0	3.6,3.4		
NEIC	VII	12 10 39 07.5–.00	40.75N	123.68W	30	4.1b,4.0W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=170.1.
IDC Error ellipse: s-maj=25.1km s-min=9.9km az=65.0.
NEIC Event type fe. Felt [III] at Blue Lake and Rio Dell; [II] at Arcata, Bayside, Burnt Ranch, Eureka, Fortuna, McKinleyville, Salyer and Willow Creek. Also felt at Carlotta, Crescent City, Ferndale, Hayfork, Hoopa, Hyampom, Hydesville, Kneeland, Mount Shasta, Scotia and Trinidad. After NCEDC. Moment Tensor Solution. $M_0$1.20000×10^{15}

ISC	**VIII**	**03 18 30 01.4–1.1**	**38.76N–.02**	**122.68W–.03**	**8–8**		**90**	**0-19**
NEIC	VIII	03 18 30 01.1–.00	38.78N	122.72W	2	3.2W		**¶601520205**
IDC	VIII	03 18 30 02.0–4.4	39.05N	122.81W	0	3.8L,3.5		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Middletown. Also felt at Calistoga, Clearlake, Emeryville, San Francisco, Santa Rosa, Vacaville and Yountville. After NCEDC. Moment Tensor Solution. $M_0$9.30000×10^{13}
IDC Error ellipse: s-maj=60.2km s-min=14.6km az=47.0.

ISC	**IX**	**05 01 32 59.9–.81**	**38.84N–.02**	**122.80W–.02**	**10**		**67**	**0-18**
IASPE	IX	05 01 32 58.8–1.0	38.83N–.02	122.79W–.03	3–7			**¶601836704**
ISCJB	IX	05 01 32 59.2–.29	38.82N–.02	122.82W–.03	10			
NEIC	IX	05 01 32 59.0–.00	38.84N	122.81W	3	3.0L		
IDC	IX	05 01 33 01.0–2.9	38.75N	122.76W	0	3.5,3.3		

ISC Event type fe.
IASPE Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=54.8. GT5 selection from ISC bulletin. GT5 identified by Bond˚¡r and McLaughlin (2009) selection criteria. Bond˚¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.1km az=33.6.
NEIC Event type fe. Felt at Berkeley, Calistoga, Concord, Davis, Kelseyville, Middletown, San Anselmo, San Lorenzo and Santa Rosa. After NCEDC.
IDC Error ellipse: s-maj=35.5km s-min=9.7km az=45.0.

ISC	**IX**	**16 18 53 03.5–.79**	**38.79N–.02**	**122.73W–.03**	**10**		**71**	**0-18**
IASPE	IX	16 18 53 02.3–1.1	38.79N–.03	122.75W–.03	9–9			**¶601863619**
ISCJB	IX	16 18 53 02.6–.28	38.76N–.02	122.78W–.03	10			
NEIC	IX	16 18 53 02.6–.00	38.79N	122.77W	3	3.4W		
IDC	IX	16 18 53 09.8–3.3	38.90N	122.21W	0	3.3,3.2		

ISC Event type fe.
IASPE Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=57.9. GT5 selection from ISC bulletin. GT5 identified by Bond˚¡r and McLaughlin (2009) selection criteria. Bond˚¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=143.8.
NEIC Event type fe. Felt [III] at Middletown. Also felt at Albany, Cloverdale and El Dorado Hills. After NCEDC. Moment Tensor Solution. $M_0$1.70000×10^{14}
IDC Error ellipse: s-maj=42.5km s-min=10.3km az=52.0.

NEIC	**IX**	**16 18 54 00.5–.00**	**38.81N**	**122.81W**	**1**	**2.9W**		**¶606683953**

NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$2.60000×10^{13}

ISC	**X**	**21 20 40 07.9–1.1**	**40.93N–.03**	**123.93W–.05**	**26–7**		**37**	**0-5**
ISCJB	X	21 20 40 07.5–.61	40.90N–.03	123.95W–.05	31–6			**¶601999208**
NEIC	X	21 20 40 08.4–.00	40.90N	123.93W	22	3.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=1.6.
NEIC Event type fe. Felt [III] at Arcata, Bayside, Eureka and Samoa; [II] at McKinleyville and Trinidad. Also felt at Blue Lake, Burnt Ranch, Ferndale, Hoopa, Salyer and Willow Creek. After NCEDC. Moment Tensor Solution. $M_0$2.70000×10^{14}

ISC	**XII**	**13 05 17 23.1–.89**	**38.82N–.03**	**122.76W–.03**	**10**		**52**	**0-18**
ISCJB	XII	13 05 17 22.6–.39	38.80N–.03	122.80W–.04	10			**¶602340331**
NEIC	XII	13 05 17 22.8–.00	38.82N	122.80W	4	3.7W		
IDC	XII	13 05 17 24.0–2.2	38.72N	122.62W	0	3.6,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=142.0.

NEIC Event type fe. Felt [IV] at Healdsburg, [III] at Middletown and [II] at Geyserville and Kelseyville. Also felt at Calistoga, Cloverdale, Hidden Valley Lake, Napa, San Francisco and Suisun City. After NCEDC. Moment Tensor Solution. $M_0$4.40000×10^{14}
IDC Error ellipse: s-maj=24.8km s-min=11.1km az=45.0.

(37) Nevada.

ISC	**VII**	**28 04 24 42.6–.51**	**40.59N–.02**	**116.14W–.02**	**10**		**175**	**1-15**
ISCJB	VII	28 04 24 45.1–.19	40.50N–.02	116.28W–.02	10			**¶601519882**
IDC	VII	28 04 24 45.6–1.4	40.59N	116.18W	21–13	3.6L,3.3		
NEIC	VII	28 04 24 45.9–.00	40.50N	116.24W	8	3.7L,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=152.2.
IDC Error ellipse: s-maj=11.6km s-min=8.4km az=149.0.
NEIC Event type se. After REN.

ISC	**VIII**	**14 22 17 45.5–.70**	**40.26N–.02**	**119.57W–.02**	**10**		**124**	**1-7**
NEIC	VIII	14 22 17 45.6–.00	40.25N	119.57W	9	3.5L		**¶601562045**
ISCJB	VIII	14 22 17 47.5–.21	40.10N–.02	119.60W–.02	10	3.5L		

ISC Event type fe.
NEIC Event type fe. Felt at Reno. After REN.
ISCJB Event type fe.

ISC	**IX**	**11 05 55 20.6–.73**	**40.96N–.02**	**117.77W–.02**	**10**		**121**	**1-8**
NEIC	IX	11 05 55 20.5–.00	40.96N	117.78W	4	3.7L		**¶601851655**
ISCJB	IX	11 05 55 21.6–.19	40.98N–.02	117.80W–.02	10	3.7L		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Winnemucca. Also felt at Spring Creek. After REN.
ISCJB Event type fe.

ISC	**X**	**03 19 51 08.8–.82**	**39.72N–.02**	**119.44W–.02**	**10**		**94**	**0-7**
NEIC	X	03 19 51 08.4–.00	39.72N	119.44W	11	3.8L,3.4W		**¶601782837**
ISCJB	X	03 19 51 09.4–.25	39.66N–.02	119.48W–.02	10	3.8L,3.4W		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Reno and Sparks. Also felt at Fernley and Nixon. After REN. Moment Tensor Solution. s15 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.18 $M_{\theta\theta}$0.56 $M_{\phi\phi}$0.61 $M_{r\theta}$0.28 $M_{\theta\phi}$1.30 $M_{\phi r}$-0.52 Best double couple: NP1:ϕ_s254.00000°,δ51.00000°,λ-45.00000°. NP2:ϕ_s16.00000°,δ57.00000°,λ-131.00000°. Principal axes: T 1.9000,Plg3.0000° ,Azm134.0000°; N -0.3500,Plg33.0000°,Azm41.0000°; P -1.5600,Plg56.0000° ,Azm229.0000° $M_0$1.80000×10^{14}
ISCJB Event type fe.

NEIC	**X**	**14 05 14 11.7–.00**	**38.10N**	**116.69W**	**6**	**2.5L**		**¶601833188**

NEIC Event type se. After REN.

(39) Central California.

ISC	**VII**	**31 13 06 25.5–1.0**	**35.53N–.02**	**117.51W–.02**	**5–10**		**92**	**0-4**
NEIC	VII	31 13 06 26.0–.00	35.53N	117.51W	8	2.9L		**¶601713596**

ISC Event type fe.
NEIC Event type fe. Felt at Apple Valley. After PAS.

ISC	**VIII**	**06 07 35 49.3–.85**	**35.92N–.02**	**120.49W–.02**	**12–5**	**4.5b,3.9s**	**587**	**0-97**
BJI	VIII	06 07 35 45.1	35.90N	120.50W	12	4.7b,4.6s		**¶601520360**
IASPE	VIII	06 07 35 48.8–.97	35.95N–.02	120.52W–.02	15–6	4.5b,3.9s		
IDC	VIII	06 07 35 48.1–.94	35.88N	120.40W	0	4.2,4.1b		
NEIC	VIII	06 07 35 49.1–.00	35.95N	120.50W	12	4.5b,4.4W		

ISC Event type fe.
IASPE Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=53.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
IDC Error ellipse: s-maj=14.4km s-min=11.6km az=72.0.
NEIC Event type fe. Felt [IV] at Huron; [III] at Atascadero, Bradley, Cambria, Coalinga, King City, Lemoore, Los Osos, Morro Bay, Paso Robles, San Luis Obispo, San Miguel, Santa Margarita and Templeton; [II] at Arroyo Grande, Cayucos, Clovis, Creston, Greenfield, Grover Beach, Hanford, Oceano and Pismo Beach. Felt northwest to Cupertino, northeast to Woodlake, southeast to Hawthorne and south to Santa Maria. After NCEDC. Moment Tensor Solution. $M_0$5.90000×10^{15}

ISC	**VIII**	**09 12 09 30.8–.94**	**35.39N–.02**	**116.91W–.02**	**13–7**		**69**	**0-5**
ISCJB	VIII	09 12 09 31.0–.38	35.43N–.02	116.89W–.02	6–3			**¶601741053**
NEIC	VIII	09 12 09 32.2–.00	35.41N	116.90W	8	2.9L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=40.4.
NEIC Event type se. After PAS.

ISC	**VIII**	**13 14 03 47.8–1.1**	**35.94N–.02**	**117.65W–.02**	**2–10**		**121**	**0-7**
NEIC	VIII	13 14 03 47.9–.00	35.96N	117.67W	2	3.5L		**¶601561347**

ISC Event type fe.
NEIC Event type fe. Felt at Ridgecrest. After PAS.

ISC	**VIII**	**28 09 36 18.0–1.0**	**35.99N–.02**	**118.38W–.02**	**5–9**		**160**	**0-10**
NEIC	VIII	28 09 36 18.0–.00	36.02N	118.40W	1	3.3L		**¶601832066**

ISC Event type fe.
NEIC Event type fe. Felt in eastern Tulare County. After PAS.

ISC	**VIII**	**29 13 01 49.5–1.0**	**36.02N–.02**	**118.41W–.02**	**8–9**		**160**	**0-14**
ISCJB	VIII	29 13 01 49.2–.46	35.99N–.01	118.36W–.02	4–3			**¶601653032**
NEIC	VIII	29 13 01 50.0–.00	36.01N	118.40W	4	3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=170.3.
NEIC Event type fe. Felt at Springville. After PAS.

ISC	**IX**	**07 13 22 10.9–1.1**	**36.07N–.02**	**120.06W–.02**	**17–9**		**199**	**0-15**
IDC	IX	07 13 22 07.8–4.0	36.10N	120.05W	0	3.4L,3.3		**¶601692026**
NEIC	IX	07 13 22 10.0–.00	36.12N	120.05W	11	3.7W,3.3		

ISC Event type fe.
IDC Error ellipse: s-maj=53.2km s-min=20.5km az=89.0.
NEIC Event type fe. Felt at Huron. After NCEDC. Moment Tensor Solution. $M_0$4.10000×10^{14}

ISC	**IX**	**07 13 23 48.4–1.1**	**36.12N–.02**	**120.06W–.02**	**9–7**	**4.1b,3.4s**	**155**	**0-148**
IDC	IX	07 13 23 47.2–.96	35.82N	120.12W	0	4.2,4.1b		**¶601692027**
NEIC	IX	07 13 23 48.1–.00	36.12N	120.00W	10	4.1W,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=14.9km az=140.0.
NEIC Event type fe. Felt [III] at Huron and [II] at Coalinga, Hanford, Lemoore, Porterville, Springville, Tulare and Visalia. Felt in much of Fresno, Kings and Tulare Counties. After NCEDC. Moment Tensor Solution. $M_0$1.50000×10^{15}

ISC	**IX**	**08 08 39 22.8–1.2**	**36.29N–.02**	**120.27W–.02**	**3–10**		**81**	**0-4**
ISCJB	IX	08 08 39 23.1–.39	36.31N–.02	120.28W–.03	4–4			**¶601777922**
NEIC	IX	08 08 39 23.1–.00	36.30N	120.31W	8	2.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=165.1.
NEIC Event type fe. Felt at Clovis, Corcoran and Hanford. After NCEDC.

ISC	**IX**	**11 12 23 34.7–1.0**	**35.37N–.02**	**118.54W–.02**	**5–9**		**58**	**0-3**
NEIC	IX	11 12 23 35.0–.00	35.37N	118.54W	6	2.5L		**¶602323489**

ISC Event type fe.
NEIC Event type fe. Felt at Keene and Tehachapi. After PAS.

ISC	**IX**	**25 18 43 13.1–1.0**	**36.01N–.02**	**118.39W–.02**	**6–9**		**99**	**0-11**
ISCJB	IX	25 18 43 12.2–.41	36.02N–.01	118.40W–.02	0–3			**¶601751135**
NEIC	IX	25 18 43 13.3–.00	36.01N	118.40W	5	2.8L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.3km az=170.2.
NEIC Event type se. After PAS.

ISC	**X**	**05 01 17 21.7–.87**	**35.93N–.01**	**117.68W–.01**	**7–6**		**188**	**0-16**
IASPE	X	05 01 17 21.2–.98	35.93N–.02	117.68W–.02	9–8			**¶601790316**
NEIC	X	05 01 17 21.8–.00	35.93N	117.68W	3	3.5L		

ISC Event type se.
IASPE Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=123.8. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
NEIC Event type se. After PAS.

ISC	**X**	**11 04 03 26.1–.92**	**35.19N–.02**	**119.54W–.02**	**16–8**		**82**	**0-5**
ISCJB	X	11 04 03 26.3–.29	35.19N–.02	119.56W–.02	24–3			**¶601997837**
NEIC	X	11 04 03 26.6–.00	35.21N	119.53W	14	2.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=154.1.
NEIC Event type fe. Felt at Bakersfield and Frazier Park. After PAS.

ISC	**X**	**21 06 55 10.8–.67**	**36.30N–.02**	**120.89W–.02**	**11–3**	**5.2b,5.1s**	**1196**	**0-151**
BJI	X	21 06 55 07.6	36.30N	120.90W	9	5.6b,5.4s		**¶601839944**
NEIC	X	21 06 55 09.0–.00	36.21N	120.98W	11	5.6b,5.4s		
ISCJB	X	21 06 55 09.0–.20	36.26N–.01	120.91W–.01	10–1	5.1b,5.0s		
NEIC	X	21 06 55 09.5–.00	36.31N	120.86W	9	5.4W,5.3W		
IDC	X	21 06 55 09.2–.40	36.31N	120.79W	0	4.9b,4.9		
MOS	X	21 06 55 10.3–1.1	36.33N	120.88W	16	5.4b,5.2s		
GCMT	X	21 06 55 13.5–.10	36.27N–.01	120.89W–.01	12	5.4W,5.2s		

ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.03 $M_{r\theta}$0.42 $M_{\theta\phi}$0.78 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s65.00000°,δ81.00000° ,λ24.00000°. NP2:ϕ_s330.00000°,δ66.00000°,λ170.00000°. Principal axes: T 1.5300,Plg23.0000°,Azm289.0000°; N -0.0600,Plg64.0000°,Azm84.0000° ; P -1.4700,Plg9.0000°,Azm195.0000° $M_0$1.50000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Big Sur, Bradley, Coalinga, Friant, Greenfield, Huron, Monterey, Paso Robles, San Jose, San Miguel, Soledad, Stratford, Templeton and Wasco. Felt widely from north of the San Francisco Bay area to Bishop and Ridgecrest and to parts of the Los Angeles area. Also felt at Gardnerville and Reno, Nevada. After NCEDC. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c154; s134,c266;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$1.05±.02; $M_{r\theta}$-0.31±.04; $M_{\theta\phi}$0.89±.02; $M_{\phi r}$0.29±.04; Best double couple: NP1:ϕ_s154.00000°,δ87.00000°,λ-165.00000°. NP2:ϕ_s64.00000°,δ75.00000°,λ-3.00000°. Principal axes: T 1.3860,Plg8.0000° ,Azm288.0000°; N 0.1950,Plg75.0000°,Azm166.0000°; P -1.5790,Plg13.0000°,Azm20.0000° $M_0$1.48300×10^{17}

ISC	**X**	**21 07 37 47.6–.93**	**36.29N–.02**	**120.86W–.02**	**13–6**		**129**	**0-69**
IDC	X	21 07 37 46.9–2.0	36.27N	120.82W	0	3.5,3.5		**¶601999134**
ISCJB	X	21 07 37 47.1–.21	36.27N–.02	120.93W–.03	15–2	4.4s,3.4b		
NEIC	X	21 07 37 47.4–.00	36.31N	120.85W	10	3.6W,3.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=18.0km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=146.9.
NEIC Event type fe. Felt [IV] at King City; [III] at Clovis and Lindsay; [II] at Fresno, Los Osos and Nipomo. After NCEDC. Moment Tensor Solution. $M_0$2.90000×10^{14}

ISC	**X**	**29 04 25 17.0–.57**	**36.58N–.02**	**121.19W–.02**	**10**	**3.8b**	**229**	**0-94**
ISCJB	X	29 04 25 15.3–.17	36.54N–.01	121.26W–.02	10	3.7b		**¶601857850**
NEIC	X	29 04 25 16.3–.00	36.59N	121.20W	9	3.9W		
IDC	X	29 04 25 17.2–1.4	36.64N	121.10W	0	3.8b,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.5km az=145.1.
NEIC Event type fe. Felt [IV] at Gonzales and [III] at Capitola, Hollister, Paicines, San Martin and Soquel and in parts of Monterey County. Felt at Fresno, San Francisco and Stockton and in parts of Marin, San Benito, San Mateo, Santa Clara, Santa Cruz and Tulare Counties. After NCEDC. Moment Tensor Solution.
IDC Error ellipse: s-maj=17.4km s-min=13.3km az=19.0.

ISC	**XI**	**13 00 19 16.3–1.0**	**35.51N–.02**	**116.24W–.02**	**9–9**		**71**	**0-5**
NEIC	XI	13 00 19 16.5–.00	35.51N	116.25W	0	2.9L		**¶602054311**
PAS	XI	13 00 19 16.5	35.51N	116.25W		2.9L		
SCEDC	XI	13 00 19 16.5	35.51N	116.25W		2.9L		
ANF	XI	13 00 19 16.1–.13	35.51N	116.25W	13–1	2.9L		

ISC Event type se.
NEIC Event type se. After PAS.
ANF Error ellipse: s-maj=1.2km s-min=0.8km az=77.0.

ISC	**XI**	**24 15 44 34.6–1.1**	**36.60N–.02**	**121.25W–.02**	**6–9**		**94**	**0-5**
ANF	XI	24 15 44 33.2–1.1	36.47N	121.47W	5	3.5L		**¶602060016**
ISCJB	XI	24 15 44 34.8–.29	36.57N–.02	121.28W–.04	9–3	3.5L		
NEIC	XI	24 15 44 35.3–.00	36.62N	121.22W	6	3.3W		
NCEDC	XI	24 15 44 35.3	36.62N	121.22W	6	3.3W		

ISC Event type fe.
ANF Error ellipse: s-maj=11.0km s-min=6.3km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=158.9.
NEIC Event type fe. Felt [II] at Paicines. Also felt at Atascadero, Greenfield and Soledad. After NCEDC. Moment Tensor Solution. $M_0$1.20000×10^{14}

ISC	**XII**	**05 12 52 25.2–1.0**	**35.19N–.02**	**119.26W–.02**	**23–11**		**74**	**0-3**
ANF	XII	05 12 52 24.5–.18	35.20N	119.25W	24–3	2.8L		**¶602000851**
NEIC	XII	05 12 52 25.5–.00	35.20N	119.26W	25	2.9L		
PAS	XII	05 12 52 25.5	35.20N	119.26W	25	2.9L		
SCEDC	XII	05 12 52 25.5	35.19N	119.26W	24	2.9L		

ISC Event type fe.
ANF Error ellipse: s-maj=1.7km s-min=1.4km az=139.0.
NEIC Event type fe. Felt at Bakersfield. After PAS.

ISC	**XII**	**23 10 02 44.1–1.5**	**35.58N–.03**	**120.96W–.04**	**2–10**		**111**	**1-65**
ISCJB	XII	23 10 02 42.6–.73	35.53N–.02	121.01W–.04	3–5	3.5b,3.3s		**¶602312444**
IDC	XII	23 10 02 44.5–2.2	35.45N	121.05W	0	3.8,3.5		
ANF	XII	23 10 02 44.2–.45	35.64N	120.98W	15–2	3.7L,3.5		
NEIC	XII	23 10 02 45.1–.00	35.64N	120.94W	6	3.7W,3.5		
NCEDC	XII	23 10 02 45.1	35.64N	120.94W	6	3.7W,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.2km az=144.1.
IDC Error ellipse: s-maj=24.8km s-min=19.9km az=35.0.
ANF Error ellipse: s-maj=3.8km s-min=2.3km az=128.0.
NEIC Event type fe. Felt [III] at Arroyo Grande, Cambria and Paso Robles; [II] at Atascadero, Los Osos, Morro Bay, San Luis Obispo, San Miguel and Templeton. Also felt at Cayucos, Creston, Oceano, Pismo Beach, Santa Margarita and Santa Ynez. After NCEDC. Moment Tensor Solution. $M_0$5.00000×10^{14}

ISC	**XII**	**30 11 52 34.6–1.0**	**36.15N–.02**	**118.04W–.02**	**5–9**		**137**	**0-26**
ANF	XII	30 11 52 34.7–.21	36.14N	118.04W	2–2	3.6L		**¶602324123**
NEIC	XII	30 11 52 35.1–.00	36.15N	118.06W	2	3.5L		
SCEDC	XII	30 11 52 35.2	36.16N	118.06W	1	3.5L		
PAS	XII	30 11 52 35.1	36.15N	118.06W	2	3.5L		
IDC	XII	30 11 52 40.6–3.1	36.56N	117.05W	0	3.6,3.4		

ISC Event type fe.
ANF Error ellipse: s-maj=1.7km s-min=1.5km az=102.0.
NEIC Event type fe. Felt at Lone Pine. After PAS.
IDC Error ellipse: s-maj=54.8km s-min=16.3km az=48.0.

(40) California-Nevada border region.

ISC	**VIII**	**10 08 05 35.1–.85**	**37.32N–.01**	**118.38W–.02**	**14–7**		**172**	**0-9**
NEIC	VIII	10 08 05 35.0–.00	37.33N	118.39W	14	3.5L		**¶601551760**

ISC Event type fe.
NEIC Event type fe. Felt [II] at Bishop. Also felt at Shaver Lake. After NCEDC.

ISC	**VIII**	**28 08 16 54.7–.94**	**37.49N–.02**	**118.84W–.02**	**7–8**		**97**	**0-6**
NEIC	VIII	28 08 16 54.7–.00	37.50N	118.83W	5	3.0		**¶601685275**

ISC Event type se.
NEIC Event type se. After NCEDC.

ISC	**IX**	**02 23 57 55.6–1.1**	**37.98N–.02**	**117.06W–.02**	**1–11**		**112**	**1-6**
NEIC	IX	02 23 57 57.1–.00	37.97N	117.11W	10	3.5L		**¶601685300**

ISC Event type se.
NEIC Event type se. After REN.

ISC	**IX**	**27 08 36 33.7–.85**	**36.89N–.01**	**117.40W–.02**	**12–6**		**159**	**0-7**
NEIC	IX	27 08 36 33.6–.00	36.88N	117.43W	10	3.4L		**¶601883085**

ISC Event type se.
NEIC Event type se. After REN.

ISC	**X**	**03 23 05 48.0–.86**	**36.88N–.02**	**117.43W–.02**	**13–7**		**77**	**0-5**
ISCJB	X	03 23 05 47.2–.41	36.89N–.02	117.41W–.02	1–3			**¶601906643**
NEIC	X	03 23 05 48.0–.00	36.89N	117.43W	11	2.8L,2.7L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=147.9.
NEIC Event type se. After REN.

ISC	**XI**	**27 02 28 06.5–.84**	**37.54N–.02**	**118.85W–.02**	**10–6**		**101**	**0-5**
ISCJB	XI	27 02 28 06.9–.37	37.57N–.01	118.79W–.02	11–2			**¶602216522**
NEIC	XI	27 02 28 06.6–.00	37.53N	118.82W	6	3.1L		
NCEDC	XI	27 02 28 06.6	37.53N	118.82W	6	3.1L		
ANF	XI	27 02 28 06.2–.26	37.49N	118.86W	2–2	3.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=161.4.
NEIC Event type fe. Felt [II] at Mammoth Lakes. Also felt at June Lake and Bishop. After NCEDC.
ANF Error ellipse: s-maj=2.6km s-min=1.6km az=88.0.

ISC	**XI**	**30 10 40 03.8–.62**	**36.08N–.01**	**117.83W–.01**	**10**		**189**	**0-34**
ANF	XI	30 10 40 02.6–.11	36.09N	117.85W	6–1	3.8L		**¶602311702**
PAS	XI	30 10 40 03.3	36.09N	117.85W	3	3.7L		
SCEDC	XI	30 10 40 03.3	36.09N	117.85W	3	3.7L		

ISCJB XI 30 10 40 03.3–.16 36.07N–.01 117.78W–.01 10 3.6b
NEIC XI 30 10 40 03.3–.00 36.09N 117.85W 3 3.7L
IDC XI 30 10 40 05.5–2.0 36.15N 117.63W 0 3.6,3.5L
ISC Event type se.
ANF Error ellipse: s-maj=0.9km s-min=0.8km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=1.8km s-min=1.6km az=37.0.
NEIC Event type se. After PAS.
IDC Error ellipse: s-maj=30.7km s-min=11.6km az=57.0.
ISC XII 02 10 20 34.4–.98 36.08N–.01 117.84W–.02 4–8 160 0-39
IDC XII 02 10 20 34.1–3.9 35.87N 117.83W 0 3.6,3.5 **¶602036996**
IASPE XII 02 10 20 34.8–1.0 36.09N–.02 117.84W–.02 8–8 3.6,3.5
ANF XII 02 10 20 34.3–.14 36.08N 117.85W 7–1 3.7L,3.5
SCEDC XII 02 10 20 35.0 36.09N 117.84W 3 3.7L,3.5
PAS XII 02 10 20 34.9 36.09N 117.85W 3 3.6L,3.5
NEIC XII 02 10 20 34.9–.00 36.09N 117.85W 3 3.6L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=81.1km s-min=15.5km az=58.0.
IASPE Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=135.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ANF Error ellipse: s-maj=1.3km s-min=1.1km az=157.0.
NEIC Event type se. After PAS.

(41) Southern Nevada.

ISC IX 25 16 03 32.8–.70 36.48N–.02 114.89W–.02 10 154 0-10
ISCJB IX 25 16 03 32.9–.17 36.45N–.02 114.91W–.02 10 **¶601751133**
NEIC IX 25 16 03 33.1–.00 36.50N 114.85W 12 3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=148.7.
NEIC Event type fe. Felt [III] at Las Vegas, Logandale and Overton and [II] at North Las Vegas. Also felt at Boulder City, Henderson and Mesquite. Felt at Willow Beach, Arizona. After REN.

(43) Southern California.

NEIC VII 01 11 24 56.9–.00 33.80N 118.35W 10 2.0L
¶602540361
NEIC Event type fe. Felt [II] at Redondo Beach. Also felt at Torrance. After PAS.
ISC VII 04 09 04 43.0–.87 33.38N–.01 116.27W–.01 12–6 173 0-12
ISCJB VII 04 09 04 42.6–.23 33.37N–.01 116.30W–.01 8–2 **¶601542017**
NEIC VII 04 09 04 43.5–.00 33.38N 116.30W 14 3.4L
MEX VII 04 09 04 46.0–.47 33.31N 117.20W 10 3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=33.1.
NEIC Event type fe. Felt [III] at Alpine, Indian Wells, La Quinta, Palm Springs and San Diego; [II] at Coachella, El Cajon, Escondido, Indio, Lakeside, Palm Desert, Ramona, Riverside, Spring Valley, Valley Center and Winchester. Felt at Tijuana, Baja California. After PAS.
MEX Error ellipse: s-maj=10.3km s-min=20.7km az=-1.0.
ISC VII 05 18 18 08.5–.77 34.30N–.01 116.84W–.01 10–5 235 0-15
IASPE VII 05 18 18 08.6–.84 34.30N–.02 116.84W–.02 11–6 **¶601564430**
NEIC VII 05 18 18 09.4–.00 34.30N 116.84W 7 3.5L
ISC Event type fe.
IASPE Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=33.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
NEIC Event type fe. Felt [III] at Apple Valley, Big Bear City, Big Bear Lake and Lucerne Valley and [II] at Riverside. Also felt at Angelus Oaks, Bellflower, Crestline, Escondido, Hesperia, Highland, Lake Arrowhead, Lake Elsinore, Loma Linda, Redlands, San Bernardino, Studio City, Victorville and Woodland Hills. After PAS.
ISC VII 12 17 54 28.5–.88 34.06N–.01 116.42W–.01 14–7 232 0-36
IDC VII 12 17 54 24.9–2.3 33.84N 116.64W 0 3.9L,3.7 **¶601625027**
ISCJB VII 12 17 54 27.6–.22 34.09N–.01 116.37W–.01 9–1 3.6b,3.7
NEIC VII 12 17 54 28.8–.00 34.09N 116.39W 11 3.9L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=37.1km s-min=12.8km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=162.2.
NEIC Event type fe. Felt [III] at Joshua Tree, Morongo Valley and Yucca Valley; [II] at Cathedral City, Desert Hot Springs, Huntington Beach, Palm Desert, Palm Springs, Rancho Mirage and Twentynine Palms. Also felt at Banning, Corona, Hesperia, Highland, Indio, Irvine, Landers, Mission Viejo, Phelan, Redondo Beach, Riverside, San Jacinto, Temecula, Thousand Palms, Trabuco Canyon, Van Nuys and Whittier. After PAS.
ISC VII 25 10 18 41.1–.91 33.93N–.02 118.41W–.02 13–7 124 0-12
ISCJB VII 25 10 18 40.7–.36 33.94N–.02 118.41W–.02 13–2 **¶601473943**
NEIC VII 25 10 18 41.9–.00 33.96N 118.41W 11 3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=29.9.
NEIC Event type fe. Felt [IV] at Beverly Hills, Inglewood and Los Angeles and [III] in the Long Beach-Pasadena-Woodland Hills area. After PAS.
ISC VIII 08 06 23 32.1–1.1 33.82N–.02 117.83W–.02 1–8 3.7b 280 0-95
ISCJB VIII 08 06 23 32.6–.30 33.85N–.01 117.82W–.01 8–2 3.9b,3.3s **¶601531858**
IDC VIII 08 06 23 33.6–1.6 33.86N 117.75W 0 3.9,3.7L
NEIC VIII 08 06 23 34.1–.00 33.91N 117.79W 10 4.5L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=30.2.
IDC Error ellipse: s-maj=23.6km s-min=10.6km az=45.0.
NEIC Event type fe. Felt [V] at Compton and [IV] at Anaheim, Brea, Fullerton, La Habra, Los Angeles, Maywood, Orange, Placentia, Sunset Beach, Villa Park, Whittier and Yorba Linda. Felt in much of Los Angeles and Orange Counties and in parts of Kern, Riverside, San Bernardino, San Diego, Santa Barbara and Ventura Counties. Also felt at Rosarito, Baja California. After PAS.
ISC VIII 08 16 33 20.7–1.1 33.85N–.02 117.78W–.02 6–8 4.2b,3.5s 253 0-117
ISCJB VIII 08 16 33 20.4–.32 33.88N–.01 117.79W–.01 9–2 4.4b,3.5s **¶601532051**
IDC VIII 08 16 33 21.7–1.4 33.85N 117.80W 0 4.1,3.8
NEIC VIII 08 16 33 22.1–.00 33.90N 117.79W 10 4.5L,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=28.4.
IDC Error ellipse: s-maj=20.3km s-min=11.9km az=43.0.
NEIC Event type fe. Felt [V] at Anaheim and Brea; [IV] at Chino Hills, Encino, Fullerton, La Habra, Long Beach, Orange, Panorama City, Placentia, Villa Park, Whittier and Yorba Linda. Felt throughout the Los Angeles Basin and as far south as San Diego. After PAS.
ISC VIII 19 03 43 45.4–.87 33.20N–.02 115.97W–.02 17–7 135 0-6
NEIC VIII 19 03 43 46.3–.00 33.17N 115.98W 8 3.4L **¶601610722**
ECX VIII 19 03 43 47.2–.75 33.14N 116.01W 8 3.4L,3.2
ISC Event type fe.
NEIC Event type fe. Felt [II] at Thermal. Also felt at Palm Desert. After PAS.
ECX Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VIII 26 15 48 09.2–.94 33.06N–.03 115.56W–.02 17–8 51 0-2
ISCJB VIII 26 15 48 09.6–.35 33.04N–.02 115.57W–.02 9–4 **¶602062946**
NEIC VIII 26 15 48 10.5–.00 33.01N 115.55W 9 2.5L
ECX VIII 26 15 48 11.3–.53 32.99N 115.57W 10 2.5L,2.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=140.2.
NEIC Event type fe. Felt [II] at Brawley. Also felt at La Quinta. First of 2 events about 13 seconds apart. After PAS.
ECX Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.
ISC VIII 26 17 02 12.6–.82 33.03N–.02 115.58W–.02 18–5 108 0-15
ISCJB VIII 26 17 02 11.5–.33 33.05N–.01 115.57W–.02 11–2 **¶601643030**
NEIC VIII 26 17 02 12.7–.00 33.02N 115.56W 13 3.8L
IDC VIII 26 17 02 12.6–2.0 32.99N 115.29W 0 3.7,3.7L
ECX VIII 26 17 02 13.0–.53 33.07N 115.61W 12 3.8L,3.6
MEX VIII 26 17 02 15.5–.69 33.10N 115.64W 16–32 4.0,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.2km az=147.2.
NEIC Event type fe. Felt [IV] at Brawley. Also felt at Blythe, Holtville, Imperial and San Diego. After PAS.
IDC Error ellipse: s-maj=27.0km s-min=11.5km az=43.0.
ECX Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=29.8km s-min=9.9km az=-1.0.
ISC VIII 26 18 11 23.9–.84 33.02N–.02 115.59W–.02 16–6 70 0-4
ISCJB VIII 26 18 11 23.1–.37 33.02N–.02 115.57W–.02 11–3 **¶601794253**
NEIC VIII 26 18 11 24.1–.00 33.01N 115.56W 13 2.7L
ECX VIII 26 18 11 24.5–.55 33.01N 115.57W 8 2.6L,2.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=154.0.
NEIC Event type fe. Felt at Brawley. After PAS.
ECX Error ellipse: s-maj=2.4km s-min=1.5km az=-1.0.
ISC VIII 26 18 58 10.9–.89 33.09N–.03 115.56W–.02 17–7 66 0-5
ISCJB VIII 26 18 58 11.2–.34 33.05N–.02 115.56W–.02 11–3 **¶601685270**
NEIC VIII 26 18 58 12.3–.00 33.02N 115.55W 14 3.0L
ECX VIII 26 18 58 12.8–.43 33.03N 115.57W 10 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=153.8.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
ISC VIII 26 19 03 16.4–1.1 33.08N–.03 115.54W–.02 11–10 70 0-6
ISCJB VIII 26 19 03 17.9–.39 33.05N–.02 115.56W–.02 13–3 **¶601794252**
NEIC VIII 26 19 03 18.7–.00 33.03N 115.54W 14 3.0L
ECX VIII 26 19 03 19.3–.43 33.04N 115.57W 10 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=160.4.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
ISC VIII 26 19 16 10.9–.96 33.05N–.02 115.58W–.02 14–8 104 0-37
ISCJB VIII 26 19 16 10.4–.29 33.03N–.02 115.55W–.02 10–3 2.9b **¶601626665**
IDC VIII 26 19 16 10.7–1.9 33.02N 115.42W 0 3.6L,3.4
NEIC VIII 26 19 16 11.5–.00 33.02N 115.55W 11 4.0L,3.4
ECX VIII 26 19 16 11.4–.64 33.10N 115.59W 10 4.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=166.2.
IDC Error ellipse: s-maj=36.4km s-min=13.4km az=33.0.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0.
ISC VIII 26 19 20 04.9–.83 33.03N–.02 115.57W–.02 13–6 4.3b 143 0-97
ISCJB VIII 26 19 20 02.8–.29 33.08N–.02 115.56W–.02 3–2 4.4b **¶601626667**
NEIC VIII 26 19 20 04.5–.00 33.02N 115.55W 13 4.6W,4.5b
IDC VIII 26 19 20 04.3–1.2 33.05N 115.52W 0 4.1,4.1s
MEX VIII 26 19 20 05.5–.66 33.09N 115.48W 15 4.6,4.1s
ECX VIII 26 19 20 05.0–.58 33.07N 115.61W 5 4.6L,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=148.0.
NEIC Event type fe. Felt [V] at Brawley, [III] at El Centro and Imperial and [II] at San Diego. Also felt at Chula Vista, Holtville, Julian, San Ysidro, Santee and Westmorland. After PAS.
IDC Error ellipse: s-maj=21.8km s-min=8.6km az=33.0.
MEX Error ellipse: s-maj=8.7km s-min=4.9km az=-1.0.
ECX Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC VIII 26 19 28 36.6–.74 33.01N–.02 115.61W–.02 10 68 0-5
ECX VIII 26 19 28 37.3–.52 33.03N 115.65W 5 3.4L,3.2 **¶601685271**
ISCJB VIII 26 19 28 40.2–.30 32.81N–.02 115.73W–.02 10 3.4L,3.2
NEIC VIII 26 19 28 45.1–.00 33.00N 115.56W 11 3.4L,3.2
ISC Event type se.
ECX Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=174.4.
NEIC Event type se. After PAS.
ISC VIII 26 19 31 22.4–.40 33.05N–.02 115.54W–.01 2–2 5.1s,4.7b 734 0-146
BJI VIII 26 19 31 20.9 33.00N 115.50W 12 5.5s,5.3b **¶601626669**
ISCJB VIII 26 19 31 21.7–.34 33.00N–.01 115.49W–.01 10–2 5.1s,4.6b
NEIC VIII 26 19 31 22.9–.00 33.02N 115.55W 12 5.4W,5.3W
MEX VIII 26 19 31 22.5–.65 33.27N 115.50W 17–156 5.5,5.3W
NEIC VIII 26 19 31 23.0–.00 33.12N 115.68W 11 5.5,5.3W
MOS VIII 26 19 31 23.7–1.3 33.06N 115.39W 12 5.2s,5.1b
ECX VIII 26 19 31 23.1–.61 33.08N 115.57W 8 5.3L,5.1
IDC VIII 26 19 31 23.7–.49 33.13N 115.31W 0 4.9,4.9
GCMT VIII 26 19 31 24.9–.20 32.92N–.01 115.59W–.01 12 5.4W,4.9
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Heber, Holtville and Imperial; [IV] at Boulevard, Brawley, Calexico, Chula Vista, El Centro, San Ysidro and Thermal. Felt throughout southern California and southwestern Arizona. Felt [IV] at Mexicali and [III] in the Ensenada-Tijuana area, Baja California. Also felt at San Luis Rio Colorado, Sonora. After PAS.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$1.36 $M_{r\theta}$0.98 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.28 Best double couple: NP1:ϕ_s334.00000°,δ66.00000°,λ-148.00000°. NP2:ϕ_s230.00000°,δ62.00000°,λ-27.00000°. Principal axes: T 1.4700,Plg2.0000°,Azm101.0000°; N 0.3100,Plg51.0000°,Azm8.0000°; P -1.7800,Plg38.0000°,Azm193.0000° $M_0$1.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c91; s130,c261;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42±.03 $M_{\theta\theta}$-1.16±.03; $M_{\phi\phi}$1.58±.02; $M_{r\theta}$-0.17±.08; $M_{\theta\phi}$0.55±.03; $M_{\phi r}$-0.54±.07; Best double couple: NP1:ϕ_s236.00000°,δ84.00000°,λ13.00000°. NP2:ϕ_s145.00000°,δ77.00000°,λ173.00000°. Principal axes: T 1.8260,Plg14.0000°,Azm101.0000°; N -0.5550,Plg75.0000°,Azm262.0000°; P -1.2700,Plg5.0000°,Azm10.0000° $M_0$1.54800×10^{17}
NEIC VIII 26 19 33 59.5–.00 33.00N 115.58W 2 3.5L
¶606588144
NEIC Event type se. After PAS.
ISC VIII 26 19 35 51.1–.97 33.02N–.04 115.55W–.03 14–9 31 0-16
ISCJB VIII 26 19 35 50.7–.47 33.03N–.04 115.57W–.03 11–4 **¶601839129**
NEIC VIII 26 19 35 51.8–.00 33.00N 115.51W 6 3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=168.3.
NEIC Event type se. After PAS.
ISC VIII 26 19 43 40.8–1.0 33.04N–.04 115.55W–.02 10–11 28 0-2
ISCJB VIII 26 19 43 40.2–.55 33.05N–.04 115.57W–.03 7–4 **¶601839130**
NEIC VIII 26 19 43 41.2–.00 33.02N 115.54W 4 3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.6km az=168.2.
NEIC Event type se. After PAS.
ISC VIII 26 19 50 14.1–.89 33.01N–.02 115.58W–.02 14–8 63 0-5
ISCJB VIII 26 19 50 13.8–.34 33.02N–.02 115.59W–.02 11–3 **¶601839132**
NEIC VIII 26 19 50 14.8–.00 33.00N 115.58W 8 3.4L
ECX VIII 26 19 50 15.6–.44 33.00N 115.62W 8 3.4L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=166.9.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
ISC VIII 26 19 58 15.9–.93 33.04N–.02 115.56W–.02 14–8 76 0-7
ISCJB VIII 26 19 58 16.4–.33 33.04N–.02 115.56W–.02 12–2 **¶601839133**
NEIC VIII 26 19 58 17.3–.00 33.02N 115.54W 9 3.6L
ECX VIII 26 19 58 18.1–.56 33.04N 115.60W 9 3.6L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=163.3.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VIII 26 20 16 42.5–.92 33.04N–.03 115.58W–.02 16–9 42 0-3
ISCJB VIII 26 20 16 41.9–.39 33.05N–.03 115.56W–.03 10–4 **¶601839136**
NEIC VIII 26 20 16 42.5–.00 33.03N 115.54W 9 2.8L
ECX VIII 26 20 16 42.5–.29 33.09N 115.57W 4 3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=144.7.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=1.3km az=-1.0.
ISC VIII 26 20 20 24.5–.98 33.01N–.03 115.56W–.02 18–3 62 0-5
ISCJB VIII 26 20 20 23.9–.32 33.04N–.02 115.56W–.02 8–3 **¶601839137**
NEIC VIII 26 20 20 24.6–.00 33.02N 115.55W 4 3.5L
ECX VIII 26 20 20 25.0–.58 33.04N 115.56W 4 3.5L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.4km az=156.8.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
ISC VIII 26 20 31 13.2–.93 33.06N–.03 115.57W–.02 12–8 49 0-4
ISCJB VIII 26 20 31 12.6–.40 33.05N–.03 115.57W–.03 9–5 **¶601839139**
NEIC VIII 26 20 31 13.4–.00 33.02N 115.54W 5 3.1L
ECX VIII 26 20 31 14.0–.44 33.03N 115.57W 4 3.1L,2.9

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=150.6.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0.
ISC VIII 26 20 57 57.9–.69 33.03N–.02 115.55W–.02 2–4 5.3s,4.7b 917 0-159
ISCJB VIII 26 20 57 56.9–.31 32.99N–.01 115.51W–.01 9–2 5.2s,4.6b **¶601626691**
BJI VIII 26 20 57 56.2 33.00N 115.50W 9 5.6s,5.5b
ECX VIII 26 20 57 58.9–.61 33.05N 115.59W 8 5.4L,5.2
NEIC VIII 26 20 57 58.2–.00 33.02N 115.55W 9 5.5W,5.4W
NEIC VIII 26 20 57 58.0–.00 32.32N 115.79W 11 5.5W,5.4W
IDC VIII 26 20 57 58.3–.51 33.12N 115.33W 0 5.1,5.1
MOS VIII 26 20 57 59.9–.99 33.19N 115.53W 17 5.3s,5.2b
MEX VIII 26 20 57 59.7–.70 33.09N 115.47W 17–999 5.6,5.2b
GCMT VIII 26 20 58 01.2–.10 32.95N–.01 115.56W–.01 12 5.5W,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Holtville and [IV] at Borrego Springs, Brawley, Calexico, El Centro, Imperial, Niland and San Diego. Felt [IV] at Mexicali and Rosarito and [III] in the Ensenada-Tijuana area, Baja California. Felt throughout southern California and southwestern Arizona. Also felt at Puerto Penasco and San Luis Rio Colorado, Sonora. After PAS.
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$2.15 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.69 $M_{\phi r}$-0.69 Best double couple: NP1:ϕ_s48.00000° ,δ74.00000°,λ-45.00000°. NP2:ϕ_s154.00000°,δ47.00000°,λ-158.00000°. Principal axes: T 2.5800,Plg16.0000°,Azm106.0000°; N -0.0800,Plg42.0000°,Azm212.0000° ; P -2.5000,Plg42.0000°,Azm0.0000° $M_0$2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c173; s138,c289;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.03 $M_{\theta\theta}$-1.62±.03; $M_{\phi\phi}$2.03±.02; $M_{r\theta}$-0.38±.07; $M_{\theta\phi}$0.96±.02; $M_{\phi r}$-0.38±.06; Best double couple: NP1:ϕ_s58.00000°,δ89.00000°,λ-14.00000°. NP2:ϕ_s149.00000°,δ76.00000°,λ-179.00000°. Principal axes: T 2.3440,Plg9.0000° ,Azm105.0000°; N -0.4330,Plg76.0000°,Azm235.0000°; P -1.9090,Plg11.0000° ,Azm13.0000° $M_0$2.12600×10^{17}
ISC VIII 26 21 15 29.5–.57 33.05N–.02 115.55W–.02 10 3.8b 134 0-40
ISCJB VIII 26 21 15 28.4–.20 33.03N–.01 115.53W–.02 10 3.7b **¶601626696**
NEIC VIII 26 21 15 29.1–.00 33.04N 115.54W 5 4.3L,4.1b
ECX VIII 26 21 15 29.2–.54 33.10N 115.57W 4 4.3L,4.2
IDC VIII 26 21 15 29.0–1.8 33.17N 115.49W 0 4.0,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=147.4.
NEIC Event type fe. Felt at Carlsbad, Coronado and San Diego. Felt [II] at Yuma, Arizona. Also felt at La Joya, Baja California. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=29.3km s-min=9.8km az=17.0.
ISC VIII 26 21 17 26.4–.97 33.00N–.03 115.64W–.03 18–5 41 0-5
ISCJB VIII 26 21 17 26.2–.43 32.97N–.03 115.61W–.03 25–5 **¶601837829**
NEIC VIII 26 21 17 26.7–.00 34.18N 115.61W 9 3.9L
ECX VIII 26 21 17 27.2–.61 33.01N 115.67W 9 3.9L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=151.3.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
ISC VIII 26 21 26 38.3–1.0 33.09N–.02 115.54W–.02 10–9 61 0-7
ISCJB VIII 26 21 26 38.9–.44 33.04N–.02 115.53W–.02 11–3 **¶601778060**
NEIC VIII 26 21 26 39.8–.00 33.03N 115.53W 8 3.8L
ECX VIII 26 21 26 40.2–.63 33.07N 115.57W 8 3.8L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=151.9.
NEIC Event type fe. Felt at Brawley and Indio. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
ISC VIII 26 21 42 50.3–1.0 33.01N–.03 115.56W–.02 15–9 35 0-6
ISCJB VIII 26 21 42 49.8–.55 33.02N–.03 115.54W–.03 11–4 **¶601783160**
NEIC VIII 26 21 42 51.0–.00 33.01N 115.54W 3 2.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=171.0.
NEIC Event type se. After PAS.
ISC VIII 26 22 01 58.5–.97 33.02N–.03 115.57W–.02 12–8 46 0-5
ISCJB VIII 26 22 01 57.6–.49 33.03N–.03 115.57W–.02 6–3 **¶601783151**
NEIC VIII 26 22 01 59.4–.00 33.02N 115.55W 10 2.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=169.6.
NEIC Event type se. After PAS.
ISC VIII 26 22 06 28.6–.85 33.02N–.02 115.56W–.02 17–6 99 0-5
ISCJB VIII 26 22 06 27.8–.32 33.02N–.02 115.55W–.02 10–2 **¶601778061**
MEX VIII 26 22 06 27.7–.40 33.27N 115.45W 15 3.7
NEIC VIII 26 22 06 28.7–.00 33.02N 115.54W 4 3.4L
ECX VIII 26 22 06 28.9–.53 33.06N 115.57W 4 3.4L,3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=157.7.
MEX Error ellipse: s-maj=5.8km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt at Borrego Springs, Indio and Santee. Also felt at Yuma, Arizona. After PAS.
ECX Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
ISC VIII 26 22 23 58.2–.98 33.06N–.03 115.56W–.02 16–8 45 0-2
ISCJB VIII 26 22 23 58.6–.38 33.04N–.03 115.55W–.03 16–8 **¶601783155**
NEIC VIII 26 22 23 58.8–.00 33.03N 115.54W 4 3.0L
ECX VIII 26 22 23 59.4–.44 33.03N 115.55W 4 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=150.7.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0.
ISC VIII 26 23 36 57.6–1.0 33.06N–.03 115.58W–.02 18–8 47 0-2
ISCJB VIII 26 23 36 57.4–.36 33.07N–.02 115.58W–.02 8–4 **¶601839140**
NEIC VIII 26 23 36 57.9–.00 33.04N 115.52W 8 3.2L
ECX VIII 26 23 36 58.9–.46 33.04N 115.58W 4 3.1L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=144.6.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.7km s-min=2.3km az=-1.0.
ISC VIII 26 23 53 13.7–.99 33.02N–.02 115.57W–.02 15–9 95 0-6
ISCJB VIII 26 23 53 13.5–.30 33.07N–.02 115.54W–.02 6–3 **¶601839141**
NEIC VIII 26 23 53 14.8–.00 33.03N 115.54W 13 3.3L
ECX VIII 26 23 53 16.4–.50 33.00N 115.61W 10 3.3L,3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=157.0.
NEIC Event type fe. Felt at La Quinta. After PAS.
ECX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
ISC VIII 27 00 12 25.2–.99 33.06N–.03 115.54W–.02 11–10 54 0-6
ISCJB VIII 27 00 12 24.6–.43 33.07N–.03 115.56W–.02 6–4 **¶601839142**
NEIC VIII 27 00 12 25.9–.00 33.04N 115.54W 9 3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=167.9.
NEIC Event type se. After PAS.
ISC VIII 27 04 41 36.9–.90 33.06N–.02 115.59W–.02 10–6 4.5b 264 0-146
ISCJB VIII 27 04 41 35.8–.31 33.03N–.01 115.55W–.01 11–2 7.6s,4.5b **¶601626912**
BJI VIII 27 04 41 35.2 33.00N 115.50W 10 5.2b,4.9b
ECX VIII 27 04 41 37.2–.47 33.09N 115.58W 4 4.9L,4.7
NEIC VIII 27 04 41 37.0–.00 33.02N 115.52W 4 4.9W,4.5b
MEX VIII 27 04 41 37.2–.80 33.16N 115.43W 15 4.8,4.5b
IDC VIII 27 04 41 37.4–.66 33.26N 115.19W 0 4.6,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=158.7.
ECX Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt at Brawley, El Centro, Hemet, Imperial, San Diego, San Jacinto, Thermal and Winterhaven. Also felt at Tijuana, Baja California. After PAS.
MEX Error ellipse: s-maj=7.1km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=11.3km az=51.0.
NEIC VIII 27 04 57 04.1–.00 33.05N 115.54W 9 2.8L
¶601626916
NEIC Event type se. After PAS.
ISC VIII 27 05 09 04.3–.91 33.07N–.02 115.57W–.02 15–8 68 0-6
ISCJB VIII 27 05 09 04.2–.35 33.07N–.02 115.57W–.02 11–3 **¶601702426**
NEIC VIII 27 05 09 05.1–.00 33.06N 115.54W 9 3.3L
ECX VIII 27 05 09 05.8–.53 33.08N 115.61W 9 3.2L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=150.2.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
ISC VIII 27 05 47 24.4–.99 33.03N–.03 115.55W–.02 9–10 67 0-6
NEIC VIII 27 05 47 24.7–.00 33.03N 115.53W 8 2.9L **¶601702428**
ISC Event type se.
NEIC Event type se. After PAS.
ISC VIII 27 06 31 27.4–.97 33.13N–.02 115.58W–.02 11–9 96 0-11
ECX VIII 27 06 31 28.0–.54 33.15N 115.53W 5 3.4L,3.2 **¶601702429**
NEIC VIII 27 06 31 28.8–.00 33.04N 115.53W 5 3.4L,3.2
ISC Event type fe.
ECX Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt at Calipatria. After PAS.
ISC VIII 27 17 47 51.3–.86 33.01N–.02 115.58W–.02 17–6 71 0-11
IDC VIII 27 17 47 47.5–2.7 32.77N 116.03W 0 3.3,3.2 **¶601751117**
ISCJB VIII 27 17 47 51.1–.25 33.01N–.02 115.58W–.02 24–3 3.3,3.2
MEX VIII 27 17 47 51.8–.88 33.15N 115.47W 16–183 3.8,3.2
NEIC VIII 27 17 47 51.5–.00 33.01N 115.57W 9 3.7L,3.2
ECX VIII 27 17 47 51.7–.50 33.05N 115.59W 4 3.8L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=15.6km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.7km az=156.3.
MEX Error ellipse: s-maj=148.9km s-min=90.6km az=-1.0.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
ISC VIII 28 02 01 19.4–.84 33.01N–.02 115.57W–.02 15–6 3.5s 170 0-101
ISCJB VIII 28 02 01 18.6–.30 33.02N–.02 115.58W–.01 10–2 3.6b,3.5s **¶601628309**
MEX VIII 28 02 01 19.6–.58 33.21N 115.52W 12–19 4.3,3.5s
NEIC VIII 28 02 01 19.9–.00 33.00N 115.57W 4 4.2W,4.2b
IDC VIII 28 02 01 19.7–1.8 33.00N 115.41W 0 3.9,3.7b
ECX VIII 28 02 01 20.3–.50 33.03N 115.59W 9 4.2L,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=162.5.
MEX Error ellipse: s-maj=15.5km s-min=6.9km az=-1.0.
NEIC Event type fe. Felt [IV] at Brawley, [III] at Imperial and [II] at El Centro. Also felt at Calexico, Calipatria, Campo, Carlsbad, Escondido, Hemet, Holtville, Ramona and San Diego. Felt at Yuma, Arizona and at Mexicali and Tijuana, Baja California. After PAS.
IDC Error ellipse: s-maj=27.9km s-min=11.7km az=29.0.
ECX Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
ISC VIII 29 20 30 58.6–1.1 33.81N–.02 117.81W–.02 5–9 167 0-36
IDC VIII 29 20 30 57.9–2.3 33.67N 118.14W 0 3.8,3.5 **¶601643234**
ISCJB VIII 29 20 30 59.2–.41 33.89N–.01 117.80W–.01 9–3 3.5b,3.5
NEIC VIII 29 20 31 00.3–.00 33.91N 117.79W 9 4.1L,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=33.2km s-min=16.5km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=28.0.
NEIC Event type fe. Felt [IV] at Anaheim, Brea, Chino, Fullerton, Placentia, Villa Park, Whittier and Yorba Linda. Felt throughout the greater Los Angeles area and as far as Indio, Ridgecrest and San Diego. After PAS.
ISC VIII 31 13 56 01.5–.90 33.06N–.02 115.55W–.02 16–7 70 0-4
ISCJB VIII 31 13 56 02.3–.30 33.01N–.02 115.55W–.02 24–4 **¶601819218**
NEIC VIII 31 13 56 02.7–.00 33.02N 115.54W 10 3.5L
ECX VIII 31 13 56 03.0–.56 33.04N 115.56W 8 3.5L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=155.4.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.1km s-min=1.5km az=-1.0.
ISC IX 10 15 44 41.2–1.2 33.26N–.02 115.75W–.02 1–11 93 0-7
ISCJB IX 10 15 44 41.6–.33 33.27N–.01 115.72W–.02 0–3 **¶601705104**
NEIC IX 10 15 44 42.7–.00 33.28N 115.71W 3 3.3L
ECX IX 10 15 44 44.1–.69 33.25N 115.77W 8 3.3L,2.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=135.3.
NEIC Event type fe. Felt at Descanso and Rancho Mirage. After PAS.
ECX Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0.
ISC X 08 00 39 07.8–.82 33.02N–.02 116.30W–.02 14–6 162 0-11
ISCJB X 08 00 39 07.6–.32 33.00N–.01 116.31W–.01 12–2 **¶601794296**
NEIC X 08 00 39 08.3–.00 33.01N 116.31W 11 4.2L
ECX X 08 00 39 08.8–.64 33.01N 116.32W 10 4.2L,4.0
MEX X 08 00 39 09.3–1.2 33.13N 116.56W 16–65 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=176.6.
NEIC Event type fe. Felt [IV] at Pine Valley and [III] at Alpine, Borrego Springs, Descanso, El Cajon, Escondido, Julian, La Mesa, Ramona, Rancho Santa Fe and Warner Springs. Felt in much of San Diego County and in parts of Imperial, Orange and Riverside Counties. Also felt at Tecate, Baja California. After PAS.
ECX Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
MEX Error ellipse: s-maj=53.1km s-min=27.9km az=-1.0.
ISC X 28 07 47 02.3–.94 33.68N–.02 116.81W–.02 16–8 116 0-8
ISCJB X 28 07 47 02.7–.24 33.66N–.02 116.80W–.02 26–2 **¶602032249**
NEIC X 28 07 47 03.0–.00 33.69N 116.81W 19 3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=23.2.
NEIC Event type fe. Felt [IV] at Canyon Country, Granada Hills and Idyllwild; [III] at Aguanga, Bonsall, Cathedral City, Hemet, Homeland, Indian Wells, Indio, La Quinta, Los Angeles, Menifee, Moreno Valley, Mountain Center, Newhall, Norco, Nuevo, Palm Desert, Palm Springs, Porter Ranch, San Diego, San Jacinto, Santa Clarita, Santee, Sun City, Sylmar, Temecula, Van Nuys, Warner Springs, West Hollywood, Winchester and Yucaipa. Felt from Santa Clarita to the Mexican border and east to Salton Sea. After PAS.
ISC X 28 15 24 23.7–.87 34.33N–.02 118.45W–.02 11–6 126 0-13
ISCJB X 28 15 24 22.6–.36 34.32N–.02 118.48W–.02 9–3 **¶601857796**
NEIC X 28 15 24 23.4–.00 34.35N 118.46W 4 3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.3km az=37.8.
NEIC Event type fe. Felt [III] at Beverly Hills, Burbank, Canyon Country, Chatsworth, Glendale, Granada Hills, Hemet, Los Angeles, Mission Hills, Montrose, Newhall, North Hills, North Hollywood, Northridge, Panorama City, Porter Ranch, Reseda, San Fernando, Santa Clarita, Santa Monica, Stevenson Ranch, Studio City, Sylmar, Valencia, Valley Village, Van Nuys and West Hollywood. Felt throughout the Los Angeles Basin. After PAS.
ISC X 28 16 21 07.8–1.1 34.35N–.02 118.45W–.03 9–8 29 0-2
ISCJB X 28 16 21 07.7–.40 34.35N–.02 118.46W–.03 7–4 **¶602566811**
NEIC X 28 16 21 08.1–.00 34.35N 118.46W 3 2.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=163.7.
NEIC Event type fe. Felt [II] at Canyon Country, Granada Hills, Newhall, Porter Ranch, Santa Clarita, Valencia and Van Nuys. Felt in the Chatsworth-Los Angeles-La Canada Flintridge area. After PAS.
ISC XI 06 11 25 28.2–.89 34.36N–.02 116.91W–.02 8–7 67 0-23
ANF XI 06 11 25 27.4–.11 34.35N 116.91W 12–1 2.1L **¶602051295**
SCEDC XI 06 11 25 28.6 34.36N 116.90W 6 2.1L
PAS XI 06 11 25 28.6 34.36N 116.90W 6 2.2L
NEIC XI 06 11 25 28.6–.00 34.36N 116.90W 6 2.2L
ISC Event type fe.
ANF Error ellipse: s-maj=1.0km s-min=0.8km az=77.0.
NEIC Event type fe. Felt at Big Bear Lake. After PAS.
ISC XI 22 14 03 32.5–.91 33.89N–.02 118.44W–.02 11–7 69 0-4
NEIC XI 22 14 03 32.7–.00 33.90N 118.46W 10 2.8L **¶602060007**
PAS XI 22 14 03 32.7 33.90N 118.46W 10 2.8L
SCEDC XI 22 14 03 32.7 33.90N 118.46W 10 2.8L
ANF XI 22 14 03 32.3–.18 33.90N 118.43W 10–1 2.8L
ISC Event type fe.
NEIC Event type fe. Felt [III] at El Segundo, Inglewood, Manhattan Beach, Playa del Rey and Santa Monica; [II] at Culver City, Hawthorne, Hermosa Beach, Los Angeles, Marina del Rey, Redondo Beach, Torrance and Venice. Also felt at Carson, Harbor City, Palos Verdes Peninsula and Sunset Beach. After PAS.
ANF Error ellipse: s-maj=1.6km s-min=1.3km az=80.0.
NEIC XI 26 15 33 50.7–.00 33.00N 116.24W 6 3.6L

¶601994586
NEIC Event type fe. Felt [II] at Alpine, Borrego Springs and Pine Valley. Felt in much of San Diego County. After PAS.
ISC XII 14 23 34 39.1–.92 33.87N–.02 115.99W–.02 8–7 137 0-11
IDC XII 14 23 34 39.0–2.3 33.91N 115.89W 0 3.7L,3.6 ¶602340339
ANF XII 14 23 34 38.5–.19 33.85N 115.99W 12–1 3.6L,3.6
NEIC XII 14 23 34 39.5–.00 33.89N 115.99W 2 3.5L,3.6
SCEDC XII 14 23 34 39.5 33.89N 115.99W 2 3.5L,3.6
PAS XII 14 23 34 39.5 33.89N 115.99W 2 3.5L,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=33.9km s-min=12.3km az=45.0.
ANF Error ellipse: s-maj=1.5km s-min=1.3km az=123.0.
NEIC Event type fe. Felt at Desert Center, El Cajon, Escondido, Indio, La Quinta, Palm Desert, Rancho Mirage, Riverside and San Diego. After PAS.
ISC XII 22 21 37 44.6–.88 33.03N–.01 116.23W–.01 10–7 191 0-11
ISCJB XII 22 21 37 43.9–.28 33.01N–.01 116.22W–.01 5–2 ¶602374102
NEIC XII 22 21 37 44.9–.00 33.00N 116.25W 1 4.0L
ANF XII 22 21 37 44.1–.16 33.03N 116.23W 8–1 3.9L
PAS XII 22 21 37 44.9 33.00N 116.25W 1 4.0L
ECX XII 22 21 37 45.5–.62 33.00N 116.24W 4 4.0L,3.7
MEX XII 22 21 37 46.9–.49 33.08N 116.90W 20 4.0,3.7
IDC XII 22 21 37 52.9–2.5 33.42N 115.65W 0 3.4,3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=173.5.
NEIC Event type fe. Felt [III] at San Diego and [II] at Alpine, Borrego Springs, Escondido and Pine Valley. Felt in much of southern California. Felt at Rosarito, Baja California. After PAS.
ANF Error ellipse: s-maj=1.4km s-min=1.2km az=14.0.
ECX Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
MEX Error ellipse: s-maj=8.8km s-min=18.7km az=-1.0.
IDC Error ellipse: s-maj=36.9km s-min=12.6km az=42.0.

(45) California-Baja California border region.

ISC VII 01 03 25 19.5–.58 32.22N–.02 115.35W–.01 3–4 4.6b,4.1s 710 0-119
ISCJB VII 01 03 25 18.0–.40 32.17N–.02 115.29W–.01 3–2 4.5b,4.1s ¶601218161
GCMT VII 01 03 25 20.8–.50 32.23N 115.37W 18–1 4.8W,4.1s
NEIC VII 01 03 25 20.8–.00 32.21N 115.30W 8 4.6W,4.5L
ECX VII 01 03 25 20.8–.52 32.21N 115.32W 8 4.7L,4.5
MEX VII 01 03 25 22.5–.38 32.30N 115.30W 8–7 4.3,4.5
IDC VII 01 03 25 23.1–.91 32.40N 114.91W 0 4.3,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=19.8.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s9,c9; s69,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.12 $M_{\theta\theta}$-1.39±.10; $M_{\phi\phi}$1.69±.10; $M_{r\theta}$-0.73±.26; $M_{\theta\phi}$-1.19±.10; $M_{\phi r}$0.29±.20; Best double couple: NP1:ϕ_s118.00000°,δ84.00000°,λ-157.00000°. NP2:ϕ_s25.00000°,δ67.00000°,λ-6.00000°. Principal axes: T 2.2030,Plg12.0000°,Azm249.0000°; N -0.1930,Plg66.0000°,Azm130.0000°; P -2.0150,Plg20.0000°,Azm344.0000° M_o2.10900×10^{16}
NEIC Event type fe. Felt [III] at Alberto Oviedo Mota and Mexicali and [II] at Rosarito and Tijuana. Also felt at Ensenada, Guadalupe Victoria and Rosarito. Felt [IV] at El Cajon and [III] at Calexico, El Centro, La Jolla, Lakeside and San Diego, California. Felt in much of southern California. Felt [III] at Yuma and [II] at Somerton, Arizona. Also felt at San Luis Río Colorado, Sonora. After ECX. Moment Tensor Solution.
ECX Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
MEX Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=52.0.
ISC VII 01 03 33 46.0–.85 32.24N–.03 115.31W–.02 12–6 88 0-8
ISCJB VII 01 03 33 45.6–.53 32.25N–.03 115.23W–.02 12–4 ¶601532789
NEIC VII 01 03 33 47.8–.00 32.20N 115.30W 7 3.5L,3.3L
MEX VII 01 03 33 47.0–.45 32.41N 115.05W 24–5 3.9,3.3L
ECX VII 01 03 33 47.8–.54 32.20N 115.31W 8 3.5L,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=15.5.
NEIC Event type fe. Felt at San Luis Río Colorado, Sonora. Also felt at Chula Vista and San Diego, California and at Yuma, Arizona. After ECX.
MEX Error ellipse: s-maj=3.6km s-min=5.8km az=-1.0.
ECX Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
ISC VII 01 04 28 26.1–1.9 32.36N–.09 115.2W–.10 24–8 18 0-1
MEX VII 01 04 28 25.5–.46 32.56N 114.97W 16–111 3.7 ¶602767993
ISCJB VII 01 04 28 26.4–1.1 32.34N–.05 115.24W–.07 21–6 3.7
ECX VII 01 04 28 28.1–.61 32.27N 115.29W 5 2.5L,2.3
ISC Event type ke.
MEX Error ellipse: s-maj=71.2km s-min=98.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.2km az=139.9.
ECX Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
ISC VII 01 05 52 39.8–1.0 32.20N–.02 115.32W–.02 7–8 97 0-11
ISCJB VII 01 05 52 39.5–.49 32.23N–.02 115.26W–.02 10–3 ¶602540357
MEX VII 01 05 52 40.7–.53 32.41N 115.04W 27–5 3.9
ECX VII 01 05 52 41.4–.64 32.19N 115.31W 8 3.6L,3.4
NEIC VII 01 05 52 41.4–.00 32.19N 115.31W 8 3.6,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=17.9.
MEX Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
NEIC Event type fe. Felt at San Diego, California. After ECX.
ISC VII 01 06 29 17.4–1.0 32.22N–.03 115.28W–.03 13–8 41 0-3
ISCJB VII 01 06 29 17.8–.65 32.22N–.02 115.25W–.03 10–5 ¶602605545
ECX VII 01 06 29 19.4–.58 32.21N 115.28W 6 2.8L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=167.3.
ECX Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
ISC VII 01 06 36 06.2–.99 32.20N–.02 115.31W–.02 6–7 4.6b,4.1s 624 0-119
BJI VII 01 06 36 01.9 31.86N 115.63W 6 4.9b,4.6s ¶601218173
ISCJB VII 01 06 36 04.9–.41 32.18N–.01 115.28W–.01 5–2 4.5b,4.0s
ECX VII 01 06 36 07.2–.59 32.20N 115.31W 8 4.8L,4.6
NEIC VII 01 06 36 07.3–.00 32.19N 115.31W 8 4.8,4.7W
GCMT VII 01 06 36 07.3–.40 32.18N 115.24W 12 4.8W,4.7W
MEX VII 01 06 36 08.3–.37 32.29N 115.17W 17–8 4.2,4.7W
IDC VII 01 06 36 10.9–3.3 32.31N 115.09W 30–22 4.2,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=22.5.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type fe. Felt [III] at Mexicali and [II] at Alberto Oviedo Mota and Ensenada. Also felt at Tijuana. Felt [IV] at El Centro and [III] at Calexico, Chula Vista, El Cajon, Lakeside, Ocotillo and San Diego, California. Felt [III] at Yuma and [II] at Somerton, Arizona. After ECX.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s9,c10; s78,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.09 $M_{\theta\theta}$-1.65±.09; $M_{\phi\phi}$1.67±.06; $M_{r\theta}$-0.29±.25; $M_{\theta\phi}$-0.71±.07; $M_{\phi r}$-1.46±.21; Best double couple: NP1:ϕ_s213.00000°,δ85.00000°,λ36.00000°. NP2:ϕ_s119.00000°,δ54.00000°,λ174.00000°. Principal axes: T 2.5680,Plg29.0000°,Azm83.0000°; N -0.5430,Plg53.0000°,Azm220.0000°; P -2.0180,Plg21.0000°,Azm341.0000° M_o2.29300×10^{16}
MEX Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=9.7km az=44.0.
ISC VII 01 06 49 58.0–.94 32.19N–.02 115.30W–.02 11–8 84 0-8
ISCJB VII 01 06 49 57.3–.53 32.20N–.02 115.27W–.02 9–4 ¶601532788
MEX VII 01 06 49 58.8–.78 32.35N 115.08W 33–6 3.9
NEIC VII 01 06 49 59.1–.00 32.21N 115.28W 6 3.6L,3.5L
ECX VII 01 06 49 59.1–.68 32.20N 115.28W 6 3.6L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=5.2.
MEX Error ellipse: s-maj=6.4km s-min=8.0km az=-1.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
ISC VII 01 07 54 20.3–1.2 32.19N–.03 115.28W–.02 2–9 3.0s 137 0-38
IDC VII 01 07 54 21.6–1.6 32.17N 115.16W 0 3.5,3.4 ¶601224674
ECX VII 01 07 54 21.7–.61 32.20N 115.29W 8 4.2L,4.0
NEIC VII 01 07 54 21.8–.00 32.20N 115.29W 8 4.2,4.2b
MEX VII 01 07 54 22.3–.30 32.38N 115.11W 20–3 4.1,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=10.0km az=36.0.
ECX Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt at Mexicali. Also felt at Calexico, Campo and El Centro, California and at Yuma, Arizona. After ECX.
MEX Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0.
ISC VII 01 08 06 31.4–.98 32.21N–.03 115.29W–.04 11–9 23 0-1
ISCJB VII 01 08 06 31.9–.70 32.22N–.04 115.28W–.05 10–8 ¶602767988
ECX VII 01 08 06 33.0–.59 32.19N 115.27W 8 2.8L
MEX VII 01 08 06 33.8–.31 32.34N 115.12W 23–5 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.4km az=142.1.
ECX Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
MEX Error ellipse: s-maj=2.8km s-min=4.2km az=-1.0.
ISC VII 01 08 10 17.4–1.0 32.30N–.05 115.22W–.06 24–6 28 0-1
MEX VII 01 08 10 18.4–.43 32.41N 115.07W 27–3 3.9 ¶602767986
ECX VII 01 08 10 19.0–.58 32.21N 115.29W 7 2.8L,2.6
ISC Event type ke.
MEX Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
ECX Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.
ISC VII 01 10 49 54.9–1.0 32.20N–.04 115.29W–.05 11–12 22 0-1
ISCJB VII 01 10 49 55.0–.69 32.22N–.04 115.26W–.06 11–8 ¶602767974
ECX VII 01 10 49 56.0–.48 32.19N 115.29W 6 2.3L,2.1
MEX VII 01 10 49 57.3–.43 32.36N 115.12W 20–4 3.7,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.6km az=140.9.
ECX Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=3.2km s-min=5.1km az=-1.0.
ECX VII 01 11 24 30.1–.61 32.22N 115.30W 8 3.1L,2.9
NEIC VII 01 11 24 30.1–.00 32.22N 115.29W 8 2.9L,2.9L ¶601258336
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
NEIC Event type se. After ECX.
ISC VII 01 11 49 16.0–1.1 32.23N–.03 115.24W–.04 19–2 27 0-2
ISCJB VII 01 11 49 16.2–.67 32.22N–.04 115.27W–.05 11–7 ¶602767971
ECX VII 01 11 49 17.5–.50 32.19N 115.28W 8 2.8L,2.6
MEX VII 01 11 49 17.4–.33 32.35N 115.06W 24–5 3.9,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=145.9.
ECX Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=3.1km s-min=4.4km az=-1.0.
ISC VII 01 12 54 56.8–1.0 32.19N–.02 115.28W–.02 8–9 72 0-8
ISCJB VII 01 12 54 56.4–.56 32.22N–.02 115.23W–.02 12–4 ¶601465733
NEIC VII 01 12 54 58.0–.00 32.21N 115.26W 6 3.0L,2.9L
ECX VII 01 12 54 58.0–.60 32.21N 115.26W 6 3.3L,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=174.5.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VII 01 14 45 07.5–.90 32.21N–.02 115.27W–.02 14–7 65 0-5
ISCJB VII 01 14 45 07.6–.52 32.22N–.02 115.24W–.03 12–3 ¶601562057
NEIC VII 01 14 45 09.1–.00 32.20N 115.26W 6 3.2L,2.9L
ECX VII 01 14 45 09.1–.53 32.20N 115.26W 6 3.2L,3.0
MEX VII 01 14 45 09.9–.46 32.32N 115.14W 20–9 3.8,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.5km az=143.6.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=4.2km s-min=6.1km az=-1.0.
ISC VII 01 22 09 44.5–1.1 32.20N–.03 115.31W–.03 12–11 29 0-1
ISCJB VII 01 22 09 44.7–.60 32.22N–.03 115.28W–.04 12–6 ¶602767950
ECX VII 01 22 09 45.9–.57 32.20N 115.27W 6 3.0L,2.8
MEX VII 01 22 09 46.5–.30 32.25N 115.29W 7–9 3.7,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=150.8.
ECX Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=3.4km s-min=5.8km az=-1.0.
ISC VII 02 00 12 43.2–1.0 32.19N–.03 115.35W–.03 13–11 29 0-1
ISCJB VII 02 00 12 43.6–.61 32.21N–.03 115.33W–.04 13–6 ¶602768011
ECX VII 02 00 12 44.8–.50 32.20N 115.32W 6 2.6L,2.4
MEX VII 02 00 12 45.2–.35 32.24N 115.31W 10–12 3.7,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=150.5.
ECX Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
MEX Error ellipse: s-maj=5.0km s-min=8.3km az=-1.0.
ISC VII 02 02 52 32.4–1.2 32.24N–.03 115.29W–.03 14–11 28 0-1
ISCJB VII 02 02 52 33.4–.59 32.23N–.03 115.30W–.05 13–6 ¶602768001
ECX VII 02 02 52 34.6–.49 32.21N 115.28W 6 2.6L,2.4
MEX VII 02 02 52 35.7–.46 32.30N 115.22W 16–44 3.7,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=146.7.
ECX Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
MEX Error ellipse: s-maj=33.1km s-min=49.5km az=-1.0.
ISC VII 02 05 40 25.7–.98 32.21N–.02 115.28W–.02 16–7 98 0-5
ISCJB VII 02 05 40 26.1–.49 32.22N–.02 115.22W–.02 12–3 ¶601532797
NEIC VII 02 05 40 27.9–.00 32.20N 115.27W 6 2.9L,2.7L
ECX VII 02 05 40 27.9–.57 32.20N 115.27W 6 3.0L,2.7
MEX VII 02 05 40 29.0–.60 32.28N 115.21W 15–78 3.9,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=20.7.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=53.2km s-min=81.9km az=-1.0.
ISC VII 02 08 20 08.1–1.7 32.20N–.03 115.33W–.04 9–28 26 0-1
ISCJB VII 02 08 20 08.2–.66 32.23N–.04 115.31W–.05 11–8 ¶602768025
ECX VII 02 08 20 09.7–.46 32.21N 115.30W 6 2.6L,2.4
MEX VII 02 08 20 10.5–.44 32.32N 115.20W 16–17 3.7,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=151.7.
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=15.4km s-min=22.4km az=-1.0.
ISC VII 02 12 02 24.3–.96 32.20N–.04 115.28W–.04 12–11 28 0-1
ISCJB VII 02 12 02 24.5–.64 32.21N–.03 115.28W–.05 11–7 ¶602768019
ECX VII 02 12 02 25.8–.55 32.20N 115.26W 6 2.7L,2.5
MEX VII 02 12 02 26.7–.54 32.28N 115.18W 14–37 3.8,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=150.0.
ECX Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
MEX Error ellipse: s-maj=28.8km s-min=44.2km az=-1.0.
ISC VII 02 16 25 04.3–.95 32.20N–.04 115.29W–.05 12–11 26 0-1
ISCJB VII 02 16 25 04.1–.57 32.19N–.03 115.31W–.05 2–10 ¶602768016
ECX VII 02 16 25 05.7–.61 32.20N 115.25W 6 2.6L,2.4
MEX VII 02 16 25 06.8–.42 32.29N 115.15W 16–51 3.7,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.4km az=152.5.
ECX Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
MEX Error ellipse: s-maj=35.2km s-min=55.3km az=-1.0.
ISC VII 02 19 53 52.8–1.0 32.25N–.04 115.27W–.04 25–8 30 0-1
ECX VII 02 19 53 55.0–.50 32.20N 115.32W 6 3.0L,2.8 ¶602768014
MEX VII 02 19 53 56.2–.40 32.26N 115.23W 16–5 3.8,2.8
ISC Event type ke.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0.
ISC VII 06 19 44 10.2–1.0 32.19N–.02 115.24W–.02 12–8 80 0-6
ISCJB VII 06 19 44 10.2–.53 32.19N–.02 115.21W–.02 11–3 ¶601556021
ECX VII 06 19 44 11.9–.63 32.20N 115.24W 6 2.9L,2.7
NEIC VII 06 19 44 11.9–.00 32.20N 115.24W 6 2.9L,2.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.0km az=5.9.
ECX Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
NEIC Event type se. After ECX.
ISC VII 07 09 49 07.8–.94 32.13N–.02 115.30W–.02 16–7 114 0-7
ECX VII 07 09 49 09.6–.60 32.16N 115.27W 6 3.5L,3.3 ¶601562084
NEIC VII 07 09 49 09.6–.00 32.16N 115.27W 6 3.9,3.5

MEX VII 07 09 49 10.5–.50 32.21N 115.15W 13–16 3.9,3.5
ISC Event type se.
ECX Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
NEIC Event type se. After ECX.
MEX Error ellipse: s-maj=10.1km s-min=17.0km az=-1.0.
ISC VII 10 12 37 39.3–.00 32.23N–.02 115.32W–.02 18–9 99 0-7
ISCJB VII 10 12 37 39.1–.42 32.19N–.02 115.24W–.02 9–2 **¶601626165**
MEX VII 10 12 37 39.6–.27 32.42N 114.98W 29–3 3.8
ECX VII 10 12 37 41.4–.57 32.23N 115.31W 6 3.2L,3.0
NEIC VII 10 12 37 41.4–.00 32.23N 115.31W 6 3.2L,3.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=25.8.
MEX Error ellipse: s-maj=4.0km s-min=6.6km az=-1.0.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
NEIC Event type se. After ECX.
ISC VII 10 15 39 40.2–.92 32.38N–.04 115.28W–.04 20–5 27 0-1
ISCJB VII 10 15 39 40.9–.57 32.36N–.04 115.29W–.04 18–6 **¶602768071**
MEX VII 10 15 39 41.5–.57 32.52N 115.11W 14–3 3.6
ECX VII 10 15 39 41.9–.61 32.32N 115.30W 5 2.7L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=35.3.
MEX Error ellipse: s-maj=6.1km s-min=7.2km az=-1.0.
ECX Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ECX VII 11 19 20 20.7–.65 32.24N 115.27W 5 2.8L,2.6
NEIC VII 11 19 20 20.5–.00 32.25N 115.25W 5 2.6L,2.4L **¶601625015**
ECX Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0.
NEIC Event type se. After ECX.
ISC VII 12 08 49 44.8–.93 32.22N–.02 115.30W–.02 18–2 125 0-8
ISCJB VII 12 08 49 44.5–.33 32.21N–.02 115.24W–.02 19–3 **¶601625026**
ECX VII 12 08 49 45.7–.62 32.21N 115.30W 6 3.6L,3.3
MEX VII 12 08 49 45.7–.52 32.38N 115.12W 29–5 3.7,3.3
NEIC VII 12 08 49 45.7–.00 32.21N 115.30W 6 3.4L,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=1.0.
ECX Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=3.6km s-min=5.6km az=-1.0.
NEIC Event type se. After ECX.
ISC VII 18 10 17 23.7–.99 32.22N–.02 115.28W–.03 17–8 66 0-6
ISCJB VII 18 10 17 24.0–.38 32.25N–.02 115.21W–.03 28–3 **¶601565546**
NEIC VII 18 10 17 25.5–.00 32.20N 115.31W 6 3.8,3.3
ECX VII 18 10 17 25.5–.57 32.20N 115.31W 6 3.3L,3.0
MEX VII 18 10 17 26.5–.26 32.28N 115.20W 17–12 3.8,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=140.4.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=0.9km s-min=2.0km az=-1.0.
MEX Error ellipse: s-maj=2.4km s-min=3.5km az=-1.0.
ISC VII 18 11 58 34.0–1.0 32.17N–.02 115.23W–.02 19–2 101 0-10
ISCJB VII 18 11 58 34.0–.35 32.16N–.02 115.22W–.02 22–3 **¶601565547**
NEIC VII 18 11 58 35.1–.00 32.15N 115.24W 9 3.8,3.8
ECX VII 18 11 58 35.1–.54 32.15N 115.24W 9 3.8L,3.6
MEX VII 18 11 58 36.1–.54 32.22N 115.15W 17–68 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=23.1.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
MEX Error ellipse: s-maj=44.9km s-min=75.2km az=-1.0.
ISC VII 18 12 20 41.7–1.3 32.14N–.03 115.31W–.02 4–10 92 0-10
ISCJB VII 18 12 20 41.6–.58 32.12N–.02 115.20W–.02 5–4 **¶601565548**
NEIC VII 18 12 20 44.8–.00 32.16N 115.25W 6 3.8,3.5
ECX VII 18 12 20 44.8–.56 32.16N 115.25W 6 3.5L,3.3
MEX VII 18 12 20 46.3–.49 32.25N 115.20W 16–6 3.8,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=24.1.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
MEX Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISC VII 18 18 09 15.6–.95 32.18N–.03 115.25W–.02 22–2 82 0-10
ISCJB VII 18 18 09 15.5–.36 32.21N–.02 115.24W–.02 23–3 **¶601669831**
NEIC VII 18 18 09 16.9–.00 32.20N 115.25W 6 3.7L,3.6L
ECX VII 18 18 09 16.9–.57 32.20N 115.26W 6 3.8L,3.6
MEX VII 18 18 09 17.9–.46 32.27N 115.18W 16–34 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=19.2.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
MEX Error ellipse: s-maj=25.9km s-min=40.4km az=-1.0.
ISC VII 19 08 56 33.3–.00 32.23N–.03 115.25W–.03 18–3 59 0-4
ISCJB VII 19 08 56 33.3–.53 32.21N–.03 115.23W–.03 21–4 **¶601565810**
ECX VII 19 08 56 34.8–.52 32.21N 115.29W 6 3.1L,2.9
NEIC VII 19 08 56 34.8–.00 32.21N 115.29W 6 3.1,3.0L
MEX VII 19 08 56 35.7–.35 32.26N 115.22W 10–3 3.8,3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=0.4.
ECX Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
NEIC Event type se. After ECX.
MEX Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0.
ECX VII 19 08 59 20.9–.45 32.22N 115.30W 6 2.8L,2.6
NEIC VII 19 08 59 21.0–.00 32.21N 115.30W 6 2.8,2.7L **¶601664854**
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
NEIC Event type se. After ECX.
ISC VII 21 13 57 25.5–.95 32.15N–.02 115.23W–.02 17–8 67 0-8
ISCJB VII 21 13 57 25.3–.53 32.12N–.02 115.16W–.03 13–4 **¶601696344**
NEIC VII 21 13 57 27.1–.00 32.13N 115.23W 8 3.2L,3.2L
ECX VII 21 13 57 27.1–.65 32.13N 115.23W 8 3.4L,3.2
MEX VII 21 13 57 28.2–.51 32.21N 115.14W 12–999 3.9,3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.2km az=170.5.
NEIC Event type fe. Felt at Brawley, California. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VII 27 09 51 43.7–1.3 32.53N–.05 115.67W–.04 18–8 23 0-1
ISCJB VII 27 09 51 44.7–.51 32.55N–.06 115.69W–.04 10–8 **¶602768141**
ECX VII 27 09 51 45.8–.54 32.56N 115.68W 4 2.5L,2.3
MEX VII 27 09 51 47.1–.41 32.49N 115.63W 16–7 3.9,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.1km az=19.8.
ECX Error ellipse: s-maj=0.9km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=36.6km s-min=3.5km az=-1.0.
ISC VII 29 15 17 25.2–1.1 32.29N–.04 115.27W–.04 25–9 28 0-1
ISCJB VII 29 15 17 25.9–.57 32.27N–.03 115.29W–.05 21–7 **¶602768143**
ECX VII 29 15 17 26.8–.42 32.25N 115.31W 6 2.6L,2.4
MEX VII 29 15 17 27.7–.44 32.31N 115.23W 12–71 3.7,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=10.1.
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=47.9km s-min=69.6km az=-1.0.
ISC VIII 01 00 25 58.8–1.0 32.30N–.03 115.24W–.04 23–7 49 0-2
ISCJB VIII 01 00 25 59.0–.58 32.28N–.02 115.31W–.03 13–4 **¶602709260**
MEX VIII 01 00 25 59.5–.59 32.38N 115.08W 26–13 3.8
ECX VIII 01 00 25 59.9–.58 32.23N 115.29W 6 2.8L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=178.6.
MEX Error ellipse: s-maj=6.6km s-min=8.6km az=-1.0.
ECX Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 02 19 27 55.1–.97 32.23N–.03 115.21W–.03 24–7 52 0-4
ISCJB VIII 02 19 27 55.3–.46 32.24N–.03 115.20W–.03 27–3 **¶602709729**
ECX VIII 02 19 27 56.6–.66 32.19N 115.25W 8 3.1L,2.9
MEX VIII 02 19 27 57.4–.51 32.23N 115.15W 13–57 3.3,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.5km az=21.1.
ECX Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.
MEX Error ellipse: s-maj=39.1km s-min=64.3km az=-1.0.
ISC VIII 03 18 05 30.5–.98 32.78N–.02 115.44W–.02 18–3 108 0-11
ISCJB VIII 03 18 05 30.6–.27 32.78N–.02 115.42W–.02 28–2 **¶601520200**
NEIC VIII 03 18 05 31.7–.00 32.79N 115.45W 12 3.3L
ECX VIII 03 18 05 32.3–.67 32.78N 115.47W 11 3.3L,3.0
MEX VIII 03 18 05 33.0–.49 32.83N 115.38W 20–14 3.9,3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=156.9.
NEIC Event type fe. Felt [III] at El Centro and Holtville. Also felt at Brawley, Calexico and Heber. Felt [III] at Mexicali, Baja California. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
MEX Error ellipse: s-maj=9.2km s-min=4.5km az=-1.0.
ISC VIII 11 09 19 33.7–1.1 32.14N–.03 115.27W–.02 12–9 60 0-5
ISCJB VIII 11 09 19 33.7–.64 32.13N–.02 115.20W–.03 6–5 **¶601734890**
MEX VIII 11 09 19 36.5–.48 32.22N 115.15W 12–66 3.8
NEIC VIII 11 09 19 36.9–.00 32.19N 115.28W 6 3.1,2.8L
ECX VIII 11 09 19 36.9–.44 32.19N 115.28W 6 3.1L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=162.3.
MEX Error ellipse: s-maj=40.5km s-min=69.6km az=-1.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 12 06 22 03.1–1.1 32.09N–.02 115.15W–.03 15–9 63 0-7
ISCJB VIII 12 06 22 03.9–.40 32.12N–.02 115.12W–.03 26–4 **¶601734902**
MEX VIII 12 06 22 05.5–.95 32.18N 115.01W 16–22 3.9
NEIC VIII 12 06 22 05.7–.00 32.08N 115.21W 8 3.9,3.7
ECX VIII 12 06 22 05.7–.63 32.08N 115.21W 8 3.7L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.7km az=167.1.
MEX Error ellipse: s-maj=14.1km s-min=24.3km az=-1.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1:ϕ_s82.02000°,δ64.34000°,λ16.10000°.
ISC VIII 14 12 41 46.8–1.0 32.09N–.05 116.30W–.09 28–13 17 0-1
ECX VIII 14 12 41 48.3–.58 32.04N 116.33W 6 2.6L,2.4 **¶602768192**
MEX VIII 14 12 41 49.1–.39 32.01N 116.56W 36–19 3.5,2.4
ISC Event type ke.
ECX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
MEX Error ellipse: s-maj=12.3km s-min=19.3km az=-1.0.
ISC VIII 17 12 11 15.4–.56 32.59N–.02 115.34W–.02 13–5 87 0-6
ISCJB VIII 17 12 11 14.2–.45 32.60N–.02 115.32W–.02 11–3 **¶601738896**
MEX VIII 17 12 11 16.3–.40 32.65N 115.26W 10–4 4.0
NEIC VIII 17 12 11 16.3–.00 32.60N 115.34W 8 3.0,2.9L
ECX VIII 17 12 11 16.3–.60 32.59N 115.33W 8 3.0L,2.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=177.1.
MEX Error ellipse: s-maj=5.1km s-min=2.9km az=-1.0.
NEIC Event type fe. Felt at Ensenada. After ECX.
ECX Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
ISC VIII 19 10 26 19.8–.86 32.94N–.02 116.27W–.03 16–6 46 0-2
ISCJB VIII 19 10 26 20.2–.37 32.93N–.02 116.25W–.03 12–3 **¶602709920**
ECX VIII 19 10 26 21.1–.64 32.90N 116.24W 3–2 2.5L,2.3
MEX VIII 19 10 26 22.1–.34 33.02N 116.80W 15–999 3.6,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=2.6.
ECX Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=999.9km s-min=576.8km az=-1.0.
ISC VIII 21 13 58 06.8–1.2 32.15N–.03 115.23W–.02 10–10 71 1-8
NEIC VIII 21 13 58 09.6–.00 32.13N 115.23W 10 3.4L,3.3L **¶601783135**
ECX VIII 21 13 58 09.7–.63 32.13N 115.24W 10 3.4L,3.2
ISC Event type se.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
ISC VIII 23 05 39 40.1–.96 32.54N–.02 115.61W–.02 12–8 73 0-5
ISCJB VIII 23 05 39 40.6–.30 32.54N–.02 115.60W–.02 24–3 **¶601766372**
NEIC VIII 23 05 39 41.8–.00 32.51N 115.64W 3 2.8,2.5L
ECX VIII 23 05 39 41.8–.53 32.51N 115.64W 3 2.8L,2.6
MEX VIII 23 05 39 42.8–1.0 32.45N 115.54W 16–44 3.5,2.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=12.8.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
MEX Error ellipse: s-maj=118.4km s-min=11.3km az=-1.0.
ISC VIII 24 19 52 47.9–.98 32.33N–.03 115.35W–.02 14–5 53 0-5
ISCJB VIII 24 19 52 48.2–.51 32.34N–.02 115.35W–.03 11–3 **¶601626181**
NEIC VIII 24 19 52 49.5–.00 32.32N 115.32W 6 3.0L,2.8L
ECX VIII 24 19 52 49.4–.58 32.32N 115.32W 6 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.8km az=137.9.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
ISC VIII 26 17 16 01.5–.93 32.99N–.02 115.56W–.02 20–2 77 0-5
ISCJB VIII 26 17 16 01.3–.37 33.02N–.02 115.57W–.02 15–3 **¶601685269**
NEIC VIII 26 17 16 02.0–.00 33.02N 115.55W 14 3.3L
ECX VIII 26 17 16 02.5–.59 33.03N 115.57W 12 3.3L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=149.2.
NEIC Event type fe. Felt at Brawley. After PAS.
ECX Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0.
ISC VIII 26 19 21 02.9–1.0 32.97N–.05 115.56W–.03 16–10 20 0-4
ISCJB VIII 26 19 21 03.2–.57 33.02N–.04 115.58W–.03 8–5 **¶606588143**
NEIC VIII 26 19 21 04.4–.00 33.01N 115.56W 11 3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.8km az=165.8.
NEIC Event type se. After PAS.
ISC VIII 26 19 33 00.9–.93 32.99N–.02 115.55W–.02 13–8 81 0-12
ISCJB VIII 26 19 33 00.1–.33 33.05N–.02 115.57W–.02 11–3 **¶601626670**
NEIC VIII 26 19 33 00.8–.00 33.02N 115.55W 14 4.9W
MEX VIII 26 19 33 02.9–.63 33.19N 115.61W 17–999 3.8
ECX VIII 26 19 33 02.0–.64 33.03N 115.62W 4 4.9L,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=157.7.
NEIC Event type se. After PAS.
MEX Error ellipse: s-maj=50.8km s-min=88.4km az=-1.0.
ECX Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0.
ISC VIII 26 19 40 13.1–.82 32.98N–.02 115.59W–.02 13–6 81 0-40
ISCJB VIII 26 19 40 12.7–.35 32.96N–.02 115.58W–.02 15–2 3.8b **¶601626672**
NEIC VIII 26 19 40 12.9–.00 32.99N 115.60W 10 4.3W,4.2b
IDC VIII 26 19 40 12.5–2.0 32.87N 115.48W 0 4.2,4.0b
MEX VIII 26 19 40 13.8–.47 33.10N 115.54W 16–95 4.2,4.0b
ECX VIII 26 19 40 13.3–.46 33.01N 115.63W 10 4.3L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=0.6.
NEIC Event type fe. Felt [III] at Chula Vista. Also felt at Palm Desert and San Diego. Felt at Somerton and Yuma, Arizona. After PAS.
IDC Error ellipse: s-maj=32.1km s-min=12.2km az=36.0.
MEX Error ellipse: s-maj=76.6km s-min=46.6km az=-1.0.
ECX Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
ISC VIII 26 20 14 45.3–.91 32.98N–.02 115.57W–.02 19–2 65 0-6
ISCJB VIII 26 20 14 45.6–.29 32.98N–.02 115.58W–.02 21–4 **¶601839135**
NEIC VIII 26 20 14 45.9–.00 32.99N 115.58W 9 3.0L
ECX VIII 26 20 14 46.2–.48 33.04N 115.61W 8 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=163.1.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.1km s-min=1.6km az=-1.0.
ISC VIII 26 20 16 53.3–1.0 32.97N–.04 115.58W–.02 9–9 37 0-5
ISCJB VIII 26 20 16 52.9–.54 33.02N–.04 115.58W–.02 7–4 **¶606588145**
NEIC VIII 26 20 16 54.2–.00 33.01N 115.56W 5 3.5L
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=176.5.
NEIC Event type se. After PAS.
ISC VIII 26 21 08 45.0–.89 32.99N–.02 115.61W–.02 14–6 50 0-4
ISCJB VIII 26 21 08 44.8–.41 33.01N–.02 115.61W–.02 11–3 **¶601778059**
NEIC VIII 26 21 08 45.4–.00 33.00N 115.60W 12 3.4L
ECX VIII 26 21 08 46.6–.46 32.98N 115.64W 10 3.4L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=171.0.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0.
ISC VIII 26 21 23 23.1–.53 32.92N–.03 115.54W–.02 15–4 40 0-10
ISCJB VIII 26 21 23 23.1–.38 33.00N–.03 115.60W–.03 8–4 **¶601783147**
NEIC VIII 26 21 23 23.9–.00 32.99N 115.58W 4 3.6L
ECX VIII 26 21 23 24.6–.47 32.99N 115.61W 4 3.6L,3.4
MEX VIII 26 21 23 25.1–.49 32.92N 115.40W 16 4.0,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=148.9.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0.
MEX Error ellipse: s-maj=10.9km s-min=4.8km az=-1.0.
ISC VIII 26 22 34 45.1–.86 32.99N–.02 115.59W–.02 14–7 75 0-8
ISCJB VIII 26 22 34 44.6–.34 33.01N–.02 115.59W–.02 10–3 **¶601837830**
NEIC VIII 26 22 34 45.7–.00 32.99N 115.59W 10 3.5L
ECX VIII 26 22 34 46.3–.42 33.00N 115.62W 4 3.5L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.4km az=168.5.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0.
ISC VIII 26 22 52 09.5–.84 32.98N–.02 115.60W–.02 15–6 90 0-5
ISCJB VIII 26 22 52 08.4–.30 33.01N–.02 115.60W–.02 8–3 **¶601783158**
NEIC VIII 26 22 52 09.6–.00 33.00N 115.59W 10 3.4L
MEX VIII 26 22 52 10.2–.62 33.12N 115.53W 31–31 3.5
ECX VIII 26 22 52 10.1–.46 33.00N 115.60W 12 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.5km az=156.2.
NEIC Event type se. After PAS.
MEX Error ellipse: s-maj=15.1km s-min=7.7km az=-1.0.
ECX Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0.
ISC VIII 26 22 58 42.9–.70 32.94N–.02 115.59W–.02 12–5 3.2s 134 0-37
ISCJB VIII 26 22 58 40.2–.29 33.00N–.02 115.57W–.02 4–3 3.5b,3.2s **¶601626721**
IDC VIII 26 22 58 40.1–1.9 32.77N 115.61W 0 3.9,3.7L
NEIC VIII 26 22 58 41.9–.00 32.99N 115.59W 5 4.3W,3.7L
ECX VIII 26 22 58 41.9–.66 33.04N 115.62W 4 4.3L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.3km az=173.6.
IDC Error ellipse: s-maj=31.9km s-min=10.9km az=35.0.
NEIC Event type fe. Felt [V] at Brawley, [III] at El Centro and [II] at San Diego. Also felt at Aliso Viejo, Chula Vista and Laguna Woods. Felt at Parker, Arizona and at Primo Tapia and Puebla, Baja California. After PAS.
ECX Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
ISC VIII 26 23 33 25.7–.79 33.00N–.02 115.58W–.02 14–5 4.6b,3.8s 595 0-146
ISCJB VIII 26 23 33 23.8–.33 32.97N–.01 115.49W–.01 11–2 4.5b,3.8s **¶601626727**
MEX VIII 26 23 33 24.4–.78 33.26N 115.45W 16–60 4.5,3.8s
IDC VIII 26 23 33 24.4–.64 33.07N 115.50W 0 4.4b,4.4
NEIC VIII 26 23 33 25.1–.00 33.04N 115.52W 12 4.6W,4.6b
ECX VIII 26 23 33 25.0–.48 33.11N 115.57W 9 4.6L,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=3.7.
MEX Error ellipse: s-maj=54.0km s-min=22.6km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=7.6km az=33.0.
NEIC Event type fe. Felt [II] at Indio and La Quinta. Felt widely in southern California. Felt at Parker and Yuma, Arizona and at Mexicali and Primo Tapia, Baja California. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=1.3km az=-1.0.
ISC VIII 27 00 58 44.1–.86 32.99N–.02 115.58W–.02 15–6 76 0-8
ISCJB VIII 27 00 58 44.6–.27 32.97N–.02 115.58W–.02 21–3 **¶601839143**
NEIC VIII 27 00 58 45.0–.00 33.00N 115.59W 11 3.4L
ECX VIII 27 00 58 45.3–.50 33.00N 115.60W 4 3.4L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=168.9.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
ISC VIII 27 02 53 13.8–1.0 33.00N–.02 115.63W–.02 14–9 68 0-5
ISCJB VIII 27 02 53 14.1–.33 33.00N–.02 115.61W–.02 13–2 **¶601685272**
ECX VIII 27 02 53 15.6–.46 33.01N 115.65W 10 3.1L,2.9
NEIC VIII 27 02 53 15.1–.00 32.98N 115.61W 10 3.1L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=161.1.
ECX Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
NEIC Event type se. After PAS.
ISC VIII 27 03 03 32.0–.99 32.97N–.02 115.58W–.02 14–8 84 0-5
ISCJB VIII 27 03 03 32.0–.36 32.97N–.02 115.56W–.02 12–3 **¶601685273**
NEIC VIII 27 03 03 33.2–.00 32.99N 115.59W 12 3.1L
ECX VIII 27 03 03 33.7–.38 33.01N 115.62W 12 3.1L,2.9
MEX VIII 27 03 03 34.3–.59 33.06N 115.52W 15 3.8,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=160.2.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
MEX Error ellipse: s-maj=7.9km s-min=4.4km az=-1.0.
ISC VIII 27 17 14 10.1–.93 32.97N–.03 115.60W–.03 16–7 31 0-5
ISCJB VIII 27 17 14 08.7–.46 33.06N–.03 115.58W–.04 8–5 **¶601837831**
NEIC VIII 27 17 14 09.8–.00 32.93N 115.61W 8 2.8L
ECX VIII 27 17 14 11.4–.70 32.98N 115.61W 8 2.8L,2.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.5km az=16.6.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0.
ISC VIII 27 18 05 58.0–.96 32.97N–.02 115.56W–.02 18–3 63 0-6
ISCJB VIII 27 18 05 57.9–.29 32.96N–.03 115.55W–.02 23–3 **¶601837832**
NEIC VIII 27 18 05 58.3–.00 32.96N 115.56W 12 2.9L
ECX VIII 27 18 05 59.0–.43 32.99N 115.58W 10 2.9L,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=162.4.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=0.9km az=-1.0.
ISC VIII 28 08 54 14.2–1.1 32.97N–.02 115.62W–.02 15–9 89 0-13
ISCJB VIII 28 08 54 14.7–.34 32.95N–.02 115.59W–.02 13–3 **¶601702755**
NEIC VIII 28 08 54 15.5–.00 32.97N 115.61W 10 3.5L
ECX VIII 28 08 54 15.9–.61 32.99N 115.62W 12 3.5L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=169.7.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=3.0km s-min=1.8km az=-1.0.
ISC IX 01 06 44 26.2–1.2 32.19N–.07 115.24W–.09 23–16 14 0-1
ISCJB IX 01 06 44 26.0–.89 32.20N–.06 115.22W–.09 26–9 **¶602768281**
ECX IX 01 06 44 26.9–.51 32.20N 115.21W 6 2.7L,2.5
MEX IX 01 06 44 27.2–.44 32.65N 115.11W 22 3.4,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.3km az=145.4.
ECX Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0.
MEX Error ellipse: s-maj=8.8km s-min=7.3km az=-1.0.
ISC IX 02 17 28 33.1–1.1 32.15N–.02 115.17W–.03 11–11 51 0-3
ISCJB IX 02 17 28 33.4–.72 32.11N–.02 115.13W–.03 11–6 **¶602768282**
ECX IX 02 17 28 35.5–.56 32.11N 115.20W 8 3.4L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=178.7.
ECX Error ellipse: s-maj=0.9km s-min=1.8km az=-1.0.
ISC IX 10 02 23 16.9–1.0 32.19N–.03 115.25W–.03 21–1 55 0-5
ISCJB IX 10 02 23 16.8–.42 32.21N–.03 115.23W–.03 23–3 **¶601826758**
MEX IX 10 02 23 17.2–.36 32.10N 115.03W 16–91 3.7
NEIC IX 10 02 23 18.0–.00 32.19N 115.26W 5 2.9L,2.6L
ECX IX 10 02 23 18.0–.66 32.19N 115.26W 5 3.1L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=156.7.
MEX Error ellipse: s-maj=51.2km s-min=76.4km az=-1.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
ISC IX 24 01 36 42.8–.93 32.20N–.02 115.20W–.02 24–6 85 0-5
ISCJB IX 24 01 36 42.6–.37 32.21N–.02 115.18W–.02 28–3 **¶601826686**
MEX IX 24 01 36 44.6–.35 32.26N 115.08W 18–17 3.8
NEIC IX 24 01 36 44.0–.00 32.16N 115.26W 7 3.0L,2.9L
ECX IX 24 01 36 44.0–.51 32.16N 115.26W 7 3.3L,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=19.1.
MEX Error ellipse: s-maj=3.1km s-min=4.9km az=-1.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0.
ISC IX 26 07 38 56.7–1.3 32.18N–.03 115.22W–.03 17–10 42 0-4
ISCJB IX 26 07 38 56.6–.68 32.16N–.02 115.19W–.03 12–5 **¶602768373**
ECX IX 26 07 38 58.4–.52 32.17N 115.26W 6 3.2L,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=162.9.
ECX Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0.
ISC IX 26 17 21 01.8–.88 32.92N–.02 116.05W–.02 17–7 49 0-2
ISCJB IX 26 17 21 02.9–.36 32.88N–.02 116.03W–.02 12–3 **¶601845967**
ECX IX 26 17 21 03.6–.50 32.87N 116.01W 2 2.7L,2.6
MEX IX 26 17 21 05.1–.35 33.03N 116.30W 16–116 3.7,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=36.1.
ECX Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
MEX Error ellipse: s-maj=103.2km s-min=7.4km az=-1.0.
ISC IX 28 16 27 29.8–1.0 32.27N–.02 115.24W–.03 19–3 72 0-6
ISCJB IX 28 16 27 30.0–.36 32.28N–.02 115.22W–.02 27–3 **¶602768383**
ECX IX 28 16 27 31.2–.59 32.26N 115.28W 12 3.9L,3.7
MEX IX 28 16 27 32.5–.45 32.31N 115.20W 14–4 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=21.6.
ECX Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=4.2km s-min=3.9km az=-1.0.
ISC IX 28 21 21 00.4–1.0 32.20N–.03 115.26W–.02 18–6 71 0-6
ISCJB IX 28 21 21 00.9–.55 32.21N–.02 115.21W–.02 13–4 **¶601883090**
NEIC IX 28 21 21 02.4–.00 32.19N 115.25W 6 3.2L,3.0L
ECX IX 28 21 21 02.4–.51 32.20N 115.25W 6 3.1L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=3.1km az=136.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
ECX IX 29 13 14 32.5–.67 32.16N 115.23W 9 2.9L,2.7
NEIC IX 29 13 14 32.6–.00 32.16N 115.23W 9 2.9,2.5L **¶601883521**
ECX Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
NEIC Event type fe. Felt at Guadalupe Victoria. After ECX.
ISC IX 29 23 13 30.4–1.0 32.16N–.02 115.23W–.02 11–8 84 0-6
ISCJB IX 29 23 13 29.6–.55 32.15N–.02 115.20W–.02 9–4 **¶601883100**
NEIC IX 29 23 13 32.0–.00 32.17N 115.23W 10 3.3L,3.2L
ECX IX 29 23 13 32.0–.56 32.17N 115.24W 10 3.3L,3.1
MEX IX 29 23 13 33.1–.36 32.26N 115.11W 19–15 3.9,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=173.2.
NEIC Event type fe. Felt at Tijuana. Also felt at Chula Vista and San Diego, California. After ECX.
ECX Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
MEX Error ellipse: s-maj=3.4km s-min=5.4km az=-1.0.
ISC X 02 08 28 15.0–.80 32.81N–.02 116.15W–.02 10–6 4.2b,3.3s 242 0-94
ISCJB X 02 08 28 14.2–.28 32.79N–.01 116.13W–.01 14–2 4.2b,3.4s **¶601776165**
IDC X 02 08 28 14.1–2.0 32.82N 116.04W 0 4.1,4.0L
NEIC X 02 08 28 15.0–.00 32.81N 116.11W 10 4.1W,4.1b
ECX X 02 08 28 15.3–.70 32.80N 116.15W 10 4.1L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=7.1.
IDC Error ellipse: s-maj=31.4km s-min=11.7km az=42.0.
NEIC Event type fe. Felt [IV] at Boulevard, Calexico, Campo, Jacumba and Ocotillo and [III] at Alpine, Descanso, El Cajon, El Centro, Escondido, Imperial, Jamul, Oceanside, Pine Valley, Potrero, San Diego, San Jacinto, San Marcos, Solana Beach, Temecula and Thermal. Felt in Imperial and San Diego Counties and in parts of Los Angeles, Orange, Riverside and San Bernardino Counties. Felt [IV] at Tecate, [III] at Tijuana and [II] at Mexicali, Baja California. Also felt at Chapultepec, Ensenada and Rosarito. After PAS. Moment Tensor Solution. $M_0$2.00000×10^{15}
ECX Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Moment Tensor Solution. NP1: ϕ_s138.33000°,δ90.00000°,λ30.00000°.
ISC X 02 10 02 21.9–.82 32.81N–.02 116.12W–.02 18–5 71 0-5
ISCJB X 02 10 02 21.3–.31 32.83N–.02 116.12W–.02 14–2 **¶601906628**
NEIC X 02 10 02 22.1–.00 32.80N 116.14W 10 2.5L
ECX X 02 10 02 22.7–.64 32.80N 116.15W 6 2.5L,2.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=7.6.
NEIC Event type fe. Felt at Alpine, Imperial, Julian and Lakeside. After PAS.
ECX Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
ISC X 04 13 12 28.9–.95 32.73N–.03 115.49W–.02 23–7 66 0-3
ECX X 04 13 12 28.6–.45 32.73N 115.53W 13 2.9L,2.7 **¶601890548**
ISCJB X 04 13 12 29.4–.37 32.75N–.02 115.51W–.02 15–3 2.9L,2.7
NEIC X 04 13 12 29.9–.00 32.75N 115.50W 15 2.9L,2.9L
MEX X 04 13 12 31.4–.39 32.81N 115.42W 16–37 3.6,2.9L
ISC Event type fe.
ECX Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=175.6.
NEIC Event type fe. Felt [IV] at Heber and [III] at El Centro and Imperial. Also felt at Calexico. After PAS.
MEX Error ellipse: s-maj=43.1km s-min=21.7km az=-1.0.
ISC X 08 06 07 10.0–.95 32.19N–.03 115.30W–.02 15–7 98 0-8
ISCJB X 08 06 07 09.3–.44 32.19N–.02 115.24W–.02 6–3 **¶601997465**
NEIC X 08 06 07 11.5–.00 32.20N 115.25W 8 3.4L,3.4L
ECX X 08 06 07 11.5–.52 32.20N 115.25W 8 3.4L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=0.1.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=0.9km s-min=1.4km az=-1.0.
ISC X 08 06 28 07.2–1.2 32.21N–.03 115.31W–.03 4–12 42 0-2
ISCJB X 08 06 28 06.8–.60 32.21N–.03 115.31W–.04 4–5 **¶606767958**
NEIC X 08 06 28 08.0–.00 32.22N 115.28W 6 3.0L,2.9L
ECX X 08 06 28 08.4–.57 32.21N 115.28W 6 3.0L,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.8km az=4.8.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
ISC X 14 17 43 11.1–1.0 32.38N–.03 115.11W–.03 16–6 39 0-2
ISCJB X 14 17 43 12.4–.63 32.36N–.03 115.22W–.04 12–3 **¶602768452**
ECX X 14 17 43 14.1–.57 32.37N 115.22W 5 3.2L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=149.8.
ECX Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
ISC X 19 02 51 55.5–1.0 32.11N–.02 115.22W–.02 9–8 3.3s 180 0-38
ECX X 19 02 51 56.7–.60 32.12N 115.21W 12 4.4L,4.2 **¶601838859**
NEIC X 19 02 51 56.7–.00 32.13N 115.20W 2 4.2L,4.2b
MEX X 19 02 51 57.4–.74 32.23N 115.10W 14–8 4.1,4.2b
IDC X 19 02 51 59.7–2.3 32.45N 114.72W 0 3.9L,3.8
ISC Event type fe.
ECX Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt [II] at Mexicali. Also felt at Ensenada and Tijuana. Felt at El Centro, Indio, Lakeside, San Diego and Spring Valley, California. After ECX. Moment Tensor Solution. $M_0$1.30000×10^{15}
MEX Error ellipse: s-maj=7.4km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=42.3km s-min=11.2km az=38.0.
ISC X 29 20 10 39.7–.98 32.21N–.04 115.18W–.03 29–6 44 0-3

ISCJB	X	29 20 10 39.6–.42	32.17N–.03	115.20W–.03	24–5			¶602768498
ECX	X	29 20 10 40.8–.62	32.14N	115.24W	7	3.2L,2.9		
MEX	X	29 20 10 41.9–.65	32.23N	115.16W	15–166	3.6,2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=144.0.							
ECX	Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.							
MEX	Error ellipse: s-maj=114.2km s-min=183.3km az=-1.0.							
ISC	**XI**	**02 20 03 36.8–1.1**	**32.63N–.03**	**115.70W–.02**	**16–7**		**52**	**0-3**
ANF	XI	02 20 03 37.3–.44	32.66N	115.71W	24–3	2.2L		¶601870053
ISCJB	XI	02 20 03 37.4–.44	32.63N–.03	115.70W–.03	23–3	2.2L		
ECX	XI	02 20 03 38.7–.76	32.61N	115.72W	4	2.8L,2.6		
NEIC	XI	02 20 03 38.4–.00	32.60N	115.69W	4	2.8L,2.7L		
PAS	XI	02 20 03 38.0–.00	32.60N	115.71W	8	2.8L,2.7L		
SCEDC	XI	02 20 03 38.1	32.60N	115.71W	10	2.8L,2.7L		
ISC	Event type fe.							
ANF	Error ellipse: s-maj=4.4km s-min=1.8km az=167.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=168.6.							
ECX	Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.							
NEIC	Event type fe. Felt at Mexicali. Also felt at El Centro and Pine Valley, California. After ECX.							
PAS	Event type se.							
ISC	**XI**	**17 01 42 02.9–.86**	**32.24N–.03**	**115.30W–.02**	**16–6**		**52**	**0-4**
ISCJB	XI	17 01 42 03.0–.50	32.26N–.03	115.28W–.03	13–3			¶602063184
NEIC	XI	17 01 42 03.5–.00	32.22N	115.30W	7	2.8L,2.7L		
ECX	XI	17 01 42 04.1–.52	32.27N	115.27W	6	2.9L,2.7		
MEX	XI	17 01 42 05.8–.90	32.29N	115.25W	10	3.6,2.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=136.0.							
NEIC	Event type se. After PAS.							
ECX	Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0.							
MEX	Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0.							
ISC	**XI**	**19 06 52 42.6–.86**	**32.23N–.03**	**115.40W–.02**	**10**		**49**	**0-8**
ISCJB	XI	19 06 52 42.7–.37	32.21N–.03	115.38W–.03	10			¶602210381
NEIC	XI	19 06 52 42.9–.00	32.30N	115.36W	6	3.0L,3.0L		
ECX	XI	19 06 52 42.9–.75	32.30N	115.36W	6	3.0L,2.8		
PAS	XI	19 06 52 46.3–.00	32.31N	115.34W	10	3.0L,2.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=161.9.							
NEIC	Event type se. After ECX.							
ECX	Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0.							
PAS	Event type se.							
ISC	**XII**	**01 14 53 19.3–1.3**	**32.21N–.04**	**115.19W–.05**	**29–11**		**20**	**0-2**
ANF	XII	01 14 53 21.0–.93	32.30N	115.26W	6–3	2.0L		¶602768637
SCEDC	XII	01 14 53 20.8	32.17N	115.24W	42	2.0L		
ECX	XII	01 14 53 21.3–.57	32.20N	115.22W	6	2.8L,2.5		
ISC	Event type ke.							
ANF	Error ellipse: s-maj=7.5km s-min=2.0km az=165.0.							
ECX	Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0.							
ISC	**XII**	**03 08 45 15.7–.99**	**32.23N–.03**	**115.32W–.03**	**26–8**		**60**	**0-5**
ANF	XII	03 08 45 13.9–.65	32.23N	115.29W	8	2.9L		¶602744373
ISCJB	XII	03 08 45 15.9–.42	32.25N–.03	115.25W–.03	28–3	2.9L		
SCEDC	XII	03 08 45 15.2	32.16N	115.27W	37	2.9L		
PAS	XII	03 08 45 15.4	32.16N	115.32W	10	3.1L,3.0L		
NEIC	XII	03 08 45 15.4–.00	32.16N	115.32W	10	3.1L,3.0L		
ECX	XII	03 08 45 16.7–.65	32.14N	115.39W	6	3.1L,2.8		
ISC	Event type se.							
ANF	Error ellipse: s-maj=6.8km s-min=3.2km az=6.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=17.7.							
NEIC	Event type se. After PAS.							
ECX	Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.							
ISC	**XII**	**04 18 46 36.8–1.0**	**32.08N–.02**	**115.07W–.02**	**12–9**		**83**	**0-6**
SCEDC	XII	04 18 46 38.1	32.03N	115.04W	28			¶602330113
ANF	XII	04 18 46 38.5–.73	32.19N	115.04W	25	2.7L		
PAS	XII	04 18 46 38.1–.00	32.06N	115.06W	10	2.7L		
ECX	XII	04 18 46 39.3–.59	32.06N	115.10W	10	3.1L,2.9		
NEIC	XII	04 18 46 39.3–.00	32.06N	115.10W	10	3.1L,2.9L		
MEX	XII	04 18 46 39.3–.33	32.13N	114.95W	15	3.8,2.9L		
ISC	Event type se.							
ANF	Error ellipse: s-maj=7.3km s-min=4.6km az=14.0.							
PAS	Event type se.							
ECX	Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0.							
NEIC	Event type se. After ECX.							
MEX	Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.							
ISC	**XII**	**09 20 41 00.6–.96**	**32.55N–.03**	**115.69W–.02**	**17–8**		**42**	**0-2**
ISCJB	XII	09 20 41 01.8–.42	32.58N–.03	115.67W–.03	16–7			¶602768675
ANF	XII	09 20 41 01.8–.58	32.69N	115.68W	8	2.1L		
ECX	XII	09 20 41 02.9–.57	32.55N	115.69W	4	2.6L,2.4		
SCEDC	XII	09 20 41 02.5	32.56N	115.70W	14	2.6L,2.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=4.6.							
ANF	Error ellipse: s-maj=5.4km s-min=2.6km az=165.0.							
ECX	Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.							
ISC	**XII**	**15 20 13 15.8–1.3**	**32.82N–.07**	**115.55W–.05**	**14**		**10**	**0-1**
ISCJB	XII	15 20 13 16.2–1.1	32.81N–.08	115.57W–.07	14			¶607215283
SCEDC	XII	15 20 13 16.5	32.77N	115.54W	14			
ANF	XII	15 20 13 16.2–.44	32.87N	115.59W	8	3.4L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.6km s-min=6.1km az=145.2.							
ANF	Error ellipse: s-maj=5.4km s-min=2.7km az=146.0.							
ISC	**XII**	**15 20 13 23.3–.88**	**32.77N–.02**	**115.57W–.02**	**17–2**		**100**	**0-8**
ANF	XII	15 20 13 22.6–.50	32.80N	115.54W	8	3.5L		¶602355615
MEX	XII	15 20 13 23.8–.67	32.95N	115.49W	10	4.1		
ISCJB	XII	15 20 13 23.7–.28	32.80N–.02	115.54W–.02	23–2	4.1		
NEIC	XII	15 20 13 24.4–.00	32.77N	115.54W	15	3.7L		
PAS	XII	15 20 13 24.4	32.77N	115.54W	15	3.7L		
SCEDC	XII	15 20 13 24.5	32.77N	115.54W	15	3.7L		
ECX	XII	15 20 13 24.8–.49	32.78N	115.56W	12	3.6L,3.4		
ISC	Event type fe.							
ANF	Error ellipse: s-maj=4.7km s-min=2.8km az=166.0.							
MEX	Error ellipse: s-maj=8.7km s-min=5.6km az=-1.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.9km az=168.0.							
NEIC	Event type fe. Felt [III] at El Centro, Heber and Imperial and [II] at Calexico. Also felt at Ocotillo, Palm Desert and San Diego. Felt [II] at Mexicali, Baja California. After PAS.							
ECX	Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.							
ISC	**XII**	**24 16 04 57.6–.75**	**32.41N–.03**	**115.30W–.02**	**11–4**		**100**	**0-38**
PAS	XII	24 16 04 57.0–.00	32.33N	115.24W	11			¶602323398
ISCJB	XII	24 16 04 57.4–.75	32.44N–.02	115.25W–.02	15–6	3.1b		
ANF	XII	24 16 04 57.5–.35	32.43N	115.26W	25–2	3.4L		
SCEDC	XII	24 16 04 57.1	32.32N	115.25W	15	3.4L		
MEX	XII	24 16 04 58.6–.75	32.48N	115.20W	4–17	4.0		
IDC	XII	24 16 04 58.5–2.2	32.35N	115.17W	0	3.5,3.3L		
NEIC	XII	24 16 04 58.5–.00	32.40N	115.24W	5	3.6L,3.5L		
ECX	XII	24 16 04 58.5–.62	32.40N	115.24W	5	3.5L,3.3		
ISC	Event type se.							
PAS	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.2km s-min=2.8km az=178.3.							
ANF	Error ellipse: s-maj=3.4km s-min=1.8km az=179.0.							
MEX	Error ellipse: s-maj=12.4km s-min=20.2km az=-1.0.							
IDC	Error ellipse: s-maj=42.9km s-min=13.7km az=33.0.							
NEIC	Event type se. After ECX.							
ECX	Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0.							

SEISMIC REGION 4.
Lower California and Gulf of California.

(47) Off west coast of Baja California.

ISC	**X**	**13 20 41 26.6–.69**	**25.31N–.06**	**113.08W–.07**	**10**	**4.6b,4.1s**	**307**	**2-126**
ISCJB	X	13 20 41 24.2–.45	25.24N–.04	113.21W–.03	10	4.5b,4.0s		¶601837557
IDC	X	13 20 41 24.4–1.2	25.26N	113.00W	0	4.3,4.1		
GCMT	X	13 20 41 26.0–.50	25.39N–.02	113.35W–.02	13–2	4.8W,4.1		
MEX	X	13 20 41 27.0–.50	25.16N	113.06W	9–22	4.4,4.1		
NEIC	X	13 20 41 27.0–.00	25.16N	113.06W	9	4.5b,4.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.2km s-min=2.8km az=26.2.							
IDC	Error ellipse: s-maj=29.8km s-min=13.3km az=36.0.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c13; s82,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.21±.09 $M_{\theta\theta}$-2.30±.12; $M_{\phi\phi}$2.08±.10; $M_{r\theta}$0.37±.23; $M_{\theta\theta}$0.38±.09; $M_{\theta r}$0.70±.24; Best double couple: NP1:ϕ_s51.00000°,δ82.00000°,λ19.00000°. NP2:ϕ_s319.00000°,δ72.00000°,λ171.00000°. Principal axes: T 2.3620,Plg19.0000° ,Azm276.0000°; N 0.0020,Plg70.0000°,Azm74.0000°; P -2.3710,Plg7.0000°,Azm184.0000° M_o2.36700×10^{16}							
MEX	Error ellipse: s-maj=10.9km s-min=15.5km az=-1.0.							
NEIC	Event type se. After MEX.							
ISC	**XII**	**14 10 36 01.8–.48**	**31.11N–.03**	**119.63W–.03**	**16–2**	**6.2s,6.2b**	**2522**	**2-163**
BJI	XII	14 10 35 57.5	31.21N	119.52W	10	6.6b,6.4s		¶602043521
MOS	XII	14 10 35 59.8–.83	31.16N	119.68W	13	6.4b,6.3s		
NEIC	XII	14 10 36 01.6–.14	31.10N	119.66W	13	6.4W,6.3W		
NEIC	XII	14 10 36 01.0–.00	31.22N	119.67W	15	6.4W,6.3W		
PAS	XII	14 10 36 02.0–.00	31.35N	119.60W	11	6.4W,6.3W		
ECX	XII	14 10 36 02.3	31.14N	119.28W	12	6.4s,6.1L		
ISCJB	XII	14 10 36 03.2–.46	31.25N–.01	119.53W–.01	32–3	6.2s,6.1b		
GCMT	XII	14 10 36 04.6–.00	31.08N	119.61W	21–0	6.4W,6.1b		
IDC	XII	14 10 36 04.6–2.2	31.17N	119.58W	33–16	6.0,6.0		
MEX	XII	14 10 36 04.8–1.1	31.20N	119.40W	15–391	6.4,6.0		
ANF	XII	14 10 36 09.1–1.1	31.51N	119.30W	35–9	6.1L,6.0		
NEIC	XII	14 10 36 24.5–.00	31.34N	119.80W	26	6.1L,6.0		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=5.1km s-min=3.0km az=74.5.							
NEIC	Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=222.0. Felt [V] at Ensenada and [III] at Rosarito and Tijuana. Also felt at Camalu and Mexicali. Felt [IV] at San Diego and [III] in many areas inland and along the coastline of southern California. Also felt in parts of northern California, Arizona and Nevada. Apparent Stress 0.28 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.54 $M_{\theta\theta}$0.91 $M_{\phi\phi}$2.62 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.85 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s20.00000°,δ54.00000°,λ-93.00000°. NP2: ϕ_s204.00000°,δ36.00000°,λ-87.00000°. Principal axes: T 3.1300,Plg9.0000°,Azm112.0000° ; N 0.5700,Plg2.0000°,Azm21.0000°; P -3.7100,Plg81.0000°,Azm279.0000° M_o3.50000×10^{18}							
NEIC	Event type se. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.77 $M_{\theta\theta}$1.05 $M_{\phi\phi}$2.73 $M_{r\theta}$0.65 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s226.00000° ,δ47.00000°,λ-7.00000°. NP2:ϕ_s23.00000°,δ45.00000°,λ-106.00000°. Principal axes: T 4.2300,Plg0.0000°,Azm304.0000°; N -0.3100,Plg11.0000°,Azm34.0000° ; P -3.9200,Plg78.0000°,Azm210.0000° M_o4.10000×10^{18}							
PAS	Event type se.							
ISCJB	Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=33.3.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c347; s149,c593; Duration: 397 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.03±.03 $M_{\theta\theta}$0.90±.02; $M_{\phi\phi}$3.13±.02; $M_{r\theta}$-0.53±.04; $M_{\theta\phi}$2.59±.02; $M_{\phi r}$-0.76±.04; Best double couple: NP1:ϕ_s34.00000°,δ51.00000° ,λ-90.00000°. NP2:ϕ_s213.00000°,δ39.00000°,λ-91.00000°. Principal axes: T 4.9320,Plg6.0000°,Azm123.0000°; N -0.8030,Plg0.0000°,Azm213.0000° ; P -4.1270,Plg84.0000°,Azm307.0000° M_o4.52900×10^{18}							
IDC	Error ellipse: s-maj=10.8km s-min=7.7km az=56.0.							
MEX	Error ellipse: s-maj=39.0km s-min=413.2km az=-1.0.							
ANF	Error ellipse: s-maj=7.4km s-min=3.7km az=50.0.							
NEIC	Event type se. Moment Tensor Solution. s74 Moment tensor: Scale 10^{18}Nm; M_{rr}-4.63 $M_{\theta\theta}$1.08 $M_{\phi\phi}$3.55 $M_{r\theta}$-1.21 $M_{\theta\phi}$2.59 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s192.00000° ,δ54.00000°,λ-117.00000°. NP2:ϕ_s52.00000°,δ44.00000°,λ-58.00000°. Principal axes: T 5.2600,Plg5.0000°,Azm300.0000°; N 0.2200,Plg21.0000°,Azm208.0000° ; P -5.4900,Plg68.0000°,Azm43.0000° M_o5.40000×10^{18}							
ISC	**XII**	**14 10 50 20.9–1.8**	**31.55N–.05**	**119.38W–.04**	**17–10**	**4.5b**	**397**	**2-111**
IDC	XII	14 10 50 14.9–1.6	31.22N	119.53W	0	4.3,4.3L		¶602043525
ISCJB	XII	14 10 50 18.8–.75	31.58N–.03	119.34W–.02	11–5	4.4b,4.3L		
NEIC	XII	14 10 50 18.4–.56	31.41N	119.44W	10	4.3b,4.3L		
ANF	XII	14 10 50 19.9–.95	31.46N	119.42W	45–6	4.8L,4.3L		
MOS	XII	14 10 50 30.6–2.0	32.46N	118.91W	10	5.1b,4.3L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=28.7km s-min=19.5km az=39.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.5km s-min=2.9km az=20.2.							
NEIC	Event type fe. Error ellipse: s-maj=7.3km s-min=3.7km az=28.0. Felt at Avalon, California.							
ANF	Error ellipse: s-maj=10.4km s-min=3.8km az=31.0.							
MOS	Error ellipse: s-maj=9.9km s-min=4.4km az=81.8.							
ISC	**XII**	**14 10 50 28.1–.47**	**31.05N–.08**	**119.80W–.09**	**10**	**5.0b**	**97**	**7-150**
ISCJB	XII	14 10 50 26.7–.41	31.09N–.07	119.71W–.07	10	4.8b		¶602391312
IDC	XII	14 10 50 27.0–.50	31.14N	119.67W	0	4.9,4.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.7km s-min=7.4km az=33.6.							
IDC	Error ellipse: s-maj=15.7km s-min=10.8km az=37.0.							
ANF	**XII**	**14 11 09 57.0–.52**	**31.59N**	**119.30W**	**10**	**3.5L**		¶605737394
ANF	Error ellipse: s-maj=4.7km s-min=3.0km az=34.0.							
ISC	**XII**	**14 12 10 34.5–1.7**	**31.5N–.10**	**119.34W–.07**	**10**		**55**	**2-66**
IDC	XII	14 12 10 31.1–3.3	31.18N	119.34W	0	3.7,3.5		¶602391322
ANF	XII	14 12 10 36.2–.68	31.66N	119.31W	10	3.5L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=49.1km s-min=22.7km az=45.0.							
ANF	Error ellipse: s-maj=5.4km s-min=3.8km az=33.0.							
ISC	**XII**	**14 17 39 55.1–1.0**	**31.34N–.08**	**119.52W–.06**	**10**	**3.9b**	**55**	**2-92**
IDC	XII	14 17 39 52.0–1.5	31.06N	119.69W	0	4.0b,3.9		¶602355608
ISCJB	XII	14 17 39 55.2–.66	31.43N–.04	119.45W–.04	10	3.8b,3.9		
ANF	XII	14 17 39 57.5–.63	31.59N	119.36W		3.6L,3.9		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=24.5km s-min=21.6km az=19.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=35.1.							
ANF	Error ellipse: s-maj=5.8km s-min=3.9km az=42.0.							
ISC	**XII**	**15 17 16 27.4–1.1**	**31.35N–.09**	**119.51W–.06**	**10**	**3.9b,3.7s**	**44**	**2-92**
IDC	XII	15 17 16 24.3–1.4	31.09N	119.61W	0	4.0b,4.0		¶602391396
ISCJB	XII	15 17 16 27.9–.81	31.46N–.05	119.41W–.05	10	3.8b,3.6s		
ANF	XII	15 17 16 29.4–1.1	31.64N	119.35W		3.5L,3.6s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=22.8km s-min=21.3km az=1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=10.1.							
ANF	Error ellipse: s-maj=10.2km s-min=6.1km az=26.0.							
ANF	**XII**	**24 16 05 06.0–.96**	**31.69N**	**119.46W**		**3.7L**		¶605737493
ANF	Error ellipse: s-maj=7.7km s-min=5.5km az=161.0.							

(48) Baja California.

MEX	**VII**	**09 10 40 30.4–.36**	**27.96N**	**112.04W**	**3–5**	**3.6**		¶603312275
MEX	Error ellipse: s-maj=2.3km s-min=3.6km az=-1.0.							
MEX	**VII**	**09 18 24 54.3–.30**	**27.19N**	**112.01W**	**20**	**3.6**		¶603312279
MEX	Error ellipse: s-maj=2.8km s-min=4.9km az=-1.0.							
MEX	**VII**	**13 02 44 35.3–.36**	**27.98N**	**112.03W**	**5–6**	**3.8**		¶603312333
MEX	Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.							
MEX	**VII**	**21 12 54 00.9–.30**	**26.98N**	**112.50W**	**18–45**	**3.6**		¶603312410
MEX	Error ellipse: s-maj=3.8km s-min=2.8km az=-1.0.							
MEX	**VII**	**25 21 47 06.7–26**	**27.92N**	**112.04W**	**20–999**	**3.6**		¶603312483
MEX	Error ellipse: s-maj=643.4km s-min=260.8km az=-1.0.							
ISC	**VII**	**29 06 46 28.9–2.3**	**23.4N–.10**	**110.02W–.10**	**10**		**9**	**0-48**
IDC	VII	29 06 46 25.8–3.1	23.22N	109.98W	0	3.8L,3.6		¶601666611
MEX	VII	29 06 46 30.1–.60	23.38N	110.08W	8–6	3.5,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=51.6km s-min=19.5km az=60.0.							
MEX	Error ellipse: s-maj=7.8km s-min=10.7km az=-1.0.							
MEX	**VIII**	**28 05 33 59.7–.66**	**29.97N**	**114.28W**	**16–765**	**4.2**		¶604033558
MEX	Error ellipse: s-maj=999.9km s-min=336.6km az=-1.0.							

ISC VIII 28 11 36 51.7–1.5 29.91N–.10 114.24W–.05 10 39 2-36
ISCJB VIII 28 11 36 51.7–.92 30.07N–.07 114.14W–.05 10 6.1b ¶601832067
NEIC VIII 28 11 36 53.0–1.6 30.03N 114.21W 10 4.2
MEX VIII 28 11 36 57.7–.66 29.93N 114.25W 17–32 4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.2km az=16.2.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=9.3km az=212.0.
MEX Error ellipse: s-maj=18.1km s-min=6.8km az=-1.0.
ISC IX 03 09 15 51.3–1.1 31.28N–.03 115.39W–.04 3–13 28 0-3
ECX IX 03 09 15 51.6–.44 31.26N 115.34W 5 2.8L,2.6 ¶602768286
ISC Event type ke.
ECX Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
ISC IX 05 11 55 41.1–.99 31.29N–.02 115.40W–.04 19–2 43 0-3
NEIC IX 05 11 55 42.2–.00 31.31N 115.40W 6 3.1,2.9L ¶601832078
ECX IX 05 11 55 42.2–.55 31.31N 115.40W 6 3.1L,2.9
MEX IX 05 11 55 43.7–.58 31.16N 115.31W 20–17 3.4,2.9
ISC Event type se.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
MEX Error ellipse: s-maj=9.5km s-min=9.3km az=-1.0.
ISC IX 08 02 13 29.9–2.0 31.18N–.08 115.94W–.05 1–17 22 0-2
ISCJB IX 08 02 13 32.9–.66 31.26N–.08 115.91W–.05 11–8 ¶602768308
MEX IX 08 02 13 34.9–.45 31.12N 115.92W 15 3.7
ECX IX 08 02 13 34.1–.47 31.24N 115.93W 5 2.4L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=4.3km az=25.5.
MEX Error ellipse: s-maj=9.9km s-min=8.8km az=-1.0.
ECX Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
ISC IX 18 09 16 33.9–1.2 31.31N–.07 115.65W–.04 17–11 11 0-1
ISCJB IX 18 09 16 34.2–.68 31.33N–.06 115.65W–.05 7–11 ¶602768338
MEX IX 18 09 16 35.9–.27 31.17N 115.72W 20 3.5
ECX IX 18 09 16 35.0–.48 31.28N 115.65W 5 2.1L,1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.5km az=14.7.
MEX Error ellipse: s-maj=2.1km s-min=4.3km az=-1.0.
ECX Error ellipse: s-maj=3.0km s-min=1.1km az=-1.0.
ISC IX 24 22 55 14.3–.00 31.80N–.02 115.02W–.02 12–8 124 0-10
ISCJB IX 24 22 55 12.8–.55 31.79N–.02 114.98W–.02 5–4 ¶601738952
MEX IX 24 22 55 15.6–.34 31.80N 114.97W 5–7 3.7
NEIC IX 24 22 55 15.0–.00 31.82N 115.00W 12 4.0L,4.0L
ECX IX 24 22 55 15.0–.57 31.82N 115.00W 12 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.6km az=23.0.
MEX Error ellipse: s-maj=2.3km s-min=7.7km az=-1.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0.
ISC IX 25 23 45 24.4–.42 24.77N–.03 110.18W–.03 8–2 6.2s,5.9b 2139 1-168
BJI IX 25 23 45 22.0 24.83N 110.21W 5 6.7b,6.3s ¶601740398
ISCJB IX 25 23 45 23.7–.09 24.77N–.01 110.15W–.01 10 6.1s,5.9b
IDC IX 25 23 45 23.1–.29 24.82N 110.18W 0 5.9,5.9
MOS IX 25 23 45 24.5–1.1 24.75N 110.13W 20 6.2s,6.0b
NEIC IX 25 23 45 24.9–.11 24.67N 110.17W 10 6.3W,6.3W
MEX IX 25 23 45 25.7–.67 24.78N 110.23W 11–10 6.0,6.3W
GCMT IX 25 23 45 26.9–.00 24.92N 110.29W 12–0 6.3W,6.3W
NEIC IX 25 23 45 26.0–.00 24.84N 110.26W 25 6.3W,6.3W
NEIC IX 25 23 45 48.2–.00 25.46N 110.66W 25 6.3W,6.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=39.1.
IDC Error ellipse: s-maj=10.2km s-min=6.3km az=93.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=87.7.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=38.0. Felt [V] at La Paz; [III] at Cabo San Lucas, Los Cabos and Loreto; [II] at Todos Santos, Baja California Sur. Also felt at Constitucion and Santa Rosalia. Felt at Los Mochis, Sinaloa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.22 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$1.89 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s324.00000°,δ65.00000°,λ-125.00000°. NP2: ϕ_s203.00000°,δ42.00000°,λ-39.00000°. Principal axes: T 2.1200,Plg13.0000°,Azm78.0000° ; N -0.2800,Plg31.0000°,Azm340.0000°; P -1.8300,Plg56.0000°,Azm188.0000° $M_0$2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s186.00000°,δ48.00000°,λ-51.00000°. NP2:ϕ_s315.00000°,δ55.00000°,λ-125.00000°. Principal axes: T Plg4.0000°,Azm69.0000°; N Plg0.0000°,Azm0.0000°; P Plg62.0000° ,Azm166.0000°
MEX Error ellipse: s-maj=3.1km s-min=3.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c316; s136,c550; Duration: 3ŝ3 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.47±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$3.10±.01; $M_{r\theta}$1.01±.04; $M_{\theta\phi}$-0.88±.01; $M_{\phi r}$-0.41±.04; Best double couple: NP1:ϕ_s326.00000°,δ55.00000° ,λ-118.00000°. NP2:ϕ_s190.00000°,δ44.00000°,λ-56.00000°. Principal axes: T 3.3650,Plg6.0000°,Azm76.0000°; N -0.4530,Plg23.0000°,Azm343.0000° ; P -2.9170,Plg66.0000°,Azm180.0000° $M_0$3.14100×10^{18}
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.25 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$2.29 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.89 $M_{\phi r}$-1.60 Best double couple: NP1:ϕ_s326.00000° ,δ66.00000°,λ-104.00000°. NP2:ϕ_s178.00000°,δ27.00000°,λ-61.00000°. Principal axes: T 3.3100,Plg20.0000°,Azm66.0000°; N -0.1600,Plg12.0000°,Azm331.0000° ; P -3.1600,Plg65.0000°,Azm211.0000° $M_0$3.20000×10^{18}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.33 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$3.68 $M_{r\theta}$1.09 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s187.00000° ,δ58.00000°,λ-65.00000°. NP2:ϕ_s325.00000°,δ40.00000°,λ-124.00000°. Principal axes: T 4.1400,Plg10.0000°,Azm259.0000°; N -0.0500,Plg21.0000°,Azm353.0000° ; P -4.0800,Plg67.0000°,Azm146.0000° $M_0$4.10000×10^{18}
ISC IX 26 00 05 29.6–.37 24.66N–.04 110.20W–.05 15 4.7b 530 1-141
IDC IX 26 00 05 27.1–.49 24.73N 110.09W 0 4.8,4.8s ¶601740400
ISCJB IX 26 00 05 28.5–.21 24.61N–.02 110.14W–.02 15 4.7s,4.7b
MEX IX 26 00 05 28.1–.35 24.76N 110.22W 7–11 3.8,4.7b
NEIC IX 26 00 05 29.1–.26 24.51N 110.18W 10 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=7.3km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=34.8.
MEX Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=42.0.
ISC IX 26 00 09 30.1–3.8 24.3N–.50 110.9W–.40 10 7 1-47
IDC IX 26 00 09 29.3–1.3 24.71N 109.97W 0 3.9,3.8L ¶601864174
MEX IX 26 00 09 31.1–.34 24.75N 110.13W 8–9 3.7,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=8.7km az=113.0.
MEX Error ellipse: s-maj=6.3km s-min=13.9km az=-1.0.
ISC IX 26 00 17 54.0–.37 24.78N–.04 110.27W–.05 10 4.9s,4.9b 626 1-140
ISCJB IX 26 00 17 52.9–.20 24.73N–.02 110.22W–.02 10 4.8s,4.8b ¶601740401
MEX IX 26 00 17 52.9–.43 24.86N 110.32W 5 4.0,4.8b
IDC IX 26 00 17 52.3–.46 24.84N 110.22W 0 4.9,4.9s
NEIC IX 26 00 17 54.1–.21 24.63N 110.25W 10 4.9b,4.9s
GCMT IX 26 00 17 56.1–.40 24.86N–.02 110.37W–.02 19–1 5.3W,4.9s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at La Paz, Baja California Sur.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s91,c144;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.05 $M_{\theta\theta}$-0.96±.04; $M_{\phi\phi}$0.82±.04; $M_{r\theta}$-0.45±.10; $M_{\theta\phi}$-0.18±.03; $M_{\phi r}$0.26±.09; Best double couple: NP1:ϕ_s308.00000°,δ88.00000°,λ150.00000°. NP2:ϕ_s39.00000°,δ60.00000°,λ2.00000°. Principal axes: T 0.9710,Plg22.0000° ,Azm259.0000°; N 0.1540,Plg60.0000°,Azm125.0000°; P -1.1240,Plg19.0000° ,Azm358.0000° $M_0$1.04700×10^{17}
MEX IX 26 00 25 51.0–.30 24.77N 110.56W 10 3.5
¶603514637
MEX Error ellipse: s-maj=6.8km s-min=3.8km az=-1.0.
ISC IX 26 00 59 47.6–.58 24.69N–.05 110.04W–.08 15 4.2b 144 1-121
IDC IX 26 00 59 45.3–.93 24.82N 110.11W 0 4.2,4.2L ¶601751136
ISCJB IX 26 00 59 46.4–.33 24.74N–.03 110.14W–.03 15 4.2b,4.2L
MEX IX 26 00 59 46.2–.34 24.83N 110.28W 4–11 3.8,4.2L
NEIC IX 26 00 59 46.9–.41 24.64N 110.09W 10 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=8.3km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=149.5.
MEX Error ellipse: s-maj=2.6km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=60.0.
MEX IX 26 01 11 31.7–.30 24.58N 110.69W 20 3.5
¶603514638
MEX Error ellipse: s-maj=5.9km s-min=5.1km az=-1.0.
ISC IX 26 01 21 13.8–.45 24.82N–.04 110.25W–.05 10 4.5b 473 1-122
IDC IX 26 01 21 12.0–.66 24.83N 110.20W 0 4.5L,4.4 ¶601740404
ISCJB IX 26 01 21 12.6–.27 24.76N–.03 110.22W–.02 10 4.4b,4.1s
NEIC IX 26 01 21 13.6–.38 24.65N 110.27W 10 4.4b,4.0
MEX IX 26 01 21 14.5–.32 24.84N 110.31W 16–11 4.0,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=17.7km s-min=7.4km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.0km az=28.9.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.6km az=213.0. Felt at Cabo San Lucas and Loreto, Baja California Sur and at Los Mochis, Sinaloa.
MEX Error ellipse: s-maj=2.9km s-min=5.1km az=-1.0.
MEX IX 26 01 50 29.4–.30 24.68N 110.55W 10–7 3.6
¶603514640
MEX Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
ISC IX 26 03 04 37.1–.52 24.56N–.04 110.08W–.06 15 4.3b 207 1-73
ISCJB IX 26 03 04 35.6–.27 24.58N–.02 110.06W–.03 15 4.2b,3.9s ¶601864183
IDC IX 26 03 04 35.3–.88 24.69N 110.29W 0 4.3,4.2b
MEX IX 26 03 04 35.2–.39 24.75N 110.27W 12–7 3.9,4.2b
NEIC IX 26 03 04 37.1–.51 24.50N 110.13W 10 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=141.7.
IDC Error ellipse: s-maj=20.8km s-min=8.3km az=90.0.
MEX Error ellipse: s-maj=3.2km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=64.0.
MEX IX 26 04 00 14.1–.42 24.86N 110.21W 16–244 3.5
¶603514641
MEX Error ellipse: s-maj=27.0km s-min=44.1km az=-1.0.
MEX IX 26 04 29 03.0–7.8 24.64N 110.08W 15–197 3.6
¶603514642
MEX Error ellipse: s-maj=60.5km s-min=60.3km az=-1.0.
MEX IX 26 04 49 05.5–9.0 23.93N 109.39W 15–285 3.5
¶603514644
MEX Error ellipse: s-maj=117.6km s-min=189.0km az=-1.0.
MEX IX 26 05 08 38.4–.40 24.49N 110.57W 10 3.5
¶603514646
MEX Error ellipse: s-maj=4.8km s-min=4.4km az=-1.0.
ISC IX 26 06 02 17.5–.56 24.65N–.05 110.10W–.07 15 4.3b 302 1-122
IDC IX 26 06 02 15.4–.72 24.82N 110.15W 0 4.2,4.1b ¶601751139
ISCJB IX 26 06 02 16.0–.26 24.69N–.02 110.08W–.02 15 4.2b,3.5s
MEX IX 26 06 02 16.8–.47 24.82N 110.30W 10–11 3.9,3.5s
NEIC IX 26 06 02 17.6–.43 24.67N 110.10W 10 4.0b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=7.7km az=103.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=37.3.
MEX Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.8km az=213.0. Felt at La Paz, Baja California Sur.
MEX IX 26 08 28 59.7–.32 24.80N 110.29W 14–7 3.7
¶603514650
MEX Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0.
MEX IX 26 08 49 20.2–.46 24.47N 110.54W 12–11 3.6
¶603514651
MEX Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.
MEX IX 26 12 34 43.2–.32 24.80N 110.29W 12–7 3.7
¶603514654
MEX Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0.
ISC IX 26 13 27 10.6–.82 24.66N–.06 110.20W–.07 10 12 1-56
ISCJB IX 26 13 27 09.8–.64 24.69N–.04 110.04W–.06 10 3.5b,3.3s ¶601864207
IDC IX 26 13 27 10.5–1.1 24.71N 110.12W 0 3.8L,3.6
MEX IX 26 13 27 12.5–.37 24.69N 110.25W 12–9 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=25.1.
IDC Error ellipse: s-maj=26.2km s-min=8.4km az=108.0.
MEX Error ellipse: s-maj=2.7km s-min=5.4km az=-1.0.
MEX IX 26 16 26 48.5–.38 24.75N 110.17W 14–8 3.7
¶603514659
MEX Error ellipse: s-maj=2.8km s-min=5.4km az=-1.0.
ISC IX 26 19 42 36.0–.95 24.62N–.09 110.0W–.10 15 3.5s 10 1-57
IDC IX 26 19 42 32.7–1.2 24.54N 110.07W 0 3.8,3.6L ¶601864229
ISCJB IX 26 19 42 34.2–.69 24.61N–.08 109.9W–.10 15 3.7b,3.4s
MEX IX 26 19 42 36.3–.31 24.78N 110.25W 15–7 3.9,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=11.4km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=5.2km az=34.3.
MEX Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0.
MEX IX 26 22 06 15.4–.34 24.84N 110.34W 10–6 3.8
¶603514664
MEX Error ellipse: s-maj=2.5km s-min=5.0km az=-1.0.
MEX IX 26 22 21 42.8–.78 24.71N 110.20W 16–13 3.6
¶603514665
MEX Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0.
MEX IX 26 22 44 05.1–.35 24.68N 110.21W 15 3.5
¶603514667
MEX Error ellipse: s-maj=3.2km s-min=7.3km az=-1.0.
ISC IX 27 03 03 48.4–1.1 24.65N–.05 110.23W–.08 15 10 1-47
ISCJB IX 27 03 03 47.4–.72 24.78N–.04 110.14W–.08 15 3.4b ¶601864256
IDC IX 27 03 03 48.2–1.3 24.73N 110.04W 0 3.6,3.5
MEX IX 27 03 03 49.7–.35 24.74N 110.08W 12–8 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.0km az=11.4.
IDC Error ellipse: s-maj=36.3km s-min=9.2km az=109.0.
MEX Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0.
MEX IX 27 07 25 29.4–.31 24.89N 110.28W 14–7 3.6
¶603514681
MEX Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
MEX IX 27 07 45 51.8–.31 24.72N 110.08W 11–7 3.5
¶603514683
MEX Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0.
MEX IX 27 09 36 33.1–.50 24.93N 110.28W 10–11 3.6
¶603514684
MEX Error ellipse: s-maj=3.4km s-min=6.1km az=-1.0.
ISC IX 27 11 24 12.1–.71 24.60N–.07 110.06W–.09 10 4.3b,3.5s 105 1-84
IDC IX 27 11 24 10.7–.88 24.75N 109.99W 0 4.3,4.2b ¶601864275
ISCJB IX 27 11 24 11.2–.33 24.71N–.03 110.10W–.03 10 4.1b,3.5s
MEX IX 27 11 24 11.2–.78 24.87N 110.34W 13–13 3.8,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=7.8km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=32.3.
MEX Error ellipse: s-maj=4.6km s-min=9.2km az=-1.0.
ISC IX 27 15 36 02.4–.57 24.80N–.04 110.48W–.06 10 4.3b,3.8s 279 1-97
ISCJB IX 27 15 35 59.9–.32 24.82N–.03 110.56W–.04 10 4.3b,3.8s ¶601767268
MEX IX 27 15 36 03.2–.44 24.89N 110.50W 17–73 4.0,3.8s
IDC IX 27 15 36 03.7–1.1 24.65N 109.92W 0 4.2,4.0L
NEIC IX 27 15 36 03.1–.00 24.89N 110.52W 16 4.2b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.9km az=150.3.
MEX Error ellipse: s-maj=4.7km s-min=11.6km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=7.7km az=119.0.
NEIC Event type fe. Felt at La Paz, Baja California Sur. After MEX.
MEX IX 27 16 23 02.2–.37 24.79N 110.39W 16–18 3.8
¶603514691
MEX Error ellipse: s-maj=8.3km s-min=21.4km az=-1.0.
MEX IX 27 23 43 42.6–.55 24.85N 110.26W 10–14 3.7
¶603514697

MEX Error ellipse: s-maj=9.1km s-min=18.9km az=-1.0.
ISC IX 28 15 24 53.1–.56 24.94N–.06 110.22W–.04 10 4.8b,4.5s 426 3-128
ISCJB IX 28 15 24 50.8–.41 24.77N–.04 110.21W–.02 10 4.6b,4.4s ¶601757218
NEIC IX 28 15 24 51.0–.00 24.84N 110.25W 10 4.6b,4.4
MEX IX 28 15 24 51.5–.31 24.89N 110.24W 3–25 4.3,4.4
IDC IX 28 15 24 51.9–.82 25.03N 110.18W 0 4.6,4.4b
GCMT IX 28 15 24 54.0–.30 24.85N–.01 110.29W–.01 19–1 5.1W,4.4b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at La Paz, Baja California Sur. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c45; s105,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.26±.16 $M_{\theta\theta}$-5.43±.15; $M_{\phi\phi}$5.17±.15; $M_{r\theta}$-3.16±.38; $M_{\theta\phi}$-2.22±.13; $M_{\phi r}$0.00±.29; Best double couple: NP1:ϕ_s125.00000°,δ80.00000°,λ-158.00000°. NP2:ϕ_s31.00000°,δ68.00000°,λ-11.00000°. Principal axes: T 5.7010,Plg8.0000° ,Azm257.0000°; N 1.4680,Plg66.0000°,Azm149.0000°; P -7.1730,Plg23.0000° ,Azm350.0000° M_o6.43700×10^{16}
ISC IX 28 15 35 39.1–2.5 25.0N–.20 110.12W–.09 10 92 7-46
IDC IX 28 15 35 36.1–5.6 25.01N 110.12W 0 4.4L,4.2 ¶601864357
NEIC IX 28 15 35 37.4–4.0 24.90N 110.03W 10 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=81.9km s-min=31.7km az=176.0.
NEIC Event type se. Error ellipse: s-maj=50.4km s-min=20.5km az=185.0.
IDC IX 28 15 38 46.0–5.6 24.87N 110.10W 0 4.2,4.0L
¶601864358
IDC Error ellipse: s-maj=81.9km s-min=32.3km az=175.0.
IDC IX 28 18 04 27.4–6.2 24.54N 110.02W 0 4.0L,3.9
¶601864364
IDC Error ellipse: s-maj=92.6km s-min=33.9km az=172.0.
IDC IX 29 08 05 33.5–6.3 24.69N 110.01W 0 3.7,3.7L
¶601857486
IDC Error ellipse: s-maj=94.7km s-min=33.3km az=173.0.
ISC X 02 00 18 35.7–.76 24.79N–.05 110.21W–.08 10 17 1-63
ISCJB X 02 00 18 34.3–.57 24.81N–.04 110.33W–.10 10 4.0b ¶601838460
IDC X 02 00 18 35.5–1.6 24.80N 110.06W 0 4.2L,4.1
NEIC X 02 00 18 36.0–.00 24.82N 110.29W 9 4.0,4.1
MEX X 02 00 18 36.8–.99 24.82N 110.29W 10–14 4.0,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=4.8km az=169.5.
IDC Error ellipse: s-maj=24.1km s-min=23.3km az=77.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.0km s-min=10.3km az=-1.0.
MEX X 02 01 57 21.4–.94 24.79N 110.50W 10 3.5
¶603775653
MEX Error ellipse: s-maj=13.6km s-min=8.0km az=-1.0.
MEX X 02 02 42 03.7–.82 24.82N 110.34W 10 3.6
¶603775654
MEX Error ellipse: s-maj=10.6km s-min=6.1km az=-1.0.
MEX X 02 03 39 01.4–.38 24.70N 110.53W 5 3.6
¶603775655
MEX Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0.
MEX X 02 04 32 51.8–.47 24.71N 110.53W 5 3.7
¶603775656
MEX Error ellipse: s-maj=7.1km s-min=4.0km az=-1.0.
MEX X 02 04 45 51.7–.51 24.72N 110.38W 5 3.8
¶603775657
MEX Error ellipse: s-maj=10.7km s-min=3.6km az=-1.0.
MEX X 02 08 56 43.8–.45 24.65N 110.37W 1 3.8
¶603775659
MEX Error ellipse: s-maj=4.7km s-min=2.7km az=-1.0.
MEX X 02 09 12 39.8–.30 24.83N 110.37W 7 3.8
¶603775660
MEX Error ellipse: s-maj=4.9km s-min=2.3km az=-1.0.
ISC X 02 13 14 19.9–.55 24.66N–.04 110.05W–.08 15 4.1b,3.4s 217 1-129
IDC X 02 13 14 17.4–.76 24.72N 109.94W 0 4.2L,4.1 ¶601826691
ISCJB X 02 13 14 18.7–.25 24.71N–.02 110.14W–.03 15 4.0b,3.4s
MEX X 02 13 14 18.1–1.0 24.87N 110.37W 10 4.1,3.4s
NEIC X 02 13 14 19.4–.32 24.61N 110.12W 10 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=8.3km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=155.0.
MEX Error ellipse: s-maj=5.0km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.7km az=60.0.
ISC X 02 19 43 07.3–.56 24.68N–.04 110.17W–.06 10 4.4b,3.5s 312 1-121
IDC X 02 19 42 57.0–2.4 23.70N 109.86W 0 4.4L,4.3 ¶601906630
ISCJB X 02 19 43 06.8–.24 24.73N–.02 110.13W–.02 10 4.3b,3.4s
NEIC X 02 19 43 07.6–.00 24.81N 110.32W 10 4.2b,4.0
MEX X 02 19 43 07.6–.68 24.81N 110.32W 10 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=35.4km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=42.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=8.6km s-min=22.8km az=-1.0.
MEX X 03 06 03 47.8–.54 24.63N 110.67W 5 3.5
¶603775675
MEX Error ellipse: s-maj=7.5km s-min=6.0km az=-1.0.
MEX X 03 14 36 32.8–9.6 24.79N 110.90W 19 3.5
¶603775683
MEX Error ellipse: s-maj=96.7km s-min=53.7km az=-1.0.
MEX X 03 15 35 29.2–.26 24.74N 110.63W 10 3.5
¶603775685
MEX Error ellipse: s-maj=3.6km s-min=2.5km az=-1.0.
MEX X 04 02 42 10.8–14 24.73N 110.86W 17 3.6
¶603775700
MEX Error ellipse: s-maj=188.6km s-min=182.3km az=-1.0.
MEX X 04 08 48 09.0–.68 24.70N 110.81W 10 3.7
¶603775702
MEX Error ellipse: s-maj=7.3km s-min=7.1km az=-1.0.
MEX X 04 14 24 09.0–8.4 24.68N 110.81W 20 3.6
¶603775707
MEX Error ellipse: s-maj=65.6km s-min=40.2km az=-1.0.
ISC X 04 22 59 47.8–.89 24.69N–.06 110.1W–.10 15 9 1-47
IDC X 04 22 59 44.5–4.8 24.55N 109.96W 0 3.6,3.6b ¶601997071
ISCJB X 04 22 59 46.7–.83 24.76N–.05 110.0W–.10 15 3.7b,3.6b
MEX X 04 22 59 47.7–.75 24.85N 110.38W 16–27 3.8,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=70.5km s-min=24.9km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=5.6km az=21.2.
MEX Error ellipse: s-maj=18.1km s-min=40.1km az=-1.0.
MEX X 04 23 49 59.5–8.1 24.50N 110.66W 15 3.6
¶603775710
MEX Error ellipse: s-maj=142.2km s-min=128.3km az=-1.0.
MEX X 05 01 04 02.0–11 24.79N 110.91W 5 3.5
¶603775715
MEX Error ellipse: s-maj=199.2km s-min=189.0km az=-1.0.
MEX X 05 12 04 20.4–.28 24.72N 110.85W 20 3.6
¶603775720
MEX Error ellipse: s-maj=2.3km s-min=1.4km az=-1.0.
MEX X 05 20 48 05.0–9.3 24.79N 110.91W 16 3.5
¶603775724
MEX Error ellipse: s-maj=163.8km s-min=154.5km az=-1.0.
MEX X 06 03 41 34.8–7.0 24.83N 110.89W 19–999 3.5
¶603775728
MEX Error ellipse: s-maj=122.2km s-min=73.0km az=-1.0.
MEX X 06 05 49 24.3–25 24.83N 110.95W 16 3.5
¶603775731
MEX Error ellipse: s-maj=335.9km s-min=334.1km az=-1.0.
MEX X 07 03 03 34.3–.30 24.75N 110.43W 10 3.5
¶603775740
MEX Error ellipse: s-maj=4.9km s-min=2.2km az=-1.0.
MEX X 07 04 16 20.1–.48 24.86N 110.37W 16–999 3.6
¶603775742
MEX Error ellipse: s-maj=5.6km s-min=10.2km az=-1.0.
IDC X 07 21 40 08.0–1.3 24.87N 110.04W 0 3.7L,3.6
¶601997423
IDC Error ellipse: s-maj=35.5km s-min=9.5km az=106.0.
ISC X 11 15 13 16.6–.41 24.79N–.04 110.07W–.05 10 4.6b,3.9s 489 1-129
IDC X 11 15 13 14.5–.72 24.72N 109.93W 0 4.3,4.1 ¶601826734
ISCJB X 11 15 13 15.3–.23 24.69N–.02 110.09W–.02 10 4.5b,3.9s
MEX X 11 15 13 17.3–.65 24.80N 110.33W 16–11 4.6,3.9s
NEIC X 11 15 13 17.3–.00 24.80N 110.33W 16 4.4b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=8.1km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=23.7.
MEX Error ellipse: s-maj=3.1km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt at La Paz, Baja California Sur. After MEX.
IDC X 11 15 36 29.1–7.6 24.22N 110.29W 0 3.7,3.6L
¶601997902
IDC Error ellipse: s-maj=117.6km s-min=47.3km az=180.0.
MEX X 13 05 40 01.1–.30 24.80N 110.48W 5 3.7
¶603775848
MEX Error ellipse: s-maj=6.4km s-min=2.7km az=-1.0.
ISC X 24 07 36 44.6–.85 24.75N–.06 110.0W–.10 10 11 1-47
MEX X 24 07 36 42.7–1.0 24.96N 110.63W 16–68 3.8 ¶601999462
ISCJB X 24 07 36 43.3–.67 24.68N–.07 109.8W–.10 10 3.6b
IDC X 24 07 36 43.4–1.2 24.70N 109.90W 0 3.8,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=29.2km s-min=79.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=5.6km az=32.4.
IDC Error ellipse: s-maj=32.0km s-min=8.4km az=119.0.
MEX X 24 08 03 00.4–.76 24.88N 110.60W 20–311 3.5
¶603776030
MEX Error ellipse: s-maj=18.3km s-min=39.1km az=-1.0.
MEX X 25 05 49 03.3–.86 24.80N 110.36W 20–638 3.5
¶603776049
MEX Error ellipse: s-maj=32.5km s-min=7.2km az=-1.0.
MEX X 25 06 34 07.6–3.0 24.98N 110.42W 17–999 3.7
¶603776050
MEX Error ellipse: s-maj=49.4km s-min=30.4km az=-1.0.
MEX X 27 16 40 10.4–.30 24.86N 110.46W 10 3.5
¶603776093
MEX Error ellipse: s-maj=4.9km s-min=2.6km az=-1.0.
MEX X 29 01 22 43.3–.36 24.85N 110.41W 17–999 3.6
¶603776302
MEX Error ellipse: s-maj=14.3km s-min=3.8km az=-1.0.
MEX XI 02 17 00 24.5–.30 24.84N 110.35W 20 3.6
¶603826489
MEX Error ellipse: s-maj=7.1km s-min=3.1km az=-1.0.
ISC XI 04 09 53 09.4–.39 24.60N–.04 110.10W–.05 15 4.5b,4.4s 513 1-129
IDC XI 04 09 53 05.8–.54 24.70N 110.15W 0 4.6,4.4 ¶601870075
MEX XI 04 09 53 06.6–.30 24.70N 110.21W 8–7 4.5,4.4
ISCJB XI 04 09 53 08.2–.22 24.56N–.02 110.15W–.02 15 4.4b,4.1s
NEIC XI 04 09 53 08.6–.24 24.48N 110.13W 10 4.4,4.4b
GCMT XI 04 09 53 09.6–.30 24.83N–.03 110.19W–.02 17–1 4.8W,4.4b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at La Paz, Baja California Sur.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c28; s71,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87±.17 $M_{\theta\theta}$-0.12±.10; $M_{\phi\phi}$1.99±.11; $M_{r\theta}$0.55±.28; $M_{\theta\phi}$-1.23±.05; $M_{\phi r}$0.38±.22; Best double couple: NP1:ϕ_s177.00000°,δ51.00000°,λ-59.00000°. NP2:ϕ_s313.00000°,δ48.00000°,λ-123.00000°. Principal axes: T 2.5590,Plg2.0000° ,Azm246.0000°; N -0.3940,Plg24.0000°,Azm336.0000°; P -2.1630,Plg66.0000° ,Azm152.0000° M_o2.36100×10^{16}
ISC XI 04 10 03 45.9–.87 24.69N–.06 110.16W–.10 15 10 1-47
IDC XI 04 10 03 44.8–1.1 24.69N 110.01W 0 3.8L,3.7 ¶602388797
MEX XI 04 10 03 46.6–.28 24.73N 110.14W 14–7 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=7.9km az=113.0.
MEX Error ellipse: s-maj=3.2km s-min=6.1km az=-1.0.
MEX XI 04 20 14 48.2–.30 24.48N 111.00W 10 3.6
¶603826521
MEX Error ellipse: s-maj=3.1km s-min=4.8km az=-1.0.
MEX XI 04 21 13 48.7–.30 24.87N 110.51W 10 3.5
¶603826523
MEX Error ellipse: s-maj=4.8km s-min=2.7km az=-1.0.
ISC XI 06 11 12 32.3–1.3 31.56N–.02 115.56W–.03 2–11 59 0-7
ANF XI 06 11 12 34.0–.69 31.70N 115.50W 9–3 3.3L ¶602768532
SCEDC XI 06 11 12 34.4 31.54N 115.64W 6 3.3L
ECX XI 06 11 12 35.0–.70 31.57N 115.61W 8 3.6L,3.4
MEX XI 06 11 12 36.3–.68 31.46N 115.66W 11–8 3.5,3.4
ISC Event type ke.
ANF Error ellipse: s-maj=4.5km s-min=2.6km az=32.0.
ECX Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
MEX Error ellipse: s-maj=3.1km s-min=7.4km az=-1.0.
MEX XI 09 04 01 45.2–4.7 24.78N 110.90W 19 3.5
¶603826598
MEX Error ellipse: s-maj=46.3km s-min=29.4km az=-1.0.
MEX XI 09 13 49 17.3–21 24.79N 110.92W 20–999 3.6
¶603826605
MEX Error ellipse: s-maj=824.8km s-min=733.8km az=-1.0.
ISC XI 22 17 26 31.3–1.3 31.31N–.07 115.65W–.05 2–16 37 0-3
ISCJB XI 22 17 26 31.1–.70 31.28N–.06 115.66W–.04 5–9 ¶602063201
SCEDC XI 22 17 26 31.9 31.28N 115.67W 6
ANF XI 22 17 26 31.6–1.1 31.33N 115.60W 5 3.3L
ECX XI 22 17 26 32.3–.61 31.24N 115.68W 5 3.7L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.8km az=21.7.
ANF Error ellipse: s-maj=11.6km s-min=6.1km az=11.0.
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. Moment Tensor Solution. NP1:ϕ_s30.00000° ,δ90.00000°,λ0.00000°.
ISC XI 25 18 22 01.4–1.1 31.14N–.06 115.57W–.07 27–8 16 0-2
ECX XI 25 18 22 03.8–.43 31.21N 115.60W 5 2.9L,2.7 ¶602768611
MEX XI 25 18 22 04.5–15 31.16N 115.42W 20–975 3.8,2.7
ISC Event type ke.
ECX Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
MEX Error ellipse: s-maj=646.5km s-min=233.1km az=-1.0.
MEX XI 26 03 09 25.2–.60 24.86N 110.31W 16–23 3.9
¶603826841
MEX Error ellipse: s-maj=11.0km s-min=22.6km az=-1.0.
MEX XI 27 10 36 11.7–.79 24.85N 110.44W 10–19 3.7
¶603826861
MEX Error ellipse: s-maj=6.3km s-min=6.8km az=-1.0.
MEX XII 03 16 14 39.3–8.0 23.40N 109.54W 20–999 3.5
¶603931935
MEX Error ellipse: s-maj=122.7km s-min=140.6km az=-1.0.
ISC XII 06 08 04 22.0–.93 31.25N–.05 115.66W–.06 10 15 0-1
ISCJB XII 06 08 04 22.0–.60 31.26N–.04 115.63W–.05 10 ¶602768661
ECX XII 06 08 04 23.1–.35 31.22N 115.62W 5 2.2L,2.0
MEX XII 06 08 04 23.2–.30 31.22N 115.34W 15–1 3.6,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=135.5.
ECX Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
MEX Error ellipse: s-maj=1.7km s-min=7.8km az=-1.0.
ISC XII 06 14 21 02.2–1.1 31.31N–.06 115.57W–.07 10 10 0-1
ISCJB XII 06 14 21 02.6–.85 31.25N–.05 115.65W–.06 10 ¶602768656
MEX XII 06 14 21 03.8–.39 31.24N 115.39W 16–2 3.4
ECX XII 06 14 21 04.3–.63 31.20N 115.60W 5–5 2.4L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.1km az=143.8.
MEX Error ellipse: s-maj=4.3km s-min=14.1km az=-1.0.
ECX Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.

MEX XII 06 19 45 25.2–.66 24.92N 110.64W 17–999 3.7
¶603931978

MEX Error ellipse: s-maj=20.3km s-min=10.7km az=-1.0.
MEX XII 07 09 41 56.4–.31 27.94N 112.02W 16–5 3.8
¶603931988

MEX Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
ISC XII 07 17 08 38.8–1.2 31.26N–.06 115.69W–.05 10 9 0-1
ISCJB XII 07 17 08 38.7–.73 31.26N–.05 115.67W–.06 10 **¶602768664**
ECX XII 07 17 08 39.8–.57 31.25N 115.67W 5 2.6L,2.4
MEX XII 07 17 08 40.5–.38 31.14N 115.70W 3 3.6,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=136.3.
ECX Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
MEX Error ellipse: s-maj=21.9km s-min=18.3km az=-1.0.
ISC XII 09 16 48 55.0–.94 31.26N–.05 115.51W–.06 10 12 0-2
ISCJB XII 09 16 48 55.5–.64 31.26N–.04 115.54W–.05 10 **¶602768677**
ECX XII 09 16 48 55.8–.29 31.22N 115.59W 5 2.5L,2.3
MEX XII 09 16 48 55.6–.40 31.22N 115.33W 12–23 3.3,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=144.5.
ECX Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
MEX Error ellipse: s-maj=17.4km s-min=19.5km az=-1.0.
ISC XII 09 17 49 21.7–.91 24.76N–.06 110.1W–.10 10 10 1-47
IDC XII 09 17 49 20.9–1.2 24.79N 110.03W 0 3.8,3.6b **¶602390914**
ISCJB XII 09 17 49 21.1–.69 24.76N–.05 109.96W–.10 10 3.6b,3.6b
MEX XII 09 17 49 23.9–.72 24.82N 110.30W 17–999 3.8,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=8.9km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.4km az=21.1.
MEX Error ellipse: s-maj=12.5km s-min=27.8km az=-1.0.
ISC XII 09 22 20 17.3–1.4 31.21N–.10 115.67W–.06 27–15 19 0-2
ECX XII 09 22 20 19.1–.49 31.25N 115.66W 5 2.6L,2.4 **¶602768673**
MEX XII 09 22 20 19.6–.30 31.25N 115.38W 20–60 3.7,2.4
ISC Event type ke.
ECX Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
MEX Error ellipse: s-maj=12.5km s-min=21.4km az=-1.0.
ISC XII 11 21 47 33.0–1.1 31.73N–.03 115.92W–.02 4–10 89 0-7
ISCJB XII 11 21 47 33.0–.57 31.66N–.02 115.92W–.02 10–4 **¶602217340**
PAS XII 11 21 47 34.1–.00 31.68N 115.96W 5
NEIC XII 11 21 47 34.5–.00 31.68N 115.93W 5 3.6L,3.4L
ECX XII 11 21 47 34.5–.63 31.68N 115.93W 5 3.6L,3.4
MEX XII 11 21 47 35.4–.27 31.58N 116.03W 9–5 3.7,3.4
ANF XII 11 21 47 35.5–.92 31.77N 115.88W 20–6 3.4L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=36.6.
PAS Event type se.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0. Moment Tensor Solution. NP1:ϕ_s0.00000° ,δ90.00000°,λ0.00000°.
MEX Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
ANF Error ellipse: s-maj=4.8km s-min=2.7km az=29.0.
ISC XII 20 16 39 04.0–1.0 31.22N–.06 115.64W–.04 13–11 19 0-1
ISCJB XII 20 16 39 04.0–.55 31.25N–.05 115.63W–.05 9–9 **¶602768714**
ECX XII 20 16 39 04.9–.51 31.20N 115.62W 5 3.1L,2.9
MEX XII 20 16 39 06.1–.62 31.22N 115.52W 6–21 3.6,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.5km az=21.9.
ECX Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
MEX Error ellipse: s-maj=20.3km s-min=60.3km az=-1.0.
ISC XII 20 19 46 08.3–1.5 31.80N–.03 115.06W–.04 10–12 43 0-12
ANF XII 20 19 46 06.3–.82 31.76N 115.00W 1–4 3.1L **¶602355664**
ISCJB XII 20 19 46 08.9–.83 31.83N–.03 115.00W–.04 12–8 3.1L
PAS XII 20 19 46 10.1–.00 31.73N 115.04W 12 3.1L
MEX XII 20 19 46 11.4–.47 31.76N 114.98W 62–103 3.8
ECX XII 20 19 46 11.1–.59 31.80N 115.03W 10 3.3L,3.1
NEIC XII 20 19 46 11.1–.00 31.80N 115.02W 0 3.2L,3.1L
ISC Event type fe.
ANF Error ellipse: s-maj=6.7km s-min=3.3km az=16.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.1km az=37.0.
PAS Event type se.
MEX Error ellipse: s-maj=34.4km s-min=119.9km az=-1.0.
ECX Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
NEIC Event type fe. Felt at Mexicali. After ECX.
ISC XII 21 18 22 03.0–1.2 31.3N–.10 115.53W–.09 15–15 10 0-1
ISCJB XII 21 18 22 04.1–3.1 31.2N–.10 115.62W–.05 9–60 **¶602768716**
ECX XII 21 18 22 04.8–.67 31.21N 115.63W 5 3.1L,2.8
MEX XII 21 18 22 05.9–21 31.12N 115.39W 20 3.5,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=7.5km az=0.7.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
MEX Error ellipse: s-maj=580.7km s-min=568.6km az=-1.0.
MEX XII 23 06 38 57.8–.36 31.21N 115.60W 10–23 3.5
¶603932124

MEX Error ellipse: s-maj=6.1km s-min=5.0km az=-1.0.
MEX XII 27 21 58 27.1–.31 24.52N 110.62W 33–5 3.9
¶603932162

MEX Error ellipse: s-maj=4.8km s-min=3.7km az=-1.0.
MEX XII 27 22 04 50.6–9.8 24.56N 110.71W 17 3.7
¶603932163

MEX Error ellipse: s-maj=52.3km s-min=39.3km az=-1.0.

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MEX VII 01 04 28 44.4–.55 24.27N 109.10W 10 3.6
¶603312170

MEX Error ellipse: s-maj=5.5km s-min=9.7km az=-1.0.
MEX VII 05 23 29 04.9–.33 26.56N 111.67W 20–14 3.7
¶603312224

MEX Error ellipse: s-maj=8.2km s-min=3.9km az=-1.0.
MEX VII 08 10 46 26.6–.52 27.21N 111.36W 15–10 3.9
¶603312256

MEX Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
IDC VII 09 18 57 34.6–1.6 25.62N 109.90W 0 3.5L,3.3
¶601664348

IDC Error ellipse: s-maj=28.7km s-min=11.9km az=111.0.
IDC VII 10 23 21 49.5–1.9 25.18N 109.40W 0 3.5,3.5L
¶601664405

IDC Error ellipse: s-maj=36.9km s-min=17.5km az=119.0.
ISC VII 11 02 58 15.7–.74 25.09N–.05 109.79W–.06 10 4.3b 69 1-46
IDC VII 11 02 58 14.5–1.2 25.12N 109.67W 0 4.5L,4.0 **¶601261443**
ISCJB VII 11 02 58 15.1–.45 25.12N–.04 109.62W–.05 10 4.2b,4.0
NEIC VII 11 02 58 16.7–.59 25.05N 109.73W 10 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=9.7km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.3km az=21.9.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.6km az=71.0.
MEX VII 12 22 47 28.4–.90 27.74N 111.84W 5–25 3.5
¶603312329

MEX Error ellipse: s-maj=11.0km s-min=13.1km az=-1.0.
IDC VII 17 21 19 25.3–4.2 24.29N 109.00W 0 3.8,3.6L
¶601664746

IDC Error ellipse: s-maj=64.9km s-min=12.5km az=150.0.
MEX VII 19 01 31 14.0–.39 27.13N 111.37W 16–28 3.5
¶603312388

MEX Error ellipse: s-maj=29.3km s-min=15.0km az=-1.0.
IDC VII 21 20 24 55.2–1.5 25.64N 109.84W 0 3.5,3.4
¶601664932

IDC Error ellipse: s-maj=27.7km s-min=10.9km az=110.0.
ISC VII 22 13 02 20.7–1.4 31.34N–.05 114.30W–.04 14–11 66 1-9
ISCJB VII 22 13 02 20.9–1.3 31.40N–.04 114.27W–.03 13–10 **¶601696353**
NEIC VII 22 13 02 22.0–.00 31.35N 114.27W 10 3.5L,3.2L
MEX VII 22 13 02 22.3–.77 31.24N 114.10W 20 4.0,3.2L
ECX VII 22 13 02 22.0–.34 31.35N 114.27W 10 3.5L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=157.7.
NEIC Event type se. After ECX.
MEX Error ellipse: s-maj=6.2km s-min=9.4km az=-1.0.
ECX Error ellipse: s-maj=1.5km s-min=0.9km az=-1.0.
MEX VIII 01 07 24 11.7–.36 27.86N 111.93W 5–7 3.5
¶604033303

MEX Error ellipse: s-maj=3.6km s-min=4.0km az=-1.0.
MEX VIII 01 12 48 52.9–.41 30.05N 114.25W 16–152 3.7
¶604033309

MEX Error ellipse: s-maj=247.9km s-min=72.7km az=-1.0.
IDC VIII 02 21 05 30.2–1.6 24.96N 109.53W 0 3.6,3.6L
¶601765369

IDC Error ellipse: s-maj=38.4km s-min=10.4km az=129.0.
ISC VIII 02 22 13 16.8–.44 25.02N–.04 109.62W–.05 10 5.0b,4.1s 774 1-99
IDC VIII 02 22 13 14.8–.61 24.99N 109.66W 0 4.7,4.5 **¶601513199**
ISCJB VIII 02 22 13 17.0–.27 25.10N–.03 109.31W–.02 10 4.9b,4.1s
MEX VIII 02 22 13 17.4–.51 25.07N 109.64W 16–18 4.6,4.1s
GCMT VIII 02 22 13 18.6–.30 25.10N–.01 109.61W–.02 21–1 5.0W,4.1s
NEIC VIII 02 22 13 18.6–.39 25.00N 109.39W 10 4.8b,4.1s
ISC Event type fe.
IDC Error ellipse: s-maj=18.6km s-min=9.2km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=24.8.
MEX Error ellipse: s-maj=3.1km s-min=3.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c53; s104,c154;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.13 $M_{\theta\theta}$-3.75±.11; $M_{\phi\phi}$4.19±.12; $M_{r\theta}$-0.80±.19; $M_{\theta\phi}$-0.55±.09; $M_{\phi r}$0.74±.19; Best double couple: NP1:ϕ_s131.00000°,δ88.00000°,λ-165.00000°. NP2:ϕ_s41.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 4.3600,Plg10.0000° ,Azm265.0000°; N -0.4050,Plg74.0000°,Azm138.0000°; P -3.9490,Plg12.0000° ,Azm357.0000° $M_0$4.15500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.0km az=210.0. Felt at Los Mochis, Sinaloa.
MEX VIII 08 13 54 32.0–.90 27.53N 111.42W 5 3.8
¶604033369

MEX Error ellipse: s-maj=15.2km s-min=10.4km az=-1.0.
MEX VIII 12 02 32 00.4–.35 27.59N 111.61W 16–35 3.9
¶604033397

MEX Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC VIII 25 09 28 26.7–.77 31.41N–.06 114.43W–.03 11 36 1-82
ISCJB VIII 25 09 28 24.9–.47 31.35N–.05 114.39W–.03 11 3.5b,3.0s **¶601766436**
IDC VIII 25 09 28 25.7–2.2 31.10N 114.37W 0 3.6b,3.5
MEX VIII 25 09 28 26.0–.63 31.34N 114.31W 5 4.2,3.5
NEIC VIII 25 09 28 26.0–.00 31.34N 114.31W 5 4.2,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.5km az=171.5.
IDC Error ellipse: s-maj=33.3km s-min=18.6km az=24.0.
MEX Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 25 12 26 58.5–1.9 30.31N–.06 114.06W–.04 11–13 4.3b,3.8s 161 1-120
ISCJB VIII 25 12 26 56.4–1.2 30.39N–.05 114.03W–.03 0–8 4.3b,3.8s **¶601626442**
NEIC VIII 25 12 26 58.9–.66 30.42N 114.05W 10 4.2,4.2b
ECX VIII 25 12 27 00.8–.57 30.56N 114.00W 12 4.5L,4.2b
IDC VIII 25 12 27 00.1–1.5 30.30N 114.02W 0 4.0,3.8b
MEX VIII 25 12 27 02.5–.47 30.62N 113.97W 10 4.2,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.7km az=18.9.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.1km az=209.0.
ECX Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=11.7km az=35.0.
MEX Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0.
MEX VIII 25 12 53 24.0–.62 30.32N 114.21W 20–32 3.9
¶604033526

MEX Error ellipse: s-maj=13.5km s-min=5.2km az=-1.0.
MEX VIII 25 13 16 08.7–.82 30.69N 114.05W 10 4.0
NEIC VIII 25 13 16 08.7–.00 30.69N 114.05W 10 4.0 **¶601778053**
MEX Error ellipse: s-maj=6.8km s-min=5.6km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 25 17 14 12.4–.52 30.64N–.05 113.95W–.03 10 4.4b,3.9s 261 1-95
ISCJB VIII 25 17 14 11.6–.28 30.72N–.02 113.87W–.02 10 4.3b,3.8s **¶601643024**
ECX VIII 25 17 14 12.3–.60 30.58N 113.95W 10 4.3L,3.8s
MEX VIII 25 17 14 14.1–.50 30.84N 113.91W 10 4.1,3.8s
NEIC VIII 25 17 14 14.1–.43 30.73N 113.78W 10 4.3b,4.1
IDC VIII 25 17 14 14.6–1.9 30.61N 113.66W 0 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.0km az=24.6.
ECX Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.
MEX Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.2km az=211.0.
IDC Error ellipse: s-maj=32.0km s-min=10.9km az=35.0.
MEX VIII 26 05 25 34.0–.37 30.80N 113.93W 6–7 3.7
¶604033540

MEX Error ellipse: s-maj=22.8km s-min=5.4km az=-1.0.
ISC VIII 27 01 31 38.7–1.6 30.4N–.10 114.21W–.09 10 3.3s 12 1-45
IDC VIII 27 01 31 37.1–2.5 30.35N 113.91W 0 3.6,3.6L **¶601766522**
ISCJB VIII 27 01 31 38.6–1.1 30.6N–.10 114.13W–.07 10 3.3b,3.1s
ECX VIII 27 01 31 39.3–.49 30.71N 114.04W 10 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=14.5km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=6.9km az=21.7.
ECX Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.
ISC VIII 27 05 23 20.7–.73 30.69N–.04 114.02W–.03 14–4 5.2b 990 1-145
IDC VIII 27 05 23 18.5–.62 30.64N 113.71W 0 5.7,5.7s **¶601626924**
MOS VIII 27 05 23 18.5–1.1 30.61N 113.88W 10 5.4b,5.7s
ECX VIII 27 05 23 19.1–.60 30.66N 114.06W 10 5.4L,5.2
ISCJB VIII 27 05 23 19.0–.18 30.65N–.02 113.87W–.02 10 5.0b,5.2
BJI VIII 27 05 23 20.6 30.60N 113.90W 15 5.3b,5.2b
MEX VIII 27 05 23 20.0–.53 30.62N 113.97W 14–7 5.2,5.2b
NEIC VIII 27 05 23 20.3–.23 30.55N 113.89W 10 5.2,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=8.9km az=38.0.
MOS Error ellipse: s-maj=6.4km s-min=3.9km az=95.6.
ECX Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.4km az=29.6.
MEX Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.2km az=212.0. Felt [III] at Puerto Penasco, Sonora.
ISC VIII 27 06 12 57.6–.99 30.7N–.10 113.91W–.05 10 16 1-40
ISCJB VIII 27 06 12 56.6–.78 30.7N–.10 113.88W–.05 10 3.5b **¶601766548**
ECX VIII 27 06 12 58.1–.53 30.59N 113.98W 10 3.9L,3.7
IDC VIII 27 06 13 00.8–2.7 31.02N 113.53W 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=5.2km az=14.6.
ECX Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=52.2km s-min=11.5km az=31.0.
ISC VIII 27 07 51 38.5–1.4 30.7N–.20 114.1W–.10 10 9 1-3
ECX VIII 27 07 51 37.7–.49 30.57N 113.96W 10 3.5L,3.3 **¶602768269**
ISCJB VIII 27 07 51 38.1–1.2 30.7N–.20 114.1W–.10 10 3.5L,3.3
MEX VIII 27 07 51 42.1–.39 30.60N 114.13W 16–7 4.0,3.3
ISC Event type ke.
ECX Error ellipse: s-maj=3.6km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=31.6km s-min=9.0km az=27.9.
MEX Error ellipse: s-maj=5.8km s-min=2.9km az=-1.0.
ISC VIII 27 08 09 46.7–1.6 30.71N–.07 114.12W–.03 8–11 46 1-16
NEIC VIII 27 08 09 44.3–2.0 30.44N 114.07W 10 4.1 **¶601734401**
ISCJB VIII 27 08 09 46.3–1.2 30.79N–.06 114.08W–.03 4–8 4.1
ECX VIII 27 08 09 48.9–.72 30.81N 114.07W 10 3.9L,3.7
MEX VIII 27 08 09 48.0–.34 30.62N 114.01W 5–5 4.1,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=10.7km az=178.0.

ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.3km az=9.2.
ECX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
MEX Error ellipse: s-maj=4.8km s-min=1.8km az=-1.0.
ISC VIII 27 16 34 19.9–1.5 30.8N–.10 114.19W–.10 10 7 1-3
ISCJB VIII 27 16 34 19.2–1.2 30.8N–.20 114.1W–.10 10 ¶602768267
MEX VIII 27 16 34 20.9–.34 30.66N 114.03W 16–999 3.9
ECX VIII 27 16 34 20.4–.60 30.81N 114.10W 9 3.5L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.7km s-min=8.3km az=27.7.
MEX Error ellipse: s-maj=26.6km s-min=7.0km az=-1.0.
ECX Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
ISC VIII 27 23 15 59.7–.30 30.56N–.03 113.91W–.02 10 5.0s,5.0b 1025 1-145
ECX VIII 27 23 15 57.6–.58 30.60N 113.98W 8 5.3L,5.1 ¶601627864
BJI VIII 27 23 15 59.0 30.60N 113.90W 10 5.7b,5.4b
MOS VIII 27 23 15 59.4–1.1 30.68N 113.88W 13 5.3s,5.2b
ISCJB VIII 27 23 15 59.0–.18 30.62N–.02 113.78W–.02 10 5.0s,4.9b
MEX VIII 27 23 16 00.1–.66 30.64N 113.98W 16–7 5.2,4.9b
GCMT VIII 27 23 16 00.5–.10 30.66N–.01 114.01W–.01 12 5.3W,4.9b
NEIC VIII 27 23 16 00.5–.26 30.55N 113.91W 10 5.4L,5.2
IDC VIII 27 23 16 01.8–2.8 30.68N 113.79W 21–17 4.9,4.9s
ISC Event type fe.
ECX Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=92.4.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.4km az=30.3.
MEX Error ellipse: s-maj=9.9km s-min=4.2km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c134; s131,c251;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$-0.27±.05; $M_{\theta\phi}$0.23±.02; $M_{\theta r}$-0.04±.04; Best double couple: NP1:ϕ_s49.00000°,δ82.00000°,λ-12.00000°. NP2:ϕ_s141.00000°,δ79.00000°,λ-172.00000°. Principal axes: T 1.3650,Plg3.0000° ,Azm96.0000°; N -0.1050,Plg76.0000°,Azm196.0000°; P -1.2570,Plg14.0000°,Azm5.0000° M_o1.31100×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=215.0. Felt [III] at Puerto Penasco, Sonora. Also felt at Caborca. Felt [III] at Tucson and [II] at Scottsdale, Arizona. Also felt at Chandler and Phoenix. Felt at Ramona, California and at San Felipe, Baja California. Moment Tensor Solution. s90 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$7.39 $M_{r\theta}$-0.47 $M_{\theta\phi}$1.10 $M_{\theta r}$0.29 Best double couple: NP1:ϕ_s49.00000°,δ85.00000°,λ-2.00000°. NP2:ϕ_s140.00000°,δ88.00000°,λ-175.00000°. Principal axes: T 7.4800,Plg2.0000° ,Azm274.0000°; N -0.8300,Plg85.0000°,Azm164.0000°; P -6.6500,Plg5.0000°,Azm5.0000° M_o7.10000×10^{16}
IDC Error ellipse: s-maj=13.9km s-min=6.9km az=43.0.
ECX VIII 27 23 38 31.9–.62 30.82N 114.05W 10 3.4L,3.2
MEX VIII 27 23 38 27.2–.33 29.81N 114.36W 10 3.9,3.2 ¶602768263
ECX Error ellipse: s-maj=3.8km s-min=2.6km az=-1.0.
MEX Error ellipse: s-maj=10.5km s-min=3.6km az=-1.0.
ISC VIII 28 01 08 15.1–2.4 30.46N–.06 114.02W–.04 4–15 5.1b,3.9s 174 1-99
ISCJB VIII 28 01 08 13.6–1.1 30.49N–.04 113.96W–.03 2–7 4.5b,3.9s ¶601643046
MEX VIII 28 01 08 15.5–.58 29.79N 114.46W 20–45 4.2,3.9s
NEIC VIII 28 01 08 15.5–.79 30.38N 114.06W 10 4.2,4.0b
ECX VIII 28 01 08 15.4–.56 30.60N 113.98W 10 4.1L,3.9
IDC VIII 28 01 08 15.3–2.0 30.41N 113.92W 0 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.2km az=18.3.
MEX Error ellipse: s-maj=214.9km s-min=363.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.3km az=207.0.
ECX Error ellipse: s-maj=2.9km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=11.9km az=29.0.
ISC VIII 28 01 14 11.0–3.0 30.3N–.20 114.3W–.10 9 3.6s 15 1-45
ECX VIII 28 01 14 08.9–.48 30.53N 113.95W 9 4.1L,3.9 ¶601755489
MEX VIII 28 01 14 09.8–.55 30.32N 114.03W 7–999 3.8,3.9
IDC VIII 28 01 14 09.9–4.3 30.44N 113.86W 0 3.9,3.6b
ISC Event type ke.
ECX Error ellipse: s-maj=3.4km s-min=2.3km az=-1.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=52.4km s-min=26.8km az=168.0.
ISC VIII 28 02 38 40.1–1.4 30.25N–.08 114.14W–.06 27–16 55 1-24
MEX VIII 28 02 38 39.9–.52 29.79N 114.27W 10 4.2 ¶601826748
NEIC VIII 28 02 38 40.0–1.0 30.42N 114.03W 10 4.2,4.1b
ECX VIII 28 02 38 43.8–.56 30.68N 114.06W 12 3.9L,3.7
ISC Event type se.
MEX Error ellipse: s-maj=11.1km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.7km az=203.0.
ECX Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.
ISC VIII 28 03 37 53.0–2.4 30.62N–.06 114.00W–.04 16–16 4.7b,3.6s 96 1-99
ISCJB VIII 28 03 37 51.7–.45 30.67N–.04 113.89W–.02 10 4.7b,3.5s ¶601755495
MEX VIII 28 03 37 52.6–.82 30.26N 114.15W 10 4.1,3.5s
NEIC VIII 28 03 37 52.6–.71 30.51N 114.02W 10 4.2,4.2b
IDC VIII 28 03 37 54.7–1.5 30.62N 113.72W 0 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=13.3.
MEX Error ellipse: s-maj=9.4km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.2km az=207.0.
IDC Error ellipse: s-maj=24.6km s-min=10.3km az=32.0.
IDC VIII 28 04 02 39.4–2.7 30.17N 114.00W 0 3.5,3.4L
¶601755497
IDC Error ellipse: s-maj=39.4km s-min=12.5km az=30.0.
MEX VIII 28 07 06 15.1–.60 30.13N 114.31W 20–25 4.1
¶604033559
MEX Error ellipse: s-maj=18.0km s-min=6.4km az=-1.0.
ISC VIII 28 13 18 58.8–1.9 30.32N–.07 114.08W–.03 6–12 4.5b,4.0s 219 1-99
MEX VIII 28 13 18 56.7–.53 29.67N 114.30W 20 4.4,4.0s ¶601643048
ISCJB VIII 28 13 18 58.1–.44 30.46N–.04 113.94W–.02 10 4.4b,3.9s
NEIC VIII 28 13 18 59.0–.65 30.36N 114.00W 10 4.5W,4.4
ECX VIII 28 13 18 58.7–.54 30.72N 113.83W 12 4.5L,4.3
IDC VIII 28 13 19 02.3–2.4 30.63N 113.70W 0 4.2,4.1b
ISC Event type se.
MEX Error ellipse: s-maj=10.0km s-min=4.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.5km az=14.8.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.3km az=200.0. Moment Tensor Solution. s83 Moment tensor: Scale 10^{15}Nm; M_{rr}0.50 $M_{\theta\theta}$-6.43 $M_{\phi\phi}$5.93 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.02 $M_{\theta r}$-0.32 Best double couple: NP1:ϕ_s45.00000°,δ89.00000°,λ-6.00000°. NP2:ϕ_s135.00000° ,δ84.00000°,λ-179.00000°. Principal axes: T 5.9500,Plg3.0000°,Azm90.0000° ; N 0.5200,Plg84.0000°,Azm217.0000°; P -6.4700,Plg4.0000°,Azm360.0000° M_o6.20000×10^{15}
ECX Error ellipse: s-maj=4.7km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=44.8km s-min=12.7km az=34.0.
MEX VIII 28 14 11 00.2–.58 30.10N 114.25W 10 4.0
¶604033561
MEX Error ellipse: s-maj=17.1km s-min=6.4km az=-1.0.
MEX VIII 28 19 31 58.5–.55 30.04N 114.31W 16–622 4.0
¶604033564
MEX Error ellipse: s-maj=978.4km s-min=301.9km az=-1.0.
MEX VIII 28 20 05 59.6–.23 25.18N 109.66W 5 4.5
¶604033565
MEX Error ellipse: s-maj=5.5km s-min=4.1km az=-1.0.
MEX VIII 28 20 11 49.0–.98 30.01N 114.21W 16–800 3.9
¶604033566
MEX Error ellipse: s-maj=999.9km s-min=346.1km az=-1.0.
IDC VIII 30 10 28 38.5–2.5 29.58N 113.58W 0 3.6,3.5
¶601755608
IDC Error ellipse: s-maj=41.9km s-min=14.3km az=25.0.
ISC VIII 30 22 51 39.3–3.4 30.59N–.10 114.02W–.04 17–25 3.6s 89 1-92
MEX VIII 30 22 51 35.8–.38 29.79N 114.29W 16–166 4.1 ¶601667537
NEIC VIII 30 22 51 36.6–1.1 30.38N 114.11W 10 4.1,3.9b
ECX VIII 30 22 51 39.0–.85 30.61N 114.09W 10 4.1L,3.9
IDC VIII 30 22 51 40.1–2.2 30.43N 113.73W 0 3.9,3.8L
ISC Event type fe.
MEX Error ellipse: s-maj=229.1km s-min=64.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=7.3km az=205.0. Felt at Puerto Penasco, Sonora.
ECX Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.

IDC Error ellipse: s-maj=35.2km s-min=12.8km az=30.0.
ISC IX 01 21 27 52.7–1.5 31.95N–.03 114.79W–.05 5–11 33 1-2
ECX IX 01 21 27 56.0–.37 31.94N 114.83W 12 3.2L,3.0 ¶602768280
MEX IX 01 21 27 58.3–.49 31.90N 114.85W 16–999 3.7,3.0
ISC Event type ke.
ECX Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
MEX Error ellipse: s-maj=14.2km s-min=14.8km az=-1.0.
ECX IX 05 01 55 44.6–.46 30.59N 114.08W 12 3.2L,3.0
MEX IX 05 01 55 47.3–.71 30.67N 114.12W 8–14 3.8,3.0 ¶602768294
ECX Error ellipse: s-maj=3.4km s-min=1.9km az=-1.0.
MEX Error ellipse: s-maj=40.7km s-min=11.2km az=-1.0.
MEX IX 10 21 22 15.5–.61 27.73N 111.66W 14–9 3.9
¶603514406
MEX Error ellipse: s-maj=3.9km s-min=3.4km az=-1.0.
ISC IX 15 02 41 19.3–1.1 28.28N–.08 111.50W–.09 10 3.5s 10 4-88
IDC IX 15 02 41 13.7–1.8 27.92N 111.69W 0 3.8,3.6L ¶601863567
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=15.2km az=29.0.
ISC IX 16 10 27 53.1–1.1 24.9N–.10 109.4W–.10 17 9 1-18
ISCJB IX 16 10 27 51.5–1.0 24.89N–.10 109.3W–.10 17 ¶601863643
IDC IX 16 10 27 51.2–1.5 24.97N 109.51W 0 3.6,3.5
MEX IX 16 10 27 54.5–.52 24.82N 109.21W 15 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=6.3km az=43.9.
IDC Error ellipse: s-maj=38.6km s-min=9.9km az=128.0.
MEX Error ellipse: s-maj=3.2km s-min=3.9km az=-1.0.
IDC IX 18 11 52 57.9–1.9 26.65N 110.38W 0 3.5,3.4
¶601863759
IDC Error ellipse: s-maj=26.5km s-min=21.6km az=92.0.
MEX IX 24 18 00 07.8–.30 25.32N 109.92W 18–32 3.9
¶603514612
MEX Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
ISC IX 25 15 06 58.5–1.6 31.73N–.03 114.98W–.03 15–12 62 0-7
NEIC IX 25 15 07 00.5–.00 31.82N 115.00W 12 3.3L,3.2L ¶601751132
ECX IX 25 15 07 00.5–.64 31.82N 115.00W 12 3.3L,3.1
MEX IX 25 15 07 01.0–.39 31.84N 114.85W 15 3.8,3.1
ISC Event type se.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
MEX Error ellipse: s-maj=2.4km s-min=5.8km az=-1.0.
ECX IX 26 00 51 05.1–.49 30.60N 114.02W 9 3.9L,3.7
¶602768376
ECX Error ellipse: s-maj=2.6km s-min=1.7km az=-1.0.
MEX IX 26 01 27 50.8–.35 24.61N 109.89W 10–9 3.8
¶603514639
MEX Error ellipse: s-maj=4.9km s-min=7.5km az=-1.0.
ISC IX 26 02 19 53.8–1.3 24.5N–.20 109.8W–.20 15 3.7b 10 1-82
ISCJB IX 26 02 19 52.1–1.1 24.5N–.10 109.7W–.10 15 3.5b ¶601864180
IDC IX 26 02 19 52.7–1.2 24.61N 109.88W 0 3.9,3.6
MEX IX 26 02 19 53.1–.30 24.80N 110.27W 12–6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=5.9km az=139.6.
IDC Error ellipse: s-maj=34.2km s-min=7.7km az=124.0.
MEX Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
MEX IX 26 05 13 54.1–8.6 24.56N 109.63W 15–223 3.6
¶603514647
MEX Error ellipse: s-maj=67.2km s-min=99.4km az=-1.0.
ISC IX 26 05 29 14.3–1.0 24.6N–.10 110.0W–.10 15 9 1-47
IDC IX 26 05 29 11.6–1.2 24.61N 110.04W 0 3.7,3.7L ¶601864190
ISCJB IX 26 05 29 13.3–.70 24.66N–.08 109.9W–.10 15 3.5b,3.7L
MEX IX 26 05 29 15.2–.31 24.82N 110.30W 15–7 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=11.4km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=5.3km az=34.3.
MEX Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.
MEX IX 26 05 40 32.7–.30 24.62N 109.80W 10–8 3.7
¶603514648
MEX Error ellipse: s-maj=4.7km s-min=7.6km az=-1.0.
MEX IX 26 06 55 55.3–9.3 24.33N 109.67W 10 3.7
¶603514649
MEX Error ellipse: s-maj=63.2km s-min=91.7km az=-1.0.
MEX IX 26 09 44 42.8–.52 24.43N 109.78W 16–134 3.7
¶603514652
MEX Error ellipse: s-maj=27.6km s-min=31.0km az=-1.0.
MEX IX 26 15 18 23.8–.49 24.72N 109.77W 16–999 3.6
¶603514657
MEX Error ellipse: s-maj=194.6km s-min=274.7km az=-1.0.
MEX IX 26 20 06 33.0–.41 24.52N 109.79W 8–8 3.6
¶603514662
MEX Error ellipse: s-maj=4.5km s-min=5.9km az=-1.0.
ISC IX 26 21 48 33.5–1.1 31.88N–.03 114.98W–.02 8–10 60 0-5
ECX IX 26 21 48 35.8–.57 31.81N 114.99W 10 3.3L,3.1 ¶601826688
NEIC IX 26 21 48 36.0–.00 31.81N 115.00W 10 3.1L,3.0L
ISC Event type se.
ECX Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
NEIC Event type se. After ECX.
MEX IX 27 05 35 02.1–.35 24.59N 109.80W 15–7 3.6
¶603514679
MEX Error ellipse: s-maj=3.0km s-min=5.1km az=-1.0.
MEX IX 27 07 35 55.9–.47 24.61N 109.91W 16 3.7
¶603514682
MEX Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
IDC IX 27 11 23 14.8–1.9 24.59N 109.81W 0 3.7,3.7L
¶601757207
IDC Error ellipse: s-maj=47.0km s-min=9.4km az=124.0.
IDC IX 28 13 11 46.7–6.0 24.71N 109.94W 0 3.7L,3.6
¶601864356
IDC Error ellipse: s-maj=86.1km s-min=33.1km az=174.0.
IDC IX 29 13 35 42.2–5.8 25.31N 110.02W 0 4.3L,3.9
¶601857490
IDC Error ellipse: s-maj=87.9km s-min=30.5km az=178.0.
IDC IX 30 00 50 26.3–5.3 24.21N 109.98W 0 3.7,3.5b
¶601857511
IDC Error ellipse: s-maj=80.4km s-min=26.8km az=161.0.
IDC IX 30 04 17 35.4–6.3 24.94N 109.91W 0 3.7,3.7L
¶601857515
IDC Error ellipse: s-maj=94.3km s-min=32.9km az=175.0.
ISC IX 30 06 49 26.3–.70 27.11N–.07 111.42W–.04 10 4.4b,3.5s 179 1-126
MEX IX 30 06 49 24.7–1.2 27.01N 111.39W 16–16 4.0,3.5s ¶601768547
NEIC IX 30 06 49 24.5–.00 27.04N 111.38W 15 4.2b,4.0
IDC IX 30 06 49 25.7–.92 27.19N 111.27W 0 4.2,4.0
ISC Event type se.
MEX Error ellipse: s-maj=7.7km s-min=6.3km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=16.8km s-min=14.2km az=32.0.
MEX IX 30 08 40 30.3–.36 27.07N 111.42W 16–6 3.9
¶603514742
MEX Error ellipse: s-maj=4.3km s-min=2.5km az=-1.0.
ISC IX 30 09 44 39.5–.95 27.11N–.06 111.44W–.05 10 15 1-44
ISCJB IX 30 09 44 37.3–.64 27.12N–.04 111.40W–.05 10 3.3s,3.0b ¶601857527
IDC IX 30 09 44 39.0–3.3 27.06N 111.33W 0 3.5,3.4
MEX IX 30 09 44 39.8–.42 27.13N 111.49W 5 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=6.0km az=151.1.
IDC Error ellipse: s-maj=44.3km s-min=18.5km az=4.0.
MEX Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0.
ISC IX 30 09 49 18.5–1.4 27.3N–.10 111.49W–.06 10 3.3s 11 1-44
ISCJB IX 30 09 49 15.1–1.3 27.19N–.10 111.44W–.05 10 3.1b,3.1s ¶601857528
IDC IX 30 09 49 17.2–3.4 27.00N 111.24W 0 3.6,3.5L
MEX IX 30 09 49 18.6–.38 27.23N 111.52W 10 3.7,3.5L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=5.9km az=166.3.
IDC Error ellipse: s-maj=44.4km s-min=19.3km az=3.0.
MEX Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
MEX IX 30 10 28 23.2–.42 27.21N 111.55W 16–12 3.7
¶603514745

MEX Error ellipse: s-maj=14.8km s-min=7.1km az=-1.0.
MEX IX 30 10 39 26.3–.51 27.05N 111.43W 16–9 3.8
¶603514746

MEX Error ellipse: s-maj=6.0km s-min=3.5km az=-1.0.
IDC IX 30 12 19 15.2–4.9 24.69N 109.98W 0 3.7,3.5
¶601857532

IDC Error ellipse: s-maj=71.6km s-min=24.6km az=164.0.
MEX IX 30 21 15 38.2–.35 27.37N 111.58W 2 3.5
¶603514754

MEX Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0.
MEX X 01 10 39 58.8–.33 27.75N 111.76W 10 3.6
¶603775641

MEX Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
ISC X 01 11 31 40.9–1.3 27.5N–.10 111.56W–.08 10 3.2s 8 1-43
ISCJB X 01 11 31 39.7–1.2 27.5N–.10 111.54W–.07 10 3.1s,3.1b **¶601996385**
IDC X 01 11 31 40.0–4.6 27.05N 111.38W 0 3.7L,3.6
MEX X 01 11 31 41.1–.56 27.36N 111.55W 6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=5.5km az=153.5.
IDC Error ellipse: s-maj=72.1km s-min=24.3km az=4.0.
MEX Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
MEX X 01 20 02 28.2–.28 27.45N 111.62W 5 3.7
¶603775645

MEX Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0.
MEX X 02 00 03 53.9–.63 27.46N 111.58W 10 3.6
¶603775651

MEX Error ellipse: s-maj=3.6km s-min=4.3km az=-1.0.
MEX X 02 00 37 02.4–.27 26.89N 111.02W 10 3.8
¶603775652

MEX Error ellipse: s-maj=6.1km s-min=4.3km az=-1.0.
ISC X 03 03 07 29.0–2.1 24.0N–.20 109.00W–.10 22 10 1-19
IDC X 03 03 07 23.6–5.6 23.79N 108.92W 0 3.5,3.4L **¶601996882**
MEX X 03 03 07 27.0–7.7 24.25N 108.85W 10 3.8,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=75.5km s-min=17.7km az=157.0.
MEX Error ellipse: s-maj=94.0km s-min=119.9km az=-1.0.
ISC X 05 20 02 10.2–.34 23.48N–.05 108.61W–.04 10 5.2b,5.0s 905 1-157
MOS X 05 20 02 08.8–1.6 23.59N 108.46W 10 5.3b,4.9s **¶601792474**
IDC X 05 20 02 09.5–.63 23.54N 108.80W 0 4.9,4.9s
MEX X 05 20 02 09.2–.37 23.71N 108.58W 1 5.3,4.9s
ISCJB X 05 20 02 09.8–.22 23.66N–.02 108.50W–.02 10 5.0b,5.0s
NEIC X 05 20 02 10.7–.29 23.58N 108.51W 10 5.0s,5.0b
BJI X 05 20 02 11.1 23.45N 108.75W 17 5.7b,5.4s
GCMT X 05 20 02 12.7–.10 23.68N–.01 108.53W–.01 18–0 5.5W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c166; s127,c237;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.03 $M_{\theta\theta}$-1.82±.03; $M_{\phi\phi}$1.87±.03; $M_{r\theta}$-0.61±.06; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$-0.04±.06; Best double couple: NP1:ϕ_s129.00000°,δ79.00000° ,λ-167.00000°. NP2:ϕ_s36.00000°,δ77.00000°,λ-11.00000°. Principal axes: T 1.9370,Plg1.0000°,Azm262.0000°; N 0.1350,Plg73.0000°,Azm168.0000° ; P -2.0680,Plg17.0000°,Azm353.0000° $M_0$2.00300×10^{17}
ISC X 06 08 49 14.0–.68 23.75N–.08 108.88W–.04 10 4.4b,4.1s 150 1-94
IDC X 06 08 49 06.6–1.8 23.35N 108.31W 0 4.2,4.2s **¶601792500**
GCMT X 06 08 49 12.9–.20 23.76N–.01 108.66W–.01 20–1 5.1W,4.2s
MEX X 06 08 49 14.7–.59 23.89N 108.77W 16–999 4.2,4.2s
NEIC X 06 08 49 16.9–.63 23.76N 108.54W 10 4.2,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=22.8km az=43.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s98,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.12 $M_{\theta\theta}$-3.82±.10; $M_{\phi\phi}$4.17±.12; $M_{r\theta}$-2.30±.24; $M_{\theta\phi}$-1.03±.09; $M_{\phi r}$1.14±.20; Best double couple: NP1:ϕ_s129.00000°,δ84.00000°,λ-149.00000°. NP2:ϕ_s36.00000°,δ59.00000°,λ-7.00000°. Principal axes: T 4.7420,Plg17.0000° ,Azm258.0000°; N 0.2380,Plg58.0000°,Azm138.0000°; P -4.9870,Plg26.0000° ,Azm357.0000° $M_0$4.86400×10^{16}
MEX Error ellipse: s-maj=7.1km s-min=14.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.7km az=207.0.
IDC X 08 04 09 35.9–1.5 25.13N 109.73W 0 3.5L,3.3
¶601997451

IDC Error ellipse: s-maj=33.9km s-min=10.8km az=121.0.
ISC X 08 06 26 23.6–.20 25.09N–.03 109.61W–.03 17 5.8s,5.6b 1606 1-158
IDC X 08 06 26 21.7–2.1 25.15N 109.63W 12–13 5.6,5.6s **¶606632086**
MEX X 08 06 26 21.4–1.6 25.16N 109.69W 10 5.7,5.6s
ISCJB X 08 06 26 22.4–.14 25.24N–.02 109.51W–.01 17 5.8s,5.5b
BJI X 08 06 26 22.1 25.08N 109.72W 12 6.1b,6.1s
NEIC X 08 06 26 22.0–.00 25.38N 109.73W 21 6.1b,6.1s
MOS X 08 06 26 23.8–1.4 25.26N 109.52W 25 5.9s,5.8b
NEIC X 08 06 26 23.0–.16 25.13N 109.57W 14 6.0W,6.0W
GCMT X 08 06 26 25.0–.10 25.17N 109.73W 20–0 6.0W,6.0W
NEIC X 08 06 26 44.7–.00 25.56N 109.88W 31 6.0W,6.0W
ISC Event type fe.
IDC Error ellipse: s-maj=12.1km s-min=8.1km az=57.0.
MEX Error ellipse: s-maj=8.6km s-min=12.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=28.7.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$1.04 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s130.00000° ,δ86.00000°,λ173.00000°. NP2:ϕ_s220.00000°,δ83.00000°,λ4.00000°. Principal axes: T 1.0700,Plg7.0000°,Azm85.0000°; N -0.1100,Plg81.0000°,Azm281.0000° ; P -0.9700,Plg2.0000°,Azm175.0000° $M_0$1.00000×10^{18}
MOS Error ellipse: s-maj=5.5km s-min=3.6km az=95.1.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=32.0. Felt [IV] at Guasave and Los Mochis, Sinaloa. Also felt at Ahome. Felt at El Centenario and La Paz, Baja California Sur and at Las Varas, Nayarit. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.23 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.03 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.27 $M_{\phi r}$-0.28 Best double couple: NP1: ϕ_s127.00000°,δ77.00000°,λ175.00000°. NP2:ϕ_s218.00000°,δ85.00000°,λ13.00000°. Principal axes: T 1.1200,Plg13.0000°,Azm83.0000°; N -0.1000,Plg76.0000°,Azm238.0000° ; P -1.0200,Plg6.0000°,Azm352.0000° $M_0$1.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ30.00000°,λ176.00000°. NP2: ϕ_s220.00000°,δ88.00000°,λ60.00000°. Principal axes: T Plg40.0000°,Azm103.0000° ; N Plg0.0000°,Azm0.0000°; P Plg36.0000°,Azm336.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c267; s142,c485; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$-1.14±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$-0.23±.02; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.08±.01; Best double couple: NP1:ϕ_s39.00000°,δ84.00000° ,λ-10.00000°. NP2:ϕ_s130.00000°,δ80.00000°,λ-174.00000°. Principal axes: T 1.2030,Plg3.0000°,Azm85.0000°; N 0.0030,Plg78.0000°,Azm187.0000° ; P -1.2070,Plg11.0000°,Azm354.0000° $M_0$1.20500×10^{18}
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{18}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$1.11 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s306.00000° ,δ90.00000°,λ-151.00000°. NP2:ϕ_s216.00000°,δ61.00000°,λ0.00000°. Principal axes: T 1.3000,Plg20.0000°,Azm77.0000°; N 0.1600,Plg61.0000°,Azm307.0000° ; P -1.4600,Plg20.0000°,Azm175.0000° $M_0$1.40000×10^{18}
IDC X 08 07 53 07.1–4.8 24.23N 109.00W 0 3.6,3.3
¶601997473

IDC Error ellipse: s-maj=74.0km s-min=13.1km az=153.0.
IDC X 08 08 56 09.6–3.3 24.49N 109.03W 0 3.6,3.6L
¶601997483

IDC Error ellipse: s-maj=61.3km s-min=11.9km az=146.0.
IDC X 08 09 29 51.4–3.1 24.48N 109.05W 0 3.6,3.3
¶601997487

IDC Error ellipse: s-maj=55.5km s-min=11.7km az=146.0.

ISC X 08 10 05 43.5–.86 25.17N–.05 109.81W–.07 10 3.1s 13 1-47
IDC X 08 10 05 41.9–1.4 25.02N 109.50W 0 3.8,3.7 **¶601997490**
ISCJB X 08 10 05 42.7–.71 25.15N–.06 109.7W–.10 10 3.4b,3.2s
MEX X 08 10 05 45.7–.64 25.23N 109.81W 10 3.7,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=9.9km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=6.0km az=17.8.
MEX Error ellipse: s-maj=5.7km s-min=7.2km az=-1.0.
MEX X 08 15 25 31.8–.46 25.27N 109.88W 16–999 3.8
¶603775758

MEX Error ellipse: s-maj=15.5km s-min=22.8km az=-1.0.
ISC X 09 15 50 59.8–.70 24.88N–.06 109.43W–.09 17 4.1b 70 1-123
NEIC X 09 15 50 54.9–.69 24.45N 109.41W 10 4.0b **¶601839064**
IDC X 09 15 50 57.2–1.4 24.77N 109.27W 0 4.1,4.0s
ISCJB X 09 15 50 58.8–.61 24.90N–.05 109.35W–.05 17 4.0b,4.0s
MEX X 09 15 51 01.2–.66 25.27N 109.82W 16–16 3.9,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.3km az=124.0.
IDC Error ellipse: s-maj=35.7km s-min=10.1km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=43.4.
MEX Error ellipse: s-maj=15.3km s-min=20.6km az=-1.0.
MEX X 10 11 12 21.5–.53 27.45N 111.46W 10 3.7
¶603775792

MEX Error ellipse: s-maj=15.3km s-min=15.0km az=-1.0.
MEX X 11 15 20 18.3–.27 28.10N 112.37W 1 3.7
¶603775819

MEX Error ellipse: s-maj=3.9km s-min=4.3km az=-1.0.
MEX X 13 21 17 09.8–.30 26.27N 110.27W 10 3.5
¶603775855

MEX Error ellipse: s-maj=6.2km s-min=6.4km az=-1.0.
MEX X 27 03 46 06.9–.31 28.10N 112.32W 10 3.5
¶603776082

MEX Error ellipse: s-maj=4.3km s-min=2.6km az=-1.0.
MEX XI 01 07 02 41.2–.44 28.06N 112.13W 5–8 4.0
¶603826469

MEX Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0.
IDC XI 04 09 51 50.4–1.6 24.64N 109.98W 0 3.9,3.9s
¶602388796

IDC Error ellipse: s-maj=43.4km s-min=9.0km az=113.0.
ISC XI 05 14 24 07.7–.98 25.0N–.10 109.5W–.10 17 10 1-46
IDC XI 05 14 24 05.4–1.5 25.03N 109.55W 0 3.9,3.9L **¶602388873**
ISCJB XI 05 14 24 06.7–.85 25.02N–.09 109.4W–.10 17 3.5b,2.9s
ISC Event type ke.
ISCJB Event type ke.
MEX XI 08 20 45 14.4–.36 27.87N 111.95W 6–5 4.0
¶603826590

MEX Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
MEX XI 08 20 50 41.8–.41 28.02N 112.04W 20–238 3.5
¶603826591

MEX Error ellipse: s-maj=13.0km s-min=6.8km az=-1.0.
MEX XI 09 03 59 48.8–.52 27.88N 111.95W 6–7 3.8
¶603826597

MEX Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0.
ISC XI 10 11 24 49.7–.83 27.90N–.06 111.95W–.06 10 3.4s 11 1-55
IDC XI 10 11 24 47.9–1.9 27.88N 112.11W 0 3.8,3.7 **¶602389147**
ISCJB XI 10 11 24 48.0–.68 27.96N–.05 112.02W–.06 10 3.4s,3.3b
MEX XI 10 11 24 48.5–.51 28.01N 112.10W 5 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=15.3km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.6km az=29.4.
MEX Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0.
ECX XI 12 07 21 58.2–.54 30.33N 114.95W 7 3.0L,2.8
MEX XI 12 07 21 59.2–.48 30.41N 114.97W 5 3.5,2.8 **¶602768561**
ECX Error ellipse: s-maj=2.4km s-min=2.7km az=-1.0.
MEX Error ellipse: s-maj=8.1km s-min=6.9km az=-1.0.
MEX XI 26 21 14 05.0–.35 26.33N 111.26W 15 4.0
NEIC XI 26 21 14 04.8–.00 26.34N 111.26W 12 4.0 **¶602082645**
MEX Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 26 22 01 16.6–.30 27.38N 111.31W 20 3.5
¶603826856

MEX Error ellipse: s-maj=2.4km s-min=7.4km az=-1.0.
MEX XI 27 13 21 54.1–35 24.66N 109.69W 10 3.5
¶603826864

MEX Error ellipse: s-maj=455.2km s-min=508.1km az=-1.0.
MEX XI 27 23 04 40.3–.28 27.37N 111.35W 13 3.5
¶603826866

MEX Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
MEX XI 28 06 19 16.4–.35 30.77N 114.12W 16–10 3.8
¶602323557

MEX Error ellipse: s-maj=17.7km s-min=5.4km az=-1.0.
MEX XI 29 12 12 45.0–.30 27.44N 111.10W 10 3.7
¶603826885

MEX Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0.
ISC XII 07 09 39 40.3–.71 27.91N–.05 111.91W–.05 10 100 1-43
ISCJB XII 07 09 39 38.8–.36 27.93N–.03 111.99W–.03 10 3.5b **¶602032152**
NEIC XII 07 09 39 40.4–.58 27.86N 112.07W 10 4.0,4.0b
IDC XII 07 09 39 40.9–2.8 27.80N 111.69W 0 4.1,3.9L
MEX XII 07 09 39 41.9–.39 27.89N 111.96W 16–5 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.9km az=172.4.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=212.0.
IDC Error ellipse: s-maj=38.3km s-min=16.1km az=16.0.
MEX Error ellipse: s-maj=2.0km s-min=2.3km az=-1.0.
MEX XII 13 20 15 49.2–.52 30.58N 114.49W 16–999 3.7
¶603932040

MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC XII 14 06 16 46.3–1.5 25.0N–.10 109.5W–.10 17 7 1-18
IDC XII 14 06 16 44.2–1.5 25.01N 109.51W 0 3.7,3.5L **¶602391303**
ISCJB XII 14 06 16 45.3–1.3 24.9N–.10 109.3W–.10 17 3.7,3.5L
MEX XII 14 06 16 48.3–.30 25.32N 109.90W 20 3.6,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=10.3km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=9.4km az=140.4.
MEX Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0.
ISC XII 21 19 24 54.5–.45 27.59N–.04 111.46W–.04 10 4.7b,3.8s 264 1-126
ISCJB XII 21 19 24 52.8–.30 27.46N–.03 111.54W–.03 10 4.6b,3.9s **¶602056574**
IDC XII 21 19 24 52.7–.85 27.46N 111.26W 0 4.3,4.2b
MEX XII 21 19 24 53.0–.87 27.52N 111.38W 6–10 4.4,4.2b
NEIC XII 21 19 24 55.1–1.3 27.41N 111.60W 16–9 4.5b,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=30.3.
IDC Error ellipse: s-maj=15.4km s-min=13.4km az=28.0.
MEX Error ellipse: s-maj=8.3km s-min=5.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=212.0. Felt [III] at Guaymas, Sonora.
ISC XII 27 09 58 28.3–.83 24.16N–.09 109.31W–.06 10 4.2b,4.0s 15 1-96
IDC XII 27 09 58 24.5–3.0 23.85N 108.99W 0 4.2,4.2b **¶602380707**
MEX XII 27 09 58 37.7–5.0 24.13N 109.70W 16 3.9,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=20.3km az=154.0.
MEX Error ellipse: s-maj=24.8km s-min=55.3km az=-1.0.
ISC XII 27 13 05 02.2–.35 24.25N–.04 109.24W–.04 10 4.9b,3.9s 571 1-129
ISCJB XII 27 13 05 00.8–.22 24.20N–.02 109.02W–.02 10 4.8b,3.9s **¶602059901**
IDC XII 27 13 05 00.2–.45 24.28N 109.22W 0 4.7,4.6
GCMT XII 27 13 05 01.3–.40 24.63N–.04 109.12W–.03 12 4.8W,4.6
NEIC XII 27 13 05 02.3–.33 24.12N 109.08W 10 4.7b,4.6
MEX XII 27 13 05 06.2–.63 24.31N 109.40W 17–58 4.5,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=21.5.
IDC Error ellipse: s-maj=12.2km s-min=9.0km az=179.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c11; s72,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.25±.06 $M_{\theta\theta}$-0.05±.07; $M_{\phi\phi}$1.30±.05; $M_{r\theta}$1.08±.29; $M_{\theta\phi}$0.47±.06; $M_{\phi r}$-0.13±.26; Best double couple: NP1:ϕ_s227.00000°,δ58.00000°,λ-52.00000°. NP2:ϕ_s351.00000°,δ48.00000°,λ-134.00000°. Principal axes: T 1.4710,Plg6.0000° ,Azm291.0000°; N 0.4560,Plg31.0000°,Azm25.0000°; P -1.9230,Plg58.0000°,Azm192.0000° M_o1.69700×10^{16}

NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=216.0.
MEX Error ellipse: s-maj=12.8km s-min=44.8km az=-1.0.

MEX	**XII**	**27 14 28 37.0–8.6**	**24.37N**	**109.67W**	**5**	**3.8**		**¶603932161**

MEX Error ellipse: s-maj=73.2km s-min=111.6km az=-1.0.

MEX	**XII**	**28 06 46 18.6–19**	**24.23N**	**109.48W**	**5**	**3.8**		**¶603932166**

MEX Error ellipse: s-maj=156.8km s-min=371.8km az=-1.0.

ISC	**XII**	**28 12 05 18.4–.81**	**27.97N–.05**	**111.99W–.04**	**10**		**40**	**1-15**
ISCJB	XII	28 12 05 17.7–.42	27.96N–.03	111.97W–.04	10			**¶602392046**
MEX	XII	28 12 05 19.6–.79	27.91N	111.97W	3–12	4.2		
NEIC	XII	28 12 05 19.4–.94	27.87N	111.83W	10	4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=11.2.
MEX Error ellipse: s-maj=3.7km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.8km az=159.0.

ISC	**XII**	**28 12 50 39.2–1.3**	**24.3N–.10**	**109.3W–.10**	**10**		**9**	**1-47**
IDC	XII	28 12 50 36.8–5.4	24.15N	108.86W	0	3.5,3.5		**¶602380778**
ISCJB	XII	28 12 50 38.3–1.1	24.4N–.10	109.3W–.10	10	3.2b,3.5		
MEX	XII	28 12 50 40.3–6.3	24.44N	109.20W	15	3.7,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=88.5km s-min=28.4km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=6.9km az=44.0.
MEX Error ellipse: s-maj=70.7km s-min=119.7km az=-1.0.

ISC	**XII**	**28 15 51 02.3–1.4**	**24.2N–.10**	**109.29W–.10**	**10**		**12**	**1-47**
IDC	XII	28 15 50 58.4–4.7	23.89N	109.11W	0	3.9,3.7		**¶602380788**
ISCJB	XII	28 15 51 02.8–1.3	24.29N–.09	109.4W–.10	10	3.7b,3.7		
MEX	XII	28 15 51 07.8–10	24.29N	109.42W	16	3.8,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=77.2km s-min=19.9km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=6.8km az=42.2.
MEX Error ellipse: s-maj=96.8km s-min=195.8km az=-1.0.

(50) Sonora.

MEX	**XI**	**24 21 42 56.7–.43**	**30.18N**	**109.88W**	**34–772**	**3.8**		**¶603826816**

MEX Error ellipse: s-maj=6.4km s-min=10.3km az=-1.0.

MEX	**XI**	**29 18 21 27.4–.76**	**30.30N**	**109.68W**	**20**	**3.7**		**¶603826888**

MEX Error ellipse: s-maj=9.7km s-min=6.9km az=-1.0.

MEX	**XII**	**11 18 57 19.3–.64**	**30.39N**	**109.63W**	**20**	**3.7**		**¶603932023**

MEX Error ellipse: s-maj=18.3km s-min=11.3km az=-1.0.

(51) Off coast of central Mexico.

IDC	**X**	**28 07 53 59.2–4.2**	**22.68N**	**108.67W**	**0**	**3.7,3.5**		**¶601999976**

IDC Error ellipse: s-maj=66.7km s-min=22.9km az=23.0.

SEISMIC REGION 5.
Mexico-Guatemala Area.

(53) Revilla Gigedo Islands region.

ISC	**VIII**	**09 02 34 40.7–.33**	**19.81N–.04**	**109.19W–.05**	**10**	**5.2b,5.0s**	**1147**	**2-159**
MEX	VIII	09 02 34 33.7–1.4	19.59N	109.17W	10	5.5,5.0s		**¶601532922**
IDC	VIII	09 02 34 37.1–.54	19.95N	109.04W	0	4.9,4.9s		
MOS	VIII	09 02 34 39.4–2.1	19.95N	109.13W	10	5.3b,4.8s		
ISCJB	VIII	09 02 34 40.3–.22	20.03N–.02	109.06W–.02	10	5.0b,5.0s		
GCMT	VIII	09 02 34 41.1–.10	19.83N–.01	109.26W–.01	24	5.7W,5.0s		
NEIC	VIII	09 02 34 41.1–.32	19.95N	109.33W	10	5.6W,5.5		
NEIC	VIII	09 02 34 46.0–.00	19.85N	108.83W	25	5.6W,5.5		

ISC Event type se.
MEX Error ellipse: s-maj=22.1km s-min=13.7km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=10.4km az=53.0.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=88.3.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=1.9km az=24.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c191; s134,c356;
Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.40±.04 $M_{\theta\theta}$-3.72±.04; $M_{\phi\phi}$4.12±.04; $M_{r\theta}$-0.22±.07; $M_{\theta\phi}$-1.19±.04; $M_{\phi r}$0.15±.07; Best double couple: NP1:ϕ_s127.00000°,δ89.00000° ,λ-176.00000°. NP2:ϕ_s37.00000°,δ86.00000°,λ-1.00000°. Principal axes: T 4.3040,Plg2.0000°,Azm262.0000°; N -0.3930,Plg86.0000°,Azm136.0000° ; P -3.9070,Plg3.0000°,Azm352.0000° M_o4.10600×10^{17}
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=215.0. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$2.12 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.73 Best double couple: NP1:ϕ_s122.00000°,δ80.00000°,λ169.00000°. NP2:ϕ_s214.00000° ,δ79.00000°,λ11.00000°. Principal axes: T 2.5100,Plg15.0000°,Azm78.0000° ; N -0.4800,Plg75.0000°,Azm259.0000°; P -2.0300,Plg0.0000°,Azm168.0000° M_o2.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$3.16 $M_{r\theta}$-0.66 $M_{\theta\phi}$-1.43 $M_{\phi r}$-1.34 Best double couple: NP1:ϕ_s31.00000° ,δ88.00000°,λ-24.00000°. NP2:ϕ_s122.00000°,δ65.00000°,λ-177.00000°. Principal axes: T 3.8200,Plg15.0000°,Azm79.0000°; N -0.4200,Plg65.0000°,Azm207.0000° ; P -3.4000,Plg18.0000°,Azm343.0000° M_o3.60000×10^{17}

ISC	**VIII**	**12 02 18 57.4–1.1**	**19.6N–.10**	**109.3W–.10**	**35**	**4.1b,3.4s**	**66**	**2-122**
IDC	VIII	12 02 18 51.3–1.5	19.56N	109.33W	0	4.0,3.8		**¶601553239**
NEIC	VIII	12 02 18 54.8–.88	19.60N	109.26W	10	4.0b,3.8		
ISCJB	VIII	12 02 18 55.6–.82	19.61N–.07	109.20W–.08	33	4.0b,3.4s		

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

IDC	**VIII**	**13 11 48 07.2–9.9**	**18.62N**	**108.84W**	**0**	**3.7,3.4**		**¶601765801**

IDC Error ellipse: s-maj=162.6km s-min=75.6km az=152.0.

IDC	**IX**	**02 09 55 31.8–7.5**	**18.68N**	**108.08W**	**0**	**3.9,3.7**		**¶601862773**

IDC Error ellipse: s-maj=133.9km s-min=67.7km az=143.0.

IDC	**IX**	**09 15 10 47.5–2.0**	**19.55N**	**108.30W**	**0**	**3.9,3.8L**		**¶601863241**

IDC Error ellipse: s-maj=70.6km s-min=26.2km az=62.0.

ISC	**X**	**06 08 35 40.6–.93**	**19.61N–.09**	**108.97W–.09**	**26**	**4.2b,3.4s**	**212**	**2-122**
GCMT	X	06 08 35 34.8–.90	19.57N–.04	109.16W–.04	31–2	4.8W,3.4s		**¶601792497**
IDC	X	06 08 35 36.8–.98	19.66N	108.92W	0	4.2,3.9L		
NEIC	X	06 08 35 37.8–.46	19.47N	108.96W	10	4.1b,3.9L		
ISCJB	X	06 08 35 38.6–.61	19.53N–.06	108.92W–.04	26	4.1b,3.5s		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c17; s63,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.21 $M_{\theta\theta}$-1.85±.15; $M_{\phi\phi}$2.22±.15; $M_{r\theta}$-0.17±.19; $M_{\theta\phi}$-0.64±.11; $M_{\phi r}$0.61±.19; Best double couple: NP1:ϕ_s306.00000°,δ83.00000°,λ169.00000°. NP2:ϕ_s37.00000°,δ79.00000°,λ7.00000°. Principal axes: T 2.4580,Plg13.0000° ,Azm261.0000°; N -0.4990,Plg77.0000°,Azm94.0000°; P -1.9520,Plg3.0000°,Azm352.0000° M_o2.20500×10^{16}
NEIC Event type se.
ISCJB Event type se.

ISC	**X**	**30 10 19 44.0–1.4**	**19.6N–.10**	**108.8W–.20**	**26**	**3.9b,3.4s**	**8**	**2-86**
IDC	X	30 10 19 39.9–1.7	19.60N	108.85W	0	4.1,3.9		**¶602000465**
ISCJB	X	30 10 19 42.1–1.2	19.6N–.10	108.7W–.20	26	3.8b,3.5s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**04 09 31 00.2–.79**	**19.79N–.09**	**109.6W–.10**	**35**	**3.9b,3.5s**	**13**	**2-120**
IDC	XI	04 09 30 55.4–.89	19.84N	109.58W	0	4.1,3.9		**¶601891430**
ISCJB	XI	04 09 30 58.3–.62	19.80N–.07	109.53W–.09	33	3.8b,3.4s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**10 14 53 00.9–2.0**	**19.7N–.20**	**109.5W–.20**	**35**	**4.2b**	**18**	**4-121**
IDC	XI	10 14 52 54.4–2.0	19.47N	109.13W	0	4.3,4.0		**¶602051355**
NEIC	XI	10 14 52 56.7–1.2	19.63N	109.67W	10	4.3b,4.0		
ISCJB	XI	10 14 52 58.6–3.7	19.7N–.30	109.4W–.20	33	4.0b,4.0		

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

IDC	**XI**	**21 22 04 17.0–7.8**	**19.47N**	**108.87W**	**0**	**3.9,3.7**		**¶602389805**

IDC Error ellipse: s-maj=136.7km s-min=65.3km az=149.0.

ISC	**XII**	**05 13 39 15.7–3.5**	**18.7N–.40**	**108.3W–.20**	**35**	**3.5b**	**9**	**3-53**
IDC	XII	05 13 39 13.2–5.4	18.91N	108.02W	0	3.9,3.9L		**¶602390503**

ISC Event type ke.
IDC Error ellipse: s-maj=93.3km s-min=54.0km az=3.0.

ISC	**XII**	**11 12 55 52.4–1.3**	**19.0N–.20**	**108.71W–.08**	**10**	**3.5b**	**13**	**2-52**
IDC	XII	11 12 55 55.3–4.0	19.49N	108.95W	0	3.9,3.7		**¶602391090**

ISC Event type ke.
IDC Error ellipse: s-maj=73.1km s-min=40.1km az=28.0.

ISC	**XII**	**21 09 06 34.8–5.7**	**18.6N–.60**	**108.2W–.40**	**35**	**3.2b**	**8**	**3-53**
IDC	XII	21 09 06 30.7–7.0	18.64N	108.27W	0	3.6,3.6		**¶602391792**

ISC Event type ke.
IDC Error ellipse: s-maj=114.5km s-min=61.0km az=150.0.

(54) Off coast of Jalisco.

MEX	**VII**	**06 01 48 12.8–.50**	**18.42N**	**105.07W**	**16–11**	**4.0**		
NEIC	VII	06 01 48 12.8–.00	18.42N	105.07W	16	4.0		**¶601519814**

MEX Error ellipse: s-maj=6.0km s-min=8.0km az=-1.0.
NEIC Event type se. After MEX.

MEX	**VIII**	**24 03 28 52.7–.85**	**18.97N**	**105.57W**	**16–280**	**3.5**		**¶604033505**

MEX Error ellipse: s-maj=116.7km s-min=225.5km az=-1.0.

IDC	**VIII**	**25 05 17 20.1–7.0**	**18.70N**	**107.65W**	**0**	**3.7,3.6L**		**¶601766432**

IDC Error ellipse: s-maj=104.0km s-min=77.3km az=155.0.

ISC	**X**	**01 17 32 29.4–.35**	**18.67N–.04**	**107.08W–.04**	**10**	**5.1b,4.6s**	**869**	**2-147**
ISCJB	X	01 17 32 27.0–.23	18.62N–.03	107.11W–.02	10	5.0b,4.6s		**¶601775520**
IDC	X	01 17 32 27.1–.68	18.69N	107.29W	0	4.7,4.6L		
NEIC	X	01 17 32 28.9–.26	18.61N	107.16W	10	5.3,5.2W		
MOS	X	01 17 32 29.5–1.2	18.73N	107.13W	21	5.2b,5.2W		
MEX	X	01 17 32 29.8–.50	18.69N	106.88W	5	5.3,5.2W		
BJI	X	01 17 32 30.6	18.70N	107.20W	21	5.5b,5.4b		
GCMT	X	01 17 32 31.0–.10	18.80N–.01	107.19W–.01	25–0	5.5W,5.4b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46 $M_{\theta\theta}$-3.27 $M_{\phi\phi}$4.72 $M_{r\theta}$1.58 $M_{\theta\phi}$-4.93 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s291.00000° ,δ74.00000°,λ-166.00000°. NP2:ϕ_s198.00000°,δ77.00000°,λ-16.00000°. Principal axes: T 7.0800,Plg2.0000°,Azm245.0000°; N -0.7500,Plg69.0000°,Azm339.0000° ; P -6.3300,Plg21.0000°,Azm154.0000° M_o6.70000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c168; s116,c220;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.03 $M_{\theta\theta}$-1.10±.03; $M_{\phi\phi}$1.17±.03; $M_{r\theta}$-0.35±.05; $M_{\theta\phi}$-1.64±.02; $M_{\phi r}$-0.07±.06; Best double couple: NP1:ϕ_s108.00000°,δ85.00000° ,λ-171.00000°. NP2:ϕ_s17.00000°,δ81.00000°,λ-5.00000°. Principal axes: T 2.0340,Plg3.0000°,Azm242.0000°; N -0.0160,Plg80.0000°,Azm137.0000° ; P -2.0210,Plg10.0000°,Azm333.0000° M_o2.02700×10^{17}

ISC	**X**	**29 17 03 52.1–.54**	**20.89N–.05**	**106.05W–.06**	**35**	**4.5b,3.7s**	**358**	**2-134**
IDC	X	29 17 03 45.5–.98	20.72N	105.90W	0	4.4,4.2		**¶601859230**
MEX	X	29 17 03 50.2–1.1	20.98N	106.29W	16–19	4.5,4.2		
ISCJB	X	29 17 03 51.6–.28	20.97N–.03	105.98W–.02	33	4.4b,3.7s		
NEIC	X	29 17 03 52.3–.64	20.81N	106.02W	42–6	4.7b,4.5		

ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=20.4km az=64.0.
MEX Error ellipse: s-maj=10.1km s-min=21.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=34.3.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=56.0.

ISC	**X**	**30 06 41 54.4–1.6**	**20.9N–.10**	**106.3W–.20**	**35**		**10**	**2-51**
IDC	X	30 06 41 39.7–9.4	20.03N	104.65W	0	3.8L,3.7		**¶602000441**
ISCJB	X	30 06 41 52.4–1.4	20.8N–.20	106.4W–.20	33	3.5s,3.3b		
MEX	X	30 06 41 53.4–1.1	20.83N	106.43W	10	3.9,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=165.6km s-min=82.8km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=34.2km s-min=7.9km az=138.5.
MEX Error ellipse: s-maj=29.9km s-min=41.1km az=-1.0.

MEX	**XI**	**09 07 58 12.4–.65**	**18.90N**	**105.28W**	**17–999**	**3.7**		**¶603826602**

MEX Error ellipse: s-maj=15.3km s-min=6.3km az=-1.0.

IDC	**XII**	**07 06 07 47.9–7.8**	**18.64N**	**107.78W**	**0**	**3.8,3.6L**		**¶602390574**

IDC Error ellipse: s-maj=139.3km s-min=76.4km az=145.0.

(55) Near coast of Jalisco.

MEX	**VII**	**03 13 05 01.0–.45**	**20.01N**	**105.75W**	**16–13**	**3.8**		**¶603312193**

MEX Error ellipse: s-maj=3.0km s-min=13.7km az=-1.0.

ISC	**VII**	**03 16 00 00.9–1.3**	**19.24N–.08**	**104.92W–.06**	**18–4**	**4.3b,3.4s**	**93**	**0-136**
MEX	VII	03 16 00 01.9–1.4	19.24N	105.03W	5	3.7,3.4s		**¶601258034**
ISCJB	VII	03 16 00 02.2–1.0	19.25N–.06	104.84W–.05	33–6	4.2b,3.3s		
NEIC	VII	03 16 00 03.9–1.6	18.94N	104.60W	71–9	4.2b,3.3s		
IDC	VII	03 16 00 06.7–4.5	19.31N	104.67W	67–35	3.9,3.9		

ISC Event type fe.
MEX Error ellipse: s-maj=8.0km s-min=10.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.5km az=30.5.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=5.5km az=191.0. Felt at Cihuatlan and Puerto Vallarta, Jalisco.
IDC Error ellipse: s-maj=49.2km s-min=23.9km az=50.0.

MEX	**VII**	**06 10 25 06.7–.39**	**19.32N**	**104.67W**	**16–5**	**3.7**		**¶603312232**

MEX Error ellipse: s-maj=4.2km s-min=2.3km az=-1.0.

MEX	**VII**	**10 14 01 56.7–1.1**	**19.72N**	**105.24W**	**28–34**	**3.5**		**¶603312289**

MEX Error ellipse: s-maj=22.8km s-min=20.5km az=-1.0.

MEX	**VII**	**24 19 49 27.9–.35**	**18.50N**	**104.64W**	**16–71**	**3.6**		**¶603312463**

MEX Error ellipse: s-maj=90.9km s-min=78.0km az=-1.0.

MEX	**VII**	**25 05 18 16.5–.53**	**18.31N**	**104.36W**	**24–19**	**3.6**		**¶603312475**

MEX Error ellipse: s-maj=10.7km s-min=7.0km az=-1.0.

MEX	**VII**	**26 09 35 56.7–.29**	**19.42N**	**105.80W**	**15**	**4.1**		**¶603312493**

MEX Error ellipse: s-maj=4.2km s-min=4.0km az=-1.0.

ISC	**VIII**	**01 22 43 29.3–.55**	**18.93N–.05**	**104.29W–.04**	**20**	**4.1b**	**141**	**0-126**
IDC	VIII	01 22 43 25.3–.92	18.80N	104.27W	0	4.2,4.1		**¶601511877**
ISCJB	VIII	01 22 43 26.9–.44	18.91N–.04	104.27W–.03	20	4.0b,4.1		
NEIC	VIII	01 22 43 29.0–.00	18.85N	104.37W	5	4.2,3.9b		
MEX	VIII	01 22 43 30.3–1.2	18.87N	104.36W	20–6	4.2,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=18.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=30.4.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.9km s-min=4.3km az=-1.0.

MEX	**VIII**	**02 22 12 05.3–.88**	**19.29N**	**104.22W**	**20–15**	**3.4**		**¶604033322**

MEX Error ellipse: s-maj=5.7km s-min=3.6km az=-1.0.

MEX	**VIII**	**06 17 25 12.9–1.2**	**19.30N**	**104.25W**	**10–5**	**3.5**		**¶604033358**

MEX Error ellipse: s-maj=5.2km s-min=4.7km az=-1.0.

MEX	**VIII**	**18 23 44 07.9–.64**	**19.12N**	**104.81W**	**16–17**	**3.7**		**¶604033449**

MEX Error ellipse: s-maj=16.4km s-min=10.0km az=-1.0.

MEX VIII 24 06 41 20.2–.48 19.46N 105.37W 5 3.8
¶604033509

MEX Error ellipse: s-maj=6.4km s-min=4.1km az=-1.0.
MEX VIII 24 17 20 19.2–.77 18.84N 104.36W 5 3.7
¶604033513

MEX Error ellipse: s-maj=4.9km s-min=3.0km az=-1.0.
MEX VIII 24 17 36 37.7–1.1 18.37N 104.69W 16–999 3.9
¶604033514

MEX Error ellipse: s-maj=14.3km s-min=10.8km az=-1.0.
MEX IX 12 02 37 23.8–.54 18.92N 104.55W 10 3.8
¶603514423

MEX Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
ISC IX 24 19 40 12.9–.88 19.2N–.10 104.90W–.07 27 4.0b,3.8s 22 0-136
IDC IX 24 19 40 08.7–1.2 18.84N 105.27W 0 4.1,3.9 ¶601864112
ISCJB IX 24 19 40 11.3–.82 19.19N–.08 104.91W–.06 27 3.8s,3.7b
MEX IX 24 19 40 11.5–1.0 19.19N 105.07W 15–87 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=26.2km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.3km az=28.7.
MEX Error ellipse: s-maj=8.2km s-min=74.3km az=-1.0.
MEX IX 25 19 46 32.3–.64 19.55N 104.72W 20–32 3.9
¶603514628

MEX Error ellipse: s-maj=5.7km s-min=3.0km az=-1.0.
MEX X 03 15 08 51.1–.44 20.15N 105.32W 20–15 3.9
¶603775684

MEX Error ellipse: s-maj=1.9km s-min=5.0km az=-1.0.
MEX X 11 10 04 22.6–.70 19.81N 104.43W 31–21 3.6
¶603775814

MEX Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0.
MEX X 20 03 02 32.2–.73 19.04N 104.09W 7 4.2
NEIC X 20 03 02 32.2–.00 19.04N 104.09W 7 4.2 ¶601999000
MEX Error ellipse: s-maj=4.3km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 20 03 20 12.1–.93 19.07N 104.08W 8–4 4.0
¶603775951

MEX Error ellipse: s-maj=3.8km s-min=8.9km az=-1.0.
MEX X 20 04 57 41.5–.41 19.12N 104.14W 5 3.9
¶603775953

MEX Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0.
MEX X 20 10 43 17.0–.36 19.13N 104.13W 2–4 3.7
¶603775957

MEX Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
MEX X 20 11 29 50.7–.55 18.70N 104.29W 5 3.8
¶603775958

MEX Error ellipse: s-maj=7.6km s-min=3.3km az=-1.0.
MEX X 23 21 10 09.7–.91 19.09N 104.16W 3–5 3.5
¶603776022

MEX Error ellipse: s-maj=3.0km s-min=3.6km az=-1.0.
MEX X 23 21 11 43.4–.96 19.06N 104.15W 6–9 3.6
¶603776023

MEX Error ellipse: s-maj=7.5km s-min=5.5km az=-1.0.
MEX XI 06 19 46 50.5–.51 19.46N 105.90W 25–9 3.9
¶603826550

MEX Error ellipse: s-maj=21.2km s-min=5.9km az=-1.0.
MEX XI 10 15 16 17.5–.63 19.08N 104.17W 5 3.7
¶603826631

MEX Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
MEX XII 18 09 16 43.4–.95 19.65N 104.80W 20–133 3.7
¶603932086

MEX Error ellipse: s-maj=24.5km s-min=14.5km az=-1.0.
MEX XII 19 11 24 37.3–.70 19.60N 105.81W 5 4.0
¶603932090

MEX Error ellipse: s-maj=12.9km s-min=8.6km az=-1.0.
MEX XII 20 01 10 58.2–.69 19.19N 104.06W 8–5 3.9
¶603932096

MEX Error ellipse: s-maj=3.9km s-min=4.0km az=-1.0.

(56) Near coast of Michoacan.

MEX VII 02 06 18 33.8–.34 18.58N 103.54W 14–5 3.7
¶603312182

MEX Error ellipse: s-maj=2.9km s-min=5.5km az=-1.0.
MEX VII 03 02 36 23.6–.31 18.23N 103.43W 11–2 3.7
¶603312188

MEX Error ellipse: s-maj=3.5km s-min=2.9km az=-1.0.
MEX VII 03 19 21 34.5–.33 18.16N 103.50W 15–25 3.5
¶603312198

MEX Error ellipse: s-maj=5.9km s-min=10.0km az=-1.0.
MEX VII 04 13 03 09.0–.64 18.05N 103.22W 5–5 3.7
¶603312210

MEX Error ellipse: s-maj=8.0km s-min=8.5km az=-1.0.
MEX VII 06 05 11 40.5–.29 18.17N 103.31W 17–4 3.7
¶603312228

MEX Error ellipse: s-maj=4.7km s-min=7.6km az=-1.0.
MEX VII 06 20 38 00.8–.56 18.57N 103.07W 41–42 3.7
¶603312236

MEX Error ellipse: s-maj=15.0km s-min=7.7km az=-1.0.
MEX VII 07 19 33 28.7–.52 18.19N 103.35W 63–4 3.9
¶603312249

MEX Error ellipse: s-maj=5.5km s-min=6.1km az=-1.0.
MEX VII 12 19 14 04.2–.33 17.67N 103.25W 16–999 4.0
¶603312328

MEX Error ellipse: s-maj=11.8km s-min=4.5km az=-1.0.
MEX VII 13 12 28 55.3–.39 17.98N 102.41W 10–5 3.9
¶603312338

MEX Error ellipse: s-maj=6.1km s-min=2.3km az=-1.0.
MEX VII 22 11 07 14.7–.68 17.54N 102.44W 16–15 3.8
¶603312417

MEX Error ellipse: s-maj=19.6km s-min=6.4km az=-1.0.
MEX VIII 08 05 08 10.0–1.1 18.29N 103.81W 17–532 3.6
¶604033363

MEX Error ellipse: s-maj=451.3km s-min=42.3km az=-1.0.
ISC VIII 18 07 16 44.3–3.0 18.0N–.10 103.38W–.09 8–15 3.0b 18 0-55
ISCJB VIII 18 07 16 44.8–2.6 18.1N–.20 103.38W–.09 19–12 3.0b ¶601734979
IDC VIII 18 07 16 45.6–4.8 18.30N 103.50W 0 3.6L,3.5
NEIC VIII 18 07 16 47.4–.00 18.10N 103.35W 5 4.1,3.5
MEX VIII 18 07 16 47.4–.30 18.10N 103.35W 5 4.1,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=8.5km az=25.0.
IDC Error ellipse: s-maj=131.4km s-min=45.7km az=100.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.0km s-min=4.7km az=-1.0.
MEX VIII 18 07 31 05.4–.43 18.10N 103.32W 7–999 4.0
NEIC VIII 18 07 31 05.4–.00 18.10N 103.32W 7 4.0 ¶601734980
MEX Error ellipse: s-maj=86.1km s-min=999.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 19 13 03 06.6–.41 18.16N 103.49W 5 3.5
¶604033456

MEX Error ellipse: s-maj=6.8km s-min=2.3km az=-1.0.
MEX VIII 22 11 38 15.5–.53 18.09N 103.38W 2 3.6
¶604033480

MEX Error ellipse: s-maj=5.6km s-min=7.9km az=-1.0.
MEX VIII 23 00 05 39.8–.74 17.99N 102.09W 54–28 3.9
¶604033485

MEX Error ellipse: s-maj=17.7km s-min=6.8km az=-1.0.
MEX VIII 23 03 42 39.3–.55 18.04N 103.28W 9–4 3.9
¶604033489

MEX Error ellipse: s-maj=5.2km s-min=8.3km az=-1.0.
MEX VIII 27 01 09 12.6–.64 18.12N 103.31W 14–3 3.6
¶604033545

MEX Error ellipse: s-maj=7.6km s-min=14.6km az=-1.0.
MEX IX 13 06 32 07.4–.59 17.97N 103.39W 9–3 4.0

NEIC IX 13 06 32 07.4–.00 17.97N 103.39W 9 4.3b,4.0 ¶601839720
MEX Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 15 20 45 05.0–.61 18.14N 103.45W 9–5 3.6
¶603514469

MEX Error ellipse: s-maj=5.7km s-min=6.9km az=-1.0.
MEX IX 16 13 39 59.1–.82 17.95N 103.07W 4–5 3.8
¶603514485

MEX Error ellipse: s-maj=7.4km s-min=6.3km az=-1.0.
MEX IX 20 20 29 29.7–.35 17.64N 102.21W 9–7 3.7
¶603514542

MEX Error ellipse: s-maj=7.2km s-min=4.6km az=-1.0.
MEX IX 22 10 40 26.4–.58 18.11N 103.34W 11–3 3.5
¶603514573

MEX Error ellipse: s-maj=4.9km s-min=8.2km az=-1.0.
MEX IX 24 01 54 26.9–.45 18.18N 103.49W 9–16 3.6
¶603514605

MEX Error ellipse: s-maj=12.4km s-min=14.0km az=-1.0.
MEX IX 24 08 42 26.4–.60 18.14N 103.39W 11–4 3.7
¶603514608

MEX Error ellipse: s-maj=6.1km s-min=8.1km az=-1.0.
MEX IX 27 16 16 37.9–.44 18.24N 103.15W 55–4 3.8
¶603514690

MEX Error ellipse: s-maj=4.7km s-min=4.9km az=-1.0.
MEX X 01 11 32 31.2–.81 18.73N 103.69W 10–8 3.7
¶603775643

MEX Error ellipse: s-maj=4.3km s-min=7.9km az=-1.0.
MEX X 02 05 44 56.6–.81 18.11N 103.32W 5 3.8
¶603775658

MEX Error ellipse: s-maj=7.1km s-min=36.7km az=-1.0.
MEX X 02 21 02 31.8–1.0 18.22N 103.64W 5 3.7
¶603775665

MEX Error ellipse: s-maj=14.0km s-min=6.1km az=-1.0.
MEX X 10 08 46 31.4–.60 18.14N 103.37W 5 3.8
¶603775789

MEX Error ellipse: s-maj=5.3km s-min=8.3km az=-1.0.
MEX X 10 21 57 29.7–.41 17.78N 103.10W 5 3.8
¶603775801

MEX Error ellipse: s-maj=7.2km s-min=8.7km az=-1.0.
MEX X 12 21 54 53.9–.82 17.69N 102.98W 16–19 4.0
NEIC X 12 21 54 53.9–.00 17.69N 102.98W 16 4.0 ¶601909985
MEX Error ellipse: s-maj=21.8km s-min=13.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 14 10 21 06.1–1.7 17.98N 102.64W 20 3.8
¶603775869

MEX Error ellipse: s-maj=19.7km s-min=13.1km az=-1.0.
MEX X 16 17 34 56.9–.58 18.10N 103.48W 4 3.6
¶603775898

MEX Error ellipse: s-maj=7.7km s-min=5.1km az=-1.0.
MEX X 19 13 28 23.7–.84 18.18N 103.54W 5 3.9
¶603775947

MEX Error ellipse: s-maj=5.4km s-min=4.0km az=-1.0.
MEX X 20 22 11 44.8–.86 18.72N 103.91W 58–22 3.7
¶603775964

MEX Error ellipse: s-maj=8.0km s-min=19.0km az=-1.0.
MEX X 21 20 12 28.3–.79 18.22N 103.46W 5 3.9
¶603775982

MEX Error ellipse: s-maj=5.9km s-min=5.0km az=-1.0.
MEX X 22 13 23 44.7–.50 17.52N 102.22W 16–13 3.6
¶603775997

MEX Error ellipse: s-maj=15.1km s-min=5.6km az=-1.0.
MEX X 22 18 11 40.8–.69 18.51N 103.73W 18–20 3.6
¶603776001

MEX Error ellipse: s-maj=13.2km s-min=27.4km az=-1.0.
MEX X 24 08 34 08.7–1.2 18.14N 103.38W 1 3.8
¶603776031

MEX Error ellipse: s-maj=20.5km s-min=28.9km az=-1.0.
MEX X 24 14 18 45.9–.67 18.04N 103.58W 2 3.8
¶603776037

MEX Error ellipse: s-maj=7.5km s-min=3.5km az=-1.0.
MEX X 26 04 41 29.8–.42 18.09N 103.47W 28–103 3.6
¶603776064

MEX Error ellipse: s-maj=20.3km s-min=121.0km az=-1.0.
ISC X 26 08 42 42.6–.46 18.30N–.04 103.58W–.04 20–2 4.7b,4.0s 610 0-149
GCMT X 26 08 42 43.2–.60 18.14N–.03 103.63W–.04 23–1 4.8W,4.0s ¶601852888
MEX X 26 08 42 43.2–1.5 18.25N 103.61W 7–20 4.8,4.0s
NEIC X 26 08 42 43.2–.00 18.25N 103.61W 7 4.8,4.6b
IDC X 26 08 42 47.0–2.6 18.35N 103.47W 53–21 4.4,4.4
ISCJB X 26 08 42 47.8–.62 18.51N–.04 103.27W–.02 72–4 4.6b,4.4
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c33; s63,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.06±.16 $M_{\theta\theta}$-1.57±.10; $M_{\phi\phi}$-0.48±.10; $M_{r\theta}$0.95±.12; $M_{\theta\phi}$0.82±.06; $M_{\phi r}$-0.67±.14; Best double couple: NP1:ϕ_s122.00000°,δ60.00000°,λ93.00000°. NP2:ϕ_s295.00000°,δ30.00000°,λ85.00000°. Principal axes: T 2.3720,Plg75.0000° ,Azm40.0000°; N -0.0480,Plg3.0000°,Azm300.0000°; P -2.3200,Plg15.0000°,Azm209.0000° M_o2.34600×10^{16}
NEIC Event type se. After MEX.
ISCJB Event type se.
MEX X 26 14 15 11.2–.58 17.86N 102.83W 13–10 3.9
¶603776067

MEX Error ellipse: s-maj=8.0km s-min=5.6km az=-1.0.
MEX X 27 11 51 08.4–.63 18.31N 103.75W 10 3.6
¶603776089

MEX Error ellipse: s-maj=11.6km s-min=8.4km az=-1.0.
MEX X 29 11 41 30.0–.53 18.13N 103.46W 4 3.5
¶603776307

MEX Error ellipse: s-maj=8.8km s-min=5.6km az=-1.0.
MEX XI 04 10 18 56.4–.73 18.22N 103.36W 14–2 4.0
NEIC XI 04 10 18 56.4–.00 18.22N 103.36W 14 4.0 ¶602051275
MEX Error ellipse: s-maj=4.3km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 04 10 32 45.6–.47 18.13N 103.37W 12–58 3.6
¶603826517

MEX Error ellipse: s-maj=10.6km s-min=258.4km az=-1.0.
MEX XI 08 00 26 45.1–.35 18.06N 103.27W 23–6 3.6
¶603826569

MEX Error ellipse: s-maj=4.6km s-min=5.3km az=-1.0.
MEX XI 17 05 15 50.7–.85 17.70N 102.82W 16–15 3.9
¶603826754

MEX Error ellipse: s-maj=19.0km s-min=10.3km az=-1.0.
MEX XI 23 07 02 38.2–1.0 18.54N 103.78W 5 4.0
NEIC XI 23 07 02 38.8–.00 18.53N 103.81W 5 4.0,3.8b ¶602042692
MEX Error ellipse: s-maj=4.6km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 23 11 27 08.7–1.0 18.50N 103.81W 10–12 3.6
¶603826804

MEX Error ellipse: s-maj=6.8km s-min=9.4km az=-1.0.
MEX XI 23 18 52 28.7–.51 18.14N 103.43W 5 3.8
¶603826809

MEX Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.
MEX XII 01 11 26 26.6–.27 18.13N 103.48W 5 3.6
¶603931921

MEX Error ellipse: s-maj=4.5km s-min=2.5km az=-1.0.
MEX XII 03 21 22 46.1–.72 18.11N 103.36W 20–141 3.5
¶603931940

MEX Error ellipse: s-maj=106.6km s-min=88.2km az=-1.0.
MEX XII 03 22 49 49.5–.53 17.82N 103.28W 22–34 3.6
¶603931944

MEX Error ellipse: s-maj=8.1km s-min=15.3km az=-1.0.
MEX XII 03 23 22 11.6–.36 18.61N 103.47W 51–6 3.7

MEX Error ellipse: s-maj=3.5km s-min=11.3km az=-1.0.
MEX XII 04 09 39 32.1–.45 17.82N 103.64W 16 4.0
NEIC XII 04 09 39 32.1–.00 17.82N 103.64W 16 4.0 **¶602323562**
MEX Error ellipse: s-maj=4.3km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 05 21 17 42.6–.34 18.16N 103.12W 7–13 3.6

MEX Error ellipse: s-maj=16.1km s-min=11.5km az=-1.0.
MEX XII 12 00 57 59.7–.32 18.08N 103.26W 1 3.5

MEX Error ellipse: s-maj=10.5km s-min=22.0km az=-1.0.
MEX XII 18 01 53 43.1–.70 18.10N 103.41W 8–7 3.6

MEX Error ellipse: s-maj=5.7km s-min=11.0km az=-1.0.
MEX XII 18 04 16 29.4–.78 18.06N 103.25W 10 3.6

MEX Error ellipse: s-maj=19.9km s-min=45.3km az=-1.0.
MEX XII 22 03 57 26.6–.62 18.92N 103.45W 9–3 3.7

MEX Error ellipse: s-maj=2.5km s-min=4.7km az=-1.0.
MEX XII 25 08 38 43.8–.54 18.13N 103.45W 2 3.8

MEX Error ellipse: s-maj=7.2km s-min=4.2km az=-1.0.
MEX XII 26 03 39 02.4–.61 18.22N 103.18W 27–25 3.7

MEX Error ellipse: s-maj=17.4km s-min=32.0km az=-1.0.
MEX XII 26 07 28 06.1–.64 18.10N 103.34W 3 3.9

MEX Error ellipse: s-maj=4.9km s-min=15.1km az=-1.0.
MEX XII 27 14 17 24.0–.51 18.22N 103.51W 2 3.9

MEX Error ellipse: s-maj=5.7km s-min=2.6km az=-1.0.
MEX XII 29 10 20 27.6–.42 18.68N 103.47W 62–5 3.6

MEX Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
MEX XII 29 14 40 21.8–.47 18.59N 103.28W 37–13 3.7

MEX Error ellipse: s-maj=4.3km s-min=7.9km az=-1.0.

(57) Michoacan.
MEX VII 04 04 49 30.7–.85 18.72N 102.08W 17–999 3.8

MEX Error ellipse: s-maj=3.7km s-min=3.3km az=-1.0.
MEX VII 12 16 16 32.8–.33 18.81N 102.78W 56–29 3.6

MEX Error ellipse: s-maj=14.2km s-min=6.8km az=-1.0.
MEX VII 12 16 28 25.0–.51 18.40N 102.84W 83–10 4.0

MEX Error ellipse: s-maj=9.8km s-min=4.4km az=-1.0.
MEX VII 12 17 00 19.2–.33 18.47N 102.88W 87–7 3.8

MEX Error ellipse: s-maj=8.7km s-min=3.8km az=-1.0.
MEX VII 19 11 49 47.5–.85 19.17N 102.75W 5 3.8

MEX Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
MEX VII 20 18 40 10.1–.43 18.37N 102.86W 17–10 3.7

MEX Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0.
MEX VII 24 04 35 36.9–.33 18.46N 102.90W 89–9 3.7

MEX Error ellipse: s-maj=15.1km s-min=5.8km az=-1.0.
MEX VII 29 22 32 10.0–.76 18.91N 102.32W 43–51 3.9

MEX Error ellipse: s-maj=5.0km s-min=3.7km az=-1.0.
MEX VII 30 03 53 19.0–.56 18.40N 102.59W 111–12 3.7

MEX Error ellipse: s-maj=13.2km s-min=5.5km az=-1.0.
MEX VII 30 07 38 31.3–.74 18.97N 102.76W 58–23 3.7

MEX Error ellipse: s-maj=8.0km s-min=4.4km az=-1.0.
MEX VIII 14 04 23 44.2–.73 18.37N 102.99W 44–11 3.8

MEX Error ellipse: s-maj=5.4km s-min=5.3km az=-1.0.
MEX VIII 27 21 02 28.0–.69 18.06N 102.94W 1–18 3.6

MEX Error ellipse: s-maj=24.0km s-min=15.5km az=-1.0.
ISC IX 08 03 00 38.2–2.6 18.5N–.10 102.55W–.08 23–26 11 1-29
MEX IX 08 03 00 40.5–.34 18.56N 102.54W 14–5 3.5 **¶603514385**
IDC IX 08 03 00 59.9–17 18.11N 108.65W 0 3.7,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=248.8km s-min=87.1km az=166.0.
MEX IX 15 23 02 55.6–.65 18.63N 102.10W 8–6 4.0
NEIC IX 15 23 02 55.6–.00 18.63N 102.10W 8 4.0 **¶601842080**
MEX Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 21 09 10 27.0–.39 18.82N 102.89W 92–8 3.6

MEX Error ellipse: s-maj=3.3km s-min=4.6km az=-1.0.
ISC X 05 00 14 55.3–.92 19.3N–.10 102.29W–.04 11 13 1-24
ISCJB X 05 00 14 53.9–.74 19.34N–.07 102.28W–.04 11 3.1b **¶601997081**
MEX X 05 00 14 57.1–1.8 19.45N 102.26W 16–42 4.2
IDC X 05 00 14 59.8–4.4 19.77N 101.86W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.7km az=168.9.
MEX Error ellipse: s-maj=22.8km s-min=12.1km az=-1.0.
IDC Error ellipse: s-maj=105.0km s-min=22.3km az=36.0.
MEX X 17 14 30 46.8–.74 18.42N 102.98W 40 3.7

MEX Error ellipse: s-maj=4.9km s-min=10.3km az=-1.0.
MEX X 17 19 59 03.4–.48 18.81N 102.98W 92–10 3.7

MEX Error ellipse: s-maj=4.0km s-min=10.8km az=-1.0.
MEX XI 01 12 58 54.1–.86 19.48N 102.51W 15 3.7

MEX Error ellipse: s-maj=7.9km s-min=6.2km az=-1.0.
MEX XI 18 06 33 02.0–.54 18.40N 102.31W 66–15 3.8

MEX Error ellipse: s-maj=5.9km s-min=4.4km az=-1.0.
ISC XI 28 09 44 23.1–.95 18.45N–.06 102.18W–.04 67–13 3.4b 24 1-55
IDC XI 28 09 44 14.0–4.1 18.16N 102.72W 0 4.0,3.7 **¶602390108**
ISCJB XI 28 09 44 22.3–.49 18.45N–.06 102.18W–.03 72–9 3.3b,3.7
MEX XI 28 09 44 24.2–.63 18.49N 102.17W 7–5 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=94.9km s-min=34.3km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.3km az=14.8.
MEX Error ellipse: s-maj=2.7km s-min=1.8km az=-1.0.
MEX XII 05 05 28 10.0–.91 18.29N 102.84W 9–10 4.0
NEIC XII 05 05 28 09.7–.00 18.18N 102.94W 54 4.0 **¶602340280**
MEX Error ellipse: s-maj=5.2km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 06 12 18 53.5–.50 18.78N 102.65W 72–24 3.8

MEX Error ellipse: s-maj=5.0km s-min=14.9km az=-1.0.
ISC XII 07 20 07 14.1–.81 18.32N–.05 102.65W–.03 56–8 4.2b 144 1-127
ISCJB XII 07 20 07 13.4–.40 18.33N–.04 102.63W–.03 63–3 4.1b **¶602330332**
NEIC XII 07 20 07 15.6–.00 18.27N 102.68W 55 4.1b,4.0
MEX XII 07 20 07 15.3–.69 18.32N 102.64W 8–8 4.0,4.0
IDC XII 07 20 07 21.9–4.0 18.72N 102.10W 112–33 4.1,3.9
ISC Event type se.

¶603931945
¶603931969
¶603932024
¶603932079
¶603932082
¶603932115
¶603932143
¶603932152
¶603932153
¶603932160
¶603932175
¶603932177
¶603312206
¶603312325
¶601541950
¶603312326
¶603312391
¶603312404
¶603312450
¶603312534
¶603312539
¶603312545
¶604033414
¶604033553
¶603775917
¶603775920
¶603826472
¶603826766
¶603931973

ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.3km az=23.7.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=43.6km s-min=14.8km az=51.0.
ISC XII 08 15 56 36.5–1.3 18.48N–.06 102.66W–.03 32–12 3.3b 38 1-55
IDC XII 08 15 56 21.7–6.7 17.54N 101.62W 0 3.8,3.6 **¶602340292**
MEX XII 08 15 56 39.2–.93 18.27N 102.69W 54–23 4.1,3.6
NEIC XII 08 15 56 39.2–.00 18.28N 102.69W 54 4.1,3.6
ISC Event type se.
IDC Error ellipse: s-maj=133.8km s-min=105.1km az=107.0.
MEX Error ellipse: s-maj=9.4km s-min=9.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 14 15 29 40.9–.48 18.15N 102.17W 5 4.0
NEIC XII 14 15 29 40.9–.00 18.15N 102.18W 5 4.0 **¶602355612**
MEX Error ellipse: s-maj=7.3km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 16 09 26 42.3–.61 18.13N 102.30W 16–10 4.0
NEIC XII 16 09 26 42.3–.00 18.13N 102.30W 16 4.0 **¶602324112**
MEX Error ellipse: s-maj=6.5km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 18 06 15 49.2–.83 18.10N 102.19W 38–17 3.9

MEX Error ellipse: s-maj=9.1km s-min=5.0km az=-1.0.
MEX XII 28 03 49 17.4–1.1 19.57N 102.40W 13–12 3.9

MEX Error ellipse: s-maj=8.2km s-min=3.3km az=-1.0.

(58) Near coast of Guerrero.
MEX VII 01 21 20 54.9–.32 17.81N 101.62W 7–5 3.8

MEX Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0.
MEX VII 02 16 06 04.5–.46 16.54N 98.59W 8–5 4.0
NEIC VII 02 16 06 04.5–.00 16.54N 98.59W 8 4.0 **¶601562063**
MEX Error ellipse: s-maj=3.5km s-min=1.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 02 19 01 45.8–.40 17.37N 101.13W 18–308 3.8

MEX Error ellipse: s-maj=3.5km s-min=8.6km az=-1.0.
MEX VII 02 20 43 31.8–.52 16.62N 98.44W 18–234 4.0
NEIC VII 02 20 43 31.8–.00 16.62N 98.44W 18 4.0 **¶601562066**
MEX Error ellipse: s-maj=5.0km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 03 22 24 55.0–.60 16.29N 99.59W 18–21 3.9

MEX Error ellipse: s-maj=18.2km s-min=5.5km az=-1.0.
MEX VII 04 02 56 45.1–.58 16.46N 98.62W 16–8 3.6

MEX Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0.
MEX VII 04 10 33 24.0–.50 16.16N 98.44W 4–5 3.8

MEX Error ellipse: s-maj=5.3km s-min=3.9km az=-1.0.
MEX VII 04 12 25 30.9–.37 16.36N 98.29W 11–2 3.7

MEX Error ellipse: s-maj=5.1km s-min=2.6km az=-1.0.
MEX VII 04 12 57 37.5–.57 16.48N 98.53W 16–8 3.6

MEX Error ellipse: s-maj=3.8km s-min=4.2km az=-1.0.
MEX VII 04 13 36 50.1–.49 17.36N 101.64W 4–6 4.0
NEIC VII 04 13 36 50.1–.00 17.36N 101.64W 4 4.0 **¶601562071**
MEX Error ellipse: s-maj=3.7km s-min=8.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 04 14 10 38.1–.81 16.31N 98.26W 5–5 4.0
NEIC VII 04 14 10 38.1–.00 16.31N 98.26W 5 4.0 **¶601562072**
MEX Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 04 19 49 54.8–.47 17.72N 101.35W 38–7 3.8

MEX Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0.
MEX VII 05 00 43 36.3–.47 16.70N 98.41W 16–6 3.5

MEX Error ellipse: s-maj=2.4km s-min=4.7km az=-1.0.
MEX VII 05 06 02 55.6–.40 16.27N 98.44W 18–32 4.0
NEIC VII 05 06 02 55.6–.00 16.27N 98.44W 18 4.0 **¶601551747**
MEX Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 05 06 49 02.2–.48 16.52N 98.55W 12–5 3.9

MEX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
MEX VII 06 02 19 54.0–.27 16.42N 98.39W 13–6 3.8

MEX Error ellipse: s-maj=7.5km s-min=2.7km az=-1.0.
MEX VII 06 06 41 24.5–.66 16.24N 98.31W 23–11 3.9

MEX Error ellipse: s-maj=7.2km s-min=6.1km az=-1.0.
MEX VII 06 21 31 49.7–.53 16.24N 98.25W 5 3.6

MEX Error ellipse: s-maj=6.4km s-min=4.8km az=-1.0.
MEX VII 07 05 08 37.9–.36 16.70N 99.97W 3–2 3.6

MEX Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
MEX VII 07 09 53 34.1–.37 16.23N 98.36W 5 3.5

MEX Error ellipse: s-maj=4.3km s-min=2.3km az=-1.0.
MEX VII 07 15 56 40.7–.61 16.90N 99.92W 39–4 3.6

MEX Error ellipse: s-maj=4.7km s-min=3.5km az=-1.0.
MEX VII 07 18 23 07.0–.41 16.23N 98.23W 9–3 3.8

MEX Error ellipse: s-maj=5.1km s-min=6.5km az=-1.0.
MEX VII 08 04 50 45.5–.66 16.08N 98.89W 16–94 3.8

MEX Error ellipse: s-maj=63.1km s-min=59.9km az=-1.0.
MEX VII 08 07 29 59.3–.32 16.19N 98.08W 3–3 3.8

MEX Error ellipse: s-maj=3.7km s-min=5.0km az=-1.0.
MEX VII 08 09 48 23.4–.34 16.01N 99.32W 5–9 4.0

MEX Error ellipse: s-maj=7.2km s-min=5.6km az=-1.0.
MEX VII 08 14 31 06.0–.55 16.02N 98.56W 5 3.8

MEX Error ellipse: s-maj=6.3km s-min=3.6km az=-1.0.
MEX VII 09 00 08 41.8–.31 16.46N 98.56W 15 3.6

MEX Error ellipse: s-maj=4.2km s-min=4.3km az=-1.0.
MEX VII 09 06 51 41.8–.45 16.23N 98.06W 5 3.6

MEX Error ellipse: s-maj=5.8km s-min=5.7km az=-1.0.
MEX VII 09 11 56 31.7–.65 16.47N 98.55W 16–30 3.5

MEX Error ellipse: s-maj=25.8km s-min=10.3km az=-1.0.
MEX VII 09 15 24 32.2–.35 16.02N 98.51W 16–49 3.8

MEX Error ellipse: s-maj=39.8km s-min=18.4km az=-1.0.
MEX VII 09 16 17 11.8–.30 16.38N 98.34W 25–5 3.7

MEX Error ellipse: s-maj=4.2km s-min=4.6km az=-1.0.
MEX VII 10 02 12 08.0–.33 16.22N 98.14W 4–4 3.6

MEX Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0.
MEX VII 10 04 29 13.8–.36 16.06N 98.56W 16–40 4.0

¶603932083
¶603932165
¶603312174
¶603312183
¶603312200
¶603312205
¶603312207
¶603312208
¶603312209
¶603312212
¶603312217
¶603312218
¶603312227
¶603312229
¶603312237
¶603312239
¶603312245
¶603312246
¶603312248
¶603312252
¶603312253
¶603312255
¶603312259
¶603312269
¶603312272
¶603312276
¶603312277
¶603312278
¶603312283
¶603312285

MEX Error ellipse: s-maj=31.8km s-min=17.9km az=-1.0.
MEX VII 10 10 34 39.3–.36 16.22N 98.08W 5–5 3.5
¶603312288

MEX Error ellipse: s-maj=5.0km s-min=7.8km az=-1.0.
MEX VII 10 17 44 36.2–.37 16.31N 98.30W 7–4 3.5
¶603312293

MEX Error ellipse: s-maj=5.0km s-min=3.5km az=-1.0.
MEX VII 11 00 35 10.9–.57 16.28N 98.23W 12–4 3.8
¶603312304

MEX Error ellipse: s-maj=8.3km s-min=8.4km az=-1.0.
MEX VII 11 02 10 13.5–.69 16.27N 98.28W 5 3.5
¶603312305

MEX Error ellipse: s-maj=7.6km s-min=4.2km az=-1.0.
MEX VII 11 06 43 09.8–.69 16.31N 98.31W 5 3.7
¶603312308

MEX Error ellipse: s-maj=7.2km s-min=4.2km az=-1.0.
MEX VII 11 12 19 49.2–.38 16.04N 98.54W 12–13 4.0
NEIC VII 11 12 19 49.2–.00 16.04N 98.54W 12 4.0 ¶601564436
MEX Error ellipse: s-maj=9.8km s-min=6.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 13 00 08.4–.41 16.03N 98.54W 16–56 3.7
¶603312311

MEX Error ellipse: s-maj=43.0km s-min=22.2km az=-1.0.
MEX VII 11 13 01 57.0–.53 16.33N 98.29W 6–3 4.0
NEIC VII 11 13 01 57.3–.00 16.34N 98.28W 7 4.0 ¶601625019
MEX Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 22 50 03.9–.55 17.85N 101.35W 52–6 3.9
¶603312313

MEX Error ellipse: s-maj=4.8km s-min=3.3km az=-1.0.
MEX VII 12 00 36 14.3–.36 16.69N 99.67W 11–3 3.5
¶603312317

MEX Error ellipse: s-maj=5.8km s-min=3.4km az=-1.0.
MEX VII 12 06 00 16.1–.36 16.51N 98.43W 26–24 3.8
¶603312319

MEX Error ellipse: s-maj=4.7km s-min=10.9km az=-1.0.
MEX VII 12 07 26 42.5–.32 16.24N 98.16W 7–2 3.7
¶603312320

MEX Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0.
MEX VII 12 11 51 35.5–.47 16.25N 98.17W 8–7 3.7
¶603312321

MEX Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
MEX VII 12 12 46 25.7–.44 16.38N 98.47W 6–4 3.7
¶603312322

MEX Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0.
MEX VII 13 00 28 59.9–.34 16.24N 98.17W 13–2 3.7
¶603312332

MEX Error ellipse: s-maj=4.2km s-min=7.5km az=-1.0.
MEX VII 13 10 38 52.2–.38 16.49N 98.49W 13–9 3.5
¶603312337

MEX Error ellipse: s-maj=5.1km s-min=7.0km az=-1.0.
MEX VII 14 00 57 19.8–.47 16.22N 98.38W 4–6 4.0
NEIC VII 14 00 57 20.3–.00 16.25N 98.37W 5 4.0 ¶601519819
MEX Error ellipse: s-maj=6.1km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 14 01 23 01.1–.38 16.32N 98.47W 15 3.6
¶603312343

MEX Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
MEX VII 14 05 17 17.5–.80 16.37N 98.40W 5 4.1
NEIC VII 14 05 17 17.4–.00 16.35N 98.40W 5 4.1 ¶601519818
MEX Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 14 09 44 45.4–.66 16.17N 98.03W 5 3.9
¶603312345

MEX Error ellipse: s-maj=6.0km s-min=4.0km az=-1.0.
MEX VII 15 15 38 44.6–.49 16.41N 98.63W 17–40 3.5
¶603312356

MEX Error ellipse: s-maj=35.6km s-min=4.6km az=-1.0.
MEX VII 15 16 21 48.6–.41 16.47N 98.58W 16–5 3.5
¶603312359

MEX Error ellipse: s-maj=3.2km s-min=3.1km az=-1.0.
MEX VII 15 20 29 38.0–.34 17.95N 101.53W 39–9 3.5
¶603312363

MEX Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
MEX VII 16 03 30 29.6–.73 16.30N 98.43W 19–85 3.6
¶603312368

MEX Error ellipse: s-maj=8.9km s-min=8.9km az=-1.0.
MEX VII 16 10 57 06.4–.68 16.05N 98.35W 5 3.8
¶603312369

MEX Error ellipse: s-maj=3.5km s-min=2.9km az=-1.0.
MEX VII 17 03 22 19.0–.89 16.31N 98.36W 5 3.5
¶603312377

MEX Error ellipse: s-maj=11.7km s-min=5.3km az=-1.0.
MEX VII 17 05 30 08.2–.34 16.19N 98.22W 8–3 3.5
¶603312379

MEX Error ellipse: s-maj=3.7km s-min=3.1km az=-1.0.
MEX VII 17 11 27 26.9–.72 16.35N 99.23W 12–23 3.5
¶603312380

MEX Error ellipse: s-maj=18.4km s-min=8.7km az=-1.0.
ISC VII 17 20 01 30.3–1.2 16.45N–.05 98.89W–.03 17–8 4.5b,3.7s 504 1-129
BJI VII 17 20 01 30.0 16.50N 98.70W 21 4.8s,4.4 ¶601404376
ISCJB VII 17 20 01 31.4–.32 16.57N–.03 98.64W–.02 33 4.5b,3.8s
MEX VII 17 20 01 32.2–.63 16.42N 98.90W 13–5 4.5,3.8s
NEIC VII 17 20 01 34.5–.52 16.65N 98.63W 36–3 4.5,4.5b
IDC VII 17 20 01 34.5–6.5 16.66N 98.66W 35–45 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=15.8.
MEX Error ellipse: s-maj=3.4km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=200.0.
IDC Error ellipse: s-maj=47.9km s-min=16.7km az=36.0.
MEX VII 18 01 21 03.1–.67 16.27N 98.46W 8–6 3.7
¶603312383

MEX Error ellipse: s-maj=8.3km s-min=4.1km az=-1.0.
MEX VII 18 03 07 05.9–.43 16.61N 100.46W 5–3 3.9
¶603312384

MEX Error ellipse: s-maj=3.6km s-min=8.2km az=-1.0.
MEX VII 19 05 19 15.6–.87 16.76N 99.69W 14–4 4.0
¶603312389

MEX Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
MEX VII 19 10 31 53.5–.52 16.00N 98.32W 2–4 3.6
¶603312390

MEX Error ellipse: s-maj=4.5km s-min=4.3km az=-1.0.
MEX VII 19 17 11 03.2–.85 16.68N 99.87W 15–12 3.9
¶603312393

MEX Error ellipse: s-maj=10.8km s-min=3.6km az=-1.0.
MEX VII 20 01 55 17.1–.56 16.28N 98.27W 5 3.7
¶603312397

MEX Error ellipse: s-maj=3.8km s-min=2.0km az=-1.0.
MEX VII 20 04 42 36.9–.41 16.30N 98.51W 6–3 4.0
NEIC VII 20 04 42 37.4–.00 16.26N 98.51W 15 4.0 ¶601664893
MEX Error ellipse: s-maj=3.1km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 20 05 22 20.9–.58 16.54N 98.43W 7–6 3.8
¶603312398

MEX Error ellipse: s-maj=6.3km s-min=4.6km az=-1.0.
MEX VII 20 06 46 11.2–.30 16.20N 98.13W 3–4 3.5
¶603312399

MEX Error ellipse: s-maj=3.2km s-min=5.4km az=-1.0.
MEX VII 20 07 39 54.3–.64 16.99N 100.73W 14–7 3.6
¶603312400

MEX Error ellipse: s-maj=6.2km s-min=2.8km az=-1.0.
MEX VII 20 14 23 21.5–.59 16.29N 98.46W 5 3.8
¶603312403

MEX Error ellipse: s-maj=4.8km s-min=2.8km az=-1.0.
MEX VII 21 11 57 39.5–.51 16.53N 98.50W 5–11 3.5
¶603312409

MEX Error ellipse: s-maj=10.4km s-min=5.7km az=-1.0.
MEX VII 21 16 38 30.5–.48 16.29N 98.19W 10–2 3.8
¶603312413

MEX Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
MEX VII 22 07 04 44.8–.62 16.25N 98.37W 12–8 3.5
¶603312415

MEX Error ellipse: s-maj=10.1km s-min=6.2km az=-1.0.
MEX VII 22 15 11 16.3–.30 16.49N 98.49W 20–25 3.5
¶603312420

MEX Error ellipse: s-maj=2.6km s-min=4.1km az=-1.0.
MEX VII 22 15 31 14.1–.81 16.30N 98.46W 5–21 3.6
¶603312421

MEX Error ellipse: s-maj=20.8km s-min=5.4km az=-1.0.
MEX VII 22 17 38 34.8–.30 16.21N 98.06W 6–3 3.6
¶603312424

MEX Error ellipse: s-maj=3.5km s-min=3.4km az=-1.0.
MEX VII 22 18 19 05.2–.38 16.02N 98.63W 9–78 3.7
¶603312425

MEX Error ellipse: s-maj=62.0km s-min=33.8km az=-1.0.
MEX VII 23 06 33 09.9–.33 16.23N 98.18W 4–2 3.6
¶603312430

MEX Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
MEX VII 23 11 10 02.8–.58 16.43N 98.40W 14–5 3.9
¶603312436

MEX Error ellipse: s-maj=6.1km s-min=3.2km az=-1.0.
MEX VII 24 00 07 29.6–.40 16.28N 98.11W 21–3 3.8
NEIC VII 24 00 07 30.2–.00 16.32N 98.06W 18 4.0 ¶601521004
MEX Error ellipse: s-maj=4.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 24 01 09 57.2–.73 17.86N 101.61W 43–8 3.9
¶603312445

MEX Error ellipse: s-maj=6.5km s-min=2.5km az=-1.0.
ISC VII 24 05 25 27.5–1.1 16.36N–.04 98.28W–.03 12–6 5.2b,4.4s 1166 0-147
IDC VII 24 05 25 25.7–.61 16.37N 98.11W 0 4.8,4.6 ¶601462452
MOS VII 24 05 25 27.8–.83 16.43N 98.01W 21 5.3b,4.6
GCMT VII 24 05 25 28.7–.30 16.57N 98.07W 18–1 5.2W,4.6
NEIC VII 24 05 25 28.7–.00 16.27N 98.31W 5 5.2b,5.0
ISCJB VII 24 05 25 28.4–.54 16.59N–.02 97.98W–.01 18–3 5.1b,4.4s
MEX VII 24 05 25 28.7–.49 16.26N 98.31W 6–2 5.0,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=12.7km az=59.0.
MOS Error ellipse: s-maj=8.9km s-min=4.4km az=92.9.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s54,c75; s80,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.23±.16 $M_{\theta\theta}$-2.78±.11; $M_{\phi\phi}$-0.44±.10; $M_{r\theta}$4.04±.33; $M_{\theta\phi}$0.62±.07; $M_{\phi r}$-4.25±.38; Best double couple: NP1:ϕ_s132.00000°,δ77.00000°,λ100.00000°. NP2:ϕ_s273.00000°,δ16.00000°,λ52.00000°. Principal axes: T 7.0370,Plg57.0000°,Azm55.0000°; N -0.9070,Plg10.0000°,Azm309.0000°; P -6.1280,Plg31.0000°,Azm213.0000° $M_0$6.58300×10^{16}
NEIC Event type fe. Felt [V] at Pinotepa Nacional and [II] at Mexico. Also felt at Acapulco, Acatzingo, Arcelia, Cacahuatepec, Chilapa, Chilpancingo, Cholula, Coacalco, Cuautlancingo, Naucalpan, Nezahualcoyotl, Oaxaca, Tehuacan and Tultitlan. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=16.9.
MEX Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0.
MEX VII 24 05 44 23.1–.55 16.25N 98.27W 5 3.6
¶603312453

MEX Error ellipse: s-maj=6.1km s-min=3.9km az=-1.0.
MEX VII 24 20 04 26.4–.32 16.28N 98.28W 5 3.7
¶603312464

MEX Error ellipse: s-maj=3.7km s-min=1.9km az=-1.0.
MEX VII 25 02 44 01.1–.60 17.33N 101.12W 15 3.7
¶603312471

MEX Error ellipse: s-maj=8.9km s-min=3.2km az=-1.0.
MEX VII 25 04 40 11.6–.36 16.06N 98.20W 6–3 3.8
¶603312473

MEX Error ellipse: s-maj=4.1km s-min=6.1km az=-1.0.
MEX VII 25 11 16 25.9–.87 16.30N 98.09W 5 3.6
¶603312480

MEX Error ellipse: s-maj=13.8km s-min=25.3km az=-1.0.
MEX VII 25 22 35 06.2–.73 16.12N 98.18W 5 3.6
¶603312485

MEX Error ellipse: s-maj=6.9km s-min=10.2km az=-1.0.
MEX VII 26 04 06 56.6–.30 16.27N 98.30W 3–2 3.9
¶603312490

MEX Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0.
MEX VII 26 18 49 21.6–.59 16.27N 98.27W 5 3.5
¶603312502

MEX Error ellipse: s-maj=7.1km s-min=4.3km az=-1.0.
MEX VII 26 23 00 56.8–.61 17.95N 101.91W 25–44 3.7
¶603312504

MEX Error ellipse: s-maj=11.8km s-min=4.0km az=-1.0.
ISC VII 27 02 23 32.1–1.2 16.07N–.07 98.22W–.05 24–7 4.4b,3.7s 309 0-124
IDC VII 27 02 23 27.6–4.6 15.93N 98.12W 0 4.2,3.9 ¶601511857
MEX VII 27 02 23 30.6–.81 15.95N 98.32W 16–5 4.2,3.9
NEIC VII 27 02 23 30.0–.00 15.95N 98.32W 20 4.5,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=83.5km s-min=26.5km az=5.0.
MEX Error ellipse: s-maj=4.2km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt at Pinotepa Nacional. After MEX.
MEX VII 27 05 09 17.8–.71 16.80N 100.12W 5 4.0
¶603312508

MEX Error ellipse: s-maj=5.3km s-min=2.5km az=-1.0.
MEX VII 27 11 00 58.4–.44 16.02N 98.31W 2–5 3.6
¶603312509

MEX Error ellipse: s-maj=6.5km s-min=9.4km az=-1.0.
MEX VII 27 13 41 03.8–.52 16.29N 98.29W 5 3.5
¶603312511

MEX Error ellipse: s-maj=5.9km s-min=3.2km az=-1.0.
MEX VII 27 19 05 40.6–.51 16.45N 98.30W 12–6 3.5
¶603312513

MEX Error ellipse: s-maj=6.5km s-min=4.2km az=-1.0.
MEX VII 28 01 33 26.6–.46 16.33N 98.38W 6–5 3.6
¶603312515

MEX Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0.
MEX VII 28 04 32 09.6–.50 16.37N 98.46W 5 4.0
¶603312516

MEX Error ellipse: s-maj=3.5km s-min=2.3km az=-1.0.
MEX VII 28 09 08 34.1–.45 16.51N 98.58W 5–6 3.7
¶603312518

MEX Error ellipse: s-maj=4.4km s-min=2.4km az=-1.0.
MEX VII 28 13 35 48.7–.50 16.08N 98.27W 5 3.6
¶603312519

MEX Error ellipse: s-maj=6.6km s-min=7.3km az=-1.0.
MEX VII 28 17 17 04.1–.45 16.08N 98.15W 13–3 3.7
¶603312520

MEX Error ellipse: s-maj=5.1km s-min=12.2km az=-1.0.
MEX VII 28 19 40 48.0–.49 16.04N 98.46W 6–4 3.7
¶603312522

MEX Error ellipse: s-maj=8.1km s-min=5.2km az=-1.0.
MEX VII 29 07 55 29.4–.43 16.13N 98.47W 16–8 3.6
¶603312527

MEX Error ellipse: s-maj=6.5km s-min=3.8km az=-1.0.
ISC VII 29 23 10 33.8–1.1 16.28N–.06 98.05W–.05 15–6 4.5b 424 0-124
NEIC VII 29 23 10 30.9–.40 16.06N 97.74W 10 4.4b,4.2 ¶601494711
MEX VII 29 23 10 35.0–.46 16.26N 98.09W 4–3 4.1,4.2
IDC VII 29 23 10 38.1–4.1 16.34N 97.89W 44–31 3.9,3.9

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=173.0. Felt at Puebla. Moment Tensor Solution. s7 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.05 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.95 $M_{\theta\phi}$1.33 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s280.00000°,δ77.00000°,λ-54.00000°. NP2: ϕ_s28.00000°,δ38.00000°,λ-158.00000°. Principal axes: T 2.7200,Plg23.0000°,Azm344.0000° ; N 0.2500,Plg35.0000°,Azm91.0000°; P -2.9700,Plg46.0000°,Azm227.0000° M_o2.90000×10^{15}
MEX Error ellipse: s-maj=3.0km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=47.1km s-min=19.9km az=17.0.
MEX VII 30 02 44 02.5–.42 16.49N 98.47W 15–5 3.9
¶603312538

MEX Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0.
MEX VII 30 05 49 30.8–.53 16.29N 98.31W 6–4 3.9
¶603312542

MEX Error ellipse: s-maj=5.5km s-min=2.8km az=-1.0.
MEX VII 30 06 56 16.5–.65 16.35N 98.26W 8–4 3.5
¶603312543

MEX Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
MEX VII 30 07 06 54.7–.55 16.33N 98.22W 13–3 3.9
¶603312544

MEX Error ellipse: s-maj=6.5km s-min=3.5km az=-1.0.
ISC VII 30 13 04 08.2–2.0 16.0N–.10 98.56W–.07 17 3.3b 13 1-59
MEX VII 30 13 04 03.6–.38 15.59N 98.81W 16–999 3.9 ¶601650770
IDC VII 30 13 04 05.0–6.7 15.95N 98.39W 0 3.8,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=191.3km s-min=105.0km az=78.0.
ISC VII 30 17 00 06.5–.85 16.85N–.05 100.26W–.03 20 3.6b,3.0s 51 0-129
IDC VII 30 17 00 03.4–1.4 16.76N 100.27W 0 3.9,3.7 ¶601650778
ISCJB VII 30 17 00 05.3–.51 16.89N–.04 100.26W–.02 20 3.5b,3.0s
MEX VII 30 17 00 08.0–.66 16.86N 100.26W 13–2 4.7,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=19.2km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=16.7.
MEX Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0.
MEX VII 31 13 17 20.4–.55 16.03N 98.95W 12–14 3.7
¶603312554

MEX Error ellipse: s-maj=9.5km s-min=6.4km az=-1.0.
MEX VIII 01 08 01 16.6–1.0 16.38N 98.31W 1 3.6
¶604033304

MEX Error ellipse: s-maj=9.7km s-min=6.8km az=-1.0.
MEX VIII 01 09 26 07.8–.40 16.24N 98.20W 10–4 3.6
¶604033305

MEX Error ellipse: s-maj=5.2km s-min=5.1km az=-1.0.
MEX VIII 01 10 26 21.2–.48 16.44N 98.52W 2 3.8
¶604033307

MEX Error ellipse: s-maj=6.2km s-min=4.2km az=-1.0.
MEX VIII 01 23 49 16.4–.43 17.23N 101.20W 10–6 4.0
¶604033310

MEX Error ellipse: s-maj=5.6km s-min=2.5km az=-1.0.
MEX VIII 02 11 29 51.0–.39 16.77N 99.73W 14–2 3.5
¶604033313

MEX Error ellipse: s-maj=3.7km s-min=2.1km az=-1.0.
MEX VIII 02 15 22 17.2–.46 16.03N 98.30W 6–3 3.9
¶604033318

MEX Error ellipse: s-maj=3.5km s-min=4.9km az=-1.0.
MEX VIII 02 23 55 31.2–.30 16.56N 98.45W 17 3.8
¶604033325

MEX Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
MEX VIII 03 05 59 45.8–.56 16.33N 99.06W 16–18 3.5
¶604033332

MEX Error ellipse: s-maj=11.7km s-min=14.9km az=-1.0.
MEX VIII 03 19 10 28.7–.38 16.59N 98.44W 2–12 3.7
¶604033336

MEX Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0.
MEX VIII 04 11 22 10.9–.77 16.09N 98.58W 10 3.9
¶604033342

MEX Error ellipse: s-maj=6.6km s-min=5.5km az=-1.0.
MEX VIII 04 22 04 22.0–.98 16.01N 98.25W 10 3.8
¶604033344

MEX Error ellipse: s-maj=9.0km s-min=12.4km az=-1.0.
MEX VIII 04 22 18 38.4–.76 16.07N 98.31W 10 4.0
¶604033345

MEX Error ellipse: s-maj=8.4km s-min=8.5km az=-1.0.
MEX VIII 04 22 54 58.4–.53 16.03N 98.27W 5 3.6
¶604033347

MEX Error ellipse: s-maj=6.3km s-min=9.1km az=-1.0.
MEX VIII 05 02 17 38.0–.46 16.02N 98.26W 10 3.5
¶604033348

MEX Error ellipse: s-maj=9.4km s-min=17.2km az=-1.0.
MEX VIII 06 02 16 19.3–1.0 16.38N 98.39W 5 3.8
¶604033350

MEX Error ellipse: s-maj=12.4km s-min=7.1km az=-1.0.
MEX VIII 07 01 48 52.8–.67 16.59N 98.37W 4–10 3.6
¶604033359

MEX Error ellipse: s-maj=4.6km s-min=3.7km az=-1.0.
MEX VIII 07 19 29 28.7–.57 16.24N 98.21W 4–4 3.9
¶604033361

MEX Error ellipse: s-maj=5.0km s-min=3.3km az=-1.0.
MEX VIII 08 16 44 59.3–.29 16.29N 98.29W 13–11 3.6
¶604033370

MEX Error ellipse: s-maj=11.6km s-min=13.0km az=-1.0.
MEX VIII 08 17 58 34.9–.85 16.15N 98.31W 3–8 3.9
¶604033371

MEX Error ellipse: s-maj=6.4km s-min=7.6km az=-1.0.
MEX VIII 08 18 06 10.0–.38 16.07N 98.19W 5 3.7
¶604033372

MEX Error ellipse: s-maj=6.7km s-min=18.0km az=-1.0.
MEX VIII 08 19 43 07.2–.31 16.50N 98.49W 16–12 3.7
¶604033373

MEX Error ellipse: s-maj=9.2km s-min=12.7km az=-1.0.
MEX VIII 10 02 16 27.3–.73 16.33N 98.47W 3 3.9
¶604033379

MEX Error ellipse: s-maj=6.7km s-min=2.6km az=-1.0.
MEX VIII 10 09 38 14.6–.38 16.89N 100.28W 17–13 3.7
¶604033382

MEX Error ellipse: s-maj=5.2km s-min=4.0km az=-1.0.
MEX VIII 10 12 26 28.8–.73 16.51N 98.44W 16–9 4.1
NEIC VIII 10 12 26 28.8–.00 16.51N 98.44W 16 4.1 ¶601734865
MEX Error ellipse: s-maj=6.5km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 11 09 04 49.4–.42 17.76N 101.42W 29–4 3.9
¶604033388

MEX Error ellipse: s-maj=3.7km s-min=2.2km az=-1.0.
MEX VIII 11 10 19 21.2–.46 16.27N 98.09W 9–2 3.5
¶604033390

MEX Error ellipse: s-maj=5.0km s-min=4.5km az=-1.0.
MEX VIII 11 10 27 18.5–.44 16.15N 98.29W 3–3 3.8
¶604033391

MEX Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0.
MEX VIII 11 11 45 31.3–.59 16.37N 98.04W 15–7 3.6
¶604033393

MEX Error ellipse: s-maj=13.1km s-min=10.0km az=-1.0.
MEX VIII 12 00 42 51.1–.55 16.89N 99.81W 23–6 3.5
¶604033396

MEX Error ellipse: s-maj=6.0km s-min=3.1km az=-1.0.
MEX VIII 12 08 12 06.5–.52 16.05N 98.53W 16–560 3.8
¶604033399

MEX Error ellipse: s-maj=6.3km s-min=3.5km az=-1.0.
MEX VIII 12 08 14 18.6–.48 16.35N 98.20W 14–2 3.8
¶604033400

MEX Error ellipse: s-maj=6.6km s-min=3.2km az=-1.0.
MEX VIII 12 10 30 20.0–.41 16.36N 98.25W 10–3 3.9
¶604033401

MEX Error ellipse: s-maj=4.3km s-min=2.1km az=-1.0.
MEX VIII 12 11 46 05.9–.60 16.85N 100.11W 2–5 4.0
NEIC VIII 12 11 46 05.9–.00 16.85N 100.11W 2 4.0 ¶601734891
MEX Error ellipse: s-maj=4.5km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 13 16 47 36.5–.55 16.35N 98.30W 1 3.6
¶604033410

MEX Error ellipse: s-maj=7.0km s-min=3.6km az=-1.0.
MEX VIII 15 17 23 03.9–.71 16.45N 98.16W 11–6 3.8
¶604033422

MEX Error ellipse: s-maj=5.9km s-min=3.1km az=-1.0.
MEX VIII 15 17 31 31.6–.28 16.32N 98.31W 1 3.5
¶604033423

MEX Error ellipse: s-maj=6.6km s-min=1.8km az=-1.0.
MEX VIII 15 22 47 00.3–.43 16.29N 98.27W 10–7 3.8
¶604033426

MEX Error ellipse: s-maj=8.8km s-min=8.4km az=-1.0.
MEX VIII 16 14 55 49.2–.37 16.28N 98.28W 1 3.6
¶604033427

MEX Error ellipse: s-maj=8.2km s-min=4.6km az=-1.0.
MEX VIII 17 00 16 44.5–.32 16.31N 98.30W 1 3.8
¶604033430

MEX Error ellipse: s-maj=4.9km s-min=2.0km az=-1.0.
MEX VIII 18 11 03 11.4–.34 16.25N 98.27W 8–9 3.6
¶604033441

MEX Error ellipse: s-maj=9.9km s-min=10.5km az=-1.0.
MEX VIII 18 14 15 33.6–.32 16.35N 98.28W 16–19 3.5
¶604033442

MEX Error ellipse: s-maj=23.4km s-min=20.8km az=-1.0.
MEX VIII 18 16 49 59.4–.61 16.22N 98.10W 5 3.8
¶604033444

MEX Error ellipse: s-maj=7.6km s-min=20.7km az=-1.0.
MEX VIII 18 18 18 04.0–.31 16.44N 98.51W 16–10 3.5
¶604033446

MEX Error ellipse: s-maj=6.3km s-min=7.9km az=-1.0.
MEX VIII 19 09 55 45.9–.59 16.08N 98.29W 3–7 3.9
¶604033454

MEX Error ellipse: s-maj=6.1km s-min=5.2km az=-1.0.
MEX VIII 19 12 31 23.5–.33 16.10N 98.55W 10 3.5
¶604033455

MEX Error ellipse: s-maj=6.5km s-min=3.4km az=-1.0.
MEX VIII 20 15 33 23.3–.71 16.32N 98.22W 12–6 3.9
¶604033464

MEX Error ellipse: s-maj=9.3km s-min=8.3km az=-1.0.
MEX VIII 20 16 49 02.0–.37 16.39N 98.34W 23–7 3.9
¶604033466

MEX Error ellipse: s-maj=5.1km s-min=5.0km az=-1.0.
MEX VIII 21 05 19 09.8–.32 16.45N 98.60W 16–999 3.9
¶604033468

MEX Error ellipse: s-maj=5.4km s-min=7.4km az=-1.0.
MEX VIII 21 10 32 22.3–.33 16.26N 98.22W 14–5 3.6
¶604033470

MEX Error ellipse: s-maj=6.1km s-min=10.5km az=-1.0.
MEX VIII 22 15 05 42.0–.34 16.24N 98.23W 13–5 3.5
¶604033481

MEX Error ellipse: s-maj=7.6km s-min=10.7km az=-1.0.
MEX VIII 23 00 35 38.8–.59 16.02N 98.30W 5 3.6
¶604033486

MEX Error ellipse: s-maj=12.4km s-min=14.3km az=-1.0.
MEX VIII 23 01 48 57.2–.88 16.28N 98.69W 3 3.8
¶604033487

MEX Error ellipse: s-maj=18.4km s-min=7.4km az=-1.0.
MEX VIII 23 07 25 33.0–.51 16.99N 100.11W 3 3.8
¶604033490

MEX Error ellipse: s-maj=5.4km s-min=2.2km az=-1.0.
MEX VIII 23 07 59 56.1–.34 16.78N 100.13W 2 3.8
¶604033491

MEX Error ellipse: s-maj=7.1km s-min=2.8km az=-1.0.
MEX VIII 23 10 38 36.7–.37 16.20N 98.46W 18 3.7
¶604033493

MEX Error ellipse: s-maj=9.3km s-min=4.1km az=-1.0.
MEX VIII 24 04 01 21.6–.41 16.27N 98.24W 12–11 3.5
¶604033507

MEX Error ellipse: s-maj=11.7km s-min=14.2km az=-1.0.
MEX VIII 24 16 20 47.8–.86 16.35N 98.40W 3 4.1
NEIC VIII 24 16 20 47.8–.00 16.35N 98.40W 3 4.1 ¶601778051
MEX Error ellipse: s-maj=9.4km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 24 17 42 02.8–.46 17.99N 101.49W 20–6 3.7
¶604033515

MEX Error ellipse: s-maj=4.4km s-min=2.5km az=-1.0.
MEX VIII 25 18 58 46.0–.37 16.52N 98.46W 18–89 3.5
¶604033533

MEX Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0.
MEX VIII 26 16 06 37.2–.43 16.27N 98.06W 9–3 3.6
¶604033542

MEX Error ellipse: s-maj=4.5km s-min=4.1km az=-1.0.
MEX VIII 27 02 28 56.9–.34 16.48N 98.56W 16 3.8
¶604033546

MEX Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
MEX VIII 27 04 01 08.5–.53 16.34N 98.34W 5–4 3.7
¶604033547

MEX Error ellipse: s-maj=5.8km s-min=4.7km az=-1.0.
MEX VIII 27 13 31 56.8–.77 16.53N 98.44W 21–64 3.5
¶604033548

MEX Error ellipse: s-maj=7.0km s-min=6.3km az=-1.0.
MEX VIII 27 16 59 16.3–.59 16.80N 100.20W 5 3.5
¶604033551

MEX Error ellipse: s-maj=6.3km s-min=4.3km az=-1.0.
MEX VIII 27 20 59 45.9–.58 16.93N 100.31W 14–2 3.5
¶604033552

MEX Error ellipse: s-maj=6.1km s-min=7.3km az=-1.0.
MEX VIII 27 22 39 04.0–.59 16.02N 98.30W 1–6 3.7
¶604033555

MEX Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0.
MEX VIII 28 17 33 03.4–.75 16.30N 98.50W 10 3.7
¶604033562

MEX Error ellipse: s-maj=8.1km s-min=5.7km az=-1.0.
MEX VIII 28 21 59 09.5–.36 16.51N 98.51W 16–6 3.6
¶604033567

MEX Error ellipse: s-maj=2.9km s-min=3.7km az=-1.0.
MEX VIII 29 22 50 21.6–.35 16.42N 98.47W 5–5 3.8
¶604033572

MEX Error ellipse: s-maj=5.2km s-min=2.3km az=-1.0.
MEX VIII 30 09 53 49.8–.58 16.16N 98.35W 5–6 3.6
¶604033575

MEX Error ellipse: s-maj=6.3km s-min=5.7km az=-1.0.
ISC VIII 30 15 19 13.2–.86 16.46N–.07 98.25W–.05 15–6 4.5b 310 0-61
MEX VIII 30 15 19 13.1–.43 16.25N 98.26W 8–4 4.2 ¶601653050
NEIC VIII 30 15 19 13.1–.00 16.25N 98.26W 8 4.5b,4.2
IDC VIII 30 15 19 17.0–8.9 16.63N 97.98W 34–61 4.2,4.0
ISC Event type fe.
MEX Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
NEIC Event type fe. Felt [II] at Mexico. Also felt at Pinotepa Nacional. After MEX.
IDC Error ellipse: s-maj=86.6km s-min=26.4km az=31.0.
MEX VIII 30 15 24 23.3–.94 16.47N 98.32W 10–999 3.7
¶604033578

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

MEX VIII 30 16 39 14.8–.64 16.03N 98.30W 6–4 3.7 ¶604033581

MEX Error ellipse: s-maj=6.2km s-min=4.7km az=-1.0.
MEX VIII 30 17 49 32.6–.74 16.37N 98.40W 20–23 3.9 ¶604033583

MEX Error ellipse: s-maj=10.4km s-min=18.7km az=-1.0.
MEX VIII 30 21 53 32.7–.38 16.32N 98.31W 4–24 3.5 ¶604033584

MEX Error ellipse: s-maj=22.4km s-min=7.0km az=-1.0.
MEX VIII 31 15 45 39.6–.71 16.21N 98.35W 3 3.5 ¶604033588

MEX Error ellipse: s-maj=10.7km s-min=5.8km az=-1.0.
MEX VIII 31 18 36 28.7–.54 16.22N 98.17W 15–2 3.7 ¶604033589

MEX Error ellipse: s-maj=5.7km s-min=7.9km az=-1.0.
MEX VIII 31 20 45 55.2–.66 16.27N 98.10W 3 3.7 ¶604033590

MEX Error ellipse: s-maj=8.5km s-min=22.8km az=-1.0.
MEX IX 01 08 37 26.7–.31 16.22N 98.02W 6–3 3.6 ¶603514286

MEX Error ellipse: s-maj=4.4km s-min=4.3km az=-1.0.
MEX IX 01 09 42 18.6–.26 16.29N 98.28W 5 3.6 ¶603514287

MEX Error ellipse: s-maj=3.1km s-min=1.4km az=-1.0.
MEX IX 01 10 50 52.0–.76 16.29N 98.47W 4–17 3.6 ¶603514289

MEX Error ellipse: s-maj=16.6km s-min=6.0km az=-1.0.
MEX IX 02 04 18 29.6–.32 16.13N 98.35W 3–4 3.7 ¶603514297

MEX Error ellipse: s-maj=4.7km s-min=3.8km az=-1.0.
MEX IX 02 10 49 04.7–.40 16.44N 98.51W 15–4 3.8 ¶603514299

MEX Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
MEX IX 03 14 45 55.9–.32 16.46N 98.53W 16–4 3.8 ¶603514311

MEX Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0.
MEX IX 03 18 23 36.6–.47 16.42N 98.36W 3–17 3.5 ¶603514312

MEX Error ellipse: s-maj=12.1km s-min=4.3km az=-1.0.
MEX IX 03 18 38 01.5–.37 16.09N 98.58W 9–9 3.6 ¶603514313

MEX Error ellipse: s-maj=7.7km s-min=3.4km az=-1.0.
MEX IX 03 18 58 08.1–.26 16.24N 98.01W 9–2 3.6 ¶603514314

MEX Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
MEX IX 04 07 09 23.1–.42 16.41N 98.41W 5–5 3.6 ¶603514328

MEX Error ellipse: s-maj=5.3km s-min=2.5km az=-1.0.
MEX IX 04 17 52 33.0–.45 17.34N 101.36W 11–3 3.5 ¶603514330

MEX Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0.
MEX IX 05 05 10 45.6–.46 16.25N 98.29W 12–2 3.5 ¶603514337

MEX Error ellipse: s-maj=4.6km s-min=3.3km az=-1.0.
MEX IX 05 05 20 09.9–.50 16.20N 99.57W 16–9 3.8 ¶603514338

MEX Error ellipse: s-maj=7.5km s-min=3.8km az=-1.0.
MEX IX 05 10 23 41.5–.46 16.49N 98.53W 13–5 3.6 ¶603514340

MEX Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0.
MEX IX 05 14 25 24.6–.31 16.29N 98.27W 4–3 3.7 ¶603514342

MEX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
MEX IX 05 19 55 50.5–.59 17.40N 101.36W 6–4 3.7 ¶603514343

MEX Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0.
MEX IX 05 22 57 11.6–.52 16.24N 98.25W 5 3.6 ¶603514345

MEX Error ellipse: s-maj=5.8km s-min=3.4km az=-1.0.
MEX IX 06 00 38 41.1–.43 16.27N 98.28W 14–2 3.7 ¶603514354

MEX Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0.
MEX IX 06 09 44 49.0–.34 16.86N 100.28W 2–3 3.7 ¶603514358

MEX Error ellipse: s-maj=3.0km s-min=4.0km az=-1.0.
MEX IX 06 10 33 30.5–.39 16.22N 98.10W 2–4 3.5 ¶603514360

MEX Error ellipse: s-maj=3.7km s-min=5.2km az=-1.0.
MEX IX 06 18 19 30.7–.53 16.22N 98.13W 3–4 3.6 ¶603514361

MEX Error ellipse: s-maj=5.6km s-min=12.5km az=-1.0.
MEX IX 06 18 52 38.9–.39 16.43N 98.32W 1–7 3.6 ¶603514362

MEX Error ellipse: s-maj=8.0km s-min=5.2km az=-1.0.
MEX IX 07 00 38 16.8–.32 16.68N 98.43W 1–6 3.7 ¶603514371

MEX Error ellipse: s-maj=3.6km s-min=2.8km az=-1.0.
MEX IX 07 06 40 02.7–.32 16.51N 98.56W 13–5 3.6 ¶603514373

MEX Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.
MEX IX 08 04 18 58.5–.42 16.30N 98.29W 5 3.6 ¶603514388

MEX Error ellipse: s-maj=3.9km s-min=2.2km az=-1.0.
MEX IX 08 09 39 19.2–.59 16.31N 98.28W 5 3.9 ¶603514389

MEX Error ellipse: s-maj=5.2km s-min=3.0km az=-1.0.
MEX IX 08 17 38 09.6–.63 16.34N 98.40W 5 4.0
NEIC IX 08 17 38 09.5–.00 16.33N 98.40W 5 4.0 **¶601839186**
MEX Error ellipse: s-maj=3.8km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 09 05 14 52.5–.90 16.05N–.05 98.21W–.04 17–5 4.7b,3.8s 567 0-131
ISCJB IX 09 05 14 49.8–.32 16.11N–.03 98.14W–.02 10 4.6b,3.9s **¶601696959**
IDC IX 09 05 14 49.2–1.2 16.11N 98.18W 0 4.2,4.0
MEX IX 09 05 14 51.1–.75 15.86N 98.20W 5 4.2,4.0
NEIC IX 09 05 14 52.2–.28 16.19N 98.18W 10 4.7b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.5km az=14.7.
IDC Error ellipse: s-maj=30.8km s-min=16.7km az=31.0.
MEX Error ellipse: s-maj=4.8km s-min=5.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=197.0. Felt at Pinotepa Nacional.
MEX IX 09 08 09 39.9–.37 16.65N 98.30W 27–6 3.8 ¶603514396

MEX Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
MEX IX 09 14 59 23.6–.42 16.24N 98.10W 8–2 3.9 ¶603514397

MEX Error ellipse: s-maj=2.7km s-min=1.9km az=-1.0.
MEX IX 10 12 01 59.4–.59 16.49N 98.54W 28–8 4.0
NEIC IX 10 12 01 59.4–.00 16.49N 98.54W 28 4.0 **¶601846424**
MEX Error ellipse: s-maj=4.6km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 11 00 21 36.8–.64 16.32N 98.46W 5 3.9 ¶603514412

MEX Error ellipse: s-maj=4.7km s-min=2.5km az=-1.0.
MEX IX 11 01 43 53.3–.50 16.81N 100.07W 5 3.5 ¶603514413

MEX Error ellipse: s-maj=4.3km s-min=1.8km az=-1.0.
MEX IX 11 14 08 31.6–.79 16.97N 100.04W 8–11 3.6 ¶603514415

MEX Error ellipse: s-maj=8.4km s-min=4.4km az=-1.0.
MEX IX 12 01 13 11.4–.61 16.31N 98.11W 6–3 3.6 ¶603514422

MEX Error ellipse: s-maj=4.7km s-min=4.9km az=-1.0.
MEX IX 12 04 56 49.6–.54 16.65N 99.49W 13–5 4.0
NEIC IX 12 04 56 49.6–.00 16.65N 99.49W 13 4.0 **¶601846433**
MEX Error ellipse: s-maj=4.2km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 12 08 00 13.3–.67 16.39N 98.40W 15–6 3.5 ¶603514425

MEX Error ellipse: s-maj=9.0km s-min=4.9km az=-1.0.
MEX IX 13 04 52 06.7–.50 16.51N 98.46W 9–4 3.9 ¶603514434

MEX Error ellipse: s-maj=3.8km s-min=2.1km az=-1.0.
MEX IX 13 04 55 52.6–.46 16.15N 98.50W 5 3.7 ¶603514435

MEX Error ellipse: s-maj=4.9km s-min=2.6km az=-1.0.
MEX IX 13 13 33 59.7–.71 16.47N 98.42W 25–12 4.0
NEIC IX 13 13 33 59.7–.00 16.47N 98.42W 25 4.0 **¶601842071**
MEX Error ellipse: s-maj=4.3km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 13 15 27 15.7–.44 16.22N 98.48W 5–3 4.0
NEIC IX 13 15 27 15.7–.00 16.22N 98.48W 5 4.0 **¶601839202**
MEX Error ellipse: s-maj=3.9km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 14 20 52 11.1–.33 16.34N 98.27W 6–2 3.6 ¶603514445

MEX Error ellipse: s-maj=3.9km s-min=1.6km az=-1.0.
MEX IX 15 01 07 17.9–.41 16.19N 98.68W 8–6 3.7 ¶603514458

MEX Error ellipse: s-maj=5.3km s-min=3.0km az=-1.0.
MEX IX 15 10 10 31.8–.41 16.26N 98.28W 6–2 3.8 ¶603514461

MEX Error ellipse: s-maj=3.2km s-min=1.9km az=-1.0.
MEX IX 15 21 01 25.9–.54 16.27N 98.18W 17–7 3.5 ¶603514470

MEX Error ellipse: s-maj=4.1km s-min=3.8km az=-1.0.
MEX IX 16 06 02 46.1–.66 16.30N 98.18W 12–2 3.8 ¶603514482

MEX Error ellipse: s-maj=4.1km s-min=2.8km az=-1.0.
MEX IX 16 07 01 03.2–.42 16.27N 98.18W 12–1 3.5 ¶603514483

MEX Error ellipse: s-maj=3.8km s-min=4.0km az=-1.0.
MEX IX 16 22 23 56.7–.41 16.24N 98.22W 13–2 3.6 ¶603514487

MEX Error ellipse: s-maj=4.2km s-min=3.3km az=-1.0.
MEX IX 16 22 55 50.8–.65 16.37N 98.42W 2–7 3.8 ¶603514488

MEX Error ellipse: s-maj=7.3km s-min=3.5km az=-1.0.
MEX IX 17 15 10 13.7–.31 16.27N 98.22W 14–1 3.6 ¶603514497

MEX Error ellipse: s-maj=3.2km s-min=2.2km az=-1.0.
MEX IX 18 23 38 02.4–.64 16.57N 98.07W 32–5 3.8 ¶603514510

MEX Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
MEX IX 18 23 42 48.9–.37 17.09N 101.07W 15 3.7 ¶603514511

MEX Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
MEX IX 19 00 41 23.9–.47 16.28N 98.25W 14–1 3.6 ¶603514521

MEX Error ellipse: s-maj=4.8km s-min=3.5km az=-1.0.
MEX IX 19 03 18 37.6–.69 17.60N 101.27W 47–10 3.5 ¶603514522

MEX Error ellipse: s-maj=4.5km s-min=5.7km az=-1.0.
MEX IX 19 23 14 41.0–.60 16.10N 98.37W 5 3.5 ¶603514527

MEX Error ellipse: s-maj=4.8km s-min=4.0km az=-1.0.
MEX IX 20 09 29 53.0–.73 16.20N 98.28W 5 3.6 ¶603514535

MEX Error ellipse: s-maj=5.6km s-min=4.3km az=-1.0.
MEX IX 20 09 37 37.7–.45 16.79N 100.48W 5 3.7 ¶603514536

MEX Error ellipse: s-maj=4.6km s-min=3.5km az=-1.0.
MEX IX 20 14 20 04.3–.85 16.20N 98.19W 5 3.6 ¶603514540

MEX Error ellipse: s-maj=4.2km s-min=3.8km az=-1.0.
MEX IX 20 20 21 33.0–.44 16.49N 98.52W 14–6 3.7 ¶603514541

MEX Error ellipse: s-maj=3.5km s-min=4.2km az=-1.0.
MEX IX 21 01 00 49.4–.69 16.27N 98.19W 18–8 3.6 ¶603514552

MEX Error ellipse: s-maj=5.8km s-min=4.8km az=-1.0.
MEX IX 21 02 44 25.7–.50 16.28N 98.22W 13–1 3.8 ¶603514553

MEX Error ellipse: s-maj=3.2km s-min=2.1km az=-1.0.
MEX IX 21 05 36 51.0–.49 16.24N 98.07W 6–3 3.8 ¶603514554

MEX Error ellipse: s-maj=4.3km s-min=4.2km az=-1.0.
MEX IX 21 12 05 49.4–.65 16.49N 100.46W 15–16 3.6 ¶603514558

MEX Error ellipse: s-maj=13.4km s-min=4.7km az=-1.0.
MEX IX 21 23 56 31.1–.62 16.52N 98.46W 26–13 3.7 ¶603514562

MEX Error ellipse: s-maj=3.7km s-min=2.9km az=-1.0.
MEX IX 22 11 50 33.7–.54 16.02N 98.72W 16–999 3.8 ¶603514574

MEX Error ellipse: s-maj=6.0km s-min=6.0km az=-1.0.
ISC IX 22 12 29 58.2–.39 16.37N–.03 98.20W–.03 20–1 5.3b,5.1s 1297 0-150
IDC IX 22 12 29 54.7–.48 16.41N 98.19W 0 5.0,4.9 **¶601736795**
MOS IX 22 12 29 56.8–.99 16.49N 97.99W 17 5.3b,5.0s
MEX IX 22 12 29 57.8–.49 16.26N 98.28W 5–2 5.4,5.0s
NEIC IX 22 12 29 58.0–.00 16.26N 98.28W 6 5.4,5.4b
ISCJB IX 22 12 30 00.1–.16 16.69N–.02 97.92W–.01 29 5.2b,5.1s
BJI IX 22 12 30 00.9 16.60N 98.00W 29 5.6s,5.5b
GCMT IX 22 12 30 01.0–.10 16.55N–.01 98.10W–.01 20–0 5.5W,5.5b
UCR IX 22 12 30 41.2–3.2 17.15N 94.73W 179–46 5.4b,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=46.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=99.0.
MEX Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt [II] at Mexico and Oaxaca. Also felt at Acatzingo, Atlixco, Chilpancingo, Ixtaczoquitlan, Jicayan, Pinotepa Nacional, Putla and Tlalnepantla. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=27.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c190; s123,c240;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.03 $M_{\theta\theta}$-1.39±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$1.33±.05; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$-0.96±.05; Best double couple: NP1:ϕ_s119.00000°,δ70.00000°,λ103.00000°. NP2:ϕ_s264.00000°,δ24.00000°,λ58.00000°. Principal axes: T 2.2250,Plg63.0000° ,Azm49.0000°; N -0.1190,Plg12.0000°,Azm294.0000°; P -2.1030,Plg24.0000° ,Azm199.0000° M_o2.16400×10^{17}
UCR Error ellipse: s-maj=20.5km s-min=144.2km az=-1.0.
MEX IX 22 12 47 43.1–.28 16.22N 98.23W 6–2 3.6 ¶603514575

MEX Error ellipse: s-maj=3.0km s-min=3.0km az=-1.0.
MEX IX 22 13 43 19.8–.31 16.28N 98.25W 12–2 3.5 ¶603514576

MEX Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
MEX IX 22 20 39 31.3–.74 16.53N 100.62W 10 3.9 ¶603514583

MEX Error ellipse: s-maj=6.5km s-min=7.9km az=-1.0.
MEX IX 23 07 06 10.1–1.3 16.43N 98.17W 3–17 3.8 ¶603514594

MEX Error ellipse: s-maj=10.1km s-min=7.1km az=-1.0.
MEX IX 23 14 53 46.2–.89 16.45N 98.36W 10–12 3.8

¶603514601

MEX Error ellipse: s-maj=9.1km s-min=5.3km az=-1.0.
MEX IX 24 09 01 25.7–.34 17.33N 101.09W 16–4 3.9

¶603514609

MEX Error ellipse: s-maj=2.9km s-min=1.5km az=-1.0.
MEX IX 24 13 38 31.9–.51 17.44N 101.42W 21–14 3.5

¶603514611

MEX Error ellipse: s-maj=4.8km s-min=6.8km az=-1.0.
MEX IX 24 21 33 24.6–.79 16.43N 98.50W 23–41 3.7

¶603514613

MEX Error ellipse: s-maj=6.8km s-min=8.3km az=-1.0.
MEX IX 24 22 14 28.2–.46 16.59N 98.43W 9–11 3.6

¶603514614

MEX Error ellipse: s-maj=7.9km s-min=3.6km az=-1.0.
MEX IX 25 04 31 53.8–.57 16.15N 98.28W 1–5 3.7

¶603514619

MEX Error ellipse: s-maj=5.9km s-min=5.5km az=-1.0.
MEX IX 25 08 42 52.4–.37 16.25N 98.26W 7–2 3.9

¶603514620

MEX Error ellipse: s-maj=2.5km s-min=1.6km az=-1.0.
MEX IX 25 09 04 48.7–.53 16.30N 98.19W 14–2 3.7

¶603514622

MEX Error ellipse: s-maj=4.9km s-min=4.4km az=-1.0.
MEX IX 25 15 09 45.0–.52 16.26N 98.06W 20–20 3.5

¶603514626

MEX Error ellipse: s-maj=8.1km s-min=20.8km az=-1.0.
MEX IX 25 19 52 07.0–.54 16.41N 98.19W 25–5 3.6

¶603514629

MEX Error ellipse: s-maj=5.0km s-min=5.4km az=-1.0.
MEX IX 25 20 17 31.0–.56 16.27N 98.35W 15 3.5

¶603514630

MEX Error ellipse: s-maj=5.0km s-min=4.0km az=-1.0.
MEX IX 25 22 01 59.0–.82 16.36N 98.15W 14–2 4.0
NEIC IX 25 22 01 59.1–.00 16.37N 98.14W 13 4.0 ¶601810547
MEX Error ellipse: s-maj=4.3km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 22 28 32.7–.52 16.24N 98.44W 4–5 3.9

¶603514631

MEX Error ellipse: s-maj=6.8km s-min=3.3km az=-1.0.
MEX IX 26 04 40 00.6–.49 16.54N 98.44W 16–7 3.6

¶603514643

MEX Error ellipse: s-maj=3.6km s-min=5.5km az=-1.0.
MEX IX 26 04 52 14.5–.53 16.59N 98.94W 17–457 3.8

¶603514645

MEX Error ellipse: s-maj=3.8km s-min=6.2km az=-1.0.
MEX IX 26 12 26 04.0–.47 16.11N 98.35W 5–4 3.7

¶603514653

MEX Error ellipse: s-maj=6.5km s-min=6.0km az=-1.0.
MEX IX 26 13 30 11.0–.43 16.04N 98.43W 2–3 3.8

¶603514655

MEX Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0.
MEX IX 26 14 19 59.5–.59 16.28N 98.10W 14–6 3.5

¶603514656

MEX Error ellipse: s-maj=6.1km s-min=15.8km az=-1.0.
MEX IX 26 21 43 50.9–1.0 16.31N 98.08W 10–25 3.7

¶603514663

MEX Error ellipse: s-maj=15.8km s-min=8.3km az=-1.0.
MEX IX 26 22 42 16.9–.67 16.50N 98.32W 10–6 3.7

¶603514666

MEX Error ellipse: s-maj=5.5km s-min=5.0km az=-1.0.
MEX IX 27 01 48 44.2–.58 16.27N 98.16W 12–2 3.8

¶603514676

MEX Error ellipse: s-maj=5.0km s-min=5.6km az=-1.0.
MEX IX 27 02 34 50.6–.56 16.34N 98.31W 7–11 3.5

¶603514677

MEX Error ellipse: s-maj=13.7km s-min=5.7km az=-1.0.
MEX IX 27 04 05 46.8–.58 16.38N 98.45W 8–11 3.7

¶603514678

MEX Error ellipse: s-maj=12.5km s-min=3.7km az=-1.0.
MEX IX 27 05 35 40.3–.55 16.37N 98.23W 13–3 3.7

¶603514680

MEX Error ellipse: s-maj=7.6km s-min=4.1km az=-1.0.
MEX IX 27 11 56 59.2–.79 16.15N 98.43W 4–9 3.7

¶603514685

MEX Error ellipse: s-maj=12.4km s-min=8.0km az=-1.0.
MEX IX 27 15 10 42.5–.30 16.09N 98.66W 15 3.7

¶603514689

MEX Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0.
MEX IX 27 17 45 36.2–.52 16.38N 98.28W 9–14 3.7

¶603514692

MEX Error ellipse: s-maj=17.3km s-min=4.7km az=-1.0.
MEX IX 27 21 06 55.0–.33 16.84N 100.20W 2–4 3.8

¶603514695

MEX Error ellipse: s-maj=3.3km s-min=4.3km az=-1.0.
MEX IX 28 04 56 27.1–.74 16.22N 98.26W 6–5 3.8

¶603514707

MEX Error ellipse: s-maj=7.4km s-min=6.0km az=-1.0.
ISC IX 29 07 11 11.6–.84 16.10N–.04 98.62W–.03 13–4 5.3b,4.9s 1263 1-155
IDC IX 29 07 11 09.1–.64 16.09N 98.50W 0 4.7,4.7 ¶601767112
MEX IX 29 07 11 10.6–.45 15.88N 98.67W 17–13 5.5,4.7
NEIC IX 29 07 11 12.9–.16 16.30N 98.39W 12 5.7,5.5W
ISCJB IX 29 07 11 12.5–.79 16.37N–.02 98.32W–.02 19–5 5.2b,4.9s
MOS IX 29 07 11 13.3–1.0 16.45N 98.38W 20 5.5b,4.9s
GCMT IX 29 07 11 13.9–.20 16.17N–.01 98.52W–.01 12 5.3W,4.9s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Mexico. Also felt at Acatzingo, Chilpancingo, Coacalco, Cuajinicuilapa, Ecatepec, Huixquilucan, Naucalpan, Pinotepa Nacional and Puebla. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.56 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s109.00000°,δ74.00000°,λ86.00000°. NP2:ϕ_s304.00000° ,δ17.00000°,λ104.00000°. Principal axes: T 1.9300,Plg61.0000°,Azm13.0000° ; N 0.0400,Plg4.0000°,Azm110.0000°; P -1.9700,Plg28.0000°,Azm203.0000° M_o2.00000×10^{17}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c149; s119,c237;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.01 $M_{\theta\theta}$-0.87±.01; $M_{\phi\phi}$-0.08±.01; $M_{r\theta}$0.62±.04; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.58±.04; Best double couple: NP1:ϕ_s123.00000°,δ66.00000°,λ103.00000°. NP2:ϕ_s273.00000°,δ27.00000°,λ63.00000°. Principal axes: T 1.3190,Plg66.0000° ,Azm57.0000°; N -0.0790,Plg12.0000°,Azm298.0000°; P -1.2390,Plg20.0000° ,Azm204.0000° M_o1.27900×10^{17}
ISC IX 29 07 46 58.5–2.1 16.20N–.10 98.53W–.06 15–9 4.1b 32 0-26
MEX IX 29 07 46 56.2–.69 15.93N 98.62W 15–49 3.8 ¶601874822
NEIC IX 29 07 46 59.2–.00 16.22N 98.53W 6 4.1b,3.9
ISC Event type se.
MEX Error ellipse: s-maj=36.4km s-min=21.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 29 11 28 40.5–.44 16.01N 98.58W 6–45 3.6

¶603514728

MEX Error ellipse: s-maj=34.2km s-min=17.9km az=-1.0.
ISC IX 29 11 53 57.4–1.6 16.04N–.06 98.56W–.04 18–8 4.2b 325 1-59
IDC IX 29 11 53 54.6–1.8 15.84N 98.62W 0 4.1,3.9b ¶601768536
MEX IX 29 11 53 58.9–.49 16.10N 98.60W 10–7 4.4,3.9b
NEIC IX 29 11 53 59.0–.00 16.10N 98.59W 10 4.5,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=15.2km az=20.0.
MEX Error ellipse: s-maj=5.0km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 29 19 56 35.7–.45 16.22N 98.20W 12–2 3.6

¶603514730

MEX Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
MEX IX 30 01 43 11.2–.75 16.25N 98.12W 13–2 3.5

¶603514739

MEX Error ellipse: s-maj=6.1km s-min=6.8km az=-1.0.
ISC IX 30 11 55 27.1–2.5 16.12N–.10 98.24W–.04 13–12 4.0b 35 0-23
ISCJB IX 30 11 55 24.1–1.6 16.01N–.08 98.25W–.04 12–6 4.0b ¶601833059
MEX IX 30 11 55 27.4–.48 16.02N 98.26W 4–3 4.1
NEIC IX 30 11 55 28.0–.00 16.08N 98.26W 4 4.1,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=7.0km az=9.5.
MEX Error ellipse: s-maj=3.6km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 30 18 39 02.8–.39 16.26N 98.04W 5 3.7

¶603514749

MEX Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
MEX X 01 00 41 02.9–.44 16.04N 98.37W 3 3.8

¶603775636

MEX Error ellipse: s-maj=5.6km s-min=5.6km az=-1.0.
MEX X 01 03 17 58.4–.96 16.13N 98.53W 15 3.8

¶603775637

MEX Error ellipse: s-maj=17.0km s-min=8.8km az=-1.0.
MEX X 01 04 35 40.8–.50 16.27N 98.05W 3 3.6

¶603775638

MEX Error ellipse: s-maj=5.5km s-min=3.8km az=-1.0.
ISC X 02 08 54 06.7–1.2 16.19N–.09 98.75W–.06 10 4.1b 35 1-58
NEIC X 02 08 54 03.3–.00 15.84N 98.85W 12 4.1b,3.9 ¶601890437
MEX X 02 08 54 03.3–.56 15.84N 98.85W 12 3.9,3.9
ISCJB X 02 08 54 05.1–.81 16.19N–.06 98.85W–.05 10 4.0b,3.9
IDC X 02 08 54 06.3–2.1 16.36N 98.56W 0 4.0,3.9b
ISC Event type se.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=7.0km s-min=7.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.3km az=24.5.
IDC Error ellipse: s-maj=40.2km s-min=16.7km az=18.0.
MEX X 02 13 26 33.8–.48 16.34N 98.38W 5 3.7

¶603775662

MEX Error ellipse: s-maj=6.3km s-min=2.5km az=-1.0.
ISC X 02 14 14 50.4–1.0 16.16N–.07 98.57W–.04 17 4.1b 42 0-58
ISCJB X 02 14 14 49.9–.76 16.14N–.07 98.61W–.04 17 4.0b,3.0s ¶601996810
NEIC X 02 14 14 49.9–3.5 16.10N 98.58W 10 4.1b,4.0
MEX X 02 14 14 50.3–.79 15.97N 98.62W 18–283 4.0,4.0
IDC X 02 14 14 51.4–3.3 16.50N 98.42W 0 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=6.2.
NEIC Event type se. Error ellipse: s-maj=51.4km s-min=12.2km az=179.0.
MEX Error ellipse: s-maj=8.5km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=72.1km s-min=23.8km az=23.0.
MEX X 03 14 32 55.0–.69 16.45N 100.74W 16–21 3.9

¶603775682

MEX Error ellipse: s-maj=15.7km s-min=7.0km az=-1.0.
MEX X 03 18 19 16.1–.48 16.30N 98.28W 10–23 3.7

¶603775688

MEX Error ellipse: s-maj=17.2km s-min=20.3km az=-1.0.
MEX X 03 21 12 31.1–.47 16.46N 98.45W 13 3.7

¶603775691

MEX Error ellipse: s-maj=6.5km s-min=6.1km az=-1.0.
MEX X 04 09 59 56.8–.51 16.29N 98.27W 8–3 3.9

¶603775703

MEX Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0.
MEX X 04 10 27 42.5–1.1 16.35N 98.06W 17–19 3.8

¶603775704

MEX Error ellipse: s-maj=10.3km s-min=13.9km az=-1.0.
MEX X 05 00 02 45.3–.63 16.34N 98.28W 9–5 3.8

¶603775714

MEX Error ellipse: s-maj=5.1km s-min=7.5km az=-1.0.
MEX X 05 06 21 48.2–.30 16.24N 98.30W 5–3 3.5

¶603775717

MEX Error ellipse: s-maj=4.8km s-min=3.8km az=-1.0.
MEX X 05 06 32 24.1–.55 16.30N 98.26W 11–3 3.8
NEIC X 05 06 32 24.1–.00 16.30N 98.26W 11 4.0b,3.8 ¶601890549
MEX Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 05 06 42 37.1–.62 16.31N 98.24W 12–4 3.5

¶603775718

MEX Error ellipse: s-maj=6.3km s-min=6.7km az=-1.0.
MEX X 05 19 40 41.1–.48 16.23N 98.22W 10–2 3.6

¶603775723

MEX Error ellipse: s-maj=5.3km s-min=5.4km az=-1.0.
MEX X 06 05 45 06.2–.77 16.28N 98.14W 9–3 3.5

¶603775730

MEX Error ellipse: s-maj=6.9km s-min=8.5km az=-1.0.
MEX X 06 09 37 57.7–1.2 16.14N 98.54W 16–999 3.8

¶603775732

MEX Error ellipse: s-maj=12.6km s-min=17.8km az=-1.0.
MEX X 06 13 03 26.0–.59 16.37N 98.33W 3–36 3.5

¶603775733

MEX Error ellipse: s-maj=34.8km s-min=4.8km az=-1.0.
MEX X 07 06 42 54.0–.63 16.02N 98.42W 4–5 3.9

¶603775744

MEX Error ellipse: s-maj=7.2km s-min=5.7km az=-1.0.
MEX X 07 10 12 52.8–.75 16.56N 100.30W 1–7 3.7

¶603775746

MEX Error ellipse: s-maj=9.0km s-min=12.1km az=-1.0.
MEX X 08 08 04 36.8–.66 16.31N 98.02W 5 3.6

¶603775757

MEX Error ellipse: s-maj=7.4km s-min=3.5km az=-1.0.
MEX X 08 10 32 21.7–.54 16.73N 99.72W 12–3 4.0
NEIC X 08 10 32 21.7–.00 16.73N 99.72W 12 4.0 ¶601997492
MEX Error ellipse: s-maj=3.6km s-min=2.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 09 00 17 01.2–.34 16.42N 98.51W 12–13 3.6

¶603775775

MEX Error ellipse: s-maj=6.2km s-min=10.2km az=-1.0.
MEX X 09 21 27 31.4–.67 16.17N 98.57W 10–18 3.9

¶603775779

MEX Error ellipse: s-maj=15.1km s-min=9.1km az=-1.0.
MEX X 10 10 02 45.9–.53 16.31N 98.26W 12–2 3.5

¶603775790

MEX Error ellipse: s-maj=5.3km s-min=4.9km az=-1.0.
MEX X 10 10 37 17.5–.42 16.10N 98.59W 1–3 3.9

¶603775791

MEX Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0.
MEX X 10 11 45 05.1–.69 16.35N 98.22W 14–2 3.6

¶603775793

MEX Error ellipse: s-maj=5.7km s-min=6.2km az=-1.0.
MEX X 10 11 49 40.9–.42 16.12N 98.46W 5–5 3.6

¶603775794

MEX Error ellipse: s-maj=7.4km s-min=5.0km az=-1.0.
MEX X 10 12 38 22.7–.60 16.37N 98.35W 10–4 3.6

¶603775795

MEX Error ellipse: s-maj=7.1km s-min=3.8km az=-1.0.
MEX X 10 14 42 16.2–.50 16.93N 100.38W 26–4 3.6

¶603775796

MEX Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0.
MEX X 10 15 31 02.2–.60 16.27N 98.17W 13–2 3.9

¶603775797

MEX Error ellipse: s-maj=5.3km s-min=6.0km az=-1.0.
MEX X 10 18 27 01.0–.51 16.26N 98.23W 11–2 3.5

¶603775798

MEX Error ellipse: s-maj=7.5km s-min=7.7km az=-1.0.
MEX X 11 02 38 51.9–.60 16.31N 98.24W 13–3 3.6

¶603775809

MEX Error ellipse: s-maj=6.9km s-min=6.1km az=-1.0.
MEX X 11 04 25 38.6–.50 16.32N 98.47W 5–3 3.7
¶603775810

MEX Error ellipse: s-maj=3.5km s-min=3.1km az=-1.0.
MEX X 11 15 36 37.5–.39 16.00N 98.56W 2 3.6
¶603775820

MEX Error ellipse: s-maj=5.6km s-min=3.6km az=-1.0.
MEX X 12 23 37 39.6–.97 16.57N 98.39W 8–19 3.8
¶603775842

MEX Error ellipse: s-maj=13.8km s-min=7.7km az=-1.0.
ISC X 13 01 24 52.0–.80 16.86N–.04 100.32W–.04 15–4 4.5b 395 0-146
IDC X 13 01 24 49.4–.63 16.98N 99.99W 0 4.4,4.3 ¶601830337
ISCJB X 13 01 24 52.0–.56 16.87N–.03 100.20W–.02 26–3 4.4b,3.6s
NEIC X 13 01 24 52.6–.00 16.85N 100.32W 5 4.6,4.4b
MEX X 13 01 24 52.6–1.1 16.85N 100.32W 5 4.6,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=32.3km s-min=14.4km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=19.4.
NEIC Event type fe. Felt at Acapulco, Chilpancingo and Coyuca. After MEX.
MEX Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.
MEX X 13 12 10 54.5–.32 16.02N 98.58W 6 3.5
¶603775849

MEX Error ellipse: s-maj=6.3km s-min=4.0km az=-1.0.
ISC X 13 20 38 50.6–.82 16.17N–.07 98.57W–.04 10 4.5b 131 0-130
IDC X 13 20 38 47.8–1.3 15.99N 98.60W 0 4.1,4.0b ¶601837556
MEX X 13 20 38 49.8–.91 16.14N 98.63W 1 4.3,4.0b
ISCJB X 13 20 38 53.1–.63 16.45N–.07 98.17W–.04 10 4.4b,4.0b
NEIC X 13 20 38 55.6–.90 16.55N 98.15W 13–7 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=18.4km az=13.0.
MEX Error ellipse: s-maj=7.1km s-min=4.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=4.6km az=23.1.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=201.0.
MEX X 14 10 49 30.7–.85 16.27N 98.09W 9–5 3.6
¶603775870

MEX Error ellipse: s-maj=7.7km s-min=8.5km az=-1.0.
MEX X 14 23 05 38.5–.51 16.29N 98.05W 12–3 3.7
¶603775872

MEX Error ellipse: s-maj=6.2km s-min=5.6km az=-1.0.
MEX X 15 05 06 13.5–.85 16.47N 99.27W 16–12 3.7
¶603775877

MEX Error ellipse: s-maj=10.3km s-min=3.5km az=-1.0.
MEX X 15 05 48 41.0–.46 16.86N 100.52W 6–2 3.6
¶603775878

MEX Error ellipse: s-maj=4.1km s-min=3.4km az=-1.0.
MEX X 15 07 24 13.7–.60 16.03N 98.60W 9–133 3.6
¶603775879

MEX Error ellipse: s-maj=107.2km s-min=58.1km az=-1.0.
MEX X 15 16 02 18.7–.59 16.09N 98.27W 3–6 3.7
¶603775881

MEX Error ellipse: s-maj=5.3km s-min=7.2km az=-1.0.
MEX X 15 19 18 39.7–.33 16.69N 99.90W 3–3 3.7
¶603775882

MEX Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0.
MEX X 16 05 55 18.5–.62 16.22N 98.03W 5 3.6
¶603775896

MEX Error ellipse: s-maj=6.5km s-min=5.7km az=-1.0.
MEX X 16 22 47 29.6–.67 16.29N 98.17W 15–2 3.5
¶603775901

MEX Error ellipse: s-maj=5.9km s-min=7.2km az=-1.0.
MEX X 17 03 47 36.2–.33 16.26N 98.21W 12–1 3.5
¶603775912

MEX Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
MEX X 17 06 43 32.9–.34 16.22N 98.42W 7–4 3.5
¶603775913

MEX Error ellipse: s-maj=5.1km s-min=3.5km az=-1.0.
MEX X 17 10 01 41.7–.34 16.25N 98.12W 48–34 3.6
¶603775914

MEX Error ellipse: s-maj=6.0km s-min=9.6km az=-1.0.
MEX X 18 12 20 34.9–1.3 16.31N 98.02W 3 4.0
NEIC X 18 12 20 34.9–.00 16.31N 98.02W 3 4.0 ¶601998798
MEX Error ellipse: s-maj=9.5km s-min=6.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 18 17 11 14.7–.50 16.38N 98.16W 31–5 3.6
¶603775933

MEX Error ellipse: s-maj=8.0km s-min=7.2km az=-1.0.
MEX X 19 18 07 12.2–.65 16.17N 98.17W 16–64 3.9
¶603775949

MEX Error ellipse: s-maj=51.9km s-min=18.6km az=-1.0.
MEX X 20 04 07 49.5–.59 16.36N 98.23W 8–5 3.6
¶603775952

MEX Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0.
MEX X 20 05 36 40.1–.44 16.93N 100.38W 8–2 3.7
¶603775955

MEX Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
MEX X 20 20 04 16.7–.44 17.47N 101.57W 78–6 4.0
NEIC X 20 20 04 16.7–.00 17.47N 101.57W 78 4.0 ¶601999079
MEX Error ellipse: s-maj=8.9km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 10 03 15.3–.50 16.67N 99.61W 2 3.9
¶603775978

MEX Error ellipse: s-maj=5.3km s-min=2.9km az=-1.0.
MEX X 21 13 07 38.0–.70 16.30N 98.22W 10–5 3.9
¶603775981

MEX Error ellipse: s-maj=4.9km s-min=4.4km az=-1.0.
MEX X 22 08 21 25.3–.76 16.81N 98.21W 10 4.1
NEIC X 22 08 21 25.3–.00 16.81N 98.21W 10 4.1 ¶602031542
MEX Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 22 14 33 20.3–.66 16.24N 98.22W 6–3 3.7
¶603775998

MEX Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
MEX X 23 00 07 51.6–1.0 16.23N 98.50W 10 3.6
¶603776009

MEX Error ellipse: s-maj=9.2km s-min=6.7km az=-1.0.
MEX X 23 00 09 49.6–.57 16.89N 100.32W 1 3.4
¶603776010

MEX Error ellipse: s-maj=6.4km s-min=10.6km az=-1.0.
MEX X 23 07 16 02.8–1.1 16.45N 98.64W 16–16 3.5
¶603776014

MEX Error ellipse: s-maj=7.6km s-min=8.5km az=-1.0.
MEX X 23 17 50 23.2–.27 16.77N 100.02W 3–5 3.8
¶603776019

MEX Error ellipse: s-maj=4.8km s-min=4.0km az=-1.0.
MEX X 23 19 55 21.4–.33 16.05N 98.59W 1 3.6
¶603776021

MEX Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
MEX X 24 00 07 41.4–.71 16.24N 98.63W 20–34 3.7
¶603776025

MEX Error ellipse: s-maj=21.1km s-min=20.5km az=-1.0.
MEX X 24 14 15 07.8–1.1 16.63N 98.08W 4–5 3.6
¶603776036

MEX Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
MEX X 25 00 39 34.6–.89 16.37N 98.81W 10–12 3.7
¶603776046

MEX Error ellipse: s-maj=6.3km s-min=4.8km az=-1.0.
MEX X 25 02 49 43.1–.68 16.38N 98.81W 12–9 3.7
¶603776047

MEX Error ellipse: s-maj=4.9km s-min=3.6km az=-1.0.
MEX X 25 06 49 18.8–.71 16.82N 100.10W 10 3.5
¶603776051

MEX Error ellipse: s-maj=7.5km s-min=5.0km az=-1.0.
MEX X 25 08 30 54.8–1.1 16.26N 98.29W 6–8 3.6
¶603776052

MEX Error ellipse: s-maj=11.6km s-min=6.5km az=-1.0.
MEX X 25 23 58 58.5–.44 17.36N 101.74W 2 3.8
¶603776058

MEX Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0.
MEX X 26 14 19 04.5–.43 17.31N 101.37W 36–8 3.8
¶603776068

MEX Error ellipse: s-maj=3.1km s-min=4.4km az=-1.0.
MEX X 26 15 56 04.3–.98 16.30N 98.19W 9–3 3.8
¶603776070

MEX Error ellipse: s-maj=4.7km s-min=4.6km az=-1.0.
MEX X 26 16 15 43.9–.71 16.12N 98.28W 5 3.7
¶603776071

MEX Error ellipse: s-maj=7.7km s-min=10.0km az=-1.0.
MEX X 26 23 43 45.1–.95 16.30N 98.03W 5 3.7
¶603776076

MEX Error ellipse: s-maj=12.3km s-min=5.1km az=-1.0.
MEX X 26 23 50 53.0–1.1 16.31N 98.04W 5 3.5
¶603776077

MEX Error ellipse: s-maj=4.3km s-min=4.0km az=-1.0.
MEX X 27 04 08 48.1–.39 16.31N 98.02W 3 3.6
¶603776083

MEX Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0.
MEX X 27 22 57 00.1–.50 16.99N 101.49W 10 3.8
¶603776097

MEX Error ellipse: s-maj=6.4km s-min=7.3km az=-1.0.
MEX X 28 13 14 01.3–.42 16.56N 98.45W 3 3.6
¶603776152

MEX Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0.
MEX X 28 16 50 55.7–.43 16.22N 98.17W 9–3 3.6
¶603776153

MEX Error ellipse: s-maj=5.3km s-min=9.8km az=-1.0.
MEX X 28 23 44 17.5–.68 16.38N 98.39W 3 3.8
¶603776154

MEX Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
MEX X 29 07 30 52.5–.64 16.32N 98.06W 11–8 3.5
¶603776305

MEX Error ellipse: s-maj=6.4km s-min=10.5km az=-1.0.
MEX X 29 07 38 00.2–.89 16.27N 98.08W 8–7 3.7
¶603776306

MEX Error ellipse: s-maj=5.7km s-min=8.3km az=-1.0.
MEX X 29 11 53 22.0–.59 16.32N 98.25W 11–2 3.8
¶603776308

MEX Error ellipse: s-maj=5.2km s-min=4.3km az=-1.0.
MEX X 29 23 10 25.1–.73 16.37N 98.39W 1 3.5
¶603776311

MEX Error ellipse: s-maj=6.5km s-min=4.4km az=-1.0.
MEX X 30 07 44 00.2–.49 17.33N 101.26W 2–838 3.6
¶603776446

MEX Error ellipse: s-maj=414.5km s-min=591.6km az=-1.0.
MEX X 31 00 41 52.6–.65 16.20N 98.33W 1 3.6
¶603776605

MEX Error ellipse: s-maj=7.7km s-min=5.4km az=-1.0.
MEX X 31 11 29 08.9–.79 16.02N 98.71W 3 3.9
¶603776612

MEX Error ellipse: s-maj=6.5km s-min=5.2km az=-1.0.
MEX X 31 15 49 49.0–.72 16.02N 99.18W 14–72 3.9
¶603776616

MEX Error ellipse: s-maj=44.1km s-min=46.6km az=-1.0.
MEX X 31 19 02 08.7–.70 16.32N 98.34W 6–5 3.5
¶603776619

MEX Error ellipse: s-maj=6.4km s-min=4.7km az=-1.0.
MEX X 31 20 46 26.8–.79 16.32N 98.27W 9–5 3.6
¶603776622

MEX Error ellipse: s-maj=5.7km s-min=6.2km az=-1.0.
MEX X 31 21 09 14.1–.85 16.44N 98.17W 20–8 3.6
¶603776624

MEX Error ellipse: s-maj=6.3km s-min=8.7km az=-1.0.
MEX XI 01 05 38 14.4–.44 16.34N 98.26W 16–1 3.5
¶603826468

MEX Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.
MEX XI 01 14 56 21.6–.68 16.29N 98.03W 5 3.6
¶603826476

MEX Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.
MEX XI 01 19 31 27.7–.43 16.22N 98.19W 8–2 3.5
¶603826479

MEX Error ellipse: s-maj=3.4km s-min=5.2km az=-1.0.
MEX XI 02 03 17 06.8–.44 16.25N 98.39W 7–2 3.5
¶603826482

MEX Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
MEX XI 02 07 04 25.1–.68 16.06N 98.35W 5 3.5
¶603826484

MEX Error ellipse: s-maj=4.1km s-min=5.5km az=-1.0.
MEX XI 02 10 49 41.5–.69 16.25N 98.02W 3–7 3.6
¶603826485

MEX Error ellipse: s-maj=4.6km s-min=4.8km az=-1.0.
MEX XI 02 14 35 12.4–.55 16.48N 98.61W 16–7 3.6
¶603826487

MEX Error ellipse: s-maj=3.9km s-min=4.5km az=-1.0.
MEX XI 02 16 39 30.6–.47 16.37N 98.23W 17–6 3.6
¶603826488

MEX Error ellipse: s-maj=4.1km s-min=3.8km az=-1.0.
MEX XI 02 20 15 19.8–.39 16.30N 98.25W 14–1 3.6
¶603826491

MEX Error ellipse: s-maj=3.2km s-min=2.9km az=-1.0.
MEX XI 03 04 26 32.2–.57 16.07N 98.10W 3–4 3.7
¶603826494

MEX Error ellipse: s-maj=3.8km s-min=5.0km az=-1.0.
MEX XI 03 05 12 05.9–.42 16.81N 100.46W 14–5 3.8
¶603826495

MEX Error ellipse: s-maj=3.9km s-min=1.9km az=-1.0.
MEX XI 03 09 52 36.5–.64 16.89N 101.73W 16–28 3.7
¶603826497

MEX Error ellipse: s-maj=16.6km s-min=21.9km az=-1.0.
ISC XI 03 12 39 26.7–1.2 16.31N–.07 98.31W–.04 19–4 34 0-24
ISCJB XI 03 12 39 25.3–1.0 16.28N–.06 98.32W–.04 20–6 ¶602037394
MEX XI 03 12 39 26.8–.49 16.26N 98.32W 6–2 4.0
NEIC XI 03 12 39 26.8–.00 16.26N 98.32W 6 4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.1km az=20.6.
MEX Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 03 12 51 55.9–.91 16.11N 98.20W 5 3.8
¶603826498

MEX Error ellipse: s-maj=4.7km s-min=6.0km az=-1.0.
MEX XI 03 13 02 00.4–.38 16.27N 98.35W 3–3 3.6
¶603826499

MEX Error ellipse: s-maj=4.0km s-min=2.5km az=-1.0.
MEX XI 03 14 02 58.3–.65 16.36N 98.36W 4–4 3.7
¶603826500

MEX Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
MEX XI 04 02 01 52.5–.53 16.33N 98.21W 15–2 3.6
¶603826509

MEX Error ellipse: s-maj=5.1km s-min=6.2km az=-1.0.
MEX XI 04 04 09 29.7–.56 16.38N 98.38W 9–3 3.7
¶603826512

MEX Error ellipse: s-maj=4.8km s-min=4.3km az=-1.0.
MEX XI 04 14 00 10.8–.75 16.36N 98.25W 14–2 3.7
¶603826518

MEX Error ellipse: s-maj=4.9km s-min=5.9km az=-1.0.
MEX XI 04 14 12 21.5–.61 16.58N 98.38W 10–9 3.6
¶603826519

MEX Error ellipse: s-maj=7.2km s-min=7.8km az=-1.0.
MEX XI 05 01 56 05.0–.60 16.42N 98.41W 4–6 3.6
¶603826527

MEX Error ellipse: s-maj=5.9km s-min=3.4km az=-1.0.
MEX XI 05 02 44 18.3–.43 16.01N 98.30W 3–3 3.5
¶603826529

MEX Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
MEX XI 05 08 48 18.9–.49 16.31N 98.25W 17–10 3.5
¶603826531

MEX Error ellipse: s-maj=5.0km s-min=4.9km az=-1.0.
MEX XI 05 12 09 40.5–.65 16.24N 98.06W 7–4 3.7
¶603826532

MEX Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
MEX XI 06 01 47 15.6–.47 16.51N 98.45W 14–5 3.6
¶603826538

MEX Error ellipse: s-maj=2.6km s-min=3.0km az=-1.0.
MEX XI 06 04 36 10.6–.49 16.54N 98.42W 26–9 3.8
¶603826539

MEX Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
MEX XI 06 08 06 06.2–.66 16.16N 98.33W 5 3.7
¶603826541

MEX Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0.
MEX XI 06 11 09 33.3–.60 16.28N 98.01W 5–7 3.5
¶603826542

MEX Error ellipse: s-maj=6.3km s-min=6.1km az=-1.0.
MEX XI 06 13 27 48.2–.45 16.04N 98.30W 4–2 3.6
¶603826544

MEX Error ellipse: s-maj=2.8km s-min=3.4km az=-1.0.
MEX XI 06 18 53 07.4–.57 16.50N 98.45W 20–30 3.6
¶603826548

MEX Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
MEX XI 06 23 54 43.9–.43 16.19N 98.19W 13–2 3.5
¶603826553

MEX Error ellipse: s-maj=2.4km s-min=3.8km az=-1.0.
ISC XI 07 08 03 52.9–.74 16.56N–.05 98.50W–.04 10 4.0b 54 0-59
ISCJB XI 07 08 03 50.4–.80 16.37N–.10 98.55W–.05 10 4.1b ¶602054268
NEIC XI 07 08 03 53.9–.00 16.50N 98.43W 20 4.1,4.1b
MEX XI 07 08 03 53.9–.60 16.50N 98.43W 20–26 4.1,4.1b
IDC XI 07 08 03 54.1–7.8 16.50N 98.30W 30–47 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=4.7km az=18.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=69.5km s-min=26.1km az=26.0.
MEX XI 07 09 42 57.6–.71 16.56N 98.50W 18–6 3.6
¶603826557

MEX Error ellipse: s-maj=5.5km s-min=5.2km az=-1.0.
MEX XI 07 10 13 14.5–.63 16.16N 98.22W 5 3.6
¶603826558

MEX Error ellipse: s-maj=3.2km s-min=3.6km az=-1.0.
MEX XI 07 11 05 00.2–.59 16.37N 98.46W 2–4 3.5
¶603826559

MEX Error ellipse: s-maj=4.6km s-min=3.2km az=-1.0.
MEX XI 07 14 36 19.1–.56 17.27N 101.26W 16–8 3.5
¶603826561

MEX Error ellipse: s-maj=5.1km s-min=3.5km az=-1.0.
MEX XI 07 14 53 30.4–.46 16.49N 98.46W 13–4 3.6
¶603826562

MEX Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
MEX XI 08 04 26 11.2–.83 16.17N 98.33W 5 3.7
¶603826575

MEX Error ellipse: s-maj=4.2km s-min=4.6km az=-1.0.
MEX XI 08 10 58 18.2–.52 16.34N 98.04W 5 3.5
¶603826579

MEX Error ellipse: s-maj=2.7km s-min=1.7km az=-1.0.
MEX XI 09 01 40 00.8–.51 16.28N 98.04W 9–5 3.6
¶603826596

MEX Error ellipse: s-maj=5.2km s-min=6.8km az=-1.0.
MEX XI 09 06 41 23.5–.76 16.28N 98.01W 4–9 3.7
¶603826601

MEX Error ellipse: s-maj=5.9km s-min=7.0km az=-1.0.
MEX XI 09 15 14 28.0–.89 16.23N 98.25W 4–5 3.7
¶603826606

MEX Error ellipse: s-maj=4.1km s-min=5.0km az=-1.0.
MEX XI 10 03 33 07.6–.54 16.32N 98.22W 12–2 3.6
¶603826616

MEX Error ellipse: s-maj=3.5km s-min=4.7km az=-1.0.
MEX XI 10 09 36 25.0–.60 16.27N 98.84W 17–7 3.8
¶603826623

MEX Error ellipse: s-maj=5.8km s-min=2.8km az=-1.0.
MEX XI 10 14 13 15.4–.46 16.31N 98.05W 9–5 3.5
¶603826629

MEX Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0.
MEX XI 10 15 39 22.9–.38 17.33N 101.52W 6–6 3.8
¶603826632

MEX Error ellipse: s-maj=3.8km s-min=8.5km az=-1.0.
MEX XI 10 20 53 09.8–.38 16.33N 98.27W 11–1 3.6
¶603826634

MEX Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0.
MEX XI 10 21 49 48.7–.65 16.25N 98.02W 5 3.5
¶603826635

MEX Error ellipse: s-maj=4.6km s-min=3.5km az=-1.0.
MEX XI 10 22 24 31.4–.36 16.27N 98.31W 5–2 3.6
¶603826636

MEX Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0.
MEX XI 10 23 17 52.6–.36 16.24N 98.20W 11–1 3.7
¶603826638

MEX Error ellipse: s-maj=2.9km s-min=3.5km az=-1.0.
MEX XI 11 07 03 11.5–.56 16.19N 98.02W 5 3.7
¶603826640

MEX Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0.
MEX XI 11 14 01 52.7–.55 16.53N 98.45W 14–5 3.6
¶603826645

MEX Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.
MEX XI 11 17 55 15.3–.51 17.46N 101.25W 18–33 3.7
¶603826651

MEX Error ellipse: s-maj=4.0km s-min=3.3km az=-1.0.
MEX XI 11 18 37 48.6–.36 16.02N 98.39W 5 3.6
¶603826652

MEX Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
MEX XI 11 18 52 46.1–.38 16.00N 98.35W 5 3.5
¶603826653

MEX Error ellipse: s-maj=3.6km s-min=4.9km az=-1.0.
MEX XI 12 20 57 05.4–.63 16.35N 98.21W 15–2 3.7
¶603826676

MEX Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
MEX XI 12 21 38 11.9–.47 16.33N 98.27W 11–2 3.6
¶603826677

MEX Error ellipse: s-maj=3.4km s-min=3.3km az=-1.0.
MEX XI 12 21 54 03.4–.50 17.28N 101.34W 5–7 4.0
NEIC XI 12 21 54 03.2–.00 17.26N 101.37W 3 4.0 ¶602054310
MEX Error ellipse: s-maj=4.7km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 13 19 56 43.6–.52 16.36N 98.25W 12–2 3.5
¶603826685

MEX Error ellipse: s-maj=3.9km s-min=4.9km az=-1.0.
MEX XI 14 04 02 13.3–.32 16.48N 98.58W 22–17 3.8
¶603826692

MEX Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0.
MEX XI 14 05 03 33.0–.50 16.31N 98.22W 12–2 3.6
¶603826693

MEX Error ellipse: s-maj=4.0km s-min=3.9km az=-1.0.
MEX XI 14 08 34 23.0–.60 16.05N 98.71W 16–16 3.7
¶603826695

MEX Error ellipse: s-maj=9.6km s-min=10.6km az=-1.0.
MEX XI 14 09 43 35.0–.49 17.27N 101.04W 12–6 3.8
¶603826698

MEX Error ellipse: s-maj=4.0km s-min=2.1km az=-1.0.
MEX XI 14 12 19 38.6–.64 16.22N 98.05W 5 3.6
¶603826699

MEX Error ellipse: s-maj=4.0km s-min=4.1km az=-1.0.
MEX XI 14 12 24 06.3–.79 16.25N 98.01W 3–7 3.7
¶603826700

MEX Error ellipse: s-maj=5.7km s-min=5.6km az=-1.0.
MEX XI 14 12 29 42.8–.42 16.37N 98.41W 4–4 3.6
¶603826701

MEX Error ellipse: s-maj=4.3km s-min=3.1km az=-1.0.
MEX XI 14 13 06 00.5–.57 16.23N 98.03W 5 3.7
¶603826703

MEX Error ellipse: s-maj=4.4km s-min=3.6km az=-1.0.
ISC XI 14 19 15 24.6–1.0 16.64N–.03 98.18W–.04 11–7 4.8b 139 0-91
ISCJB XI 14 19 15 22.9–.91 16.69N–.04 97.99W–.03 3–7 4.7b ¶602059956
NEIC XI 14 19 15 24.3–1.3 16.70N 98.05W 2–10 4.7b
MEX XI 14 19 15 24.0–.49 16.37N 98.41W 8–2 4.0
IDC XI 14 19 15 32.4–4.4 16.67N 97.66W 33–33 5.0,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.0km az=20.4.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=199.0.
MEX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=14.8km az=44.0.
MEX XI 15 01 17 10.7–.46 16.28N 98.04W 8–5 3.5
¶603826707

MEX Error ellipse: s-maj=4.2km s-min=6.0km az=-1.0.
MEX XI 15 07 26 37.8–.59 16.36N 98.22W 14–2 3.5
¶603826711

MEX Error ellipse: s-maj=4.9km s-min=5.1km az=-1.0.
MEX XI 15 12 48 28.6–.58 16.38N 98.39W 10–3 3.6
¶603826720

MEX Error ellipse: s-maj=3.7km s-min=3.1km az=-1.0.
MEX XI 15 18 49 36.5–.58 16.04N 98.69W 11–16 3.6
¶603826725

MEX Error ellipse: s-maj=10.2km s-min=10.9km az=-1.0.
MEX XI 15 19 18 43.9–.46 16.31N 98.34W 5–3 3.5
¶603826726

MEX Error ellipse: s-maj=4.9km s-min=3.3km az=-1.0.
MEX XI 15 21 38 11.3–.42 16.57N 98.42W 2–5 3.5
¶603826729

MEX Error ellipse: s-maj=3.9km s-min=4.6km az=-1.0.
MEX XI 15 23 14 42.2–.90 16.33N 98.46W 5 3.5
NEIC XI 15 23 14 42.0–.00 16.35N 98.47W 1 4.0 ¶602056163
MEX Error ellipse: s-maj=7.4km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 16 09 59 14.5–.27 16.17N 98.25W 10–1 3.7
¶603826741

MEX Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0.
MEX XI 16 13 26 02.7–.45 16.09N 98.46W 5–2 3.8
¶603826745

MEX Error ellipse: s-maj=3.2km s-min=1.9km az=-1.0.
MEX XI 16 22 47 45.6–.73 16.15N 98.25W 5 3.5
¶603826751

MEX Error ellipse: s-maj=5.0km s-min=9.6km az=-1.0.
MEX XI 16 23 56 59.2–.67 16.12N 98.25W 5 3.7
¶603826752

MEX Error ellipse: s-maj=3.1km s-min=2.8km az=-1.0.
MEX XI 17 15 36 46.8–.67 16.10N 98.38W 7–3 3.8
¶603826758

MEX Error ellipse: s-maj=3.7km s-min=4.3km az=-1.0.
MEX XI 17 18 52 19.6–.54 16.76N 99.68W 11–3 3.5
¶603826761

MEX Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
MEX XI 18 03 27 47.0–.65 16.51N 98.45W 10–5 3.5
¶603826765

MEX Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.
MEX XI 18 10 08 38.6–.58 16.42N 98.41W 10–3 4.0
NEIC XI 18 10 08 38.6–.00 16.42N 98.41W 10 4.0 ¶602042651
MEX Error ellipse: s-maj=4.3km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 19 03 55 37.5–.51 17.90N 101.68W 15 3.9
¶603826771

MEX Error ellipse: s-maj=4.0km s-min=6.7km az=-1.0.
MEX XI 19 07 42 06.2–.38 16.04N 98.57W 3–2 3.9
¶603826773

MEX Error ellipse: s-maj=3.2km s-min=3.4km az=-1.0.
ISC XI 19 08 51 44.8–.68 17.76N–.05 101.36W–.03 44–7 4.0b 256 0-128
NEIC XI 19 08 51 44.7–1.0 17.60N 101.16W 45–6 4.3,4.0b ¶601992884
MEX XI 19 08 51 46.7–.82 17.90N 101.35W 10–7 4.0,4.0b
IDC XI 19 08 51 52.3–3.7 18.11N 100.83W 106–32 4.0,3.9
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=5.4km az=179.0. Felt [IV] in Jose Azueta. Also felt at Ixtapa and Zihuatanejo.
MEX Error ellipse: s-maj=4.8km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=15.3km az=49.0.
MEX XI 20 00 35 26.0–.66 16.31N 98.50W 5 3.9
¶603826780

MEX Error ellipse: s-maj=4.2km s-min=4.2km az=-1.0.
MEX XI 20 03 14 33.6–.62 16.69N 99.67W 5 3.9
NEIC XI 20 03 14 34.2–.00 16.74N 99.66W 3 4.0 ¶602081946
MEX Error ellipse: s-maj=5.1km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 20 09 23 31.3–.42 16.51N 100.06W 5 4.3
NEIC XI 20 09 23 27.8–.00 16.25N 100.32W 16 4.3 ¶602210399
MEX Error ellipse: s-maj=2.6km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 20 21 29 34.1–.66 16.19N 98.23W 5 4.1
NEIC XI 20 21 29 34.9–.00 16.23N 98.22W 5 4.1 ¶602060000
MEX Error ellipse: s-maj=3.5km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 21 00 30 48.5–1.5 16.17N–.05 98.57W–.04 12–8 4.6b,4.0s 646 0-151
NEIC XI 21 00 30 47.4–.00 15.99N 98.60W 9 4.7,4.6b ¶601993297
MEX XI 21 00 30 47.1–.43 15.95N 98.63W 13–6 4.7,4.6b
IDC XI 21 00 30 47.2–.67 16.27N 98.51W 0 4.5,4.4
BJI XI 21 00 30 50.8 16.30N 98.30W 12 4.5,4.4
GCMT XI 21 00 30 51.4–.60 16.14N–.03 98.43W–.05 14–1 4.8W,4.4
ISCJB XI 21 00 30 51.1–1.2 16.39N–.03 98.26W–.02 32–8 4.5b,4.0s
ISC Event type fe.
NEIC Event type fe. Felt at Cacahuatepec. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c14; s70,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.51±.15 $M_{\theta\theta}$-1.22±.09; $M_{\phi\phi}$-0.28±.08; $M_{r\theta}$0.97±.21; $M_{\theta\theta}$0.56±.06; $M_{\theta r}$-0.32±.25; Best double couple: NP1:ϕ_s111.00000°,δ62.00000°,λ86.00000°. NP2:ϕ_s299.00000°,δ28.00000°,λ97.00000°. Principal axes: T 1.8320,Plg73.0000° ,Azm13.0000°; N -0.0290,Plg3.0000°,Azm113.0000°; P -1.7990,Plg17.0000°,Azm204.0000° $M_0$1.81500×10^{16}
ISCJB Event type fe.
MEX XI 21 16 37 14.8–.63 16.41N 98.02W 5 3.7
¶603826787

MEX Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
MEX XI 22 02 06 42.2–.42 16.29N 98.06W 7–4 3.6
¶603826790

MEX Error ellipse: s-maj=2.9km s-min=4.6km az=-1.0.
MEX XI 22 05 26 45.0–.51 16.27N 98.17W 12–11 3.8
¶603826791

MEX Error ellipse: s-maj=8.1km s-min=5.5km az=-1.0.
MEX XI 22 12 50 09.6–.52 16.40N 98.41W 8–4 3.9
¶603826794

MEX Error ellipse: s-maj=4.8km s-min=4.3km az=-1.0.
MEX XI 22 13 59 45.9–.41 16.51N 98.48W 12–3 3.7
¶603826795

MEX Error ellipse: s-maj=3.6km s-min=3.1km az=-1.0.
MEX XI 22 15 08 33.7–.59 16.48N 98.45W 15–10 3.6
¶603826796

MEX Error ellipse: s-maj=5.0km s-min=8.2km az=-1.0.
MEX XI 23 00 52 43.2–.69 16.35N 98.04W 5 3.9
¶603826801

MEX Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
MEX XI 23 12 50 48.2–.59 16.23N 98.25W 11–2 3.5
¶603826805

MEX Error ellipse: s-maj=4.1km s-min=4.3km az=-1.0.
MEX XI 23 15 58 18.8–.42 16.10N 98.64W 2–3 3.8
¶603826806

MEX Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
MEX XI 24 18 33 50.5–.39 16.64N 98.38W 2–7 3.7
¶603826815

MEX Error ellipse: s-maj=4.6km s-min=4.5km az=-1.0.
MEX XI 24 22 53 46.8–.38 16.56N 98.45W 11–3 4.0
¶603826817

MEX Error ellipse: s-maj=3.0km s-min=1.7km az=-1.0.
MEX XI 25 01 10 39.6–.46 16.35N 98.27W 11–2 3.6
¶603826819

MEX Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0.
MEX XI 25 04 18 05.9–.55 16.03N 98.46W 5 3.7
¶603826822

MEX Error ellipse: s-maj=5.0km s-min=5.5km az=-1.0.
MEX XI 25 04 40 44.8–.43 16.12N 98.57W 3–4 3.6
¶603826823

MEX Error ellipse: s-maj=4.9km s-min=4.9km az=-1.0.
MEX XI 25 09 36 47.5–.79 16.34N 98.24W 13–3 3.5
¶603826825

MEX Error ellipse: s-maj=6.9km s-min=6.2km az=-1.0.
MEX XI 25 10 31 33.2–.59 16.31N 98.19W 6–3 3.8
¶603826827

MEX Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0.
MEX XI 25 19 18 18.5–.51 16.38N 98.27W 13–2 3.7
¶603826833

MEX Error ellipse: s-maj=3.4km s-min=4.1km az=-1.0.
MEX XI 25 19 43 34.1–.34 16.29N 98.23W 10–1 3.6
¶603826834

MEX Error ellipse: s-maj=3.0km s-min=3.9km az=-1.0.
MEX XI 25 20 06 13.5–.67 16.15N 98.28W 5 3.8
¶603826835

MEX Error ellipse: s-maj=5.4km s-min=5.4km az=-1.0.
MEX XI 26 02 16 51.4–.45 16.28N 98.15W 14–2 3.7
¶603826838

MEX Error ellipse: s-maj=3.9km s-min=5.5km az=-1.0.
MEX XI 26 02 45 54.0–.38 16.28N 98.02W 5–8 3.6
¶603826839

MEX Error ellipse: s-maj=5.9km s-min=6.7km az=-1.0.
MEX XI 26 03 08 05.4–.42 16.29N 98.06W 9–3 3.7
¶603826840

MEX Error ellipse: s-maj=4.3km s-min=4.9km az=-1.0.
MEX XI 26 03 53 00.5–.55 16.01N 98.72W 23–26 3.8
¶603826842

MEX Error ellipse: s-maj=7.1km s-min=7.4km az=-1.0.
MEX XI 26 04 11 52.3–.64 16.95N 99.64W 45–10 3.6
¶603826843

MEX Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.
MEX XI 26 15 34 29.3–.53 16.89N 99.41W 30–14 3.8
¶603826850

MEX Error ellipse: s-maj=4.1km s-min=2.9km az=-1.0.
MEX XI 26 17 42 01.2–.82 16.47N 98.62W 16–11 3.7
¶603826853

MEX Error ellipse: s-maj=12.1km s-min=8.4km az=-1.0.
MEX XI 26 19 01 27.6–.50 16.35N 98.20W 16–1 3.5
¶603826855

MEX Error ellipse: s-maj=3.7km s-min=4.1km az=-1.0.
MEX XI 27 05 25 11.8–.49 16.30N 98.21W 13–2 3.7
¶603826858

MEX Error ellipse: s-maj=4.7km s-min=4.9km az=-1.0.
MEX XI 27 06 26 44.9–.45 16.81N 99.26W 30–7 3.8
¶603826859

MEX Error ellipse: s-maj=3.5km s-min=1.8km az=-1.0.
MEX XI 28 11 21 31.2–.38 16.25N 98.04W 5 3.6
¶603826872

MEX Error ellipse: s-maj=4.3km s-min=3.1km az=-1.0.
MEX XI 28 13 24 36.8–.64 16.96N 100.55W 14–8 3.7
¶603826873

MEX Error ellipse: s-maj=6.1km s-min=3.7km az=-1.0.
MEX XI 28 23 56 27.3–.49 16.13N 98.31W 5 3.7
¶603826876

MEX Error ellipse: s-maj=4.4km s-min=4.5km az=-1.0.
MEX XI 29 22 27 16.1–.48 16.76N 99.70W 13–3 3.7
¶603826890

MEX Error ellipse: s-maj=5.5km s-min=2.8km az=-1.0.
MEX XII 01 11 22 45.5–.63 16.34N 98.45W 4–7 3.7
¶603931920

MEX Error ellipse: s-maj=5.9km s-min=3.2km az=-1.0.
MEX XII 01 12 18 30.6–.77 16.37N 98.45W 2 3.7
¶603931922

MEX Error ellipse: s-maj=6.9km s-min=5.2km az=-1.0.
MEX XII 01 12 51 49.7–.38 16.27N 98.00W 2 3.7
¶603931923

MEX Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0.
MEX XII 01 20 50 47.7–.63 16.51N 98.47W 25–26 3.8
¶603931924

MEX Error ellipse: s-maj=5.2km s-min=4.3km az=-1.0.
MEX XII 02 21 15 20.7–.30 16.25N 98.51W 2–5 3.8
¶603931927

MEX Error ellipse: s-maj=9.3km s-min=5.2km az=-1.0.
MEX XII 03 18 21 47.7–.39 17.30N 101.07W 12–5 3.9
¶603931937

MEX Error ellipse: s-maj=3.4km s-min=1.8km az=-1.0.
MEX XII 04 02 48 03.2–.73 17.37N 101.45W 25–19 4.1
NEIC XII 04 02 48 03.2–.00 17.37N 101.45W 25 4.1
¶602311718

MEX Error ellipse: s-maj=6.7km s-min=7.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 04 06 02 00.9–.51 16.58N 98.50W 16–6 4.0
NEIC XII 04 06 02 00.9–.00 16.58N 98.50W 16 4.0
¶602330109

MEX Error ellipse: s-maj=2.5km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 04 13 10 04.7–.39 16.49N 98.47W 24–20 3.8
¶603931949

MEX Error ellipse: s-maj=4.1km s-min=5.4km az=-1.0.
MEX XII 04 13 34 01.3–.57 16.37N 98.21W 15–3 3.7
¶603931950

MEX Error ellipse: s-maj=8.6km s-min=7.2km az=-1.0.
MEX XII 04 18 46 40.5–.41 16.32N 98.42W 5 3.7
¶603931953

MEX Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.
MEX XII 04 20 42 27.7–.45 16.33N 98.25W 15–3 3.7
¶603931954

MEX Error ellipse: s-maj=7.5km s-min=7.3km az=-1.0.
MEX XII 04 21 16 33.5–.46 16.33N 98.26W 14–3 3.9
¶603931955

MEX Error ellipse: s-maj=8.5km s-min=6.1km az=-1.0.
MEX XII 04 21 26 49.1–.86 16.42N 98.22W 14–11 3.7
¶603931956

MEX Error ellipse: s-maj=17.3km s-min=11.4km az=-1.0.
MEX XII 05 05 51 59.0–.56 16.34N 98.29W 11–4 3.6
¶603931958

MEX Error ellipse: s-maj=7.4km s-min=4.0km az=-1.0.
MEX XII 05 07 27 30.0–.70 16.02N 98.30W 10–4 3.9
¶603931959

MEX Error ellipse: s-maj=4.3km s-min=6.1km az=-1.0.
MEX XII 05 09 34 35.6–.42 17.62N 101.07W 16–6 3.7
¶603931960

MEX Error ellipse: s-maj=2.9km s-min=1.9km az=-1.0.
MEX XII 05 17 38 38.7–.31 16.30N 98.29W 14–1 3.6
¶603931966

MEX Error ellipse: s-maj=3.1km s-min=4.6km az=-1.0.
MEX XII 05 18 48 34.0–.49 16.28N 98.15W 24–6 3.6
¶603931967

MEX Error ellipse: s-maj=6.3km s-min=8.8km az=-1.0.
MEX XII 05 19 51 29.9–.68 16.31N 98.21W 12–2 3.9
¶603931968

MEX Error ellipse: s-maj=4.9km s-min=4.8km az=-1.0.
MEX XII 06 10 39 14.5–.48 16.29N 98.13W 16–3 3.8
¶603931972

MEX Error ellipse: s-maj=5.9km s-min=7.3km az=-1.0.
MEX XII 06 16 16 46.7–.39 16.84N 100.11W 2–3 3.8
¶603931975

MEX Error ellipse: s-maj=3.6km s-min=1.7km az=-1.0.
MEX XII 06 16 49 16.1–.35 16.49N 98.30W 22–8 3.7
¶603931976

MEX Error ellipse: s-maj=2.6km s-min=2.8km az=-1.0.
MEX XII 06 20 05 48.7–.62 16.55N 98.41W 24–33 3.7
¶603931979

MEX Error ellipse: s-maj=6.4km s-min=9.2km az=-1.0.
MEX XII 07 03 10 52.9–.40 16.53N 98.55W 1–12 3.9
¶603931983

MEX Error ellipse: s-maj=10.0km s-min=7.7km az=-1.0.
MEX XII 07 07 14 15.2–.34 16.32N 98.29W 14–2 3.8
¶603931986

MEX Error ellipse: s-maj=5.9km s-min=4.0km az=-1.0.
MEX XII 07 07 55 37.8–.31 16.59N 98.47W 4–11 3.8
¶603931987

MEX Error ellipse: s-maj=9.0km s-min=8.2km az=-1.0.
MEX XII 07 12 44 46.8–.40 16.35N 98.26W 16–3 3.7
¶603931989

MEX Error ellipse: s-maj=6.6km s-min=6.1km az=-1.0.
ISC XII 08 00 30 24.6–1.2 16.57N–.04 98.48W–.03 13–8 4.0b 71 0-56
MEX XII 08 00 30 27.7–.64 16.49N 98.45W 19–41 4.0 ¶602032175
NEIC XII 08 00 30 27.7–.00 16.49N 98.45W 20 4.1b,4.0
IDC XII 08 00 30 31.7–4.7 16.79N 98.20W 52–44 3.7,3.7
ISC Event type se.
MEX Error ellipse: s-maj=4.1km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=45.0km s-min=21.4km az=34.0.
MEX XII 09 04 23 47.8–.34 17.77N 101.73W 58–19 3.7
¶603932002

MEX Error ellipse: s-maj=23.9km s-min=7.4km az=-1.0.
MEX XII 09 08 03 13.1–.37 16.28N 98.22W 20–5 3.6
¶603932006

MEX Error ellipse: s-maj=6.3km s-min=8.2km az=-1.0.
MEX XII 09 22 57 35.6–.56 16.98N 100.10W 23–9 3.9
¶603932010

MEX Error ellipse: s-maj=4.9km s-min=2.9km az=-1.0.
MEX XII 10 19 44 03.6–.47 16.25N 98.24W 8–5 3.7
¶603932013

MEX Error ellipse: s-maj=5.9km s-min=5.1km az=-1.0.
MEX XII 11 10 28 32.5–.97 16.02N 98.44W 2 3.6
¶603932016

MEX Error ellipse: s-maj=7.7km s-min=10.1km az=-1.0.
MEX XII 11 10 37 12.8–.67 17.56N 101.78W 2 3.8
¶603932017

MEX Error ellipse: s-maj=11.0km s-min=7.0km az=-1.0.
MEX XII 11 12 39 51.9–.70 16.34N 98.22W 13–2 3.7
¶603932018

MEX Error ellipse: s-maj=4.7km s-min=4.5km az=-1.0.
MEX XII 11 12 45 07.2–.72 16.26N 98.02W 2 3.7
¶603932019

MEX Error ellipse: s-maj=13.9km s-min=6.3km az=-1.0.
MEX XII 12 04 20 35.8–.53 16.05N 98.56W 2–3 3.7
¶603932026

MEX Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
MEX XII 12 04 50 26.1–5.7 17.31N 101.22W 1 3.8
¶603932027

MEX Error ellipse: s-maj=41.8km s-min=30.2km az=-1.0.
MEX XII 15 06 24 02.0–.92 16.33N 98.42W 6–9 3.8
¶603932054

MEX Error ellipse: s-maj=13.7km s-min=5.8km az=-1.0.
MEX XII 15 10 30 20.7–.60 16.31N 98.44W 1–9 3.7
¶603932056

MEX Error ellipse: s-maj=9.9km s-min=3.9km az=-1.0.
MEX XII 15 18 04 30.8–.51 16.30N 98.05W 8–5 3.5
¶603932060

MEX Error ellipse: s-maj=5.1km s-min=5.8km az=-1.0.
MEX XII 16 17 47 51.5–.32 16.25N 98.03W 3 3.5
¶603932063

MEX Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0.
MEX XII 17 06 24 22.1–.27 16.51N 98.95W 16–4 3.8
¶603932066

MEX Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
MEX XII 17 09 00 35.9–.56 16.30N 98.21W 13–2 3.6
¶603932068

MEX Error ellipse: s-maj=5.4km s-min=4.3km az=-1.0.
MEX XII 17 09 18 41.9–.88 16.14N 98.62W 9–16 3.8
¶603932069

MEX Error ellipse: s-maj=10.3km s-min=8.1km az=-1.0.
MEX XII 18 06 19 42.3–.57 16.49N 98.45W 3 3.7
¶603932084

MEX Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
MEX XII 19 00 41 52.2–.32 16.07N 98.29W 2 3.9
¶603932088

MEX Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
MEX XII 21 12 41 09.9–.56 16.19N 98.49W 1–3 3.9
¶603932111

MEX Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
MEX XII 22 00 11 29.4–.80 16.22N 98.11W 8–9 3.8
¶603932113

MEX Error ellipse: s-maj=8.3km s-min=13.5km az=-1.0.
MEX XII 22 18 13 32.2–.71 16.34N 98.12W 15–3 3.7
¶603932119

MEX Error ellipse: s-maj=8.3km s-min=8.7km az=-1.0.
ISC XII 22 22 04 38.4–1.4 16.12N–.05 98.61W–.03 13–7 4.4b 136 1-130
IDC XII 22 22 04 37.2–2.2 16.15N 98.43W 0 4.2,3.9 ¶602374092
ISCJB XII 22 22 04 40.2–1.3 16.11N–.07 98.45W–.04 31–7 4.3b,4.1s
MEX XII 22 22 04 40.3–1.2 16.09N 98.63W 17–19 4.1,4.1s
NEIC XII 22 22 04 40.3–.00 16.09N 98.63W 16 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=18.5km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.3km az=13.5.

MEX Error ellipse: s-maj=11.8km s-min=6.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 23 03 22 17.3–.63 16.88N 99.81W 23–6 3.8
¶603932121

MEX Error ellipse: s-maj=5.0km s-min=3.1km az=-1.0.
MEX XII 23 03 33 55.1–.53 16.34N 98.24W 12–3 3.8
¶603932122

MEX Error ellipse: s-maj=4.6km s-min=5.8km az=-1.0.
MEX XII 23 07 45 19.1–.61 16.32N 98.27W 11–3 3.8
¶603932125

MEX Error ellipse: s-maj=5.5km s-min=5.0km az=-1.0.
MEX XII 23 13 59 46.0–.35 16.25N 98.22W 11–2 3.6
¶603932128

MEX Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
MEX XII 23 20 41 53.7–.69 16.31N 98.43W 3 3.8
¶603932131

MEX Error ellipse: s-maj=6.4km s-min=4.1km az=-1.0.
MEX XII 23 20 58 33.8–.50 16.06N 98.32W 4–4 3.9
¶603932132

MEX Error ellipse: s-maj=3.4km s-min=4.2km az=-1.0.
MEX XII 23 21 31 44.5–.47 16.06N 98.32W 1 3.7
¶603932133

MEX Error ellipse: s-maj=3.1km s-min=4.7km az=-1.0.
MEX XII 23 23 39 48.4–.51 16.05N 98.30W 4–3 3.8
¶603932134

MEX Error ellipse: s-maj=3.2km s-min=4.8km az=-1.0.
MEX XII 24 04 05 06.1–.85 16.02N 98.37W 2 4.0
NEIC XII 24 04 05 06.0–.00 16.02N 98.37W 2 4.0
¶602323389

MEX Error ellipse: s-maj=5.6km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 24 13 08 20.3–.39 17.43N 101.71W 22–17 3.7
¶603932137

MEX Error ellipse: s-maj=6.1km s-min=5.8km az=-1.0.
MEX XII 24 20 39 24.5–.39 16.76N 100.36W 5–4 3.9
¶603932140

MEX Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
MEX XII 25 17 56 05.8–.92 16.60N 98.16W 10–12 3.8
¶603932147

MEX Error ellipse: s-maj=6.7km s-min=7.4km az=-1.0.
MEX XII 25 19 17 37.4–.86 16.34N 98.42W 2 3.6
¶603932149

MEX Error ellipse: s-maj=7.1km s-min=5.1km az=-1.0.
MEX XII 25 23 26 03.6–.30 16.01N 98.36W 1 3.7
¶603932151

MEX Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
MEX XII 26 11 08 15.2–.85 16.24N 98.11W 3 3.7
¶603932154

MEX Error ellipse: s-maj=8.5km s-min=11.8km az=-1.0.
MEX XII 26 20 48 38.4–.53 16.27N 98.19W 23–6 3.5
¶603932156

MEX Error ellipse: s-maj=9.5km s-min=11.9km az=-1.0.
MEX XII 27 10 18 07.8–.43 16.37N 98.28W 15–2 3.5
¶603932158

MEX Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0.
MEX XII 28 13 47 01.3–.37 17.38N 101.21W 2–14 3.7
¶603932167

MEX Error ellipse: s-maj=7.5km s-min=7.6km az=-1.0.
MEX XII 28 18 33 32.5–.54 16.32N 98.31W 9–2 3.8
¶603932168

MEX Error ellipse: s-maj=3.1km s-min=4.3km az=-1.0.
MEX XII 29 01 22 30.7–.99 16.39N 98.20W 18–7 3.9
¶603932173

MEX Error ellipse: s-maj=6.4km s-min=7.8km az=-1.0.
MEX XII 29 18 30 32.3–.37 16.35N 98.25W 15–1 3.5
¶603932180

MEX Error ellipse: s-maj=2.8km s-min=4.6km az=-1.0.
MEX XII 31 05 11 57.3–.59 16.45N 98.44W 5–4 3.5
¶603932192

MEX Error ellipse: s-maj=4.5km s-min=4.0km az=-1.0.
MEX XII 31 15 08 19.4–.44 16.02N 98.31W 1–3 3.7
¶603932195

MEX Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0.

(59) Guerrero.
MEX VII 01 08 05 05.3–.64 18.00N 100.65W 7–4 3.9
¶603312171

MEX Error ellipse: s-maj=2.6km s-min=3.9km az=-1.0.
MEX VII 03 22 01 14.9–.68 17.45N 100.54W 39–13 3.7
¶603312199

MEX Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
MEX VII 04 00 27 18.6–.58 17.28N 100.67W 11–5 3.7
¶603312203

MEX Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0.
MEX VII 04 16 43 36.4–.56 17.17N 100.22W 34–10 3.7
¶603312211

MEX Error ellipse: s-maj=6.8km s-min=7.0km az=-1.0.
MEX VII 06 23 28 49.3–.49 17.31N 100.75W 10–4 3.8
¶603312238

MEX Error ellipse: s-maj=2.1km s-min=1.6km az=-1.0.
MEX VII 10 03 26 50.7–1.2 17.15N 100.18W 26–22 3.9
¶603312284

MEX Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.
MEX VII 10 10 07 59.7–.54 17.07N 100.10W 30–8 3.8
¶603312287

MEX Error ellipse: s-maj=3.3km s-min=3.7km az=-1.0.
MEX VII 11 08 21 28.6–.57 17.34N 100.80W 11–5 3.9
¶603312309

MEX Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
MEX VII 11 08 53 35.8–.46 18.33N 101.40W 58–6 4.2
NEIC VII 11 08 53 35.9–.00 18.34N 101.41W 55 4.2
¶601625013

MEX Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 17 15 57 28.5–.58 18.62N–.03 100.00W–.03 71–5 4.0b 225 0-82
ISCJB VII 17 15 57 27.1–.25 18.63N–.03 99.92W–.02 84–2 3.9b
¶601643161
NEIC VII 17 15 57 28.6–.38 18.62N 99.93W 76–5 4.3,4.1b
MEX VII 17 15 57 29.5–.67 18.62N 100.01W 67–5 4.0,4.1b
IDC VII 17 15 57 30.5–1.4 18.88N 99.81W 80–10 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=24.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.6km az=219.0.
MEX Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=35.6km s-min=14.6km az=46.0.
MEX VII 18 08 06 55.5–.71 17.15N 100.76W 5–11 3.8
¶603312385

MEX Error ellipse: s-maj=11.3km s-min=7.3km az=-1.0.
MEX VII 18 19 59 11.4–.66 17.30N 100.67W 17–171 3.9
¶603312387

MEX Error ellipse: s-maj=4.2km s-min=2.3km az=-1.0.
MEX VII 20 10 34 18.2–.57 18.43N 101.23W 62–10 3.7
¶603312401

MEX Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0.
MEX VII 21 09 50 55.7–.67 18.53N 101.73W 46–20 4.1
NEIC VII 21 09 50 55.9–.00 18.50N 101.72W 16 4.0
¶601643185

MEX Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 21 15 29 32.4–.60 17.98N 100.64W 53–8 3.9
¶603312412

MEX Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
MEX VII 23 08 55 00.2–1.1 17.75N 100.90W 10–14 3.8
¶603312434

MEX Error ellipse: s-maj=13.2km s-min=6.7km az=-1.0.

ISC VII 24 19 45 18.0–1.0 18.07N–.04 101.86W–.03 42–13 3.8b,2.9s 58 1-85
IDC VII 24 19 45 11.0–2.4 17.87N 102.06W 0 4.0,3.8b
¶601643204
ISCJB VII 24 19 45 17.1–.41 18.07N–.04 101.85W–.03 51–7 3.8b,3.0s
NEIC VII 24 19 45 19.5–.00 18.07N 101.86W 24 4.1,4.1b
MEX VII 24 19 45 19.6–.51 18.08N 101.85W 24–11 4.1,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=22.2km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.8km az=25.1.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0.
MEX VII 26 06 21 27.5–.80 17.82N 99.95W 56–8 3.5
¶603312492

MEX Error ellipse: s-maj=6.2km s-min=3.1km az=-1.0.
MEX VII 26 13 05 56.7–.50 18.04N 100.09W 15–7 3.5
¶603312496

MEX Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.
MEX VII 26 15 55 37.1–.76 18.18N 101.78W 8–10 3.8
¶603312499

MEX Error ellipse: s-maj=4.9km s-min=3.4km az=-1.0.
MEX VII 30 05 43 25.9–.60 17.18N 100.30W 44–5 3.8
¶603312541

MEX Error ellipse: s-maj=3.9km s-min=2.7km az=-1.0.
MEX VII 30 15 54 45.5–.75 17.03N 100.11W 5 3.8
¶603312546

MEX Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
MEX VII 31 14 02 00.7–.70 18.12N 100.67W 47–8 3.7
¶603312555

MEX Error ellipse: s-maj=9.4km s-min=4.8km az=-1.0.
MEX VII 31 14 16 24.4–.66 17.35N 100.88W 29–21 3.7
¶603312556

MEX Error ellipse: s-maj=3.9km s-min=3.0km az=-1.0.
MEX VIII 02 22 40 04.2–.58 18.04N 100.09W 20 3.9
¶604033323

MEX Error ellipse: s-maj=2.7km s-min=4.1km az=-1.0.
MEX VIII 02 22 45 39.9–.34 18.06N 100.29W 46–10 3.6
¶604033324

MEX Error ellipse: s-maj=6.0km s-min=13.5km az=-1.0.
MEX VIII 06 10 38 54.3–.67 18.08N 101.25W 57–8 4.0
NEIC VIII 06 10 38 54.3–.00 18.08N 101.25W 57 4.0
¶601734796
MEX Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 06 13 03 40.9–.81 17.32N 100.91W 4–9 3.5
¶604033356

MEX Error ellipse: s-maj=4.6km s-min=3.0km az=-1.0.
ISC VIII 07 13 12 12.3–1.5 17.43N–.04 100.77W–.03 13–11 3.8b,3.0s 59 1-128
IDC VIII 07 13 12 09.7–1.9 17.28N 100.85W 0 3.7,3.6
¶601734799
ISCJB VIII 07 13 12 13.8–.56 17.40N–.04 100.77W–.03 23–6 3.7b,3.0s
MEX VIII 07 13 12 16.7–1.5 17.40N 100.79W 20–17 4.0,3.0s
NEIC VIII 07 13 12 16.7–.00 17.40N 100.79W 20 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=31.2km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.1km az=25.9.
MEX Error ellipse: s-maj=7.5km s-min=5.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 09 09 48 36.2–.31 17.95N 100.16W 53–6 3.5
¶604033375

MEX Error ellipse: s-maj=9.4km s-min=5.1km az=-1.0.
MEX VIII 10 09 01 57.0–.51 17.57N 100.98W 3 3.6
¶604033381

MEX Error ellipse: s-maj=5.3km s-min=1.8km az=-1.0.
MEX VIII 10 19 57 33.1–.66 17.08N 100.22W 13–11 3.5
¶604033385

MEX Error ellipse: s-maj=12.3km s-min=11.1km az=-1.0.
MEX VIII 10 22 33 52.5–.44 18.05N 100.73W 37–16 3.6
¶604033387

MEX Error ellipse: s-maj=6.3km s-min=2.9km az=-1.0.
MEX VIII 12 08 34 38.3–.79 18.34N 101.30W 50–20 4.0
NEIC VIII 12 08 34 38.3–.00 18.34N 101.30W 50 4.0
¶601734905
MEX Error ellipse: s-maj=5.4km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 12 12 08 13.2–.37 18.22N 100.82W 36–7 3.9
¶604033402

MEX Error ellipse: s-maj=3.5km s-min=2.3km az=-1.0.
MEX VIII 13 11 42 15.8–.73 17.11N 99.20W 11–7 3.5
¶604033409

MEX Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0.
MEX VIII 15 14 07 56.5–1.4 18.32N 99.52W 5 3.6
¶604033421

MEX Error ellipse: s-maj=5.5km s-min=8.2km az=-1.0.
MEX VIII 18 07 52 25.8–.64 18.46N 101.48W 61–39 3.9
¶604033436

MEX Error ellipse: s-maj=17.6km s-min=5.4km az=-1.0.
MEX VIII 18 10 40 50.2–.42 18.15N 101.99W 31–999 3.8
¶604033439

MEX Error ellipse: s-maj=485.1km s-min=191.0km az=-1.0.
MEX VIII 18 19 20 44.8–.82 17.42N 100.49W 10–15 4.0
NEIC VIII 18 19 20 44.8–.00 17.42N 100.50W 10 4.0
¶601766122
MEX Error ellipse: s-maj=4.5km s-min=7.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 12 51 16.4–.58 17.75N 100.78W 57–8 3.9
¶604033471

MEX Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0.
MEX VIII 25 07 09 58.5–.35 18.31N 101.63W 8–6 3.6
¶604033520

MEX Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
MEX VIII 25 18 31 51.9–.33 18.43N 101.95W 40 3.7
¶604033532

MEX Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
MEX IX 01 19 10 56.4–.35 17.21N 100.54W 47–5 3.6
¶603514290

MEX Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
MEX IX 07 22 36 13.9–.55 18.26N 100.53W 55–4 3.8
¶603514379

MEX Error ellipse: s-maj=4.0km s-min=2.5km az=-1.0.
MEX IX 09 19 08 07.5–.69 17.82N 99.93W 65–6 4.0
NEIC IX 09 19 08 07.5–.00 17.82N 99.93W 65 4.0
¶601842064
MEX Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 10 02 06 33.4–.47 18.34N 100.88W 48–7 3.8
¶603514403

MEX Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.
MEX IX 10 11 42 04.2–.60 18.02N 100.02W 56–6 3.7
¶603514405

MEX Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
MEX IX 12 07 44 04.9–.41 17.17N 100.33W 55–5 3.8
¶603514424

MEX Error ellipse: s-maj=3.6km s-min=2.8km az=-1.0.
MEX IX 16 02 04 18.0–.60 17.35N 100.77W 20–14 4.0
NEIC IX 16 02 04 18.0–.00 17.35N 100.77W 20 4.0
¶601851690
MEX Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 17 07 06 56.9–.42 17.92N 100.20W 16–5 3.6
¶603514494

MEX Error ellipse: s-maj=3.9km s-min=2.2km az=-1.0.
MEX IX 18 00 49 51.8–.53 18.00N 99.56W 53–4 3.6
¶603514502

MEX Error ellipse: s-maj=4.4km s-min=3.4km az=-1.0.
MEX IX 20 01 15 44.9–.42 17.23N 100.05W 58–5 3.6
¶603514531

MEX Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
MEX IX 21 17 19 07.8–.40 17.02N 100.77W 16–19 3.7

¶603514560

MEX Error ellipse: s-maj=10.7km s-min=15.9km az=-1.0.
MEX IX 24 08 28 53.0–.60 18.16N 101.49W 52–9 4.1
NEIC IX 24 08 28 55.1–.00 18.07N 101.35W 20 4.1 ¶601869268
MEX Error ellipse: s-maj=5.6km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 09 48 13.8–.81 17.74N 100.72W 40–17 4.0
NEIC IX 24 09 48 14.0–.00 17.75N 100.72W 26 4.0 ¶601880009
MEX Error ellipse: s-maj=4.2km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 23 09 58.3–.52 17.22N 100.29W 52–7 3.5
¶603514632

MEX Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0.
MEX IX 26 19 16 06.9–.37 18.19N 101.64W 33–21 3.9
¶603514661

MEX Error ellipse: s-maj=4.7km s-min=1.7km az=-1.0.
MEX IX 27 21 52 22.1–.60 17.33N 100.52W 51–9 3.8
¶603514696

MEX Error ellipse: s-maj=3.6km s-min=6.1km az=-1.0.
ISC IX 28 06 50 12.5–.00 18.37N–.07 101.31W–.04 81–12 29 1-25
IDC IX 28 06 49 49.1–12 17.02N 100.52W 0 3.9,3.6 ¶601833044
ISCJB IX 28 06 50 11.3–.61 18.5N–.10 101.34W–.04 71–14 3.1b,3.6
MEX IX 28 06 50 12.4–.73 18.55N 101.33W 80–12 4.0,3.6
NEIC IX 28 06 50 13.0–.00 18.48N 101.34W 72 4.0,3.6
ISC Event type se.
IDC Error ellipse: s-maj=239.4km s-min=131.2km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=6.4km az=178.2.
MEX Error ellipse: s-maj=7.1km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 28 10 56 59.2–.46 17.15N 100.87W 16–15 3.8
¶603514709

MEX Error ellipse: s-maj=6.4km s-min=13.4km az=-1.0.
MEX X 02 18 13 57.1–.62 17.30N 100.62W 5–6 3.6
¶603775663

MEX Error ellipse: s-maj=4.8km s-min=3.8km az=-1.0.
MEX X 03 13 17 37.6–.49 17.89N 98.42W 53–6 3.5
¶603775681

MEX Error ellipse: s-maj=5.1km s-min=3.7km az=-1.0.
MEX X 03 23 40 21.9–.29 18.05N 100.05W 58–4 3.7
¶603775693

MEX Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
MEX X 04 18 02 08.5–1.1 18.03N 101.31W 10 3.7
¶603775709

MEX Error ellipse: s-maj=10.1km s-min=9.7km az=-1.0.
MEX X 07 04 53 46.6–.55 17.24N 100.52W 14–7 3.6
¶603775743

MEX Error ellipse: s-maj=5.4km s-min=2.5km az=-1.0.
MEX X 07 15 05 53.6–.67 18.45N 101.57W 74–14 4.1
NEIC X 07 15 05 53.6–.00 18.45N 101.57W 74 4.1 ¶601997385
MEX Error ellipse: s-maj=4.2km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 10 02 07 48.7–.84 17.19N 100.09W 5 3.6
¶603775787

MEX Error ellipse: s-maj=6.0km s-min=7.0km az=-1.0.
MEX X 14 06 40 42.2–.32 18.51N 101.04W 54–30 3.6
¶603775864

MEX Error ellipse: s-maj=20.3km s-min=13.0km az=-1.0.
MEX X 15 20 54 23.0–.32 18.10N 100.49W 54–4 3.5
¶603775884

MEX Error ellipse: s-maj=7.6km s-min=5.2km az=-1.0.
MEX X 19 05 02 15.4–.55 17.39N 100.41W 5 3.7
¶603775943

MEX Error ellipse: s-maj=2.3km s-min=9.3km az=-1.0.
MEX X 19 08 14 32.9–.46 17.68N 100.33W 66–6 3.8
¶603775946

MEX Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0.
MEX X 19 14 13 58.5–.31 17.06N 100.17W 39–3 3.6
¶603775948

MEX Error ellipse: s-maj=2.9km s-min=1.9km az=-1.0.
MEX X 21 11 25 38.3–.70 17.96N 100.62W 51–13 3.9
¶603775979

MEX Error ellipse: s-maj=6.2km s-min=4.2km az=-1.0.
MEX X 22 06 32 04.3–.36 18.26N 100.79W 55–5 4.0
NEIC X 22 06 32 04.3–.00 18.26N 100.79W 55 4.0 ¶602031541
MEX Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 23 00 46 03.2–.56 17.25N 100.12W 34–10 3.7
¶603776011

MEX Error ellipse: s-maj=4.3km s-min=5.0km az=-1.0.
MEX X 24 12 05 05.7–.52 17.51N 100.86W 56–10 3.5
¶603776033

MEX Error ellipse: s-maj=3.6km s-min=3.0km az=-1.0.
MEX X 26 23 32 30.6–.79 17.03N 100.13W 50–13 3.5
¶603776075

MEX Error ellipse: s-maj=19.3km s-min=15.2km az=-1.0.
MEX X 29 00 28 31.5–.68 17.34N 100.75W 17–28 3.9
¶603776301

MEX Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
MEX X 31 05 28 09.2–.36 17.80N 99.87W 60–6 3.5
¶603776610

MEX Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0.
MEX XI 02 19 07 57.6–.38 18.11N 100.59W 44–4 3.7
¶603826490

MEX Error ellipse: s-maj=3.1km s-min=2.1km az=-1.0.
MEX XI 03 19 55 22.6–.63 18.39N 101.28W 53–13 3.9
¶603826505

MEX Error ellipse: s-maj=4.8km s-min=2.8km az=-1.0.
MEX XI 03 20 10 31.5–.84 18.22N 100.91W 51–11 3.7
¶603826506

MEX Error ellipse: s-maj=7.6km s-min=5.0km az=-1.0.
MEX XI 04 00 25 03.8–.71 17.01N 100.13W 5 3.7
¶603826508

MEX Error ellipse: s-maj=2.9km s-min=2.0km az=-1.0.
MEX XI 04 09 52 52.8–.35 18.15N 100.92W 23–7 3.8
¶603826516

MEX Error ellipse: s-maj=3.1km s-min=2.1km az=-1.0.
MEX XI 05 04 42 43.8–.76 18.14N 100.83W 64–11 3.5
¶603826530

MEX Error ellipse: s-maj=7.3km s-min=5.1km az=-1.0.
MEX XI 05 13 23 17.2–.32 18.21N 100.70W 60–4 3.5
¶603826533

MEX Error ellipse: s-maj=7.2km s-min=3.2km az=-1.0.
MEX XI 06 11 17 35.2–.39 18.25N 101.97W 40–61 3.9
¶603826543

MEX Error ellipse: s-maj=15.3km s-min=2.9km az=-1.0.
MEX XI 12 23 13 07.8–.32 18.31N 100.52W 35–4 3.5
¶603826679

MEX Error ellipse: s-maj=13.9km s-min=6.5km az=-1.0.
ISC XI 15 09 20 21.4–.26 18.20N–.02 100.53W–.03 58–2 5.8b,5.7s 1710 0-155
MOS XI 15 09 20 18.0–1.1 18.33N 100.33W 33 6.0b,5.6s ¶601901948
NEIC XI 15 09 20 21.9–.13 18.35N 100.38W 53 6.1,6.1
BJI XI 15 09 20 21.0 18.55N 100.30W 50 6.0s,5.8
MEX XI 15 09 20 22.6–.53 18.18N 100.53W 45–3 6.1,5.8
IDC XI 15 09 20 22.9–.51 18.33N 100.40W 65–4 5.6s,5.6
GCMT XI 15 09 20 22.9–.10 18.30N 100.48W 53–0 6.1W,5.6
ISCJB XI 15 09 20 22.2–.26 18.36N–.02 100.41W–.01 71–2 5.7b,5.6
NEIC XI 15 09 20 23.0–.00 18.41N 100.27W 60 5.7b,5.6
NEIC XI 15 09 20 40.5–.00 18.55N 99.86W 53 5.7b,5.6
ISC Event type fe.
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=93.0.

NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=217.0. Felt [VI] at Acatzingo; [IV] at Cuernavaca, Granjas Mexico, Huixquilucan, Mexico, Nezahualcoyotl, Puebla, Tlalchapa, Toluca and Zihuatanejo. Widely felt in Distrito Federal, Estado de Mexico, Guerrero, Michoacan, Morelos and Puebla and in parts of Guanajuato, Hidalgo and Oaxaca. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.29 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.73 $M_{\theta\theta}$0.98 $M_{\phi\phi}$0.75 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.79 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s125.00000°,δ49.00000°,λ-98.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ-81.00000°. Principal axes: T 1.6800,Plg4.0000°,Azm221.0000°; N 0.0900,Plg6.0000°,Azm130.0000° ; P -1.7600,Plg83.0000°,Azm342.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s105.00000°,δ53.00000°,λ-106.00000°. NP2: ϕ_s310.00000°,δ40.00000°,λ-70.00000°. Principal axes: T Plg7.0000°,Azm206.0000° ; N Plg0.0000°,Azm0.0000°; P Plg76.0000°,Azm323.0000°
MEX Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=7.8km az=56.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c286; s124,c438; Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.52±.01 $M_{\theta\theta}$1.39±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$-0.40±.01; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$-0.04±.01; Best double couple: NP1:ϕ_s104.00000° ,δ52.00000°,λ-98.00000°. NP2:ϕ_s297.00000°,δ39.00000°,λ-80.00000°. Principal axes: T 1.6310,Plg7.0000°,Azm200.0000°; N -0.0580,Plg6.0000°,Azm109.0000° ; P -1.5820,Plg81.0000°,Azm335.0000° $M_0$1.60700×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.6km az=34.3.
NEIC Event type se. Moment Tensor Solution. s64 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.60 $M_{\theta\theta}$1.10 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.45 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s108.00000° ,δ51.00000°,λ-101.00000°. NP2:ϕ_s307.00000°,δ40.00000°,λ-75.00000°. Principal axes: T 1.3600,Plg5.0000°,Azm206.0000°; N 0.3100,Plg9.0000°,Azm115.0000° ; P -1.6800,Plg79.0000°,Azm326.0000° $M_0$1.50000×10^{18}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.08 $M_{\theta\theta}$1.59 $M_{\phi\phi}$0.49 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s299.00000° ,δ38.00000°,λ-81.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ-97.00000°. Principal axes: T 1.9100,Plg7.0000°,Azm203.0000°; N 0.2500,Plg5.0000°,Azm112.0000° ; P -2.1600,Plg81.0000°,Azm346.0000° $M_0$2.00000×10^{18}
MEX XI 15 09 39 11.9–.54 18.18N 100.53W 47–4 4.0
¶603826715

MEX Error ellipse: s-maj=3.4km s-min=2.3km az=-1.0.
MEX XI 15 11 10 52.4–.48 18.24N 100.57W 55–5 3.5
¶603826718

MEX Error ellipse: s-maj=8.4km s-min=5.3km az=-1.0.
MEX XI 15 12 13 22.1–.54 18.16N 100.62W 54–6 3.8
¶603826719

MEX Error ellipse: s-maj=8.6km s-min=5.6km az=-1.0.
MEX XI 15 14 37 51.6–.34 18.27N 100.56W 57–3 3.7
¶603826721

MEX Error ellipse: s-maj=5.3km s-min=3.4km az=-1.0.
MEX XI 15 14 55 56.6–.33 18.20N 100.60W 52–3 3.7
¶603826722

MEX Error ellipse: s-maj=6.0km s-min=4.3km az=-1.0.
MEX XI 15 15 09 18.5–.32 18.20N 100.58W 52–3 3.7
¶603826723

MEX Error ellipse: s-maj=5.2km s-min=3.4km az=-1.0.
MEX XI 15 21 29 57.3–.39 18.16N 100.57W 57–5 3.5
¶603826728

MEX Error ellipse: s-maj=6.8km s-min=3.2km az=-1.0.
MEX XI 15 23 46 41.7–.44 18.16N 100.72W 40–7 3.7
¶603826730

MEX Error ellipse: s-maj=6.2km s-min=3.1km az=-1.0.
MEX XI 16 01 42 26.7–.84 17.94N 99.76W 55–6 3.7
¶603826735

MEX Error ellipse: s-maj=3.7km s-min=3.4km az=-1.0.
MEX XI 16 03 04 47.8–.73 18.20N 100.54W 51–6 3.8
¶603826736

MEX Error ellipse: s-maj=8.4km s-min=3.5km az=-1.0.
MEX XI 19 07 20 41.6–.70 17.96N 100.55W 56–12 3.8
¶603826772

MEX Error ellipse: s-maj=10.9km s-min=4.8km az=-1.0.
MEX XI 20 09 40 06.5–.45 18.19N 100.53W 52–3 4.1
NEIC XI 20 09 40 06.4–.00 18.11N 100.47W 50 4.1 ¶602210400
MEX Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 21 20 11 49.6–.57 17.29N 98.44W 49–7 3.7
¶603826788

MEX Error ellipse: s-maj=4.2km s-min=3.0km az=-1.0.
MEX XI 22 00 14 12.5–.70 17.20N 98.26W 5–3 3.6
¶603826789

MEX Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
MEX XI 22 19 16 42.9–.50 18.43N 100.96W 5 3.6
¶603826798

MEX Error ellipse: s-maj=7.8km s-min=3.9km az=-1.0.
MEX XI 23 19 21 27.2–.31 18.18N 101.49W 30–10 3.6
¶603826810

MEX Error ellipse: s-maj=4.3km s-min=5.6km az=-1.0.
MEX XI 28 01 57 11.4–.80 18.21N 100.52W 54–8 3.7
¶603826868

MEX Error ellipse: s-maj=9.0km s-min=4.2km az=-1.0.
MEX XI 29 02 30 53.0–.54 18.23N 100.55W 53–5 3.8
¶603826877

MEX Error ellipse: s-maj=9.7km s-min=3.1km az=-1.0.
MEX XI 29 11 01 21.1–.85 17.21N 99.99W 34–11 3.8
¶603826882

MEX Error ellipse: s-maj=6.3km s-min=4.0km az=-1.0.
MEX XI 29 13 26 59.9–.33 18.06N 100.01W 58–3 3.6
¶603826886

MEX Error ellipse: s-maj=2.9km s-min=1.4km az=-1.0.
MEX XI 29 20 44 20.3–.50 18.36N 101.03W 65–8 4.0
¶603826889

MEX Error ellipse: s-maj=7.0km s-min=3.9km az=-1.0.
MEX XII 02 02 30 35.7–.77 17.19N 99.73W 50–8 4.0
NEIC XII 02 02 30 35.7–.00 17.19N 99.73W 49 4.0 ¶602330021
MEX Error ellipse: s-maj=4.1km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 03 04 13 45.7–.76 18.01N 100.66W 50 3.7
¶603931929

MEX Error ellipse: s-maj=6.7km s-min=9.7km az=-1.0.
MEX XII 03 21 26 17.5–.42 17.89N 100.49W 58–5 3.8
¶603931941

MEX Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0.
MEX XII 04 03 31 35.8–.66 18.04N 100.17W 46–8 3.8
¶603931948

MEX Error ellipse: s-maj=4.3km s-min=3.3km az=-1.0.
MEX XII 07 02 44 04.9–.44 17.13N 100.15W 35–8 3.5
¶603931982

MEX Error ellipse: s-maj=5.5km s-min=5.5km az=-1.0.
ISC XII 08 18 49 24.9–.68 17.24N–.04 100.14W–.04 43–7 4.1b 194 0-123
ISCJB XII 08 18 49 24.2–.36 17.28N–.04 100.07W–.03 53–3 4.1b ¶602330391
NEIC XII 08 18 49 25.3–.51 17.33N 100.10W 41–6 4.2,4.1b
MEX XII 08 18 49 26.4–1.0 17.28N 100.16W 44–11 4.2,4.1b
IDC XII 08 18 49 31.5–4.1 17.63N 99.70W 80–32 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=21.8.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=5.0km az=195.0. Felt at Acapulco.
MEX Error ellipse: s-maj=4.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=61.7km s-min=21.6km az=21.0.
ISC XII 10 14 34 13.2–.80 18.21N–.05 100.51W–.04 55–6 34 0-85
ISCJB XII 10 14 34 12.5–.48 18.22N–.06 100.49W–.04 62–6 3.8b ¶602347512
IDC XII 10 14 34 14.9–7.2 18.68N 100.39W 35–47 3.8,3.7
NEIC XII 10 14 34 16.3–.00 18.15N 100.50W 46 4.0,3.7
MEX XII 10 14 34 16.3–.44 18.15N 100.50W 47–5 4.0,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=175.4.
IDC Error ellipse: s-maj=93.4km s-min=25.1km az=36.0.

NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0.
MEX XII 12 18 46 53.6–.72 17.16N 100.19W 36–9 3.6
¶603932031

MEX Error ellipse: s-maj=6.0km s-min=5.1km az=-1.0.
MEX XII 15 11 37 51.7–.61 18.07N 101.52W 62–8 3.9
¶603932057

MEX Error ellipse: s-maj=5.3km s-min=2.7km az=-1.0.
ISC XII 15 15 16 02.4–.82 17.85N–.03 100.05W–.03 57–7 3.3b 66 0-129
ISCJB XII 15 15 16 01.6–.37 17.84N–.03 100.07W–.03 59–5 3.5s,3.4b **¶602355618**
NEIC XII 15 15 16 03.9–.00 17.84N 100.07W 53 4.0,3.4b
MEX XII 15 15 16 04.0–.71 17.84N 100.07W 53–5 4.0,3.4b
IDC XII 15 15 16 06.5–4.9 17.96N 99.71W 92–43 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.7km az=22.7.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=59.2km s-min=18.2km az=46.0.
MEX XII 19 21 20 16.6–.78 17.25N 100.17W 30 3.6
¶603932092

MEX Error ellipse: s-maj=2.9km s-min=4.7km az=-1.0.
MEX XII 20 19 59 40.0–.45 18.21N 101.65W 52–18 3.8
¶603932103

MEX Error ellipse: s-maj=7.3km s-min=2.8km az=-1.0.
ISC XII 21 09 38 10.9–.81 17.90N–.05 98.74W–.04 61–8 3.5b 27 0-130
ISCJB XII 21 09 38 10.0–.46 17.90N–.05 98.77W–.04 69–5 3.6b **¶602391794**
MEX XII 21 09 38 12.6–.80 17.92N 98.77W 59–6 4.1
IDC XII 21 09 38 14.9–3.1 18.24N 98.34W 83–29 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.7km az=33.4.
MEX Error ellipse: s-maj=3.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=44.9km s-min=18.1km az=38.0.
MEX XII 22 19 09 39.4–.84 17.60N 100.91W 37–13 4.0
NEIC XII 22 19 09 39.3–.00 17.60N 100.91W 37 4.0 **¶602355678**
MEX Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 23 06 05 13.4–.46 17.21N 99.46W 16–7 3.9
¶603932123

MEX Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
MEX XII 23 15 33 44.4–.34 18.05N 101.83W 6–14 3.7
¶603932130

MEX Error ellipse: s-maj=10.0km s-min=7.9km az=-1.0.
MEX XII 25 00 03 37.7–.70 18.25N 101.01W 68–9 3.9
¶603932141

MEX Error ellipse: s-maj=3.9km s-min=4.0km az=-1.0.
MEX XII 27 03 52 56.7–.45 17.22N 100.98W 26–14 3.9
¶603932157

MEX Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
MEX XII 27 12 39 10.8–.83 18.16N 101.60W 20–208 3.7
¶603932159

MEX Error ellipse: s-maj=27.3km s-min=9.0km az=-1.0.
MEX XII 28 03 12 03.6–.28 18.23N 101.31W 43–11 3.9
¶603932164

MEX Error ellipse: s-maj=7.0km s-min=4.5km az=-1.0.

(60) Oaxaca.

MEX VII 03 01 57 23.1–.47 16.45N 96.19W 32–6 4.2
NEIC VII 03 01 57 23.1–.00 16.45N 96.19W 32 4.2 **¶601532798**
MEX Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 03 08 08 52.6–.66 17.14N 97.01W 56–7 3.9
¶603312189

MEX Error ellipse: s-maj=4.5km s-min=5.6km az=-1.0.
MEX VII 03 12 10 18.9–.33 17.16N 95.72W 101–10 3.7
¶603312192

MEX Error ellipse: s-maj=5.0km s-min=7.4km az=-1.0.
MEX VII 05 16 24 55.1–1.1 16.49N 94.51W 98–9 4.0
NEIC VII 05 16 24 55.1–.00 16.49N 94.51W 98 4.0 **¶601556019**
MEX Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 07 06 07 42.5–.54 16.80N 95.06W 146–10 3.8
¶603312241

MEX Error ellipse: s-maj=6.1km s-min=3.9km az=-1.0.
MEX VII 08 12 29 13.5–.58 16.94N 96.97W 58–8 3.7
¶603312257

MEX Error ellipse: s-maj=4.4km s-min=4.9km az=-1.0.
MEX VII 09 09 20 15.8–.47 16.22N 95.66W 66–9 4.0
NEIC VII 09 09 20 15.7–.00 16.20N 95.65W 68 4.0 **¶601624979**
MEX Error ellipse: s-maj=4.1km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 09 09 34 33.8–.77 16.52N 94.73W 97–10 3.8
¶603312273

MEX Error ellipse: s-maj=6.2km s-min=2.7km az=-1.0.
ISC VII 09 23 29 34.8–.80 16.83N–.06 94.45W–.04 123–6 3.7b 33 0-89
ISCJB VII 09 23 29 34.2–.48 16.87N–.06 94.43W–.04 126–4 3.8b **¶601519817**
IDC VII 09 23 29 34.4–1.0 16.83N 94.52W 121–24 4.0,3.8
MEX VII 09 23 29 37.1–.45 16.90N 94.41W 120–3 4.0,3.8
NEIC VII 09 23 29 38.1–.00 16.71N 94.49W 100 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.8km az=6.9.
IDC Error ellipse: s-maj=131.6km s-min=27.1km az=65.0.
MEX Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 10 07 52 18.1–.59 17.48N 95.12W 149–12 3.9
¶603312286

MEX Error ellipse: s-maj=8.2km s-min=3.6km az=-1.0.
MEX VII 12 03 47 39.3–.40 16.33N 97.97W 5 3.7
¶603312318

MEX Error ellipse: s-maj=5.8km s-min=2.5km az=-1.0.
MEX VII 13 06 20 49.5–.40 16.68N 94.31W 112–10 3.8
¶603312335

MEX Error ellipse: s-maj=4.1km s-min=3.4km az=-1.0.
MEX VII 13 19 56 20.4–.47 17.03N 95.81W 20–19 3.6
¶603312342

MEX Error ellipse: s-maj=11.9km s-min=16.3km az=-1.0.
MEX VII 15 05 07 48.3–.82 16.43N 94.46W 106–11 3.9
¶603312350

MEX Error ellipse: s-maj=6.0km s-min=2.9km az=-1.0.
MEX VII 15 09 08 37.8–.92 16.87N 95.05W 129–18 3.6
¶603312354

MEX Error ellipse: s-maj=9.2km s-min=5.1km az=-1.0.
MEX VII 15 19 14 54.9–.38 16.80N 94.64W 106–8 3.7
¶603312360

MEX Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
MEX VII 16 16 15 50.1–.76 17.30N 95.38W 157–13 3.9
¶603312371

MEX Error ellipse: s-maj=8.8km s-min=5.4km az=-1.0.
MEX VII 17 04 52 02.9–.49 16.90N 95.35W 119–12 3.7
¶603312378

MEX Error ellipse: s-maj=5.3km s-min=5.2km az=-1.0.
MEX VII 18 12 10 21.9–.44 16.00N 96.69W 16–6 3.7
¶603312386

MEX Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
MEX VII 26 12 25 54.6–.48 17.20N 95.26W 99–12 3.9
¶603312495

MEX Error ellipse: s-maj=8.5km s-min=2.7km az=-1.0.
ISC VII 26 15 02 15.7–1.4 16.24N–.06 97.44W–.04 20–6 4.1b 48 1-48
IDC VII 26 15 02 06.2–9.8 15.52N 96.43W 0 3.8,3.7L **¶601666484**
ISCJB VII 26 15 02 16.9–.68 16.23N–.06 97.46W–.04 38–7 3.9b,2.6s
NEIC VII 26 15 02 19.6–.00 16.22N 97.47W 24 4.4,4.0b
MEX VII 26 15 02 19.6–.46 16.22N 97.47W 27–10 4.3,4.0b

ISC Event type se.
IDC Error ellipse: s-maj=183.3km s-min=124.2km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=11.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.6km s-min=1.6km az=-1.0.
MEX VII 26 21 03 26.7–1.1 16.83N 94.96W 126–20 3.9
¶603312503

MEX Error ellipse: s-maj=10.2km s-min=4.5km az=-1.0.
MEX VII 27 11 11 12.0–.27 16.91N 96.37W 56–3 3.5
¶603312510

MEX Error ellipse: s-maj=3.9km s-min=4.8km az=-1.0.
MEX VII 27 18 55 57.4–.84 16.60N 96.68W 29–24 3.6
¶603312512

MEX Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0.
MEX VII 29 10 18 45.5–1.0 16.97N 95.10W 126–17 3.9
¶603312528

MEX Error ellipse: s-maj=10.3km s-min=5.0km az=-1.0.
MEX VII 30 05 25 38.5–.51 16.25N 95.97W 32–11 3.7
¶603312540

MEX Error ellipse: s-maj=3.2km s-min=8.8km az=-1.0.
MEX VII 30 20 46 25.3–.57 16.06N 97.53W 16–11 3.5
¶603312547

MEX Error ellipse: s-maj=11.3km s-min=3.1km az=-1.0.
MEX VII 31 06 04 55.2–.82 16.84N 94.07W 140–11 3.8
¶603312550

MEX Error ellipse: s-maj=9.0km s-min=4.9km az=-1.0.
MEX VIII 01 09 30 05.6–1.1 16.52N 95.04W 114–28 4.0
¶604033306

MEX Error ellipse: s-maj=15.3km s-min=6.5km az=-1.0.
MEX VIII 08 10 40 10.7–.62 16.01N 97.65W 5–128 3.6
¶604033365

MEX Error ellipse: s-maj=100.2km s-min=60.5km az=-1.0.
MEX VIII 10 21 58 38.8–.35 16.22N 96.14W 13–14 3.8
¶604033386

MEX Error ellipse: s-maj=12.0km s-min=9.5km az=-1.0.
MEX VIII 11 10 36 39.1–.44 16.13N 97.22W 19–75 3.9
¶604033392

MEX Error ellipse: s-maj=5.2km s-min=3.3km az=-1.0.
MEX VIII 11 14 02 47.3–.42 16.11N 96.84W 17–803 3.7
¶604033394

MEX Error ellipse: s-maj=5.7km s-min=4.5km az=-1.0.
MEX VIII 14 12 44 37.0–1.1 16.79N 95.29W 143–33 3.9
¶604033415

MEX Error ellipse: s-maj=18.1km s-min=27.8km az=-1.0.
ISC VIII 14 13 38 29.3–.89 16.16N–.05 94.85W–.03 65–9 3.9b 71 1-84
ISCJB VIII 14 13 38 28.6–.48 16.06N–.05 94.88W–.03 70–5 4.0b **¶601562040**
NEIC VIII 14 13 38 29.4–.59 16.05N 94.82W 68–6 4.3,4.0b
IDC VIII 14 13 38 29.9–2.3 16.27N 94.56W 63–15 4.1,4.0
MEX VIII 14 13 38 31.2–1.1 16.00N 94.92W 66–33 4.3,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.3km az=12.9.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=6.0km az=190.0. Felt at San Mateo del Mar.
IDC Error ellipse: s-maj=48.1km s-min=22.0km az=48.0.
MEX Error ellipse: s-maj=11.2km s-min=5.1km az=-1.0.
MEX VIII 15 06 19 24.3–5.6 16.18N 97.24W 6–113 3.9
¶604033419

MEX Error ellipse: s-maj=51.2km s-min=25.8km az=-1.0.
MEX VIII 15 08 28 37.3–.65 17.21N 96.11W 113–6 3.9
¶604033420

MEX Error ellipse: s-maj=8.7km s-min=9.1km az=-1.0.
MEX VIII 15 09 21 44.8–.89 16.61N 94.93W 111–21 4.0
NEIC VIII 15 09 21 44.8–.00 16.61N 94.93W 111 4.0 **¶601734950**
MEX Error ellipse: s-maj=9.2km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 17 19 19 30.1–.62 17.35N–.04 95.83W–.03 80–7 4.2b 226 1-133
ISCJB VIII 17 19 19 30.4–.32 17.24N–.04 95.80W–.03 97–4 4.2b **¶601736121**
IDC VIII 17 19 19 32.3–1.8 17.13N 95.71W 90–16 3.9,3.9
MEX VIII 17 19 19 32.7–1.1 17.02N 95.98W 114–13 4.2,3.9
NEIC VIII 17 19 19 32.7–.00 17.02N 95.98W 114 4.2,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=16.4.
IDC Error ellipse: s-maj=52.8km s-min=19.5km az=45.0.
MEX Error ellipse: s-maj=10.0km s-min=7.9km az=-1.0.
NEIC Event type fe. Felt at Acatzingo, Oaxaca and Mexico. After MEX.
MEX VIII 19 06 12 34.9–.49 16.63N 97.10W 46–15 3.5
¶604033452

MEX Error ellipse: s-maj=5.3km s-min=5.0km az=-1.0.
MEX VIII 20 01 50 58.2–.40 16.74N 94.43W 98–8 3.9
¶604033460

MEX Error ellipse: s-maj=4.6km s-min=2.1km az=-1.0.
MEX VIII 21 16 04 30.3–.34 16.31N 95.73W 20–677 3.5
¶604033472

MEX Error ellipse: s-maj=24.8km s-min=50.7km az=-1.0.
MEX VIII 22 20 57 28.3–.51 16.59N 96.58W 46–33 3.5
¶604033484

MEX Error ellipse: s-maj=27.1km s-min=8.9km az=-1.0.
MEX VIII 25 21 31 50.4–.91 16.86N 94.34W 133–15 3.8
¶604033535

MEX Error ellipse: s-maj=9.9km s-min=5.0km az=-1.0.
MEX VIII 28 09 04 01.2–.89 16.29N 97.51W 20–12 4.0
¶604033560

MEX Error ellipse: s-maj=7.1km s-min=5.4km az=-1.0.
ISC VIII 28 12 51 24.7–.69 16.94N–.04 95.05W–.03 106–7 4.0b 86 0-133
ISCJB VIII 28 12 51 23.5–.34 16.84N–.04 95.10W–.03 106–4 3.9b **¶601755516**
IDC VIII 28 12 51 23.9–1.2 17.52N 94.59W 89–16 4.1,4.0
MEX VIII 28 12 51 25.0–1.6 16.92N 95.09W 108–22 4.2,4.0
NEIC VIII 28 12 51 25.0–.00 16.92N 95.09W 108 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=17.5.
IDC Error ellipse: s-maj=43.6km s-min=13.3km az=29.0.
MEX Error ellipse: s-maj=9.1km s-min=6.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 29 02 28 05.4–.65 16.39N 97.87W 10 3.5
¶604033569

MEX Error ellipse: s-maj=6.0km s-min=4.3km az=-1.0.
MEX IX 01 10 33 34.2–.51 16.95N 96.14W 5 3.6
¶603514288

MEX Error ellipse: s-maj=3.4km s-min=6.7km az=-1.0.
MEX IX 02 03 51 50.9–.36 16.19N 94.44W 78–11 3.7
¶603514296

MEX Error ellipse: s-maj=3.9km s-min=2.0km az=-1.0.
MEX IX 02 15 25 24.2–.30 16.32N 97.98W 14–4 3.7
¶603514301

MEX Error ellipse: s-maj=6.5km s-min=4.9km az=-1.0.
MEX IX 06 03 35 35.5–.54 17.00N 94.90W 202–11 3.9
¶603514356

MEX Error ellipse: s-maj=7.7km s-min=4.0km az=-1.0.
MEX IX 09 10 09 05.1–.62 16.88N 95.54W 147–9 4.0
NEIC IX 09 10 09 05.1–.00 16.88N 95.54W 147 4.0 **¶601826757**
MEX Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 09 21 13 16.6–.49 17.79N 97.56W 75–8 3.8
¶603514399

MEX Error ellipse: s-maj=2.3km s-min=2.4km az=-1.0.
MEX IX 11 09 55 46.0–.57 17.10N 95.11W 119–5 4.0
NEIC IX 11 09 55 45.9–.00 17.10N 95.11W 120 4.0 **¶601839191**
MEX Error ellipse: s-maj=6.4km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 13 11 33 44.0–.54 16.24N 97.99W 5 3.9
¶603514436

MEX Error ellipse: s-maj=4.4km s-min=2.6km az=-1.0.
MEX IX 14 02 08 33.1–.65 16.94N 95.41W 104–6 4.0
NEIC IX 14 02 08 33.1–.00 16.94N 95.41W 104 4.0 ¶601851681
MEX Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 14 21 28 54.9–.56 17.70N 95.95W 113–7 3.8
¶603514446

MEX Error ellipse: s-maj=3.9km s-min=3.0km az=-1.0.
MEX IX 15 12 13 20.2–.81 16.82N 96.98W 5–4 3.5
¶603514465

MEX Error ellipse: s-maj=5.3km s-min=3.2km az=-1.0.
MEX IX 17 02 37 49.2–.47 16.46N 95.98W 38–17 3.8
¶603514493

MEX Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
MEX IX 17 16 11 39.6–.75 16.22N 97.33W 46–14 3.6
¶603514498

MEX Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
MEX IX 18 23 08 26.7–.69 16.88N 95.17W 106–6 4.2
NEIC IX 18 23 08 26.7–.00 16.88N 95.17W 106 4.2 ¶601869247
MEX Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 19 07 22 45.8–.42 16.09N 97.00W 64–10 3.6
¶603514523

MEX Error ellipse: s-maj=3.1km s-min=2.9km az=-1.0.
MEX IX 20 11 06 50.0–.35 16.41N 97.98W 36–6 3.5
¶603514539

MEX Error ellipse: s-maj=3.9km s-min=3.9km az=-1.0.
MEX IX 21 00 20 13.0–.43 16.12N 97.02W 8–7 3.6
¶603514550

MEX Error ellipse: s-maj=3.9km s-min=3.2km az=-1.0.
MEX IX 22 00 53 03.7–.60 16.04N 97.71W 28–9 3.8
¶603514570

MEX Error ellipse: s-maj=5.3km s-min=2.7km az=-1.0.
MEX IX 22 15 46 00.1–.94 16.67N 94.33W 122–8 4.0
NEIC IX 22 15 45 59.0–.00 16.58N 94.27W 123 4.1 ¶601864015
MEX Error ellipse: s-maj=6.1km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 22 23 10 54.3–.75 16.48N 95.71W 24–13 4.0
NEIC IX 22 23 10 54.3–.00 16.42N 95.77W 54 4.0 ¶601846450
MEX Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 02 18 18.1–.41 16.13N 97.50W 13–4 3.7
¶603514618

MEX Error ellipse: s-maj=2.8km s-min=1.7km az=-1.0.
MEX IX 25 11 36 46.2–.41 16.27N 96.47W 48–10 3.8
¶603514624

MEX Error ellipse: s-maj=2.0km s-min=3.2km az=-1.0.
MEX IX 27 19 19 18.0–.84 16.80N 95.13W 161–15 4.0
¶603514694

MEX Error ellipse: s-maj=8.0km s-min=12.0km az=-1.0.
MEX IX 28 02 35 09.2–.79 16.39N 97.88W 17–19 3.8
¶603514706

MEX Error ellipse: s-maj=16.8km s-min=6.5km az=-1.0.
ISC IX 29 20 18 05.0–.97 16.69N–.07 94.47W–.05 118–9 27 1-36
ISCJB IX 29 20 18 03.7–.72 16.65N–.08 94.43W–.05 123–7 4.1b ¶601869283
NEIC IX 29 20 18 05.5–.97 16.68N 94.44W 112–14 4.1,4.0b
MEX IX 29 20 18 07.0–.93 16.53N 94.47W 112–8 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.3km az=179.6.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.6km az=175.0.
MEX Error ellipse: s-maj=6.7km s-min=8.6km az=-1.0.
MEX IX 30 10 17 33.6–.43 16.84N 94.85W 105–3 3.9
¶603514744

MEX Error ellipse: s-maj=5.8km s-min=3.1km az=-1.0.
MEX IX 30 20 48 05.7–.70 16.31N 95.22W 13–8 3.9
¶603514751

MEX Error ellipse: s-maj=4.1km s-min=4.1km az=-1.0.
MEX IX 30 20 51 30.2–1.6 16.27N 95.18W 16–19 3.7
¶603514753

MEX Error ellipse: s-maj=9.1km s-min=9.7km az=-1.0.
MEX IX 30 22 53 01.7–.80 16.89N 96.52W 73–6 3.7
¶603514756

MEX Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.
MEX X 01 20 38 46.8–.75 16.68N 95.39W 125–26 3.9
¶603775646

MEX Error ellipse: s-maj=10.1km s-min=9.2km az=-1.0.
MEX X 01 23 22 15.3–.92 17.00N 94.26W 148–14 4.0
NEIC X 01 23 22 15.3–.00 17.00N 94.26W 148 4.0 ¶601901404
MEX Error ellipse: s-maj=8.8km s-min=8.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 19 44 52.7–.45 16.23N 98.00W 12–7 3.5
¶603775664

MEX Error ellipse: s-maj=8.7km s-min=10.0km az=-1.0.
MEX X 03 15 56 41.7–.82 16.19N 97.56W 20–536 3.8
¶603775686

MEX Error ellipse: s-maj=483.6km s-min=165.3km az=-1.0.
MEX X 03 18 36 31.9–.34 16.70N 96.78W 47–5 3.6
¶603775689

MEX Error ellipse: s-maj=6.0km s-min=3.7km az=-1.0.
MEX X 04 00 33 45.8–1.2 16.48N 94.36W 131–32 3.8
¶603775698

MEX Error ellipse: s-maj=32.9km s-min=14.0km az=-1.0.
MEX X 04 00 56 39.7–.50 16.01N 97.11W 16–999 3.5
¶603775699

MEX Error ellipse: s-maj=11.2km s-min=6.0km az=-1.0.
MEX X 07 12 02 31.9–1.2 16.63N 95.11W 82–14 4.0
NEIC X 07 12 02 31.9–.00 16.63N 95.11W 82 4.0 ¶601890562
MEX Error ellipse: s-maj=7.4km s-min=7.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 07 15 41 11.0–.67 16.01N 97.71W 20–14 4.0
NEIC X 07 15 41 11.0–.00 16.01N 97.71W 20 4.0 ¶601997391
MEX Error ellipse: s-maj=11.6km s-min=9.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 07 18 27 58.6–.94 16.37N 95.07W 72–15 3.9
¶603775749

MEX Error ellipse: s-maj=7.7km s-min=9.5km az=-1.0.
MEX X 07 19 08 00.6–.50 16.18N 97.34W 17–5 4.1
NEIC X 07 19 08 00.6–.00 16.18N 97.34W 17 4.1 ¶601909975
MEX Error ellipse: s-maj=3.2km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 08 19 05 45.7–.92 16.47N 96.15W 66–17 3.6
¶603775760

MEX Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.
MEX X 09 06 55 09.5–.92 16.02N 97.68W 20–27 3.7
¶603775776

MEX Error ellipse: s-maj=27.7km s-min=11.7km az=-1.0.
MEX X 13 23 25 58.3–1.4 16.01N 97.65W 16–18 3.5
¶603775857

MEX Error ellipse: s-maj=19.6km s-min=9.2km az=-1.0.
MEX X 15 02 02 37.4–.69 16.02N 97.66W 20–8 3.8
¶603775876

MEX Error ellipse: s-maj=5.0km s-min=3.0km az=-1.0.
MEX X 15 22 00 38.2–.31 16.17N 96.12W 50–13 3.6
¶603775885

MEX Error ellipse: s-maj=4.7km s-min=5.7km az=-1.0.
MEX X 16 12 04 22.2–.88 16.77N 95.15W 104–11 4.1
NEIC X 16 12 04 22.2–.00 16.77N 95.15W 104 4.1 ¶601998520
MEX Error ellipse: s-maj=7.7km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
ISC X 16 13 49 58.1–.57 16.03N–.05 94.28W–.03 91–5 4.5b 425 1-146
MEX X 16 13 49 58.5–.64 16.06N 94.38W 2–8 4.3 ¶601836662
IDC X 16 13 49 58.2–.90 16.13N 94.13W 86–6 4.4,4.4
NEIC X 16 13 49 59.6–.24 16.16N 94.03W 96 4.5b,4.3
ISC Event type se.
MEX Error ellipse: s-maj=3.8km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=7.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=32.0.
MEX X 17 16 18 09.9–.92 16.85N 94.98W 30 3.9
¶603775918

MEX Error ellipse: s-maj=5.1km s-min=6.1km az=-1.0.
MEX X 18 12 07 19.4–.83 16.73N 95.20W 89–12 3.9
¶603775931

MEX Error ellipse: s-maj=9.7km s-min=4.9km az=-1.0.
MEX X 20 03 36 36.8–.85 17.73N 95.41W 124–26 4.2
NEIC X 20 03 36 36.8–.00 17.73N 95.41W 124 4.2 ¶601999003
MEX Error ellipse: s-maj=11.4km s-min=8.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 20 05 28 54.3–.38 17.88N 97.84W 57–3 3.5
¶603775954

MEX Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0.
ISC X 22 23 35 06.0–.86 17.81N–.04 97.71W–.04 65 87 1-60
ISCJB X 22 23 35 04.2–.35 17.89N–.04 97.71W–.05 65 ¶601999318
NEIC X 22 23 35 07.5–.00 17.84N 97.70W 65 4.3
MEX X 22 23 35 07.5–.86 17.84N 97.70W 65–5 4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.6km az=22.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
MEX X 23 02 18 02.4–.41 16.51N 95.24W 56–7 3.6
¶603776012

MEX Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
MEX X 23 02 55 25.4–1.5 16.35N 97.92W 10–19 3.6
¶603776013

MEX Error ellipse: s-maj=9.8km s-min=11.7km az=-1.0.
MEX X 24 11 14 09.5–.76 17.38N 95.65W 112–9 3.7
¶603776032

MEX Error ellipse: s-maj=5.4km s-min=3.5km az=-1.0.
MEX X 26 06 43 37.1–.59 16.23N 96.06W 10–6 3.9
¶603776065

MEX Error ellipse: s-maj=2.6km s-min=4.8km az=-1.0.
MEX X 27 04 52 32.5–.96 16.17N 94.66W 60 3.9
¶603776084

MEX Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
MEX X 27 19 11 33.3–.89 16.83N 95.10W 110–8 4.2
NEIC X 27 19 11 33.3–.00 16.83N 95.10W 110 4.2 ¶602031556
MEX Error ellipse: s-maj=7.6km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 28 09 38 21.0–.59 16.30N 97.97W 4–10 3.6
¶603776149

MEX Error ellipse: s-maj=5.8km s-min=5.5km az=-1.0.
MEX X 28 10 15 40.4–.72 16.35N 97.70W 20–4 4.0
NEIC X 28 10 15 40.4–.00 16.35N 97.70W 20 4.0,3.9b ¶601906475
MEX Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 28 10 41 22.2–.35 16.79N 96.45W 54–5 3.8
¶603776150

MEX Error ellipse: s-maj=3.8km s-min=6.3km az=-1.0.
MEX X 28 12 44 28.6–.56 16.70N 96.21W 73–11 3.7
¶603776151

MEX Error ellipse: s-maj=3.9km s-min=3.9km az=-1.0.
MEX X 30 07 50 53.7–1.1 16.13N 97.57W 16–31 3.6
¶603776447

MEX Error ellipse: s-maj=17.6km s-min=9.6km az=-1.0.
MEX X 30 09 19 28.2–.76 17.32N 95.07W 142–10 3.8
¶603776448

MEX Error ellipse: s-maj=21.2km s-min=6.9km az=-1.0.
MEX X 31 20 57 03.2–.29 16.99N 96.48W 62–3 3.7
¶603776623

MEX Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
MEX XI 01 13 03 26.9–.78 16.90N 96.42W 76–7 3.6
¶603826473

MEX Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.
MEX XI 01 16 06 21.2–.47 16.63N 94.92W 91–6 3.8
¶603826477

MEX Error ellipse: s-maj=4.9km s-min=2.6km az=-1.0.
MEX XI 02 06 43 14.7–.82 16.12N 97.98W 8–10 3.6
¶603826483

MEX Error ellipse: s-maj=9.3km s-min=11.9km az=-1.0.
MEX XI 03 18 56 38.4–1.0 16.46N 97.87W 3–6 3.6
¶603826504

MEX Error ellipse: s-maj=4.0km s-min=3.8km az=-1.0.
MEX XI 04 04 42 01.0–.39 16.57N 96.30W 67–5 3.7
¶603826514

MEX Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
MEX XI 05 22 37 04.0–.51 16.75N 96.73W 57–13 3.8
¶603826537

MEX Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0.
ISC XI 06 17 32 04.6–1.2 16.54N–.04 97.93W–.03 3–8 4.4b 293 0-141
ISCJB XI 06 17 32 03.4–.86 16.48N–.04 97.84W–.02 8–6 4.3b,3.3s ¶601876335
IDC XI 06 17 32 05.5–1.3 16.82N 97.71W 0 4.2,4.0
MEX XI 06 17 32 05.6–.58 16.27N 98.00W 5 3.6,4.0
NEIC XI 06 17 32 10.1–.73 16.60N 97.86W 41–5 4.3b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=10.6.
IDC Error ellipse: s-maj=41.2km s-min=15.3km az=37.0.
MEX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.2km az=201.0. Felt at Tlaxiaco.
MEX XI 07 07 46 43.3–.88 16.03N 96.68W 20–21 4.0
NEIC XI 07 07 46 43.3–.00 16.03N 96.68W 20 4.0 ¶602054267
MEX Error ellipse: s-maj=3.6km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 11 04 50 09.5–.59 16.43N 94.71W 70–11 4.0
NEIC XI 11 04 50 08.8–.00 16.59N 94.66W 90 4.0 ¶602054302
MEX Error ellipse: s-maj=5.5km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 11 08 17 13.0–.49 16.95N 94.84W 109–3 3.9
¶603826641

MEX Error ellipse: s-maj=3.1km s-min=1.7km az=-1.0.
MEX XI 12 19 00 56.8–.47 16.30N 97.99W 2–3 3.7
¶603826675

MEX Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
MEX XI 16 15 05 45.7–.45 16.26N 94.84W 81–7 3.6
¶603826748

MEX Error ellipse: s-maj=2.9km s-min=1.6km az=-1.0.
MEX XI 19 09 31 27.1–.87 16.12N 97.61W 15–13 3.6
¶603826774

MEX Error ellipse: s-maj=7.8km s-min=9.5km az=-1.0.
MEX XI 19 19 42 15.1–.66 16.31N 97.90W 33–6 3.7
¶603826776

MEX Error ellipse: s-maj=3.7km s-min=6.5km az=-1.0.
MEX XI 19 22 00 17.1–.55 16.31N 97.79W 5 3.8
¶603826778

MEX Error ellipse: s-maj=4.3km s-min=2.4km az=-1.0.
ISC XI 20 03 33 42.2–2.3 16.10N–.05 97.01W–.03 1–15 4.3b 85 1-59
ISCJB XI 20 03 33 43.0–1.2 16.24N–.05 96.91W–.03 7–8 4.3b ¶601993085
IDC XI 20 03 33 44.3–3.9 16.34N 96.97W 0 3.9,3.6
MEX XI 20 03 33 46.9–.54 16.06N 97.00W 37–9 4.2,3.6
NEIC XI 20 03 33 47.7–.00 16.11N 97.02W 27 4.3b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.1km az=15.9.
IDC Error ellipse: s-maj=67.9km s-min=15.4km az=179.0.
MEX Error ellipse: s-maj=5.2km s-min=3.0km az=-1.0.

NEIC Event type fe. Felt at Oaxaca, San Francisco Lachigolo and San Luis Beltran. After MEX.
MEX XI 20 13 02 11.9–.56 17.82N 97.60W 62–5 3.7
¶603826781

MEX Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
MEX XI 20 19 51 47.5–.83 16.81N 94.65W 126–8 4.1
NEIC XI 20 19 51 48.5–.00 16.89N 94.78W 124 4.1 **¶602042668**
MEX Error ellipse: s-maj=8.5km s-min=7.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 21 10 39 08.3–.60 17.51N 96.76W 78–4 4.0
NEIC XI 21 10 39 08.2–.00 17.51N 96.76W 80 4.0 **¶602082077**
MEX Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 22 01 45 57.1–.54 16.69N 94.00W 166–5 4.2
NEIC XI 22 01 45 57.4–.00 16.66N 94.03W 165 4.2 **¶602210408**
MEX Error ellipse: s-maj=7.8km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 22 16 45 52.7–.58 16.30N 96.12W 90–8 4.0
¶603826797

MEX Error ellipse: s-maj=4.8km s-min=5.1km az=-1.0.
MEX XI 22 21 57 07.2–1.0 16.69N 95.16W 94–9 3.9
¶603826800

MEX Error ellipse: s-maj=5.2km s-min=5.0km az=-1.0.
MEX XI 24 09 51 34.5–.81 16.24N 94.98W 68–11 4.2
NEIC XI 24 09 51 35.2–.00 16.23N 94.96W 56 4.2,4.0b **¶602082454**
MEX Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 24 23 03 53.8–.44 16.39N 97.95W 12–7 3.5
¶603826818

MEX Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0.
MEX XI 25 18 51 45.4–.66 16.29N 97.90W 5 3.6
¶603826832

MEX Error ellipse: s-maj=3.9km s-min=2.4km az=-1.0.
MEX XI 26 17 54 07.1–.87 17.26N 95.01W 140–8 3.8
¶603826854

MEX Error ellipse: s-maj=8.7km s-min=4.3km az=-1.0.
MEX XI 29 12 00 39.9–.51 16.28N 97.88W 10 3.7
¶603826883

MEX Error ellipse: s-maj=6.1km s-min=2.1km az=-1.0.
MEX XI 30 15 43 35.0–.60 16.33N 95.21W 57–12 3.8
¶603826899

MEX Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.
MEX XI 30 18 57 21.1–.63 17.07N 95.43W 110–6 3.8
¶603826902

MEX Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
MEX XII 01 00 20 26.4–.95 16.67N 94.37W 112–14 3.7
¶603931917

MEX Error ellipse: s-maj=11.1km s-min=7.0km az=-1.0.
MEX XII 03 06 13 59.7–.47 16.05N 97.93W 16–999 3.8
¶603931930

MEX Error ellipse: s-maj=5.0km s-min=8.6km az=-1.0.
MEX XII 04 00 57 22.7–.36 16.33N 97.86W 2 3.9
¶603931947

MEX Error ellipse: s-maj=3.2km s-min=1.5km az=-1.0.
MEX XII 05 00 04 40.2–.58 16.08N 97.98W 6–19 3.7
¶603931957

MEX Error ellipse: s-maj=13.3km s-min=19.4km az=-1.0.
MEX XII 05 13 15 23.9–.63 16.73N 94.47W 118–11 3.7
¶603931964

MEX Error ellipse: s-maj=7.2km s-min=3.0km az=-1.0.
MEX XII 06 22 04 11.3–.37 16.25N 97.98W 5 3.5
¶603931980

MEX Error ellipse: s-maj=4.2km s-min=1.9km az=-1.0.
MEX XII 07 21 03 05.3–.25 16.28N 97.96W 1 3.6
¶603931994

MEX Error ellipse: s-maj=2.1km s-min=1.1km az=-1.0.
MEX XII 08 22 03 28.7–.69 16.42N 96.23W 57–10 4.0
NEIC XII 08 22 03 28.7–.00 16.42N 96.23W 57 4.0 **¶602320151**
MEX Error ellipse: s-maj=3.2km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 11 09 01 57.3–.35 16.25N 97.35W 2–6 3.7
¶603932014

MEX Error ellipse: s-maj=3.7km s-min=6.9km az=-1.0.
MEX XII 11 09 38 28.1–.88 16.11N 97.53W 9 3.6
¶603932015

MEX Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.
MEX XII 11 15 58 03.7–.94 16.98N 94.88W 127–8 3.9
¶603932021

MEX Error ellipse: s-maj=10.0km s-min=4.9km az=-1.0.
MEX XII 12 02 02 56.4–.57 17.49N 95.15W 129–7 3.9
¶603932025

MEX Error ellipse: s-maj=8.2km s-min=4.2km az=-1.0.
MEX XII 12 16 41 47.5–.34 16.06N 96.98W 44–3 3.7
¶603932030

MEX Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
MEX XII 13 04 28 56.4–.72 17.70N 95.56W 10–14 3.9
¶603932032

MEX Error ellipse: s-maj=10.1km s-min=4.6km az=-1.0.
MEX XII 13 07 11 29.7–.73 16.92N 94.87W 127–6 4.1
NEIC XII 13 07 11 29.7–.00 16.92N 94.87W 127 4.1 **¶602347521**
MEX Error ellipse: s-maj=9.0km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 13 10 39 11.4–.66 16.24N 97.36W 40–10 3.7
¶603932035

MEX Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0.
MEX XII 14 05 33 41.8–.52 17.17N 95.17W 122–6 4.0
NEIC XII 14 05 33 41.8–.00 17.17N 95.17W 122 4.0 **¶602330626**
MEX Error ellipse: s-maj=6.2km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 14 06 02 09.2–.76 16.10N 97.52W 8–20 3.8
¶603932044

MEX Error ellipse: s-maj=12.6km s-min=5.8km az=-1.0.
MEX XII 14 10 02 05.4–.51 16.32N 97.86W 1 3.6
¶603932045

MEX Error ellipse: s-maj=3.4km s-min=1.7km az=-1.0.
MEX XII 14 10 29 06.4–.71 16.07N 97.53W 20–36 3.7
¶603932046

MEX Error ellipse: s-maj=8.7km s-min=6.7km az=-1.0.
MEX XII 14 18 30 46.9–.96 17.49N 95.06W 137–9 3.8
¶603932048

MEX Error ellipse: s-maj=9.0km s-min=4.6km az=-1.0.
MEX XII 15 02 45 53.0–.72 16.52N 94.98W 19–28 4.1
NEIC XII 15 02 45 53.0–.00 16.52N 94.98W 19 4.1 **¶602340342**
MEX Error ellipse: s-maj=4.7km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 15 13 37 29.8–.78 16.32N 97.85W 1–5 3.7
¶603932058

MEX Error ellipse: s-maj=3.2km s-min=2.6km az=-1.0.
MEX XII 16 01 46 46.0–.82 16.94N 95.32W 97–8 3.9
¶603932061

MEX Error ellipse: s-maj=5.9km s-min=4.0km az=-1.0.
MEX XII 17 12 04 29.9–.73 17.18N 96.51W 72–5 3.7
¶603932070

MEX Error ellipse: s-maj=9.6km s-min=6.5km az=-1.0.
MEX XII 18 00 44 48.6–.58 17.61N 95.20W 130–8 3.7
¶603932076

MEX Error ellipse: s-maj=8.8km s-min=4.6km az=-1.0.
ISC XII 18 01 38 22.8–.32 16.13N–.03 95.74W–.03 31 4.8b,4.5s 701 1-146
UCR XII 18 01 38 17.0–1.3 16.51N 95.88W 4–138 4.8b,4.3L **¶602046742**
IDC XII 18 01 38 17.6–.61 16.14N 95.67W 0 4.5,4.5
MOS XII 18 01 38 22.1–1.3 16.23N 95.51W 33 4.9b,4.5
ISCJB XII 18 01 38 23.2–.22 16.48N–.02 95.45W–.02 31 4.7b,4.5s
MEX XII 18 01 38 23.0–1.1 16.03N 95.72W 44–17 5.3,4.5s
NEIC XII 18 01 38 23.0–.00 16.03N 95.72W 42 5.3,4.8b
GCMT XII 18 01 38 25.0–.20 16.31N–.01 95.70W–.02 26–0 5.3W,4.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Huatulco. Also felt at Acatzingo, Ixtac Zoquitlan, Mazatlan de Flores, Oaxaca, Ocotlan, San Miguel del Puerto, Santa Ana del Valle, Santa Maria Huatulco, Lachiguiri and Tehuantepec. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c96; s96,c158;Duration: 1↑1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$0.48±.01; $M_{r\theta}$0.83±.05; $M_{\theta\phi}$-0.37±.01; $M_{\phi r}$-0.32±.03; Best double couple: NP1:ϕ_s297.00000°,δ83.00000° ,λ-120.00000°. NP2:ϕ_s195.00000°,δ31.00000°,λ-14.00000°. Principal axes:
T 1.0230,Plg32.0000°,Azm52.0000°; N 0.0460,Plg30.0000°,Azm301.0000°
; P -1.0700,Plg44.0000°,Azm178.0000° $M_0$1.04700×10^{17}
ISC XII 18 01 47 10.6–.46 16.11N–.05 95.69W–.04 31 4.4b 218 1-132
ISCJB XII 18 01 47 09.3–.34 16.14N–.04 95.63W–.03 31 4.3b **¶602391583**
MEX XII 18 01 47 11.5–.96 16.05N 95.72W 9–36 4.3
NEIC XII 18 01 47 12.6–.00 16.08N 95.81W 10 4.4b,4.3
IDC XII 18 01 47 12.8–2.8 16.15N 95.66W 50–23 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=6.7.
MEX Error ellipse: s-maj=32.2km s-min=28.0km az=-1.0.
NEIC Event type fe. Felt at Huatulco. After MEX.
IDC Error ellipse: s-maj=22.8km s-min=11.5km az=55.0.
MEX XII 18 03 46 59.7–.54 16.77N 95.25W 156–16 3.9
¶603932081

MEX Error ellipse: s-maj=8.5km s-min=6.0km az=-1.0.
MEX XII 21 07 45 37.1–.42 16.15N 96.87W 45–5 3.5
¶603932109

MEX Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
MEX XII 21 10 49 00.4–.84 16.80N 94.82W 118–9 4.1
¶603932110

MEX Error ellipse: s-maj=8.7km s-min=8.4km az=-1.0.
MEX XII 21 19 51 33.9–.75 16.13N 97.53W 20–69 3.8
¶603932112

MEX Error ellipse: s-maj=6.7km s-min=4.4km az=-1.0.
MEX XII 23 07 06 13.7–.38 17.57N 95.17W 3 4.0
NEIC XII 23 07 06 13.7–.00 17.57N 95.17W 3 4.0 **¶602391897**
MEX Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 23 20 00 37.5–.95 17.39N 95.48W 128–11 4.0
NEIC XII 23 20 00 37.5–.00 17.39N 95.48W 128 4.0 **¶602374106**
MEX Error ellipse: s-maj=9.4km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 24 13 11 49.6–.74 16.14N 97.18W 8–11 3.6
¶603932138

MEX Error ellipse: s-maj=6.3km s-min=5.7km az=-1.0.
MEX XII 25 10 16 12.0–.71 16.21N 97.93W 2 3.8
¶603932144

MEX Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
MEX XII 25 18 28 59.5–.58 16.71N 94.71W 109–9 3.9
¶603932148

MEX Error ellipse: s-maj=11.3km s-min=4.2km az=-1.0.
MEX XII 28 18 53 44.1–.51 16.21N 97.57W 34–9 3.6
¶603932169

MEX Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
MEX XII 29 01 33 52.7–.74 16.07N 97.66W 2–7 3.8
¶603932174

MEX Error ellipse: s-maj=7.0km s-min=4.1km az=-1.0.
MEX XII 29 11 05 41.3–1.1 16.32N 94.28W 101–13 4.2
NEIC XII 29 11 05 42.0–.00 16.30N 94.31W 85 4.2 **¶602347383**
MEX Error ellipse: s-maj=9.8km s-min=6.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 29 14 02 07.6–.62 17.10N 95.04W 132–6 3.9
¶603932176

MEX Error ellipse: s-maj=5.3km s-min=5.1km az=-1.0.
MEX XII 29 16 32 28.8–.43 17.20N 95.26W 127–5 3.9
¶603932178

MEX Error ellipse: s-maj=3.4km s-min=3.3km az=-1.0.
MEX XII 30 01 24 32.2–.45 16.89N 95.10W 115–4 4.1
NEIC XII 30 01 24 32.3–.00 16.90N 95.09W 113 4.1 **¶602324121**
MEX Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 30 02 40 39.9–.48 16.13N 97.56W 10–4 3.9
¶603932181

MEX Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
MEX XII 30 08 18 51.8–.39 17.54N 96.68W 85–5 3.8
¶603932183

MEX Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
MEX XII 30 08 25 09.2–.48 16.05N 97.60W 16–6 4.0
NEIC XII 30 08 25 09.2–.00 16.05N 97.60W 16 4.0 **¶602392054**
MEX Error ellipse: s-maj=3.4km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.

(61) Chiapas.
MEX VII 06 09 01 21.3–1.2 17.43N 94.81W 146–9 3.8
¶603312230

MEX Error ellipse: s-maj=6.8km s-min=5.0km az=-1.0.
MEX VII 17 02 32 52.6–1.2 17.26N 94.78W 153–19 4.0
¶603312376

MEX Error ellipse: s-maj=13.9km s-min=4.5km az=-1.0.
MEX VII 21 08 10 56.2–.69 17.20N 94.60W 166–12 3.9
¶603312408

MEX Error ellipse: s-maj=8.2km s-min=3.7km az=-1.0.
ISC VII 28 22 10 11.9–.74 17.10N–.08 94.14W–.05 160–7 3.5b 22 1-135
ISCJB VII 28 22 10 10.9–.56 17.06N–.07 94.13W–.05 164–5 3.6b **¶601666591**
IDC VII 28 22 10 11.0–1.3 17.11N 93.89W 149–16 3.8,3.6
MEX VII 28 22 10 14.3–.49 17.15N 94.08W 153–5 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.1km az=26.2.
IDC Error ellipse: s-maj=57.0km s-min=17.7km az=47.0.
MEX Error ellipse: s-maj=4.2km s-min=3.9km az=-1.0.
MEX VIII 03 04 47 52.8–.53 17.05N 94.62W 144–12 3.6
¶604033328

MEX Error ellipse: s-maj=10.0km s-min=3.1km az=-1.0.
MEX VIII 04 03 43 57.6–.44 17.21N 94.84W 125–7 4.2
¶604033339

MEX Error ellipse: s-maj=3.9km s-min=2.4km az=-1.0.
MEX VIII 06 10 54 54.4–.77 17.10N 94.75W 186–13 4.1
NEIC VIII 06 10 54 54.4–.00 17.10N 94.75W 186 4.1 **¶601734797**
MEX Error ellipse: s-maj=9.4km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 12 01 37 53.6–.77 17.03N 94.81W 110–20 4.1
NEIC VIII 12 01 37 53.6–.00 17.03N 94.81W 110 4.1 **¶601736111**
MEX Error ellipse: s-maj=9.0km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 13 05 24 46.2–.67 17.50N 94.60W 193–16 4.0
NEIC VIII 13 05 24 46.2–.00 17.50N 94.60W 193 4.0 **¶601734906**
MEX Error ellipse: s-maj=13.1km s-min=9.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 17 00 59 45.5–.58 17.72N 94.91W 133–16 3.7
¶604033431

MEX Error ellipse: s-maj=9.2km s-min=3.8km az=-1.0.
ISC IX 01 18 01 48.4–.26 16.32N–.03 92.63W–.03 251–1 5.0b 1956 0-160
MOS IX 01 18 01 47.6–.94 16.43N 92.46W 249 5.0b **¶601670036**
UCR IX 01 18 01 47.7–3.0 16.78N 92.47W 237–21 5.3b,4.5L
BJI IX 01 18 01 47.0 16.40N 92.40W 232 5.1b,4.5L
ISCJB IX 01 18 01 48.7–.18 16.42N–.01 92.48W–.01 263–1 4.9b,4.5L
MEX IX 01 18 01 48.2–.67 16.23N 92.77W 257–4 5.4,4.5L
NEIC IX 01 18 01 48.2–.00 16.23N 92.77W 257 5.5W,5.4

IDC IX 01 18 01 49.0–.40 16.43N 92.37W 250–3 5.1,4.6
GCMT IX 01 18 01 50.2–.10 16.42N–.01 92.61W–.01 251–0 5.5W,4.6
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Venustiano Carranza. After MEX. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.31 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.37 $M_{\theta\phi}$0.16 $M_{\phi r}$-2.10 Best double couple: NP1:ϕ_s170.00000°,δ86.00000°,λ93.00000°. NP2:ϕ_s317.00000°,δ5.00000°,λ57.00000°. Principal axes: T 2.1500,Plg49.0000°,Azm83.0000° ; N 0.0200,Plg3.0000°,Azm350.0000°; P -2.1700,Plg41.0000°,Azm257.0000° M_o2.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c192; s126,c210;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-0.28±.03; $M_{\phi\phi}$0.28±.03; $M_{r\theta}$0.37±.02; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$-2.06±.02; Best double couple: NP1:ϕ_s350.00000°,δ88.00000°,λ-90.00000°. NP2:ϕ_s172.00000°,δ2.00000°,λ-87.00000°. Principal axes: T 2.2470,Plg43.0000° ,Azm80.0000°; N -0.2960,Plg0.0000°,Azm350.0000°; P -1.9510,Plg47.0000°,Azm260.0000° M_o2.09900×10^{17}
MEX IX 07 07 43 34.8–.57 16.46N 93.64W 148–5 3.8
¶603514374
MEX Error ellipse: s-maj=4.0km s-min=2.7km az=-1.0.
MEX IX 07 10 49 27.3–.68 17.09N 94.86W 147–14 3.6
¶603514375
MEX Error ellipse: s-maj=7.8km s-min=3.1km az=-1.0.
MEX IX 08 00 32 08.7–.81 17.03N 94.43W 165–14 3.9
¶603514384
MEX Error ellipse: s-maj=10.3km s-min=4.4km az=-1.0.
MEX IX 11 03 42 30.9–.75 16.01N 92.77W 208–9 3.5
¶603514414
MEX Error ellipse: s-maj=9.2km s-min=14.3km az=-1.0.
MEX IX 19 11 53 19.8–.74 17.47N 94.86W 140–6 3.7
¶603514525
MEX Error ellipse: s-maj=5.2km s-min=3.6km az=-1.0.
ISC IX 20 16 58 44.4–.64 17.65N–.04 94.99W–.03 128–6 4.2b 283 1-133
ISCJB IX 20 16 58 42.9–.25 17.67N–.04 94.86W–.03 134–3 4.3b **¶601846441**
IDC IX 20 16 58 44.2–.53 17.68N 94.81W 119–13 4.1,3.9
NEIC IX 20 16 58 45.4–.00 17.62N 95.01W 137 4.3,4.3b
MEX IX 20 16 58 45.5–.57 17.61N 95.01W 135–5 4.2,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=10.6.
IDC Error ellipse: s-maj=35.9km s-min=13.6km az=31.0.
NEIC Event type fe. Felt at Sayula. After MEX.
MEX Error ellipse: s-maj=3.6km s-min=1.7km az=-1.0.
MEX IX 26 16 25 19.3–.45 16.05N 92.29W 179–7 3.8
¶603514658
MEX Error ellipse: s-maj=5.4km s-min=6.5km az=-1.0.
MEX IX 27 12 14 16.4–.55 17.29N 94.05W 187–7 4.1
¶603514686
MEX Error ellipse: s-maj=5.3km s-min=4.2km az=-1.0.
NEIC IX 29 05 00 40.2–.00 17.14N 94.58W 139 4.0
MEX IX 29 05 00 40.3–.61 17.19N 94.52W 142–9 4.0 **¶601833051**
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.9km s-min=3.4km az=-1.0.
MEX X 11 20 28 29.3–1.4 17.10N 94.88W 133–11 4.0
NEIC X 11 20 28 29.3–.00 17.10N 94.88W 133 4.0 **¶601997925**
MEX Error ellipse: s-maj=11.3km s-min=5.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 20 13 10 57.8–.32 16.29N 93.34W 154–6 3.7
¶603775959
MEX Error ellipse: s-maj=9.1km s-min=6.8km az=-1.0.
MEX X 21 13 03 54.5–.33 17.26N 94.34W 160–4 4.1
¶603775980
MEX Error ellipse: s-maj=5.6km s-min=4.9km az=-1.0.
MEX X 22 17 45 52.8–.55 17.27N 94.15W 175–9 4.1
NEIC X 22 17 45 52.8–.00 17.27N 94.15W 175 4.1 **¶601999296**
MEX Error ellipse: s-maj=7.3km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 02 08 25 19.8–.65 17.08N–.05 94.68W–.03 120–6 4.1b 312 0-134
IDC XI 02 08 25 18.7–.54 17.10N 94.51W 109–6 4.1,3.9 **¶602037392**
ISCJB XI 02 08 25 19.4–.27 17.20N–.03 94.52W–.02 122–3 4.1b,3.9
MEX XI 02 08 25 20.6–.58 17.03N 94.70W 125–7 4.2,3.9
NEIC XI 02 08 25 20.6–.00 17.03N 94.70W 125 4.2,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=9.8km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=30.1.
MEX Error ellipse: s-maj=3.4km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 03 09 06 49.2–.60 17.15N 94.66W 136–12 3.9
¶603826496
MEX Error ellipse: s-maj=6.2km s-min=2.9km az=-1.0.
MEX XI 06 21 00 32.8–.56 17.33N 94.65W 146–4 4.2
NEIC XI 06 21 00 32.8–.00 17.33N 94.65W 146 4.2 **¶602051296**
MEX Error ellipse: s-maj=7.1km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 14 00 42 58.5–1.1 17.40N–.03 93.48W–.03 5–7 4.7b,3.9s 510 1-135
IDC XI 14 00 42 57.5–.56 17.37N 93.46W 0 4.6L,4.3 **¶601891458**
ISCJB XI 14 00 42 58.6–1.1 17.48N–.02 93.40W–.02 8–7 4.5b,3.9s
NEIC XI 14 00 43 01.4–.89 17.36N 93.40W 21–7 4.7,4.6b
MEX XI 14 00 43 03.7–.60 17.39N 93.51W 20–22 4.7,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=10.1km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=142.7.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=49.0. Felt at Villahermosa.
MEX Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0.
MEX XI 15 05 56 28.9–.46 17.35N 93.64W 15 3.7
¶603826710
MEX Error ellipse: s-maj=7.6km s-min=7.5km az=-1.0.
MEX XI 18 00 43 32.8–.62 17.44N 94.90W 140–5 3.9
¶603826764
MEX Error ellipse: s-maj=6.4km s-min=2.8km az=-1.0.
MEX XI 19 22 24 48.6–.47 17.62N 93.28W 5 4.3
NEIC XI 19 22 24 48.7–.00 17.77N 93.23W 10 4.3 **¶602059986**
MEX Error ellipse: s-maj=6.2km s-min=5.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 20 11 30 04.7–.47 16.91N 93.95W 167–5 4.0
NEIC XI 20 11 30 04.5–.00 16.88N 93.95W 168 4.0 **¶602210401**
MEX Error ellipse: s-maj=4.5km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 27 13 16 46.2–.58 16.03N 92.75W 235–5 3.7
¶603826863
MEX Error ellipse: s-maj=6.3km s-min=5.6km az=-1.0.
MEX XI 28 06 06 03.0–.76 17.54N 94.68W 166–7 4.0
NEIC XI 28 06 06 03.1–.00 17.53N 94.67W 167 4.0 **¶602216525**
MEX Error ellipse: s-maj=6.6km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 02 08 22 18.7–.47 17.15N 94.64W 152–4 4.0
NEIC XII 02 08 22 18.7–.00 17.15N 94.64W 151 4.0 **¶602320134**
MEX Error ellipse: s-maj=8.0km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 04 11 06 16.8–.49 17.35N–.04 94.93W–.03 139–4 4.2b 325 0-134
ISCJB XII 04 11 06 15.1–.25 17.33N–.03 94.83W–.03 144–3 4.1b **¶602323563**
NEIC XII 04 11 06 16.7–.47 17.34N 94.86W 137–6 4.4,4.3b
IDC XII 04 11 06 17.0–.51 17.37N 94.69W 133–4 4.1,3.8
MEX XII 04 11 06 18.5–.61 17.32N 94.90W 134–5 4.4,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=14.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.9km az=191.0.
IDC Error ellipse: s-maj=18.0km s-min=8.9km az=55.0.
MEX Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
MEX XII 13 08 29 42.3–.74 17.28N 94.64W 169–6 4.1
NEIC XII 13 08 29 42.3–.00 17.28N 94.64W 169 4.1 **¶602347522**
MEX Error ellipse: s-maj=8.5km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 14 04 52 53.1–.96 17.30N 94.75W 144–7 4.0
NEIC XII 14 04 52 53.1–.00 17.30N 94.75W 144 4.0 **¶602340338**
MEX Error ellipse: s-maj=14.8km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 20 16 44 03.4–.74 17.54N 94.90W 148–12 3.8
¶603932101
MEX Error ellipse: s-maj=9.6km s-min=9.1km az=-1.0.
ISC XII 22 07 00 40.2–.60 16.76N–.05 93.70W–.04 165–6 4.3b 323 1-135
IDC XII 22 07 00 38.7–.56 16.87N 93.48W 146–7 4.2,4.0 **¶602341731**
ISCJB XII 22 07 00 40.0–.26 16.78N–.03 93.58W–.03 175–2 4.3b,4.0
NEIC XII 22 07 00 40.7–.30 16.74N 93.60W 163–3 4.4b,4.3
MEX XII 22 07 00 42.5–.60 16.80N 93.78W 159–7 4.3,4.3
ISC Event type fe.
IDC Error ellipse: s-maj=18.4km s-min=7.0km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=14.4.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=208.0. Felt at Tuxtla Gutierrez.
MEX Error ellipse: s-maj=9.6km s-min=4.2km az=-1.0.
MEX XII 25 19 33 01.2–.69 16.07N 93.76W 104–12 3.9
¶603932150
MEX Error ellipse: s-maj=5.8km s-min=4.3km az=-1.0.

(62) Mexico-Guatemala border region.

MEX VII 02 05 41 46.0–.35 15.08N 92.98W 74–5 3.7
¶603312181
MEX Error ellipse: s-maj=5.2km s-min=3.8km az=-1.0.
MEX VII 03 17 21 01.5–.70 15.29N 91.97W 175–5 3.6
¶603312196
MEX Error ellipse: s-maj=5.8km s-min=7.5km az=-1.0.
MEX VII 08 12 58 59.0–.52 15.17N 92.81W 107–6 3.8
¶603312258
MEX Error ellipse: s-maj=5.0km s-min=5.3km az=-1.0.
MEX VII 10 21 38 39.8–.45 15.01N 92.51W 117–6 3.6
¶603312297
MEX Error ellipse: s-maj=8.2km s-min=7.5km az=-1.0.
MEX VII 11 03 13 44.3–.51 15.34N 92.29W 157–6 4.0
¶603312307
MEX Error ellipse: s-maj=4.5km s-min=5.5km az=-1.0.
MEX VII 19 15 09 02.9–.83 15.19N 92.90W 127–9 3.8
¶603312392
MEX Error ellipse: s-maj=17.2km s-min=7.0km az=-1.0.
IDC VII 20 15 12 12.1–6.3 15.06N 92.88W 0 3.6,3.5b
¶601664875
IDC Error ellipse: s-maj=173.0km s-min=53.8km az=31.0.
MEX VII 24 10 29 08.7–.35 15.09N 91.83W 170–10 4.0
¶603312454
MEX Error ellipse: s-maj=9.4km s-min=6.3km az=-1.0.
MEX VII 28 19 37 59.2–.86 15.08N 92.93W 85–13 4.0
¶603312521
MEX Error ellipse: s-maj=14.3km s-min=9.5km az=-1.0.
MEX VIII 11 20 22 00.2–.35 15.23N 92.50W 108–5 3.7
¶604033395
MEX Error ellipse: s-maj=3.4km s-min=3.9km az=-1.0.
MEX VIII 13 10 00 32.7–.89 17.57N 91.91W 5 3.7
¶604033408
MEX Error ellipse: s-maj=10.0km s-min=16.7km az=-1.0.
MEX VIII 14 02 58 42.9–.81 15.35N 91.93W 190–9 4.0
¶604033413
MEX Error ellipse: s-maj=8.8km s-min=13.8km az=-1.0.
MEX VIII 31 03 03 12.8–.64 15.32N 92.60W 103–8 3.7
¶604033586
MEX Error ellipse: s-maj=9.3km s-min=7.6km az=-1.0.
MEX IX 11 08 33 49.1–.55 15.28N 92.00W 181–4 4.0
NEIC IX 11 08 33 49.1–.00 15.28N 92.00W 181 4.0 **¶601819762**
MEX Error ellipse: s-maj=4.5km s-min=7.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 18 08 58 01.8–.46 16.04N 91.22W 26–11 3.5
¶603514507
MEX Error ellipse: s-maj=4.1km s-min=6.7km az=-1.0.
MEX IX 20 10 58 53.0–.53 15.04N 91.69W 179–5 3.6
¶603514537
MEX Error ellipse: s-maj=7.8km s-min=9.7km az=-1.0.
MEX IX 21 10 18 51.7–.58 15.04N 92.79W 104–8 3.6
¶603514557
MEX Error ellipse: s-maj=6.7km s-min=7.2km az=-1.0.
MEX IX 23 08 24 05.0–.97 15.05N 92.98W 80–11 3.7
¶603514597
MEX Error ellipse: s-maj=9.8km s-min=8.6km az=-1.0.
MEX IX 24 11 12 36.1–.45 15.18N 92.70W 101–4 3.7
¶603514610
MEX Error ellipse: s-maj=4.5km s-min=3.9km az=-1.0.
MEX IX 25 13 43 46.9–.49 15.00N 92.57W 110–5 3.6
¶603514625
MEX Error ellipse: s-maj=5.8km s-min=4.8km az=-1.0.
MEX IX 27 12 59 10.5–.33 15.18N 92.32W 25–5 3.7
¶603514688
MEX Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
ISC IX 27 13 14 28.8–.64 15.31N–.07 91.67W–.05 225–5 4.2b 219 1-145
ISCJB IX 27 13 14 27.7–.45 15.25N–.05 91.69W–.04 230–3 4.2b **¶601751148**
IDC IX 27 13 14 30.7–.60 15.45N 91.22W 231–3 4.1,3.7
MEX IX 27 13 14 32.3–.83 15.19N 91.90W 218–8 4.1,3.7
NEIC IX 27 13 14 32.1–.00 15.34N 91.59W 209 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=30.6.
IDC Error ellipse: s-maj=25.8km s-min=10.5km az=51.0.
MEX Error ellipse: s-maj=8.6km s-min=8.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 12 07 27 37.1–.50 16.42N 91.33W 20 3.6
¶603775833
MEX Error ellipse: s-maj=4.5km s-min=5.0km az=-1.0.
MEX X 12 09 19 19.7–.45 16.43N 91.34W 16–120 3.5
¶603775835
MEX Error ellipse: s-maj=63.4km s-min=93.6km az=-1.0.
MEX X 12 16 30 26.5–.34 16.10N 90.99W 20 3.7
¶603775838
MEX Error ellipse: s-maj=4.3km s-min=6.5km az=-1.0.
MEX X 25 09 58 57.6–.45 15.87N 92.75W 177–4 3.7
¶603776053
MEX Error ellipse: s-maj=4.4km s-min=4.6km az=-1.0.
MEX X 27 23 39 48.7–.76 15.80N 91.39W 26–999 3.9
¶603776098
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX XI 01 12 13 07.4–.57 15.17N 92.62W 108–6 3.6
¶603826471
MEX Error ellipse: s-maj=5.9km s-min=5.0km az=-1.0.
MEX XI 04 21 00 35.0–.82 15.44N 92.19W 146–7 3.7
¶603826522
MEX Error ellipse: s-maj=7.8km s-min=8.2km az=-1.0.
ISC XI 10 16 22 57.8–1.1 15.16N–.07 92.13W–.06 55–11 15 0-145
IDC XI 10 16 22 43.6–3.4 13.86N 92.32W 0 3.8,3.8s **¶602389164**
MEX XI 10 16 22 52.7–.53 14.97N 92.08W 100–4 3.9,3.8s
ISCJB XI 10 16 22 55.5–1.1 15.11N–.07 92.11W–.08 67–10 3.2b,3.8s
ISC Event type ke.
ISCJB Event type ke.
MEX XI 12 15 43 27.4–.53 15.24N 92.60W 112–7 3.7
¶603826674
MEX Error ellipse: s-maj=6.6km s-min=7.4km az=-1.0.
IDC XI 13 12 55 02.2–9.4 15.59N 91.66W 0 3.9,3.8b
¶602389344
IDC Error ellipse: s-maj=338.0km s-min=42.1km az=40.0.
IDC XI 21 02 17 58.5–3.6 15.51N 92.27W 0 4.0,3.7

¶602389763
IDC Error ellipse: s-maj=114.9km s-min=23.0km az=29.0.
MEX XI 23 06 48 06.6–.49 15.05N 92.79W 108–5 3.9

¶603826802
MEX Error ellipse: s-maj=4.8km s-min=4.3km az=-1.0.
MEX XI 24 01 24 18.9–.97 15.39N 91.84W 163–15 3.7

¶603826811
MEX Error ellipse: s-maj=28.2km s-min=25.1km az=-1.0.
ISC XI 28 04 31 28.6–.50 15.60N–.05 92.54W–.05 155–5 4.2b 284 1-135
ISCJB XI 28 04 31 27.8–.30 15.59N–.03 92.49W–.03 151–3 4.2b ¶602216531
MEX XI 28 04 31 28.5–.85 15.58N 92.62W 158–6 4.0
NEIC XI 28 04 31 28.9–.35 15.51N 92.50W 152 4.5b,4.0
IDC XI 28 04 31 29.6–.81 15.64N 92.33W 158–6 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=35.4.
MEX Error ellipse: s-maj=6.8km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=223.0.
IDC Error ellipse: s-maj=20.4km s-min=7.8km az=41.0.
MEX XII 02 04 16 04.3–.45 15.05N 92.90W 89–9 3.7

¶603931925
MEX Error ellipse: s-maj=14.0km s-min=9.0km az=-1.0.
MEX XII 05 10 48 20.4–.47 15.53N 92.90W 105–6 3.7

¶603931963
MEX Error ellipse: s-maj=5.7km s-min=6.3km az=-1.0.
MEX XII 06 16 11 19.8–.68 15.65N 92.11W 185–14 4.0

¶603931974
MEX Error ellipse: s-maj=32.9km s-min=21.9km az=-1.0.
MEX XII 15 07 47 56.5–.85 15.49N 92.84W 108–8 3.5

¶603932055
MEX Error ellipse: s-maj=9.7km s-min=8.7km az=-1.0.
MEX XII 17 07 29 29.8–.58 15.91N 92.65W 211–6 3.8

¶603932067
MEX Error ellipse: s-maj=5.8km s-min=6.6km az=-1.0.
ISC XII 22 18 21 16.8–.87 15.33N–.08 92.02W–.05 184–6 3.6b 40 0-50
ISCJB XII 22 18 21 15.8–.56 15.36N–.08 92.02W–.05 184–4 3.5b ¶602355677
MEX XII 22 18 21 16.9–.70 15.33N 92.04W 196–7 4.1
IDC XII 22 18 21 16.8–1.3 15.29N 91.94W 175–11 3.8,3.6
NEIC XII 22 18 21 16.9–.00 15.33N 92.04W 196 4.1,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.3km az=17.0.
MEX Error ellipse: s-maj=9.3km s-min=8.9km az=-1.0.
IDC Error ellipse: s-maj=40.0km s-min=14.6km az=38.0.
NEIC Event type se. After MEX.
MEX XII 29 17 13 48.1–.45 15.66N 92.83W 132–6 3.8

¶603932179
MEX Error ellipse: s-maj=5.5km s-min=4.8km az=-1.0.
MEX XII 30 03 35 34.9–.44 15.15N 92.62W 108–7 3.8

¶603932182
MEX Error ellipse: s-maj=10.0km s-min=6.9km az=-1.0.
ISC XII 31 01 15 17.1–.36 15.11N–.04 92.15W–.04 113–2 4.8b 809 0-145
IDC XII 31 01 15 17.9–.44 15.25N 91.77W 117–3 4.5,4.2 ¶602065123
GCMT XII 31 01 15 17.8–.20 15.12N–.01 92.25W–.01 102–1 5.2W,4.2
BJI XII 31 01 15 17.1 15.10N 92.10W 100 5.1b,4.2
UCR XII 31 01 15 18.4–1.1 14.97N 92.12W 117 5.1b,4.2L
MEX XII 31 01 15 18.6–.96 15.21N 92.68W 83–33 5.2,4.2L
NEIC XII 31 01 15 18.8–.40 15.03N 92.04W 123–3 5.2,5.1b
ISCJB XII 31 01 15 19.4–.31 15.06N–.02 91.99W–.02 146–3 4.7b,5.1b
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c94; s100,c159;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.09±.16 $M_{\theta\theta}$0.93±.23; $M_{\phi\phi}$2.16±.23; $M_{r\theta}$5.35±.11; $M_{\theta\phi}$-3.75±.19; $M_{\phi r}$-3.66±.12; Best double couple: NP1:ϕ_s303.00000°,δ75.00000° ,λ-104.00000°. NP2:ϕ_s168.00000°,δ21.00000°,λ-48.00000°. Principal axes: T 8.7280,Plg28.0000°,Azm45.0000°; N -1.8220,Plg14.0000°,Azm307.0000° ; P -6.9090,Plg58.0000°,Azm194.0000° $M_0$7.81900×10^{16}
NEIC Event type fe. Felt at San Gabriel. Also felt at Tapachula, Tonala, Tuxtla and Union Juarez, Mexico.
ISCJB Event type fe.

(63) Off coast of Mexico.

IDC VIII 18 11 58 17.0–33 9.79N 106.57W 0 3.7,3.5L

¶601766056
IDC Error ellipse: s-maj=838.4km s-min=107.3km az=129.0.

(65) Off coast of Guerrero.

MEX VII 05 07 45 28.2–.44 15.99N 98.31W 5–3 3.9

¶603312219
MEX Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0.
MEX VII 05 17 35 27.1–.45 15.94N 98.38W 15 3.6

¶603312221
MEX Error ellipse: s-maj=6.0km s-min=7.9km az=-1.0.
MEX VII 11 09 26 08.8–.59 15.85N 98.45W 15 3.5

¶603312310
MEX Error ellipse: s-maj=9.9km s-min=12.3km az=-1.0.
MEX VII 12 13 15 28.3–.30 15.98N 98.33W 8–3 3.6

¶603312323
MEX Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
MEX VII 12 14 15 33.4–.30 15.91N 98.27W 16–695 3.5

¶603312324
MEX Error ellipse: s-maj=583.7km s-min=32.5km az=-1.0.
MEX VII 15 15 37 35.0–.44 15.96N 98.87W 16–9 3.6

¶603312355
MEX Error ellipse: s-maj=7.5km s-min=4.1km az=-1.0.
MEX VII 15 15 57 44.7–.71 15.89N 98.15W 15–32 3.7

¶603312358
MEX Error ellipse: s-maj=26.9km s-min=8.4km az=-1.0.
MEX VII 21 04 00 50.6–.33 15.94N 98.02W 8–2 3.6

¶603312406
MEX Error ellipse: s-maj=3.5km s-min=5.5km az=-1.0.
MEX VII 22 07 34 57.8–.34 15.97N 98.31W 4–4 3.8

¶603312416
MEX Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0.
MEX VII 23 07 08 14.9–.66 15.89N 98.36W 3–5 3.9

¶603312431
MEX Error ellipse: s-maj=5.8km s-min=5.3km az=-1.0.
MEX VII 26 05 15 19.1–.64 15.85N 98.65W 16–999 3.8

¶603312491
MEX Error ellipse: s-maj=6.9km s-min=12.7km az=-1.0.
MEX VII 26 09 44 10.2–.49 15.88N 98.33W 10–11 3.8

¶603312494
MEX Error ellipse: s-maj=9.0km s-min=3.1km az=-1.0.
MEX VII 26 13 23 54.4–.36 15.76N 98.21W 10 3.8

¶603312497
MEX Error ellipse: s-maj=5.0km s-min=9.8km az=-1.0.
MEX VII 28 19 42 49.9–.91 15.82N 98.26W 15 3.7

¶603312523
MEX Error ellipse: s-maj=9.8km s-min=12.0km az=-1.0.
MEX VII 31 06 58 26.8–.38 15.87N 98.47W 16–38 3.8

¶603312551
MEX Error ellipse: s-maj=30.7km s-min=10.9km az=-1.0.
MEX VII 31 09 15 56.5–.52 15.93N 98.68W 15–14 3.6

¶603312553
MEX Error ellipse: s-maj=12.4km s-min=5.4km az=-1.0.
ISC VIII 04 21 59 43.4–.95 15.98N–.08 98.31W–.04 17 4.1b,3.4s 63 0-130
ISCJB VIII 04 21 59 42.5–.66 15.98N–.06 98.33W–.04 17 4.0b,3.3s ¶601521110
MEX VIII 04 21 59 44.2–.62 16.04N 98.33W 3 4.2,3.3s
IDC VIII 04 21 59 44.6–1.6 16.35N 98.12W 0 4.0,3.8b
NEIC VIII 04 21 59 45.0–.00 16.05N 98.30W 10 4.2,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=8.5.
MEX Error ellipse: s-maj=4.9km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=44.5km s-min=24.0km az=41.0.
NEIC Event type se. After MEX.
MEX VIII 04 22 45 16.1–.58 15.99N 98.26W 10 3.6

¶604033346
MEX Error ellipse: s-maj=7.3km s-min=10.7km az=-1.0.
MEX VIII 12 07 32 37.4–.61 15.91N 98.65W 6–27 3.9

¶604033398
MEX Error ellipse: s-maj=22.7km s-min=9.9km az=-1.0.
MEX VIII 18 05 50 11.9–.27 15.75N 98.06W 10 3.7

¶604033435
MEX Error ellipse: s-maj=5.2km s-min=6.2km az=-1.0.
MEX VIII 22 16 24 07.8–.56 15.95N 98.72W 15–999 3.8

¶604033482
MEX Error ellipse: s-maj=11.6km s-min=16.8km az=-1.0.
MEX VIII 23 16 08 40.8–.37 15.91N 98.46W 5–125 3.5

¶604033496
MEX Error ellipse: s-maj=102.0km s-min=33.9km az=-1.0.
MEX VIII 24 19 06 40.7–.59 15.88N 98.41W 1 3.9

¶604033517
MEX Error ellipse: s-maj=4.2km s-min=4.1km az=-1.0.
MEX VIII 25 08 57 11.8–.64 15.88N 98.50W 5 3.6

¶604033524
MEX Error ellipse: s-maj=7.1km s-min=5.7km az=-1.0.
MEX VIII 27 16 19 22.1–.34 15.84N 98.63W 5 3.5

¶604033550
MEX Error ellipse: s-maj=5.8km s-min=4.8km az=-1.0.
MEX VIII 27 22 52 45.0–.78 15.59N 98.35W 5 3.9

¶604033556
MEX Error ellipse: s-maj=10.3km s-min=10.3km az=-1.0.
MEX VIII 30 12 52 10.0–.74 15.90N 98.66W 17–999 3.9

¶604033576
MEX Error ellipse: s-maj=8.4km s-min=5.7km az=-1.0.
MEX VIII 31 01 46 06.3–.78 15.91N 98.76W 8–15 3.8

¶604033585
MEX Error ellipse: s-maj=13.4km s-min=4.2km az=-1.0.
MEX IX 03 09 52 16.3–.31 15.93N 98.55W 15 3.6

¶603514309
MEX Error ellipse: s-maj=2.8km s-min=1.5km az=-1.0.
MEX IX 05 02 46 02.8–.69 16.80N 102.24W 16–10 3.7

¶603514336
MEX Error ellipse: s-maj=8.7km s-min=3.8km az=-1.0.
MEX IX 09 13 01 25.4–.87 15.92N 98.22W 5 4.1
NEIC IX 09 13 01 25.4–.00 15.92N 98.22W 5 4.1 ¶601846421
MEX Error ellipse: s-maj=4.9km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 09 18 59 35.8–2.9 15.96N–.06 98.30W–.04 0–18 4.7b,3.9s 332 0-142
ISCJB IX 09 18 59 36.5–.36 16.04N–.04 98.14W–.03 10 4.5b,3.9s ¶601697110
IDC IX 09 18 59 36.2–.84 15.98N 98.31W 0 4.5,4.3
MEX IX 09 18 59 38.4–.82 15.90N 98.22W 5 4.3,4.3
NEIC IX 09 18 59 38.4–.00 15.90N 98.22W 5 4.7b,4.3
GCMT IX 09 18 59 41.4–.60 15.96N–.03 98.29W–.05 22–1 4.9W,4.3
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Oaxaca. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s60,c81;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.25 $M_{\theta\theta}$-2.65±.16; $M_{\phi\phi}$-0.35±.15; $M_{r\theta}$1.13±.22; $M_{\theta\phi}$0.25±.10; $M_{\phi r}$-0.55±.27; Best double couple: NP1:ϕ_s103.00000°,δ57.00000°,λ97.00000°. NP2:ϕ_s270.00000°,δ34.00000°,λ79.00000°. Principal axes: T 3.2930,Plg77.0000° ,Azm37.0000°; N -0.3720,Plg6.0000°,Azm279.0000°; P -2.9160,Plg11.0000°,Azm188.0000° $M_0$3.10400×10^{16}
MEX IX 12 14 02 55.9–.62 15.92N 98.56W 8–17 3.7

¶603514426
MEX Error ellipse: s-maj=10.5km s-min=10.5km az=-1.0.
MEX IX 13 03 07 19.3–.33 15.99N 98.17W 3–2 4.0
NEIC IX 13 03 07 19.3–.00 15.99N 98.17W 3 4.0 ¶601851675
MEX Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 13 03 19 12.9–.46 15.99N 98.15W 5 3.9

¶603514433
MEX Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
MEX IX 14 07 38 43.0–.59 15.89N 98.60W 14–20 3.5

¶603514439
MEX Error ellipse: s-maj=19.2km s-min=5.1km az=-1.0.
MEX IX 15 11 20 45.4–.44 15.92N 98.55W 8–12 3.6

¶603514463
MEX Error ellipse: s-maj=11.4km s-min=3.5km az=-1.0.
MEX IX 15 11 22 37.5–.46 15.94N 98.52W 10–3 3.6

¶603514464
MEX Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
ISC IX 16 18 18 41.9–2.5 15.93N–.06 98.32W–.04 13–15 3.8b 57 0-60
IDC IX 16 18 18 41.5–1.6 15.89N 98.27W 0 3.8,3.7 ¶601863667
ISCJB IX 16 18 18 42.2–1.3 15.94N–.06 98.31W–.04 26–8 3.9b,3.7
NEIC IX 16 18 18 42.6–.00 15.91N 98.35W 2 4.2,3.7
MEX IX 16 18 18 42.6–.45 15.91N 98.35W 2–2 4.2,3.7
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=16.3km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.9km az=20.6.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0.
MEX IX 16 21 46 08.8–.53 15.90N 98.22W 5 3.7

¶603514486
MEX Error ellipse: s-maj=4.6km s-min=5.7km az=-1.0.
MEX IX 22 12 05 35.4–.61 15.96N 98.75W 17–999 3.8

¶601852857
MEX Error ellipse: s-maj=8.1km s-min=4.8km az=-1.0.
MEX IX 29 07 17 26.5–.53 15.82N 98.62W 16–94 3.6

¶603514720
MEX Error ellipse: s-maj=74.1km s-min=29.7km az=-1.0.
MEX IX 29 07 23 16.7–.47 15.92N 98.63W 16–62 3.5

¶603514721
MEX Error ellipse: s-maj=48.7km s-min=23.4km az=-1.0.
MEX IX 29 07 29 50.8–.52 15.95N 98.62W 16–57 3.5

¶603514722
MEX Error ellipse: s-maj=44.7km s-min=23.1km az=-1.0.
MEX IX 29 11 17 59.8–.74 15.88N 98.62W 16–79 3.5

¶603514724
MEX Error ellipse: s-maj=61.7km s-min=26.9km az=-1.0.
MEX IX 29 12 10 06.4–.52 15.90N 98.62W 16–66 3.6

¶603514729
MEX Error ellipse: s-maj=52.5km s-min=24.4km az=-1.0.
MEX IX 29 21 37 54.7–.49 15.98N 98.32W 5 3.8

¶603514731
MEX Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
MEX IX 30 04 35 00.9–.47 15.93N 98.60W 19–123 3.6

¶603514740
MEX Error ellipse: s-maj=5.4km s-min=9.6km az=-1.0.
MEX IX 30 19 07 20.7–.65 15.94N 98.31W 16–27 3.6

¶603514750
MEX Error ellipse: s-maj=18.2km s-min=17.3km az=-1.0.
MEX X 01 10 58 01.9–.81 15.96N 98.30W 3 3.6

¶603775642
MEX Error ellipse: s-maj=13.6km s-min=19.4km az=-1.0.
MEX X 01 12 24 58.2–.37 15.94N 98.25W 5 3.7

¶603775644
MEX Error ellipse: s-maj=4.6km s-min=9.7km az=-1.0.
MEX X 03 03 30 42.8–.40 15.95N 98.75W 18–22 3.8

¶603775673
MEX Error ellipse: s-maj=17.8km s-min=9.0km az=-1.0.
MEX X 13 04 30 36.7–.51 15.96N 98.57W 10 3.5

¶603775846

MEX Error ellipse: s-maj=10.9km s-min=7.2km az=-1.0.
MEX X 13 04 31 42.7–.40 15.81N 98.59W 16–999 3.7
¶603775847

MEX Error ellipse: s-maj=6.0km s-min=18.1km az=-1.0.
MEX X 14 08 05 28.0–.82 15.97N 98.48W 5 3.6
¶603775866

MEX Error ellipse: s-maj=14.2km s-min=12.3km az=-1.0.
MEX X 15 00 34 11.7–.55 15.78N 98.54W 10 3.7
¶603775875

MEX Error ellipse: s-maj=6.9km s-min=7.9km az=-1.0.
MEX X 24 14 41 17.1–.41 15.99N 98.41W 1 3.7
¶603776038

MEX Error ellipse: s-maj=2.4km s-min=3.6km az=-1.0.
MEX X 27 20 08 31.0–.77 16.92N 102.19W 13 3.9
¶603776094

MEX Error ellipse: s-maj=8.4km s-min=8.2km az=-1.0.
MEX X 27 20 14 17.0–1.2 16.99N 102.39W 10 3.9
¶603776095

MEX Error ellipse: s-maj=18.1km s-min=8.9km az=-1.0.
MEX X 30 00 54 19.1–1.4 15.49N 98.08W 16–37 4.0
NEIC X 30 00 54 19.1–.00 15.49N 98.08W 16 4.0 ¶602035779
MEX Error ellipse: s-maj=24.9km s-min=15.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 31 15 21 05.8–.98 15.86N 98.17W 16–41 3.6
¶603776615

MEX Error ellipse: s-maj=27.6km s-min=27.4km az=-1.0.
MEX XI 02 13 07 34.0–.33 15.96N 98.69W 5 3.6
¶603826486

MEX Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
MEX XI 06 07 32 34.3–.48 15.99N 98.15W 5–3 3.8
¶603826540

MEX Error ellipse: s-maj=2.8km s-min=3.7km az=-1.0.
MEX XI 06 15 09 47.9–.54 15.98N 98.36W 2–4 3.6
¶603826545

MEX Error ellipse: s-maj=5.2km s-min=8.3km az=-1.0.
MEX XI 11 14 29 13.1–.70 15.95N 98.33W 13–12 4.0
NEIC XI 11 14 29 13.5–.00 15.97N 98.34W 15 4.0 ¶602058430
MEX Error ellipse: s-maj=7.6km s-min=7.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 11 14 32 44.3–.53 15.99N 98.29W 5 3.6
¶603826646

MEX Error ellipse: s-maj=3.7km s-min=5.1km az=-1.0.
ISC XI 11 14 39 28.3–.90 15.98N–.07 98.23W–.05 16 4.4b,3.5s 165 0-59
ISCJB XI 11 14 39 27.9–.72 16.01N–.07 98.02W–.04 16 4.2b,3.5s ¶601991720
MEX XI 11 14 39 28.8–.53 15.97N 98.33W 5 4.0,3.5s
NEIC XI 11 14 39 29.6–4.0 16.06N 97.99W 16–12 4.3b,4.0
IDC XI 11 14 39 36.8–4.0 16.14N 97.80W 90–35 3.7,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.9km az=21.6.
MEX Error ellipse: s-maj=3.0km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=37.3km s-min=8.6km az=185.0.
IDC Error ellipse: s-maj=40.6km s-min=24.5km az=29.0.
MEX XI 11 17 01 01.7–.32 15.95N 98.34W 5 3.5
¶603826650

MEX Error ellipse: s-maj=3.2km s-min=5.7km az=-1.0.
MEX XI 11 21 36 29.4–.42 15.95N 98.28W 5 3.5
¶603826656

MEX Error ellipse: s-maj=3.6km s-min=6.4km az=-1.0.
MEX XI 13 15 26 59.0–.45 15.95N 98.18W 5 3.7
¶603826682

MEX Error ellipse: s-maj=3.4km s-min=4.5km az=-1.0.
MEX XI 19 23 47 03.3–.77 15.84N 98.66W 14–554 3.7
¶603826779

MEX Error ellipse: s-maj=382.7km s-min=268.2km az=-1.0.
MEX XI 20 12 43 47.9–.59 15.76N 98.72W 8–10 4.1
NEIC XI 20 12 43 48.4–.00 15.75N 98.74W 16 4.1 ¶602210402
MEX Error ellipse: s-maj=7.2km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 21 00 41 14.0–.65 15.94N 98.65W 16–11 4.0
NEIC XI 21 00 41 14.3–.00 15.98N 98.64W 17 4.2 ¶602052849
MEX Error ellipse: s-maj=7.5km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 25 22 40 02.1–.33 15.98N 98.38W 2–3 3.8
¶603826836

MEX Error ellipse: s-maj=2.5km s-min=4.0km az=-1.0.
MEX XII 13 22 40 50.8–.33 15.93N 98.20W 2 3.8
¶603932042

MEX Error ellipse: s-maj=2.3km s-min=4.8km az=-1.0.
MEX XII 16 23 33 04.2–.45 15.79N 98.74W 16–178 3.7
¶603932064

MEX Error ellipse: s-maj=129.5km s-min=81.1km az=-1.0.
ISC XII 21 11 17 34.1–1.6 15.8N–.10 98.04W–.05 16 14 1-48
ISCJB XII 21 11 17 32.4–1.3 15.76N–.09 97.99W–.06 16 3.2b ¶602391810
IDC XII 21 11 17 32.1–6.8 15.77N 97.86W 0 3.6,3.5
MEX XII 21 11 17 35.2–.87 15.74N 98.05W 17–23 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.7km az=10.7.
IDC Error ellipse: s-maj=114.4km s-min=31.3km az=8.0.
MEX Error ellipse: s-maj=17.0km s-min=10.7km az=-1.0.
ISC XII 31 15 00 04.3–1.2 16.00N–.08 98.31W–.04 17 3.9b 31 0-59
IDC XII 31 15 00 00.1–5.1 15.87N 98.46W 0 3.6,3.4 ¶602070590
ISCJB XII 31 15 00 05.1–1.2 16.08N–.09 98.38W–.05 17 3.8b,3.4
NEIC XII 31 15 00 05.5–.00 16.03N 98.34W 5 4.0b,3.9
MEX XII 31 15 00 05.5–.61 16.03N 98.34W 5–4 3.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=90.6km s-min=23.3km az=0.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=168.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=3.6km s-min=3.4km az=-1.0.
MEX XII 31 15 46 50.3–.50 15.99N 98.30W 3–3 3.6
¶603932196

MEX Error ellipse: s-maj=3.6km s-min=6.8km az=-1.0.

(66) Near coast of Oaxaca.
MEX VII 01 19 41 37.5–.26 15.20N 94.29W 8–17 3.8
¶603312173

MEX Error ellipse: s-maj=6.6km s-min=14.7km az=-1.0.
MEX VII 02 01 05 30.1–.39 15.95N 96.13W 30–5 3.8
¶603312179

MEX Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0.
MEX VII 05 22 18 23.8–.85 15.59N 96.03W 5 4.0
NEIC VII 05 22 18 23.8–.00 15.59N 96.03W 5 4.0 ¶601532859
MEX Error ellipse: s-maj=6.0km s-min=10.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 05 22 29 27.7–.53 15.57N 95.90W 8–3 3.7
¶603312222

MEX Error ellipse: s-maj=7.0km s-min=3.7km az=-1.0.
MEX VII 22 15 45 25.4–.42 15.66N 96.07W 9–5 3.6
¶603312422

MEX Error ellipse: s-maj=6.9km s-min=19.2km az=-1.0.
MEX VII 25 06 48 54.6–.52 15.90N 97.32W 8–6 3.8
¶603312477

MEX Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0.
MEX VII 25 07 50 47.1–.37 15.82N 97.29W 19–150 3.5
¶603312478

MEX Error ellipse: s-maj=5.7km s-min=2.6km az=-1.0.
MEX VII 25 08 17 38.2–.66 15.85N 97.31W 13–8 3.7
¶603312479

MEX Error ellipse: s-maj=6.1km s-min=3.1km az=-1.0.
MEX VII 28 08 07 43.5–.33 15.65N 96.15W 13–2 3.9
¶603312517

MEX Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.
MEX VII 31 04 39 33.7–.50 15.95N 97.60W 16–8 3.7
¶603312549

MEX Error ellipse: s-maj=5.9km s-min=2.4km az=-1.0.
MEX VIII 14 15 05 01.6–.53 15.42N 94.15W 30–10 3.8
¶604033416

MEX Error ellipse: s-maj=5.9km s-min=2.8km az=-1.0.
ISC VIII 18 12 38 33.1–.51 15.44N–.04 94.67W–.03 32–3 4.7b,4.4s 422 1-147
IDC VIII 18 12 38 27.9–.53 15.46N 94.61W 0 4.5,4.4 ¶601565857
ISCJB VIII 18 12 38 32.6–.45 15.46N–.02 94.62W–.02 38–4 4.7b,4.4s
NEIC VIII 18 12 38 33.8–.20 15.44N 94.62W 34 5.0,4.8b
BJI VIII 18 12 38 33.2 15.50N 94.60W 34 5.3b,5.2s
MEX VIII 18 12 38 33.4–1.5 15.37N 94.73W 16–21 5.0,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=10.2km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=217.0. Felt at Juchitan, Mexico, San Mateo del Mar and Tuxtla Gutierrez.
MEX Error ellipse: s-maj=13.6km s-min=4.9km az=-1.0.
MEX VIII 18 15 00 01.1–.44 15.51N 94.37W 41–69 4.1
¶604033443

MEX Error ellipse: s-maj=12.2km s-min=17.7km az=-1.0.
MEX VIII 18 18 38 08.6–.71 15.39N 94.74W 23–30 4.0
¶604033447

MEX Error ellipse: s-maj=14.3km s-min=2.9km az=-1.0.
MEX VIII 18 22 11 21.1–.96 15.35N 94.76W 16–19 3.8
¶604033448

MEX Error ellipse: s-maj=23.0km s-min=5.6km az=-1.0.
MEX VIII 19 00 12 34.2–.63 15.37N 94.58W 16–999 3.9
¶604033450

MEX Error ellipse: s-maj=16.0km s-min=43.5km az=-1.0.
MEX VIII 21 04 35 24.8–.45 15.45N 95.05W 21–34 3.8
¶604033467

MEX Error ellipse: s-maj=12.1km s-min=5.0km az=-1.0.
MEX VIII 23 02 31 11.9–.75 15.26N 94.06W 34–103 3.9
¶604033488

MEX Error ellipse: s-maj=7.2km s-min=4.1km az=-1.0.
MEX VIII 31 11 39 59.7–.91 15.99N 96.99W 14–12 3.8
¶604033587

MEX Error ellipse: s-maj=6.8km s-min=4.7km az=-1.0.
ISC IX 02 12 25 58.2–1.8 15.54N–.09 96.49W–.05 16–10 3.6b 20 0-82
IDC IX 02 12 25 56.7–1.6 15.56N 96.45W 0 3.9,3.7L ¶601862786
ISCJB IX 02 12 25 57.1–1.3 15.55N–.07 96.50W–.04 22–9 3.7s,3.6b
MEX IX 02 12 25 57.9–.33 15.42N 96.47W 15–5 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=16.3km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.9km az=6.9.
MEX Error ellipse: s-maj=3.9km s-min=1.4km az=-1.0.
MEX IX 02 12 43 32.4–.54 15.44N 96.51W 15–220 3.7
¶603514300

MEX Error ellipse: s-maj=167.2km s-min=114.7km az=-1.0.
MEX IX 02 16 17 56.7–.40 15.39N 96.49W 16–26 3.7
¶603514302

MEX Error ellipse: s-maj=4.2km s-min=2.2km az=-1.0.
MEX IX 02 18 08 17.6–.59 15.34N 96.46W 16–39 3.8
¶603514303

MEX Error ellipse: s-maj=6.4km s-min=3.5km az=-1.0.
MEX IX 03 06 14 20.4–.48 15.65N 94.51W 9–5 3.8
¶603514308

MEX Error ellipse: s-maj=4.4km s-min=1.8km az=-1.0.
MEX IX 05 12 04 38.8–.33 15.77N 94.50W 16–4 3.9
¶603514341

MEX Error ellipse: s-maj=3.0km s-min=1.2km az=-1.0.
MEX IX 08 21 05 47.9–.49 15.86N 94.87W 40–107 4.1
NEIC IX 08 21 05 47.5–.00 15.82N 94.86W 48 4.1 ¶601833370
MEX Error ellipse: s-maj=8.0km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 09 06 40 38.6–.60 15.63N 94.11W 56–14 3.8
¶603514395

MEX Error ellipse: s-maj=7.0km s-min=2.5km az=-1.0.
MEX IX 10 18 20 22.9–.73 15.35N 94.74W 16–29 4.1
NEIC IX 10 18 20 22.9–.00 15.35N 94.74W 16 4.1 ¶601819761
MEX Error ellipse: s-maj=8.6km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 10 23 19 58.6–1.5 15.65N–.06 95.26W–.04 5–11 3.9b 37 1-81
IDC IX 10 23 19 59.1–1.4 15.73N 95.17W 0 4.1,4.1L ¶601757201
MEX IX 10 23 20 01.8–.49 15.51N 95.32W 16–6 4.1,4.1L
NEIC IX 10 23 20 01.0–.00 15.51N 95.31W 16 4.1,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=15.4km az=51.0.
MEX Error ellipse: s-maj=4.6km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 16 00 39 18.4–.50 15.21N–.06 95.07W–.04 10 4.3b,3.4s 286 1-144
IDC IX 16 00 39 17.6–.86 15.26N 94.89W 0 4.3,4.1 ¶601717936
MEX IX 16 00 39 18.8–.61 15.04N 95.13W 20–11 4.4,4.1
NEIC IX 16 00 39 18.0–.00 15.02N 95.11W 26 4.4,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=12.9km az=51.0.
MEX Error ellipse: s-maj=6.2km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 16 02 43 07.4–4.6 15.25N–.06 95.13W–.03 6–29 4.0b,3.4s 60 1-93
ISCJB IX 16 02 43 07.2–1.6 15.27N–.05 95.11W–.03 12–11 4.0b,3.4s ¶601767260
IDC IX 16 02 43 07.7–.92 15.43N 95.08W 0 4.0,3.8L
MEX IX 16 02 43 08.8–.61 15.09N 95.13W 15–7 4.2,3.8L
NEIC IX 16 02 43 08.8–.00 15.09N 95.13W 15 4.2,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.3km az=16.2.
IDC Error ellipse: s-maj=22.4km s-min=15.9km az=50.0.
MEX Error ellipse: s-maj=6.1km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 16 07 41 39.7–.46 15.72N 96.22W 52–4 3.9
¶603514484

MEX Error ellipse: s-maj=4.3km s-min=3.9km az=-1.0.
IDC IX 16 10 59 20.6–4.1 15.19N 94.60W 0 3.8,3.4
¶601863644

IDC Error ellipse: s-maj=89.9km s-min=46.9km az=95.0.
MEX IX 16 16 47 34.1–.44 15.24N 94.55W 16–5 4.0
NEIC IX 16 16 47 34.1–.00 15.24N 94.55W 16 4.0 ¶601869238
MEX Error ellipse: s-maj=3.8km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 18 03 10 43.3–.57 15.70N 95.30W 16–7 3.5
¶603514505

MEX Error ellipse: s-maj=5.2km s-min=2.2km az=-1.0.
MEX IX 20 04 39 35.8–.51 15.60N 98.00W 14–42 3.7
¶603514532

MEX Error ellipse: s-maj=35.8km s-min=9.7km az=-1.0.
MEX IX 20 14 41 09.6–.57 15.57N 94.78W 16–6 4.1
NEIC IX 20 14 41 09.5–.00 15.57N 94.78W 19 4.2 ¶601863921
MEX Error ellipse: s-maj=3.8km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 23 03 58 22.2–.82 15.13N 94.26W 17–8 3.9
¶603514591

MEX Error ellipse: s-maj=5.1km s-min=3.0km az=-1.0.
MEX IX 26 17 17 52.8–.65 15.59N 96.06W 5 4.0
¶603514660

MEX Error ellipse: s-maj=5.4km s-min=7.1km az=-1.0.
MEX IX 28 00 38 00.5–.65 15.63N 96.46W 20–18 3.8
¶603514705

MEX Error ellipse: s-maj=7.0km s-min=2.7km az=-1.0.
MEX IX 29 02 59 54.8–.38 15.36N 96.36W 16–17 3.7
¶603514719

MEX Error ellipse: s-maj=5.3km s-min=2.3km az=-1.0.
MEX IX 30 09 16 24.9–.43 15.73N 95.56W 10–8 3.6
¶603514743

MEX Error ellipse: s-maj=6.3km s-min=4.0km az=-1.0.
MEX IX 30 20 02 28.0–.66 15.58N 94.15W 16–5 4.1
NEIC IX 30 20 02 28.1–.00 15.57N 94.16W 20 4.2 **¶601890436**
MEX Error ellipse: s-maj=3.8km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 03 10 41 55.8–.80 15.95N 96.79W 20–16 4.0
NEIC X 03 10 41 55.8–.00 15.95N 96.79W 20 4.0 **¶601890441**
MEX Error ellipse: s-maj=7.2km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 03 12 02 44.5–.43 15.90N 97.21W 43–21 3.7
¶603775679

MEX Error ellipse: s-maj=4.5km s-min=2.9km az=-1.0.
MEX X 07 20 34 55.2–.87 16.00N 94.60W 20–40 4.0
NEIC X 07 20 34 55.2–.00 16.00N 94.60W 20 4.0 **¶601909976**
MEX Error ellipse: s-maj=4.8km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 07 23 16 21.4–.46 15.73N 94.37W 52–16 3.9
¶603775751

MEX Error ellipse: s-maj=4.0km s-min=2.4km az=-1.0.
MEX X 12 00 41 26.0–.80 15.70N 96.50W 16–12 3.9
¶603775830

MEX Error ellipse: s-maj=9.3km s-min=3.7km az=-1.0.
MEX X 12 11 19 15.6–.50 15.98N 97.14W 26–3 3.5
¶603775836

MEX Error ellipse: s-maj=5.1km s-min=3.3km az=-1.0.
MEX X 14 23 19 51.8–.36 15.98N 97.59W 16–5 3.6
¶603775873

MEX Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
MEX X 23 15 37 20.6–.99 15.98N 97.70W 15–11 3.8
¶603776018

MEX Error ellipse: s-maj=7.7km s-min=4.8km az=-1.0.
ISC X 24 01 36 29.2–1.0 15.76N–.08 97.39W–.06 15 4.3b 54 1-59
IDC X 24 01 36 24.2–4.7 15.22N 97.19W 0 3.9,3.7 **¶601846003**
NEIC X 24 01 36 28.8–.00 15.55N 97.50W 17 4.3b,3.9
MEX X 24 01 36 28.8–1.1 15.55N 97.50W 17–23 3.9,3.9
ISCJB X 24 01 36 29.8–.81 15.76N–.08 97.25W–.04 15 4.2b,3.9
ISC Event type fe.
NEIC Event type fe. Felt at Pinotepa Nacional. After MEX.
ISCJB Event type fe.
MEX X 24 21 32 16.5–.73 15.61N 97.48W 16–13 4.0
NEIC X 24 21 32 16.5–.00 15.61N 97.48W 16 4.0 **¶601999532**
MEX Error ellipse: s-maj=10.5km s-min=7.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 27 09 12 02.0–.50 15.51N 95.91W 3 3.6
¶603776085

MEX Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.
MEX X 27 10 00 07.5–.32 15.79N 96.22W 35–7 3.5
¶603776086

MEX Error ellipse: s-maj=13.3km s-min=6.1km az=-1.0.
ISC X 28 05 33 34.2–.89 15.90N–.07 97.26W–.04 16 4.3b 70 1-59
IDC X 28 05 33 27.5–2.0 15.21N 97.27W 0 4.5,4.5s **¶601999927**
ISCJB X 28 05 33 33.9–.60 15.94N–.05 97.17W–.04 16 4.2b,4.5s
MEX X 28 05 33 36.0–.86 15.91N 97.27W 13–4 4.4,4.5s
NEIC X 28 05 33 36.0–.00 15.91N 97.27W 13 4.4,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=22.6km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.7km az=16.7.
MEX Error ellipse: s-maj=6.8km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 28 06 23 24.3–1.0 15.91N 97.31W 5–14 3.7
¶603776147

MEX Error ellipse: s-maj=13.0km s-min=7.5km az=-1.0.
MEX X 28 06 52 10.7–.65 15.86N 97.28W 9–7 3.7
¶603776148

MEX Error ellipse: s-maj=6.7km s-min=5.0km az=-1.0.
MEX X 31 00 29 41.0–1.4 15.98N 97.69W 16–16 3.6
¶603776604

MEX Error ellipse: s-maj=10.4km s-min=6.7km az=-1.0.
MEX X 31 12 30 29.1–.97 15.37N 94.78W 16–13 4.0
NEIC X 31 12 30 29.1–.00 15.37N 94.78W 16 4.0 **¶602031562**
MEX Error ellipse: s-maj=12.5km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 01 19 08 29.0–.76 15.23N 94.43W 39–59 3.6
¶603826478

MEX Error ellipse: s-maj=6.4km s-min=2.8km az=-1.0.
MEX XI 03 05 18 59.9–.53 15.90N 94.89W 17–18 3.9
NEIC XI 03 05 18 59.9–.00 15.90N 94.89W 17 4.2b,3.9 **¶602037395**
MEX Error ellipse: s-maj=6.2km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 03 17 26 07.8–.49 15.83N 94.20W 86–8 3.8
¶603826501

MEX Error ellipse: s-maj=4.4km s-min=2.3km az=-1.0.
MEX XI 04 00 17 05.6–.49 15.93N 96.77W 25–12 3.9
¶603826507

MEX Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0.
MEX XI 04 02 48 18.0–.42 15.73N 97.96W 19–68 3.8
¶603826511

MEX Error ellipse: s-maj=3.6km s-min=2.7km az=-1.0.
MEX XI 04 04 22 09.8–.82 15.83N 97.91W 10–14 3.8
¶603826513

MEX Error ellipse: s-maj=10.6km s-min=7.1km az=-1.0.
MEX XI 05 22 16 31.5–.86 15.84N 95.07W 9–17 3.6
¶603826536

MEX Error ellipse: s-maj=12.7km s-min=11.5km az=-1.0.
MEX XI 06 19 12 21.5–.46 15.77N 95.66W 12–9 3.5
¶603826549

MEX Error ellipse: s-maj=8.9km s-min=5.8km az=-1.0.
MEX XI 10 00 49 24.9–.54 15.66N 97.01W 5 3.8
¶603826613

MEX Error ellipse: s-maj=3.7km s-min=2.5km az=-1.0.
ISC XI 11 16 32 02.8–2.1 15.9N–.10 97.09W–.06 10 8 1-48
IDC XI 11 16 31 48.5–1.8 15.69N 91.50W 0 4.0,3.7b **¶603826648**
ISCJB XI 11 16 32 04.7–1.8 15.9N–.10 97.05W–.05 10 3.7b,3.3s
MEX XI 11 16 32 09.5–.64 15.96N 97.07W 18–5 3.6,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=81.0km s-min=17.5km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.1km az=173.5.
MEX Error ellipse: s-maj=5.9km s-min=3.5km az=-1.0.
ISC XI 14 05 18 20.7–2.7 15.9N–.10 96.81W–.05 1–13 4.0b 33 1-59
IDC XI 14 05 18 15.1–4.8 15.12N 96.55W 0 4.1,3.8b **¶602063181**
MEX XI 14 05 18 25.7–.61 15.89N 96.81W 25–8 3.8,3.8b
NEIC XI 14 05 18 25.3–.00 15.86N 96.79W 20 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=88.5km s-min=21.3km az=147.0.
MEX Error ellipse: s-maj=4.3km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 19 01 45 35.4–.38 15.71N 94.91W 16–4 4.0
¶603826770

MEX Error ellipse: s-maj=2.4km s-min=1.7km az=-1.0.
MEX XI 29 14 48 07.4–.49 15.05N 94.97W 16–11 4.0
NEIC XI 29 14 48 07.4–.00 15.04N 94.97W 16 4.0 **¶602083371**
MEX Error ellipse: s-maj=15.2km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 30 06 18 50.7–.45 15.45N 96.00W 4–4 3.6
¶603826892

MEX Error ellipse: s-maj=4.5km s-min=4.8km az=-1.0.
MEX XI 30 08 58 47.9–.62 15.53N 95.42W 16–18 3.9
¶603826893

MEX Error ellipse: s-maj=15.4km s-min=9.1km az=-1.0.
MEX XI 30 12 12 10.1–.32 15.21N 96.20W 4–2 3.9
¶603826895

MEX Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
ISC XI 30 18 00 01.7–1.3 15.5N–.10 94.69W–.07 10 19 1-60
ISCJB XI 30 18 00 00.7–.95 15.59N–.07 94.68W–.05 10 3.5s,3.5b **¶602055675**
MEX XI 30 18 00 03.8–.59 15.42N 94.78W 16–7 4.1,3.5b
IDC XI 30 18 00 04.1–1.6 16.57N 93.62W 0 3.7,3.5b
NEIC XI 30 18 00 05.1–.00 15.39N 94.67W 15 4.1,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=18.0.
MEX Error ellipse: s-maj=4.5km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=54.9km s-min=11.7km az=25.0.
NEIC Event type se. After MEX.
MEX XI 30 18 04 15.9–.52 15.43N 94.79W 24–17 3.9
¶603826901

MEX Error ellipse: s-maj=5.2km s-min=1.9km az=-1.0.
MEX XII 04 15 42 33.0–.81 15.47N 96.74W 27–17 3.8
¶603931951

MEX Error ellipse: s-maj=9.9km s-min=4.3km az=-1.0.
MEX XII 04 17 24 16.5–.33 15.54N 96.46W 16–8 3.9
¶603931952

MEX Error ellipse: s-maj=6.7km s-min=1.8km az=-1.0.
MEX XII 05 10 17 17.3–.39 15.77N 96.51W 31–5 3.8
¶603931961

MEX Error ellipse: s-maj=3.7km s-min=2.2km az=-1.0.
MEX XII 05 10 21 06.3–.52 15.77N 96.52W 24–10 3.7
¶603931962

MEX Error ellipse: s-maj=5.2km s-min=2.4km az=-1.0.
MEX XII 06 17 35 44.2–.48 15.44N 95.60W 20–15 4.1
¶603931977

MEX Error ellipse: s-maj=6.3km s-min=6.4km az=-1.0.
MEX XII 09 05 04 05.7–.38 15.70N 97.16W 2 3.6
¶603932003

MEX Error ellipse: s-maj=2.9km s-min=3.8km az=-1.0.
MEX XII 09 21 46 34.4–.45 15.68N 96.82W 3–9 3.5
¶603932008

MEX Error ellipse: s-maj=12.5km s-min=9.5km az=-1.0.
MEX XII 10 04 01 18.5–.67 15.67N 96.81W 16–5 4.0
NEIC XII 10 04 01 18.6–.00 15.67N 96.82W 16 4.0 **¶602320152**
MEX Error ellipse: s-maj=6.4km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 12 11 35 56.7–.29 15.70N 94.04W 77–5 3.8
¶603932028

MEX Error ellipse: s-maj=4.5km s-min=3.0km az=-1.0.
MEX XII 18 01 52 41.0–.38 15.95N 95.68W 57–10 3.6
¶603932078

MEX Error ellipse: s-maj=10.0km s-min=6.0km az=-1.0.
MEX XII 18 17 34 51.1–.78 15.85N 95.67W 16–76 4.2
¶603932087

MEX Error ellipse: s-maj=32.0km s-min=60.0km az=-1.0.
MEX XII 23 15 24 38.8–.61 15.69N 97.19W 1 3.9
¶603932129

MEX Error ellipse: s-maj=4.1km s-min=4.1km az=-1.0.
MEX XII 25 12 39 41.2–1.5 15.98N 97.59W 16–18 3.9
¶603932145

MEX Error ellipse: s-maj=14.3km s-min=7.5km az=-1.0.
MEX XII 29 04 41 59.6–.42 15.83N 94.32W 59–11 4.0
NEIC XII 29 04 41 59.6–.00 15.83N 94.32W 59 4.0 **¶602324117**
MEX Error ellipse: s-maj=3.4km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.

(67) Off coast of Oaxaca.

MEX IX 16 11 03 09.2–.84 14.97N 95.13W 21–23 4.4
NEIC IX 16 11 03 09.2–.00 14.97N 95.13W 21 4.4 **¶601819766**
MEX Error ellipse: s-maj=7.3km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 13 13 34 11.6–1.3 14.94N 96.90W 16–43 3.7
¶603775851

MEX Error ellipse: s-maj=42.1km s-min=10.3km az=-1.0.

(68) Off coast of Chiapas.

MEX VII 03 00 24 05.0–.42 13.98N 93.83W 20–15 4.0
¶603312187

MEX Error ellipse: s-maj=5.4km s-min=4.4km az=-1.0.
MEX VII 07 05 23 12.2–.55 13.93N 93.35W 16–93 3.8
¶603312240

MEX Error ellipse: s-maj=71.7km s-min=38.2km az=-1.0.
MEX VII 07 06 52 37.7–.57 13.97N 93.46W 22–25 3.7
¶603312244

MEX Error ellipse: s-maj=8.3km s-min=8.4km az=-1.0.
MEX VII 08 07 46 11.3–.32 13.82N 92.02W 10 3.7
¶603312254

MEX Error ellipse: s-maj=5.1km s-min=9.4km az=-1.0.
MEX VII 10 23 04 09.8–.36 13.83N 92.86W 14–168 3.7
¶603312298

MEX Error ellipse: s-maj=144.3km s-min=27.4km az=-1.0.
MEX VII 13 03 26 51.3–.66 14.37N 94.03W 10 3.9
¶603312334

MEX Error ellipse: s-maj=9.3km s-min=12.8km az=-1.0.
MEX VII 15 20 13 13.9–1.4 14.57N 94.10W 17–39 4.1
¶603312362

MEX Error ellipse: s-maj=38.3km s-min=10.1km az=-1.0.
ISC VII 20 22 01 09.3–1.8 15.0N–.20 94.1W–.30 33 3.8b 14 2-86
IDC VII 20 22 01 09.8–2.5 15.08N 94.08W 34–6 3.7,3.6 **¶601664889**
ISC Event type ke.
IDC Error ellipse: s-maj=69.1km s-min=20.0km az=39.0.
MEX VII 21 06 37 59.8–.44 13.90N 93.54W 10 4.0
¶603312407

MEX Error ellipse: s-maj=8.4km s-min=10.7km az=-1.0.
ISC VIII 05 08 17 07.7–1.8 13.5N–.40 93.4W–.40 35 3.5b,3.3s 6 9-85
IDC VIII 05 08 17 02.4–2.1 13.40N 93.51W 0 3.8,3.5 **¶601765486**
ISCJB VIII 05 08 17 05.6–1.6 13.5N–.40 93.3W–.40 33 3.5b,3.3s
ISC Event type ke.
ISCJB Event type ke.
MEX VIII 10 06 20 44.9–.31 13.84N 93.15W 36–999 3.9
¶604033380

MEX Error ellipse: s-maj=25.1km s-min=20.3km az=-1.0.
MEX VIII 20 06 17 52.8–.66 13.80N 92.72W 16–432 3.7
¶604033462

MEX Error ellipse: s-maj=371.5km s-min=28.7km az=-1.0.
MEX VIII 25 07 52 08.6–.40 13.33N 92.65W 30 3.8
¶604033522

MEX Error ellipse: s-maj=5.6km s-min=9.8km az=-1.0.
MEX VIII 26 03 29 03.8–.90 13.91N 93.49W 16–235 3.7
¶604033539

MEX Error ellipse: s-maj=161.8km s-min=119.1km az=-1.0.
MEX IX 06 08 34 34.7–.75 13.81N 93.07W 16–131 3.7
¶603514357

MEX Error ellipse: s-maj=106.4km s-min=28.3km az=-1.0.
ISC IX 07 20 38 41.6–1.2 13.61N–.10 92.47W–.07 32 3.8b 29 1-146
ISCJB IX 07 20 38 38.9–.87 13.56N–.06 92.47W–.06 32 3.9b,3.1s **¶601833351**
NEIC IX 07 20 38 38.7–1.2 13.62N 92.38W 10 4.0,3.1s
MEX IX 07 20 38 38.0–.46 13.41N 92.54W 16–103 4.0,3.1s
IDC IX 07 20 38 38.5–3.6 13.71N 92.40W 0 4.1,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.5km az=21.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.4km az=195.0.
MEX Error ellipse: s-maj=87.8km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=75.5km s-min=28.3km az=172.0.
IDC IX 13 01 59 33.7–5.4 13.36N 92.16W 0 3.9,3.9b

¶601863447
IDC Error ellipse: s-maj=93.4km s-min=30.4km az=168.0.
ISC IX 25 01 35 29.6–3.3 13.89N–.08 92.38W–.06 6–21 4.1b 77 1-146
IDC IX 25 01 35 29.6–2.6 14.06N 92.31W 0 4.2,4.0 ¶601864127
ISCJB IX 25 01 35 30.8–1.6 13.89N–.05 92.38W–.03 24–13 4.1b,3.6s
MEX IX 25 01 35 30.7–.47 13.68N 92.39W 20–16 4.0,3.6s
NEIC IX 25 01 35 30.5–.00 13.67N 92.37W 17 4.1b,4.0
UCR IX 25 01 35 31.0–2.6 14.43N 92.17W 143–190 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=22.9km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.1km az=28.3.
MEX Error ellipse: s-maj=4.5km s-min=7.8km az=-1.0.
NEIC Event type se. After MEX.
UCR Error ellipse: s-maj=717.1km s-min=244.4km az=-1.0.
IDC IX 26 11 50 29.9–3.0 13.91N 92.30W 0 3.7,3.4
¶601864203
IDC Error ellipse: s-maj=55.5km s-min=25.1km az=4.0.
ISC IX 26 11 53 02.9–2.3 13.9N–.20 92.34W–.08 46 8 2-146
IDC IX 26 11 52 56.5–2.9 13.78N 92.33W 0 4.0,3.6 ¶601864204
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=25.2km az=179.0.
MEX X 03 13 07 41.0–.40 13.84N 92.44W 86–102 3.7
¶603775680
MEX Error ellipse: s-maj=47.9km s-min=33.0km az=-1.0.
MEX X 03 19 37 39.2–.64 13.77N 94.22W 50 4.0
¶603775690
MEX Error ellipse: s-maj=8.2km s-min=10.0km az=-1.0.
MEX X 04 15 26 30.5–.52 14.51N 94.11W 10 4.1
¶603775708
MEX Error ellipse: s-maj=4.4km s-min=4.2km az=-1.0.
MEX X 07 20 17 32.9–1.0 13.86N 93.41W 16–282 3.9
¶603775750
MEX Error ellipse: s-maj=221.4km s-min=100.7km az=-1.0.
MEX X 10 07 33 51.3–.58 13.97N 92.41W 16–132 3.8
¶603775788
MEX Error ellipse: s-maj=110.5km s-min=14.5km az=-1.0.
ISC X 16 16 12 00.3–1.4 13.9N–.10 92.08W–.07 35 16 2-146
MEX X 16 16 12 03.9–.42 14.11N 92.05W 20 3.7 ¶601998556
IDC X 16 16 12 05.5–2.8 14.31N 92.00W 72–20 3.6,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=5.5km s-min=14.9km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=10.2km az=14.0.
MEX X 23 09 15 47.7–.79 13.93N 93.48W 11–334 3.8
¶603776015
MEX Error ellipse: s-maj=259.5km s-min=143.0km az=-1.0.
MEX X 25 23 28 20.3–.50 13.52N 92.23W 10 3.8
¶603776057
MEX Error ellipse: s-maj=4.9km s-min=7.2km az=-1.0.
MEX X 26 01 42 55.6–.41 13.97N 93.19W 10–86 3.5
¶603776063
MEX Error ellipse: s-maj=69.5km s-min=29.3km az=-1.0.
ISC XI 07 16 49 45.9–.72 13.72N–.09 92.19W–.07 37 4.6b 43 2-146
ISCJB XI 07 16 49 44.3–.58 13.67N–.07 92.20W–.05 37 4.6b ¶601991520
NEIC XI 07 16 49 46.3–.54 13.70N 92.16W 35 4.7b
IDC XI 07 16 49 47.7–3.1 13.76N 92.14W 46–27 4.5,4.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.0km az=18.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.4km az=208.0.
IDC Error ellipse: s-maj=25.9km s-min=17.2km az=25.0.
ISC XI 07 16 52 26.7–1.1 13.7N–.10 92.23W–.07 32 4.1b 19 2-146
IDC XI 07 16 52 20.4–3.0 13.44N 92.28W 0 4.4,4.1b ¶601991522
NEIC XI 07 16 52 26.8–.84 13.65N 92.25W 35 4.8b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=30.5km az=169.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.3km az=206.0.
ISC XI 07 17 10 39.4–1.0 13.7N–.10 92.3W–.10 35 4.1b 13 2-146
ISCJB XI 07 17 10 36.9–1.2 13.7N–.20 92.3W–.10 35 4.1b ¶602388966
IDC XI 07 17 10 40.3–5.5 14.01N 91.98W 30–35 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.0km s-min=8.6km az=38.2.
IDC Error ellipse: s-maj=41.5km s-min=19.3km az=36.0.
ISC XI 07 17 15 39.9–1.4 13.8N–.20 92.32W–.08 46 3.9b 11 2-146
IDC XI 07 17 15 33.9–1.6 13.81N 92.30W 0 4.1,3.9b ¶601991528
ISCJB XI 07 17 15 37.8–1.2 13.7N–.10 92.33W–.07 46 3.9b,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 17 16 02.4–.99 13.9N–.10 92.08W–.10 54 4.2b 29 2-146
IDC XI 07 17 15 55.7–1.1 13.85N 92.16W 0 4.3,4.1 ¶602388967
ISCJB XI 07 17 15 59.6–1.1 13.8N–.10 92.21W–.07 54 4.2b,4.1
NEIC XI 07 17 16 00.8–.78 13.91N 92.04W 35 4.6b,4.1
UCR XI 07 17 16 01.2–.71 13.39N 92.00W 112–57 4.6b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=14.4km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=5.3km az=20.5.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.5km az=217.0.
UCR Error ellipse: s-maj=29.6km s-min=17.3km az=-1.0.
ISC XI 07 17 57 20.9–1.1 13.9N–.10 92.4W–.10 46 4.0b 21 2-146
IDC XI 07 17 57 16.1–1.9 14.00N 92.34W 0 4.3,4.0 ¶601991529
ISCJB XI 07 17 57 19.0–1.1 13.9N–.20 92.3W–.10 46 4.1b,4.0
NEIC XI 07 17 57 21.2–.98 14.03N 92.30W 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=15.7km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=7.8km az=32.9.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=9.6km az=209.0.
IDC XI 07 18 00 24.1–3.2 13.72N 92.25W 0 3.9,3.6
¶601991530
IDC Error ellipse: s-maj=68.4km s-min=29.1km az=171.0.
ISC XI 07 18 01 08.1–.69 13.74N–.09 92.07W–.07 37 3.9b 21 2-146
IDC XI 07 18 01 01.7–1.1 13.60N 92.02W 0 4.3,4.1L ¶602388971
ISCJB XI 07 18 01 05.6–.67 13.62N–.07 92.15W–.06 37 4.0b,4.1L
NEIC XI 07 18 01 07.6–.59 13.72N 92.09W 35 4.0b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=21.3km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.1km az=34.3.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=8.9km az=46.0.
IDC XI 07 18 04 34.3–3.3 13.58N 92.28W 0 3.9,3.7L
¶602388973
IDC Error ellipse: s-maj=70.8km s-min=30.4km az=167.0.
IDC XI 07 18 05 45.5–3.4 13.75N 92.12W 0 4.0,3.6b
¶602388974
IDC Error ellipse: s-maj=66.9km s-min=18.5km az=158.0.
ISC XI 07 18 11 42.4–1.3 13.4N–.20 92.0W–.20 37 3.5b 6 2-147
IDC XI 07 18 11 37.1–1.4 13.36N 92.08W 0 3.9,3.6 ¶602388976
ISCJB XI 07 18 11 40.6–1.3 13.4N–.20 92.1W–.20 37 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 07 18 14 31.3–3.4 13.83N 92.14W 0 3.8,3.5
¶602388977
IDC Error ellipse: s-maj=65.0km s-min=27.2km az=175.0.
MEX XI 07 19 03 30.3–.70 13.95N 92.35W 12–173 3.8
¶603826564
MEX Error ellipse: s-maj=145.3km s-min=20.5km az=-1.0.
MEX XI 07 19 23 25.9–.48 13.65N 92.14W 15 3.9
¶603826566
MEX Error ellipse: s-maj=4.9km s-min=8.7km az=-1.0.
ISC XI 07 19 33 29.4–1.4 13.9N–.10 92.49W–.09 35 4.1b 16 1-146
IDC XI 07 19 33 22.8–3.1 13.65N 92.38W 0 5.0,5.0s ¶602388980
MEX XI 07 19 33 27.2–.56 13.78N 92.68W 6–143 3.9,5.0s
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=34.4km az=7.0.
MEX Error ellipse: s-maj=121.8km s-min=10.5km az=-1.0.
ISC XI 07 19 55 35.7–.40 13.98N–.06 92.22W–.06 54 5.4s,5.0b 587 1-153
IDC XI 07 19 55 27.1–.66 13.72N 92.13W 0 4.8,4.8s ¶601880069
MEX XI 07 19 55 32.1–.50 13.75N 92.65W 24–16 5.1,4.8s
NEIC XI 07 19 55 33.2–.88 13.97N 92.19W 27–6 5.1b,4.8s
ISCJB XI 07 19 55 34.3–.20 14.03N–.02 92.10W–.02 54 5.2s,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 07 20 40 37.8–2.0 13.9N–.10 92.21W–.09 22–11 3.7b 19 1-146
IDC XI 07 20 40 30.4–3.0 13.25N 92.27W 0 4.3,4.3s ¶602388987
MEX XI 07 20 40 36.6–.72 13.72N 92.36W 15–194 3.9,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=59.4km s-min=36.8km az=5.0.
MEX Error ellipse: s-maj=162.9km s-min=23.8km az=-1.0.
IDC XI 07 21 01 16.9–3.8 12.90N 93.12W 0 4.9b,4.5
¶602388989
IDC Error ellipse: s-maj=377.4km s-min=65.9km az=53.0.
ISC XI 07 22 27 44.0–2.3 13.89N–.06 92.20W–.06 14–13 4.3b 72 1-148
IDC XI 07 22 27 41.4–.71 13.70N 92.20W 0 4.4,4.3L ¶602051301
ISCJB XI 07 22 27 42.7–1.4 13.76N–.04 92.32W–.05 18–9 4.2b,3.7s
UCR XI 07 22 27 44.0–1.0 14.06N 92.37W 34–999 4.1L,4.1b
MEX XI 07 22 27 45.5–.67 13.86N 92.22W 4–143 3.9,4.1b
NEIC XI 07 22 27 46.9–.52 13.82N 92.20W 35 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=13.0km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.9km az=135.0.
UCR Error ellipse: s-maj=40.3km s-min=999.9km az=-1.0.
MEX Error ellipse: s-maj=119.8km s-min=29.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=51.0.
ISC XI 07 22 42 43.9–1.1 13.87N–.04 92.24W–.04 8–6 5.3s,5.1b 1143 1-171
IDC XI 07 22 42 42.1–.59 13.90N 92.09W 0 5.1,5.1s ¶601880073
MOS XI 07 22 42 45.5–1.0 13.89N 92.13W 29 5.3s,5.2b
MEX XI 07 22 42 45.9–.52 13.79N 92.53W 5 5.5,5.2b
UCR XI 07 22 42 46.2–1.4 14.12N 92.15W 152–76 5.1b,4.0L
NEIC XI 07 22 42 48.2–.23 13.85N 92.16W 35 5.5,5.3s
GCMT XI 07 22 42 49.2–.40 13.63N–.02 92.61W–.03 13–1 5.7W,5.3s
ISCJB XI 07 22 42 49.5–.41 14.07N–.02 92.06W–.02 58–3 5.2s,5.1b
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s109,c193;Duration: 1ŝ7
Moment tensor: Scale 10^{17}Nm; M_{rr}3.31±.22 $M_{\theta\theta}$-2.58±.14; $M_{\phi\phi}$-0.72±.12; $M_{r\theta}$2.81±.44; $M_{\theta\phi}$0.84±.07; $M_{\phi r}$-1.31±.42; Best double couple: NP1:ϕ_s114.00000°,δ67.00000°,λ92.00000°. NP2:ϕ_s289.00000°,δ23.00000°,λ86.00000°. Principal axes: T 4.5950,Plg67.0000°,Azm27.0000°; N -0.4130,Plg2.0000°,Azm293.0000°; P -4.1810,Plg22.0000°,Azm202.0000° M_o4.38800×10^{17}
ISCJB Event type se.
ISC XI 07 23 36 18.4–3.7 13.99N–.08 92.60W–.09 5–24 4.0b 30 2-146
ISCJB XI 07 23 36 18.2–3.0 13.94N–.07 92.61W–.09 16–23 4.0b ¶602051303
MEX XI 07 23 36 18.4–.33 13.73N 92.70W 14–89 4.0
NEIC XI 07 23 36 18.3–.00 13.71N 92.68W 20 4.0,4.0b
IDC XI 07 23 36 18.1–1.0 14.01N 92.52W 0 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.3km az=147.5.
MEX Error ellipse: s-maj=76.4km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=21.2km s-min=12.6km az=31.0.
ISC XI 07 23 41 58.7–1.1 13.86N–.10 92.40W–.07 35 3.7b 27 2-146
IDC XI 07 23 41 54.4–1.9 13.78N 92.34W 0 4.0,3.7 ¶602051304
NEIC XI 07 23 41 55.2–.00 13.71N 92.58W 21 4.0,4.0b
MEX XI 07 23 41 55.2–.32 13.71N 92.58W 22–11 4.0,4.0b
ISCJB XI 07 23 41 57.4–.90 13.94N–.07 92.38W–.07 35 3.8b,4.0b
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
ISC XI 08 00 58 51.6–.64 13.73N–.07 92.33W–.06 35 4.3b 80 2-146
IDC XI 08 00 58 46.7–1.0 13.67N 92.35W 0 4.3,4.2b ¶602037399
MEX XI 08 00 58 49.0–.94 13.59N 92.36W 30–21 3.9,4.2b
ISCJB XI 08 00 58 50.9–.42 13.83N–.05 92.25W–.05 35 4.2b,3.7s
NEIC XI 08 00 58 52.7–.61 13.80N 92.23W 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=13.3km az=43.0.
MEX Error ellipse: s-maj=8.7km s-min=16.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=42.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.1km az=210.0.
MEX XI 08 02 09 53.7–.57 13.80N 92.23W 34–57 3.8
¶603826570
MEX Error ellipse: s-maj=9.3km s-min=11.7km az=-1.0.
ISC XI 08 02 19 02.7–.60 13.84N–.07 92.07W–.07 54 4.3b 77 2-146
IDC XI 08 02 18 55.4–.82 13.72N 92.18W 0 5.1,5.1s ¶602054276
ISCJB XI 08 02 19 01.7–.37 13.90N–.05 92.03W–.05 54 5.1s,4.2b
NEIC XI 08 02 19 01.5–.91 13.79N 92.10W 40–8 4.3b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=12.6km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.9km az=39.6.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=4.8km az=221.0.
MEX XI 08 02 30 19.0–.51 13.82N 92.16W 15 3.6
¶603826571
MEX Error ellipse: s-maj=6.2km s-min=10.4km az=-1.0.
IDC XI 08 03 19 21.7–9.0 13.31N 92.48W 0 3.8,3.5
¶602389014
IDC Error ellipse: s-maj=317.4km s-min=119.2km az=39.0.
ISC XI 08 05 43 19.9–1.1 13.8N–.10 92.27W–.08 54 4.3b 39 2-146
IDC XI 08 05 43 13.4–2.0 13.78N 92.27W 0 4.0,3.8b ¶602051320
ISCJB XI 08 05 43 18.0–.84 13.7N–.10 92.21W–.06 54 4.2b,3.0s
NEIC XI 08 05 43 18.9–.69 13.85N 92.21W 35 4.3b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=22.6km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=5.8km az=20.8.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.1km az=207.0.
IDC XI 08 06 04 27.9–2.4 14.00N 92.23W 0 3.6,3.5L
¶602389021
IDC Error ellipse: s-maj=34.0km s-min=15.0km az=177.0.
MEX XI 08 06 27 48.6–.48 13.95N 92.36W 16–96 3.8
¶603826576
MEX Error ellipse: s-maj=80.8km s-min=11.5km az=-1.0.
MEX XI 08 11 24 54.1–.42 13.75N 92.57W 16–123 3.8
¶603826580
MEX Error ellipse: s-maj=105.1km s-min=6.7km az=-1.0.
MEX XI 08 12 45 36.0–.47 13.83N 92.41W 16–113 3.9
¶603826583
MEX Error ellipse: s-maj=95.9km s-min=12.1km az=-1.0.
ISC XI 08 14 34 02.1–2.5 13.93N–.07 92.13W–.06 10–14 4.4b,3.6s 49 1-146
ISCJB XI 08 14 34 01.4–1.4 13.86N–.05 92.18W–.04 17–10 4.2b,3.6s ¶602051318
UCR XI 08 14 34 01.8–.78 13.94N 92.26W 82–110 4.3b,3.3L
NEIC XI 08 14 34 05.3–.70 13.86N 92.15W 35 4.3b,4.1
MEX XI 08 14 34 05.6–.59 13.94N 92.18W 13–109 4.1,4.1
IDC XI 08 14 34 08.5–3.6 13.87N 91.98W 62–32 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.1km az=38.4.
UCR Error ellipse: s-maj=32.5km s-min=26.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.9km az=47.0.
MEX Error ellipse: s-maj=89.5km s-min=23.7km az=-1.0.
IDC Error ellipse: s-maj=28.3km s-min=11.6km az=57.0.
ISC XI 08 15 41 58.1–1.7 13.8N–.10 92.10W–.07 10 3.2s 16 1-146
IDC XI 08 15 41 55.0–3.1 13.57N 92.05W 0 4.0,3.7 ¶602389038
MEX XI 08 15 41 56.5–.35 13.51N 92.07W 15 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=62.2km s-min=35.3km az=5.0.
MEX Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0.
MEX XI 08 16 16 26.4–.58 13.97N 92.26W 70–17 3.8

¶603826587

MEX Error ellipse: s-maj=8.8km s-min=8.3km az=-1.0.
ISC XI 08 17 29 28.1–1.2 13.7N–.10 92.05W–.08 37 4.1b 26 2-146
IDC XI 08 17 29 21.9–1.8 13.50N 91.81W 0 4.3,4.0 **¶602054280**
ISCJB XI 08 17 29 26.0–.86 13.60N–.08 92.06W–.09 37 4.1b,3.6s
MEX XI 08 17 29 25.3–.35 13.45N 92.09W 15 3.9,3.6s
NEIC XI 08 17 29 29.1–1.2 13.82N 91.90W 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=16.8km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=8.1km az=137.5.
MEX Error ellipse: s-maj=3.2km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=12.3km az=27.0.
MEX XI 08 18 43 44.2–.56 13.66N 92.09W 95–42 3.8
IDC XI 08 18 43 43.0–5.7 14.56N 90.60W 0 3.8,3.5 **¶602389046**
MEX Error ellipse: s-maj=22.0km s-min=22.0km az=-1.0.
IDC Error ellipse: s-maj=385.8km s-min=73.9km az=47.0.
MEX XI 08 18 51 23.1–.44 13.76N 92.44W 15–77 3.8

¶603826588

MEX Error ellipse: s-maj=66.6km s-min=13.4km az=-1.0.
ISC XI 08 20 26 53.1–1.3 14.0N–.10 92.20W–.08 46 3.8b 15 2-146
IDC XI 08 20 26 46.6–1.9 13.80N 92.22W 0 4.0,3.8 **¶602389051**
ISCJB XI 08 20 26 51.1–1.2 13.90N–.09 92.26W–.07 46 3.8b,3.8
MEX XI 08 20 26 51.9–.37 13.88N 92.36W 16–121 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=22.0km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.7km az=15.5.
MEX Error ellipse: s-maj=102.8km s-min=14.8km az=-1.0.
ISC XI 08 22 13 04.2–.93 13.90N–.10 92.32W–.08 46 4.0b 23 2-146
IDC XI 08 22 12 58.4–2.8 13.84N 92.31W 0 3.9,3.8b **¶602051325**
NEIC XI 08 22 13 02.9–.80 13.79N 92.28W 35 4.2b,3.9
ISCJB XI 08 22 13 03.1–.84 13.94N–.07 92.35W–.06 46 4.1b,3.9
MEX XI 08 22 13 03.2–.43 13.88N 92.31W 25–26 3.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=26.0km az=4.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.9km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.5km az=30.9.
MEX Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
MEX XI 08 23 28 38.6–.55 13.90N 92.24W 22–33 3.9

¶603826593

MEX Error ellipse: s-maj=5.1km s-min=8.6km az=-1.0.
MEX XI 08 23 56 26.7–.36 13.74N 92.90W 20–16 4.0

¶603826594

MEX Error ellipse: s-maj=4.0km s-min=6.2km az=-1.0.
ISC XI 09 07 27 52.0–1.0 13.99N–.09 92.66W–.09 46 4.4b 27 1-146
IDC XI 09 07 27 44.4–3.5 13.94N 91.94W 0 4.2,4.1b **¶602051341**
ISCJB XI 09 07 27 50.6–.78 14.02N–.06 92.54W–.08 46 4.3b,3.8s
MEX XI 09 07 27 50.4–.49 13.92N 92.77W 27–15 3.9,3.8s
NEIC XI 09 07 27 51.1–1.1 13.93N 92.57W 35 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=162.6km s-min=30.0km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.0km az=158.7.
MEX Error ellipse: s-maj=4.7km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=12.2km az=213.0.
ISC XI 09 12 14 31.1–2.2 13.91N–.08 92.11W–.07 4–12 3.9b 42 1-146
IDC XI 09 12 14 30.4–1.8 13.87N 92.13W 0 4.1,3.8 **¶602051346**
ISCJB XI 09 12 14 32.1–1.5 13.96N–.05 92.13W–.06 14–9 3.9b,3.2s
MEX XI 09 12 14 32.8–.39 13.79N 92.17W 15 3.9,3.2s
NEIC XI 09 12 14 34.7–1.3 13.78N 92.12W 35 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=16.1km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=145.6.
MEX Error ellipse: s-maj=3.5km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=10.3km az=210.0.
ISC XI 09 12 43 07.0–.89 13.96N–.09 92.55W–.07 46 4.4b 56 1-146
IDC XI 09 12 43 00.4–1.4 13.80N 92.49W 0 4.3,4.0b **¶602051347**
ISCJB XI 09 12 43 05.8–.56 13.97N–.05 92.46W–.06 46 4.3b,3.5s
MEX XI 09 12 43 05.5–.46 13.87N 92.64W 15 4.0,3.5s
NEIC XI 09 12 43 05.5–4.1 13.85N 92.48W 33–27 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=21.8km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=163.6.
MEX Error ellipse: s-maj=5.9km s-min=8.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.3km az=205.0.
ISC XI 09 13 06 11.0–1.6 14.0N–.10 92.58W–.08 35 15 1-146
IDC XI 09 13 06 04.5–2.8 13.70N 92.68W 0 3.8,3.7b **¶602389093**
MEX XI 09 13 06 07.9–.41 13.73N 92.71W 24–22 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=60.2km s-min=32.7km az=20.0.
MEX Error ellipse: s-maj=5.1km s-min=6.6km az=-1.0.
ISC XI 09 17 04 58.9–1.5 14.0N–.10 92.09W–.07 35 3.6b 18 1-146
IDC XI 09 17 04 50.9–2.6 13.61N 92.06W 0 4.0,3.7 **¶602389104**
MEX XI 09 17 04 57.3–.45 13.95N 92.10W 4–104 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=26.6km az=179.0.
MEX Error ellipse: s-maj=84.7km s-min=24.9km az=-1.0.
ISC XI 09 18 32 18.5–2.1 13.77N–.08 92.45W–.07 26–14 4.4b 65 1-146
IDC XI 09 18 32 12.3–1.8 13.27N 92.57W 0 4.1,3.9 **¶602054286**
NEIC XI 09 18 32 16.6–4.2 13.58N 92.49W 18–27 4.4b,3.9
MEX XI 09 18 32 29.2–.76 14.29N 92.60W 16–999 3.7,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=19.6km az=29.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=8.3km az=211.0.
MEX Error ellipse: s-maj=9.1km s-min=9.9km az=-1.0.
ISC XI 09 18 36 19.6–1.8 13.8N–.10 92.24W–.07 35 3.0s 15 1-146
MEX XI 09 18 36 13.8–.69 13.42N 92.10W 15 3.7 **¶602389106**
IDC XI 09 18 36 13.5–2.9 13.59N 92.21W 0 3.9,3.6b
ISC Event type ke.
MEX Error ellipse: s-maj=5.1km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=50.6km s-min=27.7km az=178.0.
MEX XI 10 00 32 37.6–.36 13.89N 92.44W 23–14 3.7

¶603826612

MEX Error ellipse: s-maj=4.2km s-min=6.7km az=-1.0.
MEX XI 10 02 36 12.9–.34 13.78N 92.63W 6–134 3.9

¶603826614

MEX Error ellipse: s-maj=114.1km s-min=5.7km az=-1.0.
MEX XI 10 05 03 11.2–.44 13.58N 92.38W 16–25 3.7

¶603826618

MEX Error ellipse: s-maj=5.5km s-min=18.8km az=-1.0.
MEX XI 10 08 14 50.1–.66 13.97N 92.25W 73–33 3.8

¶603826622

MEX Error ellipse: s-maj=20.0km s-min=18.5km az=-1.0.
MEX XI 10 11 39 20.8–.55 13.73N 92.63W 27–74 3.9

¶603826626

MEX Error ellipse: s-maj=7.7km s-min=40.9km az=-1.0.
MEX XI 10 14 04 09.8–.60 13.89N 92.43W 12–165 3.7

¶603826628

MEX Error ellipse: s-maj=141.1km s-min=15.3km az=-1.0.
ISC XI 10 15 15 21.3–.88 13.9N–.10 92.44W–.08 46 4.0b 16 2-146
IDC XI 10 15 15 14.7–1.2 13.80N 92.40W 0 4.2,4.0 **¶602389161**
ISCJB XI 10 15 15 19.1–.88 13.88N–.09 92.48W–.07 46 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 10 17 15 09.6–.40 13.94N–.05 92.29W–.05 38–1 5.0b,4.6s 550 1-153
GCMT XI 10 17 15 07.9–.20 13.79N–.01 92.65W–.02 12 5.2W,4.6s **¶602389166**
NEIC XI 10 17 15 09.9–.42 13.82N 92.22W 42–3 5.2,5.1b
UCR XI 10 17 15 09.0–1.3 15.42N 91.86W 36 5.2b,4.3L
IDC XI 10 17 15 09.2–2.9 13.96N 92.05W 33–20 4.6,4.6
MOS XI 10 17 15 09.1–1.1 13.96N 92.20W 42 5.2b,4.6
ISCJB XI 10 17 15 09.0–.44 13.83N–.02 92.27W–.02 49–3 5.0b,4.7s
BJI XI 10 17 15 10.1 13.80N 92.20W 39 5.5b,5.5s
MEX XI 10 17 15 15.5–.70 14.23N 92.50W 17–103 5.2,5.5s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c70; s99,c151;Duration: 1ś0
Moment tensor: Scale 10^{16}Nm; M_{rr}6.31±.14 $M_{\theta\theta}$-4.64±.12; $M_{\phi\phi}$-1.66±.14; $M_{r\theta}$3.46±.40; $M_{\theta\phi}$2.60±.11; $M_{\phi r}$-3.86±.49; Best double couple: NP1:ϕ_s131.00000°,δ65.00000°,λ99.00000°. NP2:ϕ_s290.00000°,δ27.00000°,λ71.00000°. Principal axes: T 8.2970,Plg69.0000° ,Azm59.0000°; N -0.3890,Plg8.0000°,Azm307.0000°; P -7.8980,Plg20.0000°,Azm214.0000° M_o8.09700×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=223.0.
UCR Error ellipse: s-maj=16.7km s-min=14.7km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=9.6km az=55.0.
MOS Error ellipse: s-maj=11.8km s-min=5.2km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=44.8.
MEX Error ellipse: s-maj=88.1km s-min=7.2km az=-1.0.
ISC XI 10 17 51 55.6–.76 13.81N–.08 92.32W–.08 37 4.5b,4.0s 119 1-146
IDC XI 10 17 51 50.5–3.0 13.73N 92.25W 0 4.4,4.0 **¶602054293**
ISCJB XI 10 17 51 53.9–.40 13.84N–.04 92.20W–.04 37 4.5b,3.9s
MEX XI 10 17 51 54.6–.43 13.73N 92.38W 15 3.9,3.9s
NEIC XI 10 17 51 56.6–.63 13.92N 92.16W 40–5 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=25.5km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=41.3.
MEX Error ellipse: s-maj=3.9km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=213.0.
MEX XI 10 22 48 29.6–.39 13.88N 92.47W 12–89 3.8

¶603826637

MEX Error ellipse: s-maj=75.6km s-min=7.0km az=-1.0.
ISC XI 10 23 04 07.0–3.6 13.87N–.08 92.51W–.10 6–23 3.7b 20 1-146
IDC XI 10 23 04 05.7–1.4 13.70N 92.63W 0 4.0,3.8 **¶602389176**
ISCJB XI 10 23 04 07.7–1.9 13.85N–.07 92.68W–.07 18–13 3.7b,3.8
MEX XI 10 23 04 10.9–.61 13.85N 92.61W 12–157 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=21.5km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=9.8km az=145.5.
MEX Error ellipse: s-maj=134.3km s-min=7.8km az=-1.0.
ISC XI 11 04 27 29.4–1.5 13.8N–.10 92.13W–.08 35 3.8b 16 1-146
IDC XI 11 04 27 20.2–2.5 13.30N 91.93W 0 4.1,3.8b **¶602389200**
MEX XI 11 04 27 24.5–.39 13.59N 92.01W 15–105 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=43.6km s-min=28.8km az=173.0.
MEX Error ellipse: s-maj=84.8km s-min=28.3km az=-1.0.
MEX XI 11 06 38 51.6–.28 13.99N 92.15W 10 3.8

¶603826639

MEX Error ellipse: s-maj=4.4km s-min=8.4km az=-1.0.
ISC XI 11 09 51 31.8–1.2 13.76N–.09 92.50W–.09 46 4.1b 39 1-37
MEX XI 11 09 51 30.7–.61 13.79N 92.60W 6–211 3.8 **¶602051362**
NEIC XI 11 09 51 30.6–3.2 13.75N 92.41W 31–26 4.0b,3.8
ISCJB XI 11 09 51 31.2–.95 13.85N–.08 92.36W–.10 46 4.0b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MEX XI 11 10 53 45.6–.38 13.99N 92.32W 15–95 3.6

¶603826644

MEX Error ellipse: s-maj=78.5km s-min=13.5km az=-1.0.
ISC XI 11 15 45 17.5–1.5 13.86N–.09 92.28W–.07 49–12 4.7b,3.9s 374 1-148
IDC XI 11 15 45 11.3–.99 13.88N 91.99W 0 4.7,4.4 **¶601883946**
MEX XI 11 15 45 13.5–.57 13.60N 92.52W 15 4.3,4.4
NEIC XI 11 15 45 16.8–.30 13.91N 92.10W 35 4.7b,4.3
ISCJB XI 11 15 45 17.7–.78 13.94N–.05 92.10W–.03 60–5 4.7b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 20 31 22.4–3.4 13.6N–.40 92.2W–.10 37 5 2-146
IDC XI 11 20 31 18.1–2.4 13.71N 92.17W 0 3.7,3.4 **¶602389238**
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=17.9km az=170.0.
ISC XI 11 22 28 05.5–1.0 13.6N–.10 92.27W–.10 37 4.4b 28 2-146
ISCJB XI 11 22 28 03.0–.75 13.55N–.08 92.42W–.08 37 4.4b **¶602058432**
NEIC XI 11 22 28 05.8–.90 13.70N 92.31W 35 4.8b
IDC XI 11 22 28 06.2–7.4 13.89N 91.98W 34–41 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.5km az=40.3.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=9.3km az=209.0.
IDC Error ellipse: s-maj=73.6km s-min=25.0km az=19.0.
ISC XI 11 22 31 26.1–2.1 13.95N–.07 92.50W–.06 5–12 4.3b 69 1-146
UCR XI 11 22 31 11.5–.62 14.37N 93.65W 20–999 4.2b,4.0L **¶601888238**
NEIC XI 11 22 31 29.1–.00 13.95N 92.53W 16 4.5,4.4b
MEX XI 11 22 31 29.1–.40 13.97N 92.49W 41–25 3.7,4.4b
IDC XI 11 22 31 29.7–4.5 14.02N 92.21W 34–32 4.1,4.0
ISC Event type se.
UCR Error ellipse: s-maj=399.7km s-min=999.9km az=-1.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.0km s-min=6.6km az=-1.0.
IDC Error ellipse: s-maj=35.1km s-min=16.6km az=38.0.
ISC XI 11 22 37 42.0–1.3 13.74N–.10 92.30W–.08 10 3.8b 19 1-146
MEX XI 11 22 37 45.3–.72 13.84N 91.64W 57–47 3.8 **¶602389244**
IDC XI 11 22 37 45.2–7.2 13.84N 92.31W 28–40 3.7,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=16.0km s-min=25.1km az=-1.0.
IDC Error ellipse: s-maj=58.1km s-min=25.1km az=17.0.
ISC XI 11 22 44 30.3–.55 13.75N–.05 92.27W–.05 40–5 4.9b 736 1-148
MEX XI 11 22 44 27.3–.37 13.58N 92.29W 24–19 5.0 **¶602058436**
MOS XI 11 22 44 28.4–1.1 13.78N 92.11W 33 5.0b
UCR XI 11 22 44 28.7–.83 13.85N 92.29W 96–35 4.9b,4.0L
GCMT XI 11 22 44 29.4–.60 13.61N–.03 92.26W–.05 20–1 5.3W,4.0L
IDC XI 11 22 44 29.4–3.1 13.81N 92.07W 32–21 5.3s,5.2
NEIC XI 11 22 44 30.4–.23 13.76N 92.07W 35 5.0,4.9b
ISCJB XI 11 22 44 32.2–.41 13.93N–.02 92.02W–.02 62–3 4.9b,4.9b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s69,c96;Duration: 1ś1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.97±.10 $M_{\theta\theta}$-0.92±.07; $M_{\phi\phi}$-0.05±.06; $M_{r\theta}$0.12±.10; $M_{\theta\phi}$0.34±.04; $M_{\phi r}$0.67±.13; Best double couple: NP1:ϕ_s315.00000°,δ55.00000°,λ125.00000°. NP2:ϕ_s85.00000°,δ48.00000°,λ51.00000°. Principal axes: T 1.3350,Plg62.0000° ,Azm284.0000°; N -0.2920,Plg28.0000°,Azm113.0000°; P -1.0430,Plg4.0000°,Azm21.0000° M_o1.18900×10^{17}
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 22 48 17.1–2.3 13.9N–.30 92.4W–.10 54 3.7b 8 2-146
IDC XI 11 22 48 14.7–8.1 14.04N 92.22W 28–46 3.9,3.7 **¶602389247**
ISC Event type ke.
IDC Error ellipse: s-maj=68.5km s-min=32.5km az=15.0.
ISC XI 11 22 49 37.6–.80 13.84N–.09 92.38W–.09 46 4.1b 44 2-146
ISCJB XI 11 22 49 36.6–.57 13.91N–.06 92.32W–.07 46 4.1b **¶602058435**
NEIC XI 11 22 49 37.0–.61 13.81N 92.37W 35 4.4b
IDC XI 11 22 49 37.6–3.9 13.99N 92.17W 35–29 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=136.7.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.3km az=221.0.
IDC Error ellipse: s-maj=29.6km s-min=14.1km az=45.0.
ISC XI 11 22 54 53.1–1.1 13.93N–.06 92.24W–.05 47–9 4.6b 440 1-148
MEX XI 11 22 54 51.0–.68 13.85N 92.41W 4–72 4.2 **¶601884081**
UCR XI 11 22 54 51.1–.91 13.95N 92.29W 77–54 4.6b,4.0L
IDC XI 11 22 54 52.0–3.3 14.00N 91.93W 33–23 4.4L,4.3
NEIC XI 11 22 54 52.4–.34 13.85N 92.10W 35 4.7,4.6b
ISCJB XI 11 22 54 54.3–.47 14.04N–.03 92.02W–.03 64–4 4.6b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 22 59 30.0–1.2 13.7N–.10 92.49W–.08 32 3.5b 10 2-146
IDC XI 11 22 59 25.9–1.9 13.73N 92.45W 0 4.0,3.7 **¶602389248**

ISCJB XI 11 22 59 27.1–1.2 13.5N–.10 92.54W–.07 32 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 23 07 18.0–.60 13.80N–.07 92.50W–.07 10 4.0b 24 2-146
ISCJB XI 11 23 07 16.2–.52 13.72N–.06 92.61W–.06 10 4.0b **¶601991733**
IDC XI 11 23 07 16.7–1.2 13.78N 92.52W 0 4.2,4.0b
NEIC XI 11 23 07 21.7–.51 13.81N 92.52W 35 4.0b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=138.3.
IDC Error ellipse: s-maj=28.9km s-min=17.5km az=37.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.7km az=57.0.
ISC XI 11 23 21 14.0–.81 13.96N–.05 92.48W–.04 41–7 5.0b 726 1-148
UCR XI 11 23 20 58.1–1.1 13.87N 93.57W 35 5.0b,4.9L **¶601884084**
MOS XI 11 23 21 11.9–1.5 13.93N 92.32W 33 5.2b,4.9L
MEX XI 11 23 21 12.4–.73 14.00N 92.45W 4–63 5.0,4.9L
IDC XI 11 23 21 13.7–2.2 13.97N 92.29W 39–18 4.8s,4.8
NEIC XI 11 23 21 13.5–.93 13.90N 92.30W 34–6 5.0,5.0b
ISCJB XI 11 23 21 15.0–.46 13.97N–.02 92.27W–.02 65–4 4.9b,5.0b
BJI XI 11 23 21 15.0 13.90N 92.30W 40 5.4s,5.2
ISC Event type se.
UCR Error ellipse: s-maj=22.4km s-min=16.4km az=-1.0.
MOS Error ellipse: s-maj=11.4km s-min=5.0km az=109.4.
MEX Error ellipse: s-maj=56.0km s-min=12.2km az=-1.0.
IDC Error ellipse: s-maj=20.2km s-min=9.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=219.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.7km az=138.8.
ISC XI 11 23 49 23.6–1.7 14.00N–.06 92.39W–.05 17–10 4.5b 210 1-146
IDC XI 11 23 49 20.7–.74 13.97N 92.46W 0 4.4,4.3s **¶601885140**
MEX XI 11 23 49 23.0–.47 13.90N 92.54W 9–41 4.3,4.3s
ISCJB XI 11 23 49 25.3–.75 14.05N–.04 92.25W–.04 39–6 4.4b,4.1s
NEIC XI 11 23 49 26.9–.52 14.04N 92.30W 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=11.6km az=49.0.
MEX Error ellipse: s-maj=35.8km s-min=6.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=41.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.1km az=216.0.
ISC XI 11 23 53 08.4–1.3 14.0N–.10 92.48W–.08 10 3.6b 10 2-146
ISCJB XI 11 23 53 06.3–1.2 13.8N–.10 92.60W–.07 10 3.6b **¶602389251**
IDC XI 11 23 53 06.1–2.3 13.81N 92.53W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=8.5km az=19.1.
IDC Error ellipse: s-maj=48.3km s-min=23.9km az=14.0.
ISC XI 11 23 57 04.1–1.2 13.5N–.10 92.27W–.08 10 3.8b 15 1-146
IDC XI 11 23 57 02.3–1.4 13.27N 92.31W 0 4.0,3.8 **¶602389253**
MEX XI 11 23 57 10.7–.45 13.87N 92.37W 23–22 3.6,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=24.1km az=50.0.
MEX Error ellipse: s-maj=5.1km s-min=8.5km az=-1.0.
ISC XI 12 00 00 08.5–.64 13.78N–.08 92.14W–.07 10 4.6b 161 2-146
IDC XI 12 00 00 06.7–.72 13.71N 92.16W 0 4.4,4.2 **¶601888240**
ISCJB XI 12 00 00 07.3–.47 13.77N–.05 92.09W–.04 10 4.5b,4.0s
NEIC XI 12 00 00 13.3–.54 13.84N 92.15W 35 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=13.2km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=11.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=210.0.
ISC XI 12 00 44 12.7–1.5 14.0N–.10 92.26W–.09 35 3.6b 16 1-146
IDC XI 12 00 44 04.8–3.2 13.55N 92.29W 0 3.9,3.6 **¶602389258**
MEX XI 12 00 44 12.1–.36 13.88N 92.27W 16–95 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=65.6km s-min=34.7km az=5.0.
MEX Error ellipse: s-maj=78.5km s-min=16.7km az=-1.0.
ISC XI 12 00 56 20.4–1.0 13.93N–.07 92.36W–.09 10 4.0b 18 1-146
ISCJB XI 12 00 56 17.6–.59 13.82N–.05 92.36W–.08 10 4.0b **¶601991745**
IDC XI 12 00 56 18.1–1.2 13.80N 92.38W 0 4.1,3.9b
NEIC XI 12 00 56 22.6–.57 13.75N 92.40W 35 4.2b,3.9b
MEX XI 12 00 56 24.1–.48 13.91N 92.45W 16–113 3.7,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.2km az=158.3.
IDC Error ellipse: s-maj=23.4km s-min=16.4km az=7.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.9km az=53.0.
MEX Error ellipse: s-maj=95.7km s-min=10.7km az=-1.0.
ISC XI 12 01 45 24.6–1.2 13.95N–.09 92.35W–.09 10 3.7b 17 1-146
ISCJB XI 12 01 45 21.6–.98 13.80N–.06 92.39W–.08 10 3.7b,3.5s **¶602389263**
IDC XI 12 01 45 22.9–1.8 13.89N 92.27W 0 4.0,3.7b
MEX XI 12 01 45 22.5–.33 13.65N 92.69W 20–21 3.7,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.1km az=149.6.
IDC Error ellipse: s-maj=32.8km s-min=16.6km az=175.0.
MEX Error ellipse: s-maj=5.2km s-min=9.9km az=-1.0.
MEX XI 12 03 00 33.7–.37 13.89N 92.51W 14–116 3.6
¶603826658
MEX Error ellipse: s-maj=98.6km s-min=10.3km az=-1.0.
ISC XI 12 03 02 59.0–.49 13.94N–.06 92.38W–.06 35 4.6b,4.2s 377 1-146
ISCJB XI 12 03 02 58.4–.24 14.05N–.03 92.22W–.03 35 4.6b,4.2s **¶601884091**
IDC XI 12 03 02 59.5–3.3 14.13N 92.06W 33–23 4.3,4.3
NEIC XI 12 03 02 59.7–.39 13.98N 92.21W 35 4.8,4.6b
MEX XI 12 03 03 00.2–.41 14.06N 92.64W 13–31 4.8,4.6b
GCMT XI 12 03 03 02.7–.70 14.02N–.03 92.76W–.04 23–1 5.0W,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c29; s62,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.27±.28 $M_{\theta\theta}$-2.26±.18; $M_{\phi\phi}$-1.01±.17; $M_{r\theta}$0.84±.20; $M_{\theta\phi}$1.55±.10; $M_{\phi r}$-1.66±.23; Best double couple: NP1:ϕ_s137.00000°,δ60.00000°,λ104.00000°. NP2:ϕ_s291.00000°,δ33.00000°,λ68.00000°. Principal axes: T 3.8540,Plg72.0000° ,Azm80.0000°; N -0.1550,Plg12.0000°,Azm310.0000°; P -3.6990,Plg14.0000° ,Azm217.0000° M_o3.77600×10^{16}
ISC XI 12 03 19 14.0–1.3 14.0N–.20 92.4W–.10 35 9 2-83
IDC XI 12 03 19 09.8–2.2 14.09N 92.41W 0 3.7,3.6b **¶602389267**
ISCJB XI 12 03 19 11.4–1.4 13.9N–.20 92.5W–.10 35 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 12 05 45 33.6–1.9 13.95N–.06 92.39W–.06 10–11 4.1b 69 1-146
IDC XI 12 05 45 30.9–1.0 13.88N 92.38W 0 4.0,3.9 **¶601888242**
MEX XI 12 05 45 32.4–.37 13.79N 92.53W 8–119 4.2,3.9
ISCJB XI 12 05 45 33.1–1.3 13.92N–.04 92.41W–.04 23–9 4.0b,3.9s
NEIC XI 12 05 45 37.6–.78 14.04N 92.39W 35 4.2,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=14.4km az=19.0.
MEX Error ellipse: s-maj=101.3km s-min=6.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=39.9.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=6.8km az=208.0.
ISC XI 12 05 56 49.8–.69 13.71N–.09 92.31W–.07 35 4.4b 36 2-146
IDC XI 12 05 56 45.3–.97 13.74N 92.29W 0 4.1,4.0b **¶602056137**
ISCJB XI 12 05 56 48.2–.63 13.74N–.08 92.26W–.06 35 4.2b,4.0b
NEIC XI 12 05 56 49.4–2.8 13.76N 92.23W 28–21 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=13.1km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.7km az=30.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.0km az=215.0.
MEX XI 12 06 40 37.1–.39 13.90N 92.36W 15–107 3.9
¶603826665
MEX Error ellipse: s-maj=90.2km s-min=15.2km az=-1.0.
MEX XI 12 07 13 19.5–.46 13.88N 92.46W 16–135 3.9
¶603826666
MEX Error ellipse: s-maj=114.1km s-min=14.8km az=-1.0.
MEX XI 12 11 34 43.3–.43 13.93N 92.45W 32–10 3.9
¶603826671
MEX Error ellipse: s-maj=4.8km s-min=9.2km az=-1.0.

ISC XI 12 14 18 28.5–.83 13.76N–.10 92.53W–.06 35 4.3b 42 2-146
UCR XI 12 14 18 21.5–.49 14.09N 92.79W 108–67 4.4b,3.6L **¶601991785**
IDC XI 12 14 18 23.8–1.1 13.75N 92.44W 0 4.1,3.9
ISCJB XI 12 14 18 26.1–.62 13.66N–.08 92.50W–.04 35 4.2b,3.9
NEIC XI 12 14 18 26.9–3.4 13.69N 92.49W 24–24 4.4b,3.9
ISC Event type se.
UCR Error ellipse: s-maj=26.2km s-min=21.9km az=-1.0.
IDC Error ellipse: s-maj=30.5km s-min=17.8km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.1km az=20.5.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.7km az=217.0.
ISC XI 12 15 08 08.5–4.0 13.98N–.09 92.53W–.08 33–21 3.9b 43 1-146
UCR XI 12 15 08 03.6–.98 14.21N 92.74W 87–93 4.5b,3.7L **¶602058439**
IDC XI 12 15 08 03.5–1.2 13.75N 92.43W 0 4.0s,4.0
ISCJB XI 12 15 08 04.3–1.4 13.89N–.05 92.59W–.05 19–10 4.0b,4.0
MEX XI 12 15 08 08.6–.48 13.95N 92.50W 35–27 4.0,4.0
NEIC XI 12 15 08 08.2–.77 13.81N 92.47W 35 4.5b,4.0
ISC Event type se.
UCR Error ellipse: s-maj=48.0km s-min=21.2km az=-1.0.
IDC Error ellipse: s-maj=33.3km s-min=18.8km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.7km az=41.6.
MEX Error ellipse: s-maj=6.2km s-min=7.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.4km az=213.0.
ISC XI 12 21 38 48.5–2.5 13.96N–.08 92.51W–.09 24–16 3.9b 40 1-146
UCR XI 12 21 38 39.6–.70 14.34N 93.11W 20 4.0L,3.9b **¶602054309**
IDC XI 12 21 38 44.0–1.2 13.86N 92.50W 0 4.1,3.9
ISCJB XI 12 21 38 49.2–1.2 13.97N–.07 92.49W–.09 44–11 3.9b,3.9
NEIC XI 12 21 38 49.9–.85 13.87N 92.60W 35 4.0,3.9b
MEX XI 12 21 38 51.7–.70 13.99N 92.53W 15–142 4.0,3.9b
ISC Event type se.
UCR Error ellipse: s-maj=43.1km s-min=10.6km az=-1.0.
IDC Error ellipse: s-maj=39.6km s-min=18.4km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=5.8km az=139.6.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.3km az=47.0.
MEX Error ellipse: s-maj=121.8km s-min=9.4km az=-1.0.
ISC XI 13 05 31 58.2–.80 13.82N–.05 92.10W–.05 50–7 4.6b 668 1-148
NEIC XI 13 05 31 57.0–.20 13.72N 92.03W 35 4.8,4.6b **¶601890537**
ISCJB XI 13 05 31 58.6–.40 13.88N–.02 91.93W–.02 64–3 4.6b,4.6b
MEX XI 13 05 31 58.5–.67 13.93N 92.27W 11–173 4.8,4.6b
UCR XI 13 05 31 59.8–1.4 13.74N 91.80W 20 4.6b,4.2L
IDC XI 13 05 32 01.9–2.2 13.81N 91.84W 84–18 4.3s,4.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0. Felt at San Marcos.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=139.9.
MEX Error ellipse: s-maj=142.5km s-min=32.7km az=-1.0.
UCR Error ellipse: s-maj=18.7km s-min=17.3km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=8.3km az=58.0.
ISC XI 13 06 11 33.5–.87 13.8N–.10 92.25W–.07 54 3.6b 18 2-63
IDC XI 13 06 11 27.8–1.7 13.88N 92.23W 0 4.0,3.8 **¶602389324**
ISCJB XI 13 06 11 30.6–.64 13.68N–.08 92.25W–.06 54 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 13 09 07 59.3–1.6 13.97N–.05 92.39W–.05 16–8 4.8b,4.0s 651 1-148
IDC XI 13 09 07 56.8–.60 13.74N 92.44W 0 4.6,4.5L **¶601890804**
UCR XI 13 09 07 59.3–1.1 14.06N 92.53W 35 4.8b,4.0L
MEX XI 13 09 08 01.8–.46 13.90N 92.57W 22–12 4.6,4.0L
NEIC XI 13 09 08 02.5–.29 13.99N 92.26W 35 4.8b,4.6
ISCJB XI 13 09 08 03.2–.42 14.05N–.02 92.19W–.02 62–3 4.7b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MEX XI 13 10 56 50.7–.44 13.76N 92.16W 10 3.8
¶603826680
MEX Error ellipse: s-maj=4.7km s-min=11.7km az=-1.0.
ISC XI 13 15 02 55.3–3.9 13.57N–.08 92.43W–.07 28–29 4.4b 233 2-146
IDC XI 13 15 02 50.5–1.0 13.31N 92.50W 0 4.2,4.0 **¶602058461**
UCR XI 13 15 02 53.9–.92 13.44N 92.39W 35 4.5b,3.8L
ISCJB XI 13 15 02 54.3–1.7 13.75N–.05 92.29W–.03 27–12 4.4b,3.2s
MEX XI 13 15 02 54.6–.34 13.58N 92.88W 21–20 4.1,3.2s
NEIC XI 13 15 02 56.9–.57 13.69N 92.24W 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=13.7km az=44.0.
UCR Error ellipse: s-maj=18.3km s-min=7.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=29.6.
MEX Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=217.0.
MEX XI 13 17 21 19.1–.40 13.90N 92.98W 15–469 3.8
¶603826683
MEX Error ellipse: s-maj=105.5km s-min=28.1km az=-1.0.
MEX XI 13 20 14 47.4–.48 13.82N 92.50W 16–218 3.7
¶603826687
MEX Error ellipse: s-maj=185.2km s-min=15.2km az=-1.0.
MEX XI 13 20 46 43.2–.52 13.99N 92.76W 10 3.8
¶603826688
MEX Error ellipse: s-maj=5.8km s-min=7.7km az=-1.0.
ISC XI 14 00 09 34.9–2.1 14.00N–.09 92.07W–.07 25–13 4.1b 69 1-146
IDC XI 14 00 09 32.2–1.6 14.08N 92.16W 0 4.1,3.9 **¶601897594**
ISCJB XI 14 00 09 34.1–.98 13.93N–.07 92.11W–.05 33–8 4.0b,3.9
MEX XI 14 00 09 35.1–.49 13.83N 92.22W 17–144 3.9,3.9
NEIC XI 14 00 09 35.7–1.0 14.00N 92.14W 26–6 4.2b,3.9
UCR XI 14 00 09 36.6–1.1 14.13N 91.82W 124–35 4.2b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=14.2km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.0km az=36.1.
MEX Error ellipse: s-maj=118.2km s-min=29.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.5km az=207.0.
UCR Error ellipse: s-maj=42.1km s-min=21.6km az=-1.0.
MEX XI 14 12 31 13.5–.39 13.87N 92.38W 10–122 3.7
¶603826702
MEX Error ellipse: s-maj=101.7km s-min=17.5km az=-1.0.
ISC XI 14 15 11 03.7–2.3 13.95N–.09 92.36W–.08 13–13 3.7b 18 1-146
IDC XI 14 15 11 01.6–1.1 13.82N 92.51W 0 4.0,3.7 **¶602389391**
MEX XI 14 15 11 04.4–.73 13.84N 92.49W 10–214 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=17.7km az=49.0.
MEX Error ellipse: s-maj=181.4km s-min=16.3km az=-1.0.
MEX XI 14 17 50 57.1–.37 13.83N 92.80W 34–112 3.7
¶603826704
MEX Error ellipse: s-maj=94.5km s-min=18.6km az=-1.0.
ISC XI 15 02 59 59.2–2.5 14.0N–.10 92.37W–.07 14–13 3.9b,3.1s 16 1-63
IDC XI 15 02 59 54.5–3.9 13.65N 92.45W 0 3.9,3.7b **¶602389427**
MEX XI 15 03 00 00.4–.46 13.86N 92.42W 23–23 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=67.0km s-min=27.1km az=1.0.
MEX Error ellipse: s-maj=4.9km s-min=6.7km az=-1.0.
MEX XI 15 08 23 08.7–.46 13.90N 92.46W 15–112 3.9
¶603826713
MEX Error ellipse: s-maj=95.4km s-min=11.8km az=-1.0.
ISC XI 15 14 34 47.4–2.3 13.9N–.20 92.57W–.09 46 8 2-146
IDC XI 15 14 34 42.2–2.5 13.99N 92.52W 0 3.6,3.6b **¶602389463**
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=24.2km az=30.0.
ISC XI 15 15 09 59.7–2.2 13.8N–.20 92.77W–.09 46 8 3-146
IDC XI 15 15 09 55.6–2.4 14.04N 92.69W 0 3.9,3.7b **¶602389467**
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=22.8km az=34.0.
MEX XI 15 20 26 59.4–.49 13.94N 92.42W 11–120 3.8
¶603826727
MEX Error ellipse: s-maj=102.8km s-min=11.8km az=-1.0.
ISC XI 16 03 04 57.3–.64 13.98N–.07 92.61W–.08 46 4.4b,3.8s 69 1-146
ISCJB XI 16 03 04 56.0–.41 13.95N–.05 92.50W–.05 46 4.3b,3.8s **¶601992130**
NEIC XI 16 03 04 56.2–.45 13.83N 92.56W 35 4.4b,3.8s

MEX XI 16 03 04 56.5–.39 13.99N 92.87W 24–15 3.6,3.8s
IDC XI 16 03 04 57.8–5.8 14.20N 92.26W 33–35 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=44.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=218.0.
MEX Error ellipse: s-maj=4.9km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=67.1km s-min=20.6km az=32.0.
MEX XI 16 03 09 01.6–.35 13.71N 92.54W 15–151 3.9
¶603826737
MEX Error ellipse: s-maj=128.1km s-min=11.0km az=-1.0.
MEX XI 16 05 13 48.6–.56 13.92N 92.57W 33–34 3.7
¶603826739
MEX Error ellipse: s-maj=7.8km s-min=24.8km az=-1.0.
MEX XI 16 06 53 28.2–.54 13.97N 92.19W 14–120 3.9
¶603826740
MEX Error ellipse: s-maj=98.7km s-min=25.3km az=-1.0.
ISC XI 16 13 01 59.1–1.3 13.91N–.05 92.03W–.04 26–9 4.8b,4.5s 734 1-148
UCR XI 16 13 01 57.0–1.8 13.95N 92.25W 25 4.8b,4.5L **¶601906496**
MEX XI 16 13 01 58.8–.36 13.75N 92.10W 16–23 4.7,4.5L
GCMT XI 16 13 02 00.3–.20 13.80N–.01 92.22W–.02 19–0 5.1W,4.5L
NEIC XI 16 13 02 01.3–.27 13.87N 91.86W 35 4.8b,4.7
ISCJB XI 16 13 02 03.0–.40 14.01N–.02 91.77W–.02 73–3 4.7b,4.7
IDC XI 16 13 02 06.0–1.8 14.00N 91.64W 87–14 4.6,4.4
ISC Event type se.
UCR Error ellipse: s-maj=12.7km s-min=10.6km az=-1.0.
MEX Error ellipse: s-maj=4.9km s-min=6.5km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c88; s87,c139;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.15 $M_{\theta\theta}$-5.23±.12; $M_{\phi\phi}$2.01±.12; $M_{r\theta}$2.39±.23; $M_{\theta\phi}$0.43±.09; $M_{\phi r}$-0.97±.27; Best double couple: NP1:ϕ_s111.00000°,δ63.00000°,λ112.00000°. NP2:ϕ_s249.00000°,δ34.00000°,λ54.00000°. Principal axes: T 4.1650,Plg65.0000° ,Azm60.0000°; N 1.7410,Plg19.0000°,Azm280.0000°; P -5.9150,Plg15.0000°,Azm185.0000° M_o5.04000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=215.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=139.8.
IDC Error ellipse: s-maj=18.8km s-min=9.5km az=58.0.
MEX XI 16 13 39 08.0–.71 13.87N 92.09W 10 3.8
IDC XI 16 13 38 59.7–9.5 13.77N 91.36W 0 3.9,3.8L **¶602389513**
MEX Error ellipse: s-maj=5.9km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=210.3km s-min=98.6km az=13.0.
MEX XI 16 14 25 28.2–.49 13.90N 92.47W 15–123 3.7
¶603826747
MEX Error ellipse: s-maj=105.2km s-min=10.7km az=-1.0.
MEX XI 16 16 22 46.4–.45 13.97N 92.49W 10 3.8
¶603826749
MEX Error ellipse: s-maj=5.0km s-min=5.3km az=-1.0.
ISC XI 17 01 32 36.7–1.1 13.87N–.09 92.49W–.09 35 3.4b 18 1-146
IDC XI 17 01 32 32.0–1.4 13.73N 92.49W 0 3.8,3.6L **¶602389534**
MEX XI 17 01 32 32.7–.36 13.65N 92.46W 12–122 4.1,3.6L
ISCJB XI 17 01 32 34.5–.83 13.81N–.06 92.52W–.07 35 3.4b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 17 06 47 44.9–.51 13.93N–.06 92.63W–.07 46 4.4b,4.0s 252 1-146
MEX XI 17 06 47 35.8–.38 13.37N 92.78W 15 4.2,4.0s **¶602042639**
IDC XI 17 06 47 38.2–.69 13.97N 92.44W 0 4.4,4.2
NEIC XI 17 06 47 44.5–.27 14.01N 92.44W 35 4.4b,4.2
ISC Event type se.
MEX Error ellipse: s-maj=3.8km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=34.7km s-min=11.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=218.0.
ISC XI 17 07 03 37.1–1.1 13.7N–.10 92.21W–.08 35 3.6b 12 2-146
IDC XI 17 07 03 32.4–1.8 13.76N 92.19W 0 3.8,3.6 **¶602389556**
ISCJB XI 17 07 03 34.6–1.0 13.58N–.10 92.25W–.07 35 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 17 10 13 50.9–.86 13.93N–.07 92.46W–.06 10 4.3b,3.2s 52 1-146
IDC XI 17 10 13 50.9–1.3 13.99N 92.47W 0 4.1,3.8 **¶601909908**
ISCJB XI 17 10 13 51.6–.53 13.98N–.05 92.52W–.04 10 4.1b,3.3s
NEIC XI 17 10 13 57.1–.67 14.10N 92.40W 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=16.1km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.4km az=17.8.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.8km az=203.0.
MEX XI 17 11 55 40.9–.51 14.00N 92.55W 16–99 3.9
¶603826756
MEX Error ellipse: s-maj=85.8km s-min=5.6km az=-1.0.
ISC XI 17 14 14 19.6–1.4 13.9N–.10 92.74W–.07 35 3.6b 22 1-146
IDC XI 17 14 14 13.4–3.1 13.70N 92.74W 0 4.0,3.7 **¶602059973**
MEX XI 17 14 14 16.2–.50 13.68N 92.65W 9–134 4.0,3.7
NEIC XI 17 14 14 16.6–.00 13.63N 92.57W 16 4.2,3.7
ISC Event type se.
IDC Error ellipse: s-maj=62.7km s-min=27.6km az=1.0.
MEX Error ellipse: s-maj=115.8km s-min=7.6km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 17 14 35 37.2–1.6 13.5N–.10 92.34W–.08 35 3.8b 17 1-146
IDC XI 17 14 35 29.9–3.0 13.21N 92.25W 0 3.9,3.6 **¶602389569**
MEX XI 17 14 35 33.3–.30 13.28N 92.37W 10 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=54.8km s-min=30.6km az=167.0.
MEX Error ellipse: s-maj=3.2km s-min=6.9km az=-1.0.
ISC XI 17 20 44 02.0–.60 13.57N–.07 92.08W–.06 37 4.5b 135 1-146
IDC XI 17 20 43 56.6–.92 13.40N 91.98W 0 4.3,4.0 **¶601909924**
UCR XI 17 20 43 59.5–1.3 13.48N 92.09W 30 4.5b,4.0L
NEIC XI 17 20 44 01.6–2.5 13.64N 91.81W 28–17 4.5b,4.2
MEX XI 17 20 44 02.1–.48 13.68N 92.32W 7–127 4.2,4.2
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=15.3km az=51.0.
UCR Error ellipse: s-maj=21.4km s-min=18.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=218.0.
MEX Error ellipse: s-maj=106.4km s-min=17.6km az=-1.0.
ISC XI 17 21 19 27.4–2.5 13.90N–.07 92.37W–.07 27–17 4.4b 86 1-146
UCR XI 17 21 19 21.7–.71 14.03N 92.63W 15 4.5b,3.3L **¶601909928**
ISCJB XI 17 21 19 25.4–1.5 13.88N–.05 92.33W–.05 20–10 4.4b,3.6s
MEX XI 17 21 19 25.2–.45 13.76N 92.42W 10 3.8,3.6s
NEIC XI 17 21 19 28.8–.58 13.86N 92.28W 35 4.5b,3.6s
IDC XI 17 21 19 28.2–5.0 13.80N 92.38W 33–38 4.1,4.0
ISC Event type se.
UCR Error ellipse: s-maj=33.2km s-min=9.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=4.7km az=44.2.
MEX Error ellipse: s-maj=3.7km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=210.0.
IDC Error ellipse: s-maj=36.4km s-min=15.2km az=39.0.
MEX XI 18 17 40 34.0–.50 13.85N 92.43W 30–16 4.0
NEIC XI 18 17 40 34.7–.00 13.89N 92.43W 34 4.0 **¶602059980**
MEX Error ellipse: s-maj=5.5km s-min=13.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 18 19 43 22.7–.40 13.90N 92.45W 14–81 4.0
NEIC XI 18 19 43 22.8–.00 13.90N 92.45W 14 4.0 **¶602059976**
MEX Error ellipse: s-maj=69.3km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 18 22 12 48.4–.89 14.00N–.05 92.41W–.05 26–6 4.4b,3.3s 102 1-146
ISCJB XI 18 22 12 48.0–1.5 14.06N–.05 92.35W–.03 28–12 4.3b,3.4s **¶601992788**
MEX XI 18 22 12 50.1–.30 13.99N 92.52W 17–13 4.1,3.4s
NEIC XI 18 22 12 50.6–.58 13.98N 92.42W 35 4.4b,4.0
IDC XI 18 22 12 50.5–4.2 14.20N 92.21W 35–30 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.2km az=24.2.
MEX Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=29.0.
IDC Error ellipse: s-maj=34.4km s-min=17.9km az=31.0.
ISC XI 19 00 18 07.7–.78 13.9N–.10 92.6W–.10 46 4.1b 23 2-146
IDC XI 19 00 18 01.9–1.4 13.86N 92.54W 0 4.1,3.9b **¶601992801**
ISCJB XI 19 00 18 05.9–.68 13.88N–.09 92.6W–.10 46 4.1b,2.9s
NEIC XI 19 00 18 05.3–3.4 13.86N 92.55W 24–24 4.2b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=16.4km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=7.7km az=139.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=7.4km az=49.0.
ISC XI 19 08 15 35.7–.78 13.56N–.10 92.04W–.07 38–2 4.3b,3.8s 280 1-146
IDC XI 19 08 15 30.2–.95 13.48N 92.03W 0 4.3,4.1b **¶601992875**
MEX XI 19 08 15 35.7–.54 13.62N 92.13W 10 4.2,4.1b
NEIC XI 19 08 15 39.0–1.1 13.84N 91.67W 48–7 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=16.2km az=25.0.
MEX Error ellipse: s-maj=5.5km s-min=8.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.4km az=193.0.
ISC XI 20 00 59 18.0–1.2 13.71N–.06 92.13W–.04 41–10 4.5b,3.9s 430 2-146
UCR XI 20 00 59 13.2–.85 14.13N 92.35W 35–547 4.5b,3.9L **¶601993065**
MEX XI 20 00 59 16.9–.35 13.63N 92.16W 14–22 4.4,3.9L
NEIC XI 20 00 59 19.0–.33 13.82N 91.77W 35 4.5b,4.4
ISCJB XI 20 00 59 22.4–.52 13.99N–.03 91.63W–.03 84–4 4.4b,4.4
IDC XI 20 00 59 23.6–2.7 13.97N 91.59W 82–21 4.2,4.2
ISC Event type se.
UCR Error ellipse: s-maj=35.3km s-min=350.3km az=-1.0.
MEX Error ellipse: s-maj=18.5km s-min=10.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=43.6.
IDC Error ellipse: s-maj=30.6km s-min=12.6km az=51.0.
ISC XI 21 02 07 51.0–.81 13.97N–.08 92.68W–.07 46 4.2b 39 2-146
IDC XI 21 02 07 45.3–1.1 13.94N 92.68W 0 4.1,3.9 **¶602082075**
ISCJB XI 21 02 07 49.9–.65 14.05N–.07 92.60W–.06 46 4.1b,2.8s
NEIC XI 21 02 07 50.8–.75 14.07N 92.57W 35 4.4b,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=14.6km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=33.7.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.4km az=216.0.
MEX XI 21 08 20 48.2–.44 13.91N 92.27W 74–20 4.0
¶603826785
MEX Error ellipse: s-maj=10.8km s-min=9.6km az=-1.0.
ISC XI 22 03 32 49.0–1.4 13.8N–.20 92.7W–.10 46 3.8b,3.2s 9 2-146
IDC XI 22 03 32 42.8–1.5 13.75N 92.63W 0 4.0,3.7 **¶602389817**
ISCJB XI 22 03 32 47.3–1.3 13.8N–.20 92.6W–.10 46 3.7b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 22 04 53 52.5–1.2 13.8N–.20 92.6W–.10 35 3.8b 10 2-146
IDC XI 22 04 53 47.8–1.3 13.75N 92.50W 0 3.9,3.7 **¶602389823**
ISCJB XI 22 04 53 50.8–1.2 13.8N–.20 92.6W–.10 35 3.7b,3.5s
ISC Event type ke.
ISCJB Event type ke.
MEX XI 22 10 41 48.1–.64 13.77N 92.30W 90–35 3.9
¶603826793
MEX Error ellipse: s-maj=20.3km s-min=16.1km az=-1.0.
MEX XI 23 08 52 28.6–.93 13.57N 92.88W 20–999 3.8
¶603826803
MEX Error ellipse: s-maj=98.7km s-min=64.4km az=-1.0.
ISC XI 23 14 51 09.6–.77 13.67N–.09 92.40W–.08 35 4.0b,3.2s 26 2-146
IDC XI 23 14 51 04.3–1.1 13.54N 92.41W 0 4.1,4.0 **¶602389895**
ISCJB XI 23 14 51 08.4–.68 13.75N–.07 92.33W–.09 35 4.0b,3.4s
MEX XI 23 14 51 10.2–.43 13.84N 92.25W 102–16 3.8,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=13.6km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=5.2km az=141.4.
MEX Error ellipse: s-maj=10.2km s-min=14.3km az=-1.0.
MEX XI 23 17 56 36.7–.50 13.99N 92.35W 64–38 3.7
¶603826807
MEX Error ellipse: s-maj=18.4km s-min=14.0km az=-1.0.
MEX XI 24 03 03 35.2–.36 13.70N 92.87W 10–81 4.0
¶603826812
MEX Error ellipse: s-maj=68.9km s-min=9.9km az=-1.0.
ISC XI 24 10 12 51.2–.64 13.91N–.07 92.48W–.06 46 4.4b,3.7s 209 1-146
IDC XI 24 10 12 45.2–1.1 13.93N 92.37W 0 4.6,4.3 **¶601994118**
MEX XI 24 10 12 50.3–.55 13.87N 92.57W 16–86 3.8,4.3
NEIC XI 24 10 12 50.4–2.0 13.96N 92.29W 30–13 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=16.0km az=40.0.
MEX Error ellipse: s-maj=75.8km s-min=11.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=194.0.
ISC XI 24 11 21 06.0–1.6 13.91N–.05 92.49W–.04 30–10 4.9b,4.1s 683 1-160
UCR XI 24 11 21 00.6–1.7 13.53N 92.83W 35 4.9b,4.0L **¶601994132**
GCMT XI 24 11 21 06.5–.40 13.87N–.03 92.73W–.04 12–1 4.8W,4.0L
MEX XI 24 11 21 06.0–.37 13.83N 92.60W 20–28 4.0,4.0L
IDC XI 24 11 21 06.6–3.3 13.97N 92.27W 33–24 4.4,4.4
MOS XI 24 11 21 07.0–.89 14.03N 92.16W 48 4.9b,4.4
NEIC XI 24 11 21 07.5–.20 13.98N 92.21W 35 4.9b,4.4
ISCJB XI 24 11 21 08.9–.43 14.04N–.02 92.15W–.02 65–3 4.7b,4.4
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c31; s68,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.15 $M_{\theta\theta}$-1.39±.10; $M_{\phi\phi}$-0.51±.10; $M_{r\theta}$0.64±.27; $M_{\theta\phi}$0.86±.06; $M_{\phi r}$-0.84±.35; Best double couple: NP1:ϕ_s131.00000°,δ59.00000°,λ100.00000°. NP2:ϕ_s292.00000°,δ32.00000°,λ74.00000°. Principal axes: T 2.2110,Plg74.0000° ,Azm67.0000°; N -0.0500,Plg9.0000°,Azm306.0000°; P -2.1590,Plg14.0000°,Azm214.0000° M_o2.18500×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC XI 24 13 32 37.7–3.0 13.9N–.20 92.58W–.09 44–23 3.8b 23 1-146
IDC XI 24 13 32 27.8–2.4 13.29N 92.30W 0 3.9,3.7 **¶602060018**
ISCJB XI 24 13 32 35.6–2.0 13.9N–.10 92.5W–.10 35–15 3.7b,2.8s
MEX XI 24 13 32 37.3–.34 13.83N 92.55W 15–123 4.0,2.8s
NEIC XI 24 13 32 49.8–3.1 14.91N 92.78W 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=34.0km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=15.4km az=33.4.
MEX Error ellipse: s-maj=105.6km s-min=7.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=51.0km s-min=16.5km az=210.0.
ISC XI 25 04 22 55.1–1.1 13.86N–.10 92.33W–.08 10 3.8b,3.6s 14 1-146
MEX XI 25 04 22 34.6–.33 14.91N 93.56W 181–6 3.9,3.6s **¶602389954**
IDC XI 25 04 22 53.0–1.3 13.71N 92.43W 0 4.0,3.8
ISC Event type ke.
MEX Error ellipse: s-maj=8.6km s-min=8.2km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=22.5km az=45.0.
MEX XI 25 05 57 27.8–.41 13.68N 92.31W 32–35 3.8
¶603826824
MEX Error ellipse: s-maj=10.3km s-min=11.3km az=-1.0.
MEX XI 25 17 23 06.2–.35 13.56N 92.11W 15 3.8
¶603826831
MEX Error ellipse: s-maj=6.5km s-min=12.2km az=-1.0.
MEX XI 26 01 18 44.9–.29 13.74N 92.18W 15 3.9
¶603826837
MEX Error ellipse: s-maj=3.9km s-min=10.3km az=-1.0.
MEX XI 26 08 34 32.4–.30 13.97N 92.69W 26–11 3.7
¶603826846
MEX Error ellipse: s-maj=5.0km s-min=4.8km az=-1.0.
MEX XI 27 01 06 30.7–.40 13.28N 92.29W 73–92 3.9
¶603826857
MEX Error ellipse: s-maj=25.7km s-min=26.4km az=-1.0.
ISC XI 27 05 01 15.4–.65 13.90N–.07 92.66W–.05 46 4.3b 169 2-146
IDC XI 27 05 01 09.2–1.1 13.91N 92.57W 0 4.3,4.1b **¶601994737**
MEX XI 27 05 01 11.1–.59 13.70N 92.68W 16–22 4.1,4.1b
UCR XI 27 05 01 12.9–1.6 13.92N 92.57W 20–735 4.3b,3.6L
ISCJB XI 27 05 01 14.1–.38 13.94N–.05 92.53W–.03 46 4.3b,3.6L
NEIC XI 27 05 01 15.2–.57 13.92N 92.55W 39–5 4.3b,4.1

ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=17.7km az=48.0.
MEX Error ellipse: s-maj=19.5km s-min=6.1km az=-1.0.
UCR Error ellipse: s-maj=44.5km s-min=466.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=2.7km az=27.5.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=206.0.
ISC XI 27 10 15 27.2–.96 13.56N–.05 92.14W–.05 46–9 4.6b,3.7s 764 1-146
UCR XI 27 10 15 23.9–1.7 13.24N 92.25W 83–126 4.6b,4.0L ¶601994791
MEX XI 27 10 15 23.3–.61 13.36N 92.15W 10 4.1,4.0L
GCMT XI 27 10 15 25.3–.50 13.47N–.03 92.14W–.05 14–2 4.8W,4.0L
MOS XI 27 10 15 26.7–.73 13.68N 91.90W 49 4.7b,4.0L
ISCJB XI 27 10 15 28.0–.40 13.70N–.02 91.92W–.02 61–3 4.5b,4.0L
NEIC XI 27 10 15 27.3–.23 13.66N 91.98W 35 4.6b,4.1
IDC XI 27 10 15 30.7–2.6 13.62N 91.87W 75–21 4.3,4.2
ISC Event type se.
UCR Error ellipse: s-maj=35.7km s-min=18.2km az=-1.0.
MEX Error ellipse: s-maj=5.9km s-min=12.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s70,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13±.14 $M_{\theta\theta}$1.03±.09; $M_{\phi\phi}$0.09±.07; $M_{r\theta}$0.40±.18; $M_{\theta\phi}$-0.25±.05; $M_{\phi r}$-1.29±.29; Best double couple: NP1:ϕ_s322.00000°,δ71.00000°,λ-68.00000°. NP2:ϕ_s90.00000°,δ29.00000°,λ-138.00000°. Principal axes: T 1.4040,Plg23.0000° ,Azm35.0000°; N 0.5520,Plg21.0000°,Azm134.0000°; P -1.9590,Plg58.0000°,Azm263.0000° M_o1.68100×10^{16}
MOS Error ellipse: s-maj=12.2km s-min=5.0km az=108.6.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=36.2.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=203.0.
IDC Error ellipse: s-maj=27.2km s-min=11.1km az=53.0.
MEX XI 27 11 48 02.4–.45 13.87N 92.21W 94–16 3.8
¶603826862
MEX Error ellipse: s-maj=11.3km s-min=10.4km az=-1.0.
MEX XI 28 03 14 14.8–.50 13.88N 93.51W 10 3.8
¶603826869
MEX Error ellipse: s-maj=5.6km s-min=5.0km az=-1.0.
MEX XI 29 07 56 46.3–.70 13.94N 92.66W 16–149 4.0
¶603826881
MEX Error ellipse: s-maj=129.4km s-min=12.1km az=-1.0.
MEX XI 29 12 07 07.5–.45 13.93N 93.13W 17–999 4.0
¶603826884
MEX Error ellipse: s-maj=13.9km s-min=11.9km az=-1.0.
MEX XI 29 15 31 38.1–.63 13.83N 92.66W 11–166 3.8
¶603826887
MEX Error ellipse: s-maj=143.5km s-min=9.9km az=-1.0.
ISC XI 29 19 32 34.4–1.2 13.71N–.04 92.22W–.04 34–4 5.2b,4.7s 810 1-148
MEX XI 29 19 32 29.6–.58 13.35N 92.42W 14–35 5.0,4.7s ¶601995282
NEIC XI 29 19 32 31.8–.21 13.76N 92.11W 10 5.5W,5.2b
GCMT XI 29 19 32 31.8–.20 13.55N–.01 92.66W–.01 12 5.2W,5.2b
MOS XI 29 19 32 32.7–.88 13.82N 92.07W 29 5.3b,4.6s
UCR XI 29 19 32 34.8–1.6 13.70N 92.15W 35–999 5.2b,4.1L
IDC XI 29 19 32 34.7–3.5 13.82N 91.91W 33–25 4.5,4.5s
ISCJB XI 29 19 32 35.6–.40 13.87N–.02 92.01W–.02 58–3 5.1b,4.8s
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-1.07 $M_{r\theta}$1.33 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.80 Best double couple: NP1:ϕ_s129.00000° ,δ67.00000°,λ79.00000°. NP2:ϕ_s335.00000°,δ26.00000°,λ114.00000°. Principal axes: T 2.3500,Plg67.0000°,Azm19.0000°; N -0.1600,Plg10.0000°,Azm133.0000° ; P -2.1900,Plg21.0000°,Azm227.0000° M_o2.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c107; s110,c163;Duration: 1ᵴ0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.84±.10 $M_{\theta\theta}$-4.22±.09; $M_{\phi\phi}$-1.62±.11; $M_{r\theta}$3.18±.27; $M_{\theta\phi}$1.91±.09; $M_{\phi r}$-4.12±.32; Best double couple: NP1:ϕ_s133.00000°,δ67.00000°,λ101.00000°. NP2:ϕ_s288.00000°,δ25.00000°,λ66.00000°. Principal axes: T 8.0640,Plg67.0000° ,Azm63.0000°; N -0.9920,Plg10.0000°,Azm309.0000°; P -7.0710,Plg21.0000° ,Azm215.0000° M_o7.56700×10^{16}
ISCJB Event type se.
ISC XI 29 22 06 18.7–2.9 13.90N–.08 92.21W–.07 11–17 4.5b,3.4s 76 1-146
IDC XI 29 22 06 15.9–1.1 13.68N 92.29W 0 4.1,3.9b ¶602056180
MEX XI 29 22 06 18.5–.65 13.82N 92.14W 105–28 3.9,3.9b
UCR XI 29 22 06 19.1–.67 13.68N 92.36W 35 4.5b,3.5L
NEIC XI 29 22 06 22.7–.61 13.99N 92.10W 35 4.5b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=17.8km az=175.0.
MEX Error ellipse: s-maj=20.8km s-min=19.9km az=-1.0.
UCR Error ellipse: s-maj=15.0km s-min=6.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=33.0.
MEX XI 30 06 12 18.9–.32 13.65N 92.04W 10 3.9
¶603826891
MEX Error ellipse: s-maj=4.5km s-min=5.7km az=-1.0.
ISC XI 30 09 37 59.1–1.0 13.98N–.07 92.49W–.06 10 38 1-146
ISCJB XI 30 09 37 56.5–.68 13.90N–.05 92.51W–.05 10 3.2s ¶602311701
UCR XI 30 09 37 56.8–1.3 14.65N 92.51W 20 4.0b,3.4L
IDC XI 30 09 37 57.3–3.1 14.01N 92.43W 0 3.9b,3.8
NEIC XI 30 09 37 59.7–.00 13.89N 92.48W 7 4.0,4.0b
MEX XI 30 09 37 59.6–.50 13.86N 92.47W 11–150 4.0,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.0km az=35.9.
UCR Error ellipse: s-maj=127.4km s-min=52.0km az=-1.0.
IDC Error ellipse: s-maj=57.0km s-min=18.2km az=171.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=127.9km s-min=10.8km az=-1.0.
MEX XII 01 04 10 14.2–.52 13.84N 92.55W 40 3.8
¶603931919
MEX Error ellipse: s-maj=7.2km s-min=11.7km az=-1.0.
MEX XII 03 07 43 17.0–.67 13.76N 92.50W 14–237 3.5
¶603931931
MEX Error ellipse: s-maj=202.9km s-min=13.8km az=-1.0.
MEX XII 03 09 37 36.7–.51 13.84N 92.56W 10–198 3.8
¶603931932
MEX Error ellipse: s-maj=171.5km s-min=7.8km az=-1.0.
MEX XII 03 22 25 40.9–.37 13.98N 92.49W 16–94 4.0
¶603931943
MEX Error ellipse: s-maj=81.4km s-min=5.7km az=-1.0.
MEX XII 04 00 17 38.2–.44 13.82N 92.76W 25 3.8
¶603931946
MEX Error ellipse: s-maj=5.0km s-min=5.7km az=-1.0.
IDC XII 04 14 11 04.2–2.9 13.62N 92.31W 0 3.7,3.6b
¶602390453
IDC Error ellipse: s-maj=52.4km s-min=19.4km az=160.0.
ISC XII 05 16 46 22.2–.79 13.72N–.07 92.18W–.07 10 4.1b 35 1-146
ISCJB XII 05 16 46 19.8–.61 13.57N–.06 92.19W–.05 10 4.1b ¶602330115
IDC XII 05 16 46 19.9–.94 13.54N 92.14W 0 5.4,5.4s
NEIC XII 05 16 46 22.2–.78 13.66N 92.14W 10 4.4b,5.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=35.0.
IDC Error ellipse: s-maj=28.8km s-min=14.4km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=37.0.
MEX XII 05 22 43 29.6–.41 13.82N 92.57W 20 3.9
¶603931970
MEX Error ellipse: s-maj=7.2km s-min=10.5km az=-1.0.
ISC XII 06 06 25 38.9–1.1 14.0N–.10 92.47W–.09 46 3.6b 27 1-146
IDC XII 06 06 25 33.5–2.0 13.99N 92.42W 0 3.8,3.5 ¶602323569
ISCJB XII 06 06 25 36.0–.93 13.94N–.09 92.41W–.08 46 3.6b,3.5
NEIC XII 06 06 25 36.4–.00 13.84N 92.49W 20 4.0,3.5
MEX XII 06 06 25 36.3–.53 13.84N 92.49W 20 4.0,3.5
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=16.3km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=5.9km az=38.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=7.2km s-min=9.3km az=-1.0.
ISC XII 06 06 30 42.9–.79 13.94N–.08 92.50W–.08 46 4.2b 59 1-146
IDC XII 06 06 30 39.1–1.3 14.18N 92.41W 0 4.0,3.8 ¶602032135
ISCJB XII 06 06 30 41.2–.62 13.90N–.07 92.34W–.06 46 4.1b,3.0s
MEX XII 06 06 30 42.4–.82 14.08N 92.41W 86–22 4.2,3.0s
NEIC XII 06 06 30 42.4–.00 14.09N 92.41W 86 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=13.6km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.9km az=33.2.
MEX Error ellipse: s-maj=15.1km s-min=17.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 07 05 53 38.4–.36 13.46N 92.39W 30–999 3.8
¶603931985
MEX Error ellipse: s-maj=301.1km s-min=17.8km az=-1.0.
ISC XII 08 23 44 09.4–.81 13.7N–.10 92.07W–.08 37 4.3b 90 2-146
UCR XII 08 23 44 00.5–2.0 13.37N 92.59W 35–999 4.4b,3.7L ¶602032210
IDC XII 08 23 44 03.4–1.2 13.65N 92.06W 0 4.0,3.9L
ISCJB XII 08 23 44 08.4–.56 13.79N–.08 91.90W–.05 37 4.3b,2.7s
NEIC XII 08 23 44 10.2–.51 13.83N 91.87W 35 4.4b,2.7s
ISC Event type se.
UCR Error ellipse: s-maj=101.2km s-min=41.4km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=15.0km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=3.7km az=28.7.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=4.8km az=30.0.
MEX XII 09 14 52 47.9–.57 13.89N 92.41W 21–12 3.9
¶603932007
MEX Error ellipse: s-maj=9.1km s-min=14.1km az=-1.0.
ISC XII 10 08 42 54.0–1.6 13.85N–.08 92.54W–.08 46 25 1-8
ISCJB XII 10 08 42 53.1–1.1 13.87N–.07 92.57W–.06 46 ¶602355578
NEIC XII 10 08 42 55.0–1.6 13.84N 92.60W 35 4.0
MEX XII 10 08 42 57.7–.36 14.03N 92.67W 20 4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.0km az=33.1.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.1km az=210.0.
MEX Error ellipse: s-maj=5.6km s-min=8.4km az=-1.0.
MEX XII 10 11 49 47.4–.38 13.97N 92.68W 16–999 4.0
¶603932012
MEX Error ellipse: s-maj=20.5km s-min=24.0km az=-1.0.
ISC XII 11 00 06 27.8–1.2 13.98N–.07 92.51W–.06 10 3.8b 23 1-146
IDC XII 11 00 06 25.3–2.3 13.96N 92.42W 0 4.0,3.7b ¶602323580
ISCJB XII 11 00 06 26.1–.93 13.96N–.06 92.56W–.07 10 3.8b,3.7b
MEX XII 11 00 06 32.6–.44 14.07N 92.41W 47–38 4.0,3.7b
NEIC XII 11 00 06 32.4–.00 14.02N 92.46W 16 4.0,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=17.3km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.6km az=135.5.
MEX Error ellipse: s-maj=14.8km s-min=12.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 13 05 08 54.8–.34 13.85N 92.66W 20 3.8
¶603932033
MEX Error ellipse: s-maj=9.6km s-min=18.1km az=-1.0.
MEX XII 13 06 48 27.4–.52 13.79N 92.39W 20 3.8
¶603932034
MEX Error ellipse: s-maj=8.5km s-min=30.6km az=-1.0.
ISC XII 13 16 07 16.2–3.6 13.86N–.06 92.61W–.06 15–22 4.5b,3.3s 60 1-146
IDC XII 13 16 07 13.5–1.3 13.65N 92.55W 0 4.1,3.9b ¶602355604
NEIC XII 13 16 07 15.5–.56 13.82N 92.58W 10 4.5b,4.0
MEX XII 13 16 07 19.6–.59 13.88N 92.54W 14–229 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=21.7km az=37.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.6km az=215.0.
MEX Error ellipse: s-maj=193.2km s-min=13.5km az=-1.0.
ISC XII 14 04 58 49.9–.81 13.99N–.05 92.00W–.05 48–6 5.1b,4.3s 1036 1-160
UCR XII 14 04 58 46.3–1.2 13.66N 92.19W 84–52 5.1b,4.6L ¶602043485
GCMT XII 14 04 58 47.5–.20 13.77N–.01 92.37W–.02 17–0 5.0W,4.6L
IDC XII 14 04 58 48.0–3.1 13.88N 91.72W 33–20 5.2L,4.8
NEIC XII 14 04 58 48.5–.73 13.82N 91.73W 36–5 5.1b,4.9
MOS XII 14 04 58 50.9–.95 14.07N 91.67W 64 5.2b,4.9
MEX XII 14 04 58 52.7–1.0 14.15N 92.00W 48–40 4.9,4.9
ISCJB XII 14 04 58 53.0–.38 14.08N–.02 91.65W–.02 86–3 5.0b,4.9
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c85; s88,c126;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.52±.14 $M_{\theta\theta}$-2.86±.10; $M_{\phi\phi}$-0.66±.10; $M_{r\theta}$2.20±.24; $M_{\theta\phi}$1.33±.07; $M_{\phi r}$-1.87±.28; Best double couple: NP1:ϕ_s125.00000°,δ65.00000°,λ98.00000°. NP2:ϕ_s286.00000°,δ26.00000°,λ74.00000°. Principal axes: T 4.6030,Plg69.0000° ,Azm50.0000°; N -0.1310,Plg7.0000°,Azm301.0000°; P -4.4740,Plg19.0000°,Azm209.0000° M_o4.53800×10^{16}
NEIC Event type fe. Felt at Guatemala and Quetzaltenango. Also felt at Tuxtla Gutierrez, Mexico.
ISCJB Event type fe.
ISC XII 14 08 06 43.3–2.1 13.84N–.07 92.18W–.05 5–11 4.1b 104 1-146
IDC XII 14 08 06 41.9–1.7 13.70N 92.11W 0 4.2,3.9 ¶602330627
ISCJB XII 14 08 06 44.3–1.3 13.80N–.07 92.11W–.04 22–9 4.0b,3.3s
UCR XII 14 08 06 45.8–1.0 13.61N 92.05W 23–999 4.0b,3.4L
NEIC XII 14 08 06 48.6–.63 13.90N 92.01W 35 4.0,4.0b
MEX XII 14 08 06 49.9–.59 14.01N 92.19W 16–179 4.0,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=22.0km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=3.5km az=23.5.
UCR Error ellipse: s-maj=63.1km s-min=880.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.0km az=198.0.
MEX Error ellipse: s-maj=143.3km s-min=40.9km az=-1.0.
MEX XII 15 02 08 22.5–.32 13.67N 92.16W 20 3.9
¶603932051
MEX Error ellipse: s-maj=4.1km s-min=6.9km az=-1.0.
ISC XII 15 06 06 30.4–1.2 13.5N–.10 92.06W–.09 37 3.5b 10 2-52
IDC XII 15 06 06 26.6–2.0 13.63N 92.05W 0 3.8,3.6 ¶602391366
ISCJB XII 15 06 06 28.1–1.1 13.42N–.10 92.12W–.07 37 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 03 06 49.4–.68 13.98N–.05 92.17W–.05 53–5 4.8b,4.2s 770 1-149
UCR XII 16 03 06 43.0–1.9 14.00N 92.48W 98–91 4.8b,4.5L ¶602043786
GCMT XII 16 03 06 46.6–.40 13.81N–.02 92.58W–.03 22–1 5.0W,4.5L
MEX XII 16 03 06 46.9–.59 13.82N 92.32W 5 4.1,4.5L
NEIC XII 16 03 06 47.6–.17 13.89N 91.97W 35 4.8b,4.5L
ISCJB XII 16 03 06 49.8–.37 14.01N–.02 91.96W–.02 68–3 4.7b,4.5L
BJI XII 16 03 06 52.4 14.10N 91.90W 72 5.1s,4.9
IDC XII 16 03 06 53.7–2.1 14.08N 91.77W 84–16 4.4,4.3
ISC Event type fe.
UCR Error ellipse: s-maj=54.5km s-min=24.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c36; s75,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.13±.19 $M_{\theta\theta}$-2.10±.12; $M_{\phi\phi}$-1.03±.12; $M_{r\theta}$1.50±.16; $M_{\theta\phi}$1.07±.07; $M_{\phi r}$-1.18±.18; Best double couple: NP1:ϕ_s125.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s299.00000°,δ29.00000°,λ85.00000°. Principal axes: T 3.6980,Plg73.0000° ,Azm42.0000°; N -0.3780,Plg2.0000°,Azm304.0000°; P -3.3200,Plg16.0000°,Azm213.0000° M_o3.50900×10^{16}
MEX Error ellipse: s-maj=5.6km s-min=8.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=31.0. Felt at Tocache.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=42.6.
IDC Error ellipse: s-maj=22.4km s-min=10.7km az=53.0.
MEX XII 17 03 15 04.4–.64 13.68N 92.58W 15–372 3.7
¶603932065
MEX Error ellipse: s-maj=315.4km s-min=39.7km az=-1.0.
ISC XII 17 14 38 16.4–2.2 13.4N–.20 92.11W–.09 37 4.0b 17 2-63
IDC XII 17 14 38 04.9–4.2 12.60N 91.50W 0 4.1,4.0L ¶602374052
MEX XII 17 14 38 14.5–.59 13.45N 92.14W 10 3.8,4.0L
NEIC XII 17 14 38 17.4–2.7 13.63N 92.05W 35 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=78.8km s-min=36.5km az=148.0.
MEX Error ellipse: s-maj=7.8km s-min=43.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=40.1km s-min=19.3km az=190.0.
ISC XII 18 13 47 03.4–2.1 14.0N–.20 92.10W–.08 35 3.6b 9 2-146
IDC XII 18 13 46 56.4–3.1 13.72N 92.02W 0 3.9,3.6 ¶602391603

ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=26.9km az=173.0.
MEX XII 19 04 07 32.4–.38 14.85N 94.97W 20 4.1
¶603932089
MEX Error ellipse: s-maj=4.7km s-min=5.5km az=-1.0.
MEX XII 22 10 07 55.5–1.0 14.45N 94.46W 16–26 3.9
¶603932117
MEX Error ellipse: s-maj=16.7km s-min=7.4km az=-1.0.
MEX XII 25 17 44 58.3–.88 13.75N 92.47W 16–519 3.9
¶603932146
MEX Error ellipse: s-maj=436.3km s-min=42.0km az=-1.0.
ISC XII 26 05 51 32.2–.79 13.82N–.08 92.32W–.06 46 4.1b 64 1-146
IDC XII 26 05 51 26.9–1.4 13.88N 92.30W 0 4.0,3.8b **¶602380624**
MEX XII 26 05 51 27.1–.57 13.54N 92.33W 19–27 4.1,3.8b
ISCJB XII 26 05 51 30.0–.53 13.76N–.05 92.30W–.04 46 4.2b,3.6s
NEIC XII 26 05 51 30.8–2.8 13.86N 92.28W 27–20 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=15.9km az=32.0.
MEX Error ellipse: s-maj=8.5km s-min=13.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.5km az=39.7.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=7.0km az=214.0.
ISC XII 27 19 29 12.7–.89 13.78N–.08 92.15W–.08 10 4.0b 35 1-146
ISCJB XII 27 19 29 10.7–.65 13.70N–.06 92.19W–.05 10 4.1b,3.1s **¶602380675**
NEIC XII 27 19 29 13.9–.00 13.71N 92.36W 2 4.3b,4.0
MEX XII 27 19 29 13.9–1.4 13.71N 92.36W 2–999 4.0,4.0
UCR XII 27 19 29 13.4–1.2 13.77N 92.16W 35–999 4.3b,3.7L
IDC XII 27 19 29 15.9–5.9 13.97N 91.89W 29–36 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.4km az=34.9.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
UCR Error ellipse: s-maj=179.4km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=21.5km az=33.0.
ISC XII 29 11 17 48.7–1.3 13.8N–.10 92.35W–.06 10 3.7b 17 2-146
MEX XII 29 11 17 49.2–.29 13.85N 92.08W 110–24 4.2 **¶602380834**
IDC XII 29 11 17 53.3–6.3 13.95N 92.35W 35–38 3.6,3.4
ISC Event type ke.
MEX Error ellipse: s-maj=17.1km s-min=14.3km az=-1.0.
IDC Error ellipse: s-maj=57.6km s-min=16.5km az=15.0.
MEX XII 30 07 13 06.9–.43 13.98N 92.43W 16–999 4.0
NEIC XII 30 07 13 06.9–.00 13.97N 92.44W 16 4.5b,4.0 **¶602399044**
MEX Error ellipse: s-maj=10.8km s-min=12.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 30 10 30 00.4–.35 13.54N 92.27W 22–29 4.1
NEIC XII 30 10 29 58.4–1.8 13.31N 92.52W 35 4.6b,4.1 **¶602340355**
MEX Error ellipse: s-maj=4.5km s-min=6.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=11.6km az=202.0.
ISC XII 31 04 20 37.5–.96 13.93N–.09 92.45W–.08 46 3.6b 17 1-146
IDC XII 31 04 20 32.1–1.4 13.95N 92.41W 0 3.8,3.7L **¶602380467**
MEX XII 31 04 20 34.7–.38 13.80N 92.21W 20 3.8,3.7L
ISCJB XII 31 04 20 35.5–.80 13.89N–.06 92.47W–.06 46 3.5b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 31 14 21 23.7–.72 13.94N–.09 92.24W–.06 46 4.2b,3.7s 50 2-146
IDC XII 31 14 21 16.7–1.1 13.77N 92.35W 0 4.1,3.9 **¶602070589**
UCR XII 31 14 21 19.9–1.6 14.11N 92.36W 33–999 3.5L,3.9
ISCJB XII 31 14 21 22.2–.56 13.96N–.07 92.22W–.04 46 4.0b,3.7s
NEIC XII 31 14 21 25.9–.93 14.05N 92.09W 62–8 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=16.3km az=41.0.
UCR Error ellipse: s-maj=135.5km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.7km az=24.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.4km az=217.0.
ISC XII 31 14 34 59.5–1.0 13.9N–.10 92.28W–.07 46 4.3b 35 1-146
IDC XII 31 14 34 52.5–2.3 13.79N 92.32W 0 4.1,3.8L **¶602342429**
UCR XII 31 14 34 57.5–1.3 14.25N 92.25W 35–999 4.3b,3.3L
ISCJB XII 31 14 34 58.2–.72 13.98N–.08 92.25W–.05 46 4.1b,3.6s
NEIC XII 31 14 35 01.0–1.4 14.12N 92.27W 42–9 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=25.1km az=4.0.
UCR Error ellipse: s-maj=60.6km s-min=20.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=4.6km az=27.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=8.7km az=207.0.
ISC XII 31 15 32 59.8–1.3 13.2N–.20 92.2W–.20 35 3.9b 9 3-147
IDC XII 31 15 32 55.4–1.4 13.19N 92.37W 0 4.1,3.9L **¶602070591**
ISCJB XII 31 15 32 57.8–1.2 13.2N–.10 92.4W–.20 33 4.1b,3.9L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 31 15 33 51.0–.68 13.84N–.09 92.17W–.07 54 4.4b 92 2-146
IDC XII 31 15 33 43.9–.94 13.83N 92.14W 0 4.4,4.4L **¶602380496**
ISCJB XII 31 15 33 49.0–.58 13.81N–.07 92.17W–.04 54 4.4b,3.6s
NEIC XII 31 15 33 50.7–.82 13.84N 92.13W 51–6 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=14.2km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.6km az=15.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=203.0.
ISC XII 31 21 14 01.2–1.6 14.0N–.10 92.1W–.10 10 3.5b 10 1-146
IDC XII 31 21 13 58.1–2.5 13.69N 92.21W 0 3.8,3.5 **¶602380513**
MEX XII 31 21 14 09.5–.76 14.36N 91.76W 20–599 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=16.8km az=162.0.
MEX Error ellipse: s-maj=413.1km s-min=285.7km az=-1.0.

(69) Near coast of Chiapas.

MEX VII 02 19 12 48.5–.35 14.61N 93.22W 16–36 3.5
¶603312184
MEX Error ellipse: s-maj=28.8km s-min=18.9km az=-1.0.
MEX VII 02 22 32 46.9–.43 14.29N 92.18W 14–115 3.9
¶603312185
MEX Error ellipse: s-maj=94.1km s-min=28.7km az=-1.0.
MEX VII 03 09 16 06.5–.42 15.17N 93.09W 71–9 3.8
¶603312190
MEX Error ellipse: s-maj=9.8km s-min=6.7km az=-1.0.
MEX VII 03 10 53 23.4–.41 15.00N 93.18W 57–9 3.8
¶603312191
MEX Error ellipse: s-maj=5.2km s-min=4.4km az=-1.0.
MEX VII 05 23 01 52.4–.61 14.09N 92.79W 8–92 3.8
¶603312223
MEX Error ellipse: s-maj=75.8km s-min=17.1km az=-1.0.
MEX VII 06 01 01 00.1–.34 14.13N 92.63W 22–16 3.9
¶603312226
MEX Error ellipse: s-maj=5.8km s-min=5.1km az=-1.0.
MEX VII 06 09 09 00.3–.54 15.13N 93.14W 72–7 3.8
¶603312231
MEX Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
MEX VII 06 15 19 32.0–.58 14.20N 93.40W 16–96 3.8
¶603312233
MEX Error ellipse: s-maj=73.3km s-min=46.4km az=-1.0.
MEX VII 06 18 52 33.8–.28 14.84N 93.24W 16–28 3.7
¶603312234
MEX Error ellipse: s-maj=23.2km s-min=19.1km az=-1.0.
ISC VII 07 06 39 18.1–1.8 14.6N–.10 93.12W–.08 10 11 1-50
IDC VII 07 06 39 17.2–12 15.69N 91.15W 0 3.6,3.3 **¶603312242**
MEX VII 07 06 39 17.2–.56 14.39N 93.27W 13–49 3.8,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=246.5km s-min=109.8km az=8.0.
MEX Error ellipse: s-maj=40.2km s-min=25.5km az=-1.0.
MEX VII 07 06 50 23.6–.39 14.47N 93.32W 20–42 3.7
¶603312243
MEX Error ellipse: s-maj=34.2km s-min=26.1km az=-1.0.
ISC VII 07 22 47 29.5–2.1 14.2N–.20 93.04W–.08 37 12 1-51
IDC VII 07 22 47 23.9–7.3 14.28N 92.75W 0 4.0,3.7b **¶601663610**
MEX VII 07 22 47 28.4–.46 14.16N 93.10W 14–86 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=155.4km s-min=82.8km az=25.0.
MEX Error ellipse: s-maj=70.8km s-min=31.7km az=-1.0.
MEX VII 08 19 15 55.9–.55 14.74N 92.82W 141–10 3.8
¶603312260
MEX Error ellipse: s-maj=10.2km s-min=14.2km az=-1.0.
MEX VII 08 19 17 31.1–1.0 14.13N 92.99W 16–112 3.8
¶603312261
MEX Error ellipse: s-maj=93.3km s-min=31.8km az=-1.0.
ISC VII 10 04 49 24.0–2.0 14.34N–.07 93.13W–.05 27–13 4.3b,3.5s 245 1-145
IDC VII 10 04 49 20.0–.99 14.51N 92.68W 0 4.2,4.0L **¶601462413**
MEX VII 10 04 49 25.4–.55 14.33N 93.25W 16–50 4.0,4.0L
NEIC VII 10 04 49 26.6–.00 14.39N 93.20W 17 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=15.4km az=52.0.
MEX Error ellipse: s-maj=38.8km s-min=23.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 10 22 09 18.6–.52 14.70N 93.49W 15 4.0
NEIC VII 10 22 09 18.1–.00 14.67N 93.50W 20 4.0 **¶601625006**
MEX Error ellipse: s-maj=9.2km s-min=10.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 02 15 17.3–.32 15.23N 93.65W 52–9 3.6
¶603312306
MEX Error ellipse: s-maj=4.5km s-min=6.6km az=-1.0.
ISC VII 11 11 32 53.4–1.6 14.2N–.10 92.96W–.09 10 4.0s,3.5b 14 1-145
IDC VII 11 11 32 52.2–3.6 14.53N 92.42W 0 3.8,3.8s **¶601664425**
MEX VII 11 11 32 53.0–.48 13.97N 93.07W 17–221 3.8,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=124.9km s-min=53.8km az=44.0.
MEX Error ellipse: s-maj=185.4km s-min=63.0km az=-1.0.
MEX VII 11 21 48 38.5–.53 14.28N 92.48W 52–28 3.9
¶603312312
MEX Error ellipse: s-maj=11.9km s-min=14.9km az=-1.0.
ISC VII 12 15 10 02.6–2.1 14.01N–.07 92.08W–.06 2–12 4.2b 81 1-146
IDC VII 12 15 10 03.2–1.5 14.19N 91.58W 0 4.1,3.8 **¶601541948**
UCR VII 12 15 10 05.8–.94 14.22N 92.17W 35–794 4.2b,3.2L
NEIC VII 12 15 10 06.8–2.6 13.91N 92.03W 32–19 4.2b,4.1
MEX VII 12 15 10 07.5–.41 13.89N 92.33W 20–33 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=17.4km az=44.0.
UCR Error ellipse: s-maj=34.3km s-min=508.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=6.8km az=213.0.
MEX Error ellipse: s-maj=5.6km s-min=7.7km az=-1.0.
MEX VII 12 17 16 11.1–.44 15.22N 93.85W 57–10 4.0
¶603312327
MEX Error ellipse: s-maj=4.3km s-min=6.6km az=-1.0.
MEX VII 13 12 56 56.5–.48 14.71N 92.43W 96–5 3.7
¶603312339
MEX Error ellipse: s-maj=5.1km s-min=5.0km az=-1.0.
MEX VII 13 14 09 55.8–.84 14.76N 92.33W 91–8 3.9
¶603312341
MEX Error ellipse: s-maj=7.3km s-min=7.6km az=-1.0.
MEX VII 19 18 28 50.5–.63 14.68N 93.89W 15 4.0
¶603312394
MEX Error ellipse: s-maj=10.3km s-min=7.5km az=-1.0.
IDC VII 20 14 08 38.7–3.6 14.48N 93.08W 0 4.1,4.0b
¶601664871
IDC Error ellipse: s-maj=180.4km s-min=43.0km az=52.0.
ISC VII 20 17 23 42.6–.70 14.37N–.07 93.44W–.07 36 4.2b,3.3s 99 1-145
IDC VII 20 17 23 38.4–1.6 14.57N 92.94W 0 4.2,3.9 **¶601643180**
ISCJB VII 20 17 23 41.9–.41 14.44N–.04 93.28W–.04 36 4.2b,3.4s
NEIC VII 20 17 23 43.3–2.2 14.44N 93.32W 32–16 4.2b,4.1
MEX VII 20 17 23 46.7–.74 14.65N 93.57W 10 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=20.1km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=40.2.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=214.0.
MEX Error ellipse: s-maj=11.0km s-min=15.4km az=-1.0.
ISC VII 21 06 00 35.2–2.1 14.35N–.05 93.53W–.05 30–15 4.5b 468 1-145
IDC VII 21 06 00 31.5–.84 14.60N 92.93W 0 4.5,4.2 **¶601453744**
ISCJB VII 21 06 00 34.2–.26 14.30N–.03 93.42W–.02 33 4.5b,4.2
UCR VII 21 06 00 35.3–1.2 13.71N 93.35W 34–999 4.5b,3.8L
NEIC VII 21 06 00 38.4–.00 14.55N 93.69W 20 4.5,4.5b
MEX VII 21 06 00 38.3–.34 14.57N 93.71W 13–15 4.4,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=13.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=31.3.
UCR Error ellipse: s-maj=172.2km s-min=999.9km az=-1.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=14.3km s-min=4.9km az=-1.0.
ISC VII 21 11 38 58.6–2.1 14.73N–.08 93.50W–.05 8–11 4.2b,3.5s 54 1-145
IDC VII 21 11 38 56.3–2.8 15.16N 92.97W 0 3.8,3.6 **¶601456907**
MEX VII 21 11 39 00.3–.74 14.70N 93.61W 10 4.0,3.6
NEIC VII 21 11 39 02.7–.00 14.82N 93.48W 10 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=120.2km s-min=25.1km az=42.0.
MEX Error ellipse: s-maj=11.0km s-min=9.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 24 04 19 30.8–.32 15.81N 93.86W 86–6 3.8
¶603312449
MEX Error ellipse: s-maj=2.9km s-min=5.9km az=-1.0.
MEX VII 24 15 11 09.7–.34 15.47N 93.38W 86–4 3.8
¶603312460
MEX Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.
MEX VII 24 22 45 34.2–.55 15.48N 93.44W 84–6 3.7
¶603312465
MEX Error ellipse: s-maj=5.0km s-min=8.0km az=-1.0.
MEX VII 26 15 13 13.0–.32 14.91N 93.15W 73–7 3.7
¶603312498
MEX Error ellipse: s-maj=5.2km s-min=5.3km az=-1.0.
MEX VII 26 16 10 51.1–.33 14.97N 93.15W 60–8 3.6
¶603312500
MEX Error ellipse: s-maj=5.8km s-min=5.6km az=-1.0.
MEX VII 29 03 52 19.4–.78 15.16N 93.05W 80–11 4.0
¶603312526
MEX Error ellipse: s-maj=6.7km s-min=7.7km az=-1.0.
ISC VII 29 12 22 14.6–.52 14.24N–.03 92.56W–.03 41–4 5.5s,5.4b 1672 1-162
NEIC VII 29 12 22 11.8–.14 14.19N 92.29W 18 5.9W,5.8W **¶601484828**
GCMT VII 29 12 22 11.8–.10 14.20N 92.88W 20–0 5.8W,5.8W
UCR VII 29 12 22 12.5–1.3 15.48N 92.28W 36–999 5.6b,4.8L
ISCJB VII 29 12 22 12.7–.11 14.29N–.01 92.34W–.01 33 5.5s,5.4b
MEX VII 29 12 22 13.7–.88 14.07N 92.75W 16–53 5.7,5.4b
MOS VII 29 12 22 14.7–.94 14.43N 92.23W 45 5.6b,5.5s
NEIC VII 29 12 22 15.0–.00 14.23N 92.46W 19 5.6b,5.5s
IDC VII 29 12 22 17.3–1.8 14.39N 92.24W 61–15 5.4s,5.4
NEIC VII 29 12 22 29.0–.00 14.61N 92.59W 30 5.4s,5.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=46.0. Felt at Antigua Guatemala. Also felt at Tapachula and Tuxtla Gutierrez, Mexico. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}4.50 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.16 $M_{\theta\phi}$3.12 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s120.00000°,δ58.00000°,λ79.00000°. NP2:ϕ_s321.00000° ,δ34.00000°,λ107.00000°. Principal axes: T 5.0900,Plg75.0000°,Azm358.0000° ; N 0.8000,Plg10.0000°,Azm126.0000°; P -5.8900,Plg12.0000°,Azm218.0000° $M_0$5.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s300.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s120.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000° ,Azm210.0000°

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s133,c290; s129,c413;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.66±.06 $M_{\theta\theta}$-4.53±.04; $M_{\phi\phi}$-1.14±.05; $M_{r\theta}$3.00±.09; $M_{\theta\phi}$2.30±.03; $M_{\phi r}$-2.96±.10; Best double couple: NP1: ϕ_s127.00000°,δ63.00000°,λ99.00000°. NP2:ϕ_s287.00000°,δ28.00000°,λ72.00000°. Principal axes: T 7.1470,Plg70.0000°,Azm57.0000°; N -0.1680,Plg8.0000°,Azm303.0000° ; P -6.9890,Plg18.0000°,Azm210.0000° $M_0$7.06800×10^{17}

UCR Error ellipse: s-maj=23.1km s-min=15.0km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=138.0.

MEX Error ellipse: s-maj=9.8km s-min=8.8km az=-1.0.

MOS Error ellipse: s-maj=6.1km s-min=3.7km az=95.9.

NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}5.49 $M_{\theta\theta}$-4.17 $M_{\phi\phi}$-1.32 $M_{r\theta}$4.61 $M_{\theta\phi}$2.55 $M_{\phi r}$-2.20 Best double couple: NP1:ϕ_s117.00000° ,δ66.00000°,λ87.00000°. NP2:ϕ_s304.00000°,δ24.00000°,λ96.00000°. Principal axes: T 7.4900,Plg68.0000°,Azm21.0000°; N 0.1500,Plg2.0000°,Azm118.0000° ; P -7.6400,Plg21.0000°,Azm209.0000° $M_0$7.60000×10^{17}

IDC Error ellipse: s-maj=14.5km s-min=7.5km az=53.0.

NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}6.36 $M_{\theta\theta}$-5.23 $M_{\phi\phi}$-1.13 $M_{r\theta}$1.27 $M_{\theta\phi}$1.54 $M_{\phi r}$-1.02 Best double couple: NP1:ϕ_s284.00000° ,δ38.00000°,λ83.00000°. NP2:ϕ_s113.00000°,δ52.00000°,λ95.00000°. Principal axes: T 6.5900,Plg82.0000°,Azm51.0000°; N -0.6600,Plg4.0000°,Azm290.0000° ; P -5.9400,Plg7.0000°,Azm199.0000° $M_0$6.30000×10^{17}

ISC	VII	**30 00 44 15.6–1.6**	**14.8N–.10**	**93.89W–.08**	**35**	**3.9b**	**15**	**1-84**	
IDC	VII	30 00 44 10.1–2.9	14.84N	93.74W	0	4.0,3.8b			¶601506087
MEX	VII	30 00 44 19.0–.45	14.87N	93.78W	15	4.1,3.8b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=85.7km s-min=38.0km az=43.0.								
MEX	Error ellipse: s-maj=7.5km s-min=11.1km az=-1.0.								
ISC	VII	**30 23 32 39.7–.81**	**15.53N–.07**	**93.28W–.05**	**96–7**	**4.0b**	**22**	**0-61**	
ISCJB	VII	30 23 32 38.1–.56	15.54N–.06	93.29W–.05	98–4	3.9b			¶601650794
IDC	VII	30 23 32 39.4–2.2	15.60N	93.04W	92–24	3.9,3.8			
MEX	VII	30 23 32 40.2–.69	15.60N	93.32W	98–6	4.0,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=11.2km s-min=6.7km az=26.0.								
IDC	Error ellipse: s-maj=80.0km s-min=18.2km az=44.0.								
MEX	Error ellipse: s-maj=3.6km s-min=4.4km az=-1.0.								
MEX	VIII	**01 04 43 51.7–.34**	**15.08N**	**93.35W**	**71–19**	**3.7**			¶604033301
MEX	Error ellipse: s-maj=20.3km s-min=16.0km az=-1.0.								
MEX	VIII	**03 19 41 54.0–1.2**	**14.37N**	**92.98W**	**17–999**	**4.0**			¶604033337
MEX	Error ellipse: s-maj=15.6km s-min=16.1km az=-1.0.								
MEX	VIII	**04 10 56 26.1–.57**	**15.57N**	**93.86W**	**94–25**	**3.8**			¶604033341
MEX	Error ellipse: s-maj=27.8km s-min=14.3km az=-1.0.								
MEX	VIII	**08 03 50 43.0–.49**	**14.71N**	**92.54W**	**77–7**	**4.1**			
NEIC	VIII	08 03 50 43.0–.00	14.71N	92.54W	77	4.1			¶601734824
MEX	Error ellipse: s-maj=8.1km s-min=7.9km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	VIII	**08 07 40 51.9–1.4**	**14.71N**	**93.56W**	**20**	**3.7**			¶604033364
MEX	Error ellipse: s-maj=26.5km s-min=50.6km az=-1.0.								
MEX	VIII	**10 12 59 13.7–.41**	**14.41N**	**92.91W**	**85–119**	**3.7**			¶604033384
MEX	Error ellipse: s-maj=70.6km s-min=43.6km az=-1.0.								
MEX	VIII	**11 09 12 50.0–.30**	**14.13N**	**92.71W**	**16–50**	**3.9**			¶604033389
MEX	Error ellipse: s-maj=45.2km s-min=6.1km az=-1.0.								
MEX	VIII	**13 02 06 18.4–.86**	**15.63N**	**93.42W**	**102–8**	**3.7**			¶604033406
MEX	Error ellipse: s-maj=6.1km s-min=8.1km az=-1.0.								
ISC	VIII	**13 16 58 47.7–1.1**	**14.5N–.10**	**92.92W–.10**	**10**	**4.0b,3.2s**	**26**	**1-145**	
IDC	VIII	13 16 58 41.4–2.5	14.19N	92.71W	0	4.1,3.8b			¶601605959
ISCJB	VIII	13 16 58 45.9–.87	14.41N–.08	93.06W–.09	10	3.9b,3.3s			
MEX	VIII	13 16 58 47.2–.63	14.30N	92.94W	10–151	4.1,3.3s			
NEIC	VIII	13 16 58 47.2–.00	14.30N	92.94W	10	4.3b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=130.9km s-min=27.2km az=50.0.								
ISCJB	Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=143.6.								
MEX	Error ellipse: s-maj=134.1km s-min=38.1km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	VIII	**13 21 22 29.0–.58**	**14.99N**	**93.63W**	**85–26**	**3.8**			¶604033411
MEX	Error ellipse: s-maj=15.5km s-min=9.2km az=-1.0.								
MEX	VIII	**13 23 04 52.7–.35**	**15.75N**	**93.77W**	**88–4**	**3.6**			¶604033412
MEX	Error ellipse: s-maj=7.0km s-min=2.8km az=-1.0.								
ISC	VIII	**14 06 05 22.5–1.8**	**14.1N–.20**	**93.01W–.07**	**37**	**4.0b**	**36**	**1-62**	
IDC	VIII	14 06 05 18.1–6.5	14.51N	92.29W	0	4.0,3.7			¶601765821
MEX	VIII	14 06 05 20.9–.54	14.02N	93.10W	17–60	4.1,3.7			
NEIC	VIII	14 06 05 20.9–.00	14.02N	93.10W	17	4.1,4.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=129.1km s-min=59.7km az=11.0.								
MEX	Error ellipse: s-maj=12.6km s-min=7.5km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	VIII	**15 02 01 42.0–.64**	**14.68N**	**92.48W**	**122–16**	**3.9**			¶604033418
MEX	Error ellipse: s-maj=59.5km s-min=39.5km az=-1.0.								
MEX	VIII	**17 13 55 43.4–.43**	**15.71N**	**93.54W**	**139–9**	**3.7**			¶604033432
MEX	Error ellipse: s-maj=24.0km s-min=19.3km az=-1.0.								
MEX	VIII	**17 20 22 17.0–.67**	**14.45N**	**92.83W**	**17–999**	**3.6**			¶604033434
MEX	Error ellipse: s-maj=15.6km s-min=16.8km az=-1.0.								
MEX	VIII	**18 09 01 44.1–1.1**	**14.70N**	**92.59W**	**95–13**	**3.7**			¶604033438
MEX	Error ellipse: s-maj=24.9km s-min=18.0km az=-1.0.								
MEX	VIII	**18 10 52 22.4–.49**	**15.23N**	**93.37W**	**74–9**	**3.7**			¶604033440
MEX	Error ellipse: s-maj=10.0km s-min=10.1km az=-1.0.								
MEX	VIII	**18 18 09 06.1–.91**	**14.82N**	**93.65W**	**22**	**3.7**			¶604033445
MEX	Error ellipse: s-maj=13.4km s-min=20.6km az=-1.0.								
MEX	VIII	**19 02 11 30.1–.55**	**14.86N**	**93.64W**	**0–99**	**3.9**			¶604033451
MEX	Error ellipse: s-maj=53.4km s-min=67.7km az=-1.0.								
MEX	VIII	**19 08 01 12.4–.34**	**15.45N**	**93.44W**	**104–4**	**3.7**			¶604033453
MEX	Error ellipse: s-maj=7.1km s-min=8.5km az=-1.0.								
ISC	VIII	**19 08 17 43.4–.93**	**15.49N–.10**	**93.44W–.06**	**85**	**3.8b**	**21**	**0-61**	
ISCJB	VIII	19 08 17 42.4–.73	15.40N–.09	93.48W–.05	85	3.7b			¶601766139
MEX	VIII	19 08 17 44.1–.30	15.50N	93.45W	95–3	3.9			
IDC	VIII	19 08 17 44.8–2.4	16.18N	92.85W	75–36	3.8,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=13.3km s-min=6.3km az=20.1.								
MEX	Error ellipse: s-maj=3.8km s-min=2.7km az=-1.0.								
IDC	Error ellipse: s-maj=82.9km s-min=24.9km az=34.0.								
MEX	VIII	**19 14 00 57.2–.33**	**15.58N**	**93.97W**	**64–7**	**3.8**			¶604033457
MEX	Error ellipse: s-maj=3.7km s-min=2.0km az=-1.0.								
MEX	VIII	**19 15 05 39.0–.31**	**15.42N**	**93.65W**	**78–12**	**3.5**			¶604033459
MEX	Error ellipse: s-maj=15.2km s-min=10.1km az=-1.0.								
MEX	VIII	**21 07 48 17.4–.51**	**15.93N**	**93.98W**	**75–11**	**3.7**			¶604033469
MEX	Error ellipse: s-maj=5.6km s-min=4.2km az=-1.0.								
MEX	VIII	**22 02 34 26.9–.46**	**14.06N**	**92.53W**	**20–610**	**3.7**			¶604033476
MEX	Error ellipse: s-maj=29.2km s-min=53.8km az=-1.0.								
MEX	VIII	**22 20 36 03.6–.51**	**14.12N**	**92.31W**	**106–17**	**3.7**			¶604033483
MEX	Error ellipse: s-maj=19.7km s-min=18.9km az=-1.0.								
MEX	VIII	**23 09 21 49.5–.80**	**14.95N**	**93.47W**	**0–98**	**3.7**			¶604033492
MEX	Error ellipse: s-maj=59.2km s-min=70.0km az=-1.0.								
MEX	VIII	**23 22 26 56.4–.75**	**14.27N**	**92.48W**	**20–152**	**3.6**			¶604033499
MEX	Error ellipse: s-maj=22.2km s-min=21.4km az=-1.0.								
MEX	VIII	**23 23 53 47.8–.46**	**15.02N**	**93.71W**	**6–44**	**3.6**			¶604033502
MEX	Error ellipse: s-maj=21.0km s-min=32.0km az=-1.0.								
MEX	VIII	**24 09 57 13.4–.43**	**15.73N**	**93.98W**	**65–12**	**3.7**			¶604033510
MEX	Error ellipse: s-maj=7.1km s-min=15.4km az=-1.0.								
MEX	VIII	**24 13 14 04.6–.60**	**14.47N**	**93.16W**	**16–116**	**3.6**			¶604033511
MEX	Error ellipse: s-maj=97.1km s-min=51.2km az=-1.0.								
MEX	VIII	**25 03 09 21.8–.65**	**14.75N**	**93.26W**	**27–51**	**3.5**			¶604033518
MEX	Error ellipse: s-maj=14.9km s-min=10.3km az=-1.0.								
MEX	VIII	**25 10 01 37.1–.84**	**14.14N**	**93.43W**	**16–137**	**3.8**			¶604033525
MEX	Error ellipse: s-maj=103.8km s-min=64.4km az=-1.0.								
MEX	VIII	**28 02 35 40.6–.35**	**15.17N**	**93.30W**	**63–20**	**3.5**			¶604033557
MEX	Error ellipse: s-maj=16.5km s-min=9.7km az=-1.0.								
MEX	VIII	**29 22 04 52.4–.72**	**14.10N**	**92.36W**	**10**	**3.8**			¶604033571
MEX	Error ellipse: s-maj=8.6km s-min=9.0km az=-1.0.								
MEX	VIII	**30 03 16 31.8–.77**	**14.20N**	**93.19W**	**20–110**	**3.9**			¶604033573
MEX	Error ellipse: s-maj=91.3km s-min=43.2km az=-1.0.								
MEX	VIII	**30 03 57 09.1–.93**	**14.39N**	**93.04W**	**13–161**	**3.7**			¶604033574
MEX	Error ellipse: s-maj=137.5km s-min=56.7km az=-1.0.								
MEX	VIII	**30 15 31 29.6–.49**	**14.14N**	**92.60W**	**10**	**3.9**			¶604033579
MEX	Error ellipse: s-maj=5.5km s-min=5.4km az=-1.0.								
MEX	VIII	**30 16 17 10.8–.62**	**14.15N**	**92.58W**	**8–99**	**3.8**			¶604033580
MEX	Error ellipse: s-maj=87.2km s-min=6.6km az=-1.0.								
MEX	VIII	**30 16 41 53.9–.56**	**14.13N**	**92.58W**	**5**	**3.6**			¶604033582
MEX	Error ellipse: s-maj=8.0km s-min=7.3km az=-1.0.								
ISC	VIII	**30 16 43 58.4–1.4**	**14.3N–.10**	**92.64W–.07**	**35**	**3.3b**	**15**	**1-145**	
IDC	VIII	30 16 43 49.4–3.3	13.75N	92.65W	0	4.0,3.7			¶601755630
MEX	VIII	30 16 43 54.6–.66	14.05N	92.65W	20–39	3.8,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=64.9km s-min=27.3km az=1.0.								
MEX	Error ellipse: s-maj=9.5km s-min=11.4km az=-1.0.								
MEX	IX	**02 05 50 00.1–.62**	**15.71N**	**93.77W**	**92–6**	**3.6**			¶603514298
MEX	Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0.								
MEX	IX	**02 20 04 28.5–.75**	**15.25N**	**93.22W**	**83–8**	**3.6**			¶603514304
MEX	Error ellipse: s-maj=5.9km s-min=6.4km az=-1.0.								
MEX	IX	**04 07 26 50.0–.41**	**15.76N**	**93.74W**	**85–4**	**3.7**			¶603514329
MEX	Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.								
MEX	IX	**04 21 19 35.0–.80**	**14.78N**	**93.79W**	**26–27**	**3.6**			¶603514331
MEX	Error ellipse: s-maj=7.6km s-min=9.4km az=-1.0.								
MEX	IX	**05 08 58 54.5–.46**	**14.35N**	**93.84W**	**16–24**	**3.8**			¶603514339
MEX	Error ellipse: s-maj=4.1km s-min=3.9km az=-1.0.								
ISC	IX	**05 09 24 31.8–.64**	**14.49N–.05**	**93.74W–.04**	**40–5**	**4.4b,3.7s**	**550**	**1-145**	
IDC	IX	05 09 24 26.1–.67	14.52N	93.54W	0	4.6,4.5			¶601675407
MEX	IX	05 09 24 29.7–.60	14.34N	93.79W	21–25	4.3,4.5			
NEIC	IX	05 09 24 29.7–.00	14.34N	93.79W	21	4.5b,4.3			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.0km s-min=11.0km az=52.0.								
MEX	Error ellipse: s-maj=5.1km s-min=4.5km az=-1.0.								
NEIC	Event type se. After MEX.								
ISC	IX	**05 10 45 56.5–.48**	**14.43N–.06**	**93.77W–.04**	**36–2**	**4.5b,3.5s**	**501**	**1-145**	
IDC	IX	05 10 45 51.7–.88	14.57N	93.54W	0	4.5,4.4			¶601675410
MEX	IX	05 10 45 54.6–.51	14.32N	93.82W	16–39	4.3,4.4			
NEIC	IX	05 10 45 54.6–.00	14.32N	93.82W	21	4.4b,4.3			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.8km s-min=11.7km az=47.0.								
MEX	Error ellipse: s-maj=4.6km s-min=3.2km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	IX	**05 22 51 35.0–.36**	**15.37N**	**93.31W**	**89–4**	**3.6**			¶603514344
MEX	Error ellipse: s-maj=5.0km s-min=5.8km az=-1.0.								
ISC	IX	**06 09 48 42.4–1.0**	**14.52N–.09**	**93.74W–.07**	**36**	**3.9b**	**22**	**1-134**	
IDC	IX	06 09 48 37.1–2.4	14.46N	93.73W	0	4.0,3.7L			¶601863036
MEX	IX	06 09 48 38.3–.47	14.31N	93.90W	15	3.8,3.7L			
ISCJB	IX	06 09 48 40.4–.71	14.49N–.05	93.77W–.05	36	3.8b,3.7s			
ISC	Event type ke.								
ISCJB	Event type ke.								
MEX	IX	**06 10 14 26.4–.60**	**14.93N**	**93.32W**	**56–13**	**3.5**			¶603514359
MEX	Error ellipse: s-maj=6.3km s-min=6.6km az=-1.0.								
MEX	IX	**07 15 47 58.6–.60**	**14.30N**	**93.80W**	**10–75**	**4.0**			
NEIC	IX	07 15 47 58.6–.00	14.30N	93.80W	10	4.0			¶601836712
MEX	Error ellipse: s-maj=49.4km s-min=44.0km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	IX	**07 17 19 30.6–.63**	**14.93N**	**93.68W**	**15**	**3.7**			¶603514377
MEX	Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.								
MEX	IX	**08 03 28 51.0–.53**	**14.20N**	**93.85W**	**10**	**3.7**			¶603514386
MEX	Error ellipse: s-maj=5.9km s-min=6.0km az=-1.0.								
MEX	IX	**08 03 31 01.1–.54**	**14.37N**	**93.82W**	**10**	**3.9**			¶603514387
MEX	Error ellipse: s-maj=5.5km s-min=5.3km az=-1.0.								
MEX	IX	**08 03 42 04.6–.57**	**14.33N**	**93.89W**	**16–135**	**4.1**			
NEIC	IX	08 03 42 04.6–.00	14.33N	93.89W	16	4.1			¶601839185
MEX	Error ellipse: s-maj=84.3km s-min=84.3km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	IX	**08 13 55 03.1–.75**	**14.40N**	**93.71W**	**7–22**	**4.2**			
NEIC	IX	08 13 55 03.1–.00	14.35N	93.71W	10	4.2,4.1b			¶601836718
MEX	Error ellipse: s-maj=15.2km s-min=12.8km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	IX	**08 15 47 37.4–.58**	**15.56N**	**93.26W**	**102–6**	**3.8**			¶603514390
MEX	Error ellipse: s-maj=4.0km s-min=4.8km az=-1.0.								
MEX	IX	**10 05 56 53.0–.48**	**14.88N**	**92.52W**	**88–4**	**3.6**			¶603514404
MEX	Error ellipse: s-maj=4.2km s-min=4.1km az=-1.0.								
MEX	IX	**11 14 49 56.0–.43**	**14.39N**	**93.88W**	**15**	**4.0**			¶603514416
MEX	Error ellipse: s-maj=4.8km s-min=5.1km az=-1.0.								
ISC	IX	**14 06 34 25.5–1.0**	**14.79N–.07**	**93.28W–.04**	**52–10**	**4.2b**	**118**	**1-134**	
ISCJB	IX	14 06 34 23.3–.59	14.74N–.05	93.33W–.03	48–5	4.2b			¶601819765
MEX	IX	14 06 34 25.2–.51	14.76N	93.33W	19–27	4.5			
NEIC	IX	14 06 34 25.1–.00	14.76N	93.33W	15	4.5,4.3b			
IDC	IX	14 06 34 27.4–2.8	15.09N	93.05W	74–20	4.0,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=7.7km s-min=4.1km az=14.3.								
MEX	Error ellipse: s-maj=4.4km s-min=4.9km az=-1.0.								
NEIC	Event type se. After MEX.								

IDC Error ellipse: s-maj=66.4km s-min=16.3km az=35.0.
MEX IX 14 16 45 00.4–.33 14.14N 92.57W 10 3.9
¶603514444

MEX Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0.
ISC IX 16 08 25 42.7–1.1 14.27N–.05 92.78W–.06 46–9 4.5b,3.9s 479 1-145
IDC IX 16 08 25 35.9–.80 14.31N 92.64W 0 4.4,4.2 **¶601717954**
MEX IX 16 08 25 38.9–.86 14.02N 93.08W 16–101 3.9,4.2
NEIC IX 16 08 25 42.9–.30 14.32N 92.79W 35 4.5b,3.9
ISCJB IX 16 08 25 43.1–.57 14.38N–.03 92.70W–.03 55–4 4.5b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MEX IX 18 01 29 37.2–.71 14.31N 92.48W 87–15 3.6
¶603514503

MEX Error ellipse: s-maj=12.9km s-min=11.1km az=-1.0.
MEX IX 18 03 11 51.3–.35 14.37N 92.27W 64–6 3.5
¶603514506

MEX Error ellipse: s-maj=4.8km s-min=4.6km az=-1.0.
ISC IX 18 13 18 11.4–2.7 14.1N–.10 92.08W–.07 15–12 3.8b 18 1-146
IDC IX 18 13 18 07.0–2.7 13.78N 92.03W 0 4.0,3.7 **¶601863760**
MEX IX 18 13 18 13.0–.49 13.95N 92.22W 16–165 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=25.3km az=178.0.
MEX Error ellipse: s-maj=136.3km s-min=35.9km az=-1.0.
MEX IX 18 19 48 44.1–.41 14.43N 92.20W 72–6 3.6
¶603514508

MEX Error ellipse: s-maj=6.4km s-min=7.5km az=-1.0.
MEX IX 19 10 03 39.1–.37 15.39N 93.50W 84–4 3.5
¶603514524

MEX Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
MEX IX 20 06 24 32.6–.46 15.66N 93.65W 90–4 3.8
¶603514533

MEX Error ellipse: s-maj=3.3km s-min=6.3km az=-1.0.
MEX IX 20 11 00 54.5–.59 14.93N 93.08W 64–11 3.7
¶603514538

MEX Error ellipse: s-maj=7.0km s-min=5.8km az=-1.0.
MEX IX 21 00 34 17.3–.32 14.03N 92.42W 23–25 3.7
¶603514551

MEX Error ellipse: s-maj=4.7km s-min=7.1km az=-1.0.
MEX IX 21 10 00 01.5–.72 14.83N 93.13W 59–20 3.6
¶603514556

MEX Error ellipse: s-maj=10.2km s-min=8.9km az=-1.0.
MEX IX 21 18 56 40.4–.48 14.76N 92.74W 76–7 3.6
¶603514561

MEX Error ellipse: s-maj=5.4km s-min=4.4km az=-1.0.
MEX IX 22 05 54 23.4–.55 15.06N 93.26W 75–9 3.7
¶603514571

MEX Error ellipse: s-maj=6.6km s-min=6.3km az=-1.0.
MEX IX 23 08 31 47.8–.67 15.33N 93.31W 86–6 3.6
¶603514598

MEX Error ellipse: s-maj=5.7km s-min=5.1km az=-1.0.
MEX IX 23 21 36 25.7–.56 14.86N 93.09W 53–20 3.5
¶603514602

MEX Error ellipse: s-maj=10.3km s-min=7.0km az=-1.0.
MEX IX 24 22 28 00.9–.45 14.84N 93.32W 56–13 3.6
¶603514615

MEX Error ellipse: s-maj=6.1km s-min=5.6km az=-1.0.
MEX IX 25 08 49 42.6–.68 14.35N 92.54W 16–58 3.6
¶603514621

MEX Error ellipse: s-maj=51.9km s-min=7.0km az=-1.0.
MEX IX 25 09 28 27.7–.76 14.39N 92.59W 56–17 3.9
¶603514623

MEX Error ellipse: s-maj=8.3km s-min=9.5km az=-1.0.
MEX IX 26 23 36 54.1–.34 15.24N 93.43W 73–5 3.8
¶603514668

MEX Error ellipse: s-maj=4.0km s-min=4.6km az=-1.0.
MEX IX 27 12 23 07.5–.68 14.53N 92.57W 62–17 3.7
¶603514687

MEX Error ellipse: s-maj=10.3km s-min=9.6km az=-1.0.
ISC IX 27 23 39 28.4–1.1 14.29N–.08 92.01W–.06 59–12 4.0b 52 1-146
ISCJB IX 27 23 39 27.0–.56 14.21N–.06 92.04W–.04 64–9 3.9b **¶601864318**
UCR IX 27 23 39 28.1–1.6 13.93N 92.06W 33–999 4.0L
MEX IX 27 23 39 28.8–.78 14.19N 91.96W 27–12 4.1
NEIC IX 27 23 39 29.1–.00 14.21N 91.97W 26 4.3
IDC IX 27 23 39 29.5–2.1 14.38N 91.88W 70–18 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=3.2km az=32.3.
UCR Error ellipse: s-maj=68.8km s-min=30.0km az=-1.0.
MEX Error ellipse: s-maj=7.6km s-min=11.9km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=26.0km s-min=9.3km az=20.0.
MEX IX 28 10 46 49.6–.52 15.72N 93.51W 89–5 3.8
¶603514708

MEX Error ellipse: s-maj=3.0km s-min=4.6km az=-1.0.
MEX IX 28 14 12 53.8–1.0 15.76N 93.29W 108–8 3.7
¶603514711

MEX Error ellipse: s-maj=4.9km s-min=7.6km az=-1.0.
MEX IX 28 16 08 52.6–.35 14.85N 93.21W 68–12 3.6
¶603514712

MEX Error ellipse: s-maj=6.7km s-min=5.2km az=-1.0.
MEX IX 29 22 24 41.6–.44 15.68N 93.68W 87–5 3.7
¶603514732

MEX Error ellipse: s-maj=4.0km s-min=6.2km az=-1.0.
MEX IX 30 06 46 12.5–.62 14.31N 92.87W 22–40 3.6
¶603514741

MEX Error ellipse: s-maj=10.1km s-min=8.4km az=-1.0.
MEX IX 30 13 32 27.6–.77 14.76N 93.24W 28–23 3.7
¶603514747

MEX Error ellipse: s-maj=6.9km s-min=6.0km az=-1.0.
MEX X 02 10 55 37.0–.73 15.46N 93.71W 75–9 3.6
¶603775661

MEX Error ellipse: s-maj=7.9km s-min=14.0km az=-1.0.
MEX X 03 04 33 32.7–.39 15.00N 93.08W 78–18 3.5
¶603775674

MEX Error ellipse: s-maj=18.0km s-min=11.9km az=-1.0.
MEX X 03 10 01 48.9–.42 15.45N 93.15W 104–8 3.7
¶603775678

MEX Error ellipse: s-maj=29.5km s-min=18.8km az=-1.0.
MEX X 03 18 01 41.0–.26 14.99N 93.03W 85–33 3.6
¶603775687

MEX Error ellipse: s-maj=36.8km s-min=21.8km az=-1.0.
MEX X 05 09 44 31.5–.37 14.20N 92.15W 85–19 3.8
¶603775719

MEX Error ellipse: s-maj=21.9km s-min=14.1km az=-1.0.
MEX X 05 17 32 17.6–.51 14.23N 92.07W 55–61 3.5
¶603775722

MEX Error ellipse: s-maj=28.4km s-min=22.0km az=-1.0.
MEX X 06 05 28 21.2–.81 14.08N 92.25W 10 3.7
¶603775729

MEX Error ellipse: s-maj=9.4km s-min=12.0km az=-1.0.
MEX X 08 16 54 19.2–.62 14.43N 92.17W 74–10 3.8
¶603775759

MEX Error ellipse: s-maj=12.8km s-min=13.0km az=-1.0.
MEX X 09 13 03 12.3–.59 14.80N 92.56W 88–7 3.7
¶603775777

MEX Error ellipse: s-maj=6.0km s-min=6.4km az=-1.0.
MEX X 09 19 41 03.4–.49 15.63N 93.91W 73–7 3.9
¶603775778

MEX Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
MEX X 09 23 26 07.4–.33 14.87N 93.60W 16–93 3.7
¶603775780

MEX Error ellipse: s-maj=54.2km s-min=68.9km az=-1.0.
MEX X 11 11 34 04.5–.60 15.15N 93.16W 89–8 3.6
¶603775816

MEX Error ellipse: s-maj=6.9km s-min=6.7km az=-1.0.
MEX X 11 22 12 44.7–.72 14.65N 93.53W 14–196 3.5
¶603775824

MEX Error ellipse: s-maj=131.7km s-min=128.2km az=-1.0.
MEX X 12 07 47 51.2–.45 15.73N 93.89W 80–6 3.7
¶603775834

MEX Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
ISC X 14 10 41 23.5–.37 14.65N–.04 92.51W–.03 75–2 5.3b 1643 1-157
MOS X 14 10 41 21.2–1.1 14.83N 92.05W 60 5.4b **¶601833199**
IDC X 14 10 41 21.9–1.9 14.84N 91.97W 58–15 5.1,5.0
UCR X 14 10 41 22.8–1.4 14.72N 92.46W 135–23 5.4b,5.3
MEX X 14 10 41 22.8–.94 14.46N 92.73W 14–17 5.2,5.3
ISCJB X 14 10 41 22.0–.12 14.75N–.01 92.39W–.01 69 5.2b,5.3
NEIC X 14 10 41 23.3–.15 14.68N 92.29W 69 5.5W,5.4b
GCMT X 14 10 41 23.3–.20 14.63N–.01 92.69W–.01 62–2 5.4W,5.4b
BJI X 14 10 41 27.6 14.80N 92.20W 98 5.4b,5.4b
ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.0km az=102.8.
IDC Error ellipse: s-maj=19.1km s-min=10.6km az=60.0.
UCR Error ellipse: s-maj=11.9km s-min=12.6km az=-1.0.
MEX Error ellipse: s-maj=13.2km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.4km az=44.3.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=45.0. Felt [IV] at Tapachula. Also felt at Comitan and Frontera Hidalgo. Felt [IV] at Quetzaltenango, Guatemala. Also felt at Antigua Guatemala, Cantel, Huehuetenango, San Andres Xecul, San Francisco El Alto, San Pablo, San Pedro La Laguna and Soloma. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.55 $M_{\theta\theta}$1.46 $M_{\phi\phi}$0.09 $M_{r\theta}$0.80 $M_{\theta\phi}$-1.15 $M_{r\phi}$0.07 Best double couple: NP1: ϕ_s140.00000°,δ39.00000°,λ-59.00000°. NP2:ϕ_s282.00000°,δ58.00000°,λ-113.00000°. Principal axes: T 2.2300,Plg10.0000°,Azm28.0000°; N -0.4100,Plg19.0000°,Azm294.0000° ; P -1.8200,Plg68.0000°,Azm145.0000° $M_0$2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c115; s104,c188;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.40±.04 $M_{\theta\theta}$-0.40±.03; $M_{\phi\phi}$0.79±.03; $M_{r\theta}$1.04±.03; $M_{\theta\phi}$-0.68±.03; $M_{\phi r}$-0.54±.02; Best double couple: NP1:ϕ_s299.00000°,δ81.00000° ,λ-125.00000°. NP2:ϕ_s196.00000°,δ36.00000°,λ-16.00000°. Principal axes: T 1.5860,Plg27.0000°,Azm56.0000°; N -0.1400,Plg34.0000°,Azm306.0000° ; P -1.4450,Plg44.0000°,Azm176.0000° $M_0$1.51500×10^{17}
MEX X 16 02 27 24.5–.54 14.64N 92.26W 95–7 3.5
¶603775895

MEX Error ellipse: s-maj=15.7km s-min=11.0km az=-1.0.
MEX X 17 01 17 45.9–.88 14.94N 93.39W 58–39 3.9
¶603775911

MEX Error ellipse: s-maj=14.5km s-min=15.5km az=-1.0.
MEX X 17 12 34 26.5–.43 15.26N 93.32W 80–5 3.7
¶603775915

MEX Error ellipse: s-maj=6.1km s-min=7.4km az=-1.0.
MEX X 17 17 30 40.6–.46 15.11N 93.17W 66–24 3.5
¶603775919

MEX Error ellipse: s-maj=22.0km s-min=14.9km az=-1.0.
MEX X 17 20 35 15.0–.66 15.62N 93.64W 92–14 3.7
¶603775921

MEX Error ellipse: s-maj=31.8km s-min=22.0km az=-1.0.
MEX X 20 13 34 20.5–.44 15.52N 93.53W 106–4 3.7
¶603775960

MEX Error ellipse: s-maj=6.4km s-min=5.3km az=-1.0.
MEX X 20 15 32 58.1–.75 14.30N 92.10W 120–32 3.8
¶603775961

MEX Error ellipse: s-maj=44.2km s-min=37.4km az=-1.0.
MEX X 20 17 12 12.8–.39 14.89N 92.62W 100–4 3.9
¶603775962

MEX Error ellipse: s-maj=4.6km s-min=3.7km az=-1.0.
MEX X 23 11 21 16.3–1.1 14.46N 92.78W 19–74 3.8
¶603776016

MEX Error ellipse: s-maj=13.0km s-min=7.9km az=-1.0.
MEX X 23 15 02 09.2–.67 14.67N 93.61W 20–121 3.9
¶603776017

MEX Error ellipse: s-maj=11.8km s-min=6.7km az=-1.0.
MEX X 23 18 15 23.3–.48 14.21N 92.15W 10 3.5
¶603776020

MEX Error ellipse: s-maj=4.0km s-min=7.9km az=-1.0.
MEX X 24 02 45 52.5–.36 14.26N 92.14W 26–67 3.5
¶603776026

MEX Error ellipse: s-maj=7.8km s-min=6.6km az=-1.0.
MEX X 24 04 18 18.2–.76 14.27N 92.36W 20–134 3.6
¶603776027

MEX Error ellipse: s-maj=9.4km s-min=10.1km az=-1.0.
MEX X 24 06 23 34.1–.72 14.71N 93.32W 21–56 3.6
¶603776029

MEX Error ellipse: s-maj=9.5km s-min=9.7km az=-1.0.
MEX X 24 13 10 57.1–.46 14.42N 92.82W 16–53 3.6
¶603776034

MEX Error ellipse: s-maj=46.2km s-min=14.7km az=-1.0.
MEX X 26 08 40 56.1–.43 14.29N 92.62W 185–12 3.8
¶603776066

MEX Error ellipse: s-maj=16.9km s-min=17.5km az=-1.0.
MEX X 26 15 11 06.8–.54 15.10N 93.59W 50–12 3.6
¶603776069

MEX Error ellipse: s-maj=5.3km s-min=5.6km az=-1.0.
MEX X 26 21 59 08.1–1.3 14.32N 92.42W 54–32 3.7
¶603776074

MEX Error ellipse: s-maj=32.3km s-min=24.3km az=-1.0.
MEX X 27 10 42 51.1–.44 15.38N 93.29W 80–4 4.0
NEIC X 27 10 42 51.1–.00 15.38N 93.29W 80 4.0 **¶601999825**
MEX Error ellipse: s-maj=8.4km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 27 15 16 02.5–.65 15.25N 93.02W 112–8 3.8
¶603776091

MEX Error ellipse: s-maj=9.8km s-min=7.2km az=-1.0.
ISC X 27 16 22 03.8–.39 14.56N–.05 92.41W–.04 63–3 4.9b 663 1-147
GCMT X 27 16 22 00.8–.20 14.36N–.02 92.61W–.02 57–1 5.0W **¶601852922**
UCR X 27 16 22 01.8–1.4 14.59N 92.40W 5–19 4.9b,4.2L
IDC X 27 16 22 03.8–.42 14.64N 92.03W 61–3 4.7,4.6
ISCJB X 27 16 22 03.1–.19 14.59N–.02 92.36W–.02 61 4.9b,4.6
MEX X 27 16 22 05.8–.74 14.41N 92.72W 57–41 5.0,4.6
NEIC X 27 16 22 05.8–.00 14.41N 92.72W 57 5.0,4.9b
MOS X 27 16 22 08.8–1.2 14.71N 92.03W 117 4.7b,4.9b
BJI X 27 16 22 09.0 14.60N 92.20W 96 5.3b,4.9b
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c88; s84,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.77±.15 $M_{\theta\theta}$3.22±.13; $M_{\phi\phi}$0.54±.16; $M_{r\theta}$0.14±.09; $M_{\theta\phi}$-2.32±.10; $M_{\phi r}$-1.05±.09; Best double couple: NP1:ϕ_s314.00000°,δ51.00000°,λ-71.00000°. NP2:ϕ_s106.00000°,δ42.00000°,λ-112.00000°. Principal axes: T 4.6110,Plg4.0000° ,Azm31.0000°; N -0.5820,Plg14.0000°,Azm122.0000°; P -4.0360,Plg75.0000° ,Azm284.0000° $M_0$4.32300×10^{16}
UCR Error ellipse: s-maj=9.6km s-min=26.3km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=8.1km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.1.
MEX Error ellipse: s-maj=14.5km s-min=9.6km az=-1.0.
NEIC Event type fe. Felt at Suchiate and Tapachula. Also felt at Panajachel and Quetzaltenango, Guatemala. After MEX.
MOS Error ellipse: s-maj=14.9km s-min=5.5km az=111.8.
MEX X 30 18 33 51.4–.60 15.01N 93.95W 10 3.8
¶603776453

MEX Error ellipse: s-maj=5.2km s-min=5.9km az=-1.0.
MEX XI 01 08 55 17.5–.31 14.25N 92.75W 54–15 3.7
¶603826470

MEX Error ellipse: s-maj=6.3km s-min=6.1km az=-1.0.

MEX	**XI**	**01 23 26 50.6–.46**	**15.89N**	**93.64W**	**120–5**	**4.0**			
NEIC	XI	01 23 26 50.6–.00	15.89N	93.64W	120	4.0			**¶602051240**
MEX	Error ellipse: s-maj=4.2km s-min=2.7km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	**XI**	**02 00 26 25.7–.50**	**14.23N**	**93.88W**	**15**	**3.9**			
									¶603826481
MEX	Error ellipse: s-maj=4.9km s-min=3.9km az=-1.0.								
ISC	**XI**	**02 03 28 21.1–1.1**	**14.13N–.07**	**92.26W–.06**	**48–10**	**4.5b**	**154**	**1-146**	
ISCJB	XI	02 03 28 19.1–.57	14.11N–.04	92.26W–.03	33–5	4.5b,3.9s			**¶601868278**
MEX	XI	02 03 28 19.7–.87	14.11N	92.22W	67–17	3.9,3.9s			
UCR	XI	02 03 28 20.8–1.2	14.05N	92.20W	35–999	4.5L,4.5b			
NEIC	XI	02 03 28 21.0–.78	14.08N	92.18W	37–6	4.5b,4.5b			
IDC	XI	02 03 28 27.1–2.4	14.35N	91.86W	94–19	4.1,4.0			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.4km s-min=2.9km az=38.2.								
MEX	Error ellipse: s-maj=10.5km s-min=12.1km az=-1.0.								
UCR	Error ellipse: s-maj=22.1km s-min=10.7km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=5.0km az=217.0.								
IDC	Error ellipse: s-maj=32.8km s-min=12.1km az=49.0.								
ISC	**XI**	**02 08 57 10.2–1.1**	**14.04N–.06**	**92.31W–.04**	**47–9**	**4.4b,3.7s**	**446**	**1-146**	
IDC	XI	02 08 57 04.1–.82	13.99N	92.30W	0	4.5,4.3			**¶601868136**
NEIC	XI	02 08 57 07.3–.00	13.90N	92.35W	15	4.5,4.4b			
MEX	XI	02 08 57 07.3–.81	13.90N	92.35W	15–89	4.5,4.4b			
UCR	XI	02 08 57 10.9–1.7	14.12N	92.06W	21–923	4.4b,4.1L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=24.6km s-min=13.6km az=42.0.								
NEIC	Event type se. After MEX.								
MEX	Error ellipse: s-maj=11.2km s-min=12.3km az=-1.0.								
UCR	Error ellipse: s-maj=99.9km s-min=580.7km az=-1.0.								
MEX	**XI**	**02 21 31 03.5–.49**	**14.51N**	**92.64W**	**58–20**	**3.7**			
									¶603826492
MEX	Error ellipse: s-maj=9.8km s-min=7.9km az=-1.0.								
MEX	**XI**	**03 01 49 50.3–.39**	**14.42N**	**93.68W**	**15**	**3.9**			
									¶603826493
MEX	Error ellipse: s-maj=4.2km s-min=3.8km az=-1.0.								
MEX	**XI**	**03 18 36 42.9–.46**	**14.96N**	**92.57W**	**102–4**	**3.8**			
									¶603826503
MEX	Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.								
MEX	**XI**	**04 02 32 39.9–.39**	**15.09N**	**93.16W**	**72–5**	**3.7**			
									¶603826510
MEX	Error ellipse: s-maj=5.1km s-min=4.4km az=-1.0.								
MEX	**XI**	**04 09 03 51.2–.46**	**14.06N**	**92.04W**	**23–21**	**3.8**			
									¶603826515
MEX	Error ellipse: s-maj=5.6km s-min=8.4km az=-1.0.								
MEX	**XI**	**06 18 12 55.0–.57**	**14.40N**	**93.01W**	**16–66**	**3.6**			
									¶603826547
MEX	Error ellipse: s-maj=56.0km s-min=22.9km az=-1.0.								
MEX	**XI**	**07 03 50 36.9–.95**	**15.59N**	**93.53W**	**89–8**	**3.9**			
									¶603826555
MEX	Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0.								
MEX	**XI**	**07 05 13 54.1–.45**	**14.15N**	**92.34W**	**42–21**	**3.6**			
									¶603826556
MEX	Error ellipse: s-maj=4.7km s-min=13.3km az=-1.0.								
ISC	**XI**	**07 16 35 49.3–.16**	**14.03N–.03**	**92.07W–.03**	**39–1**	**7.4s,6.5b**	**2702**	**1-164**	
NEIC	XI	07 16 35 46.9–.13	13.99N	91.90W	24	7.5,7.4W			**¶601879562**
IDC	XI	07 16 35 49.3–2.5	14.19N	91.74W	33–17	7.1s,7.1			
MOS	XI	07 16 35 49.0–.84	14.08N	91.83W	53	7.4s,6.6b			
BJI	XI	07 16 35 49.6	14.09N	92.00W	41	7.5,7.5s			
NEIC	XI	07 16 35 50.0–.00	14.18N	91.92W	30	7.5,7.5s			
MEX	XI	07 16 35 50.5–.57	14.03N	92.32W	17–25	7.3,7.5s			
UCR	XI	07 16 35 51.2–1.8	14.11N	91.89W	16–53	7.7b,6.6b			
ISCJB	XI	07 16 35 51.4–.26	14.16N–.01	91.89W–.01	71–2	6.3b,6.6b			
GCMT	XI	07 16 35 55.7–.10	14.11N–.01	92.43W–.01	21–0	7.4W,6.6b			
NEIC	XI	07 16 36 15.9–.00	14.19N	92.03W	30	7.4W,6.6b			
ISC	Event type de.								
NEIC	Event type de. Error ellipse: s-maj=3.0km s-min=2.2km az=216.0. At least 48 people killed, 155 injured, 100 missing and dozens of buildings damaged in Quetzaltenango and San Marcos. Felt [VII] at Quetzaltenango; [VI] at Antigua Guatemala, Cahabon and Villa Nueva; [V] at Fraijanes, Guatemala, Huehuetenango, Mixco and San Bartolome Milpas Altas; [IV] at Champerico, Coban, Panajachel, San Jose Pinula, Santa Catarina Pinula and Santiago Atitlan. Also felt [VI] at Tapachula; [IV] at Jalapa, Lazaro Cardenas, San Cristobal de Las Casas, Tuxtla Gutierrez and Villahermosa; [III] at Granjas Mexico and Mexico, Mexico. Felt [IV] at San Salvador and Antiguo Cuscatlan and [III] at Ilopango and Nueva San Salvador, El Salvador. Felt [III] at Belize City and Dangriga, Belize. Felt in many parts of Belize, El Salvador, Guatemala, Honduras, Mexico and Nicaragua. A tsunami was recorded with wave heights [in cm] at the following tide stations: 35 at Salina Cruz and 30 at Puerto Chiapas, Mexico; 10 at Acajutla, El Salvador; 7 at Kahului and 6 at Hilo, Hawaii; 5 on Isla Baltra, Galapagos Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ25.00000°,λ90.00000°. NP2: ϕ_s115.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm25.0000° ; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm205.0000°								
IDC	Error ellipse: s-maj=12.0km s-min=7.4km az=53.0.								
MOS	Error ellipse: s-maj=6.6km s-min=3.6km az=108.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ72.00000°,λ109.00000°. NP2: ϕ_s260.00000°,δ26.00000°,λ46.00000°. Principal axes: T Plg59.0000°,Azm63.0000° ; N Plg18.0000°,Azm301.0000°; P Plg24.0000°,Azm203.0000°								
NEIC	Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ69.00000° ,λ98.00000°. NP2:ϕ_s285.00000°,δ23.00000°,λ70.00000°. Principal axes: T 1.4800,Plg65.0000°,Azm50.0000°; N -0.0300,Plg7.0000°,Azm303.0000° ; P -1.4600,Plg23.0000°,Azm209.0000°								
MEX	Error ellipse: s-maj=5.6km s-min=6.9km az=-1.0.								
UCR	Error ellipse: s-maj=11.0km s-min=31.8km az=-1.0.								
ISCJB	Event type de. Error ellipse: s-maj=2.5km s-min=1.5km az=138.9.								
GCMT	nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s147,c393; s143,c658; Duration: 11s9 Moment tensor: Scale 10^{20}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$-0.88±.00; $M_{\phi\phi}$-0.22±.00; $M_{r\theta}$0.79±.03; $M_{\theta\phi}$0.41±.00; $M_{\phi r}$-0.53±.03; Best double couple: NP1:ϕ_s121.00000°,δ65.00000° ,λ94.00000°. NP2:ϕ_s291.00000°,δ25.00000°,λ81.00000°. Principal axes: T 1.4680,Plg69.0000°,Azm39.0000°; N -0.0420,Plg4.0000°,Azm299.0000° ; P -1.4260,Plg20.0000°,Azm208.0000° $M_0$1.44700×10^{20}								
NEIC	Event type se. Moment Tensor Solution. s173 Moment tensor: Scale 10^{20}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.49 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.52 Best double couple: NP1:ϕ_s291.00000° ,δ30.00000°,λ76.00000°. NP2:ϕ_s128.00000°,δ61.00000°,λ98.00000°. Principal axes: T 1.3800,Plg73.0000°,Azm58.0000°; N -0.0800,Plg7.0000°,Azm304.0000° ; P -1.3000,Plg16.0000°,Azm212.0000° $M_0$1.30000×10^{20}								
ISC	**XI**	**07 17 05 13.2–1.9**	**14.02N–.07**	**92.29W–.07**	**12–10**	**4.5b**	**40**	**1-146**	
IDC	XI	07 17 05 11.3–.82	13.68N	92.28W	0	4.6,4.4			**¶601991526**
ISCJB	XI	07 17 05 14.4–1.9	14.10N–.08	92.2W–.10	28–12	4.5b,4.4			
MEX	XI	07 17 05 16.8–.36	14.07N	92.49W	20	3.8,4.4			
NEIC	XI	07 17 05 16.6–.58	14.04N	92.03W	35	4.4b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.6km s-min=15.4km az=44.0.								
ISCJB	Event type se. Error ellipse: s-maj=20.7km s-min=7.8km az=148.7.								
MEX	Error ellipse: s-maj=4.4km s-min=7.5km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=25.3km s-min=8.9km az=55.0.								
ISC	**XI**	**07 17 07 10.0–2.0**	**14.09N–.06**	**92.24W–.06**	**23–13**	**4.7b**	**85**	**1-147**	
NEIC	XI	07 17 07 12.0–.35	14.10N	92.03W	35	4.7b,4.0			**¶602054271**
IDC	XI	07 17 07 11.9–3.0	14.11N	92.05W	34–21	4.6,4.6			
MEX	XI	07 17 07 11.5–.63	13.99N	92.49W	20–28	4.0,4.6			
ISCJB	XI	07 17 07 12.8–.87	14.14N–.06	92.18W–.06	55–6	4.6b,4.6			
UCR	XI	07 17 07 14.4–1.0	14.65N	91.91W	20	4.7b,4.6			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=12.8km s-min=5.5km az=55.0.								
IDC	Error ellipse: s-maj=21.2km s-min=10.4km az=50.0.								
MEX	Error ellipse: s-maj=5.8km s-min=12.1km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=14.0km s-min=4.4km az=41.9.								
UCR	Error ellipse: s-maj=134.3km s-min=61.4km az=-1.0.								
ISC	**XI**	**07 18 09 26.8–1.5**	**14.17N–.08**	**92.44W–.07**	**44–12**	**4.2b**	**136**	**1-146**	
ISCJB	XI	07 18 09 25.9–.76	14.19N–.05	92.36W–.05	51–5	4.2b			**¶601880064**
MEX	XI	07 18 09 25.7–.73	14.05N	92.49W	17–38	4.2			
UCR	XI	07 18 09 26.5–.59	14.00N	92.37W	35	4.3b,3.9L			
NEIC	XI	07 18 09 26.4–.56	14.18N	92.33W	35	4.3b,4.2			
IDC	XI	07 18 09 26.1–4.2	14.26N	92.04W	35–27	4.3,4.2			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.8km s-min=4.5km az=42.2.								
MEX	Error ellipse: s-maj=7.1km s-min=8.9km az=-1.0.								
UCR	Error ellipse: s-maj=71.0km s-min=7.4km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=14.4km s-min=7.5km az=47.0.								
IDC	Error ellipse: s-maj=38.3km s-min=21.0km az=22.0.								
MEX	**XI**	**07 18 43 22.5–.46**	**14.10N**	**92.57W**	**16–56**	**3.8**			
									¶603826563
MEX	Error ellipse: s-maj=49.1km s-min=3.8km az=-1.0.								
MEX	**XI**	**07 19 06 06.2–.46**	**14.14N**	**92.57W**	**19–344**	**3.6**			
									¶603826565
MEX	Error ellipse: s-maj=9.0km s-min=8.6km az=-1.0.								
MEX	**XI**	**07 19 09 14.4–.48**	**14.54N**	**92.16W**	**4–4**	**3.7**			
IDC	XI	07 19 09 01.6–4.9	14.17N	91.27W	0	3.9L,3.8			**¶602388978**
MEX	Error ellipse: s-maj=3.8km s-min=6.9km az=-1.0.								
IDC	Error ellipse: s-maj=272.7km s-min=69.1km az=43.0.								
ISC	**XI**	**07 19 29 49.8–3.0**	**14.4N–.20**	**92.2W–.10**	**67**	**3.5b**	**9**	**1-146**	
MEX	XI	07 19 29 49.1–.68	14.24N	92.15W	65–15	3.8			**¶602388979**
IDC	XI	07 19 29 52.4–2.7	13.59N	91.12W	0	3.9L,3.8			
ISC	Event type ke.								
MEX	Error ellipse: s-maj=9.7km s-min=10.5km az=-1.0.								
IDC	Error ellipse: s-maj=49.0km s-min=18.2km az=131.0.								
MEX	**XI**	**07 20 30 39.1–.57**	**14.10N**	**92.29W**	**15**	**3.7**			
									¶603826567
MEX	Error ellipse: s-maj=5.0km s-min=7.3km az=-1.0.								
ISC	**XI**	**07 21 17 17.9–1.7**	**14.2N–.10**	**92.10W–.08**	**35**	**3.8b**	**20**	**2-146**	
IDC	XI	07 21 17 08.4–3.1	13.48N	92.09W	0	4.1,3.9L			**¶602051300**
NEIC	XI	07 21 17 10.5–.00	13.84N	91.64W	22	4.0,3.9L			
MEX	XI	07 21 17 10.5–.37	13.84N	91.66W	20–14	4.0,3.9L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=62.2km s-min=35.1km az=4.0.								
NEIC	Event type se. After MEX.								
MEX	Error ellipse: s-maj=4.9km s-min=9.0km az=-1.0.								
ISC	**XI**	**07 21 37 21.3–1.5**	**14.2N–.10**	**92.14W–.09**	**54**	**3.7b**	**15**	**2-146**	
IDC	XI	07 21 37 12.0–2.7	13.77N	92.00W	0	4.0,3.9L			**¶602388992**
MEX	XI	07 21 37 16.0–.44	13.87N	92.23W	17–32	3.9,3.9L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=48.8km s-min=16.7km az=159.0.								
MEX	Error ellipse: s-maj=5.0km s-min=9.2km az=-1.0.								
ISC	**XI**	**07 22 35 46.2–2.2**	**14.1N–.20**	**92.47W–.08**	**35**		**11**	**2-146**	
MEX	XI	07 22 35 41.1–.73	13.80N	92.75W	33–663	3.6			**¶602388997**
IDC	XI	07 22 35 41.6–2.6	13.92N	92.28W	0	3.6,3.4			
ISC	Event type ke.								
MEX	Error ellipse: s-maj=10.7km s-min=14.7km az=-1.0.								
IDC	Error ellipse: s-maj=44.3km s-min=22.4km az=16.0.								
ISC	**XI**	**08 00 10 54.2–2.3**	**14.03N–.10**	**92.21W–.07**	**23–18**	**3.6b**	**32**	**2-146**	
IDC	XI	08 00 10 46.3–3.0	13.33N	92.16W	0	3.9,3.7L			**¶602051317**
ISCJB	XI	08 00 10 52.0–2.6	14.03N–.08	92.23W–.07	15–23	3.7b,3.7L			
MEX	XI	08 00 10 53.3–.55	13.90N	92.28W	15–28	4.1,3.7L			
NEIC	XI	08 00 10 53.0–.00	13.87N	92.29W	20	4.2b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=59.6km s-min=36.0km az=6.0.								
ISCJB	Event type se. Error ellipse: s-maj=16.2km s-min=8.4km az=34.8.								
MEX	Error ellipse: s-maj=5.6km s-min=18.8km az=-1.0.								
NEIC	Event type se. After MEX.								
MEX	**XI**	**08 00 22 15.0–.48**	**14.02N**	**92.46W**	**31–45**	**3.9**			
									¶603826568
MEX	Error ellipse: s-maj=9.9km s-min=12.4km az=-1.0.								
ISC	**XI**	**08 01 07 35.8–2.1**	**14.16N–.09**	**92.39W–.07**	**29–14**	**4.5b**	**89**	**2-146**	
MEX	XI	08 01 07 31.0–.41	13.66N	92.19W	20–16	3.9			**¶602054278**
IDC	XI	08 01 07 31.2–2.0	14.15N	92.54W	0	4.5,4.2			
ISCJB	XI	08 01 07 34.7–1.1	14.05N–.07	92.42W–.06	38–9	4.4b,4.2			
NEIC	XI	08 01 07 36.8–.75	14.15N	92.37W	35	4.5b,4.2			
ISC	Event type se.								
MEX	Error ellipse: s-maj=4.3km s-min=13.1km az=-1.0.								
IDC	Error ellipse: s-maj=49.3km s-min=20.6km az=24.0.								
ISCJB	Event type se. Error ellipse: s-maj=14.5km s-min=5.9km az=37.9.								
NEIC	Event type se. Error ellipse: s-maj=14.9km s-min=9.0km az=207.0.								
ISC	**XI**	**08 01 15 36.8–3.4**	**14.5N–.50**	**92.2W–.20**	**62**	**3.6b**	**7**	**2-62**	
IDC	XI	08 01 15 26.5–6.7	13.95N	92.37W	0	3.9,3.7b			**¶602389007**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=133.8km s-min=31.8km az=6.0.								
ISC	**XI**	**08 02 20 35.4–.87**	**14.07N–.05**	**92.22W–.05**	**33–3**	**4.9b**	**840**	**1-160**	
IDC	XI	08 02 20 35.3–2.9	14.13N	91.93W	33–20	5.1L,4.6			**¶601880083**
MOS	XI	08 02 20 35.5–.94	14.12N	91.90W	44	4.9b,4.6			
MEX	XI	08 02 20 36.4–.60	14.03N	92.40W	26–28	4.8,4.6			
NEIC	XI	08 02 20 36.7–.00	14.05N	92.40W	17	4.9b,4.8			
UCR	XI	08 02 20 36.2–1.9	14.49N	91.92W	169–89	4.9b,4.3L			
ISCJB	XI	08 02 20 40.9–.45	14.25N–.03	91.83W–.02	92–4	4.8b,4.3L			
ISC	Event type se.								
NEIC	Event type se. After MEX.								
ISCJB	Event type se.								
ISC	**XI**	**08 02 26 38.4–2.4**	**14.11N–.06**	**92.81W–.06**	**29–16**	**4.5b**	**126**	**1-146**	
ISCJB	XI	08 02 26 38.1–.92	14.12N–.05	92.69W–.05	35–7	4.4b			**¶607167745**
MEX	XI	08 02 26 39.1–.46	14.06N	92.86W	18–41	4.3			
IDC	XI	08 02 26 40.5–3.6	14.46N	92.34W	34–24	4.2,4.2			
NEIC	XI	08 02 26 41.1–1.0	14.21N	92.57W	43–8	4.5b,4.2			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.8km s-min=4.8km az=41.0.								
MEX	Error ellipse: s-maj=7.2km s-min=6.5km az=-1.0.								
IDC	Error ellipse: s-maj=37.3km s-min=12.3km az=43.0.								
NEIC	Event type se. Error ellipse: s-maj=13.7km s-min=5.1km az=223.0.								
ISC	**XI**	**08 02 27 17.9–.53**	**14.34N–.07**	**92.38W–.08**	**62**	**4.7b**	**149**	**2-147**	
ISCJB	XI	08 02 27 15.9–.37	14.25N–.05	92.35W–.04	62	4.7b			**¶602389008**
NEIC	XI	08 02 27 15.0–.41	14.24N	92.37W	35	4.8b			
IDC	XI	08 02 27 16.0–3.5	14.58N	92.15W	33–24	4.6,4.5			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=36.0.								
NEIC	Event type se. Error ellipse: s-maj=10.0km s-min=4.9km az=214.0.								
IDC	Error ellipse: s-maj=29.6km s-min=11.0km az=52.0.								
MEX	**XI**	**08 02 49 37.0–.69**	**14.24N**	**92.45W**	**68–17**	**3.7**			
									¶603826572
MEX	Error ellipse: s-maj=10.8km s-min=11.0km az=-1.0.								
MEX	**XI**	**08 03 24 11.4–.46**	**14.03N**	**92.52W**	**19–32**	**3.9**			
									¶603826573
MEX	Error ellipse: s-maj=4.1km s-min=5.0km az=-1.0.								
MEX	**XI**	**08 03 48 46.5–.51**	**14.37N**	**92.48W**	**73–11**	**3.7**			
									¶603826574
MEX	Error ellipse: s-maj=7.9km s-min=7.0km az=-1.0.								
IDC	**XI**	**08 05 21 44.9–5.1**	**14.35N**	**92.01W**	**0**	**3.8,3.5**			
									¶602389017
IDC	Error ellipse: s-maj=440.1km s-min=69.5km az=46.0.								
ISC	**XI**	**08 06 10 47.6–2.2**	**14.16N–.07**	**92.65W–.06**	**4–13**		**28**	**1-51**	
IDC	XI	08 06 10 49.6–3.2	14.24N	92.26W	0	4.0,3.7			**¶602051321**
MEX	XI	08 06 10 51.4–.41	14.10N	92.65W	46–22	3.7,3.7			
NEIC	XI	08 06 10 51.5–.00	14.10N	92.67W	20	4.0,3.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=45.1km s-min=13.8km az=3.0.								
MEX	Error ellipse: s-maj=5.3km s-min=6.4km az=-1.0.								
NEIC	Event type se. After MEX.								
ISC	**XI**	**08 08 16 48.0–1.3**	**14.20N–.07**	**92.62W–.06**	**47–12**	**4.3b,3.7s**	**123**	**1-146**	
MEX	XI	08 08 16 44.6–.54	14.02N	92.92W	20–65	4.0,3.7s			**¶602051324**
ISCJB	XI	08 08 16 47.1–.75	14.23N–.05	92.52W–.04	50–6	4.2b,3.7s			
NEIC	XI	08 08 16 49.2–.60	14.26N	92.50W	51–5	4.3,4.3b			
IDC	XI	08 08 16 51.6–2.9	14.41N	92.36W	76–24	4.0,4.0			
ISC	Event type se.								
MEX	Error ellipse: s-maj=55.0km s-min=14.1km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.6km s-min=4.1km az=36.2.								

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.2km az=212.0.
IDC Error ellipse: s-maj=33.5km s-min=12.5km az=47.0.
MEX XI 08 09 19 00.4–.49 14.17N 92.76W 15–78 3.9
¶603826577

MEX Error ellipse: s-maj=66.9km s-min=13.6km az=-1.0.
MEX XI 08 10 00 20.8–.63 14.11N 92.53W 18–627 3.9
¶603826578

MEX Error ellipse: s-maj=10.2km s-min=10.2km az=-1.0.
MEX XI 08 11 44 37.6–.41 14.26N 93.02W 15–31 4.0
¶603826581

MEX Error ellipse: s-maj=5.5km s-min=4.3km az=-1.0.
MEX XI 08 11 49 30.4–.57 14.07N 92.53W 15–106 3.9
¶603826582

MEX Error ellipse: s-maj=92.0km s-min=6.7km az=-1.0.
MEX XI 08 15 54 23.7–.82 15.83N 93.89W 86–9 3.9
¶603826585

MEX Error ellipse: s-maj=4.7km s-min=3.1km az=-1.0.
MEX XI 08 16 02 46.9–.67 15.98N 93.75W 94–7 3.8
¶603826586

MEX Error ellipse: s-maj=4.4km s-min=3.6km az=-1.0.
ISC XI 08 18 04 07.2–1.3 14.0N–.10 92.11W–.10 54 14 2-146
IDC XI 08 18 04 01.0–1.8 13.99N 92.17W 0 4.0,3.8L ¶602389045
MEX XI 08 18 04 02.6–.41 13.75N 92.08W 19–49 3.9,3.8L
ISCJB XI 08 18 04 04.5–1.1 13.94N–.09 92.14W–.09 54 3.8b,2.7s
ISC Event type ke.
ISCJB Event type ke.
MEX XI 08 19 33 12.5–.37 14.01N 92.58W 27–12 3.9
¶603826589

MEX Error ellipse: s-maj=6.0km s-min=7.7km az=-1.0.
ISC XI 08 19 40 05.9–1.7 14.2N–.10 92.59W–.07 35 12 2-146
IDC XI 08 19 39 57.1–2.9 13.70N 92.62W 0 3.7,3.7b ¶602389047
MEX XI 08 19 40 03.3–.63 14.13N 92.42W 90–29 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=52.8km s-min=28.3km az=6.0.
MEX Error ellipse: s-maj=18.7km s-min=15.7km az=-1.0.
ISC XI 08 21 01 14.1–2.5 14.11N–.08 92.51W–.06 5–14 4.3b,3.5s 45 2-146
IDC XI 08 21 01 12.9–1.2 13.97N 92.55W 0 4.3,4.1 ¶601906729
UCR XI 08 21 01 13.7–.60 14.37N 92.60W 30 4.2b,4.0L
ISCJB XI 08 21 01 14.3–1.9 14.09N–.06 92.51W–.04 17–15 4.2b,3.4s
NEIC XI 08 21 01 17.4–2.7 14.00N 92.51W 30–19 4.2b,4.1
MEX XI 08 21 01 20.6–.36 14.28N 92.50W 6–42 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=15.1km az=42.0.
UCR Error ellipse: s-maj=27.3km s-min=7.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.8km az=31.5.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.2km az=221.0.
MEX Error ellipse: s-maj=36.8km s-min=4.3km az=-1.0.
MEX XI 08 22 00 15.4–.43 14.22N 92.33W 97–16 4.0
¶603826592

MEX Error ellipse: s-maj=13.1km s-min=10.2km az=-1.0.
ISC XI 08 22 44 55.1–2.1 14.06N–.08 92.45W–.07 13–11 4.0b,3.4s 32 1-146
IDC XI 08 22 44 52.9–1.2 13.97N 92.45W 0 4.1,4.0b ¶602051326
ISCJB XI 08 22 44 56.0–1.6 14.08N–.06 92.49W–.06 29–10 3.9b,3.3s
NEIC XI 08 22 44 57.9–.87 14.02N 92.41W 35 4.0b,3.9
MEX XI 08 22 44 58.1–.51 14.08N 92.46W 12–52 3.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=18.0km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=35.5.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=10.1km az=47.0.
MEX Error ellipse: s-maj=45.3km s-min=6.7km az=-1.0.
MEX XI 09 00 46 08.7–.41 14.06N 92.40W 10–20 3.9
¶603826595

MEX Error ellipse: s-maj=17.9km s-min=4.8km az=-1.0.
MEX XI 09 06 39 44.0–.40 14.10N 92.44W 30–11 3.9
¶603826600

MEX Error ellipse: s-maj=3.4km s-min=8.1km az=-1.0.
ISC XI 09 08 52 12.1–1.3 14.01N–.07 92.28W–.06 43–11 4.3b,3.7s 179 1-154
IDC XI 09 08 52 05.3–.87 13.81N 92.25W 0 4.4,4.1L ¶601882618
ISCJB XI 09 08 52 11.2–.71 14.00N–.04 92.14W–.04 49–6 4.3b,3.8s
NEIC XI 09 08 52 11.3–.38 13.93N 92.19W 35 4.3b,4.1
MEX XI 09 08 52 12.8–.58 14.08N 92.37W 18–48 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=15.7km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=38.6.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=209.0.
MEX Error ellipse: s-maj=5.4km s-min=7.2km az=-1.0.
MEX XI 09 09 02 06.0–.49 14.05N 92.39W 27–51 3.9
¶603826603

MEX Error ellipse: s-maj=5.2km s-min=6.7km az=-1.0.
MEX XI 09 12 19 46.1–.41 14.04N 92.42W 15 3.9
¶603826604

MEX Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0.
ISC XI 09 12 55 01.1–.95 14.02N–.09 92.57W–.07 46 4.3b,3.6s 35 1-146
IDC XI 09 12 54 54.5–1.2 13.86N 92.48W 0 4.2,4.0b ¶601883710
NEIC XI 09 12 54 59.9–1.0 13.90N 92.55W 35 4.4b,3.8
MEX XI 09 12 54 59.5–.53 13.93N 92.65W 16–109 3.9,3.8
ISCJB XI 09 12 55 00.4–.69 14.07N–.05 92.50W–.07 46 4.3b,3.6s
ISC Event type fe.
NEIC Event type fe. Felt at Villa Comaltitlan.
ISCJB Event type fe.
ISC XI 09 13 25 20.0–1.8 14.0N–.10 92.05W–.09 35 14 1-146
IDC XI 09 13 25 13.5–2.7 13.77N 92.06W 0 3.8,3.5 ¶602389095
MEX XI 09 13 25 16.2–.47 13.83N 92.15W 5 3.9,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=43.6km s-min=17.3km az=162.0.
MEX Error ellipse: s-maj=5.0km s-min=10.1km az=-1.0.
ISC XI 09 13 35 29.0–1.6 14.2N–.10 92.37W–.08 35 15 1-146
IDC XI 09 13 35 21.7–3.1 13.89N 92.32W 0 3.8,3.6 ¶602389096
MEX XI 09 13 35 25.8–.53 14.00N 92.49W 23–40 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=57.5km s-min=17.3km az=167.0.
MEX Error ellipse: s-maj=5.9km s-min=11.2km az=-1.0.
ISC XI 09 14 42 43.1–.56 14.11N–.07 92.27W–.07 46 4.3b,3.9s 176 1-147
UCR XI 09 14 42 29.8–1.5 15.54N 92.75W 31–999 4.6b,3.9s ¶601882841
ISCJB XI 09 14 42 41.4–.39 14.15N–.04 92.23W–.04 46 4.4b,4.0s
MEX XI 09 14 42 42.2–.59 14.03N 92.40W 13–999 4.2,4.0s
NEIC XI 09 14 42 42.5–.60 14.06N 92.25W 35 4.6b,4.3
IDC XI 09 14 42 42.4–3.6 14.19N 92.06W 35–27 4.4,4.3
ISC Event type se.
UCR Error ellipse: s-maj=250.4km s-min=732.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.1km az=40.4.
MEX Error ellipse: s-maj=10.3km s-min=13.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.0km az=220.0.
IDC Error ellipse: s-maj=33.1km s-min=12.8km az=51.0.
ISC XI 09 15 36 37.7–1.3 14.1N–.10 92.14W–.09 54 3.6b,3.6s 17 1-146
IDC XI 09 15 36 31.3–1.6 13.99N 92.21W 0 3.9,3.7 ¶602389100
MEX XI 09 15 36 32.1–.33 13.72N 92.15W 15 4.1,3.7
ISCJB XI 09 15 36 34.8–.98 13.96N–.07 92.14W–.08 54 3.6b,3.5s
ISC Event type ke.
ISCJB Event type ke.
MEX XI 09 17 32 02.5–.53 14.17N 92.28W 15 3.7
¶603826607

MEX Error ellipse: s-maj=5.5km s-min=6.4km az=-1.0.
MEX XI 09 21 19 14.1–.41 14.22N 92.64W 16–73 3.8
¶603826609

MEX Error ellipse: s-maj=62.8km s-min=5.6km az=-1.0.
MEX XI 09 22 58 10.0–.37 14.21N 92.61W 17–77 3.9
¶603826610

MEX Error ellipse: s-maj=68.7km s-min=4.3km az=-1.0.
MEX XI 10 03 25 33.2–.45 15.28N 93.04W 91–5 3.6
¶603826615

MEX Error ellipse: s-maj=4.2km s-min=5.1km az=-1.0.
MEX XI 10 03 40 25.5–.63 14.11N 92.66W 17–999 3.9
¶603826617

MEX Error ellipse: s-maj=12.6km s-min=12.4km az=-1.0.
MEX XI 10 05 13 29.4–.49 14.72N 93.73W 16–999 3.8
¶603826619

MEX Error ellipse: s-maj=6.8km s-min=6.6km az=-1.0.
MEX XI 10 07 35 32.1–.27 14.08N 92.30W 32–10 3.8
¶603826621

MEX Error ellipse: s-maj=4.0km s-min=9.9km az=-1.0.
MEX XI 10 09 54 29.1–.75 14.20N 92.92W 0–81 3.8
¶603826624

MEX Error ellipse: s-maj=70.5km s-min=19.9km az=-1.0.
MEX XI 10 10 33 43.1–.42 14.01N 92.34W 24–19 3.7
¶603826625

MEX Error ellipse: s-maj=5.3km s-min=6.9km az=-1.0.
ISC XI 10 11 23 35.4–2.8 14.2N–.10 92.71W–.07 13–13 15 1-146
IDC XI 10 11 23 33.5–2.3 14.21N 92.73W 0 4.2,3.9 ¶602389146
MEX XI 10 11 23 37.7–.49 14.10N 92.59W 12–91 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=20.7km az=27.0.
MEX Error ellipse: s-maj=79.4km s-min=5.5km az=-1.0.
ISC XI 10 11 45 18.6–2.5 14.08N–.10 92.33W–.07 10–12 4.2b 44 1-146
IDC XI 10 11 45 15.9–2.3 13.94N 92.27W 0 4.1,3.9 ¶602051351
ISCJB XI 10 11 45 19.3–1.3 14.16N–.05 92.25W–.04 22–9 4.1b,3.4s
UCR XI 10 11 45 21.7–1.2 14.19N 92.17W 34–999 4.2b,4.1L
MEX XI 10 11 45 22.8–.47 14.19N 92.39W 17–69 3.9,4.1L
NEIC XI 10 11 45 22.9–.00 14.17N 92.37W 16 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=24.1km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=35.4.
UCR Error ellipse: s-maj=64.8km s-min=999.9km az=-1.0.
MEX Error ellipse: s-maj=59.9km s-min=8.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 10 11 53 19.7–.37 14.66N 92.93W 9–23 3.5
¶603826627

MEX Error ellipse: s-maj=21.8km s-min=9.8km az=-1.0.
ISC XI 10 13 05 48.9–2.3 14.08N–.07 92.67W–.06 20–10 4.1b 20 1-146
IDC XI 10 13 05 45.5–1.2 13.97N 92.69W 0 4.2,4.1b ¶602389150
ISCJB XI 10 13 05 47.5–1.8 14.02N–.06 92.75W–.07 24–12 4.1b,3.3s
MEX XI 10 13 05 50.1–.37 14.00N 92.75W 22–80 3.9,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=16.8km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=8.6km az=145.5.
MEX Error ellipse: s-maj=69.9km s-min=10.7km az=-1.0.
ISC XI 10 13 50 38.0–3.4 14.2N–.10 92.33W–.10 11–23 3.6b 18 1-146
IDC XI 10 13 50 35.0–2.8 13.91N 92.44W 0 3.9,3.7 ¶602389154
MEX XI 10 13 50 41.0–.82 14.22N 92.36W 80–18 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=54.6km s-min=24.6km az=5.0.
MEX Error ellipse: s-maj=12.5km s-min=12.5km az=-1.0.
MEX XI 10 14 32 25.7–.32 14.25N 92.78W 10–52 3.8
¶603826630

MEX Error ellipse: s-maj=44.2km s-min=10.7km az=-1.0.
ISC XI 10 17 23 54.6–3.0 14.2N–.10 92.40W–.07 4–19 14 1-146
IDC XI 10 17 23 52.3–3.2 13.84N 92.44W 0 3.7,3.4 ¶602389169
MEX XI 10 17 23 59.5–.57 14.11N 92.47W 16–999 3.9,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=26.6km az=179.0.
MEX Error ellipse: s-maj=10.1km s-min=9.3km az=-1.0.
ISC XI 10 19 46 25.4–1.3 14.2N–.10 92.10W–.09 54 3.6b 17 1-146
IDC XI 10 19 46 17.9–1.8 13.90N 92.19W 0 3.8,3.6 ¶602389171
MEX XI 10 19 46 21.3–.40 14.00N 92.17W 79–12 3.9,3.6
ISCJB XI 10 19 46 23.2–1.2 14.14N–.08 92.17W–.09 54 3.6b,3.1s
ISC Event type ke.
ISCJB Event type ke.
MEX XI 10 20 02 25.9–.53 14.11N 92.57W 24–37 3.9
¶603826633

MEX Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISC XI 10 20 22 14.7–.86 14.17N–.08 92.39W–.06 38–2 4.4b,3.8s 79 1-146
IDC XI 10 20 22 08.3–1.1 13.91N 92.52W 0 4.2,4.0 ¶602054294
NEIC XI 10 20 22 09.5–1.6 13.92N 92.47W 6–10 4.5b,4.0
ISCJB XI 10 20 22 12.1–1.3 14.07N–.05 92.39W–.04 33–9 4.3b,3.7s
MEX XI 10 20 22 13.7–.42 14.10N 92.40W 68–15 3.9,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=16.3km az=39.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=207.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.5km az=39.4.
MEX Error ellipse: s-maj=8.1km s-min=8.9km az=-1.0.
MEX XI 11 09 40 56.7–.50 14.03N 92.51W 50–25 3.6
¶603826643

MEX Error ellipse: s-maj=8.1km s-min=12.8km az=-1.0.
MEX XI 11 21 58 33.1–.66 14.34N 92.30W 55–12 3.7
¶603826657

MEX Error ellipse: s-maj=8.5km s-min=8.3km az=-1.0.
ISC XI 11 22 14 59.1–.43 14.07N–.03 92.33W–.03 19–1 6.3s,5.8b 1879 1-160
UCR XI 11 22 14 50.1–1.5 14.52N 93.10W 38–108 6.4b,5.5b ¶601884078
MEX XI 11 22 14 57.2–2.0 13.75N 92.45W 18–24 6.2,5.5b
NEIC XI 11 22 14 59.2–.14 14.13N 92.16W 20 6.5W,6.4W
IDC XI 11 22 15 00.8–2.5 14.19N 92.14W 34–18 6.1s,6.1
MOS XI 11 22 15 00.7–1.1 14.32N 92.09W 36 6.3s,5.8b
BJI XI 11 22 15 00.2 14.21N 92.17W 30 6.5,6.5s
NEIC XI 11 22 15 01.0–.00 14.11N 92.23W 15 6.5,6.5s
ISCJB XI 11 22 15 02.6–.28 14.22N–.01 92.15W–.01 60–2 5.7b,6.5s
GCMT XI 11 22 15 06.2–.10 13.94N 92.68W 12 6.4W,6.5s
NEIC XI 11 22 15 25.3–.00 14.20N 92.30W 21 6.4W,6.5s
ISC Event type fe.
UCR Error ellipse: s-maj=31.0km s-min=62.4km az=-1.0.
MEX Error ellipse: s-maj=6.6km s-min=6.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=213.0. Felt [III] at Cahabon, El Palmar, Guatemala, Ocos and Villa Nueva; [II] at Mixco. Felt widely in southern Guatemala. Felt [II] at San Salvador, El Salvador. Also felt at Delgado. Felt at Huixtla, La Concordia, San Cristobal de Las Casas, Tapachula and Tuxtla Gutierrez, Mexico. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.06 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s65 Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.58 $M_{\theta\phi}$0.23 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s107.00000° ,δ70.00000°,λ93.00000°. NP2:ϕ_s277.00000°,δ20.00000°,λ81.00000°. Principal axes: T 2.2600,Plg65.0000°,Azm23.0000°; N -0.1600,Plg3.0000°,Azm286.0000° ; P -2.1000,Plg25.0000°,Azm195.0000° $M_0$2.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s285.00000°,δ15.00000°,λ90.00000°. NP2: ϕ_s105.00000°,δ75.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm15.0000° ; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm195.0000°
IDC Error ellipse: s-maj=15.9km s-min=9.6km az=56.0.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=105.0.
NEIC Event type se. Moment Tensor Solution. s79 Moment tensor: Scale 10^{18}Nm; M_{rr}3.36 $M_{\theta\theta}$-2.53 $M_{\phi\phi}$-0.83 $M_{r\theta}$6.04 $M_{\theta\phi}$1.07 $M_{\phi r}$-2.56 Best double couple: NP1:ϕ_s113.00000° ,δ77.00000°,λ89.00000°. NP2:ϕ_s298.00000°,δ13.00000°,λ94.00000°. Principal axes: T 7.4600,Plg57.0000°,Azm21.0000°; N -0.3100,Plg0.0000°,Azm113.0000° ; P -7.1500,Plg31.0000°,Azm204.0000° $M_0$7.30000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=136.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c348; s137,c567; Duration: 4s0 Moment tensor: Scale 10^{18}Nm; M_{rr}3.30±.02 $M_{\theta\theta}$-3.04±.01; $M_{\phi\phi}$-0.25±.02; $M_{r\theta}$3.66±.04; $M_{\theta\phi}$1.24±.01; $M_{\phi r}$-2.21±.05; Best double couple: NP1:ϕ_s119.00000°,δ71.00000° ,λ96.00000°. NP2:ϕ_s282.00000°,δ20.00000°,λ74.00000°. Principal axes: T 5.3990,Plg64.0000°,Azm38.0000°; N 0.1470,Plg5.0000°,Azm297.0000° ; P -5.5370,Plg26.0000°,Azm204.0000° $M_0$5.46800×10^{18}
NEIC Event type se. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}3.76 $M_{\theta\theta}$-3.23 $M_{\phi\phi}$-0.53 $M_{r\theta}$3.79 $M_{\theta\phi}$1.20 $M_{\phi r}$-2.43 Best double couple: NP1:ϕ_s283.00000° ,δ21.00000°,λ74.00000°. NP2:ϕ_s120.00000°,δ70.00000°,λ96.00000°. Principal axes: T 5.9200,Plg64.0000°,Azm39.0000°; N -0.1600,Plg6.0000°,Azm298.0000° ; P -5.7600,Plg25.0000°,Azm205.0000° $M_0$5.80000×10^{18}

IDC XI 11 22 24 23.6–7.8 14.06N 92.20W 29–45 4.1,4.0 ¶602389243
IDC Error ellipse: s-maj=66.7km s-min=33.3km az=15.0.
ISC XI 11 22 25 37.1–3.0 14.04N–.06 92.39W–.06 12–18 4.7b 96 1-146 ¶601888237
ISCJB XI 11 22 25 36.6–1.3 13.99N–.05 92.39W–.05 21–9 6.4s,4.7b
MEX XI 11 22 25 37.7–.61 13.90N 92.47W 20–36 3.8,4.7b
IDC XI 11 22 25 39.6–3.8 14.03N 92.11W 35–28 4.5,4.4
NEIC XI 11 22 25 40.2–.52 14.01N 92.25W 35 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.0km az=40.1.
MEX Error ellipse: s-maj=6.7km s-min=8.7km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=15.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=219.0.
ISC XI 11 22 32 45.8–.87 14.1N–.10 92.2W–.10 54 4.1b 31 2-146
NEIC XI 11 22 32 42.5–.76 13.93N 92.03W 35 4.2b **¶602058433**
IDC XI 11 22 32 42.2–5.8 13.95N 92.13W 33–41 4.2,4.1
ISCJB XI 11 22 32 45.4–.81 14.2N–.10 92.20W–.09 54 4.2b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 22 42 14.1–2.0 14.2N–.20 92.46W–.08 10 3.5b 9 2-146
IDC XI 11 22 42 11.9–3.5 14.04N 92.53W 0 3.8,3.6 **¶602389245**
ISC Event type ke.
IDC Error ellipse: s-maj=73.8km s-min=25.8km az=3.0.
ISC XI 11 23 54 37.1–3.7 14.17N–.10 92.49W–.07 8–24 17 1-146
ISCJB XI 11 23 54 35.8–1.8 14.02N–.07 92.57W–.06 21–12 3.6b **¶602389252**
MEX XI 11 23 54 36.8–.51 13.92N 92.57W 20–19 3.8
IDC XI 11 23 54 36.0–2.1 14.16N 92.44W 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.4km az=37.8.
MEX Error ellipse: s-maj=6.4km s-min=8.7km az=-1.0.
IDC Error ellipse: s-maj=47.0km s-min=20.5km az=20.0.
ISC XI 12 00 10 09.8–1.5 14.59N–.09 92.29W–.07 10 13 0-145
MEX XI 12 00 10 08.8–.32 14.09N 92.23W 30–11 3.8 **¶602389257**
IDC XI 12 00 10 09.3–3.2 14.61N 92.39W 0 3.9,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=4.4km s-min=11.1km az=-1.0.
IDC Error ellipse: s-maj=66.3km s-min=15.5km az=6.0.
ISC XI 12 00 58 14.4–1.5 14.01N–.10 92.47W–.08 10 3.6b 15 1-63
IDC XI 12 00 58 09.2–1.5 13.58N 92.36W 0 3.9,3.6 **¶602389259**
MEX XI 12 00 58 17.2–.40 13.96N 92.53W 16–106 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=19.3km az=172.0.
MEX Error ellipse: s-maj=90.0km s-min=7.3km az=-1.0.
ISC XI 12 01 47 03.2–1.4 14.3N–.10 92.82W–.08 37 3.7b 17 1-145
IDC XI 12 01 46 55.0–3.6 13.89N 92.74W 0 4.0,3.7 **¶602389264**
MEX XI 12 01 47 02.5–.39 14.26N 92.94W 16–50 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=72.2km s-min=19.4km az=171.0.
MEX Error ellipse: s-maj=42.9km s-min=14.6km az=-1.0.
ISC XI 12 03 31 15.2–.53 14.01N–.06 92.52W–.06 46 4.7b,4.1s 370 1-146
IDC XI 12 03 31 08.0–.75 13.85N 92.53W 0 4.5,4.3 **¶601884094**
MEX XI 12 03 31 08.8–.42 13.69N 92.69W 5 4.7,4.3
ISCJB XI 12 03 31 14.2–.28 14.11N–.03 92.25W–.03 46 4.6b,4.1s
NEIC XI 12 03 31 14.6–.37 14.05N 92.28W 35 4.7,4.7b
GCMT XI 12 03 31 23.6–.90 14.21N–.05 92.50W–.04 22–1 5.0W,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c19; s68,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.56±.29 $M_{\theta\theta}$-2.47±.20; $M_{\phi\phi}$-0.08±.18; $M_{r\theta}$1.53±.29; $M_{\theta\phi}$1.89±.11; $M_{\phi r}$0.46±.26; Best double couple: NP1:ϕ_s96.00000°,δ60.00000°,λ61.00000°. NP2:ϕ_s324.00000°,δ41.00000°,λ130.00000°. Principal axes: T 3.2980,Plg63.0000° ,Azm318.0000°; N 0.4240,Plg25.0000°,Azm111.0000°; P -3.7210,Plg11.0000° ,Azm206.0000° $M_0$3.51000×10^{16}
ISC XI 12 03 46 20.3–1.1 14.10N–.10 92.32W–.09 37 3.9b 15 1-146
IDC XI 12 03 46 13.5–1.5 13.75N 92.56W 0 3.9,3.8b **¶602389269**
ISCJB XI 12 03 46 17.3–.87 14.02N–.07 92.26W–.08 37 3.7b,2.8s
MEX XI 12 03 46 21.0–.40 14.28N 92.99W 16–62 3.8,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=15.2km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=6.3km az=138.4.
MEX Error ellipse: s-maj=53.8km s-min=22.3km az=-1.0.
MEX XI 12 04 25 19.0–.34 14.18N 92.97W 28–17 3.6 ¶603826662
MEX Error ellipse: s-maj=4.6km s-min=6.2km az=-1.0.
ISC XI 12 04 35 04.3–.78 14.10N–.06 92.51W–.06 10 4.1b,3.2s 48 1-146
IDC XI 12 04 35 00.6–1.1 13.88N 92.38W 0 4.0,3.9L **¶601888241**
ISCJB XI 12 04 35 02.4–.55 14.04N–.05 92.47W–.04 10 4.0b,3.2s
MEX XI 12 04 35 06.6–.54 14.08N 92.53W 16–109 4.0,3.2s
NEIC XI 12 04 35 07.1–.77 14.03N 92.42W 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=15.3km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=34.0.
MEX Error ellipse: s-maj=94.3km s-min=7.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.7km az=35.0.
ISC XI 12 05 03 08.0–.67 14.00N–.07 92.45W–.07 21–5 4.2b 125 1-146
UCR XI 12 05 03 01.4–1.7 14.13N 92.82W 29–944 4.3L,4.3b **¶602059935**
IDC XI 12 05 03 03.3–.75 13.79N 92.34W 0 4.0,3.9
ISCJB XI 12 05 03 05.2–1.3 13.85N–.05 92.40W–.05 23–9 4.1b,3.1s
NEIC XI 12 05 03 06.7–1.7 13.81N 92.39W 21–12 4.3b,3.9
MEX XI 12 05 03 11.0–.55 14.12N 92.56W 17–77 3.9,3.9
ISC Event type se.
UCR Error ellipse: s-maj=82.9km s-min=600.4km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=12.0km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.6km az=40.8.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=216.0.
MEX Error ellipse: s-maj=67.1km s-min=5.5km az=-1.0.
ISC XI 12 06 05 20.2–.47 14.26N–.05 92.32W–.06 35 4.5b 218 1-146
ISCJB XI 12 06 05 20.2–.28 14.38N–.04 92.25W–.03 35 4.5b,3.6s **¶602058441**
NEIC XI 12 06 05 21.9–.36 14.37N 92.16W 35 4.5b,3.6s
UCR XI 12 06 05 22.4–2.0 14.66N 92.13W 88–72 4.4b,4.0L
MEX XI 12 06 05 25.0–.65 14.52N 92.18W 59–7 3.9,4.0L
IDC XI 12 06 05 28.0–2.0 14.51N 91.76W 102–16 4.3,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=2.3km az=33.7.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=211.0. Felt at Quetzaltenango.
UCR Error ellipse: s-maj=69.5km s-min=30.7km az=-1.0.
MEX Error ellipse: s-maj=8.0km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=9.8km az=55.0.
MEX XI 12 08 33 00.4–.29 14.51N 92.75W 7–22 3.8 ¶603826668
MEX Error ellipse: s-maj=19.8km s-min=7.3km az=-1.0.
MEX XI 12 09 20 23.1–.97 14.55N 92.18W 95–10 3.8 ¶603826669
MEX Error ellipse: s-maj=15.6km s-min=16.5km az=-1.0.
MEX XI 12 11 01 38.6–.47 14.19N 92.38W 70–13 3.6 ¶603826670
MEX Error ellipse: s-maj=9.6km s-min=9.1km az=-1.0.
ISC XI 12 12 40 43.3–1.5 14.01N–.07 92.43W–.06 12–8 4.4b,3.4s 80 1-146
IDC XI 12 12 40 40.2–1.2 13.72N 92.54W 0 4.2,3.9 **¶602063179**
NEIC XI 12 12 40 47.1–.71 13.91N 92.47W 35 4.3b,3.9
MEX XI 12 12 40 50.3–.35 14.23N 92.66W 28–13 3.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=17.9km az=38.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.5km az=175.0.
MEX Error ellipse: s-maj=4.5km s-min=4.5km az=-1.0.
MEX XI 12 12 53 26.7–.69 14.34N 92.21W 107–10 3.9 ¶603826672
MEX Error ellipse: s-maj=12.6km s-min=12.7km az=-1.0.

ISC XI 12 15 34 28.1–2.2 14.28N–.09 92.62W–.05 12–12 4.0b 29 1-146
IDC XI 12 15 34 22.2–3.0 13.64N 92.65W 0 4.2,4.2s **¶602058440**
NEIC XI 12 15 34 27.8–1.2 13.83N 92.49W 35 4.2b,3.9
MEX XI 12 15 34 34.3–.37 14.40N 92.70W 16–35 3.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=60.2km s-min=27.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.6km az=190.0.
MEX Error ellipse: s-maj=32.9km s-min=7.2km az=-1.0.
ISC XI 12 16 21 05.9–2.8 14.0N–.10 92.48W–.07 16–13 3.3b 16 1-63
IDC XI 12 16 21 04.2–2.9 14.15N 92.46W 0 3.8,3.5 **¶602389295**
MEX XI 12 16 21 06.4–.34 13.88N 92.41W 32–6 3.9,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=51.0km s-min=20.2km az=20.0.
MEX Error ellipse: s-maj=4.3km s-min=6.3km az=-1.0.
ISC XI 12 16 56 16.7–3.8 14.1N–.10 92.44W–.07 25–23 16 1-146
IDC XI 12 16 56 11.9–3.4 13.98N 92.41W 0 3.7,3.4L **¶602389297**
MEX XI 12 16 56 15.7–.37 13.96N 92.37W 25–14 3.8,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=68.6km s-min=25.5km az=1.0.
MEX Error ellipse: s-maj=5.0km s-min=10.5km az=-1.0.
MEX XI 12 22 04 05.8–.40 14.58N 92.33W 80–6 3.6 ¶603826678
MEX Error ellipse: s-maj=6.7km s-min=5.7km az=-1.0.
ISC XI 13 00 42 56.1–1.2 14.2N–.20 92.59W–.08 46 3.6b 10 2-146
IDC XI 13 00 42 49.9–1.3 14.21N 92.61W 0 3.9,3.7b **¶602389315**
ISCJB XI 13 00 42 54.7–1.1 14.2N–.10 92.66W–.07 46 3.7b,3.7b
ISC Event type ke.
ISCJB Event type ke.
MEX XI 13 12 17 38.6–.58 14.49N 92.87W 16–42 3.8 ¶603826681
MEX Error ellipse: s-maj=38.1km s-min=13.4km az=-1.0.
ISC XI 13 15 37 35.3–2.0 14.02N–.06 92.45W–.06 14–12 3.9b 50 1-146
UCR XI 13 15 37 31.3–1.0 14.10N 92.83W 35–999 4.2b,3.9L **¶602058460**
ISCJB XI 13 15 37 32.7–1.4 13.90N–.05 92.59W–.04 13–10 3.9b,3.2s
IDC XI 13 15 37 32.3–1.3 13.87N 92.52W 0 4.0,3.9
MEX XI 13 15 37 37.6–.48 13.97N 92.48W 16–999 3.8,3.9
NEIC XI 13 15 37 37.4–.66 13.93N 92.55W 35 4.2b,3.9
ISC Event type se.
UCR Error ellipse: s-maj=33.8km s-min=13.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.3km az=38.0.
IDC Error ellipse: s-maj=33.9km s-min=18.9km az=42.0.
MEX Error ellipse: s-maj=9.4km s-min=9.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.0km az=219.0.
MEX XI 13 19 21 19.4–.40 14.17N 92.64W 16–80 3.8 ¶603826684
MEX Error ellipse: s-maj=69.4km s-min=7.1km az=-1.0.
MEX XI 13 19 59 30.4–.59 14.02N 92.45W 111–15 3.7 ¶603826686
MEX Error ellipse: s-maj=13.3km s-min=17.2km az=-1.0.
ISC XI 13 22 59 48.2–1.2 14.1N–.10 92.16W–.09 46 3.7b 18 1-146
IDC XI 13 22 59 41.5–1.7 13.87N 92.23W 0 4.0,3.8 **¶602389360**
ISCJB XI 13 22 59 45.9–.95 13.99N–.07 92.16W–.08 46 3.8b,3.6s
MEX XI 13 22 59 46.9–.31 13.93N 92.34W 14–70 3.8,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=16.2km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=7.5km az=142.2.
MEX Error ellipse: s-maj=59.2km s-min=9.4km az=-1.0.
MEX XI 14 01 44 46.2–.28 14.18N 92.73W 20–24 3.8 ¶603826690
MEX Error ellipse: s-maj=4.2km s-min=5.8km az=-1.0.
MEX XI 14 02 07 21.8–.51 14.54N 92.64W 65–10 3.6 ¶603826691
MEX Error ellipse: s-maj=7.6km s-min=6.6km az=-1.0.
ISC XI 14 03 59 31.4–1.6 14.2N–.10 92.39W–.08 46 3.7b 15 1-62
IDC XI 14 03 59 23.6–4.5 13.99N 92.34W 0 4.1,3.7L **¶602389367**
MEX XI 14 03 59 27.2–.37 13.93N 92.39W 36–22 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=80.9km s-min=16.0km az=170.0.
MEX Error ellipse: s-maj=4.3km s-min=8.1km az=-1.0.
MEX XI 14 08 08 17.1–.49 15.00N 92.22W 89–5 3.7 ¶603826694
MEX Error ellipse: s-maj=4.1km s-min=5.3km az=-1.0.
MEX XI 14 08 50 07.2–.27 14.18N 92.38W 79–8 3.6 ¶603826696
MEX Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0.
MEX XI 14 08 52 26.8–.33 14.13N 93.08W 34–15 3.9 ¶603826697
MEX Error ellipse: s-maj=5.3km s-min=4.0km az=-1.0.
ISC XI 14 11 36 35.1–2.5 14.09N–.10 92.45W–.07 13–13 3.7b 18 1-146
IDC XI 14 11 36 31.9–3.2 13.91N 92.38W 0 4.0,3.7 **¶602389386**
MEX XI 14 11 36 35.0–.46 13.91N 92.44W 16–178 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=64.2km s-min=25.8km az=0.0.
MEX Error ellipse: s-maj=148.9km s-min=15.5km az=-1.0.
ISC XI 14 12 52 40.1–4.0 14.1N–.10 92.31W–.06 16–26 16 1-146
IDC XI 14 12 52 34.6–2.8 13.62N 92.24W 0 3.8,3.6 **¶602389388**
MEX XI 14 12 52 41.1–.55 14.00N 92.37W 10 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=26.5km az=0.0.
MEX Error ellipse: s-maj=7.8km s-min=11.0km az=-1.0.
ISC XI 14 20 03 12.9–1.3 15.04N–.09 93.77W–.06 33 17 1-144
IDC XI 14 20 03 04.6–2.4 14.43N 94.29W 0 4.3,4.3s **¶602059954**
NEIC XI 14 20 03 09.1–1.6 14.81N 93.97W 10 4.1,4.3s
ISCJB XI 14 20 03 13.7–1.4 14.92N–.08 93.66W–.08 33 4.3b,4.2s
MEX XI 14 20 03 15.2–.45 14.78N 93.45W 16–999 4.1,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=57.9km s-min=24.6km az=41.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=13.4km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=9.3km az=40.8.
MEX Error ellipse: s-maj=5.3km s-min=5.0km az=-1.0.
MEX XI 14 21 41 17.5–.38 14.25N 92.48W 77–14 3.9 ¶603826705
MEX Error ellipse: s-maj=8.2km s-min=7.6km az=-1.0.
ISC XI 15 02 33 53.5–1.6 14.09N–.10 92.47W–.08 10 3.8b 14 1-63
MEX XI 15 02 33 55.5–.59 14.00N 92.44W 16–999 4.0 **¶602389426**
IDC XI 15 02 34 00.9–1.9 15.75N 91.94W 0 3.9,3.7b
ISC Event type ke.
MEX Error ellipse: s-maj=9.7km s-min=10.4km az=-1.0.
IDC Error ellipse: s-maj=79.0km s-min=16.5km az=36.0.
MEX XI 15 05 53 05.9–.45 14.87N 93.65W 15 3.8 ¶603826709
MEX Error ellipse: s-maj=4.5km s-min=4.7km az=-1.0.
ISC XI 15 06 42 37.6–.68 14.10N–.05 92.38W–.05 41–6 4.9b,4.6s 550 1-147
NEIC XI 15 06 42 34.8–.00 13.84N 92.73W 12 5.0,5.0b **¶601901501**
MEX XI 15 06 42 34.7–.74 13.86N 92.71W 9–134 5.0,5.0b
GCMT XI 15 06 42 36.8–.30 13.97N–.02 92.96W–.02 20–1 5.1W,5.0b
IDC XI 15 06 42 37.1–2.7 14.19N 92.19W 33–19 4.6,4.6
BJI XI 15 06 42 38.1 14.10N 92.30W 30 5.5b,5.3s
UCR XI 15 06 42 38.4–1.2 14.06N 92.33W 81–97 5.0b,4.3L
ISCJB XI 15 06 42 39.3–.40 14.25N–.03 92.21W–.03 63–3 4.9b,4.3L
ISC Event type fe.
NEIC Event type fe. Felt at Urbina. After MEX.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c68; s80,c120;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.19 $M_{\theta\theta}$-1.11±.12; $M_{\phi\phi}$-2.25±.12; $M_{r\theta}$1.61±.27; $M_{\theta\phi}$2.39±.09; $M_{\phi r}$-3.88±.33; Best double couple: NP1:ϕ_s154.00000°,δ70.00000°,λ101.00000°. NP2:ϕ_s305.00000°,δ23.00000°,λ63.00000°. Principal axes: T 5.3640,Plg64.0000° ,Azm82.0000°; N 0.5690,Plg10.0000°,Azm331.0000°; P -5.9330,Plg24.0000°,Azm236.0000° $M_0$5.64900×10^{16}
ISCJB Event type fe.
MEX XI 15 08 11 55.1–.44 14.18N 92.05W 10 3.8

¶603826712
MEX Error ellipse: s-maj=5.1km s-min=6.9km az=-1.0.
ISC XI 15 08 15 40.5–2.6 14.2N–.10 92.60W–.06 13–13 3.5b 17 1-62
IDC XI 15 08 15 37.2–4.1 13.98N 92.62W 0 3.8,3.6 ¶602389438
MEX XI 15 08 15 39.0–.53 13.93N 92.74W 16–121 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=75.6km s-min=24.8km az=7.0.
MEX Error ellipse: s-maj=104.4km s-min=12.5km az=-1.0.
MEX XI 15 09 12 10.3–.43 14.29N 92.77W 17–48 3.9
¶603826714
MEX Error ellipse: s-maj=43.7km s-min=9.9km az=-1.0.
ISC XI 15 10 30 49.8–2.4 14.18N–.09 92.50W–.07 17–12 3.6b 17 1-62
IDC XI 15 10 30 47.0–1.9 14.10N 92.56W 0 3.7,3.5 ¶602389445
ISCJB XI 15 10 30 49.3–1.7 14.13N–.07 92.47W–.09 32–11 3.6b,3.5
MEX XI 15 10 30 52.4–.46 14.20N 92.54W 10 3.9,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=14.2km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=9.1km az=146.3.
MEX Error ellipse: s-maj=4.9km s-min=5.0km az=-1.0.
ISC XI 15 10 40 25.9–.55 15.21N–.06 93.23W–.06 79–4 4.2b 157 0-144
ISCJB XI 15 10 40 25.6–.47 15.23N–.04 93.25W–.04 78–4 4.2b ¶601906481
MEX XI 15 10 40 26.3–.41 15.15N 93.27W 74–4 3.9
UCR XI 15 10 40 26.5–1.7 15.86N 92.88W 20–999 4.2b,4.0L
NEIC XI 15 10 40 26.2–.00 15.13N 93.30W 71 4.2b,3.9
IDC XI 15 10 40 26.1–.85 15.06N 93.33W 83–6 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.0km az=43.0.
MEX Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Felt at Mapastepec. After MEX.
IDC Error ellipse: s-maj=19.3km s-min=6.9km az=35.0.
ISC XI 15 10 50 05.5–2.8 14.02N–.09 92.3W–.10 8–18 3.6b 21 1-146
IDC XI 15 10 50 02.7–1.8 13.71N 92.47W 0 3.9,3.9 ¶602389447
MEX XI 15 10 50 11.5–.65 14.00N 92.58W 19–29 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=16.0km az=175.0.
MEX Error ellipse: s-maj=6.4km s-min=7.8km az=-1.0.
ISC XI 15 14 42 55.1–2.4 14.2N–.30 92.51W–.09 46 8 2-146
IDC XI 15 14 42 49.5–3.3 14.25N 92.49W 0 3.7,3.5 ¶602389464
ISC Event type ke.
IDC Error ellipse: s-maj=66.3km s-min=23.3km az=11.0.
ISC XI 15 17 11 16.3–.46 14.04N–.05 92.08W–.06 10 4.7b,4.0s 441 1-146
IDC XI 15 17 11 14.7–.61 14.02N 91.99W 0 4.4,4.3 ¶601903802
ISCJB XI 15 17 11 15.3–.22 14.07N–.03 92.05W–.03 10 4.6b,4.0s
NEIC XI 15 17 11 19.7–.37 13.89N 92.12W 35 4.7b,4.0s
GCMT XI 15 17 11 20.7–.50 13.78N–.03 92.42W–.05 17–1 4.8W,4.0s
MEX XI 15 17 11 25.7–.62 14.28N 92.50W 15–65 3.8,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=42.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=200.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c25; s64,c80;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.92±.17 $M_{\theta\theta}$-1.38±.10; $M_{\phi\phi}$-0.54±.10; $M_{r\theta}$1.38±.31; $M_{\theta\phi}$0.65±.07; $M_{\theta r}$0.75±.34; Best double couple: NP1:ϕ_s90.00000°,δ64.00000°,λ67.00000°. NP2:ϕ_s314.00000°,δ34.00000°,λ129.00000°. Principal axes: T 2.6900,Plg64.0000° ,Azm321.0000°; N -0.7140,Plg21.0000°,Azm100.0000°; P -1.9800,Plg16.0000° ,Azm196.0000° $M_0$2.33500×10^{16}
MEX Error ellipse: s-maj=56.9km s-min=5.3km az=-1.0.
ISC XI 16 04 36 10.9–2.4 14.16N–.09 92.54W–.07 22–16 24 1-146
ISCJB XI 16 04 36 10.8–1.3 14.14N–.08 92.46W–.08 39–14 3.1s ¶602054314
NEIC XI 16 04 36 11.8–.00 14.12N 92.58W 12 4.0
MEX XI 16 04 36 12.0–.43 14.12N 92.59W 15 3.7
IDC XI 16 04 36 12.5–2.8 14.01N 92.53W 41–22 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=7.2km az=44.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.3km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=9.8km az=18.0.
MEX XI 16 08 19 38.4–.45 14.23N 92.12W 25–15 3.8
IDC XI 16 08 19 35.4–3.7 14.19N 92.53W 0 3.8,3.6 ¶602389496
MEX Error ellipse: s-maj=4.6km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=186.2km s-min=34.0km az=49.0.
MEX XI 16 18 30 39.6–.57 14.10N 92.38W 40–34 3.7
¶603826750
MEX Error ellipse: s-maj=9.2km s-min=9.3km az=-1.0.
ISC XI 16 19 42 38.5–4.0 14.1N–.10 92.50W–.07 12–25 3.6b 17 1-146
IDC XI 16 19 42 35.4–2.9 13.87N 92.50W 0 4.0,3.6 ¶602389527
MEX XI 16 19 42 37.3–.66 13.85N 92.55W 10–149 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=56.5km s-min=25.4km az=5.0.
MEX Error ellipse: s-maj=127.3km s-min=8.1km az=-1.0.
MEX XI 17 02 19 53.5–.57 14.08N 92.57W 10–90 3.9
¶603826753
MEX Error ellipse: s-maj=78.4km s-min=9.1km az=-1.0.
ISC XI 17 03 45 57.2–1.5 14.1N–.10 92.66W–.07 10 3.5b 15 1-135
MEX XI 17 03 45 59.1–.57 14.05N 92.61W 10 4.0 ¶602389542
IDC XI 17 03 46 05.0–1.7 15.81N 91.94W 0 3.8,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=4.6km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=64.9km s-min=20.5km az=33.0.
ISC XI 17 04 31 53.0–1.1 14.13N–.10 92.42W–.08 46 3.6b 17 1-146
MEX XI 17 04 31 44.9–.81 13.63N 92.38W 18–185 4.0 ¶602389545
IDC XI 17 04 31 50.9–5.2 14.43N 92.30W 20–29 3.9,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=155.9km s-min=22.7km az=-1.0.
IDC Error ellipse: s-maj=46.9km s-min=15.3km az=27.0.
MEX XI 17 09 20 35.5–.59 14.47N 92.49W 50–12 3.7
¶603826755
MEX Error ellipse: s-maj=8.0km s-min=6.2km az=-1.0.
MEX XI 18 10 54 06.4–.83 15.09N 93.50W 59–17 3.6
¶603826768
MEX Error ellipse: s-maj=8.3km s-min=7.6km az=-1.0.
MEX XI 18 12 46 45.1–.65 14.19N 92.59W 96–15 4.1
NEIC XI 18 12 46 44.9–.00 14.19N 92.63W 96 4.1 ¶602042652
MEX Error ellipse: s-maj=9.0km s-min=10.7km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 18 23 55 19.2–1.5 14.0N–.10 92.61W–.09 46 3.5b 15 2-146
IDC XI 18 23 55 11.6–3.4 13.84N 92.65W 0 3.8,3.6b ¶602389634
MEX XI 18 23 55 16.5–.47 13.90N 92.63W 12–98 4.1,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=73.2km s-min=32.2km az=11.0.
MEX Error ellipse: s-maj=83.3km s-min=6.9km az=-1.0.
MEX XI 19 00 39 07.1–.56 14.05N 92.55W 10 3.8
¶603826769
MEX Error ellipse: s-maj=6.2km s-min=6.2km az=-1.0.
ISC XI 19 20 04 06.6–2.3 14.01N–.08 92.02W–.06 10–14 4.0b,3.2s 46 1-146
IDC XI 19 20 04 04.0–1.1 13.72N 92.08W 0 4.1,3.9 ¶602210392
ISCJB XI 19 20 04 06.6–1.4 13.89N–.07 92.07W–.04 20–10 4.0b,3.2s
NEIC XI 19 20 04 07.6–6.0 13.78N 92.13W 20–38 4.2b,4.1
UCR XI 19 20 04 08.8–1.3 14.14N 91.93W 16–999 4.2b,3.7L
MEX XI 19 20 04 10.3–.40 13.92N 92.44W 16–108 4.1,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=14.5km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.5km az=27.8.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=10.1km az=210.0.
UCR Error ellipse: s-maj=54.1km s-min=999.9km az=-1.0.
MEX Error ellipse: s-maj=92.0km s-min=9.8km az=-1.0.
MEX XI 19 20 34 24.0–.54 14.93N 93.78W 80–29 4.0
¶603826777
MEX Error ellipse: s-maj=16.7km s-min=10.1km az=-1.0.

ISC XI 20 06 19 44.1–1.5 14.2N–.10 92.47W–.07 46 14 1-51
IDC XI 20 06 19 38.0–2.8 14.09N 92.48W 0 3.9,3.6b ¶602389725
ISCJB XI 20 06 19 40.8–1.1 14.08N–.07 92.49W–.07 46 3.5b,3.6b
MEX XI 20 06 19 41.1–.49 14.05N 92.50W 72–23 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=21.4km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=8.2km az=37.9.
MEX Error ellipse: s-maj=12.2km s-min=11.2km az=-1.0.
MEX XI 21 03 41 07.6–.38 14.10N 92.43W 27–20 3.8
¶603826783
MEX Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
ISC XI 21 05 13 24.3–2.2 14.17N–.08 92.81W–.06 16–12 35 1-146
IDC XI 21 05 13 20.5–1.6 13.93N 92.74W 0 3.8,3.7 ¶602210403
MEX XI 21 05 13 23.7–.65 14.10N 92.68W 100–15 4.2,3.7
ISCJB XI 21 05 13 24.9–1.5 14.12N–.08 92.84W–.06 33–13 3.6s,3.1b
NEIC XI 21 05 13 24.4–.00 14.16N 92.67W 106 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=18.2km az=33.0.
MEX Error ellipse: s-maj=9.4km s-min=11.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=8.1km az=30.2.
NEIC Event type se. After MEX.
MEX XI 21 06 42 35.8–.52 14.27N 92.84W 104–11 4.1
¶603826784
MEX Error ellipse: s-maj=7.5km s-min=7.8km az=-1.0.
MEX XI 22 07 35 35.4–.46 14.31N 93.22W 16–52 4.0
¶603826792
MEX Error ellipse: s-maj=41.6km s-min=23.5km az=-1.0.
ISC XI 22 10 39 53.9–1.6 14.1N–.10 92.36W–.07 46 3.6b 15 1-63
IDC XI 22 10 39 46.2–2.5 13.85N 92.33W 0 4.0,3.7 ¶602210407
MEX XI 22 10 39 47.9–.37 13.75N 92.31W 70–17 4.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=22.5km az=13.0.
MEX Error ellipse: s-maj=6.7km s-min=6.6km az=-1.0.
MEX XI 23 18 40 04.8–.48 14.37N 92.73W 59–27 4.0
¶603826808
MEX Error ellipse: s-maj=11.0km s-min=8.8km az=-1.0.
MEX XI 24 05 40 51.4–.40 14.45N 92.56W 54–13 3.7
¶603826813
MEX Error ellipse: s-maj=7.8km s-min=8.0km az=-1.0.
ISC XI 25 01 41 25.4–1.9 14.8N–.10 93.26W–.08 10 3.5b 8 1-62
IDC XI 25 01 41 17.9–8.1 14.78N 92.27W 0 3.8,3.6 ¶602389950
ISCJB XI 25 01 41 23.5–1.5 14.70N–.09 93.34W–.07 10 3.4b,3.6
MEX XI 25 01 41 28.8–.34 14.80N 93.23W 6–14 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=233.4km s-min=112.5km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=9.0km az=14.7.
MEX Error ellipse: s-maj=12.0km s-min=10.5km az=-1.0.
MEX XI 25 09 41 15.5–.65 14.74N 92.21W 97–5 3.8
¶603826826
MEX Error ellipse: s-maj=7.1km s-min=8.8km az=-1.0.
MEX XI 25 13 55 01.8–.42 14.07N 92.47W 75–20 3.8
¶603826829
MEX Error ellipse: s-maj=11.4km s-min=11.2km az=-1.0.
MEX XI 26 04 34 14.5–.44 15.06N 93.07W 86–9 3.6
¶603826844
MEX Error ellipse: s-maj=9.1km s-min=6.4km az=-1.0.
ISC XI 26 12 14 34.5–1.3 14.2N–.10 92.45W–.07 46 3.8b 15 1-146
ISCJB XI 26 12 14 32.6–1.3 14.14N–.09 92.51W–.07 46 3.9b,3.2s ¶602390025
MEX XI 26 12 14 32.9–.34 14.07N 92.41W 56–14 3.7,3.2s
IDC XI 26 12 14 33.7–6.4 13.89N 92.38W 55–50 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=9.1km az=3.9.
MEX Error ellipse: s-maj=6.9km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=59.5km s-min=32.7km az=6.0.
MEX XI 26 13 08 56.6–.84 14.09N 92.23W 91–29 3.6
¶603826848
MEX Error ellipse: s-maj=22.3km s-min=18.7km az=-1.0.
MEX XI 26 14 26 09.5–.76 14.41N 93.65W 16–999 3.7
¶603826849
MEX Error ellipse: s-maj=26.9km s-min=18.9km az=-1.0.
MEX XI 26 17 17 57.7–.51 14.04N 92.33W 81–15 3.8
¶603826852
MEX Error ellipse: s-maj=9.5km s-min=10.1km az=-1.0.
ISC XI 26 19 54 28.8–1.5 14.2N–.10 92.46W–.08 46 3.5b 14 1-146
IDC XI 26 19 54 22.3–3.0 14.07N 92.45W 0 3.9,3.6L ¶602390005
MEX XI 26 19 54 27.3–.43 14.08N 92.35W 63–22 3.9,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=59.9km s-min=16.9km az=172.0.
MEX Error ellipse: s-maj=12.0km s-min=10.9km az=-1.0.
ISC XI 27 05 34 27.7–1.8 14.2N–.10 92.58W–.08 46 16 1-51
IDC XI 27 05 34 22.4–4.9 14.20N 92.61W 0 3.9,3.8b ¶602216521
MEX XI 27 05 34 24.8–.52 13.96N 92.61W 17–122 4.0,3.8b
NEIC XI 27 05 34 25.9–.00 14.02N 92.56W 18 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=86.0km s-min=17.2km az=179.0.
MEX Error ellipse: s-maj=105.1km s-min=7.2km az=-1.0.
NEIC Event type se. After MEX.
ISC XI 28 01 24 18.4–1.9 14.1N–.10 92.65W–.09 46 11 1-63
MEX XI 28 01 24 12.5–.43 13.70N 92.68W 67–34 3.9 ¶602390084
IDC XI 28 01 24 15.4–3.1 14.41N 92.59W 0 3.6,3.5b
ISC Event type ke.
MEX Error ellipse: s-maj=10.1km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=49.5km s-min=15.4km az=10.0.
ISC XI 28 07 12 54.9–2.1 14.31N–.07 93.18W–.06 4–12 4.0b 24 1-145
IDC XI 28 07 12 53.2–1.9 14.00N 93.30W 0 4.0,3.9b ¶602320129
MEX XI 28 07 12 59.6–.54 14.20N 93.23W 16–95 4.0,3.9b
NEIC XI 28 07 12 59.1–.00 14.10N 93.16W 14 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=59.7km s-min=16.6km az=34.0.
MEX Error ellipse: s-maj=78.5km s-min=39.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 28 17 49 16.1–.70 14.15N 92.19W 137–21 3.6
¶603826874
MEX Error ellipse: s-maj=32.0km s-min=24.4km az=-1.0.
MEX XI 29 04 11 21.7–.77 14.17N 92.07W 15–38 3.7
¶603826878
MEX Error ellipse: s-maj=30.5km s-min=19.6km az=-1.0.
MEX XI 29 05 09 18.5–.56 14.26N 92.51W 33–31 3.8
¶603826879
MEX Error ellipse: s-maj=6.4km s-min=19.7km az=-1.0.
MEX XI 29 06 13 27.1–.52 14.47N 92.07W 87–7 3.6
¶603826880
MEX Error ellipse: s-maj=10.7km s-min=12.4km az=-1.0.
ISC XI 30 01 50 22.2–1.3 14.1N–.10 92.04W–.07 35 3.8b,2.8s 19 1-146
MEX XI 30 01 50 23.8–.63 14.10N 91.96W 16–196 4.1,2.8s ¶602390212
IDC XI 30 01 50 24.7–4.7 14.21N 92.01W 57–29 3.8,3.7
ISC Event type ke.
MEX Error ellipse: s-maj=153.4km s-min=60.9km az=-1.0.
IDC Error ellipse: s-maj=50.3km s-min=9.7km az=10.0.
MEX XI 30 11 10 52.8–1.2 14.52N 93.23W 69–108 3.9
¶603826894
MEX Error ellipse: s-maj=23.4km s-min=46.0km az=-1.0.
MEX XI 30 15 05 15.2–.37 14.97N 93.41W 57–18 3.6
¶603826898
MEX Error ellipse: s-maj=8.7km s-min=5.6km az=-1.0.
MEX XI 30 23 15 25.1–.29 14.80N 93.10W 40–24 3.6
¶603826903
MEX Error ellipse: s-maj=5.7km s-min=3.9km az=-1.0.
MEX XII 01 03 00 42.1–.69 14.33N 93.22W 15 3.9
¶603931918
MEX Error ellipse: s-maj=9.6km s-min=6.4km az=-1.0.

MEX XII 01 23 47 28.4–.46 15.68N 93.98W 64–8 4.1
NEIC XII 01 23 47 28.4–.00 15.68N 93.98W 64 4.1 ¶602323560
MEX Error ellipse: s-maj=3.1km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 02 13 45 15.1–1.7 14.1N–.10 92.33W–.09 46 13 1-146
IDC XII 02 13 45 08.3–2.1 13.96N 92.38W 0 3.9,3.6 ¶602390353
MEX XII 02 13 45 14.7–.41 14.03N 92.38W 10 4.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=16.6km az=178.0.
MEX Error ellipse: s-maj=6.7km s-min=13.7km az=-1.0.
ISC XII 02 19 27 37.0–1.6 14.0N–.20 92.35W–.08 46 3.5b 14 2-146
IDC XII 02 19 27 30.8–2.4 13.99N 92.37W 0 3.8,3.6L ¶602390369
MEX XII 02 19 27 35.6–.60 13.94N 92.24W 20–27 3.9,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=25.0km az=8.0.
MEX Error ellipse: s-maj=5.4km s-min=8.9km az=-1.0.
MEX XII 03 01 11 50.9–.41 14.01N 93.46W 16–999 3.8
¶603931928
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX XII 03 14 22 31.0–.46 14.42N 92.65W 41–95 3.5
¶603931933
MEX Error ellipse: s-maj=22.9km s-min=19.7km az=-1.0.
MEX XII 03 15 55 25.0–.41 14.88N 93.26W 44–103 3.8
¶603931934
MEX Error ellipse: s-maj=31.7km s-min=16.0km az=-1.0.
MEX XII 03 18 52 13.7–.45 14.86N 93.52W 16–999 3.9
¶603931938
MEX Error ellipse: s-maj=869.3km s-min=999.9km az=-1.0.
MEX XII 03 21 40 37.1–.32 14.21N 92.08W 55–52 3.8
¶603931942
MEX Error ellipse: s-maj=24.1km s-min=17.7km az=-1.0.
ISC XII 03 23 58 36.2–.27 14.22N–.04 92.49W–.04 46 5.2b,5.1s 1134 1-160
SNET XII 03 23 58 29.0–.00 14.03N 92.66W 15 5.2b,5.1s ¶601996015
UCR XII 03 23 58 30.5–2.1 13.97N 92.73W 9–34 5.5b,4.7L
GCMT XII 03 23 58 33.4–.20 13.94N–.01 93.01W–.01 20–1 5.3W,4.7L
ISCJB XII 03 23 58 34.7–.13 14.22N–.02 92.36W–.01 46 5.2b,5.0s
MOS XII 03 23 58 34.4–.87 14.24N 92.34W 39 5.2b,5.1s
NEIC XII 03 23 58 35.4–.14 14.16N 92.37W 35 5.6,5.4
BJI XII 03 23 58 35.5 14.20N 92.30W 45 5.6s,5.5b
IDC XII 03 23 58 38.5–2.1 14.23N 92.27W 65–18 4.9s,4.9
MEX XII 03 23 58 38.0–.80 14.34N 92.75W 16–21 5.4,4.9
ISC Event type fe.
SNET Event type se.
UCR Error ellipse: s-maj=11.7km s-min=29.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c146; s103,c202;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$0.02±.02; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$0.84±.01; $M_{\phi r}$-1.02±.07; Best double couple: NP1:ϕ_s174.00000°,δ82.00000°,λ125.00000°. NP2:ϕ_s275.00000°,δ36.00000°,λ14.00000°. Principal axes: T 1.1660,Plg42.0000° ,Azm117.0000°; N 0.3580,Plg34.0000°,Azm349.0000°; P -1.5240,Plg29.0000° ,Azm237.0000° $M_0$1.34500×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=38.4.
MOS Error ellipse: s-maj=9.6km s-min=4.3km az=111.7.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=218.0. Felt at Guatemala, Quetzaltenango, San Jose Chiquilaja and San Pedro Sacatepequez. Felt [I] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=18.2km s-min=8.1km az=54.0.
MEX Error ellipse: s-maj=17.8km s-min=4.0km az=-1.0.
ISC XII 05 08 52 56.9–1.4 14.6N–.20 92.1W–.10 67 3.6b 15 0-145
IDC XII 05 08 52 47.6–1.9 14.25N 92.24W 0 3.9,3.6 ¶602390489
ISCJB XII 05 08 52 54.8–1.4 14.5N–.10 92.1W–.10 67 3.4b,3.6
MEX XII 05 08 52 57.2–.80 14.46N 92.23W 54–18 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=13.6km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=24.6km s-min=10.6km az=34.8.
MEX Error ellipse: s-maj=21.1km s-min=14.4km az=-1.0.
MEX XII 05 15 55 02.5–.62 14.88N 93.09W 63–14 3.9
¶603931965
MEX Error ellipse: s-maj=9.3km s-min=8.1km az=-1.0.
ISC XII 05 23 53 34.8–2.4 14.4N–.20 93.6W–.10 36 4.0b 19 1-62
IDC XII 05 23 53 35.5–2.8 15.11N 93.68W 0 3.9,3.7b ¶602323567
MEX XII 05 23 53 37.3–.61 14.48N 93.63W 20 4.1,3.7b
NEIC XII 05 23 53 37.3–.00 14.48N 93.63W 20 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=68.9km s-min=20.9km az=42.0.
MEX Error ellipse: s-maj=9.3km s-min=11.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 06 05 44 14.8–.45 15.17N 93.08W 87–6 3.7
¶603931971
MEX Error ellipse: s-maj=10.0km s-min=7.8km az=-1.0.
ISC XII 06 11 34 24.5–.95 14.55N–.09 93.63W–.06 36 4.0b,3.2s 44 1-145
IDC XII 06 11 34 17.7–3.1 14.41N 93.83W 0 4.0,3.7 ¶602068742
ISCJB XII 06 11 34 22.3–.59 14.45N–.06 93.70W–.04 36 4.0b,3.3s
MEX XII 06 11 34 22.8–.40 14.40N 93.74W 10 4.0,3.3s
NEIC XII 06 11 34 22.0–.00 14.39N 93.74W 10 4.0,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=74.8km s-min=32.6km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=18.2.
MEX Error ellipse: s-maj=4.3km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 07 05 51 28.8–.36 14.16N 92.59W 28–274 3.6
¶603931984
MEX Error ellipse: s-maj=28.7km s-min=19.1km az=-1.0.
MEX XII 07 18 09 56.4–.34 14.63N 93.41W 16–167 3.9
¶603931991
MEX Error ellipse: s-maj=121.8km s-min=98.5km az=-1.0.
MEX XII 08 01 12 37.0–.72 15.62N 93.72W 85–10 3.8
¶603931995
MEX Error ellipse: s-maj=8.8km s-min=14.3km az=-1.0.
MEX XII 08 05 46 56.1–.54 15.09N 93.78W 34–84 3.6
¶603931997
MEX Error ellipse: s-maj=10.5km s-min=11.0km az=-1.0.
MEX XII 08 05 52 19.1–.34 14.17N 92.58W 29–29 3.8
¶603931998
MEX Error ellipse: s-maj=16.8km s-min=40.2km az=-1.0.
MEX XII 08 06 46 05.7–.37 15.86N 93.83W 90–6 3.5
¶603931999
MEX Error ellipse: s-maj=9.1km s-min=11.8km az=-1.0.
ISC XII 08 17 19 15.0–2.8 14.14N–.08 92.62W–.06 15–15 4.0b 31 1-146
IDC XII 08 17 19 11.5–2.6 13.85N 92.63W 0 4.0,3.7 ¶602320715
MEX XII 08 17 19 17.4–.34 14.13N 92.63W 10 4.0,3.7
NEIC XII 08 17 19 17.4–.00 14.13N 92.63W 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=25.5km az=7.0.
MEX Error ellipse: s-maj=10.2km s-min=6.5km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 09 08 23 58.8–1.8 14.0N–.10 92.7W–.10 46 17 1-146
IDC XII 09 08 23 52.8–4.0 14.40N 91.74W 0 4.1,4.1s ¶602330435
MEX XII 09 08 23 55.0–.33 13.75N 92.73W 35–62 4.0,4.1s
NEIC XII 09 08 23 55.0–.00 13.75N 92.73W 35 4.0,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=146.0km s-min=67.3km az=44.0.
MEX Error ellipse: s-maj=11.2km s-min=12.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 09 10 40 54.8–.57 15.66N 93.68W 90–7 4.0
NEIC XII 09 10 40 54.8–.00 15.66N 93.67W 90 4.0 ¶602217339
MEX Error ellipse: s-maj=5.9km s-min=10.6km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 09 16 08 43.9–2.3 14.6N–.20 93.7W–.20 36 9 1-145
IDC XII 09 16 08 35.4–3.9 14.25N 93.36W 0 3.7,3.4 ¶602390912
MEX XII 09 16 08 43.6–.64 14.49N 93.70W 16–191 4.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=155.0km s-min=68.8km az=50.0.
MEX Error ellipse: s-maj=123.4km s-min=116.6km az=-1.0.
MEX XII 10 07 04 04.7–1.1 14.56N 92.89W 16–50 3.9
¶603932011
MEX Error ellipse: s-maj=49.3km s-min=22.9km az=-1.0.
ISC XII 10 12 52 22.1–.74 14.79N–.06 92.55W–.05 75–6 4.0b 80 0-145
UCR XII 10 12 52 19.3–1.6 14.91N 92.41W 5–108 4.3b,4.2 ¶602355586
ISCJB XII 10 12 52 20.3–.49 14.68N–.05 92.60W–.04 69–5 4.0b,4.2
NEIC XII 10 12 52 21.3–.00 14.59N 92.74W 6 4.3b,4.2
MEX XII 10 12 52 21.2–.99 14.59N 92.74W 5–24 4.2,4.2
IDC XII 10 12 52 22.9–2.0 14.90N 92.46W 86–12 3.9,3.9
ISC Event type se.
UCR Error ellipse: s-maj=48.1km s-min=168.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.5km az=34.5.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=29.2km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=34.4km s-min=7.6km az=22.0.
ISC XII 11 08 01 58.2–2.4 14.02N–.07 92.29W–.06 10–14 4.2b 92 1-146
IDC XII 11 08 01 55.9–1.1 13.82N 92.36W 0 4.1,3.9 ¶602035768
ISCJB XII 11 08 01 58.4–1.4 13.89N–.07 92.33W–.05 24–10 4.1b,3.9
NEIC XII 11 08 02 00.7–1.9 13.99N 92.24W 23–12 4.1,4.1b
UCR XII 11 08 02 02.4–1.4 14.06N 92.16W 34–555 4.1b,3.6L
MEX XII 11 08 02 05.8–.83 14.27N 92.40W 16–43 4.1,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=14.7km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=4.2km az=33.3.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.2km az=217.0.
UCR Error ellipse: s-maj=39.8km s-min=350.9km az=-1.0.
MEX Error ellipse: s-maj=17.0km s-min=16.0km az=-1.0.
ISC XII 11 16 50 40.5–1.7 14.3N–.10 92.64W–.06 10 3.8b 20 1-145
IDC XII 11 16 50 32.4–2.8 13.66N 92.49W 0 3.8,3.5 ¶602347515
MEX XII 11 16 50 43.0–.36 14.26N 92.56W 15–75 4.0,3.5
NEIC XII 11 16 50 43.0–.00 14.26N 92.56W 16 4.0,3.5
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=27.1km az=3.0.
MEX Error ellipse: s-maj=68.4km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 12 13 14 46.0–.69 14.54N 92.02W 124–20 4.0
¶603932029
MEX Error ellipse: s-maj=34.8km s-min=37.9km az=-1.0.
MEX XII 13 14 40 41.5–.76 14.75N 93.01W 14–34 3.7
¶603932037
MEX Error ellipse: s-maj=27.4km s-min=17.9km az=-1.0.
MEX XII 13 21 17 34.9–.31 14.96N 93.67W 16–999 3.7
¶603932041
MEX Error ellipse: s-maj=9.8km s-min=7.2km az=-1.0.
MEX XII 13 23 10 30.7–.53 14.29N 92.22W 69–15 3.8
¶603932043
MEX Error ellipse: s-maj=16.5km s-min=12.9km az=-1.0.
MEX XII 14 18 22 16.2–.58 14.30N 92.18W 59–16 3.8
¶603932047
MEX Error ellipse: s-maj=12.3km s-min=10.1km az=-1.0.
MEX XII 15 14 13 55.6–.55 14.08N 92.12W 141–18 3.9
¶603932059
MEX Error ellipse: s-maj=31.4km s-min=25.2km az=-1.0.
ISC XII 17 04 49 31.7–3.1 14.6N–.40 92.2W–.20 62 3.4b 9 2-62
IDC XII 17 04 49 23.5–4.0 14.44N 92.28W 0 3.9,3.6 ¶602391522
ISCJB XII 17 04 49 28.9–2.5 14.5N–.30 92.3W–.20 62 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
MEX XII 17 15 35 49.8–.51 15.20N 93.55W 71–9 3.7
¶603932073
MEX Error ellipse: s-maj=8.5km s-min=9.2km az=-1.0.
MEX XII 18 08 43 00.4–.53 15.47N 93.18W 101–6 3.8
¶603932085
MEX Error ellipse: s-maj=4.3km s-min=5.3km az=-1.0.
MEX XII 20 05 50 07.9–.58 14.41N 92.17W 74–11 3.7
¶603932098
MEX Error ellipse: s-maj=12.2km s-min=10.0km az=-1.0.
MEX XII 20 16 24 41.1–.70 14.24N 92.06W 16–163 3.6
¶603932100
MEX Error ellipse: s-maj=129.0km s-min=51.9km az=-1.0.
ISC XII 21 01 20 45.3–1.4 14.7N–.10 93.12W–.07 51 3.9b 25 1-62
IDC XII 21 01 20 38.0–3.6 14.58N 93.15W 0 4.1,3.8b ¶602320157
MEX XII 21 01 20 42.9–.58 14.56N 93.16W 20 3.8,3.8b
ISCJB XII 21 01 20 43.6–1.0 14.72N–.10 93.04W–.06 51 4.0b,3.8b
NEIC XII 21 01 20 43.3–2.7 14.57N 93.11W 37–15 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=85.4km s-min=27.1km az=24.0.
MEX Error ellipse: s-maj=6.8km s-min=4.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=6.6km az=20.7.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=12.3km az=197.0.
MEX XII 22 01 01 54.9–.69 14.76N 93.71W 16–485 4.0
¶603932114
MEX Error ellipse: s-maj=272.8km s-min=351.2km az=-1.0.
MEX XII 22 09 17 20.4–.75 15.99N 93.82W 100–8 3.9
¶603932116
MEX Error ellipse: s-maj=7.4km s-min=6.1km az=-1.0.
MEX XII 22 15 28 57.9–.49 14.77N 93.26W 17–999 3.8
¶603932118
MEX Error ellipse: s-maj=65.1km s-min=37.6km az=-1.0.
MEX XII 22 19 39 09.3–.57 15.71N 93.72W 88–7 3.9
¶603932120
MEX Error ellipse: s-maj=5.9km s-min=14.1km az=-1.0.
ISC XII 23 11 01 10.4–.60 14.21N–.07 92.27W–.06 54 4.3b,3.6s 299 1-162
MEX XII 23 11 01 05.5–.59 14.03N 92.24W 74–34 3.8,3.6s ¶602057922
ISCJB XII 23 11 01 08.8–.34 14.23N–.04 92.18W–.03 54 4.3b,3.7s
IDC XII 23 11 01 08.4–4.3 14.33N 92.12W 33–30 4.2,4.0
NEIC XII 23 11 01 09.4–.49 14.19N 92.35W 35 4.3b,3.8
UCR XII 23 11 01 10.8–1.6 14.26N 92.06W 36–999 4.3b,3.6L
ISC Event type se.
MEX Error ellipse: s-maj=30.2km s-min=22.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=27.7.
IDC Error ellipse: s-maj=37.1km s-min=18.4km az=30.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=201.0.
UCR Error ellipse: s-maj=180.8km s-min=881.0km az=-1.0.
MEX XII 23 12 32 34.2–1.2 14.92N 92.03W 140–27 3.7
¶603932126
MEX Error ellipse: s-maj=32.2km s-min=36.9km az=-1.0.
MEX XII 23 13 53 58.8–.55 14.42N 92.70W 61–21 3.8
¶603932127
MEX Error ellipse: s-maj=15.8km s-min=20.2km az=-1.0.
MEX XII 24 11 56 08.9–.41 14.04N 92.52W 65–44 3.8
¶603932136
MEX Error ellipse: s-maj=23.9km s-min=24.9km az=-1.0.
ISC XII 24 19 04 59.6–1.4 14.2N–.10 92.07W–.08 54 3.7b 16 1-146
IDC XII 24 19 04 56.2–6.6 14.05N 91.87W 33–38 3.8,3.8L ¶602392013
MEX XII 24 19 05 02.4–.51 14.37N 92.19W 38–25 3.8,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=25.2km az=10.0.
MEX Error ellipse: s-maj=9.8km s-min=13.5km az=-1.0.
ISC XII 25 05 22 40.2–2.5 14.2N–.10 92.31W–.08 2–15 23 1-51
IDC XII 25 05 22 40.6–4.8 14.15N 92.35W 0 3.7,3.5b ¶602380569
MEX XII 25 05 22 43.1–.32 14.05N 92.38W 66–18 3.8,3.5b
UCR XII 25 05 22 47.1–3.4 14.21N 92.03W 20–999 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=93.5km s-min=27.7km az=14.0.
MEX Error ellipse: s-maj=11.7km s-min=9.0km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX XII 26 05 34 25.3–.66 14.58N 93.59W 16–110 4.1

NEIC XII 26 05 34 25.3–.00 14.58N 93.59W 16 4.1 **¶602428900**
MEX Error ellipse: s-maj=73.7km s-min=69.4km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 26 09 58 58.7–.88 15.67N–.06 93.79W–.03 75–8 3.8b 48 1-85
ISCJB XII 26 09 58 58.1–.58 15.71N–.06 93.75W–.04 81–5 3.6b **¶602380634**
MEX XII 26 09 58 59.7–.66 15.72N 93.75W 85–8 4.2
NEIC XII 26 09 58 59.7–.00 15.72N 93.75W 85 4.2
IDC XII 26 09 58 60.0–2.5 15.97N 93.59W 71–9 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.1km az=20.3.
MEX Error ellipse: s-maj=5.1km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=76.5km s-min=7.2km az=31.0.
ISC XII 26 13 12 27.8–1.6 14.0N–.10 92.34W–.07 35 14 1-146
IDC XII 26 13 12 20.7–3.7 13.73N 92.31W 0 3.6,3.4L **¶602380641**
MEX XII 26 13 12 23.6–.62 13.76N 92.29W 16–341 4.0,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=72.0km s-min=34.0km az=7.0.
MEX Error ellipse: s-maj=276.9km s-min=52.5km az=-1.0.
MEX XII 26 16 26 04.5–.46 14.23N 92.11W 71–13 3.9
¶603932155
MEX Error ellipse: s-maj=11.0km s-min=11.5km az=-1.0.
ISC XII 27 10 41 12.1–.55 14.08N–.07 92.35W–.07 46 4.5b,3.8s 358 1-146
ISCJB XII 27 10 41 10.5–.38 14.11N–.04 92.16W–.03 46 4.4b,3.9s **¶602059386**
IDC XII 27 10 41 10.6–3.5 14.10N 92.13W 33–25 4.3,4.3
NEIC XII 27 10 41 16.8–.00 14.39N 92.70W 16 4.5b,4.4
MEX XII 27 10 41 16.7–1.3 14.39N 92.70W 16–194 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=7.6.
IDC Error ellipse: s-maj=30.4km s-min=12.3km az=49.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=184.5km s-min=34.1km az=-1.0.
ISC XII 27 11 18 21.8–1.8 14.0N–.10 92.35W–.08 10 3.4b 12 1-51
IDC XII 27 11 18 21.2–9.2 13.80N 91.99W 34–45 3.7,3.6L **¶602380710**
MEX XII 27 11 18 24.7–1.4 13.95N 92.33W 14–999 4.1,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=103.7km s-min=33.3km az=170.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX XII 28 22 00 46.5–.43 14.48N 92.65W 28–22 3.7
¶603932170
MEX Error ellipse: s-maj=6.1km s-min=4.0km az=-1.0.
MEX XII 29 00 23 51.0–.94 15.64N 93.57W 75–14 3.7
¶603932172
MEX Error ellipse: s-maj=21.0km s-min=16.3km az=-1.0.
MEX XII 30 08 49 00.3–.39 14.22N 92.57W 10–67 3.8
¶603932184
MEX Error ellipse: s-maj=58.9km s-min=6.2km az=-1.0.
ISC XII 30 12 21 21.8–.81 14.48N–.04 93.00W–.04 32–3 5.2b,4.9s 1059 1-159
UCR XII 30 12 21 19.0–2.4 14.71N 93.24W 115–97 5.2b,4.8L **¶602064931**
NEIC XII 30 12 21 21.9–.17 14.45N 92.99W 26 5.3,5.3W
GCMT XII 30 12 21 21.9–.10 14.53N–.01 93.37W–.01 25–0 5.5W,5.3W
MOS XII 30 12 21 22.9–.98 14.60N 92.80W 49 5.3b,4.8s
MEX XII 30 12 21 22.4–.49 14.47N 93.19W 20–23 5.3,4.8s
ISCJB XII 30 12 21 24.9–.39 14.52N–.02 92.87W–.02 71–3 5.1b,4.8s
IDC XII 30 12 21 25.9–2.0 14.58N 92.75W 68–17 4.8s,4.8
ISC Event type fe.
UCR Error ellipse: s-maj=93.4km s-min=37.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=32.0. Felt at Tapachula. Also felt at Quezaltenango, Guatemala. Moment Tensor Solution. Best double couple: NP1: ϕ_s115.00000°,δ62.00000°,λ79.00000°. NP2:ϕ_s317.00000°,δ29.00000°,λ110.00000°. Principal axes: T 1.1000,Plg71.0000°,Azm1.0000°; N -0.1000,Plg10.0000°,Azm120.0000° ; P -1.0000,Plg17.0000°,Azm213.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c202; s101,c192;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.03 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$-0.44±.02; $M_{r\theta}$1.10±.05; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.95±.05; Best double couple: NP1:ϕ_s127.00000°,δ66.00000°,λ95.00000°. NP2:ϕ_s295.00000°,δ24.00000°,λ79.00000°. Principal axes: T 2.1810,Plg68.0000° ,Azm47.0000°; N -0.0500,Plg5.0000°,Azm305.0000°; P -2.1340,Plg21.0000°,Azm214.0000° M_o2.15800×10^{17}
MOS Error ellipse: s-maj=9.1km s-min=4.2km az=108.5.
MEX Error ellipse: s-maj=4.6km s-min=4.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=135.3.
IDC Error ellipse: s-maj=17.0km s-min=8.6km az=49.0.
MEX XII 30 12 54 16.4–.70 14.47N 93.14W 20 3.6
¶603932185
MEX Error ellipse: s-maj=7.3km s-min=4.7km az=-1.0.
MEX XII 30 16 22 07.2–.63 14.31N 92.20W 74–14 3.9
¶603932186
MEX Error ellipse: s-maj=13.3km s-min=11.4km az=-1.0.
MEX XII 30 17 59 22.3–.63 14.45N 93.20W 20 3.6
¶603932187
MEX Error ellipse: s-maj=6.4km s-min=4.3km az=-1.0.
MEX XII 30 18 19 49.2–.80 14.56N 93.08W 16–999 3.5
¶603932188
MEX Error ellipse: s-maj=15.2km s-min=11.4km az=-1.0.
MEX XII 31 00 56 57.0–.50 14.32N 92.75W 15–999 3.6
¶603932189
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX XII 31 05 16 04.5–.39 14.56N 93.52W 15–988 3.5
¶603932193
MEX Error ellipse: s-maj=290.3km s-min=784.2km az=-1.0.
ISC XII 31 07 13 50.2–2.9 14.2N–.20 92.5W–.40 10 6 1-146
IDC XII 31 07 13 50.6–4.2 14.92N 91.42W 0 3.8,3.6b **¶602380476**
MEX XII 31 07 13 53.2–.67 14.29N 92.68W 14–999 3.4,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=177.9km s-min=74.9km az=53.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(70) Guatemala.

MEX VII 02 04 33 39.5–.58 16.00N 90.37W 15 3.8
¶603312180
MEX Error ellipse: s-maj=13.1km s-min=9.1km az=-1.0.
ISC VII 05 07 50 25.2–1.2 14.17N–.08 91.81W–.06 71–11 3.9b 81 1-146
IDC VII 05 07 50 18.2–1.1 14.66N 91.02W 0 4.0,3.8 **¶601564427**
ISCJB VII 05 07 50 24.4–.58 14.15N–.05 91.83W–.04 82–4 3.8b,3.8
NEIC VII 05 07 50 25.4–.86 14.12N 91.82W 78–9 4.4,4.0b
MEX VII 05 07 50 26.8–.60 14.12N 91.95W 30–20 4.4,4.0b
UCR VII 05 07 50 26.9–1.8 14.30N 91.60W 17–18 4.4b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=17.5km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.5km az=37.1.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.7km az=223.0.
MEX Error ellipse: s-maj=12.1km s-min=15.2km az=-1.0.
UCR Error ellipse: s-maj=26.1km s-min=15.0km az=-1.0.
ISC VII 12 01 43 01.2–.29 14.84N–.04 90.99W–.03 202–2 4.9b 1762 1-153
UCR VII 12 01 43 00.1–2.0 15.59N 90.16W 200–16 5.4b,4.7 **¶601271902**
NEIC VII 12 01 43 01.6–.17 14.75N 90.94W 202 5.4b,5.2W
ISCJB VII 12 01 43 01.9–.20 14.83N–.01 90.91W–.02 219–2 4.9b,5.2W
GCMT VII 12 01 43 01.6–.30 14.93N 91.07W 204–2 5.2W,5.2W
IDC VII 12 01 43 02.1–.44 14.96N 90.73W 204–3 4.9,4.6
MEX VII 12 01 43 02.0–.85 14.81N 91.16W 204–9 5.1,4.6
MOS VII 12 01 43 03.6–.84 14.97N 90.77W 230 4.9b,4.6
BJI VII 12 01 43 03.0 14.90N 90.90W 215 5.3b,4.6
ISC Event type fe.
UCR Error ellipse: s-maj=24.1km s-min=25.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=209.0. Felt at Fraijanes, Guatemala, Lanquin, Mazatenango and Mixco. Felt [II] at San Salvador, El Salvador. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}1.13 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-1.25 $M_{r\theta}$4.62 $M_{\theta\phi}$1.05 $M_{\phi r}$-5.35 Best double couple: NP1:ϕ_s139.00000°,δ84.00000°,λ86.00000°. NP2:ϕ_s355.00000°,δ7.00000°,λ126.00000°. Principal axes: T 6.9400,Plg51.0000° ,Azm44.0000°; N 0.5800,Plg4.0000°,Azm139.0000°; P -7.5200,Plg39.0000°,Azm233.0000° M_o7.30000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=141.9.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s48,c64; s95,c152; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.89±.19 $M_{\theta\theta}$-2.27±.22; $M_{\phi\phi}$1.38±.23; $M_{r\theta}$5.80±.17; $M_{\theta\phi}$-0.53±.22; $M_{\phi r}$-4.77±.17; Best double couple: NP1:ϕ_s127.00000°,δ87.00000° ,λ104.00000°. NP2:ϕ_s227.00000°,δ14.00000°,λ10.00000°. Principal axes: T 8.0320,Plg46.0000°,Azm52.0000°; N -0.5200,Plg14.0000°,Azm307.0000° ; P -7.5110,Plg41.0000°,Azm204.0000° M_o7.77100×10^{16}
IDC Error ellipse: s-maj=10.9km s-min=6.3km az=52.0.
MEX Error ellipse: s-maj=9.2km s-min=8.0km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=4.5km az=102.2.
ISC VII 16 21 03 00.7–.83 14.21N–.05 90.19W–.05 30–5 4.7b,3.9s 475 1-146
IDC VII 16 21 02 55.6–.69 14.25N 90.33W 0 4.6,4.4 **¶601351861**
ISCJB VII 16 21 02 58.4–.27 14.03N–.03 90.42W–.03 33 4.7b,3.9s
UCR VII 16 21 02 58.4–1.5 14.35N 90.13W 1–17 4.7b,4.0L
NEIC VII 16 21 03 01.2–.66 14.15N 90.36W 37–6 4.7b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=11.6km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.0km az=40.9.
UCR Error ellipse: s-maj=7.1km s-min=15.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.3km az=48.0. Felt [III] at Guatemala, Mixco, Pueblo Nuevo Vinas and Santa Catarina Pinula. Also felt at Cahabon, Fraijanes, Lanquin, Pachalum, Petapa, San Bartolome Milpas Altas, Villa Canales and Villa Nueva. Felt [I] at Ahuachapan, El Salvador.
ISC VII 16 23 03 01.7–1.1 14.2N–.20 90.01W–.09 35 3.8b 22 3-138
IDC VII 16 23 02 57.1–1.2 14.32N 90.20W 0 4.1,3.9 **¶601465752**
MEX VII 16 23 02 59.5–.53 14.09N 89.86W 85–58 4.2,3.9
ISCJB VII 16 23 03 01.3–.69 14.4N–.10 89.99W–.07 35 3.8b,3.3s
NEIC VII 16 23 03 02.7–1.3 14.33N 90.26W 38–13 4.2b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=35.7km s-min=16.6km az=38.0.
MEX Error ellipse: s-maj=18.8km s-min=15.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=18.2km s-min=6.0km az=25.8.
NEIC Event type fe. Error ellipse: s-maj=20.7km s-min=9.4km az=223.0. Felt at Santa Catarina Pinula. Felt [I] at Ahuachapan, El Salvador.
ISC VII 22 10 36 37.0–.99 14.50N–.03 89.13W–.03 16–6 4.6b 431 0-146
ISCJB VII 22 10 36 37.5–.35 14.50N–.02 89.14W–.03 29–3 4.4b **¶601456933**
UCR VII 22 10 36 38.4–6.0 14.47N 89.28W 10 4.4b,4.0L
NEIC VII 22 10 36 41.7–.59 14.50N 89.11W 51–5 4.4b,4.0
IDC VII 22 10 36 43.2–2.8 14.58N 88.99W 61–25 4.2,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.3km az=153.9.
UCR Error ellipse: s-maj=15.4km s-min=9.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=51.0. Felt [II] at Copan. Also felt at Mercedes and Ostuman. Felt [I] at Citala, El Salvador. Felt at Esquipulas, Guatemala.
IDC Error ellipse: s-maj=23.2km s-min=10.3km az=46.0.
ISC VII 27 02 06 55.2–.42 14.64N–.06 90.62W–.06 200 4.5b 670 1-150
ISCJB VII 27 02 06 54.0–.20 14.65N–.02 90.72W–.03 200 4.5b **¶601475831**
UCR VII 27 02 06 56.8–.52 14.70N 90.63W 188–6 4.7b,3.3L
NEIC VII 27 02 06 56.6–.57 14.59N 90.61W 216–5 4.7b,3.3L
IDC VII 27 02 06 57.1–1.6 14.77N 90.44W 216–14 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.4km az=139.5.
UCR Error ellipse: s-maj=9.3km s-min=8.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=220.0.
IDC Error ellipse: s-maj=18.0km s-min=8.0km az=59.0.
ISC VIII 02 15 36 29.0–1.9 14.52N–.05 89.11W–.05 1–12 4.7b,3.6s 569 0-146
UCR VIII 02 15 36 27.0–1.1 14.49N 89.12W 6–11 4.6b,4.0L **¶601511888**
ISCJB VIII 02 15 36 28.2–.14 14.49N–.02 89.09W–.02 10 4.6b,3.5s
IDC VIII 02 15 36 28.3–.77 14.50N 89.30W 0 4.4,4.3b
NEIC VIII 02 15 36 33.6–1.1 14.58N 89.01W 25–8 4.6b,4.3b
ISC Event type fe.
UCR Error ellipse: s-maj=6.9km s-min=3.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=159.0.
IDC Error ellipse: s-maj=28.5km s-min=14.2km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=220.0. Felt at Copan, Ojos de Agua, Pena Blanca, Quimistan, San Pedro Sula and Santa Rosa de Copan. Felt [I] at Metapan, El Salvador.
UCR VIII 02 15 47 49.1–1.3 14.48N 89.13W 14–15 3.8L
¶603794118
UCR Error ellipse: s-maj=9.8km s-min=3.9km az=-1.0.
UCR VIII 03 07 44 27.6–1.6 15.70N 89.45W 37–999 3.9L
¶603794119
UCR Error ellipse: s-maj=28.5km s-min=11.9km az=-1.0.
IDC VIII 16 19 21 45.1–3.5 14.64N 91.37W 0 3.8,3.8L
¶601765956
IDC Error ellipse: s-maj=98.9km s-min=41.7km az=27.0.
IDC IX 02 12 00 12.3–2.9 14.06N 89.31W 0 3.6,3.3
¶601862784
IDC Error ellipse: s-maj=145.4km s-min=19.6km az=33.0.
ISC IX 02 23 38 17.7–1.8 14.1N–.10 91.08W–.07 8–13 25 1-5
UCR IX 02 23 38 21.0–.57 14.12N 90.97W 87–11 3.5L **¶603496711**
MEX IX 02 23 38 21.1–.75 13.76N 91.25W 27–19 3.7
ISC Event type ke.
UCR Error ellipse: s-maj=12.3km s-min=8.7km az=-1.0.
MEX Error ellipse: s-maj=11.8km s-min=15.2km az=-1.0.
ISC IX 04 03 25 47.5–1.4 14.2N–.10 91.47W–.07 73 3.5b 14 1-51
MEX IX 04 03 25 44.6–.59 14.24N 91.23W 102–18 3.5 **¶601862903**
IDC IX 04 03 25 47.6–3.0 13.92N 91.22W 97–25 3.3,3.3
ISC Event type ke.
MEX Error ellipse: s-maj=13.4km s-min=16.5km az=-1.0.
IDC Error ellipse: s-maj=43.2km s-min=26.4km az=68.0.
ISC IX 07 18 10 05.6–.59 14.73N–.06 91.26W–.04 180–6 4.2b 157 1-137
ISCJB IX 07 18 10 05.4–.33 14.81N–.04 91.33W–.03 179–3 4.2b **¶601839181**
MEX IX 07 18 10 05.9–.58 14.78N 91.30W 191–5 4.1
NEIC IX 07 18 10 05.9–.00 14.78N 91.30W 191 4.5b,4.1
IDC IX 07 18 10 07.1–.81 14.85N 90.98W 178–4 4.1,3.8
UCR IX 07 18 10 12.9–1.2 14.99N 90.87W 121–25 4.5b,3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=26.5.
MEX Error ellipse: s-maj=6.7km s-min=7.2km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=27.0km s-min=13.3km az=63.0.
UCR Error ellipse: s-maj=33.7km s-min=17.8km az=-1.0.
UCR IX 10 02 07 06.0–2.2 14.75N 89.30W 13 3.5L
¶603790869
UCR Error ellipse: s-maj=9.4km s-min=8.6km az=-1.0.
MEX IX 17 21 24 25.4–.87 14.13N 91.99W 25–24 3.7
¶603514500
MEX Error ellipse: s-maj=8.4km s-min=11.0km az=-1.0.
MEX IX 20 08 01 23.9–.69 14.00N 91.43W 47–31 3.8
¶603514534
MEX Error ellipse: s-maj=10.6km s-min=12.1km az=-1.0.
ISC IX 22 05 27 42.5–2.5 14.0N–.10 91.33W–.09 18–6 26 1-5
ISCJB IX 22 05 27 42.0–2.1 13.9N–.10 91.38W–.09 29–26 **¶603496792**
UCR IX 22 05 27 43.5–2.1 14.86N 90.89W 15–11 3.4L
MEX IX 22 05 27 43.3–.57 13.92N 91.26W 25–16 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=4.1km az=30.5.
UCR Error ellipse: s-maj=12.2km s-min=15.7km az=-1.0.
MEX Error ellipse: s-maj=13.0km s-min=12.9km az=-1.0.
MEX IX 24 03 33 13.3–.40 14.01N 91.05W 10 3.8
¶603514606
MEX Error ellipse: s-maj=12.3km s-min=13.9km az=-1.0.
IDC X 01 09 43 56.2–4.4 15.20N 89.14W 0 3.7,3.6L
¶601996377
IDC Error ellipse: s-maj=73.9km s-min=18.8km az=153.0.
MEX X 03 06 21 27.1–.85 14.95N 91.78W 138–20 3.7
¶603775677
MEX Error ellipse: s-maj=40.0km s-min=30.0km az=-1.0.
NEIC X 15 15 28 20.0–.00 14.44N 89.15W 4 3.7

¶601998349

NEIC Event type fe. Felt [II] at Las Pilas, El Salvador. After SNET.

ISC	**X**	**15 17 52 19.6–.27**	**14.09N–.04**	**91.14W–.04**	**76–2**	**5.3b**	**1267**	**1-156**	
UCR	X	15 17 52 19.5–1.7	13.95N	91.27W	23–13	5.4b,5.2L			¶601834646
IDC	X	15 17 52 19.4–.40	14.18N	90.89W	76–3	4.8,4.6			
ISCJB	X	15 17 52 19.7–.13	14.17N–.02	91.08W–.01	81	5.2b,4.6			
BJI	X	15 17 52 20.7	14.20N	91.00W	85	5.6s,5.4			
GCMT	X	15 17 52 20.0–.10	14.08N–.01	91.32W–.01	78–1	5.5W,5.4			
MOS	X	15 17 52 20.6–1.1	14.13N	90.95W	94	5.4b,4.9s			
NEIC	X	15 17 52 21.0–.20	14.06N	91.01W	82	5.6,5.5W			

ISC Event type fe.

UCR Error ellipse: s-maj=10.5km s-min=9.7km az=-1.0.

IDC Error ellipse: s-maj=13.1km s-min=8.4km az=55.0.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=38.3.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c193; s125,c226;Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.03 $M_{\theta\theta}$-0.36±.04; $M_{\phi\phi}$0.32±.04; $M_{r\theta}$1.92±.02; $M_{\theta\phi}$-0.58±.03; $M_{\phi r}$-1.56±.03; Best double couple: NP1:ϕ_s306.00000°,δ88.00000° ,λ-101.00000°. NP2:ϕ_s206.00000°,δ11.00000°,λ-11.00000°. Principal axes: T 2.7740,Plg42.0000°,Azm47.0000°; N -0.4930,Plg11.0000°,Azm307.0000° ; P -2.2810,Plg46.0000°,Azm205.0000° M_o2.52700×10^{17}

MOS Error ellipse: s-maj=9.2km s-min=4.2km az=111.4.

NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=215.0. Felt [V] at Antigua Guatemala and Villa Nueva; [IV] at Guatemala, La Democracia, Mixco, San Bartolome Milpas Altas and Santa Catarina Pinula; [III] at Cahabon. Felt throughout southern Guatemala. Felt [IV] at San Salvador, El Salvador. Also felt at Concepcion de Ataco, Nueva San Salvador, Opico and Santiago Nonualco. Felt at Tapachula and Tuxtla Gutierrez, Mexico. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.27 $M_{r\theta}$1.83 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.21 Best double couple: NP1:ϕ_s124.00000°,δ86.00000° ,λ98.00000°. NP2:ϕ_s241.00000°,δ9.00000°,λ28.00000°. Principal axes: T 2.1600,Plg49.0000°,Azm42.0000°; N 0.1700,Plg8.0000°,Azm303.0000° ; P -2.3300,Plg40.0000°,Azm206.0000° M_o2.30000×10^{17}

ISC	**X**	**19 14 52 40.9–1.3**	**14.4N–.10**	**91.96W–.07**	**82–9**	**4.0b**	**27**	**1-146**	
ISCJB	X	19 14 52 39.5–1.5	14.3N–.10	92.02W–.07	92–7	3.8b			¶601998949
MEX	X	19 14 52 42.0–.52	14.36N	91.93W	77–13	4.0			
IDC	X	19 14 52 43.3–2.1	14.56N	91.92W	98–13	3.9,3.8			

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=26.1km s-min=8.7km az=19.2.

MEX Error ellipse: s-maj=14.5km s-min=13.6km az=-1.0.

IDC Error ellipse: s-maj=32.9km s-min=9.3km az=21.0.

ISC	**X**	**23 00 21 11.0–.65**	**14.29N–.07**	**89.84W–.07**	**250–5**	**4.4b**	**395**	**0-146**	
ISCJB	X	23 00 21 10.5–.30	14.24N–.04	89.85W–.04	264–2	4.1b			¶601999323
NEIC	X	23 00 21 11.6–.41	14.27N	89.82W	255–3	4.5b			
IDC	X	23 00 21 11.0–.69	14.35N	89.72W	248–4	4.2,3.8			
UCR	X	23 00 21 14.0–1.8	14.21N	89.78W	228–7	4.5b,3.6L			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=38.8.

NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=49.0.

IDC Error ellipse: s-maj=22.1km s-min=11.4km az=46.0.

UCR Error ellipse: s-maj=24.0km s-min=13.2km az=-1.0.

MEX	**X**	**30 23 19 53.5–.87**	**14.60N**	**91.88W**	**89–9**	**3.6**	

¶603776455

MEX Error ellipse: s-maj=17.5km s-min=13.4km az=-1.0.

MEX	**X**	**31 16 48 46.7–.69**	**14.99N**	**91.65W**	**163–6**	**3.9**	

¶603776617

MEX Error ellipse: s-maj=8.8km s-min=9.1km az=-1.0.

MEX	**XI**	**03 17 52 37.5–.52**	**14.05N**	**91.42W**	**94–17**	**3.8**	

¶603826502

MEX Error ellipse: s-maj=16.3km s-min=15.1km az=-1.0.

MEX	**XI**	**05 05 32 33.1–.52**	**14.48N**	**90.93W**	**188–8**	**4.1**	
NEIC	XI	05 05 32 33.1–.00	14.48N	90.93W	188	4.1	¶602054252

MEX Error ellipse: s-maj=7.0km s-min=10.2km az=-1.0.

NEIC Event type se. After MEX.

ISC	**XI**	**07 16 57 05.9–.97**	**14.1N–.10**	**91.82W–.08**	**35**	**4.3b**	**34**	**2-147**	
IDC	XI	07 16 57 00.7–2.0	14.05N	91.71W	0	4.5,4.4L			¶601881286
NEIC	XI	07 16 57 05.8–.89	14.15N	91.75W	35	4.7b,4.4L			

ISC Event type se.

IDC Error ellipse: s-maj=41.7km s-min=27.2km az=177.0.

NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.0km az=200.0.

IDC	**XI**	**07 20 05 36.6–4.3**	**14.04N**	**91.68W**	**0**	**4.0,3.6**			

¶602388984

IDC Error ellipse: s-maj=263.9km s-min=66.1km az=46.0.

ISC	**XI**	**07 22 44 52.0–.59**	**14.01N–.09**	**91.89W–.09**	**54**	**4.9b**	**90**	**2-147**	
IDC	XI	07 22 44 45.2–.85	13.95N	91.89W	0	4.9s,4.8			¶602051302
ISCJB	XI	07 22 44 50.7–.46	14.02N–.07	91.89W–.06	54	4.8b,4.8s			
NEIC	XI	07 22 44 50.2–.32	13.97N	91.86W	35	4.9b,4.8s			

ISC Event type se.

IDC Error ellipse: s-maj=30.3km s-min=13.2km az=52.0.

ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.8km az=40.2.

NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=41.0.

IDC	**XI**	**11 22 16 42.3–1.0**	**14.67N**	**91.48W**	**0**	**6.5s,6.5**			

¶602389242

IDC Error ellipse: s-maj=37.6km s-min=24.7km az=37.0.

IDC	**XI**	**11 22 18 11.1–2.9**	**14.56N**	**91.48W**	**0**	**4.8,4.6b**	

¶601897348

IDC Error ellipse: s-maj=105.3km s-min=35.2km az=32.0.

IDC	**XI**	**11 23 10 47.9–2.5**	**14.07N**	**91.94W**	**0**	**3.7,3.5b**	

¶602389249

IDC Error ellipse: s-maj=43.2km s-min=15.2km az=167.0.

ISC	**XI**	**15 08 01 01.5–.90**	**14.10N–.05**	**91.89W–.05**	**41–7**	**4.8b,4.7s**	**559**	**1-160**	
MEX	XI	15 08 01 00.6–.53	13.89N	92.09W	16–116	4.4,4.7s			¶601901504
UCR	XI	15 08 01 00.9–1.4	14.21N	91.97W	35–520	4.9b,4.6L			
IDC	XI	15 08 01 00.3–2.7	14.02N	91.79W	33–19	4.8L,4.7s			
NEIC	XI	15 08 01 01.4–.22	14.00N	91.87W	35	4.9b,4.4			
GCMT	XI	15 08 01 02.4–.20	13.97N–.01	92.30W–.01	32–0	5.4W,4.4			
ISCJB	XI	15 08 01 03.8–.42	14.15N–.03	91.69W–.03	75–4	4.8b,4.4			

ISC Event type fe.

NEIC Event type fe. Felt at Almolonga, Guatemala, Santa Clara La Laguna and Tahuexco.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c149; s84,c144;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.03 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$-0.39±.02; $M_{r\theta}$0.64±.03; $M_{\theta\phi}$0.60±.02; $M_{\phi r}$-0.38±.03; Best double couple: NP1:ϕ_s121.00000°,δ59.00000°,λ90.00000°. NP2:ϕ_s302.00000°,δ31.00000°,λ90.00000°. Principal axes: T 1.6030,Plg76.0000° ,Azm30.0000°; N -0.0320,Plg0.0000°,Azm121.0000°; P -1.5700,Plg14.0000°,Azm211.0000° M_o1.58700×10^{17}

ISCJB Event type fe.

MEX	**XI**	**15 15 19 13.7–.46**	**14.45N**	**91.52W**	**109–6**	**3.9**			

¶603826724

MEX Error ellipse: s-maj=8.6km s-min=9.0km az=-1.0.

MEX	**XI**	**16 10 09 18.4–.40**	**14.49N**	**91.95W**	**78–4**	**3.7**	

¶603826742

MEX Error ellipse: s-maj=5.9km s-min=6.1km az=-1.0.

MEX	**XI**	**19 06 54 15.7–.68**	**14.01N**	**91.50W**	**15**	**4.0**		
NEIC	XI	19 06 54 15.4–.00	13.99N	91.50W	22	4.0	¶602210382	

MEX Error ellipse: s-maj=8.4km s-min=13.6km az=-1.0.

NEIC Event type se. After MEX.

IDC	**XI**	**20 08 26 05.2–4.1**	**14.53N**	**91.01W**	**0**	**4.1,3.7b**	

¶602389729

IDC Error ellipse: s-maj=153.8km s-min=66.4km az=41.0.

MEX	**XI**	**21 12 58 13.9–.83**	**14.77N**	**91.72W**	**144–16**	**3.8**	

¶603826786

MEX Error ellipse: s-maj=111.7km s-min=66.8km az=-1.0.

MEX	**XI**	**25 13 41 21.4–.58**	**14.25N**	**91.73W**	**89–16**	**3.6**	

¶603826828

MEX Error ellipse: s-maj=9.2km s-min=18.5km az=-1.0.

MEX	**XI**	**27 09 43 43.4–.69**	**14.12N**	**91.68W**	**23–45**	**3.9**	

¶603826860

MEX Error ellipse: s-maj=12.5km s-min=18.0km az=-1.0.

ISC	**XI**	**28 23 38 16.7–.99**	**14.02N–.07**	**91.37W–.04**	**70–10**	**4.1b**	**72**	**1-146**	
ISCJB	XI	28 23 38 16.0–.51	14.04N–.06	91.40W–.04	75–5	4.0b			¶602216526
MEX	XI	28 23 38 17.8–.69	14.01N	91.42W	61–23	4.0			
UCR	XI	28 23 38 17.6–1.4	14.04N	91.23W	18–15	4.1b,3.6L			
NEIC	XI	28 23 38 18.6–.73	14.21N	91.34W	63–10	4.1b,3.6L			
IDC	XI	28 23 38 18.8–1.6	14.12N	91.28W	92–11	3.9,3.7			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=3.6km az=27.9.

MEX Error ellipse: s-maj=13.5km s-min=14.5km az=-1.0.

UCR Error ellipse: s-maj=26.9km s-min=11.6km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.8km az=203.0.

IDC Error ellipse: s-maj=21.3km s-min=11.3km az=29.0.

ISC	**XII**	**07 03 45 44.0–.71**	**14.09N–.09**	**90.28W–.08**	**200**	**4.1b**	**194**	**1-137**	
ISCJB	XII	07 03 45 42.0–.50	13.87N–.05	90.30W–.06	200	4.0b			¶602059833
IDC	XII	07 03 45 43.6–.77	14.26N	89.87W	170–4	3.8,3.5			
UCR	XII	07 03 45 44.4–1.4	14.00N	90.21W	172–7	4.3b,3.6L			
NEIC	XII	07 03 45 44.0–.65	14.14N	90.20W	182–8	4.3b,3.6L			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.0km az=135.6.

IDC Error ellipse: s-maj=29.6km s-min=10.0km az=48.0.

UCR Error ellipse: s-maj=29.4km s-min=15.3km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=47.0.

MEX	**XII**	**09 21 55 14.4–.42**	**14.99N**	**91.85W**	**151–7**	**3.6**	

¶603932009

MEX Error ellipse: s-maj=9.2km s-min=10.3km az=-1.0.

MEX	**XII**	**11 15 21 48.3–.61**	**14.59N**	**91.99W**	**93–10**	**3.8**	

¶603932020

MEX Error ellipse: s-maj=23.7km s-min=20.4km az=-1.0.

MEX	**XII**	**13 18 06 58.3–.72**	**14.48N**	**91.85W**	**86–11**	**3.8**	

¶603932038

MEX Error ellipse: s-maj=20.4km s-min=17.6km az=-1.0.

IDC	**XII**	**13 19 03 15.4–4.3**	**14.32N**	**91.43W**	**0**	**3.5,3.4L**	

¶602391277

IDC Error ellipse: s-maj=145.0km s-min=44.9km az=33.0.

ISC	**XII**	**14 04 04 06.1–.64**	**14.01N–.04**	**91.81W–.04**	**31–4**	**5.2b,4.9s**	**1192**	**1-160**	
IDC	XII	14 04 04 05.7–2.4	13.84N	91.76W	34–16	4.9,4.8			¶602043482
GCMT	XII	14 04 04 05.9–.10	13.77N–.01	92.34W–.01	13–0	5.3W,4.8			
MOS	XII	14 04 04 06.9–.99	14.00N	91.70W	50	5.3b,4.8s			
UCR	XII	14 04 04 06.0–1.5	13.80N	92.02W	26–107	5.2b,4.7L			
BJI	XII	14 04 04 06.4	14.00N	91.70W	46	5.5s,5.4b			
NEIC	XII	14 04 04 06.9–.37	13.93N	91.68W	37–3	5.2W,5.2b			
MEX	XII	14 04 04 09.5–.85	14.03N	92.28W	20–62	5.1,5.2b			
ISCJB	XII	14 04 04 09.5–.37	14.08N–.02	91.65W–.02	74–3	5.1b,5.2b			

ISC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c193; s108,c197;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.02 $M_{\theta\theta}$-0.83±.01; $M_{\phi\phi}$-0.16±.02; $M_{r\theta}$0.52±.04; $M_{\theta\phi}$0.43±.01; $M_{\phi r}$-0.48±.04; Best double couple: NP1:ϕ_s125.00000°,δ62.00000°,λ99.00000°. NP2:ϕ_s287.00000°,δ29.00000°,λ73.00000°. Principal axes: T 1.2360,Plg71.0000° ,Azm55.0000°; N 0.0190,Plg8.0000°,Azm301.0000°; P -1.2550,Plg17.0000°,Azm209.0000° M_o1.24500×10^{17}

NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{16}Nm; M_{rr}7.10 $M_{\theta\theta}$-6.02 $M_{\phi\phi}$-1.08 $M_{r\theta}$2.05 $M_{\theta\phi}$2.14 $M_{\phi r}$-1.95 Best double couple: NP1:ϕ_s119.00000° ,δ56.00000°,λ99.00000°. NP2:ϕ_s283.00000°,δ35.00000°,λ77.00000°. Principal axes: T 7.7200,Plg77.0000°,Azm58.0000°; N -0.4200,Plg7.0000°,Azm293.0000° ; P -7.3000,Plg10.0000°,Azm202.0000° M_o7.50000×10^{16}

ISCJB Event type se.

MEX	**XII**	**15 04 53 00.3–.50**	**14.07N**	**91.98W**	**89–20**	**3.8**	

¶603932053

MEX Error ellipse: s-maj=16.8km s-min=15.7km az=-1.0.

ISC	**XII**	**16 10 07 11.4–.29**	**14.70N–.04**	**91.54W–.03**	**113–2**	**5.1b**	**1449**	**1-160**	
UCR	XII	16 10 07 09.5–2.0	14.27N	91.80W	20–310	4.5L			¶602043805
MEX	XII	16 10 07 11.4–.61	14.44N	91.66W	99–7	5.4			
IDC	XII	16 10 07 11.8–.44	14.87N	91.22W	120–3	4.6,4.3			
NEIC	XII	16 10 07 12.0–.17	14.68N	91.46W	115	5.4,5.2			
ISCJB	XII	16 10 07 12.2–.21	14.71N–.02	91.42W–.02	135–2	5.1b,5.2			
MOS	XII	16 10 07 13.3–1.1	14.80N	91.38W	139	5.1b,5.2			
GCMT	XII	16 10 07 13.0–.20	14.68N–.01	91.65W–.01	102–2	5.2W,5.2			

ISC Event type fe.

NEIC Event type fe. Felt at El Palmar, Quetzaltenango, San Pedro La Laguna and Santiago Atitlan. Felt [I] at Ahuachapan, El Salvador.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c110; s104,c167;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48±.18 $M_{\theta\theta}$-0.34±.21; $M_{\phi\phi}$1.83±.21; $M_{r\theta}$6.68±.12; $M_{\theta\phi}$-4.65±.21; $M_{\phi r}$-2.77±.12; Best double couple: NP1:ϕ_s288.00000°,δ83.00000° ,λ-120.00000°. NP2:ϕ_s186.00000°,δ31.00000°,λ-13.00000°. Principal axes: T 9.4920,Plg32.0000°,Azm42.0000°; N -1.7060,Plg30.0000°,Azm291.0000° ; P -7.7770,Plg44.0000°,Azm168.0000° M_o8.63400×10^{16}

UCR	**XII**	**20 02 21 52.4–1.3**	**14.01N**	**91.38W**	**39–339**	**3.9,3.3L**	

¶605657257

UCR Error ellipse: s-maj=14.9km s-min=13.5km az=-1.0.

MEX	**XII**	**24 08 42 57.6–.57**	**14.42N**	**91.94W**	**67–17**	**3.8**	

¶603932135

MEX Error ellipse: s-maj=17.6km s-min=17.1km az=-1.0.

UCR	**XII**	**25 02 02 02.0–1.2**	**14.48N**	**89.13W**	**6–5**	**3.5L,3.2**	

¶605657263

UCR Error ellipse: s-maj=3.5km s-min=2.1km az=-1.0.

(71) Near coast of Guatemala.

ISC	**VII**	**02 17 42 55.6–.67**	**13.95N–.08**	**91.16W–.05**	**56–3**	**4.3b,3.4s**	**189**	**1-146**	
UCR	VII	02 17 42 57.4–.60	14.14N	91.09W	76–10	4.5L,4.4b			¶601233544
NEIC	VII	02 17 42 58.3–.87	14.22N	90.61W	77–5	4.5,4.4b			
IDC	VII	02 17 42 58.8–.95	14.35N	90.46W	77–5	4.1,4.0			
MEX	VII	02 17 43 02.9–.48	14.23N	91.31W	111–9	4.5,4.0			

ISC Event type se.

UCR Error ellipse: s-maj=7.5km s-min=4.5km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=23.5km s-min=10.4km az=47.0.

IDC Error ellipse: s-maj=28.0km s-min=15.5km az=45.0.

MEX Error ellipse: s-maj=15.2km s-min=11.3km az=-1.0.

ISC	**VII**	**03 05 31 38.8–1.4**	**13.8N–.10**	**90.91W–.09**	**35**		**26**	**1-51**	
IDC	VII	03 05 31 30.2–14	14.07N	89.61W	0	3.8,3.4			¶601663424
ISCJB	VII	03 05 31 38.2–.99	13.7N–.10	90.93W–.06	33	3.6b,3.4			
UCR	VII	03 05 31 40.8–.84	13.92N	90.73W	64–12	3.5L,3.4			

ISC Event type ke.

IDC Error ellipse: s-maj=293.3km s-min=103.0km az=1.0.

ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=7.5km az=13.5.

UCR Error ellipse: s-maj=13.8km s-min=7.3km az=-1.0.

NEIC	**VII**	**12 02 34 57.6–2.8**	**13.83N**	**90.49W**	**101–17**	**3.8**	

¶601405505

NEIC Event type fe. Error ellipse: s-maj=69.4km s-min=12.5km az=204.0. Felt [I] at Ahuachapan, El Salvador.

ISC	**VII**	**17 16 01 41.5–.60**	**13.49N–.07**	**90.04W–.05**	**58**	**4.2b,3.2s**	**88**	**0-147**	
ISCJB	VII	17 16 01 40.1–.45	13.42N–.05	90.11W–.03	58	4.2b,3.2s			¶601643160
UCR	VII	17 16 01 41.5–1.1	13.48N	90.07W	57–10	4.5b,4.2L			
IDC	VII	17 16 01 42.0–2.0	13.48N	89.99W	59–19	4.0,4.0			
NEIC	VII	17 16 01 43.4–.64	13.53N	89.88W	78–6	4.5b,4.3			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.2km az=25.2.

UCR Error ellipse: s-maj=8.7km s-min=4.9km az=-1.0.

IDC Error ellipse: s-maj=60.2km s-min=10.7km az=39.0.

NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=216.0. Felt [II] at San Salvador.

ISC	**VII**	**27 23 53 04.2–.90**	**13.9N–.10**	**91.80W–.09**	**61**	**4.2b**	**84**	**1-146**	
IDC	VII	27 23 52 58.9–2.1	14.45N	91.24W	0	4.2,4.0			¶601519876
UCR	VII	27 23 53 01.5–.71	15.22N	91.44W	16–13	4.2b,3.5L			
NEIC	VII	27 23 53 07.9–.94	14.19N	91.55W	74–8	4.2b,3.5L			

ISC Event type se.

IDC Error ellipse: s-maj=75.9km s-min=17.3km az=38.0.

UCR Error ellipse: s-maj=23.3km s-min=31.4km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.3km az=213.0.

ISC	**VIII**	**09 12 36 22.1–.38**	**13.18N–.04**	**90.31W–.04**	**24**	**4.7b,4.1s**	**688**	**1-147**	
IDC	VIII	09 12 36 19.0–.62	13.45N	89.75W	0	4.4,4.2			¶601533521
ISCJB	VIII	09 12 36 21.7–.20	13.27N–.02	90.30W–.02	24	4.6b,4.0s			
UCR	VIII	09 12 36 24.5–1.8	13.18N	90.25W	25–6	4.7b,4.6L			

GCMT VIII 09 12 36 25.6–.30 13.20N–.02 90.41W–.02 26–1 5.0W,4.6L
NEIC VIII 09 12 36 27.6–.40 13.30N 90.09W 63–3 4.9,4.8
MEX VIII 09 12 36 31.2–.50 13.47N 90.97W 1–83 4.9,4.8
ISC Event type fe.
IDC Error ellipse: s-maj=26.2km s-min=12.9km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=26.0.
UCR Error ellipse: s-maj=4.9km s-min=11.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c51; s94,c140;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.79±.12 $M_{\theta\theta}$-3.72±.10; $M_{\phi\phi}$2.93±.11; $M_{r\theta}$1.64±.19; $M_{\theta\phi}$0.35±.09; $M_{\phi r}$-0.07±.19; Best double couple: NP1:ϕ_s227.00000°,δ78.00000°,λ-13.00000°. NP2:ϕ_s319.00000°,δ77.00000°,λ-167.00000°. Principal axes: T 2.9490,Plg0.0000° ,Azm273.0000°; N 1.3230,Plg72.0000°,Azm4.0000°; P -4.2710,Plg18.0000°,Azm183.0000° $M_0$3.61000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=218.0. Felt [III] at San Salvador. Also felt at Antigua Guatemala, Guatemala and Jocotenango, Guatemala.
MEX Error ellipse: s-maj=52.0km s-min=49.6km az=-1.0.
ISC VIII 14 07 39 35.1–3.4 13.8N–.20 91.35W–.10 9–19 3.8b 29 1-63
IDC VIII 14 07 39 29.1–8.0 13.54N 90.91W 0 3.9,3.6 **¶601765823**
UCR VIII 14 07 39 34.0–1.4 13.92N 91.60W 34–393 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=219.2km s-min=78.6km az=25.0.
UCR Error ellipse: s-maj=26.4km s-min=249.0km az=-1.0.
ISC VIII 19 18 42 58.0–1.1 13.68N–.08 90.26W–.05 78–8 68 1-41
ISCJB VIII 19 18 42 57.9–.53 13.71N–.06 90.24W–.04 85–4 **¶601685252**
NEIC VIII 19 18 42 58.7–.96 13.62N 90.29W 86–10 4.3,3.9b
UCR VIII 19 18 42 59.0–1.4 13.78N 90.19W 76–10 4.1L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.4km az=27.4.
NEIC Event type fe. Error ellipse: s-maj=21.7km s-min=6.8km az=209.0. Felt [I] at Ahuachapan, El Salvador.
UCR Error ellipse: s-maj=8.5km s-min=7.7km az=-1.0.
ISC VIII 20 15 05 26.0–2.2 13.20N–.08 90.88W–.06 6–12 4.3b 44 1-147
IDC VIII 20 15 05 24.0–2.4 12.97N 90.90W 0 3.9,3.5 **¶601605994**
UCR VIII 20 15 05 30.8–.99 13.42N 90.76W 7–7 4.4b,3.7L
NEIC VIII 20 15 05 31.0–1.8 13.27N 90.87W 49–17 4.4b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=130.8km s-min=26.1km az=36.0.
UCR Error ellipse: s-maj=5.7km s-min=6.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=9.3km az=216.0.
ISC VIII 26 11 13 37.9–1.3 13.56N–.08 90.37W–.08 69–10 4.1b 271 1-147
UCR VIII 26 11 13 35.4–1.6 13.44N 90.45W 14–5 4.2L,4.2b **¶601643025**
ISCJB VIII 26 11 13 37.0–.50 13.47N–.04 90.36W–.04 76–4 4.1b,4.2b
NEIC VIII 26 11 13 39.2–.90 13.54N 90.23W 77–8 4.3,4.2b
IDC VIII 26 11 13 40.3–1.4 13.87N 89.90W 85–9 3.9,3.8
ISC Event type fe.
UCR Error ellipse: s-maj=6.4km s-min=4.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.4km az=43.4.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=7.1km az=215.0. Felt [I] at Ahuachapan.
IDC Error ellipse: s-maj=34.0km s-min=8.9km az=45.0.
ISC VIII 26 22 34 51.5–.99 13.77N–.08 91.68W–.05 62–8 4.2b 85 1-146
ISCJB VIII 26 22 34 50.8–.70 13.85N–.07 91.64W–.05 63–5 4.2b **¶601643028**
UCR VIII 26 22 34 52.7–2.4 14.97N 91.15W 33–237 4.2b,3.7L
NEIC VIII 26 22 34 53.1–.78 13.91N 91.55W 64–6 4.2b,3.7L
IDC VIII 26 22 34 54.2–2.6 14.03N 91.58W 67–16 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=3.7km az=30.9.
UCR Error ellipse: s-maj=61.0km s-min=142.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.9km az=213.0.
IDC Error ellipse: s-maj=37.5km s-min=15.0km az=24.0.
ISC VIII 28 18 55 18.0–.98 13.78N–.09 91.02W–.06 60–10 56 1-146
ISCJB VIII 28 18 55 16.4–.75 13.78N–.07 91.03W–.06 64–11 3.8b **¶601755530**
UCR VIII 28 18 55 18.3–1.2 13.94N 90.87W 76–23 4.0L
NEIC VIII 28 18 55 18.2–1.1 13.82N 91.02W 59–12 4.1
IDC VIII 28 18 55 18.1–2.6 13.72N 91.05W 62–23 4.0L,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=4.5km az=35.1.
UCR Error ellipse: s-maj=21.7km s-min=13.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=21.6km s-min=7.5km az=218.0. Felt [I] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=22.7km s-min=15.9km az=10.0.
ISC IX 01 06 05 54.9–1.1 13.18N–.06 90.33W–.06 62–10 4.1b 228 1-147
UCR IX 01 06 05 50.5–.98 13.12N 90.42W 9–7 4.3L,4.1b **¶601684022**
ISCJB IX 01 06 05 53.8–.53 13.11N–.03 90.22W–.04 67–4 4.0b,4.1b
NEIC IX 01 06 05 53.6–.51 13.22N 90.21W 35 4.4,4.1b
IDC IX 01 06 05 57.0–1.8 13.59N 89.84W 75–15 3.9,3.8
ISC Event type fe.
UCR Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.4km az=147.4.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.9km az=202.0. Felt [I] at Ahuachapan.
IDC Error ellipse: s-maj=31.1km s-min=11.2km az=47.0.
ISC IX 02 11 42 33.3–1.1 14.0N–.10 91.84W–.07 54 3.3b 10 2-146
ISCJB IX 02 11 42 31.0–1.2 13.9N–.10 91.89W–.07 54 3.6b **¶601862783**
IDC IX 02 11 42 32.4–2.9 13.84N 91.78W 52–27 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=9.1km az=13.9.
IDC Error ellipse: s-maj=26.2km s-min=18.7km az=163.0.
ISC IX 05 22 07 54.5–1.4 13.58N–.08 91.23W–.05 46–13 4.0b 69 2-147
UCR IX 05 22 07 50.0–1.1 13.54N 91.45W 36–999 4.1b,4.0L **¶601702864**
MEX IX 05 22 07 52.4–.48 13.74N 91.05W 110–21 3.9,4.0L
IDC IX 05 22 07 53.0–4.2 13.53N 90.99W 33–28 4.1,4.0
NEIC IX 05 22 07 53.2–1.1 13.44N 91.26W 35 4.1b,3.9
ISC Event type se.
UCR Error ellipse: s-maj=15.2km s-min=10.1km az=-1.0.
MEX Error ellipse: s-maj=10.1km s-min=18.1km az=-1.0.
IDC Error ellipse: s-maj=32.2km s-min=18.9km az=46.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.4km az=24.0.
MEX IX 07 01 35 16.6–.73 13.92N 91.22W 97–44 4.0
¶603514372
MEX Error ellipse: s-maj=24.0km s-min=32.8km az=-1.0.
UCR IX 08 20 38 48.3–1.8 13.75N 90.98W 18–7 3.9L
¶603790862
UCR Error ellipse: s-maj=15.3km s-min=7.3km az=-1.0.
MEX IX 09 17 03 54.9–.98 13.87N 91.24W 68–37 3.9
¶603514398
MEX Error ellipse: s-maj=16.4km s-min=18.3km az=-1.0.
ISC IX 13 05 46 12.8–1.1 13.93N–.08 91.04W–.07 60–11 4.0b 71 1-146
ISCJB IX 13 05 46 11.6–.62 13.91N–.06 91.06W–.05 76–6 3.9b **¶601715691**
UCR IX 13 05 46 12.8–1.3 13.74N 90.97W 20–7 4.2b,4.1L
NEIC IX 13 05 46 13.4–.73 14.02N 91.02W 65–9 4.2b,4.1L
IDC IX 13 05 46 13.0–2.0 13.90N 91.08W 68–16 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=4.3km az=37.6.
UCR Error ellipse: s-maj=11.2km s-min=5.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=5.7km az=216.0. Felt at Mixco.
IDC Error ellipse: s-maj=21.8km s-min=12.6km az=30.0.
MEX IX 17 14 18 45.8–.37 13.63N 91.80W 18–134 3.7
¶603514496
MEX Error ellipse: s-maj=103.2km s-min=44.9km az=-1.0.
ISC IX 20 09 29 51.4–1.1 13.96N–.08 91.02W–.08 81–10 4.1b 95 1-146
ISCJB IX 20 09 29 49.9–.60 13.90N–.05 91.09W–.04 79–5 4.0b **¶601735807**
UCR IX 20 09 29 50.4–1.5 13.65N 91.00W 12–13 4.1L,4.1b
NEIC IX 20 09 29 51.7–.65 13.99N 91.01W 73–7 4.2,4.1b
IDC IX 20 09 29 51.6–1.9 14.07N 90.85W 79–15 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.4km az=36.0.
UCR Error ellipse: s-maj=17.6km s-min=12.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.8km az=215.0. Felt [I] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=32.2km s-min=14.4km az=46.0.
MEX IX 21 14 30 09.3–.68 13.99N 91.10W 79–33 3.8
¶603514559
MEX Error ellipse: s-maj=16.2km s-min=21.3km az=-1.0.
MEX IX 22 09 17 41.0–.49 13.94N 91.88W 22–35 3.6
¶603514572
MEX Error ellipse: s-maj=7.0km s-min=14.9km az=-1.0.
MEX IX 23 04 13 06.8–.60 13.94N 91.51W 23–14 4.0
¶603514592
MEX Error ellipse: s-maj=8.7km s-min=11.4km az=-1.0.
MEX IX 23 05 10 51.1–.66 13.85N 91.32W 20 4.0
¶603514593
MEX Error ellipse: s-maj=10.4km s-min=12.1km az=-1.0.
MEX IX 23 07 44 27.0–.57 13.79N 91.69W 14–244 3.7
¶603514595
MEX Error ellipse: s-maj=181.4km s-min=92.4km az=-1.0.
MEX IX 23 08 10 27.1–.48 13.53N 91.29W 44–73 4.0
¶603514596
MEX Error ellipse: s-maj=13.2km s-min=12.1km az=-1.0.
MEX IX 23 10 02 52.4–.63 13.80N 91.28W 20–49 4.0
¶603514599
MEX Error ellipse: s-maj=34.2km s-min=51.3km az=-1.0.
MEX IX 23 11 21 13.5–.49 13.82N 91.36W 10 3.8
¶603514600
MEX Error ellipse: s-maj=8.6km s-min=10.2km az=-1.0.
ISC X 06 05 52 48.5–3.0 13.09N–.08 91.03W–.05 8–17 4.0b,3.4s 86 2-147
UCR X 06 05 52 48.0–1.6 13.19N 91.15W 18–232 4.0b,3.8L **¶601901418**
IDC X 06 05 52 52.1–.89 15.52N 88.73W 0 4.0,3.9L
NEIC X 06 05 52 52.8–.68 13.12N 90.86W 35 4.0b,3.9L
ISC Event type se.
UCR Error ellipse: s-maj=43.6km s-min=141.5km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=13.6km az=176.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=211.0.
ISC X 08 00 23 22.5–1.1 13.43N–.09 91.35W–.09 28 3.1s 9 2-147
IDC X 08 00 23 17.9–1.8 13.37N 91.38W 0 4.0,3.7L **¶601997435**
ISCJB X 08 00 23 19.4–1.2 13.24N–.09 91.46W–.08 28 3.8b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC X 09 07 50 15.3–1.4 13.71N–.09 91.19W–.08 60–13 4.0b 107 1-147
IDC X 09 07 50 06.7–1.2 13.54N 91.30W 0 4.0,3.8L **¶601804039**
ISCJB X 09 07 50 12.7–.64 13.59N–.05 91.31W–.04 55–6 4.2s,4.1b
UCR X 09 07 50 13.7–1.8 13.69N 91.17W 17–19 4.1L,4.1b
NEIC X 09 07 50 13.6–.58 13.68N 91.31W 35 4.1b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=20.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=32.9.
UCR Error ellipse: s-maj=15.7km s-min=14.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.7km az=210.0.
ISC X 17 01 26 38.0–.70 13.81N–.08 91.38W–.06 73 4.4b 281 1-146
NEIC X 17 01 26 40.2–.70 14.02N 91.29W 70–7 4.4b **¶601837353**
IDC X 17 01 26 42.0–2.3 13.93N 91.16W 106–16 4.3,4.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.3km az=206.0. Felt at Quetzaltenango.
IDC Error ellipse: s-maj=31.5km s-min=21.0km az=54.0.
MEX X 22 11 58 52.0–.44 13.81N 91.03W 25–20 4.0
¶603775996
MEX Error ellipse: s-maj=12.6km s-min=13.6km az=-1.0.
IDC X 23 16 57 53.0–2.9 13.45N 91.34W 0 3.9,3.6b
¶601999389
IDC Error ellipse: s-maj=47.5km s-min=30.3km az=154.0.
ISC XI 02 12 18 29.1–1.1 13.2N–.10 90.64W–.08 38 3.9b 41 1-147
IDC XI 02 12 18 20.9–1.7 12.93N 90.23W 0 4.1,3.8 **¶602037393**
ISCJB XI 02 12 18 27.1–1.0 13.0N–.10 90.70W–.04 38 3.8b,3.1s
UCR XI 02 12 18 29.5–.93 13.21N 90.56W 22–10 4.2b,3.6L
NEIC XI 02 12 18 30.4–1.5 13.14N 90.49W 54–10 4.2b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=21.5km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=4.8km az=11.8.
UCR Error ellipse: s-maj=16.5km s-min=9.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.1km az=209.0.
ISC XI 02 14 08 06.5–1.1 13.2N–.20 90.6W–.20 38 3.8b,3.2s 9 2-147
IDC XI 02 14 08 06.6–4.6 13.44N 90.40W 35–30 3.9,3.7 **¶602388721**
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=24.7km az=44.0.
ISC XI 04 19 12 55.8–.99 13.92N–.07 91.44W–.05 77–8 4.5b 323 1-148
ISCJB XI 04 19 12 55.7–.47 13.90N–.04 91.39W–.03 92–4 4.5b **¶601871341**
SNET XI 04 19 12 56.0–.00 13.94N 91.42W 35 4.5b
NEIC XI 04 19 12 56.2–.65 13.98N 91.36W 73–5 4.7,4.6b
UCR XI 04 19 12 57.1–1.7 13.44N 91.36W 35–999 4.6b,4.3L
IDC XI 04 19 13 01.9–1.1 14.46N 90.81W 109–8 4.4,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=36.7.
SNET Event type se.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.5km az=213.0. Felt at Antigua Guatemala and San Marcos La Laguna. Felt [II] at San Salvador, El Salvador.
UCR Error ellipse: s-maj=55.0km s-min=22.4km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=10.9km az=47.0.
ISC XI 05 12 21 26.0–.91 13.80N–.07 90.64W–.06 76–8 4.2b 257 1-147
IDC XI 05 12 21 24.9–1.8 13.67N 90.76W 69–15 4.0,4.0 **¶602054255**
ISCJB XI 05 12 21 25.3–.40 13.76N–.04 90.65W–.03 85–3 4.1b,4.0
UCR XI 05 12 21 25.2–.79 13.66N 90.69W 23–4 4.3L,4.3b
NEIC XI 05 12 21 26.0–.52 13.77N 90.63W 74–5 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=9.9km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=31.7.
UCR Error ellipse: s-maj=10.1km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=215.0.
MEX XI 07 00 56 34.6–.43 13.88N 91.48W 20–37 3.7
¶603826554
MEX Error ellipse: s-maj=6.8km s-min=9.9km az=-1.0.
ISC XI 07 17 04 05.2–1.0 13.93N–.05 91.92W–.05 44–9 4.9b 712 1-147
UCR XI 07 17 03 59.6–1.1 13.83N 92.34W 34–999 4.9b,4.4L **¶601879565**
MEX XI 07 17 04 02.8–.52 13.68N 92.21W 20–17 3.5,4.4L
NEIC XI 07 17 04 04.2–.23 13.81N 91.75W 35 4.9b,4.4L
IDC XI 07 17 04 04.3–3.4 14.02N 91.58W 33–25 4.9L,4.6
MOS XI 07 17 04 06.5–.94 14.02N 91.65W 67 5.1b,4.6
ISCJB XI 07 17 04 08.2–.45 14.01N–.02 91.68W–.02 86–4 4.9b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 07 20 04 58.2–4.8 13.58N 91.92W 0 3.8,3.7L
¶602388981
IDC Error ellipse: s-maj=437.2km s-min=67.9km az=47.0.
MEX XI 08 14 55 32.2–.52 13.65N 91.96W 15–18 3.7
¶603826584
MEX Error ellipse: s-maj=5.8km s-min=15.5km az=-1.0.
ISC XI 08 18 58 18.7–.86 13.54N–.09 91.99W–.07 37 4.3b,4.1s 34 2-146
IDC XI 08 18 58 14.2–1.0 13.46N 91.94W 0 4.3,4.1 **¶602054281**
ISCJB XI 08 18 58 17.3–.70 13.56N–.07 92.00W–.06 37 4.4b,4.0s
MEX XI 08 18 58 17.0–.38 13.54N 92.01W 5 4.2,4.0s
NEIC XI 08 18 58 19.0–.92 13.58N 91.88W 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=14.5km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.6km az=36.7.
MEX Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.3km az=34.0.
ISC XI 08 20 21 55.9–2.3 13.6N–.10 90.85W–.07 26–17 40 1-5
UCR XI 08 20 21 57.6–1.2 13.57N 90.76W 21–5 4.1L,4.1 **¶603791066**
MEX XI 08 20 22 01.4–.46 13.85N 90.85W 16–20 3.8,4.1
ISC Event type ke.
UCR Error ellipse: s-maj=8.3km s-min=5.7km az=-1.0.
MEX Error ellipse: s-maj=9.7km s-min=10.6km az=-1.0.
MEX XI 09 23 29 20.1–.49 13.88N 91.72W 28–13 3.8

¶603826611
MEX Error ellipse: s-maj=6.2km s-min=12.1km az=-1.0.
MEX XI 10 06 57 43.2–.50 13.94N 91.72W 24–20 3.7
¶603826620
MEX Error ellipse: s-maj=9.7km s-min=17.9km az=-1.0.
ISC XI 11 04 57 49.8–.69 13.89N–.09 91.69W–.07 61 4.4b 81 1-146
IDC XI 11 04 57 42.3–1.3 13.71N 91.94W 0 4.3,4.3 ¶601883926
MEX XI 11 04 57 45.0–.33 13.94N 91.77W 128–10 3.9,4.3
NEIC XI 11 04 57 47.5–2.1 13.88N 91.67W 29–16 4.4b,4.3
ISCJB XI 11 04 57 49.0–.52 13.88N–.07 91.69W–.05 61 4.4b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 05 40 08.5–1.4 13.83N–.08 91.82W–.07 43–12 4.4b 255 1-146
UCR XI 11 05 40 06.5–.90 13.76N 91.76W 18–13 4.5b,3.8L ¶602054306
NEIC XI 11 05 40 08.6–.41 13.86N 91.68W 35 4.5b,3.8
MEX XI 11 05 40 10.5–.29 14.04N 92.07W 80–7 3.8,3.8
IDC XI 11 05 40 12.0–2.3 13.81N 91.51W 80–18 4.2,4.2
ISC Event type fe.
UCR Error ellipse: s-maj=19.7km s-min=9.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=202.0. Felt at Totonicapan.
MEX Error ellipse: s-maj=6.8km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=15.9km az=46.0.
IDC XI 11 22 46 00.5–9.6 13.50N 91.78W 33–60 4.2,3.9
¶602389246
IDC Error ellipse: s-maj=74.8km s-min=51.9km az=176.0.
ISC XI 11 23 40 31.8–.83 13.39N–.08 91.65W–.09 28 4.0b 12 2-147
IDC XI 11 23 40 28.2–2.7 13.41N 91.73W 0 4.1,4.1s ¶601991735
ISCJB XI 11 23 40 29.8–.74 13.30N–.07 91.83W–.08 28 4.0b,4.0s
NEIC XI 11 23 40 32.8–.60 13.45N 91.68W 35 4.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=30.5km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=8.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.3km az=56.0.
MEX XI 16 12 06 01.4–.26 13.51N 91.85W 26–13 3.7
¶603826743
MEX Error ellipse: s-maj=4.0km s-min=11.9km az=-1.0.
ISC XI 17 23 39 14.1–1.2 13.6N–.10 91.57W–.09 28 3.8b 24 1-147
IDC XI 17 23 39 10.2–1.3 13.47N 91.56W 0 4.0,3.7 ¶602059970
ISCJB XI 17 23 39 11.7–.93 13.44N–.09 91.64W–.10 28 3.8b,3.3s
MEX XI 17 23 39 14.0–.84 13.40N 91.66W 16–270 4.0,3.3s
NEIC XI 17 23 39 14.0–.00 13.46N 91.66W 8 4.0,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=15.9km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=6.4km az=137.8.
MEX Error ellipse: s-maj=206.5km s-min=92.9km az=-1.0.
NEIC Event type se. After MEX.
IDC XI 19 04 56 37.3–10 13.08N 91.66W 0 4.1,4.1s
¶602389640
IDC Error ellipse: s-maj=336.8km s-min=127.3km az=34.0.
UCR XI 21 16 52 25.6–1.0 13.27N 90.02W 35–999 3.6,3.4L
¶605657194
UCR Error ellipse: s-maj=10.4km s-min=5.5km az=-1.0.
MEX XI 22 19 55 45.1–.39 13.58N 90.23W 10 3.8
¶603826799
MEX Error ellipse: s-maj=39.8km s-min=33.9km az=-1.0.
ISC XI 30 03 45 22.2–1.5 13.6N–.10 91.4W–.10 28 3.7b 14 2-63
MEX XI 30 03 45 21.3–.44 13.40N 91.48W 74–47 4.0 ¶602390218
IDC XI 30 03 45 22.5–4.7 13.50N 91.20W 33–32 3.8,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=22.0km s-min=20.9km az=-1.0.
IDC Error ellipse: s-maj=35.7km s-min=28.5km az=50.0.
MEX XI 30 14 27 37.4–.68 13.87N 91.57W 15–195 3.9
¶603826896
MEX Error ellipse: s-maj=136.9km s-min=90.9km az=-1.0.
MEX XI 30 15 59 45.0–.69 13.76N 91.84W 12–283 3.7
¶603826900
MEX Error ellipse: s-maj=217.4km s-min=94.9km az=-1.0.
ISC XII 03 12 28 35.2–.93 13.52N–.06 90.50W–.05 61–8 4.4b 538 1-147
IDC XII 03 12 28 32.3–2.2 13.62N 90.11W 35–14 4.2,4.2 ¶601995968
ISCJB XII 03 12 28 35.4–.31 13.51N–.02 90.40W–.02 79–3 4.3b,4.2
UCR XII 03 12 28 35.1–1.6 13.45N 90.49W 34–6 4.8L,4.4b
NEIC XII 03 12 28 36.4–.41 13.50N 90.38W 72–4 4.9,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=12.9km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=40.5.
UCR Error ellipse: s-maj=5.3km s-min=6.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=216.0. Felt at Antigua Guatemala, Chichicastenango, Jocotenango, Panajachel, Santa Elena Barillas and Santiago Atitlan. Felt [III] at San Salvador, El Salvador.
ISC XII 05 07 40 13.9–1.2 13.66N–.10 91.47W–.07 58–12 4.0b 73 1-146
IDC XII 05 07 40 11.5–5.1 13.69N 91.27W 35–33 3.9,3.9L ¶602330181
ISCJB XII 05 07 40 12.9–.78 13.59N–.07 91.49W–.04 66–8 3.9b,3.9L
UCR XII 05 07 40 13.8–1.6 13.68N 91.37W 20–16 4.0b,3.7L
NEIC XII 05 07 40 16.0–.68 13.75N 91.31W 74–6 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=22.7km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.7km az=23.2.
UCR Error ellipse: s-maj=10.1km s-min=11.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=4.8km az=213.0.
ISC XII 05 11 01 47.0–.87 13.14N–.08 90.57W–.06 24 3.6b,3.5s 34 1-147
UCR XII 05 11 01 44.3–1.2 12.88N 90.79W 28 3.2L,3.5s ¶602390497
IDC XII 05 11 01 49.0–3.4 13.28N 90.35W 34–22 3.7,3.6
ISC Event type ke.
UCR Error ellipse: s-maj=7.7km s-min=10.4km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=13.8km az=46.0.
ISC XII 10 22 20 38.3–.89 13.58N–.09 91.55W–.06 28 4.0b 33 2-147
IDC XII 10 22 20 34.0–.97 13.57N 91.61W 0 4.2,4.0b ¶602391032
UCR XII 10 22 20 36.2–1.4 13.51N 91.82W 42 3.7L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=15.2km az=49.0.
UCR Error ellipse: s-maj=13.0km s-min=9.1km az=-1.0.
ISC XII 10 23 56 16.6–.81 13.72N–.09 91.53W–.08 28 4.2b,3.6s 80 1-146
IDC XII 10 23 56 10.6–1.2 13.50N 91.65W 0 4.2,4.0b ¶602035767
ISCJB XII 10 23 56 15.0–.58 13.62N–.08 91.57W–.04 28 4.2b,3.7s
UCR XII 10 23 56 15.8–1.4 13.75N 91.54W 19–23 4.3b,3.4L
NEIC XII 10 23 56 15.8–4.0 13.67N 91.53W 18–26 4.3b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=19.0km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=3.8km az=21.8.
UCR Error ellipse: s-maj=37.1km s-min=22.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.2km az=210.0.
ISC XII 11 04 26 10.1–1.4 13.3N–.10 91.50W–.09 28 3.7b,2.8s 9 2-64
IDC XII 11 04 26 05.6–3.7 13.20N 91.58W 0 4.1,3.8 ¶602391067
ISC Event type ke.
IDC Error ellipse: s-maj=58.1km s-min=31.9km az=162.0.
ISC XII 11 10 04 15.2–1.1 13.6N–.10 91.9W–.10 35 3.8b 13 2-146
ISCJB XII 11 10 04 12.4–1.4 13.5N–.20 92.0W–.10 35 3.9b ¶602391082
IDC XII 11 10 04 13.1–8.0 13.39N 91.34W 35–45 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=9.8km az=34.6.
IDC Error ellipse: s-maj=63.9km s-min=36.8km az=168.0.
ISC XII 11 10 28 21.7–.68 13.76N–.07 91.80W–.06 37–1 4.3b 415 1-146
IDC XII 11 10 28 20.1–5.2 13.56N 91.60W 34–35 4.4,4.4 ¶602342554
UCR XII 11 10 28 20.8–1.1 13.74N 91.74W 17–15 4.4b,4.2
NEIC XII 11 10 28 22.7–.36 13.80N 91.67W 35 4.4b,4.0
MEX XII 11 10 28 23.5–.70 13.76N 92.20W 34–70 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=22.8km az=30.0.
UCR Error ellipse: s-maj=17.6km s-min=11.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.7km az=203.0.
MEX Error ellipse: s-maj=23.7km s-min=27.0km az=-1.0.
ISC XII 11 10 57 38.0–1.0 13.5N–.10 92.0W–.10 37 3.4b 11 2-91
IDC XII 11 10 57 32.8–1.7 13.42N 91.87W 0 3.7,3.5 ¶602391084
ISCJB XII 11 10 57 35.8–1.2 13.3N–.20 91.9W–.10 37 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 13 21 26 43.9–.71 13.04N–.04 90.05W–.04 46–5 5.4b,5.0s 1753 1-164
NEIC XII 13 21 26 39.2–.13 13.07N 89.97W 10 5.5b,5.3W ¶602043440
MOS XII 13 21 26 42.8–.84 13.17N 89.92W 50 5.6b,5.0s
UCR XII 13 21 26 42.9–2.5 12.88N 90.16W 32–10 5.5b,4.9
GCMT XII 13 21 26 43.2–.10 12.87N–.01 90.53W–.01 14–0 5.4W,4.9
ISCJB XII 13 21 26 45.5–.24 13.18N–.01 89.89W–.02 75–2 5.3b,4.9
IDC XII 13 21 26 45.5–1.8 13.29N 89.76W 56–15 5.1,5.0
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=39.0. Felt at Acajutla. Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ67.00000°,λ88.00000°. NP2: ϕ_s315.00000°,δ23.00000°,λ95.00000°. Principal axes: T 1.0900,Plg68.0000°,Azm36.0000° ; N -0.0800,Plg2.0000°,Azm131.0000°; P -1.0100,Plg22.0000°,Azm222.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=96.7.
UCR Error ellipse: s-maj=4.2km s-min=14.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c172; s119,c212;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$0.59±.04; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.59±.04; Best double couple: NP1:ϕ_s126.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s283.00000°,δ30.00000°,λ70.00000°. Principal axes: T 1.4960,Plg71.0000° ,Azm61.0000°; N 0.0320,Plg10.0000°,Azm301.0000°; P -1.5260,Plg16.0000°,Azm208.0000° $M_0$1.51100×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.8km az=139.7.
IDC Error ellipse: s-maj=15.3km s-min=7.9km az=52.0.
ISC XII 14 04 15 20.4–1.7 14.00N–.09 91.97W–.06 32–10 4.3b 121 1-146
UCR XII 14 04 15 17.8–1.5 13.51N 92.19W 34–999 4.4b,3.8L ¶602043483
ISCJB XII 14 04 15 19.4–.77 13.93N–.07 92.03W–.05 33–6 4.3b,3.8L
IDC XII 14 04 15 19.6–5.2 13.79N 91.85W 33–32 4.1,4.1
NEIC XII 14 04 15 21.7–.86 13.95N 91.95W 37–6 4.4b,4.3
MEX XII 14 04 15 22.0–.83 13.97N 92.09W 15–222 4.3,4.3
ISC Event type se.
UCR Error ellipse: s-maj=49.4km s-min=18.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=3.7km az=34.4.
IDC Error ellipse: s-maj=39.7km s-min=18.7km az=20.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=5.4km az=213.0.
MEX Error ellipse: s-maj=176.4km s-min=59.4km az=-1.0.
MEX XII 15 03 18 06.3–.34 13.59N 91.98W 71–34 3.8
¶603932052
MEX Error ellipse: s-maj=13.3km s-min=12.2km az=-1.0.
ISC XII 15 22 14 29.3–2.7 13.9N–.10 91.94W–.08 15–14 4.1b 44 1-146
IDC XII 15 22 14 26.4–.92 13.65N 91.99W 0 4.2,3.9L ¶602340348
UCR XII 15 22 14 28.3–1.4 14.14N 92.23W 70–261 4.4b,3.3L
MEX XII 15 22 14 31.5–.74 13.78N 92.23W 20 4.2,3.3L
NEIC XII 15 22 14 31.4–.82 13.75N 92.02W 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=15.1km az=8.0.
UCR Error ellipse: s-maj=32.2km s-min=35.9km az=-1.0.
MEX Error ellipse: s-maj=8.1km s-min=14.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.5km az=224.0.
ISC XII 16 16 09 24.5–.99 13.7N–.10 91.4W–.10 28 3.6b 12 2-146
IDC XII 16 16 09 19.6–1.2 13.55N 91.58W 0 3.9,3.7 ¶602391475
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=16.2km az=134.0.
ISC XII 21 07 05 08.9–.97 13.3N–.10 91.92W–.07 37 4.3b 57 2-147
IDC XII 21 07 05 04.9–3.1 13.39N 91.90W 0 4.0,3.7 ¶602055691
ISCJB XII 21 07 05 07.6–.92 13.4N–.10 91.95W–.04 37 4.1b,3.7
UCR XII 21 07 05 08.8–1.7 13.58N 91.78W 10–39 4.3b,3.4L
NEIC XII 21 07 05 09.7–1.4 13.48N 91.83W 35 4.3b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=55.6km s-min=29.5km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=4.7km az=12.7.
UCR Error ellipse: s-maj=20.9km s-min=37.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=11.7km az=188.0.
ISC XII 22 05 54 01.3–.68 13.69N–.10 91.54W–.08 28 4.2b,3.6s 88 1-146
IDC XII 22 05 53 56.5–1.1 13.60N 91.49W 0 4.2,3.9 ¶602217341
ISCJB XII 22 05 54 01.0–.59 13.77N–.08 91.50W–.05 28 4.2b,3.6s
NEIC XII 22 05 54 03.7–.55 13.76N 91.47W 35 4.3b,3.6s
MEX XII 22 05 54 04.6–.47 14.27N 91.41W 104–8 4.2,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.6km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.8km az=28.8.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.4km az=208.0.
MEX Error ellipse: s-maj=8.2km s-min=11.5km az=-1.0.
IDC XII 22 13 11 51.7–3.5 13.75N 91.84W 0 3.7,3.5
¶602391865
IDC Error ellipse: s-maj=55.5km s-min=15.7km az=158.0.
ISC XII 24 05 04 38.4–.86 13.3N–.10 90.7W–.10 38 3.7b 14 2-147
IDC XII 24 05 04 32.8–1.1 13.16N 90.56W 0 4.0,3.7 ¶602391968
ISCJB XII 24 05 04 36.1–1.4 13.3N–.30 90.6W–.20 38 3.8b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 26 01 06 37.4–1.0 13.1N–.10 90.7W–.10 24 3.9b 16 2-64
IDC XII 26 01 06 32.8–1.1 12.90N 90.75W 0 4.0,3.8 ¶602380609
ISCJB XII 26 01 06 34.5–1.0 12.9N–.20 90.8W–.10 24 3.8b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 28 13 20 03.9–1.1 13.6N–.10 91.41W–.08 28 3.6b 12 2-147
IDC XII 28 13 19 59.1–1.8 13.49N 91.57W 0 3.9,3.6 ¶602380781
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=24.3km az=29.0.
ISC XII 28 13 27 35.4–.53 13.74N–.06 91.59W–.05 10 4.7b,3.8s 423 1-146
ISCJB XII 28 13 27 34.2–.23 13.89N–.03 91.46W–.02 10 4.6b,4.0s ¶602060893
UCR XII 28 13 27 35.5–1.4 14.02N 91.69W 57–151 4.6b,4.2L
IDC XII 28 13 27 36.7–4.8 13.70N 91.27W 33–32 4.9L,4.4
MEX XII 28 13 27 37.3–.61 13.64N 91.84W 4 4.4,4.4
NEIC XII 28 13 27 40.9–.46 13.78N 91.30W 60–4 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.2km az=26.0.
UCR Error ellipse: s-maj=78.8km s-min=23.1km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=14.2km az=38.0.
MEX Error ellipse: s-maj=9.3km s-min=14.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=223.0.
ISC XII 28 14 05 28.2–2.4 13.73N–.07 91.55W–.06 15–14 4.2b 65 2-146
UCR XII 28 14 05 32.3–2.3 14.24N 91.41W 20–999 4.3b,4.1L ¶602064200
NEIC XII 28 14 05 34.5–2.3 13.76N 91.50W 45–23 4.3b,4.1L
IDC XII 28 14 05 37.2–2.1 14.02N 90.89W 85–16 4.0,4.0
ISC Event type se.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=35.9km s-min=10.3km az=48.0.
IDC Error ellipse: s-maj=35.4km s-min=15.4km az=48.0.
MEX XII 28 22 20 31.8–.43 13.86N 91.99W 20–288 3.9
¶603932171
MEX Error ellipse: s-maj=229.3km s-min=85.5km az=-1.0.
ISC XII 29 02 43 25.0–1.8 13.99N–.09 91.52W–.06 27–11 4.2b 89 1-146
UCR XII 29 02 43 21.8–1.0 13.91N 91.70W 35–999 4.2b,4.1L ¶602324119
ISCJB XII 29 02 43 23.4–1.1 14.03N–.07 91.44W–.05 18–8 4.2b,4.1L
IDC XII 29 02 43 23.4–5.2 13.65N 91.30W 34–38 4.0,3.9
MEX XII 29 02 43 26.0–.54 13.92N 91.72W 79–13 4.2,3.9
NEIC XII 29 02 43 26.2–2.5 14.14N 91.31W 24–21 4.2,4.2b
ISC Event type se.
UCR Error ellipse: s-maj=274.6km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=3.7km az=28.7.
IDC Error ellipse: s-maj=41.6km s-min=28.7km az=60.0.
MEX Error ellipse: s-maj=9.9km s-min=11.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=7.3km az=209.0.
ISC XII 31 17 47 24.4–.81 13.66N–.10 91.85W–.08 37 4.3b,3.4s 58 1-146

ISCJB XII 31 17 47 22.8–.70 13.60N–.09 91.92W–.05 37 4.2b,3.5s ¶602380509
NEIC XII 31 17 47 22.8–2.8 13.56N 91.80W 27–20 4.4b,4.0
IDC XII 31 17 47 24.0–4.2 13.75N 91.58W 32–29 4.1,4.0
MEX XII 31 17 47 34.1–.70 14.46N 92.16W 67–27 4.0,4.0
UCR XII 31 17 47 51.2–1.5 13.68N 89.88W 32–15 4.4b,3.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=4.7km az=25.7.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.5km az=215.0.
IDC Error ellipse: s-maj=36.7km s-min=16.5km az=44.0.
MEX Error ellipse: s-maj=22.4km s-min=42.0km az=-1.0.
UCR Error ellipse: s-maj=37.6km s-min=48.7km az=-1.0.

(730) Northern East Pacific Rise.

IDC VIII 17 19 33 30.2–7.9 8.23N 104.21W 0 4.0,3.6 ¶601766010
IDC Error ellipse: s-maj=344.2km s-min=61.6km az=105.0.
ISC VIII 17 19 41 07.0–.98 8.5N–.10 103.2W–.10 19 4.3b,3.6s 40 10-145
ISCJB VIII 17 19 41 04.5–.86 8.48N–.10 103.27W–.09 19 4.3b,3.6s ¶601615446
NEIC VIII 17 19 41 05.4–.73 8.49N 103.23W 10 4.3b,3.6s
IDC VIII 17 19 41 05.2–1.0 8.50N 103.19W 0 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.5km az=40.3.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.2km az=56.0.
IDC Error ellipse: s-maj=39.3km s-min=21.5km az=60.0.
ISC VIII 17 21 27 54.9–.47 8.34N–.06 103.10W–.07 19 5.0s,5.0b 966 10-176
IDC VIII 17 21 27 51.3–.63 8.36N 103.34W 0 4.9s,4.9 ¶601565313
ISCJB VIII 17 21 27 52.2–.28 8.48N–.03 102.90W–.02 10 5.0s,5.0b
MOS VIII 17 21 27 52.3–.92 8.43N 103.02W 10 5.1b,5.0s
NEIC VIII 17 21 27 53.7–.20 8.35N 103.00W 10 5.1s,5.0b
GCMT VIII 17 21 27 55.7–.10 8.47N–.01 103.13W–.01 12 5.5W,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c195; s123,c241;Duration: 1♀3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00±.02 $M_{\theta\theta}$0.57±.03; $M_{\phi\phi}$-0.57±.03; $M_{r\theta}$0.20±.05; $M_{\theta\phi}$-1.96±.02; $M_{\phi r}$-0.10±.06; Best double couple: NP1:ϕ_s82.00000°,δ87.00000°,λ175.00000°. NP2:ϕ_s172.00000°,δ85.00000°,λ3.00000°. Principal axes: T 2.0630,Plg6.0000°,Azm37.0000° ; N -0.0170,Plg84.0000°,Azm228.0000°; P -2.0460,Plg1.0000°,Azm127.0000° $M_0$2.05500×10^{17}
IDC VIII 20 06 34 03.8–2.8 8.34N 103.31W 0 4.1,3.8
GCMT VIII 20 06 34 07.0–.50 8.43N–.02 104.02W–.02 16–1 4.9W,3.8 ¶601615455
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s72,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.10 $M_{\theta\theta}$0.30±.09; $M_{\phi\phi}$-0.09±.09; $M_{r\theta}$-1.42±.35; $M_{\theta\phi}$-1.99±.09; $M_{\phi r}$0.51±.27; Best double couple: NP1:ϕ_s269.00000°,δ87.00000° ,λ146.00000°. NP2:ϕ_s0.00000°,δ56.00000°,λ3.00000°. Principal axes: T 2.7750,Plg26.0000° ,Azm219.0000°; N -0.6540,Plg56.0000°,Azm85.0000°; P -2.1210,Plg21.0000° ,Azm320.0000° $M_0$2.44800×10^{16}
IDC VIII 20 07 29 10.3–2.6 8.56N 103.34W 0 4.1,3.7
GCMT VIII 20 07 29 09.0–.70 8.24N–.04 104.11W–.03 25–2 4.9W,3.7 ¶601615456
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s72,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06±.14 $M_{\theta\theta}$0.95±.12; $M_{\phi\phi}$-0.88±.13; $M_{r\theta}$-1.20±.29; $M_{\theta\phi}$-1.69±.10; $M_{\phi r}$1.56±.32; Best double couple: NP1:ϕ_s343.00000°,δ87.00000° ,λ43.00000°. NP2:ϕ_s250.00000°,δ47.00000°,λ176.00000°. Principal axes: T 3.0620,Plg31.0000°,Azm216.0000°; N -0.7960,Plg47.0000°,Azm346.0000° ; P -2.2660,Plg27.0000°,Azm108.0000° $M_0$2.66400×10^{16}

SEISMIC REGION 6.
Central America.

(72) Honduras.

UCR VII 09 15 59 59.1–1.3 13.09N 87.62W 177–7 3.6,3.4L ¶605658195
UCR Error ellipse: s-maj=13.8km s-min=7.3km az=-1.0.
IDC VII 31 23 53 19.3–1.7 14.23N 88.22W 0 3.8,3.8L ¶601650854
IDC Error ellipse: s-maj=70.9km s-min=22.4km az=45.0.
IDC VIII 04 03 32 27.9–2.0 14.49N 88.80W 0 3.6,3.4 ¶601765431
IDC Error ellipse: s-maj=82.1km s-min=28.7km az=39.0.
IDC VIII 08 19 33 19.7–5.9 14.92N 88.50W 0 3.8,3.4 ¶601765668
IDC Error ellipse: s-maj=273.7km s-min=65.8km az=34.0.
IDC VIII 27 18 18 11.1–1.9 13.48N 87.74W 0 3.8,3.5b ¶601766579
IDC Error ellipse: s-maj=93.1km s-min=28.8km az=44.0.
ISC IX 04 20 59 15.6–1.1 13.3N–.40 87.8W–.30 35 6 3-148
IDC IX 04 20 59 10.3–1.8 13.43N 87.70W 0 3.6,3.4 ¶601862946
ISCJB IX 04 20 59 13.1–1.1 13.4N–.30 87.7W–.30 33 3.3b,3.4
ISC Event type ke.
ISCJB Event type ke.
NEIC IX 28 05 03 33.0–.00 13.33N 87.82W 6 3.6 ¶601880045
NEIC Event type fe. Felt [II] at La Union. After SNET.
ISC X 05 05 27 59.6–.89 13.35N–.04 87.81W–.03 9–6 29 0-4
UCR X 05 05 27 59.8–1.7 13.35N 87.83W 3–6 3.6L ¶601901415
NEIC X 05 05 27 59.0–.00 13.33N 87.82W 6 3.6
ISCJB X 05 05 28 00.1–.57 13.38N–.03 87.82W–.03 2–5 3.6
ISC Event type fe.
NEIC Event type fe. Felt [III] at La Union. After SNET.
ISCJB Event type fe.
ISC X 05 05 31 27.4–.88 13.35N–.04 87.83W–.03 8–6 39 0-5
ISCJB X 05 05 31 27.5–.46 13.37N–.04 87.84W–.03 6–4 ¶601901416
UCR X 05 05 31 27.5–1.5 13.34N 87.83W 5–3 3.6L
NEIC X 05 05 31 28.1–1.1 13.38N 87.80W 10 3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.6km az=24.5.
UCR Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=10.2km az=55.0. Felt [III] at La Union, El Salvador.
ISC X 05 06 38 30.2–1.1 13.40N–.04 87.82W–.03 6–9 42 0-5
ISCJB X 05 06 38 30.7–.52 13.38N–.03 87.83W–.02 4–4 ¶601901417
UCR X 05 06 38 30.9–1.9 13.34N 87.83W 5–4 3.9L
NEIC X 05 06 38 31.8–1.1 13.40N 87.83W 10 3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.3km az=20.8.
UCR Error ellipse: s-maj=6.1km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.7km s-min=11.2km az=58.0. Felt [III] at La Union.
IDC X 08 00 23 55.5–1.2 15.38N 88.66W 0 4.0,4.0L ¶601836638
IDC Error ellipse: s-maj=27.5km s-min=16.8km az=177.0.
IDC X 14 11 53 45.9–1.8 13.85N 87.21W 0 4.0,3.6 ¶601998211
IDC Error ellipse: s-maj=189.5km s-min=32.5km az=53.0.
ISC X 29 02 02 01.3–.90 13.1N–.20 87.2W–.20 35 3.5b 8 4-66
IDC X 29 02 01 56.6–2.0 13.08N 87.36W 0 3.9,3.6 ¶602000188
ISCJB X 29 02 01 59.5–.81 13.1N–.20 87.2W–.20 33 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XII 15 09 44 08.7–1.9 14.42N 88.64W 0 3.9L,3.8 ¶602391375
IDC Error ellipse: s-maj=47.6km s-min=17.2km az=19.0.
IDC XII 24 22 52 27.6–5.4 13.14N 87.52W 0 3.6,3.3 ¶602392027
IDC Error ellipse: s-maj=147.9km s-min=91.0km az=47.0.

(73) El Salvador.

ISC VII 18 17 24 34.1–3.3 13.7N–.40 90.0W–.20 58 3.9b 7 6-147
IDC VII 18 17 24 27.0–3.2 13.61N 90.07W 0 4.1,3.8 ¶601664799
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=37.8km az=10.0.
ISC VII 23 19 36 57.9–1.3 13.17N–.09 89.62W–.07 57–9 4.2b,3.3s 82 1-147
ISCJB VII 23 19 36 57.6–.62 13.17N–.06 89.60W–.04 67–4 4.1b,3.3s ¶601666334
UCR VII 23 19 36 57.9–1.6 13.12N 89.62W 32–4 4.2L,4.2b
NEIC VII 23 19 36 57.8–1.0 13.33N 89.63W 40–7 4.4,4.2b
IDC VII 23 19 37 03.6–3.0 13.55N 88.97W 95–27 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=4.2km az=34.4.
UCR Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=21.9km s-min=9.2km az=209.0. Felt [III] at San Salvador.
IDC Error ellipse: s-maj=46.9km s-min=19.8km az=43.0.
ISC VII 28 16 30 38.6–1.1 13.28N–.07 89.58W–.07 63–7 4.1b 55 0-147
ISCJB VII 28 16 30 37.8–.69 13.25N–.07 89.61W–.05 66–5 4.0b ¶601519880
UCR VII 28 16 30 38.5–.88 13.19N 89.60W 36–1 4.2L
NEIC VII 28 16 30 39.3–1.6 13.44N 89.57W 35 4.3
IDC VII 28 16 30 42.9–2.9 13.60N 88.96W 92–31 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=6.0km az=35.5.
UCR Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=35.8km s-min=14.2km az=35.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=42.6km s-min=20.0km az=47.0.
UCR VII 31 00 21 09.3–1.4 13.68N 88.79W 6–3 4.0b,3.7L ¶605657138
UCR Error ellipse: s-maj=3.6km s-min=1.8km az=-1.0.
ISC VIII 10 16 51 02.3–1.2 13.50N–.08 89.83W–.08 72–9 57 0-35
ISCJB VIII 10 16 51 00.9–.68 13.46N–.07 89.86W–.06 82–6 4.1b ¶601734866
NEIC VIII 10 16 51 00.0–.00 13.54N 89.83W 76 4.3,4.2b
UCR VIII 10 16 51 02.1–1.2 13.54N 89.80W 78–7 4.2L,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.6km s-min=5.4km az=39.9.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
UCR Error ellipse: s-maj=6.6km s-min=5.5km az=-1.0.
UCR VIII 13 15 05 12.6–1.4 13.19N 89.35W 64–9 4.1L ¶603790785
UCR Error ellipse: s-maj=7.7km s-min=4.5km az=-1.0.
ISC VIII 15 23 45 54.7–.34 13.34N–.03 89.22W–.03 74–2 5.1b 1452 0-162
NEIC VIII 15 23 45 52.3–.19 13.15N 89.22W 56 5.6,5.5W ¶601564025
IDC VIII 15 23 45 52.6–.96 13.52N 88.90W 55–7 4.8,4.6
UCR VIII 15 23 45 53.5–2.0 13.26N 89.35W 71–10 5.3L,5.2b
ISCJB VIII 15 23 45 53.8–.18 13.25N–.02 89.27W–.02 83–1 5.0b,5.2b
BJI VIII 15 23 45 55.5 13.10N 89.20W 80 5.4s,5.2
GCMT VIII 15 23 45 55.3–.10 13.17N–.01 89.55W–.01 64–0 5.5W,5.2
MOS VIII 15 23 45 56.2–1.1 13.35N 89.09W 104 5.1b,4.5s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=38.0. Felt [V] at San Salvador and [IV] at Antiguo Cuscatlan, El Rosario, La Libertad, Nueva San Salvador and San Pedro Perulapan. Felt in much of El Salvador and at Antigua Guatemala and Villa Nueva, Guatemala. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.79 $M_{\theta\phi}$1.02 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s136.00000°,δ62.00000° ,λ73.00000°. NP2:ϕ_s349.00000°,δ33.00000°,λ119.00000°. Principal axes: T 1.7600,Plg69.0000°,Azm11.0000°; N 0.3700,Plg15.0000°,Azm144.0000° ; P -2.1300,Plg15.0000°,Azm238.0000° $M_0$2.00000×10^{17}
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=58.0.
UCR Error ellipse: s-maj=8.2km s-min=5.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.8km az=42.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c177; s111,c218;Duration: 1♀3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.03 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$-0.90±.03; $M_{r\theta}$1.01±.02; $M_{\theta\phi}$0.98±.02; $M_{\phi r}$-0.70±.02; Best double couple: NP1:ϕ_s128.00000°,δ67.00000°,λ73.00000°. NP2:ϕ_s347.00000°,δ28.00000°,λ125.00000°. Principal axes: T 1.6800,Plg64.0000° ,Azm10.0000°; N 0.3540,Plg16.0000°,Azm135.0000°; P -2.0320,Plg20.0000°,Azm231.0000° $M_0$1.85600×10^{17}
MOS Error ellipse: s-maj=8.7km s-min=4.2km az=105.4.
UCR VIII 16 00 28 52.9–2.4 13.05N 89.39W 40–58 3.8L ¶603790794
UCR Error ellipse: s-maj=14.9km s-min=9.9km az=-1.0.
ISC VIII 16 20 13 02.8–1.0 13.22N–.08 89.37W–.05 67–7 4.0b 87 0-147
ISCJB VIII 16 20 13 01.4–.54 13.14N–.05 89.39W–.04 70–4 3.9b ¶601765957
UCR VIII 16 20 13 02.2–1.4 13.20N 89.38W 64–8 4.1L,4.1b
IDC VIII 16 20 13 02.5–1.9 13.74N 88.88W 60–24 3.8,3.8L
NEIC VIII 16 20 13 03.4–.96 13.25N 89.29W 73–8 4.4,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=3.7km az=32.7.
UCR Error ellipse: s-maj=6.6km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=64.8km s-min=12.3km az=39.0.
NEIC Event type fe. Error ellipse: s-maj=20.3km s-min=8.1km az=215.0. Felt [III] at San Salvador.
ISC VIII 20 05 13 41.9–1.3 13.20N–.08 89.40W–.07 60–9 55 0-52
IDC VIII 20 05 13 39.2–2.4 14.28N 88.38W 0 3.8,3.6L ¶601766177
ISCJB VIII 20 05 13 41.3–.66 13.17N–.06 89.38W–.05 66–6 3.2b,3.6L
UCR VIII 20 05 13 42.5–1.4 13.24N 89.36W 56–7 4.0L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=153.1km s-min=29.9km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.8km az=36.6.
UCR Error ellipse: s-maj=5.4km s-min=4.3km az=-1.0.
ISC VIII 22 14 33 57.2–.96 13.56N–.08 88.83W–.04 63–6 42 0-138
UCR VIII 22 14 33 55.7–3.9 13.52N 88.81W 72–21 3.7L ¶601766306
IDC VIII 22 14 33 59.2–2.1 13.59N 88.91W 89–27 3.4,3.3
ISC Event type ke.
UCR Error ellipse: s-maj=25.0km s-min=10.1km az=-1.0.
IDC Error ellipse: s-maj=97.8km s-min=22.9km az=41.0.
IDC VIII 27 06 05 37.6–2.1 13.12N 88.13W 0 3.7,3.4 ¶601702424
IDC Error ellipse: s-maj=91.1km s-min=27.0km az=42.0.
ISC VIII 27 12 56 35.9–1.1 13.1N–.20 88.1W–.20 68 4.2b 33 1-148
IDC VIII 27 12 56 25.7–2.7 13.11N 87.49W 0 4.3,3.9b ¶601766569
NEIC VIII 27 12 56 33.2–.64 12.97N 88.29W 35 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=86.0km s-min=52.1km az=55.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.2km az=219.0.
IDC VIII 28 05 23 35.9–1.9 13.26N 88.03W 0 3.8,3.4 ¶601755499
IDC Error ellipse: s-maj=90.2km s-min=20.1km az=39.0.
UCR IX 05 14 30 57.8–1.6 13.23N 89.71W 50–12 3.5L,3.5 ¶603790850
UCR Error ellipse: s-maj=6.0km s-min=4.7km az=-1.0.
UCR IX 17 10 07 58.7–1.4 13.09N 89.23W 53–11 4.0L ¶603790898
UCR Error ellipse: s-maj=6.5km s-min=3.9km az=-1.0.
ISC IX 19 04 27 01.0–.75 13.03N–.06 88.75W–.04 70–6 4.1b 96 0-138
ISCJB IX 19 04 26 59.5–.49 12.95N–.05 88.81W–.04 70–3 4.0b ¶601734519
UCR IX 19 04 27 00.2–1.2 12.92N 88.86W 46–18 4.2L,4.1b
IDC IX 19 04 27 00.1–2.8 13.04N 88.68W 66–24 3.9,3.9
NEIC IX 19 04 27 02.9–.64 13.05N 88.62W 82–7 4.3,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=2.9km az=31.8.
UCR Error ellipse: s-maj=5.8km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=38.5km s-min=17.3km az=36.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.3km az=214.0. Felt [II] at San Salvador.
ISC IX 20 01 51 13.8–.58 13.31N–.05 89.85W–.05 63–4 4.2b 154 1-147
ISCJB IX 20 01 51 13.3–.39 13.28N–.03 89.88W–.03 76–3 4.2b ¶601734523
UCR IX 20 01 51 13.7–1.4 13.24N 89.92W 30–3 4.6,4.4L
IDC IX 20 01 51 13.7–.86 13.55N 89.25W 58–6 4.0,4.0
NEIC IX 20 01 51 14.7–.72 13.27N 89.86W 72–6 4.6,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.1km az=41.2.
UCR Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=28.2km s-min=8.7km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=5.5km az=213.0. Felt [III] at San Salvador. Also felt at Acajutla, San Cristobal and Santo Tomas.
ISC IX 20 13 56 45.4–.84 13.08N–.10 89.04W–.06 10 3.9b,3.1s 26 1-148

UCR IX 20 13 56 30.2–1.8 12.09N 89.71W 19 3.6L,3.1s ¶601863895
ISCJB IX 20 13 56 43.6–.88 12.97N–.07 89.16W–.06 10 3.9b,3.2s
IDC IX 20 13 56 44.8–1.6 13.08N 89.10W 0 4.1,3.9b
ISC Event type ke.
UCR Error ellipse: s-maj=11.5km s-min=10.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.1km az=35.9.
IDC Error ellipse: s-maj=64.6km s-min=21.3km az=39.0.
ISC IX 23 01 51 36.0–.65 13.01N–.05 88.71W–.04 75–5 4.5b 488 0-152
ISCJB IX 23 01 51 35.0–.24 12.98N–.02 88.72W–.02 73–1 4.5b ¶601737034
UCR IX 23 01 51 36.1–1.9 13.08N 88.69W 62–12 4.9L,4.5b
NEIC IX 23 01 51 36.8–.43 12.93N 88.64W 82–4 4.8,4.5b
IDC IX 23 01 51 36.3–1.4 13.09N 88.54W 77–13 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.3km az=37.5.
UCR Error ellipse: s-maj=7.3km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.3km az=223.0. Felt [III] at San Salvador. Also felt at Delgado, Ilopango, Mejicanos and Santo Tomas.
IDC Error ellipse: s-maj=19.1km s-min=8.0km az=49.0.
ISC IX 24 22 22 18.8–.95 13.21N–.07 89.35W–.06 75–7 4.2b 73 0-34
ISCJB IX 24 22 22 18.8–.57 13.25N–.06 89.32W–.05 87–4 4.1b ¶601845965
UCR IX 24 22 22 20.6–1.8 13.14N 89.29W 53–13 4.4L,4.0b
NEIC IX 24 22 22 21.4–1.2 13.33N 89.19W 110–11 4.5,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=4.2km az=35.9.
UCR Error ellipse: s-maj=7.8km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=24.5km s-min=9.3km az=48.0. Felt [III] at San Salvador. Also felt at San Luis.
UCR IX 26 22 13 29.5–1.5 13.12N 89.30W 46–17 4.0L
¶603790957
UCR Error ellipse: s-maj=6.5km s-min=3.8km az=-1.0.
ISC X 02 03 52 45.7–1.0 13.36N–.08 89.66W–.06 74–7 4.0b 85 0-137
IDC X 02 03 52 38.4–1.3 13.71N 88.86W 0 4.0,3.8 ¶601890439
ISCJB X 02 03 52 44.2–.58 13.23N–.06 89.72W–.04 74–5 4.1b,3.8
UCR X 02 03 52 44.6–1.2 13.16N 89.74W 31–2 4.4b,3.9L
NEIC X 02 03 52 49.5–.82 13.82N 89.15W 82–9 4.4b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=44.8km s-min=20.5km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=4.0km az=34.2.
UCR Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=18.6km s-min=8.4km az=217.0. Felt [I] at Sonsonate.
ISC X 10 14 48 15.5–1.5 13.3N–.10 89.61W–.08 100 30 1-27
NEIC X 10 14 48 15.0–1.4 13.00N 89.75W 128–13 4.6b,4.0 ¶601997773
ISCJB X 10 14 48 16.2–.88 13.48N–.09 89.53W–.07 100 4.8b,4.0
UCR X 10 14 48 19.0–.92 13.30N 89.53W 62–8 4.6b,4.0L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=25.0km s-min=12.0km az=219.0. Felt [II] at San Salvador.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=6.2km az=29.5.
UCR Error ellipse: s-maj=7.6km s-min=3.4km az=-1.0.
ISC X 17 02 15 36.2–1.2 13.4N–.20 89.7W–.20 66 4.0b 7 6-147
IDC X 17 02 15 28.8–1.5 13.48N 89.35W 0 4.1,3.9 ¶601998597
ISCJB X 17 02 15 34.7–1.2 13.4N–.20 89.8W–.20 66 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
UCR X 24 06 23 30.2–.70 13.14N 89.59W 34–4 3.7L,3.4
¶603791030
UCR Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC X 25 15 19 19.6–.77 13.8N–.20 88.8W–.20 10 4.0b 12 2-147
ISCJB X 25 15 19 16.5–.85 13.6N–.20 88.9W–.20 10 3.7b,3.3s ¶601999621
IDC X 25 15 19 19.8–1.4 13.94N 88.56W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.1km s-min=8.4km az=41.7.
IDC Error ellipse: s-maj=47.4km s-min=22.6km az=40.0.
ISC X 29 04 59 34.8–.84 13.29N–.06 89.65W–.06 68–6 4.4b 144 1-147
ISCJB X 29 04 59 33.7–.45 13.21N–.04 89.67W–.04 65–3 4.3b ¶601857851
UCR X 29 04 59 34.0–1.7 13.21N 89.74W 33–4 4.5b,4.1L
NEIC X 29 04 59 35.7–.80 13.25N 89.54W 72–7 4.5b,4.2
IDC X 29 04 59 37.5–2.8 13.51N 89.29W 85–25 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.5km az=136.4.
UCR Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=5.9km az=220.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=24.6km s-min=11.6km az=53.0.
UCR XI 07 05 15 53.1–1.1 13.26N 89.35W 61–5 3.9L
¶605657170
UCR Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
ISC XII 03 06 50 34.0–.77 13.41N–.05 89.78W–.05 64–6 4.3b 528 0-147
ISCJB XII 03 06 50 32.9–.34 13.30N–.02 89.82W–.03 69–2 4.2b ¶601995932
SNET XII 03 06 50 32.0–.00 13.30N 89.88W 45 4.2b
UCR XII 03 06 50 33.3–1.4 13.34N 89.86W 45–8 4.4L,4.4b
NEIC XII 03 06 50 34.9–.60 13.25N 89.75W 73–5 4.5,4.4b
IDC XII 03 06 50 35.7–1.0 13.57N 89.50W 77–8 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.7km az=141.4.
SNET Event type se.
UCR Error ellipse: s-maj=4.6km s-min=4.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=46.0. Felt [II] at San Salvador. Felt at Antigua Guatemala and Puerta Parada, Guatemala.
IDC Error ellipse: s-maj=20.6km s-min=6.9km az=51.0.
UCR XII 08 21 05 16.8–1.7 13.14N 89.96W 24–7 3.5L
¶605657227
UCR Error ellipse: s-maj=6.5km s-min=7.0km az=-1.0.
IDC XII 15 12 06 04.4–2.2 13.18N 89.41W 0 4.1,3.8
¶602391385
IDC Error ellipse: s-maj=53.2km s-min=22.3km az=49.0.
ISC XII 15 19 56 05.4–.84 13.2N–.10 89.9W–.10 35 4.0b 15 2-147
IDC XII 15 19 56 08.0–1.8 13.36N 89.61W 60–14 3.9,3.9 ¶602391411
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=9.8km az=49.0.
ISC XII 16 02 50 36.4–1.2 13.2N–.20 89.8W–.20 35 3.9b 8 2-62
IDC XII 16 02 50 40.0–2.7 13.43N 89.53W 64–22 3.8,3.8 ¶602391439
ISC Event type ke.
IDC Error ellipse: s-maj=60.9km s-min=23.6km az=38.0.
UCR XII 18 12 54 25.5–1.1 13.18N 88.92W 73–6 3.5L
¶605657252
UCR Error ellipse: s-maj=7.1km s-min=2.9km az=-1.0.
IDC XII 24 22 24 00.6–1.8 13.15N 88.32W 0 4.0,3.8
¶602392023
IDC Error ellipse: s-maj=81.4km s-min=21.6km az=37.0.
ISC XII 28 16 23 48.5–.54 13.71N–.06 89.01W–.05 178–4 4.6b 409 0-147
ISCJB XII 28 16 23 47.5–.24 13.68N–.03 89.00W–.03 185–2 4.4b ¶602064204
NEIC XII 28 16 23 48.0–.00 13.50N 89.10W 170 4.7b,4.2
SNET XII 28 16 23 48.0 13.50N 89.10W 170 4.7b,4.2
UCR XII 28 16 23 48.5–1.1 13.83N 88.94W 171–4 4.7b,4.3L
IDC XII 28 16 23 49.6–.76 13.89N 88.76W 182–5 4.3,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=39.9.
NEIC Event type fe. Felt [I] at San Salvador. After SNET.
UCR Error ellipse: s-maj=10.3km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=19.4km s-min=10.6km az=49.0.
ISC XII 31 21 27 00.7–1.7 13.3N–.20 89.2W–.20 17 3.8b 9 2-88
IDC XII 31 21 26 59.7–3.4 13.65N 88.91W 0 3.9s,3.9 ¶602380515
ISC Event type ke.
IDC Error ellipse: s-maj=95.7km s-min=29.8km az=25.0.

(74) Near coast of Nicaragua.

ISC VII 10 02 36 00.6–.64 12.47N–.04 87.76W–.04 58–6 4.6b,3.3s 499 1-139
ISCJB VII 10 02 35 59.9–.27 12.47N–.03 87.75W–.02 70–2 4.6b,3.3s ¶601605923
UCR VII 10 02 36 00.4–2.2 12.48N 87.80W 53–39 4.6b,4.3L
IDC VII 10 02 36 02.0–3.1 12.59N 87.67W 70–27 4.5,4.4
NEIC VII 10 02 36 02.2–.68 12.43N 87.67W 76–7 4.6b,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=32.8.
UCR Error ellipse: s-maj=12.0km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=13.9km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.1km az=219.0. Felt [I] at La Union, El Salvador.
ISC VII 13 13 00 40.9–1.0 11.98N–.08 87.96W–.07 35 3.7b 26 1-149
UCR VII 13 13 00 38.1–2.8 11.83N 88.02W 47–318 3.8L ¶601664525
ISCJB VII 13 13 00 39.7–.90 12.01N–.08 87.95W–.06 35 3.6b,2.8s
IDC VII 13 13 00 42.2–3.9 12.06N 87.88W 43–38 3.8,3.7
ISC Event type ke.
UCR Error ellipse: s-maj=35.1km s-min=21.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.2km az=35.4.
IDC Error ellipse: s-maj=65.5km s-min=18.0km az=49.0.
UCR VII 19 08 03 29.5–4.4 12.68N 87.93W 66–35 3.8L,3.6
¶605657125
UCR Error ellipse: s-maj=26.9km s-min=15.4km az=-1.0.
UCR VII 20 06 32 51.1–2.1 12.34N 87.90W 36–20 3.5,2.5L
¶605657127
UCR Error ellipse: s-maj=10.9km s-min=8.0km az=-1.0.
ISC VII 22 18 02 08.6–1.2 11.57N–.04 87.15W–.05 27–8 5.0b,4.3s 915 1-151
IDC VII 22 18 02 05.1–.42 12.06N 86.56W 0 4.6,4.4 ¶601456946
ISCJB VII 22 18 02 07.9–.19 11.59N–.02 87.18W–.02 33 4.9b,4.3s
UCR VII 22 18 02 08.6–2.3 11.47N 87.28W 36–999 5.0b,4.5
MOS VII 22 18 02 09.8–1.4 11.78N 86.96W 43 5.0b,4.5
BJI VII 22 18 02 11.3 11.70N 87.20W 40 5.3b,5.1s
NEIC VII 22 18 02 12.1–.62 11.64N 87.03W 56–5 5.0b,5.1s
GCMT VII 22 18 02 12.1–.40 11.26N 87.57W 21–1 5.0W,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=10.0km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=37.7.
UCR Error ellipse: s-maj=10.9km s-min=9.8km az=-1.0.
MOS Error ellipse: s-maj=14.2km s-min=5.1km az=113.1.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=221.0.
GCMT Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s33,c43; s70,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.96±.19 $M_{\theta\theta}$-2.26±.13; $M_{\phi\phi}$-0.69±.14; $M_{r\theta}$1.16±.20; $M_{\theta\phi}$1.10±.09; $M_{\phi r}$-1.03±.28; Best double couple: NP1:ϕ_s124.00000°,δ59.00000°,λ96.00000°. NP2:ϕ_s291.00000°,δ32.00000°,λ79.00000°. Principal axes: T 3.3670,Plg75.0000°,Azm52.0000°; N -0.1620,Plg6.0000°,Azm300.0000°; P -3.1960,Plg14.0000°,Azm209.0000° $M_0$3.28200×10^{16}
ISC VII 22 18 04 50.1–.90 11.9N–.20 86.9W–.20 35 4.2s,4.0b 13 2-149
IDC VII 22 18 04 45.2–1.1 11.88N 86.87W 0 4.4,4.3 ¶601664983
ISCJB VII 22 18 04 48.3–.81 11.8N–.10 87.0W–.20 35 4.3s,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 22 18 33 25.6–.69 11.25N–.05 87.36W–.05 10 3.9b 36 1-150
UCR VII 22 18 33 21.0–1.1 10.92N 87.51W 12–44 4.5b,3.8L ¶601456949
IDC VII 22 18 33 26.3–1.0 11.74N 87.03W 0 4.1,3.9
ISC Event type ke.
UCR Error ellipse: s-maj=37.8km s-min=13.0km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=16.3km az=52.0.
ISC VII 22 18 33 56.5–.71 11.6N–.10 87.1W–.10 35 4.4b,3.6s 235 3-150
IDC VII 22 18 33 56.9–5.6 11.94N 86.84W 33–41 4.3,4.2 ¶601664986
NEIC VII 22 18 33 57.3–2.1 11.81N 86.90W 44–19 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=17.5km az=49.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=10.2km az=60.0.
ISC VII 22 19 40 44.0–1.7 11.42N–.05 87.26W–.06 26–12 4.5b,3.5s 376 1-150
IDC VII 22 19 40 41.6–.91 12.05N 86.61W 0 4.3,4.0 ¶601457914
ISCJB VII 22 19 40 42.3–.34 11.39N–.04 87.38W–.03 33 4.5b,3.5s
UCR VII 22 19 40 44.6–2.4 11.47N 87.23W 22–13 4.5b,4.4
NEIC VII 22 19 40 46.4–.94 11.53N 87.14W 52–7 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=16.8km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=33.3.
UCR Error ellipse: s-maj=7.7km s-min=9.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.0km az=205.0.
UCR VII 23 02 58 42.9–2.3 11.87N 87.35W 21–12 3.9,3.8L
¶605657131
UCR Error ellipse: s-maj=10.8km s-min=7.6km az=-1.0.
UCR VII 27 00 47 37.9–1.3 12.56N 87.76W 76–13 3.6L
¶605657134
UCR Error ellipse: s-maj=14.4km s-min=8.7km az=-1.0.
UCR VIII 01 18 54 33.5–2.0 11.11N 86.32W 0–8 4.0,2.2L
¶603794117
UCR Error ellipse: s-maj=8.4km s-min=13.0km az=-1.0.
ISC VIII 03 15 40 53.6–1.1 11.98N–.04 86.04W–.03 5–7 3.4b,3.3s 39 0-140
ISCJB VIII 03 15 40 53.3–.55 11.95N–.03 86.06W–.03 10–3 3.3s,3.3b ¶601765407
IDC VIII 03 15 40 53.0–1.1 12.00N 85.85W 0 3.8,3.6
UCR VIII 03 15 40 54.0–1.8 11.98N 86.07W 9–3 4.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=24.6.
IDC Error ellipse: s-maj=46.3km s-min=18.3km az=52.0.
UCR Error ellipse: s-maj=4.2km s-min=3.3km az=-1.0.
UCR VIII 07 05 22 34.8–1.3 12.06N 87.96W 26–6 3.7,3.4L
¶603790769
UCR Error ellipse: s-maj=5.0km s-min=3.4km az=-1.0.
UCR VIII 08 11 41 45.2–1.0 11.77N 87.49W 16–5 3.5L
¶603790773
UCR Error ellipse: s-maj=5.3km s-min=2.9km az=-1.0.
ISC VIII 10 04 27 20.0–.71 11.27N–.04 87.88W–.04 41–6 4.8b,3.9s 1017 2-152
UCR VIII 10 04 27 18.9–1.4 11.31N 87.92W 38–667 4.9b,4.3L ¶601534319
GCMT VIII 10 04 27 19.0–.20 11.18N–.01 88.25W–.02 12 5.1W,4.3L
ISCJB VIII 10 04 27 19.8–.30 11.42N–.02 87.76W–.02 46–2 4.8b,4.0s
IDC VIII 10 04 27 19.4–3.6 11.35N 87.75W 33–27 4.7L,4.6
BJI VIII 10 04 27 20.1 11.30N 87.70W 35 5.3b,5.0s
NEIC VIII 10 04 27 21.0–.41 11.31N 87.74W 45–3 4.9b,5.0s
ISC Event type se.
UCR Error ellipse: s-maj=8.7km s-min=6.5km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c78; s102,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.82±.09 $M_{\theta\theta}$4.14±.07; $M_{\phi\phi}$-0.32±.10; $M_{r\theta}$2.00±.24; $M_{\theta\phi}$-1.17±.08; $M_{\phi r}$2.16±.32; Best double couple: NP1:ϕ_s257.00000°,δ61.00000°,λ-121.00000°. NP2:ϕ_s128.00000°,δ41.00000°,λ-47.00000°. Principal axes: T 4.7070,Plg11.0000°,Azm8.0000°; N 0.7010,Plg27.0000°,Azm273.0000°; P -5.4090,Plg61.0000°,Azm119.0000° $M_0$5.05800×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=37.6.
IDC Error ellipse: s-maj=17.5km s-min=8.8km az=51.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=213.0.
UCR VIII 13 17 58 23.8–1.9 11.88N 86.80W 68–13 4.0,3.4L
¶603790786
UCR Error ellipse: s-maj=6.0km s-min=5.5km az=-1.0.
ISC VIII 20 16 14 45.2–1.2 11.58N–.07 86.90W–.06 58–11 3.8b 39 1-140
ISCJB VIII 20 16 14 43.7–.72 11.52N–.06 86.93W–.05 62–8 3.8b ¶601766203
UCR VIII 20 16 14 44.1–1.2 11.53N 86.97W 30–5 3.6L
IDC VIII 20 16 14 45.4–1.7 11.99N 86.48W 49–26 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=4.8km az=31.3.
UCR Error ellipse: s-maj=4.4km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=72.5km s-min=14.1km az=45.0.
ISC VIII 21 15 17 41.0–.48 11.68N–.05 86.24W–.04 141–3 4.8b 778 0-151
ISCJB VIII 21 15 17 39.8–.30 11.62N–.03 86.26W–.02 147–1 4.7b ¶601606010
NEIC VIII 21 15 17 41.6–.24 11.69N 86.22W 142 4.8b
IDC VIII 21 15 17 41.5–.49 11.84N 85.93W 141–4 4.4,4.2
UCR VIII 21 15 17 42.2–1.7 11.74N 86.29W 127–7 4.8b,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.0km az=17.2.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=210.0. Felt at Carlos Fonseca Amador.
IDC Error ellipse: s-maj=16.6km s-min=6.7km az=62.0.
UCR Error ellipse: s-maj=8.3km s-min=4.8km az=-1.0.

ISC VIII 22 15 50 49.7–.78 11.78N–.07 86.37W–.06 122–6 3.6b 49 0-149
ISCJB VIII 22 15 50 49.6–.50 11.74N–.07 86.37W–.06 124–5 3.6b **¶601766313**
IDC VIII 22 15 50 49.1–1.3 12.10N 85.90W 120–13 3.9,3.8
UCR VIII 22 15 50 50.7–.92 11.78N 86.41W 116–4 4.3L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.5km az=36.5.
IDC Error ellipse: s-maj=49.9km s-min=12.5km az=55.0.
UCR Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
UCR VIII 25 10 03 22.7–1.1 12.32N 87.52W 52–13 4.0,2.9L
¶603790811
UCR Error ellipse: s-maj=5.4km s-min=3.7km az=-1.0.
UCR VIII 29 05 13 00.2–2.3 11.49N 87.10W 66–46 4.2,3.2L
¶603790826
UCR Error ellipse: s-maj=12.0km s-min=13.0km az=-1.0.
UCR VIII 29 23 15 03.7–.98 11.53N 87.07W 26–3 4.1L
¶603790831
UCR Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.
ISC VIII 29 23 18 03.3–.97 11.77N–.05 86.91W–.05 60–9 4.3b,3.4s 69 1-149
UCR VIII 29 23 18 00.8–2.6 11.65N 87.08W 20–10 4.5b,4.4 **¶601650909**
ISCJB VIII 29 23 18 01.7–.47 11.70N–.05 86.95W–.05 67–5 4.1b,4.4
NEIC VIII 29 23 18 02.5–.97 11.71N 86.98W 53–8 4.5b,4.4
IDC VIII 29 23 18 02.5–1.3 12.05N 86.56W 46–14 4.1,4.0
ISC Event type se.
UCR Error ellipse: s-maj=5.9km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.0km az=43.3.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.2km az=222.0.
IDC Error ellipse: s-maj=34.8km s-min=10.0km az=48.0.
UCR VIII 30 17 58 19.0–1.0 12.60N 87.86W 67–10 3.7L
¶603790838
UCR Error ellipse: s-maj=8.8km s-min=5.1km az=-1.0.
ISC VIII 30 18 39 24.5–1.5 11.66N–.05 87.23W–.04 15–10 3.9b,3.4s 55 1-149
IDC VIII 30 18 39 21.8–1.0 11.59N 87.14W 0 4.1,3.8 **¶601755633**
UCR VIII 30 18 39 27.8–2.1 11.70N 87.04W 23–10 4.3,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=13.1km az=42.0.
UCR Error ellipse: s-maj=6.4km s-min=6.7km az=-1.0.
ISC IX 01 10 52 14.7–1.2 11.70N–.06 87.08W–.07 49–13 3.9s,3.8b 46 1-97
ISCJB IX 01 10 52 13.3–.59 11.66N–.05 87.11W–.05 55–9 3.7s,3.5b **¶601862712**
UCR IX 01 10 52 13.6–1.8 11.66N 87.12W 32–7 4.1,3.7L
IDC IX 01 10 52 14.9–3.0 11.99N 86.83W 39–32 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.1km az=139.6.
UCR Error ellipse: s-maj=3.8km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=51.6km s-min=21.8km az=47.0.
ISC IX 04 11 58 37.2–1.3 12.7N–.40 88.0W–.40 35 3.2b 6 3-53
IDC IX 04 11 58 39.2–2.4 12.43N 88.43W 58–23 3.4,3.2 **¶601862925**
ISC Event type ke.
IDC Error ellipse: s-maj=90.1km s-min=13.9km az=49.0.
ISC IX 07 01 57 21.9–.94 12.22N–.07 87.21W–.05 53–9 3.4b 33 1-38
ISCJB IX 07 01 57 21.3–.60 12.19N–.06 87.26W–.05 63–8 3.4b **¶601863086**
UCR IX 07 01 57 21.3–1.4 12.15N 87.28W 51–20 3.7L
IDC IX 07 01 57 23.3–1.6 11.82N 87.45W 100–26 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.1km az=35.5.
UCR Error ellipse: s-maj=6.6km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=67.1km s-min=15.4km az=33.0.
UCR IX 18 09 43 28.3–1.5 11.44N 86.27W 62–8 3.9,3.5L
¶603790911
UCR Error ellipse: s-maj=4.0km s-min=4.5km az=-1.0.
UCR IX 19 04 12 54.9–1.9 11.11N 86.90W 21–12 4.2,2.9L
¶603790915
UCR Error ellipse: s-maj=9.0km s-min=14.6km az=-1.0.
ISC IX 19 18 15 22.5–1.3 11.06N–.09 87.00W–.08 30 3.6b 25 1-150
IDC IX 19 18 15 17.6–2.9 11.00N 86.86W 0 4.0,3.7 **¶601863842**
UCR IX 19 18 15 19.8–1.6 11.05N 87.02W 20–10 3.6L,3.7
ISCJB IX 19 18 15 21.4–1.5 11.2N–.10 86.99W–.06 30 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
UCR IX 22 11 30 16.8–1.2 12.54N 87.94W 68–12 3.8L
¶603790927
UCR Error ellipse: s-maj=7.6km s-min=5.1km az=-1.0.
UCR IX 25 07 58 50.5–1.3 11.74N 86.39W 92–10 3.9,3.3L
¶603790944
UCR Error ellipse: s-maj=4.3km s-min=7.2km az=-1.0.
UCR IX 27 02 22 33.3–.66 12.26N 87.92W 95–31 3.8,3.5L
¶603790960
UCR Error ellipse: s-maj=24.6km s-min=21.1km az=-1.0.
UCR X 03 16 07 36.1–1.4 12.28N 87.28W 69–24 3.7L
¶603790982
UCR Error ellipse: s-maj=22.3km s-min=16.9km az=-1.0.
ISC X 05 04 55 51.7–.73 11.88N–.05 86.72W–.05 103–6 4.3b 290 0-150
ISCJB X 05 04 55 51.1–.35 11.89N–.04 86.68W–.03 111–2 4.2b **¶601783866**
IDC X 05 04 55 52.0–1.1 12.04N 86.48W 101–12 4.0,3.9
UCR X 05 04 55 52.8–1.6 11.92N 86.72W 91–10 4.3b,3.5L
NEIC X 05 04 55 52.0–.45 11.85N 86.68W 106–4 4.3b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=27.8.
IDC Error ellipse: s-maj=27.6km s-min=9.3km az=53.0.
UCR Error ellipse: s-maj=8.0km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=45.0.
ISC X 10 05 45 04.1–.94 11.81N–.07 86.37W–.09 141–8 42 0-140
UCR X 10 05 45 03.9–2.1 11.82N 86.34W 142–9 4.2,3.7L **¶601997718**
ISCJB X 10 05 45 04.2–.54 11.83N–.07 86.33W–.07 140–6 3.8b,3.7L
IDC X 10 05 45 04.4–1.1 11.58N 86.46W 142–22 4.1,3.9
ISC Event type ke.
UCR Error ellipse: s-maj=8.0km s-min=8.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=4.1km az=138.2.
IDC Error ellipse: s-maj=154.6km s-min=18.2km az=40.0.
UCR X 12 03 06 36.7–1.3 11.59N 87.08W 32–6 3.7L
¶603790998
UCR Error ellipse: s-maj=5.1km s-min=4.3km az=-1.0.
UCR X 12 14 29 01.7–2.5 11.79N 87.85W 0–7 4.2,3.0L
¶603790999
UCR Error ellipse: s-maj=7.7km s-min=9.1km az=-1.0.
UCR X 12 17 43 48.7–1.9 12.08N 87.25W 54–28 3.7L
¶603791000
UCR Error ellipse: s-maj=12.3km s-min=8.3km az=-1.0.
UCR X 16 04 11 58.1–1.3 12.19N 87.49W 40–57 3.6,3.3L
¶603791011
UCR Error ellipse: s-maj=9.0km s-min=6.1km az=-1.0.
UCR X 17 21 17 26.8–1.9 11.81N 86.27W 144–10 3.9,2.7L
¶603791014
UCR Error ellipse: s-maj=5.6km s-min=7.4km az=-1.0.
UCR X 19 04 00 57.7–1.9 11.81N 86.29W 132–16 4.0,2.2L
¶603791019
UCR Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0.
UCR X 24 09 10 07.7–2.1 11.77N 86.66W 64–22 3.7,3.4L
¶603791033
UCR Error ellipse: s-maj=14.5km s-min=13.2km az=-1.0.
UCR X 29 13 07 49.6–1.3 11.91N 86.37W 182–9 4.0,3.4L
¶603791045
UCR Error ellipse: s-maj=6.2km s-min=10.8km az=-1.0.
UCR X 30 00 48 00.1–1.9 12.33N 87.59W 55–23 3.5L
¶603791048
UCR Error ellipse: s-maj=9.0km s-min=5.2km az=-1.0.
UCR XI 05 06 10 08.4–2.8 11.49N 87.29W 98–40 3.5L
¶605657165
UCR Error ellipse: s-maj=19.7km s-min=22.0km az=-1.0.
UCR XI 06 05 15 36.4–1.2 11.84N 86.65W 85–6 4.1,4.0L
¶605657167
UCR Error ellipse: s-maj=3.6km s-min=5.4km az=-1.0.

UCR XI 07 12 39 56.8–1.9 12.58N 87.99W 35–14 4.0,3.6L
¶605657171
UCR Error ellipse: s-maj=10.9km s-min=6.3km az=-1.0.
UCR XI 11 16 05 12.0–2.0 12.41N 87.84W 38–161 3.6L
¶605657176
UCR Error ellipse: s-maj=14.1km s-min=8.2km az=-1.0.
ISC XI 13 07 17 01.1–.60 11.98N–.04 86.46W–.05 138–5 4.2b 390 0-150
ISCJB XI 13 07 17 00.9–.18 12.00N–.03 86.41W–.03 146–2 4.2b **¶601890912**
IDC XI 13 07 17 01.1–.87 12.06N 86.30W 142–10 4.0,3.7
UCR XI 13 07 17 02.1–1.3 11.95N 86.46W 128–5 4.3,4.3b
NEIC XI 13 07 17 02.2–.38 11.95N 86.42W 144–3 4.3b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.8km az=136.5.
IDC Error ellipse: s-maj=23.7km s-min=9.8km az=47.0.
UCR Error ellipse: s-maj=4.7km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=49.0.
ISC XI 18 08 56 17.3–.61 11.27N–.08 86.77W–.07 35 4.3b,3.1s 76 1-150
IDC XI 18 08 56 13.1–1.1 11.41N 86.62W 0 4.1,3.8 **¶602063188**
ISCJB XI 18 08 56 15.6–.43 11.21N–.06 86.85W–.05 35 4.3b,3.2s
UCR XI 18 08 56 16.1–2.2 11.19N 86.87W 40 4.3,4.3b
NEIC XI 18 08 56 18.5–.62 11.30N 86.74W 47–5 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=15.6km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.1km az=37.7.
UCR Error ellipse: s-maj=11.9km s-min=20.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=219.0.
UCR XI 20 17 04 11.4–1.6 12.35N 87.76W 49–34 3.6L
¶605657193
UCR Error ellipse: s-maj=12.4km s-min=7.5km az=-1.0.
ISC XI 25 15 10 40.8–.92 11.71N–.05 87.03W–.05 57–9 4.2b 83 1-149
ISCJB XI 25 15 10 39.7–.48 11.68N–.04 87.08W–.04 62–5 4.1b **¶601994393**
UCR XI 25 15 10 39.3–2.2 11.68N 87.10W 21–9 4.5,4.3b
NEIC XI 25 15 10 40.7–.57 11.67N 87.02W 61–6 4.3b,4.3b
IDC XI 25 15 10 42.5–1.7 12.17N 86.45W 64–19 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.3km az=138.3.
UCR Error ellipse: s-maj=5.8km s-min=5.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=6.6km az=45.0. Felt at Nicoya and Santa Cruz, Costa Rica.
IDC Error ellipse: s-maj=45.0km s-min=13.3km az=54.0.
UCR XII 01 23 27 51.1–1.5 11.59N 86.35W 65–12 3.6,2.7L
¶605657212
UCR Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0.
ISC XII 03 08 06 30.6–.83 12.58N–.05 87.98W–.04 68–7 4.3b 527 1-148
ISCJB XII 03 08 06 30.2–.24 12.61N–.03 87.93W–.02 82–2 4.3b **¶601995937**
UCR XII 03 08 06 30.9–2.0 12.58N 87.98W 54–28 4.4,4.3b
SNET XII 03 08 06 31.0–.00 12.57N 88.06W 32 4.4,4.3b
IDC XII 03 08 06 31.2–1.1 12.80N 87.71W 65–10 4.1,4.1
NEIC XII 03 08 06 32.1–.55 12.52N 87.90W 83–5 4.3,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.4km az=38.2.
UCR Error ellipse: s-maj=7.6km s-min=4.4km az=-1.0.
SNET Event type se.
IDC Error ellipse: s-maj=24.0km s-min=7.6km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=218.0. Felt at Chinandega. Felt [I] at San Salvador, El Salvador.
UCR XII 03 22 47 57.2–2.1 11.53N 86.21W 16–6 4.0,2.7L
¶605657215
UCR Error ellipse: s-maj=4.5km s-min=6.7km az=-1.0.
UCR XII 06 07 10 19.7–1.1 11.98N 86.93W 55–10 4.1L,4.1
¶605657220
UCR Error ellipse: s-maj=4.3km s-min=4.6km az=-1.0.
UCR XII 07 07 10 41.8–1.4 11.32N 86.12W 67–8 3.8,2.7L
¶605657222
UCR Error ellipse: s-maj=3.0km s-min=4.1km az=-1.0.
ISC XII 07 23 52 03.3–.89 12.65N–.06 88.00W–.04 65–7 4.4b 138 1-139
IDC XII 07 23 51 55.8–.86 12.91N 87.50W 0 4.1,3.9 **¶602032173**
ISCJB XII 07 23 52 03.0–.33 12.67N–.04 87.97W–.03 70–2 4.3b,3.9
UCR XII 07 23 52 03.4–2.3 12.67N 88.00W 58–17 4.5b,4.2L
NEIC XII 07 23 52 04.1–.51 12.62N 87.91W 71–4 4.5b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=36.9km s-min=13.8km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.0km az=30.4.
UCR Error ellipse: s-maj=8.7km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.3km az=211.0. Felt [I] at San Salvador, El Salvador.
ISC XII 16 05 31 19.1–1.5 11.93N–.09 87.98W–.07 60–16 3.4b 29 1-54
ISCJB XII 16 05 31 17.0–.94 11.86N–.07 88.01W–.06 70–12 3.5b **¶602391445**
UCR XII 16 05 31 17.2–1.5 11.87N 88.01W 70–34 3.1L
IDC XII 16 05 31 17.2–2.1 12.99N 86.94W 0 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=5.5km az=34.7.
UCR Error ellipse: s-maj=12.1km s-min=6.6km az=-1.0.
IDC Error ellipse: s-maj=106.7km s-min=28.4km az=56.0.
UCR XII 18 04 50 01.1–1.4 11.67N 86.88W 46–24 4.4,4.3L
¶605657248
UCR Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
ISC XII 29 03 02 05.7–.81 11.27N–.07 87.07W–.06 49 3.5b 33 1-139
IDC XII 29 03 02 01.2–1.3 11.68N 86.75W 0 3.9,3.7 **¶602380816**
ISCJB XII 29 03 02 02.7–.81 11.17N–.06 87.13W–.04 49 3.6b,3.7
UCR XII 29 03 02 02.8–1.5 11.16N 87.17W 36–999 4.1,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=21.6km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.8km az=13.6.
UCR Error ellipse: s-maj=9.6km s-min=6.7km az=-1.0.
IDC XII 29 03 32 27.5–19 11.16N 86.86W 0 3.8,3.4
¶602380818
IDC Error ellipse: s-maj=401.3km s-min=108.0km az=180.0.
IDC XII 29 03 54 59.4–2.4 11.65N 86.72W 0 3.5,3.3
¶602380819
IDC Error ellipse: s-maj=122.0km s-min=20.3km az=43.0.
IDC XII 29 03 59 42.2–2.3 11.46N 86.91W 0 3.7,3.5
¶602380821
IDC Error ellipse: s-maj=69.0km s-min=20.6km az=39.0.
ISC XII 29 04 01 46.2–.55 11.25N–.05 87.06W–.05 30 4.3b 218 1-150
ISCJB XII 29 04 01 42.9–.50 11.07N–.05 87.12W–.04 30 4.2b **¶602324120**
IDC XII 29 04 01 43.8–.87 11.83N 86.49W 0 4.0,3.9b
UCR XII 29 04 01 46.4–2.3 11.22N 87.05W 19–13 4.3b,4.1
NEIC XII 29 04 01 48.8–.91 11.30N 86.92W 51–8 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.1km az=23.2.
IDC Error ellipse: s-maj=30.8km s-min=14.3km az=48.0.
UCR Error ellipse: s-maj=14.5km s-min=9.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.4km az=217.0.

(75) Nicaragua.

ISC VII 12 12 51 00.9–.78 12.18N–.06 86.69W–.06 148–6 3.3b 53 0-140
IDC VII 12 12 51 00.6–1.3 12.38N 86.28W 148–16 3.9,3.7 **¶601664488**
ISCJB VII 12 12 51 01.2–.44 12.15N–.05 86.67W–.05 147–5 3.4b,3.7
UCR VII 12 12 51 01.9–2.5 12.09N 86.71W 132–13 4.1,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=16.0km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=3.1km az=41.7.
UCR Error ellipse: s-maj=8.0km s-min=7.4km az=-1.0.
ISC VII 14 10 30 18.9–.61 12.07N–.08 86.42W–.10 200 4.4b 300 1-150
ISCJB VII 14 10 30 16.4–.61 11.95N–.07 86.54W–.06 200 4.3b **¶601273329**
IDC VII 14 10 30 19.5–1.5 12.16N 86.29W 201–15 4.1,3.8
NEIC VII 14 10 30 19.0–.52 11.98N 86.45W 213–5 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=40.2.
IDC Error ellipse: s-maj=22.4km s-min=17.2km az=75.0.

NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=208.0.
UCR VII 20 03 52 16.1–1.5 12.12N 86.60W 111–6 3.9,3.3L ¶605657126

UCR Error ellipse: s-maj=9.4km s-min=8.4km az=-1.0.
UCR VII 23 10 48 02.0–1.9 11.46N 85.97W 145–12 4.1 ¶605657132

UCR Error ellipse: s-maj=9.1km s-min=12.2km az=-1.0.
UCR VIII 10 08 47 16.2–1.4 11.44N 84.07W 23–6 4.0,3.1L ¶603790778

UCR Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
UCR IX 05 11 50 03.2–1.6 11.44N 85.49W 176–9 3.5,2.4L ¶603790849

UCR Error ellipse: s-maj=9.3km s-min=11.4km az=-1.0.

ISC	**IX**	**05 14 59 15.2–.60**	**11.16N–.06**	**84.8W–.10**	**10**	**4.0b**	**33**	**1-150**
ISCJB	IX	05 14 59 13.8–.53	11.18N–.04	84.73W–.09	10	4.0b		**¶601734451**
IDC	IX	05 14 59 13.8–.96	11.21N	84.65W	0	4.5,4.0		
NEIC	IX	05 14 59 15.3–1.1	11.15N	84.73W	10–7	4.6b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.0km az=8.4.
IDC Error ellipse: s-maj=35.5km s-min=9.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=7.0km az=67.0.

ISC	**IX**	**05 16 54 15.0–1.7**	**11.11N–.04**	**84.73W–.07**	**19–5**	**3.8b**	**42**	**1-150**
NEIC	IX	05 16 54 12.8–.71	11.07N	84.66W	10	4.0b		**¶601734453**
IDC	IX	05 16 54 12.5–1.7	11.19N	84.68W	0	4.2,3.8		
UCR	IX	05 16 54 17.0–1.6	10.31N	85.78W	24–19	4.0b,3.9		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.7km az=89.0.
IDC Error ellipse: s-maj=49.2km s-min=10.2km az=96.0.
UCR Error ellipse: s-maj=12.4km s-min=11.5km az=-1.0.
UCR IX 06 06 58 48.7–2.3 11.08N 84.98W 227–33 3.9L,3.6 ¶603790858

UCR Error ellipse: s-maj=22.2km s-min=21.7km az=-1.0.

ISC	**IX**	**06 13 13 54.4–.91**	**13.99N–.08**	**83.8W–.10**	**10**	**3.6b,2.8s**	**8**	**4-66**
ISCJB	IX	06 13 13 52.9–.81	14.05N–.10	83.7W–.10	10	3.6b,2.9s		**¶601863045**
IDC	IX	06 13 13 52.8–1.5	13.97N	83.76W	0	4.0,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=13.0km az=139.7.
IDC Error ellipse: s-maj=35.1km s-min=21.4km az=89.0.
UCR IX 07 15 46 50.1–2.4 11.56N 85.82W 23–7 3.7,2.9L ¶603790860

UCR Error ellipse: s-maj=6.7km s-min=7.4km az=-1.0.
UCR IX 12 11 06 10.9–1.1 11.49N 85.80W 192–6 3.7,2.7L ¶603790878

UCR Error ellipse: s-maj=7.0km s-min=9.3km az=-1.0.

ISC	**IX**	**21 22 28 23.1–1.5**	**11.27N–.04**	**84.88W–.05**	**8–10**	**3.5b**	**27**	**1-150**
IDC	IX	21 22 28 19.6–4.4	11.09N	84.43W	0	4.2,3.8b		**¶601863968**
UCR	IX	21 22 28 23.1–1.2	10.13N	85.69W	18–4	3.7,3.3L		
ISCJB	IX	21 22 28 26.7–1.9	11.15N–.09	84.93W–.10	23–17	3.6b,3.5s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**22 09 57 50.9–.67**	**11.09N–.05**	**85.83W–.05**	**80–6**	**4.3b**	**207**	**1-158**
ISCJB	IX	22 09 57 50.2–.34	11.09N–.03	85.82W–.03	88–2	4.2b		**¶601736791**
IDC	IX	22 09 57 50.8–.99	11.21N	85.71W	78–13	4.3,4.2		
NEIC	IX	22 09 57 51.4–.41	11.08N	85.82W	90–4	4.2b,4.2		
UCR	IX	22 09 57 52.0–1.2	11.19N	85.82W	75–9	4.2L,4.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=33.7.
IDC Error ellipse: s-maj=32.2km s-min=13.2km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.3km az=216.0. Felt at Sardinal, Costa Rica.
UCR Error ellipse: s-maj=5.7km s-min=3.4km az=-1.0.
UCR X 10 03 39 50.7–1.5 12.04N 86.66W 78–13 4.1,3.2L ¶603790994

UCR Error ellipse: s-maj=5.5km s-min=9.2km az=-1.0.
UCR X 18 00 55 45.3–1.1 11.01N 85.90W 61–10 3.8,2.8L ¶603791015

UCR Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.
IDC XI 09 23 26 18.2–12 11.12N 85.38W 0 4.0,3.7 ¶602389114

IDC Error ellipse: s-maj=316.9km s-min=117.9km az=14.0.
IDC XI 11 00 18 37.3–1.6 12.83N 86.23W 0 3.8,3.6 ¶602389184

IDC Error ellipse: s-maj=214.2km s-min=23.2km az=55.0.
UCR XI 18 08 23 02.9–1.3 11.33N 85.63W 172–4 4.0 ¶605657191

UCR Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0.

ISC	**XI**	**19 22 55 24.4–1.1**	**11.2N–.20**	**85.9W–.20**	**175–8**		**39**	**0-140**
IDC	XI	19 22 54 56.7–5.2	11.40N	83.88W	0	4.1L,4.0		**¶602389705**
ISCJB	XI	19 22 55 23.9–.70	11.34N–.07	85.76W–.08	177–6	3.2b,4.0		
UCR	XI	19 22 55 24.1–1.7	11.35N	85.77W	173–7	3.8,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=147.7km s-min=69.3km az=20.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=5.3km az=138.9.
UCR Error ellipse: s-maj=5.6km s-min=6.7km az=-1.0.

ISC	**XI**	**25 15 45 41.3–1.1**	**11.02N–.10**	**84.8W–.20**	**10**	**3.8b**	**8**	**1-150**
ISCJB	XI	25 15 45 39.6–1.0	11.07N–.09	84.7W–.20	10	3.6b		**¶602389980**
IDC	XI	25 15 45 39.9–1.2	11.08N	84.68W	0	4.0,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.5km s-min=12.2km az=167.5.
IDC Error ellipse: s-maj=32.4km s-min=9.4km az=97.0.
UCR XII 04 14 59 04.5–3.2 12.37N 86.66W 1–15 3.9L ¶605657216

UCR Error ellipse: s-maj=9.2km s-min=13.5km az=-1.0.
UCR XII 18 05 16 16.5–1.7 11.37N 85.75W 170–7 4.1,3.2L ¶605657249

UCR Error ellipse: s-maj=6.7km s-min=8.0km az=-1.0.

(76) Off coast of central America.

UCR VII 12 04 57 39.1–1.3 12.83N 89.06W 28–3 3.9,3.7L ¶605657120

UCR Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.

ISC	**VII**	**12 19 52 26.8–.58**	**11.83N–.05**	**88.19W–.05**	**39–3**	**4.3b,3.6s**	**246**	**1-149**
ISCJB	VII	12 19 52 25.4–.43	11.81N–.03	88.21W–.03	54–3	4.2b,3.5s		**¶601272592**
UCR	VII	12 19 52 25.4–2.5	11.78N	88.24W	36–999	4.6,4.6b		
IDC	VII	12 19 52 27.1–2.6	11.94N	88.01W	42–24	4.1,4.1		
NEIC	VII	12 19 52 27.6–1.3	11.88N	88.13W	48–13	4.5b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=2.5km az=44.4.
UCR Error ellipse: s-maj=11.8km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=34.7km s-min=13.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.1km az=49.0.

ISC	**VII**	**17 13 26 59.3–.97**	**12.76N–.06**	**88.85W–.04**	**10**	**3.7b**	**41**	**1-138**
IDC	VII	17 13 26 57.8–1.7	13.86N	87.96W	0	3.9,3.6		**¶601664725**
ISCJB	VII	17 13 26 58.8–.67	12.68N–.05	88.87W–.04	10	3.6b,3.4s		
UCR	VII	17 13 27 02.6–1.1	12.87N	88.80W	47–33	4.2L,3.4s		

ISC Event type ke.
IDC Error ellipse: s-maj=78.1km s-min=28.2km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.6km az=36.2.
UCR Error ellipse: s-maj=10.2km s-min=4.5km az=-1.0.

ISC	**VII**	**24 18 31 46.6–1.4**	**12.76N–.10**	**88.93W–.07**	**58–11**	**3.7b,3.2s**	**52**	**1-148**
ISCJB	VII	24 18 31 44.6–.74	12.70N–.06	88.95W–.05	53–7	3.7b,3.2s		**¶601666385**
UCR	VII	24 18 31 45.5–1.2	12.77N	88.93W	32–3	4.2,3.8L		
IDC	VII	24 18 31 47.1–2.0	12.84N	88.75W	60–28	3.9,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=3.8km az=35.3.
UCR Error ellipse: s-maj=3.8km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=85.9km s-min=13.1km az=36.0.

ISC	**VII**	**25 05 53 27.2–.83**	**12.21N–.07**	**88.47W–.06**	**33**	**3.8b**	**43**	**1-66**
IDC	VII	25 05 53 23.7–1.2	12.51N	88.23W	0	4.0,3.7		**¶601666405**
ISCJB	VII	25 05 53 25.6–.71	12.04N–.06	88.55W–.05	33	3.7b,3.7		
UCR	VII	25 05 53 26.9–1.2	12.20N	88.48W	23–8	3.0L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=17.6km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=3.7km az=33.3.
UCR Error ellipse: s-maj=7.5km s-min=4.5km az=-1.0.
UCR VII 28 21 45 22.2–1.3 12.52N 88.20W 43–73 4.1L,4.1b ¶601519879

UCR Error ellipse: s-maj=11.9km s-min=6.3km az=-1.0.

ISC	**VIII**	**01 00 03 46.0–.79**	**12.36N–.07**	**88.95W–.06**	**41**	**3.9b**	**144**	**1-148**
IDC	VIII	01 00 03 42.3–1.8	12.72N	88.75W	0	4.1,3.8		**¶601532032**
ISCJB	VIII	01 00 03 43.0–.47	12.23N–.05	89.00W–.04	41	3.9b,3.2s		
UCR	VIII	01 00 03 45.3–1.1	12.40N	88.94W	28–21	4.2b,3.7L		
NEIC	VIII	01 00 03 47.2–1.2	12.59N	88.82W	43–13	4.2b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=26.8km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=34.7.
UCR Error ellipse: s-maj=10.9km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.2km az=46.0.

ISC	**VIII**	**06 09 49 56.1–1.1**	**12.05N–.05**	**88.07W–.05**	**44–11**	**4.3b,3.4s**	**338**	**1-149**
IDC	VIII	06 09 49 52.3–1.4	12.70N	87.56W	0	4.3,4.0		**¶601520609**
UCR	VIII	06 09 49 54.2–2.3	11.94N	88.16W	67	4.5,4.3b		
NEIC	VIII	06 09 50 00.0–.59	12.38N	87.83W	67–5	4.3b,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=24.0km az=47.0.
UCR Error ellipse: s-maj=9.3km s-min=6.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.7km az=216.0.
UCR VIII 08 07 12 21.3–1.4 12.97N 88.97W 48–28 3.9,3.3L ¶603790772

UCR Error ellipse: s-maj=9.4km s-min=4.8km az=-1.0.

ISC	**VIII**	**09 19 15 35.3–.76**	**12.93N–.09**	**91.35W–.09**	**39–8**	**4.4b,3.3s**	**220**	**2-147**
IDC	VIII	09 19 15 30.8–.97	13.05N	91.05W	0	4.4,4.3b		**¶601734862**
UCR	VIII	09 19 15 31.2–.98	14.89N	90.98W	169–10	4.3b,3.7L		
NEIC	VIII	09 19 15 38.7–.89	13.11N	91.01W	60–8	4.3b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=16.9km az=54.0.
UCR Error ellipse: s-maj=13.3km s-min=9.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.3km az=225.0.

ISC	**VIII**	**10 09 01 20.2–.49**	**12.10N–.04**	**88.15W–.03**	**27–3**	**5.0b,4.0s**	**1071**	**1-152**
MOS	VIII	10 09 01 16.2–1.2	12.13N	88.07W	10	5.1b,4.0s		**¶601534326**
IDC	VIII	10 09 01 16.1–.50	12.18N	88.07W	0	4.8,4.7		
UCR	VIII	10 09 01 19.3–1.6	11.97N	88.32W	26–16	5.0b,4.5		
ISCJB	VIII	10 09 01 19.4–.16	12.20N–.02	88.13W–.02	32	4.9b,4.0s		
NEIC	VIII	10 09 01 20.9–.17	12.08N	88.17W	30	5.0b,4.0s		

ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=5.2km az=111.9.
IDC Error ellipse: s-maj=20.8km s-min=9.9km az=49.0.
UCR Error ellipse: s-maj=5.1km s-min=4.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.8km az=39.7.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.4km az=213.0.

ISC	**VIII**	**13 15 19 51.4–.79**	**12.14N–.07**	**88.41W–.05**	**33**	**4.3b,3.7s**	**63**	**1-149**
ISCJB	VIII	13 15 19 49.0–.62	11.99N–.06	88.50W–.04	33	4.2b,3.6s		**¶601561348**
UCR	VIII	13 15 19 48.4–1.8	12.01N	88.53W	18–28	4.6,4.3b		
IDC	VIII	13 15 19 49.3–1.5	12.85N	87.87W	0	4.2,3.9		
NEIC	VIII	13 15 19 53.2–1.0	12.31N	88.28W	41–9	4.3b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=3.8km az=29.1.
UCR Error ellipse: s-maj=15.5km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=78.9km s-min=20.0km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.3km az=211.0.
UCR VIII 15 17 16 36.4–2.6 10.86N 90.98W 20 4.2L ¶603790791

UCR Error ellipse: s-maj=121.2km s-min=12.7km az=-1.0.

ISC	**VIII**	**18 06 43 41.4–1.7**	**12.99N–.07**	**88.98W–.06**	**3–13**		**46**	**0-5**
UCR	VIII	18 06 43 42.8–1.1	12.96N	89.07W	32–2	3.9L,3.8		**¶601741055**
NEIC	VIII	18 06 43 46.2–1.5	13.09N	88.88W	35	3.8,3.8		

ISC Event type fe.
UCR Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=41.5km s-min=11.1km az=210.0. Felt [I] at La Paz.

ISC	**VIII**	**18 11 23 20.2–.99**	**12.90N–.08**	**88.64W–.05**	**66–7**	**3.7b**	**68**	**0-148**
UCR	VIII	18 11 23 18.6–1.4	12.79N	88.69W	32–5	4.2L,4.0		**¶601766050**
ISCJB	VIII	18 11 23 18.5–.53	12.83N–.06	88.66W–.04	69–5	3.8b,4.0		
IDC	VIII	18 11 23 20.8–1.7	13.02N	88.56W	67–16	3.9,3.9		

ISC Event type ke.
UCR Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=3.4km az=30.9.
IDC Error ellipse: s-maj=38.7km s-min=11.8km az=40.0.
IDC VIII 18 15 10 12.0–3.7 11.88N 92.42W 0 3.9,3.5 ¶601766068

IDC Error ellipse: s-maj=137.0km s-min=27.4km az=28.0.

ISC	**VIII**	**24 07 55 23.7–.76**	**12.64N–.09**	**88.40W–.06**	**50**	**4.1b**	**179**	**1-138**
NEIC	VIII	24 07 55 28.0–.48	12.82N	88.23W	84–4	4.1,4.1b		**¶601615623**
IDC	VIII	24 07 55 28.0–2.1	12.97N	88.13W	87–20	4.4s,4.3		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=4.7km az=207.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=43.5km s-min=19.0km az=36.0.

ISC	**VIII**	**25 09 31 21.3–2.4**	**12.05N–.06**	**88.71W–.05**	**17–14**	**4.7b,3.9s**	**611**	**1-149**
UCR	VIII	25 09 31 20.1–2.3	12.01N	88.76W	6–11	4.7b,4.5		**¶601626189**
ISCJB	VIII	25 09 31 20.7–.36	11.97N–.04	88.75W–.03	33	4.5b,3.9s		
NEIC	VIII	25 09 31 22.8–.47	11.99N	88.60W	35	4.7b,3.9s		
IDC	VIII	25 09 31 27.5–3.4	12.77N	88.22W	33–27	4.3,4.2		

ISC Event type se.
UCR Error ellipse: s-maj=9.1km s-min=7.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.3km az=25.1.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=213.0.
IDC Error ellipse: s-maj=25.4km s-min=13.3km az=50.0.

ISC	**VIII**	**26 23 17 12.4–.95**	**12.0N–.10**	**88.30W–.07**	**35**	**4.3b**	**146**	**1-149**
UCR	VIII	26 23 17 07.3–.84	11.74N	88.39W	15–105	4.3b,2.6L		**¶601643029**
ISCJB	VIII	26 23 17 09.6–.76	11.95N–.08	88.36W–.05	35	4.3b,2.6L		
IDC	VIII	26 23 17 09.5–1.8	12.33N	87.98W	0	4.1,3.8		
NEIC	VIII	26 23 17 14.8–.79	12.11N	88.17W	56–6	4.3b,3.8		

ISC Event type se.
UCR Error ellipse: s-maj=46.5km s-min=61.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=4.2km az=25.5.
IDC Error ellipse: s-maj=60.3km s-min=21.1km az=39.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.1km az=209.0.

ISC	**VIII**	**27 04 37 19.7–.42**	**12.13N–.03**	**88.66W–.03**	**16–2**	**7.1s,5.8b**	**1723**	**1-167**
ISCJB	VIII	27 04 37 15.3–.14	12.16N–.02	88.74W–.02	10	7.0s,5.7b		**¶601626911**
IDC	VIII	27 04 37 16.8–.38	12.37N	88.60W	0	6.3,6.3s		
MOS	VIII	27 04 37 17.4–2.5	12.34N	88.62W	10	7.1s,6.0b		
NEIC	VIII	27 04 37 19.4–.22	12.14N	88.59W	28	7.4W,7.3W		
UCR	VIII	27 04 37 20.4–2.2	12.23N	88.61W	28	6.7b,6.0b		
NEIC	VIII	27 04 37 23.0–.00	12.08N	88.53W	11	6.7b,6.0b		
BJI	VIII	27 04 37 24.6	12.24N	88.62W	34	7.4,7.4s		
GCMT	VIII	27 04 37 39.4–.10	12.02N	89.17W	12	7.3W,7.4s		
NEIC	VIII	27 04 37 50.2–.00	11.98N	88.80W	19	7.3W,7.4s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=136.2.
IDC Error ellipse: s-maj=10.2km s-min=6.4km az=38.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=91.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ84.00000°,λ101.00000°. NP2: ϕ_s230.00000°,δ12.00000°,λ31.00000°. Principal axes: T Plg50.0000°,Azm31.0000° ; N Plg11.0000°,Azm288.0000°; P Plg38.0000°,Azm190.0000°
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=215.0. Felt [II] at Antiguo Cuscatlan, Nueva San Salvador and San Salvador. Also felt at Apopa, Mejicanos, Santo Tomas and Usulutan. Felt at Tegucigalpa, Honduras and at Managua, Nicaragua. A small tsunami with maximum wave heights [one-half peak-to-trough] was recorded at the following selected tide stations: 11 cm at Acajutla, El Salvador; 35 cm on Isla Baltra, 22 cm on Isla Santa Cruz and 21 cm at La Libertad, Ecuador. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$8.40000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ5.00000°,λ90.00000°. NP2:ϕ_s110.00000°,δ85.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm20.0000°; N Plg0.0000°,Azm0.0000°; P Plg40.0000° ,Azm200.0000°

UCR Error ellipse: s-maj=7.8km s-min=7.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ78.00000°,λ95.00000°. NP2:ϕ_s279.00000°,δ13.00000°,λ69.00000°. Principal axes: T 1.2300,Plg57.0000°,Azm36.0000°; N -0.0300,Plg4.0000°,Azm299.0000°; P -1.2000,Plg32.0000°,Azm206.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c350; s147,c736; Duration: 11s3 Moment tensor: Scale 10^{20}Nm; M_{rr}0.62±.00 $M_{\theta\theta}$-0.53±.00; $M_{\phi\phi}$-0.09±.00; $M_{r\theta}$0.98±.02; $M_{\theta\phi}$0.18±.00; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s117.00000°,δ76.00000°,λ93.00000°. NP2:ϕ_s284.00000°,δ15.00000°,λ77.00000°. Principal axes: T 1.2850,Plg59.0000°,Azm31.0000°; N -0.0370,Plg3.0000°,Azm296.0000°; P -1.2490,Plg31.0000°,Azm204.0000° M_o1.26700×10^{20}
NEIC Event type se. Moment Tensor Solution. s90 Moment tensor: Scale 10^{20}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.47 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.80 Best double couple: NP1:ϕ_s289.00000°,δ11.00000°,λ81.00000°. NP2:ϕ_s118.00000°,δ80.00000°,λ92.00000°. Principal axes: T 1.8400,Plg55.0000°,Azm30.0000°; N -0.1000,Plg2.0000°,Azm298.0000°; P -1.7400,Plg35.0000°,Azm207.0000° M_o1.80000×10^{20}

ISC	**VIII**	**27 04 39 28.3–1.0**	**12.8N–.20**	**88.3W–.10**	**35**	**4.8b**	**20**	**4-148**	
IDC	VIII	27 04 39 22.6–1.5	12.82N	88.29W	0	4.9,4.7			¶601766527
ISCJB	VIII	27 04 39 26.5–1.4	12.9N–.20	88.3W–.20	35	4.8b,4.7			
NEIC	VIII	27 04 39 27.9–.77	12.76N	88.40W	35	5.1b,4.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.5km s-min=37.8km az=40.0.								
ISCJB	Event type se. Error ellipse: s-maj=33.5km s-min=8.7km az=42.8.								
NEIC	Event type se. Error ellipse: s-maj=23.7km s-min=9.8km az=47.0.								
ISC	**VIII**	**27 04 43 55.0–.82**	**12.2N–.20**	**88.5W–.10**	**33**	**4.3b**	**11**	**4-149**	
IDC	VIII	27 04 43 50.2–.92	12.17N	88.41W	0	4.4,4.2			¶601735791
ISCJB	VIII	27 04 43 52.8–.85	12.1N–.20	88.6W–.10	33	4.3b,4.2			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**27 04 44 45.1–.88**	**12.2N–.10**	**88.9W–.10**	**35**	**4.7b**	**172**	**8-149**	
ISCJB	VIII	27 04 44 37.0–1.7	11.6N–.20	89.03W–.08	33	4.6b			¶601766529
IDC	VIII	27 04 44 40.4–.93	12.42N	88.60W	0	4.8,4.6			
NEIC	VIII	27 04 44 45.9–.69	12.38N	88.74W	35	4.5b,4.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=25.4km s-min=11.4km az=179.5.								
IDC	Error ellipse: s-maj=30.5km s-min=20.4km az=71.0.								
NEIC	Event type se. Error ellipse: s-maj=19.0km s-min=13.9km az=68.0.								
ISC	**VIII**	**27 04 47 07.1–.63**	**12.34N–.09**	**88.8W–.10**	**35**	**4.3b**	**80**	**4-148**	
IDC	VIII	27 04 47 02.0–.66	12.46N	88.68W	0	4.4,4.3L			¶601735792
ISCJB	VIII	27 04 47 04.7–.61	12.24N–.07	88.81W–.08	35	4.2b,4.3L			
NEIC	VIII	27 04 47 07.0–.39	12.44N	88.73W	35	4.4b,4.3L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.6km s-min=12.0km az=53.0.								
ISCJB	Event type se. Error ellipse: s-maj=14.4km s-min=5.2km az=140.4.								
NEIC	Event type se. Error ellipse: s-maj=14.6km s-min=6.5km az=50.0.								
ISC	**VIII**	**27 04 53 53.1–1.9**	**12.44N–.06**	**88.95W–.05**	**31–12**	**4.7b**	**523**	**1-148**	
MOS	VIII	27 04 53 49.7–1.5	12.68N	88.80W	10	5.0b			¶601627729
IDC	VIII	27 04 53 50.0–.67	12.90N	88.57W	0	4.3,4.1			
UCR	VIII	27 04 53 50.9–2.2	12.28N	89.13W	27–32	4.8b,4.1L			
ISCJB	VIII	27 04 53 52.0–.29	12.55N–.03	88.98W–.03	33	4.7b,4.1L			
NEIC	VIII	27 04 53 55.0–.35	12.62N	88.86W	35	4.8b,4.1L			
ISC	Event type se.								
MOS	Error ellipse: s-maj=19.3km s-min=6.8km az=108.3.								
IDC	Error ellipse: s-maj=32.5km s-min=12.4km az=54.0.								
UCR	Error ellipse: s-maj=18.3km s-min=16.9km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=2.7km az=32.8.								
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=4.5km az=224.0.								
ISC	**VIII**	**27 04 55 48.9–1.4**	**12.5N–.20**	**88.8W–.20**	**40**	**3.5b**	**9**	**4-148**	
IDC	VIII	27 04 55 44.3–2.0	12.59N	88.76W	0	4.1,3.9			¶601766531
ISCJB	VIII	27 04 55 47.2–1.4	12.5N–.20	88.9W–.20	40	3.6b,3.9			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**27 04 56 26.9–.97**	**13.0N–.20**	**88.4W–.20**	**35**	**4.1b**	**12**	**3-148**	
IDC	VIII	27 04 56 21.3–1.2	12.88N	88.64W	0	4.3,4.1			¶601766534
ISCJB	VIII	27 04 56 24.1–.97	12.8N–.20	88.6W–.20	35	4.0b,4.1			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**27 05 01 19.3–3.3**	**12.87N**	**88.15W**	**0**	**4.1,3.8**			¶601643031
IDC	Error ellipse: s-maj=132.3km s-min=30.5km az=48.0.								
ISC	**VIII**	**27 05 01 33.7–.59**	**12.28N–.08**	**88.67W–.08**	**35**	**4.5b**	**404**	**1-149**	
IDC	VIII	27 05 01 28.6–.94	12.39N	88.59W	0	4.3,4.1			¶601766535
ISCJB	VIII	27 05 01 30.6–.41	12.20N–.04	88.76W–.04	35	7.6s,4.4b			
NEIC	VIII	27 05 01 33.5–.44	12.26N	88.63W	35	4.5b,4.4b			
UCR	VIII	27 05 01 34.3–1.6	11.60N	88.81W	20–99	4.3,4.2b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=32.1km s-min=16.1km az=43.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=2.9km az=41.6.								
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=4.8km az=215.0.								
UCR	Error ellipse: s-maj=661.9km s-min=999.9km az=-1.0.								
ISC	**VIII**	**27 05 06 11.0–2.0**	**12.3N–.10**	**89.00W–.07**	**61–14**	**4.3b**	**211**	**1-148**	
IDC	VIII	27 05 06 06.8–2.0	12.87N	88.82W	0	4.2,4.1b			¶601643032
UCR	VIII	27 05 06 07.6–2.0	12.17N	89.04W	50	4.4b,3.8L			
NEIC	VIII	27 05 06 09.3–.76	12.25N	89.11W	35	4.4b,3.8L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=49.1km s-min=28.2km az=39.0.								
UCR	Error ellipse: s-maj=12.6km s-min=9.6km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=13.2km s-min=7.8km az=204.0.								
ISC	**VIII**	**27 05 15 00.4–.97**	**12.4N–.10**	**88.76W–.08**	**40**	**4.2b**	**126**	**1-138**	
IDC	VIII	27 05 14 56.6–2.1	12.74N	88.51W	0	4.1,3.8			¶601628491
ISCJB	VIII	27 05 14 57.3–.81	12.29N–.09	88.84W–.06	40	4.1b,3.8			
NEIC	VIII	27 05 14 59.3–.96	12.33N	88.82W	35	4.3b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=48.4km s-min=25.7km az=34.0.								
ISCJB	Event type se. Error ellipse: s-maj=14.8km s-min=5.6km az=30.9.								
NEIC	Event type se. Error ellipse: s-maj=18.2km s-min=6.5km az=209.0.								
ISC	**VIII**	**27 05 38 05.7–.75**	**12.28N–.04**	**88.68W–.04**	**49–6**	**5.4s,5.3b**	**1260**	**1-163**	
MOS	VIII	27 05 37 59.4–1.1	12.37N	88.57W	10	5.5b,5.3b			¶601626926
IDC	VIII	27 05 37 59.2–.40	12.46N	88.41W	0	5.4s,5.4			
UCR	VIII	27 05 38 02.9–2.8	12.17N	88.80W	27–16	5.5b,4.8L			
BJI	VIII	27 05 38 03.5	12.30N	88.60W	25	5.7,5.7s			
NEIC	VIII	27 05 38 04.4–.14	12.30N	88.61W	35	5.5b,5.7s			
ISCJB	VIII	27 05 38 05.1–.26	12.38N–.02	88.59W–.02	58–2	5.6s,5.3b			
ISC	Event type fe.								
NEIC	Event type fe. Felt at Antiguo Cuscatlan, San Salvador and Tonacatepeque.								
ISCJB	Event type fe.								
ISC	**VIII**	**27 05 50 56.9–.64**	**12.37N–.07**	**88.58W–.07**	**35**	**4.3b**	**79**	**1-148**	
IDC	VIII	27 05 50 52.5–.87	12.74N	88.20W	0	4.0,3.8			¶601702423
UCR	VIII	27 05 50 53.5–1.2	12.15N	88.78W	35	4.3b,3.5L			
NEIC	VIII	27 05 50 57.2–.65	12.42N	88.66W	35	4.3b,3.5L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=54.5km s-min=15.9km az=55.0.								
UCR	Error ellipse: s-maj=9.3km s-min=10.7km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=13.4km s-min=6.4km az=215.0.								
ISC	**VIII**	**27 05 51 55.6–.98**	**12.1N–.20**	**89.0W–.10**	**41**	**4.1b**	**15**	**3-149**	
IDC	VIII	27 05 51 50.1–1.1	12.07N	88.97W	0	4.3,4.0			¶601766544
ISC	Event type ke.								
IDC	Error ellipse: s-maj=39.5km s-min=17.0km az=35.0.								
ISC	**VIII**	**27 05 55 50.6–.97**	**12.4N–.10**	**88.48W–.09**	**35**	**4.4b**	**33**	**1-149**	
IDC	VIII	27 05 55 46.5–1.5	12.98N	87.87W	0	3.9,3.6			¶601643034
ISCJB	VIII	27 05 55 47.6–.90	12.2N–.10	88.59W–.08	35	4.2b,3.6			
NEIC	VIII	27 05 55 50.5–2.1	12.33N	88.50W	35	4.4b,3.6			
ISC	Event type se.								
IDC	Error ellipse: s-maj=71.0km s-min=21.3km az=43.0.								
ISCJB	Event type se. Error ellipse: s-maj=18.7km s-min=6.0km az=30.5.								
NEIC	Event type se. Error ellipse: s-maj=36.8km s-min=9.5km az=197.0.								
ISC	**VIII**	**27 06 02 32.8–.93**	**12.4N–.10**	**88.71W–.08**	**35**	**4.2b**	**128**	**1-148**	
IDC	VIII	27 06 02 28.5–1.7	12.56N	88.53W	0	4.1,3.8			¶601643035
ISCJB	VIII	27 06 02 30.2–.70	12.42N–.08	88.73W–.06	35	6.2s,4.2b			
NEIC	VIII	27 06 02 32.5–1.2	12.44N	88.72W	35	4.3b,4.2b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=51.6km s-min=21.4km az=40.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.8km s-min=5.0km az=33.9.								
NEIC	Event type se. Error ellipse: s-maj=23.8km s-min=7.8km az=207.0.								
ISC	**VIII**	**27 06 06 32.4–.73**	**12.00N–.09**	**88.53W–.09**	**35**	**4.3b**	**146**	**1-149**	
IDC	VIII	27 06 06 28.6–1.1	12.49N	88.19W	0	4.0,3.8			¶601766546
ISCJB	VIII	27 06 06 29.4–.64	11.94N–.07	88.65W–.05	35	4.2b,3.8			
NEIC	VIII	27 06 06 32.6–.55	12.04N	88.49W	35	4.3b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=38.9km s-min=15.3km az=47.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.5km s-min=5.0km az=31.8.								
NEIC	Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=213.0.								
IDC	**VIII**	**27 06 21 56.1–9.8**	**9.97N**	**88.09W**	**0**	**3.9,3.6**			¶601766549
IDC	Error ellipse: s-maj=182.6km s-min=82.7km az=2.0.								
ISC	**VIII**	**27 06 37 43.6–.84**	**12.06N–.08**	**88.87W–.06**	**41**	**4.2b**	**181**	**1-149**	
IDC	VIII	27 06 37 40.4–1.9	12.46N	88.57W	0	4.1,3.8			¶601643036
ISCJB	VIII	27 06 37 41.6–.49	12.03N–.05	88.88W–.04	41	4.1b,3.8			
UCR	VIII	27 06 37 43.5–1.1	12.26N	88.86W	95–124	4.2b,3.5L			
NEIC	VIII	27 06 37 44.0–.84	12.12N	88.76W	35	4.2b,3.5L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=55.7km s-min=25.0km az=35.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.6km s-min=4.6km az=32.6.								
UCR	Error ellipse: s-maj=63.2km s-min=26.1km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=15.2km s-min=6.6km az=206.0.								
IDC	**VIII**	**27 06 48 11.6–2.2**	**12.19N**	**88.49W**	**0**	**3.9,3.6**			¶601766551
IDC	Error ellipse: s-maj=69.4km s-min=27.0km az=37.0.								
ISC	**VIII**	**27 07 09 44.7–1.4**	**12.2N–.10**	**88.70W–.07**	**41**	**3.5b**	**21**	**1-54**	
IDC	VIII	27 07 09 39.2–2.8	12.07N	88.83W	0	3.8,3.5			¶601702425
ISCJB	VIII	27 07 09 41.9–.96	12.07N–.09	88.77W–.05	41	3.4b,3.5			
UCR	VIII	27 07 09 41.7–1.0	12.17N	88.80W	77–50	4.2b,2.8L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=96.4km s-min=25.7km az=39.0.								
ISCJB	Event type ke. Error ellipse: s-maj=13.6km s-min=5.0km az=24.2.								
UCR	Error ellipse: s-maj=20.0km s-min=11.3km az=-1.0.								
ISC	**VIII**	**27 07 10 31.9–.75**	**12.18N–.10**	**88.45W–.09**	**35**	**4.2b**	**159**	**1-149**	
IDC	VIII	27 07 10 27.9–1.4	12.75N	87.95W	0	4.1,3.9b			¶601766552
ISCJB	VIII	27 07 10 29.3–.56	12.18N–.06	88.50W–.06	35	4.2b,3.9b			
NEIC	VIII	27 07 10 32.6–.50	12.18N	88.48W	35	4.2b,3.9b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=69.1km s-min=20.3km az=46.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.2km s-min=4.8km az=37.7.								
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=215.0.								
ISC	**VIII**	**27 07 47 16.7–1.2**	**12.13N–.07**	**88.52W–.05**	**49–10**	**4.6b**	**551**	**1-152**	
IDC	VIII	27 07 47 11.2–.70	12.51N	88.08W	0	4.5,4.3			¶601627736
UCR	VIII	27 07 47 13.8–2.0	12.00N	88.63W	33–20	4.7b,3.6L			
ISCJB	VIII	27 07 47 14.3–.50	12.03N–.04	88.52W–.03	52–3	4.6b,3.6L			
NEIC	VIII	27 07 47 15.6–.32	12.10N	88.45W	35	4.7b,3.6L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.3km s-min=12.2km az=47.0.								
UCR	Error ellipse: s-maj=11.9km s-min=7.4km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.2km s-min=3.3km az=30.5.								
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=217.0.								
ISC	**VIII**	**27 08 05 56.7–.47**	**12.36N–.06**	**89.13W–.05**	**40**	**4.7b**	**522**	**1-148**	
UCR	VIII	27 08 05 53.7–1.4	12.30N	89.17W	16–9	4.7b,3.7L			¶601627740
ISCJB	VIII	27 08 05 54.0–.30	12.30N–.03	89.16W–.03	40	4.6b,3.7L			
NEIC	VIII	27 08 05 56.4–.28	12.40N	89.10W	35	4.7b,3.7L			
IDC	VIII	27 08 05 57.5–2.2	12.50N	89.00W	41–20	4.2,4.2			
ISC	Event type se.								
UCR	Error ellipse: s-maj=7.1km s-min=5.1km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=31.4.								
NEIC	Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=220.0.								
IDC	Error ellipse: s-maj=25.0km s-min=11.2km az=51.0.								
ISC	**VIII**	**27 08 14 52.2–.65**	**12.45N–.06**	**89.00W–.05**	**40**	**4.5b**	**370**	**1-148**	
IDC	VIII	27 08 14 48.0–.97	12.81N	88.74W	0	4.3,4.0			¶601627741
UCR	VIII	27 08 14 49.1–1.8	12.28N	89.11W	35	4.5b,3.8L			
NEIC	VIII	27 08 14 52.7–.50	12.60N	88.98W	35	4.5b,3.8L			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=34.3km s-min=17.1km az=52.0.								
UCR	Error ellipse: s-maj=10.6km s-min=7.6km az=-1.0.								
NEIC	Event type fe. Error ellipse: s-maj=10.0km s-min=5.7km az=32.0. Felt [II] at Sensuntepeque.								
ISC	**VIII**	**27 08 16 19.5–.49**	**12.29N–.07**	**88.76W–.06**	**40**	**4.5b**	**450**	**1-150**	
ISCJB	VIII	27 08 16 17.1–.37	12.28N–.04	88.74W–.03	40	4.5b			¶601643037
NEIC	VIII	27 08 16 19.3–.32	12.32N	88.71W	35	4.6b			
IDC	VIII	27 08 16 20.1–2.7	12.58N	88.41W	38–23	4.2,4.2			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=31.9.								
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=46.0.								
IDC	Error ellipse: s-maj=28.4km s-min=14.2km az=58.0.								
ISC	**VIII**	**27 09 04 57.7–.81**	**12.12N–.04**	**88.41W–.03**	**6–4**	**5.1b,5.0s**	**1156**	**1-163**	
MOS	VIII	27 09 04 56.7–1.1	12.20N	88.26W	10	5.3b,5.0s			¶601627744
UCR	VIII	27 09 04 59.4–2.8	11.96N	88.63W	54	5.1b,4.5			
ISCJB	VIII	27 09 05 00.1–.16	12.21N–.02	88.37W–.02	33	5.0b,5.0s			
IDC	VIII	27 09 05 01.2–3.4	12.27N	88.22W	33–25	4.9,4.9s			
BJI	VIII	27 09 05 01.5	12.20N	88.30W	25	5.7b,5.6s			
NEIC	VIII	27 09 05 03.9–.46	12.17N	88.28W	54–4	5.1b,5.6s			
ISC	Event type se.								
MOS	Error ellipse: s-maj=10.3km s-min=4.9km az=112.1.								
UCR	Error ellipse: s-maj=8.1km s-min=8.0km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=32.9.								
IDC	Error ellipse: s-maj=19.0km s-min=9.7km az=51.0.								
NEIC	Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0.								
IDC	**VIII**	**27 09 56 32.1–1.7**	**12.80N**	**88.27W**	**54–17**	**3.8,3.7**			¶601766560
IDC	Error ellipse: s-maj=69.7km s-min=9.2km az=44.0.								
ISC	**VIII**	**27 10 47 55.1–1.8**	**12.44N–.07**	**88.87W–.04**	**14–10**	**3.5b**	**43**	**1-149**	
ISCJB	VIII	27 10 47 52.3–1.8	12.29N–.05	88.97W–.04	1–14	3.4b			¶601766561
UCR	VIII	27 10 47 54.5–2.1	12.35N	88.95W	8–15	3.4L			
IDC	VIII	27 10 47 54.3–1.4	12.66N	88.66W	0	3.8,3.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.8km s-min=4.8km az=36.3.								
UCR	Error ellipse: s-maj=6.6km s-min=6.0km az=-1.0.								
IDC	Error ellipse: s-maj=71.7km s-min=23.8km az=46.0.								
ISC	**VIII**	**27 10 59 42.8–1.1**	**12.16N–.06**	**88.52W–.05**	**44–10**	**4.5b**	**376**	**1-149**	
UCR	VIII	27 10 59 39.1–.95	12.00N	88.66W	20	4.6b,3.7L			¶601627745
ISCJB	VIII	27 10 59 41.4–.46	12.11N–.03	88.51W–.03	54–3	4.4b,3.2s			
NEIC	VIII	27 10 59 42.9–.50	12.13N	88.53W	43–4	4.6b,3.2s			
IDC	VIII	27 10 59 44.3–2.0	12.45N	88.34W	48–18	4.1,4.1			
ISC	Event type se.								
UCR	Error ellipse: s-maj=5.8km s-min=4.1km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.4km s-min=3.3km az=30.7.								
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=221.0.								
IDC	Error ellipse: s-maj=27.2km s-min=13.8km az=40.0.								
ISC	**VIII**	**27 12 55 14.2–.61**	**12.20N–.06**	**88.52W–.05**	**10**	**4.4b,4.0s**	**279**	**1-149**	
ISCJB	VIII	27 12 55 11.9–.43	12.25N–.05	88.49W–.03	10	4.4b,4.0s			¶601627748
IDC	VIII	27 12 55 11.5–.73	12.53N	87.97W	0	4.4,4.1			
UCR	VIII	27 12 55 13.7–1.1	12.16N	88.67W	15–7	4.5b,3.7L			
NEIC	VIII	27 12 55 19.0–.64	12.39N	88.46W	42–6	4.5b,3.7L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=12.1.								
IDC	Error ellipse: s-maj=33.0km s-min=12.6km az=55.0.								
UCR	Error ellipse: s-maj=6.7km s-min=5.0km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=216.0.								
ISC	**VIII**	**27 13 34 20.8–.84**	**12.7N–.10**	**88.11W–.10**	**35**	**4.4b,3.6s**	**26**	**1-148**	
IDC	VIII	27 13 34 17.9–1.8	13.64N	87.01W	0	3.8,3.6			¶601643038
ISCJB	VIII	27 13 34 18.7–.83	12.6N–.10	88.16W–.09	35	4.3b,3.6s			
NEIC	VIII	27 13 34 20.6–1.6	12.57N	88.26W	35	4.4b,3.6s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=91.9km s-min=28.4km az=47.0.								
ISCJB	Event type se. Error ellipse: s-maj=20.5km s-min=6.0km az=36.5.								

NEIC Event type se. Error ellipse: s-maj=31.5km s-min=9.2km az=14.0.
ISC VIII 27 13 46 15.3–.68 12.15N–.08 88.53W–.05 33 4.5b 76 1-149
UCR VIII 27 13 46 14.4–1.3 12.03N 88.66W 36–999 4.5b,3.8L ¶601643039
NEIC VIII 27 13 46 15.2–.70 12.10N 88.54W 35 4.5b,3.8L
IDC VIII 27 13 46 17.1–3.2 12.36N 88.35W 37–25 4.0,3.9
ISC Event type se.
UCR Error ellipse: s-maj=12.7km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=5.7km az=28.0.
IDC Error ellipse: s-maj=33.6km s-min=18.9km az=44.0.
UCR VIII 27 14 16 19.4–1.6 11.76N 88.76W 38–999 3.6L
¶603790816
UCR Error ellipse: s-maj=36.9km s-min=19.7km az=-1.0.
ISC VIII 27 14 36 36.7–1.4 12.41N–.08 89.09W–.06 46–12 4.5b,3.5s 239 1-148
ISCJB VIII 27 14 36 34.5–.80 12.26N–.06 89.18W–.04 53–4 4.5b,3.5s ¶601643040
UCR VIII 27 14 36 35.4–1.5 12.32N 89.19W 43–6 4.6b,3.9L
NEIC VIII 27 14 36 36.3–.86 12.47N 89.03W 35 4.6b,3.9L
IDC VIII 27 14 36 40.4–2.3 12.95N 88.72W 45–19 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.0km az=31.4.
UCR Error ellipse: s-maj=7.3km s-min=6.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.7km az=196.0.
IDC Error ellipse: s-maj=31.4km s-min=20.9km az=36.0.
ISC VIII 27 17 09 25.4–.88 11.93N–.07 88.42W–.05 33 4.2b 34 1-149
UCR VIII 27 17 09 25.4–2.0 11.77N 88.40W 38–999 4.3b,3.9L ¶601735793
ISCJB VIII 27 17 09 25.1–.72 11.78N–.07 88.38W–.05 33 4.1b,3.1s
IDC VIII 27 17 09 26.1–1.1 13.05N 87.09W 0 4.0,3.8
NEIC VIII 27 17 09 28.3–.80 12.17N 88.11W 35 4.3b,3.8
ISC Event type se.
UCR Error ellipse: s-maj=25.2km s-min=14.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.6km az=30.1.
IDC Error ellipse: s-maj=47.9km s-min=17.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=11.4km az=52.0.
ISC VIII 27 17 17 31.0–2.0 12.02N–.06 88.16W–.05 6–12 4.5b,3.5s 66 1-149
ISCJB VIII 27 17 17 30.3–.47 11.91N–.05 88.24W–.04 10 4.4b,3.5s ¶601751115
UCR VIII 27 17 17 32.1–3.2 11.99N 88.15W 6–13 4.6b,4.3
IDC VIII 27 17 17 32.3–1.2 12.52N 87.80W 0 4.5,4.2
NEIC VIII 27 17 17 34.2–2.9 12.37N 87.85W 20–21 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.3km az=37.1.
UCR Error ellipse: s-maj=10.8km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=35.8km s-min=19.1km az=41.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=8.8km az=47.0.
ISC VIII 27 17 47 42.3–2.4 12.1N–.10 88.54W–.05 9–13 3.7b 39 1-66
IDC VIII 27 17 47 28.8–6.7 10.86N 87.54W 0 4.1,3.8 ¶601766578
UCR VIII 27 17 47 48.1–1.6 12.26N 88.41W 30–13 3.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=153.7km s-min=76.7km az=25.0.
UCR Error ellipse: s-maj=7.7km s-min=5.0km az=-1.0.
ISC VIII 27 18 27 21.1–.87 12.7N–.10 89.36W–.07 55 4.4b 53 1-148
IDC VIII 27 18 27 13.9–1.6 12.79N 88.95W 0 4.5,4.2 ¶601766580
UCR VIII 27 18 27 16.7–1.7 12.53N 89.53W 20–14 4.5b,4.1L
ISCJB VIII 27 18 27 18.9–.63 12.66N–.07 89.40W–.05 55 4.4b,3.3s
NEIC VIII 27 18 27 20.1–.79 12.86N 89.24W 35 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=25.4km az=30.0.
UCR Error ellipse: s-maj=13.5km s-min=12.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=4.7km az=32.5.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=8.5km az=222.0.
IDC VIII 27 18 31 05.7–5.2 10.58N 89.87W 0 4.0,3.8b
¶601766581
IDC Error ellipse: s-maj=115.0km s-min=33.3km az=29.0.
ISC VIII 27 18 44 44.9–.95 12.64N–.08 88.96W–.06 55 3.9b 35 1-148
UCR VIII 27 18 44 38.8–.67 12.40N 89.06W 10–8 4.0b,3.6L ¶601766583
IDC VIII 27 18 44 39.9–1.5 13.32N 88.35W 0 4.0,3.8b
NEIC VIII 27 18 44 41.5–.81 13.31N 88.35W 10 4.0b,3.8b
ISC Event type se.
UCR Error ellipse: s-maj=4.0km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=65.1km s-min=21.6km az=43.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=12.1km az=47.0.
ISC VIII 27 20 20 29.8–.90 12.28N–.08 88.86W–.06 35 3.7b 37 1-149
IDC VIII 27 20 20 26.4–1.1 13.12N 88.00W 0 3.9,3.7 ¶601766586
ISCJB VIII 27 20 20 27.1–.79 12.17N–.06 88.89W–.05 35 3.7b,3.1s
UCR VIII 27 20 20 27.0–1.8 12.23N 88.94W 26–24 3.5L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=16.9km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.2km az=38.5.
UCR Error ellipse: s-maj=13.1km s-min=9.6km az=-1.0.
ISC VIII 27 20 23 07.1–1.6 12.29N–.09 88.76W–.08 47–19 24 1-149
ISCJB VIII 27 20 23 04.9–1.1 12.19N–.08 88.82W–.07 40–15 3.8b ¶601766587
IDC VIII 27 20 23 04.9–2.0 12.97N 88.03W 0 3.8,3.7b
UCR VIII 27 20 23 05.3–1.3 12.26N 88.85W 31–19 2.8L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=5.8km az=40.1.
IDC Error ellipse: s-maj=101.2km s-min=23.1km az=45.0.
UCR Error ellipse: s-maj=10.2km s-min=8.1km az=-1.0.
ISC VIII 27 21 13 27.1–1.1 11.93N–.05 88.83W–.04 25–7 4.8b,3.7s 701 2-151
IDC VIII 27 21 13 22.9–.50 11.96N 88.83W 0 4.7,4.5 ¶601627861
ISCJB VIII 27 21 13 26.9–.22 12.03N–.03 88.73W–.02 33 4.7b,3.6s
UCR VIII 27 21 13 26.1–.75 11.81N 88.91W 34–9 4.8b,4.6L
GCMT VIII 27 21 13 27.9–.60 11.88N–.03 88.91W–.05 19–1 4.9W,4.6L
NEIC VIII 27 21 13 28.9–.24 11.98N 88.68W 35 4.8b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=9.6km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.4km az=24.1.
UCR Error ellipse: s-maj=4.9km s-min=3.5km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c26; s66,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.20 $M_{\theta\theta}$1.59±.14; $M_{\phi\phi}$0.69±.14; $M_{r\theta}$1.75±.28; $M_{\theta\phi}$-0.78±.10; $M_{\phi r}$-1.04±.30; Best double couple: NP1:ϕ_s300.00000°,δ67.00000°,λ-90.00000°. NP2:ϕ_s120.00000°,δ23.00000°,λ-91.00000°. Principal axes: T 2.8510,Plg22.0000° ,Azm30.0000°; N 0.2370,Plg0.0000°,Azm120.0000°; P -3.0880,Plg68.0000°,Azm211.0000° M_o2.96900×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=214.0.
ISC VIII 27 22 07 35.9–1.9 12.29N–.06 88.79W–.05 16–10 4.8b,4.1s 559 1-150
ISCJB VIII 27 22 07 31.0–.38 12.13N–.04 88.55W–.03 10 4.7b,4.1s ¶601643042
IDC VIII 27 22 07 34.0–.84 12.55N 88.57W 0 4.8,4.5
UCR VIII 27 22 07 35.0–1.3 12.20N 88.89W 14–5 4.8b,4.0L
NEIC VIII 27 22 07 39.3–.45 12.39N 88.66W 35 4.8b,4.0L
GCMT VIII 27 22 07 40.3–.40 12.21N–.02 89.11W–.04 18–1 4.8W,4.0L
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c22; s68,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.15 $M_{\theta\theta}$-1.73±.10; $M_{\phi\phi}$0.00±.09; $M_{r\theta}$1.19±.19; $M_{\theta\phi}$0.57±.06; $M_{\phi r}$-0.90±.26; Best double couple: NP1:ϕ_s120.00000°,δ65.00000°,λ102.00000°. NP2:ϕ_s273.00000°,δ28.00000°,λ66.00000°. Principal axes: T 2.3090,Plg68.0000° ,Azm53.0000°; N 0.0750,Plg11.0000°,Azm295.0000°; P -2.3880,Plg19.0000°,Azm201.0000° M_o2.34900×10^{16}
ISC VIII 27 23 05 48.5–.67 12.35N–.06 88.79W–.06 40 4.5b 221 1-148
ISCJB VIII 27 23 05 42.1–.46 12.01N–.05 89.01W–.04 33 4.4b ¶601643044
IDC VIII 27 23 05 45.0–1.6 12.78N 88.51W 0 4.4,4.2b
UCR VIII 27 23 05 45.9–.93 12.24N 88.88W 35–15 4.5b,3.6L
NEIC VIII 27 23 05 49.6–.63 12.57N 88.70W 35 4.5b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=33.2.
IDC Error ellipse: s-maj=47.1km s-min=22.7km az=43.0.
UCR Error ellipse: s-maj=7.5km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.6km az=208.0.
ISC VIII 27 23 21 57.4–.80 12.14N–.07 88.36W–.05 33 4.0b 32 1-149
UCR VIII 27 23 21 54.3–1.2 11.98N 88.52W 29 3.9L ¶601766591
IDC VIII 27 23 21 54.1–1.0 12.98N 87.48W 0 4.2,4.0b
ISCJB VIII 27 23 21 55.5–.71 12.00N–.06 88.44W–.05 33 4.0b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 27 23 31 59.2–.79 12.27N–.07 88.98W–.05 40 4.3b 115 1-148
UCR VIII 27 23 31 54.4–1.5 12.23N 89.02W 5–11 4.4b,3.0L ¶601643045
ISCJB VIII 27 23 31 55.0–.57 12.10N–.06 89.06W–.04 40 4.6s,4.2b
IDC VIII 27 23 31 55.6–1.7 12.67N 88.62W 0 4.6s,4.5
NEIC VIII 27 23 32 00.4–1.1 12.50N 88.86W 41–10 4.4b,4.5
ISC Event type se.
UCR Error ellipse: s-maj=7.5km s-min=6.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.0km az=22.3.
IDC Error ellipse: s-maj=55.9km s-min=21.3km az=40.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=8.5km az=204.0.
ISC VIII 28 01 11 32.4–1.2 12.37N–.06 88.85W–.05 50–11 4.6b,3.8s 345 1-148
IDC VIII 28 01 11 25.5–1.1 12.54N 88.45W 0 4.5,4.2 ¶601643047
ISCJB VIII 28 01 11 29.6–.50 12.26N–.04 88.92W–.03 54–3 4.6b,3.7s
UCR VIII 28 01 11 29.5–2.3 12.27N 88.97W 28–22 4.6b,3.4L
NEIC VIII 28 01 11 31.3–.41 12.39N 88.86W 35 4.6b,3.4L
BJI VIII 28 01 11 32.0 12.40N 88.80W 35 5.3b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=22.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.3km az=36.3.
UCR Error ellipse: s-maj=8.2km s-min=9.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=215.0.
ISC VIII 28 06 08 15.1–.76 12.46N–.04 88.69W–.03 28–4 5.1b,5.0s 1156 1-175
IDC VIII 28 06 08 10.3–.48 12.57N 88.58W 0 5.0,5.0s ¶601628314
MOS VIII 28 06 08 10.8–1.0 12.47N 88.65W 10 5.3b,4.9s
UCR VIII 28 06 08 13.1–2.5 12.40N 88.85W 89–50 5.1b,4.6L
ISCJB VIII 28 06 08 13.8–.14 12.50N–.02 88.70W–.01 33 5.0s,5.0b
GCMT VIII 28 06 08 16.1–.10 12.28N–.01 89.04W–.01 12 5.4W,5.0b
NEIC VIII 28 06 08 16.0–.00 12.50N 88.65W 15 5.4W,5.0b
NEIC VIII 28 06 08 16.1–.17 12.46N 88.65W 35 5.5W,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=8.8km az=48.0.
MOS Error ellipse: s-maj=11.9km s-min=4.6km az=114.4.
UCR Error ellipse: s-maj=19.8km s-min=10.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=36.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c171; s127,c245;Duration: 1ŝ3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.55±.02 $M_{\theta\theta}$1.66±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$-0.46±.05; $M_{\theta\phi}$-0.24±.02; $M_{\phi r}$0.69±.06; Best double couple: NP1:ϕ_s117.00000°,δ58.00000°,λ-67.00000°. NP2:ϕ_s259.00000°,δ39.00000°,λ-121.00000°. Principal axes: T 1.7870,Plg10.0000° ,Azm191.0000°; N 0.0700,Plg19.0000°,Azm284.0000°; P -1.8600,Plg68.0000°,Azm75.0000° M_o1.82400×10^{17}
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39 $M_{\theta\theta}$1.01 $M_{\phi\phi}$0.37 $M_{r\theta}$-1.69 $M_{\theta\phi}$-0.60 $M_{\phi r}$0.52 Best double couple: NP1:ϕ_s110.00000° ,δ71.00000°,λ-96.00000°. NP2:ϕ_s311.00000°,δ20.00000°,λ-70.00000°. Principal axes: T 2.2100,Plg25.0000°,Azm205.0000°; N 0.0600,Plg6.0000°,Azm112.0000° ; P -2.2700,Plg63.0000°,Azm9.0000° M_o2.20000×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=214.0.
ISC VIII 28 06 41 59.2–1.1 11.94N–.09 88.78W–.07 35 3.6b 21 2-54
UCR VIII 28 06 41 57.5–1.1 11.96N 88.75W 19–21 3.0L ¶601755502
ISCJB VIII 28 06 41 57.5–.75 11.87N–.06 88.78W–.05 35 3.6b
IDC VIII 28 06 41 58.3–1.3 12.81N 88.11W 0 3.9,3.6
ISC Event type ke.
UCR Error ellipse: s-maj=8.2km s-min=6.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.2km az=31.4.
IDC Error ellipse: s-maj=81.6km s-min=18.3km az=48.0.
ISC VIII 28 08 53 35.8–.57 11.95N–.04 88.79W–.04 28–3 5.0b,4.4s 1190 2-153
MOS VIII 28 08 53 31.7–1.2 11.97N 88.75W 10 5.1b,4.4s ¶601628318
IDC VIII 28 08 53 31.3–.42 11.93N 88.80W 0 4.8,4.7
ISCJB VIII 28 08 53 34.5–.15 12.08N–.02 88.74W–.02 27 4.9b,4.4s
GCMT VIII 28 08 53 34.9–.20 11.79N–.01 89.11W–.01 12 5.3W,4.4s
UCR VIII 28 08 53 35.4–2.5 11.99N 88.76W 14–25 5.0b,4.7L
NEIC VIII 28 08 53 36.9–.15 11.98N 88.71W 35 5.0b,4.7L
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=4.4km az=114.6.
IDC Error ellipse: s-maj=16.5km s-min=8.6km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=1.7km az=33.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c96; s116,c216;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.99±.01 $M_{\theta\theta}$0.69±.01; $M_{\phi\phi}$0.29±.02; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$0.12±.05; Best double couple: NP1:ϕ_s290.00000°,δ51.00000°,λ-108.00000°. NP2:ϕ_s137.00000°,δ42.00000°,λ-69.00000°. Principal axes: T 1.0390,Plg5.0000° ,Azm33.0000°; N 0.0230,Plg14.0000°,Azm302.0000°; P -1.0620,Plg75.0000°,Azm141.0000° M_o1.05000×10^{17}
UCR Error ellipse: s-maj=10.4km s-min=11.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.3km az=221.0.
ISC VIII 28 09 44 54.0–1.1 11.95N–.07 88.26W–.05 10 3.7b 29 1-138
UCR VIII 28 09 44 52.5–1.4 11.86N 88.34W 4–8 3.1L ¶601755511
ISCJB VIII 28 09 44 52.2–.87 11.81N–.07 88.36W–.05 10 3.7b
IDC VIII 28 09 44 55.5–2.3 12.76N 87.68W 0 4.0,3.8b
ISC Event type ke.
UCR Error ellipse: s-maj=7.5km s-min=5.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.5km az=32.9.
IDC Error ellipse: s-maj=100.2km s-min=18.1km az=49.0.
ISC VIII 28 14 40 37.2–1.4 12.0N–.10 88.81W–.07 37–3 3.4b 38 1-149
IDC VIII 28 14 40 31.4–1.9 11.85N 88.88W 0 3.8,3.6 ¶601755520
ISCJB VIII 28 14 40 34.1–1.7 11.90N–.06 88.86W–.05 33–16 3.4b,3.6
UCR VIII 28 14 40 35.5–1.6 11.97N 88.83W 36–999 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=80.5km s-min=21.2km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.0km az=41.4.
UCR Error ellipse: s-maj=20.0km s-min=8.7km az=-1.0.
ISC VIII 28 18 12 18.8–2.3 12.31N–.09 88.78W–.06 11–14 30 1-138
UCR VIII 28 18 12 20.7–1.1 12.24N 88.76W 36–999 3.0L ¶601755529
IDC VIII 28 18 12 21.7–1.9 13.38N 87.67W 0 3.8,3.5
ISC Event type ke.
UCR Error ellipse: s-maj=14.8km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=84.4km s-min=28.2km az=47.0.
ISC VIII 28 21 28 30.6–2.2 12.46N–.08 89.00W–.05 15–12 4.0b,3.5s 81 1-148
IDC VIII 28 21 28 29.4–1.4 12.70N 88.76W 0 4.0,3.8 ¶601643053
UCR VIII 28 21 28 30.1–1.7 12.37N 89.01W 14–6 4.3b,3.4L
NEIC VIII 28 21 28 34.4–.81 12.62N 88.91W 35 4.3b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=17.9km az=48.0.
UCR Error ellipse: s-maj=6.2km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.4km az=33.0.
ISC VIII 28 22 02 47.5–1.3 12.51N–.06 88.77W–.06 47–11 4.5b,3.7s 355 1-148
IDC VIII 28 22 02 42.1–1.1 12.87N 88.43W 0 4.3,4.1 ¶601738686
UCR VIII 28 22 02 45.4–2.4 12.39N 88.93W 35–999 4.6b,4.5
ISCJB VIII 28 22 02 46.6–.47 12.50N–.04 88.72W–.04 63–3 4.5b,4.5
NEIC VIII 28 22 02 48.5–.74 12.77N 88.61W 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=20.3km az=40.0.
UCR Error ellipse: s-maj=21.2km s-min=13.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.0km az=135.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.5km az=207.0.
ISC VIII 28 22 29 38.4–1.1 12.0N–.20 88.5W–.20 33 3.7b,3.0s 11 4-138
IDC VIII 28 22 29 34.0–1.4 12.07N 88.40W 0 4.0,3.7 ¶601755534
ISCJB VIII 28 22 29 36.2–1.0 11.9N–.20 88.6W–.20 33 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 29 03 00 25.6–2.0 12.12N–.07 88.77W–.05 13–11 3.8b 59 1-149
IDC VIII 29 03 00 23.6–1.7 12.12N 88.77W 0 4.1,3.8 ¶601755544
UCR VIII 29 03 00 28.4–1.6 12.09N 88.86W 36–999 4.6,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=19.7km az=39.0.
UCR Error ellipse: s-maj=11.5km s-min=6.4km az=-1.0.
ISC VIII 29 05 55 29.0–.62 12.29N–.06 88.54W–.05 35 4.3b,3.3s 232 1-149

ISCJB VIII 29 05 55 26.5–.37 12.20N–.04 88.61W–.04 35 4.2b,3.4s **¶601643064**
UCR VIII 29 05 55 28.5–2.1 12.30N 88.53W 33–16 4.4,4.4b
NEIC VIII 29 05 55 29.4–.51 12.32N 88.56W 35 4.4b,4.4b
IDC VIII 29 05 55 30.8–2.5 12.57N 88.23W 40–23 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.4km az=39.0.
UCR Error ellipse: s-maj=8.3km s-min=8.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.0km az=30.0.
IDC Error ellipse: s-maj=47.1km s-min=20.0km az=42.0.
ISC VIII 29 08 39 38.9–.60 12.61N–.07 88.95W–.05 39–5 4.4b,3.5s 330 1-138
IDC VIII 29 08 39 34.7–1.7 12.87N 88.68W 0 4.2,4.1b **¶601643065**
UCR VIII 29 08 39 35.8–1.1 12.51N 89.03W 14–6 4.4b,3.7L
ISCJB VIII 29 08 39 37.5–.54 12.53N–.04 88.95W–.03 51–3 4.3b,3.4s
NEIC VIII 29 08 39 39.3–.36 12.71N 88.90W 35 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=16.0km az=40.0.
UCR Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.6km az=37.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.9km az=34.0.
ISC VIII 29 18 52 08.0–.84 12.23N–.08 88.48W–.06 35 4.2b,3.4s 52 1-149
IDC VIII 29 18 52 03.5–2.7 12.52N 88.12W 0 4.2,3.9 **¶601755573**
UCR VIII 29 18 52 05.3–1.3 12.11N 88.58W 22–20 3.6L,3.9
ISCJB VIII 29 18 52 05.3–.69 12.06N–.07 88.60W–.04 35 4.0b,3.3s
NEIC VIII 29 18 52 10.2–1.3 12.47N 88.39W 41–12 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=45.2km az=33.0.
UCR Error ellipse: s-maj=9.2km s-min=7.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=3.9km az=24.6.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=8.8km az=215.0.
ISC VIII 29 19 27 01.7–.66 12.46N–.07 88.72W–.06 35 4.1b 48 1-148
IDC VIII 29 19 26 57.0–.77 12.78N 88.33W 0 4.2,4.0 **¶601755576**
UCR VIII 29 19 26 57.7–2.8 12.17N 88.97W 36–999 4.4b,3.9L
NEIC VIII 29 19 27 02.1–1.0 12.73N 88.43W 35–10 4.4b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=12.1km az=50.0.
UCR Error ellipse: s-maj=31.1km s-min=18.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=7.6km az=52.0.
ISC VIII 30 00 16 56.6–2.0 12.03N–.07 88.83W–.06 20–16 4.3b 44 2-33
ISCJB VIII 30 00 16 55.5–1.6 11.95N–.05 88.81W–.04 24–15 4.2b **¶601653037**
UCR VIII 30 00 16 56.3–1.6 11.93N 88.88W 36–999 4.2b,3.6L
NEIC VIII 30 00 16 58.7–1.1 12.02N 88.75W 35 4.2b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.7km az=32.7.
UCR Error ellipse: s-maj=12.2km s-min=7.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.4km az=206.0.
ISC VIII 30 00 27 01.2–1.1 12.11N–.06 88.15W–.05 48–11 4.4b,3.2s 215 1-149
IDC VIII 30 00 26 56.6–1.2 12.74N 87.72W 0 4.2,4.0 **¶601650911**
UCR VIII 30 00 26 58.7–2.8 12.09N 88.24W 81–52 4.4b,4.3
ISCJB VIII 30 00 26 59.2–.48 12.10N–.04 88.18W–.04 54–3 4.4b,3.2s
NEIC VIII 30 00 27 00.8–.57 12.23N 88.12W 35 4.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=19.1km az=37.0.
UCR Error ellipse: s-maj=18.0km s-min=11.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=3.5km az=35.8.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.4km az=32.0.
UCR VIII 30 08 11 26.0–1.7 12.26N 88.52W 33–15 4.3,3.4L
¶603790836
UCR Error ellipse: s-maj=6.7km s-min=6.8km az=-1.0.
ISC VIII 30 09 03 01.3–1.7 12.28N–.06 88.47W–.05 31–12 4.3b,3.4s 260 1-149
IDC VIII 30 09 02 57.7–1.3 12.58N 88.19W 0 4.1,3.8 **¶601650914**
UCR VIII 30 09 03 00.9–1.9 12.26N 88.51W 40–999 4.4,4.4b
ISCJB VIII 30 09 03 00.4–.42 12.22N–.03 88.49W–.03 48–3 4.3b,3.4s
NEIC VIII 30 09 03 02.2–.45 12.36N 88.45W 35 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=18.7km az=41.0.
UCR Error ellipse: s-maj=15.1km s-min=9.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=2.7km az=37.7.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.6km az=207.0.
UCR VIII 30 13 42 43.2–1.2 12.96N 88.46W 73–21 3.5,3.2L
¶603790837
UCR Error ellipse: s-maj=19.7km s-min=8.7km az=-1.0.
ISC VIII 30 15 44 28.3–3.3 12.33N–.07 89.09W–.05 3–24 4.5b 71 1-148
UCR VIII 30 15 44 30.3–.98 12.33N 89.11W 11–6 4.4b,3.5L **¶601755628**
NEIC VIII 30 15 44 37.9–1.1 12.92N 88.83W 37–10 4.4b,3.5L
IDC VIII 30 15 44 40.0–4.3 13.83N 88.14W 39–45 3.9,3.8b
ISC Event type se.
UCR Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.2km az=208.0.
IDC Error ellipse: s-maj=139.6km s-min=19.7km az=45.0.
UCR VIII 30 21 30 19.7–2.9 12.44N 88.37W 137–42 3.6,3.2L
¶603790839
UCR Error ellipse: s-maj=40.3km s-min=22.0km az=-1.0.
ISC IX 01 01 56 30.8–.59 12.01N–.06 88.53W–.06 33 4.5b 283 1-149
IDC IX 01 01 56 27.9–1.1 12.52N 88.02W 0 3.9,3.8 **¶601684021**
ISCJB IX 01 01 56 28.2–.38 11.92N–.04 88.59W–.04 33 4.7s,4.4b
UCR IX 01 01 56 29.5–1.8 12.01N 88.56W 35–999 4.5b,4.4
NEIC IX 01 01 56 30.9–.86 11.97N 88.51W 40–8 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=15.4km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=40.5.
UCR Error ellipse: s-maj=13.9km s-min=10.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.6km az=208.0.
ISC IX 01 08 35 35.5–.96 12.05N–.10 88.35W–.05 38–2 4.3b 173 1-149
IDC IX 01 08 35 31.4–1.7 12.35N 88.03W 0 4.2,3.9 **¶601685278**
ISCJB IX 01 08 35 33.0–.82 11.94N–.06 88.39W–.04 41–4 4.2b,3.9
UCR IX 01 08 35 34.3–1.2 12.15N 88.35W 83–36 4.2b,3.8
NEIC IX 01 08 35 35.0–.86 12.01N 88.27W 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=21.8km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=4.5km az=28.5.
UCR Error ellipse: s-maj=18.8km s-min=9.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.2km az=202.0.
UCR IX 01 08 59 15.6–2.4 12.38N 88.72W 33–19 3.7,3.4L
¶603790845
UCR Error ellipse: s-maj=11.7km s-min=8.0km az=-1.0.
ISC IX 01 11 55 29.9–.51 12.49N–.06 88.92W–.05 40 4.6b,3.9s 542 1-148
IDC IX 01 11 55 23.3–1.1 12.57N 88.48W 0 4.4,4.2 **¶601670024**
ISCJB IX 01 11 55 28.7–.28 12.53N–.03 88.91W–.02 40 4.6b,3.9s
UCR IX 01 11 55 28.4–1.9 12.47N 89.04W 23–12 4.6b,4.0L
NEIC IX 01 11 55 30.3–.37 12.59N 88.82W 35 4.6b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=21.3km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.6km az=28.5.
UCR Error ellipse: s-maj=5.5km s-min=7.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=196.0.
ISC IX 01 15 54 43.0–1.1 12.59N–.06 88.30W–.04 52–9 4.2b,3.8s 267 1-148
IDC IX 01 15 54 35.4–.71 12.83N 87.61W 0 4.3,4.1b **¶601676529**
ISCJB IX 01 15 54 41.6–.39 12.50N–.03 88.33W–.03 56–2 4.2b,3.7s
NEIC IX 01 15 54 41.0–.40 12.46N 88.35W 35 4.4,4.4b
UCR IX 01 15 54 42.6–1.6 12.58N 88.31W 34–14 4.4b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=36.4km s-min=15.6km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=2.9km az=34.5.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=4.8km az=36.0. Felt [I] at San Salvador. Also felt at San Vicente.
UCR Error ellipse: s-maj=6.0km s-min=4.6km az=-1.0.
ISC IX 01 22 14 32.4–1.5 12.37N–.07 88.72W–.07 50–14 3.7b 38 1-148
ISCJB IX 01 22 14 29.2–.79 12.23N–.05 88.89W–.05 41–10 3.7b,3.2s **¶601862745**
UCR IX 01 22 14 29.3–2.0 12.43N 88.82W 103–44 4.1,3.9L
IDC IX 01 22 14 34.5–2.3 12.56N 88.34W 67–22 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.7km az=42.6.
UCR Error ellipse: s-maj=24.7km s-min=13.4km az=-1.0.
IDC Error ellipse: s-maj=49.7km s-min=14.4km az=43.0.
ISC IX 02 19 44 24.2–2.1 12.38N–.07 88.87W–.06 11–12 3.8b,3.1s 40 1-148
ISCJB IX 02 19 44 24.2–1.7 12.29N–.06 88.89W–.05 22–16 3.7b,3.1s **¶601862805**
UCR IX 02 19 44 25.1–1.3 12.35N 88.89W 22–12 3.6L,3.6
IDC IX 02 19 44 29.6–2.4 12.61N 88.65W 45–21 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.5km az=36.0.
UCR Error ellipse: s-maj=8.4km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=42.4km s-min=22.8km az=45.0.
ISC IX 03 06 18 52.6–2.3 11.97N–.07 88.81W–.06 7–13 3.5b 48 1-138
IDC IX 03 06 18 52.2–2.1 12.00N 88.79W 0 3.9,3.8L **¶601862841**
UCR IX 03 06 18 56.0–1.3 11.94N 88.87W 36–999 4.2,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=21.2km az=37.0.
UCR Error ellipse: s-maj=10.0km s-min=5.8km az=-1.0.
UCR IX 04 12 13 20.7–1.2 12.26N 88.84W 31–21 4.6b,3.6L
¶603790848
UCR Error ellipse: s-maj=12.0km s-min=8.5km az=-1.0.
ISC IX 04 20 09 02.4–4.5 11.67N–.06 89.08W–.05 12–28 4.3b,3.2s 79 2-149
ISCJB IX 04 20 09 00.3–1.2 11.55N–.04 89.18W–.03 11–9 4.2b,3.3s **¶601839164**
IDC IX 04 20 09 00.4–.96 11.62N 89.12W 0 4.2,3.9
UCR IX 04 20 09 02.6–1.1 11.70N 89.10W 6–9 4.4b,3.9
NEIC IX 04 20 09 04.5–1.9 11.67N 89.08W 26–13 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.5km az=20.1.
IDC Error ellipse: s-maj=48.4km s-min=18.9km az=57.0.
UCR Error ellipse: s-maj=10.0km s-min=7.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.2km az=210.0.
UCR IX 05 20 21 08.2–1.0 12.08N 88.38W 53–79 3.8,3.2L
¶603790852
UCR Error ellipse: s-maj=11.4km s-min=7.1km az=-1.0.
UCR IX 06 00 15 02.7–1.1 11.92N 88.94W 25–24 3.8,3.2L
¶603790854
UCR Error ellipse: s-maj=12.3km s-min=7.3km az=-1.0.
UCR IX 06 00 58 00.5–1.4 12.96N 89.16W 31–6 4.1L
¶603790855
UCR Error ellipse: s-maj=5.0km s-min=5.1km az=-1.0.
ISC IX 06 05 15 32.7–6.5 12.8N–.80 88.3W–.30 35 3.5b 6 3-38
IDC IX 06 05 15 31.9–13 13.39N 88.11W 0 3.9,3.6 **¶601863029**
ISC Event type ke.
IDC Error ellipse: s-maj=236.3km s-min=52.5km az=176.0.
ISC IX 06 06 47 33.5–1.1 12.36N–.04 88.60W–.04 31–7 4.9b,4.3s 932 1-148
IDC IX 06 06 47 29.0–.48 12.53N 88.36W 0 4.8,4.7 **¶601676734**
MOS IX 06 06 47 32.5–1.2 12.43N 88.43W 33 5.1b,4.7
ISCJB IX 06 06 47 32.3–.17 12.41N–.02 88.56W–.02 33 4.8b,4.3s
UCR IX 06 06 47 33.1–1.4 12.33N 88.68W 36–999 4.9b,4.6L
NEIC IX 06 06 47 34.5–.21 12.37N 88.52W 35 4.9b,4.8
GCMT IX 06 06 47 34.5–.80 12.36N–.04 88.67W–.05 28–1 5.0W,4.8
BJI IX 06 06 47 35.5 12.40N 88.50W 35 5.3b,5.1
ISC Event type fe.
IDC Error ellipse: s-maj=25.0km s-min=9.7km az=58.0.
MOS Error ellipse: s-maj=12.5km s-min=4.9km az=115.3.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.8km az=36.6.
UCR Error ellipse: s-maj=9.6km s-min=5.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=214.0. Felt [I] at Usulutan.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s59,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.86±.25 $M_{\theta\theta}$1.02±.15; $M_{\phi\phi}$1.85±.17; $M_{r\theta}$2.45±.27; $M_{\theta\phi}$-1.04±.10; $M_{\phi r}$-1.56±.22; Best double couple: NP1:ϕ_s310.00000°,δ69.00000° ,λ-100.00000°. NP2:ϕ_s156.00000°,δ23.00000°,λ-66.00000°. Principal axes:
T 3.7060,Plg23.0000°,Azm48.0000°; N 0.5100,Plg9.0000°,Azm313.0000°
; P -4.2050,Plg65.0000°,Azm203.0000° $M_0$3.95600×10^{16}
ISC IX 06 11 38 54.8–.53 12.42N–.04 88.64W–.04 20–2 4.4b,3.3s 377 1-148
UCR IX 06 11 38 55.6–1.9 12.39N 88.64W 24–9 4.4b,4.0L **¶601685415**
IDC IX 06 11 38 55.9–.66 12.50N 88.47W 26–4 4.3,4.2
NEIC IX 06 11 38 57.7–.48 12.42N 88.52W 42–4 4.4b,4.2
ISC Event type se.
UCR Error ellipse: s-maj=5.5km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=10.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=217.0.
ISC IX 06 23 30 01.8–.81 12.35N–.05 88.47W–.05 54–7 5.0s,4.8b 941 1-149
UCR IX 06 23 29 57.6–2.2 12.22N 88.60W 20–9 4.8b,4.3L **¶601687277**
IDC IX 06 23 30 01.2–1.4 12.46N 88.39W 45–13 4.5,4.5
MOS IX 06 23 30 01.3–1.0 12.37N 88.35W 62 4.9b,4.5
ISCJB IX 06 23 30 01.2–.32 12.39N–.02 88.36W–.02 65–2 4.7b,4.5
NEIC IX 06 23 30 03.0–.48 12.37N 88.33W 62–4 4.8b,4.5
GCMT IX 06 23 30 03.0–.30 12.09N–.02 88.89W–.02 13–0 5.2W,4.5
BJI IX 06 23 30 04.0 12.40N 88.30W 65 5.2W,4.5
ISC Event type fe.
UCR Error ellipse: s-maj=6.2km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=19.2km s-min=7.9km az=47.0.
MOS Error ellipse: s-maj=12.8km s-min=5.3km az=112.2.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=41.2.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=214.0. Felt [I] at San Salvador.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c104; s76,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.57±.19 $M_{\theta\theta}$-5.19±.16; $M_{\phi\phi}$-0.38±.17; $M_{r\theta}$2.98±.43; $M_{\theta\phi}$1.62±.14; $M_{\phi r}$-3.89±.49; Best double couple: NP1:ϕ_s128.00000°,δ66.00000°,λ108.00000°. NP2:ϕ_s270.00000°,δ30.00000°,λ56.00000°. Principal axes: T 7.8040,Plg65.0000°
,Azm68.0000°; N -0.7400,Plg16.0000°,Azm301.0000°; P -7.0660,Plg19.0000°
,Azm205.0000° $M_0$7.43500×10^{16}
ISC IX 07 19 12 24.4–.81 12.46N–.05 88.75W–.04 53–7 4.6b,3.9s 716 1-148
UCR IX 07 19 12 20.4–1.4 12.34N 88.93W 20–4 4.7b,4.3L **¶601695789**
ISCJB IX 07 19 12 23.4–.36 12.47N–.03 88.75W–.02 61–2 4.7b,4.3L
MOS IX 07 19 12 23.5–1.1 12.55N 88.67W 53 4.8b,4.3L
NEIC IX 07 19 12 25.0–.42 12.50N 88.67W 58–4 4.7b,4.4
IDC IX 07 19 12 25.1–2.1 12.66N 88.55W 50–19 4.4,4.3
ISC Event type fe.
UCR Error ellipse: s-maj=3.8km s-min=3.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.5km az=34.7.
MOS Error ellipse: s-maj=13.2km s-min=5.4km az=109.3.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=210.0. Felt [I] at San Vicente.
IDC Error ellipse: s-maj=24.2km s-min=10.6km az=49.0.
ISC IX 08 02 27 21.3–.70 12.11N–.07 88.57W–.06 33 4.2b 125 1-149
ISCJB IX 08 02 27 18.4–.54 11.99N–.05 88.64W–.04 33 4.0b,3.2s **¶601699563**
IDC IX 08 02 27 18.8–1.6 12.53N 88.42W 0 4.1,3.8
UCR IX 08 02 27 20.4–1.2 12.11N 88.60W 35–999 4.2,4.2b
NEIC IX 08 02 27 21.4–1.4 12.06N 88.50W 41–12 4.2b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=26.9.
IDC Error ellipse: s-maj=45.5km s-min=27.2km az=49.0.
UCR Error ellipse: s-maj=12.5km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.5km az=225.0.
UCR IX 08 11 05 39.2–1.3 12.37N 88.71W 28–14 3.9L
¶603790861
UCR Error ellipse: s-maj=7.1km s-min=5.2km az=-1.0.
ISC IX 09 09 50 00.1–1.6 12.59N–.05 88.69W–.04 14–9 4.2b 131 1-148
IDC IX 09 09 49 56.4–1.2 12.87N 88.16W 0 4.2,3.9 **¶601735795**
NEIC IX 09 09 50 01.6–.56 12.52N 88.61W 35 4.2b,4.1
UCR IX 09 09 50 02.3–2.1 12.64N 88.69W 35–999 4.6,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=38.0km s-min=17.5km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=6.0km az=211.0. Felt [I] at Usulutan.
UCR Error ellipse: s-maj=10.4km s-min=6.4km az=-1.0.
ISC IX 09 11 08 44.3–1.3 12.42N–.07 89.06W–.06 44–11 4.4b,3.9s 254 1-148
UCR IX 09 11 08 37.3–1.9 12.24N 89.16W 2–10 4.4b,3.8 **¶601735796**
IDC IX 09 11 08 38.9–1.0 12.78N 88.63W 0 4.1,3.9b
ISCJB IX 09 11 08 41.8–.64 12.34N–.05 89.01W–.04 57–3 4.3b,3.9s
NEIC IX 09 11 08 44.0–.50 12.56N 88.94W 35 4.4b,3.9s

ISC Event type se.
UCR Error ellipse: s-maj=9.3km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=36.3km s-min=18.7km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.2km az=38.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.1km az=213.0.
ISC IX 09 16 07 57.7–2.4 12.82N–.09 90.06W–.08 4–13 36 1-137
IDC IX 09 16 07 58.0–3.5 13.47N 89.56W 0 3.9,3.5 ¶601863244
UCR IX 09 16 08 03.0–3.9 12.82N 89.82W 41–602 4.1,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=142.2km s-min=22.5km az=65.0.
UCR Error ellipse: s-maj=43.1km s-min=31.0km az=-1.0.
ISC IX 09 22 57 54.6–.54 12.29N–.06 88.84W–.05 38–2 4.6b,3.6s 407 1-148
IDC IX 09 22 57 49.8–.71 12.51N 88.47W 0 4.4,4.2 ¶601698220
UCR IX 09 22 57 53.2–1.6 12.23N 88.97W 37–999 4.6b,3.7L
ISCJB IX 09 22 57 54.3–.52 12.31N–.04 88.78W–.03 54–3 4.5b,3.5s
NEIC IX 09 22 57 59.3–.89 12.47N 88.54W 74–7 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=17.2km az=52.0.
UCR Error ellipse: s-maj=17.0km s-min=9.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.2km az=36.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=220.0.
ISC IX 10 11 31 16.6–1.4 12.35N–.06 88.76W–.05 28–9 4.7b,3.9s 540 1-148
IDC IX 10 11 31 12.3–.71 12.66N 88.23W 0 4.5,4.3b ¶601698294
ISCJB IX 10 11 31 15.4–.28 12.37N–.03 88.78W–.02 33 4.7b,3.9s
UCR IX 10 11 31 15.8–2.1 12.31N 88.82W 18–8 4.7b,4.5
NEIC IX 10 11 31 19.4–.55 12.40N 88.69W 52–4 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=14.2km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.6km az=29.9.
UCR Error ellipse: s-maj=6.8km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=214.0.
ISC IX 10 13 15 30.9–.61 12.32N–.06 88.91W–.06 40 4.5b,3.2s 157 1-148
IDC IX 10 13 15 26.9–1.0 12.66N 88.50W 0 4.2,4.0 ¶601734475
ISCJB IX 10 13 15 27.9–.44 12.26N–.04 88.90W–.04 40 4.4b,3.3s
UCR IX 10 13 15 28.0–1.1 12.31N 88.91W 21–25 4.5b,3.2L
NEIC IX 10 13 15 31.1–2.2 12.48N 88.79W 35–16 4.5b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=19.3km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=39.7.
UCR Error ellipse: s-maj=12.7km s-min=9.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.6km az=217.0.
ISC IX 10 22 22 05.9–.82 12.87N–.06 88.37W–.05 71–7 4.2b 233 1-148
ISCJB IX 10 22 22 04.2–.35 12.74N–.03 88.47W–.03 70–2 4.1b ¶601757199
NEIC IX 10 22 22 04.0–.00 12.75N 88.47W 56 4.4,4.2b
UCR IX 10 22 22 05.1–1.9 12.92N 88.37W 76–18 4.4,4.3L
IDC IX 10 22 22 06.0–1.4 13.05N 88.18W 73–13 4.2,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=2.8km az=41.1.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
UCR Error ellipse: s-maj=12.0km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=9.1km az=50.0.
ISC IX 12 01 13 24.4–.72 11.96N–.05 88.87W–.04 27–4 4.6b,3.1s 529 2-151
IDC IX 12 01 13 20.1–.57 12.04N 88.69W 0 4.5,4.3 ¶601707464
UCR IX 12 01 13 22.4–1.9 11.98N 88.97W 3–10 4.6b,4.4
ISCJB IX 12 01 13 23.1–.23 12.03N–.03 88.92W–.02 25 4.5b,3.2s
NEIC IX 12 01 13 27.4–.66 12.01N 88.75W 50–6 4.6b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=11.7km az=55.0.
UCR Error ellipse: s-maj=6.3km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.3km az=33.1.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.5km az=46.0.
UCR IX 13 05 15 06.6–5.5 12.40N 90.22W 10–44 3.5L
¶603790882
UCR Error ellipse: s-maj=22.8km s-min=35.3km az=-1.0.
ISC IX 16 18 33 21.7–3.3 12.40N–.06 89.40W–.05 16–20 4.4b,3.4s 275 1-148
IDC IX 16 18 33 22.7–1.4 13.28N 88.68W 0 4.3,4.0 ¶601734499
UCR IX 16 18 33 22.7–1.8 12.63N 89.36W 111–46 4.5b,3.8L
NEIC IX 16 18 33 25.5–1.1 12.50N 89.28W 52–8 4.5b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=17.9km az=35.0.
UCR Error ellipse: s-maj=31.9km s-min=12.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.5km az=212.0.
ISC IX 16 23 22 24.5–.64 12.40N–.06 89.37W–.06 40 4.5b,3.2s 84 1-148
IDC IX 16 23 22 17.8–2.8 12.34N 88.88W 0 4.1,3.8 ¶601734504
UCR IX 16 23 22 19.8–2.2 12.30N 89.65W 20 4.4b,4.2
ISCJB IX 16 23 22 22.9–.47 12.42N–.05 89.33W–.05 40 4.4b,3.2s
NEIC IX 16 23 22 26.2–.58 12.58N 89.18W 48–5 4.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=30.3km az=20.0.
UCR Error ellipse: s-maj=6.4km s-min=11.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.8km az=40.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=3.9km az=215.0.
ISC IX 17 18 02 57.6–1.6 12.88N–.08 90.30W–.07 55–13 4.5b 209 1-148
UCR IX 17 18 02 51.8–2.2 12.95N 90.46W 116–77 4.4b,4.1L ¶601721532
NEIC IX 17 18 02 59.3–1.1 13.12N 89.88W 60–10 4.4b,4.1L
IDC IX 17 18 02 59.9–2.0 13.23N 89.78W 59–18 4.2,4.2
ISC Event type se.
UCR Error ellipse: s-maj=58.0km s-min=20.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=7.3km az=49.0.
IDC Error ellipse: s-maj=28.7km s-min=14.3km az=49.0.
ISC IX 18 00 14 22.8–2.0 12.04N–.10 88.51W–.07 28–16 3.8b 33 1-138
ISCJB IX 18 00 14 22.4–1.8 12.10N–.08 88.61W–.05 15–19 3.6b,3.2s ¶601863739
UCR IX 18 00 14 24.2–1.3 12.14N 88.62W 27–12 3.4L,3.2s
IDC IX 18 00 14 38.5–6.8 13.41N 88.53W 75–41 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=4.8km az=27.6.
UCR Error ellipse: s-maj=8.9km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=71.0km s-min=40.6km az=171.0.
UCR IX 18 00 52 13.4–1.2 12.00N 88.95W 31–12 3.8,3.7L
¶603790900
UCR Error ellipse: s-maj=7.2km s-min=5.1km az=-1.0.
ISC IX 18 08 20 42.7–.58 12.46N–.06 89.32W–.06 47 4.4b,3.1s 310 1-148
UCR IX 18 08 20 39.5–.84 12.37N 89.43W 35–6 4.5b,3.7L ¶601722611
ISCJB IX 18 08 20 40.4–.41 12.45N–.04 89.32W–.03 47 4.4b,3.1s
NEIC IX 18 08 20 41.8–.55 12.48N 89.29W 35 4.5b,3.1s
IDC IX 18 08 20 42.4–5.2 12.71N 89.04W 33–39 4.1,4.0
ISC Event type se.
UCR Error ellipse: s-maj=3.9km s-min=3.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=23.8.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=206.0.
IDC Error ellipse: s-maj=27.8km s-min=15.0km az=50.0.
ISC IX 19 19 40 04.0–.92 12.51N–.09 88.68W–.07 35 3.8b 25 1-148
IDC IX 19 19 39 59.5–1.5 12.72N 88.44W 0 4.0,3.8b ¶601863847
UCR IX 19 19 40 00.4–1.4 12.40N 88.73W 15–10 3.5L,3.8b
ISCJB IX 19 19 40 01.8–.82 12.39N–.08 88.73W–.06 35 3.7b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 20 11 55 56.2–1.4 12.42N–.07 89.38W–.07 10 26 1-148
ISCJB IX 20 11 55 53.4–.96 12.26N–.06 89.50W–.06 10 3.6b ¶601863888
UCR IX 20 11 55 53.9–1.1 12.32N 89.45W 3–8 3.7L
IDC IX 20 11 55 57.8–1.6 13.83N 88.14W 0 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.9km az=44.0.
UCR Error ellipse: s-maj=5.8km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=96.8km s-min=26.4km az=38.0.
ISC IX 20 15 08 30.8–1.3 12.8N–.10 88.39W–.05 61–11 3.5b 48 1-139
ISCJB IX 20 15 08 30.1–.58 12.82N–.08 88.38W–.04 74–6 3.5b ¶601863900
UCR IX 20 15 08 30.5–1.5 12.79N 88.40W 56–25 4.0L
IDC IX 20 15 08 35.9–1.4 13.21N 88.36W 91–23 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=3.3km az=24.0.
UCR Error ellipse: s-maj=12.5km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=79.6km s-min=11.7km az=39.0.
ISC IX 21 11 12 04.2–1.3 12.11N–.07 88.84W–.06 47–16 4.3b 71 1-30
UCR IX 21 11 12 01.6–1.6 12.11N 88.89W 22–17 4.3b,4.0 ¶601736781
ISCJB IX 21 11 12 02.4–.60 12.09N–.04 88.84W–.04 39–6 4.4b,4.0
NEIC IX 21 11 12 04.3–.39 12.14N 88.77W 35 4.3b,4.0
ISC Event type se.
UCR Error ellipse: s-maj=7.2km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=40.4.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=214.0.
ISC IX 22 14 56 60.0–2.3 12.97N–.07 89.62W–.09 28–13 49 1-23
NEIC IX 22 14 57 01.0–.00 13.05N 89.56W 32 4.3 ¶601739626
UCR IX 22 14 57 01.7–1.4 13.01N 89.53W 30–4 4.2L,3.9
ISC Event type fe.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
UCR Error ellipse: s-maj=3.6km s-min=5.3km az=-1.0.
ISC IX 23 08 52 53.3–1.1 12.61N–.06 88.63W–.04 46–11 4.2b,3.6s 104 1-148
IDC IX 23 08 52 44.4–2.0 12.40N 88.22W 0 4.0,3.7 ¶601751126
ISCJB IX 23 08 52 52.0–.44 12.59N–.04 88.64W–.03 46–4 4.1b,3.6s
UCR IX 23 08 52 52.5–1.8 12.70N 88.62W 69–30 4.2b,3.9L
NEIC IX 23 08 52 53.8–.77 12.65N 88.57W 44–8 4.2b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=54.6km s-min=38.8km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.2km az=38.8.
UCR Error ellipse: s-maj=12.1km s-min=6.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=6.4km az=206.0. Felt [I] at Usulutan.
ISC X 01 01 32 36.7–.75 2.41N–.08 84.54W–.10 35 4.0b,3.6s 45 8-138
IDC X 01 01 32 31.8–.93 2.20N 84.88W 0 4.2,3.9 ¶601775506
NEIC X 01 01 32 33.0–.61 2.17N 84.77W 10 4.1b,3.9
ISCJB X 01 01 32 34.7–.59 2.37N–.08 84.44W–.05 33 4.0b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 02 03 10 50.0–.68 12.08N–.06 88.19W–.04 38–1 4.6b,3.5s 447 1-149
IDC X 02 03 10 45.3–.92 12.40N 87.87W 0 4.4,4.2 ¶601776153
UCR X 02 03 10 47.5–.99 11.96N 88.34W 31–10 4.6b,3.7L
ISCJB X 02 03 10 48.8–.48 12.06N–.04 88.22W–.03 52–3 4.5b,3.5s
NEIC X 02 03 10 51.4–.82 12.12N 88.11W 47–8 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=14.3km az=45.0.
UCR Error ellipse: s-maj=6.6km s-min=4.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.3km az=31.4.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.3km az=223.0.
ISC X 03 06 26 37.4–.74 12.01N–.06 88.01W–.05 35 4.1b 58 1-149
IDC X 03 06 26 33.1–1.3 11.94N 88.04W 0 3.9,3.7b ¶601906644
ISCJB X 03 06 26 34.6–.54 11.86N–.05 88.09W–.03 35 4.0b,3.0s
UCR X 03 06 26 34.2–1.5 11.86N 88.16W 35–21 4.2b,3.5L
NEIC X 03 06 26 40.7–.86 12.32N 87.85W 61–9 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=55.8km s-min=17.2km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.6km az=24.9.
UCR Error ellipse: s-maj=10.3km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.1km az=222.0.
ISC X 04 14 26 13.7–2.1 12.59N–.09 88.66W–.05 17–11 42 1-14
NEIC X 04 14 26 15.0–.00 12.62N 88.64W 37 3.6 ¶601839922
UCR X 04 14 26 16.3–1.4 12.64N 88.64W 37–999 3.7L
ISC Event type fe.
NEIC Event type fe. Felt [I] at Usulutan. After SNET.
UCR Error ellipse: s-maj=12.2km s-min=5.9km az=-1.0.
ISC X 05 18 22 54.2–.43 12.95N–.03 91.74W–.03 23–2 5.4b,4.7s 1630 2-163
UCR X 05 18 22 52.0–1.9 13.08N 91.76W 10 5.4b,4.7L ¶601792802
GCMT X 05 18 22 53.0–.10 12.93N–.01 92.02W–.01 12 5.5W,4.7L
ISCJB X 05 18 22 54.1–.12 13.14N–.01 91.55W–.01 28 5.4b,4.7s
MOS X 05 18 22 55.0–1.2 13.01N 91.64W 36 5.6b,4.6s
BJI X 05 18 22 55.8 13.00N 91.60W 31 5.6b,5.4s
NEIC X 05 18 22 56.8–.33 13.03N 91.50W 41–2 5.5W,5.4b
IDC X 05 18 22 57.6–2.0 13.00N 91.55W 46–17 5.1,5.0
ISC Event type fe.
UCR Error ellipse: s-maj=8.0km s-min=8.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c199; s132,c268;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.02±.02 $M_{\theta\theta}$1.47±.02; $M_{\phi\phi}$0.54±.02; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-1.06±.02; $M_{\phi r}$0.14±.05; Best double couple: NP1:ϕ_s295.00000°,δ48.00000°,λ-101.00000°. NP2:ϕ_s132.00000°,δ43.00000°,λ-78.00000°. Principal axes: T 2.1710,Plg2.0000° ,Azm33.0000°; N -0.1060,Plg8.0000°,Azm303.0000°; P -2.0670,Plg81.0000°,Azm138.0000° M_o2.11900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=30.7.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=104.9.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=212.0. Felt [I] at San Salvador, El Salvador. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}0.50 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.88 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.40 Best double couple: NP1:ϕ_s37.00000°,δ61.00000° ,λ166.00000°. NP2:ϕ_s134.00000°,δ77.00000°,λ30.00000°. Principal axes: T 2.0200,Plg30.0000°,Azm359.0000°; N 0.1000,Plg58.0000°,Azm155.0000° ; P -2.1200,Plg11.0000°,Azm263.0000° M_o2.10000×10^{17}
IDC Error ellipse: s-maj=17.7km s-min=8.3km az=52.0.
UCR X 06 17 11 10.0–1.1 12.73N 88.01W 69–8 4.3L
NEIC X 06 17 11 10.0–.00 12.62N 88.08W 44 4.2 ¶601906658
UCR Error ellipse: s-maj=7.4km s-min=3.5km az=-1.0.
NEIC Event type fe. Felt [I] at San Miguel. After SNET.
ISC X 06 22 55 04.1–.82 12.95N–.06 88.76W–.04 64–7 3.9b 72 0-148
ISCJB X 06 22 55 02.7–.45 12.89N–.05 88.78W–.04 69–4 3.8b ¶601810580
UCR X 06 22 55 03.2–1.3 12.88N 88.81W 32–3 4.2L,4.0b
NEIC X 06 22 55 03.0–.00 12.92N 88.81W 34 4.2,4.0b
IDC X 06 22 55 06.3–1.7 13.16N 88.51W 88–16 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.5km az=34.6.
UCR Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
NEIC Event type fe. Felt [II] at Zacatecoluca. After SNET.
IDC Error ellipse: s-maj=37.8km s-min=13.3km az=46.0.
ISC X 07 09 16 46.9–1.4 12.27N–.06 89.38W–.05 25–9 4.5b 372 1-148
UCR X 07 09 16 44.8–1.2 12.28N 89.37W 8–10 4.5b,3.9L ¶601794221
IDC X 07 09 16 45.3–1.0 12.68N 89.20W 0 4.2,4.0
BJI X 07 09 16 48.0 12.40N 89.20W 35 4.2,4.0
NEIC X 07 09 16 49.3–.45 12.42N 89.23W 35 4.5b,4.0
ISC Event type se.
UCR Error ellipse: s-maj=4.2km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=38.8km s-min=14.4km az=48.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=215.0.
UCR X 11 15 20 12.4–1.1 12.78N 88.38W 62–21 3.5L
¶603790997
UCR Error ellipse: s-maj=13.2km s-min=6.0km az=-1.0.
ISC X 14 22 40 53.6–1.1 12.63N–.06 88.96W–.05 45–10 4.5b,3.7s 351 1-148
UCR X 14 22 40 46.8–1.7 12.36N 89.12W 14–8 4.5b,4.2L ¶601834416
ISCJB X 14 22 40 51.3–.51 12.59N–.04 88.98W–.03 39–3 4.5b,3.7s
IDC X 14 22 40 53.8–2.2 12.82N 88.77W 41–19 4.2,4.2
NEIC X 14 22 40 55.3–2.5 12.77N 88.84W 52–6 4.5b,4.4
ISC Event type fe.
UCR Error ellipse: s-maj=7.7km s-min=5.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=28.1.
IDC Error ellipse: s-maj=31.6km s-min=14.0km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=8.4km az=219.0. Felt [II] at Zacatecoluca.
ISC X 17 02 55 22.0–.50 12.49N–.06 88.86W–.05 40 4.4b,3.9s 317 1-148
IDC X 17 02 55 17.2–.89 12.77N 88.70W 0 4.3,4.1 ¶601837565
UCR X 17 02 55 18.6–1.4 12.39N 88.96W 11–12 4.4b,4.1L
ISCJB X 17 02 55 19.6–.35 12.44N–.04 88.91W–.03 40 4.4b,3.9s
NEIC X 17 02 55 22.9–.91 12.49N 88.80W 49–8 4.4b,4.3
ISC Event type fe.
IDC Error ellipse: s-maj=30.8km s-min=12.0km az=47.0.
UCR Error ellipse: s-maj=5.4km s-min=6.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.1km az=32.4.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.2km az=218.0. Felt [I] at San Salvador.

ISC X 19 07 42 28.3–1.5 12.24N–.08 88.49W–.06 43–13 4.2b,3.4s 213 1-149
IDC X 19 07 42 22.6–1.7 12.55N 87.94W 0 4.4,4.1 **¶601839074**
ISCJB X 19 07 42 26.4–.60 12.18N–.05 88.49W–.04 47–3 4.1b,3.4s
UCR X 19 07 42 26.2–1.3 12.20N 88.55W 63–43 4.3b,3.5L
NEIC X 19 07 42 28.5–.62 12.28N 88.43W 35 4.3b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=29.4km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.7km az=34.4.
UCR Error ellipse: s-maj=12.7km s-min=7.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.8km az=215.0.
UCR X 20 01 36 09.8–2.0 12.70N 88.30W 48–36 3.6,3.4L
¶603791021
UCR Error ellipse: s-maj=13.8km s-min=6.6km az=-1.0.
ISC X 21 20 28 18.1–.39 12.69N–.04 88.21W–.03 51–3 5.4b,4.8s 1299 1-166
BJI X 21 20 28 15.0 12.60N 88.30W 36 5.5s,5.3b **¶601841785**
UCR X 21 20 28 17.5–1.4 12.56N 88.34W 39–117 5.5b,5.1L
NEIC X 21 20 28 17.0–.00 12.56N 88.34W 36 5.5b,5.4W
ISCJB X 21 20 28 18.1–.21 12.63N–.02 88.24W–.01 67–1 5.2b,5.4W
IDC X 21 20 28 18.3–.56 12.86N 87.89W 52–4 5.0,4.9
MOS X 21 20 28 19.9–1.1 12.81N 87.99W 79 5.4b,4.6s
GCMT X 21 20 28 20.0–.10 12.49N–.01 88.54W–.01 44–0 5.5W,4.6s
ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Salvador. Also felt at Ayutuxtepeque, San Cristobal, San Luis and San Luis La Herradura. Felt at Ciudad Sandino and Santa Ana, Nicaragua. After SNET. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}1.28 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.06 $M_{\theta\phi}$0.71 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s120.00000°,δ47.00000°,λ91.00000°. NP2:ϕ_s298.00000°,δ43.00000°,λ89.00000°. Principal axes: T 1.2800,Plg88.0000° ,Azm62.0000°; N 0.2000,Plg1.0000°,Azm299.0000°; P -1.4800,Plg2.0000°,Azm209.0000° $M_0$1.40000×10^{17}
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c227; s123,c211;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.03 $M_{\theta\theta}$-1.55±.02; $M_{\phi\phi}$-0.34±.02; $M_{r\theta}$0.37±.02; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.29±.02; Best double couple: NP1:ϕ_s120.00000°,δ52.00000°,λ94.00000°. NP2:ϕ_s294.00000°,δ38.00000°,λ85.00000°. Principal axes: T 1.9590,Plg83.0000° ,Azm50.0000°; N 0.0720,Plg3.0000°,Azm298.0000°; P -2.0270,Plg7.0000°,Azm207.0000° $M_0$1.99300×10^{17}
ISC X 21 20 44 15.3–.52 12.65N–.04 88.29W–.04 54–4 5.1b 902 1-149
BJI X 21 20 44 13.0 12.60N 88.30W 38 5.3b,5.2s **¶602000677**
ISCJB X 21 20 44 15.2–.23 12.64N–.02 88.26W–.02 66–1 5.0b,5.2s
NEIC X 21 20 44 15.0–.00 12.59N 88.33W 38 5.3,5.1b
UCR X 21 20 44 15.7–2.0 12.67N 88.33W 54–30 5.1L,5.1b
IDC X 21 20 44 15.4–.66 12.89N 87.93W 50–5 4.8,4.7
GCMT X 21 20 44 18.0–.40 12.57N–.02 88.47W–.03 44–0 5.0W,4.7
MOS X 21 20 44 19.9–.87 12.74N 88.08W 61 5.0b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=35.9.
NEIC Event type fe. Felt [IV] at San Salvador. After SNET.
UCR Error ellipse: s-maj=9.8km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=9.3km az=49.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c41; s61,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.14±.21 $M_{\theta\theta}$-3.02±.13; $M_{\phi\phi}$-1.12±.15; $M_{r\theta}$0.75±.09; $M_{\theta\phi}$2.34±.13; $M_{\phi r}$-0.37±.09; Best double couple: NP1:ϕ_s122.00000°,δ50.00000°,λ88.00000°. NP2:ϕ_s306.00000°,δ40.00000°,λ92.00000°. Principal axes: T 4.2210,Plg84.0000° ,Azm17.0000°; N 0.4530,Plg2.0000°,Azm124.0000°; P -4.6730,Plg5.0000°,Azm214.0000° $M_0$4.44700×10^{16}
MOS Event type se. Error ellipse: s-maj=13.1km s-min=5.1km az=110.4.
ISC X 22 20 31 27.5–.46 12.10N–.06 88.08W–.06 35 4.6b,3.6s 201 1-149
IDC X 22 20 31 22.0–.61 12.15N 87.95W 0 4.6,4.3 **¶601881247**
ISCJB X 22 20 31 25.8–.35 12.16N–.04 88.06W–.04 35 4.5b,3.6s
UCR X 22 20 31 26.2–1.4 12.05N 88.14W 37–958 4.6b,4.3L
NEIC X 22 20 31 28.3–1.0 12.18N 87.98W 46–9 4.6b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=12.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.9km az=38.6.
UCR Error ellipse: s-maj=16.3km s-min=9.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.1km az=48.0.
UCR X 23 09 03 07.9–1.7 12.09N 88.08W 27–11 3.6L
¶603791029
UCR Error ellipse: s-maj=7.0km s-min=5.1km az=-1.0.
ISC X 25 15 36 32.1–2.9 12.04N–.07 88.99W–.06 9–17 42 2-149
IDC X 25 15 36 32.1–1.4 12.17N 88.95W 0 4.0,3.8 **¶601999622**
UCR X 25 15 36 33.4–1.6 11.98N 89.05W 70–85 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=22.7km az=47.0.
UCR Error ellipse: s-maj=20.1km s-min=9.8km az=-1.0.
ISC X 25 21 24 09.7–.77 12.48N–.06 88.97W–.06 40 4.2b,3.2s 77 1-148
UCR X 25 21 24 03.4–2.2 13.20N 88.70W 184–20 4.2b,4.0L **¶601999651**
ISCJB X 25 21 24 06.9–.68 12.40N–.07 89.05W–.06 40 4.1b,3.3s
IDC X 25 21 24 07.2–1.6 13.20N 88.32W 0 4.2,3.9
NEIC X 25 21 24 11.3–2.8 13.16N 88.33W 30–22 4.2b,3.9
ISC Event type se.
UCR Error ellipse: s-maj=46.2km s-min=23.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.7km az=40.9.
IDC Error ellipse: s-maj=48.3km s-min=20.3km az=39.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=8.6km az=218.0.
UCR X 26 11 03 06.3–1.8 12.63N 88.89W 28–5 3.7L
¶603791037
UCR Error ellipse: s-maj=5.4km s-min=4.3km az=-1.0.
ISC X 29 01 43 57.5–2.9 12.19N–.09 88.34W–.06 23–21 3.5b 37 1-138
ISCJB X 29 01 43 55.3–1.7 12.05N–.07 88.39W–.04 24–13 3.7b **¶602000184**
UCR X 29 01 43 56.0–1.1 12.10N 88.39W 23–5 3.5L
IDC X 29 01 43 56.8–2.0 12.86N 87.78W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.3km az=22.9.
UCR Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=72.6km s-min=27.4km az=44.0.
ISC X 29 01 54 29.9–.79 12.29N–.08 88.24W–.05 35 38 1-149
UCR X 29 01 54 25.8–1.2 12.11N 88.35W 14–6 3.5L **¶602000187**
IDC X 29 01 54 26.9–1.3 13.09N 87.44W 0 4.0,3.7
ISC Event type ke.
UCR Error ellipse: s-maj=5.1km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=47.4km s-min=18.5km az=42.0.
ISC X 29 14 35 14.9–.98 12.15N–.06 88.29W–.05 45–8 4.7b,3.7s 429 1-149
UCR X 29 14 35 12.9–1.9 12.15N 88.33W 24–16 4.8b,4.2L **¶601857876**
ISCJB X 29 14 35 13.6–.39 12.13N–.03 88.26W–.03 51–3 4.7b,3.9s
NEIC X 29 14 35 13.7–.31 12.09N 88.25W 35 4.8b,3.9s
IDC X 29 14 35 15.7–1.6 12.41N 87.99W 47–14 4.3,4.3
ISC Event type se.
UCR Error ellipse: s-maj=7.2km s-min=5.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=36.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=214.0.
IDC Error ellipse: s-maj=23.6km s-min=9.3km az=48.0.
ISC X 29 17 14 12.0–2.8 12.25N–.08 88.38W–.05 27–20 4.0b 42 1-149
IDC X 29 17 14 09.9–1.2 13.19N 87.70W 0 3.9s,3.8 **¶601897583**
UCR X 29 17 14 13.1–2.0 12.24N 88.39W 38–14 4.3b,3.4L
NEIC X 29 17 14 14.6–1.3 12.57N 88.15W 55–12 4.3b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=63.9km s-min=26.5km az=49.0.
UCR Error ellipse: s-maj=11.5km s-min=7.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=11.3km az=224.0.
UCR X 30 08 15 32.6–1.4 11.86N 89.07W 37–999 3.7,3.2L
¶603791051
UCR Error ellipse: s-maj=20.1km s-min=9.9km az=-1.0.
ISC X 30 12 53 36.4–1.4 12.36N–.08 88.32W–.05 50–12 4.2b 77 1-149
UCR X 30 12 53 33.1–1.6 12.25N 88.43W 22–6 4.2b,4.1 **¶601867012**
NEIC X 30 12 53 39.8–.98 12.49N 88.05W 70–8 4.2b,4.1
IDC X 30 12 53 39.4–2.6 13.01N 87.60W 56–25 3.9,3.7
ISC Event type se.
UCR Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.7km az=216.0.
IDC Error ellipse: s-maj=67.1km s-min=22.9km az=47.0.
ISC XI 01 19 33 57.7–1.4 12.27N–.07 88.39W–.05 43–14 3.8b 50 1-149
ISCJB XI 01 19 33 54.9–.78 12.10N–.06 88.44W–.05 44–8 4.0b,3.0s **¶602051241**
IDC XI 01 19 33 54.5–1.5 13.01N 87.81W 0 4.1,3.8
UCR XI 01 19 33 54.5–1.7 12.17N 88.45W 17–6 4.7b,3.6L
NEIC XI 01 19 33 58.6–.87 12.84N 87.94W 35 4.3b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.5km az=33.9.
IDC Error ellipse: s-maj=46.4km s-min=24.7km az=46.0.
UCR Error ellipse: s-maj=5.2km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=13.1km az=46.0.
ISC XI 07 21 40 26.3–3.3 12.21N–.09 88.50W–.06 27–22 4.2b 126 1-149
ISCJB XI 07 21 40 25.5–.80 12.12N–.06 88.55W–.04 45–4 4.1b **¶602051311**
IDC XI 07 21 40 25.4–4.5 12.64N 87.48W 23–31 4.4,4.2
NEIC XI 07 21 40 25.9–.70 12.30N 87.81W 35 4.3b,4.2
UCR XI 07 21 40 25.8–.95 12.22N 88.50W 23–5 4.3b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.5km az=31.8.
IDC Error ellipse: s-maj=66.7km s-min=17.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=11.3km az=54.0.
UCR Error ellipse: s-maj=3.8km s-min=3.0km az=-1.0.
ISC XI 11 10 32 15.8–1.1 12.07N–.06 88.12W–.04 45–11 4.2b 161 1-149
ISCJB XI 11 10 32 13.8–.41 12.02N–.03 88.14W–.03 43–3 4.2b,3.1s **¶601991704**
UCR XI 11 10 32 13.5–2.1 12.09N 88.13W 22–14 4.3b,4.0L
IDC XI 11 10 32 15.7–2.3 12.26N 87.83W 41–21 4.0,3.9
NEIC XI 11 10 32 16.5–.66 12.14N 88.01W 46–6 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.7km az=35.7.
UCR Error ellipse: s-maj=5.8km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=36.6km s-min=16.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=215.0.
ISC XI 12 03 22 38.6–1.1 12.8N–.20 88.7W–.20 35 3.7b 9 3-138
IDC XI 12 03 22 35.3–2.0 13.24N 88.37W 0 3.8,3.7b **¶602389268**
ISC Event type ke.
IDC Error ellipse: s-maj=70.2km s-min=26.4km az=41.0.
UCR XI 12 15 12 57.0–2.8 12.29N 89.31W 34–31 4.3,3.5L
¶605657177
UCR Error ellipse: s-maj=16.2km s-min=17.7km az=-1.0.
UCR XI 15 00 40 09.3–2.2 12.27N 89.14W 17–11 3.5L
¶605657181
UCR Error ellipse: s-maj=10.5km s-min=6.8km az=-1.0.
ISC XI 15 06 58 14.6–.84 12.52N–.09 88.47W–.07 35 3.8b 33 1-148
UCR XI 15 06 58 12.6–1.4 12.43N 88.52W 25–6 3.5L **¶602389437**
ISCJB XI 15 06 58 13.4–.80 12.44N–.08 88.49W–.06 35 3.8b
IDC XI 15 06 58 18.7–1.7 12.70N 88.13W 72–19 3.7,3.6
ISC Event type ke.
UCR Error ellipse: s-maj=9.9km s-min=7.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=3.8km az=36.2.
IDC Error ellipse: s-maj=64.7km s-min=12.7km az=40.0.
ISC XI 16 21 06 47.3–.98 12.92N–.07 88.80W–.05 66–8 4.5b 91 0-138
BJI XI 16 21 06 46.0 12.90N 88.80W 65 4.5b **¶601992304**
ISCJB XI 16 21 06 47.1–.44 12.98N–.05 88.79W–.04 70–3 4.3b
NEIC XI 16 21 06 47.9–.86 12.92N 88.80W 65–7 4.7b,4.4
UCR XI 16 21 06 47.9–1.7 13.02N 88.78W 62–11 4.7b,4.3L
IDC XI 16 21 06 48.6–2.2 13.36N 88.36W 61–23 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.5km az=31.6.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=6.4km az=225.0. Felt [II] at San Salvador.
UCR Error ellipse: s-maj=8.5km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=66.9km s-min=19.1km az=39.0.
ISC XI 23 03 38 41.4–.76 12.05N–.07 88.19W–.06 22–5 4.2b 76 1-149
IDC XI 23 03 38 39.7–1.2 12.51N 87.76W 0 4.1,3.9 **¶601993853**
UCR XI 23 03 38 40.7–1.3 11.98N 88.32W 22–20 4.3b,4.1
ISCJB XI 23 03 38 41.7–.74 11.96N–.05 88.26W–.05 39–6 4.1b,3.0s
NEIC XI 23 03 38 44.3–.78 12.13N 88.07W 45–8 4.3b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=16.9km az=45.0.
UCR Error ellipse: s-maj=9.5km s-min=5.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=4.1km az=41.3.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.0km az=216.0.
UCR XI 23 04 07 09.5–.96 12.03N 88.26W 59–158 3.8,2.9L
¶605657198
UCR Error ellipse: s-maj=34.5km s-min=20.0km az=-1.0.
UCR XI 23 05 20 14.3–4.4 10.74N 88.51W 23–999 4.3,3.4L
¶605657199
UCR Error ellipse: s-maj=34.9km s-min=46.8km az=-1.0.
ISC XI 24 01 38 14.4–1.2 12.98N–.09 88.84W–.05 61–9 3.5b 70 1-138
ISCJB XI 24 01 38 13.4–.58 12.94N–.07 88.86W–.04 71–5 3.8b **¶602389919**
UCR XI 24 01 38 14.2–1.3 12.91N 88.89W 44–19 4.3L,4.3
IDC XI 24 01 38 16.3–2.0 13.07N 88.70W 79–15 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=3.6km az=29.0.
UCR Error ellipse: s-maj=6.4km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=36.4km s-min=14.9km az=40.0.
ISC XI 24 04 49 11.8–2.0 11.99N–.06 88.46W–.05 4–11 3.8b 57 1-66
ISCJB XI 24 04 49 11.1–1.4 11.82N–.05 88.56W–.03 22–13 3.7b **¶602389926**
IDC XI 24 04 49 12.7–2.0 12.30N 88.13W 0 4.0,3.8
UCR XI 24 04 49 12.6–1.5 11.84N 88.58W 51–107 3.9,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.9km az=29.6.
IDC Error ellipse: s-maj=61.0km s-min=16.1km az=34.0.
UCR Error ellipse: s-maj=12.3km s-min=6.0km az=-1.0.
ISC XI 26 12 27 56.7–.56 12.45N–.05 88.52W–.04 37–1 4.5b,3.6s 483 1-148
UCR XI 26 12 27 53.4–1.5 12.37N 88.60W 28–7 4.5b,4.1L **¶601994555**
ISCJB XI 26 12 27 55.0–.41 12.42N–.03 88.50W–.02 40–3 4.4b,3.6s
NEIC XI 26 12 27 57.5–.38 12.43N 88.40W 49–3 4.5b,4.3
IDC XI 26 12 27 57.4–1.7 12.59N 88.31W 41–15 4.3,4.3
ISC Event type fe.
UCR Error ellipse: s-maj=5.7km s-min=4.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=30.4.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=220.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=25.3km s-min=9.2km az=53.0.
ISC XI 27 15 05 30.2–1.9 12.31N–.05 88.55W–.04 7–11 4.3b 77 1-138
ISCJB XI 27 15 05 30.8–1.5 12.25N–.05 88.57W–.04 23–10 4.3b **¶601994843**
NEIC XI 27 15 05 30.5–4.7 12.25N 88.51W 9–29 4.4b,4.0
IDC XI 27 15 05 31.0–1.0 12.66N 88.28W 0 4.3,4.1b
UCR XI 27 15 05 32.3–1.1 12.33N 88.55W 27–4 4.4b,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.4km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=15.9km s-min=9.1km az=219.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=44.5km s-min=17.5km az=51.0.
UCR Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
ISC XI 28 05 28 24.8–.38 12.55N–.05 88.43W–.04 39–3 4.6b,4.0s 605 1-148
IDC XI 28 05 28 18.8–.53 12.61N 88.39W 0 4.6,4.4 **¶601994966**
UCR XI 28 05 28 20.1–1.6 12.37N 88.57W 23–7 4.6b,4.2L
ISCJB XI 28 05 28 22.9–.36 12.53N–.02 88.42W–.02 39–3 4.6b,4.0s
GCMT XI 28 05 28 23.0–.30 12.35N–.02 88.65W–.04 12 4.8W,4.0s
NEIC XI 28 05 28 24.0–.18 12.46N 88.38W 35 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=9.6km az=53.0.
UCR Error ellipse: s-maj=6.0km s-min=3.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=35.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c17; s74,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.07 $M_{\theta\theta}$1.74±.06; $M_{\phi\phi}$0.00±.09; $M_{r\theta}$0.41±.26; $M_{\theta\phi}$-0.08±.06; $M_{\phi r}$0.33±.36; Best double couple: NP1:ϕ_s262.00000°,δ52.00000°,λ-103.00000°. NP2:ϕ_s103.00000°,δ40.00000°,λ-74.00000°. Principal axes: T 1.7890,Plg7.0000° ,Azm1.0000°; N 0.0640,Plg10.0000°,Azm270.0000°; P -1.8490,Plg78.0000°,Azm123.0000° $M_0$1.81900×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=218.0.

ISC XI 28 05 43 23.4–.56 12.40N–.06 88.46W–.04 38–2 4.4b,3.6s 305 1-148
IDC XI 28 05 43 18.3–.68 12.55N 88.21W 0 4.3,4.1 **¶602311690**
ISCJB XI 28 05 43 20.9–1.1 12.37N–.03 88.44W–.03 29–7 4.4b,3.5s
UCR XI 28 05 43 20.2–1.2 12.35N 88.60W 19–5 4.4b,3.9L
NEIC XI 28 05 43 23.5–.43 12.38N 88.35W 38–4 4.4b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=13.5km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=23.8.
UCR Error ellipse: s-maj=5.1km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=220.0.
ISC XI 28 06 46 34.0–1.3 12.57N–.04 88.44W–.04 23–9 4.6b,4.1s 459 1-163
IDC XI 28 06 46 30.5–.54 12.86N 88.13W 0 4.5,4.3 **¶601994975**
UCR XI 28 06 46 32.9–2.2 12.54N 88.52W 28–7 4.5,4.5b
ISCJB XI 28 06 46 33.3–.84 12.52N–.02 88.45W–.02 32–6 4.5b,4.1s
GCMT XI 28 06 46 34.2–.30 12.38N–.02 88.57W–.03 12 4.9W,4.1s
NEIC XI 28 06 46 37.2–.50 12.57N 88.35W 50–4 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=11.5km az=60.0.
UCR Error ellipse: s-maj=4.7km s-min=4.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.7km az=40.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s84,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.36±.06 $M_{\theta\theta}$2.26±.06; $M_{\phi\phi}$0.10±.07; $M_{r\theta}$0.38±.26; $M_{\theta\phi}$-0.58±.06; $M_{\phi r}$-0.48±.35; Best double couple: NP1:ϕ_s293.00000°,δ51.00000°,λ-79.00000°. NP2:ϕ_s96.00000°,δ40.00000°,λ-103.00000°. Principal axes: T 2.4550,Plg6.0000° ,Azm15.0000°; N 0.0160,Plg9.0000°,Azm106.0000°; P -2.4650,Plg80.0000°,Azm251.0000° $M_0$2.46000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.2km az=47.0.
ISC XI 28 07 00 33.0–1.1 12.44N–.05 88.45W–.04 10–6 4.5b 283 1-148
IDC XI 28 07 00 32.5–1.0 12.80N 88.12W 0 4.3,4.2b **¶602311691**
UCR XI 28 07 00 32.8–1.5 12.33N 88.59W 20–5 4.4b,4.1L
NEIC XI 28 07 00 37.3–.48 12.50N 88.37W 40–4 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=17.6km az=42.0.
UCR Error ellipse: s-maj=4.7km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=208.0.
ISC XI 28 13 25 23.2–1.1 12.40N–.09 88.51W–.06 35 3.9b 27 1-148
IDC XI 28 13 25 17.5–2.6 12.35N 88.25W 0 4.1,3.8 **¶602390121**
ISCJB XI 28 13 25 20.9–.90 12.32N–.07 88.57W–.05 35 3.7b,3.8
UCR XI 28 13 25 21.3–1.7 12.45N 88.54W 72–46 3.6L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=63.4km s-min=47.0km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.1km az=24.4.
UCR Error ellipse: s-maj=23.1km s-min=11.2km az=-1.0.
ISC XI 29 16 49 57.0–2.3 12.34N–.09 89.12W–.07 24–16 32 1-148
IDC XI 29 16 49 55.6–4.1 13.21N 87.94W 0 3.8,3.5b **¶602390172**
ISCJB XI 29 16 49 56.6–2.3 12.31N–.08 89.14W–.06 27–28 3.5b,3.4s
UCR XI 29 16 49 56.7–1.4 12.40N 89.18W 13–8 3.3L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=133.1km s-min=39.7km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=8.2km az=25.6.
UCR Error ellipse: s-maj=4.4km s-min=3.7km az=-1.0.
ISC XI 30 08 26 23.1–1.9 12.49N–.06 88.77W–.05 16–11 3.9b 59 1-148
IDC XI 30 08 26 20.8–1.1 12.89N 88.21W 0 3.9,3.7 **¶601995410**
ISCJB XI 30 08 26 21.7–1.1 12.39N–.04 88.82W–.04 15–7 3.8b,3.7
UCR XI 30 08 26 23.7–1.7 12.50N 88.79W 19–5 4.2b,3.9L
NEIC XI 30 08 26 24.0–.00 12.55N 88.80W 19 4.2b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=77.9km s-min=16.1km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.0km az=35.7.
UCR Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [I] at San Salvador. After SNET.
ISC XI 30 20 02 47.5–1.4 12.78N–.09 88.18W–.05 70–13 50 1-7
ISCJB XI 30 20 02 46.6–.56 12.81N–.09 88.17W–.04 81–9 **¶602311704**
UCR XI 30 20 02 47.1–1.2 12.77N 88.20W 65–9 4.2L
NEIC XI 30 20 02 47.0–.00 12.74N 88.21W 54 4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=3.8km az=24.0.
UCR Error ellipse: s-maj=7.6km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt [I] at Usulutan. After SNET.
ISC XII 01 00 45 51.5–1.3 12.86N–.09 90.25W–.08 21–5 32 1-53
ISCJB XII 01 00 45 49.9–2.2 12.77N–.08 90.27W–.06 20–15 3.8b **¶605657209**
UCR XII 01 00 45 50.6–1.3 12.86N 90.30W 22–5 3.4L
IDC XII 01 00 45 53.7–1.7 14.41N 88.65W 0 4.0,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.9km az=31.4.
UCR Error ellipse: s-maj=4.0km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=42.6km s-min=15.8km az=24.0.
ISC XII 02 04 44 36.0–.27 11.82N–.04 89.10W–.04 39–3 5.1b,4.3s 994 2-163
GCMT XII 02 04 44 34.3–.10 11.72N–.01 89.42W–.01 12 5.3W,4.3s **¶601995746**
UCR XII 02 04 44 34.6–1.7 11.93N 89.05W 12–7 5.1b,4.8L
ISCJB XII 02 04 44 35.8–.30 11.86N–.02 89.03W–.02 49–2 5.0b,4.3s
MOS XII 02 04 44 35.5–.93 11.86N 89.01W 47 5.3b,4.3s
NEIC XII 02 04 44 37.3–.31 11.85N 88.99W 48–2 5.1b,5.0
IDC XII 02 04 44 37.2–1.3 11.89N 89.04W 46–11 4.6,4.5
BJI XII 02 04 44 37.3 11.90N 89.00W 33 5.5b,5.2s
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c162; s117,c224;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$0.76±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$0.28±.04; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$-0.00±.04; Best double couple: NP1:ϕ_s291.00000°,δ53.00000° ,λ-101.00000°. NP2:ϕ_s128.00000°,δ39.00000°,λ-76.00000°. Principal axes:
T 1.0600,Plg7.0000°,Azm29.0000°; N -0.0830,Plg8.0000°,Azm298.0000°
; P -0.9760,Plg79.0000°,Azm157.0000° $M_0$1.01800×10^{17}
UCR Error ellipse: s-maj=4.6km s-min=5.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=143.0.
MOS Error ellipse: s-maj=11.0km s-min=4.5km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=223.0. Felt at San Salvador, El Salvador.
IDC Error ellipse: s-maj=17.2km s-min=6.9km az=50.0.
IDC XII 05 02 00 44.0–9.8 11.19N 91.84W 0 3.8,3.6
¶602390482
IDC Error ellipse: s-maj=216.4km s-min=100.0km az=17.0.
UCR XII 05 15 17 25.7–2.3 12.53N 88.87W 15–13 3.5L
¶605657219
UCR Error ellipse: s-maj=9.0km s-min=6.8km az=-1.0.
ISC XII 07 02 21 37.7–1.2 12.77N–.08 88.54W–.05 60–10 3.5b 51 1-147
ISCJB XII 07 02 21 36.9–.66 12.77N–.08 88.54W–.05 72–6 3.4b **¶602390571**
UCR XII 07 02 21 37.8–1.2 12.76N 88.56W 45–22 3.9L
IDC XII 07 02 21 38.6–2.0 13.22N 88.00W 59–22 3.6,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=3.8km az=29.4.
UCR Error ellipse: s-maj=7.2km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=48.5km s-min=13.9km az=48.0.
UCR XII 07 09 00 28.2–1.1 12.54N 88.91W 20–6 3.9,3.7L
¶605657223
UCR Error ellipse: s-maj=5.2km s-min=3.3km az=-1.0.
UCR XII 11 06 38 30.7–1.4 11.98N 88.76W 18–39 3.5,2.4L
¶605657235
UCR Error ellipse: s-maj=18.3km s-min=14.5km az=-1.0.
ISC XII 11 12 14 55.4–.84 12.84N–.05 88.52W–.04 71–7 4.4b 423 1-148
ISCJB XII 11 12 14 54.0–.28 12.79N–.03 88.59W–.02 70–2 4.3b **¶602035770**
SNET XII 11 12 14 54.0–.00 12.83N 88.61W 54 4.3b
UCR XII 11 12 14 54.8–1.9 12.90N 88.57W 61–14 4.6L,4.4b
NEIC XII 11 12 14 55.9–.43 12.73N 88.51W 78–3 4.6,4.4b
IDC XII 11 12 14 56.3–1.3 13.01N 88.30W 75–11 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.7km az=37.2.
SNET Event type se.
UCR Error ellipse: s-maj=8.3km s-min=5.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.4km az=212.0. Felt [I] at San Salvador.
IDC Error ellipse: s-maj=25.8km s-min=8.1km az=43.0.
ISC XII 13 21 43 50.9–1.1 13.0N–.20 90.0W–.20 35 8 2-148
IDC XII 13 21 43 47.8–1.5 14.60N 88.48W 0 3.9,3.8L **¶602391283**
ISCJB XII 13 21 43 48.0–1.4 12.9N–.20 90.1W–.20 35 3.7b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 14 04 21 40.0–1.3 12.91N–.07 90.15W–.07 64–11 4.3b 123 1-148
UCR XII 14 04 21 34.1–2.2 12.72N 90.28W 13–7 4.3b,4.1L **¶602043484**
IDC XII 14 04 21 40.1–2.6 13.52N 89.66W 35–16 3.9,3.9
NEIC XII 14 04 21 41.1–.55 13.32N 89.79W 52–6 4.3b,3.9
ISC Event type se.
UCR Error ellipse: s-maj=6.1km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=42.7km s-min=11.5km az=43.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.5km az=220.0.
ISC XII 14 19 18 50.7–1.2 12.83N–.04 90.14W–.04 18–6 4.8b,4.2s 636 1-150
IDC XII 14 19 18 48.3–.48 13.11N 89.75W 0 4.7,4.6 **¶602043587**
SNET XII 14 19 18 51.0 12.81N 90.19W 19 4.8b,4.8
NEIC XII 14 19 18 51.0–.00 12.81N 90.19W 19 4.8,4.8b
UCR XII 14 19 18 52.1–2.1 12.79N 90.14W 20–5 4.8b,4.6L
GCMT XII 14 19 18 56.0–.50 12.77N–.02 90.24W–.03 22–1 5.0W,4.6L
ISCJB XII 14 19 18 56.3–.34 13.04N–.02 89.92W–.03 80–2 4.7b,4.6L
ISC Event type fe.
NEIC Event type fe. Felt [I] at Sonsonate. After SNET.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s77,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.19 $M_{\theta\theta}$-0.96±.12; $M_{\phi\phi}$2.65±.16; $M_{r\theta}$2.17±.24; $M_{\theta\phi}$-1.20±.09; $M_{\phi r}$-0.20±.17; Best double couple: NP1:ϕ_s308.00000°,δ67.00000° ,λ-134.00000°. NP2:ϕ_s196.00000°,δ48.00000°,λ-31.00000°. Principal axes:
T 3.1790,Plg12.0000°,Azm68.0000°; N 0.4080,Plg40.0000°,Azm328.0000°
; P -3.5930,Plg48.0000°,Azm171.0000° $M_0$3.38600×10^{16}
ISCJB Event type fe.
ISC XII 15 02 53 17.5–1.4 12.90N–.08 90.05W–.07 64–12 4.2b 77 1-150
UCR XII 15 02 53 14.0–1.5 12.85N 90.19W 19–6 4.2b,3.9L **¶602043641**
ISCJB XII 15 02 53 16.1–.81 12.89N–.06 90.06W–.05 66–6 4.1b,3.9L
IDC XII 15 02 53 17.9–2.0 13.00N 89.90W 59–15 4.0,4.0
NEIC XII 15 02 53 18.9–1.1 13.07N 89.89W 64–9 4.2b,3.9
ISC Event type fe.
UCR Error ellipse: s-maj=4.5km s-min=6.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=4.8km az=40.2.
IDC Error ellipse: s-maj=28.1km s-min=9.8km az=45.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=7.2km az=217.0. Felt [I] at San Salvador.
ISC XII 15 12 43 27.2–.64 12.09N–.04 88.79W–.04 23–4 5.0b,4.1s 662 1-149
IDC XII 15 12 43 21.7–.52 12.09N 88.80W 0 4.7,4.5 **¶602043732**
UCR XII 15 12 43 24.1–2.4 12.04N 88.91W 14–14 5.0b,4.4L
ISCJB XII 15 12 43 26.0–.84 12.25N–.02 88.68W–.02 19–6 4.9b,4.1s
GCMT XII 15 12 43 28.1–.20 11.88N–.02 89.17W–.02 12 5.1W,4.1s
NEIC XII 15 12 43 30.1–.29 12.25N 88.61W 35 5.0b,4.1s
BJI XII 15 12 43 30.3 12.30N 88.60W 30 5.5b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=10.5km az=58.0.
UCR Error ellipse: s-maj=5.8km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.6km az=40.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c70; s103,c164;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.70±.09 $M_{\theta\theta}$2.42±.09; $M_{\phi\phi}$2.28±.10; $M_{r\theta}$-0.72±.35; $M_{\theta\phi}$-2.39±.08; $M_{\phi r}$1.13±.33; Best double couple: NP1:ϕ_s138.00000°,δ53.00000°,λ-86.00000°. NP2:ϕ_s311.00000°,δ37.00000°,λ-96.00000°. Principal axes: T 4.9180,Plg8.0000° ,Azm225.0000°; N -0.0220,Plg4.0000°,Azm315.0000°; P -4.8960,Plg81.0000°,Azm69.0000° $M_0$4.90700×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=30.0.
ISC XII 15 13 03 21.0–.50 12.93N–.05 90.08W–.05 29 4.5b,4.0s 301 1-148
SNET XII 15 13 03 18.0–.00 12.74N 90.21W 14 4.5b,4.0s **¶602043733**
UCR XII 15 13 03 20.3–1.9 12.93N 90.31W 29–16 4.5b,4.2L
ISCJB XII 15 13 03 20.9–.31 13.11N–.04 90.02W–.03 29 4.5b,4.0s
GCMT XII 15 13 03 22.0–.50 12.73N–.03 90.52W–.05 20–1 4.8W,4.0s
IDC XII 15 13 03 26.2–2.0 13.38N 89.64W 65–16 4.2,4.2
NEIC XII 15 13 03 26.0–.61 13.13N 89.87W 66–5 4.5b,4.3
ISC Event type fe.
SNET Event type se.
UCR Error ellipse: s-maj=5.6km s-min=18.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.3km az=35.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c27; s52,c74;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.39±.16 $M_{\theta\theta}$-1.35±.10; $M_{\phi\phi}$-0.03±.10; $M_{r\theta}$1.26±.19; $M_{\theta\phi}$0.45±.06; $M_{\phi r}$-0.58±.21; Best double couple: NP1:ϕ_s113.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s281.00000°,δ23.00000°,λ80.00000°. Principal axes: T 1.9560,Plg68.0000° ,Azm31.0000°; N 0.0880,Plg4.0000°,Azm291.0000°; P -2.0410,Plg22.0000°,Azm199.0000° $M_0$1.99900×10^{16}
IDC Error ellipse: s-maj=33.0km s-min=11.5km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.5km az=211.0. Felt [I] at San Salvador.
ISC XII 15 14 29 02.5–1.1 12.9N–.10 90.1W–.10 29 8 2-53
IDC XII 15 14 28 58.4–2.1 12.87N 90.10W 0 3.7,3.5 **¶602391390**
ISC Event type ke.
IDC Error ellipse: s-maj=55.6km s-min=17.2km az=40.0.
ISC XII 15 15 28 12.3–1.5 12.9N–.10 90.13W–.08 65–12 4.0b 42 1-148
IDC XII 15 15 28 03.1–2.3 12.90N 89.48W 0 4.1,3.9 **¶602056557**
SNET XII 15 15 28 07.0–.00 12.76N 90.25W 15 4.1,3.9
UCR XII 15 15 28 07.3–.87 12.77N 90.26W 15–4 3.8b,3.7L
ISCJB XII 15 15 28 09.3–.96 12.74N–.07 90.17W–.06 58–9 4.0b,3.7L
NEIC XII 15 15 28 12.8–1.3 13.07N 90.03W 57–11 3.8,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=47.1km s-min=35.1km az=29.0.
SNET Event type se.
UCR Error ellipse: s-maj=4.5km s-min=6.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=8.3km az=31.5.
NEIC Event type fe. Error ellipse: s-maj=25.5km s-min=9.9km az=204.0. Felt [I] at San Salvador.
UCR XII 16 05 20 33.9–2.3 11.84N 88.15W 18–45 3.6,3.1L
¶605657245
UCR Error ellipse: s-maj=23.3km s-min=13.2km az=-1.0.
ISC XII 18 08 12 19.4–.96 12.94N–.04 90.17W–.03 19–3 5.1b,4.3s 1179 1-150
IDC XII 18 08 12 16.8–.45 13.22N 89.75W 0 4.9,4.8 **¶602046753**
UCR XII 18 08 12 16.7–1.5 12.71N 90.45W 27–28 5.1b,4.7L
MOS XII 18 08 12 20.5–1.2 13.17N 89.92W 33 5.2b,4.7L
GCMT XII 18 08 12 21.0–.20 12.88N–.01 90.47W–.02 12 5.0W,4.7L
NEIC XII 18 08 12 22.0–.16 13.05N 89.98W 35 5.1b,4.7L
ISCJB XII 18 08 12 24.8–.29 13.14N–.02 89.93W–.02 79–2 5.0b,4.7L
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c75; s97,c146;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.58±.08 $M_{\theta\theta}$3.41±.07; $M_{\phi\phi}$0.16±.09; $M_{r\theta}$-1.16±.24; $M_{\theta\phi}$-1.01±.07; $M_{\phi r}$1.10±.33; Best double couple: NP1:ϕ_s117.00000°,δ57.00000°,λ-78.00000°. NP2:ϕ_s275.00000°,δ35.00000°,λ-108.00000°. Principal axes: T 3.9700,Plg11.0000° ,Azm198.0000°; N 0.0120,Plg10.0000°,Azm290.0000°; P -3.9830,Plg75.0000°,Azm62.0000° $M_0$3.97600×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC XII 18 18 13 49.8–.81 12.85N–.05 88.85W–.04 59–7 4.6b,3.5s 293 1-148
ISCJB XII 18 18 13 48.9–.34 12.86N–.03 88.86W–.02 61–2 4.5b,3.5s **¶602047029**
SNET XII 18 18 13 49.0–.00 12.87N 88.90W 36 4.5b,3.5s
UCR XII 18 18 13 49.8–1.6 12.89N 88.88W 41–22 4.7L,4.6b
NEIC XII 18 18 13 51.1–.50 12.85N 88.71W 72–4 5.0,4.6b
IDC XII 18 18 13 51.4–1.2 13.09N 88.56W 68–11 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=2.5km az=36.3.
SNET Event type se.
UCR Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=216.0. Felt [III] at San Salvador.
IDC Error ellipse: s-maj=26.3km s-min=8.0km az=45.0.
UCR XII 19 01 02 52.5–1.1 12.81N 90.32W 21–6 3.7,3.3L
¶605657253
UCR Error ellipse: s-maj=4.9km s-min=6.7km az=-1.0.

UCR XII 19 07 21 28.2–1.3 12.94N 88.95W 38–63 3.7L
¶605657255
UCR Error ellipse: s-maj=8.0km s-min=3.4km az=-1.0.
ISC XII 19 18 27 48.3–1.4 12.22N–.09 88.42W–.05 52–11 4.4b,3.4s 176 1-149
ISCJB XII 19 18 27 44.8–.77 12.06N–.06 88.45W–.04 49–4 4.4b,3.3s **¶602052907**
UCR XII 19 18 27 44.1–1.9 12.13N 88.50W 17–6 4.5b,3.7L
NEIC XII 19 18 27 48.2–.94 12.27N 88.32W 45–7 4.5b,3.7L
IDC XII 19 18 27 48.1–3.3 12.61N 88.05W 33–27 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.7km az=25.3.
UCR Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.8km az=204.0.
IDC Error ellipse: s-maj=46.0km s-min=16.7km az=40.0.
ISC XII 20 00 45 03.6–2.2 11.88N–.10 88.39W–.08 31–15 4.1b 28 1-63
IDC XII 20 00 45 03.1–11 12.48N 87.94W 0 4.1,3.9 **¶602391699**
UCR XII 20 00 45 05.0–2.2 12.06N 88.46W 21–23 3.8,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=216.1km s-min=64.5km az=4.0.
UCR Error ellipse: s-maj=14.0km s-min=7.7km az=-1.0.
ISC XII 21 07 54 41.7–1.5 12.4N–.10 88.20W–.06 35 3.4b 24 1-53
IDC XII 21 07 54 15.7–23 9.76N 87.92W 0 3.8,3.5 **¶605657259**
ISCJB XII 21 07 54 41.8–1.2 12.37N–.09 88.23W–.05 35 3.4b,3.5
UCR XII 21 07 54 42.8–1.5 12.46N 88.22W 37–5 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=505.8km s-min=132.6km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.1km az=20.8.
UCR Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0.
UCR XII 22 07 32 28.4–2.1 12.13N 88.07W 17–7 3.6,3.4L
¶605657260
UCR Error ellipse: s-maj=6.8km s-min=5.8km az=-1.0.
ISC XII 23 23 13 06.9–.84 11.61N–.07 89.21W–.05 35 3.8b 40 2-137
IDC XII 23 23 13 01.9–1.2 11.53N 89.25W 0 4.1,3.8 **¶602391951**
UCR XII 23 23 13 03.9–1.3 11.60N 89.21W 17–24 3.3L,3.8
ISCJB XII 23 23 13 04.2–.66 11.53N–.04 89.23W–.04 33 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 26 13 55 12.8–2.8 12.3N–.10 89.09W–.06 8–15 3.5b 34 1-148
ISCJB XII 26 13 55 12.3–1.8 12.19N–.05 89.16W–.04 22–16 3.6b **¶602380643**
UCR XII 26 13 55 13.3–1.3 12.25N 89.20W 27–14 3.6L
IDC XII 26 13 55 14.9–1.6 13.28N 88.35W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.7km az=31.9.
UCR Error ellipse: s-maj=7.6km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=78.3km s-min=24.5km az=43.0.
ISC XII 31 12 16 03.1–1.0 2.8N–.10 84.30W–.10 26 3.9b,3.3s 22 6-139
IDC XII 31 12 15 59.6–1.3 2.75N 84.36W 0 4.1,3.9 **¶602380490**
ISCJB XII 31 12 16 01.5–1.0 2.7N–.10 84.37W–.08 26 3.8b,3.4s
ISC Event type ke.
ISCJB Event type ke.

(77) Off coast of Costa Rica.
IDC VII 26 22 52 06.3–1.9 10.97N 86.13W 157–25 3.3,3.3
¶601666498
IDC Error ellipse: s-maj=149.0km s-min=33.8km az=38.0.
UCR VIII 27 21 16 50.4–2.6 10.69N 87.17W 20–106 4.2,4.1L
¶603790818
UCR Error ellipse: s-maj=91.6km s-min=66.9km az=-1.0.
ISC IX 05 15 16 53.3–1.7 9.94N–.05 85.60W–.04 7–10 4.0b 43 1-151
IDC IX 05 15 16 49.2–2.2 10.33N 84.00W 0 4.3,4.0 **¶601734452**
NEIC IX 05 15 16 54.2–1.2 9.60N 84.97W 35 4.2b,4.0
ISCJB IX 05 15 16 55.1–1.3 9.88N–.05 85.51W–.04 9–9 3.9b,4.0
UCR IX 05 15 16 57.0–1.6 9.97N 85.42W 2 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=13.3km az=168.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=18.4km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.2km az=173.1.
UCR Error ellipse: s-maj=4.5km s-min=4.7km az=-1.0.
ISC IX 05 15 58 40.5–.81 9.98N–.08 85.64W–.06 22 4.1b 49 1-151
IDC IX 05 15 58 34.6–2.9 10.10N 84.72W 0 4.3,3.9 **¶601734454**
ISCJB IX 05 15 58 38.9–.67 9.78N–.06 85.56W–.06 22 3.9b,3.9
NEIC IX 05 15 58 42.5–.76 9.90N 85.54W 35 4.3b,3.9
UCR IX 05 15 58 43.3–1.6 10.05N 85.57W 10 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=73.3km s-min=41.4km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.7km az=34.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.5km az=197.0.
UCR Error ellipse: s-maj=13.5km s-min=9.0km az=-1.0.
ISC IX 05 17 19 00.1–2.8 9.8N–.20 85.34W–.10 49–20 3.6b 19 1-152
IDC IX 05 17 18 54.9–1.6 10.80N 84.28W 0 4.1,3.8 **¶601862996**
UCR IX 05 17 18 57.5–1.5 9.74N 85.51W 15 3.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=10.9km az=131.0.
UCR Error ellipse: s-maj=8.6km s-min=7.9km az=-1.0.
UCR IX 05 21 00 31.2–1.8 9.96N 85.85W 15–8 4.2,2.1L
¶603790853
UCR Error ellipse: s-maj=5.5km s-min=6.3km az=-1.0.
ISC IX 05 22 46 31.8–.47 9.81N–.05 85.66W–.05 22 4.6b,4.1s 412 0-152
UCR IX 05 22 46 27.9–1.7 9.70N 85.98W 22–11 4.2,4.1s **¶601676712**
ISCJB IX 05 22 46 32.8–.29 10.09N–.04 85.51W–.03 33 4.5b,4.1s
NEIC IX 05 22 46 34.7–.34 10.05N 85.48W 35 4.6b,4.1s
IDC IX 05 22 46 34.1–2.1 10.15N 85.55W 33–14 4.4,4.4
ISC Event type se.
UCR Error ellipse: s-maj=6.1km s-min=11.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=30.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=211.0.
IDC Error ellipse: s-maj=24.6km s-min=12.9km az=42.0.
UCR IX 06 01 07 37.5–1.3 9.93N 85.80W 17–6 3.9,2.7L
¶603790856
UCR Error ellipse: s-maj=4.7km s-min=4.2km az=-1.0.
ISC IX 06 01 09 52.3–1.3 9.93N–.05 85.58W–.05 23–8 4.2b,3.1s 77 0-151
IDC IX 06 01 09 50.8–1.8 10.94N 84.47W 0 4.2,3.8 **¶601839170**
UCR IX 06 01 09 52.2–1.1 9.94N 85.67W 18–3 4.3b,4.1
ISCJB IX 06 01 09 53.2–.73 9.96N–.05 85.66W–.04 34–7 4.2b,3.2s
NEIC IX 06 01 09 54.3–1.0 10.01N 85.49W 35 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=9.5km az=114.0.
UCR Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=40.4.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.6km az=190.0.
UCR IX 06 03 29 05.0–2.3 9.85N 85.60W 17–9 4.2
¶603790857
UCR Error ellipse: s-maj=7.8km s-min=7.4km az=-1.0.
ISC IX 06 09 07 14.1–.91 9.98N–.06 85.37W–.06 62–7 4.6b 774 1-153
UCR IX 06 09 07 09.6–2.1 9.80N 85.45W 7 4.4b,4.2 **¶601685412**
IDC IX 06 09 07 11.4–2.6 10.05N 85.49W 35–17 4.5,4.5s
ISCJB IX 06 09 07 12.0–.22 10.19N–.03 85.33W–.02 50 4.6b,4.5s
NEIC IX 06 09 07 12.1–.35 10.11N 85.34W 35 4.6b,4.5s
GCMT IX 06 09 07 15.0–.20 9.69N–.01 85.60W–.01 20–0 5.2W,4.5s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt in the Liberia-Nicoya area.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s74,c119; s98,c188;Duration: 1$0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.83±.17 $M_{\theta\theta}$-5.22±.12; $M_{\phi\phi}$-0.61±.12; $M_{r\theta}$4.40±.23; $M_{\theta\phi}$2.51±.08; $M_{\phi r}$-2.66±.23; Best double couple: NP1: ϕ_s119.00000°,δ65.00000°,λ95.00000°. NP2:ϕ_s288.00000°,δ25.00000°,λ80.00000°. Principal axes: T 7.7390,Plg69.0000°,Azm38.0000°; N 0.4390,Plg4.0000°,Azm297.0000° ; P -8.1850,Plg20.0000°,Azm205.0000° $M_0$7.96200×10^{16}
ISC IX 06 09 11 24.2–.75 10.53N–.08 86.11W–.08 33 4.4b 86 1-151
UCR IX 06 09 11 20.8–.66 10.34N 86.40W 15 4.4b,4.0 **¶601839175**
NEIC IX 06 09 11 24.1–.49 10.45N 86.19W 35 4.4b,4.0
IDC IX 06 09 11 25.1–3.1 10.76N 85.97W 30–24 4.3,4.1
ISC Event type se.
UCR Error ellipse: s-maj=10.4km s-min=8.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.7km az=205.0.
IDC Error ellipse: s-maj=46.9km s-min=25.0km az=44.0.
ISC IX 07 01 52 18.1–3.7 10.3N–.60 86.1W–.20 33 3.6b 6 1-40
IDC IX 07 01 52 15.0–3.7 10.43N 86.14W 0 4.0,3.7 **¶601863084**
ISCJB IX 07 01 52 17.2–3.0 10.3N–.50 86.2W–.20 33 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 07 03 26 23.8–1.3 10.6N–.10 86.21W–.10 33 4.3b 50 1-40
ISCJB IX 07 03 26 21.9–.71 10.52N–.08 86.30W–.06 33 4.2b **¶601692013**
UCR IX 07 03 26 21.5–1.2 10.44N 86.30W 20–17 4.3b
NEIC IX 07 03 26 23.9–.99 10.56N 86.21W 36–7 4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.6km az=33.3.
UCR Error ellipse: s-maj=15.4km s-min=19.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.3km az=212.0.
ISC IX 07 05 46 14.1–.89 9.56N–.07 85.31W–.06 21 4.3b 48 1-152
IDC IX 07 05 46 10.6–4.3 9.51N 85.17W 0 3.9,3.8 **¶601715678**
ISCJB IX 07 05 46 11.9–.58 9.47N–.05 85.38W–.05 21 4.2b,3.8
UCR IX 07 05 46 12.4–.94 9.49N 85.38W 13–13 4.3b,3.8
NEIC IX 07 05 46 16.6–.74 9.65N 85.19W 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=273.8km s-min=62.6km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.8km az=35.2.
UCR Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.5km az=211.0.
ISC IX 08 12 01 07.1–1.4 9.87N–.06 85.58W–.04 28–8 4.2b 100 0-151
UCR IX 08 12 01 06.0–2.0 9.85N 85.66W 9–9 4.3b,4.0 **¶601696493**
ISCJB IX 08 12 01 07.3–.75 9.87N–.05 85.63W–.04 39–5 4.3s,4.1b
IDC IX 08 12 01 08.0–5.1 9.88N 85.51W 33–29 4.5,4.5s
NEIC IX 08 12 01 08.8–.62 9.95N 85.49W 35 4.3b,4.0
ISC Event type fe.
UCR Error ellipse: s-maj=4.5km s-min=5.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.6km az=30.7.
IDC Error ellipse: s-maj=55.5km s-min=24.1km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=6.4km az=195.0. Felt at Tempate.
IDC IX 09 19 37 50.8–5.6 9.94N 85.80W 0 4.0,3.6
¶601863255
IDC Error ellipse: s-maj=368.9km s-min=53.9km az=36.0.
ISC IX 09 21 37 29.3–1.6 9.50N–.05 85.16W–.04 2–9 4.2b,3.5s 102 1-152
IDC IX 09 21 37 27.5–.79 9.37N 85.36W 0 4.1,3.9 **¶601698218**
UCR IX 09 21 37 28.0–4.8 9.23N 85.25W 20–17 4.3b,4.0
ISCJB IX 09 21 37 29.9–1.1 9.43N–.06 85.21W–.04 16–6 4.1b,3.4s
NEIC IX 09 21 37 34.0–.63 9.46N 85.01W 35 4.3b,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=11.9km az=106.0.
UCR Error ellipse: s-maj=26.0km s-min=18.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.4km az=33.5.
NEIC Event type fe. Error ellipse: s-maj=13.4km s-min=9.1km az=212.0. Felt at San Jose and Sierra.
ISC IX 12 02 18 10.9–1.7 9.90N–.06 85.65W–.05 15–9 4.0b 53 0-151
IDC IX 12 02 18 10.8–1.6 11.00N 84.60W 0 4.2,3.9b **¶601863394**
UCR IX 12 02 18 11.0–1.6 9.91N 85.66W 7 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=9.1km az=104.0.
UCR Error ellipse: s-maj=3.9km s-min=4.3km az=-1.0.
ISC IX 12 04 10 45.9–1.6 9.49N–.05 85.19W–.04 4–10 4.4b,3.9s 123 1-152
UCR IX 12 04 10 43.7–1.6 9.25N 85.34W 7 4.4b,4.1 **¶601851666**
IDC IX 12 04 10 43.8–.75 9.37N 85.40W 0 4.2,4.1
ISCJB IX 12 04 10 46.0–1.0 9.45N–.03 85.23W–.03 14–6 4.3b,3.8s
NEIC IX 12 04 10 50.2–3.2 9.51N 85.20W 33–22 4.4b,3.8s
ISC Event type se.
UCR Error ellipse: s-maj=4.8km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=11.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=40.6.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.7km az=218.0.
ISC IX 12 06 29 32.1–.64 9.47N–.04 85.16W–.04 17–3 4.8b,4.1s 598 1-152
UCR IX 12 06 29 28.3–1.4 9.25N 85.34W 6 4.8b,4.5L **¶601707480**
ISCJB IX 12 06 29 29.7–.19 9.55N–.02 85.18W–.02 10 4.8b,4.1s
IDC IX 12 06 29 29.1–.55 9.38N 85.26W 0 4.5,4.3
GCMT IX 12 06 29 31.7–.30 9.44N–.03 85.33W–.02 12 4.9W,4.3
NEIC IX 12 06 29 34.7–.19 9.52N 85.17W 33 4.8b,4.3
ISC Event type fe.
UCR Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=33.3.
IDC Error ellipse: s-maj=15.6km s-min=10.1km az=87.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s72,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.25±.09 $M_{\theta\theta}$-0.20±.08; $M_{\phi\phi}$2.46±.07; $M_{r\theta}$0.36±.38; $M_{\theta\phi}$-0.05±.07; $M_{\phi r}$1.78±.22; Best double couple: NP1:ϕ_s187.00000°,δ64.00000°,λ-82.00000°. NP2:ϕ_s350.00000°,δ27.00000°,λ-105.00000°. Principal axes: T 3.0590,Plg19.0000° ,Azm271.0000°; N -0.1570,Plg7.0000°,Azm4.0000°; P -2.8950,Plg70.0000°,Azm113.0000° $M_0$2.97700×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=209.0. Felt at Jaco and Tempate.
ISC IX 12 18 43 13.8–1.7 9.84N–.05 85.52W–.05 9–10 4.1b,3.6s 48 0-152
ISCJB IX 12 18 43 12.2–1.0 9.77N–.04 85.68W–.04 8–7 4.2b,3.6s **¶601782817**
UCR IX 12 18 43 13.9–1.2 9.83N 85.61W 7–7 4.5b,4.2
IDC IX 12 18 43 15.3–.60 10.99N 84.85W 0 4.4,4.1b
NEIC IX 12 18 43 16.7–.58 10.92N 85.00W 10 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.7km az=138.2.
UCR Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=19.8km s-min=8.0km az=90.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.3km az=60.0.
UCR IX 12 21 18 46.0–1.9 9.60N 85.75W 19–5 3.6,2.6L
¶603790880
UCR Error ellipse: s-maj=4.8km s-min=4.0km az=-1.0.
ISC IX 12 21 33 31.5–1.5 9.93N–.06 85.59W–.05 15–8 3.5b 45 0-151
ISCJB IX 12 21 33 30.5–1.0 9.91N–.04 85.67W–.04 8–7 3.3b **¶601863435**
IDC IX 12 21 33 30.3–2.4 10.97N 84.48W 0 4.0,3.5
UCR IX 12 21 33 32.2–1.5 9.97N 85.61W 7 3.6,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=135.3.
IDC Error ellipse: s-maj=61.5km s-min=10.4km az=113.0.
UCR Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
UCR IX 13 03 37 44.8–1.4 9.58N 85.79W 12–8 4.2,2.9L
¶603790881
UCR Error ellipse: s-maj=5.0km s-min=4.6km az=-1.0.
UCR IX 13 05 23 50.6–1.5 10.02N 86.00W 8 4.1,3.1L
¶603790883
UCR Error ellipse: s-maj=4.6km s-min=3.9km az=-1.0.
UCR IX 14 03 42 18.7–1.6 9.55N 85.68W 18–6 4.1
¶603790887
UCR Error ellipse: s-maj=6.7km s-min=4.8km az=-1.0.
ISC IX 14 06 19 13.3–2.1 10.12N–.07 86.02W–.06 8–12 3.5b 42 0-69
ISCJB IX 14 06 19 11.4–1.4 10.11N–.05 86.11W–.03 2–9 3.4b **¶601863510**
UCR IX 14 06 19 12.8–2.1 10.10N 86.08W 10 4.1,3.0L
IDC IX 14 06 19 13.1–12 11.09N 84.74W 0 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.9km az=21.1.
UCR Error ellipse: s-maj=5.0km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=300.0km s-min=121.8km az=12.0.
ISC IX 14 14 58 31.4–.98 9.77N–.06 85.20W–.04 13–5 4.0b,3.7s 68 1-152
UCR IX 14 14 58 32.5–1.6 9.69N 85.29W 13–6 4.4,3.7L **¶601863531**
IDC IX 14 14 58 36.7–3.2 10.60N 84.66W 33–29 4.1,3.9
ISC Event type ke.
UCR Error ellipse: s-maj=3.7km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=51.5km s-min=22.0km az=35.0.
ISC IX 14 15 29 06.5–1.3 9.41N–.07 85.64W–.06 10 3.4b 31 1-69

ISCJB IX 14 15 29 04.9–.83 9.36N–.05 85.71W–.06 10 3.3b,2.9s ¶603790890
UCR IX 14 15 29 07.8–1.2 9.43N 85.65W 23–5 4.1,2.9L
IDC IX 14 15 29 08.4–5.2 10.99N 84.21W 0 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.5km az=3.4.
UCR Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=106.1km s-min=12.3km az=121.0.
ISC IX 14 20 27 58.9–1.7 9.63N–.07 85.13W–.05 16–9 3.7b 37 1-141
IDC IX 14 20 27 55.5–1.2 9.48N 84.76W 0 4.0,3.8 ¶601863551
ISCJB IX 14 20 28 01.1–1.4 9.64N–.07 85.14W–.05 26–8 3.6b,2.8s
UCR IX 14 20 28 01.9–1.6 9.72N 85.07W 6–10 4.0,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=12.9km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.4km az=30.8.
UCR Error ellipse: s-maj=7.3km s-min=4.9km az=-1.0.
IDC IX 14 21 44 59.1–5.8 9.80N 85.53W 26–35 4.2,3.9
¶601863556
IDC Error ellipse: s-maj=58.6km s-min=41.5km az=167.0.
ISC IX 14 23 13 10.9–1.2 9.96N–.05 85.56W–.04 27–8 4.5b,3.3s 121 0-151
IDC IX 14 23 13 07.7–1.7 9.92N 85.72W 0 4.4,4.0b ¶601734491
UCR IX 14 23 13 10.1–1.4 9.86N 85.59W 14–6 4.0b,3.9
NEIC IX 14 23 13 12.9–.43 10.08N 85.41W 35 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=10.0km az=166.0.
UCR Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=199.0.
ISC IX 15 04 11 39.0–1.4 9.71N–.09 85.52W–.06 22 3.4b 29 0-41
IDC IX 15 04 11 34.1–8.9 9.26N 85.61W 0 3.9,3.6 ¶601863571
ISCJB IX 15 04 11 35.6–.99 9.57N–.07 85.65W–.05 22 3.3b,3.6
UCR IX 15 04 11 35.7–1.1 9.55N 85.64W 25–5 3.7,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=263.2km s-min=128.0km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.0km az=19.0.
UCR Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.
ISC IX 15 11 36 52.1–.00 9.61N–.06 85.66W–.06 22 3.9b 35 1-152
IDC IX 15 11 36 47.8–2.8 9.71N 85.18W 0 4.2,3.8 ¶601863584
ISCJB IX 15 11 36 51.9–.75 9.65N–.05 85.75W–.05 22 3.9b,3.8
UCR IX 15 11 36 52.0–2.4 9.65N 85.77W 14–13 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=115.3km s-min=50.3km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.2km az=41.7.
UCR Error ellipse: s-maj=8.8km s-min=8.9km az=-1.0.
UCR IX 16 14 05 58.5–1.3 9.22N 85.37W 21–6 3.9,3.2L
¶603790896
UCR Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISC IX 16 15 13 47.0–.85 9.46N–.07 85.53W–.06 22 4.3b 50 1-69
IDC IX 16 15 13 43.9–1.4 9.35N 85.47W 0 4.1,3.8 ¶601739619
ISCJB IX 16 15 13 45.9–.65 9.49N–.06 85.57W–.04 22 4.1b,3.8
UCR IX 16 15 13 46.5–1.0 9.55N 85.64W 18–5 4.6b,3.8
NEIC IX 16 15 13 46.1–2.4 9.50N 85.44W 12–13 4.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=13.3km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=1.3.
UCR Error ellipse: s-maj=4.5km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.9km az=200.0.
UCR IX 18 00 55 00.3–1.4 9.90N 85.61W 24–5 3.9
¶603790901
UCR Error ellipse: s-maj=4.7km s-min=4.6km az=-1.0.
ISC IX 18 09 03 29.3–.55 9.69N–.08 85.70W–.08 22 4.2b 84 2-152
ISCJB IX 18 09 03 28.2–.40 9.74N–.06 85.68W–.05 22 4.1b ¶601734509
NEIC IX 18 09 03 31.6–.44 9.74N 85.65W 35 4.2b
IDC IX 18 09 03 32.1–2.2 9.59N 85.75W 48–22 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=34.1.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=215.0.
IDC Error ellipse: s-maj=25.8km s-min=12.8km az=48.0.
ISC IX 18 09 10 21.0–1.9 9.71N–.05 85.72W–.05 10–11 4.2b 144 0-152
UCR IX 18 09 10 24.3–1.8 9.74N 85.77W 36–44 4.2b,4.0 ¶601722613
NEIC IX 18 09 10 26.0–.63 9.76N 85.62W 43–5 4.2b,4.0
IDC IX 18 09 10 27.5–2.9 9.68N 85.77W 57–26 4.0,4.0
ISC Event type se.
UCR Error ellipse: s-maj=6.5km s-min=5.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=220.0.
IDC Error ellipse: s-maj=28.1km s-min=14.0km az=45.0.
IDC IX 18 16 54 00.8–3.7 9.21N 86.53W 0 3.8,3.6
¶601863765
IDC Error ellipse: s-maj=269.8km s-min=56.8km az=50.0.
IDC IX 18 17 44 50.6–1.4 9.14N 85.70W 0 4.0,3.7
¶601863769
IDC Error ellipse: s-maj=112.2km s-min=26.4km az=61.0.
ISC IX 18 19 10 35.1–.51 9.67N–.05 85.66W–.06 22 4.5b,3.6s 159 0-152
IDC IX 18 19 10 32.6–.73 9.70N 85.60W 0 4.3,4.2 ¶601734515
ISCJB IX 18 19 10 33.8–.29 9.65N–.03 85.74W–.03 22 4.5b,3.5s
UCR IX 18 19 10 33.9–1.4 9.62N 85.79W 14–10 4.5b,4.3
NEIC IX 18 19 10 37.4–.69 9.74N 85.56W 36–6 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=14.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=29.5.
UCR Error ellipse: s-maj=5.7km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=218.0.
IDC IX 19 01 31 44.0–2.2 9.68N 85.45W 0 4.1,3.8
¶601863798
IDC Error ellipse: s-maj=65.2km s-min=42.1km az=87.0.
UCR IX 20 14 15 18.9–1.3 9.67N 85.87W 29–3 3.9
¶603790921
UCR Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
UCR IX 21 04 08 55.3–1.6 9.90N 85.46W 11–5 3.7
¶603790923
UCR Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.
ISC IX 23 03 43 07.3–1.3 9.84N–.06 85.53W–.05 31–8 4.4b,3.2s 249 0-128
UCR IX 23 03 43 05.1–1.3 9.79N 85.63W 7 4.4b,3.4 ¶601737035
ISCJB IX 23 03 43 08.0–.63 9.89N–.05 85.51W–.04 49–3 4.3b,3.4s
NEIC IX 23 03 43 10.1–.90 9.99N 85.38W 47–6 4.4b,3.4s
IDC IX 23 03 43 11.2–.87 10.34N 85.06W 54–10 4.2,4.2
ISC Event type fe.
UCR Error ellipse: s-maj=2.8km s-min=3.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.9km az=27.7.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=6.9km az=198.0. Felt at Paquera.
IDC Error ellipse: s-maj=39.2km s-min=22.2km az=38.0.
UCR IX 23 04 35 32.3–1.3 9.91N 85.40W 15–3 3.6,2.8L
¶603790932
UCR Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
ISC IX 23 14 58 22.3–1.1 9.89N–.05 85.56W–.04 25–7 4.5b,3.8s 271 0-151
UCR IX 23 14 58 22.0–1.2 9.86N 85.62W 10 4.4b,4.1L ¶601737062
IDC IX 23 14 58 25.5–1.8 10.03N 85.44W 42–13 4.2,4.2
NEIC IX 23 14 58 26.4–.64 10.11N 85.41W 53–4 4.4b,4.2
ISC Event type fe.
UCR Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=13.2km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.1km az=207.0. Felt at Paquera.
UCR IX 23 20 10 31.0–1.5 10.13N 86.13W 18–10 4.2,2.7L
¶603790935
UCR Error ellipse: s-maj=6.6km s-min=7.6km az=-1.0.
UCR IX 24 00 44 29.2–1.1 9.61N 85.85W 26–4 3.8,2.6L
¶603790937
UCR Error ellipse: s-maj=3.8km s-min=4.6km az=-1.0.
UCR IX 24 01 37 58.8–1.3 10.10N 86.08W 22–4 3.9L,3.9
¶603790938
UCR Error ellipse: s-maj=4.7km s-min=4.0km az=-1.0.
UCR IX 24 20 19 22.2–1.4 9.64N 85.89W 15–6 3.7
¶603790942
UCR Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
UCR IX 25 04 38 41.9–1.6 9.85N 85.89W 25–4 3.8,3.1L
¶603790943
UCR Error ellipse: s-maj=5.3km s-min=4.8km az=-1.0.
ISC IX 26 00 11 14.5–.96 9.76N–.07 85.84W–.06 22 3.6b 32 0-152
IDC IX 26 00 11 10.0–2.5 9.54N 85.82W 0 4.0,3.7 ¶601864176
UCR IX 26 00 11 12.5–1.6 9.77N 85.97W 9–15 4.2,3.1L
ISCJB IX 26 00 11 13.4–.80 9.80N–.07 85.92W–.04 22 3.5b,3.1L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 26 11 37 25.6–.86 9.99N–.06 85.37W–.06 44–7 4.2b,3.2s 91 0-151
IDC IX 26 11 37 20.9–1.7 10.88N 84.37W 0 4.2,3.8 ¶601741001
UCR IX 26 11 37 22.3–1.6 9.80N 85.52W 5 4.3,4.2b
ISCJB IX 26 11 37 24.4–.70 9.85N–.05 85.46W–.05 54–6 4.2b,3.1s
NEIC IX 26 11 37 27.6–.69 10.22N 85.11W 57–5 4.2b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=10.1km az=122.0.
UCR Error ellipse: s-maj=2.6km s-min=3.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.0km az=42.5.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.1km az=214.0.
UCR IX 26 12 25 13.9–1.9 9.60N 85.86W 8–16 4.0
¶603790956
UCR Error ellipse: s-maj=9.0km s-min=6.5km az=-1.0.
ISC IX 26 17 15 05.7–1.8 9.7N–.20 85.7W–.10 22 7 1-152
IDC IX 26 17 15 01.9–2.2 9.54N 85.82W 0 4.0,3.7 ¶601864219
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=13.9km az=153.0.
UCR IX 27 01 21 53.8–1.4 9.49N 85.65W 17–5 4.0
¶603790959
UCR Error ellipse: s-maj=4.4km s-min=4.3km az=-1.0.
ISC IX 27 03 03 38.4–1.0 9.70N–.06 85.68W–.04 28–6 4.3b 219 0-152
IDC IX 27 03 03 34.6–.97 9.60N 85.78W 0 4.3,4.1 ¶601742258
UCR IX 27 03 03 35.9–1.6 9.57N 85.77W 15–6 4.4b,4.1
ISCJB IX 27 03 03 40.2–.69 9.84N–.05 85.63W–.04 46–4 4.2b,4.1
NEIC IX 27 03 03 41.1–1.2 9.82N 85.57W 37–9 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=11.7km az=161.0.
UCR Error ellipse: s-maj=5.1km s-min=3.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.6km az=28.9.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.6km az=208.0.
UCR IX 28 02 59 12.3–1.2 10.06N 86.29W 21–4 3.7,1.8L
¶603790963
UCR Error ellipse: s-maj=5.3km s-min=5.3km az=-1.0.
UCR IX 28 09 03 07.2–1.4 9.95N 85.65W 10–4 3.7,3.1L
¶603790969
UCR Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0.
ISC IX 28 17 41 30.1–2.0 9.85N–.07 85.48W–.04 6–12 58 0-152
IDC IX 28 17 41 27.2–2.7 9.55N 85.35W 0 4.2,3.7 ¶601864363
ISCJB IX 28 17 41 30.1–.88 9.83N–.04 85.52W–.03 9–5 3.4b,3.7
UCR IX 28 17 41 31.1–1.8 9.88N 85.47W 4 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=57.6km s-min=13.3km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=38.7.
UCR Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0.
UCR X 01 20 58 38.7–1.6 9.95N 85.69W 10–7 3.5L
¶603790979
UCR Error ellipse: s-maj=5.1km s-min=4.5km az=-1.0.
ISC X 07 07 00 55.0–.51 9.73N–.05 85.03W–.04 21 4.3b 188 1-152
ISCJB X 07 07 00 52.8–.41 9.56N–.04 85.15W–.03 21 4.2b,3.4s ¶601794217
IDC X 07 07 00 54.2–.79 10.55N 84.35W 0 4.2,4.0
UCR X 07 07 00 55.2–1.7 9.64N 85.10W 16–5 4.4b,3.0L
BJI X 07 07 00 55.0 9.80N 85.00W 26 4.4b,3.0L
NEIC X 07 07 00 56.1–.38 9.78N 84.96W 26 4.5,4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.5km az=17.7.
IDC Error ellipse: s-maj=20.2km s-min=8.5km az=150.0.
UCR Error ellipse: s-maj=4.9km s-min=3.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=25.0. Felt at Paquera and Santa Ana.
UCR X 07 08 57 25.3–3.3 9.76N 85.27W 16–11 3.8,2.7L
¶603790990
UCR Error ellipse: s-maj=10.6km s-min=8.1km az=-1.0.
UCR X 08 09 31 35.1–1.9 9.57N 85.16W 13–6 3.9,2.8L
¶603790991
UCR Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.
UCR X 09 07 13 07.5–1.7 9.73N 86.13W 15–6 3.5L
¶603790993
UCR Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.
ISC X 10 12 42 38.7–1.5 9.90N–.06 85.60W–.06 17–9 3.8b 28 0-151
ISCJB X 10 12 42 36.4–1.2 9.82N–.05 85.69W–.05 7–7 3.6b ¶601997757
IDC X 10 12 42 36.6–2.4 10.85N 84.37W 0 4.2,3.8
UCR X 10 12 42 38.2–1.8 9.86N 85.66W 14–10 4.2,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=7.5km az=10.5.
IDC Error ellipse: s-maj=56.4km s-min=10.4km az=124.0.
UCR Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0.
ISC X 11 08 51 31.3–2.0 9.75N–.07 86.03W–.05 15–10 3.6b 35 1-88
ISCJB X 11 08 51 30.3–1.1 9.71N–.05 86.11W–.04 24–8 4.5s,3.6b ¶603790996
UCR X 11 08 51 30.7–1.7 9.73N 86.10W 21–6 4.0,3.6b
IDC X 11 08 51 32.3–1.5 11.33N 84.65W 0 4.4s,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.2km az=26.6.
UCR Error ellipse: s-maj=4.7km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=37.9km s-min=10.8km az=96.0.
ISC X 11 08 59 57.0–2.3 9.74N–.08 86.09W–.06 7–13 3.4b 30 1-69
ISCJB X 11 08 59 57.1–1.4 9.71N–.06 86.11W–.05 22–10 4.2s,3.3b ¶601997870
UCR X 11 08 59 57.6–1.5 9.74N 86.09W 16–8 4.0,3.3b
IDC X 11 08 59 58.6–24 10.64N 85.37W 0 4.2s,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.5km az=29.6.
UCR Error ellipse: s-maj=5.1km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=733.2km s-min=118.5km az=17.0.
ISC X 13 09 27 26.8–3.4 9.69N–.07 86.07W–.07 17–21 3.6b,3.4s 40 1-140
IDC X 13 09 27 22.1–1.9 9.33N 85.96W 0 4.0,3.7 ¶601998098
ISCJB X 13 09 27 27.3–1.3 9.68N–.05 86.11W–.05 29–11 3.5b,3.3s
UCR X 13 09 27 27.1–2.9 9.70N 86.12W 15–14 4.2,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=20.2km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.8km az=137.3.
UCR Error ellipse: s-maj=8.6km s-min=11.4km az=-1.0.
ISC X 15 20 35 10.7–2.6 9.88N–.07 85.58W–.06 16–16 3.6b 23 1-151
IDC X 15 20 35 05.7–2.7 9.47N 85.49W 0 4.1,3.6 ¶601998373
ISCJB X 15 20 35 07.5–1.5 9.78N–.06 85.69W–.04 2–8 3.5b,3.6
UCR X 15 20 35 09.5–.87 9.83N 85.64W 8–4 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=59.2km s-min=13.5km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=8.3.
UCR Error ellipse: s-maj=2.3km s-min=2.4km az=-1.0.
UCR X 18 17 34 40.1–1.3 10.53N 86.11W 4–6 3.8,1.8L
¶603791018
UCR Error ellipse: s-maj=4.0km s-min=4.8km az=-1.0.
UCR X 21 06 49 11.8–1.8 9.84N 85.57W 15–10 3.6,1.9L
¶603791023
UCR Error ellipse: s-maj=6.4km s-min=5.3km az=-1.0.
ISC X 21 13 31 59.6–1.2 9.97N–.06 85.66W–.04 27–8 4.3b,3.4s 150 0-151
IDC X 21 13 31 56.4–5.7 10.31N 84.06W 33–39 4.2,4.0 ¶601840545
NEIC X 21 13 31 57.5–.69 9.95N 85.66W 10 4.4b,4.0
UCR X 21 13 31 58.8–1.8 9.93N 85.68W 10–6 4.4b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=53.8km s-min=39.8km az=68.0.

NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.3km az=193.0. Felt at Liberia and Samara.
UCR Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
UCR X 21 21 46 14.4–1.8 9.81N 85.58W 2–5 4.0,3.1L ¶603791024

UCR Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0.
UCR X 24 07 13 57.5–1.2 9.76N 85.56W 5 3.7,3.0L ¶603791031

UCR Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
UCR X 24 08 53 21.7–2.1 9.80N 85.71W 29–8 3.9,2.8L ¶603791032

UCR Error ellipse: s-maj=9.0km s-min=9.1km az=-1.0.
IDC X 25 02 58 59.5–5.0 9.10N 85.86W 0 3.8,3.6 ¶601999559

IDC Error ellipse: s-maj=96.9km s-min=17.6km az=145.0.
ISC X 27 02 36 44.8–2.0 9.97N–.07 85.58W–.06 15–11 3.5b 25 0-140
ISCJB X 27 02 36 42.0–1.5 9.87N–.06 85.69W–.05 4–8 3.4b **¶601999789**
IDC X 27 02 36 41.8–3.9 10.80N 84.30W 0 4.1,3.6
UCR X 27 02 36 44.3–1.8 9.93N 85.64W 10–6 3.4,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=8.0km az=15.7.
IDC Error ellipse: s-maj=79.1km s-min=11.6km az=127.0.
UCR Error ellipse: s-maj=4.9km s-min=4.7km az=-1.0.
UCR X 27 18 53 58.3–1.5 10.19N 86.10W 19–10 4.1,2.4L ¶603791041

UCR Error ellipse: s-maj=9.5km s-min=10.2km az=-1.0.
UCR X 28 13 19 38.9–1.0 10.44N 86.24W 19–7 3.6,3.0L ¶603791044

UCR Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0.
ISC X 29 13 25 38.9–1.9 10.11N–.06 86.21W–.06 13–11 3.7b 39 1-151
IDC X 29 13 25 34.1–.95 11.17N 84.01W 0 4.0,3.7 **¶602000287**
ISCJB X 29 13 25 38.3–1.4 10.06N–.05 86.26W–.05 21–9 3.6b,3.7
UCR X 29 13 25 38.7–1.8 10.09N 86.25W 13–11 4.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=25.0km s-min=18.7km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.1km az=135.9.
UCR Error ellipse: s-maj=6.2km s-min=5.0km az=-1.0.
UCR X 30 05 10 08.9–1.6 9.84N 85.54W 6 3.7,2.9L ¶603791050

UCR Error ellipse: s-maj=3.5km s-min=4.5km az=-1.0.
UCR X 31 08 46 00.6–2.0 9.82N 85.64W 0–6 3.9 ¶603791052

UCR Error ellipse: s-maj=5.1km s-min=8.6km az=-1.0.
UCR XI 10 23 11 16.3–1.5 10.29N 86.38W 14–8 4.2,3.0L ¶605657174

UCR Error ellipse: s-maj=6.2km s-min=6.8km az=-1.0.
UCR XI 12 20 01 17.4–2.2 10.36N 86.69W 23–13 3.9,3.5L ¶605657178

UCR Error ellipse: s-maj=11.9km s-min=10.4km az=-1.0.
UCR XI 13 21 27 02.1–1.7 10.46N 86.40W 16–9 4.2,2.3L ¶605657180

UCR Error ellipse: s-maj=6.1km s-min=6.8km az=-1.0.
UCR XI 15 18 39 46.2–1.0 9.92N 85.38W 14–3 3.7,3.0L ¶605657185

UCR Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
ISC XI 22 13 36 36.7–1.6 9.91N–.06 85.67W–.05 17–8 3.6b 54 0-151
ISCJB XI 22 13 36 36.9–1.1 9.91N–.06 85.72W–.04 20–7 3.9s,3.6b **¶602389835**
IDC XI 22 13 36 36.8–2.0 11.03N 84.61W 0 4.1,3.8
UCR XI 22 13 36 38.2–1.4 9.96N 85.66W 19–4 3.7,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.8km az=29.2.
IDC Error ellipse: s-maj=56.1km s-min=9.3km az=104.0.
UCR Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
ISC XI 22 13 52 02.5–1.9 9.99N–.06 85.68W–.06 14–10 3.6b 46 0-151
ISCJB XI 22 13 52 00.9–1.1 9.87N–.04 85.73W–.04 6–6 3.9s,3.4b **¶602389836**
IDC XI 22 13 52 01.7–2.3 10.93N 84.41W 0 4.0s,4.0
UCR XI 22 13 52 03.4–1.5 9.95N 85.66W 9–6 3.4,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.6km az=136.1.
IDC Error ellipse: s-maj=54.2km s-min=9.9km az=118.0.
UCR Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
ISC XI 22 13 53 09.8–2.1 9.94N–.07 85.69W–.07 17–11 3.8b 40 1-151
IDC XI 22 13 53 09.0–2.2 10.93N 84.36W 0 4.2,3.8 **¶602389837**
ISCJB XI 22 13 53 09.4–1.3 9.88N–.04 85.70W–.05 13–8 3.6b,3.2s
UCR XI 22 13 53 11.7–1.6 9.97N 85.62W 22–4 3.7,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=10.3km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.1km az=140.4.
UCR Error ellipse: s-maj=4.1km s-min=6.4km az=-1.0.
UCR XI 22 21 13 25.9–2.4 8.94N 84.04W 3–9 4.0L,3.9W ¶605657196

UCR Error ellipse: s-maj=5.2km s-min=6.1km az=-1.0.
ISC XII 02 05 49 27.8–1.1 10.84N–.09 86.81W–.08 23 27 1-68
IDC XII 02 05 49 28.4–1.5 12.21N 85.78W 0 3.8,3.6 **¶602390328**
ISCJB XII 02 05 49 29.8–.77 11.06N–.05 86.82W–.06 23 3.2b,3.6
UCR XII 02 05 49 31.6–2.0 11.11N 86.76W 29–41 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=59.9km s-min=13.1km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.5km az=141.9.
UCR Error ellipse: s-maj=9.8km s-min=14.9km az=-1.0.
UCR XII 05 03 15 24.0–1.3 10.41N 86.25W 13–7 3.9,3.0L ¶605657217

UCR Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0.
UCR XII 14 00 58 01.4–2.0 8.87N 84.12W 7–9 3.9W,3.7 ¶605657238

UCR Error ellipse: s-maj=4.2km s-min=6.3km az=-1.0.
UCR XII 14 22 46 40.4–1.9 8.93N 84.02W 0–4 4.2 ¶605657241

UCR Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
ISC XII 16 10 23 41.9–1.2 10.46N–.07 86.25W–.06 44–10 4.6b 493 1-151
IDC XII 16 10 23 38.0–.86 11.01N 86.00W 0 4.3,4.1 **¶602043807**
UCR XII 16 10 23 37.1–1.8 10.32N 86.41W 6–11 4.6b,4.4L
ISCJB XII 16 10 23 41.4–.45 10.50N–.04 86.16W–.03 60–3 4.6b,4.0s
NEIC XII 16 10 23 42.5–.66 10.51N 86.13W 43–5 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=9.8km az=38.0.
UCR Error ellipse: s-maj=5.7km s-min=5.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=33.2.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.6km az=203.0.
UCR XII 28 02 55 31.8–1.8 8.94N 84.17W 1–4 3.6 ¶605657268

UCR Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
ISC XII 29 09 53 04.8–.52 10.71N–.06 86.36W–.05 23 4.4b 112 1-151
ISCJB XII 29 09 53 03.8–.46 10.65N–.05 86.47W–.03 23 4.2b **¶602064212**
IDC XII 29 09 53 03.7–.91 11.40N 85.80W 0 4.0,3.8
UCR XII 29 09 53 05.5–1.6 10.63N 86.48W 38–999 4.4b,4.1
NEIC XII 29 09 53 07.7–.73 10.77N 86.24W 45–6 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.7km az=32.3.
IDC Error ellipse: s-maj=37.1km s-min=16.7km az=52.0.
UCR Error ellipse: s-maj=5.5km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.6km az=207.0.

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UCR VII 16 02 19 29.4–2.6 8.12N 83.06W 13–8 3.8 ¶605657123

UCR Error ellipse: s-maj=8.3km s-min=6.4km az=-1.0.
UCR VII 30 05 09 50.2–1.8 8.47N 83.17W 16–6 4.0 ¶605657137

UCR Error ellipse: s-maj=5.6km s-min=4.3km az=-1.0.
ISC VIII 07 16 10 58.9–.47 10.31N–.05 84.43W–.05 95–4 4.5b 562 0-151
ISCJB VIII 07 16 10 58.4–.23 10.17N–.03 84.51W–.03 114–2 4.5b **¶601529235**
NEIC VIII 07 16 10 58.4–.33 10.31N 84.44W 87 5.0,4.6b
IDC VIII 07 16 10 58.4–.44 10.45N 84.41W 87–5 4.4,4.2
UCR VIII 07 16 11 00.2–1.5 10.29N 84.40W 87–5 4.6b,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.0km az=34.3.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.5km az=34.0. Felt [III] at San Jose and [II] at Alajuela and San Felipe. Also felt at Atenas, Cartago, Colon, Escazu, Heredia, Jaco, Laguna, Mercedes, Nandayure, Quepos, Quesada, Salitral, San Isidro, San Pedro, San Rafael Abajo, Santa Ana and Santiago.
IDC Error ellipse: s-maj=14.2km s-min=9.9km az=32.0.
UCR Error ellipse: s-maj=4.7km s-min=4.7km az=-1.0.
UCR VIII 22 16 35 23.0–2.0 8.78N 83.16W 8–8 4.0 ¶603790803

UCR Error ellipse: s-maj=6.0km s-min=6.0km az=-1.0.
UCR VIII 24 11 44 21.0–3.0 8.50N 83.10W 0–6 3.8 ¶603790807

UCR Error ellipse: s-maj=7.3km s-min=6.6km az=-1.0.
UCR VIII 27 17 46 54.6–2.6 8.69N 83.32W 4–6 4.0 ¶603790817

UCR Error ellipse: s-maj=6.1km s-min=4.9km az=-1.0.
UCR VIII 29 23 42 17.8–1.9 8.77N 83.62W 5–8 4.3W,3.7 ¶603790832

UCR Error ellipse: s-maj=6.4km s-min=7.1km az=-1.0.
UCR VIII 31 10 54 30.5–1.8 10.84N 85.20W 198–9 4.1 ¶603790841

UCR Error ellipse: s-maj=25.6km s-min=28.7km az=-1.0.
UCR VIII 31 14 13 49.8–1.8 9.39N 83.84W 3–6 3.5L ¶603790842

UCR Error ellipse: s-maj=3.1km s-min=3.7km az=-1.0.
ISC IX 05 14 42 07.7–.21 10.02N–.02 85.39W–.03 21–2 7.7s,6.6b 2660 0-177
UCR IX 05 14 42 04.9–1.9 9.84N 85.47W 1–8 5.9L,5.9 **¶601675877**
ISCJB IX 05 14 42 05.5–.10 10.21N–.01 85.38W–.01 21 7.7s,6.5b
NEIC IX 05 14 42 07.8–.15 10.09N 85.32W 35 7.7s,7.6
BJI IX 05 14 42 07.6 10.08N 85.52W 34 7.9,7.9s
MOS IX 05 14 42 08.7–1.3 10.39N 85.33W 36 7.7s,6.5b
NEIC IX 05 14 42 10.0–.00 9.92N 85.14W 30 7.7s,6.5b
IDC IX 05 14 42 10.5–.57 10.52N 85.13W 31–4 7.5,7.5s
GCMT IX 05 14 42 22.9–.10 10.00N–.01 85.64W–.01 30–0 7.6W,7.5s
NEIC IX 05 14 42 35.4–.00 9.97N 85.16W 35 7.6W,7.5s
ISC Event type de.
UCR Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=1.4km az=43.4.
NEIC Event type de. Error ellipse: s-maj=3.7km s-min=2.4km az=213.0. One person killed, one died of a heart attack, at least 20 injured, some houses collapsed, one bridge damaged and landslides occurred in Guanacaste and western Puntarenas. Power and communications outages occurred. Felt [VIII] at Nicoya; [VII] at Liberia, Santa Cruz and Sardinal; [VI] at Alajuela, Calle Blancos, Grecia, Heredia, Jaco, San Francisco, San Isidro de El General, San Jose and San Pedro. Felt throughout Costa Rica. Also felt in parts of Belize, El Salvador, Guatemala, Honduras, Mexico, Nicaragua and Panama. A small tsunami was recorded on tide stations in the Galapagos Islands, Ecuador with the following amplitudes [one-half peak-to-trough]: 16 cm on Isla Santa Cruz and 6 cm on Isla Baltra. Complex earthquake observed on broadband displacement records, with at least one larger event occurring about 4 seconds after the onset. Depths 35 and 31 kms, respectively, from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$2.10000×10^{20} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s110.00000°,δ65.00000°,λ90.00000°. Principal axes: T Plg70.0000°,Azm20.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm200.0000°
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=92.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ71.00000°,λ85.00000°. NP2:ϕ_s310.00000°,δ20.00000°,λ104.00000°. Principal axes: T Plg64.0000°,Azm17.0000°; N Plg5.0000°,Azm117.0000°; P Plg26.0000°,Azm209.0000°
NEIC Event type se. Moment Tensor Solution. s41 Moment tensor: Scale 10^{20}Nm; M_{rr}1.71 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-0.45 $M_{r\theta}$2.00 $M_{\theta\phi}$0.73 $M_{\phi r}$-1.29 Best double couple: NP1:ϕ_s122.00000°,δ72.00000°,λ91.00000°. NP2:ϕ_s299.00000°,δ18.00000°,λ86.00000°. Principal axes: T 2.9400,Plg62.0000°,Azm34.0000°; N -0.0300,Plg1.0000°,Azm302.0000°; P -2.9100,Plg27.0000°,Azm211.0000° $M_0$2.90000×10^{20}
IDC Error ellipse: s-maj=12.1km s-min=8.1km az=49.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s146,c394; s142,c672; Duration: 15s8 Moment tensor: Scale 10^{20}Nm; M_{rr}1.85±.01 $M_{\theta\theta}$-1.37±.01; $M_{\phi\phi}$-0.48±.01; $M_{r\theta}$2.61±.06; $M_{\theta\phi}$0.86±.00; $M_{\phi r}$-1.16±.05; Best double couple: NP1:ϕ_s115.00000°,δ73.00000°,λ86.00000°. NP2:ϕ_s308.00000°,δ17.00000°,λ102.00000°. Principal axes: T 3.4040,Plg61.0000°,Azm20.0000°; N 0.0190,Plg3.0000°,Azm116.0000°; P -3.4260,Plg28.0000°,Azm208.0000° $M_0$3.41500×10^{20}
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{20}Nm; M_{rr}1.93 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.70 $M_{r\theta}$1.79 $M_{\theta\phi}$0.79 $M_{\phi r}$-1.16 Best double couple: NP1:ϕ_s307.00000°,δ21.00000°,λ93.00000°. NP2:ϕ_s124.00000°,δ69.00000°,λ89.00000°. Principal axes: T 2.9000,Plg66.0000°,Azm32.0000°; N -0.1400,Plg1.0000°,Azm124.0000°; P -2.7600,Plg24.0000°,Azm215.0000° $M_0$2.80000×10^{20}
IDC IX 05 15 04 04.3–2.7 10.87N 84.42W 0 4.1,3.6 ¶601862988

IDC Error ellipse: s-maj=59.7km s-min=11.4km az=120.0.
ISC IX 05 15 12 37.7–.52 9.50N–.06 84.80W–.06 21 4.4b 234 1-152
IDC IX 05 15 12 34.5–.67 9.47N 84.82W 0 4.3,4.2 **¶601675879**
ISCJB IX 05 15 12 35.2–.31 9.44N–.03 84.90W–.03 21 4.4b,4.2
UCR IX 05 15 12 38.2–2.0 9.50N 84.78W 10 4.5b,3.8
NEIC IX 05 15 12 39.8–.36 9.61N 84.77W 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=9.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=43.1.
UCR Error ellipse: s-maj=6.2km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=220.0.
UCR IX 05 16 22 54.8–4.0 9.65N 84.57W 16–169 3.9,3.4L ¶603790851

UCR Error ellipse: s-maj=73.3km s-min=71.3km az=-1.0.
IDC IX 05 16 44 36.2–14 10.84N 84.47W 0 3.8,3.4 ¶601862993

IDC Error ellipse: s-maj=1153.0km s-min=62.1km az=36.0.
ISC IX 05 22 11 20.8–1.4 10.02N–.05 85.55W–.04 17–8 4.5b,3.9s 336 0-151
ISCJB IX 05 22 11 20.3–.34 9.94N–.04 85.74W–.02 33 4.5b,3.9s **¶601676711**
UCR IX 05 22 11 20.5–2.3 9.94N 85.67W 6–8 4.5b,4.1
NEIC IX 05 22 11 23.7–.56 10.07N 85.48W 35 4.5b,4.1
IDC IX 05 22 11 24.6–1.9 10.18N 85.48W 45–18 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=8.2.
UCR Error ellipse: s-maj=5.8km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.0km az=15.0.
IDC Error ellipse: s-maj=31.5km s-min=19.8km az=62.0.
IDC IX 06 04 10 35.1–15 10.20N 84.55W 0 4.0,3.5b ¶601863026

IDC Error ellipse: s-maj=1175.0km s-min=108.8km az=61.0.
ISC IX 06 04 40 32.0–1.0 10.01N–.07 85.49W–.04 15–5 4.1b 126 0-151
IDC IX 06 04 40 31.2–1.6 10.94N 84.47W 0 4.3,3.9b **¶601685407**
UCR IX 06 04 40 32.0–1.6 9.87N 85.65W 15–11 4.2b,3.9b
NEIC IX 06 04 40 34.9–.87 10.01N 85.47W 35 4.2b,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=44.8km s-min=9.4km az=115.0.
UCR Error ellipse: s-maj=7.0km s-min=7.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.2km s-min=9.3km az=196.0. Felt at Nicoya and Hojancha.
ISC IX 06 04 44 15.0–.87 10.25N–.07 85.96W–.06 24 4.1b 137 0-128
ISCJB IX 06 04 44 14.0–.50 10.34N–.05 85.95W–.04 24 4.0b **¶601839178**
UCR IX 06 04 44 13.1–2.8 10.17N 86.14W 10 4.2,4.1b
IDC IX 06 04 44 14.2–1.2 11.03N 85.55W 0 4.1,3.7
NEIC IX 06 04 44 16.4–2.4 10.33N 85.83W 29–17 4.1b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.2km az=30.3.
UCR Error ellipse: s-maj=25.5km s-min=44.7km az=-1.0.
IDC Error ellipse: s-maj=79.3km s-min=15.6km az=51.0.

NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.3km az=208.0. Felt at Sardinal.
IDC IX 06 19 58 54.7–4.9 10.55N 84.47W 0 4.1,3.8 ¶601863067
IDC Error ellipse: s-maj=258.4km s-min=58.1km az=36.0.
ISC IX 07 01 21 26.8–.85 10.22N–.07 85.19W–.06 56–6 4.4b,3.5s 433 0-151
UCR IX 07 01 21 21.2–1.9 9.85N 85.50W 7 4.5b,3.1L ¶601692010
IDC IX 07 01 21 24.3–2.2 10.14N 85.37W 35–16 4.2,4.1
ISCJB IX 07 01 21 26.0–.39 10.24N–.04 85.22W–.03 62–3 4.4b,4.1
NEIC IX 07 01 21 25.9–.53 10.25N 85.22W 43–4 4.5b,4.1
ISC Event type fe.
UCR Error ellipse: s-maj=5.6km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=31.6km s-min=15.6km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=30.2.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=209.0. Felt at Santa Cruz.
ISC IX 07 19 53 03.8–.96 10.08N–.07 85.57W–.05 22 3.8b 30 0-151
IDC IX 07 19 53 00.4–2.1 10.96N 84.44W 0 4.1,3.7 ¶601863128
UCR IX 07 19 53 01.4–2.4 9.93N 85.70W 5–12 3.7L,3.7
ISCJB IX 07 19 53 02.7–.77 9.99N–.06 85.71W–.04 22 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 09 50 21.6–.60 10.32N–.05 85.74W–.04 34–1 4.5b,3.5s 437 0-151
UCR IX 08 09 50 20.8–1.4 10.22N 85.78W 20–9 4.5b,4.2 ¶601696488
IDC IX 08 09 50 21.9–2.2 10.51N 85.64W 33–16 4.3,4.2
NEIC IX 08 09 50 22.2–.35 10.40N 85.62W 34 4.5b,4.2
ISC Event type fe.
UCR Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=13.6km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.7km az=206.0. Felt at Jaco.
ISC IX 08 20 29 30.1–.59 10.03N–.03 85.41W–.03 26–3 5.6b,5.2s 1709 0-155
NEIC IX 08 20 29 13.2–.00 7.92N 85.89W 40 5.6b,5.2s ¶601696946
IDC IX 08 20 29 26.7–.44 10.34N 85.03W 0 5.1,5.0
ISCJB IX 08 20 29 29.2–.11 10.08N–.02 85.31W–.02 33 5.5b,5.2s
UCR IX 08 20 29 30.7–1.6 9.91N 85.49W 24–4 5.7b,4.6L
NEIC IX 08 20 29 31.2–.13 10.08N 85.32W 35 5.7W,5.7W
MOS IX 08 20 29 31.8–1.0 10.19N 85.17W 33 5.6b,5.2s
NEIC IX 08 20 29 32.0–.00 10.00N 85.42W 19 5.6b,5.2s
GCMT IX 08 20 29 36.2–.10 9.76N–.01 85.58W–.01 26–0 5.6W,5.2s
ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s5 Moment tensor: Scale 10^{17}Nm; M_{rr}4.20 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$-2.22 $M_{r\theta}$2.63 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s333.00000° ,δ35.00000°,λ121.00000°. NP2:ϕ_s117.00000°,δ60.00000°,λ70.00000°. Principal axes: T 5.2100,Plg68.0000°,Azm347.0000°; N -0.5700,Plg17.0000°,Azm127.0000° ; P -4.6400,Plg13.0000°,Azm221.0000° $M_0$4.90000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Alajuela, Nicoya, San Jose and Tilaran. Felt in the Valle Central and in much of northwestern Costa Rica. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-2.52 $M_{r\theta}$-0.02 $M_{\theta\phi}$2.03 $M_{\phi r}$0.38 Best double couple: NP1: ϕ_s143.00000°,δ42.00000°,λ79.00000°. NP2:ϕ_s339.00000°,δ49.00000°,λ100.00000°. Principal axes: T 2.4700,Plg82.0000°,Azm308.0000°; N 1.1800,Plg8.0000°,Azm152.0000° ; P -3.6500,Plg3.0000°,Azm61.0000° $M_0$3.20000×10^{17}
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}2.24 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-0.84 $M_{r\theta}$3.32 $M_{\theta\phi}$0.79 $M_{\phi r}$-0.93 Best double couple: NP1:ϕ_s109.00000° ,δ75.00000°,λ83.00000°. NP2:ϕ_s314.00000°,δ17.00000°,λ114.00000°. Principal axes: T 4.2400,Plg59.0000°,Azm9.0000°; N -0.4200,Plg6.0000°,Azm110.0000° ; P -3.8200,Plg29.0000°,Azm204.0000° $M_0$4.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c222; s138,c339; Duration: 1ş5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$-1.97±.02; $M_{\phi\phi}$-0.07±.03; $M_{r\theta}$1.64±.06; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-1.22±.06; Best double couple: NP1:ϕ_s122.00000°,δ67.00000° ,λ100.00000°. NP2:ϕ_s278.00000°,δ25.00000°,λ68.00000°. Principal axes: T 2.9120,Plg67.0000°,Azm50.0000°; N 0.1430,Plg9.0000°,Azm298.0000° ; P -3.0540,Plg21.0000°,Azm204.0000° $M_0$2.98300×10^{17}
UCR IX 10 00 55 21.8–.72 9.01N 84.13W 29–2 3.5 ¶603790868
UCR Error ellipse: s-maj=2.3km s-min=3.4km az=-1.0.
ISC IX 10 15 31 50.0–.98 9.5N–.10 84.9W–.20 21 3.5b 10 1-152
IDC IX 10 15 31 46.5–1.1 9.34N 84.94W 0 4.0,3.8 ¶601863308
ISCJB IX 10 15 31 48.4–1.0 9.4N–.10 85.0W–.20 21 3.6s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 02 14 11.4–1.8 10.28N–.05 85.94W–.06 14–10 3.7b 48 0-69
IDC IX 11 02 14 11.5–.79 11.20N 85.20W 0 4.1,3.8 ¶601863327
UCR IX 11 02 14 12.9–1.3 10.34N 85.89W 9–5 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=9.1km az=69.0.
UCR Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
ISC IX 12 02 13 00.2–.81 10.03N–.05 85.56W–.04 24–5 4.6b,3.6s 535 0-151
ISCJB IX 12 02 12 59.3–.27 9.94N–.03 85.63W–.02 33 4.5b,3.6s ¶601707465
UCR IX 12 02 12 59.9–1.3 9.94N 85.65W 11 4.6b,3.6L
NEIC IX 12 02 13 02.1–.40 10.08N 85.39W 35 4.6b,3.6L
BJI IX 12 02 13 03.0 10.20N 85.40W 37 5.0s,4.6
IDC IX 12 02 13 04.8–.67 10.51N 85.26W 51–7 4.3,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=177.6.
UCR Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=5.6km az=204.0. Felt [II] at Sardinal. Felt in the Liberia-Samara area and in the Valle Central.
IDC Error ellipse: s-maj=27.7km s-min=12.0km az=40.0.
ISC IX 16 05 51 09.2–.43 10.13N–.03 85.55W–.03 28–2 5.2b,4.5s 1119 0-153
BJI IX 16 05 51 06.5 9.42N 84.84W 28 5.4b,5.3s ¶601717949
ISCJB IX 16 05 51 06.8–.21 10.09N–.03 85.38W–.02 28 5.1b,4.4s
NEIC IX 16 05 51 09.4–.23 10.17N 85.46W 28 5.2b,5.0
UCR IX 16 05 51 09.9–1.6 10.07N 85.58W 19–4 5.2b,4.5L
GCMT IX 16 05 51 12.4–.20 9.95N–.01 85.74W–.02 30–0 5.0W,4.5L
IDC IX 16 05 51 12.1–.69 10.41N 85.24W 48–5 4.5,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=9.4.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=21.0. Felt [IV] at Santa Cruz. Felt widely in Guanacaste and in the Valle Central.
UCR Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c84; s91,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.13 $M_{\theta\theta}$-2.68±.08; $M_{\phi\phi}$-0.60±.10; $M_{r\theta}$2.02±.12; $M_{\theta\phi}$1.71±.06; $M_{\phi r}$-1.05±.14; Best double couple: NP1:ϕ_s118.00000°,δ62.00000°,λ89.00000°. NP2:ϕ_s301.00000°,δ28.00000°,λ92.00000°. Principal axes: T 3.9620,Plg73.0000° ,Azm25.0000°; N 0.3560,Plg1.0000°,Azm119.0000°; P -4.3240,Plg17.0000°,Azm209.0000° $M_0$4.14300×10^{16}
IDC Error ellipse: s-maj=18.4km s-min=10.0km az=49.0.
UCR IX 18 17 28 47.1–2.1 9.51N 83.04W 8–12 4.0 ¶603790912
UCR Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0.
UCR IX 20 15 15 36.6–1.7 10.24N 84.38W 9–6 3.9,3.1L ¶603790922
UCR Error ellipse: s-maj=4.2km s-min=3.0km az=-1.0.
ISC IX 21 06 36 59.9–1.1 10.16N–.06 85.61W–.04 23–8 4.4b 135 0-151
IDC IX 21 06 36 58.7–.79 11.05N 84.99W 0 4.2,3.9 ¶601735556
UCR IX 21 06 37 00.0–1.0 10.12N 85.68W 20–2 3.9,3.9
NEIC IX 21 06 37 02.6–.86 10.18N 85.54W 45–6 4.4b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=32.6km s-min=8.6km az=80.0.
UCR Error ellipse: s-maj=2.1km s-min=2.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=5.5km az=200.0. Felt at Samara, Santa Cruz and Sardinal.
UCR IX 23 01 07 37.6–1.7 10.74N 83.71W 15 3.7 ¶603790930
UCR Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
UCR IX 23 15 50 17.0–1.4 10.76N 83.69W 12–7 3.7,3.5L ¶603790933
UCR Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
ISC IX 23 21 35 03.7–.84 10.14N–.05 85.96W–.04 34–2 4.3b,3.3s 233 0-151
UCR IX 23 21 35 02.2–1.4 10.09N 86.13W 16–6 4.3b,3.7 ¶601738412
IDC IX 23 21 35 03.5–.92 11.04N 85.52W 0 4.3,4.1
ISCJB IX 23 21 35 04.3–.59 10.23N–.05 86.04W–.04 46–3 4.3b,3.3s
NEIC IX 23 21 35 05.4–1.0 10.19N 85.89W 44–7 4.3b,3.3s
ISC Event type se.
UCR Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=34.3km s-min=12.4km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.6km az=28.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.2km az=198.0.
UCR IX 26 00 20 09.1–1.8 10.79N 83.74W 4–7 3.9,3.7L ¶603790945
UCR Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
UCR IX 26 01 45 42.8–2.1 10.75N 83.70W 16–9 3.6,2.9L ¶603790946
UCR Error ellipse: s-maj=5.1km s-min=5.3km az=-1.0.
UCR IX 26 03 05 48.1–2.2 10.75N 83.69W 11–6 3.7,3.0L ¶603790947
UCR Error ellipse: s-maj=3.4km s-min=5.3km az=-1.0.
UCR IX 26 06 09 44.1–1.5 10.00N 85.49W 13–6 3.8 ¶603790948
UCR Error ellipse: s-maj=6.3km s-min=6.4km az=-1.0.
UCR IX 26 06 15 50.0–2.0 10.76N 83.69W 7–13 3.9,3.1L ¶603790949
UCR Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0.
UCR IX 26 07 53 14.9–1.2 10.02N 85.09W 23–4 3.5,2.3L ¶603790951
UCR Error ellipse: s-maj=2.0km s-min=2.3km az=-1.0.
UCR IX 28 01 45 35.2–1.8 10.76N 83.68W 17–8 3.8,2.9L ¶603790962
UCR Error ellipse: s-maj=4.2km s-min=5.2km az=-1.0.
UCR IX 28 10 33 17.6–1.7 10.76N 83.68W 13–7 4.0,2.4L ¶603790970
UCR Error ellipse: s-maj=2.8km s-min=4.4km az=-1.0.
UCR IX 28 12 59 54.7–2.0 9.35N 83.88W 29–3 3.7L,3.7 ¶603790971
UCR Error ellipse: s-maj=4.8km s-min=5.2km az=-1.0.
UCR IX 30 00 40 45.3–2.0 10.74N 83.67W 13–7 4.0,3.3L ¶603790974
UCR Error ellipse: s-maj=3.0km s-min=5.4km az=-1.0.
UCR IX 30 09 08 18.1–1.3 9.63N 84.88W 4–4 3.8,2.2L ¶603790976
UCR Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
UCR IX 30 16 06 49.4–1.9 10.72N 83.70W 13–6 3.9,3.3L ¶603790977
UCR Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
IDC X 01 02 07 04.6–4.8 10.62N 83.66W 0 3.9,3.6 ¶601996346
IDC Error ellipse: s-maj=94.2km s-min=16.6km az=148.0.
IDC X 01 02 08 44.0–4.8 10.60N 83.64W 0 3.9,3.6 ¶601996347
IDC Error ellipse: s-maj=94.7km s-min=17.5km az=149.0.
ISC X 02 22 42 09.3–1.1 10.08N–.06 85.51W–.04 26–7 3.8b 36 0-151
NEIC X 02 22 42 00.0–.00 9.97N 85.54W 10 3.9 ¶601838461
IDC X 02 22 42 05.8–1.6 10.86N 84.53W 0 4.2,3.8
ISCJB X 02 22 42 06.7–1.1 9.93N–.05 85.67W–.04 14–6 3.6b,2.9s
UCR X 02 22 42 08.5–1.4 10.00N 85.60W 17–5 4.6b,3.3L
ISC Event type fe.
NEIC Event type fe. Felt at Hojancha, Nicoya, Samara and Santa Cruz. After HDC.
IDC Error ellipse: s-maj=40.1km s-min=8.9km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.6km az=20.3.
UCR Error ellipse: s-maj=4.3km s-min=3.8km az=-1.0.
UCR X 05 18 32 45.4–1.3 10.34N 85.31W 51–4 4.1L,3.5 ¶603790986
UCR Error ellipse: s-maj=2.9km s-min=3.0km az=-1.0.
UCR X 06 05 36 41.7–1.3 10.48N 84.79W 102–4 3.8 ¶603790987
UCR Error ellipse: s-maj=4.9km s-min=4.4km az=-1.0.
ISC X 10 12 19 45.1–.48 10.04N–.04 85.56W–.03 27–2 5.2b,5.1s 1248 0-151
UCR X 10 12 19 43.4–2.3 9.99N 85.66W 3–5 5.2b,4.2L ¶601819784
ISCJB X 10 12 19 44.0–.16 10.28N–.02 85.46W–.02 26 5.1b,5.0s
NEIC X 10 12 19 44.9–.21 10.10N 85.48W 26 5.3,5.3W
BJI X 10 12 19 45.9 10.10N 85.50W 31 5.6s,5.4b
MOS X 10 12 19 45.4–1.3 10.35N 85.37W 33 5.3b,5.0s
GCMT X 10 12 19 47.9–.10 9.82N–.01 85.76W–.01 31–0 5.4W,5.0s
IDC X 10 12 19 48.2–.82 10.37N 85.37W 50–6 4.8s,4.8
ISC Event type fe.
UCR Error ellipse: s-maj=4.3km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=25.0. Felt [IV] at Grecia and Nicoya and [III] at Santa Cruz and Sardinal. Also felt at Alajuela, Asuncion, Escazu, Guanacaste, Jaco, Liberia, Macacona, Nosara, Paquera, Puntarenas, Quepos, Sabanilla, Samara, San Francisco, San Ignacio, San Jose, San Rafael, Santa Ana and Sierra. Moment Tensor Solution. s42 Moment tensor: Scale 10^{16}Nm; M_{rr}8.35 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-5.51 $M_{r\theta}$4.17 $M_{\theta\phi}$3.58 $M_{\phi r}$-3.71 Best double couple: NP1:ϕ_s138.00000°,δ62.00000°,λ83.00000°. NP2: ϕ_s332.00000°,δ29.00000°,λ102.00000°. Principal axes: T 10.1000,Plg72.0000°,Azm33.0000° ; N -0.5000,Plg6.0000°,Azm141.0000°; P -9.7000,Plg17.0000°,Azm233.0000° $M_0$9.90000×10^{16}
MOS Error ellipse: s-maj=9.2km s-min=4.3km az=117.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c179; s108,c198;Duration: 1ş2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.02 $M_{\theta\theta}$-0.82±.02; $M_{\phi\phi}$-0.27±.02; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$-0.53±.03; Best double couple: NP1:ϕ_s126.00000°,δ63.00000°,λ92.00000°. NP2:ϕ_s302.00000°,δ27.00000°,λ86.00000°. Principal axes: T 1.3750,Plg72.0000° ,Azm41.0000°; N 0.2060,Plg2.0000°,Azm305.0000°; P -1.5820,Plg18.0000°,Azm215.0000° $M_0$1.47800×10^{17}
IDC Error ellipse: s-maj=18.3km s-min=9.7km az=45.0.
UCR X 10 16 43 53.4–1.0 10.07N 85.71W 17–3 3.6,2.3L ¶603790995
UCR Error ellipse: s-maj=2.9km s-min=3.9km az=-1.0.
ISC X 12 19 24 15.8–.46 9.58N–.04 84.27W–.04 53–3 5.0b,4.1s 1070 0-154
UCR X 12 19 24 14.4–2.0 9.46N 84.32W 30–3 5.0b,4.7 ¶601830331
BJI X 12 19 24 14.0 9.60N 84.20W 40 5.5b,5.2s
MOS X 12 19 24 14.5–.93 9.72N 84.30W 49 5.0b,4.1s
ISCJB X 12 19 24 14.6–.22 9.59N–.02 84.27W–.02 59–1 5.0b,4.1s
GCMT X 12 19 24 15.6–.30 9.50N–.02 84.41W–.02 48–3 5.0W,4.1s
NEIC X 12 19 24 16.6–.41 9.60N 84.27W 63–3 5.2,5.0b
IDC X 12 19 24 16.3–.95 9.74N 84.24W 54–8 4.8,4.6
ISC Event type fe.
UCR Error ellipse: s-maj=4.6km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=5.4km az=104.1.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=36.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c26; s80,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.18 $M_{\theta\theta}$2.09±.14; $M_{\phi\phi}$-3.39±.14; $M_{r\theta}$1.74±.12; $M_{\theta\phi}$-1.06±.12; $M_{\phi r}$-0.47±.15; Best double couple: NP1:ϕ_s152.00000°,δ66.00000°,λ30.00000°. NP2:ϕ_s49.00000°,δ63.00000°,λ153.00000°. Principal axes: T 3.6550,Plg37.0000° ,Azm11.0000°; N -0.0720,Plg53.0000°,Azm187.0000°; P -3.5930,Plg2.0000°,Azm280.0000° $M_0$3.62400×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=215.0. Felt [IV] at Alajuela, Alajuelita, Cartago, Heredia, Quepos, San Jose and Santa Ana; [III] at Atenas, Escazu, Guadalupe, Jaco, Parrita, Puerto Viejo, San Ignacio and Tres Rios. Felt widely in the Valle Central and lightly in Guanacaste.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=41.0.
UCR X 14 02 56 10.4–1.8 9.55N 84.85W 3–7 3.9,2.4L ¶603791003
UCR Error ellipse: s-maj=5.6km s-min=3.5km az=-1.0.
UCR X 16 11 21 14.6–1.8 10.42N 83.07W 29–8 3.5 ¶603791013
UCR Error ellipse: s-maj=8.1km s-min=7.4km az=-1.0.
UCR X 18 12 10 53.7–1.6 9.43N 84.63W 21–10 3.9,2.5L ¶603791016
UCR Error ellipse: s-maj=6.9km s-min=3.7km az=-1.0.

UCR X 21 04 44 52.8–1.8 10.59N 84.96W 13–4 3.6,2.6L
¶603791022

UCR Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
ISC X 24 00 45 33.8–.39 10.08N–.03 85.37W–.02 22–2 6.4s,5.9b 2242 0-171
ISCJB X 24 00 45 31.4–.11 10.08N–.02 85.27W–.01 19 6.3s,5.8b **¶601844006**
IDC X 24 00 45 31.5–.38 10.41N 85.15W 0 6.3,6.3s
UCR X 24 00 45 31.5–2.1 9.78N 85.53W 0–13 6.0b,5.1L
NEIC X 24 00 45 33.0–.10 10.09N 85.30W 17 6.6,6.5W
MOS X 24 00 45 32.0–.91 10.17N 85.19W 22 6.3s,5.8b
BJI X 24 00 45 33.6 10.06N 85.41W 24 6.7,6.7s
NEIC X 24 00 45 36.0–.00 10.02N 85.35W 19 6.7,6.7s
GCMT X 24 00 45 39.0–.10 9.71N 85.60W 22–0 6.4W,6.7s
NEIC X 24 00 45 48.7–.00 10.18N 84.98W 10 6.4W,6.7s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=35.5.
IDC Error ellipse: s-maj=15.7km s-min=9.1km az=52.0.
UCR Error ellipse: s-maj=7.1km s-min=5.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=219.0. Felt [V] at Grecia and Nicoya; [IV] at Alajuela, Santa Ana, Santa Cruz, Sardinal and Tres Rios; [III] at Escazu and Nandayure. Felt in much of central and western Costa Rica and as far as Managua, Nicaragua and Potrerillos Arriba, Panama. Depth from synthetics of broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s115 Moment tensor: Scale 10^{18} Nm; M_{rr}2.49 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$-0.66 $M_{r\theta}$2.53 $M_{\theta\phi}$2.60 $M_{\phi r}$-1.10 Best double couple: NP1: ϕ_s114.00000°,δ67.00000°,λ73.00000°. NP2:ϕ_s331.00000°,δ28.00000°,λ124.00000°. Principal axes: T 3.6600,Plg64.0000°,Azm356.0000°; N 1.2300,Plg15.0000°,Azm121.0000° ; P -4.8900,Plg20.0000°,Azm216.0000° $M_0$4.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s125.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm35.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=101.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}3.52 $M_{\theta\theta}$-2.60 $M_{\phi\phi}$-0.92 $M_{r\theta}$5.45 $M_{\theta\phi}$1.72 $M_{\phi r}$-1.70 Best double couple: NP1:ϕ_s110.00000° ,δ74.00000°,λ83.00000°. NP2:ϕ_s314.00000°,δ17.00000°,λ113.00000°. Principal axes: T 6.7600,Plg60.0000°,Azm9.0000°; N -0.0300,Plg6.0000°,Azm111.0000° ; P -6.7400,Plg28.0000°,Azm205.0000° $M_0$6.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c337; s147,c587; Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}3.77±.02 $M_{\theta\theta}$-3.06±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$2.93±.04; $M_{\theta\phi}$1.76±.01; $M_{\phi r}$-2.06±.04; Best double couple: NP1:ϕ_s123.00000°,δ66.00000° ,λ94.00000°. NP2:ϕ_s293.00000°,δ24.00000°,λ81.00000°. Principal axes: T 5.1840,Plg68.0000°,Azm41.0000°; N 0.2010,Plg4.0000°,Azm301.0000° ; P -5.3870,Plg21.0000°,Azm210.0000° $M_0$5.28600×10^{18}
NEIC Event type se. Moment Tensor Solution. s102 Moment tensor: Scale 10^{18}Nm; M_{rr}2.77 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-1.02 $M_{r\theta}$4.59 $M_{\theta\phi}$1.09 $M_{\phi r}$-2.55 Best double couple: NP1:ϕ_s310.00000° ,δ14.00000°,λ100.00000°. NP2:ϕ_s120.00000°,δ77.00000°,λ88.00000°. Principal axes: T 6.0100,Plg58.0000°,Azm27.0000°; N -0.2600,Plg2.0000°,Azm120.0000° ; P -5.7600,Plg32.0000°,Azm212.0000° $M_0$5.90000×10^{18}
ISC X 24 01 55 29.1–1.0 10.15N–.05 85.49W–.05 26–7 4.5b 212 0-151
NEIC X 24 01 55 26.0–.72 9.95N 85.58W 10 4.5b **¶601999440**
IDC X 24 01 55 26.9–2.2 10.92N 84.89W 0 4.3,4.3
ISCJB X 24 01 55 29.5–.55 10.09N–.05 85.52W–.04 43–3 4.3b,4.3
UCR X 24 01 55 29.7–2.9 10.17N 85.45W 10 4.5b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=192.0.
IDC Error ellipse: s-maj=110.6km s-min=22.3km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=30.6.
UCR Error ellipse: s-maj=6.5km s-min=7.4km az=-1.0.
UCR X 29 20 37 13.1–1.5 9.00N 83.95W 4–4 4.0,2.9L
¶603791047

UCR Error ellipse: s-maj=3.1km s-min=2.6km az=-1.0.
UCR XI 05 08 36 20.8–1.8 9.64N 83.03W 7–10 3.5
¶605657166

UCR Error ellipse: s-maj=4.3km s-min=5.8km az=-1.0.
UCR XI 06 05 58 49.6–1.7 10.58N 83.86W 13–8 4.0,2.6L
¶605657168

UCR Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0.
ISC XI 10 00 15 42.6–1.2 10.4N–.20 85.9W–.10 33 3.6b 8 1-69
IDC XI 10 00 15 37.8–1.3 10.26N 86.09W 0 4.1,4.0L **¶602389121**
ISCJB XI 10 00 15 40.8–.89 10.2N–.10 86.0W–.10 33 3.5b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 12 08 45 45.6–.66 9.80N–.05 84.24W–.04 56–6 4.2b,3.4s 125 0-141
IDC XI 12 08 45 43.1–2.7 10.00N 84.05W 34–24 4.3L,4.0 **¶601885145**
ISCJB XI 12 08 45 45.1–.27 9.79N–.04 84.24W–.03 64–2 4.2b,4.0
UCR XI 12 08 45 45.8–1.4 9.77N 84.24W 48–4 4.5L,4.3b
NEIC XI 12 08 45 46.2–.66 9.79N 84.26W 62–6 4.3b,4.2W
ISC Event type fe.
IDC Error ellipse: s-maj=35.6km s-min=15.6km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=2.8km az=39.6.
UCR Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=6.1km az=223.0. Felt [IV] at Santa Cruz. Felt widely in western Costa Rica and the Valle Central.
ISC XI 13 00 11 57.9–.79 10.20N–.04 85.73W–.04 27–5 4.2b 101 0-151
UCR XI 13 00 11 57.9–1.2 10.19N 85.75W 15–3 4.2b,4.0L **¶602051388**
ISCJB XI 13 00 11 59.0–.68 10.24N–.05 85.70W–.04 40–6 4.1b,4.0s
IDC XI 13 00 12 00.7–1.9 10.86N 85.22W 33–21 4.1,4.1s
NEIC XI 13 00 12 01.6–.89 10.37N 85.54W 52–7 4.2b,4.0
ISC Event type fe.
UCR Error ellipse: s-maj=2.4km s-min=2.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.7km az=35.3.
IDC Error ellipse: s-maj=44.5km s-min=15.7km az=38.0.
NEIC Event type fe. Error ellipse: s-maj=16.4km s-min=7.5km az=211.0. Felt in Guanacaste.
ISC XI 13 08 28 11.5–.96 10.16N–.05 85.60W–.04 27–7 4.2b 122 0-71
IDC XI 13 08 28 09.7–1.1 11.05N 84.83W 0 4.3,4.0 **¶601991859**
ISCJB XI 13 08 28 10.4–.78 10.08N–.05 85.70W–.03 27–4 4.1b,3.0s
UCR XI 13 08 28 10.5–2.0 10.05N 85.69W 14–5 4.1b,3.8L
NEIC XI 13 08 28 12.5–.61 10.09N 85.53W 35 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=8.1km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.6km az=32.2.
UCR Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=198.0.
UCR XI 13 17 15 02.6–1.0 10.29N 84.60W 4–3 3.9,3.6L
¶605657179

UCR Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
UCR XI 16 08 44 45.5–1.8 9.38N 84.59W 1–4 4.1
¶605657187

UCR Error ellipse: s-maj=4.9km s-min=2.7km az=-1.0.
ISC XI 17 04 35 58.6–.51 10.84N–.05 84.89W–.05 178–4 4.7b 321 0-141
ISCJB XI 17 04 35 57.8–.21 10.80N–.04 84.92W–.04 186–2 4.6b **¶601909901**
IDC XI 17 04 35 58.0–.40 10.90N 84.78W 171–5 4.2,3.9
NEIC XI 17 04 35 58.6–.43 10.73N 84.93W 181–4 4.8b,3.9
UCR XI 17 04 35 58.2–1.5 10.83N 84.94W 180–3 4.8b,4.0L
BJI XI 17 04 35 59.5 10.70N 84.90W 181 4.8b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=3.2km az=44.4.
IDC Error ellipse: s-maj=22.3km s-min=12.1km az=56.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.4km az=217.0.
UCR Error ellipse: s-maj=4.8km s-min=4.8km az=-1.0.
UCR XI 18 14 16 10.6–2.3 8.66N 83.31W 9–6 3.9
¶605657192

UCR Error ellipse: s-maj=3.5km s-min=4.3km az=-1.0.
UCR XI 22 23 03 18.8–1.7 9.23N 84.07W 18–6 3.8
¶605657197

UCR Error ellipse: s-maj=3.8km s-min=4.8km az=-1.0.
ISC XI 26 15 00 40.8–1.4 10.07N–.06 85.86W–.06 29–9 3.8b,3.0s 49 0-151
IDC XI 26 15 00 39.4–.89 11.27N 84.72W 0 4.1,3.9 **¶601994581**
ISCJB XI 26 15 00 40.6–1.0 10.11N–.06 85.94W–.04 31–6 3.7b,3.1s
UCR XI 26 15 00 40.1–1.3 10.13N 85.99W 20–5 4.2b,4.0
NEIC XI 26 15 00 44.9–.93 10.48N 85.43W 61–7 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=9.8km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.1km az=8.5.
UCR Error ellipse: s-maj=3.4km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=8.4km az=218.0.
UCR XI 27 02 42 24.3–1.5 9.65N 84.83W 0–2 4.0,3.0L
¶605657202

UCR Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
UCR XI 28 08 03 20.3–2.4 8.47N 83.01W 15–8 3.6
¶605657204

UCR Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
UCR XI 28 09 42 07.8–2.1 8.89N 83.27W 18–6 3.8
¶605657205

UCR Error ellipse: s-maj=3.4km s-min=3.9km az=-1.0.
ISC XII 09 06 03 18.0–1.0 10.13N–.03 83.89W–.03 13–8 4.8b 66 0-35
ISCJB XII 09 06 03 16.5–1.1 10.16N–.06 83.76W–.04 8–10 4.7b **¶602032220**
NEIC XII 09 06 03 17.1–1.3 9.83N 83.93W 24–7 4.5b
UCR XII 09 06 03 19.5–1.9 10.07N 83.96W 5–5 4.5b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.3km az=18.8.
NEIC Event type fe. Error ellipse: s-maj=19.3km s-min=6.3km az=193.0. Felt at Alajuelita, Curridabat, Heredia, Piedades, San Nicholas and San Pablo.
UCR Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
UCR XII 10 08 06 43.7–1.9 8.49N 83.02W 26–4 3.8
¶605657232

UCR Error ellipse: s-maj=3.8km s-min=3.7km az=-1.0.
ISC XII 12 06 54 39.2–.48 10.16N–.04 84.35W–.04 70–4 4.4b 378 0-151
ISCJB XII 12 06 54 38.6–.18 10.16N–.03 84.36W–.02 77–1 4.3b **¶602036432**
IDC XII 12 06 54 38.5–.56 10.19N 84.50W 72–5 4.3,4.2
UCR XII 12 06 54 39.7–1.9 10.12N 84.39W 62–4 4.4b,4.0L
NEIC XII 12 06 54 39.2–.47 10.17N 84.31W 72–4 4.6W,4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.3km az=38.4.
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=37.0.
UCR Error ellipse: s-maj=4.2km s-min=3.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.7km az=222.0. Felt [IV] at Alajuela, Grecia, Piedades and San Miguel; [III] at Escazu, San Jose and San Rafael. Felt thoughout the Valle Central and in parts of northern and western Costa Rica.
ISC XII 13 17 16 21.6–.64 9.06N–.04 84.03W–.04 44–5 5.0b,4.4s 892 0-154
UCR XII 13 17 16 17.8–2.4 8.93N 84.09W 8–10 5.0b,4.9L **¶602043409**
ISCJB XII 13 17 16 20.8–.30 9.13N–.02 84.02W–.02 51–2 4.9b,4.5s
IDC XII 13 17 16 21.7–1.8 9.20N 84.02W 42–16 4.6,4.5
GCMT XII 13 17 16 22.2–.20 8.94N–.02 84.09W–.02 20–0 5.0W,4.5
MOS XII 13 17 16 22.4–1.2 9.16N 84.01W 60 5.1b,4.5
NEIC XII 13 17 16 22.2–.61 9.06N 84.02W 49–5 5.5W,5.0b
ISC Event type fe.
UCR Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.2km az=37.2.
IDC Error ellipse: s-maj=18.3km s-min=9.2km az=47.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c71; s91,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.14 $M_{\theta\theta}$-2.56±.10; $M_{\phi\phi}$-0.71±.11; $M_{r\theta}$1.86±.17; $M_{\theta\phi}$1.33±.07; $M_{\phi r}$-0.62±.23; Best double couple: NP1:ϕ_s113.00000°,δ60.00000°,λ85.00000°. NP2:ϕ_s302.00000°,δ30.00000°,λ98.00000°. Principal axes: T 3.8340,Plg74.0000° ,Azm11.0000°; N -0.0390,Plg4.0000°,Azm115.0000°; P -3.7870,Plg15.0000°,Azm206.0000° $M_0$3.81100×10^{16}
MOS Error ellipse: s-maj=9.6km s-min=5.0km az=102.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=212.0. Felt [III] at Quepos and San Jose. Felt widely in southern Costa Rica and in the Valle Central.
ISC XII 13 17 20 27.0–.84 9.07N–.04 84.01W–.04 33–5 4.8b 437 0-153
IDC XII 13 17 20 23.0–.61 9.44N 83.70W 0 4.5,4.4 **¶602043410**
UCR XII 13 17 20 24.4–2.0 8.94N 84.04W 5–6 4.9b,4.5L
ISCJB XII 13 17 20 27.4–.36 9.13N–.03 83.95W–.03 53–2 5.3s,4.7b
GCMT XII 13 17 20 29.2–.40 8.89N–.02 83.82W–.04 22–1 4.9W,4.7b
NEIC XII 13 17 20 29.2–.74 9.23N 83.95W 47–5 5.4W,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=10.1km az=41.0.
UCR Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=2.8km az=33.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s82,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.21 $M_{\theta\theta}$-2.06±.13; $M_{\phi\phi}$-0.68±.16; $M_{r\theta}$1.07±.16; $M_{\theta\phi}$1.15±.09; $M_{\phi r}$0.63±.29; Best double couple: NP1:ϕ_s101.00000°,δ54.00000°,λ68.00000°. NP2:ϕ_s316.00000°,δ41.00000°,λ118.00000°. Principal axes: T 3.1680,Plg71.0000° ,Azm317.0000°; N -0.3850,Plg18.0000°,Azm115.0000°; P -2.7870,Plg7.0000° ,Azm207.0000° $M_0$2.97800×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=207.0. Felts included with event at 17:16 UTC.
ISC XII 14 10 03 20.7–1.1 10.59N–.06 83.01W–.04 10 44 1-9
ISCJB XII 14 10 03 20.9–.43 10.60N–.03 83.01W–.03 10 **¶602043514**
UCR XII 14 10 03 22.9–2.2 10.55N 83.07W 16–7 4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=139.2.
UCR Error ellipse: s-maj=3.8km s-min=4.8km az=-1.0.
UCR XII 14 10 36 45.9–2.3 9.03N 84.05W 9–9 4.1,3.5L
¶605657239

UCR Error ellipse: s-maj=5.2km s-min=4.3km az=-1.0.
UCR XII 20 04 00 02.6–1.3 10.02N 85.24W 14–4 3.6
¶605657258

UCR Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0.
ISC XII 24 16 49 13.1–1.1 10.09N–.05 85.55W–.04 15–6 4.4b,3.5s 85 0-151
IDC XII 24 16 49 10.0–1.9 10.85N 84.32W 0 4.2,3.9 **¶602057944**
UCR XII 24 16 49 12.9–1.9 9.97N 85.60W 4–4 4.4b,4.0L
NEIC XII 24 16 49 17.2–1.1 10.15N 85.36W 51–7 4.8,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=39.4km s-min=10.1km az=124.0.
UCR Error ellipse: s-maj=4.5km s-min=3.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.2km s-min=10.2km az=209.0. Felt in Guanacaste.
ISC XII 27 05 31 44.5–1.7 10.02N–.07 85.57W–.06 32–11 3.7b 44 1-69
IDC XII 27 05 31 28.8–2.8 8.78N 84.72W 0 4.2,4.1L **¶602380695**
UCR XII 27 05 31 42.0–1.3 9.96N 85.67W 5 3.9,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=46.9km az=99.0.
UCR Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
UCR XII 29 19 28 16.0–1.4 8.57N 83.71W 8–5 3.7
¶605657271

UCR Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.
UCR XII 30 22 18 57.8–2.6 8.01N 83.14W 3–10 3.7
¶605657272

UCR Error ellipse: s-maj=10.8km s-min=6.6km az=-1.0.
UCR XII 31 06 00 00.6–1.9 9.57N 83.97W 56–6 3.5
¶605657273

UCR Error ellipse: s-maj=4.8km s-min=5.2km az=-1.0.

(80) Panama-Costa Rica border region.

ISC VII 22 22 46 04.4–2.2 8.06N–.10 82.96W–.05 7–11 41 1-8
ISCJB VII 22 22 46 03.6–1.1 7.93N–.06 82.97W–.03 15–8 **¶605657130**
UCR VII 22 22 46 05.3–2.5 8.02N 82.95W 14–7 4.1W,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=3.9km az=24.3.
UCR Error ellipse: s-maj=7.6km s-min=4.3km az=-1.0.
UCR VIII 10 13 03 53.4–2.4 8.56N 82.89W 26–4 3.9
¶603790781

UCR Error ellipse: s-maj=4.7km s-min=4.0km az=-1.0.
UCR VIII 13 19 59 33.8–2.2 8.33N 82.84W 21–5 4.1L,3.9
¶603790787

UCR Error ellipse: s-maj=5.0km s-min=3.9km az=-1.0.
UCR VIII 31 04 39 38.8–2.4 8.43N 82.86W 0–4 3.8
¶603790840

UCR Error ellipse: s-maj=3.8km s-min=3.4km az=-1.0.
UCR IX 01 06 26 48.1–2.2 8.84N 82.95W 20–7 3.6

¶603790843
UCR Error ellipse: s-maj=4.8km s-min=4.5km az=-1.0.
UCR IX 23 23 38 36.4–2.2 8.17N 82.91W 20–5 4.2
¶603790936
UCR Error ellipse: s-maj=10.5km s-min=7.0km az=-1.0.
UCR IX 28 07 48 26.4–2.2 8.40N 82.98W 5 4.2,3.2L
¶603790968
UCR Error ellipse: s-maj=4.4km s-min=3.6km az=-1.0.
UCR X 06 21 22 50.1–2.2 9.20N 82.59W 6–8 3.7
¶603790989
UCR Error ellipse: s-maj=3.6km s-min=5.8km az=-1.0.
UCR X 15 20 29 02.0–2.0 8.91N 82.82W 17–5 4.3,4.1L
¶603791008
UCR Error ellipse: s-maj=4.7km s-min=3.1km az=-1.0.
UCR X 26 10 39 50.2–3.0 9.38N 82.63W 18–10 3.8
¶603791036
UCR Error ellipse: s-maj=4.8km s-min=5.9km az=-1.0.
UCR X 30 04 58 06.9–2.1 8.38N 82.86W 26–5 3.9
¶603791049
UCR Error ellipse: s-maj=5.1km s-min=4.8km az=-1.0.
UCR XI 08 15 49 10.1–2.4 8.27N 82.96W 10–6 3.9
¶605657173
UCR Error ellipse: s-maj=7.0km s-min=4.7km az=-1.0.
UCR XI 17 13 32 01.8–1.7 8.94N 82.86W 9–4 3.8
¶605657188
UCR Error ellipse: s-maj=3.0km s-min=2.7km az=-1.0.
UCR XI 17 20 00 10.6–1.8 8.01N 82.75W 2–4 4.4W,4.3
¶605657189
UCR Error ellipse: s-maj=5.6km s-min=3.5km az=-1.0.
UCR XI 17 20 03 24.2–2.1 8.01N 82.74W 1–6 4.2,3.8L
¶605657190
UCR Error ellipse: s-maj=10.4km s-min=6.6km az=-1.0.
ISC XI 23 09 13 28.4–1.2 8.53N–.06 82.92W–.05 20–7 37 0-9
ISCJB XI 23 09 13 28.8–.47 8.50N–.05 82.86W–.04 38–11 ¶605657200
UCR XI 23 09 13 29.1–1.8 8.53N 82.88W 31–3 4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.3km az=27.3.
UCR Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.
UCR XII 03 04 56 43.0–2.3 8.59N 82.74W 12–7 3.8
¶605657214
UCR Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
UCR XII 07 15 44 22.8–2.0 8.74N 82.47W 2–5 3.7
¶605657225
UCR Error ellipse: s-maj=4.3km s-min=4.1km az=-1.0.
UCR XII 09 14 09 34.4–2.2 8.85N 82.96W 20–4 4.2,4.1L
¶605657228
UCR Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
UCR XII 09 14 13 24.1–2.3 8.88N 82.95W 17–6 3.8L,3.3
¶605657229
UCR Error ellipse: s-maj=3.4km s-min=3.6km az=-1.0.
UCR XII 09 14 20 38.1–2.6 8.84N 82.93W 22–5 3.8L,3.4
¶605657230
UCR Error ellipse: s-maj=3.9km s-min=4.8km az=-1.0.
UCR XII 10 12 36 13.8–2.1 8.75N 82.64W 9–5 3.5L,3.5
¶605657233
UCR Error ellipse: s-maj=5.2km s-min=12.2km az=-1.0.
UCR XII 13 20 16 25.7–2.5 8.77N 82.75W 2–5 3.8
¶605657237
UCR Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
UCR XII 15 20 32 17.4–1.8 8.36N 82.78W 11–11 4.0
¶605657242
UCR Error ellipse: s-maj=6.8km s-min=5.5km az=-1.0.
UCR XII 16 03 10 41.4–1.2 8.98N 82.86W 22–8 3.6
¶605657243
UCR Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0.
UCR XII 16 03 24 52.3–2.0 8.37N 82.79W 4–6 4.1
¶605657244
UCR Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0.
UCR XII 18 00 04 10.3–2.9 9.34N 82.71W 13–16 4.0
¶605657247
UCR Error ellipse: s-maj=6.4km s-min=5.5km az=-1.0.
ISC XII 29 00 20 45.2–1.4 8.33N–.07 82.79W–.03 12–7 3.8b 54 0-153
IDC XII 29 00 20 45.9–1.9 8.83N 82.57W 0 4.0L,3.9 ¶602380807
UCR XII 29 00 20 46.2–2.6 8.25N 82.89W 5 4.3b,3.9
NEIC XII 29 00 20 50.0–1.9 8.44N 82.81W 38–12 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=73.2km s-min=14.5km az=29.0.
UCR Error ellipse: s-maj=4.6km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=10.7km az=201.0.

(81) Panama.

ISC VIII 02 09 31 36.5–.61 9.46N–.07 79.62W–.06 56 3.5b 35 0-146
ISCJB VIII 02 09 31 36.2–.42 9.47N–.05 79.63W–.04 56 3.4b ¶601765342
IDC VIII 02 09 31 37.0–.83 9.38N 79.54W 72–7 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.3km az=28.1.
IDC Error ellipse: s-maj=26.1km s-min=15.1km az=31.0.
ISC VIII 27 03 24 09.4–1.5 7.84N–.04 78.30W–.03 9–9 4.2b,3.3s 94 1-151
UCR VIII 27 03 24 10.1–2.0 7.89N 78.37W 11–14 4.3b,3.3s ¶601627726
ISCJB VIII 27 03 24 10.0–.80 7.86N–.03 78.31W–.02 23–6 4.1b,3.4s
RSNC VIII 27 03 24 10.2–.83 7.87N 78.33W 4–4 4.2W,4.0L
NEIC VIII 27 03 24 12.1–1.9 7.85N 78.21W 28–14 4.3b,4.0L
IDC VIII 27 03 24 12.3–5.6 7.89N 78.16W 27–38 4.1,4.1
ISC Event type se.
UCR Error ellipse: s-maj=5.3km s-min=5.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.8km az=26.2.
RSNC Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=223.0.
IDC Error ellipse: s-maj=18.9km s-min=11.8km az=46.0.
RSNC VIII 27 05 05 07.7–.67 7.93N 78.30W 0–4 3.8W,3.3L
¶604711829
RSNC Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0.
RSNC VIII 27 09 03 35.8–.88 7.88N 78.32W 3–4 3.6W,3.5L
¶604711836
RSNC Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0.
ISC XI 05 23 30 10.0–.80 9.33N–.05 78.16W–.04 54–10 4.1b 94 1-147
ISCJB XI 05 23 30 09.0–.30 9.29N–.03 78.18W–.02 59–5 3.9b,2.9s ¶601874872
UCR XI 05 23 30 09.4–1.9 9.29N 78.19W 62 4.3b,2.9s
IDC XI 05 23 30 10.0–1.6 9.52N 78.10W 46–18 4.1,4.1
NEIC XI 05 23 30 11.2–.47 9.29N 78.19W 62–5 4.4,4.3b
UPA XI 05 23 30 11.0–.00 9.30N 78.20W 65 4.4,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.4km az=2.2.
UCR Error ellipse: s-maj=19.4km s-min=10.6km az=-1.0.
IDC Error ellipse: s-maj=27.5km s-min=12.7km az=16.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.2km az=202.0. Felt at Alcaldediaz, Panama and Saboga.
UPA Event type se.
UCR XII 18 06 10 09.9–2.8 9.01N 81.47W 14–11 3.9W
¶605657250
UCR Error ellipse: s-maj=8.9km s-min=3.9km az=-1.0.

(82) Panama-Colombia border region.

RSNC IX 20 16 20 02.2–.98 7.07N 77.73W 25–3 3.5W,3.3L
¶604713669
RSNC Error ellipse: s-maj=3.5km s-min=3.8km az=-1.0.
ISC IX 30 09 30 12.3–.89 8.40N–.04 77.07W–.03 42–10 4.3b,3.3s 235 1-153
ISCJB IX 30 09 30 10.7–.30 8.43N–.03 77.06W–.02 40–4 4.2b,3.2s ¶601768550
NEIC IX 30 09 30 12.9–.47 8.41N 77.09W 40–4 4.3b,3.2s
RSNC IX 30 09 30 12.7–.74 8.39N 77.09W 32–7 4.3W,4.3L
IDC IX 30 09 30 12.5–1.7 8.48N 76.97W 48–18 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.5km az=16.5.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.5km az=198.0. Felt at Medellin, Colombia. Also felt at Arraijan, El Espino, Panama and Rio Hato, Panama.
RSNC Error ellipse: s-maj=2.9km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=12.1km az=50.0.
ISC X 03 17 57 59.8–2.3 8.42N–.05 77.15W–.03 2–16 3.5b 29 0-74
IDC X 03 17 57 59.3–1.4 8.81N 76.71W 0 3.9,3.6 ¶601996963
RSNC X 03 17 58 04.8–.85 8.40N 77.10W 29–5 3.9L,3.7W
ISC Event type ke.
IDC Error ellipse: s-maj=121.0km s-min=25.0km az=57.0.
RSNC Error ellipse: s-maj=4.6km s-min=2.3km az=-1.0.
RSNC XI 12 17 33 56.5–.90 7.39N 77.90W 4–11 3.6L
¶604715658
RSNC Error ellipse: s-maj=3.3km s-min=8.8km az=-1.0.

(83) South of Panama.

ISC VII 06 04 16 15.3–3.3 7.74N–.10 82.56W–.05 8–23 46 1-7
ISCJB VII 06 04 16 15.3–.95 7.67N–.05 82.57W–.04 16–7 ¶605658193
UCR VII 06 04 16 17.9–2.8 7.84N 82.54W 15–7 4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=3.7km az=32.6.
UCR Error ellipse: s-maj=8.7km s-min=5.0km az=-1.0.
RSNC VII 12 21 06 05.6–.62 6.53N 78.02W 18–6 3.8W,3.2L
¶604710186
RSNC Error ellipse: s-maj=8.2km s-min=4.4km az=-1.0.
ISC VIII 22 03 11 38.7–.72 6.34N–.06 82.15W–.05 21 4.2b,3.4s 101 2-142
UCR VIII 22 03 11 35.0–1.7 6.13N 82.45W 8–26 4.5,4.2b ¶601610553
NEIC VIII 22 03 11 36.7–.96 6.12N 82.38W 10 4.2b,4.2b
IDC VIII 22 03 11 36.6–2.6 6.80N 81.92W 0 4.3L,3.8
ISC Event type se.
UCR Error ellipse: s-maj=25.7km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=15.5km az=201.0.
IDC Error ellipse: s-maj=97.0km s-min=26.4km az=34.0.
ISC VIII 24 21 14 08.9–1.0 4.99N–.06 82.75W–.08 35 3.6b,3.5s 38 2-95
ISCJB VIII 24 21 14 06.3–.74 5.08N–.05 82.81W–.06 33 3.6b,3.5s ¶602037281
UCR VIII 24 21 14 09.8–2.0 5.48N 82.67W 4–23 4.4,3.5s
GCMT VIII 24 21 14 13.0–.40 5.13N–.02 82.64W–.03 22–2 4.7W,3.5s
IDC VIII 24 21 14 20.3–3.7 8.86N 80.67W 0 4.3L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.0km az=137.6.
UCR Error ellipse: s-maj=29.0km s-min=9.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s24,c31; s74,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.10 $M_{\theta\theta}$0.02±.08; $M_{\phi\phi}$-0.05±.10; $M_{r\theta}$0.35±.14; $M_{\theta\phi}$1.55±.08; $M_{\phi r}$-0.10±.13; Best double couple: NP1:ϕ_s270.00000°,δ87.00000° ,λ-12.00000°. NP2:ϕ_s1.00000°,δ78.00000°,λ-177.00000°. Principal axes: T 1.5520,Plg7.0000°,Azm316.0000°; N 0.0790,Plg77.0000°,Azm78.0000° ; P -1.6310,Plg11.0000°,Azm225.0000° $M_0$1.59100×10^{16}
IDC Error ellipse: s-maj=150.1km s-min=30.3km az=18.0.
ISC VIII 31 16 15 46.2–.61 3.34N–.06 82.85W–.06 24 4.4b 73 1-145
IDC VIII 31 16 15 43.0–.78 3.36N 83.00W 0 4.3,4.1 ¶601755734
ISCJB VIII 31 16 15 44.3–.39 3.42N–.03 82.87W–.04 24 4.2b,4.1
NEIC VIII 31 16 15 44.3–.49 3.31N 83.00W 10 4.6b,4.1
RSNC VIII 31 16 15 47.0–.41 3.34N 82.55W 0–21 3.4L,4.1
UCR VIII 31 16 15 47.7–2.2 3.51N 83.02W 36–58 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=13.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=151.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.6km az=55.0.
RSNC Error ellipse: s-maj=8.1km s-min=26.8km az=-1.0.
UCR Error ellipse: s-maj=37.9km s-min=15.2km az=-1.0.
RSNC VIII 31 16 49 49.9–.46 3.44N 82.61W 0–25 3.7L
¶604711969
RSNC Error ellipse: s-maj=13.9km s-min=30.6km az=-1.0.
ISC IX 11 19 25 00.6–1.2 6.11N–.05 82.51W–.05 27–8 4.8b,4.0s 377 2-156
IDC IX 11 19 24 56.2–.68 6.10N 82.47W 0 4.8L,4.6 ¶601706389
MOS IX 11 19 24 57.0–.90 6.19N 82.47W 10 4.9b,4.6
ISCJB IX 11 19 24 57.8–.97 6.17N–.03 82.48W–.02 14–6 4.8b,4.0s
NEIC IX 11 19 24 57.9–.28 6.01N 82.49W 10 4.9b,4.0s
UCR IX 11 19 24 59.7–2.4 6.07N 82.55W 36–225 4.9b,4.3L
GCMT IX 11 19 25 01.9–.20 6.12N–.01 82.47W–.03 14–0 5.0W,4.3L
BJI IX 11 19 25 01.0 6.00N 82.50W 33 5.2b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=15.3km az=44.0.
MOS Error ellipse: s-maj=12.6km s-min=6.9km az=110.8.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.8km az=31.5.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=207.0.
UCR Error ellipse: s-maj=10.7km s-min=6.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c46; s111,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.76±.21 $M_{\theta\theta}$4.08±.16; $M_{\phi\phi}$-0.31±.15; $M_{r\theta}$1.21±.30; $M_{\theta\phi}$0.18±.09; $M_{\phi r}$0.11±.40; Best double couple: NP1:ϕ_s267.00000°,δ54.00000°,λ-91.00000°. NP2:ϕ_s89.00000°,δ36.00000°,λ-88.00000°. Principal axes: T 4.2710,Plg9.0000° ,Azm358.0000°; N -0.3200,Plg1.0000°,Azm267.0000°; P -3.9440,Plg81.0000° ,Azm171.0000° $M_0$4.10800×10^{16}
ISC X 12 05 49 29.1–.65 4.06N–.06 82.56W–.07 14 4.3b,3.6s 85 4-79
ISCJB X 12 05 49 27.3–.34 4.11N–.03 82.50W–.03 14 4.2b,3.6s ¶601828946
IDC X 12 05 49 27.1–.87 4.10N 82.49W 0 4.3,4.2L
NEIC X 12 05 49 28.5–.40 4.03N 82.58W 10 4.5b,4.2L
UCR X 12 05 49 29.3–2.7 4.29N 82.66W 6–26 4.5b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.9km az=42.2.
IDC Error ellipse: s-maj=50.1km s-min=16.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.0km az=64.0.
UCR Error ellipse: s-maj=33.7km s-min=12.5km az=-1.0.
UCR X 16 00 27 30.0–1.8 7.51N 82.12W 7–25 3.8
¶603791009
UCR Error ellipse: s-maj=12.9km s-min=31.8km az=-1.0.
ISC X 16 06 08 58.6–1.7 6.3N–.10 82.46W–.08 10 28 2-7
ISCJB X 16 06 08 57.2–.63 6.27N–.04 82.43W–.04 10 ¶603791012
UCR X 16 06 09 00.9–1.5 6.28N 82.47W 35–999 4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=32.6.
UCR Error ellipse: s-maj=15.3km s-min=5.1km az=-1.0.
ISC X 19 00 09 17.8–.62 4.86N–.05 82.71W–.05 12 3.9b,3.4s 61 1-95
ISCJB X 19 00 09 16.5–.43 4.94N–.04 82.65W–.04 12 3.8b,3.4s ¶601839072
IDC X 19 00 09 16.7–1.2 4.86N 82.71W 0 4.1,3.9
NEIC X 19 00 09 17.9–.44 4.82N 82.69W 10 4.0b,3.9
UCR X 19 00 09 21.6–1.6 5.25N 82.59W 10 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=137.2.
IDC Error ellipse: s-maj=32.2km s-min=17.8km az=36.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.8km az=225.0.
UCR Error ellipse: s-maj=11.2km s-min=7.1km az=-1.0.
ISC X 20 10 56 41.8–.33 2.63N–.03 79.80W–.04 20 4.8b,3.7s 764 2-159
MOS X 20 10 56 38.6–1.0 2.71N 79.68W 10 5.0b,3.7s ¶601839789
NEIC X 20 10 56 40.6–.17 2.67N 79.74W 10 4.8b,3.7s
ISCJB X 20 10 56 40.7–.11 2.78N–.01 79.70W–.02 20 4.8b,3.8s
RSNC X 20 10 56 43.7–.66 2.68N 79.63W 14–7 4.2L,4.1W
IGQ X 20 10 56 43.6–.48 3N–4.0 79W–10 12 4.9,4.9
IDC X 20 10 56 46.4–2.5 2.64N 79.71W 59–22 4.4,4.4
ISC Event type se.
MOS Error ellipse: s-maj=15.8km s-min=4.8km az=113.3.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.6km az=151.7.
RSNC Error ellipse: s-maj=5.4km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=18.3km s-min=11.4km az=52.0.
ISC X 29 10 51 29.2–.84 2.63N–.08 79.76W–.08 20 3.7b 18 3-81
IDC X 29 10 51 26.6–1.2 3.02N 79.14W 0 3.9,3.7 ¶602000263
ISCJB X 29 10 51 28.0–.67 2.67N–.08 79.76W–.05 20 3.6b,3.4s

RSNC X 29 10 51 29.0–.63 2.64N 79.91W 40–999 3.4L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=66.5km s-min=21.6km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.8km az=21.0.
RSNC Error ellipse: s-maj=8.5km s-min=13.7km az=-1.0.
ISC XI 01 20 25 06.5–1.1 7.15N–.09 79.82W–.07 10 3.6b 21 1-145
IDC XI 01 20 25 04.1–1.8 6.77N 80.00W 0 3.9,3.7 **¶602388691**
ISCJB XI 01 20 25 05.1–.81 7.10N–.06 79.84W–.05 10 3.5b,3.7
RSNC XI 01 20 25 07.3–.54 7.12N 79.87W 12–9 4.0W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=69.8km s-min=23.6km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.9km az=34.4.
RSNC Error ellipse: s-maj=7.2km s-min=8.5km az=-1.0.
ISC XI 09 17 50 28.1–2.0 3.41N–.07 78.87W–.07 14–12 3.6b 19 1-144
ISCJB XI 09 17 50 26.8–2.0 3.45N–.06 78.92W–.06 14–14 3.6b **¶604715536**
RSNC XI 09 17 50 27.8–.76 3.42N 78.95W 10–5 3.2W,3.1L
IDC XI 09 17 50 28.1–1.6 0.95N 82.24W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=8.5km az=39.4.
RSNC Error ellipse: s-maj=4.5km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=172.4km s-min=25.6km az=55.0.
ISC XI 11 01 19 33.3–.62 6.56N–.06 82.21W–.06 21 4.5b 75 2-142
IDC XI 11 01 19 30.7–.92 6.60N 82.19W 0 4.4,4.4L **¶601991680**
ISCJB XI 11 01 19 32.4–.30 6.48N–.05 82.24W–.04 21 4.5s,4.4b
NEIC XI 11 01 19 32.1–.35 6.52N 82.19W 10 4.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=16.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=37.8.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.8km az=48.0.
ISC XI 11 09 55 20.7–1.7 4.60N–.09 82.72W–.09 10 42 4-9
ISCJB XI 11 09 55 21.2–.69 4.75N–.05 82.65W–.05 10 **¶605657175**
UCR XI 11 09 55 24.2–2.2 4.82N 82.70W 14–60 4.4W,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.2km az=136.5.
UCR Error ellipse: s-maj=55.7km s-min=12.5km az=-1.0.
ISC XI 15 18 06 03.5–1.4 4.83N–.07 82.70W–.08 12 45 4-8
ISCJB XI 15 18 06 04.9–.68 5.04N–.04 82.65W–.05 12 **¶605657184**
UCR XI 15 18 06 08.5–2.2 5.12N 82.64W 22–84 4.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.5km az=139.6.
UCR Error ellipse: s-maj=54.9km s-min=11.7km az=-1.0.
ISC XI 15 19 10 25.5–.87 5.43N–.05 79.94W–.07 35 3.6b,3.1s 46 2-144
IDC XI 15 19 10 19.6–1.9 5.45N 80.23W 0 4.0,3.9 **¶602389474**
ISCJB XI 15 19 10 23.6–.54 5.43N–.04 79.96W–.04 33 3.5b,3.2s
RSNC XI 15 19 10 25.9–.93 5.50N 79.81W 41–999 3.9W,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=32.8km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=146.8.
RSNC Error ellipse: s-maj=7.7km s-min=8.8km az=-1.0.
UCR XI 16 08 25 41.1–2.8 7.47N 82.54W 7–19 4.3
¶605657186
UCR Error ellipse: s-maj=21.8km s-min=9.0km az=-1.0.
RSNC XI 23 21 55 02.7–1.1 2.77N 79.53W 4–19 3.6W,2.8L
¶604716123
RSNC Error ellipse: s-maj=13.7km s-min=19.2km az=-1.0.
UCR XI 27 13 33 11.6–1.6 6.01N 82.55W 35–56 4.2
¶605657203
UCR Error ellipse: s-maj=33.8km s-min=10.6km az=-1.0.
ISC XI 27 13 37 11.5–.53 5.68N–.06 82.70W–.06 15 4.5b,3.5s 124 3-156
ISCJB XI 27 13 37 10.0–.30 5.73N–.04 82.65W–.03 15 4.4b,3.5s **¶601994821**
IDC XI 27 13 37 09.7–.78 5.63N 82.76W 0 4.4,4.3
NEIC XI 27 13 37 11.0–.38 5.70N 82.62W 10 4.6b,4.3
UCR XI 27 13 37 11.9–1.6 5.91N 82.69W 3–31 4.6b,4.0L
GCMT XI 27 13 37 16.0–.40 5.64N–.02 82.58W–.04 27–1 4.8W,4.0L
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c19; s68,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.13 $M_{\theta\theta}$0.12±.10; $M_{\phi\phi}$-0.15±.12; $M_{r\theta}$0.22±.17; $M_{\theta\phi}$1.67±.08; $M_{\phi r}$-0.39±.17; Best double couple: NP1:ϕ_s3.00000°,δ83.00000°,λ-168.00000°. NP2:ϕ_s272.00000°,δ78.00000°,λ-7.00000°. Principal axes: T 1.6690,Plg4.0000° ,Azm137.0000°; N 0.1260,Plg76.0000°,Azm32.0000°; P -1.7950,Plg14.0000°,Azm228.0000° M_o1.73200×10^{16}
ISC XII 16 16 49 03.2–1.7 5.90N–.03 78.23W–.04 3–10 4.6b 153 1-156
IDC XII 16 16 49 03.1–.50 5.84N 78.14W 0 4.5,4.4 **¶602043821**
NEIC XII 16 16 49 05.7–2.0 5.87N 78.08W 14–12 4.6b,4.4
RSNC XII 16 16 49 05.1–1.1 5.93N 78.21W 18–7 4.6W,4.0L
ISCJB XII 16 16 49 06.7–.21 5.92N–.02 78.12W–.02 33 4.5b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SEISMIC REGION 7.
Caribbean Loop.

(85) Cuba region.

JSN IX 21 08 22 22.6–.67 19.33N 75.42W 0–999 3.7
¶605157985
JSN Error ellipse: s-maj=804.6km s-min=999.9km az=-1.0.
JSN IX 26 17 43 54.4–.62 19.56N 77.89W 30–320 3.6
¶605157989
JSN Error ellipse: s-maj=141.5km s-min=59.8km az=-1.0.
JSN X 13 03 43 35.2–.55 19.42N 77.72W 14–15 3.6
¶605157997
JSN Error ellipse: s-maj=10.6km s-min=6.5km az=-1.0.
ISC X 23 00 06 26.5–.94 19.51N–.07 77.93W–.09 10 3.1b,3.0s 17 1-150
IDC X 23 00 06 24.3–2.0 20.21N 77.14W 0 3.8,3.5 **¶601999321**
ISCJB X 23 00 06 25.9–.87 19.54N–.06 77.94W–.10 10 3.3b,3.0s
JSN X 23 00 06 29.4–1.4 19.44N 77.93W 10–7 3.7,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=50.1km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=6.8km az=152.8.
JSN Error ellipse: s-maj=7.2km s-min=8.5km az=-1.0.
ISC XI 20 00 19 42.2–1.1 22.7N–.10 79.8W–.20 10 3.9s,3.7b 10 13-149
ISCJB XI 20 00 19 41.5–.86 22.8N–.10 79.9W–.10 10 3.7s,3.6b **¶602389711**
IDC XI 20 00 19 41.3–1.4 22.69N 79.88W 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=14.7km az=155.4.
IDC Error ellipse: s-maj=34.2km s-min=28.4km az=81.0.
JSN XII 11 15 24 38.4–1.1 19.61N 80.86W 17–999 4.3
¶605152390
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(86) Jamaica region.

JSN X 05 21 27 20.9–1.1 17.10N 76.25W 16–19 3.6
¶605157994
JSN Error ellipse: s-maj=16.3km s-min=15.4km az=-1.0.
JSN XI 11 19 22 17.9–1.4 18.17N 78.33W 20–999 3.5
¶605152353
JSN Error ellipse: s-maj=19.1km s-min=11.7km az=-1.0.
JSN XII 16 13 23 07.4–.40 17.78N 77.30W 19–6 3.6
¶605152398
JSN Error ellipse: s-maj=3.4km s-min=1.4km az=-1.0.

(87) Haiti region.

NEIC IX 02 12 03 43.9–.76 18.57N 72.65W 10 3.7L
¶601685297
NEIC Event type fe. Error ellipse: s-maj=26.0km s-min=8.1km az=8.0. Felt at Croix des Bouquets, Jacmel, Leogane, Petionville and Port-au-Prince.

(88) Dominican Republic region.

ISC VII 07 20 32 37.8–.47 18.21N–.03 71.14W–.03 25–3 5.1b,4.4s 1634 1-164
JSN VII 07 20 32 28.6–2.2 18.68N 70.51W 0–999 5.1b,4.4s **¶601244023**
ISCJB VII 07 20 32 35.1–.48 18.24N–.01 71.12W–.01 16–3 5.1b,4.4s
MOS VII 07 20 32 37.3–.82 18.24N 71.18W 31 5.3b,4.6s
NEIC VII 07 20 32 38.2–.44 18.24N 71.14W 27–3 5.1b,4.6s
GCMT VII 07 20 32 38.2–.30 18.28N 71.13W 34–1 5.0W,4.6s
IDC VII 07 20 32 41.0–1.8 18.23N 71.17W 51–16 4.9,4.7
ISC Event type fe.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=28.9.
MOS Error ellipse: s-maj=5.5km s-min=4.1km az=102.9.
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=201.0. Felt [IV] at Barahona, [III] at Santiago and Santo Domingo and [II] at San Cristobal. Also felt at Azua, Constanza, Cotui, Las Matas de Farfan, La Vega, Mao, Pedernales, Peralta, San Juan de la Maguana, Sosua, Tenares and Tireo. Felt at Petionville and Port-au-Prince, Haiti.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s36,c48; s94,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.36±.20 $M_{\theta\theta}$-4.14±.13; $M_{\phi\phi}$1.79±.14; $M_{r\theta}$1.99±.13; $M_{\theta\phi}$1.16±.09; $M_{\phi r}$-0.24±.13; Best double couple: NP1:ϕ_s94.00000°,δ61.00000° ,λ81.00000°. NP2:ϕ_s291.00000°,δ30.00000°,λ105.00000°. Principal axes: T 2.9280,Plg73.0000°,Azm343.0000°; N 1.9910,Plg8.0000°,Azm98.0000° ; P -4.9090,Plg15.0000°,Azm190.0000° M_o3.91900×10^{16}
IDC Error ellipse: s-maj=9.7km s-min=9.1km az=32.0.
ISC VII 11 09 11 20.2–.35 18.70N–.04 69.55W–.04 101 4.4b 651 0-158
ISCJB VII 11 09 11 19.5–.14 18.80N–.02 69.44W–.02 101 4.3b **¶601261448**
NEIC VII 11 09 11 21.5–.25 18.71N 69.37W 107–3 4.5b
IDC VII 11 09 11 21.2–1.4 18.71N 69.47W 110–14 4.3,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=137.6.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=213.0. Felt at Santo Domingo.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=29.0.
RSPR VII 30 00 08 38.2 18.68N 69.02W 132–0 3.6
¶601485562
RSPR Event type ke.
ISC VIII 04 06 40 42.1–.33 18.83N–.04 70.42W–.04 90 4.3b 517 0-157
ISCJB VIII 04 06 40 41.0–.12 18.85N–.02 70.34W–.02 90 4.2b **¶601518066**
NEIC VIII 04 06 40 42.3–.24 18.89N 70.31W 84–3 4.3b
IDC VIII 04 06 40 43.4–1.6 18.86N 70.35W 101–15 4.3,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=43.6.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=207.0. Felt [IV] at Santiago and Jarabacoa and [II] at Santo Domingo. Also felt at Bonao, Cayetano Germosen, Cotui, La Vega, Las Guaranas, Licey al Medio, Moca, Sabana Iglesia and San Francisco de Macoris.
IDC Error ellipse: s-maj=12.7km s-min=9.5km az=27.0.
ISC VIII 05 21 51 23.2–.75 19.15N–.05 69.61W–.04 69–8 4.4b 536 1-158
ISCJB VIII 05 21 51 22.8–.26 19.11N–.02 69.61W–.02 81–3 4.3b **¶601518423**
IDC VIII 05 21 51 23.1–1.8 19.17N 69.57W 70–19 4.4,4.2
NEIC VIII 05 21 51 24.9–.25 19.10N 69.60W 85–3 4.4b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.1km az=20.0.
IDC Error ellipse: s-maj=20.2km s-min=10.3km az=11.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.5km az=204.0. Felt [III] at San Pedro de Macoris and Santo Domingo. Also felt at Fantino, Las Terrenas and Villa Riva.
NEIC VIII 09 23 45 58.8–.41 19.01N 69.50W 41–9 4.1b
¶601541962
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=4.2km az=184.0. Felt at Las Terrenas and Samana.
ISC IX 16 18 03 47.4–.79 19.62N–.09 70.33W–.08 25 3.6b 12 4-72
IDC IX 16 18 03 43.6–.98 19.55N 70.40W 0 3.9,3.7 **¶601863666**
ISCJB IX 16 18 03 45.2–.70 19.58N–.07 70.31W–.06 25 3.5b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC X 15 02 46 40.7–.93 19.19N–.05 69.07W–.04 65–10 4.4b 85 1-68
NEIC X 15 02 46 40.6–.43 19.31N 69.13W 75–5 4.5b **¶601834068**
ISCJB X 15 02 46 41.1–.37 19.08N–.04 69.09W–.02 81–4 4.2b
IDC X 15 02 46 42.7–2.1 19.12N 69.07W 88–22 4.0,3.9
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.2km az=190.0. Felt [III] at Santo Domingo and [II] at Fantino and Samana. Also felt at La Romana, Las Terrenas and Otra Banda.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=7.4.
IDC Error ellipse: s-maj=21.7km s-min=13.2km az=54.0.
ISC X 17 03 30 48.1–.67 18.53N–.04 70.78W–.02 13–4 4.7b,3.9s 457 0-156
ISCJB X 17 03 30 45.8–.13 18.59N–.02 70.81W–.02 10 4.5b,3.9s **¶601837360**
IDC X 17 03 30 45.9–.41 18.53N 70.79W 0 4.4,4.4
GCMT X 17 03 30 46.5–.30 18.76N–.02 70.68W–.02 12–2 4.7W,4.4
NEIC X 17 03 30 48.4–.23 18.53N 70.74W 10 4.7b,4.4
BJI X 17 03 30 48.0 18.70N 70.90W 13 4.7b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=25.2.
IDC Error ellipse: s-maj=12.5km s-min=10.9km az=45.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s5,c5; s66,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.07 $M_{\theta\theta}$-1.40±.08; $M_{\phi\phi}$1.55±.09; $M_{r\theta}$0.33±.20; $M_{\theta\phi}$0.32±.06; $M_{\phi r}$-0.19±.20; Best double couple: NP1:ϕ_s322.00000°,δ84.00000°,λ-166.00000°. NP2: ϕ_s230.00000°,δ76.00000°,λ-6.00000°. Principal axes: T 1.5990,Plg5.0000°,Azm95.0000° ; N -0.0710,Plg75.0000°,Azm345.0000°; P -1.5200,Plg14.0000°,Azm187.0000° M_o1.55900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=26.0. Felt [III] at Concepcion and [II] at Santo Domingo. Also felt at Azua, Constanza, La Lomota, Peralta, Puerto Plata, San Jose de Ocoa and Santiago.
ISC X 19 17 15 54.9–.45 18.48N–.05 70.84W–.03 10 4.3b 81 0-156
ISCJB X 19 17 15 53.5–.30 18.48N–.05 70.88W–.03 10 4.2b,2.8s **¶601998958**
NEIC X 19 17 15 55.2–.35 18.51N 70.86W 10 4.5b,2.8s
IDC X 19 17 16 01.1–2.9 18.30N 70.68W 58–29 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=18.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.4km az=21.0.
IDC Error ellipse: s-maj=20.9km s-min=17.2km az=12.0.
ISC X 21 15 07 31.6–.38 19.53N–.04 69.81W–.05 24 4.3b 139 1-158
NEIC X 21 15 07 29.8–.17 19.54N 69.84W 10 4.4b **¶601839959**
ISCJB X 21 15 07 30.0–.18 19.56N–.03 69.81W–.03 24 4.2b,3.5s
IDC X 21 15 07 35.0–3.1 19.52N 69.88W 50–30 4.1,4.0
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=218.0. Felt [II] at Santiago. Also felt at Cabrera, Fantino, La Lomota, Moca, Monte Llano, Nagua, Puerto Plata and Santo Domingo.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=31.9.
IDC Error ellipse: s-maj=18.6km s-min=12.6km az=28.0.
ISC XII 07 10 00 40.0–.83 17.49N–.08 69.86W–.06 10 3.5b 17 4-69
ISCJB XII 07 10 00 37.4–.67 17.40N–.06 69.89W–.07 10 3.4b **¶602390599**
IDC XII 07 10 00 39.1–1.3 17.76N 69.79W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.9km az=43.9.
IDC Error ellipse: s-maj=30.4km s-min=19.7km az=22.0.
ISC XII 27 21 44 40.6–.47 18.83N–.06 71.70W–.04 10 3.9b 53 0-155
ISCJB XII 27 21 44 37.9–.37 18.94N–.05 71.65W–.03 10 3.8b,3.0s **¶602213316**
NEIC XII 27 21 44 37.8–1.1 19.06N 71.75W 5–8 4.0b,3.0s
IDC XII 27 21 44 40.5–.72 18.94N 71.55W 0 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.4km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.5km az=177.0. Felt at Hinche, Haiti.
IDC Error ellipse: s-maj=23.5km s-min=15.6km az=42.0.

(89) Mona Passage.

RSPR VII 19 03 15 35.7 18.10N 67.61W 151–0 3.5
NEIC VII 19 03 15 35.7–.00 18.10N 67.61W 151 3.5 **¶601405106**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 24 05 11 38.9 18.01N 67.09W 7–0 3.7

NEIC VII 24 05 11 38.9–.00 18.01N 67.09W 7 3.7 ¶601462451
RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Cabo Rojo and [II] at San German. After RSPR.
ISC VIII 06 18 19 37.8–1.4 18.5N–.10 68.62W–.05 141–10 43 1-15
ISCJB VIII 06 18 19 37.7–1.0 18.6N–.10 68.58W–.06 138–8 ¶601521138
NEIC VIII 06 18 19 37.4–.00 18.48N 68.62W 144 3.8
RSPR VIII 06 18 19 37.4 18.48N 68.62W 144–1 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=8.1km az=168.6.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 09 10 23 05.0 18.19N 68.39W 140–2 3.8
NEIC VIII 09 10 23 05.0–.00 18.19N 68.39W 140 3.8 ¶601533516
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 11 04 21 52.4 19.11N 67.86W 149–13 3.6
NEIC VIII 11 04 21 52.4–.00 19.11N 67.86W 149 3.6 ¶601551103
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 12 04 53 46.7 19.52N 67.97W 104–10 3.7
NEIC VIII 12 04 53 46.7–.00 19.52N 67.97W 104 3.7 ¶601553245
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 05 23 27 53.7 18.99N 68.41W 47–4 3.5
NEIC IX 05 23 27 53.7–.00 18.99N 68.41W 47 3.5 ¶601676716
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 10 22 03 30.8–.41 19.31N–.04 67.60W–.03 21 4.3b,3.3s 172 1-124
IDC IX 10 22 03 27.1–.63 19.33N 67.66W 0 4.2,4.0 ¶601703092
ISCJB IX 10 22 03 29.0–.24 19.42N–.02 67.64W–.02 21 4.3b,3.3s
NEIC IX 10 22 03 31.2–.00 19.51N 67.64W 17 4.5b,4.2
RSPR IX 10 22 03 31.2 19.51N 67.64W 17–3 4.2,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=18.5km s-min=13.4km az=36.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=43.1.
NEIC Event type fe. Felt at Manati. After RSPR.
RSPR Event type ke.
RSPR IX 10 23 15 15.7 19.66N 67.59W 58–11 3.7
NEIC IX 10 23 15 15.7–.00 19.66N 67.59W 58 3.7 ¶601703095
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 11 17 29 54.1 18.81N 68.78W 138–2 3.8
NEIC IX 11 17 29 54.0–.00 18.81N 68.78W 138 3.8 ¶601706388
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 24 14 45 26.8 18.87N 68.63W 169–1 3.6
NEIC IX 24 14 45 26.8–.00 18.87N 68.63W 170 3.6 ¶601740313
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 01 20 23 39.1 18.20N 67.15W 23–2
¶601776127
RSPR Event type ke.
ISC X 07 07 49 30.2–1.5 17.9N–.10 68.56W–.09 95 63 1-13
ISCJB X 07 07 49 29.3–.88 17.9N–.10 68.58W–.06 95 ¶601804023
NEIC X 07 07 49 30.8–.00 18.02N 68.56W 97 3.6
RSPR X 07 07 49 30.8 18.02N 68.56W 97–1 3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=5.3km az=153.3.
NEIC Event type fe. Felt at Salvaleon de Higuey. After RSPR.
RSPR Event type ke.
RSPR X 11 16 38 23.5 18.06N 68.53W 120–1 2.8
NEIC X 11 16 38 23.5–.00 18.06N 68.53W 120 2.8 ¶601826737
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 16 21 23 20.3 18.15N 68.49W 67–1 2.6
NEIC X 16 21 23 20.3–.00 18.15N 68.49W 66 2.6 ¶601837342
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 17 02 50 26.8 18.08N 68.14W 91–1 3.4
NEIC X 17 02 50 26.8–.00 18.08N 68.14W 91 3.4 ¶601837357
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 25 20 26 43.1–.47 17.53N–.05 68.81W–.05 35 4.2b 49 1-158
IDC X 25 20 26 38.1–.57 17.59N 68.86W 0 4.2,4.1 ¶601848634
ISCJB X 25 20 26 41.2–.36 17.51N–.04 68.79W–.03 33 4.0b,4.1
NEIC X 25 20 26 41.5–1.4 17.58N 68.81W 20–10 3.4,4.1
RSPR X 25 20 26 45.0 18.16N 68.66W 111–1 3.4,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=14.8km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=163.9.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=201.0.
RSPR Event type ke.
RSPR XI 03 07 07 24.8 17.81N 68.70W 99–7 3.5,3.4
NEIC XI 03 07 07 24.8–.00 17.81N 68.70W 99 3.4,3.4 ¶601869374
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 08 00 49 45.1–1.9 17.60N–.05 68.82W–.04 9–12 4.3b 83 1-149
IDC XI 08 00 49 44.6–.58 17.87N 68.84W 0 4.3,4.2 ¶601880077
ISCJB XI 08 00 49 45.5–1.2 17.49N–.03 68.88W–.03 28–10 4.2b,4.2
NEIC XI 08 00 49 45.7–.00 17.66N 68.90W 112 3.8,4.2
RSPR XI 08 00 49 45.7 17.66N 68.90W 112–9 3.8,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=13.7km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=145.5.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XI 08 14 26 10.9 17.22N 68.33W 37–12
NEIC XI 08 14 26 10.9–.00 17.22N 68.33W 37 3.1 ¶601881311
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 12 04 55 30.4 18.50N 68.26W 165–1 3.6
NEIC XI 12 04 55 30.4–.00 18.50N 68.26W 165 3.6 ¶601884095
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 25 11 06 07.8 18.24N 68.40W 164–0 3.6
NEIC XI 25 11 06 07.8–.00 18.24N 68.40W 164 3.6 ¶601994362
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 27 12 45 42.5 18.32N 68.21W 165–2 3.2
NEIC XI 27 12 45 42.5–.00 18.32N 68.21W 165 3.3 ¶601994818
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 13 07 02 21.6 19.00N 68.39W 25–16 3.1
NEIC XII 13 07 02 21.6–.00 19.00N 68.39W 25 3.1 ¶602043324
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 19 08 35 31.7 17.47N 67.45W 21–15 3.4
NEIC XII 19 08 35 31.7–.00 17.47N 67.45W 21 3.4 ¶602051553
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 25 02 29 16.6 19.50N 67.93W 59–6 3.4
NEIC XII 25 02 29 16.6–.00 19.50N 67.93W 59 3.4 ¶602058092
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 29 00 39 26.3 18.52N 68.14W 11–7 2.8
NEIC XII 29 00 39 26.3–.00 18.52N 68.14W 11 2.8 ¶602062462
RSPR Event type ke.
NEIC Event type se. After RSPR.

(90) Puerto Rico region.

ISC VII 12 02 11 36.8–.77 19.21N–.05 65.03W–.03 25 3.6b 111 1-69
IDC VII 12 02 11 29.5–1.0 19.38N 64.31W 0 4.0,3.8 ¶601266299
ISCJB VII 12 02 11 35.2–.52 19.27N–.04 65.00W–.02 25 3.5b,3.8
TRN VII 12 02 11 35.5 19.14N 65.04W 23 3.5b,3.8
NEIC VII 12 02 11 36.7–.00 19.28N 64.94W 14 3.8,3.8
RSPR VII 12 02 11 36.7 19.28N 64.94W 14–4 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=20.8km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=3.1.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VII 19 06 27 40.3–.59 18.37N–.05 65.39W–.03 106–5 3.8b 167 0-75
TRN VII 19 06 27 35.4 18.97N 65.18W 162 4.5 ¶601405110
NEIC VII 19 06 27 39.0–.00 18.46N 65.34W 114 4.1b,4.0
IDC VII 19 06 27 39.8–.87 18.33N 65.37W 107–8 3.9,3.8
RSPR VII 19 06 27 40.7 18.58N 65.37W 99–0 4.0,3.8
ISC Event type fe.
NEIC Event type fe. Felt [II] at Naguabo and Guaynabo. Also felt at Aibonito, Barranquitas, Bayamon, Caguas, Canovanas, Carolina, Ceiba, Comerio, Corozal, Culebra, Fajardo, Naranjito, San Juan, Toa Alta and Utuado. Felt on Saint Thomas, Virgin Islands. After RSPR.
IDC Error ellipse: s-maj=19.5km s-min=15.5km az=71.0.
RSPR Event type ke.
RSPR VIII 12 05 03 00.7 18.80N 65.12W 15–1 2.8
NEIC VIII 12 05 03 00.7–.00 18.80N 65.12W 15 2.8 ¶601605955
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 01 19 52 14.6 19.46N 65.32W 16–3 3.5
NEIC IX 01 19 52 14.6–.00 19.46N 65.32W 16 3.8 ¶601670039
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 05 02 15 02.6–2.0 19.4N–.10 65.19W–.05 25 39 1-2
NEIC IX 05 02 15 00.9–.00 19.18N 65.01W 130 3.5 ¶601687195
RSPR IX 05 02 15 00.9 19.18N 65.01W 130–3 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 16 09 47 01.6 19.04N 65.83W 14–8
NEIC IX 16 09 47 01.6–.00 19.04N 65.83W 14 2.9 ¶601717957
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 16 09 47 56.0 19.07N 65.83W 14–1
NEIC IX 16 09 47 56.0–.00 19.07N 65.83W 14 3.1 ¶601717960
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 18 10 25 36.5 19.10N 66.90W 56–3 3.2
NEIC IX 18 10 25 36.5–.00 19.10N 66.90W 56 3.2 ¶601722619
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 28 16 17 13.4 19.49N 66.26W 83–9 3.5
NEIC IX 28 16 17 13.4–.00 19.49N 66.26W 84 3.5 ¶601757223
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 05 06 37 30.1–1.2 19.96N–.06 65.44W–.03 47–14 3.8b,3.0s 176 2-64
NEIC X 05 06 37 30.9–.00 19.96N 65.47W 36 4.0,3.9b ¶601783867
RSPR X 05 06 37 31.0 19.96N 65.47W 37–18 4.0,3.9b
IDC X 05 06 37 30.3–2.8 19.89N 65.40W 51–26 3.8,3.7L
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=14.8km az=15.0.
RSPR X 11 09 17 37.1 19.19N 65.43W 31–9
NEIC X 11 09 17 37.1–.00 19.19N 65.43W 31 3.2 ¶601826722
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 26 06 01 33.4 19.73N 66.31W 98–6 3.6
NEIC XI 26 06 01 33.4–.00 19.73N 66.31W 98 3.6 ¶601994506
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 27 05 39 39.9 18.56N 66.70W 83–1 3.1
NEIC XI 27 05 39 39.9–.00 18.56N 66.70W 83 3.1 ¶601994751
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 02 08 09 49.3–1.3 18.84N–.05 65.44W–.02 24–14 84 1-2
NEIC XII 02 08 09 51.5–.00 18.82N 65.44W 47 3.6 ¶601995768
RSPR XII 02 08 09 51.5 18.82N 65.44W 47–2 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XII 22 00 17 31.5 18.59N 65.05W 29–5 2.8
NEIC XII 22 00 17 31.4–.00 18.59N 65.05W 29 2.8 ¶602055866
RSPR Event type ke.
NEIC Event type se. After RSPR.

(91) Virgin Islands.

ISC VIII 02 17 42 43.6–.72 18.59N–.04 64.56W–.02 54–5 4.3b 148 0-74
TRN VIII 02 17 42 42.5 18.59N 64.57W 49 4.3b ¶601511889
ISCJB VIII 02 17 42 43.1–.34 18.57N–.04 64.55W–.02 62–3 4.0b
NEIC VIII 02 17 42 45.2–.00 18.62N 64.59W 48 4.0
IDC VIII 02 17 42 45.2–1.4 18.47N 64.48W 70–15 4.0,3.9
RSPR VIII 02 17 42 45.2 18.62N 64.59W 48–1 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=2.5km az=12.4.
NEIC Event type fe. Felt [IV] on Saint Thomas, [III] on Saint John and Tortola and [II] on Saint Croix. Also felt at Bayamon, Puerto Rico. After RSPR.
IDC Error ellipse: s-maj=19.4km s-min=8.0km az=21.0.
RSPR Event type ke.
ISC VIII 03 04 56 12.7–2.1 19.5N–.10 64.87W–.09 32–17 69 1-4
NEIC VIII 03 04 56 12.6–.00 19.50N 64.83W 77 3.9 ¶601513948
RSPR VIII 03 04 56 12.6 19.50N 64.83W 77–5 3.9
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 25 07 07 57.4–3.0 19.69N–.06 64.35W–.03 7–20 4.0b,3.2s 121 1-94
TRN VIII 25 07 07 55.8 19.62N 64.35W 8 4.0b,3.2s ¶601625879
ISCJB VIII 25 07 07 57.7–1.2 19.70N–.04 64.35W–.02 20–11 3.8b,3.2s
IDC VIII 25 07 07 57.4–1.7 19.60N 64.23W 0 4.0,3.9
NEIC VIII 25 07 07 59.6–.00 19.84N 64.30W 20 4.2b,3.9
RSPR VIII 25 07 07 59.6 19.84N 64.30W 20–7 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=14.6.
IDC Error ellipse: s-maj=38.1km s-min=17.5km az=88.0.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 26 14 37 52.0–1.7 19.50N–.04 64.37W–.04 30–12 4.8b,3.9s 811 1-163
IDC VIII 26 14 37 47.9–.36 19.44N 64.36W 0 4.6,4.5 ¶601626469
TRN VIII 26 14 37 49.1 19.58N 64.32W 29 4.6,4.5
ISCJB VIII 26 14 37 50.7–.81 19.47N–.02 64.33W–.02 32–6 4.8b,4.0s
NEIC VIII 26 14 37 51.0–.00 19.66N 64.26W 32 4.8b,4.1
RSPR VIII 26 14 37 51.1 19.66N 64.26W 32–20 4.1,4.1
GCMT VIII 26 14 37 53.0–.40 19.71N–.02 64.33W–.03 19–2 4.9W,4.1
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c25; s59,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.27±.16 $M_{\theta\theta}$-1.86±.14; $M_{\phi\phi}$1.60±.14; $M_{r\theta}$-0.93±.34; $M_{\theta\phi}$1.69±.12; $M_{\phi r}$-0.07±.27; Best double couple: NP1:ϕ_s67.00000°,δ88.00000°,λ-20.00000°. NP2:ϕ_s158.00000°,δ70.00000°,λ-177.00000°. Principal axes: T 2.3770,Plg12.0000° ,Azm114.0000°; N 0.4110,Plg70.0000°,Azm240.0000°; P -2.7820,Plg16.0000°,Azm21.0000° M_o2.57900×10^{16}
ISC VIII 26 15 56 07.2–1.8 19.52N–.05 64.38W–.04 6–11 3.8b 96 1-163

IDC VIII 26 15 56 06.0–.68 19.43N 64.28W 0 4.0,3.9 **¶601626658**
RSPR VIII 26 15 56 09.8 19.58N 64.39W 10–11 4.2,3.9
NEIC VIII 26 15 56 09.8–.00 19.58N 64.39W 10 4.2,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=16.2km az=24.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 18 32 54.5 19.54N 64.49W 17–7 3.5
NEIC VIII 26 18 32 54.5–.00 19.54N 64.49W 17 3.5 **¶601626660**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 22 03 08.7 19.53N 64.23W 67–4 3.5
NEIC VIII 26 22 03 08.7–.00 19.53N 64.23W 67 3.5 **¶601627837**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 22 10 24.4 19.69N 64.19W 40–10 3.6
NEIC VIII 26 22 10 24.4–.00 19.69N 64.19W 40 3.6 **¶601626710**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 27 03 21 30.9 19.73N 64.18W 36–10 3.8
NEIC VIII 27 03 21 30.9–.00 19.73N 64.18W 36 3.8 **¶601626903**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 27 03 47 42.9 19.74N 64.34W 35–21 3.6
NEIC VIII 27 03 47 42.9–.00 19.74N 64.34W 35 3.6 **¶601627854**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 27 16 39 40.2–2.0 19.50N–.04 64.39W–.03 13–13 4.3b,3.5s 172 1-162
IDC VIII 27 16 39 38.5–.55 19.63N 64.40W 0 4.3,4.1 **¶601627759**
ISCJB VIII 27 16 39 40.3–.98 19.51N–.03 64.37W–.02 28–7 4.3b,3.5s
NEIC VIII 27 16 39 42.9–.00 19.57N 64.53W 6 4.6b,4.4
RSPR VIII 27 16 39 42.9 19.57N 64.53W 6–7 4.4,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=10.6.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 27 17 00 51.4 19.60N 64.23W 60–6 3.6
NEIC VIII 27 17 00 51.4–.00 19.60N 64.23W 60 3.6 **¶601627760**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 27 17 05 13.7 19.63N 64.29W 43–25 3.8
NEIC VIII 27 17 05 13.7–.00 19.63N 64.29W 43 3.8 **¶601627762**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 27 17 50 47.4 19.53N 64.45W 6–6 3.7
NEIC VIII 27 17 50 47.4–.00 19.53N 64.45W 6 3.7 **¶601627767**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 28 09 14 30.1 19.69N 64.25W 25–16 3.0
NEIC VIII 28 09 14 30.1–.00 19.69N 64.25W 25 3.0 **¶601629749**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 29 05 09 21.9 18.95N 64.92W 36–4 2.3
¶601643061
RSPR Event type ke.
ISC VIII 29 06 37 17.7–1.9 19.52N–.06 64.43W–.04 14–11 3.5b 76 1-69
IDC VIII 29 06 37 15.4–1.5 19.33N 64.33W 0 3.8,3.6b **¶601630293**
ISCJB VIII 29 06 37 17.8–1.2 19.57N–.05 64.40W–.03 31–8 3.5b,3.5s
NEIC VIII 29 06 37 19.0–.00 19.63N 64.40W 17 3.7,3.5s
RSPR VIII 29 06 37 19.0 19.63N 64.40W 17–17 3.7,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=42.2km s-min=24.3km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.0km az=168.5.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 29 19 35 53.9–.66 19.46N–.03 64.39W–.03 17–4 4.9b,4.4s 871 1-170
ISCJB VIII 29 19 35 50.3–.79 19.55N–.01 64.40W–.02 4–5 4.8b,4.3s **¶601643231**
IDC VIII 29 19 35 51.0–.33 19.43N 64.38W 0 4.6,4.6
NEIC VIII 29 19 35 54.2–.00 19.65N 64.32W 31 5.0b,4.7
RSPR VIII 29 19 35 54.2 19.65N 64.32W 31–22 4.7,4.7
GCMT VIII 29 19 35 56.2–.20 19.63N–.01 64.43W–.01 12 5.0W,4.7
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c55; s106,c166;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.11 $M_{\theta\theta}$-3.79±.11; $M_{\phi\phi}$2.08±.12; $M_{r\theta}$-1.17±.31; $M_{\theta\phi}$3.22±.09; $M_{\phi r}$0.17±.31; Best double couple: NP1:ϕ_s250.00000°,δ89.00000°,λ14.00000°. NP2:ϕ_s159.00000°,δ76.00000°,λ179.00000°. Principal axes: T 3.5630,Plg11.0000° ,Azm115.0000°; N 1.8410,Plg76.0000°,Azm254.0000°; P -5.3940,Plg9.0000°,Azm23.0000° $M_0$4.47800×10^{16}
ISC VIII 29 19 44 10.3–1.2 19.49N–.03 64.33W–.03 16–7 4.5b 275 1-163
IDC VIII 29 19 44 07.6–.41 19.48N 64.33W 0 4.3,4.3 **¶601645618**
GCMT VIII 29 19 44 09.1–.40 19.64N–.02 64.22W–.04 17–2 4.8W,4.3
ISCJB VIII 29 19 44 10.9–.78 19.51N–.02 64.32W–.02 32–6 4.5b,3.8s
NEIC VIII 29 19 44 12.1–.00 19.62N 64.33W 25 4.8b,4.3
RSPR VIII 29 19 44 12.1 19.62N 64.33W 25–16 4.3,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=11.6km s-min=11.0km az=80.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s89,c114;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.11 $M_{\theta\theta}$-0.96±.11; $M_{\phi\phi}$0.73±.10; $M_{r\theta}$-1.26±.45; $M_{\theta\phi}$1.57±.11; $M_{\phi r}$0.31±.26; Best double couple: NP1:ϕ_s77.00000°,δ85.00000°,λ-31.00000°. NP2:ϕ_s169.00000°,δ59.00000°,λ-175.00000°. Principal axes: T 1.7980,Plg18.0000° ,Azm127.0000°; N 0.6770,Plg58.0000°,Azm249.0000°; P -2.4740,Plg25.0000°,Azm28.0000° $M_0$2.13600×10^{16}
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=44.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 29 20 25 13.7–2.0 19.52N–.08 64.32W–.04 18–7 72 1-5
ISCJB VIII 29 20 25 11.8–1.3 19.64N–.05 64.28W–.04 30–9 **¶601645619**
NEIC VIII 29 20 25 13.0–.00 19.65N 64.20W 40 4.0
RSPR VIII 29 20 25 13.0 19.65N 64.20W 40–15 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.7km az=4.7.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 29 20 30 58.9–1.8 19.57N–.06 64.33W–.03 17–11 4.0b 115 1-162
IDC VIII 29 20 30 56.6–.80 19.67N 64.32W 0 4.1,4.0 **¶601645620**
NEIC VIII 29 20 31 00.8–.00 19.58N 64.35W 8 3.7,4.0
RSPR VIII 29 20 31 00.8 19.58N 64.35W 8–2 3.7,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=19.1km az=54.0.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 29 21 07 17.8–1.0 19.65N–.04 64.28W–.03 2–6 4.3b,3.5s 203 1-163
IDC VIII 29 21 07 17.8–.47 19.49N 64.24W 0 4.2,4.1 **¶601643236**
NEIC VIII 29 21 07 19.7–.00 19.80N 64.26W 17 4.4b,4.2
RSPR VIII 29 21 07 19.7 19.80N 64.26W 17–4 4.2,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=12.2km az=62.0.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 29 21 26 52.3 19.71N 64.23W 25–25 3.7
NEIC VIII 29 21 26 52.3–.00 19.71N 64.23W 25 3.7 **¶601645621**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 29 21 47 37.8–3.5 19.60N–.09 64.33W–.04 17–24 109 1-6
ISCJB VIII 29 21 47 37.5–1.1 19.64N–.06 64.34W–.03 27–7 **¶601645622**
NEIC VIII 29 21 47 39.2–.00 19.66N 64.28W 16 3.8
RSPR VIII 29 21 47 39.2 19.66N 64.28W 16–3 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.2km az=178.1.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 29 22 26 27.4–.94 19.55N–.03 64.45W–.03 5–6 4.5b,4.1s 539 1-162
ISCJB VIII 29 22 26 25.9–.82 19.64N–.01 64.35W–.02 5–5 4.5b,4.1s **¶601645624**
IDC VIII 29 22 26 27.1–.43 19.52N 64.34W 0 4.4,4.3
NEIC VIII 29 22 26 28.6–.00 19.77N 64.24W 29 4.5b,4.3
RSPR VIII 29 22 26 28.6 19.77N 64.24W 29–19 4.3,4.3
GCMT VIII 29 22 26 31.6–.20 19.72N–.01 64.34W–.01 12 4.9W,4.3
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s97,c140;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.24±.07 $M_{\theta\theta}$-1.50±.06; $M_{\phi\phi}$1.27±.06; $M_{r\theta}$-1.26±.19; $M_{\theta\phi}$1.88±.05; $M_{\phi r}$0.40±.18; Best double couple: NP1:ϕ_s70.00000°,δ80.00000°,λ-21.00000°. NP2:ϕ_s164.00000°,δ69.00000°,λ-169.00000°. Principal axes: T 2.2470,Plg7.0000° ,Azm119.0000°; N 0.7430,Plg67.0000°,Azm226.0000°; P -2.9810,Plg22.0000°,Azm26.0000° $M_0$2.61400×10^{16}
RSPR VIII 29 22 54 28.4 19.64N 64.15W 16–6 3.6
¶601667521
RSPR Event type ke.
RSPR VIII 29 23 13 05.1 19.66N 64.33W 16–10 3.6
¶601668119
RSPR Event type ke.
ISC VIII 30 01 33 35.2–2.3 19.61N–.07 64.29W–.04 19–5 102 1-5
ISCJB VIII 30 01 33 33.6–1.1 19.69N–.05 64.27W–.03 21–8 **¶601645629**
NEIC VIII 30 01 33 35.4–.00 19.70N 64.19W 14 3.8
RSPR VIII 30 01 33 35.4 19.70N 64.19W 14–7 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=172.7.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 30 02 14 46.7–1.7 19.57N–.07 64.38W–.03 28–12 3.7b,3.0s 101 1-89
IDC VIII 30 02 14 42.0–.98 19.50N 64.27W 0 3.9,3.7 **¶601645630**
ISCJB VIII 30 02 14 45.3–.78 19.65N–.05 64.32W–.03 37–10 3.6b,3.1s
NEIC VIII 30 02 14 46.7–.00 19.65N 64.30W 48 3.8,3.1s
RSPR VIII 30 02 14 46.7 19.65N 64.30W 48–7 3.8,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=20.0km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.9km az=12.6.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 30 02 20 08.1 19.70N 64.22W 29–17 3.7
NEIC VIII 30 02 20 08.1–.00 19.70N 64.22W 28 3.7 **¶601645631**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 30 03 59 04.7–1.9 19.48N–.07 64.34W–.04 26–14 3.5b,3.4s 52 1-162
IDC VIII 30 03 59 00.0–1.2 19.45N 64.35W 0 3.8,3.6L **¶601645634**
ISCJB VIII 30 03 59 02.3–1.6 19.50N–.05 64.32W–.03 25–14 3.5s,3.5b
NEIC VIII 30 03 59 02.1–.00 19.70N 64.19W 24 4.0L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=23.4km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=9.8.
NEIC Event type se. After RSPR.
ISC VIII 30 03 59 36.1–.51 19.46N–.03 64.36W–.02 33–3 4.2b,3.5s 242 1-163
TRN VIII 30 03 59 26.0 18.01N 63.31W 111 4.2b,3.5s **¶601755597**
IDC VIII 30 03 59 31.2–.44 19.43N 64.35W 0 4.2,4.1
ISCJB VIII 30 03 59 36.2–.53 19.49N–.03 64.34W–.02 45–6 4.2b,3.5s
NEIC VIII 30 03 59 37.1–.00 19.61N 64.34W 29 4.3b,3.5s
RSPR VIII 30 03 59 37.1 19.61N 64.34W 29–11 3.4,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=11.9km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=15.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 30 05 16 45.1 19.68N 64.22W 51–7 2.8
NEIC VIII 30 05 16 45.1–.00 19.68N 64.22W 51 2.8 **¶601645635**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 30 05 34 47.9 19.71N 64.15W 49–9 3.6
NEIC VIII 30 05 34 47.9–.00 19.71N 64.15W 49 3.6 **¶601645636**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 30 05 39 30.6–2.7 19.6N–.10 64.39W–.06 2–14 28 1-4
NEIC VIII 30 05 39 33.1–.00 19.56N 64.19W 86 3.7 **¶601669945**
RSPR VIII 30 05 39 33.1 19.56N 64.19W 86–3 3.7
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 30 06 08 17.7 19.50N 64.17W 80–3 3.5
¶601668224
RSPR Event type ke.
RSPR VIII 30 09 25 25.0 19.63N 64.30W 77–3 3.7
NEIC VIII 30 09 25 25.0–.00 19.63N 64.30W 77 3.7 **¶601650915**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 30 11 13 33.0 19.07N 64.55W 58–5 3.3
NEIC VIII 30 11 13 33.0–.00 19.07N 64.55W 58 3.3 **¶601650921**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 30 12 29 17.1–2.0 19.51N–.06 64.39W–.03 5–12 108 1-162
IDC VIII 30 12 29 17.9–1.5 19.34N 64.55W 0 3.8,3.7 **¶601653044**
NEIC VIII 30 12 29 20.0–.00 19.62N 64.38W 11 3.8,3.7
RSPR VIII 30 12 29 20.0 19.62N 64.38W 11–4 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=23.7km az=43.0.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 30 15 53 52.7 19.65N 64.29W 16–10 3.8
NEIC VIII 30 15 53 52.7–.00 19.65N 64.29W 16 3.8 **¶601653052**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 30 17 14 30.9 19.60N 64.36W 44–9 3.7
NEIC VIII 30 17 14 30.8–.00 19.60N 64.36W 44 3.7 **¶601653053**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 31 00 19 05.3 19.74N 64.19W 30–23 2.6
NEIC VIII 31 00 19 05.3–.00 19.74N 64.19W 30 2.6 **¶601671786**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 31 03 58 39.8 19.66N 64.03W 65–5 3.7
NEIC VIII 31 03 58 39.8–.00 19.66N 64.03W 65 3.7 **¶601671777**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 31 07 30 22.1 19.64N 64.25W 29–18 3.5
¶601664262
RSPR Event type ke.
RSPR VIII 31 10 33 18.0 19.60N 64.40W 17–11 3.9
¶601666278
RSPR Event type ke.
RSPR VIII 31 12 34 35.8 19.62N 64.17W 8–17 3.5
NEIC VIII 31 12 34 35.7–.00 19.62N 64.17W 7 3.5 **¶601673006**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 31 15 53 15.0 19.70N 64.19W 25–16 3.2
NEIC VIII 31 15 53 15.0–.00 19.70N 64.19W 25 3.2 **¶601672996**

RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 31 16 27 09.7 19.65N 64.33W 37–16 3.2
NEIC VIII 31 16 27 09.7–.00 19.65N 64.33W 37 3.5 **¶601672989**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 31 19 34 44.4 19.58N 64.32W 58–10 3.7
NEIC VIII 31 19 34 44.3–.00 19.58N 64.32W 57 3.7 **¶601668303**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 01 10 00 35.9–1.6 19.47N–.04 64.41W–.03 10–10 3.9b 100 1-162
ISCJB IX 01 10 00 33.9–.87 19.50N–.03 64.38W–.02 5–5 3.8b,3.0s **¶601670019**
NEIC IX 01 10 00 35.1–.00 19.69N 64.26W 11 4.2b,3.9
RSPR IX 01 10 00 35.2 19.69N 64.26W 12–7 3.9,3.9
IDC IX 01 10 00 40.0–4.2 19.31N 64.36W 38–38 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=6.7.
NEIC Event type se. After RSPR.
RSPR Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=15.9km az=55.0.
RSPR IX 01 19 37 22.5 19.64N 64.23W 10–14
NEIC IX 01 19 37 22.5–.00 19.64N 64.23W 10 3.8 **¶601674394**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 01 20 45 13.0–1.7 19.52N–.05 64.43W–.03 11–10 3.9b 114 1-91
IDC IX 01 20 45 11.2–.96 19.50N 64.32W 0 4.0,3.8b **¶601670041**
NEIC IX 01 20 45 17.1–.00 19.56N 64.44W 36 3.6L,3.8b
RSPR IX 01 20 45 17.1 19.56N 64.44W 36–7 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=22.0km az=11.0.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IX 01 21 30 24.5–1.5 19.54N–.04 64.40W–.03 8–9 4.4b 193 1-162
IDC IX 01 21 30 22.9–.69 19.57N 64.34W 0 4.3,4.1 **¶601670043**
ISCJB IX 01 21 30 24.8–.82 19.56N–.02 64.41W–.02 15–5 4.3b,4.1
NEIC IX 01 21 30 26.9–.00 19.64N 64.38W 12 4.4b,4.0
RSPR IX 01 21 30 26.9 19.64N 64.38W 12–3 4.0,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=12.7km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=173.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 02 02 41 06.9 19.55N 64.23W 60–13 3.6
NEIC IX 02 02 41 06.9–.00 19.55N 64.23W 60 3.6 **¶601674410**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 11 29 02.6 19.71N 64.22W 39–7 3.1
NEIC IX 02 11 29 02.6–.00 19.71N 64.22W 39 3.1 **¶601670451**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 12 48 37.8 19.76N 64.19W 44–19 3.6
NEIC IX 02 12 48 37.8–.00 19.76N 64.19W 44 3.6 **¶601674967**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 12 57 51.5 19.64N 64.19W 50–9 3.7
NEIC IX 02 12 57 51.5–.00 19.64N 64.19W 50 3.7 **¶601670455**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 14 36 06.6 19.67N 64.24W 35–18 4.0
NEIC IX 02 14 36 06.6–.00 19.67N 64.24W 35 4.0 **¶601670457**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 14 39 15.7 19.80N 64.21W 34–17 3.7
NEIC IX 02 14 39 15.7–.00 19.80N 64.21W 34 3.7 **¶601674974**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 14 45 01.9 19.61N 64.07W 70–6 3.6
NEIC IX 02 14 45 01.9–.00 19.61N 64.07W 70 3.6 **¶601674980**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 02 16 44 55.9 19.74N 64.27W 34–18 3.5
¶601674956
RSPR Event type ke.
RSPR IX 03 05 57 05.8 19.61N 64.36W 34–18 3.5
NEIC IX 03 05 57 05.8–.00 19.61N 64.36W 34 3.5 **¶601675117**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 03 17 41 26.5–.87 19.57N–.06 64.46W–.03 27 3.6b,3.0s 63 1-69
IDC IX 03 17 41 16.7–1.3 19.07N 63.71W 0 4.0,3.6 **¶601672873**
ISCJB IX 03 17 41 25.5–.62 19.62N–.04 64.39W–.04 27 3.6b,3.0s
RSPR IX 03 17 41 27.5 19.65N 64.35W 20–16 4.3,3.0s
NEIC IX 03 17 41 27.5–.00 19.65N 64.35W 20 4.3,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=27.1km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=33.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 03 19 52 14.1 19.72N 64.24W 49–13 3.5
NEIC IX 03 19 52 14.1–.00 19.72N 64.24W 49 3.5 **¶601676544**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 04 03 28 18.8 19.71N 64.12W 53–12 3.4
NEIC IX 04 03 28 18.8–.00 19.71N 64.12W 53 3.4 **¶601685347**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 04 11 15 57.5 19.62N 64.21W 63–2 3.5
NEIC IX 04 11 15 57.5–.00 19.62N 64.21W 63 3.6 **¶601685361**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 04 11 37 15.2–.68 19.49N–.05 64.39W–.04 27 3.8b 69 1-69
IDC IX 04 11 37 05.2–1.2 18.95N 63.65W 0 4.1,3.8 **¶601674433**
RSPR IX 04 11 37 11.6 19.75N 64.16W 57–16 4.0,3.8
NEIC IX 04 11 37 11.6–.00 19.75N 64.16W 57 4.0,3.8
ISCJB IX 04 11 37 13.4–.48 19.60N–.03 64.34W–.04 27 3.9b,3.4s
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISCJB Event type ke.
RSPR IX 04 23 39 02.6 19.58N 64.16W 58–7 3.6
NEIC IX 04 23 39 02.6–.00 19.58N 64.16W 58 3.6 **¶601687164**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 04 23 43 57.8 19.55N 64.07W 81–5 4.2
NEIC IX 04 23 43 57.8–.00 19.55N 64.07W 81 4.2 **¶601675136**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 05 00 24 46.6–1.2 19.47N–.03 64.32W–.02 7–7 4.5b,4.2s 747 1-124
ISCJB IX 05 00 24 45.8–.14 19.51N–.01 64.31W–.02 10 4.5b,4.1s **¶601675137**
IDC IX 05 00 24 46.1–.42 19.49N 64.32W 0 4.6,4.4
NEIC IX 05 00 24 48.6–.00 19.70N 64.26W 28 5.2,4.9W
RSPR IX 05 00 24 48.6 19.70N 64.26W 28–15 5.2,4.9W
GCMT IX 05 00 24 49.6–.20 19.68N–.01 64.30W–.01 12 4.9W,4.9W
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Canovanas, Loiza, San Antonio, San Juan and San Sebastian, Puerto Rico. After RSPR. Moment Tensor Solution. s25 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.98 $M_{r\theta}$1.68 $M_{\theta\phi}$2.74 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s260.00000°,δ85.00000°,λ-33.00000°. NP2:ϕ_s353.00000°,δ57.00000°,λ-174.00000°. Principal axes: T 3.5700,Plg19.0000°,Azm311.0000°; N -0.5100,Plg57.0000°,Azm73.0000°; P -3.0600,Plg26.0000°,Azm212.0000° M_o3.30000×10^{16}
RSPR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c28; s94,c145;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.08 $M_{\theta\theta}$-1.37±.07; $M_{\phi\phi}$1.19±.08; $M_{r\theta}$-1.01±.21; $M_{\theta\phi}$2.46±.06; $M_{\phi r}$0.56±.22; Best double couple: NP1:ϕ_s75.00000°,δ78.00000°,λ-14.00000°. NP2:ϕ_s168.00000°,δ76.00000°,λ-167.00000°. Principal axes: T 2.6840,Plg1.0000°,Azm121.0000°; N 0.5700,Plg71.0000°,Azm215.0000°; P -3.2530,Plg19.0000°,Azm31.0000° M_o2.96800×10^{16}
RSPR IX 05 00 29 07.5 19.64N 64.33W 41–8 3.5
NEIC IX 05 00 29 07.5–.00 19.64N 64.33W 41 3.5 **¶601687176**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 05 21 21 49.5–2.0 19.6N–.10 64.17W–.05 34 37 1-3
NEIC IX 05 21 21 50.8–.00 19.65N 64.16W 45 3.4 **¶601676707**
RSPR IX 05 21 21 50.8 19.65N 64.16W 45–8 3.4
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IX 06 03 41 39.5–1.8 19.59N–.09 64.24W–.05 34 57 1-5
ISCJB IX 06 03 41 38.3–.89 19.69N–.06 64.28W–.04 34 **¶601676725**
NEIC IX 06 03 41 38.9–.00 19.58N 64.16W 75 3.8
RSPR IX 06 03 41 38.9 19.58N 64.16W 75–2 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=6.1.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 06 04 13 14.8 19.54N 64.02W 76–2 3.6
NEIC IX 06 04 13 14.8–.00 19.54N 64.02W 76 3.6 **¶601676728**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 06 06 54 07.1 18.35N 64.65W 90–1 2.7
TRN IX 06 06 54 05.9 18.35N 64.66W 84 2.7 **¶601696921**
NEIC IX 06 06 54 07.1–.00 18.35N 64.65W 90 2.7
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 06 14 01 36.7–1.7 18.90N–.10 64.43W–.04 54–8 74 0-4
TRN IX 06 14 01 34.2 19.00N 64.61W 17 **¶601685418**
ISCJB IX 06 14 01 35.7–.92 19.10N–.08 64.52W–.03 34–17
NEIC IX 06 14 01 35.1–.00 18.92N 64.33W 66 3.6
RSPR IX 06 14 01 35.1 18.92N 64.33W 66–0 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.2km az=175.5.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IX 07 03 01 12.3–1.7 19.6N–.10 64.38W–.03 27 65 1-5
ISCJB IX 07 03 01 11.9–.91 19.56N–.06 64.42W–.03 27 **¶601687284**
NEIC IX 07 03 01 14.2–.00 19.57N 64.42W 20 3.6
RSPR IX 07 03 01 14.2 19.57N 64.42W 20–25 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.5km az=9.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 08 04 54 29.8 19.51N 64.26W 67–5 3.6
NEIC IX 08 04 54 29.8–.00 19.51N 64.26W 67 3.6 **¶601696927**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 10 05 08 59.5–3.1 19.6N–.10 64.2W–.10 34 63 1-5
NEIC IX 10 05 08 59.7–.00 19.68N 64.16W 34 3.5 **¶601698227**
RSPR IX 10 05 08 59.7 19.68N 64.16W 34–16 3.3
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 11 00 48 34.5 19.51N 64.15W 66–6 3.5
NEIC IX 11 00 48 34.5–.00 19.51N 64.15W 66 3.5 **¶601703098**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 12 04 02 56.4 19.65N 64.28W 39–7 3.6
NEIC IX 12 04 02 56.4–.00 19.65N 64.28W 39 3.6 **¶601707469**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 15 07 29 08.5 19.56N 64.29W 59–6
NEIC IX 15 07 29 08.5–.00 19.56N 64.29W 59 2.7 **¶601717671**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 15 07 30 08.1 19.74N 64.26W 14–9 3.4
NEIC IX 15 07 30 08.1–.00 19.74N 64.26W 14 3.4 **¶601717674**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 16 04 14 09.9 19.65N 64.37W 19–7 3.7
NEIC IX 16 04 14 09.9–.00 19.65N 64.37W 19 3.7 **¶601717945**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 16 12 04 24.4–.90 19.52N–.06 64.34W–.04 34 3.6b 83 1-63
IDC IX 16 12 04 19.8–1.1 19.55N 64.29W 0 3.9,3.6 **¶601717978**
ISCJB IX 16 12 04 21.6–.53 19.62N–.04 64.31W–.03 34 3.6b,3.1s
RSPR IX 16 12 04 21.8 19.52N 64.19W 81–3 4.0,3.1s
NEIC IX 16 12 04 21.8–.00 19.52N 64.19W 81 4.0,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=18.2km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=8.6.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 16 14 52 10.8–1.3 19.48N–.06 64.36W–.04 41–15 4.4b,3.6s 150 1-163
IDC IX 16 14 52 06.4–.56 19.46N 64.43W 0 4.2,4.1 **¶601717988**
ISCJB IX 16 14 52 09.0–.75 19.52N–.02 64.33W–.02 29–6 4.4b,3.6s
NEIC IX 16 14 52 08.2–.00 19.60N 64.20W 70 4.5b,4.3
RSPR IX 16 14 52 08.3 19.60N 64.20W 71–3 4.3,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=11.7km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=35.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 16 17 58 07.1 19.62N 64.33W 48–6 3.6
NEIC IX 16 17 58 07.1–.00 19.62N 64.33W 48 3.6 **¶601717993**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 20 07 15 02.9 19.43N 64.20W 88–2 3.4
NEIC IX 20 07 15 02.9–.00 19.43N 64.20W 88 3.4 **¶601731992**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 22 05 31 59.4–.52 19.51N–.04 64.43W–.03 27 4.0b,3.1s 137 1-69
IDC IX 22 05 31 56.0–.71 19.55N 64.32W 0 4.1,4.0 **¶601736497**
ISCJB IX 22 05 31 57.6–.36 19.53N–.03 64.38W–.02 27 4.0b,3.0s
NEIC IX 22 05 31 59.7–.00 19.55N 64.46W 6 4.0b,3.9
RSPR IX 22 05 31 59.7 19.55N 64.46W 6–6 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=14.2km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=16.7.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IX 23 05 34 44.2–.54 19.31N–.04 64.60W–.03 35–2 4.4b,3.5s 367 1-162
ISCJB IX 23 05 34 43.0–.62 19.27N–.02 64.57W–.02 33–5 4.4b,3.5s **¶601737036**
NEIC IX 23 05 34 43.2–.00 19.46N 64.60W 15 4.6b,4.4
RSPR IX 23 05 34 43.2 19.46N 64.60W 15–3 4.4,4.4
IDC IX 23 05 34 46.2–1.6 19.14N 64.66W 60–16 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=43.8.
NEIC Event type se. After RSPR.
RSPR Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=8.3km az=24.0.
ISC IX 23 19 18 16.8–2.0 19.14N–.08 64.76W–.09 42–59 78 1-12
RSPR IX 23 19 18 17.3 19.16N 64.75W 46–8 3.5 **¶601738393**

NEIC IX 23 19 18 17.3–.00 19.16N 64.75W 46 3.5
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 23 19 38 45.4 19.06N 64.64W 66–6 3.5
NEIC IX 23 19 38 45.4–.00 19.06N 64.64W 66 3.5 **¶601738400**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 23 19 44 45.0 19.28N 64.53W 61–4 3.7
NEIC IX 23 19 44 45.0–.00 19.28N 64.53W 61 3.7 **¶601738402**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 28 00 31 57.6–2.1 19.6N–.10 64.37W–.04 27 47 1-5
NEIC IX 28 00 31 57.9–.00 19.64N 64.37W 9 3.4 **¶601751842**
RSPR IX 28 00 31 57.9 19.64N 64.37W 9–6 3.4
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IX 28 13 37 18.7 19.37N 64.18W 91–5 3.7
NEIC IX 28 13 37 18.7–.00 19.37N 64.18W 91 3.7 **¶601757214**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 28 15 36 27.1–.35 19.61N–.04 64.50W–.03 27 4.5b,3.8s 221 1-162
IDC IX 28 15 36 23.8–.44 19.44N 64.45W 0 4.5,4.4 **¶601757220**
ISCJB IX 28 15 36 26.1–.17 19.54N–.02 64.44W–.02 27 4.5b,3.7s
NEIC IX 28 15 36 26.6–.00 19.63N 64.43W 10 4.6b,4.1
RSPR IX 28 15 36 26.9 19.63N 64.43W 10–4 4.1,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=10.8km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=148.1.
NEIC Event type fe. Felt at San Juan, Puerto Rico. After RSPR.
RSPR Event type ke.
ISC IX 28 18 50 28.5–1.2 19.94N–.07 64.41W–.04 37–2 4.4b 122 1-163
NEIC IX 28 18 50 27.4–.69 20.06N 64.35W 37–10 4.5b,4.0 **¶601766598**
IDC IX 28 18 50 30.0–.91 19.45N 64.39W 0 4.1,3.8
RSPR IX 28 18 50 36.9 19.50N 64.55W 26–11 4.0,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=52.0.
IDC Error ellipse: s-maj=23.2km s-min=18.1km az=48.0.
RSPR Event type ke.
RSPR IX 28 22 38 15.4 19.62N 64.41W 42–12 3.5
NEIC IX 28 22 38 15.4–.00 19.62N 64.41W 42 3.5 **¶601766609**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 29 19 31 16.6 19.59N 64.32W 60–14 3.6
NEIC IX 29 19 31 16.6–.00 19.59N 64.32W 59 3.6 **¶601767305**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 02 13 28 08.0 19.48N 64.16W 86–7 3.5
NEIC X 02 13 28 08.0–.00 19.48N 64.16W 86 3.5 **¶601777957**
RSPR Event type ke.
NEIC Event type fe. Felt [II] at Fajardo, Puerto Rico. After RSPR.
RSPR X 03 00 35 52.8 19.68N 64.34W 33–17 3.6
NEIC X 03 00 35 52.8–.00 19.68N 64.34W 34 3.7 **¶601778094**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 05 11 23 05.0–.89 19.47N–.06 64.50W–.04 34 3.7b 49 1-69
NEIC X 05 11 23 01.4–.00 19.47N 64.12W 86 4.2 **¶601789322**
RSPR X 05 11 23 01.4 19.47N 64.12W 86–7 4.2
ISCJB X 05 11 23 02.7–.67 19.60N–.04 64.35W–.04 34 3.6b,3.1s
IDC X 05 11 23 06.4–5.0 19.39N 64.44W 51–58 3.7,3.6
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.7km az=5.8.
IDC Error ellipse: s-maj=49.3km s-min=10.4km az=7.0.
RSPR X 05 17 11 53.5 19.23N 64.45W 24–20 2.9
NEIC X 05 17 11 53.5–.00 19.23N 64.45W 24 2.9 **¶601790336**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 05 17 12 44.3 19.05N 64.32W 63–1 3.0
NEIC X 05 17 12 44.3–.00 19.05N 64.32W 63 3.0 **¶601790339**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 07 02 48 34.8–.62 19.44N–.05 64.41W–.03 27 3.8b 85 1-162
IDC X 07 02 48 30.8–.77 19.50N 64.37W 0 4.1,3.9 **¶601794207**
ISCJB X 07 02 48 33.1–.45 19.56N–.04 64.35W–.03 27 3.8b,2.5s
NEIC X 07 02 48 34.1–.00 19.46N 64.26W 82 3.7,2.5s
RSPR X 07 02 48 34.1 19.46N 64.26W 82–5 3.7,2.5s
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=16.2km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=1.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR X 09 15 21 30.0 19.57N 64.43W 53–16 3.5
NEIC X 09 15 21 30.0–.00 19.57N 64.43W 53 3.5 **¶601810592**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 09 16 06 49.7 19.63N 64.32W 55–11 3.6
NEIC X 09 16 06 49.7–.00 19.63N 64.32W 55 3.7 **¶601810595**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 09 17 21 39.8 19.49N 64.38W 64–10 3.8
NEIC X 09 17 21 39.8–.00 19.49N 64.38W 64 3.8 **¶601810596**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 15 13 33 34.8 19.77N 64.27W 35–15 3.6
NEIC X 15 13 33 34.8–.00 19.77N 64.27W 36 3.6 **¶601834635**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 08 00 44 47.2–2.1 19.57N–.10 64.40W–.04 26–17 68 1-7
NEIC XI 08 00 44 48.2–.00 19.62N 64.38W 25 3.5 **¶601880076**
RSPR XI 08 00 44 48.2 19.62N 64.38W 25–16 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC XI 26 23 58 36.7–1.3 18.89N–.05 64.32W–.02 31–9 4.0b,3.1s 158 0-162
IDC XI 26 23 58 32.0–.76 18.90N 64.11W 0 4.2,4.0 **¶601994696**
ISCJB XI 26 23 58 37.3–.45 18.89N–.04 64.30W–.02 47–3 3.9b,3.0s
NEIC XI 26 23 58 38.0–.00 18.91N 64.25W 37 3.9,3.9b
RSPR XI 26 23 58 38.0 18.91N 64.25W 37–2 3.9,3.9b
TRN XI 26 23 58 38.0 18.75N 64.35W 30 3.9,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=16.9km s-min=15.4km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=2.4km az=14.6.
NEIC Event type fe. Felt [III] on Saint John and [II] on Saint Thomas. Also felt on Tortola. After RSPR.
RSPR Event type ke.

(92) Leeward Islands.

ISC VII 04 21 29 25.2–.28 18.15N–.03 62.99W–.03 89–2 5.0b 1543 0-164
TRN VII 04 21 29 23.6 18.32N 62.84W 82 4.6 **¶601241305**
BJI VII 04 21 29 24.7 18.10N 63.37W 96 5.2b
MOS VII 04 21 29 24.5–.88 18.16N 62.98W 95 5.1b
ISCJB VII 04 21 29 24.9–.18 18.13N–.02 62.99W–.01 99–2 5.0b
IDC VII 04 21 29 24.8–.38 18.11N 62.99W 84–3 5.1,4.9
NEIC VII 04 21 29 26.1–.15 18.12N 62.98W 94–1 5.0W,5.0b
GCMT VII 04 21 29 26.1–.20 18.32N 62.99W 81–2 4.9W,5.0b
ISC Event type fe.
TRN Event type fe. Felt in Antigua, St. Maarten, Anguilla,MMI III; St. Bartholomew III, St. Lucia II.
MOS Error ellipse: s-maj=5.4km s-min=4.1km az=105.9.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=27.3.
IDC Error ellipse: s-maj=7.9km s-min=5.8km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=212.0. Felt [V] at Lower Prince's Quarter and [IV] at Cole Bay, Duth Cul de Sac, Lowlands, Marigot, Philipsburg and Simpson Bay. Felt [IV] at Blowing Point, George Hill, Sandy Ground Village, Stoney Ground and The Valley and [III] at East End Village, Anguilla. Felt [IV] on Saint Barthelemy. Felt [IV] at Basseterre and [III] at Monkey Hill, Saint Kitts and [III] at Gingerland, Nevis. Also felt at Vieques, Puerto Rico and on Antigua, Guadeloupe, Saba, Saint Croix, Saint Eustatius, Saint John and Saint Thomas. Moment Tensor Solution. s19 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01 $M_{\theta\theta}$3.14 $M_{\phi\phi}$-0.13 $M_{r\theta}$-1.33 $M_{\theta\phi}$-0.60 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s99.00000° ,δ57.00000°,λ-91.00000°. NP2:ϕ_s281.00000°,δ33.00000°,λ-88.00000°. Principal axes: T 3.5200,Plg12.0000°,Azm190.0000°; N -0.2300,Plg1.0000°,Azm100.0000° ; P -3.2800,Plg78.0000°,Azm5.0000° M_o3.40000×10^{16}
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s45,c55; s82,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.24±.11 $M_{\theta\theta}$2.19±.12; $M_{\phi\phi}$0.05±.12; $M_{r\theta}$-1.59±.07; $M_{\theta\phi}$-0.06±.13; $M_{\phi r}$1.22±.07; Best double couple: NP1:ϕ_s113.00000°,δ66.00000° ,λ-73.00000°. NP2:ϕ_s256.00000°,δ29.00000°,λ-124.00000°. Principal axes: T 2.7750,Plg20.0000°,Azm190.0000°; N 0.3890,Plg16.0000°,Azm286.0000° ; P -3.1630,Plg65.0000°,Azm52.0000° M_o2.96900×10^{16}
ISC VII 07 08 59 13.6–.66 16.09N–.04 61.87W–.06 170–5 3.6b 78 0-73
ISCJB VII 07 08 59 12.8–.30 16.11N–.03 61.86W–.06 173–2 3.6b **¶601663584**
TRN VII 07 08 59 13.0 16.16N 61.77W 169 3.5
IDC VII 07 08 59 13.4–.60 15.97N 62.01W 166–7 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=3.5km az=152.7.
IDC Error ellipse: s-maj=18.6km s-min=9.0km az=45.0.
TRN VII 13 08 08 58.3 18.84N 60.52W 50 4.3
NEIC VII 13 08 08 58.6–.00 18.84N 60.53W 49 4.3,4.1b **¶601484382**
NEIC Event type se. After TRN.
ISC VII 15 14 12 45.6–.73 16.58N–.04 61.74W–.06 112–5 3.8b 69 0-115
ISCJB VII 15 14 12 45.1–.38 16.58N–.04 61.75W–.06 117–3 3.7b **¶601664632**
TRN VII 15 14 12 45.6 16.56N 61.75W 103 3.6
IDC VII 15 14 12 45.4–.53 16.58N 61.70W 112–6 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=3.5km az=151.1.
IDC Error ellipse: s-maj=17.3km s-min=9.7km az=56.0.
TRN VII 31 04 18 02.9 15.00N 59.71W 2 3.5
¶603306378
TRN VII 31 23 51 20.1 16.21N 61.04W 35 3.5
¶603306387
TRN VIII 04 01 31 33.1 15.49N 59.24W 28 3.7
¶603369967
TRN VIII 05 07 40 46.4 17.34N 61.59W 29 3.5
¶603369970
TRN VIII 07 21 58 08.5 17.90N 62.61W 53 3.6
¶603369986
TRN VIII 09 05 29 48.5 16.24N 61.03W 37 3.5
¶603369991
TRN VIII 11 02 05 34.6 15.19N 60.62W 58 3.9
¶603369996
TRN Event type fe. Felt in Dominica, MMI II.
TRN VIII 12 23 50 04.2 16.76N 61.23W 28 3.5
¶603370005
ISC VIII 13 11 51 30.3–.78 15.39N–.03 61.27W–.07 138–5 3.9b 61 0-74
ISCJB VIII 13 11 51 29.6–.37 15.39N–.03 61.25W–.07 141–3 3.7b **¶601765803**
TRN VIII 13 11 51 29.9 15.40N 61.26W 134 3.6
IDC VIII 13 11 51 30.4–3.4 15.36N 61.29W 141–39 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=3.2km az=162.3.
IDC Error ellipse: s-maj=57.8km s-min=21.0km az=40.0.
TRN VIII 13 18 35 04.0 15.27N 61.22W 147 3.5
¶603370009
TRN VIII 20 08 24 48.2 18.19N 62.85W 45 3.7
¶603370043
TRN VIII 24 08 22 48.4 16.74N 61.91W 20 3.5
¶603370059
ISC VIII 29 04 18 50.6–2.8 18.7N–.10 61.7W–.10 10 22 1-4
TRN VIII 29 04 18 49.2 18.76N 61.64W 55 **¶601650892**
NEIC VIII 29 04 19 26.2–.00 18.85N 63.61W 54 2.5
RSPR VIII 29 04 19 26.2 18.85N 63.61W 54–4 2.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 30 12 50 12.3–.84 16.91N–.04 61.76W–.06 106–5 3.7b 80 0-74
ISCJB VIII 30 12 50 11.6–.41 16.88N–.03 61.79W–.05 110–3 3.6b **¶601755616**
TRN VIII 30 12 50 11.5 16.90N 61.76W 99 3.8
IDC VIII 30 12 50 12.0–.64 16.84N 61.85W 97–8 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=2.8km az=146.3.
IDC Error ellipse: s-maj=17.5km s-min=10.2km az=41.0.
RSPR VIII 31 14 59 44.7 19.54N 63.96W 78–8 3.7
NEIC VIII 31 14 59 44.7–.00 19.54N 63.96W 78 3.7 **¶601673004**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 06 07 46 39.5 19.53N 63.97W 37–17
NEIC IX 06 07 46 39.5–.00 19.53N 63.97W 37 3.3 **¶601695728**
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN IX 12 05 27 12.1 17.64N 61.64W 25 2.7
¶603673930
ISC IX 14 12 41 32.4–.76 16.14N–.05 61.83W–.07 179–5 3.4b 66 0-73
ISCJB IX 14 12 41 31.7–.39 16.14N–.03 61.82W–.07 181–3 3.5b **¶601863524**
TRN IX 14 12 41 32.0 16.16N 61.78W 176 3.7
IDC IX 14 12 41 32.0–.56 16.13N 61.88W 170–6 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.1km az=159.5.
IDC Error ellipse: s-maj=18.3km s-min=10.1km az=59.0.
TRN IX 18 10 03 12.6 17.85N 62.98W 86 3.5
¶603676930
RSPR IX 19 05 44 25.1 19.56N 63.51W 38–11 3.5
NEIC IX 19 05 44 25.1–.00 19.56N 63.51W 38 3.5 **¶601725139**
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN IX 23 10 54 05.5 17.43N 62.33W 83 3.6
¶603679710
TRN IX 24 21 56 09.8 16.87N 62.23W 17 3.7
NEIC IX 24 21 56 09.8–.00 16.87N 62.23W 17 3.7 **¶602342549**
TRN Felt MMI II, III in Montserrat.
NEIC Event type fe. Felt at Bransby Point. After TRN.
TRN IX 26 15 14 37.4 16.68N 61.23W 26 3.7
¶603681035
ISC IX 30 04 36 39.8–.90 17.88N–.08 63.32W–.06 122–6 3.2b 40 0-71
TRN IX 30 04 36 37.6 18.02N 63.26W 121 3.7 **¶601857517**
ISCJB IX 30 04 36 38.7–.52 17.86N–.07 63.33W–.06 125–4 3.2b
IDC IX 30 04 36 38.5–1.9 17.95N 63.22W 101–26 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.8km az=37.5.
IDC Error ellipse: s-maj=39.1km s-min=14.5km az=26.0.
TRN X 08 00 39 03.5 17.06N 61.77W 74 3.5
¶603775761
TRN X 09 04 21 55.2 16.19N 60.67W 22 3.5
¶603775783
TRN X 11 15 35 09.2 16.95N 60.05W 28 3.7
¶603775829
ISC X 16 19 03 23.1–.57 16.12N–.03 61.95W–.05 177–5 3.5b 164 0-164
TRN X 16 19 03 21.9 16.18N 61.85W 179 3.8 **¶601837562**
IDC X 16 19 03 21.1–2.0 15.99N 61.95W 154–18 3.9,3.7
ISCJB X 16 19 03 22.2–.25 16.08N–.02 62.00W–.04 178–2 3.6b,3.7
NEIC X 16 19 03 22.0–.00 16.18N 61.84W 178 4.2b,3.8
ISC Event type se.

IDC Error ellipse: s-maj=16.8km s-min=13.8km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=2.5km az=148.7.
NEIC Event type se. After TRN.
TRN X 21 02 01 21.5 17.49N 61.94W 30 3.8
¶603775988

TRN X 21 07 04 54.5 17.90N 61.12W 22 3.9
¶603775989

TRN X 29 19 56 23.2 16.74N 59.74W 29 3.6
¶603776322

TRN X 31 16 43 54.8 17.49N 61.25W 15 3.5
¶603776625

TRN X 31 23 08 14.3 15.54N 60.86W 58 3.6
¶603776626

TRN XI 04 09 51 50.0 17.39N 61.16W 2 3.5
¶603840518

TRN XI 10 04 53 39.1 16.25N 61.11W 18 3.8
¶603840564

TRN XI 16 04 51 50.6 17.31N 62.24W 3 3.5
¶603840627

ISC XI 23 19 54 12.7–.59 15.29N–.03 61.06W–.05 133–4 4.4b 233 0-76
ISCJB XI 23 19 54 11.8–.21 15.28N–.02 61.05W–.04 139–1 4.3b **¶601993988**
TRN XI 23 19 54 12.8 15.28N 61.01W 124 4.0
IDC XI 23 19 54 12.3–.44 15.25N 61.06W 131–3 4.1,3.9
NEIC XI 23 19 54 13.2–.00 15.25N 61.11W 125 4.5b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.4km az=154.4.
IDC Error ellipse: s-maj=15.7km s-min=6.8km az=77.0.
NEIC Event type fe. Felt at Le Lamentin, Martinique. After TRN.
TRN XI 26 04 31 33.6 16.79N 60.75W 19 3.7
¶603840796

TRN XI 26 04 39 03.8 16.78N 60.64W 28 3.6
¶603840797

TRN XI 27 16 06 35.6 15.02N 59.62W 63 3.7
¶603840806

ISC XI 30 00 34 56.6–1.4 18.68N–.06 63.26W–.04 31–10 3.9b 89 1-163
IDC XI 30 00 34 52.3–.66 18.76N 63.28W 0 4.1,3.9 **¶602056182**
NEIC XI 30 00 34 57.9–1.1 18.64N 63.24W 44–11 4.1b,3.9
TRN XI 30 00 34 57.6 18.51N 63.26W 25 4.3,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=208.0.
ISC XII 08 05 46 11.5–2.5 19.4N–.10 63.71W–.05 35 43 1-5
NEIC XII 08 05 46 14.8–.00 19.44N 63.89W 25 3.4 **¶602030345**
RSPR XII 08 05 46 14.8 19.44N 63.89W 25–17 3.4
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
IDC XII 11 18 26 07.7–395 18.69N 60.26W 0
¶602391113

IDC Error ellipse: s-maj=192.7km s-min=139.3km az=94.0.
TRN XII 13 01 56 56.6 15.15N 61.21W 152 3.6
¶603979607

TRN XII 13 16 00 34.6 17.59N 63.11W 154 3.5
¶603979610

ISC XII 15 11 02 10.0–2.3 19.56N–.05 62.93W–.04 12–14 4.1b,3.2s 120 2-83
IDC XII 15 11 02 08.1–.71 19.59N 62.77W 0 4.1,3.9 **¶602043720**
TRN XII 15 11 02 10.4 19.60N 62.72W 29 4.1,3.9
NEIC XII 15 11 02 10.6–3.2 19.54N 62.90W 13–21 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=15.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=212.0.
TRN XII 17 06 50 14.3 15.13N 60.63W 27 3.7
¶603979633

TRN XII 17 09 43 02.4 16.72N 61.78W 96 3.6
¶603979634

TRN XII 22 16 10 09.1 15.26N 61.53W 180 3.9
¶603979653

(94) Caribbean Sea.

ISC VIII 21 16 40 53.7–.49 11.84N–.04 66.47W–.04 54–4 4.7b,3.4s 529 2-167
ISCJB VIII 21 16 40 51.2–.32 11.80N–.02 66.42W–.02 45–3 4.7b,3.4s **¶601606012**
NEIC VIII 21 16 40 54.7–.18 11.81N 66.43W 62 4.7b,4.5W
BJI VIII 21 16 40 54.1 11.80N 66.40W 51 4.7b,4.5W
TRN VIII 21 16 40 55.4 12.16N 66.19W 3 4.8,4.5W
IDC VIII 21 16 40 55.2–.47 11.75N 66.48W 64–4 4.4,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=154.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=83.0. Felt [III] at Caracas and Chacao. Also felt at Baruta, Caraballeda, Catia La Mar, El Hatillo, La Dolorita, La Guaira, Maiquetia and San Antonio de los Altos.
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=48.0.

(95) Windward Islands.

TRN VII 05 04 10 00.5 14.88N 60.20W 30 3.5
¶603306256

TRN VII 09 20 06 54.7 11.65N 61.47W 23 3.6
¶603306281

TRN VII 10 01 38 57.7 11.15N 61.77W 77 3.8
¶603306283

TRN VII 11 06 08 46.2 13.03N 61.26W 129 3.7
¶603306284

TRN VII 16 21 09 10.8 14.96N 61.41W 198 3.6
¶603306303

TRN VII 19 03 00 24.1 13.90N 60.27W 27 3.7
¶603306316

TRN VII 21 04 07 24.5 11.22N 62.06W 134 3.5
¶603306334

TRN VII 22 01 33 02.2 14.77N 61.08W 153 3.5
¶603306337

TRN VII 24 02 54 53.8 14.98N 61.18W 178 3.6
¶603306344

ISC VII 31 05 55 23.9–1.1 13.99N–.02 60.32W–.03 19–3 3.7b 123 1-76
IDC VII 31 05 55 18.1–2.0 13.89N 59.92W 0 4.4L,4.0 **¶601650806**
NEIC VII 31 05 55 23.8–.00 13.94N 60.34W 16 4.0,4.0
TRN VII 31 05 55 24.0 13.96N 60.34W 20 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=28.3km az=87.0.
NEIC Event type se. After TRN.
TRN VII 31 19 23 33.0 12.15N 59.63W 173 3.7
¶603306382

TRN VIII 01 15 57 18.9 14.11N 60.95W 144 3.7
¶603369957

ISC VIII 12 22 49 48.5–.97 11.28N–.05 62.13W–.06 138–8 3.2b 44 1-79
ISCJB VIII 12 22 49 48.1–.56 11.29N–.04 62.10W–.05 139–5 3.2b **¶601765789**
TRN VIII 12 22 49 49.1 11.25N 62.08W 139 3.7
IDC VIII 12 22 49 50.5–1.7 11.57N 62.44W 141–10 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.7km az=24.5.
IDC Error ellipse: s-maj=49.2km s-min=8.9km az=134.0.
TRN VIII 19 10 34 26.5 14.60N 61.17W 147 3.6
¶603370038

ISC VIII 28 23 27 55.3–.51 13.23N–.02 60.78W–.03 20–3 3.6b 148 0-164
IDC VIII 28 23 27 52.3–.77 13.24N 60.90W 0 4.3L,3.9 **¶601643056**
NEIC VIII 28 23 27 54.4–.00 13.18N 60.74W 13 4.3,4.0b
TRN VIII 28 23 27 54.1 13.19N 60.74W 12 4.2,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=22.7km s-min=15.5km az=80.0.
NEIC Event type fe. Felt on Saint Vincent. After TRN.
TRN Event type fe. Felt in St. Lucia, St. Vincent, Grenada,MMI II, III.
TRN IX 22 21 10 21.7 13.83N 60.46W 31 3.6
¶603679222

TRN IX 23 07 32 37.0 14.46N 60.43W 50 3.6
¶603679709

ISC IX 26 18 15 23.3–.56 14.82N–.03 61.36W–.05 166–4 3.9b 158 0-164
ISCJB IX 26 18 15 22.5–.21 14.83N–.02 61.35W–.04 169–2 3.9b **¶601741079**
TRN IX 26 18 15 22.1 14.86N 61.23W 171 4.3
NEIC IX 26 18 15 22.2–.00 14.85N 61.24W 170 4.3
IDC IX 26 18 15 22.7–.72 14.69N 61.51W 163–6 4.1,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=2.6km az=161.9.
NEIC Event type se. After TRN.
IDC Error ellipse: s-maj=13.6km s-min=10.2km az=16.0.
TRN IX 29 12 21 45.8 13.91N 59.34W 3 3.5
¶603682239

TRN X 09 01 51 11.2 12.35N 60.23W 1 3.8
¶603775781

TRN X 10 01 43 53.1 12.43N 59.66W 11 3.6
¶603775804

TRN X 21 01 33 50.8 14.87N 61.17W 173 3.5
¶603775987

TRN X 29 07 45 56.4 11.24N 61.71W 5 3.5
¶603776317

TRN X 30 13 17 39.0 11.40N 61.96W 144 3.8
¶603776458

TRN XI 11 01 41 08.4 11.46N 61.65W 81 3.8
¶603840571

TRN XI 12 09 30 43.8 11.72N 62.11W 137 3.5
¶603840590

ISC XI 14 08 00 53.7–.74 11.47N–.03 61.45W–.06 87–8 3.7b 91 1-145
ISCJB XI 14 08 00 52.9–.31 11.47N–.02 61.47W–.05 96–5 3.7b **¶602389381**
TRN XI 14 08 00 54.6 11.46N 61.41W 83 3.9
IDC XI 14 08 00 59.4–4.7 11.84N 61.56W 124–35 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.1km az=10.0.
IDC Error ellipse: s-maj=44.3km s-min=26.7km az=24.0.
TRN XI 16 18 29 45.9 14.84N 60.60W 60 3.5
¶603840630

TRN XI 27 20 48 00.8 14.16N 61.14W 24 3.8
¶603840809

TRN XII 01 03 23 25.2 13.90N 60.49W 18 3.5
¶603979536

TRN XII 01 04 23 58.8 14.00N 60.56W 19 3.9
¶603979539

ISC XII 04 07 59 34.0–.86 12.98N–.03 60.79W–.04 83–6 3.9b 65 0-62
IDC XII 04 07 59 30.7–1.5 12.88N 60.41W 80–12 3.9,3.8 **¶602390442**
ISCJB XII 04 07 59 33.7–.37 12.99N–.02 60.81W–.04 90–3 3.8b,3.8
TRN XII 04 07 59 34.1 12.97N 60.77W 70 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=11.3km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=1.5.
TRN XII 14 11 38 12.1 11.41N 61.81W 59 3.5
¶603979614

ISC XII 27 23 34 42.0–.68 14.19N–.02 60.50W–.04 75–5 3.8b 179 0-76
IDC XII 27 23 34 40.2–1.1 14.10N 60.33W 62–11 3.9,3.8 **¶602213317**
ISCJB XII 27 23 34 41.6–.31 14.20N–.01 60.50W–.04 82–3 3.7b,3.8
TRN XII 27 23 34 41.6 14.19N 60.51W 69 3.9,3.8
NEIC XII 27 23 34 42.0–.00 14.20N 60.52W 67 3.9,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=14.4km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.2km az=169.8.
TRN Event type fe. Felt MMI II, II in Saint Lucia.
NEIC Event type fe. Felt on Saint Lucia and Saint Vincent. After TRN.
TRN XII 31 09 41 04.7 13.92N 60.33W 59 2.8
¶603979695

(96) Near north coast of Colombia.

ISC IX 12 05 23 16.0–.38 9.25N–.04 77.78W–.04 35 4.3b 395 1-152
IDC IX 12 05 23 10.9–.54 9.28N 77.89W 0 4.3,4.2 **¶601710353**
ISCJB IX 12 05 23 15.1–.16 9.31N–.02 77.79W–.02 33 4.3b,4.2
RSNC IX 12 05 23 16.0–.92 9.30N 77.81W 22–5 4.3W,4.1L
NEIC IX 12 05 23 16.9–.41 9.25N 77.77W 39–4 4.5b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=13.0km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=147.7.
RSNC Error ellipse: s-maj=5.1km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=207.0.
RSNC IX 14 01 05 56.1–.61 10.49N 74.14W 16–5 3.6W,3.2L
¶604713156

RSNC Error ellipse: s-maj=3.8km s-min=4.9km az=-1.0.
RSNC IX 29 16 57 23.4–.85 9.07N 77.93W 63–10 3.9L,3.8W
¶604714250

RSNC Error ellipse: s-maj=5.9km s-min=2.0km az=-1.0.
ISC X 20 03 42 02.2–.88 10.99N–.04 74.23W–.04 24–6 4.3b,3.3s 275 0-151
IDC X 20 03 41 58.6–.47 10.92N 74.25W 0 4.3,4.2 **¶601866975**
ISCJB X 20 03 42 01.3–.56 10.96N–.02 74.20W–.03 23–4 4.3b,3.3s
RSNC X 20 03 42 01.5–.42 11.22N 74.08W 28–4 4.0W,3.9L
NEIC X 20 03 42 02.6–1.5 10.94N 74.16W 24–11 4.4b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=16.6km s-min=11.3km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=161.1.
RSNC Error ellipse: s-maj=8.0km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.7km az=47.0. Felt at San Pedro.
RSNC XI 05 21 36 51.3–.89 8.33N 76.56W 32–18 3.5W,3.5L
¶604715416

RSNC Error ellipse: s-maj=4.8km s-min=6.1km az=-1.0.

(97) Near coast of Venezuela.

TRN VII 09 15 13 38.1 10.79N 62.17W 72 3.5
¶603306279

TRN VII 17 02 23 33.0 10.36N 62.15W 9 3.5
¶603306304

TRN VIII 29 08 38 46.6 10.55N 62.13W 6 3.5
¶603370082

ISC IX 02 23 12 29.8–.76 10.70N–.04 62.54W–.05 102–8 3.4b 79 1-80
ISCJB IX 02 23 12 29.9–.46 10.77N–.03 62.49W–.04 111–5 3.6b **¶601734431**
NEIC IX 02 23 12 30.7–.00 10.67N 62.54W 99 4.0
IDC IX 02 23 12 30.6–1.3 10.82N 62.54W 103–10 3.7,3.7
TRN IX 02 23 12 31.2 10.72N 62.56W 85 4.0,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=17.6.
NEIC Event type se. After TRN.
IDC Error ellipse: s-maj=21.0km s-min=9.0km az=141.0.
TRN IX 08 23 56 28.4 10.79N 62.32W 63 3.7
¶603671557

ISC IX 10 23 33 54.9–.94 10.84N–.04 62.26W–.08 100–8 3.7b 88 1-80
IDC IX 10 23 33 39.6–1.9 10.10N 62.50W 0 4.0,3.7 **¶601832081**
ISCJB IX 10 23 33 54.8–.65 10.89N–.03 62.20W–.08 111–6 3.6b,3.7
TRN IX 10 23 33 55.7 10.82N 62.25W 91 4.1,3.7
NEIC IX 10 23 33 56.1–.00 10.83N 62.17W 90 4.0,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=28.0km az=4.0.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=5.2km az=173.9.
TRN Felt in parts of North-West Trinidad,MMI III.
NEIC Event type se. After CAR.
ISC IX 13 00 22 28.1–1.3 10.33N–.04 62.41W–.03 16–8 4.6b,3.7s 618 1-161
ISCJB IX 13 00 22 26.0–.21 10.33N–.02 62.46W–.02 10 4.5b,3.7s **¶606542223**
TRN IX 13 00 22 26.9 10.21N 62.35W 12 4.7,3.7s
NEIC IX 13 00 22 28.8–.00 10.28N 62.21W 8 4.8W,4.7
IDC IX 13 00 22 32.6–1.6 10.49N 62.47W 48–15 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=39.0.
TRN Felt in parts of Trinidad, MMI II.

NEIC Event type fe. Felt at Chaguanas, Mucurapo and Saint James, Trinidad. After CAR.
IDC Error ellipse: s-maj=12.1km s-min=10.5km az=98.0.
ISC X 07 21 30 32.4–1.1 10.88N–.06 62.6W–.10 119–12 3.4b 39 1-78
IDC X 07 21 30 14.5–10 10.61N 62.07W 0 3.9,3.6 **¶601997421**
ISCJB X 07 21 30 32.4–.74 10.91N–.04 62.5W–.10 127–9 3.5b,3.6
TRN X 07 21 30 33.6 10.87N 62.54W 112 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=236.9km s-min=107.0km az=167.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=6.5km az=176.2.
ISC X 12 12 16 20.0–.47 10.54N–.03 62.86W–.03 17–2 4.8b,4.0s 883 1-149
TRN X 12 12 16 16.9 10.48N 62.93W 3 4.5,4.0s **¶601829121**
IDC X 12 12 16 17.2–.45 10.71N 62.84W 0 4.7,4.6
NEIC X 12 12 16 18.8–.19 10.51N 62.81W 10 4.9b,4.8W
ISCJB X 12 12 16 18.8–.62 10.51N–.02 62.83W–.02 20–4 4.8b,4.0s
GCMT X 12 12 16 21.8–.30 10.55N–.02 62.73W–.02 15–2 4.8W,4.0s
BJI X 12 12 16 23.0 10.50N 62.80W 33 5.3b,5.0s
ISC Event type fe.
TRN Event type fe. Felt in North-West Trinidad, MMI II.
IDC Error ellipse: s-maj=13.3km s-min=12.0km az=131.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.5km az=202.0. Felt at Penal, Port of Spain and Westmoorings, Trinidad.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=141.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s84,c113;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.12 $M_{\theta\theta}$0.15±.08; $M_{\phi\phi}$0.63±.10; $M_{r\theta}$0.11±.18; $M_{\theta\phi}$-2.01±.09; $M_{\phi r}$-0.91±.22; Best double couple: NP1:ϕ_s359.00000°,δ80.00000°,λ-30.00000°. NP2:ϕ_s95.00000°,δ61.00000°,λ-168.00000°. Principal axes: T 2.5910,Plg13.0000° ,Azm50.0000°; N -0.6830,Plg59.0000°,Azm162.0000°; P -1.9080,Plg28.0000° ,Azm313.0000° $M_0$2.24900×10^{16}
TRN XI 03 03 56 38.5 10.26N 63.30W 93 3.5
¶602031602
ISC XI 07 18 31 17.2–.40 11.11N–.05 69.91W–.06 12 4.3b 74 2-155
IDC XI 07 18 31 14.9–.50 11.14N 69.91W 0 5.4,5.3s **¶601880065**
ISCJB XI 07 18 31 15.3–.27 11.17N–.03 69.87W–.03 12 5.3s,4.2b
NEIC XI 07 18 31 17.1–.00 11.27N 70.02W 5 4.7,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=12.2km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=44.2.
NEIC Event type se. After CAR.
TRN XI 11 04 43 31.6 10.29N 62.46W 3 3.7
¶603840575
TRN XI 17 00 34 49.1 10.52N 62.19W 3 3.6
¶603840631
ISC XI 17 03 51 14.2–1.4 10.06N–.04 63.04W–.04 15–9 3.7b 136 1-78
TRN XI 17 03 51 11.6 9.86N 63.37W 114 4.1 **¶601992372**
IDC XI 17 03 51 12.2–.76 10.02N 62.92W 0 4.1,3.9
NEIC XI 17 03 51 14.4–.00 10.08N 63.01W 8 4.1,4.1W
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.6km az=11.0.
NEIC Event type se. After CAR.
TRN XI 17 05 44 38.8 10.66N 63.41W 120 3.6
¶603840634
TRN XI 23 20 23 10.5 10.68N 62.99W 3 3.7
¶603840778
TRN XII 16 11 11 05.4 10.39N 62.18W 10 3.9
¶603979630
TRN XII 19 19 28 51.7 10.69N 62.34W 58 3.5
NEIC XII 19 19 28 51.9–.00 10.69N 62.31W 71 4.0 **¶602374067**
NEIC Event type se. After TRN.

(98) Trinidad.

TRN VII 17 18 35 23.2 10.83N 61.05W 60 3.7
¶603306308
TRN Event type fe. Felt Trinidad, MMI II.
TRN VII 18 07 03 54.9 10.76N 61.79W 47 3.5
¶603306312
TRN VIII 15 02 48 32.1 10.97N 61.86W 21 3.7
¶603370016
TRN Event type fe. Felt in Trindiad, MMI II.
ISC VIII 21 10 45 30.6–.99 10.66N–.04 60.45W–.07 65–8 4.1b 107 1-163
IDC VIII 21 10 45 22.2–.79 10.62N 60.33W 0 4.3,4.1 **¶601766248**
ISCJB VIII 21 10 45 29.0–.65 10.68N–.03 60.41W–.06 70–5 4.0b,4.1
NEIC VIII 21 10 45 29.4–.00 10.61N 60.40W 67 4.1,4.1
TRN VIII 21 10 45 29.3 10.62N 60.39W 69 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=14.7km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.0km az=17.3.
NEIC Event type se. After TRN.
TRN VIII 26 04 29 58.9 10.76N 61.12W 23 3.5
¶603370070
TRN VIII 27 04 32 51.1 10.44N 60.38W 113 3.5
¶603370074
TRN X 08 23 02 19.1 10.90N 61.85W 45 3.8
NEIC X 08 23 02 19.5–.00 10.90N 61.84W 41 3.7W,3.6 **¶601997577**
TRN Event type fe. Felt MMI II North-West Trinidad.
NEIC Event type fe. Felt at Diego Martin, Trinidad. After TRN.
ISC XI 12 12 08 11.6–.65 10.64N–.04 61.96W–.04 64–7 4.4b 185 1-145
ISCJB XI 12 12 08 10.8–.25 10.63N–.02 61.93W–.03 73–3 4.2b **¶601890910**
CAR XI 12 12 08 11.0–.00 10.77N 61.65W 33 4.2b
NEIC XI 12 12 08 12.2–.30 10.59N 61.91W 71–3 4.5b,4.2W
TRN XI 12 12 08 12.6 10.64N 61.88W 59 4.1,4.2W
IDC XI 12 12 08 13.7–1.6 10.77N 61.99W 77–15 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=29.9.
CAR Event type se.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=4.0km az=201.0. Felt [III] at Carenage, Chaguanas, Port of Spain, Toco and Woodbrook, Trinidad. Also felt at Couva, Mucurapo, Saint Joseph, San Fernando, San Juan and Tunapuna.
TRN Event type fe. Felt in Trinidad MMI II, III.
IDC Error ellipse: s-maj=14.9km s-min=12.8km az=143.0.

(99) Northern Colombia.

RSNC VII 01 10 50 41.4–.76 6.56N 73.54W 113–4 3.5W,2.3L
¶604709756
RSNC Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0.
ISC VII 01 12 09 00.8–.89 6.84N–.03 73.13W–.04 157–6 3.2b 47 0-63
ISCJB VII 01 12 09 00.6–.50 6.84N–.03 73.14W–.03 156–4 3.2b **¶601663360**
IDC VII 01 12 09 00.4–2.1 6.66N 72.82W 175–28 3.5,3.4
RSNC VII 01 12 09 02.4–.86 6.81N 73.15W 148–4 3.8W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=19.6.
IDC Error ellipse: s-maj=92.9km s-min=8.2km az=134.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.8km az=-1.0.
RSNC VII 03 05 53 52.5–.84 6.01N 73.72W 108–5 2.5L
¶604709829
RSNC Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
ISC VII 03 17 01 05.8–.89 7.69N–.04 73.41W–.04 117–7 36 1-150
ISCJB VII 03 17 01 05.6–.56 7.65N–.04 73.45W–.04 121–5 3.5b **¶601663441**
IDC VII 03 17 01 07.7–1.6 7.67N 73.31W 138–18 3.6,3.4
RSNC VII 03 17 01 07.4–.81 7.62N 73.44W 110–5 3.7W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.1km az=163.8.
IDC Error ellipse: s-maj=41.3km s-min=16.4km az=121.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
RSNC VII 05 08 32 30.4–.81 6.90N 73.29W 124–13 1.1L
¶604709909
RSNC Error ellipse: s-maj=6.3km s-min=8.4km az=-1.0.
RSNC VII 05 20 26 43.0–.82 6.82N 73.17W 144–5 4.0W,3.1L
¶604709925
RSNC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
ISC VII 07 13 06 20.8–.81 6.60N–.04 73.50W–.04 121–6 39 0-150
ISCJB VII 07 13 06 20.7–.49 6.59N–.03 73.53W–.03 122–4 3.9b **¶601663591**
IDC VII 07 13 06 21.7–.82 6.50N 73.38W 131–11 4.2,3.9
RSNC VII 07 13 06 23.0–1.1 6.54N 73.55W 105–5 3.8W,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=43.1.
IDC Error ellipse: s-maj=44.0km s-min=7.7km az=131.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0.
ISC VII 08 06 08 04.3–1.2 6.83N–.04 73.13W–.06 153–8 27 0-150
IDC VII 08 06 08 03.6–6.5 6.19N 72.33W 158–45 3.4,3.0b **¶601664277**
ISCJB VII 08 06 08 05.4–1.0 6.83N–.04 73.17W–.05 145–8 3.1b,3.0b
RSNC VII 08 06 08 06.5–.78 6.80N 73.17W 140–5 2.9L,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=317.8km s-min=31.6km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.4km az=3.1.
RSNC Error ellipse: s-maj=2.6km s-min=3.7km az=-1.0.
ISC VII 08 11 15 00.9–.66 6.84N–.04 73.08W–.04 157–5 3.6b 52 0-154
ISCJB VII 08 11 15 00.4–.36 6.83N–.03 73.11W–.04 162–3 3.6b **¶601664286**
IDC VII 08 11 15 01.9–1.3 6.76N 72.92W 171–12 4.0,3.7
RSNC VII 08 11 15 02.4–.78 6.80N 73.15W 153–4 4.3W,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=30.3.
IDC Error ellipse: s-maj=18.9km s-min=15.9km az=170.0.
RSNC Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0.
RSNC VII 08 22 21 01.9–.93 6.81N 73.15W 149–4 3.7W,3.0L
¶604710040
RSNC Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0.
ISC VII 09 09 50 36.1–1.1 7.33N–.02 73.05W–.03 16–7 4.2b,3.1s 102 0-153
IDC VII 09 09 50 33.3–.59 7.29N 73.17W 0 4.4L,4.1 **¶601246611**
ISCJB VII 09 09 50 36.8–.50 7.38N–.03 73.02W–.03 31–4 4.1b,3.0s
RSNC VII 09 09 50 37.8–.94 7.37N 73.12W 4–5 4.4L,4.2W
NEIC VII 09 09 50 39.7–.49 7.38N 73.03W 42–5 4.3b,4.2W
ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=14.3km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=4.0km az=40.2.
RSNC Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=106.0. Felt [II] at Bucaramanga. Also felt at Floridablanca, Giron and Matanza.
RSNC VII 09 13 08 16.3–.84 6.77N 73.16W 144–4 2.9L
¶604710075
RSNC Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
RSNC VII 09 22 27 01.3–.77 6.82N 73.16W 138–4 3.8W,3.3L
¶604710094
RSNC Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
ISC VII 13 05 31 31.4–.57 6.83N–.03 73.11W–.04 155–5 4.2b 377 0-150
ISCJB VII 13 05 31 30.4–.22 6.83N–.03 73.11W–.03 160–2 4.2b **¶601271885**
IDC VII 13 05 31 30.9–.67 6.76N 72.97W 161–9 4.1,3.9
NEIC VII 13 05 31 31.7–.44 6.72N 73.11W 160–4 4.2b,3.9
RSNC VII 13 05 31 32.6–.98 6.82N 73.14W 148–5 4.0W,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=32.7.
IDC Error ellipse: s-maj=24.9km s-min=7.5km az=132.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=103.0.
RSNC Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC VII 15 00 38 05.3–1.1 6.81N–.04 73.13W–.04 151–7 39 0-150
ISCJB VII 15 00 38 05.8–.68 6.81N–.04 73.14W–.03 145–6 **¶601664598**
IDC VII 15 00 38 05.5–2.7 7.02N 73.22W 156–27 4.0,3.5
RSNC VII 15 00 38 06.9–1.1 6.79N 73.15W 142–5 3.4W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=143.1.
IDC Error ellipse: s-maj=143.6km s-min=15.2km az=135.0.
RSNC Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0.
ISC VII 18 17 23 08.9–.66 6.81N–.04 73.12W–.04 157–5 3.7b 53 0-150
ISCJB VII 18 17 23 08.4–.36 6.82N–.03 73.14W–.03 159–3 3.7b **¶601664798**
RSNC VII 18 17 23 09.8–.97 6.79N 73.14W 152–5 4.1W,4.0L
IDC VII 18 17 23 09.7–1.7 6.79N 73.03W 170–15 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=17.5.
RSNC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=17.2km az=73.0.
RSNC VII 19 00 44 48.2–.93 6.81N 73.15W 146–4 3.8W,3.5L
¶604710381
RSNC Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
ISC VII 22 20 58 32.4–1.0 6.82N–.05 73.14W–.05 145–7 33 0-150
ISCJB VII 22 20 58 31.8–.79 6.82N–.04 73.15W–.04 148–6 2.9b **¶604710515**
IDC VII 22 20 58 33.7–7.2 4.40N 76.78W 88–71 3.5,3.5
RSNC VII 22 20 58 33.3–1.1 6.78N 73.15W 142–5 3.4W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.2km az=29.6.
IDC Error ellipse: s-maj=85.1km s-min=38.1km az=33.0.
RSNC Error ellipse: s-maj=3.6km s-min=3.4km az=-1.0.
ISC VII 22 21 22 00.6–.77 7.47N–.04 73.13W–.05 136–7 3.5b 39 1-151
ISCJB VII 22 21 22 00.2–.42 7.46N–.03 73.14W–.04 141–4 3.4b **¶601664994**
RSNC VII 22 21 22 02.4–.81 7.44N 73.19W 130–4 3.7W,3.6L
IDC VII 22 21 22 02.0–1.5 7.42N 73.00W 153–15 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=176.6.
RSNC Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=14.7km az=138.0.
ISC VII 26 05 06 34.7–.94 6.85N–.04 73.12W–.04 148–6 41 0-150
ISCJB VII 26 05 06 34.5–.63 6.85N–.03 73.14W–.03 147–5 2.8b **¶604710682**
IDC VII 26 05 06 34.0–.78 6.75N 72.94W 159–10 3.4,3.2
RSNC VII 26 05 06 36.2–.87 6.81N 73.16W 140–4 3.5W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=37.8.
IDC Error ellipse: s-maj=39.1km s-min=7.5km az=132.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
ISC VII 30 10 18 55.3–.49 6.87N–.03 73.07W–.04 158–4 4.1b 116 0-150
ISCJB VII 30 10 18 54.7–.23 6.83N–.02 73.10W–.03 163–2 4.0b **¶601488103**
UCR VII 30 10 18 55.6–1.3 7.26N 73.37W 0–118 4.3b
IDC VII 30 10 18 55.4–.54 6.74N 72.87W 164–5 4.1,3.8
RSNC VII 30 10 18 56.7–.95 6.82N 73.14W 154–5 4.5W,4.3L
NEIC VII 30 10 18 56.0–.58 6.80N 73.03W 157–7 4.3b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=28.4.
UCR Error ellipse: s-maj=23.0km s-min=265.5km az=-1.0.
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=128.0.
RSNC Error ellipse: s-maj=3.0km s-min=3.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.5km az=116.0.
ISC VII 31 23 44 41.8–1.1 7.05N–.03 76.63W–.03 16–7 4.1b,3.3s 77 0-147
IDC VII 31 23 44 38.0–.64 6.98N 76.79W 0 4.0,3.9 **¶601499055**
RSNC VII 31 23 44 41.3–1.1 7.08N 76.68W 4–6 4.2W,3.8L
NEIC VII 31 23 44 45.7–.78 6.99N 76.64W 52–8 4.3b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=9.6km az=39.0.
RSNC Error ellipse: s-maj=3.7km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.9km az=222.0.
ISC VIII 01 17 06 23.0–.76 6.85N–.04 73.13W–.04 155–6 3.8b 53 0-154
ISCJB VIII 01 17 06 23.1–.45 6.85N–.03 73.14W–.03 153–4 3.6b **¶601765320**
IDC VIII 01 17 06 23.9–1.2 6.96N 73.08W 161–14 4.1,3.8
RSNC VIII 01 17 06 24.7–.94 6.81N 73.14W 147–4 3.9W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=43.6.
IDC Error ellipse: s-maj=27.6km s-min=12.8km az=122.0.
RSNC Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
RSNC VIII 02 16 23 36.6–.99 8.76N 74.09W 18–8 3.8W,3.2L
¶604710965
RSNC Error ellipse: s-maj=5.6km s-min=5.2km az=-1.0.
RSNC VIII 03 18 37 13.8–.92 6.82N 73.15W 151–5 3.7W,3.1L
¶604711013
RSNC Error ellipse: s-maj=3.6km s-min=3.9km az=-1.0.
RSNC VIII 04 18 30 39.3–1.0 6.84N 73.16W 142–5 3.5W,2.7L

¶604711053
RSNC Error ellipse: s-maj=3.2km s-min=3.4km az=-1.0.
RSNC VIII 04 23 07 23.6–.87 6.84N 73.16W 142–4 3.5W,3.0L
¶604711060
RSNC Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
RSNC VIII 05 16 40 08.6–.83 6.80N 73.15W 148–5 3.6W,3.1L
¶604711097
RSNC Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
ISC VIII 06 00 04 17.5–.66 6.82N–.04 73.11W–.04 152–5 3.6b 48 0-150
ISCJB VIII 06 00 04 16.7–.36 6.82N–.03 73.10W–.03 157–3 3.6b ¶601765524
IDC VIII 06 00 04 17.6–.69 6.82N 73.00W 156–8 3.8,3.6
RSNC VIII 06 00 04 19.8–.99 6.77N 73.15W 140–5 4.0W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=138.1.
IDC Error ellipse: s-maj=18.2km s-min=7.8km az=132.0.
RSNC Error ellipse: s-maj=3.2km s-min=3.0km az=-1.0.
ISC VIII 06 08 41 52.7–1.0 6.83N–.04 73.14W–.05 150–7 38 0-150
ISCJB VIII 06 08 41 52.0–.70 6.83N–.03 73.16W–.04 153–5 2.7b ¶601765543
RSNC VIII 06 08 41 53.6–.77 6.79N 73.17W 146–3 3.4L
IDC VIII 06 08 41 54.5–6.6 6.71N 73.23W 180–42 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=22.7.
RSNC Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=110.6km s-min=42.2km az=74.0.
ISC VIII 06 15 31 51.2–.56 6.82N–.03 73.10W–.04 156–5 4.2b 98 0-150
ISCJB VIII 06 15 31 50.6–.25 6.83N–.03 73.13W–.03 159–2 4.2b ¶601529205
NEIC VIII 06 15 31 51.9–.43 6.78N 73.15W 156–5 4.2b
IDC VIII 06 15 31 51.4–1.2 6.82N 72.93W 166–14 4.1,3.9
RSNC VIII 06 15 31 52.6–.79 6.80N 73.14W 149–4 3.9W,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=28.2.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=88.0.
IDC Error ellipse: s-maj=29.8km s-min=13.9km az=127.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.
ISC VIII 07 02 40 31.6–1.3 8.79N–.04 73.59W–.04 31–10 3.8b 33 1-151
IDC VIII 07 02 40 27.1–.74 8.83N 73.58W 0 4.0,3.7 ¶601765585
ISCJB VIII 07 02 40 30.9–1.3 8.98N–.04 73.49W–.04 20–10 3.7b,3.7
RSNC VIII 07 02 40 33.3–.90 8.81N 73.58W 2–6 4.0W,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=15.3km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.5km az=145.9.
RSNC Error ellipse: s-maj=5.2km s-min=4.9km az=-1.0.
ISC VIII 08 17 44 38.1–.74 6.85N–.04 73.11W–.04 156–6 3.6b 45 0-150
ISCJB VIII 08 17 44 37.4–.41 6.85N–.03 73.12W–.04 161–3 3.7b ¶601765666
IDC VIII 08 17 44 38.1–.71 6.78N 73.01W 162–10 4.1,3.9
RSNC VIII 08 17 44 39.3–1.1 6.83N 73.13W 151–6 4.0W,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=36.5.
IDC Error ellipse: s-maj=27.9km s-min=7.9km az=132.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.5km az=-1.0.
ISC VIII 09 12 00 58.8–.67 6.49N–.03 71.89W–.04 32–4 4.6b,3.5s 504 0-151
IDC VIII 09 12 00 53.7–.49 6.46N 71.97W 0 4.5,4.3L ¶601533518
ISCJB VIII 09 12 00 58.1–.36 6.50N–.03 71.87W–.03 41–3 4.6b,3.5s
NEIC VIII 09 12 00 59.2–.41 6.43N 71.86W 36–4 4.6b,3.5s
RSNC VIII 09 12 01 00.1–1.0 6.52N 72.04W 9–6 4.4W,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=7.8.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.5km az=75.0.
RSNC Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
RSNC VIII 10 22 35 46.9–1.0 6.81N 73.15W 148–4 4.0W,3.8L
¶604711291
RSNC Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0.
ISC VIII 14 08 06 51.8–.79 6.84N–.04 73.13W–.04 152–6 3.3b 46 0-149
ISCJB VIII 14 08 06 51.4–.45 6.84N–.03 73.16W–.04 154–3 3.2b ¶601765824
IDC VIII 14 08 06 52.7–1.3 6.79N 72.99W 166–17 3.7,3.5
RSNC VIII 14 08 06 53.3–.94 6.81N 73.17W 145–4 3.7W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=18.6.
IDC Error ellipse: s-maj=32.4km s-min=19.6km az=130.0.
RSNC Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
ISC VIII 16 01 44 16.5–.46 10.75N–.04 73.37W–.04 100 3.9b 67 1-152
ISCJB VIII 16 01 44 15.8–.29 10.73N–.02 73.30W–.03 100 3.9b ¶601765913
IDC VIII 16 01 44 17.5–1.4 10.71N 73.25W 105–14 4.2,3.9
RSNC VIII 16 01 44 18.1–.42 10.70N 73.36W 94–4 4.6W,4.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=179.9.
IDC Error ellipse: s-maj=13.1km s-min=10.6km az=43.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0.
ISC VIII 17 19 38 17.2–.86 6.84N–.04 73.12W–.04 151–6 40 0-150
ISCJB VIII 17 19 38 16.4–.53 6.84N–.04 73.12W–.04 155–4 3.5b ¶601766011
IDC VIII 17 19 38 16.7–.72 6.72N 72.90W 169–9 4.1,3.9
RSNC VIII 17 19 38 18.8–.93 6.77N 73.15W 144–4 4.0L,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=141.7.
IDC Error ellipse: s-maj=30.8km s-min=7.8km az=132.0.
RSNC Error ellipse: s-maj=3.1km s-min=2.8km az=-1.0.
ISC VIII 20 01 23 49.6–.99 6.84N–.04 73.13W–.04 156–7 39 0-150
ISCJB VIII 20 01 23 49.8–.65 6.83N–.04 73.14W–.03 152–5 3.1b ¶601766174
IDC VIII 20 01 23 49.3–1.3 7.00N 73.21W 161–9 3.8,3.6
RSNC VIII 20 01 23 50.8–.94 6.81N 73.15W 150–5 3.8W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=138.1.
IDC Error ellipse: s-maj=43.9km s-min=7.9km az=131.0.
RSNC Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
ISC VIII 20 13 00 30.4–.60 6.83N–.04 73.14W–.04 153–5 4.1b 245 0-154
ISCJB VIII 20 13 00 29.8–.23 6.83N–.03 73.14W–.04 157–2 4.0b ¶601605993
IDC VIII 20 13 00 29.7–.67 6.82N 73.05W 153–8 4.1,3.9
NEIC VIII 20 13 00 30.9–.50 6.76N 73.15W 156–5 4.1b,3.9
RSNC VIII 20 13 00 31.7–.95 6.81N 73.15W 147–4 4.3W,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.8km az=32.7.
IDC Error ellipse: s-maj=22.5km s-min=7.5km az=130.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=8.3km az=137.0. Felt at Tunja.
RSNC Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.
ISC VIII 22 15 46 52.6–.62 8.33N–.04 74.63W–.04 52–6 3.8b 56 1-153
IDC VIII 22 15 46 51.5–.66 8.16N 74.74W 48–5 3.9,3.8 ¶601766312
RSNC VIII 22 15 46 52.6–.73 8.29N 74.60W 7–3 3.9W,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=11.7km az=10.0.
RSNC Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0.
RSNC VIII 24 03 27 19.6–1.0 6.81N 73.15W 144–6 3.8W,3.5L
¶604711738
RSNC Error ellipse: s-maj=3.2km s-min=3.4km az=-1.0.
RSNC VIII 25 15 01 47.7–.73 6.81N 73.13W 151–6 1.7L
¶604711783
RSNC Error ellipse: s-maj=4.9km s-min=4.7km az=-1.0.
RSNC VIII 25 21 22 44.7–.75 6.83N 73.15W 148–4 3.5W,3.2L
¶604711792
RSNC Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0.
RSNC VIII 25 21 40 14.5–.87 6.82N 73.15W 146–5 3.5W,3.2L
¶604711794
RSNC Error ellipse: s-maj=3.0km s-min=3.0km az=-1.0.
RSNC VIII 26 08 00 30.0–1.0 6.82N 73.15W 145–5 3.5W,3.0L
¶604711808
RSNC Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
RSNC VIII 27 08 55 47.8–.89 6.79N 73.15W 149–4 3.6W,3.2L
¶604711835
RSNC Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
ISC VIII 28 22 04 01.9–.43 6.79N–.03 73.09W–.04 154–4 4.3b 438 0-150
ISCJB VIII 28 22 04 01.3–.18 6.77N–.02 73.06W–.02 155–1 4.3b ¶601629766
NEIC VIII 28 22 04 02.1–.18 6.67N 72.93W 155 4.4b
IDC VIII 28 22 04 02.1–.64 6.69N 73.03W 158–6 4.4,4.1
RSNC VIII 28 22 04 03.7–1.0 6.81N 73.16W 144–4 4.6W,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=28.8.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.5km az=66.0.
IDC Error ellipse: s-maj=13.6km s-min=8.5km az=65.0.
RSNC Error ellipse: s-maj=2.6km s-min=3.0km az=-1.0.
ISC VIII 28 23 38 47.3–.82 6.81N–.04 73.11W–.04 150–6 42 0-150
ISCJB VIII 28 23 38 47.6–.56 6.82N–.03 73.13W–.03 147–5 3.7b ¶601755537
IDC VIII 28 23 38 47.5–.72 6.66N 72.92W 157–8 3.9,3.5
RSNC VIII 28 23 38 49.0–.92 6.79N 73.13W 143–4 3.8W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=37.1.
IDC Error ellipse: s-maj=25.9km s-min=7.4km az=133.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
ISC IX 01 05 09 45.8–.23 6.79N–.03 73.04W–.03 165–1 5.0b 1699 0-171
MOS IX 01 05 09 43.0–1.0 6.82N 72.92W 149 4.8b ¶601668339
ISCJB IX 01 05 09 44.4–.16 6.74N–.02 72.99W–.01 165–1 5.0b
IDC IX 01 05 09 45.5–.32 6.78N 72.92W 163–2 5.0,4.7
NEIC IX 01 05 09 45.6–.10 6.72N 72.92W 164 5.1b,4.7
RSNC IX 01 05 09 46.5–.98 6.83N 73.16W 154–4 5.4W,5.3L
GCMT IX 01 05 09 48.7–.40 6.86N–.03 73.12W–.03 164–4 5.1W,5.3L
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Bogota, Bucaramanga, Medellin and Pereira. Also felt at Carmen de Viboral, Cepita, Envigado, Facatativa, Floridablanca, Manizales, Ocana, Pasca, Pinalito, San Rafael and Sogamoso. Felt at San Cristobal, Venezuela.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s69,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.28 $M_{\theta\theta}$1.66±.28; $M_{\phi\phi}$-4.25±.32; $M_{r\theta}$2.53±.19; $M_{\theta\phi}$-1.65±.25; $M_{\phi r}$-2.65±.22; Best double couple: NP1:ϕ_s159.00000°,δ71.00000°,λ50.00000°. NP2:ϕ_s48.00000°,δ43.00000°,λ151.00000°. Principal axes: T 5.6700,Plg48.0000° ,Azm27.0000°; N -0.4120,Plg37.0000°,Azm175.0000°; P -5.2490,Plg16.0000° ,Azm277.0000° $M_0$5.45900×10^{16}
ISC IX 03 08 46 42.8–.70 6.82N–.04 73.11W–.04 155–5 3.4b 51 0-150
ISCJB IX 03 08 46 42.1–.37 6.84N–.03 73.12W–.03 158–3 3.6b ¶601862851
IDC IX 03 08 46 43.4–1.2 6.81N 72.95W 165–13 3.9,3.7
RSNC IX 03 08 46 44.9–.89 6.79N 73.15W 144–4 4.0W,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=136.8.
IDC Error ellipse: s-maj=21.0km s-min=13.3km az=116.0.
RSNC Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
RSNC IX 03 10 17 33.7–.94 6.80N 73.17W 143–6 3.5W,2.7L
¶604712049
RSNC Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.
RSNC IX 05 10 53 43.3–.90 6.80N 73.13W 148–5 3.6W,2.9L
¶604712127
RSNC Error ellipse: s-maj=3.7km s-min=3.5km az=-1.0.
RSNC IX 05 14 42 48.7–.68 6.63N 71.86W 0–12 3.5W,3.2L
¶604712132
RSNC Error ellipse: s-maj=7.1km s-min=7.8km az=-1.0.
RSNC IX 05 14 42 56.7–.89 6.68N 71.81W 1–13 4.2W,3.8L
¶604712135
RSNC Error ellipse: s-maj=6.9km s-min=9.6km az=-1.0.
ISC IX 07 07 52 12.0–.65 7.38N–.03 75.26W–.03 50–6 4.3b,3.3s 87 0-149
IDC IX 07 07 52 10.2–.65 7.34N 75.14W 39–5 4.3L,4.0 ¶601715680
ISCJB IX 07 07 52 11.5–.29 7.37N–.03 75.24W–.03 57–3 4.2b,3.3s
RSNC IX 07 07 52 12.9–1.1 7.31N 75.28W 22–3 4.1W,3.9L
NEIC IX 07 07 52 13.4–.65 7.34N 75.13W 67–7 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=13.8km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=170.8.
RSNC Error ellipse: s-maj=3.0km s-min=2.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.8km az=61.0.
RSNC IX 07 11 03 49.0–.96 6.78N 73.15W 140–5 3.9W,3.7L
¶604712941
RSNC Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.
ISC IX 08 16 51 45.2–1.1 6.83N–.04 73.12W–.04 155–7 42 0-150
ISCJB IX 08 16 51 45.8–.70 6.82N–.04 73.13W–.04 149–6 ¶601863182
IDC IX 08 16 51 45.6–1.0 6.63N 72.82W 166–25 4.1,3.7
RSNC IX 08 16 51 47.0–.89 6.79N 73.14W 147–4 3.9W,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=41.3.
IDC Error ellipse: s-maj=523.5km s-min=7.9km az=132.0.
RSNC Error ellipse: s-maj=3.4km s-min=3.4km az=-1.0.
RSNC IX 09 15 54 48.8–.90 7.01N 76.64W 4–6 3.7W,3.3L
¶604713008
RSNC Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0.
ISC IX 10 07 16 46.8–1.1 6.80N–.05 73.14W–.05 149–7 30 0-150
ISCJB IX 10 07 16 45.7–.84 6.81N–.04 73.14W–.05 156–6 3.1b ¶604713023
RSNC IX 10 07 16 47.4–.88 6.79N 73.14W 148–5 3.5W,3.3L
IDC IX 10 07 16 49.6–7.1 4.68N 76.68W 101–76 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.9km az=4.4.
RSNC Error ellipse: s-maj=3.2km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=96.6km s-min=40.8km az=38.0.
ISC IX 10 14 43 00.6–.57 6.83N–.04 73.07W–.04 162–5 3.6b 62 0-154
ISCJB IX 10 14 42 59.7–.32 6.83N–.03 73.12W–.03 164–2 3.7b ¶601863305
IDC IX 10 14 43 00.7–.61 6.77N 72.97W 162–6 4.0,3.7
RSNC IX 10 14 43 02.4–.78 6.79N 73.16W 149–4 4.1L,3.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=164.4.
IDC Error ellipse: s-maj=11.2km s-min=7.0km az=129.0.
RSNC Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0.
ISC IX 15 02 58 39.3–1.3 6.8N–.10 73.2W–.10 153–8 13 0-154
IDC IX 15 02 58 33.5–3.6 12.29N 86.32W 0 3.7,3.2 ¶604713458
ISCJB IX 15 02 58 39.6–2.3 6.8N–.10 73.17W–.10 150–14 3.7,3.2
RSNC IX 15 02 58 39.8–.46 6.78N 73.14W 153–4 1.8L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=286.0km s-min=68.5km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=13.2km az=35.6.
RSNC Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
RSNC IX 16 20 19 40.8–.75 6.35N 73.60W 112–5 3.8W,3.2L
¶604713534
RSNC Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
ISC IX 17 01 51 34.2–1.2 7.16N–.04 72.13W–.04 22–11 23 1-151
IDC IX 17 01 51 30.2–1.2 7.46N 72.10W 0 3.5,3.4 ¶604713547
ISCJB IX 17 01 51 34.5–1.1 7.10N–.04 72.19W–.04 7–8 3.4b,2.8s
RSNC IX 17 01 51 35.7–1.1 7.11N 72.19W 4–6 3.5W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=27.9km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=19.8.
RSNC Error ellipse: s-maj=3.8km s-min=3.0km az=-1.0.
ISC IX 18 06 57 26.6–.72 6.81N–.04 73.12W–.04 159–5 3.9b 42 0-154
ISCJB IX 18 06 57 26.0–.47 6.86N–.04 73.12W–.04 156–4 3.6b ¶601863749
IDC IX 18 06 57 26.8–1.2 6.76N 72.88W 164–10 3.8,3.5
RSNC IX 18 06 57 28.6–1.0 6.79N 73.16W 144–5 3.6W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=43.6.
IDC Error ellipse: s-maj=25.4km s-min=13.5km az=134.0.
RSNC Error ellipse: s-maj=3.9km s-min=3.5km az=-1.0.
ISC IX 25 16 02 34.7–1.1 6.82N–.04 73.16W–.04 148–7 40 0-150
ISCJB IX 25 16 02 33.3–.70 6.86N–.04 73.15W–.04 150–6 ¶601864160
IDC IX 25 16 02 33.2–1.6 6.97N 73.17W 160–17 4.0,3.6
RSNC IX 25 16 02 34.3–.93 6.82N 73.15W 148–4 3.8L,3.6W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.3km az=43.2.
IDC Error ellipse: s-maj=89.4km s-min=7.7km az=132.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
ISC IX 26 02 22 23.2–.51 6.84N–.04 73.08W–.04 149–4 4.3b 299 0-150

ISCJB IX 26 02 22 23.2–.20 6.84N–.03 73.09W–.03 155–2 4.2b ¶601751138
IDC IX 26 02 22 23.4–.53 6.82N 73.01W 150–6 4.0,3.8
RSNC IX 26 02 22 25.2–1.0 6.83N 73.14W 148–5 4.1W,4.1L
NEIC IX 26 02 22 25.2–.00 6.82N 73.14W 147 4.3b,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=40.1.
IDC Error ellipse: s-maj=13.5km s-min=7.1km az=128.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt at Bogota. After RSNC.
ISC IX 28 07 56 10.2–.88 6.83N–.05 73.12W–.04 146–6 34 0-150
ISCJB IX 28 07 56 09.7–.59 6.84N–.04 73.13W–.04 148–5 3.0b ¶601864344
IDC IX 28 07 56 09.4–.76 6.71N 72.95W 154–10 3.4,3.3
RSNC IX 28 07 56 11.9–.66 6.78N 73.14W 138–4 3.4W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.3km az=140.9.
IDC Error ellipse: s-maj=34.0km s-min=7.5km az=132.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
ISC IX 29 05 26 11.8–.46 7.13N–.04 72.05W–.04 39–5 4.5b,3.4s 182 1-151
ISCJB IX 29 05 26 09.6–.41 7.21N–.02 71.92W–.02 33–4 4.4b,3.4s ¶601767107
RSNC IX 29 05 26 10.4–1.1 7.20N 72.09W 0–6 4.0W,4.0L
NEIC IX 29 05 26 11.4–.20 7.13N 71.94W 35 4.5b,4.0L
IDC IX 29 05 26 12.9–1.7 7.18N 72.03W 50–16 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=42.5.
RSNC Error ellipse: s-maj=3.6km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=94.0.
IDC Error ellipse: s-maj=14.1km s-min=11.6km az=82.0.
RSNC IX 30 00 01 04.3–1.0 6.82N 73.14W 149–5 3.7W,3.2L
¶604714253
RSNC Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC X 01 01 04 14.1–.81 8.20N–.06 74.20W–.04 72–10 3.6b 33 1-150
ISCJB X 01 01 04 13.3–.51 8.24N–.04 74.23W–.03 84–8 3.5b ¶601996341
RSNC X 01 01 04 15.1–.90 8.17N 74.25W 21–6 4.1W,3.8L
IDC X 01 01 04 16.6–1.4 8.10N 74.09W 102–16 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.7km az=173.8.
RSNC Error ellipse: s-maj=5.8km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=9.7km az=131.0.
RSNC X 09 14 42 43.8–.85 6.80N 73.14W 149–4 3.8W,3.6L
¶604714543
RSNC Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
RSNC X 11 01 11 17.9–.52 6.78N 73.14W 145–4 2.0L
¶604714576
RSNC Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
RSNC X 11 01 11 38.5–.82 6.72N 73.13W 141–8 2.1L
¶604714579
RSNC Error ellipse: s-maj=4.3km s-min=7.1km az=-1.0.
RSNC X 11 05 16 59.4–.74 6.79N 73.15W 147–4 3.5W,3.2L
¶604714586
RSNC Error ellipse: s-maj=3.0km s-min=2.7km az=-1.0.
RSNC X 11 16 27 46.4–.86 6.88N 76.70W 4–6 3.6W,3.0L
¶604714603
RSNC Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0.
RSNC X 18 23 38 38.6–.83 6.80N 73.13W 142–4 3.6W,3.2L
¶604714839
RSNC Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
RSNC X 19 21 41 58.3–.89 6.80N 73.14W 146–5 3.5W,3.1L
¶604714888
RSNC Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.
ISC X 19 23 28 16.8–1.0 6.84N–.05 73.15W–.05 150 30 0-150
ISCJB X 19 23 28 16.9–.42 6.84N–.04 73.15W–.05 150 2.8b ¶604714891
RSNC X 19 23 28 17.9–1.0 6.81N 73.16W 148–6 4.0W,3.5L
IDC X 19 23 28 21.2–7.3 4.76N 76.62W 104–78 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=25.2.
RSNC Error ellipse: s-maj=3.8km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=104.8km s-min=38.4km az=41.0.
ISC X 20 09 37 10.4–.79 6.84N–.04 73.13W–.04 158–6 3.1b 38 0-150
ISCJB X 20 09 37 09.9–.49 6.86N–.04 73.13W–.04 162–4 3.3b ¶601999025
IDC X 20 09 37 10.3–.77 6.85N 73.12W 159–16 3.7,3.5
RSNC X 20 09 37 12.4–.81 6.80N 73.15W 148–4 3.7W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.5km az=142.0.
IDC Error ellipse: s-maj=40.7km s-min=8.4km az=132.0.
RSNC Error ellipse: s-maj=3.0km s-min=3.0km az=-1.0.
ISC X 20 21 51 10.5–.55 6.83N–.04 73.08W–.04 158–4 4.4b 309 0-150
ISCJB X 20 21 51 09.6–.20 6.83N–.03 73.09W–.03 160–2 4.4b ¶601841773
IDC X 20 21 51 10.4–.62 6.79N 72.96W 162–6 4.2,3.9
NEIC X 20 21 51 10.7–.48 6.76N 73.06W 159–5 4.4b,3.9
RSNC X 20 21 51 11.6–.90 6.82N 73.14W 150–4 4.4W,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.7km az=35.5.
IDC Error ellipse: s-maj=15.1km s-min=7.2km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.8km az=133.0.
RSNC Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
RSNC X 21 21 09 19.1–1.2 6.50N 72.49W 7–7 3.7W,3.3L
¶604714961
RSNC Error ellipse: s-maj=4.1km s-min=3.2km az=-1.0.
RSNC X 22 12 56 11.9–.40 6.80N 73.13W 149–4 1.9L
¶604714987
RSNC Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
ISC X 22 23 41 18.6–.77 6.84N–.04 73.10W–.04 160–6 3.2b 36 0-150
ISCJB X 22 23 41 18.5–.51 6.85N–.04 73.12W–.04 160–4 3.3b ¶601999319
IDC X 22 23 41 18.6–.70 6.69N 72.89W 167–7 3.9,3.6
RSNC X 22 23 41 20.3–.70 6.80N 73.14W 151–4 3.9W,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=136.0.
IDC Error ellipse: s-maj=21.9km s-min=7.9km az=134.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
RSNC X 23 09 43 31.6–.77 6.94N 76.65W 13–4 3.5W,3.2L
¶604715020
RSNC Error ellipse: s-maj=3.2km s-min=2.0km az=-1.0.
ISC X 24 10 20 08.0–.70 6.83N–.04 73.11W–.04 154–5 3.5b 55 0-150
ISCJB X 24 10 20 07.2–.36 6.84N–.03 73.12W–.03 158–3 3.5b ¶601999474
IDC X 24 10 20 07.7–.72 6.80N 73.03W 155–8 3.8,3.7
RSNC X 24 10 20 09.3–.93 6.80N 73.15W 148–4 4.2L,4.1W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=39.7.
IDC Error ellipse: s-maj=18.1km s-min=7.9km az=130.0.
RSNC Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
ISC X 26 08 28 16.7–1.2 6.82N–.04 73.12W–.05 147–7 40 0-150
IDC X 26 08 28 01.6–1.4 7.35N 76.68W 0 3.8,3.8 ¶604715116
ISCJB X 26 08 28 15.5–.68 6.84N–.04 73.11W–.04 153–5 3.8,3.8
RSNC X 26 08 28 16.5–.87 6.81N 73.13W 150–4 4.0W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=38.7km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=17.3.
RSNC Error ellipse: s-maj=3.0km s-min=3.3km az=-1.0.
RSNC X 28 08 41 24.7–.84 7.40N 76.20W 5–8 3.5W,3.4L
¶604715179
RSNC Error ellipse: s-maj=3.0km s-min=3.3km az=-1.0.
ISC X 30 12 18 20.0–.51 6.84N–.03 73.06W–.04 153–4 4.4b 322 0-154
ISCJB X 30 12 18 19.0–.22 6.81N–.02 73.04W–.03 156–1 4.3b ¶601861590
NEIC X 30 12 18 20.8–.32 6.75N 72.97W 164–3 4.4b
IDC X 30 12 18 20.1–.65 6.77N 72.96W 157–6 4.4,4.1
RSNC X 30 12 18 21.1–1.1 6.83N 73.13W 144–5 4.5L,4.3W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=32.3.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=206.0.
IDC Error ellipse: s-maj=13.4km s-min=7.4km az=134.0.
RSNC Error ellipse: s-maj=3.0km s-min=3.7km az=-1.0.

ISC X 30 12 29 24.5–.93 6.86N–.04 73.13W–.05 153–6 35 0-150
ISCJB X 30 12 29 24.1–.58 6.87N–.04 73.14W–.04 154–5 3.1b ¶602000474
IDC X 30 12 29 24.6–.81 6.82N 73.01W 159–13 3.5,3.4
RSNC X 30 12 29 25.8–1.2 6.83N 73.14W 146–5 3.8L,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.5km az=36.9.
IDC Error ellipse: s-maj=38.0km s-min=7.5km az=132.0.
RSNC Error ellipse: s-maj=3.7km s-min=4.3km az=-1.0.
ISC X 31 02 57 38.0–.70 6.84N–.04 73.10W–.05 157–5 44 0-150
ISCJB X 31 02 57 37.4–.38 6.85N–.04 73.11W–.04 162–3 3.5b ¶602000564
IDC X 31 02 57 37.9–.63 6.72N 72.96W 160–7 3.9,3.6
RSNC X 31 02 57 39.8–1.1 6.82N 73.14W 149–5 4.1L,4.0W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=44.6.
IDC Error ellipse: s-maj=18.0km s-min=7.3km az=134.0.
RSNC Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
ISC X 31 15 39 34.5–.80 6.89N–.04 73.11W–.05 154–6 3.5b 37 0-150
ISCJB X 31 15 39 34.3–.56 6.91N–.04 73.13W–.04 155–4 3.4b ¶602000641
RSNC X 31 15 39 36.1–.98 6.86N 73.13W 146–5 3.8W,3.8L
IDC X 31 15 39 36.5–2.5 6.82N 73.26W 174–22 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.0km az=26.2.
RSNC Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=40.5km s-min=26.5km az=66.0.
ISC XI 05 02 30 10.0–.68 8.79N–.04 73.05W–.04 135–6 3.8b 63 1-151
ISCJB XI 05 02 30 09.7–.36 8.77N–.03 73.07W–.04 139–4 3.6b ¶602388834
RSNC XI 05 02 30 11.9–1.1 8.72N 73.13W 131–5 4.4W,4.3L
IDC XI 05 02 30 12.0–1.1 8.71N 72.86W 155–12 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=4.6.
RSNC Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.5km s-min=10.0km az=118.0.
ISC XI 05 16 45 59.8–.54 6.80N–.03 73.04W–.04 153–5 4.5b 352 0-154
ISCJB XI 05 16 45 58.9–.23 6.79N–.02 73.02W–.03 155–1 4.4b ¶601874321
IDC XI 05 16 45 59.4–.59 6.79N 72.95W 153–6 4.5,4.1
NEIC XI 05 16 46 00.1–.38 6.73N 72.90W 161–4 4.5b,4.1
RSNC XI 05 16 46 01.3–1.1 6.82N 73.14W 145–5 4.8L,4.5W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=32.7.
IDC Error ellipse: s-maj=12.1km s-min=6.6km az=131.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=86.0.
RSNC Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0.
ISC XI 17 04 29 26.0–.84 6.87N–.03 73.10W–.04 160–5 58 0-150
ISCJB XI 17 04 29 25.9–.46 6.87N–.02 73.12W–.03 159–4 3.3b ¶602389544
IDC XI 17 04 29 26.1–.78 6.73N 72.94W 163–8 3.9,3.6
RSNC XI 17 04 29 28.1–.89 6.82N 73.15W 148–4 3.8W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=24.3.
IDC Error ellipse: s-maj=35.7km s-min=7.5km az=134.0.
RSNC Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0.
RSNC XI 20 20 41 13.4–1.3 6.82N 73.16W 140–5 3.7W,3.2L
¶604715989
RSNC Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
ISC XI 25 12 49 38.9–.87 7.01N–.04 73.12W–.04 158–6 39 0-150
ISCJB XI 25 12 49 38.1–.59 7.01N–.03 73.13W–.04 162–4 3.0b ¶602389974
IDC XI 25 12 49 38.2–.75 6.89N 72.94W 167–11 3.4,3.2
RSNC XI 25 12 49 39.8–.72 6.96N 73.15W 154–4 3.3W,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=12.9.
IDC Error ellipse: s-maj=40.9km s-min=7.7km az=131.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0.
ISC XI 25 22 24 06.8–.57 6.88N–.03 73.12W–.04 155–5 4.2b 143 0-154
ISCJB XI 25 22 24 06.5–.22 6.86N–.02 73.13W–.03 157–2 4.3b ¶602213410
IDC XI 25 22 24 07.3–.60 6.74N 72.90W 164–6 4.2,3.8
NEIC XI 25 22 24 08.0–.00 6.82N 73.16W 152 4.4L,4.3b
RSNC XI 25 22 24 08.0–1.1 6.82N 73.16W 152–4 4.6W,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=20.7.
IDC Error ellipse: s-maj=13.4km s-min=7.0km az=132.0.
NEIC Event type se. After RSNC.
RSNC Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
ISC XII 02 01 14 55.5–.70 6.84N–.04 73.12W–.04 153–5 55 0-154
ISCJB XII 02 01 14 55.1–.39 6.84N–.03 73.12W–.04 155–3 3.5b ¶602390311
IDC XII 02 01 14 55.6–.64 6.75N 72.95W 158–7 3.8,3.6
RSNC XII 02 01 14 57.7–.88 6.77N 73.16W 141–4 3.6W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=37.3.
IDC Error ellipse: s-maj=19.2km s-min=7.3km az=133.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
ISC XII 02 20 00 09.2–.75 6.84N–.03 73.42W–.04 124–6 3.3b 47 0-150
ISCJB XII 02 20 00 08.8–.39 6.84N–.03 73.44W–.03 128–4 3.2b ¶602390371
RSNC XII 02 20 00 10.5–1.0 6.78N 73.44W 117–6 3.6W,3.5L
IDC XII 02 20 00 10.1–.75 6.82N 73.31W 136–9 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=9.3.
RSNC Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=20.7km s-min=7.2km az=131.0.
RSNC XII 10 01 37 36.0–.67 6.80N 73.17W 146–4 1.9L
¶604699627
RSNC Error ellipse: s-maj=2.4km s-min=3.5km az=-1.0.
RSNC XII 10 22 18 28.0–.92 6.83N 73.12W 145–4 3.5W,3.4L
¶604699664
RSNC Error ellipse: s-maj=2.4km s-min=3.0km az=-1.0.
ISC XII 11 14 02 28.8–.57 6.86N–.03 73.11W–.04 162–5 3.7b 59 0-150
ISCJB XII 11 14 02 28.1–.34 6.87N–.03 73.12W–.04 164–3 3.9b ¶602391095
IDC XII 11 14 02 29.5–.64 6.69N 73.07W 169–6 3.9,3.6
RSNC XII 11 14 02 30.6–1.2 6.82N 73.15W 150–5 4.2L,3.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=2.4.
IDC Error ellipse: s-maj=16.7km s-min=10.1km az=122.0.
RSNC Error ellipse: s-maj=2.8km s-min=3.5km az=-1.0.
ISC XII 13 09 40 17.9–1.0 6.84N–.03 73.13W–.04 155–6 43 0-150
IDC XII 13 09 40 17.9–.86 6.94N 73.14W 157–16 3.4,3.1 ¶602391251
ISCJB XII 13 09 40 18.8–.69 6.85N–.03 73.15W–.04 148–6 2.9b,3.1
RSNC XII 13 09 40 20.0–1.2 6.80N 73.17W 144–5 3.3W,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=7.7km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=5.3.
RSNC Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
ISC XII 13 10 05 20.5–.51 6.82N–.03 73.06W–.04 159–4 3.9b 92 0-150
ISCJB XII 13 10 05 20.0–.28 6.82N–.02 73.07W–.03 161–2 3.8b ¶602391254
IDC XII 13 10 05 20.7–.48 6.75N 72.91W 163–5 4.1,3.8
RSNC XII 13 10 05 22.2–1.0 6.80N 73.13W 150–4 4.2W,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=11.7.
IDC Error ellipse: s-maj=13.2km s-min=7.4km az=127.0.
RSNC Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
ISC XII 16 22 58 53.2–.99 6.84N–.03 73.14W–.05 153–6 51 0-150
ISCJB XII 16 22 58 53.7–.70 6.85N–.03 73.16W–.04 149–5 2.9b ¶604699951
RSNC XII 16 22 58 55.0–1.1 6.82N 73.16W 144–4 3.5W,3.3L
IDC XII 16 22 58 56.1–6.6 6.76N 75.60W 135–82 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=4.5.
RSNC Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=195.6km s-min=34.1km az=82.0.
ISC XII 19 00 23 29.1–.52 6.85N–.03 73.08W–.04 153–4 4.4b 354 0-150
ISCJB XII 19 00 23 28.7–.20 6.85N–.02 73.12W–.03 155–1 4.3b ¶602052891
IDC XII 19 00 23 28.6–.72 6.85N 72.90W 152–6 4.4,4.1
NEIC XII 19 00 23 30.1–.35 6.79N 72.98W 166–3 4.3b,4.1
RSNC XII 19 00 23 30.6–.78 6.83N 73.16W 147–3 4.3L,4.2W
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=21.4.
IDC Error ellipse: s-maj=17.0km s-min=14.3km az=17.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=4.3km az=77.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
RSNC XII 19 02 40 42.4–1.4 6.82N 73.17W 142–5 3.7W,3.6L ¶604700068
RSNC Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISC XII 19 19 51 08.1–.69 6.84N–.03 73.12W–.05 157–5 3.8b 69 0-150
ISCJB XII 19 19 51 07.5–.35 6.85N–.02 73.14W–.04 158–3 3.6b **¶602391683**
IDC XII 19 19 51 08.3–.68 6.79N 72.97W 164–9 4.0,3.8
RSNC XII 19 19 51 09.0–1.1 6.81N 73.15W 152–5 4.1W,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=18.3.
IDC Error ellipse: s-maj=24.9km s-min=7.6km az=133.0.
RSNC Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
ISC XII 20 20 38 06.9–.86 6.83N–.03 73.16W–.04 154–5 61 0-150
ISCJB XII 20 20 38 06.6–.46 6.84N–.02 73.17W–.03 155–4 3.6b **¶602391752**
IDC XII 20 20 38 07.1–3.9 6.54N 72.78W 176–27 3.9,3.5
RSNC XII 20 20 38 08.1–1.4 6.81N 73.17W 148–4 3.9W,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=14.2.
IDC Error ellipse: s-maj=87.4km s-min=29.6km az=104.0.
RSNC Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0.
RSNC XII 20 20 58 37.9–1.4 6.84N 73.14W 148–5 3.5W,2.9L ¶604700140
RSNC Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0.
RSNC XII 22 20 24 21.3–1.3 6.83N 73.13W 151–5 3.5W,3.4L ¶604700221
RSNC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
ISC XII 24 06 41 12.9–.48 6.83N–.03 73.10W–.03 159–4 3.6b 263 0-150
ANF XII 24 06 40 43.5–1.1 5.27N 72.63W 5 3.6b **¶602391976**
ISCJB XII 24 06 41 12.5–.20 6.84N–.02 73.11W–.03 158–1 3.8b
IDC XII 24 06 41 12.6–.59 6.75N 72.99W 158–5 4.2,3.8
RSNC XII 24 06 41 14.4–.98 6.84N 73.09W 150–4 4.4L,4.3W
ISC Event type ke.
ANF Error ellipse: s-maj=18.6km s-min=11.1km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=9.2.
IDC Error ellipse: s-maj=10.7km s-min=9.3km az=146.0.
RSNC Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0.
ISC XII 26 00 05 02.2–1.2 6.82N–.04 73.15W–.05 149–8 36 0-63
IDC XII 26 00 05 01.5–4.3 7.34N 75.07W 79–39 3.6,3.5 **¶602380608**
ISCJB XII 26 00 05 02.8–.86 6.83N–.03 73.17W–.04 144–7 3.4b,3.5
RSNC XII 26 00 05 03.8–1.0 6.77N 73.15W 142–5 2.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=1005.0km s-min=30.4km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=176.7.
RSNC Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
ISC XII 29 02 37 15.1–1.4 7.39N–.05 76.64W–.03 4–10 3.4b 21 1-147
IDC XII 29 02 37 11.9–.92 7.25N 76.24W 0 3.6,3.4 **¶602380812**
RSNC XII 29 02 37 16.1–.85 7.38N 76.63W 0–5 3.7W,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=14.7km az=52.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
ISC XII 29 02 38 32.5–1.3 7.33N–.03 76.65W–.03 2–9 3.4b 33 1-147
IDC XII 29 02 38 31.8–.93 7.15N 76.70W 0 3.7,3.5 **¶602380813**
ISCJB XII 29 02 38 33.0–1.6 7.32N–.03 76.72W–.03 7–10 3.4b,3.5
RSNC XII 29 02 38 34.6–.79 7.35N 76.69W 2–4 3.9W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=47.2km s-min=15.9km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.8km az=36.6.
RSNC Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
ISC XII 31 02 17 44.2–.73 6.87N–.03 73.09W–.04 152–6 3.4b 52 0-150
ISCJB XII 31 02 17 43.3–.42 6.90N–.03 73.11W–.03 155–4 3.3b **¶602380464**
IDC XII 31 02 17 43.5–.73 6.69N 72.93W 161–9 3.8,3.5
RSNC XII 31 02 17 45.3–.98 6.84N 73.11W 145–5 3.7W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=21.2.
IDC Error ellipse: s-maj=27.5km s-min=7.3km az=131.0.
RSNC Error ellipse: s-maj=2.8km s-min=4.0km az=-1.0.

(101) Venezuela.

ISC VII 06 08 55 04.5–.96 10.8N–.10 69.22W–.07 12 3.5b 14 2-69
ISCJB VII 06 08 55 02.6–.72 10.82N–.09 69.20W–.05 12 3.3b **¶601663536**
IDC VII 06 08 55 02.6–1.1 10.78N 69.14W 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.7km az=160.5.
IDC Error ellipse: s-maj=27.3km s-min=20.1km az=159.0.
ISC VII 27 16 15 47.6–.44 9.22N–.05 69.66W–.05 8 4.1b,3.2s 70 1-154
ISCJB VII 27 16 15 46.0–.27 9.29N–.04 69.64W–.04 8 4.0b,3.2s **¶601484404**
IDC VII 27 16 15 46.0–.48 9.20N 69.67W 0 4.4L,4.3
NEIC VII 27 16 15 49.0–.00 9.22N 69.67W 5 4.4b,4.2W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=44.4.
IDC Error ellipse: s-maj=13.4km s-min=8.9km az=155.0.
NEIC Event type se. After CAR.
ISC VIII 29 05 07 05.0–.51 8.70N–.05 71.36W–.04 8 3.9b,3.1s 71 1-153
ISCJB VIII 29 05 07 02.9–.28 8.71N–.03 71.21W–.04 8 3.9b,3.1s **¶601755547**
IDC VIII 29 05 07 03.7–.63 8.59N 71.43W 0 4.2,4.1L
NEIC VIII 29 05 07 07.3–1.6 8.67N 71.22W 25–12 4.0b,3.8W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.2km az=37.7.
IDC Error ellipse: s-maj=15.5km s-min=9.1km az=165.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.7km az=94.0. Felt at Merida.
ISC X 30 17 20 43.7–.80 10.77N–.07 69.27W–.07 10 3.6b 23 2-156
ISCJB X 30 17 20 41.8–.57 10.81N–.07 69.25W–.05 10 3.6b,2.7s **¶602000513**
IDC X 30 17 20 42.0–.96 10.79N 69.26W 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.1km az=161.7.
IDC Error ellipse: s-maj=22.9km s-min=19.8km az=165.0.

(731) North of Honduras.

ISC VII 12 03 52 48.0–.39 16.17N–.03 84.96W–.04 10 4.4b,3.6s 418 3-145
ISCJB VII 12 03 52 45.6–.21 16.10N–.02 84.91W–.02 10 4.3b,3.6s **¶601625023**
NEIC VII 12 03 52 49.8–1.1 16.08N 84.95W 25–8 4.3b,3.6s
IDC VII 12 03 52 50.9–3.4 15.94N 84.98W 37–31 4.0,4.0
UCR VII 12 03 52 58.2–2.8 16.59N 85.08W 25 4.3b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=5.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=73.0.
IDC Error ellipse: s-maj=23.8km s-min=13.5km az=50.0.
UCR Error ellipse: s-maj=14.9km s-min=13.2km az=-1.0.
ISC VII 16 22 49 11.0–.63 17.03N–.05 85.82W–.05 29 4.4b,3.9s 293 3-88
IDC VII 16 22 49 06.0–.96 16.71N 85.79W 0 4.2,4.0 **¶601352358**
NEIC VII 16 22 49 11.3–.32 16.72N 85.82W 35 4.3b,4.0
GCMT VII 16 22 49 11.3–.30 16.98N 85.84W 27–1 4.9W,4.0
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.1km az=55.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.6km az=109.0.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c20; s72,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.14 $M_{\theta\theta}$-1.46±.11; $M_{\phi\phi}$1.74±.13; $M_{r\theta}$-0.80±.20; $M_{\theta\phi}$1.54±.09; $M_{\phi r}$1.15±.22; Best double couple: NP1:ϕ_s159.00000°,δ83.00000°,λ-148.00000°. NP2:ϕ_s65.00000°,δ58.00000°,λ-8.00000°. Principal axes: T 2.5900,Plg17.0000°,Azm288.0000°; N 0.0910,Plg58.0000°,Azm170.0000°; P -2.6810,Plg27.0000°,Azm26.0000° $M_0$2.63500×10^{16}
ISC VIII 09 14 16 47.3–.58 16.89N–.05 86.61W–.07 10 4.0b,3.4s 179 3-94
UCR VIII 09 14 16 44.4–1.2 17.01N 86.23W 171–195 4.1,4.1b **¶601533524**
NEIC VIII 09 14 16 45.9–.55 16.91N 86.57W 10 4.1b,4.1b
ISCJB VIII 09 14 16 46.2–.28 16.93N–.02 86.39W–.05 10 3.9b,3.3s
IDC VIII 09 14 16 46.9–1.4 17.23N 86.13W 0 4.1,3.9
ISC Event type fe.
UCR Error ellipse: s-maj=67.6km s-min=25.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=8.7km az=60.0. Felt on Roatan.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=2.7km az=18.2.
IDC Error ellipse: s-maj=37.3km s-min=25.0km az=35.0.
ISC VIII 18 02 53 51.6–.80 16.1N–.10 87.3W–.10 35 3.6b 10 6-141
IDC VIII 18 02 53 46.7–1.3 16.13N 87.10W 0 3.8,3.6 **¶601766025**
ISCJB VIII 18 02 53 49.5–.76 16.0N–.10 87.3W–.10 33 3.6b,2.8s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 12 12 58.1–.41 16.87N–.04 85.66W–.05 28 4.6b,3.6s 505 3-145
IDC IX 04 12 12 54.5–.77 16.90N 85.49W 0 4.4,4.2 **¶601674435**
ISCJB IX 04 12 12 56.4–.29 17.13N–.03 85.59W–.03 10 4.5b,3.5s
NEIC IX 04 12 12 56.6–.30 16.94N 85.55W 10 4.6b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=15.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=135.9.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.7km az=147.0. Felt on Guanaja and Roatan.
ISC X 24 17 55 58.6–.33 17.84N–.04 81.71W–.05 22–2 5.3b,4.5s 1228 7-165
IDC X 24 17 55 54.8–.39 17.79N 81.68W 0 4.8,4.8 **¶601846009**
MOS X 24 17 55 56.5–.98 17.81N 81.76W 17 5.5b,4.6s
ISCJB X 24 17 55 58.4–.11 17.93N–.01 81.70W–.02 28 5.2b,4.5s
GCMT X 24 17 55 58.0–.10 17.98N–.01 81.73W–.01 12 5.2W,4.5s
NEIC X 24 17 55 60.0–.13 17.79N 81.69W 28 5.4b,4.5s
BJI X 24 17 56 00.9 17.80N 81.70W 33 5.4b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=9.5km az=56.0.
MOS Error ellipse: s-maj=5.6km s-min=4.2km az=99.4.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=144.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c112; s130,c224;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82±.01 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$0.78±.01; $M_{r\theta}$0.02±.03; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$0.01±.03; Best double couple: NP1:ϕ_s183.00000°,δ45.00000°,λ-88.00000°. NP2:ϕ_s360.00000°,δ45.00000°,λ-92.00000°. Principal axes: T 0.7810,Plg0.0000° ,Azm271.0000°; N 0.0450,Plg2.0000°,Azm1.0000°; P -0.8260,Plg88.0000°,Azm166.0000° $M_0$0.80300×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=223.0.
IDC X 24 18 06 48.9–12 17.31N 82.16W 0 3.8,3.3 ¶601999517
IDC Error ellipse: s-maj=621.5km s-min=58.6km az=51.0.
IDC X 24 18 37 26.5–14 17.27N 82.20W 0 4.0,3.5 ¶601999521
IDC Error ellipse: s-maj=707.5km s-min=56.0km az=51.0.
ISC XI 01 15 30 47.9–.38 16.99N–.03 85.56W–.04 10 4.8b,3.9s 452 4-145
ISCJB XI 01 15 30 46.8–.19 16.98N–.02 85.49W–.02 10 4.7b,3.9s **¶601867667**
IDC XI 01 15 30 46.4–1.2 16.76N 85.43W 0 4.4,4.1L
NEIC XI 01 15 30 48.6–.20 16.96N 85.50W 10 4.7b,4.1L
UCR XI 01 15 30 50.2–1.6 17.00N 85.58W 33 4.7b,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=13.6.
IDC Error ellipse: s-maj=34.0km s-min=19.0km az=12.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=3.1km az=74.0. Felt at Guanaja and Jonesville.
UCR Error ellipse: s-maj=10.3km s-min=23.3km az=-1.0.
ISC XII 11 15 30 16.4–.88 18.74N–.05 81.30W–.07 10 17 1-15
ISCJB XII 11 15 30 14.8–.68 18.71N–.05 81.41W–.06 10 **¶602037004**
NEIC XII 11 15 30 17.2–1.9 18.73N 81.38W 12–15 4.1b
JSN XII 11 15 30 22.2–1.2 18.95N 80.99W 16 4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=7.2km az=14.9.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=8.6km az=199.0. Felt [III] at George Town. Also felt at Half Way Pond.
JSN Error ellipse: s-maj=6.9km s-min=11.6km az=-1.0.

SEISMIC REGION 8.
Andean South America.

(102) Near west coast of Colombia.

ISC VII 04 20 02 22.8–.76 6.96N–.04 77.58W–.05 19 3.5b 27 1-146
ISCJB VII 04 20 02 21.0–.48 6.96N–.04 77.59W–.03 19 3.4b,3.1s **¶601663489**
IDC VII 04 20 02 21.1–1.1 7.26N 77.62W 0 4.0,3.9
RSNC VII 04 20 02 22.5–.75 6.92N 77.59W 18–6 4.2W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=41.8.
IDC Error ellipse: s-maj=33.2km s-min=25.9km az=49.0.
RSNC Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
ISC VII 29 08 01 13.1–1.8 2.89N–.06 77.99W–.09 59–17 18 0-3
ISCJB VII 29 08 01 12.6–1.1 2.89N–.06 78.00W–.08 62–13 **¶604710798**
RSNC VII 29 08 01 13.6–.95 2.85N 77.74W 0–7 3.3L
IGQ VII 29 08 01 16.3–1.5 3N–11 78W–46 20 4.0
ISC Event type ke.
ISCJB Event type ke.
RSNC VIII 23 11 46 47.6–.85 2.42N 78.06W 0–5 3.5W,2.4L ¶604711716
RSNC Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0.
ISC IX 22 03 06 36.2–1.6 5.37N–.03 77.45W–.06 5–11 3.5b 31 1-146
RSNC IX 22 03 06 37.8–.90 5.34N 77.58W 6–6 3.5W,3.0L **¶601863977**
IDC IX 22 03 06 49.6–3.7 5.00N 77.04W 103–30 3.7,3.5
ISC Event type ke.
RSNC Error ellipse: s-maj=2.4km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=28.7km az=85.0.
ISC X 05 22 43 57.8–1.4 2.27N–.04 78.25W–.05 12–11 63 1-5
RSNC X 05 22 44 03.2–.92 2.40N 78.15W 74–9 3.5W,3.3L **¶604714423**
IGQ X 05 22 44 05.8–.77 2N–6.0 78W–16 12 4.3,3.3L
ISC Event type ke.
ISC X 20 16 48 27.1–1.6 3.43N–.04 77.55W–.05 8–11 3.5b 25 1-145
RSNC X 20 16 48 30.9–.69 3.34N 77.51W 0–5 3.4W,3.4L **¶601999065**
IDC X 20 16 48 37.0–4.1 3.66N 77.42W 87–39 3.5,3.4
ISC Event type ke.
RSNC Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=42.6km s-min=23.0km az=58.0.
ISC X 20 21 13 21.2–3.3 5.28N–.03 77.53W–.04 11–21 3.8b 45 1-146
RSNC X 20 21 13 23.3–.72 5.30N 77.51W 20–8 3.9L,3.8W **¶601999082**
IDC X 20 21 13 27.4–3.0 5.09N 77.34W 58–26 3.9,3.8
ISC Event type ke.
RSNC Error ellipse: s-maj=3.7km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=15.6km az=36.0.
RSNC XI 06 07 23 56.6–1.4 6.98N 77.57W 21–5 3.9W,3.4L ¶604715438
RSNC Error ellipse: s-maj=3.7km s-min=4.6km az=-1.0.
RSNC XI 12 14 07 52.2–1.3 6.27N 77.57W 11–4 3.9W,3.0L ¶604715654
RSNC Error ellipse: s-maj=5.6km s-min=6.0km az=-1.0.
ISC XI 27 10 29 36.4–.71 6.02N–.05 77.76W–.06 35 3.5b 26 0-146
ISCJB XI 27 10 29 34.5–.42 6.04N–.04 77.80W–.04 33 3.5b **¶602390056**
RSNC XI 27 10 29 35.3–1.1 6.08N 77.71W 48–12 3.6L
IDC XI 27 10 29 38.4–2.1 5.80N 77.98W 45–22 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.2km az=144.6.
RSNC Error ellipse: s-maj=6.4km s-min=10.9km az=-1.0.
IDC Error ellipse: s-maj=31.8km s-min=14.8km az=47.0.

(103) Colombia.

RSNC VII 17 14 19 02.6–.88 2.86N 74.82W 4–4 3.5W,3.3L ¶604710324
RSNC Error ellipse: s-maj=4.3km s-min=2.5km az=-1.0.
RSNC VII 21 12 00 56.1–.91 5.77N 76.04W 23–3 3.6L,3.4W ¶604710472
RSNC Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
ISC VII 31 01 26 37.7–.57 4.54N–.03 75.99W–.03 44–5 4.5b,3.4s 358 0-95
ISCJB VII 31 01 26 38.2–.26 4.54N–.02 75.95W–.03 66–3 4.4b,3.4s **¶601497418**

NEIC VII 31 01 26 39.8–.37 4.56N 75.92W 63–4 4.5b,4.2L
RSNC VII 31 01 26 39.0–1.2 4.55N 75.99W 17–4 4.2W,4.2L
IDC VII 31 01 26 41.5–1.4 4.50N 75.89W 88–12 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.6km az=7.5.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=76.0. Felt [IV] at Armenia and Pereira and [II] at Cali. Also felt at Bogota, Calarca, Manizales and Marsella.
RSNC Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=14.0km s-min=10.6km az=58.0.
RSNC VIII 10 02 43 09.2–.77 3.87N 76.17W 154–4 3.6W,3.0L ¶604711261

RSNC Error ellipse: s-maj=2.6km s-min=4.1km az=-1.0.
ISC VIII 11 11 41 49.4–.75 5.84N–.04 76.89W–.05 23–5 3.7b 30 1-145
RSNC VIII 11 11 41 50.8–.93 5.79N 76.85W 4–6 3.6W,3.5L **¶601765749**
IDC VIII 11 11 41 52.0–.86 5.93N 76.92W 40–6 3.9,3.8
ISC Event type ke.
RSNC Error ellipse: s-maj=3.7km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=29.5km s-min=16.3km az=32.0.
ISC VIII 20 20 17 39.3–1.3 5.45N–.04 73.31W–.04 6–9 3.8b,3.2s 39 0-149
RSNC VIII 20 20 17 39.7–1.0 5.43N 73.21W 14–6 4.2W,4.1L **¶601736126**
ISCJB VIII 20 20 17 40.1–.69 5.48N–.03 73.24W–.04 24–6 3.8b,3.2s
NEIC VIII 20 20 17 43.6–.96 5.47N 73.30W 43–10 4.0b,3.2s
IDC VIII 20 20 17 44.6–1.1 5.40N 73.37W 50–11 4.0L,3.9
ISC Event type se.
RSNC Error ellipse: s-maj=3.6km s-min=6.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.3km az=27.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.3km az=223.0.
IDC Error ellipse: s-maj=15.0km s-min=8.7km az=138.0.
RSNC VIII 31 07 00 00.1–.70 2.34N 72.37W 54–7 3.6W,3.4L ¶604711956

RSNC Error ellipse: s-maj=12.7km s-min=16.1km az=-1.0.
RSNC IX 01 00 10 32.0–.96 5.22N 74.79W 13–6 3.2W,2.4L ¶604711977

RSNC Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
ISC IX 01 06 39 11.2–.87 4.99N–.05 72.84W–.05 44 3.4b 26 1-150
RSNC IX 01 06 39 09.4–1.0 5.00N 72.92W 0–14 3.7W,3.1L **¶601862702**
ISCJB IX 01 06 39 10.5–.63 5.01N–.05 72.85W–.05 44 3.5b,3.1s
IDC IX 01 06 39 13.3–1.7 5.08N 72.86W 63–14 3.7,3.6
ISC Event type ke.
RSNC Error ellipse: s-maj=4.7km s-min=5.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.1km az=137.2.
IDC Error ellipse: s-maj=23.9km s-min=9.8km az=142.0.
RSNC IX 03 10 19 30.6–.78 2.97N 76.83W 94–8 3.6W,2.6L ¶604712050

RSNC Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0.
RSNC IX 04 07 02 15.8–.88 3.73N 76.06W 26–6 2.1L ¶604712078

RSNC Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
RSNC IX 06 23 46 57.6–1.2 4.42N 73.72W 0–8 3.7W,3.7L ¶604712179

RSNC Error ellipse: s-maj=4.6km s-min=9.3km az=-1.0.
RSNC IX 11 06 12 32.5–.86 5.28N 73.76W 138–5 3.7W,3.5L ¶604713061

RSNC Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
ISC IX 21 17 19 03.3–1.1 5.28N–.05 73.73W–.04 157–8 34 1-149
IDC IX 21 17 19 03.4–1.9 5.44N 73.78W 164–18 3.4,2.8 **¶601863963**
ISCJB IX 21 17 19 04.5–.92 5.30N–.04 73.74W–.04 145–8 3.4,2.8
RSNC IX 21 17 19 05.7–.74 5.29N 73.76W 139–4 3.1L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=782.4km s-min=14.1km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=42.6.
RSNC Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
RSNC IX 26 14 16 53.3–.65 4.39N 73.80W 1–4 3.5W,3.4L ¶604714153

RSNC Error ellipse: s-maj=2.9km s-min=3.9km az=-1.0.
ISC IX 27 21 43 07.7–.79 2.73N–.05 76.88W–.05 130–6 3.5b 39 0-145
ISCJB IX 27 21 43 07.5–.49 2.76N–.04 76.89W–.04 131–4 3.5b **¶601864312**
RSNC IX 27 21 43 08.7–.81 2.74N 76.88W 125–4 3.8W,3.5L
IDC IX 27 21 43 11.1–4.3 2.74N 76.48W 171–38 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=137.3.
RSNC Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=50.5km s-min=33.1km az=50.0.
ISC IX 30 16 31 34.1–.23 1.91N–.02 76.37W–.02 155–1 6.8b 3546 0-178
UCR IX 30 16 31 31.4–2.0 1.75N 76.29W 124–20 7.0b **¶601768557**
MOS IX 30 16 31 32.5–.85 1.98N 76.42W 148 6.9b
BJI IX 30 16 31 33.2 1.98N 76.36W 165 7.0b
IDC IX 30 16 31 33.5–1.4 1.99N 76.31W 143–12 6.6,6.4
RSNC IX 30 16 31 34.4–1.5 1.97N 76.56W 172–9 7.1W,6.4L
IGQ IX 30 16 31 34.4–1.3 2N–11 77W–11 228–8 5.7,6.4L
ISCJB IX 30 16 31 34.5–.13 1.997N–.01 76.42W–.01 166–1 6.8b,6.4L
NEIC IX 30 16 31 34.0–.00 1.87N 75.81W 160 6.8b,6.4L
NEIC IX 30 16 31 36.0–.08 1.93N 76.36W 170 7.3W,7.2W
GCMT IX 30 16 31 44.0–.10 1.89N–.01 76.22W–.01 159–0 7.2W,7.2W
NEIC IX 30 16 31 58.7–.00 2.05N 75.44W 147 7.2W,7.2W
ISC Event type fe.
UCR Error ellipse: s-maj=30.7km s-min=9.7km az=-1.0.
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=93.4.
IDC Error ellipse: s-maj=8.3km s-min=6.6km az=63.0.
RSNC Error ellipse: s-maj=5.6km s-min=6.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=156.9.
NEIC Event type se. Moment Tensor Solution. s99 Moment tensor: Scale 10^{19}Nm; M_{rr}-7.86 $M_{\theta\theta}$8.04 $M_{\phi\phi}$-0.17 $M_{r\theta}$-2.87 $M_{\theta\phi}$4.59 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s79.00000° ,δ54.00000°,λ-72.00000°. NP2:ϕ_s231.00000°,δ39.00000°,λ-112.00000°. Principal axes: T 10.4000,Plg7.0000°,Azm156.0000°; N -1.8000,Plg14.0000°,Azm248.0000° ; P -8.6000,Plg73.0000°,Azm39.0000° $M_0$9.60000×10^{19}
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=44.0. Felt [V] at Dos Quebradas and Palmira; [IV] at Armenia, Cali, Cartago, Envigado, Jamundi, La Vega, Manizales, Medellin, Pasto, Pereira, Popayan and San Agustin; [III] at Bogota, Pasca and Santa Isabel. Also felt [IV] at Bahia de Caraquez and [III] at Guayaquil and Quito, Ecuador. Felt in much of southwestern Colombia and northern and central Ecuador. Also felt in parts of Panama. Complex earthquake observed on broadband displacement seismograms, with at least 2 large subevents occurring about 4 and 8 seconds after the onset. Depth from broadband displacement seismograms based on first event. Apparent Stress 0.31 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s85 Moment tensor: Scale 10^{19} Nm; M_{rr}-6.20 $M_{\theta\theta}$5.62 $M_{\phi\phi}$0.58 $M_{r\theta}$-4.31 $M_{\theta\phi}$4.02 $M_{\phi r}$0.24 Best double couple: NP1: ϕ_s220.00000°,δ35.00000°,λ-124.00000°. NP2:ϕ_s79.00000°,δ62.00000°,λ-69.00000°. Principal axes: T 8.7700,Plg14.0000°,Azm154.0000°; N -0.8800,Plg18.0000°,Azm249.0000° ; P -7.8900,Plg66.0000°,Azm29.0000° $M_0$8.40000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s67.00000°,δ61.00000°,λ-82.00000°. NP2: ϕ_s230.00000°,δ30.00000°,λ-105.00000°. Principal axes: T Plg16.0000°,Azm151.0000° ; N Plg0.0000°,Azm0.0000°; P Plg73.0000°,Azm358.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c405; s149,c744; Duration: 10s1 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.76±.00 $M_{\theta\theta}$0.76±.00; $M_{\phi\phi}$0.00±.00; $M_{r\theta}$-0.28±.00; $M_{\theta\phi}$0.42±.00; $M_{\phi r}$0.06±.00; Best double couple: NP1:ϕ_s80.00000°,δ54.00000° ,λ-73.00000°. NP2:ϕ_s231.00000°,δ39.00000°,λ-113.00000°. Principal axes: T 0.9730,Plg8.0000°,Azm157.0000°; N -0.1460,Plg14.0000°,Azm249.0000° ; P -0.8280,Plg74.0000°,Azm39.0000° $M_0$0.90100×10^{20}
NEIC Event type se. Moment Tensor Solution. s148 Moment tensor: Scale 10^{19}Nm; M_{rr}-7.38 $M_{\theta\theta}$7.28 $M_{\phi\phi}$0.10 $M_{r\theta}$-2.78 $M_{\theta\phi}$4.08 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s229.00000° ,δ40.00000°,λ-115.00000°. NP2:ϕ_s81.00000°,δ55.00000°,λ-71.00000°. Principal axes: T 9.4200,Plg8.0000°,Azm157.0000°; N -1.2300,Plg16.0000°,Azm249.0000° ; P -8.2000,Plg73.0000°,Azm42.0000° $M_0$8.80000×10^{19}
ISC X 07 00 07 34.7–.69 4.78N–.03 76.29W–.04 117–5 3.7b 63 0-147
ISCJB X 07 00 07 34.2–.30 4.79N–.02 76.31W–.03 123–3 3.7b **¶601795065**
RSNC X 07 00 07 36.0–.95 4.78N 76.33W 106–6 3.8L,3.6W
IDC X 07 00 07 37.3–1.3 4.78N 76.07W 140–11 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=6.0.
RSNC Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=12.5km az=58.0.
RSNC X 11 18 40 36.3–1.2 5.33N 73.77W 150–7 3.7W,3.3L ¶604714606

RSNC Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0.
RSNC X 21 23 33 46.7–1.1 4.49N 75.97W 140–5 3.9W,3.8L ¶604714968

RSNC Error ellipse: s-maj=3.6km s-min=4.4km az=-1.0.
RSNC X 28 09 01 17.9–.65 5.20N 73.01W 0–6 3.9W,3.8L ¶604715180

RSNC Error ellipse: s-maj=2.4km s-min=2.9km az=-1.0.
RSNC XI 04 17 34 23.6–1.4 4.70N 74.62W 11–5 3.5W,3.4L ¶604715376

RSNC Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
RSNC XI 05 03 00 57.8–1.1 4.76N 74.90W 30–5 2.6W,1.4L ¶604715387

RSNC Error ellipse: s-maj=2.6km s-min=4.3km az=-1.0.
ISC XI 12 00 06 09.2–1.2 4.50N–.03 76.85W–.04 14–8 3.9b 69 1-146
RSNC XI 12 00 06 12.1–1.1 4.58N 76.79W 4–5 4.1W,3.5L **¶602389256**
IDC XI 12 00 06 18.5–2.7 4.68N 76.52W 88–24 4.0,3.9
ISC Event type ke.
RSNC Error ellipse: s-maj=2.6km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=14.2km az=64.0.
RSNC XI 28 04 35 08.9–1.5 2.79N 75.07W 0–5 4.1W,3.9L ¶604716303

RSNC Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0.
RSNC XI 29 04 39 50.7–1.5 2.04N 75.80W 2–5 3.6W,3.5L ¶604716342

RSNC Error ellipse: s-maj=2.6km s-min=2.8km az=-1.0.
ISC XI 29 15 24 24.6–1.1 5.75N–.04 73.92W–.04 120–9 35 1-149
IDC XI 29 15 24 11.2–16 6.55N 75.60W 0 3.5,3.2 **¶602390166**
ISCJB XI 29 15 24 25.0–.88 5.75N–.03 73.93W–.04 117–9 3.5,3.2
RSNC XI 29 15 24 26.4–1.2 5.73N 73.91W 104–7 3.1L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=891.8km s-min=39.3km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.6km az=21.5.
RSNC Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
ISC XII 03 12 19 43.3–1.1 5.56N–.03 72.90W–.04 19–3 36 0-150
ISCJB XII 03 12 19 43.0–1.1 5.57N–.03 72.80W–.04 3–7 3.2b,3.1s **¶602390392**
RSNC XII 03 12 19 45.7–1.2 5.66N 72.94W 0–3 3.5W,3.5L
IDC XII 03 12 19 47.7–1.6 5.48N 72.66W 61–15 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.2km az=23.2.
RSNC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=8.2km az=138.0.
ISC XII 09 21 25 59.2–.67 2.41N–.05 76.23W–.05 10 3.2b 19 0-145
IDC XII 09 21 25 57.8–1.3 2.23N 76.04W 0 3.6,3.4 **¶602390934**
ISCJB XII 09 21 25 59.2–.45 2.45N–.04 76.31W–.03 10 3.2b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 10 10 50 47.2–1.0 2.17N–.02 76.05W–.03 8–7 3.7b 101 0-145
RSNC XII 10 10 50 48.2–1.6 2.19N 76.08W 4–9 4.1L,4.0W **¶602355580**
IGQ XII 10 10 50 50.2–1.5 2N–16 75W–10 25 5.3,4.0W
NEIC XII 10 10 50 52.4–.71 2.17N 76.04W 54–8 4.3b,4.0W
IDC XII 10 10 50 52.1–2.2 2.19N 76.01W 52–22 4.0L,3.7
ISC Event type se.
RSNC Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=87.0.
IDC Error ellipse: s-maj=24.4km s-min=14.0km az=99.0.

(104) Off coast of Ecuador.

IGQ VII 11 08 31 44.9–1.6 2S–8.0 81W–11 10 4.2 ¶604763857

ISC VII 30 03 23 10.3–.56 1.15N–.07 85.32W–.06 35 3.8b,3.3s 72 5-142
IDC VII 30 03 23 05.6–.88 1.16N 85.45W 0 4.1,4.0 **¶601650757**
NEIC VII 30 03 23 07.7–.41 1.25N 85.35W 10 4.2b,4.0
ISCJB VII 30 03 23 08.9–.41 1.23N–.05 85.24W–.04 33 3.8b,3.3s
IGQ VII 30 03 23 14.0–.76 1N–8.0 85W–6.0 10 5.0b,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 24 16 08 24.2–3.0 0.56S–.05 81.0W–.20 6–15 62 0-6
IGQ VIII 24 16 08 29.2–.75 1S–3.0 81W–6.0 7 4.7 **¶604763873**
ISC Event type ke.
ISC IX 09 05 41 02.6–2.8 1.93N–.10 80.0W–.20 35 14 2-5
IGQ IX 09 05 41 05.3–1.3 2N–10 80W–8.0 10 4.2 **¶604763882**
ISC Event type ke.
ISC X 04 00 23 45.2–.82 1.59S–.06 81.64W–.08 35 4.0b,3.5s 73 2-139
IGQ X 04 00 23 40.4–.97 2S–7.0 82W–7.0 10 4.7,4.7 **¶601838463**
ISCJB X 04 00 23 43.2–.62 1.62S–.04 81.66W–.05 33 3.9b,3.4s
NEIC X 04 00 23 46.0–.00 1.64S 81.26W 6 4.6,4.1b
IDC X 04 00 23 46.1–3.2 1.79S 81.87W 46–34 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=6.0km az=4.9.
NEIC Event type se. After IGQ.
IDC Error ellipse: s-maj=31.3km s-min=17.9km az=51.0.
GCMT X 12 15 11 20.0–.50 1.39N–.03 85.29W–.03 25–1 4.8W ¶606347886

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s25,c27; s61,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.12 $M_{\theta\theta}$0.61±.10; $M_{\phi\phi}$-0.75±.13; $M_{r\theta}$-0.22±.17; $M_{\theta\phi}$1.68±.08; $M_{\phi r}$1.20±.25; Best double couple: NP1:ϕ_s191.00000°,δ86.00000° ,λ-149.00000°. NP2:ϕ_s98.00000°,δ59.00000°,λ-4.00000°. Principal axes: T 1.9090,Plg19.0000°,Azm320.0000°; N 0.4790,Plg59.0000°,Azm197.0000° ; P -2.3890,Plg24.0000°,Azm59.0000° $M_0$2.14900×10^{16}
IGQ X 31 11 29 20.0–.65 1N–4.0 80W–5.0 10 4.0 ¶604763902

ISC XI 13 01 56 43.3–.94 1.83S–.04 81.65W–.04 23–6 5.1b,4.1s 949 1-179
IDC XI 13 01 56 39.8–.47 1.72S 81.70W 0 4.9,4.9 **¶601890528**
GCMT XI 13 01 56 41.8–.20 1.86S–.01 81.72W–.01 12 5.1W,4.9
ISCJB XI 13 01 56 44.2–.43 1.69S–.02 81.63W–.02 39–3 5.0b,4.2s
MOS XI 13 01 56 44.4–.92 1.68S 81.63W 38 5.2b,4.2s
IGQ XI 13 01 56 44.5–.51 2S–2.0 81W–4.0 7–4 5.4,5.4
BJI XI 13 01 56 45.5 1.80S 81.60W 30 5.4b,5.4s
NEIC XI 13 01 56 46.8–.44 1.74S 81.58W 47–4 5.2,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=10.3km az=57.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c79; s110,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.36±.09 $M_{\theta\theta}$0.45±.07; $M_{\phi\phi}$4.92±.10; $M_{r\theta}$1.53±.30; $M_{\theta\phi}$0.87±.08; $M_{\phi r}$1.36±.30; Best double couple: NP1:ϕ_s202.00000°,δ55.00000°,λ-77.00000°. NP2:ϕ_s360.00000°,δ37.00000°,λ-108.00000°. Principal axes: T 5.3360,Plg9.0000° ,Azm283.0000°; N 0.5280,Plg11.0000°,Azm15.0000°; P -5.8550,Plg76.0000°,Azm155.0000° $M_0$5.59500×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=147.5.
MOS Error ellipse: s-maj=11.5km s-min=5.4km az=113.7.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=57.0. Felt at Bahia de Caraquez, Guayaquil, Manta, Puerto Lopez and Salinas.
IGQ XI 13 07 27 39.4–.89 2S–4.0 81W–8.0 10–4 4.1 ¶604763906

IDC XI 14 04 54 02.1–1.4 1.68N 84.80W 0 4.0,3.7 ¶602389370

IDC Error ellipse: s-maj=91.4km s-min=19.8km az=53.0.
IDC XI 14 05 04 10.9–1.4 1.78N 84.75W 0 4.0,3.8 ¶602389371

IDC Error ellipse: s-maj=49.9km s-min=21.7km az=55.0.
ISC XI 14 05 06 00.4–1.3 1.6N–.10 84.8W–.10 35 3.8b 12 6-77
IDC XI 14 05 05 55.8–1.6 1.65N 84.83W 0 4.1,3.9 **¶602389372**
ISCJB XI 14 05 05 59.2–1.1 1.8N–.10 84.67W–.10 33 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XI 14 05 06 18.2–1.2 1.8N–.20 84.5W–.20 35 3.9b 11 8-86

GCMT XI 14 05 06 11.0–.50 1.70N–.03 84.93W–.05 18–1 4.8W ¶602389375
IDC XI 14 05 06 12.7–1.3 1.74N 84.64W 0 4.2,4.0
ISCJB XI 14 05 06 16.8–.90 1.9N–.10 84.4W–.10 33 3.9b,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s62,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.89±.19 $M_{\theta\theta}$2.04±.14; $M_{\phi\phi}$-0.14±.12; $M_{r\theta}$0.35±.27; $M_{\theta\phi}$-0.09±.07; $M_{\phi r}$1.10±.31; Best double couple: NP1:ϕ_s248.00000°,δ55.00000°,λ-122.00000°. NP2:ϕ_s115.00000°,δ46.00000°,λ-53.00000°. Principal axes: T 2.0720,Plg5.0000°,Azm360.0000°; N 0.3850,Plg25.0000°,Azm267.0000°; P -2.4500,Plg64.0000°,Azm100.0000° $M_0$2.26100×10^{16}
ISCJB Event type ke.
ISC XI 14 05 12 43.0–.92 1.6N–.10 84.7W–.10 35 3.9s,3.7b 24 6-82
IDC XI 14 05 12 38.1–1.0 1.66N 84.80W 0 4.1,4.0s ¶602389376
ISCJB XI 14 05 12 41.3–.73 1.74N–.09 84.59W–.06 33 3.9s,3.6b
GCMT XI 14 05 12 43.0–.40 1.70N–.02 84.83W–.04 13–1 4.8W,3.6b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s13,c16; s68,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.97±.17 $M_{\theta\theta}$1.95±.12; $M_{\phi\phi}$0.02±.10; $M_{r\theta}$0.96±.27; $M_{\theta\phi}$-0.06±.07; $M_{\phi r}$0.94±.35; Best double couple: NP1:ϕ_s250.00000°,δ61.00000°,λ-111.00000°. NP2:ϕ_s109.00000°,δ35.00000°,λ-57.00000°. Principal axes: T 2.1850,Plg14.0000°,Azm355.0000°; N 0.3530,Plg18.0000°,Azm261.0000°; P -2.5320,Plg67.0000°,Azm120.0000° $M_0$2.35800×10^{16}
ISC XII 11 17 13 22.9–.46 1.77S–.04 81.64W–.06 35 4.3b 119 1-147
IDC XII 11 17 13 18.1–.64 1.60S 81.65W 0 4.3,4.2 ¶602355588
ISCJB XII 11 17 13 21.2–.27 1.74S–.03 81.63W–.03 33 4.2b,3.5s
IGQ XII 11 17 13 23.7–.87 2S–4.0 81W–8.0 10–5 5.5,5.5
NEIC XII 11 17 13 24.5–.66 1.71S 81.58W 50–6 4.4b,5.5
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=13.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.3km az=144.2.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=61.0.

(105) Near coast of Ecuador.

IGQ VII 03 21 58 40.9–1.0 1S–3.0 81W–6.0 13–6 4.0 ¶604763852
IGQ VII 10 15 21 15.9–.52 2S–4.0 80W–4.0 49–6 4.5 ¶604763853
IGQ VII 25 17 55 13.9–.71 3S–5.0 81W–4.0 10 4.3 ¶604763864
ISC VII 30 05 19 44.7–1.6 1.92S–.04 80.86W–.05 27–11 4.8b,4.1s 898 1-149
IDC VII 30 05 19 40.5–.50 1.87S 80.80W 0 4.6,4.5 ¶601485570
ISCJB VII 30 05 19 43.6–.17 1.94S–.02 80.92W–.01 33 4.8b,4.1s
IGQ VII 30 05 19 44.1–.60 2S–3.0 81W–4.0 10 5.3,5.3
GCMT VII 30 05 19 46.9–.30 2.01S 80.99W 24–1 5.0W,5.3
NEIC VII 30 05 19 46.9–.50 1.90S 80.75W 47–4 4.9W,4.8b
BJI VII 30 05 19 47.2 1.90S 80.70W 30 5.3b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=10.7km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=8.8.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s23,c28; s84,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.28±.14 $M_{\theta\theta}$2.85±.10; $M_{\phi\phi}$-3.12±.13; $M_{r\theta}$0.66±.12; $M_{\theta\phi}$-0.41±.08; $M_{\phi r}$-1.69±.19; Best double couple: NP1:ϕ_s319.00000°,δ87.00000°,λ-29.00000°. NP2:ϕ_s51.00000°,δ61.00000°,λ-177.00000°. Principal axes: T 3.1250,Plg18.0000°,Azm9.0000°; N 0.7040,Plg61.0000°,Azm134.0000°; P -3.8200,Plg22.0000°,Azm271.0000° $M_0$3.47200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=59.0. Felt [IV] at Guayaquil, Jipijapa and Salinas. Also felt at Cuenca, La Libertad, Manta, Pajan, Samborondon and Santa Elena.
IGQ VIII 13 04 49 07.5–.96 1S–4.0 81W–8.0 12 4.4 ¶604763869
IGQ VIII 13 06 02 45.3–.63 0N–3.0 80W–4.0 10 4.1 ¶604763870
IGQ VIII 15 17 02 20.2–.99 4S–7.0 80W–11 12 4.5 ¶604763872
ISC VIII 30 23 00 32.5–.62 3.40S–.08 79.74W–.08 37 4.6b 182 1-165
ISCJB VIII 30 23 00 32.5–.29 3.33S–.03 80.02W–.03 33 4.6b ¶601664244
IGQ VIII 30 23 00 35.3–2.0 3S–8.0 80W–8.0 9–7 5.0
NEIC VIII 30 23 00 39.3–.51 3.01S 79.43W 82–5 4.9L,4.6b
IDC VIII 30 23 00 39.4–2.2 3.06S 79.43W 87–22 4.4,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=140.4.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=62.0. Felt at Cuenca, Machala and Zaruma.
IDC Error ellipse: s-maj=23.1km s-min=14.2km az=51.0.
IGQ VIII 31 05 16 08.0–1.7 1S–6.0 81W–18 9–7 4.1 ¶604763878
ISC IX 09 01 14 32.9–4.2 2.9S–.20 80.1W–.10 48 54 1-10
IGQ IX 09 01 14 34.3–.60 3S–5.0 80W–5.0 10 4.8 ¶604763880
ISC Event type ke.
ISC IX 09 05 30 54.7–2.6 1.93N–.09 79.8W–.10 35 29 2-5
IGQ IX 09 05 30 56.5–.96 2N–9.0 80W–6.0 10 4.0 ¶604763881
ISC Event type ke.
IGQ IX 12 19 03 32.4–1.5 3S–11 80W–9.0 46–5 4.0 ¶604763884
RSNC IX 14 21 22 11.6–.66 1.90N 79.16W 1–8 3.5W,2.3L ¶604713180
RSNC Error ellipse: s-maj=4.2km s-min=8.4km az=-1.0.
ISC IX 21 01 11 12.2–2.9 1.87N–.10 79.6W–.10 6–16 45 1-4
RSNC IX 21 01 11 06.7–.92 2.26N 80.12W 32–20 3.6L,3.5W ¶604713681
IGQ IX 21 01 11 13.9–.92 2N–8.0 80W–9.0 5 4.3,3.5W
ISC Event type ke.
ISC IX 23 05 49 57.5–.64 3.40S–.06 79.44W–.09 82 3.9b 59 1-147
ISCJB IX 23 05 49 56.0–.54 3.46S–.03 79.53W–.08 82 3.9b ¶601864026
IDC IX 23 05 49 57.6–2.9 3.31S 79.38W 78–30 4.0,3.8
IGQ IX 23 05 49 59.2–.90 3S–6.0 80W–7.0 45–18 4.6,3.8
ISC Event type ke.
ISCJB Event type ke.
IGQ IX 24 00 27 52.3–.79 3S–5.0 80W–5.0 7–2 4.1 ¶604763887
ISC X 09 08 55 48.6–2.8 2.4S–.10 80.7W–.10 10 60 1-7
IGQ X 09 08 55 50.0–.53 3S–5.0 81W–3.0 7 4.7 ¶604763892
ISC Event type ke.
IGQ X 13 11 38 32.4–.48 2S–5.0 80W–3.0 20–5 4.5 ¶604763893
IGQ X 17 10 46 23.2–1.7 2S–8.0 81W–13 12 4.0 ¶604763897
ISC X 28 04 13 32.2–.89 2.32S–.05 79.91W–.08 63–7 4.5b 94 0-151
ISCJB X 28 04 13 32.3–.57 2.33S–.03 79.87W–.06 78–5 4.3b ¶601853273
IGQ X 28 04 13 32.5–.62 2S–5.0 80W–4.0 32–4 4.9
NEIC X 28 04 13 34.1–.82 2.23S 79.76W 78–8 4.7b
IDC X 28 04 13 34.5–2.1 2.25S 79.76W 84–21 4.4,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.3km az=0.2.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.4km az=75.0. Felt at Cuenca, Daule, Eloy Alfaro, Guayaquil, Manta and Pillate.
IDC Error ellipse: s-maj=18.8km s-min=13.9km az=63.0.
IGQ X 28 12 46 13.9–.65 2S–4.0 79W–3.0 91–5 4.1 ¶604763900
IGQ XI 13 09 09 41.3–.74 2S–4.0 81W–6.0 10 4.2 ¶604763907
ISC XII 10 00 40 29.4–1.3 1.36S–.05 80.65W–.10 11 21 1-7
ISCJB XII 10 00 40 31.2–1.0 1.34S–.07 80.7W–.10 11 ¶604763914
IGQ XII 10 00 40 31.6–.58 1S–5.0 81W–6.0 12 4.7
ISC Event type ke.
ISCJB Event type ke.
IGQ XII 22 13 40 26.3–.74 3S–8.0 80W–4.0 11–3 4.0 ¶604763975

(106) Colombia-Ecuador border region.

ISC IX 13 18 13 47.2–.49 1.92N–.03 78.91W–.04 27 4.1b 105 0-160
RSNC IX 13 18 13 42.7–.76 2.00N 79.18W 13–5 4.4W,4.2L ¶601829103
NEIC IX 13 18 13 43.8–.59 1.81N 79.22W 10 4.3b,4.2L
ISCJB IX 13 18 13 45.5–.38 2.07N–.03 79.02W–.04 27 4.0b,4.2L
IDC IX 13 18 13 46.3–.70 2.47N 79.28W 0 4.3,4.1
IGQ IX 13 18 13 49.6–1.2 2N–10 79W–6.0 12 4.5,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 07 01 59 23.2–1.6 1.33N–.05 78.89W–.06 28–14 69 1-5
IGQ XI 07 01 59 25.7–.73 1N–7.0 79W–4.0 33–9 4.2 ¶604715458
RSNC XI 07 01 59 25.9–.78 1.31N 78.80W 38–999 3.7W,3.6L
ISC Event type ke.
RSNC Error ellipse: s-maj=15.5km s-min=8.3km az=-1.0.

(107) Ecuador.

ISC VII 15 06 51 23.6–.52 1.56S–.05 77.75W–.08 183–4 4.5b 497 2-163
ISCJB VII 15 06 51 23.0–.45 1.49S–.03 77.72W–.05 195–3 4.3b ¶601273557
IDC VII 15 06 51 23.9–.69 1.52S 77.61W 183–6 4.4,4.0
NEIC VII 15 06 51 23.8–.19 1.53S 77.71W 186 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.2km az=159.4.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=66.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=72.0.
ISC VII 24 01 32 59.9–1.1 0.37S–.02 77.46W–.04 19–3 75 0-143
ISCJB VII 24 01 32 59.9–.75 0.35S–.02 77.52W–.03 2–5 3.3b ¶601666350
IGQ VII 24 01 33 00.9–.35 0S–1.0 78W–3.0 12 4.0
IDC VII 24 01 33 11.6–2.5 1.31S 77.95W 128–29 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.7km az=12.9.
IDC Error ellipse: s-maj=33.2km s-min=17.3km az=89.0.
ISC VII 31 01 46 06.1–.63 1.52S–.07 77.6W–.10 181 3.4b 27 2-127
ISCJB VII 31 01 46 06.0–.47 1.56S–.04 77.63W–.10 181 3.4b ¶601650800
IDC VII 31 01 46 07.7–2.2 1.43S 77.40W 195–22 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.8km az=5.7.
IDC Error ellipse: s-maj=21.7km s-min=13.2km az=61.0.
ISC VIII 09 10 52 00.7–2.2 1.91S–.09 77.42W–.05 13–11 62 1-9
IGQ VIII 09 10 52 00.6–.57 2S–4.0 77W–3.0 12 4.3 ¶604763868
ISC Event type ke.
ISC VIII 21 07 07 45.7–.85 0.01S–.02 78.31W–.02 12–6 3.6b 97 0-142
IGQ VIII 21 07 07 45.0–.32 0S–1.0 78W–1.0 7–3 3.5,3.5 ¶601610726
ISCJB VIII 21 07 07 45.5–.28 0.02S–.02 78.30W–.02 5–3 3.7b,3.5
NEIC VIII 21 07 07 46.0–1.7 0.07S 78.56W 10 3.9,3.9b
IDC VIII 21 07 07 53.5–3.3 0.06S 78.25W 78–36 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=14.2.
NEIC Event type fe. Error ellipse: s-maj=35.8km s-min=10.6km az=85.0. Felt at Otavalo and Quito.
IDC Error ellipse: s-maj=53.0km s-min=24.6km az=88.0.
ISC IX 13 18 06 36.3–.56 1.57S–.06 77.90W–.09 150 3.8b 45 2-163
ISCJB IX 13 18 06 35.2–.59 1.67S–.06 77.79W–.09 150 4.0b ¶601863474
IDC IX 13 18 06 39.3–2.0 1.57S 77.68W 182–22 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=7.6km az=167.1.
IDC Error ellipse: s-maj=21.7km s-min=13.5km az=41.0.
IDC X 01 10 09 33.1–1.6 0.65S 77.35W 0 3.9,3.9L ¶601996381
IDC Error ellipse: s-maj=77.6km s-min=23.3km az=42.0.
ISC XI 03 14 06 08.9–1.0 1.31S–.03 78.58W–.05 14–9 36 0-4
IGQ XI 03 14 06 08.9–.30 1S–1.0 79W–3.0 4–2 3.6 ¶602895833
ISC Event type ke.
ISC XII 12 22 05 38.7–1.0 0.72S–.02 78.70W–.04 4–9 44 0-5
IGQ XII 12 22 05 38.8–.20 1S–1.0 79W–2.0 3–3 3.6 ¶602895838
ISC Event type ke.

(108) Off coast of northern Peru.

ISC IX 01 14 40 08.6–.55 8.39S–.06 80.15W–.08 39 4.3b,3.7s 36 2-152
IDC IX 01 14 40 03.1–.75 8.21S 80.09W 0 4.2,4.1 ¶601670029
ISCJB IX 01 14 40 07.4–.50 8.31S–.06 80.13W–.10 39 4.2b,3.7s
NEIC IX 01 14 40 13.2–1.1 8.28S 79.76W 74–10 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=18.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=161.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.0km az=65.0.
ISC IX 13 11 16 16.0–.93 8.12S–.09 80.2W–.10 37 4.1b,3.1s 13 2-136
ISCJB IX 13 11 16 14.1–.79 8.15S–.09 80.4W–.10 37 3.9b,3.4s ¶601863461
IDC IX 13 11 16 18.2–3.6 8.08S 80.13W 59–33 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=12.4km az=156.2.
IDC Error ellipse: s-maj=33.3km s-min=17.6km az=80.0.
ISC XII 31 09 30 50.4–.63 7.10S–.08 80.7W–.10 29 33 6-138
IDC XII 31 09 30 46.4–1.0 7.03S 80.80W 0 4.0,3.9 ¶602380482
ISCJB XII 31 09 30 48.5–.54 7.06S–.06 80.79W–.09 29 4.4b,3.9
NEIC XII 31 09 30 52.0–.89 7.08S 80.73W 44–9 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=18.9km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=151.4.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.0km az=63.0.

(109) Near coast of northern Peru.

IGQ VIII 04 02 22 48.0–.94 4S–7.0 82W–7.0 4–8 5.1b,4.8 ¶604763867
ISC VIII 09 16 14 41.9–.64 6.29S–.09 80.7W–.10 35 4.3b,4.0s 38 7-137
ISCJB VIII 09 16 14 40.5–.47 6.21S–.07 80.68W–.09 33 4.4b,3.9s ¶601533528
NEIC VIII 09 16 14 44.0–.98 6.25S 80.65W 50–11 4.4b,3.9s
IDC VIII 09 16 14 46.5–3.6 6.37S 80.69W 88–34 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.1km az=145.1.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.9km az=53.0.
IDC Error ellipse: s-maj=38.9km s-min=20.4km az=40.0.
ISC VIII 09 17 28 10.1–1.3 6.5S–.20 80.9W–.20 34 4.3b,3.7s 10 7-137
IDC VIII 09 17 28 18.1–4.0 6.25S 80.64W 97–38 4.3,4.1 ¶601765710
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=24.3km az=61.0.
ISC IX 07 12 26 03.9–.76 6.22S–.06 80.1W–.10 70 4.0b 52 2-137
ISCJB IX 07 12 26 03.0–.73 6.26S–.04 80.1W–.10 70 3.8b ¶601863115
IDC IX 07 12 26 06.8–2.0 6.20S 80.00W 90–18 3.9,3.7
IGQ IX 07 12 26 10.4–.83 6S–9.0 80W–13 33–24 5.3b,5.3b
ISC Event type ke.
ISCJB Event type ke.
ISC X 19 15 42 48.3–2.5 7.3S–.10 79.9W–.40 35 7 6-25
NEIC X 19 15 42 47.0–.00 7.48S 80.20W 30 4.3L,4.1b ¶601998952
ISC Event type fe.
NEIC Event type fe. Felt [II] at Chiclayo. After ARE.
ISC X 25 12 32 29.9–.83 8.6S–.10 78.0W–.20 150 3.3b 11 2-145
ISCJB X 25 12 32 29.0–.85 8.5S–.10 78.0W–.30 150 3.3b ¶601999605
IDC X 25 12 32 30.9–.73 8.63S 77.98W 162–6 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.7km s-min=9.7km az=160.3.
IDC Error ellipse: s-maj=33.8km s-min=8.0km az=71.0.
ISC XI 13 13 58 15.8–.93 9.96S–.09 78.9W–.20 55 3.8b 13 3-136
ISCJB XI 13 13 58 13.9–.81 10.03S–.07 79.0W–.10 55 4.0s,3.7b ¶602389347
IDC XI 13 13 58 18.9–2.0 9.87S 78.61W 84–19 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=7.3km az=152.1.
IDC Error ellipse: s-maj=40.0km s-min=8.0km az=70.0.
ISC XI 29 07 09 14.3–.32 6.67S–.04 81.13W–.05 24–1 5.5b,4.9s 1125 3-176
MOS XI 29 07 09 09.9–1.0 6.59S 81.15W 25 5.7b,4.8s ¶601995193
NEIC XI 29 07 09 12.1–.15 6.59S 81.07W 10 5.5W,5.5b

ISCJB XI 29 07 09 13.6–1.0 6.54S–.02 81.12W–.03 32–7 5.4b,4.9s
GCMT XI 29 07 09 13.1–.20 6.85S–.01 81.28W–.01 13–0 5.4W,4.9s
IGQ XI 29 07 09 15.3–2.3 7S–12 81W–19 67–43 6.1b,6.0b
BJI XI 29 07 09 15.0 6.60S 80.90W 12 5.6b,5.5s
IDC XI 29 07 09 15.1–.36 6.56S 81.06W 25–2 4.8,4.8
ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.2km az=102.8.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=65.0. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.55 $M_{\theta\phi}$0.48 $M_{\phi r}$-2.11 Best double couple: NP1:ϕ_s164.00000°,δ75.00000°,λ95.00000°. NP2:ϕ_s326.00000°,δ15.00000°,λ73.00000°. Principal axes: T 2.5000,Plg59.0000°,Azm80.0000° ; N 0.0000,Plg4.0000°,Azm343.0000°; P -2.5000,Plg30.0000°,Azm250.0000° $M_0$2.50000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=154.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c138; s106,c187;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.02 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.60±.02; $M_{r\theta}$0.30±.03; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-1.18±.07; Best double couple: NP1:ϕ_s164.00000°,δ74.00000°,λ96.00000°. NP2:ϕ_s323.00000°,δ17.00000°,λ70.00000°. Principal axes: T 1.4290,Plg60.0000° ,Azm82.0000°; N 0.0010,Plg5.0000°,Azm342.0000°; P -1.4300,Plg29.0000°,Azm249.0000° $M_0$1.42900×10^{17}
IDC Error ellipse: s-maj=13.6km s-min=9.3km az=61.0.
ISC XII 25 03 30 14.2–.74 8.81S–.07 79.7W–.10 47–6 46 4-139
ISCJB XII 25 03 30 13.0–1.7 8.78S–.06 79.6W–.10 52–16 3.8b **¶602380560**
IDC XII 25 03 30 14.2–.85 8.68S 79.48W 42–6 4.1L,3.6
NEIC XII 25 03 30 14.6–1.1 8.78S 79.63W 48–10 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=7.9km az=160.6.
IDC Error ellipse: s-maj=38.4km s-min=12.0km az=52.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.6km az=64.0.

(110) Peru-Ecuador border region.

IGQ VIII 04 03 03 25.1–1.0 5S–14 81W–21 12 4.8b,4.5b ¶604763866
ISC IX 01 07 00 14.3–.69 3.27S–.06 80.7W–.10 35 4.3b,3.6s 62 2-139
IGQ IX 01 07 00 09.5–1.2 4S–13 81W–8.0 49 4.8,4.3b **¶601684023**
IDC IX 01 07 00 09.6–1.1 3.09S 80.54W 0 4.1,3.9
ISCJB IX 01 07 00 11.8–.41 3.40S–.04 80.87W–.04 33 4.2b,3.6s
NEIC IX 01 07 00 16.2–1.3 3.40S 80.62W 64–14 4.7L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=15.6km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=164.1.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.2km az=72.0.
IGQ IX 11 05 03 07.7–.94 4S–7.0 77W–6.0 12 4.2 ¶604763883
ISC IX 15 03 57 32.0–.83 4.07S–.05 80.5W–.10 57 3.5b 31 2-138
ISCJB IX 15 03 57 30.7–.75 4.09S–.04 80.62W–.08 57 3.5b,2.9s **¶601863570**
IDC IX 15 03 57 32.1–.95 3.88S 80.30W 51–8 3.7,3.7
IGQ IX 15 03 57 33.8–.99 4S–7.0 80W–12 20 4.5,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 05 14 25.5–.42 3.91S–.04 80.39W–.07 57 4.3b 187 2-166
ISCJB IX 15 05 14 24.5–.29 4.01S–.03 80.43W–.04 57 4.2b **¶601717670**
NEIC IX 15 05 14 24.1–.34 3.92S 80.35W 35 4.3b,4.0L
IDC IX 15 05 14 29.2–2.1 3.81S 80.17W 90–21 4.0,3.8
IGQ IX 15 05 14 31.0–.77 4S–6.0 80W–8.0 48–34 5.0,5.0
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Mancora, Peru. Felt at Huaquillas, Ecuador.
ISC IX 15 09 44 59.5–.56 3.85S–.06 77.41W–.07 110 4.0b 80 2-165
ISCJB IX 15 09 44 58.8–.41 3.90S–.03 77.40W–.04 110 4.1b **¶601863580**
IDC IX 15 09 44 60.0–2.1 3.80S 77.29W 110–22 4.2,4.0
IGQ IX 15 09 45 01.3–1.0 4S–9.0 78W–8.0 81–36 4.8,4.0
ISC Event type ke.
ISCJB Event type ke.
IGQ IX 29 11 31 21.3–1.0 4S–15 81W–24 20 4.7 ¶604763888
ISC X 04 16 09 07.3–.55 2.21S–.05 77.74W–.06 143–5 3.8b 99 1-142
ISCJB X 04 16 09 07.0–.30 2.19S–.03 77.80W–.06 148–4 3.8b **¶601783851**
IGQ X 04 16 09 07.9–.54 2S–4.0 78W–5.0 134–4 4.3
IDC X 04 16 09 08.2–.77 2.06S 77.60W 147–7 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=18.4.
IDC Error ellipse: s-maj=16.7km s-min=12.6km az=78.0.
IGQ X 15 13 49 03.1–.76 4S–9.0 80W–11 12 4.5 ¶604763894
IGQ X 21 10 54 14.6–.88 4S–12 81W–11 12 4.8 ¶604763899
ISC X 22 12 56 23.0–1.5 2.86S–.04 77.82W–.04 5–10 4.2b 131 1-141
ISCJB X 22 12 56 24.0–1.6 2.95S–.05 77.77W–.04 15–12 4.0b,3.2s **¶601999275**
IDC X 22 12 56 26.2–1.2 3.17S 77.64W 0 3.9,3.9L
NEIC X 22 12 56 28.3–1.2 3.13S 77.56W 21–8 4.4,4.4b
IGQ X 22 12 56 30.3–.62 3S–4.0 78W–4.0 12 4.5,4.5
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Macas, Ecuador.
ISC XI 05 18 04 40.5–1.2 2.59S–.04 77.86W–.04 33–8 4.0b 160 1-164
IDC XI 05 18 04 35.6–.69 2.54S 77.65W 0 4.2,4.2L **¶601906479**
IGQ XI 05 18 04 40.5–.50 3S–3.0 78W–3.0 12 4.5,4.5
ISCJB XI 05 18 04 41.1–.54 2.74S–.03 77.71W–.04 51–7 4.1b,3.2s
NEIC XI 05 18 04 42.1–1.0 2.67S 77.58W 50–11 4.6b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=24.8km s-min=15.2km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.2km az=179.8.
NEIC Event type fe. Error ellipse: s-maj=15.0km s-min=8.9km az=64.0. Felt lightly at Macas, Ecuador.
ISC XI 08 17 31 52.3–.89 2.21S–.05 77.30W–.09 155–9 3.7b 57 1-142
ISCJB XI 08 17 31 52.1–.48 2.24S–.04 77.30W–.08 158–8 3.6b **¶602389042**
IGQ XI 08 17 31 52.4–.69 2S–7.0 77W–8.0 124–10 4.0
IDC XI 08 17 31 53.8–4.0 2.32S 77.27W 168–43 3.9,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.8km az=11.9.
IDC Error ellipse: s-maj=43.1km s-min=21.4km az=48.0.

(111) Northern Peru.

ISC VII 03 13 47 02.3–.26 4.12S–.04 76.14W–.04 108–2 5.1b 1269 3-165
MOS VII 03 13 47 02.8–1.0 4.00S 76.32W 120 4.9b **¶601505926**
IDC VII 03 13 47 02.4–.31 4.01S 76.19W 104–2 4.9,4.7
GCMT VII 03 13 47 03.2–.40 4.05S 76.17W 114–5 4.9W,4.7
ISCJB VII 03 13 47 03.9–.34 3.98S–.02 76.27W–.03 135–2 4.9b,4.7
NEIC VII 03 13 47 03.2–.13 4.04S 76.15W 115 5.2L,5.1b
IGQ VII 03 13 47 04.2–.28 4S–3.0 76W–5.0 123–6 5.7,5.2b
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s22,c25; s64,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.22±.16 $M_{\theta\theta}$1.78±.23; $M_{\phi\phi}$1.44±.31; $M_{r\theta}$0.45±.15; $M_{\theta\phi}$-1.32±.19; $M_{\phi r}$0.79±.22; Best double couple: NP1:ϕ_s145.00000°,δ48.00000°,λ-72.00000°. NP2:ϕ_s298.00000°,δ45.00000°,λ-109.00000°. Principal axes: T 2.9470,Plg2.0000°,Azm222.0000°; N 0.4920,Plg13.0000°,Azm312.0000° ; P -3.4380,Plg76.0000°,Azm125.0000° $M_0$3.19200×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Bagua and Nueva Cajamarca.
ISC VII 06 00 38 57.3–.64 4.13S–.07 76.86W–.09 109 3.4b 42 3-141
ISCJB VII 06 00 38 57.0–.62 4.10S–.06 76.86W–.06 109 3.4b **¶601663527**
IDC VII 06 00 38 58.2–3.7 3.96S 76.80W 109–37 3.8,3.6
IGQ VII 06 00 39 00.1–.00 4S–9.0 77W–7.0 10 4.6,4.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 31 01 07 36.3–2.7 6.67S–.04 75.43W–.06 24–19 4.6b 111 3-148
ISCJB VII 31 01 07 32.8–2.0 6.68S–.03 75.45W–.04 13–13 4.5b **¶601497417**
IDC VII 31 01 07 32.5–.48 6.61S 75.52W 0 4.3,4.2
NEIC VII 31 01 07 35.9–1.5 6.70S 75.48W 22–10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=153.9.
IDC Error ellipse: s-maj=16.4km s-min=11.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.6km az=60.0.
ISC VIII 08 19 07 12.7–.98 6.40S–.07 75.8W–.10 35 4.2b 13 6-89
IDC VIII 08 19 07 08.3–2.0 6.44S 75.83W 0 4.2b,4.1 **¶601734835**
ISCJB VIII 08 19 07 10.3–.75 6.41S–.06 75.9W–.10 33 4.1b,3.2s
NEIC VIII 08 19 07 11.9–1.1 6.51S 75.99W 35 4.4L,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=44.4km s-min=24.2km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=7.8km az=5.3.
NEIC Event type fe. Error ellipse: s-maj=22.2km s-min=11.2km az=93.0. Felt [III] at Yurimaguas.
ISC VIII 13 05 32 48.0–.47 5.70S–.04 76.83W–.05 121–4 4.9b 1237 4-167
MOS VIII 13 05 32 44.8–.93 5.57S 76.94W 101 4.9b **¶601554162**
IGQ VIII 13 05 32 45.9–.40 6S–4.0 77W–7.0 86–6 5.5b,5.5
ISCJB VIII 13 05 32 46.6–.16 5.63S–.02 76.94W–.03 124 4.9b,5.5
NEIC VIII 13 05 32 47.7–.54 5.70S 76.90W 120–4 4.9L,4.9b
IDC VIII 13 05 32 48.2–.65 5.69S 76.96W 126–5 4.7,4.4
BJI VIII 13 05 32 49.7 5.70S 76.90W 120 5.2b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=4.8km az=111.5.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=59.0. Felt [II] at Moyobamba.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=67.0.
IGQ VIII 15 10 49 17.6–2.5 5S–20 78W–25 20 4.3 ¶604763871
ISC VIII 21 04 34 21.8–.57 4.98S–.04 77.16W–.07 27–3 4.4b 130 2-148
NEIC VIII 21 04 34 22.1–1.7 4.95S 77.21W 27–12 4.5b **¶601738921**
IDC VIII 21 04 34 23.3–.73 4.95S 77.23W 36–5 4.1,4.0
IGQ VIII 21 04 34 29.9–2.1 5S–16 77W–28 87–144 4.8,4.8
ISC Event type se.
NEIC Event type se.
ISC VIII 31 00 38 26.0–.62 7.11S–.06 76.15W–.08 100 3.8b 29 2-136
ISCJB VIII 31 00 38 25.3–.49 7.18S–.04 76.06W–.06 100 4.0b **¶601755645**
IDC VIII 31 00 38 27.3–1.9 7.22S 76.26W 124–22 4.1,3.8
IGQ VIII 31 00 38 35.8–1.1 7S–9.0 76W–12 20 5.6b,5.5b
ISC Event type ke.
ISCJB Event type ke.
IGQ IX 05 02 12 08.3–.78 3S–6.0 76W–5.0 12 4.2 ¶604763879
ISC X 25 20 49 35.0–.23 5.97S–.03 76.21W–.04 22–2 5.4b,4.7s 1245 2-170
MOS X 25 20 49 33.4–.95 5.87S 76.15W 19 5.5b,4.7s **¶601848635**
NEIC X 25 20 49 35.8–.13 5.92S 76.07W 24 5.5L,5.4b
IDC X 25 20 49 35.2–.29 5.87S 76.08W 25–1 4.8,4.8
ISCJB X 25 20 49 36.1–.39 5.80S–.02 76.15W–.02 38–3 5.3b,4.7s
BJI X 25 20 49 37.0 5.90S 76.10W 20 5.5b,5.4s
GCMT X 25 20 49 37.8–.20 5.84S–.01 76.16W–.01 29–0 5.2W,5.4s
IGQ X 25 20 49 39.5–.49 6S–6.0 77W–11 120 6.0,6.0b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Yurimaguas, [III] at Moyobamba and [II] at Lamas.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c143; s111,c184;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.02 $M_{\theta\theta}$-0.76±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$-0.40±.02; $M_{\theta\phi}$0.05±.01; $M_{\phi r}$-0.15±.03; Best double couple: NP1:ϕ_s261.00000°,δ60.00000°,λ77.00000°. NP2:ϕ_s106.00000°,δ32.00000°,λ112.00000°. Principal axes: T 0.8290,Plg72.0000° ,Azm140.0000°; N 0.0280,Plg11.0000°,Azm268.0000°; P -0.8560,Plg14.0000°,Azm0.0000° $M_0$0.84200×10^{17}
ISC XI 12 14 08 33.4–.52 5.18S–.05 76.54W–.08 35 4.3b 80 3-141
IGQ XI 12 14 08 10.0–4.4 7S–29 76W–28 250–40 5.5,5.5b **¶601991783**
IDC XI 12 14 08 29.2–.76 5.17S 76.48W 0 4.2,4.0
ISCJB XI 12 14 08 31.2–.34 5.24S–.04 76.52W–.05 33 4.2b,3.9s
NEIC XI 12 14 08 33.5–.40 5.24S 76.45W 35 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=17.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.2km az=154.3.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.1km az=69.0.
IGQ XI 18 12 29 09.0–1.0 5S–8.0 80W–4.0 75–5 4.2 ¶604763909
IGQ XI 22 11 56 23.1–2.2 7S–41 77W–32 22–77 5.1b,4.5 ¶604763910
ISC XI 28 03 09 48.7–.23 4.60S–.03 76.13W–.03 122–1 5.9b 2143 3-177
BJI XI 28 03 09 45.0 4.50S 76.10W 110 5.8b **¶606632429**
ARE XI 28 03 09 45.0–.00 4.68S 76.26W 143 5.8b
MOS XI 28 03 09 47.6–.99 4.47S 76.18W 119 5.9b
IDC XI 28 03 09 48.9–.30 4.54S 76.14W 121–2 5.7,5.4
GCMT XI 28 03 09 48.7–.10 4.66S–.01 76.22W–.01 126–0 5.7W,5.4
ISCJB XI 28 03 09 48.3–.31 4.47S–.01 76.17W–.02 129–2 5.8b,5.4
NEIC XI 28 03 09 48.7–.43 4.52S 76.10W 118–3 5.9b,5.8L
NEIC XI 28 03 09 49.0–.00 4.51S 75.85W 120 5.9b,5.8L
IGQ XI 28 03 09 52.2–1.4 4S–14 77W–20 12 7.4b,7.1b
ISC Event type fe.
ARE Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c234; s130,c302; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.39±.03 $M_{\theta\theta}$-0.64±.04; $M_{\phi\phi}$4.03±.04; $M_{r\theta}$-0.93±.03; $M_{\theta\phi}$-1.27±.04; $M_{\phi r}$-0.54±.04; Best double couple: NP1:ϕ_s5.00000°,δ51.00000° ,λ-64.00000°. NP2:ϕ_s147.00000°,δ46.00000°,λ-118.00000°. Principal axes: T 4.3640,Plg2.0000°,Azm76.0000°; N -0.5890,Plg20.0000°,Azm167.0000° ; P -3.7790,Plg70.0000°,Azm340.0000° $M_0$4.07200×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Lagunas, Moyobamba and Yurimaguas. Felt at Cruzeiro do Sul, Brazil and at Cuenca and Malacatos, Ecuador. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.95 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$4.08 $M_{r\theta}$-1.04 $M_{\theta\phi}$-1.21 $M_{\phi r}$-0.50 Best double couple: NP1:ϕ_s1.00000°,δ49.00000°,λ-68.00000°. NP2:ϕ_s149.00000° ,δ46.00000°,λ-113.00000°. Principal axes: T 4.4000,Plg2.0000°,Azm75.0000° ; N -0.1100,Plg16.0000°,Azm166.0000°; P -4.2900,Plg74.0000°,Azm340.0000° $M_0$4.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$3.23 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.48 Best double couple: NP1:ϕ_s3.00000° ,δ50.00000°,λ-65.00000°. NP2:ϕ_s148.00000°,δ46.00000°,λ-116.00000°. Principal axes: T 3.4500,Plg1.0000°,Azm76.0000°; N 0.1300,Plg18.0000°,Azm167.0000° ; P -3.5800,Plg71.0000°,Azm340.0000° $M_0$3.50000×10^{17}
ISC XII 22 16 02 43.7–.32 6.02S–.05 76.59W–.07 35 4.9b,4.0s 412 4-167
IDC XII 22 16 02 38.2–.57 6.13S 76.78W 0 4.7,4.6 **¶602056319**
ISCJB XII 22 16 02 41.5–.20 5.96S–.03 76.61W–.04 33 4.8b,4.0s
ARE XII 22 16 02 41.0–.00 6.01S 76.79W 37 4.8b,4.0s
IGQ XII 22 16 02 42.1–.63 6S–5.0 77W–14 12 5.8,5.7b
NEIC XII 22 16 02 43.6–.22 6.08S 76.63W 35 4.9b,4.8L
GCMT XII 22 16 02 44.6–.40 6.03S–.02 76.75W–.03 15 5.0W,4.8L
BJI XII 22 16 02 45.1 6.10S 76.50W 45 5.4b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=11.6km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=155.4.
ARE Event type se.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.1km az=61.0. Felt [IV] at Moyobamba.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c28; s78,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.33±.13 $M_{\theta\theta}$2.02±.08; $M_{\phi\phi}$-2.35±.12; $M_{r\theta}$0.45±.29; $M_{\theta\phi}$0.55±.08; $M_{\phi r}$2.72±.43; Best double couple: NP1:ϕ_s28.00000°,δ88.00000°,λ128.00000°. NP2:ϕ_s121.00000°,δ38.00000°,λ4.00000°. Principal axes: T 2.6970,Plg36.0000° ,Azm331.0000°; N 1.3520,Plg38.0000°,Azm206.0000°; P -4.0520,Plg32.0000°,Azm87.0000° $M_0$3.37500×10^{16}

(112) Peru-Brazil border region.

ISC VII 06 12 07 30.6–.83 8.0S–.10 74.5W–.10 151 3.6b 14 5-147
ISCJB VII 06 12 07 29.2–.83 7.92S–.09 74.6W–.10 151 3.5b **¶605673249**
IDC VII 06 12 07 30.0–2.2 7.96S 74.49W 145–20 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=9.5km az=38.1.
IDC Error ellipse: s-maj=21.0km s-min=18.0km az=133.0.

ISC	**VII**	**13 10 17 55.3–.58**	**8.59S–.06**	**74.31W–.06**	**151–5**	**4.3b**	**80**	**4-153**
ISCJB	VII	13 10 17 54.2–.65	8.56S–.05	74.31W–.05	152–7	4.2b		**¶601271932**
IDC	VII	13 10 17 54.6–2.1	8.48S	74.23W	141–22	4.2,3.9		
NEIC	VII	13 10 17 55.5–.93	8.55S	74.29W	147–10	4.3b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=34.1.							
IDC	Error ellipse: s-maj=31.2km s-min=13.3km az=47.0.							
NEIC	Event type se. Error ellipse: s-maj=11.8km s-min=7.8km az=57.0.							
ISC	**VII**	**18 04 06 54.7–.38**	**8.10S–.05**	**74.37W–.06**	**153–3**	**4.6b**	**543**	**4-168**
ISCJB	VII	18 04 06 53.4–.20	7.87S–.03	74.15W–.04	153	4.5b		**¶601404415**
NEIC	VII	18 04 06 54.0–.00	8.04S	74.62W	163	4.6L,4.5b		
IDC	VII	18 04 06 55.4–.45	8.06S	74.32W	158–4	4.5,4.2		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=6.3km s-min=3.7km az=144.7.							
NEIC	Event type fe. Felt [II] at Pucallpa. After ARE.							
IDC	Error ellipse: s-maj=12.9km s-min=8.7km az=66.0.							
ISC	**VIII**	**02 09 38 31.3–.20**	**8.45S–.03**	**74.27W–.04**	**149–1**	**5.8b**	**2111**	**4-173**
MOS	VIII	02 09 38 29.9–1.1	8.35S	74.37W	143	5.7b		**¶601506103**
ISCJB	VIII	02 09 38 30.3–.37	8.37S–.01	74.35W–.02	154–3	5.8b		
BJI	VIII	02 09 38 30.5	8.40S	74.20W	143	5.8b		
NEIC	VIII	02 09 38 30.9–.32	8.41S	74.26W	145–3	6.4L,6.1W		
NEIC	VIII	02 09 38 31.0–.00	8.38S	74.14W	150	6.4L,6.1W		
GCMT	VIII	02 09 38 31.9–.10	8.58S–.01	74.36W–.01	150–0	6.0W,6.1W		
IDC	VIII	02 09 38 31.4–.24	8.41S	74.29W	148–1	5.7,5.4		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=7.1km s-min=4.3km az=104.2.							
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=153.9.							
NEIC	Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=65.0. Felt [IV] at Huanuco and Pucallpa, [III] at Trujillo and [II] at Lima. Also felt at Huacho, Laredo, Oxapampa, Quilmana, San Luis and Tingo Maria. Felt at Cruzeiro do Sul, Brazil. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.34 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.28 $M_{\phi r}$-1.10 Best double couple: NP1: ϕ_s13.00000°,δ66.00000°,λ-94.00000°. NP2:ϕ_s204.00000°,δ24.00000°,λ-80.00000°. Principal axes: T 1.5200,Plg21.0000°,Azm107.0000°; N 0.2600,Plg4.0000°,Azm15.0000° ; P -1.7800,Plg68.0000°,Azm275.0000° M_o1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s355.00000°,δ53.00000°,λ-106.00000°. NP2: ϕ_s200.00000°,δ40.00000°,λ-70.00000°. Principal axes: T Plg7.0000°,Azm96.0000° ; N Plg0.0000°,Azm0.0000°; P Plg76.0000°,Azm213.0000°							
NEIC	Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.75 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.13 Best double couple: NP1:ϕ_s12.00000° ,δ70.00000°,λ-100.00000°. NP2:ϕ_s221.00000°,δ23.00000°,λ-63.00000°. Principal axes: T 1.4300,Plg24.0000°,Azm110.0000°; N 0.1400,Plg10.0000°,Azm16.0000° ; P -1.5700,Plg63.0000°,Azm264.0000° M_o1.50000×10^{18}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c280; s137,c461; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.03±.01 $M_{\theta\theta}$0.23±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-0.95±.01; Best double couple: NP1:ϕ_s16.00000°,δ67.00000° ,λ-101.00000°. NP2:ϕ_s222.00000°,δ26.00000°,λ-66.00000°. Principal axes: T 1.4110,Plg21.0000°,Azm114.0000°; N 0.0300,Plg10.0000°,Azm20.0000° ; P -1.4360,Plg67.0000°,Azm266.0000° M_o1.42300×10^{18}							
IDC	Error ellipse: s-maj=8.2km s-min=6.2km az=69.0.							
IDC	**VIII**	**20 21 49 57.5–3.2**	**8.67S**	**74.68W**	**140–38**	**3.8,3.5**		
								¶601766221
IDC	Error ellipse: s-maj=42.9km s-min=25.9km az=18.0.							
ISC	**VIII**	**23 13 11 52.6–.78**	**8.11S–.08**	**74.42W–.08**	**151**	**3.9b**	**12**	**4-137**
ISCJB	VIII	23 13 11 52.1–.66	8.14S–.07	74.43W–.06	151	3.8b		**¶601766359**
IDC	VIII	23 13 11 53.3–1.9	8.19S	74.48W	158–26	4.1,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.4km s-min=7.9km az=5.0.							
IDC	Error ellipse: s-maj=26.2km s-min=13.4km az=54.0.							
ISC	**VIII**	**30 03 01 24.3–.33**	**8.67S–.04**	**74.89W–.05**	**129–2**	**4.8b**	**782**	**4-169**
ISCJB	VIII	30 03 01 23.6–.53	8.56S–.03	74.89W–.03	138–4	4.7b		**¶601645632**
GCMT	VIII	30 03 01 24.3–.30	8.58S–.02	74.98W–.02	150–3	5.0W		
BJI	VIII	30 03 01 24.3	8.80S	75.30W	141	5.1b		
IDC	VIII	30 03 01 24.2–.38	8.65S	75.01W	130–3	4.7,4.4		
NEIC	VIII	30 03 01 25.2–.14	8.63S	74.87W	137	4.8L,4.8b		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=146.6.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c26; s82,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.13 $M_{\theta\theta}$0.46±.14; $M_{\phi\phi}$1.47±.18; $M_{r\theta}$0.31±.09; $M_{\theta\phi}$-1.51±.12; $M_{\phi r}$-2.51±.12; Best double couple: NP1:ϕ_s346.00000°,δ71.00000°,λ-70.00000°. NP2:ϕ_s119.00000°,δ27.00000°,λ-134.00000°. Principal axes: T 3.5210,Plg23.0000° ,Azm61.0000°; N -0.2050,Plg18.0000°,Azm160.0000°; P -3.3240,Plg60.0000° ,Azm284.0000° M_o3.42300×10^{16}							
IDC	Error ellipse: s-maj=8.6km s-min=6.8km az=61.0.							
NEIC	Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=49.0. Felt [II] at Aguaytia, Pucallpa and Tingo Maria. Also felt at Cruzeiro do Sul, Brazil.							
ISC	**IX**	**02 06 41 57.5–.81**	**7.59S–.07**	**74.7W–.10**	**150**		**19**	**5-147**
ISCJB	IX	02 06 41 57.1–.63	7.61S–.05	74.81W–.07	150	3.2b		**¶601862769**
IDC	IX	02 06 41 59.4–2.1	7.83S	74.56W	159–24	3.7,3.3		
IGQ	IX	02 06 42 04.7–1.0	7S–12	75W–14	10	5.4b,4.8		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**16 13 28 55.7–.90**	**8.16S–.08**	**74.43W–.10**	**151**		**10**	**4-140**
ISCJB	IX	16 13 28 54.5–.84	8.16S–.07	74.42W–.07	151	3.0b		**¶601863652**
IDC	IX	16 13 28 54.6–2.5	8.07S	74.33W	136–31	3.7,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.5km s-min=10.1km az=178.8.							
IDC	Error ellipse: s-maj=40.0km s-min=17.3km az=41.0.							
ISC	**IX**	**23 00 40 09.1–.47**	**8.47S–.06**	**74.29W–.06**	**147**	**4.3b**	**86**	**4-145**
ISCJB	IX	23 00 40 08.4–.28	8.39S–.05	74.31W–.04	147	4.2b		**¶601737033**
NEIC	IX	23 00 40 08.6–.83	8.27S	74.20W	126–9	4.3b		
IDC	IX	23 00 40 08.8–.85	8.61S	74.34W	151–8	4.1,3.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=7.6km s-min=4.8km az=41.6.							
NEIC	Event type se. Error ellipse: s-maj=11.8km s-min=6.2km az=60.0.							
IDC	Error ellipse: s-maj=23.3km s-min=13.4km az=32.0.							
ISC	**X**	**09 23 56 33.4–.71**	**8.91S–.09**	**74.5W–.10**	**145**		**14**	**4-147**
ISCJB	X	09 23 56 31.6–.68	8.95S–.09	74.5W–.10	145			**¶601997701**
IDC	X	09 23 56 32.9–2.1	9.04S	74.44W	144–24	4.1,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=16.6km s-min=8.7km az=38.1.							
IDC	Error ellipse: s-maj=23.3km s-min=20.6km az=140.0.							
ISC	**X**	**15 16 47 21.0–.65**	**8.63S–.09**	**74.3W–.10**	**150**	**3.5b**	**16**	**4-145**
ISCJB	X	15 16 47 19.9–.65	8.57S–.08	74.29W–.10	150	3.5b		**¶601998357**
IDC	X	15 16 47 22.2–.86	8.77S	74.24W	171–9	3.9,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=15.2km s-min=8.8km az=32.2.							
IDC	Error ellipse: s-maj=19.2km s-min=15.0km az=136.0.							
ISC	**XI**	**09 12 19 06.7–.37**	**8.61S–.05**	**74.31W–.06**	**147**	**4.4b**	**102**	**4-153**
ISCJB	XI	09 12 19 05.4–.26	8.53S–.03	74.31W–.04	147	4.4b		**¶601883707**
IDC	XI	09 12 19 06.7–.66	8.56S	74.29W	143–6	4.3,3.9		
NEIC	XI	09 12 19 07.2–.71	8.60S	74.32W	152–8	4.6b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=160.2.							
IDC	Error ellipse: s-maj=13.5km s-min=9.9km az=38.0.							
NEIC	Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=78.0.							
ISC	**XI**	**16 06 05 40.1–.33**	**7.99S–.04**	**74.35W–.05**	**146–3**	**4.3b**	**195**	**4-172**
ISCJB	XI	16 06 05 39.0–.47	7.95S–.03	74.40W–.03	148–5	4.3b		**¶601906490**
IDC	XI	16 06 05 39.5–.50	7.98S	74.41W	141–4	4.4,4.1		
NEIC	XI	16 06 05 40.4–.12	7.97S	74.36W	146	4.3b,4.1		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=149.4.							
IDC	Error ellipse: s-maj=8.9km s-min=8.2km az=48.0.							
NEIC	Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=67.0. Felt at Cruzeiro do Sul, Brazil.							
ISC	**XI**	**30 16 44 48.2–.64**	**8.74S–.08**	**74.44W–.08**	**147**	**3.6b**	**18**	**4-140**
ISCJB	XI	30 16 44 47.1–.55	8.74S–.06	74.43W–.05	147	3.7b		**¶602390243**
IDC	XI	30 16 44 48.3–1.9	8.73S	74.41W	148–22	4.1,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.4km s-min=7.3km az=21.4.							
IDC	Error ellipse: s-maj=32.0km s-min=14.0km az=39.0.							
ISC	**XII**	**04 04 21 58.2–.36**	**8.94S–.04**	**74.41W–.06**	**144–3**	**4.5b**	**424**	**4-158**
ARE	XII	04 04 21 54.0–.00	8.86S	74.24W	150	4.5b		**¶601996025**
ISCJB	XII	04 04 21 58.1–.56	8.82S–.03	74.39W–.04	160–5	4.4b		
IDC	XII	04 04 21 58.4–.44	8.94S	74.41W	146–3	4.4,4.1		
NEIC	XII	04 04 21 59.0–.17	8.90S	74.37W	149	4.6L,4.5b		
ISC	Event type fe.							
ARE	Event type se.							
ISCJB	Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=159.0.							
IDC	Error ellipse: s-maj=12.0km s-min=8.7km az=65.0.							
NEIC	Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=63.0. Felt [II] at Pucallpa. Also felt at Cruzeiro do Sul, Brazil.							
ISC	**XII**	**16 14 23 22.9–.74**	**7.62S–.07**	**74.7W–.10**	**150**	**3.8b**	**13**	**5-79**
IDC	XII	16 14 23 21.6–3.3	7.55S	74.80W	141–33	3.8,3.4		**¶602391468**
ISCJB	XII	16 14 23 22.1–.59	7.65S–.05	74.73W–.09	150	3.6b,3.4		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**30 11 57 40.4–.90**	**9.7S–.10**	**72.41W–.10**	**35**	**3.5b**	**8**	**5-141**
IDC	XII	30 11 57 35.2–1.1	9.54S	72.31W	0	3.8,3.7		**¶602380888**
ISCJB	XII	30 11 57 38.2–.83	9.7S–.10	72.43W–.08	33	3.5b,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							

(113) Western Brazil.

ISC	**XI**	**25 22 57 43.9–.42**	**9.44S–.04**	**63.10W–.06**	**35**	**4.6b**	**87**	**8-157**
IDC	XI	25 22 57 39.3–.65	9.43S	63.08W	0	4.3,4.2		**¶601994452**
ISCJB	XI	25 22 57 41.9–.33	9.51S–.03	63.10W–.05	33	4.8s,4.5b		
NEIC	XI	25 22 57 41.3–.26	9.39S	63.10W	10	4.6b,4.5b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=16.2km s-min=11.4km az=54.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.6km s-min=4.3km az=7.1.							
NEIC	Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=96.0. Felt at Ariquemes and Porto Velho.							

(114) Off coast of Peru.

ISC	**IX**	**16 16 08 27.6–2.1**	**13.9S–.30**	**77.6W–.20**	**35**	**3.6b,3.2s**	**10**	**9-91**
ISCJB	IX	16 16 08 25.8–1.7	13.9S–.20	77.6W–.20	33	3.6b,3.4s		**¶601863662**
IDC	IX	16 16 08 31.4–4.1	11.83S	76.02W	0	3.9,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=34.0km s-min=9.7km az=36.1.							
IDC	Error ellipse: s-maj=185.3km s-min=27.4km az=33.0.							

(115) Near coast of Peru.

ISC	**VII**	**02 23 31 37.7–.24**	**14.49S–.03**	**75.66W–.04**	**38–1**	**5.9b,5.3s**	**1685**	**3-179**
IDC	VII	02 23 31 31.4–.32	14.39S	75.91W	0	5.4,5.4		**¶601233569**
MOS	VII	02 23 31 35.8–1.1	14.39S	75.75W	33	5.9b,5.2s		
ISCJB	VII	02 23 31 36.0–.12	14.39S–.02	75.60W–.03	43	5.8b,5.3s		
BJI	VII	02 23 31 36.5	14.40S	75.60W	35	5.7s,5.6b		
GCMT	VII	02 23 31 37.9–.10	14.53S	76.02W	38–0	5.8W,5.6b		
NEIC	VII	02 23 31 37.9–.52	14.42S	75.60W	40–4	6.0b,5.7W		
NEIC	VII	02 23 31 37.0–.00	14.64S	75.97W	35	6.0b,5.7W		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=11.2km s-min=7.6km az=80.0.							
MOS	Error ellipse: s-maj=9.7km s-min=4.8km az=108.1.							
ISCJB	Event type fe. Error ellipse: s-maj=4.2km s-min=2.3km az=150.7.							
GCMT	Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s117,c228; s125,c303;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.82±.05 $M_{\theta\theta}$0.07±.04; $M_{\phi\phi}$-3.89±.05; $M_{r\theta}$0.17±.05; $M_{\theta\phi}$1.69±.03; $M_{\phi r}$-3.76±.08; Best double couple: NP1: ϕ_s172.00000°,δ67.00000°,λ102.00000°. NP2:ϕ_s325.00000°,δ26.00000°,λ65.00000°. Principal axes: T 5.3950,Plg66.0000°,Azm104.0000°; N 0.4730,Plg11.0000°,Azm348.0000° ; P -5.8690,Plg21.0000°,Azm254.0000° M_o5.63200×10^{17}							
NEIC	Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=65.0. Felt [IV] at Ica and [II] at Lima. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-2.43 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.34 $M_{\phi r}$-2.42 Best double couple: NP1:ϕ_s178.00000°,δ67.00000° ,λ95.00000°. NP2:ϕ_s346.00000°,δ23.00000°,λ78.00000°. Principal axes: T 3.4400,Plg67.0000°,Azm97.0000°; N 0.0200,Plg5.0000°,Azm357.0000° ; P -3.4600,Plg22.0000°,Azm265.0000° M_o3.50000×10^{17}							
NEIC	Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-1.93 $M_{r\theta}$-0.02 $M_{\theta\phi}$1.30 $M_{\phi r}$-4.03 Best double couple: NP1:ϕ_s172.00000° ,δ73.00000°,λ105.00000°. NP2:ϕ_s310.00000°,δ22.00000°,λ50.00000°. Principal axes: T 5.2500,Plg59.0000°,Azm102.0000°; N -0.6800,Plg13.0000°,Azm347.0000° ; P -4.5700,Plg26.0000°,Azm250.0000° M_o4.90000×10^{17}							
ISC	**VII**	**09 10 02 58.3–.78**	**10.4S–.10**	**78.5W–.10**	**52**	**3.9b**	**32**	**2-136**
IDC	VII	09 10 02 51.0–.83	10.42S	78.68W	0	4.0,3.9		**¶601624981**
ISCJB	VII	09 10 02 56.8–.53	10.29S–.09	78.51W–.09	52	4.0b,2.9s		
NEIC	VII	09 10 02 58.1–1.1	10.38S	78.50W	49–10	4.3L,4.1b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=33.5km s-min=14.3km az=42.0.							
ISCJB	Event type fe. Error ellipse: s-maj=17.2km s-min=6.3km az=44.3.							
NEIC	Event type fe. Error ellipse: s-maj=14.1km s-min=7.3km az=49.0. Felt [II] at Huarmey.							
ISC	**VII**	**09 10 15 34.2–.94**	**17.65S–.06**	**70.32W–.10**	**111–8**	**3.5b**	**30**	**1-135**
ISCJB	VII	09 10 15 33.5–.64	17.68S–.06	70.27W–.08	123–5	3.6b		**¶601664330**
GUC	VII	09 10 15 34.2–.55	17.65S	70.24W	107–4	3.5L		
IDC	VII	09 10 15 38.0–1.9	17.51S	69.97W	144–15	3.9,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.0km s-min=7.9km az=24.3.							
GUC	Error ellipse: s-maj=2.3km s-min=3.5km az=-1.0.							
IDC	Error ellipse: s-maj=21.6km s-min=16.5km az=61.0.							
ISC	**VII**	**11 18 02 53.1–.87**	**17.64S–.06**	**71.82W–.07**	**105–11**	**3.9b**	**37**	**2-125**
IDC	VII	11 18 02 51.6–2.2	17.72S	71.88W	94–21	4.3,4.0		**¶601266287**
GUC	VII	11 18 02 51.0–.40	17.72S	72.02W	41–148	4.4L,4.0		
NEIC	VII	11 18 02 51.1–1.2	17.75S	71.83W	87–14	4.5L,4.1b		
ISCJB	VII	11 18 02 52.4–.47	17.66S–.04	71.85W–.05	111–7	3.8b,4.1b		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] at Mollendo and [II] at Arequipa and Camana.							
ISCJB	Event type fe.							
ISC	**VII**	**11 20 52 39.0–.28**	**15.43S–.04**	**75.55W–.04**	**26**	**5.2s,5.1b**	**818**	**4-174**
IDC	VII	11 20 52 34.3–.43	15.30S	75.35W	0	5.0,5.0s		**¶601265439**
NEIC	VII	11 20 52 37.0–2.0	15.28S	75.29W	14–12	5.4W,5.1b		
ISCJB	VII	11 20 52 37.2–.18	15.25S–.03	75.71W–.04	33	5.1s,5.0b		
GCMT	VII	11 20 52 37.0–.20	15.39S	75.67W	21–0	5.5W,5.0b		
MOS	VII	11 20 52 38.7–1.3	15.22S	75.33W	35	5.2b,5.1s		
BJI	VII	11 20 52 39.5	15.30S	75.40W	25	5.5s,5.3		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=17.9km s-min=10.9km az=67.0.							
NEIC	Event type fe. Error ellipse: s-maj=7.3km s-min=3.6km az=70.0. Felt [II] at Ica, Nazca and Palpa. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.11 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.16 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.78 $M_{\phi r}$-1.19 Best double couple: NP1:ϕ_s177.00000°,δ68.00000° ,λ114.00000°. NP2:ϕ_s308.00000°,δ32.00000°,λ45.00000°. Principal axes: T 1.7400,Plg60.0000°,Azm121.0000°; N 0.1700,Plg22.0000°,Azm348.0000° ; P -1.9100,Plg20.0000°,Azm249.0000° M_o1.80000×10^{17}							
ISCJB	Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=151.9.							
GCMT	Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s85,c150; s111,c239;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-1.65±.03; $M_{r\theta}$0.26±.04; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$-1.74±.07; Best double couple: NP1: ϕ_s169.00000°,δ67.00000°,λ97.00000°. NP2:ϕ_s331.00000°,δ24.00000°,λ74.00000°. Principal axes: T 2.4320,Plg67.0000°,Azm91.0000°; N 0.1550,Plg6.0000°,Azm346.0000° ; P -2.5860,Plg22.0000°,Azm253.0000° M_o2.50900×10^{17}							
MOS	Error ellipse: s-maj=13.7km s-min=6.4km az=107.4.							
ISC	**VII**	**11 21 41 52.0–.35**	**15.29S–.05**	**75.30W–.07**	**26**	**4.9b,4.4s**	**202**	**4-174**
IDC	VII	11 21 41 47.4–.46	15.31S	75.44W	0	4.5,4.5		**¶601266289**
ISCJB	VII	11 21 41 50.0–.23	15.26S–.04	75.35W–.05	26	4.8b,4.4s		
NEIC	VII	11 21 41 53.2–.79	15.27S	75.27W	35–7	4.9b,4.7L		
GCMT	VII	11 21 41 53.2–.40	15.42S	75.58W	23–1	5.1W,4.7L		
BJI	VII	11 21 41 54.3	15.30S	75.30W	35	5.2b,5.1s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=20.0km s-min=12.1km az=68.0.							
ISCJB	Event type fe. Error ellipse: s-maj=7.6km s-min=4.1km az=146.3.							

NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=60.0. Felt [II] at Ica and Nazca.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s34,c41; s67,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.38±.25 $M_{\theta\theta}$-0.56±.13; $M_{\phi\phi}$-3.82±.17; $M_{r\theta}$1.07±.19; $M_{\theta\phi}$1.42±.08; $M_{\phi r}$-2.69±.23; Best double couple: NP1:ϕ_s159.00000°,δ62.00000°,λ89.00000°. NP2:ϕ_s340.00000°,δ28.00000°,λ91.00000°. Principal axes: T 5.2530,Plg73.0000°,Azm67.0000°; N -0.0330,Plg1.0000°,Azm159.0000°; P -5.2250,Plg17.0000°,Azm249.0000° $M_0$5.23900×10^{16}

ISC	**VII**	**12 00 07 45.1–.87**	**15.3S–.10**	**75.8W–.10**	**35**	**4.1b**	**12**	**3-148**
ISCJB	VII	12 00 07 43.2–.77	15.32S–.09	75.75W–.08	35	3.9b		**¶601664457**
IDC	VII	12 00 07 45.7–3.5	15.31S	75.66W	37–31	3.9,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=9.2km az=39.9.
IDC Error ellipse: s-maj=28.6km s-min=20.5km az=66.0.

ISC	**VII**	**12 08 00 24.9–1.1**	**15.2S–.20**	**75.4W–.10**	**26**	**3.8b**	**9**	**3-147**
IDC	VII	12 08 00 21.2–1.1	15.31S	75.30W	0	3.8,3.7b		**¶601664470**

ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=26.3km az=58.0.

ISC	**VII**	**12 08 11 47.7–.76**	**15.19S–.09**	**75.52W–.10**	**28**	**4.1b**	**20**	**3-147**
IDC	VII	12 08 11 44.3–1.2	15.14S	75.30W	0	3.8b,3.7		**¶601625025**
ISCJB	VII	12 08 11 46.7–.94	15.28S–.10	75.3W–.10	28	4.1b,3.7		
NEIC	VII	12 08 11 49.3–.62	15.20S	75.31W	35	4.3b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=16.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=12.4km az=156.8.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.4km az=53.0.

ISC	**VII**	**12 11 23 58.3–.73**	**15.38S–.09**	**75.14W–.09**	**26**	**3.8b**	**17**	**4-148**
ISCJB	VII	12 11 23 56.5–.67	15.40S–.08	75.2W–.10	26	3.8s,3.7b		**¶601664480**
IDC	VII	12 11 24 03.4–2.5	15.40S	75.53W	70–23	3.9,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=8.3km az=151.5.
IDC Error ellipse: s-maj=35.7km s-min=15.2km az=62.0.

ISC	**VII**	**12 13 11 33.4–.91**	**15.3S–.10**	**75.5W–.20**	**26**	**4.0b**	**10**	**4-148**
IDC	VII	12 13 11 29.9–.94	15.42S	75.57W	0	4.0,3.9b		**¶601664489**

ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=23.1km az=69.0.

ISC	**VII**	**16 18 30 44.3–1.1**	**14.6S–.10**	**76.0W–.10**	**29**		**14**	**3-143**
IDC	VII	16 18 30 40.0–1.4	14.57S	76.08W	0	3.8,3.8		**¶601664688**
NEIC	VII	16 18 30 41.4–.54	14.56S	76.06W	10	4.3L,3.8		
ISCJB	VII	16 18 30 42.7–1.1	14.52S–.10	75.9W–.10	29	3.9b,3.8		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Chincha Alta and Ica.
ISCJB Event type fe.

IDC	**VII**	**16 22 43 35.8–2.3**	**14.69S**	**76.69W**	**0**	**3.9,3.9L**		
								¶601664696

IDC Error ellipse: s-maj=57.8km s-min=25.6km az=63.0.

ISC	**VII**	**26 13 36 30.0–.79**	**14.19S–.09**	**76.5W–.10**	**30**	**3.9b**	**20**	**2-146**
ISCJB	VII	26 13 36 27.9–.67	14.36S–.07	76.5W–.10	30	4.0b,3.6s		**¶601666479**
IDC	VII	26 13 36 32.5–2.5	14.22S	76.46W	52–21	3.8,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=7.8km az=155.5.
IDC Error ellipse: s-maj=27.0km s-min=13.5km az=60.0.

ISC	**VII**	**29 17 35 49.0–.60**	**12.14S–.07**	**77.24W–.07**	**35**	**4.4b,3.7s**	**60**	**0-156**
NEIC	VII	29 17 35 49.0–.00	12.02S	77.20W	58	4.5L,4.5b		**¶601484881**
IDC	VII	29 17 35 50.9–1.3	11.94S	77.16W	49–11	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Callao, Lima and Ricardo Palma and [II] at Huacho, Huaral and San Luis. Also felt at Mala and Santa Eulalia. After ARE.
IDC Error ellipse: s-maj=30.0km s-min=18.3km az=61.0.

ISC	**VII**	**31 22 34 41.6–.47**	**14.40S–.05**	**76.18W–.08**	**29**	**4.4b,3.6s**	**79**	**2-158**
IDC	VII	31 22 34 37.9–.55	14.40S	76.10W	0	4.3,4.2		**¶601498057**
ISCJB	VII	31 22 34 39.9–.37	14.51S–.05	76.12W–.06	29	4.3b,3.8s		
NEIC	VII	31 22 34 42.7–.36	14.39S	76.04W	35	4.5L,4.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=11.4km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.8km az=147.2.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=6.1km az=52.0. Felt [II] at Ica and Pisco.

ISC	**VIII**	**03 18 03 17.0–.35**	**16.26S–.05**	**72.72W–.07**	**83–3**	**4.5b**	**157**	**3-152**
ISCJB	VIII	03 18 03 15.2–.60	16.21S–.04	72.68W–.06	85–6	4.5b		**¶601518036**
NEIC	VIII	03 18 03 16.6–.17	16.17S	72.65W	79	4.6b,4.4L		
IDC	VIII	03 18 03 17.3–.43	16.18S	72.65W	80–3	4.3,4.1		
GUC	VIII	03 18 03 19.2–.72	16.52S	72.73W	70	5.1L,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.6km az=156.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=3.3km az=72.0. Felt [III] at Aplao and Ocona and [II] at Arequipa. Also felt at Lluta.
IDC Error ellipse: s-maj=16.6km s-min=10.3km az=63.0.
GUC Error ellipse: s-maj=7.8km s-min=6.9km az=-1.0.

ISC	**VIII**	**06 07 23 39.2–.93**	**13.63S–.09**	**76.5W–.10**	**33**	**3.6b**	**23**	**2-135**
ISCJB	VIII	06 07 23 37.2–.75	13.77S–.06	76.53W–.09	33	3.4b		**¶601565555**
NEIC	VIII	06 07 23 39.2–1.3	13.77S	76.58W	35	4.3L,4.0b		
IDC	VIII	06 07 23 43.7–3.1	13.37S	76.17W	63–21	3.6,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=4.7km az=145.9.
NEIC Event type fe. Error ellipse: s-maj=28.4km s-min=10.2km az=59.0. Felt [III] at Pisco and [II] at Chincha Alta and Tambo de Mora.
IDC Error ellipse: s-maj=50.7km s-min=12.0km az=39.0.

ISC	**VIII**	**07 10 31 03.1–.37**	**13.47S–.05**	**76.88W–.08**	**28**	**4.7b,4.0s**	**336**	**1-157**
IDC	VIII	07 10 30 58.4–.50	13.49S	76.93W	0	4.5,4.4		**¶601529219**
ISCJB	VIII	07 10 31 01.0–.18	13.46S–.03	76.87W–.04	28	4.7b,4.0s		
NEIC	VIII	07 10 31 03.4–.62	13.43S	76.79W	30–4	5.4L,4.7b		
BJI	VIII	07 10 31 04.0	13.40S	76.80W	33	5.1s,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.0km s-min=10.1km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.3km az=155.8.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=2.9km az=62.0. Felt [III] at San Vicente de Canete and [II] at Ica and Lima. Also felt at San Luis.

NEIC	**VIII**	**11 09 35 47.0–.00**	**11.45S**	**77.70W**	**69**	**4.5b,4.3L**		
								¶601562029

NEIC Event type fe. Felt [III] at Huacho and Lima. After ARE.

GUC	**VIII**	**19 12 50 18.0–.46**	**17.56S**	**70.82W**	**29–2**	**4.0L**		
								¶604836563

GUC Error ellipse: s-maj=2.4km s-min=6.1km az=-1.0.

ISC	**IX**	**06 21 04 21.7–.30**	**16.15S–.05**	**73.50W–.05**	**50–2**	**4.8b,4.0s**	**612**	**4-172**
ISCJB	IX	06 21 04 19.7–.16	15.95S–.03	73.43W–.04	50	4.8b,4.1s		**¶601687273**
NEIC	IX	06 21 04 21.6–.42	16.05S	73.40W	49–4	4.8L,4.8b		
BJI	IX	06 21 04 21.0	16.10S	73.50W	35	5.2s,5.1b		
IDC	IX	06 21 04 22.1–.37	16.06S	73.43W	50–2	4.6,4.5		
GCMT	IX	06 21 04 23.6–.30	16.30S–.02	73.94W–.02	72–2	5.1W,4.5		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Atico; [III] at Camana and Yauca; [II] at Arequipa.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c67; s88,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.65±.14 $M_{\theta\theta}$-0.55±.14; $M_{\phi\phi}$-3.11±.17; $M_{r\theta}$-0.32±.09; $M_{\theta\phi}$3.29±.11; $M_{\phi r}$-1.57±.14; Best double couple: NP1:ϕ_s167.00000°,δ56.00000°,λ119.00000°. NP2:ϕ_s302.00000°,δ43.00000°,λ54.00000°. Principal axes: T 4.2920,Plg65.0000°,Azm131.0000°; N 1.1980,Plg24.0000°,Azm330.0000°; P -5.4980,Plg7.0000°,Azm237.0000° $M_0$4.89500×10^{16}

ISC	**IX**	**06 23 05 20.0–.90**	**16.5S–.10**	**73.6W–.10**	**39**	**4.3b,3.2s**	**12**	**5-149**
ISCJB	IX	06 23 05 18.2–.75	16.40S–.10	73.5W–.10	39	4.2b,3.7s		**¶601734456**
NEIC	IX	06 23 05 19.8–.59	16.44S	73.56W	35	4.4b,3.7s		
IDC	IX	06 23 05 20.5–3.1	16.41S	73.54W	43–30	4.1,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=10.9km az=144.2.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.2km az=53.0.
IDC Error ellipse: s-maj=32.8km s-min=29.1km az=82.0.

ISC	**IX**	**16 15 35 00.6–1.2**	**13.3S–.10**	**76.8W–.20**	**33**	**3.5b,3.2s**	**9**	**6-145**
IDC	IX	16 15 35 03.4–4.3	13.28S	76.69W	61–33	3.7,3.6		**¶601863660**

ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=23.8km az=32.0.

ISC	**IX**	**22 08 36 21.2–.48**	**17.41S–.05**	**70.98W–.07**	**56**	**4.2b**	**71**	**1-154**
GUC	IX	22 08 36 18.8–.38	17.40S	71.09W	50–151	4.5L		**¶601736509**
ISCJB	IX	22 08 36 19.2–.33	17.40S–.04	71.06W–.07	56	4.3b,3.5s		
NEIC	IX	22 08 36 20.3–.78	17.44S	71.08W	46–8	4.5L,4.5L		
IDC	IX	22 08 36 24.6–2.4	17.38S	70.66W	87–20	4.0,3.8		

ISC Event type fe.
GUC Error ellipse: s-maj=3.2km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.8km az=156.5.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=7.0km az=81.0. Felt [II] at Moquegua. Felt [III] at Arica, Chile.
IDC Error ellipse: s-maj=28.0km s-min=20.9km az=11.0.

ISC	**IX**	**23 08 47 16.5–.73**	**13.19S–.06**	**76.6W–.10**	**10**	**4.2b**	**31**	**1-162**
ISCJB	IX	23 08 47 16.0–.63	13.14S–.06	76.5W–.10	10	4.2b,3.3s		**¶601737044**
IDC	IX	23 08 47 15.8–.93	13.13S	76.36W	0	4.2,4.1		
NEIC	IX	23 08 47 18.2–3.3	13.07S	76.63W	19–21	4.4L,4.1b		
BJI	IX	23 08 47 19.7	13.20S	77.10W	72	4.4L,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.0km s-min=5.7km az=157.7.
IDC Error ellipse: s-maj=29.6km s-min=17.0km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=16.4km s-min=6.7km az=77.0. Felt [III] at San Vicente de Canete.

ISC	**IX**	**24 23 25 07.0–.75**	**16.82S–.07**	**73.16W–.09**	**35**	**4.1b**	**32**	**3-123**
NEIC	IX	24 23 25 09.0–.00	16.72S	73.18W	48	4.3L,4.3b		**¶601739369**
IDC	IX	24 23 25 11.2–2.1	16.59S	73.15W	84–18	4.3,4.0		
GUC	IX	24 23 25 14.4–.51	17.09S	72.89W	47–34	3.8L,4.0		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Camana and Ocona. After ARE.
IDC Error ellipse: s-maj=23.1km s-min=12.7km az=30.0.
GUC Error ellipse: s-maj=9.6km s-min=21.1km az=-1.0.

ISC	**X**	**03 22 48 56.7–.30**	**14.47S–.04**	**76.21W–.06**	**29**	**4.9b,4.4s**	**587**	**3-174**
IDC	X	03 22 48 52.0–.51	14.34S	76.22W	0	4.8,4.7		**¶601781441**
MOS	X	03 22 48 55.3–1.4	14.33S	76.18W	26	5.0b,4.5s		
ISCJB	X	03 22 48 55.5–.16	14.25S–.03	76.09W–.04	33	4.9b,4.4s		
NEIC	X	03 22 48 56.5–1.4	14.29S	76.05W	24–10	4.9b,4.8L		
BJI	X	03 22 48 58.8	14.30S	76.00W	36	5.3b,5.1s		
GCMT	X	03 22 48 59.5–.40	14.35S–.02	76.44W–.03	29–1	5.1W,5.1s		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Ica and Pisco. Also felt at Lima and Pozo Santo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c47; s64,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.94±.21 $M_{\theta\theta}$-0.69±.12; $M_{\phi\phi}$-3.25±.14; $M_{r\theta}$0.71±.17; $M_{\theta\phi}$1.13±.07; $M_{\phi r}$-3.84±.23; Best double couple: NP1:ϕ_s166.00000°,δ68.00000°,λ95.00000°. NP2:ϕ_s333.00000°,δ23.00000°,λ78.00000°. Principal axes: T 5.6120,Plg67.0000°,Azm85.0000°; N -0.3210,Plg5.0000°,Azm345.0000°; P -5.2940,Plg23.0000°,Azm253.0000° $M_0$5.45300×10^{16}

IDC	**X**	**06 05 57 53.4–5.9**	**17.93S**	**70.01W**	**119–36**	**3.8,3.4**		
								¶601997246

IDC Error ellipse: s-maj=76.4km s-min=26.4km az=26.0.

ISC	**X**	**09 02 32 28.7–.88**	**13.91S–.08**	**76.04W–.09**	**49**		**41**	**2-146**
IDC	X	09 02 32 23.4–1.7	13.82S	76.04W	0	3.9L,3.8		**¶601997591**
ISCJB	X	09 02 32 27.0–.62	13.90S–.05	75.98W–.07	49	4.2b,3.8		
NEIC	X	09 02 32 29.0–1.2	13.80S	75.94W	39–12	4.5L,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=46.0km s-min=19.4km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.1km az=140.7.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=8.9km az=53.0. Felt [III] at Pisco and [II] at Ica.

ISC	**X**	**11 00 17 34.1–.64**	**15.67S–.07**	**75.30W–.09**	**26**	**4.1b,3.2s**	**37**	**4-160**
IDC	X	11 00 17 32.2–1.6	15.11S	74.92W	0	3.9b,3.9		**¶601825971**
ISCJB	X	11 00 17 33.7–.56	15.68S–.10	75.2W–.10	26	4.0b,3.3s		
NEIC	X	11 00 17 36.1–2.6	15.52S	75.07W	29–19	4.3b,4.0L		

ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=18.5km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=5.7km az=138.4.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.3km az=63.0.

ISC	**X**	**28 19 45 46.9–1.0**	**15.7S–.10**	**74.7W–.10**	**54**	**3.5b**	**7**	**4-134**
ISCJB	X	28 19 45 45.1–.96	15.7S–.10	74.7W–.10	54	3.6b		**¶602000134**
IDC	X	28 19 45 48.4–2.8	15.66S	74.59W	74–27	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=15.5km az=147.5.
IDC Error ellipse: s-maj=30.2km s-min=26.8km az=109.0.

ISC	**X**	**30 19 44 54.9–1.6**	**12.7S–.20**	**76.6W–.20**	**59**	**3.1s**	**8**	**1-145**
IDC	X	30 19 44 47.0–2.0	13.03S	76.55W	0	3.9,3.9		**¶602000525**
ISCJB	X	30 19 44 54.7–1.8	12.6S–.20	76.5W–.20	59	3.9b,3.1s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**01 01 37 31.2–.49**	**12.07S–.06**	**76.23W–.06**	**35**	**4.5b,3.7s**	**59**	**1-144**
ARE	XI	01 01 37 26.0–.00	11.82S	76.02W	57	4.5b,3.7s		**¶601867318**
ISCJB	XI	01 01 37 28.5–.38	12.11S–.04	76.17W–.04	33	4.4b,3.8s		
IDC	XI	01 01 37 28.9–.75	12.01S	75.93W	0	4.3,4.1		
NEIC	XI	01 01 37 30.2–.74	12.28S	76.43W	52–8	4.7L,4.6b		

ISC Event type fe.
ARE Event type se.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=145.2.
IDC Error ellipse: s-maj=26.0km s-min=15.9km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=7.1km az=63.0. Felt [III] at Matucana and [II] at La Oroya and Lima.

ISC	**XI**	**16 00 21 57.8–.57**	**13.35S–.05**	**76.56W–.08**	**43–5**	**4.8b,4.0s**	**200**	**1-159**
ARE	XI	16 00 21 55.0–.00	13.30S	76.68W	57	4.8b,4.0s		**¶601903366**
ISCJB	XI	16 00 21 56.4–.73	13.35S–.03	76.60W–.06	47–6	4.7b,4.1s		
NEIC	XI	16 00 21 58.0–.51	13.29S	76.53W	43–5	4.8L,4.7b		
IDC	XI	16 00 21 58.2–.76	13.28S	76.59W	44–6	4.3,4.3		
BJI	XI	16 00 21 58.9	13.30S	76.50W	42	5.0,4.3		

ISC Event type fe.
ARE Event type se.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=3.9km az=157.5.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=3.2km az=66.0. Felt [III] at Chincha Alta, Lunahuana, San Borja and San Vicente de Canete; [II] at Ica and Lima. Also felt at Huanza, Imperial, Pisco and Pueblo Nuevo.
IDC Error ellipse: s-maj=19.4km s-min=8.2km az=73.0.

ISC	**XI**	**17 07 00 57.3–1.2**	**17.54S–.08**	**70.1W–.10**	**138–9**		**22**	**1-136**
ISCJB	XI	17 07 00 57.1–.94	17.60S–.06	70.0W–.10	147–7	3.7b		**¶601909904**
GUC	XI	17 07 00 57.8–.48	17.74S	70.39W	147–3	3.8L		
IDC	XI	17 07 01 02.4–4.4	17.27S	69.60W	173–26	4.1,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=7.2km az=19.4.
GUC Error ellipse: s-maj=4.2km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=79.5km s-min=45.0km az=6.0.

ISC	**XI**	**19 16 34 26.7–.45**	**17.75S–.04**	**70.41W–.06**	**58–4**	**4.5b**	**91**	**1-170**
GUC	XI	19 16 34 24.4–.60	17.92S	70.71W	32–4	4.3L		**¶601992975**
ISCJB	XI	19 16 34 25.3–.56	17.75S–.04	70.49W–.05	63–6	4.5b		
NEIC	XI	19 16 34 26.4–.26	17.84S	70.42W	57	4.6b,4.2L		
IDC	XI	19 16 34 27.1–.52	17.74S	70.29W	57–3	4.3,4.2		

ISC Event type fe.
GUC Error ellipse: s-maj=6.6km s-min=9.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.0km az=150.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=79.0. Felt at Ilabaya. Felt [III] at Alcerreca and [II] at Arica, Poconchile and Putre, Chile.
IDC Error ellipse: s-maj=17.5km s-min=13.7km az=46.0.

ISC	**XI**	**22 21 12 11.1–.77**	**14.55S–.08**	**76.1W–.10**	**29**	**4.2b,3.6s**	**32**	**3-147**
NEIC	XI	22 21 12 09.0–.00	14.63S	76.08W	40	4.6L,4.2b		**¶601993798**
IDC	XI	22 21 12 14.7–2.7	14.58S	75.87W	46–24	4.1,4.0		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Ica. Also felt at Los Aquijes and Santiago. After ARE.
IDC Error ellipse: s-maj=31.1km s-min=15.2km az=45.0.

ISC	**XI**	**22 23 20 54.8–.75**	**15.48S–.10**	**74.4W–.10**	**54**	**3.8b**	**20**	**4-148**
ISCJB	XI	22 23 20 52.9–.58	15.49S–.08	74.44W–.10	54	3.8b,2.3s		**¶601993819**
IDC	XI	22 23 20 55.2–1.9	15.41S	74.42W	59–18	3.7,3.6		
NEIC	XI	22 23 20 55.0–.00	15.78S	74.79W	45	4.2L,3.8b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=16.3km s-min=6.4km az=142.1.
IDC Error ellipse: s-maj=28.6km s-min=12.8km az=49.0.
NEIC Event type fe. Felt [II] at Acari and Chala. After ARE.
ISC XI 27 09 20 00.7–.61 10.76S–.09 77.5W–.20 100 3.8b 24 1-145
IDC XI 27 09 19 59.0–.63 10.79S 77.54W 76–6 4.0,3.9 **¶602390052**
ISCJB XI 27 09 19 59.6–.63 10.75S–.08 77.5W–.10 100 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
GUC XII 01 14 31 08.4–.31 17.74S 70.86W 99–3 3.6L
¶604837549
GUC Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0.
GUC XII 05 03 44 43.9–.34 16.34S 72.77W 95–40 3.5L
¶604837597
GUC Error ellipse: s-maj=4.5km s-min=7.9km az=-1.0.
NEIC XII 07 07 07 04.3–1.1 16.42S 74.49W 35 4.0L
ARE XII 07 07 07 01.0–.00 16.03S 74.16W 40 4.0L **¶602032143**
NEIC Event type fe. Error ellipse: s-maj=26.3km s-min=10.2km az=54.0. Felt [II] at Chala.
ARE Event type se.
NEIC XII 10 11 25 24.0–.00 11.86S 77.23W 51 4.3L
¶602037000
NEIC Event type fe. Felt [III] at Ancon, Huanza and Miraflores and [II] at Chosica. Also felt at Antioquia, Bellavista, Lima, Magdelena del Mar, San Bartolome, San Borja and San Luis. After ARE.
NEIC XII 22 06 43 39.0–.00 12.56S 76.82W 51 4.2L
¶602056308
NEIC Event type fe. Felt [II] at Chilca and Lima. Also felt at Pucusana. After ARE.
ISC XII 24 05 31 34.4–.42 17.99S–.03 70.05W–.05 100–3 4.7b 540 1-170
ISCJB XII 24 05 31 31.8–.44 17.84S–.03 69.88W–.05 93–5 4.7b **¶602056931**
NEIC XII 24 05 31 33.8–.31 17.95S 69.91W 96–3 4.8b
GUC XII 24 05 31 34.6–.52 18.12S 70.27W 104–3 4.9L
BJI XII 24 05 31 35.5 17.90S 69.90W 92 4.9L
IDC XII 24 05 31 35.2–.57 17.87S 69.83W 99–4 4.6,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.6km az=154.7.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=72.0. Felt [III] at Tacna. Also felt at Pachia.
GUC Error ellipse: s-maj=5.2km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=11.0km az=58.0.
NEIC XII 30 13 32 49.0–.00 10.75S 77.58W 67 4.4b,4.3L
¶602425750
NEIC Event type fe. Felt [II] at Barranca and Puerto Supe. After ARE.
GUC XII 30 13 39 32.0–.25 17.25S 72.80W 20 3.5L
¶604837840
GUC Error ellipse: s-maj=5.3km s-min=3.9km az=-1.0.
ISC XII 31 08 46 20.8–.61 11.23S–.06 77.47W–.08 77–5 4.8b 106 1-164
ARE XII 31 08 46 17.0–.00 11.42S 77.92W 53 4.8b **¶602065152**
ISCJB XII 31 08 46 19.9–.76 11.16S–.05 77.43W–.08 82–7 4.6b
IDC XII 31 08 46 20.6–.72 11.15S 77.47W 69–6 4.2,4.1
NEIC XII 31 08 46 21.1–.71 11.16S 77.35W 77–7 4.9b,4.7L
ISC Event type fe.
ARE Event type se.
ISCJB Event type fe. Error ellipse: s-maj=15.0km s-min=5.2km az=151.5.
IDC Error ellipse: s-maj=24.4km s-min=12.1km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.4km az=66.0. Felt [IV] at Huacho and [III] at Lima and San Borja. Also felt at Ancon, Antioquia, Callao, Chaclacayo, La Molina, Miraflores and Surco.

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ISC VII 04 16 25 11.7–.54 11.17S–.07 73.73W–.07 105 3.9b 29 3-143
ISCJB VII 04 16 25 10.3–.42 11.17S–.05 73.74W–.05 105 3.7b **¶601663482**
IDC VII 04 16 25 12.2–.74 11.18S 73.79W 113–7 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=38.3.
IDC Error ellipse: s-maj=13.5km s-min=10.9km az=171.0.
NEIC VII 06 18 59 07.5–.67 11.70S 76.50W 10 4.0L
¶601542018
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=10.6km az=191.0. Felt [II] at Lima and Matucana.
NEIC VII 06 22 59 45.0–.00 11.86S 76.37W 24 4.1L,4.0b
¶601275645
NEIC Event type fe. Felt [III] at Lima and Matucana. After ARE.
ISC VII 10 18 42 22.9–.76 15.0S–.10 72.43W–.09 114 3.9b 12 4-136
ISCJB VII 10 18 42 21.7–.65 15.0S–.10 72.48W–.07 114 3.8b **¶601664392**
IDC VII 10 18 42 23.0–1.4 15.00S 72.46W 117–14 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.0km az=26.6.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=27.0.
ISC VII 12 05 05 33.0–.74 14.0S–.10 72.98W–.10 86 3.6b 17 4-146
ISCJB VII 12 05 05 31.1–.67 14.0S–.10 73.02W–.08 86 3.7b **¶601664464**
IDC VII 12 05 05 32.1–1.4 14.05S 73.01W 72–14 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=5.5km az=33.1.
IDC Error ellipse: s-maj=28.4km s-min=9.4km az=32.0.
ISC VII 15 20 05 06.9–.45 13.55S–.05 73.71W–.05 86–3 5.0b 716 3-171
MOS VII 15 20 05 02.9–1.4 13.49S 73.75W 63 5.2b **¶601276374**
ISCJB VII 15 20 05 05.4–.69 13.41S–.03 73.72W–.03 88–6 4.9b
BJI VII 15 20 05 05.1 13.70S 73.80W 70 5.1s,5.0b
GCMT VII 15 20 05 06.0–.40 13.73S 73.60W 89–3 4.8W,5.0b
NEIC VII 15 20 05 06.0–.62 13.58S 73.80W 79–5 5.0b,4.7L
IDC VII 15 20 05 07.2–.52 13.61S 73.83W 91–4 4.7,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=6.8km az=111.7.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.7km az=137.1.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s34,c40; s65,c80; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.78±.12 $M_{\theta\theta}$1.94±.14; $M_{\phi\phi}$-0.15±.15; $M_{r\theta}$-1.13±.07; $M_{\theta\phi}$0.27±.15; $M_{\phi r}$0.49±.10; Best double couple: NP1:ϕ_s99.00000°,δ62.00000° ,λ-73.00000°. NP2:ϕ_s246.00000°,δ33.00000°,λ-119.00000°. Principal axes: T 2.2630,Plg15.0000°,Azm177.0000°; N -0.0150,Plg15.0000°,Azm271.0000° ; P -2.2390,Plg68.0000°,Azm43.0000° M_o2.25100×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.0km az=60.0. Felt [II] at Andahuaylas, Ayacucho and Huanco Sancos.
IDC Error ellipse: s-maj=15.5km s-min=9.3km az=57.0.
ISC VII 16 03 33 43.3–.45 13.30S–.06 72.54W–.06 35 4.1b 65 4-159
ISCJB VII 16 03 33 40.7–.35 13.41S–.04 72.55W–.04 33 4.6s,4.1b **¶601276381**
BJI VII 16 03 33 42.9 14.06S 72.43W 50 4.9s,4.6
NEIC VII 16 03 33 43.8–.70 13.41S 72.59W 45–7 4.6L,4.4b
IDC VII 16 03 33 43.3–2.3 13.33S 72.54W 38–20 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=44.1.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.0km az=59.0. Felt [II] at Abancay.
IDC Error ellipse: s-maj=19.0km s-min=12.9km az=62.0.
NEIC VII 20 12 15 06.0–.00 9.96S 75.38W 20 4.0L
¶601456425
NEIC Event type fe. Felt [II] at Pozuzo. After ARE.
ISC VII 30 02 38 46.5–1.0 14.8S–.20 73.3W–.10 98 8 4-147
ISCJB VII 30 02 38 44.8–.96 14.8S–.20 73.3W–.10 98 4.2b **¶601650754**
IDC VII 30 02 38 45.2–2.1 14.94S 73.39W 76–22 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.6km s-min=8.8km az=30.4.
IDC Error ellipse: s-maj=31.5km s-min=14.4km az=36.0.
ISC VIII 07 02 02 50.5–.40 9.06S–.04 75.94W–.06 121–3 4.8b 846 3-153
BJI VIII 07 02 02 47.5 9.10S 75.90W 100 5.3b **¶601521554**
IDC VIII 07 02 02 48.9–.64 9.05S 76.09W 106–6 4.6,4.4
ISCJB VIII 07 02 02 49.5–.58 8.99S–.03 76.01W–.03 129–5 4.6b,4.4
MOS VIII 07 02 02 49.1–.96 8.98S 76.06W 117 4.8b,4.4
NEIC VIII 07 02 02 50.0–.00 9.07S 76.18W 120 4.9L,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.2km az=150.1.
MOS Error ellipse: s-maj=14.1km s-min=6.0km az=109.2.
NEIC Event type fe. Felt [III] at Tingo Maria and [II] at Huanuco. Also felt at Lima and Oxapampa. After ARE.
ISC VIII 08 08 35 15.1–.46 9.59S–.06 75.58W–.08 100 4.4b 257 3-154
ISCJB VIII 08 08 35 13.3–.29 9.50S–.04 75.61W–.05 100 4.3b **¶601532045**
NEIC VIII 08 08 35 15.7–.56 9.61S 75.55W 112–7 4.5b
IDC VIII 08 08 35 16.7–1.4 9.67S 75.67W 120–16 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=162.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.5km az=207.0.
IDC Error ellipse: s-maj=15.6km s-min=14.2km az=44.0.
ISC IX 05 00 59 41.6–.46 11.15S–.05 73.18W–.05 35 4.1b,3.8s 53 4-148
IDC IX 05 00 59 37.2–.66 11.05S 73.18W 0 4.3,4.3L **¶601699515**
ISCJB IX 05 00 59 39.7–.37 11.23S–.04 73.24W–.05 33 4.1b,3.8s
NEIC IX 05 00 59 40.3–2.2 11.08S 73.30W 23–17 4.5L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=16.7km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=146.9.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=8.1km az=53.0. Felt [II] at Atalaya.
ISC IX 20 06 08 04.9–.38 13.97S–.05 72.76W–.06 72–3 4.9b 625 4-171
BJI IX 20 06 08 03.5 13.90S 72.50W 47 5.3s,5.2b **¶601731990**
ISCJB IX 20 06 08 04.4–.20 13.80S–.03 72.45W–.05 87 4.8b,5.2b
IDC IX 20 06 08 05.6–1.7 13.92S 72.91W 75–15 4.6,4.4
NEIC IX 20 06 08 06.6–.16 13.91S 72.58W 87 4.9b,4.6L
GCMT IX 20 06 08 07.6–.40 14.06S–.02 72.85W–.03 88–4 4.9W,4.6L
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Abancay. Also felt at Cusco.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c23; s58,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.41±.13 $M_{\theta\theta}$0.41±.14; $M_{\phi\phi}$1.99±.16; $M_{r\theta}$0.75±.09; $M_{\theta\phi}$-2.08±.12; $M_{\phi r}$0.33±.13; Best double couple: NP1:ϕ_s303.00000°,δ51.00000°,λ-122.00000°. NP2:ϕ_s168.00000°,δ49.00000°,λ-56.00000°. Principal axes: T 3.4300,Plg2.0000° ,Azm55.0000°; N -0.6540,Plg25.0000°,Azm324.0000°; P -2.7820,Plg65.0000° ,Azm149.0000° M_o3.10600×10^{16}
ISC IX 25 17 49 09.8–.41 8.97S–.05 76.06W–.08 150 4.5b 113 3-169
ISCJB IX 25 17 49 08.7–.28 8.99S–.03 76.02W–.05 150 4.5b **¶601751134**
IDC IX 25 17 49 08.5–.55 8.97S 76.02W 127–5 4.4,4.1
NEIC IX 25 17 49 08.5–.53 8.99S 75.98W 128–5 4.7b,4.1
BJI IX 25 17 49 09.5 8.90S 75.90W 110 4.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=160.3.
IDC Error ellipse: s-maj=12.3km s-min=8.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=57.0.
ISC IX 28 04 39 00.3–.53 11.78S–.07 76.22W–.07 100 4.2b 44 1-156
ISCJB IX 28 04 38 59.4–.43 11.77S–.05 76.33W–.07 100 4.1b **¶601767269**
IDC IX 28 04 39 00.2–.65 11.79S 76.35W 93–8 4.1,3.9
NEIC IX 28 04 39 01.0–.00 11.83S 76.48W 100 4.4L,4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=6.5km az=156.7.
IDC Error ellipse: s-maj=23.6km s-min=15.9km az=35.0.
NEIC Event type fe. Felt [III] at Chosica, Lima, Matucana, Ricardo Palma and San Mateo. Also felt at La Molina. After ARE.
ISC X 01 22 51 21.5–.42 8.95S–.05 75.44W–.06 50 4.3b 48 3-145
ISCJB X 01 22 51 19.7–.37 8.89S–.04 75.49W–.06 50 4.3b,3.6s **¶601776278**
NEIC X 01 22 51 21.4–.84 8.92S 75.53W 52–8 4.5L,4.4b
IDC X 01 22 51 22.1–1.8 8.90S 75.56W 55–18 4.4,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.4km az=179.1.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.2km az=56.0. Felt [II] at Aguaytia.
IDC Error ellipse: s-maj=15.3km s-min=11.2km az=78.0.
IDC X 02 11 05 06.7–4.6 12.85S 75.68W 0 3.8,3.6
¶601996795
IDC Error ellipse: s-maj=211.0km s-min=27.2km az=31.0.
IDC X 03 08 02 49.3–3.4 11.57S 74.19W 0 3.8,3.6L
¶601996907
IDC Error ellipse: s-maj=138.6km s-min=33.2km az=40.0.
ISC X 09 10 15 17.3–.77 14.0S–.20 72.7W–.10 83 3.6b 14 5-150
ISCJB X 09 10 15 15.5–.69 14.0S–.10 72.72W–.08 83 3.5b **¶601997646**
IDC X 09 10 15 16.9–1.7 14.04S 72.72W 78–16 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=7.5km az=26.2.
IDC Error ellipse: s-maj=31.8km s-min=13.1km az=29.0.
ISC X 16 07 34 03.8–.86 8.69S–.09 75.7W–.10 35 3.6b 9 3-139
IDC X 16 07 33 58.6–1.1 8.67S 75.62W 0 3.8,3.7 **¶601998477**
ISCJB X 16 07 34 02.0–.74 8.67S–.07 75.7W–.10 33 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 17 02 25 53.1–.33 13.59S–.04 70.34W–.06 10 4.8b,4.2s 185 3-153
IDC X 17 02 25 51.9–.50 13.61S 70.37W 0 4.6,4.5L **¶601837356**
ISCJB X 17 02 25 52.5–.21 13.51S–.03 70.31W–.04 10 4.6b,4.2s
NEIC X 17 02 25 59.0–.66 13.56S 70.26W 47–6 4.7b,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=17.8km s-min=11.5km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.7km az=167.8.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=76.0. Felt [IV] at San Gaban and [III] at Macusani.
IDC X 17 04 15 02.6–1.6 13.12S 70.50W 0 4.1,3.9
¶601998618
IDC Error ellipse: s-maj=39.3km s-min=30.7km az=50.0.
ISC X 26 00 28 32.5–.97 14.6S–.10 74.31W–.09 100 3.7b 24 4-80
ISCJB X 26 00 28 30.3–.66 14.64S–.07 74.38W–.06 100 3.7b **¶601999668**
IDC X 26 00 28 33.6–1.5 14.31S 74.17W 100–15 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.9km az=39.2.
IDC Error ellipse: s-maj=23.1km s-min=10.3km az=32.0.
ISC XI 01 01 53 39.9–.95 12.0S–.10 76.2W–.20 35 3.6b,3.2s 8 5-136
ISCJB XI 01 01 53 37.4–.92 12.0S–.10 76.2W–.10 33 3.6b,3.2s **¶602388652**
IDC XI 01 01 53 39.5–4.4 11.97S 76.18W 35–35 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=12.7km az=141.1.
IDC Error ellipse: s-maj=36.9km s-min=18.8km az=52.0.
ISC XI 04 01 52 13.3–.40 12.01S–.04 75.76W–.05 108–3 4.9b 645 1-172
ISCJB XI 04 01 52 10.8–.44 11.94S–.02 75.77W–.03 98–4 4.8b **¶601869885**
MOS XI 04 01 52 10.9–1.0 11.95S 75.79W 98 4.8b
NEIC XI 04 01 52 12.4–.11 12.03S 75.69W 102 4.9b,4.7L
ARE XI 04 01 52 12.0–.00 12.13S 76.03W 110 4.9b,4.7L
IDC XI 04 01 52 13.3–.65 12.01S 75.86W 108–5 4.6,4.4
GCMT XI 04 01 52 15.4–.30 12.06S–.02 75.79W–.04 118–3 4.8W,4.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Yauyos and [III] at Lima and Santiago de Tuna. Also felt at Chosica, Coayllo, Huanza, Imperial, Palmeras, Pusucancha, Rinconada Alta, San Borja and Surco.
ARE Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c47; s74,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96±.08 $M_{\theta\theta}$2.34±.11; $M_{\phi\phi}$-0.37±.14; $M_{r\theta}$0.08±.08; $M_{\theta\phi}$0.55±.12; $M_{\phi r}$-0.74±.10; Best double couple: NP1:ϕ_s58.00000°,δ50.00000°,λ-120.00000°. NP2:ϕ_s280.00000°,δ48.00000°,λ-59.00000°. Principal axes: T 2.4480,Plg1.0000° ,Azm169.0000°; N -0.1770,Plg22.0000°,Azm78.0000°; P -2.2660,Plg68.0000° ,Azm261.0000° M_o2.35700×10^{16}
ISC XI 04 09 59 53.4–.93 9.73S–.06 74.65W–.08 134–9 4.1b 135 3-153
ISCJB XI 04 09 59 52.0–.75 9.64S–.06 74.62W–.05 132–8 4.0b **¶602031626**
NEIC XI 04 09 59 53.5–.52 9.67S 74.56W 131–5 4.1b
IDC XI 04 09 59 53.2–1.8 9.73S 74.68W 134–20 4.1s,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.1km az=37.2.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=53.0.
IDC Error ellipse: s-maj=21.5km s-min=15.1km az=27.0.
ISC XI 04 20 29 38.9–.87 13.46S–.09 75.85W–.08 55 3.5b 21 2-146
ISCJB XI 04 20 29 37.2–.61 13.42S–.06 75.66W–.07 55 3.5b **¶601888176**
NEIC XI 04 20 29 38.0–.00 13.58S 76.02W 85 4.0L

IDC XI 04 20 29 41.7–2.2 13.29S 75.83W 83–13 3.6,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=5.2km az=139.7.
NEIC Event type fe. Felt [II] at Chincha Alta. After ARE.
IDC Error ellipse: s-maj=44.9km s-min=12.1km az=35.0.
ISC XI 10 14 57 50.2–.22 8.94S–.03 75.09W–.03 129–1 6.0b 2207 3-175
MOS XI 10 14 57 47.0–.92 8.78S 75.16W 104 6.1b **¶601883740**
ISCJB XI 10 14 57 47.7–.39 8.79S–.01 75.15W–.02 114–3 6.0b
BJI XI 10 14 57 47.7 8.91S 75.12W 120 6.0b
ARE XI 10 14 57 49.0–.00 8.88S 75.19W 135 6.0b
NEIC XI 10 14 57 49.0–.00 8.71S 74.64W 120 6.0b
IDC XI 10 14 57 50.7–.27 8.86S 75.10W 127–2 5.8,5.5
GCMT XI 10 14 57 50.7–.10 8.88S–.01 75.17W–.01 133–0 6.0W,5.5
NEIC XI 10 14 57 50.7–.09 8.87S 75.07W 129 6.0L,6.0W
NEIC XI 10 14 58 05.7–.00 8.96S 74.81W 105 6.0L,6.0W
ISC Event type fe.
MOS Error ellipse: s-maj=6.1km s-min=4.1km az=87.2.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=152.6.
ARE Event type se.
NEIC Event type se. Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.82 $M_{r\theta}$0.02 $M_{\theta\phi}$0.48 $M_{\phi r}$0.14 Best double couple: NP1:ϕ_s209.00000° ,δ48.00000°,λ-93.00000°. NP2:ϕ_s34.00000°,δ42.00000°,λ-85.00000°. Principal axes: T 1.1200,Plg3.0000°,Azm301.0000°; N 0.0300,Plg2.0000°,Azm211.0000° ; P -1.1600,Plg85.0000°,Azm79.0000° M_o1.10000×10^{18}
IDC Error ellipse: s-maj=6.9km s-min=5.2km az=70.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c283; s138,c382; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.24±.01 $M_{\theta\theta}$0.15±.01; $M_{\phi\phi}$1.09±.01; $M_{r\theta}$-0.03±.01; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$0.32±.01; Best double couple: NP1:ϕ_s198.00000°,δ51.00000° ,λ-100.00000°. NP2:ϕ_s33.00000°,δ39.00000°,λ-78.00000°. Principal axes: T 1.3800,Plg6.0000°,Azm294.0000°; N -0.0860,Plg7.0000°,Azm204.0000° ; P -1.2900,Plg80.0000°,Azm63.0000° M_o1.33500×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=67.0. Felt [V] at Aguaytia and Campoverde; [IV] at Huanuco; [III] at Cerro de Pasco and Lima. Felt in much of central Peru and as far as Chiclayo and the Cusco area. Also felt at Cruzeiro do Sul, Brazil. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.62 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s56 Moment tensor: Scale 10^{18} Nm; M_{rr}-1.04 $M_{\theta\theta}$0.03 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.30 $M_{\phi r}$0.31 Best double couple: NP1: ϕ_s21.00000°,δ38.00000°,λ-81.00000°. NP2:ϕ_s190.00000°,δ53.00000°,λ-97.00000°. Principal axes: T 1.1400,Plg8.0000°,Azm285.0000°; N -0.0500,Plg6.0000°,Azm194.0000° ; P -1.0900,Plg81.0000°,Azm68.0000° M_o1.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ40.00000°,λ-96.00000°. NP2: ϕ_s200.00000°,δ50.00000°,λ-85.00000°. Principal axes: T Plg5.0000°,Azm286.0000° ; N Plg0.0000°,Azm0.0000°; P Plg84.0000°,Azm145.0000°
NEIC Event type se. Moment Tensor Solution. s69 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.24 $M_{\theta\theta}$0.07 $M_{\phi\phi}$1.17 $M_{r\theta}$0.03 $M_{\theta\phi}$0.28 $M_{\phi r}$0.26 Best double couple: NP1:ϕ_s192.00000° ,δ51.00000°,λ-92.00000°. NP2:ϕ_s15.00000°,δ39.00000°,λ-88.00000°. Principal axes: T 1.2600,Plg6.0000°,Azm283.0000°; N 0.0100,Plg1.0000°,Azm193.0000° ; P -1.2700,Plg84.0000°,Azm91.0000° M_o1.30000×10^{18}
ISC XI 13 05 48 24.6–.59 9.33S–.07 74.33W–.08 150 3.8b 31 4-139
ISCJB XI 13 05 48 24.0–.51 9.34S–.05 74.30W–.07 150 3.8b **¶602389323**
IDC XI 13 05 48 24.6–1.8 9.19S 74.16W 141–22 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.4km az=164.1.
IDC Error ellipse: s-maj=27.1km s-min=13.8km az=38.0.
IDC XI 15 16 08 39.4–4.0 8.35S 76.36W 0 4.2b,4.1
¶602389471
IDC Error ellipse: s-maj=87.4km s-min=39.8km az=82.0.
ISC XI 18 09 52 22.6–.83 11.4S–.10 73.47W–.08 35 3.5b 10 3-139
ISCJB XI 18 09 52 20.9–.67 11.4S–.10 73.46W–.06 33 3.4b,3.2s **¶602389605**
IDC XI 18 09 52 22.6–3.5 11.34S 73.46W 35–34 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.7km az=5.6.
IDC Error ellipse: s-maj=34.4km s-min=17.2km az=22.0.
ISC XI 24 03 16 49.1–.86 11.7S–.10 72.37W–.07 35 3.8b 11 4-77
IDC XI 24 03 16 44.7–1.3 11.55S 72.36W 0 3.9,3.8 **¶602389922**
ISCJB XI 24 03 16 46.9–.67 11.67S–.08 72.41W–.05 33 3.8b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 27 02 12 29.3–3.7 14.59S 72.30W 141–33 3.7,3.5
¶602390030
IDC Error ellipse: s-maj=83.9km s-min=27.5km az=33.0.
ISC XII 05 00 23 35.2–.68 10.19S–.06 76.5W–.10 100 3.9b 26 2-78
ISCJB XII 05 00 23 34.2–.53 10.18S–.04 76.43W–.09 100 3.7b **¶602390478**
IDC XII 05 00 23 35.6–.94 10.26S 76.59W 113–12 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.1km az=175.2.
IDC Error ellipse: s-maj=23.3km s-min=9.1km az=75.0.
IDC XII 13 14 11 03.0–3.0 12.40S 72.08W 0 3.8,3.6
¶602391269
IDC Error ellipse: s-maj=116.5km s-min=36.0km az=47.0.
ISC XII 17 13 22 14.2–.52 8.19S–.06 76.18W–.09 35 4.2b 49 4-139
ISCJB XII 17 13 22 12.2–.38 8.18S–.04 76.21W–.07 33 4.2b,3.2s **¶602216201**
IDC XII 17 13 22 15.8–3.0 8.24S 76.28W 56–31 4.1,4.0
NEIC XII 17 13 22 15.5–.76 8.26S 76.26W 55–8 4.3L,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=4.8km az=169.8.
IDC Error ellipse: s-maj=22.0km s-min=18.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=6.4km az=55.0. Felt [III] at Uchiza.
ISC XII 18 19 31 57.7–.63 10.73S–.09 75.48W–.09 25 3.6b 16 2-143
IDC XII 18 19 31 54.5–.79 10.63S 75.42W 0 3.9,3.8 **¶602391625**
ISCJB XII 18 19 31 56.2–.59 10.70S–.07 75.41W–.07 25 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 19 00 41 07.8–4.5 14.34S 70.27W 84–49 3.7,3.5
¶602391644
IDC Error ellipse: s-maj=94.9km s-min=47.5km az=27.0.
ISC XII 29 01 57 40.2–.42 11.42S–.06 76.9W–.10 97–3 4.6b 155 1-161
ISCJB XII 29 01 57 39.3–.47 11.37S–.04 76.81W–.06 102–5 4.5b **¶602324118**
IDC XII 29 01 57 40.3–.35 11.43S 76.88W 93–3 4.2,4.0
NEIC XII 29 01 57 40.0–.00 11.37S 76.86W 96 4.6b,4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.0km az=160.3.
IDC Error ellipse: s-maj=18.9km s-min=7.6km az=73.0.
NEIC Event type fe. Felt [III] at Huaral and Lima; [II] at Antioquia, San Agustin de Huayopampa and San Borja. Also felt at Chaclacayo, Chosica, Huanuco, La Molina, Miraflores, San Isidro, San Juan de Miraflores and Santo Domingo de Los Olleros. After ARE.
ISC XII 30 20 49 28.6–.32 12.91S–.05 71.02W–.05 35 5.1b,4.5s 424 4-169
ISCJB XII 30 20 49 26.9–.22 12.63S–.04 70.85W–.04 33 5.0b,4.5s **¶602065120**
NEIC XII 30 20 49 27.8–1.8 12.86S 70.94W 28–13 5.2L,5.2b
IDC XII 30 20 49 28.1–1.6 12.89S 71.00W 33–10 4.5,4.5
BJI XII 30 20 49 29.8 13.30S 71.50W 39 5.3s,5.2b
GCMT XII 30 20 49 30.7–.40 12.57S–.03 71.21W–.03 51–2 5.0W,5.2b
ARE XII 30 20 49 35.0–.00 13.30S 71.54W 169 5.0W,5.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=40.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.4km az=59.0. Felt [II] at Cusco.
IDC Error ellipse: s-maj=14.9km s-min=11.2km az=51.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c40; s57,c69;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.26 $M_{\theta\theta}$-2.83±.17; $M_{\phi\phi}$2.49±.25; $M_{r\theta}$-1.60±.11; $M_{\theta\phi}$-2.10±.15; $M_{\phi r}$-0.21±.21; Best double couple: NP1:ϕ_s117.00000°,δ82.00000° ,λ-161.00000°. NP2:ϕ_s24.00000°,δ71.00000°,λ-9.00000°. Principal axes: T 3.2610,Plg7.0000°,Azm249.0000°; N 0.8630,Plg69.0000°,Azm140.0000° ; P -4.1200,Plg20.0000°,Azm342.0000° M_o3.69100×10^{16}
ARE Event type se.
ISC XII 30 20 59 22.2–.00 13.0S–.20 71.3W–.20 35 3.2b 6 4-82
IDC XII 30 20 59 17.4–1.3 12.87S 71.21W 0 3.7,3.6 **¶602380908**
ISCJB XII 30 20 59 20.0–.90 13.1S–.20 71.4W–.30 33 3.2b,3.6
ISC Event type ke.
ISCJB Event type ke.

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ISC VII 05 23 36 49.3–.59 15.07S–.09 73.02W–.07 101 4.1b 27 5-151
ISCJB VII 05 23 36 47.8–.53 15.08S–.07 73.03W–.05 101 4.0b **¶601351260**
NEIC VII 05 23 36 48.8–1.1 15.10S 73.02W 95–10 4.6b
IDC VII 05 23 36 48.8–1.8 15.15S 73.07W 95–15 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=19.7.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.8km az=220.0.
IDC Error ellipse: s-maj=22.5km s-min=11.5km az=41.0.
ISC VII 13 21 26 14.8–.33 15.22S–.04 73.12W–.06 105–2 5.0b 903 4-172
ISCJB VII 13 21 26 12.9–.12 15.06S–.02 72.90W–.04 107 5.0b **¶601273203**
NEIC VII 13 21 26 13.2–.43 15.23S 73.17W 89–4 5.1b,4.8L
MOS VII 13 21 26 13.6–1.1 15.15S 73.42W 98 5.0b,4.8L
GCMT VII 13 21 26 13.2–.30 15.26S 73.26W 117–2 5.1W,4.8L
IDC VII 13 21 26 15.1–.44 15.13S 73.23W 106–3 4.9,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.3km az=155.5.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=2.9km az=70.0. Felt [III] at Coracora and [II] at Ayacucho, Caraveli and Pausa. Also felt at Santa Eulalia.
MOS Error ellipse: s-maj=14.7km s-min=6.0km az=113.5.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s55,c66; s86,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.87±.12 $M_{\theta\theta}$-0.30±.12; $M_{\phi\phi}$4.18±.16; $M_{r\theta}$1.40±.09; $M_{\theta\phi}$-1.59±.14; $M_{\phi r}$-1.79±.13; Best double couple: NP1:ϕ_s331.00000°,δ59.00000° ,λ-103.00000°. NP2:ϕ_s175.00000°,δ33.00000°,λ-70.00000°. Principal axes: T 5.1930,Plg13.0000°,Azm71.0000°; N -0.6580,Plg11.0000°,Azm338.0000° ; P -4.5310,Plg73.0000°,Azm210.0000° M_o4.86200×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=8.5km az=55.0.
ISC VIII 30 00 23 51.9–.85 15.1S–.20 73.3W–.10 98 3.9b 14 5-147
ISCJB VIII 30 00 23 50.4–.90 15.0S–.20 73.3W–.10 98 3.7b **¶601650910**
IDC VIII 30 00 23 50.1–2.1 15.14S 73.35W 80–18 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=8.4km az=29.6.
IDC Error ellipse: s-maj=27.7km s-min=14.3km az=30.0.
ISC IX 02 10 11 48.8–.71 16.36S–.05 70.44W–.06 163–7 4.3b 211 2-153
ISCJB IX 02 10 11 48.3–.40 16.32S–.03 70.34W–.06 177–5 4.3b **¶601670447**
NEIC IX 02 10 11 48.5–.60 16.20S 70.23W 152–7 4.4b
IDC IX 02 10 11 51.0–1.4 16.01S 70.24W 168–9 4.1,3.8
GUC IX 02 10 11 51.6–.28 16.91S 70.84W 207–5 4.2L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.6km az=6.7.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.9km az=81.0.
IDC Error ellipse: s-maj=36.8km s-min=11.6km az=23.0.
GUC Error ellipse: s-maj=6.3km s-min=8.9km az=-1.0.
ISC IX 30 05 05 03.7–1.0 15.8S–.10 70.40W–.10 200 8 2-137
IDC IX 30 05 05 04.1–1.7 15.88S 70.29W 222–11 4.0,3.4 **¶601857519**
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=20.8km az=19.0.
ISC X 05 17 56 00.6–.56 15.67S–.05 70.86W–.07 167 4.2b 39 3-159
ISCJB X 05 17 55 59.4–.45 15.55S–.04 70.71W–.07 167 4.2b **¶601790340**
NEIC X 05 17 56 01.6–.65 15.59S 70.75W 184–8 4.5b
IDC X 05 17 56 05.5–2.1 15.53S 70.44W 202–17 4.1,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.1km az=163.5.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.8km az=96.0.
IDC Error ellipse: s-maj=29.1km s-min=22.2km az=97.0.
ISC X 09 21 25 37.2–1.1 15.13S–.09 72.0W–.10 133 3.3b 18 4-147
IDC X 09 21 25 40.4–3.6 14.78S 71.54W 150–32 3.4,3.2 **¶601997694**
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=30.2km az=85.0.
IDC X 31 00 12 37.8–2.6 15.53S 71.57W 141–16 3.8,3.4
¶602000551
IDC Error ellipse: s-maj=102.1km s-min=12.2km az=23.0.
ISC XI 03 09 47 01.3–.49 16.58S–.06 71.96W–.07 100 4.2b 66 2-153
ISCJB XI 03 09 46 59.6–.27 16.41S–.04 71.80W–.07 100 4.2b **¶602031601**
NEIC XI 03 09 47 02.4–.72 16.53S 71.81W 118–8 4.3b
IDC XI 03 09 47 04.9–1.6 16.37S 71.88W 124–13 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.3km az=152.9.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.4km az=85.0.
IDC Error ellipse: s-maj=20.9km s-min=11.1km az=26.0.
ISC XI 03 13 56 20.9–.53 15.65S–.05 71.81W–.06 127–5 4.8b 296 3-171
ISCJB XI 03 13 56 19.2–.55 15.49S–.04 71.52W–.07 127–6 4.7b **¶601869851**
NEIC XI 03 13 56 19.9–.57 15.51S 71.58W 114–6 4.9b
IDC XI 03 13 56 23.5–.73 15.47S 71.59W 145–6 4.6,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.8km az=156.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=73.0.
IDC Error ellipse: s-maj=13.4km s-min=9.9km az=44.0.
ISC XI 04 06 37 36.4–.28 15.98S–.03 72.03W–.04 122–2 5.4b 1370 1-173
ISCJB XI 04 06 37 32.6–.38 15.80S–.02 72.00W–.03 95–3 5.4b **¶601870073**
MOS XI 04 06 37 34.2–1.2 15.78S 72.06W 104 5.5b
ARE XI 04 06 37 35.0–.00 15.99S 72.28W 116 5.5b
GUC XI 04 06 37 36.5–.38 16.59S 72.35W 160–25 5.4L,5.1W
BJI XI 04 06 37 36.4 15.82S 72.67W 122 5.2b,5.1W
GCMT XI 04 06 37 37.3–.20 16.07S–.01 72.18W–.01 134–0 5.5W,5.1W
IDC XI 04 06 37 37.1–.53 15.80S 71.81W 119–4 5.2,4.9
NEIC XI 04 06 37 38.3–.11 15.87S 71.88W 138 5.4b,5.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=7.9km s-min=4.7km az=102.7.
ARE Event type se.
GUC Error ellipse: s-maj=9.2km s-min=13.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c153; s110,c191;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$0.51±.03; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-1.63±.03; $M_{\phi r}$-1.23±.03; Best double couple: NP1:ϕ_s360.00000°,δ85.00000°,λ-39.00000°. NP2:ϕ_s94.00000°,δ51.00000°,λ-174.00000°. Principal axes: T 2.3660,Plg23.0000° ,Azm53.0000°; N -0.6210,Plg51.0000°,Azm174.0000°; P -1.7440,Plg30.0000° ,Azm309.0000° M_o2.05500×10^{17}
IDC Error ellipse: s-maj=9.6km s-min=8.1km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=68.0. Felt [IV] at Aplao and [III] at Arequipa, Camana, Mollendo and Ocona.
GUC XI 22 10 46 39.7–.48 16.00S 71.27W 220–13 3.5L
¶604837429
GUC Error ellipse: s-maj=6.9km s-min=10.7km az=-1.0.
ISC XI 30 09 02 48.6–.36 15.37S–.05 72.92W–.07 102 4.5b 134 5-151
ISCJB XI 30 09 02 47.5–.20 15.23S–.03 72.73W–.05 102 4.5b **¶601995416**
IDC XI 30 09 02 47.6–1.8 15.18S 72.77W 86–16 4.5,4.3
NEIC XI 30 09 02 47.5–.53 15.22S 72.82W 81–5 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.2km az=150.7.
IDC Error ellipse: s-maj=19.9km s-min=11.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.0km az=67.0.
ISC XII 03 12 52 11.9–2.0 15.7S–.10 70.5W–.10 193 17 2-137
IDC XII 03 12 52 12.9–4.8 15.66S 70.34W 200–35 4.0,3.5 **¶601995969**
ISC Event type ke.
IDC Error ellipse: s-maj=68.2km s-min=43.8km az=127.0.
ISC XII 10 16 09 41.1–.54 15.28S–.06 72.53W–.08 114 4.0b 42 4-164
ISCJB XII 10 16 09 39.3–.43 15.32S–.05 72.55W–.08 114 3.9b **¶602035766**
IDC XII 10 16 09 39.0–1.7 15.08S 72.28W 88–18 4.1,3.9
NEIC XII 10 16 09 41.7–1.0 15.54S 72.86W 36–18 4.3b,3.9
GUC XII 10 16 09 42.6–.57 15.67S 72.86W 40 4.4L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=4.1km az=148.3.
IDC Error ellipse: s-maj=28.5km s-min=11.3km az=40.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.5km az=68.0.
GUC Error ellipse: s-maj=6.2km s-min=7.7km az=-1.0.

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SCB VII 09 20 53 58.5–3.1 17.38S 69.25W 0–5 3.5L
¶604718032

SCB Event type se. Error ellipse: s-maj=20.5km s-min=5.1km az=2.0.
ISC VII 13 00 57 55.2–.73 17.64S–.05 69.63W–.07 106–7 4.5b 308 1-150
ISCJB VII 13 00 57 53.4–.43 17.52S–.04 69.68W–.04 109–5 4.5b **¶601271929**
NEIC VII 13 00 57 57.2–1.1 17.60S 69.65W 122–9 4.6b,4.4L
GUC VII 13 00 57 57.3–.58 17.97S 70.06W 138–5 4.4L,4.4L
IDC VII 13 00 57 58.7–2.0 17.61S 69.56W 133–17 4.6,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=6.5km az=28.5.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=10.2km az=55.0. Felt [II] at Arica, Chile.
GUC Error ellipse: s-maj=5.5km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=12.6km az=83.0.
IDC VIII 06 02 21 31.6–1.8 14.58S 69.68W 136–19 3.7,3.5
¶601765532

IDC Error ellipse: s-maj=44.2km s-min=19.3km az=35.0.
ISC VIII 07 21 43 52.5–.52 17.99S–.04 69.81W–.07 98–5 4.2b 73 0-150
ISCJB VIII 07 21 43 51.6–.37 18.03S–.04 69.88W–.06 109–4 4.2b **¶601564308**
NEIC VIII 07 21 43 51.5–.52 17.99S 69.70W 90–5 4.4L,4.4b
GUC VIII 07 21 43 52.7–.48 18.01S 69.92W 89–3 4.3L,4.4b
IDC VIII 07 21 43 54.0–.91 18.09S 69.69W 109–7 4.3,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=6.7km az=178.5.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.6km az=82.0. Felt [III] at Alcerreca and Arica. Felt [II] at Tacna, Peru.
GUC Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=11.7km az=119.0.
ISC VIII 11 15 09 21.4–.58 17.93S–.03 69.32W–.04 136–5 4.5b 168 0-161
ISCJB VIII 11 15 09 20.7–.21 17.98S–.03 69.33W–.03 152–2 4.2b **¶601551784**
SCB VIII 11 15 09 20.6–1.5 17.97S 69.30W 143–8 4.5L
IDC VIII 11 15 09 20.4–2.3 17.76S 69.13W 118–20 4.4,4.2
NEIC VIII 11 15 09 21.4–.60 17.89S 69.20W 132–6 4.4b,4.2
GUC VIII 11 15 09 22.4–.59 17.96S 69.45W 135–4 4.4L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=23.8.
SCB Event type se. Error ellipse: s-maj=5.3km s-min=2.1km az=1.0.
IDC Error ellipse: s-maj=16.4km s-min=13.2km az=31.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.0km az=96.0.
GUC Error ellipse: s-maj=3.8km s-min=5.4km az=-1.0.
ISC VIII 11 22 00 17.9–.71 17.40S–.05 69.62W–.06 146–7 4.2b 35 1-149
ISCJB VIII 11 22 00 17.4–.47 17.43S–.05 69.62W–.07 157–5 4.2b **¶601582225**
GUC VIII 11 22 00 18.4–.76 17.48S 69.60W 145–7 3.9L
NEIC VIII 11 22 00 18.9–.71 17.36S 69.58W 152–7 4.0b
IDC VIII 11 22 00 19.2–1.5 17.37S 69.55W 156–11 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.2km az=22.0.
GUC Error ellipse: s-maj=3.6km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.7km az=75.0.
IDC Error ellipse: s-maj=19.8km s-min=19.2km az=0.0.
ISC VIII 27 16 21 45.8–.71 17.94S–.05 69.39W–.08 136–6 3.9b 33 0-150
ISCJB VIII 27 16 21 44.7–.45 17.90S–.05 69.40W–.08 140–4 3.8b **¶601627756**
GUC VIII 27 16 21 45.9–.73 17.99S 69.41W 133–4 3.6L
IDC VIII 27 16 21 47.3–1.4 17.84S 69.13W 146–12 4.2,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.2km az=21.6.
GUC Error ellipse: s-maj=2.8km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=14.8km az=86.0.
ISC IX 06 07 34 03.8–.89 17.79S–.04 69.28W–.06 142–7 40 1-150
ISCJB IX 06 07 34 02.7–.59 17.75S–.04 69.40W–.06 154–5 3.8b **¶601863033**
GUC IX 06 07 34 03.8–.67 17.69S 69.20W 102–7 3.4L
SCB IX 06 07 34 05.6–2.4 17.85S 69.12W 4–11 3.8L
IDC IX 06 07 34 05.7–1.8 17.73S 68.97W 153–14 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=26.5.
GUC Error ellipse: s-maj=4.6km s-min=5.3km az=-1.0.
SCB Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=1.0.
IDC Error ellipse: s-maj=33.0km s-min=24.2km az=114.0.
ISC IX 12 17 11 53.9–1.1 16.95S–.09 69.5W–.10 181–7 4.0b 28 1-149
IDC IX 12 17 11 53.9–.99 16.51S 69.56W 186–7 4.2,3.7 **¶601863421**
GUC IX 12 17 11 56.0–.34 17.20S 69.16W 162–4 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=14.7km az=10.0.
GUC Error ellipse: s-maj=4.1km s-min=5.0km az=-1.0.
ISC IX 15 23 41 24.6–.40 16.71S–.06 69.23W–.06 200 4.2b 119 1-160
ISCJB IX 15 23 41 23.6–.22 16.69S–.04 69.11W–.04 200 4.2b **¶601717932**
NEIC IX 15 23 41 24.5–.34 16.73S 69.15W 193–3 4.3b
IDC IX 15 23 41 26.3–.65 16.70S 69.07W 212–4 4.4,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=149.3.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=70.0.
IDC Error ellipse: s-maj=14.7km s-min=10.3km az=24.0.
IDC IX 22 01 13 55.9–5.4 15.56S 69.51W 167–66 4.0,3.6b
¶601863973

IDC Error ellipse: s-maj=289.7km s-min=75.0km az=13.0.
ISC IX 29 17 48 57.8–.27 17.53S–.03 69.72W–.04 133–2 5.2b 1414 1-173
MOS IX 29 17 48 53.7–1.2 17.30S 69.63W 101 5.3b **¶601767300**
ISCJB IX 29 17 48 56.7–.12 17.35S–.02 69.57W–.03 139 5.1b
GUC IX 29 17 48 56.6–.66 17.50S 69.63W 125–7 5.2L
IDC IX 29 17 48 59.3–.43 17.40S 69.63W 138–3 5.1,4.8
NEIC IX 29 17 48 59.5–.17 17.18S 69.41W 138 5.2L,5.1b
BJI IX 29 17 48 59.0 17.50S 69.70W 131 5.4b,5.1b
GCMT IX 29 17 49 03.5–.20 17.64S–.01 69.86W–.01 146–1 5.3W,5.1b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Arica and Poconchile; [II] at Alto Hospicio, Codpa, Cuya, Mamina and Pisagua, Chile. Also felt [III] at Tacna, Peru.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c99; s110,c188;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.02 $M_{\theta\theta}$-0.34±.02; $M_{\phi\phi}$0.38±.03; $M_{r\theta}$0.36±.01; $M_{\theta\phi}$0.62±.02; $M_{\phi r}$-0.79±.02; Best double couple: NP1:ϕ_s344.00000°,δ88.00000°,λ-130.00000°. NP2:ϕ_s252.00000°,δ40.00000°,λ-3.00000°. Principal axes: T 1.0540,Plg31.0000° ,Azm106.0000°; N 0.1340,Plg40.0000°,Azm345.0000°; P -1.1880,Plg34.0000° ,Azm220.0000° $M_0$1.12100×10^{17}
IDC X 21 18 21 23.4–4.0 15.27S 69.93W 237–25 3.8,3.4
¶606857474

IDC Error ellipse: s-maj=66.0km s-min=23.5km az=110.0.
ISC X 24 10 40 43.0–1.3 17.84S–.08 70.0W–.10 116–9 3.8b 17 1-77
ISCJB X 24 10 40 42.4–1.0 17.84S–.07 70.0W–.10 119–7 3.6b **¶601999475**
GUC X 24 10 40 42.9–.62 17.83S 69.93W 118–5 3.9L
IDC X 24 10 40 45.0–3.4 17.65S 69.87W 134–21 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=8.5km az=26.9.
GUC Error ellipse: s-maj=2.8km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=61.5km s-min=28.1km az=123.0.
ISC XI 03 00 16 40.3–.95 15.6S–.20 70.0W–.10 224 3.8b 12 2-148
IDC XI 03 00 16 41.8–1.2 15.75S 69.96W 244–7 4.0,3.4 **¶602388746**
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=15.9km az=26.0.
ISC XI 07 04 49 13.4–1.2 16.7S–.20 69.5W–.10 189 7 1-76
ISCJB XI 07 04 49 12.8–1.0 16.8S–.10 69.5W–.10 189 3.7b **¶602388943**
IDC XI 07 04 49 13.5–1.3 16.70S 69.43W 197–7 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=14.4km az=177.3.
IDC Error ellipse: s-maj=25.1km s-min=21.2km az=166.0.
ISC XI 07 07 54 51.0–.71 17.05S–.04 69.49W–.05 174–6 3.2b 50 1-136
ISCJB XI 07 07 54 50.3–.48 17.08S–.04 69.50W–.05 187–4 3.4b **¶601876354**
GUC XI 07 07 54 52.3–.64 16.97S 69.52W 151–8 4.2L
IDC XI 07 07 54 52.9–.98 16.78S 69.34W 186–8 3.9,3.5
SCB XI 07 07 54 56.0–3.3 17.39S 69.21W 0–4 3.7L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=35.5.
GUC Error ellipse: s-maj=5.4km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=16.3km az=51.0.
SCB Event type se. Error ellipse: s-maj=12.9km s-min=4.7km az=2.0.
ISC XI 11 10 14 21.3–.69 17.24S–.05 69.52W–.06 165–7 4.1b 32 1-149
ISCJB XI 11 10 14 21.1–.49 17.23S–.05 69.59W–.08 173–5 4.0b **¶602389216**
GUC XI 11 10 14 22.3–.63 17.40S 69.73W 174–5 3.7L
IDC XI 11 10 14 23.3–1.1 17.21S 69.34W 176–8 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=8.1km az=24.1.
GUC Error ellipse: s-maj=6.3km s-min=8.2km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=15.3km az=91.0.
ISC XI 16 06 13 43.7–.62 17.66S–.04 69.54W–.05 151–6 4.2b 76 1-140
ISCJB XI 16 06 13 43.1–.32 17.74S–.03 69.49W–.06 168–3 4.2b **¶601992168**
GUC XI 16 06 13 44.8–.49 17.79S 69.63W 155–3 4.1L
NEIC XI 16 06 13 44.0–.00 17.74S 69.61W 154 4.1L,4.1b
IDC XI 16 06 13 44.3–.96 17.67S 69.49W 158–7 4.5,4.0
SCB XI 16 06 13 47.0–1.5 17.63S 69.37W 117–66 3.5L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.3km az=18.0.
GUC Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=14.0km s-min=10.1km az=104.0.
SCB Event type se. Error ellipse: s-maj=36.8km s-min=26.9km az=0.0.
ISC XI 26 22 27 38.3–.65 17.65S–.05 69.63W–.07 132–6 4.3b 45 1-143
ISCJB XI 26 22 27 37.8–.45 17.66S–.04 69.69W–.08 146–4 4.2b **¶601994673**
GUC XI 26 22 27 38.6–.64 17.69S 69.82W 134–4 3.9L
IDC XI 26 22 27 39.4–1.1 17.67S 69.47W 140–9 4.4,4.1
NEIC XI 26 22 27 39.4–.00 17.63S 69.81W 131 4.0L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=14.1.
GUC Error ellipse: s-maj=4.3km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=18.3km s-min=9.6km az=101.0.
NEIC Event type se. After GUC.
ISC XII 06 18 58 56.1–.43 17.94S–.04 69.37W–.05 131–3 4.8b 365 0-171
ISCJB XII 06 18 58 53.4–.28 17.85S–.03 69.45W–.04 131–3 4.7b **¶602000866**
BJI XII 06 18 58 55.0 17.90S 69.50W 123 5.1b
GUC XII 06 18 58 55.4–.63 17.92S 69.54W 132–4 4.5L
IDC XII 06 18 58 56.8–.55 17.83S 69.21W 135–4 4.7,4.3
NEIC XII 06 18 58 56.1–.21 17.89S 69.25W 133 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=158.0.
GUC Error ellipse: s-maj=2.6km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=9.8km az=78.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=76.0.
ISC XII 10 20 41 56.4–1.2 17.77S–.07 69.7W–.10 151–8 20 1-77
ISCJB XII 10 20 41 56.1–.93 17.86S–.06 69.8W–.10 162–6 3.6b **¶602391023**
GUC XII 10 20 41 58.6–.74 17.85S 69.64W 143–4 3.3L
IDC XII 10 20 42 03.1–5.3 16.64S 69.48W 180–19 4.0,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=9.3km az=7.9.
GUC Error ellipse: s-maj=4.3km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=304.0km s-min=83.2km az=165.0.
ISC XII 11 02 13 27.1–.67 17.69S–.04 69.73W–.06 143–6 4.3b 93 1-150
ISCJB XII 11 02 13 27.1–.40 17.80S–.03 69.80W–.06 169–3 4.1b **¶602330516**
NEIC XII 11 02 13 28.0–.00 17.81S 69.84W 158 4.5b,4.4L
IDC XII 11 02 13 29.2–1.1 17.67S 69.46W 154–9 4.4,4.0
GUC XII 11 02 13 29.1–.39 17.77S 69.79W 158–3 4.4L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=7.9.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=18.3km s-min=9.0km az=102.0.
GUC Error ellipse: s-maj=2.8km s-min=4.7km az=-1.0.
ISC XII 15 23 39 57.6–1.4 17.50S–.08 70.0W–.10 151–8 20 1-77
ISCJB XII 15 23 39 57.7–1.0 17.55S–.06 69.9W–.10 157–6 3.5b **¶602391427**
GUC XII 15 23 39 59.1–.46 17.65S 69.88W 146–3 3.3L
IDC XII 15 23 40 01.5–4.9 17.68S 69.35W 159–13 3.9,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=7.9km az=18.9.
GUC Error ellipse: s-maj=3.8km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=109.8km s-min=11.9km az=105.0.
ISC XII 31 23 11 13.0–.47 17.85S–.04 69.87W–.05 128–4 4.1b 85 1-150
ISCJB XII 31 23 11 12.0–.40 17.88S–.03 69.81W–.05 137–3 4.0b **¶602077271**
NEIC XII 31 23 11 12.8–.69 17.83S 69.77W 122–7 4.3b,4.2L
IDC XII 31 23 11 13.8–.60 17.77S 69.64W 130–4 4.3,4.0
GUC XII 31 23 11 13.7–.58 17.93S 69.92W 121–3 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=5.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.2km az=103.0.
IDC Error ellipse: s-maj=14.5km s-min=12.5km az=31.0.
GUC Error ellipse: s-maj=3.0km s-min=4.3km az=-1.0.

(120) Central Bolivia.

SCB VIII 09 09 20 10.9–2.5 17.50S 65.92W 5–10 4.2L
¶604718046

SCB Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=0.0.
ISC IX 23 07 44 04.5–.99 17.6S–.20 63.50W–.07 10 3.6b 10 3-149
ISCJB IX 23 07 44 03.0–.89 17.6S–.10 63.4W–.10 10 4.5s,3.6b **¶601864033**
IDC IX 23 07 44 03.5–1.0 17.65S 63.63W 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=12.7km az=158.6.
IDC Error ellipse: s-maj=28.5km s-min=15.4km az=156.0.
IDC X 22 09 26 40.9–1.4 17.08S 65.02W 0 3.9,3.8
¶601999259

IDC Error ellipse: s-maj=29.9km s-min=25.5km az=13.0.
SCB XI 04 04 09 51.8–1.7 17.64S 65.69W 216–162 3.5L
¶604715382

SCB Event type se. Error ellipse: s-maj=132.7km s-min=98.9km az=1.0.
SCB XI 08 04 09 26.7–1.3 17.50S 65.81W 3–3 3.5L
¶604715514

SCB Event type se. Error ellipse: s-maj=2.9km s-min=2.5km az=0.0.
IDC XII 04 12 57 35.3–3.0 16.90S 65.47W 0 4.6L,4.1
¶602390448

IDC Error ellipse: s-maj=151.0km s-min=26.9km az=4.0.

(121) Off coast of northern Chile.

ISC VII 01 17 44 58.6–.70 20.68S–.03 71.47W–.05 29–4 4.7b,3.9s 701 2-174
MOS VII 01 17 44 57.6–1.3 20.51S 71.17W 29 4.9b,3.9s **¶601218201**
NEIC VII 01 17 44 58.0–.00 20.84S 71.32W 33 5.1L,4.7b
ISCJB VII 01 17 44 58.4–.59 20.60S–.02 71.34W–.05 46–6 4.6b,4.0s
BJI VII 01 17 44 59.8 20.60S 70.80W 30 5.0s,4.9
GUC VII 01 17 44 59.5–.48 20.59S 71.25W 32–2 5.2L,4.9
IDC VII 01 17 45 01.6–.65 20.55S 71.37W 50–5 4.8,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=17.6km s-min=7.1km az=113.7.
NEIC Event type fe. Felt [III] at Alto Hospicio, Iquique and Pica. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.3km az=174.2.
GUC Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=10.2km az=78.0.
ISC VII 05 08 44 36.7–1.2 18.50S–.05 71.27W–.09 59–12 3.9b 30 1-151
GUC VII 05 08 44 34.6–.60 18.39S 71.29W 37–3 3.9L **¶601663506**
ISCJB VII 05 08 44 35.4–.89 18.55S–.04 71.34W–.08 68–10 3.9b
IDC VII 05 08 44 42.0–2.4 18.05S 71.05W 98–21 4.1,3.9
ISC Event type ke.
GUC Error ellipse: s-maj=4.4km s-min=3.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.2km az=177.4.
IDC Error ellipse: s-maj=23.4km s-min=18.0km az=53.0.
ISC IX 01 07 29 53.2–1.2 26.24S–.05 71.1W–.20 35 17 2-151
IDC IX 01 07 29 49.5–2.5 26.31S 70.57W 0 4.1L,3.9 **¶601668345**
ISCJB IX 01 07 29 50.7–.96 26.23S–.04 71.3W–.20 35 3.8b,3.9
GUC IX 01 07 29 51.2–.44 26.23S 70.52W 111–9 3.9L,3.9
ISC Event type ke.

IDC Error ellipse: s-maj=123.8km s-min=31.2km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=5.1km az=2.3.
GUC Error ellipse: s-maj=1.2km s-min=23.9km az=-1.0.
ISC IX 24 10 48 23.7–3.3 21.95S–.05 71.29W–.09 24–23 4.1b 25 1-147
IDC IX 24 10 48 19.6–1.1 22.06S 71.21W 0 4.2,4.2b **¶601864089**
ISCJB IX 24 10 48 23.0–1.8 21.94S–.04 71.36W–.06 31–13 4.1b,4.2b
GUC IX 24 10 48 23.3–.29 21.80S 71.30W 38–2 3.3L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=26.7km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.3km az=179.0.
GUC Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISC X 07 09 18 23.2–1.3 26.40S–.04 71.12W–.09 34 31 1-151
SJA X 07 09 18 03.7–.29 25.51S 71.47W 10–5 3.8L,3.3W **¶601997352**
IDC X 07 09 18 15.5–2.9 26.33S 70.34W 0 3.8b,3.6
GUC X 07 09 18 19.8–.47 26.42S 70.94W 45–14 3.5L,3.6
ISCJB X 07 09 18 21.6–.71 26.39S–.03 71.03W–.09 34 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
GUC X 10 12 26 14.1–.44 22.22S 71.29W 10 2.8L
¶604836943
GUC Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
ISC X 14 14 48 59.6–1.3 18.31S–.08 71.4W–.10 34 17 1-144
GUC X 14 14 49 01.7–.50 18.59S 71.34W 33–2 3.6L **¶601998224**
IDC X 14 14 49 16.7–5.6 18.10S 70.44W 156–34 3.9,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=3.2km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=91.8km s-min=57.4km az=112.0.
ISC X 15 00 28 07.2–1.1 25.46S–.06 71.2W–.20 35 17 1-150
IDC X 15 00 28 03.2–1.4 25.57S 70.80W 0 3.9b,3.8 **¶601861540**
GUC X 15 00 28 07.8–.53 25.55S 70.54W 10–19 3.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=66.2km s-min=35.3km az=96.0.
GUC Error ellipse: s-maj=1.7km s-min=13.3km az=-1.0.
ISC X 23 14 34 23.8–2.4 18.18S–.06 71.3W–.10 12–12 19 1-125
GUC X 23 14 34 28.9–.67 18.20S 71.18W 52–4 3.7L **¶601999377**
IDC X 23 14 34 40.0–15 17.71S 70.71W 124–67 4.0,3.6
ISC Event type ke.
GUC Error ellipse: s-maj=4.1km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=178.8km s-min=55.5km az=65.0.
ISC X 25 14 26 21.8–.49 25.79S–.03 71.17W–.07 35 4.6b,3.9s 76 1-169
SJA X 25 14 26 12.7–.49 25.50S 71.42W 10 4.5L,4.1W **¶601848630**
IDC X 25 14 26 17.4–.58 25.97S 70.40W 0 4.4,4.3b
ISCJB X 25 14 26 20.3–.46 25.84S–.02 71.04W–.07 35 4.2b,3.8s
GUC X 25 14 26 21.7–.60 25.93S 70.09W 24–53 4.7L,3.8s
NEIC X 25 14 26 21.0–.00 25.93S 70.09W 24 4.7L,3.8s
ISC Event type fe.
SJA Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=15.3km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.4km az=4.2.
GUC Error ellipse: s-maj=4.7km s-min=89.3km az=-1.0.
NEIC Event type fe. Felt [IV] at Copiapo and Tierra Amarilla; [III] at Caldera, Chanaral, Diego de Almagro and Taltal. After GUC.
GUC XI 10 23 25 43.9–.34 26.66S 72.11W 25–16 3.5L
¶604837274
GUC Error ellipse: s-maj=2.6km s-min=14.5km az=-1.0.
ISC XII 31 21 18 34.2–2.0 25.4S–.10 71.1W–.20 35 16 1-150
GUC XII 31 21 18 31.4–.56 25.31S 71.14W 29–3 3.8L **¶604837854**
IDC XII 31 21 19 00.9–10 23.70S 69.63W 179–86 3.6,3.6b
ISC Event type ke.
GUC Error ellipse: s-maj=3.7km s-min=8.7km az=-1.0.
IDC Error ellipse: s-maj=120.2km s-min=50.6km az=159.0.

(122) Near coast of northern Chile.

ISC VII 08 09 12 18.1–1.6 20.50S–.03 70.56W–.07 10–10 4.2b 44 1-153
NEIC VII 08 09 12 20.0–.00 20.51S 70.47W 36 4.4b,4.0L **¶601351263**
GUC VII 08 09 12 20.6–.50 20.51S 70.47W 36–1 4.0L,4.0L
IDC VII 08 09 12 27.5–3.0 20.34S 70.14W 82–25 3.9,3.7
ISC Event type fe.
NEIC Event type fe. Felt [III] at Alto Hospicio and Iquique. After GUC.
GUC Error ellipse: s-maj=0.8km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=29.0km s-min=18.6km az=86.0.
IDC VII 10 03 23 22.8–562 21.75S 70.45W 0
¶601664365
IDC Error ellipse: s-maj=228.7km s-min=120.5km az=29.0.
ISC VII 14 02 43 25.7–2.0 27.43S–.04 71.29W–.06 7–12 3.9b 54 1-152
SJA VII 14 02 43 23.2–.39 27.35S 71.94W 33 4.0L,3.8W **¶601456899**
IDC VII 14 02 43 25.2–.88 27.48S 71.10W 0 4.0,3.9b
NEIC VII 14 02 43 29.0–.00 27.50S 70.85W 84 3.9L,3.5b
GUC VII 14 02 43 29.2–.42 27.50S 70.85W 84–9 3.9L,3.5b
ISC Event type fe.
SJA Error ellipse: s-maj=7.2km s-min=11.9km az=-1.0.
IDC Error ellipse: s-maj=37.0km s-min=27.2km az=73.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=3.3km s-min=13.3km az=-1.0.
ISC VII 14 13 11 37.2–1.4 19.82S–.05 70.5W–.10 54–11 16 0-145
IDC VII 14 13 11 30.6–2.2 21.01S 69.44W 0 4.1b,3.8 **¶601664566**
ISCJB VII 14 13 11 37.2–1.2 19.85S–.05 70.54W–.10 47–17 4.0b,3.8
GUC VII 14 13 11 37.2–.64 19.81S 70.45W 54–5 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=89.1km s-min=49.8km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=7.8km az=165.6.
GUC Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
GUC VII 17 15 30 34.1–.77 21.22S 70.01W 66–6 3.8L
¶604836349
GUC Error ellipse: s-maj=2.6km s-min=6.8km az=-1.0.
ISC VII 18 18 24 10.7–.81 20.76S–.03 70.54W–.05 26–5 5.1b,4.5s 840 1-178
ISCJB VII 18 18 24 07.3–.92 20.51S–.03 70.38W–.04 15–6 5.0b,4.5s **¶601404618**
GCMT VII 18 18 24 08.7–.20 20.79S 70.90W 29–0 5.2W,4.5s
NEIC VII 18 18 24 08.7–1.4 20.69S 70.37W 11–9 5.1W,5.1b
GUC VII 18 18 24 10.6–.69 20.80S 70.56W 28–16 5.2L,5.1b
MOS VII 18 18 24 11.9–1.1 20.37S 70.34W 33 5.2b,4.5s
IDC VII 18 18 24 12.1–2.6 20.68S 70.34W 34–18 4.8,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.8km az=155.9.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s65,c88; s77,c116; Duration: 1↕0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.62±.02; $M_{r\theta}$0.11±.02; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$-0.62±.03; Best double couple: NP1:ϕ_s171.00000°,δ68.00000°,λ88.00000°. NP2:ϕ_s358.00000°,δ22.00000°,λ96.00000°. Principal axes: T 0.8590,Plg67.0000°,Azm77.0000°; N 0.0370,Plg2.0000°,Azm172.0000°; P -0.8950,Plg23.0000°,Azm263.0000° $M_0$0.87700×10^{17}
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.1km az=73.0. Felt [IV] at Iquique. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}1.75 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-2.15 $M_{r\theta}$0.46 $M_{\theta\phi}$0.00 $M_{\phi r}$-4.45 Best double couple: NP1:ϕ_s8.00000°,δ12.00000°,λ104.00000°. NP2: ϕ_s174.00000°,δ78.00000°,λ87.00000°. Principal axes: T 4.6900,Plg57.0000°,Azm81.0000°; N 0.3800,Plg3.0000°,Azm175.0000°; P -5.0800,Plg33.0000°,Azm267.0000° $M_0$4.90000×10^{16}
GUC Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
MOS Error ellipse: s-maj=13.8km s-min=7.3km az=110.5.
IDC Error ellipse: s-maj=17.1km s-min=11.3km az=70.0.
GUC VII 20 08 43 14.7–.76 20.82S 70.55W 45–2 3.6L
¶604836370
GUC Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.
GUC VII 21 13 00 02.1–.86 20.82S 70.60W 43–2 3.7L
¶604836377
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
GUC VII 21 19 13 22.6–.60 23.43S 70.52W 34–1 3.5L
¶604836378
GUC Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
GUC VII 29 16 39 26.1–.51 20.79S 70.57W 41–1 4.1L
¶601484880

GUC Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0.
ISC VII 31 11 20 50.4–1.7 19.61S–.04 70.60W–.08 26–12 4.0b 25 0-145
GUC VII 31 11 20 50.1–.64 19.65S 70.65W 38–2 3.9L **¶601650819**
IDC VII 31 11 20 59.2–3.1 19.52S 70.17W 102–28 4.1,3.8b
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=34.9km s-min=23.1km az=96.0.
GUC VIII 05 04 54 46.2–.90 21.00S 70.26W 60–8 3.4L
¶604836482
GUC Error ellipse: s-maj=4.0km s-min=6.0km az=-1.0.
ISC VIII 05 09 15 15.0–.62 27.72S–.04 70.32W–.05 97–4 3.3b 56 0-151
ISCJB VIII 05 09 15 13.8–.39 27.68S–.03 70.29W–.05 102–5 3.5b **¶601565553**
NEIC VIII 05 09 15 13.0–.00 27.72S 70.27W 101 4.0L
GUC VIII 05 09 15 14.1–.82 27.68S 70.56W 92–16 3.7L
SJA VIII 05 09 15 14.8–.44 27.73S 70.22W 101 3.7L,3.4W
IDC VIII 05 09 15 15.8–.74 27.80S 70.25W 95–5 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=173.1.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=6.6km s-min=42.1km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=33.0km s-min=20.6km az=61.0.
ISC VIII 06 06 06 54.6–1.9 25.26S–.05 70.9W–.20 47–15 4.1b 28 1-150
IDC VIII 06 06 06 49.6–2.5 25.64S 70.35W 0 4.1,4.1 **¶601765536**
ISCJB VIII 06 06 06 54.9–1.0 25.20S–.04 70.8W–.20 66–8 3.9b,4.1
GUC VIII 06 06 06 56.8–.45 24.89S 71.10W 38–11 3.9L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=60.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=30.7km s-min=6.3km az=3.8.
GUC Error ellipse: s-maj=12.3km s-min=12.9km az=-1.0.
ISC VIII 07 00 39 04.1–.34 27.85S–.03 70.59W–.05 62–2 5.2b 973 0-177
SJA VIII 07 00 38 56.8–.62 27.57S 71.20W 42–11 5.6W,5.4L **¶601521551**
MOS VIII 07 00 39 01.2–1.0 27.75S 70.45W 42 5.3b,5.4L
NEIC VIII 07 00 39 02.0–.00 27.80S 70.80W 68 5.6L,5.2b
ISCJB VIII 07 00 39 02.3–.37 27.66S–.02 70.34W–.04 56–3 5.2b,4.2s
GUC VIII 07 00 39 03.0–.63 27.88S 70.58W 74–5 5.8W,5.5L
IDC VIII 07 00 39 04.7–.38 27.82S 70.38W 64–2 4.9,4.7
BJI VIII 07 00 39 05.6 27.80S 70.80W 60 5.1b,5.1s
GCMT VIII 07 00 39 07.0–.20 27.96S–.01 70.88W–.01 66–1 5.3W,5.1s
ISC Event type fe.
NEIC Event type fe. Felt [V] at Caldera, Copiapo, Tierra Amarilla and Vallenar; [IV] at Alto del Carmen, Coquimbo, Freirina, Huasco, La Higuera, La Serena, Rio Hurtado and Vicuna; [III] at Chanaral, Diego de Almagro and Paiguano. After GUC.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c129; s90,c145;Duration: 1↕1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00±.02 $M_{\theta\theta}$-0.14±.02; $M_{\phi\phi}$0.13±.03; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.70±.02; $M_{\phi r}$0.90±.02; Best double couple: NP1:ϕ_s6.00000°,δ90.00000°,λ52.00000°. NP2:ϕ_s276.00000°,δ38.00000°,λ180.00000°. Principal axes: T 1.1450,Plg34.0000°,Azm244.0000°; N 0.0140,Plg38.0000°,Azm6.0000°; P -1.1590,Plg34.0000°,Azm128.0000° $M_0$1.15200×10^{17}
GUC VIII 09 17 07 56.5–.59 24.19S 70.02W 48–4 3.6L
¶604836511
GUC Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.
ISC VIII 13 15 20 13.7–1.7 21.95S–.04 70.52W–.08 24–14 21 1-7
ISCJB VIII 13 15 20 13.0–1.9 21.94S–.04 70.56W–.08 13–18 **¶603977231**
GUC VIII 13 15 20 15.1–.56 21.96S 70.43W 30–6 3.8L
SJA VIII 13 15 20 16.1–1.0 22.14S 70.41W 10 3.3L,2.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=4.9km az=20.4.
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
SJA Error ellipse: s-maj=6.7km s-min=7.2km az=-1.0.
ISC VIII 14 11 55 43.2–1.1 27.03S–.03 70.99W–.07 10 31 1-7
SJA VIII 14 11 55 42.6–1.1 27.17S 71.66W 26–67 3.8W,3.8L **¶603977241**
ISCJB VIII 14 11 55 43.2–.64 26.98S–.03 71.03W–.07 10 3.8W,3.8L
GUC VIII 14 11 55 45.4–.48 27.14S 70.47W 93–8 3.8L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=39.9km s-min=38.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.2km az=174.8.
GUC Error ellipse: s-maj=5.7km s-min=21.1km az=-1.0.
ISC VIII 14 17 38 08.6–.94 24.98S–.05 70.7W–.10 38 33 0-149
GUC VIII 14 17 38 03.1–.63 25.25S 70.47W 84–6 4.4L **¶601561824**
ISCJB VIII 14 17 38 07.6–.84 25.00S–.03 70.6W–.10 38 4.4L
SJA VIII 14 17 38 07.9–.22 24.99S 70.37W 33 3.4L,3.2W
IDC VIII 14 17 38 09.2–1.1 24.91S 71.00W 50–7 4.0,3.8
ISC Event type ke.
GUC Error ellipse: s-maj=14.5km s-min=20.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=3.9km az=177.8.
SJA Error ellipse: s-maj=0.9km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=52.5km s-min=38.9km az=119.0.
ISC VIII 16 10 26 41.4–.99 18.52S–.07 70.5W–.10 74–7 3.9b 20 0-135
ISCJB VIII 16 10 26 40.5–.69 18.38S–.08 70.5W–.10 78–5 3.7b **¶601765935**
GUC VIII 16 10 26 42.5–.34 18.57S 70.51W 67–2 3.9L
IDC VIII 16 10 26 46.5–5.1 18.30S 70.28W 113–35 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=10.4km az=151.3.
GUC Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=60.8km s-min=21.2km az=23.0.
GUC VIII 20 17 20 40.4–.53 19.74S 70.51W 46–1 3.7L
¶604836575
GUC Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0.
ISC VIII 26 08 35 01.6–1.8 27.70S–.04 71.01W–.08 16–13 23 1-5
GUC VIII 26 08 35 01.3–.58 27.69S 70.87W 64–8 3.9L **¶603977411**
SJA VIII 26 08 35 02.2–.64 27.81S 71.14W 68–12 3.5W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=3.5km s-min=6.4km az=-1.0.
SJA Error ellipse: s-maj=8.6km s-min=13.9km az=-1.0.
ISC IX 01 10 38 39.3–.45 27.25S–.03 71.25W–.06 29–3 5.0b,4.2s 627 1-178
ISCJB IX 01 10 38 37.6–.14 27.20S–.02 71.02W–.05 29 4.9b,4.2s **¶601670020**
MOS IX 01 10 38 37.0–1.2 27.26S 71.20W 24 5.1b,4.2s
NEIC IX 01 10 38 39.2–.15 27.24S 71.11W 28 5.0L,5.0b
IDC IX 01 10 38 39.9–4.1 27.31S 71.18W 33–30 4.5,4.4
GUC IX 01 10 38 40.6–.64 27.44S 71.16W 64–20 5.0L,4.4
BJI IX 01 10 38 40.5 27.20S 71.10W 28 5.0b,5.0s
GCMT IX 01 10 38 42.2–.20 27.46S–.02 71.57W–.02 49–3 5.1W,5.0s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Copiapo; [IV] at Caldera, Chanaral and Tierra Amarilla; [III] at Vallenar.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c41; s95,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64±.25 $M_{\theta\theta}$1.84±.16; $M_{\phi\phi}$-2.47±.20; $M_{r\theta}$-1.38±.11; $M_{\theta\phi}$1.42±.12; $M_{\phi r}$-4.78±.27; Best double couple: NP1:ϕ_s199.00000°,δ85.00000°,λ116.00000°. NP2:ϕ_s298.00000°,δ26.00000°,λ10.00000°. Principal axes: T 5.2340,Plg44.0000°,Azm134.0000°; N 0.7310,Plg25.0000°,Azm17.0000°; P -5.9580,Plg35.0000°,Azm267.0000° $M_0$5.59600×10^{16}
ISC IX 04 01 57 32.1–.85 22.99S–.05 70.19W–.07 53–8 3.9b 28 1-148
ISCJB IX 04 01 57 31.3–.51 23.01S–.04 70.17W–.07 64–4 4.0b **¶601673748**
GUC IX 04 01 57 32.2–.91 22.93S 70.19W 46–2 4.2L
IDC IX 04 01 57 33.2–3.5 22.96S 70.11W 61–30 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.2km az=21.3.
GUC Error ellipse: s-maj=2.7km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=20.8km az=70.0.
GUC IX 04 23 09 57.2–.73 21.72S 70.27W 36–7 2.2L
¶604836656
GUC Error ellipse: s-maj=2.0km s-min=6.2km az=-1.0.
ISC IX 15 10 38 59.3–1.4 18.50S–.05 70.7W–.10 43–12 4.4b 34 0-162
ISCJB IX 15 10 38 59.1–1.0 18.54S–.04 70.72W–.08 42–8 4.2b **¶601734495**
GUC IX 15 10 39 01.5–.53 18.65S 70.52W 40–2 3.8L
NEIC IX 15 10 39 01.0–.00 18.65S 70.52W 40 4.3L,4.3b

IDC IX 15 10 39 10.2–4.7 18.27S 70.06W 133–34 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.2km az=6.2.
GUC Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [III] at Arica and Poconchile. Felt [II] at Tacna, Peru. After GUC.
IDC Error ellipse: s-maj=53.2km s-min=49.2km az=179.0.
GUC IX 18 14 41 56.0–.40 20.03S 70.35W 42–2 3.6L
¶604836771
GUC Error ellipse: s-maj=3.0km s-min=3.9km az=-1.0.
ISC IX 19 07 59 40.1–2.2 23.98S–.03 70.9W–.20 18–9 29 1-149
IDC IX 19 07 59 39.2–2.3 24.06S 70.37W 0 3.8b,3.7 **¶601732948**
GUC IX 19 07 59 39.6–.42 23.99S 70.92W 45–1 4.0L,3.7
SJA IX 19 07 59 40.3–.52 24.01S 70.87W 13–3 4.5W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=88.2km s-min=29.4km az=103.0.
GUC Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=5.8km az=-1.0.
GUC IX 30 12 40 36.1–.44 27.97S 70.74W 59–6 3.7L
¶604836882
GUC Error ellipse: s-maj=4.2km s-min=10.3km az=-1.0.
ISC X 01 21 53 52.0–2.6 19.50S–.07 70.7W–.10 9–12 16 1-145
IDC X 01 21 53 49.3–3.5 20.52S 70.42W 0 3.8,3.8b **¶601996433**
GUC X 01 21 53 55.3–.54 19.52S 70.74W 26–11 3.5L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=131.4km s-min=45.5km az=108.0.
GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISC X 02 14 34 59.1–.77 27.64S–.04 70.29W–.05 86–6 56 0-151
SJA X 02 14 34 54.9–.55 27.60S 69.96W 262–4 3.8L,3.7W **¶601880055**
ISCJB X 02 14 34 57.6–.42 27.63S–.03 70.22W–.06 89–5 4.0b,3.7W
NEIC X 02 14 34 58.0–.00 27.79S 70.36W 81 4.1L,3.9b
GUC X 02 14 34 58.1–.68 27.78S 70.45W 78–7 4.1L,3.9b
ISC Event type fe.
SJA Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=1.4.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=4.3km s-min=17.3km az=-1.0.
GUC X 07 11 35 23.5–.66 24.91S 70.11W 68–6 3.5L
¶604836915
GUC Error ellipse: s-maj=3.8km s-min=6.0km az=-1.0.
GUC X 10 15 42 49.8–.68 19.27S 70.11W 53–3 3.6L
¶604836945
GUC Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
ISC X 10 16 37 03.6–.63 26.20S–.03 70.92W–.08 31 4.0b 65 1-169
SJA X 10 16 36 52.0–.48 25.60S 71.56W 33 4.5L,3.9W **¶601819788**
ISCJB X 10 16 37 02.3–.54 26.14S–.02 70.97W–.10 31 4.0b,3.6s
GUC X 10 16 37 02.5–.72 26.23S 70.54W 73–28 4.3L,3.6s
NEIC X 10 16 37 03.8–1.8 26.16S 70.71W 26–13 4.3L,4.0b
IDC X 10 16 37 08.8–3.9 26.05S 70.37W 58–31 4.0L,3.9
ISC Event type fe.
SJA Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=3.3km az=176.5.
GUC Error ellipse: s-maj=2.9km s-min=43.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=5.9km az=92.0. Felt [II] at Copiapo and Tierra Amarilla.
IDC Error ellipse: s-maj=33.6km s-min=29.9km az=84.0.
GUC X 13 22 47 23.0–.60 23.19S 70.26W 50–3 3.7L
¶604836979
GUC Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
GUC X 14 16 01 13.6–.67 25.64S 70.56W 78–9 3.6L
¶604836989
GUC Error ellipse: s-maj=1.9km s-min=26.7km az=-1.0.
GUC X 14 19 02 55.5–.73 19.40S 70.25W 53–2 3.5L
¶604836990
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
ISC X 17 02 35 09.1–2.2 19.60S–.04 70.58W–.08 14–13 4.3s 24 0-145
IDC X 17 02 35 05.0–3.9 20.74S 70.04W 0 4.3,4.3s **¶601998606**
ISCJB X 17 02 35 10.7–1.3 19.63S–.04 70.57W–.07 18–10 4.3s,3.7b
GUC X 17 02 35 11.6–.52 19.60S 70.46W 38–1 3.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=136.7km s-min=44.8km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.9km az=173.3.
GUC Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
ISC X 19 08 45 17.1–.82 23.00S–.04 70.27W–.05 47–8 37 0-148
IDC X 19 08 45 05.2–3.0 23.61S 70.95W 0 4.3b,4.1 **¶601839077**
ISCJB X 19 08 45 16.5–.48 23.02S–.03 70.30W–.06 55–5 4.1b,2.8s
NEIC X 19 08 45 17.0–.00 22.98S 70.23W 46 4.2L,3.9b
GUC X 19 08 45 17.1–.69 22.98S 70.23W 46–1 4.2L,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=71.5km s-min=41.9km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.9km az=15.1.
NEIC Event type fe. Felt [II] at Tocopilla. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
ISC X 23 10 45 20.6–.42 25.78S–.03 70.74W–.07 31–2 5.1b 866 1-178
ISCJB X 23 10 45 17.6–1.2 25.74S–.02 70.63W–.05 26–8 5.0b,3.9s **¶601843419**
MOS X 23 10 45 18.1–1.3 25.77S 70.79W 22 5.2b,3.9s
GUC X 23 10 45 18.5–.43 25.77S 70.96W 51–10 5.1L,3.9s
NEIC X 23 10 45 20.7–.10 25.77S 70.55W 32 5.1L,5.1b
IDC X 23 10 45 21.3–.46 25.82S 70.58W 34–3 4.7,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=2.9km az=0.4.
MOS Error ellipse: s-maj=13.1km s-min=5.8km az=97.4.
GUC Error ellipse: s-maj=1.1km s-min=9.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.3km az=80.0. Felt [IV] at Chanaral; [III] at Copiapo, Diego de Almagro, Taltal and Tierra Amarilla; [II] at Caldera.
IDC Error ellipse: s-maj=17.1km s-min=12.2km az=83.0.
ISC X 29 15 26 02.0–3.4 28.0S–.10 70.32W–.09 101–24 15 0-4
ISCJB X 29 15 26 02.2–1.7 27.98S–.07 70.31W–.07 99–13 **¶604738631**
GUC X 29 15 26 02.4–.39 28.20S 69.92W 60–13 3.7L
SJA X 29 15 26 02.2–.63 28.01S 70.25W 97–10 3.7W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.7km az=143.8.
GUC Error ellipse: s-maj=5.7km s-min=10.8km az=-1.0.
SJA Error ellipse: s-maj=7.7km s-min=3.8km az=-1.0.
ISC X 30 21 44 14.5–.58 24.68S–.04 70.12W–.06 81–5 4.3b 92 0-149
SJA X 30 21 44 11.9–1.3 24.73S 70.31W 70 3.9W,3.9L **¶601864423**
ISCJB X 30 21 44 12.9–.34 24.71S–.02 70.23W–.06 90–4 4.0b,3.9L
GUC X 30 21 44 14.2–.69 24.64S 70.09W 79–6 4.0L,3.9L
NEIC X 30 21 44 14.0–.00 24.64S 70.09W 79 4.1b,4.0L
IDC X 30 21 44 15.7–.65 24.61S 69.81W 83–5 4.2,4.0
ISC Event type fe.
SJA Error ellipse: s-maj=4.2km s-min=10.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=3.8km az=0.6.
GUC Error ellipse: s-maj=4.1km s-min=6.7km az=-1.0.
NEIC Event type fe. Felt [III] at Taltal. After GUC.
IDC Error ellipse: s-maj=20.5km s-min=18.7km az=67.0.
ISC X 31 13 15 29.6–2.8 27.88S–.08 71.3W–.10 29–15 28 1-5
GUC X 31 13 15 30.9–.80 28.01S 71.03W 65–42 4.0L **¶604738683**
SJA X 31 13 15 33.8–.93 28.24S 71.16W 32–8 4.0W,3.6L
ISC Event type ke.
GUC Error ellipse: s-maj=4.4km s-min=11.1km az=-1.0.
SJA Error ellipse: s-maj=10.2km s-min=14.8km az=-1.0.
ISC X 31 13 23 53.6–1.5 25.23S–.04 70.8W–.10 38 26 1-8
SJA X 31 13 23 45.3–.77 24.95S 70.94W 30 3.7W,3.5L **¶604738684**
ISCJB X 31 13 23 51.8–.85 25.28S–.03 70.8W–.10 38 3.7W,3.5L
GUC X 31 13 23 52.4–.53 25.33S 70.33W 50–3 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=7.3km s-min=11.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=4.1km az=2.8.
GUC Error ellipse: s-maj=1.7km s-min=16.5km az=-1.0.
ISC XI 02 04 09 25.9–2.3 27.85S–.07 70.9W–.10 11–13 25 1-6
ISCJB XI 02 04 09 24.6–2.2 27.74S–.07 71.0W–.10 5–14 **¶604738716**
SJA XI 02 04 09 25.4–1.3 27.84S 71.05W 18–13 3.5W,3.3L
GUC XI 02 04 09 26.2–.54 27.77S 70.96W 35–4 3.5L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=9.4km az=23.6.
SJA Error ellipse: s-maj=10.4km s-min=21.0km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=6.9km az=-1.0.
ISC XI 02 09 07 25.1–.46 21.24S–.03 70.51W–.05 43–4 4.4b 134 1-164
ISCJB XI 02 09 07 25.0–.45 21.25S–.02 70.48W–.06 57–5 4.4b,3.5s **¶601868137**
NEIC XI 02 09 07 25.0–.00 21.27S 70.36W 61 4.4L,4.4b
GUC XI 02 09 07 25.8–.62 21.28S 70.37W 61–5 4.4L,4.4b
IDC XI 02 09 07 25.6–.48 21.12S 70.09W 50–4 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.7km az=177.3.
NEIC Event type fe. Felt [III] at Tocopilla. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=12.2km az=68.0.
ISC XI 04 12 57 45.8–1.5 24.31S–.04 70.0W–.10 69–20 21 0-8
SJA XI 04 12 57 33.1–.56 23.76S 70.62W 70 3.9W,3.7L **¶604738764**
ISCJB XI 04 12 57 43.3–.72 24.38S–.04 70.0W–.10 89–12 3.9W,3.7L
GUC XI 04 12 57 44.0–.62 24.38S 69.88W 68–9 3.4L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=15.2km s-min=27.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=6.1km az=8.3.
GUC Error ellipse: s-maj=3.1km s-min=4.7km az=-1.0.
ISC XI 05 12 56 47.4–.95 27.48S–.05 71.7W–.10 18 4.2b 18 2-152
ISCJB XI 05 12 56 45.8–.80 27.46S–.03 71.6W–.10 18 3.9b,3.1s **¶602388865**
GUC XI 05 12 56 48.5–.50 27.46S 71.32W 64–40 4.2L,3.1s
IDC XI 05 12 56 53.5–5.1 27.35S 71.43W 64–41 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=4.9km az=179.6.
GUC Error ellipse: s-maj=1.4km s-min=19.1km az=-1.0.
IDC Error ellipse: s-maj=45.9km s-min=29.4km az=57.0.
ISC XI 10 22 28 39.7–1.7 27.47S–.06 70.65W–.06 95–11 45 0-7
ISCJB XI 10 22 28 40.9–.81 27.57S–.04 70.54W–.06 92–8 **¶604738889**
GUC XI 10 22 28 41.8–.32 27.79S 69.94W 73–23 3.6L
SJA XI 10 22 28 41.1–.63 27.60S 70.72W 95–9 3.5W,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.9km az=12.7.
GUC Error ellipse: s-maj=14.1km s-min=33.9km az=-1.0.
SJA Error ellipse: s-maj=4.5km s-min=3.4km az=-1.0.
ISC XI 14 16 07 15.2–1.1 22.57S–.03 70.42W–.06 31–7 3.7b 33 0-147
ISCJB XI 14 16 07 14.5–.83 22.57S–.03 70.48W–.06 30–4 3.6b,3.4s **¶601897601**
GUC XI 14 16 07 15.2–.76 22.55S 70.36W 35–2 3.9L,3.4s
IDC XI 14 16 07 17.4–4.3 22.57S 70.40W 52–31 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.8km az=8.0.
GUC Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=51.1km s-min=19.8km az=31.0.
ISC XI 20 01 09 47.9–.64 21.83S–.03 70.29W–.05 60–6 4.5b 100 0-127
ISCJB XI 20 01 09 48.1–.33 21.83S–.02 70.25W–.05 72–3 4.5b **¶601993066**
NEIC XI 20 01 09 48.0–.00 21.84S 70.18W 67 4.6b,4.5L
GUC XI 20 01 09 48.6–.65 21.84S 70.18W 67–3 4.4L,4.5L
IDC XI 20 01 09 51.9–1.2 21.77S 69.92W 97–11 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.6km az=3.0.
NEIC Event type fe. Felt [IV] at Tocopilla. After GUC. Moment Tensor Solution. s17
Moment tensor: Scale 10^{15}Nm; M_{rr}-0.05 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$0.12 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.45 $M_{\phi r}$-3.43
Best double couple: NP1:ϕ_s4.00000°,δ89.00000°,λ-97.00000°. NP2:ϕ_s267.00000°,δ7.00000°,λ-7.00000°. Principal axes: T 3.5400,Plg44.0000°,Azm101.0000°; N -0.1300,Plg7.0000°,Azm4.0000°; P -3.4000,Plg45.0000°,Azm267.0000° $M_0$3.50000×10^{15}
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=14.7km az=55.0.
ISC XI 20 19 48 31.5–1.2 22.46S–.03 70.56W–.06 29–8 4.1b 56 0-147
SJA XI 20 19 48 06.6–.32 22.20S 72.50W 8–41 3.8L,2.6W **¶602210393**
ISCJB XI 20 19 48 31.7–.64 22.50S–.03 70.58W–.06 45–6 4.0b,2.6W
NEIC XI 20 19 48 32.4–1.8 22.54S 70.51W 28–12 4.0b,2.6W
GUC XI 20 19 48 32.2–.70 22.48S 70.51W 32–4 3.9L,2.6W
IDC XI 20 19 48 36.8–4.1 22.42S 70.34W 71–27 4.0,3.8
ISC Event type se.
SJA Error ellipse: s-maj=25.2km s-min=62.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=7.8.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=7.3km az=100.0.
GUC Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=46.3km s-min=23.7km az=61.0.
GUC XI 24 10 34 36.8–.80 22.81S 70.43W 34–2 3.5L
¶604837456
GUC Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0.
ISC XI 25 22 08 15.7–.87 19.21S–.04 70.16W–.07 52–7 3.7b 30 0-151
ISCJB XI 25 22 08 15.7–.61 19.23S–.03 70.22W–.07 60–5 3.7b **¶602389991**
GUC XI 25 22 08 15.9–.75 19.23S 70.15W 53–4 3.9L
IDC XI 25 22 08 21.2–2.4 19.26S 69.58W 96–20 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.5km az=172.7.
GUC Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=43.1km s-min=17.1km az=96.0.
GUC XII 06 23 25 02.8–.62 27.03S 71.50W 49–7 3.5L
¶604837613
GUC Error ellipse: s-maj=1.5km s-min=5.6km az=-1.0.
ISC XII 09 05 49 27.1–1.5 27.61S–.05 70.67W–.09 79–10 25 0-5
GUC XII 09 05 49 25.2–1.0 27.72S 70.18W 92–11 3.3L **¶604740982**
SJA XII 09 05 49 25.4–.52 27.60S 70.64W 86–3 3.8W,3.5L
ISCJB XII 09 05 49 26.2–.90 27.63S–.04 70.65W–.09 88–9 3.8W,3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 14 02 48 38.4–.80 27.65S–.05 70.23W–.06 101–7 52 0-151
IDC XII 14 02 48 26.6–1.5 28.36S 69.62W 0 3.9,3.8 **¶602043473**
ISCJB XII 14 02 48 37.8–.44 27.60S–.03 70.19W–.08 110–5 3.5b,3.8
NEIC XII 14 02 48 38.0–.00 27.65S 70.20W 108 3.4L,3.8
GUC XII 14 02 48 38.8–.39 27.65S 70.20W 108–2 3.4L,3.8
SJA XII 14 02 48 40.9–1.0 27.86S 70.11W 118–11 3.2W,3.1L
ISC Event type fe.
IDC Error ellipse: s-maj=76.9km s-min=31.5km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.2km az=173.3.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla and [II] at Vallenar. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0.
SJA Error ellipse: s-maj=8.7km s-min=5.3km az=-1.0.
ISC XII 16 11 46 26.6–.34 24.81S–.03 70.20W–.05 49–2 4.7b 262 0-157
MOS XII 16 11 46 24.7–1.1 24.82S 70.21W 50 4.9b **¶602043809**
ISCJB XII 16 11 46 25.8–.32 24.74S–.03 70.10W–.05 59–3 4.6b,3.3s
IDC XII 16 11 46 26.1–.60 24.85S 70.04W 53–3 4.2,4.1
NEIC XII 16 11 46 27.0–.00 24.78S 70.16W 39 4.7b,4.3L
GUC XII 16 11 46 27.1–.49 24.78S 70.16W 39–1 4.3L,4.3L
ISC Event type fe.
MOS Error ellipse: s-maj=14.4km s-min=8.8km az=95.3.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.2km az=168.4.
IDC Error ellipse: s-maj=19.3km s-min=16.8km az=32.0.
NEIC Event type fe. Felt at Antofagasta. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
ISC XII 16 17 14 43.8–4.3 27.4S–.20 70.8W–.20 55–21 23 1-6
GUC XII 16 17 14 44.2–.40 27.55S 70.48W 69–7 3.1L **¶604741110**
SJA XII 16 17 14 48.4–.84 27.83S 70.64W 73–8 3.2W,2.8L
ISC Event type ke.
GUC Error ellipse: s-maj=4.2km s-min=17.4km az=-1.0.
SJA Error ellipse: s-maj=13.5km s-min=13.1km az=-1.0.
GUC XII 20 18 02 23.6–.84 22.55S 70.22W 66–4 3.5L
¶604837752
GUC Error ellipse: s-maj=2.1km s-min=4.3km az=-1.0.
ISC XII 23 16 38 09.6–1.5 19.83S–.04 70.38W–.08 30–9 18 0-145
ISCJB XII 23 16 38 10.0–1.2 19.84S–.04 70.40W–.07 26–7 3.5b **¶602391932**
GUC XII 23 16 38 09.6–.57 19.86S 70.41W 22–11 3.7L
IDC XII 23 16 38 20.9–3.6 19.89S 69.70W 103–34 3.4,3.1

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.1km az=166.5.
GUC Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=122.0km s-min=29.6km az=108.0.

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ISC	**VII**	**01 00 44 32.2–.31**	**22.46S–.03**	**68.42W–.05**	**114–2**	**4.7b**	**546**	**1-174**
ISCJB	VII	01 00 44 28.7–.31	22.45S–.02	68.29W–.04	98–2	4.7b		¶601218147
NEIC	VII	01 00 44 31.0–.00	22.44S	68.63W	113	4.9L,4.7b		
GUC	VII	01 00 44 31.6–.48	22.44S	68.63W	113–4	4.9L,4.7b		
GCMT	VII	01 00 44 31.0–.30	22.54S	68.71W	127–3	5.0W,4.7b		
IDC	VII	01 00 44 32.5–.38	22.36S	68.25W	114–3	4.7,4.4		
BJI	VII	01 00 44 33.8	22.50S	68.30W	111	4.9b,4.4		
SJA	VII	01 00 44 38.1–.34	23.23S	68.85W	33–10	4.5L,4.2W		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=162.1.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s34,c42; s77,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.99±.16 $M_{\theta\theta}$0.36±.20; $M_{\phi\phi}$0.62±.24; $M_{r\theta}$1.84±.08; $M_{\theta\phi}$-0.44±.14; $M_{\phi r}$-3.54±.12; Best double couple: NP1:ϕ_s332.00000°,δ83.00000°,λ-88.00000°. NP2:ϕ_s136.00000°,δ7.00000°,λ-106.00000°. Principal axes:
T 4.0780,Plg38.0000°,Azm60.0000°; N 0.0580,Plg2.0000°,Azm152.0000°
; P -4.1350,Plg52.0000°,Azm245.0000° $M_0$4.10700×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=8.6km az=78.0.
SJA Error ellipse: s-maj=8.3km s-min=6.7km az=-1.0.

ISC	**VII**	**02 17 25 28.5–.56**	**22.32S–.05**	**68.73W–.07**	**113–5**	**4.1b**	**40**	**1-146**
ISCJB	VII	02 17 25 27.0–.49	22.32S–.05	68.70W–.08	114–6	3.9b		¶601663403
GUC	VII	02 17 25 28.9–.64	22.30S	68.90W	112–4	4.3L		
IDC	VII	02 17 25 29.4–.73	22.29S	68.51W	116–6	4.0,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=7.4km az=7.0.
GUC Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=15.1km az=90.0.

GUC	**VII**	**02 23 39 13.0–.67**	**21.75S**	**69.19W**	**83–4**	**3.5L**		
								¶604836255

GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.

GUC	**VII**	**04 10 17 45.4–.59**	**20.77S**	**69.29W**	**82–3**	**3.5L**		
								¶604836262

GUC Error ellipse: s-maj=1.6km s-min=4.8km az=-1.0.

GUC	**VII**	**04 14 51 40.8–.67**	**22.26S**	**68.78W**	**125–5**	**4.0L**		
								¶604836264

GUC Error ellipse: s-maj=2.1km s-min=5.2km az=-1.0.

ISC	**VII**	**04 21 20 47.7–1.1**	**21.14S–.06**	**69.0W–.20**	**102–13**		**18**	**0-145**
GUC	VII	04 21 20 46.3–.61	21.15S	68.86W	96–8	3.6L		¶601663497
ISCJB	VII	04 21 20 47.3–.78	21.15S–.05	69.0W–.20	103–12	3.7b		
IDC	VII	04 21 21 01.7–8.1	19.68S	69.48W	210–62	3.6,3.5b		

ISC Event type ke.
GUC Error ellipse: s-maj=2.3km s-min=7.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=6.6km az=10.4.
IDC Error ellipse: s-maj=110.4km s-min=80.2km az=149.0.

GUC	**VII**	**05 23 36 28.4–.33**	**23.25S**	**68.69W**	**120–4**	**4.0L**		
								¶604836270

GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.

ISC	**VII**	**07 00 08 41.0–.92**	**20.80S–.04**	**69.48W–.10**	**101–7**		**24**	**0-145**
IDC	VII	07 00 08 23.7–2.3	21.96S	69.74W	0	3.7,3.6L		¶601663566
ISCJB	VII	07 00 08 40.5–.63	20.79S–.04	69.50W–.10	106–5	3.2b,3.6L		
GUC	VII	07 00 08 40.8–.62	20.76S	69.41W	97–3	3.8L,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=42.3km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=5.6km az=6.6.
GUC Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.

GUC	**VII**	**07 03 33 48.9–.67**	**21.34S**	**69.87W**	**52–3**	**3.7L**		
								¶604836274

GUC Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0.

ISC	**VII**	**07 19 03 02.5–.88**	**27.99S–.04**	**69.58W–.05**	**107–8**		**27**	**1-151**
GUC	VII	07 19 03 00.5–.54	27.96S	69.55W	127–5	3.8L		¶601663603
SJA	VII	07 19 03 00.8–.72	27.85S	69.54W	81–29	3.5W,3.0L		
ISCJB	VII	07 19 03 01.8–.66	28.00S–.04	69.57W–.06	111–8	3.4b,3.0L		
IDC	VII	07 19 03 07.2–13	27.93S	69.47W	145–105	3.8L,3.6		

ISC Event type ke.
GUC Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.
SJA Error ellipse: s-maj=4.5km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.9km az=3.0.
IDC Error ellipse: s-maj=146.1km s-min=67.5km az=140.0.

GUC	**VII**	**10 02 49 52.1–.55**	**22.30S**	**68.75W**	**106–4**	**3.7L**		
								¶604836295

GUC Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.

GUC	**VII**	**11 04 26 38.7–.59**	**20.44S**	**69.30W**	**108–5**	**3.5L**		
								¶604836303

GUC Error ellipse: s-maj=1.6km s-min=6.9km az=-1.0.

GUC	**VII**	**12 06 58 23.8–.67**	**23.04S**	**68.70W**	**119–9**	**3.5L**		
								¶604836315

GUC Error ellipse: s-maj=4.1km s-min=8.3km az=-1.0.

ISC	**VII**	**15 04 38 12.7–1.1**	**27.14S–.04**	**69.54W–.05**	**141–12**		**61**	**1-11**
ISCJB	VII	15 04 38 13.2–.42	27.12S–.02	69.60W–.06	141–8			¶601468489
GUC	VII	15 04 38 14.3–.71	27.19S	69.57W	127–5	4.1L		
SJA	VII	15 04 38 14.6–.97	27.12S	69.61W	33	3.9L,3.7W		
NEIC	VII	15 04 38 14.0–.00	27.19S	69.57W	127	4.1L,3.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.9km az=179.8.
GUC Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
SJA Error ellipse: s-maj=20.4km s-min=9.0km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.

ISC	**VII**	**15 09 39 47.4–.80**	**19.66S–.05**	**69.32W–.09**	**101–7**	**3.8b**	**23**	**0-152**
ISCJB	VII	15 09 39 46.9–.55	19.67S–.04	69.39W–.09	110–5	3.8b		¶601664613
GUC	VII	15 09 39 47.6–.49	19.68S	69.35W	99–3	3.8L		
IDC	VII	15 09 39 50.2–2.2	19.62S	68.92W	124–21	3.9,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.9km az=177.0.
GUC Error ellipse: s-maj=3.4km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=40.4km s-min=18.8km az=98.0.

ISC	**VII**	**16 08 46 25.6–.77**	**19.93S–.04**	**69.26W–.08**	**95–6**	**3.7b**	**27**	**0-152**
ISCJB	VII	16 08 46 25.0–.51	19.93S–.03	69.24W–.08	106–5	3.8b		¶601664666
GUC	VII	16 08 46 27.1–.65	19.94S	69.37W	86–3	3.7L		
IDC	VII	16 08 46 29.5–3.4	19.91S	68.80W	125–28	3.9,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.5km az=175.8.
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=42.6km s-min=23.8km az=69.0.

ISC	**VII**	**16 21 18 10.4–.32**	**23.28S–.04**	**68.89W–.05**	**100–2**	**4.6b**	**436**	**1-169**
MOS	VII	16 21 18 07.0–.97	23.19S	68.78W	78	5.0b		¶601351863
ISCJB	VII	16 21 18 08.1–.35	23.11S–.03	68.66W–.05	96–2	4.6b		
IDC	VII	16 21 18 10.9–.36	23.17S	68.68W	104–3	4.7,4.5		
GCMT	VII	16 21 18 10.0–.40	23.15S	69.01W	120–5	4.9W,4.5		
GUC	VII	16 21 18 10.5–.47	23.23S	69.07W	103–3	4.9L,4.5		
NEIC	VII	16 21 18 10.0–.00	23.23S	69.07W	103	4.9L,4.6b		
BJI	VII	16 21 18 14.0	23.20S	69.10W	103	5.1b,4.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=14.6km s-min=7.3km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.5km az=154.0.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=70.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c18; s66,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.10 $M_{\theta\theta}$0.23±.11; $M_{\phi\phi}$1.77±.14; $M_{r\theta}$0.33±.08; $M_{\theta\phi}$-1.41±.09; $M_{\phi r}$-0.77±.12; Best double couple: NP1:ϕ_s333.00000°,δ55.00000°,λ-85.00000°. NP2:ϕ_s145.00000°,δ35.00000°,λ-97.00000°. Principal axes:
T 2.7520,Plg10.0000°,Azm60.0000°; N -0.5980,Plg4.0000°,Azm150.0000°
; P -2.1530,Plg79.0000°,Azm262.0000° $M_0$2.45200×10^{16}
GUC Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [III] at Calama and [II] at Antofagasta. After GUC.

ISC	**VII**	**17 02 35 34.4–.32**	**20.26S–.03**	**69.09W–.05**	**105–2**	**4.6b**	**555**	**0-166**
ISCJB	VII	17 02 35 32.3–.27	20.15S–.02	68.96W–.04	103–2	4.5b		¶601352366
GUC	VII	17 02 35 34.8–.63	20.24S	69.17W	96–3	4.7L		
IDC	VII	17 02 35 34.9–.45	20.16S	68.99W	105–3	4.4,4.1		
NEIC	VII	17 02 35 35.0–.00	20.24S	69.14W	94	4.7L,4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=170.6.
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=10.6km az=69.0.
NEIC Event type fe. Felt [V] at Alto Hospicio and Iquique; [IV] at Pica; [III] at Cuya; [II] at La Tirana and Pisagua. Also felt at Arica. After GUC.

GUC	**VII**	**17 22 39 42.3–.71**	**20.89S**	**69.09W**	**112–4**	**3.7L**		
								¶604836351

GUC Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0.

ISC	**VII**	**18 22 06 57.8–.42**	**26.36S–.03**	**69.97W–.07**	**87–3**	**4.6b**	**129**	**1-169**
ISCJB	VII	18 22 06 56.7–.34	26.34S–.02	69.84W–.06	85–3	4.5b		¶601405102
GUC	VII	18 22 06 56.1–.74	26.34S	70.09W	104–3	4.8L		
NEIC	VII	18 22 06 57.5–.47	26.34S	69.80W	76–4	4.8L,4.6b		
GCMT	VII	18 22 06 57.5–.40	26.62S	70.17W	109–5	4.9W,4.6b		
IDC	VII	18 22 06 58.6–.44	26.29S	69.80W	88–3	4.4,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.9km az=0.4.
GUC Error ellipse: s-maj=2.4km s-min=15.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.7km az=83.0. Felt [V] at Copiapo, Los Loros and Tierra Amarilla, [IV] at Diego de Almagro and [III] at Taltal.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s18,c20; s65,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.11 $M_{\theta\theta}$-1.30±.13; $M_{\phi\phi}$2.05±.14; $M_{r\theta}$1.05±.06; $M_{\theta\phi}$-0.92±.11; $M_{\phi r}$0.69±.10; Best double couple: NP1:ϕ_s205.00000°,δ72.00000°,λ-33.00000°. NP2:ϕ_s307.00000°,δ58.00000°,λ-158.00000°. Principal axes:
T 2.3490,Plg9.0000°,Azm258.0000°; N 0.0570,Plg52.0000°,Azm359.0000°
; P -2.4110,Plg36.0000°,Azm162.0000° $M_0$2.38000×10^{16}
IDC Error ellipse: s-maj=17.0km s-min=11.0km az=68.0.

ISC	**VII**	**19 01 31 15.8–.57**	**26.07S–.04**	**69.27W–.07**	**112–4**	**3.7b**	**46**	**1-149**
SJA	VII	19 01 31 12.1–.53	26.03S	69.33W	164–8	4.2W,4.0L		¶601405508
ISCJB	VII	19 01 31 14.1–.37	26.05S–.03	69.25W–.07	110–5	3.7b,4.0L		
GUC	VII	19 01 31 14.3–.64	26.02S	69.52W	115–4	4.4L,4.0L		
IDC	VII	19 01 31 16.3–.64	26.20S	69.22W	113–4	3.9,3.8		

ISC Event type ke.
SJA Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.0km az=177.2.
GUC Error ellipse: s-maj=2.1km s-min=10.9km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=18.7km az=57.0.

GUC	**VII**	**22 02 18 51.6–.72**	**20.88S**	**69.25W**	**108–3**	**3.5L**		
								¶604836380

GUC Error ellipse: s-maj=1.3km s-min=5.0km az=-1.0.

GUC	**VII**	**22 08 40 15.9–.48**	**22.38S**	**68.05W**	**185–16**	**3.7L**		
								¶604836382

GUC Error ellipse: s-maj=5.0km s-min=14.8km az=-1.0.

GUC	**VII**	**23 23 59 14.8–.76**	**21.36S**	**69.81W**	**82–3**	**3.5L**		
								¶604836399

GUC Error ellipse: s-maj=3.4km s-min=8.0km az=-1.0.

ISC	**VII**	**24 01 50 51.7–.98**	**19.19S–.06**	**69.2W–.10**	**138–9**		**17**	**0-77**
ISCJB	VII	24 01 50 50.8–.66	19.20S–.06	69.2W–.10	145–6	4.2b		¶601666352
GUC	VII	24 01 50 52.0–.66	19.24S	69.21W	135–6	3.6L		
IDC	VII	24 01 50 55.3–7.5	19.05S	68.72W	149–98	4.4,4.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=9.5km az=6.7.
GUC Error ellipse: s-maj=5.7km s-min=8.9km az=-1.0.
IDC Error ellipse: s-maj=287.9km s-min=79.2km az=110.0.

GUC	**VII**	**24 21 43 37.6–.66**	**23.09S**	**68.35W**	**100**	**3.5L**		
								¶604836406

GUC Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.

ISC	**VII**	**26 13 43 35.7–.70**	**18.60S–.05**	**69.33W–.07**	**125–6**	**3.9b**	**32**	**0-151**
ISCJB	VII	26 13 43 34.6–.41	18.61S–.04	69.41W–.06	135–3	3.7b		¶601666480
IDC	VII	26 13 43 36.9–2.3	18.46S	69.19W	133–19	4.1,3.8		
GUC	VII	26 13 43 36.9–.63	18.65S	69.29W	111–4	3.8L,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.1km az=17.4.
IDC Error ellipse: s-maj=23.0km s-min=16.0km az=77.0.
GUC Error ellipse: s-maj=2.6km s-min=4.1km az=-1.0.

ISC	**VII**	**26 14 05 53.3–.73**	**18.73S–.04**	**69.21W–.08**	**123–7**	**3.6b**	**29**	**0-151**
ISCJB	VII	26 14 05 52.2–.51	18.74S–.04	69.32W–.09	139–5	3.6b		¶601666481
GUC	VII	26 14 05 53.8–.67	18.75S	69.33W	121–4	3.8L		
IDC	VII	26 14 05 56.1–1.9	18.73S	68.87W	143–16	4.0,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=6.2km az=8.5.
GUC Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=18.4km az=85.0.

ISC	**VII**	**26 21 41 10.1–1.2**	**20.83S–.04**	**69.2W–.10**	**116–10**		**25**	**0-22**
ISCJB	VII	26 21 41 10.2–.77	20.83S–.03	69.3W–.10	121–7	3.7b		¶604836417
GUC	VII	26 21 41 10.2–.68	20.83S	69.16W	112–3	4.0L		
IDC	VII	26 21 41 51.6–4.8	17.65S	66.71W	51–33	4.1,4.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=5.1km az=2.1.
GUC Error ellipse: s-maj=1.5km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=87.5km s-min=22.8km az=21.0.

GUC	**VII**	**27 12 03 50.9–.57**	**22.60S**	**68.49W**	**139–6**	**3.5L**		
								¶604836420

GUC Error ellipse: s-maj=3.3km s-min=7.0km az=-1.0.

ISC	**VII**	**28 11 48 07.1–.35**	**18.14S–.04**	**69.39W–.06**	**132–3**	**4.6b**	**286**	**0-161**
ISCJB	VII	28 11 48 05.3–.25	18.14S–.03	69.49W–.05	136–3	4.4b		¶601484418
GUC	VII	28 11 48 06.5–.73	18.16S	69.52W	124–4	4.5L		
NEIC	VII	28 11 48 06.6–.29	18.20S	69.39W	130	4.6b,4.3L		
IDC	VII	28 11 48 08.7–.44	18.02S	69.24W	135–3	4.4,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=175.1.
GUC Error ellipse: s-maj=3.0km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.9km az=83.0.
IDC Error ellipse: s-maj=10.8km s-min=7.9km az=121.0.

ISC	**VII**	**29 14 06 00.3–.61**	**18.61S–.05**	**69.35W–.07**	**110–6**	**4.1b**	**55**	**0-165**
ISCJB	VII	29 14 05 59.3–.37	18.57S–.04	69.35W–.05	119–3	4.0b		¶601494697
BJI	VII	29 14 06 00.6	18.60S	69.30W	106	4.9b		
NEIC	VII	29 14 06 01.0–.00	18.62S	69.49W	111	4.7b,4.2L		
GUC	VII	29 14 06 01.0–.56	18.62S	69.50W	111–3	4.2L,4.2L		
IDC	VII	29 14 06 03.6–2.1	18.51S	69.14W	134–18	4.1,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.5km az=15.0.
NEIC Event type fe. Felt [II] at Arica. After GUC.
GUC Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=17.1km az=94.0.

ISC	**VII**	**31 09 53 47.1–.78**	**23.34S–.05**	**69.22W–.06**	**84–8**	**4.0b**	**46**	**1-147**
SJA	VII	31 09 53 44.6–.57	23.27S	69.51W	90	3.9L,3.8W		¶601498036
ISCJB	VII	31 09 53 46.3–.32	23.37S–.03	69.25W–.06	97–5	3.7b,3.8W		
GUC	VII	31 09 53 47.5–.36	23.28S	69.25W	87–4	4.1L,3.8W		
IDC	VII	31 09 53 48.3–2.7	23.33S	68.94W	93–23	4.0,3.7		

ISC Event type ke.
SJA Error ellipse: s-maj=31.8km s-min=23.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.8km az=172.7.
GUC Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=15.7km az=93.0.

GUC	**VIII**	**01 04 08 02.3–.60**	**23.00S**	**69.55W**	**93–3**	**3.5L**		
								¶604836456

GUC Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0.

GUC	**VIII**	**02 15 10 21.0–.52**	**22.03S**	**68.65W**	**133–3**	**3.5L**		
								¶604836464

GUC Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0.

ISC	**VIII**	**03 20 48 03.0–.50**	**25.97S–.03**	**69.75W–.08**	**67–4**	**4.5b**	**274**	**2-158**
GUC	VIII	03 20 47 56.8–.48	25.97S	69.82W	5–2	4.3L		¶601518046
ISCJB	VIII	03 20 48 01.4–.44	25.87S–.03	69.63W–.06	72–4	4.5b		

NEIC VIII 03 20 48 02.0–.00 26.00S 70.90W 65 4.8L,4.6b
IDC VIII 03 20 48 03.9–.57 25.93S 69.68W 74–4 4.3,4.2
ISC Event type fe.
GUC Error ellipse: s-maj=2.8km s-min=15.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.2km az=2.9.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. Also felt at Diego de Almagro. After GUC.
IDC Error ellipse: s-maj=19.4km s-min=13.4km az=64.0.
ISC VIII 07 12 28 37.3–.50 21.29S–.04 69.86W–.06 56–4 4.1b,3.4s 76 0-146
ISCJB VIII 07 12 28 37.0–.29 21.32S–.03 69.77W–.06 70–3 3.9b,3.4s **¶601529227**
GUC VIII 07 12 28 37.5–.63 21.30S 69.88W 54–2 4.4L,3.4s
IDC VIII 07 12 28 37.5–.72 21.23S 69.73W 60–5 3.9,3.8
NEIC VIII 07 12 28 38.0–.00 21.32S 69.86W 48 4.4L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=8.7.
GUC Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=17.1km az=71.0.
NEIC Event type fe. Felt [III] at Quillagua and [II] at Pica and Tocopilla. After GUC.
ISC VIII 07 13 34 04.6–.51 25.37S–.03 69.11W–.06 110–5 4.3b 91 1-149
ISCJB VIII 07 13 34 03.6–.33 25.37S–.02 69.12W–.07 104–5 4.0b **¶601529231**
SJA VIII 07 13 34 03.8–.61 25.45S 69.63W 33 3.9W,3.8L
GUC VIII 07 13 34 04.2–.52 25.37S 69.15W 117–13 4.3L,3.8L
NEIC VIII 07 13 34 04.0–.00 25.36S 69.14W 119 4.4L,4.0b
IDC VIII 07 13 34 06.7–.60 25.30S 68.93W 111–4 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=3.2km az=177.1.
SJA Error ellipse: s-maj=4.0km s-min=12.2km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=7.1km az=-1.0.
NEIC Event type fe. Felt [III] at Diego de Almagro and [II] at Taltal. After GUC.
IDC Error ellipse: s-maj=18.3km s-min=16.2km az=81.0.
ISC VIII 09 05 41 06.0–.73 22.55S–.04 68.44W–.06 104–9 4.2b 61 1-146
SJA VIII 09 05 41 02.5–.42 22.29S 68.69W 238–27 3.7L,3.1W **¶601533186**
ISCJB VIII 09 05 41 05.7–.38 22.58S–.02 68.55W–.07 121–7 4.3b,3.1W
GUC VIII 09 05 41 07.3–.42 22.47S 68.64W 117–3 3.9L,3.1W
NEIC VIII 09 05 41 07.0–.00 22.47S 68.64W 117 4.1b,3.9L
IDC VIII 09 05 41 07.6–2.8 22.46S 68.21W 109–25 4.3,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=8.6km s-min=11.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.0km az=179.2.
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=35.2km s-min=18.8km az=119.0.
ISC VIII 09 23 36 07.5–1.6 24.82S–.05 70.0W–.20 105–21 23 0-7
SJA VIII 09 23 36 01.5–.55 24.79S 70.38W 30 3.5L,3.4W **¶603977183**
ISCJB VIII 09 23 36 05.3–.74 24.82S–.03 70.1W–.20 130–10 3.5L,3.4W
GUC VIII 09 23 36 06.5–.58 24.81S 69.83W 100–9 3.7L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=12.4km s-min=18.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=25.5km s-min=5.5km az=177.2.
GUC Error ellipse: s-maj=3.2km s-min=12.1km az=-1.0.
GUC VIII 10 17 39 34.3–.63 22.28S 68.74W 114–4 3.5L
¶604836512
GUC Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0.
GUC VIII 12 15 50 55.9–.73 20.58S 69.05W 108–4 3.9L
¶604836528
GUC Error ellipse: s-maj=1.6km s-min=6.4km az=-1.0.
GUC VIII 12 22 55 01.3–.48 18.81S 69.07W 129–5 3.6L
¶604836532
GUC Error ellipse: s-maj=2.3km s-min=3.5km az=-1.0.
GUC VIII 15 02 45 11.1–.72 18.40S 69.85W 83–4 3.8L
¶604836540
GUC Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0.
ISC VIII 19 00 17 58.4–.68 20.41S–.03 69.47W–.08 84–6 4.2b 43 0-145
ISCJB VIII 19 00 17 57.5–.34 20.38S–.03 69.36W–.07 96–3 4.0b **¶601626431**
GUC VIII 19 00 17 58.6–.56 20.38S 69.42W 81–3 4.1L
NEIC VIII 19 00 17 58.0–.00 20.38S 69.43W 80 4.0L,4.0b
IDC VIII 19 00 17 59.0–3.1 20.67S 69.20W 83–26 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.0km az=171.8.
GUC Error ellipse: s-maj=1.0km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [II] at Mamina and Pica. After GUC.
IDC Error ellipse: s-maj=49.8km s-min=21.6km az=101.0.
ISC VIII 20 03 10 38.7–3.8 26.7S–.20 69.81W–.09 100 11 1-5
GUC VIII 20 03 10 38.3–.63 26.87S 69.50W 96–31 3.1L **¶603977291**
SJA VIII 20 03 10 40.5–.70 27.00S 69.63W 10 2.7W,2.6L
ISC Event type ke.
GUC Error ellipse: s-maj=14.8km s-min=51.4km az=-1.0.
SJA Error ellipse: s-maj=4.8km s-min=9.7km az=-1.0.
ISC VIII 20 06 17 29.9–2.5 24.4S–.20 69.6W–.20 104–22 21 1-148
IDC VIII 20 06 17 13.3–3.0 25.48S 69.89W 0 3.8,3.7 **¶601766178**
GUC VIII 20 06 17 28.2–.40 24.28S 69.51W 125–6 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=108.6km s-min=60.9km az=82.0.
GUC Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0.
ISC VIII 21 18 31 32.6–1.1 22.34S–.05 68.9W–.10 104–9 22 1-132
IDC VIII 21 18 31 20.1–1.5 23.11S 68.18W 0 3.9b,3.8 **¶601766267**
ISCJB VIII 21 18 31 31.8–.89 22.33S–.05 69.0W–.10 112–9 3.6b,3.8
GUC VIII 21 18 31 32.6–.52 22.32S 68.96W 100–3 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=66.6km s-min=43.5km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=8.0km az=8.2.
GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
ISC VIII 22 09 37 50.3–1.6 26.88S–.05 69.51W–.08 128–16 23 1-5
ISCJB VIII 22 09 37 50.2–.71 26.87S–.05 69.52W–.09 126–11 **¶603977320**
GUC VIII 22 09 37 50.6–.74 26.88S 69.57W 121–8 3.9L
SJA VIII 22 09 37 51.9–.59 27.08S 69.22W 179–8 3.4W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=7.5km az=166.7.
GUC Error ellipse: s-maj=3.8km s-min=18.2km az=-1.0.
SJA Error ellipse: s-maj=5.3km s-min=8.9km az=-1.0.
ISC VIII 26 07 26 39.0–.94 24.63S–.04 69.08W–.05 109–10 3.7b 34 2-148
IDC VIII 26 07 26 24.8–1.1 25.06S 69.07W 0 4.0,3.8 **¶601766492**
ISCJB VIII 26 07 26 38.2–.43 24.64S–.04 69.12W–.06 116–8 3.7b,3.8
SJA VIII 26 07 26 38.1–1.1 24.67S 69.09W 111–56 3.5W,3.1L
GUC VIII 26 07 26 42.0–.56 24.28S 69.09W 115–31 3.6L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=34.2km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=159.8.
SJA Error ellipse: s-maj=5.7km s-min=11.0km az=-1.0.
GUC Error ellipse: s-maj=6.0km s-min=20.9km az=-1.0.
ISC VIII 27 00 12 12.9–.55 23.83S–.04 68.90W–.06 94–5 4.4b 115 1-149
ISCJB VIII 27 00 12 11.5–.46 23.85S–.03 68.85W–.05 95–3 4.4b **¶601626732**
GUC VIII 27 00 12 13.8–.55 23.68S 69.14W 120–6 4.3L
NEIC VIII 27 00 12 13.0–.00 23.67S 69.14W 121 4.4b,4.3L
IDC VIII 27 00 12 13.6–.74 23.76S 68.77W 99–6 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=169.8.
GUC Error ellipse: s-maj=2.8km s-min=5.4km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=17.3km s-min=12.2km az=70.0.
ISC VIII 27 00 39 56.1–.27 23.82S–.04 69.28W–.05 85–2 5.0b 1006 1-175
MOS VIII 27 00 39 51.3–1.2 23.75S 69.23W 51 5.3b **¶601626736**
ISCJB VIII 27 00 39 55.4–.45 23.60S–.03 69.12W–.04 91–3 4.9b
GUC VIII 27 00 39 55.7–.63 23.74S 69.42W 99–6 5.0L
NEIC VIII 27 00 39 55.0–.00 23.74S 69.41W 100 5.0L,5.0b
IDC VIII 27 00 39 56.3–.30 23.74S 69.18W 85–2 4.9,4.7
GCMT VIII 27 00 39 59.0–.40 24.03S–.03 69.63W–.04 93–5 4.9W,4.7
BJI VIII 27 00 40 00.2 23.70S 69.40W 100 5.4b,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=11.5km s-min=5.7km az=102.1.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.8km az=142.8.
GUC Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0.
NEIC Event type fe. Felt [III] at Antofagasta and Mejillones. Also felt at Taltal. After GUC.
IDC Error ellipse: s-maj=12.7km s-min=8.1km az=60.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s67,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.14 $M_{\theta\theta}$-1.34±.15; $M_{\phi\phi}$3.03±.15; $M_{r\theta}$0.96±.06; $M_{\theta\phi}$-0.55±.14; $M_{\theta r}$0.07±.12; Best double couple: NP1:ϕ_s320.00000°,δ58.00000°,λ-140.00000°. NP2:ϕ_p206.00000°,δ57.00000°,λ-39.00000°. Principal axes: T 3.0980,Plg1.0000° ,Azm83.0000°; N -0.5760,Plg41.0000°,Azm352.0000°; P -2.5220,Plg49.0000° ,Azm173.0000° M_o2.81000×10^{16}
ISC VIII 28 17 32 16.6–.67 18.71S–.04 69.22W–.06 119–6 4.0b 59 0-145
ISCJB VIII 28 17 32 15.8–.36 18.72S–.03 69.29W–.05 132–4 4.0b **¶601755526**
GUC VIII 28 17 32 17.8–.70 18.64S 69.33W 109–4 3.8L
NEIC VIII 28 17 32 17.2–.62 18.83S 68.98W 122–6 4.5b
IDC VIII 28 17 32 19.0–2.4 18.62S 68.97W 135–19 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=162.6.
GUC Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.7km az=109.0.
IDC Error ellipse: s-maj=23.3km s-min=22.5km az=111.0.
ISC VIII 29 12 26 04.7–.71 19.89S–.04 69.09W–.06 95–6 3.8b 38 0-152
ISCJB VIII 29 12 26 04.4–.40 19.90S–.03 69.10W–.07 107–4 3.7b **¶601755561**
GUC VIII 29 12 26 05.3–.61 19.93S 69.20W 97–2 4.0L
IDC VIII 29 12 26 08.7–2.0 19.80S 68.72W 132–18 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.8km az=178.4.
GUC Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=22.3km s-min=13.5km az=74.0.
GUC VIII 30 13 59 32.5–.71 18.08S 69.81W 115–4 3.6L
¶604836630
GUC Error ellipse: s-maj=3.1km s-min=4.6km az=-1.0.
GUC IX 02 08 30 08.7–.61 20.29S 69.33W 112–3 3.5L
¶604836642
GUC Error ellipse: s-maj=1.8km s-min=6.4km az=-1.0.
GUC IX 02 14 25 50.2–.51 19.43S 69.83W 12–2 4.1L
¶604836643
GUC Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0.
ISC IX 04 16 32 53.2–.64 23.14S–.04 68.98W–.05 110–6 4.5b 82 0-166
ISCJB IX 04 16 32 52.2–.27 23.18S–.03 69.05W–.04 121–3 4.5b **¶601674450**
SJA IX 04 16 32 53.6–1.1 23.24S 68.98W 96–15 3.3W,3.1L
NEIC IX 04 16 32 54.0–.00 23.11S 69.12W 106 4.5b,4.2L
GUC IX 04 16 32 54.2–.81 23.09S 69.11W 108–4 4.2L,4.2L
IDC IX 04 16 32 54.6–2.8 23.12S 68.63W 109–24 4.5,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=176.8.
SJA Error ellipse: s-maj=8.7km s-min=5.5km az=-1.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=31.0km s-min=17.4km az=104.0.
GUC IX 06 10 25 00.7–.48 23.63S 68.98W 100–7 3.7L
¶604836674
GUC Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0.
GUC IX 06 10 45 40.5–.60 22.38S 68.84W 109–6 3.7L
¶604836675
GUC Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
ISC IX 07 02 37 01.1–.40 22.40S–.03 68.36W–.04 109–3 4.8b 427 1-174
ISCJB IX 07 02 36 58.9–.34 22.33S–.03 68.19W–.03 100–2 4.7b **¶601687282**
NEIC IX 07 02 36 59.9–.40 22.35S 68.19W 94–3 5.1L,5.0W
MOS IX 07 02 36 59.6–1.6 22.39S 68.42W 105 4.8b,5.0W
GUC IX 07 02 37 01.4–.66 22.39S 68.63W 125–5 5.1L,5.0W
SJA IX 07 02 37 01.8–.80 22.56S 68.42W 104–8 4.1W,3.8L
IDC IX 07 02 37 01.9–.55 22.24S 68.20W 112–4 4.8,4.5
BJI IX 07 02 37 02.5 22.30S 68.20W 96 5.3b,4.5
GCMT IX 07 02 37 05.7–.30 22.43S–.02 68.66W–.02 135–3 5.0W,4.5
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Calama, [III] at Oficina Maria Elena and [II] at Tocopilla. Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61 $M_{\theta\theta}$0.88 $M_{\phi\phi}$1.74 $M_{r\theta}$0.54 $M_{\theta\phi}$-1.82 $M_{\theta r}$-1.78 Best double couple: NP1:ϕ_s335.00000°,δ62.00000°,λ-76.00000°. NP2:ϕ_s126.00000°,δ31.00000°,λ-115.00000°. Principal axes: T 3.6600,Plg16.0000°,Azm54.0000° ; N -0.4100,Plg13.0000°,Azm148.0000°; P -3.2500,Plg70.0000°,Azm275.0000° M_o3.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s69,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.15 $M_{\theta\theta}$1.13±.17; $M_{\phi\phi}$1.65±.22; $M_{r\theta}$1.10±.10; $M_{\theta\phi}$-1.79±.13; $M_{\theta r}$-3.24±.14; Best double couple: NP1:ϕ_s336.00000°,δ70.00000°,λ-77.00000°. NP2:ϕ_s121.00000°,δ24.00000°,λ-123.00000°. Principal axes: T 4.6200,Plg24.0000° ,Azm56.0000°; N -0.1260,Plg13.0000°,Azm151.0000°; P -4.4940,Plg63.0000° ,Azm267.0000° M_o4.55700×10^{16}
ISC IX 07 05 50 59.7–.62 22.60S–.05 68.47W–.06 117–5 4.0b 49 0-146
SJA IX 07 05 50 58.3–.56 22.62S 68.58W 121–5 3.4W,2.8L **¶601863102**
ISCJB IX 07 05 50 59.0–.34 22.61S–.04 68.52W–.05 122–4 3.8b,2.8L
GUC IX 07 05 50 59.7–.60 22.53S 68.64W 127–5 4.1L,2.8L
IDC IX 07 05 51 00.6–2.6 22.45S 68.23W 118–22 4.0,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=7.5km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=146.0.
GUC Error ellipse: s-maj=2.4km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=15.9km az=53.0.
GUC IX 09 06 53 35.5–.60 26.45S 69.98W 84–8 3.6L
¶604836698
GUC Error ellipse: s-maj=1.4km s-min=12.3km az=-1.0.
ISC IX 09 19 18 43.7–.72 23.85S–.05 68.99W–.06 103–7 3.9b 51 1-83
SJA IX 09 19 18 40.4–.71 23.91S 69.26W 42–35 3.5L **¶601863252**
ISCJB IX 09 19 18 42.7–.28 23.88S–.03 69.04W–.05 112–4 3.9b
GUC IX 09 19 18 44.2–.69 23.80S 69.17W 106–5 4.2L
IDC IX 09 19 18 44.6–3.2 23.80S 68.80W 108–27 4.0,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=7.4km s-min=18.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=164.9.
GUC Error ellipse: s-maj=2.6km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=19.2km az=32.0.
ISC IX 10 08 46 56.4–.73 19.84S–.04 69.06W–.08 113–7 3.6b 26 0-134
ISCJB IX 10 08 46 55.6–.45 19.85S–.04 69.08W–.08 126–5 3.7b **¶601863287**
GUC IX 10 08 46 57.4–.54 19.85S 69.12W 105–3 3.8L
IDC IX 10 08 46 58.5–2.3 19.74S 68.91W 132–19 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.0km az=0.1.
GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=18.5km az=80.0.
GUC IX 13 07 34 12.1–.62 22.29S 68.03W 196–10 3.7L
¶604836733
GUC Error ellipse: s-maj=3.2km s-min=11.1km az=-1.0.
GUC IX 13 09 39 27.6–.64 22.59S 68.92W 114–6 3.5L
¶604836734
GUC Error ellipse: s-maj=2.6km s-min=6.8km az=-1.0.
ISC IX 13 12 24 11.9–1.5 26.90S–.05 69.77W–.08 81–16 21 1-5
ISCJB IX 13 12 24 11.2–.75 26.91S–.04 69.73W–.09 82–15 **¶604392715**
GUC IX 13 12 24 11.5–.50 26.87S 70.42W 89–4 3.3L
SJA IX 13 12 24 11.1–.49 26.90S 69.53W 63–21 3.3W,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=6.9km az=1.9.
GUC Error ellipse: s-maj=1.4km s-min=13.3km az=-1.0.
SJA Error ellipse: s-maj=12.3km s-min=14.6km az=-1.0.
ISC IX 16 20 23 18.3–.85 22.47S–.05 69.11W–.09 90–8 25 0-147
GUC IX 16 20 23 16.4–.47 22.48S 69.08W 97–3 3.8L **¶601863674**
ISCJB IX 16 20 23 17.5–.64 22.47S–.04 69.08W–.10 94–8 3.6b
IDC IX 16 20 23 21.6–3.6 22.24S 69.14W 125–34 3.6,3.4b
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.0km az=5.4.

IDC Error ellipse: s-maj=55.3km s-min=31.7km az=108.0.
ISC IX 17 07 26 22.2–.57 23.84S–.04 69.16W–.05 89–4 3.8b 54 1-148
ISCJB IX 17 07 26 21.7–.35 23.84S–.03 69.20W–.04 99–4 3.7b **¶601863697**
SJA IX 17 07 26 21.8–.56 23.90S 69.11W 57–11 3.2W,3.0L
GUC IX 17 07 26 22.2–.47 23.75S 69.23W 103–8 4.1L,3.0L
IDC IX 17 07 26 22.3–.71 23.82S 69.01W 88–5 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=159.4.
SJA Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=3.7km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=21.4km s-min=18.6km az=48.0.
GUC IX 20 15 56 29.6–.81 18.11S 69.79W 96–5 3.5L
¶604836795
GUC Error ellipse: s-maj=4.2km s-min=5.5km az=-1.0.
ISC IX 21 12 17 26.0–.24 19.68S–.03 69.19W–.04 108–2 5.3b 1580 0-172
ISCJB IX 21 12 17 24.2–.11 19.49S–.02 69.06W–.03 106 5.3b **¶601735816**
GUC IX 21 12 17 25.8–.62 19.72S 69.34W 101–3 5.5W,5.4L
IDC IX 21 12 17 26.3–.39 19.55S 69.02W 107–2 5.1,4.8
NEIC IX 21 12 17 26.2–.13 19.57S 68.96W 106 5.4L,5.4b
MOS IX 21 12 17 26.7–1.5 19.57S 69.05W 120 5.3b,5.4b
BJI IX 21 12 17 27.7 19.60S 69.00W 107 5.3b,5.4b
GCMT IX 21 12 17 28.2–.10 19.72S–.01 69.53W–.01 125–0 5.3W,5.4b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Alto Hospicio, Arica, Iquique, Pisagua and Poconchile and [III] at Codpa, Cuya, Huara, La Tirana and Pica.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c158; s110,c201;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.02 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$0.23±.03; $M_{r\theta}$0.47±.01; $M_{\theta\phi}$-0.06±.02; $M_{\phi r}$-1.24±.02; Best double couple: NP1:ϕ_s339.00000°,δ85.00000°,λ-92.00000°. NP2:ϕ_s184.00000°,δ5.00000°,λ-66.00000°. Principal axes: T 1.3660,Plg40.0000° ,Azm71.0000°; N -0.0390,Plg2.0000°,Azm339.0000°; P -1.3270,Plg50.0000°,Azm247.0000° M_o1.34700×10^{17}
GUC IX 21 19 15 07.4–.79 21.13S 69.47W 93–3 3.6L
¶604836804
GUC Error ellipse: s-maj=1.8km s-min=5.2km az=-1.0.
ISC IX 22 04 18 12.9–.41 22.01S–.04 68.73W–.05 119–3 4.5b 323 1-165
SJA IX 22 04 17 57.3–.46 21.48S 69.07W 340–21 3.7L,3.4W **¶601736493**
ISCJB IX 22 04 18 10.6–.30 21.97S–.03 68.54W–.04 106–2 4.5b,3.4W
GUC IX 22 04 18 12.2–.65 22.02S 68.82W 117–4 4.6L,3.4W
NEIC IX 22 04 18 12.0–.00 22.02S 68.82W 117 4.6L,4.5b
IDC IX 22 04 18 13.2–.68 21.94S 68.40W 119–5 4.5,4.2
ISC Event type se.
SJA Error ellipse: s-maj=12.3km s-min=21.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=148.0.
GUC Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=15.6km s-min=12.4km az=45.0.
GUC IX 23 08 20 57.8–.76 22.69S 68.83W 112–7 3.5L
¶604836813
GUC Error ellipse: s-maj=2.9km s-min=7.2km az=-1.0.
ISC IX 23 12 28 30.5–.43 20.33S–.03 69.33W–.05 97–3 4.5b 373 0-163
GUC IX 23 12 28 30.8–.49 20.33S 69.27W 89–3 4.2L **¶601737055**
NEIC IX 23 12 28 30.0–.00 20.33S 69.30W 89 4.5b,4.2L
IDC IX 23 12 28 31.3–.65 20.26S 68.93W 104–5 4.2,4.0
ISC Event type fe.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
NEIC Event type fe. Felt [IV] at Alto Hospicio and Iquique; [III] at Camina, Huara and Pica; [II] at Mamina. After GUC.
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=44.0.
GUC IX 23 21 41 34.0–.74 23.60S 69.32W 78–5 3.4L
¶604836821
GUC Error ellipse: s-maj=4.5km s-min=5.0km az=-1.0.
ISC IX 24 03 09 04.2–.63 20.29S–.04 69.10W–.07 102–6 3.6b 54 0-134
ISCJB IX 24 03 09 03.4–.32 20.23S–.03 69.07W–.06 108–4 3.5b **¶601845964**
NEIC IX 24 03 09 04.0–.00 20.22S 69.19W 99 4.2L,4.2b
GUC IX 24 03 09 04.6–.39 20.23S 69.19W 97–2 4.2L,4.2b
IDC IX 24 03 09 07.0–2.5 20.21S 68.85W 117–22 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=4.5km az=0.6.
NEIC Event type fe. Felt [II] at Alto Hospicio, Huara, Iquique, La Tirana, Pica and Pisagua. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=25.7km s-min=18.3km az=98.0.
GUC IX 25 02 10 20.6–.76 20.99S 69.97W 70–4 3.8L
¶604836833
GUC Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
GUC IX 25 13 55 47.5–.46 22.77S 68.76W 111–4 3.8L
¶604836840
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
ISC IX 25 18 28 14.7–.73 22.49S–.05 68.80W–.06 105–7 32 0-146
ISCJB IX 25 18 28 13.8–.57 22.51S–.04 68.88W–.07 119–6 4.0b **¶601864163**
IDC IX 25 18 28 13.6–3.2 22.75S 68.78W 79–26 3.8,3.8b
GUC IX 25 18 28 16.9–.88 22.46S 68.95W 103–4 4.4L,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.1km az=9.6.
IDC Error ellipse: s-maj=41.8km s-min=23.6km az=95.0.
GUC Error ellipse: s-maj=2.4km s-min=4.0km az=-1.0.
ISC IX 26 16 11 50.0–1.4 22.67S–.05 68.98W–.05 101–10 33 0-9
ISCJB IX 26 16 11 48.6–.60 22.68S–.04 68.99W–.05 115–7 **¶604392955**
GUC IX 26 16 11 49.4–.70 22.62S 68.96W 103–4 4.2L
SJA IX 26 16 12 04.4–.69 22.71S 67.46W 163–36 3.0W,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.5km az=3.1.
GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
SJA Error ellipse: s-maj=9.3km s-min=28.9km az=-1.0.
ISC IX 26 17 45 00.5–.28 22.30S–.03 68.63W–.03 113–2 5.3b 1235 0-174
ISCJB IX 26 17 44 58.8–.13 22.14S–.02 68.47W–.03 112 5.3b **¶601741012**
MOS IX 26 17 44 58.1–1.3 22.25S 68.43W 99 5.3b
GUC IX 26 17 44 59.7–.54 22.30S 68.66W 115–4 5.0L
SJA IX 26 17 44 59.1–.78 22.23S 68.40W 205–38 4.6W,4.5L
IDC IX 26 17 45 00.6–.56 22.26S 68.42W 112–4 5.1,4.8
NEIC IX 26 17 45 00.6–.12 22.26S 68.44W 112 5.3b,5.1L
BJI IX 26 17 45 01.6 22.30S 68.50W 108 5.5b,5.1L
GCMT IX 26 17 45 02.6–.20 22.35S–.02 68.71W–.02 130–1 5.2W,5.1L
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Calama and [II] at San Pedro de Atacama and Tocopilla.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c74; s96,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.13±.14 $M_{\theta\theta}$0.04±.18; $M_{\phi\phi}$6.10±.23; $M_{r\theta}$-0.25±.13; $M_{\theta\phi}$-2.29±.19; $M_{\phi r}$-2.80±.18; Best double couple: NP1:ϕ_s351.00000°,δ57.00000°,λ-78.00000°. NP2:ϕ_s151.00000°,δ35.00000°,λ-107.00000°. Principal axes: T 7.3650,Plg11.0000° ,Azm73.0000°; N -0.5330,Plg10.0000°,Azm165.0000°; P -6.8230,Plg75.0000° ,Azm296.0000° M_o7.09400×10^{16}
ISC IX 27 16 39 00.9–.60 20.08S–.03 69.16W–.06 101–5 4.7b 166 0-166
ISCJB IX 27 16 38 59.8–.27 20.03S–.02 69.08W–.05 110–2 4.6b **¶601751151**
NEIC IX 27 16 39 00.0–.00 20.08S 69.25W 100 4.7b,4.3L
GUC IX 27 16 39 00.9–.78 20.08S 69.26W 100–3 4.2L,4.3L
IDC IX 27 16 39 03.7–2.1 20.00S 68.91W 121–17 4.4,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.0km az=172.9.
NEIC Event type fe. Felt [III] at Pica and [II] at Camina and Iquique. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=20.2km s-min=13.6km az=68.0.
ISC IX 27 22 18 23.1–.28 22.92S–.03 68.91W–.03 103–2 4.8b 685 0-169
SJA IX 27 22 18 16.6–.83 22.67S 69.00W 231–36 4.2W,4.2L **¶601751837**
ISCJB IX 27 22 18 20.7–.27 22.81S–.02 68.61W–.04 101–2 4.8b,4.2L
IDC IX 27 22 18 23.4–.34 22.84S 68.54W 105–2 4.6,4.3
NEIC IX 27 22 18 23.0–.00 22.88S 68.95W 102 4.8b,4.7L
GUC IX 27 22 18 23.4–.57 22.88S 68.95W 102–4 4.7L,4.7L
BJI IX 27 22 18 24.0 22.90S 68.90W 102 5.2b,4.7L
ISC Event type fe.
SJA Error ellipse: s-maj=7.4km s-min=18.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=157.2.
IDC Error ellipse: s-maj=12.3km s-min=9.7km az=77.0.
NEIC Event type fe. Felt [III] at Calama. Also felt at San Pedro de Atacama. After GUC. Moment Tensor Solution. Best double couple: NP1:ϕ_s168.00000°,δ28.00000°,λ-117.00000°. NP2: ϕ_s18.00000°,δ66.00000°,λ-76.00000°. Principal axes: T 1.0800,Plg20.0000°,Azm98.0000° ; N -0.0200,Plg12.0000°,Azm193.0000°; P -1.0700,Plg67.0000°,Azm313.0000°
GUC Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
GUC IX 29 03 32 22.8–.53 22.25S 68.67W 111–3 3.6L
¶604836870
GUC Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0.
GUC X 01 12 29 15.2–.62 22.24S 68.03W 206–10 3.7L
¶604836893
GUC Error ellipse: s-maj=4.1km s-min=10.8km az=-1.0.
ISC X 02 17 50 21.4–.56 27.44S–.04 69.32W–.04 110–5 4.3b 104 1-159
SJA X 02 17 50 19.6–.59 27.48S 69.29W 145–4 4.3L,4.2W **¶601867593**
ISCJB X 02 17 50 20.4–.29 27.46S–.03 69.24W–.04 108–3 4.2b,4.2W
NEIC X 02 17 50 20.0–.00 27.50S 69.41W 118 4.3L,4.3b
GUC X 02 17 50 20.5–.75 27.50S 69.41W 120–5 4.3L,4.3b
IDC X 02 17 50 22.8–.93 27.42S 69.15W 117–5 4.0,3.8
ISC Event type fe.
SJA Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=165.8.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=31.4km s-min=19.2km az=31.0.
GUC X 04 19 20 09.1–.48 20.04S 69.23W 95–2 3.5L
¶604836902
GUC Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0.
ISC X 05 13 28 35.8–.79 18.57S–.05 69.17W–.09 116–7 3.6b 31 0-151
ISCJB X 05 13 28 35.9–.50 18.61S–.04 69.32W–.08 127–4 3.6b **¶601997148**
GUC X 05 13 28 37.2–.66 18.62S 69.24W 106–4 4.0L
IDC X 05 13 28 38.5–2.3 18.54S 68.91W 138–19 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.6km az=170.1.
GUC Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=26.2km s-min=21.3km az=74.0.
GUC X 08 17 42 01.2–.57 23.34S 68.12W 174–7 4.0L
¶604836929
GUC Error ellipse: s-maj=3.9km s-min=7.5km az=-1.0.
GUC X 10 22 33 16.7–.35 22.36S 68.70W 115–3 3.5L
¶604836947
GUC Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0.
ISC X 12 21 26 36.3–.42 23.67S–.04 68.11W–.04 135–3 4.8b 536 1-170
SJA X 12 21 26 32.7–.51 23.56S 68.24W 137–14 3.0W,3.0L **¶601830334**
ISCJB X 12 21 26 33.9–.27 23.50S–.03 67.90W–.04 130–2 4.7b,3.0L
NEIC X 12 21 26 33.4–.40 23.63S 67.81W 108–3 5.1L,4.9b
GUC X 12 21 26 36.8–.51 23.49S 68.35W 156–5 5.1L,4.9b
IDC X 12 21 26 37.2–.54 23.48S 67.73W 139–4 4.6,4.3
ISC Event type se.
SJA Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=150.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=78.0. Moment Tensor Solution. s14 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.06 $M_{\theta\theta}$-2.59 $M_{\phi\phi}$7.65 $M_{r\theta}$3.34 $M_{\theta\phi}$-0.21 $M_{\phi r}$-5.35 Best double couple: NP1:ϕ_s334.00000°,δ70.00000°,λ-115.00000°. NP2:ϕ_s208.00000° ,δ32.00000°,λ-41.00000°. Principal axes: T 9.7600,Plg21.0000°,Azm83.0000° ; N -1.1600,Plg23.0000°,Azm343.0000°; P -8.6000,Plg58.0000°,Azm211.0000° M_o9.20000×10^{15}
GUC Error ellipse: s-maj=3.3km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=12.2km az=72.0.
ISC X 13 10 02 54.7–1.4 26.4S–.10 69.2W–.10 119 9 2-150
IDC X 13 10 02 40.7–1.5 26.07S 69.17W 0 3.8b,3.6 **¶601998103**
ISC Event type ke.
IDC Error ellipse: s-maj=82.4km s-min=47.9km az=105.0.
ISC X 17 02 53 21.2–1.0 22.27S–.04 68.81W–.05 121–7 40 0-132
ISCJB X 17 02 53 20.5–.65 22.28S–.04 68.82W–.06 127–6 3.6b **¶604738356**
SJA X 17 02 53 20.3–1.0 22.26S 68.80W 125–9 3.2L,2.9W
GUC X 17 02 53 21.4–.60 22.25S 68.80W 123–4 3.7L,2.9W
IDC X 17 02 53 22.2–8.2 15.31S 72.06W 176–66 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.5km az=178.6.
SJA Error ellipse: s-maj=5.5km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=152.1km s-min=63.0km az=172.0.
ISC X 19 18 46 06.0–1.6 23.24S–.04 69.80W–.05 89–9 46 0-6
ISCJB X 19 18 46 05.6–.84 23.23S–.04 69.82W–.07 94–7 **¶604738419**
SJA X 19 18 46 05.4–.96 23.21S 69.78W 88–4 4.2W,3.9L
GUC X 19 18 46 06.5–.50 23.19S 69.75W 83–2 3.1L,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.7km az=12.4.
SJA Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.
GUC X 21 18 21 32.3–.52 22.19S 68.68W 117–4 2.6L
¶604837079
GUC Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0.
ISC X 24 11 54 03.3–.68 23.08S–.04 68.43W–.06 128–6 4.6b 90 1-147
ISCJB X 24 11 54 02.6–.29 23.08S–.03 68.49W–.05 136–4 4.7b **¶601846966**
SJA X 24 11 54 02.8–.70 23.02S 68.43W 128–5 4.0W,3.2L
GUC X 24 11 54 04.3–.66 23.02S 68.59W 129–5 4.5L,3.2L
NEIC X 24 11 54 04.0–.00 23.02S 68.59W 129 4.5L,4.5b
IDC X 24 11 54 04.6–3.1 23.07S 68.07W 122–25 4.4,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=167.9.
SJA Error ellipse: s-maj=3.6km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=33.1km s-min=24.3km az=85.0.
ISC X 26 18 57 42.1–.84 20.06S–.04 69.21W–.09 104 3.6b 16 2-134
ISCJB X 26 18 57 41.6–.54 20.02S–.04 69.07W–.08 104 3.7b **¶601999766**
GUC X 26 18 57 42.4–.41 20.09S 69.36W 107–14 4.1L
IDC X 26 18 57 46.5–2.2 19.91S 68.83W 130–20 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.5km az=1.3.
GUC Error ellipse: s-maj=2.8km s-min=12.1km az=-1.0.
IDC Error ellipse: s-maj=33.4km s-min=18.2km az=97.0.
GUC X 26 22 50 27.4–.43 23.39S 68.43W 142–4 3.6L
¶604837134
GUC Error ellipse: s-maj=2.8km s-min=5.5km az=-1.0.
GUC X 28 09 01 40.0–.58 20.40S 69.03W 111–6 3.0L
¶604837146
GUC Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0.
ISC X 30 05 22 17.2–.42 23.05S–.03 69.72W–.04 74–3 4.2b 166 0-166
ISCJB X 30 05 22 15.8–.21 23.07S–.02 69.72W–.04 81–2 4.0b **¶601859278**
SJA X 30 05 22 16.7–.70 23.00S 69.72W 71–3 4.6L,4.2W
NEIC X 30 05 22 17.0–.00 22.99S 69.70W 69 4.8L,4.2b
GUC X 30 05 22 17.2–.49 22.99S 69.70W 69–2 4.8L,4.2b
IDC X 30 05 22 17.5–.69 23.04S 69.61W 79–4 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=2.8km az=172.2.
SJA Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Calama, Oficina Maria Elena and Sierra Gorda and [III] at San Pedro de Atacama and Tocopilla. Also felt at Antofagasta. After GUC.
GUC Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=15.0km az=36.0.
ISC X 30 09 21 19.8–.73 23.03S–.04 68.83W–.06 94–6 54 0-147
ISCJB X 30 09 21 19.2–.45 23.03S–.03 68.84W–.06 99–5 3.4b **¶602000460**
GUC X 30 09 21 19.7–.52 23.00S 68.88W 91–2 3.8L
SJA X 30 09 21 19.3–.99 23.03S 68.88W 91–4 3.1L,2.9W
IDC X 30 09 21 23.9–3.0 22.93S 68.45W 131–25 4.0,3.7

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.6km az=0.2.
GUC Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
SJA Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=20.8km az=83.0.
GUC X 30 17 25 02.7–.68 20.41S 69.63W 74–4 3.5L
¶604837164

GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
ISC X 30 18 19 18.2–1.1 20.57S–.03 69.85W–.08 56–10 25 1-145
IDC X 30 18 19 05.2–3.4 21.06S 71.01W 0 3.7,3.7L **¶602000521**
GUC X 30 18 19 17.4–.72 20.57S 69.79W 61–5 3.7L,3.7L
ISCJB X 30 18 19 18.1–.56 20.57S–.02 69.86W–.08 58–8 3.3b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 02 06 13 60.0–1.0 20.17S–.03 69.3W–.10 132–10 28 1-77
ISCJB XI 02 06 13 59.8–.62 20.18S–.03 69.3W–.10 133–8 3.5b **¶602388705**
GUC XI 02 06 14 00.7–.61 20.15S 69.26W 122–4 3.9L
IDC XI 02 06 14 05.9–8.0 19.98S 68.47W 144–31 3.9,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=4.3km az=3.3.
GUC Error ellipse: s-maj=1.5km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=144.7km s-min=28.8km az=72.0.
ISC XI 03 15 31 55.7–.90 27.55S–.06 69.23W–.05 125–8 23 1-151
IDC XI 03 15 31 40.5–1.3 27.90S 68.99W 0 4.1,4.1b **¶602388771**
ISCJB XI 03 15 31 54.7–.57 27.56S–.05 69.24W–.06 132–7 3.7b,4.1b
GUC XI 03 15 31 54.2–.40 27.54S 69.17W 137–8 4.1L,4.1b
SJA XI 03 15 31 56.7–.45 27.65S 68.95W 144–8 3.2W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=136.1km s-min=44.9km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.3km az=13.8.
GUC Error ellipse: s-maj=2.4km s-min=11.6km az=-1.0.
SJA Error ellipse: s-maj=5.4km s-min=8.9km az=-1.0.
SJA XI 04 14 27 57.3–.88 22.87S 68.81W 103–9 3.6L
¶604738772

SJA Error ellipse: s-maj=8.1km s-min=15.9km az=-1.0.
SJA XI 04 18 40 53.5–.47 22.78S 69.29W 14–4 3.8L
¶604738780

SJA Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0.
ISC XI 05 17 32 51.7–.45 27.49S–.04 69.30W–.04 108–4 4.4b 291 1-151
ISCJB XI 05 17 32 50.2–.21 27.42S–.02 69.27W–.03 104–2 4.5b **¶601874865**
SJA XI 05 17 32 50.3–.80 27.50S 69.39W 124–7 4.6W,4.5L
GUC XI 05 17 32 51.5–.49 27.74S 69.11W 57–29 4.5L,4.5L
NEIC XI 05 17 32 51.8–.28 27.54S 69.12W 107 4.8b,4.6L
IDC XI 05 17 32 52.3–.61 27.49S 69.15W 109–5 4.4,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=174.5.
SJA Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=13.2km s-min=4.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=6.2km az=82.0. Felt [IV] at Copiapo and Tierra Amarilla and [III] at Caldera and Diego de Almagro.
IDC Error ellipse: s-maj=16.9km s-min=12.7km az=66.0.
ISC XI 07 10 31 50.3–1.0 19.98S–.03 69.4W–.10 104–10 24 0-77
ISCJB XI 07 10 31 50.9–.82 19.97S–.03 69.4W–.10 107–9 3.3b **¶602388955**
GUC XI 07 10 31 50.3–.62 19.96S 69.36W 101–3 3.9L
IDC XI 07 10 31 50.7–8.2 20.10S 69.30W 121–40 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=5.3km az=177.1.
GUC Error ellipse: s-maj=1.4km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=122.0km s-min=30.4km az=79.0.
ISC XI 07 21 19 25.6–.45 22.47S–.03 68.62W–.05 112–4 4.6b 207 0-169
SJA XI 07 21 19 22.4–1.2 22.39S 68.82W 139–20 4.6L,4.2W **¶601880070**
ISCJB XI 07 21 19 23.8–.32 22.50S–.03 68.50W–.04 109–2 4.6b,4.2W
NEIC XI 07 21 19 24.5–.38 22.47S 68.46W 101–3 4.7W,4.7b
GUC XI 07 21 19 25.9–.69 22.42S 68.79W 119–5 4.6L,4.7b
IDC XI 07 21 19 26.4–.57 22.35S 68.34W 117–4 4.5,4.2
ISC Event type fe.
SJA Error ellipse: s-maj=31.4km s-min=7.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=164.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=65.0. Felt [IV] at Calama and [III] at Tocopilla. Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ31.00000°,λ-141.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ-65.00000°. Principal axes: T 1.4100,Plg22.0000°,Azm85.0000°; N 0.1200,Plg24.0000°,Azm185.0000°; P -1.5300,Plg56.0000°,Azm317.0000°
GUC Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=12.2km az=64.0.
ISC XI 08 08 24 22.5–.79 20.43S–.03 69.7W–.10 85–7 3.9b 26 1-90
ISCJB XI 08 08 24 21.7–.41 20.45S–.03 69.58W–.10 92–4 3.8b **¶601880505**
GUC XI 08 08 24 22.6–.65 20.46S 69.93W 73–5 4.2L
IDC XI 08 08 24 24.2–1.6 20.38S 69.29W 97–18 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=5.5km az=0.7.
GUC Error ellipse: s-maj=1.3km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=15.0km az=95.0.
ISC XI 09 06 04 44.2–.69 20.18S–.03 69.19W–.07 98–6 4.2b 55 1-152
ISCJB XI 09 06 04 43.4–.35 20.17S–.03 69.16W–.07 111–4 4.1b **¶601991587**
GUC XI 09 06 04 43.7–.63 20.18S 69.23W 104–4 4.3L
NEIC XI 09 06 04 43.0–.00 20.18S 69.23W 104 4.5b,4.3L
IDC XI 09 06 04 45.3–1.1 20.20S 69.02W 111–10 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.3km az=174.9.
GUC Error ellipse: s-maj=1.2km s-min=5.8km az=-1.0.
NEIC Event type fe. Felt [II] at Alto Hospicio, Iquique and Pozo Almonte. After GUC.
IDC Error ellipse: s-maj=21.1km s-min=9.5km az=95.0.
ISC XI 09 06 40 16.8–.40 23.01S–.04 68.84W–.05 100–3 4.3b 138 0-147
ISCJB XI 09 06 40 15.5–.38 23.00S–.03 68.83W–.05 103–3 4.2b **¶601882380**
GUC XI 09 06 40 16.5–.57 22.98S 68.92W 98–2 4.5L
IDC XI 09 06 40 16.8–.43 22.80S 68.74W 98–3 4.2,4.0
NEIC XI 09 06 40 16.0–.00 22.98S 68.92W 98 4.5L,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.4km az=171.6.
GUC Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=11.9km az=68.0.
NEIC Event type fe. Felt [III] at Sierra Gorda and [II] at Oficina Maria Elena. After GUC.
ISC XI 13 03 11 26.1–.27 20.42S–.03 69.07W–.04 97–2 4.9b 905 1-173
ISCJB XI 13 03 11 22.8–.34 20.33S–.02 68.84W–.03 83–3 4.9b **¶601890532**
MOS XI 13 03 11 24.4–1.3 20.41S 68.89W 91 5.0b
NEIC XI 13 03 11 24.9–.33 20.44S 68.89W 83–3 5.1L,4.9b
GUC XI 13 03 11 25.0 20.54S 69.03W 93 5.1L,4.9b
IDC XI 13 03 11 26.1–.35 20.40S 68.97W 95–3 4.8,4.5
GCMT XI 13 03 11 28.9–.40 20.43S–.02 69.40W–.03 137–3 5.0W,4.5
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Huara; [IV] at Alto Hospicio, Iquique, La Tirana, Pica and Pozo Almonte; [III] at Quillagua; [II] at Codpa, Cuya and Oficina Maria Elena. Also felt at Arica.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s55,c73;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.66±.17 $M_{\theta\theta}$2.04±.20; $M_{\phi\phi}$-0.38±.27; $M_{r\theta}$1.20±.11; $M_{\theta\phi}$-1.18±.17; $M_{\phi r}$-2.80±.14; Best double couple: NP1:ϕ_s326.00000°,δ76.00000°,λ-64.00000°. NP2:ϕ_s83.00000°,δ29.00000°,λ-150.00000°. Principal axes: T 3.6210,Plg26.0000°,Azm36.0000°; N 0.2760,Plg25.0000°,Azm139.0000°; P -3.9020,Plg52.0000°,Azm267.0000° M_ϕ3.76100×10^{16}
GUC XI 13 15 47 03.9–.42 23.10S 69.14W 91–2 3.9L
¶604837310

GUC Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0.
ISC XI 14 00 00 45.3–.31 27.31S–.04 69.33W–.05 99 4.8b 714 2-171
ISCJB XI 14 00 00 44.2–.14 27.13S–.02 69.08W–.04 99 4.7b **¶601891455**
NEIC XI 14 00 00 44.5–.34 27.33S 69.04W 91–3 5.0L,4.8b
GUC XI 14 00 00 45.8–.62 27.24S 69.73W 141–22 5.0L,4.8b
SJA XI 14 00 00 45.6–.76 27.29S 69.36W 142–8 4.7W,4.7L
IDC XI 14 00 00 45.7–2.5 27.30S 69.12W 101–19 4.6,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.8km az=170.1.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=76.0. Felt [IV] at Copiapo and Tierra Amarilla and [III] at Caldera.
GUC Error ellipse: s-maj=3.0km s-min=25.7km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=19.2km s-min=12.4km az=52.0.
GUC XI 14 05 03 33.4–.72 21.91S 70.00W 72–3 3.7L
¶604837312

GUC Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
ISC XI 16 00 38 05.5–.25 21.50S–.03 69.49W–.04 55–1 5.0b,3.9s 897 0-174
SJA XI 16 00 38 02.0–.32 21.47S 69.81W 159–6 4.8W,4.3L **¶601903367**
ISCJB XI 16 00 38 03.5–.31 21.35S–.02 69.24W–.04 54–3 5.0b,4.1s
MOS XI 16 00 38 03.2–1.2 21.43S 69.37W 44 5.3b,4.1s
NEIC XI 16 00 38 05.0–.00 21.51S 69.50W 54 5.2L,5.0b
IDC XI 16 00 38 06.0–.31 21.36S 69.29W 57–2 4.6,4.5
GUC XI 16 00 38 05.6–.71 21.51S 69.49W 62–3 5.3L,5.0W
BJI XI 16 00 38 07.5 21.50S 69.50W 54 5.3b,5.2s
GCMT XI 16 00 38 08.0–.40 21.51S–.02 69.71W–.03 41–1 5.0W,5.2s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Calama, Oficina Maria Elena and Tocopilla; [III] at Alto Hospicio, Iquique, La Tirana and Pica. After GUC. Moment Tensor Solution. s16 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14 $M_{\theta\theta}$-2.59 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.45 $M_{\phi r}$0.08 Best double couple: NP1:ϕ_s243.00000°,δ44.00000°,λ90.00000°. NP2:ϕ_s63.00000°,δ47.00000°,λ90.00000°. Principal axes: T 3.1400,Plg88.0000°,Azm334.0000°; N 0.2100,Plg0.0000°,Azm243.0000°; P -3.3500,Plg2.0000°,Azm153.0000° M_ϕ3.30000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c39; s67,c87;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.20 $M_{\theta\theta}$-3.15±.12; $M_{\phi\phi}$0.78±.16; $M_{r\theta}$1.09±.11; $M_{\theta\phi}$-0.95±.10; $M_{\phi r}$1.72±.15; Best double couple: NP1:ϕ_s51.00000°,δ65.00000°,λ59.00000°. NP2:ϕ_s285.00000°,δ39.00000°,λ137.00000°. Principal axes: T 3.4980,Plg59.0000°,Azm277.0000°; N 0.2460,Plg27.0000°,Azm65.0000°; P -3.7370,Plg14.0000°,Azm163.0000° M_ϕ3.61800×10^{16}
ISC XI 17 09 09 36.6–.34 18.83S–.03 69.14W–.04 125–2 4.6b 547 1-165
ISCJB XI 17 09 09 32.9–.32 18.74S–.02 68.93W–.03 106–3 4.7b **¶601906763**
GUC XI 17 09 09 35.9–.66 18.90S 69.24W 117–4 4.5L
NEIC XI 17 09 09 36.5–.17 18.89S 68.88W 125 4.7b,4.5L
IDC XI 17 09 09 36.9–.42 18.87S 68.91W 127–3 4.7,4.3
BJI XI 17 09 09 39.0 18.90S 68.90W 125 4.7,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=156.8.
GUC Error ellipse: s-maj=2.3km s-min=5.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.8km az=81.0. Felt at Arica, Chile.
IDC Error ellipse: s-maj=11.0km s-min=7.0km az=93.0.
ISC XI 21 21 05 32.7–.51 22.08S–.04 69.12W–.04 86–4 4.4b 92 0-165
SJA XI 21 21 05 23.6–.27 21.67S 69.69W 100 4.1L,3.5W **¶601993531**
ISCJB XI 21 21 05 32.0–.26 22.15S–.03 69.15W–.04 97–2 4.1b,3.5W
IDC XI 21 21 05 32.7–.48 22.07S 68.88W 86–4 4.1,3.9
NEIC XI 21 21 05 33.0–.00 22.09S 69.17W 86 4.6L,4.5b
GUC XI 21 21 05 33.0–.41 22.09S 69.17W 86–2 4.6L,4.5b
ISC Event type fe.
SJA Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.9km az=163.7.
IDC Error ellipse: s-maj=18.7km s-min=11.4km az=107.0.
NEIC Event type fe. Felt [III] at Tocopilla and [II] at Oficina Maria Elena and Sierra Gorda. After GUC.
GUC Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
ISC XI 22 06 38 05.7–1.5 27.75S–.04 69.31W–.05 115–17 29 1-4
ISCJB XI 22 06 38 05.4–.73 27.76S–.03 69.29W–.05 112–12 **¶604740205**
GUC XI 22 06 38 05.6–.65 27.69S 69.64W 131–5 3.7L
SJA XI 22 06 38 07.0–.34 27.82S 69.16W 100 3.5W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=175.2.
GUC Error ellipse: s-maj=2.9km s-min=12.8km az=-1.0.
SJA Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
GUC XI 23 13 55 02.7–.37 19.05S 69.44W 118–2 3.6L
¶604837446

GUC Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0.
GUC XI 24 03 17 34.1–.56 20.09S 69.41W 90–2 3.6L
¶604837455

GUC Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
ISC XI 24 12 50 20.9–.49 22.03S–.04 68.64W–.05 105–4 4.4b 139 1-165
ISCJB XI 24 12 50 19.1–.36 22.03S–.03 68.58W–.05 101–3 4.3b **¶601994144**
IDC XI 24 12 50 19.4–.68 21.91S 68.58W 88–7 4.3,4.1
GUC XI 24 12 50 20.6–.39 22.00S 68.82W 106–3 4.1L,4.1
NEIC XI 24 12 50 20.0–.00 22.00S 68.82W 106 4.4b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=176.1.
IDC Error ellipse: s-maj=17.2km s-min=13.5km az=135.0.
GUC Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 25 11 32 32.6–.73 23.26S–.04 69.08W–.05 88–6 3.8b 38 0-147
ISCJB XI 25 11 32 32.6–.49 23.24S–.04 69.17W–.06 100–4 3.5b **¶602389968**
GUC XI 25 11 32 32.8–.67 23.23S 69.16W 89–3 3.8L
IDC XI 25 11 32 33.3–1.5 23.14S 69.04W 90–7 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.1km az=4.7.
GUC Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=34.3km s-min=22.4km az=43.0.
ISC XI 25 22 51 48.8–.44 19.70S–.03 69.41W–.05 103–3 4.4b 112 0-152
ISCJB XI 25 22 51 48.4–.27 19.65S–.03 69.32W–.06 110–2 4.2b **¶601994451**
GUC XI 25 22 51 49.3–.75 19.64S 69.37W 98–3 4.6L
NEIC XI 25 22 51 49.0–.00 19.63S 69.38W 102 4.6L,4.4b
IDC XI 25 22 51 50.0–.53 19.54S 69.07W 103–4 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.0km az=170.6.
GUC Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt [IV] at Camina and Mamina; [III] at Alto Hospicio, Iquique and La Tirana; [II] at Huara. After GUC.
IDC Error ellipse: s-maj=19.1km s-min=9.8km az=84.0.
GUC XI 26 07 59 49.0–.68 23.12S 69.30W 92–3 3.5L
¶604837475

GUC Error ellipse: s-maj=2.3km s-min=3.6km az=-1.0.
ISC XI 27 00 12 51.9–2.2 22.74S–.08 68.05W–.06 176–19 21 1-4
ISCJB XI 27 00 12 53.5–1.1 22.71S–.08 68.04W–.06 160–12 **¶604740323**
SJA XI 27 00 12 55.5–.49 23.05S 68.01W 40–999 2.8W,2.3L
GUC XI 27 00 12 56.5–.44 22.47S 68.13W 144–3 3.9L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.3km az=21.6.
SJA Error ellipse: s-maj=6.4km s-min=24.6km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=4.0km az=-1.0.
ISC XI 27 01 53 42.6–.86 20.05S–.04 69.25W–.08 110–7 22 0-145
ISCJB XI 27 01 53 42.4–.62 20.04S–.04 69.25W–.08 117–5 4.0b **¶602390029**
GUC XI 27 01 53 44.2–.51 20.08S 69.30W 99–3 4.0L
IDC XI 27 01 53 47.6–2.3 19.95S 68.67W 135–21 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.4km az=2.9.
GUC Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=48.6km s-min=19.4km az=95.0.
GUC XI 29 14 35 10.6–.75 20.88S 69.14W 103–4 3.5L
¶604837519

GUC Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0.
ISC XI 29 18 09 04.7–.74 20.13S–.04 69.16W–.08 102–6 3.5b 30 0-152
ISCJB XI 29 18 09 04.0–.47 20.11S–.03 69.13W–.07 112–4 3.6b **¶602390179**
GUC XI 29 18 09 05.6–.57 20.14S 69.23W 100–3 3.9L
IDC XI 29 18 09 06.0–1.5 20.21S 69.07W 115–15 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.5km az=0.7.
GUC Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=14.1km az=99.0.
ISC XI 30 19 30 29.6–1.3 25.03S–.04 69.3W–.10 125–13 33 0-8

SJA XI 30 19 30 25.3–.57 24.80S 69.33W 100 3.6L,3.5W ¶604740407
ISCJB XI 30 19 30 28.6–.49 25.03S–.03 69.3W–.10 133–9 3.6L,3.5W
GUC XI 30 19 30 31.9–1.0 24.94S 69.26W 104–8 4.1L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=6.7km s-min=14.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=4.2km az=174.4.
GUC Error ellipse: s-maj=4.4km s-min=7.4km az=-1.0.
ISC XII 01 15 53 19.4–1.6 20.33S–.04 69.17W–.06 119–10 45 0-5
SJA XII 01 15 53 18.8–1.1 20.33S 69.11W 115–6 3.2L,3.1W ¶604740431
ISCJB XII 01 15 53 19.1–.66 20.33S–.03 69.15W–.07 122–6 3.2L,3.1W
GUC XII 01 15 53 19.3–.71 20.32S 69.10W 113–3 3.9L,3.1W
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=6.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.2km az=173.1.
GUC Error ellipse: s-maj=1.7km s-min=5.0km az=-1.0.
GUC XII 04 16 48 18.3–.57 23.17S 68.52W 127–5 3.6L
¶604837591
GUC Error ellipse: s-maj=2.9km s-min=5.4km az=-1.0.
GUC XII 04 20 33 52.4–.57 23.29S 68.56W 113–4 3.5L
¶604837593
GUC Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
GUC XII 05 09 38 02.7–.75 23.47S 69.53W 80–7 3.5L
¶604837600
GUC Error ellipse: s-maj=2.1km s-min=6.6km az=-1.0.
ISC XII 07 12 25 34.7–.65 19.68S–.04 69.19W–.07 105–6 3.5b 31 0-152
ISCJB XII 07 12 25 33.9–.45 19.69S–.04 69.20W–.07 115–4 3.4b ¶602320714
GUC XII 07 12 25 35.1–.51 19.66S 69.23W 108–3 3.6L
IDC XII 07 12 25 36.5–.86 19.74S 68.69W 125–9 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.8km az=172.7.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=8.0km az=99.0.
ISC XII 08 07 31 54.2–.69 20.05S–.04 69.36W–.07 109–5 3.8b 31 0-152
ISCJB XII 08 07 31 53.5–.44 20.05S–.03 69.37W–.07 118–4 3.6b ¶602390796
GUC XII 08 07 31 54.6–.60 20.07S 69.42W 106–4 3.9L
IDC XII 08 07 31 55.6–1.8 20.10S 69.19W 122–18 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.0km az=177.6.
GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=28.7km s-min=22.0km az=55.0.
GUC XII 11 11 29 49.2–.59 24.87S 69.83W 54–7 3.5L
¶604837654
GUC Error ellipse: s-maj=4.5km s-min=3.9km az=-1.0.
GUC XII 11 15 23 46.2–.59 22.02S 68.75W 125–4 3.6L
¶604837660
GUC Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.
ISC XII 13 17 41 59.5–.97 20.61S–.03 69.89W–.07 55–9 3.7b 29 1-145
GUC XII 13 17 41 59.6–.62 20.62S 69.88W 45–1 4.2L ¶602043412
ISCJB XII 13 17 42 00.3–.50 20.61S–.02 69.93W–.07 48–10 3.6b
IDC XII 13 17 42 03.6–2.3 20.57S 69.39W 84–19 3.8,3.7
ISC Event type ke.
GUC Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=3.8km az=179.1.
IDC Error ellipse: s-maj=51.1km s-min=14.8km az=93.0.
ISC XII 15 04 59 50.4–.94 19.79S–.04 69.16W–.10 114–7 20 0-152
ISCJB XII 15 04 59 50.2–.71 19.80S–.04 69.2W–.10 120–6 3.7b ¶602391363
GUC XII 15 04 59 50.0–.57 19.77S 69.10W 109–3 3.6L
IDC XII 15 04 59 51.7–1.6 19.87S 68.75W 127–17 4.1s,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=6.2km az=171.1.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=50.0km s-min=17.2km az=94.0.
ISC XII 16 20 39 24.6–.47 19.80S–.03 69.26W–.06 115–4 4.5b 376 0-172
ISCJB XII 16 20 39 23.4–.20 19.77S–.02 69.24W–.05 125–2 4.5b ¶602043828
NEIC XII 16 20 39 24.0–.00 19.80S 69.39W 113 4.9b,4.5L
GUC XII 16 20 39 24.7–.84 19.80S 69.39W 112–3 4.5L,4.5L
IDC XII 16 20 39 25.3–.63 19.67S 69.00W 119–5 4.2,3.9
SJA XII 16 20 40 05.6–.96 22.39S 66.97W 165–24 3.2W,2.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.6km az=167.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=16.1km s-min=13.2km az=72.0.
SJA Error ellipse: s-maj=21.3km s-min=27.9km az=-1.0.
ISC XII 17 12 04 20.8–.73 19.50S–.04 69.29W–.08 107–7 4.1b 36 0-152
ISCJB XII 17 12 04 20.6–.44 19.53S–.03 69.33W–.08 117–5 3.9b ¶602391540
GUC XII 17 12 04 21.4–.64 19.56S 69.31W 104–3 3.9L
IDC XII 17 12 04 24.4–1.1 19.51S 68.80W 132–9 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.8km az=179.0.
GUC Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=29.8km s-min=8.7km az=97.0.
GUC XII 18 23 58 50.2–.62 21.49S 69.65W 31–3 3.5L
¶604837734
GUC Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
GUC XII 19 07 30 11.9–.75 22.68S 69.23W 100–3 3.5L
¶604837738
GUC Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
GUC XII 21 07 56 05.1–.60 20.57S 69.06W 110–4 3.5L
¶604837756
GUC Error ellipse: s-maj=1.5km s-min=5.4km az=-1.0.
ISC XII 22 16 49 60.0–.95 22.77S–.05 68.31W–.09 115–8 35 1-146
IDC XII 22 16 49 58.8–1.8 22.87S 68.12W 96–18 4.1,3.7 ¶602391878
ISCJB XII 22 16 49 59.3–.68 22.79S–.04 68.34W–.10 124–10 3.7b,3.7
GUC XII 22 16 50 00.4–.43 22.74S 68.48W 129–3 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=54.5km s-min=23.3km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=7.1km az=6.5.
GUC Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
ISC XII 24 05 30 07.4–1.2 23.40S–.06 68.89W–.09 88–10 26 1-147
ISCJB XII 24 05 30 06.5–.89 23.41S–.05 68.89W–.10 97–9 3.8b ¶602391970
GUC XII 24 05 30 07.6–.54 23.39S 69.01W 93–3 3.6L
IDC XII 24 05 30 07.1–3.0 23.30S 68.50W 77–28 3.8,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.1km az=20.5.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=57.6km s-min=41.4km az=138.0.
ISC XII 25 11 38 29.0–.88 20.39S–.03 69.26W–.08 94–7 3.5b 31 0-127
ISCJB XII 25 11 38 28.6–.53 20.40S–.03 69.29W–.08 103–4 3.4b ¶602380583
GUC XII 25 11 38 28.6–.65 20.39S 69.25W 95–3 3.9L
IDC XII 25 11 38 30.4–1.5 20.46S 68.96W 111–17 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=4.5km az=176.0.
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=16.3km az=102.0.
GUC XII 27 07 59 39.2–.59 23.02S 69.22W 102–3 3.5L
¶604837812
GUC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
GUC XII 28 03 09 13.6–.61 22.19S 68.63W 136–4 3.6L
¶604837817
GUC Error ellipse: s-maj=1.7km s-min=4.7km az=-1.0.
GUC XII 28 04 53 23.2–.66 20.06S 69.18W 96–3 3.5L
¶604837819
GUC Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0.
ISC XII 29 06 04 16.0–.51 19.93S–.03 69.15W–.07 107–4 4.0b 73 0-167
ISCJB XII 29 06 04 14.9–.35 19.92S–.03 69.15W–.07 116–4 4.0b ¶602064209
NEIC XII 29 06 04 16.0–.00 19.90S 69.22W 101 4.3L,3.7b
IDC XII 29 06 04 16.8–.85 19.84S 68.91W 110–6 4.2,3.8
GUC XII 29 06 04 16.0–.59 19.90S 69.22W 102–2 4.3L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.9km az=174.5.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=23.8km s-min=20.9km az=53.0.
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
ISC XII 31 04 23 20.6–.91 19.34S–.05 69.19W–.09 116–8 24 0-89
ISCJB XII 31 04 23 20.8–.65 19.37S–.04 69.30W–.09 124–5 3.4b ¶602380468
GUC XII 31 04 23 20.9–.44 19.36S 69.22W 112–2 3.3L
IDC XII 31 04 23 22.4–1.6 19.41S 68.85W 129–16 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.4km az=168.2.
GUC Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=31.5km s-min=14.7km az=103.0.

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ISC VII 02 23 50 50.6–.66 22.14S–.04 67.16W–.03 166–6 4.2b 108 2-145
SJA VII 02 23 50 47.4–.36 21.82S 67.04W 195–27 4.5L,3.7W ¶601235596
ISCJB VII 02 23 50 50.5–.23 22.15S–.02 67.18W–.03 179–3 4.0b,3.7W
IDC VII 02 23 50 52.8–1.6 21.97S 67.05W 183–15 4.3,4.0
NEIC VII 02 23 50 53.0–.00 22.04S 67.74W 218 4.6L,4.3b
GUC VII 02 23 50 53.1–.60 22.04S 67.74W 218–8 4.6L,4.3b
SCB VII 02 23 50 54.5–1.8 21.90S 67.18W 10–9 4.3L,4.3b
ISC Event type se.
SJA Error ellipse: s-maj=7.0km s-min=18.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=23.5.
IDC Error ellipse: s-maj=17.9km s-min=10.9km az=69.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.6km s-min=9.3km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.6km s-min=2.3km az=0.0.
GUC VII 03 00 47 10.4–.78 21.94S 68.71W 126–6 3.5L
¶604836256
GUC Error ellipse: s-maj=2.3km s-min=6.2km az=-1.0.
GUC VII 10 11 41 26.0–.66 21.93S 67.77W 210 3.5L
¶604836296
GUC Error ellipse: s-maj=4.5km s-min=6.4km az=-1.0.
GUC VII 10 15 14 36.2–.64 21.36S 67.23W 260–12 3.8L
¶604836299
GUC Error ellipse: s-maj=3.6km s-min=12.4km az=-1.0.
GUC VII 11 07 05 21.0–.60 21.08S 68.87W 132–5 3.8L
¶604836305
GUC Error ellipse: s-maj=2.8km s-min=8.1km az=-1.0.
GUC VII 16 04 21 20.8–.57 21.41S 68.70W 141–4 3.5L
¶604836339
GUC Error ellipse: s-maj=1.6km s-min=6.0km az=-1.0.
GUC VII 18 12 21 23.7–.35 22.80S 67.42W 245–7 3.5L
¶604836357
GUC Error ellipse: s-maj=3.7km s-min=7.3km az=-1.0.
ISC VII 21 06 50 57.9–.82 21.96S–.05 68.97W–.09 96–6 3.5b 34 0-146
ISCJB VII 21 06 50 57.7–.69 21.96S–.04 69.00W–.10 104–5 3.5b ¶601453749
GUC VII 21 06 50 57.8–.70 21.95S 68.99W 95–4 4.1L
IDC VII 21 06 51 01.0–3.2 21.87S 68.65W 121–28 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=5.6km az=12.0.
GUC Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=23.9km az=84.0.
ISC VII 23 16 59 19.0–1.0 21.64S–.05 68.5W–.10 123–10 32 1-146
ISCJB VII 23 16 59 18.9–.70 21.66S–.04 68.6W–.10 133–9 4.6b ¶601666322
GUC VII 23 16 59 18.8–.63 21.63S 68.62W 130–4 3.4L
IDC VII 23 16 59 21.5–7.4 21.50S 67.99W 130–52 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=5.6km az=4.5.
GUC Error ellipse: s-maj=1.6km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=80.7km s-min=33.4km az=4.0.
GUC VII 24 22 07 14.2–.42 22.86S 67.03W 274–10 3.9L
¶604836407
GUC Error ellipse: s-maj=3.6km s-min=11.3km az=-1.0.
ISC VII 25 21 01 28.4–.98 21.22S–.04 68.6W–.10 137–11 4.1b 28 1-145
ISCJB VII 25 21 01 28.2–.65 21.23S–.04 68.7W–.10 146–9 4.0b ¶601666439
GUC VII 25 21 01 29.3–.59 21.21S 68.72W 130–4 3.6L
IDC VII 25 21 01 37.4–8.7 20.62S 67.57W 164–73 4.2s,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=5.9km az=3.8.
GUC Error ellipse: s-maj=1.4km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=101.8km s-min=81.4km az=76.0.
ISC VII 27 04 12 22.6–.87 21.03S–.05 68.6W–.10 137–10 3.9b 27 1-77
ISCJB VII 27 04 12 22.1–.59 21.03S–.04 68.6W–.10 149–9 3.7b ¶601666506
GUC VII 27 04 12 22.9–.66 21.03S 68.69W 140–4 3.7L
IDC VII 27 04 12 24.6–3.6 21.08S 68.12W 136–37 4.0,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=6.7km az=1.5.
GUC Error ellipse: s-maj=1.8km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=38.1km s-min=32.4km az=89.0.
ISC VII 30 01 47 54.7–.49 21.58S–.03 68.50W–.07 121–4 4.1b 100 1-164
ISCJB VII 30 01 47 53.2–.39 21.54S–.03 68.45W–.06 118–4 4.2b ¶601485565
GUC VII 30 01 47 54.9–.73 21.49S 68.71W 127–5 4.6L
NEIC VII 30 01 47 55.0–.00 21.49S 68.70W 125 4.6L,4.3b
IDC VII 30 01 47 55.9–.62 21.45S 68.34W 124–5 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.8km az=2.9.
GUC Error ellipse: s-maj=2.0km s-min=6.5km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=14.3km s-min=11.4km az=76.0.
GUC VII 30 13 57 22.8–.63 21.51S 68.54W 136–5 3.6L
¶604836445
GUC Error ellipse: s-maj=2.4km s-min=6.7km az=-1.0.
ISC VII 30 21 36 40.2–.82 21.29S–.05 68.31W–.07 103–8 4.1b 40 1-153
ISCJB VII 30 21 36 39.3–.53 21.28S–.04 68.28W–.08 107–6 3.9b ¶601650790
GUC VII 30 21 36 40.9–.54 21.30S 68.62W 123–4 3.9L
IDC VII 30 21 36 43.7–2.4 21.19S 68.08W 132–21 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.6km az=11.3.
GUC Error ellipse: s-maj=1.3km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=15.1km az=87.0.
GUC VII 31 00 44 28.6–.47 21.77S 68.59W 137–4 3.7L
¶604836450
GUC Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0.
GUC VIII 02 05 22 01.2–.48 21.45S 67.22W 238–23 3.5L
¶604836462
GUC Error ellipse: s-maj=3.2km s-min=22.3km az=-1.0.
GUC VIII 03 17 38 15.6–.60 21.80S 68.76W 126–4 3.5L
¶604836469
GUC Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0.
GUC VIII 04 15 24 02.2–.53 22.01S 67.80W 208–6 3.6L
¶604836473
GUC Error ellipse: s-maj=2.2km s-min=7.3km az=-1.0.
GUC VIII 04 20 03 31.9–.45 21.92S 68.81W 118–3 3.5L
¶604836476
GUC Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
ISC VIII 04 20 35 07.9–.62 20.63S–.04 68.98W–.07 119–6 5.1b 57 1-145
ISCJB VIII 04 20 35 07.4–.34 20.61S–.03 69.04W–.07 124–4 4.8b ¶601717630
NEIC VIII 04 20 35 08.0–.56 20.64S 68.93W 108–7 4.6b
GUC VIII 04 20 35 09.4–.69 20.59S 69.13W 109–4 4.1L
IDC VIII 04 20 35 10.3–2.8 20.61S 68.84W 122–24 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.8km az=3.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.5km az=97.0.
GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=41.9km s-min=23.4km az=108.0.
ISC VIII 05 08 27 34.1–.80 21.11S–.05 68.45W–.09 120–9 4.1b 36 1-145
ISCJB VIII 05 08 27 33.4–.56 21.16S–.04 68.5W–.10 132–9 4.1b ¶601765487
GUC VIII 05 08 27 34.2–.64 21.14S 68.76W 142–6 4.0L
IDC VIII 05 08 27 37.2–2.4 21.03S 68.14W 141–21 4.3,3.9b
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=5.9km az=10.1.
GUC Error ellipse: s-maj=1.9km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=15.4km az=107.0.
ISC VIII 07 00 48 04.3–1.4 21.43S–.07 67.1W–.20 231–16 40 2-145
GUC VIII 07 00 48 04.3–.38 21.50S 67.24W 238–14 4.1L **¶601765582**
IDC VIII 07 00 48 05.0–2.8 21.29S 66.48W 229–29 4.1,3.6
SCB VIII 07 00 48 07.4–2.4 21.19S 67.02W 0–5 3.5L,3.6
ISC Event type se.
GUC Error ellipse: s-maj=3.9km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=32.7km s-min=23.0km az=156.0.
SCB Event type se. Error ellipse: s-maj=10.7km s-min=6.5km az=0.0.
GUC VIII 07 22 27 47.5–.64 20.42S 68.88W 107–4 3.6L
¶604836504
GUC Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0.
ISC VIII 08 04 43 26.8–.96 21.26S–.07 68.2W–.10 135–14 3.7b 25 1-77
GUC VIII 08 04 43 27.4–.54 21.24S 68.45W 152–5 3.1L **¶601765634**
IDC VIII 08 04 43 30.2–3.1 21.07S 67.81W 153–32 3.9,3.4b
ISC Event type ke.
GUC Error ellipse: s-maj=2.7km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=26.6km az=115.0.
GUC VIII 09 15 32 48.9–.60 21.79S 67.70W 218–11 3.6L
¶604836510
GUC Error ellipse: s-maj=3.3km s-min=11.1km az=-1.0.
ISC VIII 10 11 28 33.8–.71 21.14S–.04 68.9W–.10 115–10 3.8b 40 1-145
SJA VIII 10 11 28 29.8–.31 20.87S 68.91W 232–45 4.5L,4.0W **¶601541970**
ISCJB VIII 10 11 28 32.8–.41 21.15S–.03 68.9W–.10 126–8 3.8b,4.0W
GUC VIII 10 11 28 34.5–.61 21.07S 68.96W 116–4 4.1L,4.0W
NEIC VIII 10 11 28 34.0–.00 21.09S 68.89W 111 4.2L,4.0b
IDC VIII 10 11 28 34.7–14 21.10S 68.61W 98–111 4.2L,4.0
ISC Event type se.
SJA Error ellipse: s-maj=12.7km s-min=81.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=4.4km az=4.4.
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=136.7km s-min=24.4km az=127.0.
GUC VIII 10 18 44 50.8–.61 21.74S 68.67W 132–4 3.5L
¶604836513
GUC Error ellipse: s-maj=1.6km s-min=4.7km az=-1.0.
ISC VIII 15 13 52 38.3–1.0 21.43S–.05 67.4W–.10 210–16 31 2-76
GUC VIII 15 13 52 39.4–.65 21.42S 67.65W 217–7 4.1L **¶601765891**
IDC VIII 15 13 52 43.2–7.4 20.92S 66.56W 204–28 3.6,3.2
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=7.4km az=-1.0.
IDC Error ellipse: s-maj=209.3km s-min=23.5km az=59.0.
ISC VIII 19 23 12 26.2–1.0 20.25S–.05 68.1W–.10 190–15 23 1-76
ISCJB VIII 19 23 12 25.9–.70 20.26S–.05 68.1W–.10 196–13 3.5b **¶601766171**
GUC VIII 19 23 12 26.4–.45 20.25S 68.21W 186–4 3.5L
IDC VIII 19 23 12 30.0–7.1 19.91S 67.53W 199–22 3.6,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=7.2km az=5.8.
GUC Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=175.5km s-min=25.9km az=65.0.
ISC VIII 20 18 41 41.8–.53 21.93S–.04 68.53W–.04 132–5 4.0b 66 1-146
ISCJB VIII 20 18 41 40.3–.28 21.92S–.03 68.52W–.03 130–3 3.9b **¶601605997**
SJA VIII 20 18 41 40.6–.70 22.04S 68.57W 134–5 3.2W,3.0L
NEIC VIII 20 18 41 40.9–.60 21.88S 68.25W 121–5 4.1b,3.0L
GUC VIII 20 18 41 41.0–.73 21.91S 68.67W 134–5 4.5L,3.0L
IDC VIII 20 18 41 43.0–.63 21.74S 68.26W 141–5 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=138.5.
SJA Error ellipse: s-maj=10.4km s-min=5.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=73.0.
GUC Error ellipse: s-maj=2.1km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=13.1km az=83.0.
ISC VIII 21 07 17 54.3–1.3 21.47S–.05 68.6W–.10 131–12 26 1-91
ISCJB VIII 21 07 17 53.7–.84 21.48S–.04 68.6W–.10 136–10 3.3b **¶601766239**
GUC VIII 21 07 17 53.9–.61 21.48S 68.55W 124–7 3.1L
IDC VIII 21 07 17 56.7–9.0 21.33S 68.21W 142–63 3.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=5.7km az=10.0.
GUC Error ellipse: s-maj=1.9km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=86.1km s-min=54.0km az=38.0.
GUC VIII 22 03 40 02.9–.70 21.51S 68.49W 146–6 3.5L
¶604836584
GUC Error ellipse: s-maj=2.6km s-min=6.9km az=-1.0.
ISC VIII 22 15 29 58.0–1.2 20.99S–.10 68.1W–.20 136 3.6b 8 5-145
ISCJB VIII 22 15 29 57.9–1.1 20.96S–.08 68.0W–.20 136 3.6b **¶601766310**
IDC VIII 22 15 30 01.0–2.1 20.81S 67.86W 160–19 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.7km s-min=10.2km az=169.6.
IDC Error ellipse: s-maj=37.1km s-min=17.5km az=82.0.
ISC VIII 24 19 08 13.6–.68 21.75S–.04 68.42W–.06 107–7 4.4b 71 1-148
ISCJB VIII 24 19 08 12.8–.42 21.74S–.03 68.48W–.07 118–5 4.5b **¶601625202**
NEIC VIII 24 19 08 12.3–.50 21.75S 68.29W 93–5 4.3b
IDC VIII 24 19 08 13.3–3.3 21.62S 68.34W 98–27 4.3,4.0
GUC VIII 24 19 08 14.5–.53 21.75S 68.68W 120–4 4.1L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.3km az=1.9.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=102.0.
IDC Error ellipse: s-maj=26.3km s-min=14.9km az=99.0.
GUC Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
GUC VIII 27 02 16 06.5–.45 21.91S 68.72W 126–3 3.5L
¶604836607
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
ISC VIII 29 11 45 40.1–1.1 21.19S–.05 68.6W–.20 128–12 25 1-145
ISCJB VIII 29 11 45 39.6–.78 21.19S–.04 68.6W–.20 135–10 3.6b **¶601755554**
GUC VIII 29 11 45 39.9–.55 21.16S 68.62W 128–4 3.5L
IDC VIII 29 11 45 41.6–5.3 21.08S 68.00W 132–61 3.9,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=5.9km az=11.4.
GUC Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=93.0km s-min=31.1km az=113.0.
ISC VIII 30 00 34 46.4–.74 21.20S–.04 67.90W–.03 157–7 3.8b 73 1-153
ISCJB VIII 30 00 34 45.7–.31 21.24S–.03 67.94W–.03 166–4 3.7b **¶601650912**
SJA VIII 30 00 34 45.5–.67 21.12S 67.55W 221–12 3.7W,3.3L
SCB VIII 30 00 34 46.6–1.7 21.16S 67.86W 0–2 3.5L,3.3L
IDC VIII 30 00 34 46.8–2.1 21.15S 67.68W 158–17 4.1,3.8
GUC VIII 30 00 34 47.6–.68 21.18S 68.34W 182–5 3.9L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=32.4.
SJA Error ellipse: s-maj=8.1km s-min=12.1km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=0.0.
IDC Error ellipse: s-maj=20.8km s-min=15.4km az=57.0.
GUC Error ellipse: s-maj=2.2km s-min=6.9km az=-1.0.
ISC VIII 30 11 57 18.7–1.2 21.46S–.05 68.6W–.10 136–11 25 1-145
ISCJB VIII 30 11 57 17.8–.82 21.47S–.04 68.6W–.10 142–10 3.4b **¶601755613**
GUC VIII 30 11 57 17.7–.49 21.45S 68.57W 134–4 3.5L
IDC VIII 30 11 57 21.4–8.9 21.34S 67.79W 133–73 3.7,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=6.4km az=7.7.
GUC Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=109.0km s-min=74.0km az=80.0.
ISC VIII 30 19 45 17.4–1.0 21.90S–.07 68.24W–.10 107–12 24 1-146
ISCJB VIII 30 19 45 18.0–.85 21.91S–.07 68.4W–.20 125–15 3.6b **¶601755636**
GUC VIII 30 19 45 19.1–.59 21.90S 68.63W 133–7 3.9L
IDC VIII 30 19 45 20.5–3.6 21.89S 67.88W 125–34 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=9.2km az=15.2.
GUC Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=47.7km s-min=28.9km az=134.0.
ISC VIII 31 01 12 16.4–.51 21.66S–.03 68.51W–.06 110–4 4.2b 93 1-164

ISCJB VIII 31 01 12 14.9–.40 21.68S–.03 68.48W–.06 111–4 4.2b **¶601664250**
GUC VIII 31 01 12 16.3–.72 21.64S 68.71W 112–5 4.3L
NEIC VIII 31 01 12 16.0–.00 21.65S 68.67W 114 4.3L,4.3b
IDC VIII 31 01 12 17.6–.63 21.55S 68.36W 118–5 4.2,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=177.9.
GUC Error ellipse: s-maj=1.9km s-min=5.5km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=18.5km s-min=13.2km az=79.0.
ISC IX 04 05 27 22.1–.92 21.10S–.04 68.88W–.10 114–9 27 1-77
IDC IX 04 05 27 03.8–2.4 22.25S 69.20W 0 3.6,3.4 **¶601862906**
ISCJB IX 04 05 27 21.4–.58 21.12S–.04 68.9W–.10 123–7 3.1b,3.4
GUC IX 04 05 27 21.8–.65 21.09S 69.01W 118–3 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=32.1km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.7km az=6.7.
GUC Error ellipse: s-maj=1.3km s-min=5.2km az=-1.0.
ISC IX 05 00 37 43.5–.81 22.61S–.04 67.47W–.03 157–8 4.1b 70 2-146
ISCJB IX 05 00 37 43.0–.38 22.60S–.03 67.49W–.03 160–5 3.8b **¶601862960**
IDC IX 05 00 37 43.4–2.2 22.60S 67.20W 148–21 4.1,3.7
GUC IX 05 00 37 45.6–.58 22.55S 67.82W 174–9 4.0L,3.7
SJA IX 05 00 37 45.6–.84 22.82S 67.56W 34–11 3.5L,3.2W
SCB IX 05 00 37 46.3–2.0 22.50S 67.45W 22–20 3.8L,3.2W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=171.9.
IDC Error ellipse: s-maj=30.7km s-min=18.5km az=87.0.
GUC Error ellipse: s-maj=3.2km s-min=7.7km az=-1.0.
SJA Error ellipse: s-maj=7.2km s-min=3.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=6.9km s-min=3.1km az=0.0.
GUC IX 06 15 23 51.7–.67 21.09S 67.70W 211–13 3.5L
¶604836677
GUC Error ellipse: s-maj=3.5km s-min=14.1km az=-1.0.
ISC IX 08 00 49 50.8–.79 21.11S–.04 68.85W–.09 112–8 3.7b 33 1-145
ISCJB IX 08 00 49 50.1–.52 21.13S–.03 68.91W–.09 123–6 3.6b **¶601863134**
GUC IX 08 00 49 50.6–.74 21.11S 68.94W 112–4 3.9L
IDC IX 08 00 49 51.5–3.1 21.23S 68.69W 110–28 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=5.2km az=1.2.
GUC Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=29.0km s-min=25.0km az=69.0.
ISC IX 09 03 52 33.7–1.1 20.81S–.04 68.9W–.10 108–9 28 1-145
IDC IX 09 03 52 20.1–5.6 21.81S 68.07W 0 3.7,3.7b **¶601863209**
GUC IX 09 03 52 33.9–.71 20.81S 68.95W 104–3 3.4L,3.7b
ISCJB IX 09 03 52 34.6–.95 20.82S–.03 69.0W–.10 108–9 3.1b,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 09 15 56 56.5–.69 21.00S–.03 68.66W–.07 112–7 4.2b 88 1-164
ISCJB IX 09 15 56 55.8–.38 21.01S–.03 68.68W–.06 121–3 4.3b **¶601696973**
GUC IX 09 15 56 56.6–.72 21.02S 68.76W 114–5 3.9L
NEIC IX 09 15 56 56.0–.00 21.02S 68.76W 114 4.3b,3.9L
IDC IX 09 15 56 59.5–2.7 20.91S 68.47W 132–24 4.1,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.2km az=176.1.
GUC Error ellipse: s-maj=1.7km s-min=5.7km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=29.9km s-min=17.8km az=88.0.
ISC IX 10 02 14 05.7–.51 20.46S–.03 68.87W–.05 113–4 4.3b 78 0-163
ISCJB IX 10 02 14 04.2–.29 20.41S–.03 68.87W–.05 117–3 4.3b **¶601697124**
NEIC IX 10 02 14 05.0–.00 20.42S 68.95W 104 4.5L,4.5b
GUC IX 10 02 14 05.4–.56 20.42S 68.95W 106–3 4.5L,4.5b
IDC IX 10 02 14 06.8–.69 20.52S 68.66W 113–5 4.3,4.0
SJA IX 10 02 14 08.9–.31 21.77S 68.97W 18–19 2.9L,2.6W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=168.8.
NEIC Event type fe. Felt [III] at Camina, Pica and Pozo Almonte and [II] at Alto Hospicio, Iquique and Pisagua. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=13.8km az=90.0.
SJA Error ellipse: s-maj=8.3km s-min=13.3km az=-1.0.
ISC IX 10 03 09 38.4–1.1 21.20S–.04 68.8W–.10 129–11 25 1-77
GUC IX 10 03 09 38.4–.82 21.18S 68.83W 125–5 3.3L **¶604836704**
IDC IX 10 03 10 06.6–7.0 18.18S 67.32W 269–39 3.3,2.8
ISC Event type ke.
GUC Error ellipse: s-maj=1.8km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=151.9km s-min=52.1km az=22.0.
ISC IX 11 04 25 42.9–.35 20.65S–.03 68.92W–.05 109–3 4.4b 193 1-163
ISCJB IX 11 04 25 40.9–.29 20.65S–.02 68.79W–.05 103–2 4.5b **¶601703109**
NEIC IX 11 04 25 40.9–.56 20.65S 68.69W 87–5 4.8L,4.5b
GUC IX 11 04 25 41.9–.68 20.65S 69.00W 104–3 4.8L,4.5b
IDC IX 11 04 25 43.5–.61 20.54S 68.70W 110–5 4.4,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.5km az=167.3.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.6km az=84.0. Felt [IV] at Huara, [III] at Pica and [II] at Alto Hospicio and Iquique.
GUC Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=12.9km az=83.0.
GUC IX 11 12 06 48.2–.74 21.09S 68.84W 96–12 2.5L
¶604836712
GUC Error ellipse: s-maj=4.7km s-min=11.8km az=-1.0.
GUC IX 12 12 07 30.0–.59 21.99S 68.96W 100–3 3.6L
¶604836725
GUC Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.
GUC IX 12 14 49 46.7–.62 21.62S 68.63W 130–5 3.5L
¶604836727
GUC Error ellipse: s-maj=1.9km s-min=5.1km az=-1.0.
GUC IX 18 14 41 40.7–.70 21.20S 68.98W 124–5 3.6L
¶604836774
GUC Error ellipse: s-maj=2.6km s-min=8.4km az=-1.0.
ISC IX 18 15 29 39.6–2.2 22.22S–.08 67.45W–.05 171–22 25 1-4
SJA IX 18 15 29 36.8–1.3 22.17S 67.53W 205–21 3.0W,3.0L **¶604392803**
ISCJB IX 18 15 29 39.3–1.2 22.27S–.08 67.53W–.06 181–16 3.0W,3.0L
GUC IX 18 15 29 40.7–.34 22.16S 67.87W 200–4 3.7L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=17.0km s-min=9.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.8km az=32.1.
GUC Error ellipse: s-maj=1.9km s-min=5.0km az=-1.0.
ISC IX 19 15 14 36.6–1.0 21.14S–.04 68.7W–.10 124–9 28 1-145
ISCJB IX 19 15 14 35.8–.73 21.14S–.03 68.7W–.10 132–10 3.4b **¶601863833**
GUC IX 19 15 14 36.4–.71 21.14S 68.76W 124–4 3.5L
IDC IX 19 15 14 37.1–7.6 21.11S 68.34W 118–64 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=5.5km az=4.4.
GUC Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=74.8km s-min=51.9km az=130.0.
GUC IX 20 05 52 39.1–.66 21.07S 68.76W 111–6 3.5L
¶604836788
GUC Error ellipse: s-maj=2.0km s-min=7.0km az=-1.0.
ISC IX 20 07 54 42.4–.77 21.24S–.05 68.36W–.08 112–11 27 1-145
ISCJB IX 20 07 54 42.0–.49 21.23S–.04 68.5W–.10 131–12 3.6b **¶601863878**
GUC IX 20 07 54 43.7–.75 21.16S 68.76W 129–7 3.9L
IDC IX 20 07 54 47.0–2.1 21.02S 68.09W 138–20 3.8,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=6.0km az=9.8.
GUC Error ellipse: s-maj=2.5km s-min=9.8km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=17.6km az=126.0.
ISC IX 24 19 13 03.6–1.1 21.95S–.05 68.6W–.10 127–11 29 1-133
ISCJB IX 24 19 13 02.7–.72 21.96S–.04 68.6W–.10 135–10 3.3b **¶601864111**
GUC IX 24 19 13 02.7–.53 21.96S 68.59W 126–5 3.5L
IDC IX 24 19 13 03.6–3.9 22.02S 68.04W 116–47 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=5.6km az=7.8.

GUC Error ellipse: s-maj=1.6km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=83.5km s-min=24.4km az=104.0.
IDC IX 27 03 21 51.5–2.1 21.29S 67.28W 194–22 4.1,3.9b
¶601864257
IDC Error ellipse: s-maj=24.5km s-min=21.3km az=73.0.
GUC IX 30 03 29 36.6–.35 21.78S 67.55W 226–8 3.7L
¶604836880
GUC Error ellipse: s-maj=2.7km s-min=8.5km az=-1.0.
ISC X 02 02 39 52.2–1.2 21.34S–.04 68.79W–.09 89–10 26 1-77
GUC X 02 02 39 48.2–.63 21.33S 68.74W 112–5 3.2L **¶601996755**
ISCJB X 02 02 39 49.3–.93 21.35S–.03 68.83W–.10 117–10 3.5b
IDC X 02 02 39 51.6–8.9 21.31S 67.43W 103–64 3.5,3.4L
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.4km az=1.7.
IDC Error ellipse: s-maj=76.8km s-min=35.0km az=24.0.
ISC X 02 15 42 19.0–.97 20.53S–.04 68.8W–.10 119–11 27 1-145
ISCJB X 02 15 42 19.0–.68 20.55S–.03 69.0W–.20 133–9 3.2b **¶601996823**
GUC X 02 15 42 19.1–.54 20.54S 68.95W 121–4 3.8L
IDC X 02 15 42 20.4–2.9 20.62S 68.36W 121–29 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=5.2km az=178.6.
GUC Error ellipse: s-maj=1.2km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=55.3km s-min=28.6km az=110.0.
ISC X 04 09 17 10.7–.83 20.53S–.04 68.96W–.06 114–8 3.9b 34 1-145
ISCJB X 04 09 17 10.9–.49 20.58S–.03 69.05W–.07 120–7 3.8b **¶601997022**
GUC X 04 09 17 10.8–.57 20.60S 69.08W 116–4 3.7L
IDC X 04 09 17 14.7–2.6 20.41S 68.44W 139–24 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.8km az=168.4.
GUC Error ellipse: s-maj=1.3km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=45.4km s-min=22.9km az=110.0.
ISC X 06 16 35 11.0–.99 21.14S–.04 68.7W–.10 141–10 30 1-145
GUC X 06 16 35 10.9–.73 21.12S 68.76W 141–5 3.7L **¶601997299**
ISCJB X 06 16 35 11.1–.75 21.14S–.03 68.7W–.10 142–10 3.9b
IDC X 06 16 35 12.0–3.0 21.17S 68.24W 140–32 3.9,3.9b
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=6.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=5.1km az=3.9.
IDC Error ellipse: s-maj=68.2km s-min=22.8km az=102.0.
ISC X 07 22 06 14.3–.65 21.73S–.04 67.11W–.03 193–6 4.2b 122 2-145
SJA X 07 22 06 11.2–.44 21.53S 67.07W 222–3 4.5W,3.5L **¶601906664**
ISCJB X 07 22 06 13.5–.22 21.74S–.02 67.14W–.02 204–3 4.1b,3.5L
NEIC X 07 22 06 14.0–.48 21.73S 67.03W 188–6 4.3b,3.5L
IDC X 07 22 06 14.7–1.6 21.66S 67.02W 191–16 4.2,3.8b
GUC X 07 22 06 15.1–.61 21.71S 67.55W 225–8 4.2L,3.8b
SCB X 07 22 06 15.6–1.9 21.59S 67.08W 0–2 3.7L,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=3.8km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.5km az=149.3.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=96.0.
IDC Error ellipse: s-maj=20.5km s-min=12.4km az=84.0.
GUC Error ellipse: s-maj=2.7km s-min=8.1km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=0.0.
ISC X 08 01 50 26.0–.22 21.80S–.02 68.38W–.03 123–1 5.9b 2027 1-178
SJA X 08 01 50 21.9–.45 21.75S 68.75W 160–2 5.5L,5.4W **¶601794915**
MOS X 08 01 50 23.8–1.0 21.50S 68.23W 102 5.9b,4.8s
GUC X 08 01 50 25.8–.72 21.83S 68.54W 121–4 5.7W,5.7L
NEIC X 08 01 50 25.0–.00 21.87S 68.26W 120 5.7W,5.7L
ISCJB X 08 01 50 25.4–.12 21.53S–.02 68.17W–.02 124 5.9b,5.7L
NEIC X 08 01 50 26.2–.11 21.73S 68.17W 122 6.0b,5.8W
IDC X 08 01 50 27.4–.32 21.63S 68.19W 128–2 5.6,5.2
GCMT X 08 01 50 29.2–.10 21.83S–.01 68.46W–.01 131–0 5.8W,5.2
NEIC X 08 01 50 33.5–.00 22.25S 67.44W 99 5.8W,5.2
ISC Event type fe.
SJA Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.1km az=107.7.
GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.09 $M_{\theta\theta}$0.40 $M_{\phi\phi}$3.69 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.29 $M_{\phi r}$-2.91 Best double couple: NP1:ϕ_s357.00000° ,δ63.00000°,λ-88.00000°. NP2:ϕ_s173.00000°,δ27.00000°,λ-94.00000°. Principal axes: T 4.6800,Plg18.0000°,Azm85.0000°; N 0.3800,Plg1.0000°,Azm176.0000° ; P -5.0600,Plg71.0000°,Azm271.0000° $M_0$4.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=139.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=73.0. Felt [V] at Calama; [IV] at Alto Hospicio, Huara, Iquique, Mamina and Oficina Maria Elena; [III] at Pisagua, Pozo Almonte, Quillagua, Sierra Gorda and Tocopilla; [II] at Antofagasta, Baquedano, Camina, Copiapo, Diego de Almagro, Pica and Tierra Amarilla. Also felt at San Pedro de Atacama. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.38 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.51 $M_{\theta\theta}$0.26 $M_{\phi\phi}$3.25 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.06 $M_{\phi r}$-3.47 Best double couple: NP1:ϕ_s12.00000° ,δ69.00000°,λ-81.00000°. NP2:ϕ_s169.00000°,δ23.00000°,λ-112.00000°. Principal axes: T 4.7400,Plg23.0000°,Azm95.0000°; N 0.4300,Plg8.0000°,Azm189.0000° ; P -5.1800,Plg65.0000°,Azm297.0000° $M_0$5.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s157.00000°,δ27.00000°,λ-110.00000°. NP2: ϕ_s0.00000°,δ65.00000°,λ-80.00000°. Principal axes: T Plg19.0000°,Azm83.0000° ; N Plg0.0000°,Azm0.0000°; P Plg68.0000°,Azm290.0000°
IDC Error ellipse: s-maj=8.1km s-min=7.0km az=85.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c247; s131,c360; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.52±.04 $M_{\theta\theta}$-0.83±.05; $M_{\phi\phi}$5.35±.06; $M_{r\theta}$-0.87±.04; $M_{\theta\phi}$-0.75±.05; $M_{\phi r}$-2.36±.04; Best double couple: NP1:ϕ_s7.00000°,δ59.00000° ,λ-74.00000°. NP2:ϕ_s158.00000°,δ35.00000°,λ-114.00000°. Principal axes: T 5.9290,Plg12.0000°,Azm85.0000°; N -0.6440,Plg14.0000°,Azm178.0000° ; P -5.2880,Plg71.0000°,Azm315.0000° $M_0$5.60900×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.80 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$6.45 $M_{r\theta}$0.20 $M_{\theta\phi}$0.04 $M_{\phi r}$-2.15 Best double couple: NP1:ϕ_s183.00000° ,δ35.00000°,λ-86.00000°. NP2:ϕ_s358.00000°,δ55.00000°,λ-93.00000°. Principal axes: T 6.8100,Plg10.0000°,Azm90.0000°; N -0.6400,Plg2.0000°,Azm360.0000° ; P -6.1700,Plg80.0000°,Azm258.0000° $M_0$6.50000×10^{17}
ISC X 08 02 54 13.8–.61 21.81S–.04 68.38W–.06 117–6 4.2b 96 1-164
ISCJB X 08 02 54 12.0–.39 21.79S–.03 68.21W–.05 109–3 4.2b **¶601795295**
IDC X 08 02 54 13.6–2.4 21.69S 68.21W 110–20 4.3,4.0
NEIC X 08 02 54 13.0–.00 21.80S 68.57W 131 4.1L,4.1b
GUC X 08 02 54 13.6–.72 21.80S 68.57W 132–5 4.1L,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.1km az=178.2.
IDC Error ellipse: s-maj=17.8km s-min=12.6km az=80.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.
ISC X 08 05 50 20.4–.70 21.84S–.04 68.24W–.06 104–8 4.4b 56 1-77
ISCJB X 08 05 50 19.6–.48 21.87S–.03 68.29W–.07 115–6 4.4b **¶601997461**
GUC X 08 05 50 21.4–.66 21.84S 68.59W 130–6 4.0L
NEIC X 08 05 50 21.0–.00 21.84S 68.59W 130 4.3b,4.0L
IDC X 08 05 50 22.4–2.6 21.86S 68.08W 114–25 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=177.7.
GUC Error ellipse: s-maj=2.2km s-min=7.2km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=36.0km s-min=20.4km az=113.0.
GUC X 08 07 49 03.2–.69 21.84S 68.50W 122–5 3.6L
¶604836927
GUC Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0.
ISC X 14 07 46 49.1–.69 21.79S–.04 68.44W–.09 131–7 4.3b 69 1-146
ISCJB X 14 07 46 48.0–.44 21.79S–.03 68.46W–.09 139–6 4.5b **¶601834051**
IDC X 14 07 46 48.7–2.9 21.76S 68.05W 116–29 4.3,4.0b
GUC X 14 07 46 49.9–.70 21.80S 68.56W 126–5 4.4L,4.0b
NEIC X 14 07 46 49.0–.00 21.80S 68.56W 126 4.4L,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=4.7km az=4.3.
IDC Error ellipse: s-maj=42.9km s-min=17.4km az=104.0.
GUC Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0.
NEIC Event type se. After GUC.
ISC X 14 22 31 00.6–.70 21.10S–.04 68.94W–.07 115–6 4.0b 36 1-145
ISCJB X 14 22 30 59.8–.39 21.11S–.04 69.00W–.06 123–4 3.9b **¶601998266**
GUC X 14 22 31 00.9–1.0 21.11S 69.01W 109–6 4.2L
IDC X 14 22 31 02.2–2.7 21.09S 68.76W 125–24 4.0,3.8
SJA X 14 22 31 22.5–.29 21.95S 67.22W 132–14 2.9L,2.6W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.7km az=169.1.
GUC Error ellipse: s-maj=2.4km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=24.5km s-min=19.4km az=73.0.
SJA Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0.
ISC X 18 02 28 03.0–.75 21.74S–.04 68.74W–.09 117–8 4.0b 30 0-146
ISCJB X 18 02 28 02.4–.47 21.73S–.04 68.74W–.09 125–7 3.8b **¶601998736**
GUC X 18 02 28 03.6–.65 21.71S 68.86W 118–4 4.3L
IDC X 18 02 28 04.5–2.7 21.71S 68.51W 121–24 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=6.0km az=4.4.
GUC Error ellipse: s-maj=1.9km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=25.7km s-min=19.9km az=69.0.
ISC X 21 04 37 04.0–.77 21.23S–.04 67.88W–.05 160–8 4.2b 56 2-145
ISCJB X 21 04 37 03.3–.38 21.24S–.03 67.89W–.04 168–5 3.7b **¶601999123**
SJA X 21 04 37 03.6–.80 21.24S 67.84W 158–8 3.6W,3.4L
GUC X 21 04 37 04.5–.63 21.21S 68.16W 176–9 4.0L,3.4L
IDC X 21 04 37 05.3–2.2 21.20S 67.63W 172–20 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.0km az=151.4.
SJA Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=10.0km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=17.4km az=46.0.
ISC X 21 13 31 55.9–.77 21.83S–.04 68.46W–.08 125–8 4.5b 56 1-146
ISCJB X 21 13 31 54.9–.43 21.83S–.03 68.54W–.10 139–7 4.5b **¶601866979**
GUC X 21 13 31 56.6–.71 21.83S 68.53W 120–4 3.6L
NEIC X 21 13 31 56.0–.00 21.82S 68.55W 122 4.3b
IDC X 21 13 32 00.1–6.4 21.58S 67.88W 136–49 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=5.3km az=6.5.
GUC Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=54.6km s-min=38.8km az=28.0.
ISC X 21 13 44 39.7–.63 21.76S–.03 68.43W–.05 126–5 4.2b 77 1-146
ISCJB X 21 13 44 39.1–.35 21.76S–.03 68.52W–.05 136–5 3.7b **¶601999172**
GUC X 21 13 44 39.6–.62 21.80S 68.52W 126–4 3.5L
SJA X 21 13 44 39.0–.87 21.80S 68.48W 132–5 2.8W,2.8L
IDC X 21 13 44 40.5–2.3 21.68S 68.10W 122–20 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.4km az=172.0.
GUC Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=14.1km az=71.0.
ISC X 22 15 55 29.3–.67 20.45S–.03 68.84W–.08 123–8 4.2b 62 0-145
ISCJB X 22 15 55 28.7–.34 20.44S–.02 68.86W–.08 131–6 4.2b **¶601874193**
NEIC X 22 15 55 29.7–.54 20.43S 68.74W 118–9 4.0b
GUC X 22 15 55 30.4–.67 20.44S 68.91W 108–3 4.3L
IDC X 22 15 55 30.7–2.7 20.43S 68.64W 127–24 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=3.8km az=2.6.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=7.9km az=98.0.
GUC Error ellipse: s-maj=1.7km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=39.2km s-min=21.3km az=94.0.
ISC X 22 16 42 29.4–.80 21.11S–.04 68.9W–.10 119–8 4.1b 35 1-145
ISCJB X 22 16 42 28.7–.48 21.13S–.03 69.0W–.10 129–6 4.0b **¶601999292**
GUC X 22 16 42 29.1–.69 21.11S 68.97W 116–3 4.0L
IDC X 22 16 42 30.4–3.0 21.11S 68.61W 116–29 4.0,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=4.7km az=4.8.
GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=43.6km s-min=20.1km az=104.0.
ISC X 27 07 11 42.4–1.2 20.96S–.07 68.3W–.30 153–23 18 1-77
ISCJB X 27 07 11 42.4–1.0 20.95S–.06 68.4W–.30 153–22 3.5b **¶601999811**
GUC X 27 07 11 42.8–.59 21.01S 68.36W 146–11 3.6L
IDC X 27 07 11 46.8–2.1 20.42S 69.18W 222–37 3.6,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.4km s-min=7.8km az=9.3.
GUC Error ellipse: s-maj=3.1km s-min=12.5km az=-1.0.
IDC Error ellipse: s-maj=177.5km s-min=17.5km az=105.0.
ISC X 31 10 12 05.0–1.1 20.54S–.05 69.0W–.20 126–11 19 1-145
IDC X 31 10 11 44.3–2.3 21.87S 69.28W 0 3.7,3.5 **¶602000606**
ISCJB X 31 10 12 04.3–.79 20.53S–.04 69.0W–.20 134–9 3.1b,3.5
GUC X 31 10 12 05.0–.66 20.54S 69.03W 122–6 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=67.5km s-min=44.1km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=26.3km s-min=6.9km az=0.4.
GUC Error ellipse: s-maj=1.6km s-min=8.8km az=-1.0.
ISC XI 01 15 39 48.0–.83 21.12S–.04 68.84W–.09 125–8 34 1-145
ISCJB XI 01 15 39 47.2–.49 21.12S–.03 68.82W–.10 131–7 3.8b **¶602388681**
GUC XI 01 15 39 47.8–.65 21.12S 68.85W 120–3 3.8L
IDC XI 01 15 39 50.1–2.7 21.04S 68.49W 133–29 4.0,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=4.8km az=3.2.
GUC Error ellipse: s-maj=1.2km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=47.9km s-min=21.8km az=103.0.
ISC XI 02 21 00 16.4–.72 20.86S–.05 68.86W–.09 106–6 3.5b 31 1-153
ISCJB XI 02 21 00 15.3–.60 20.85S–.04 68.8W–.10 113–7 3.5b **¶602388740**
GUC XI 02 21 00 15.9–.45 20.85S 68.89W 104–3 4.0L
IDC XI 02 21 00 16.7–7.1 20.88S 68.67W 107–51 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=6.9km az=9.4.
GUC Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=66.8km s-min=23.7km az=18.0.
ISC XI 05 08 04 09.7–.85 21.87S–.05 68.43W–.08 112–9 3.6b 30 1-146
ISCJB XI 05 08 04 09.2–.60 21.90S–.05 68.49W–.09 120–7 3.5b **¶602388847**
GUC XI 05 08 04 10.3–.46 21.89S 68.62W 121–6 3.8L
IDC XI 05 08 04 11.1–2.7 21.91S 68.42W 122–24 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.8km az=4.1.
GUC Error ellipse: s-maj=2.0km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=17.3km az=51.0.
ISC XI 05 11 23 31.0–.85 21.27S–.05 67.65W–.09 177–9 3.3b 45 2-145
ISCJB XI 05 11 23 30.6–.59 21.26S–.04 67.67W–.08 180–7 3.3b **¶602388861**
SJA XI 05 11 23 30.9–.56 21.26S 67.91W 211–11 3.2
GUC XI 05 11 23 31.8–.52 21.32S 68.04W 204–6 4.0L
IDC XI 05 11 23 32.7–2.1 21.19S 67.38W 186–20 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.8km az=3.0.
SJA Error ellipse: s-maj=4.0km s-min=12.0km az=-1.0.
GUC Error ellipse: s-maj=3.4km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=16.2km az=46.0.
GUC XI 05 11 28 38.6–.46 21.96S 67.60W 214–13 3.5L
¶604837218
GUC Error ellipse: s-maj=3.8km s-min=12.2km az=-1.0.
GUC XI 07 15 36 34.1–.56 20.50S 68.93W 107–3 3.5L
¶604837237
GUC Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
ISC XI 10 00 24 29.7–1.0 21.19S–.07 67.37W–.10 179–10 28 2-145
ISCJB XI 10 00 24 28.8–.79 21.24S–.06 67.4W–.10 187–11 3.6b **¶602389122**
IDC XI 10 00 24 28.3–1.0 21.42S 66.98W 166–12 3.8,3.5
GUC XI 10 00 24 30.6–.70 21.22S 67.80W 210–9 3.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=9.4km az=5.9.

IDC Error ellipse: s-maj=24.7km s-min=10.9km az=120.0.
GUC Error ellipse: s-maj=3.0km s-min=11.0km az=-1.0.
GUC XI 13 00 47 04.4–.61 20.06S 68.96W 110–4 3.5L
¶604837306
GUC Error ellipse: s-maj=2.5km s-min=5.3km az=-1.0.
GUC XI 13 21 29 45.1–.55 21.60S 67.70W 222–9 3.5L
¶604837311
GUC Error ellipse: s-maj=3.5km s-min=10.0km az=-1.0.
GUC XI 15 21 56 32.0–.67 21.21S 68.75W 146–4 3.5L
¶604837330
GUC Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0.
ISC XI 18 02 34 50.2–.76 21.59S–.04 68.38W–.06 103–7 4.1b 82 1-153
ISCJB XI 18 02 34 49.5–.47 21.58S–.03 68.39W–.06 108–4 4.0b **¶601909937**
GUC XI 18 02 34 51.3–.61 21.59S 68.69W 120–4 3.9L
NEIC XI 18 02 34 51.0–.00 21.60S 68.66W 118 4.1b,3.9L
IDC XI 18 02 34 51.0–.88 21.58S 68.32W 105–10 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.7km az=179.3.
GUC Error ellipse: s-maj=1.6km s-min=4.8km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=23.8km s-min=15.1km az=112.0.
ISC XI 18 11 29 08.5–.75 21.83S–.04 68.42W–.06 122–7 4.3b 43 1-146
ISCJB XI 18 11 29 07.8–.40 21.85S–.04 68.52W–.06 135–5 4.2b **¶602389607**
IDC XI 18 11 29 08.0–.80 21.82S 68.16W 106–10 4.2,4.0b
GUC XI 18 11 29 09.2–.66 21.84S 68.58W 123–4 3.8L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.9km az=171.1.
IDC Error ellipse: s-maj=27.3km s-min=13.7km az=118.0.
GUC Error ellipse: s-maj=1.6km s-min=3.7km az=-1.0.
ISC XI 19 17 55 43.8–.88 21.99S–.04 68.67W–.08 112–7 36 1-146
ISCJB XI 19 17 55 43.3–.63 22.01S–.03 68.75W–.09 124–6 3.9b **¶602389686**
GUC XI 19 17 55 43.6–.73 22.00S 68.69W 109–4 3.7L
IDC XI 19 17 55 43.4–.84 22.08S 68.35W 98–12 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.4km az=2.5.
GUC Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=48.4km s-min=19.7km az=114.0.
ISC XI 25 16 56 44.4–.80 22.24S–.05 67.41W–.05 185–8 3.8b 49 1-92
SJA XI 25 16 56 41.6–.47 22.14S 67.38W 208–5 3.5L,3.3W **¶602389983**
IDC XI 25 16 56 42.7–1.3 22.29S 67.13W 169–14 4.0,3.7
ISCJB XI 25 16 56 43.7–.38 22.25S–.04 67.43W–.04 190–5 3.6b,3.7
GUC XI 25 16 56 45.1–.63 22.19S 67.77W 207–7 4.2L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=4.5km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=18.7km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=137.9.
GUC Error ellipse: s-maj=2.5km s-min=7.8km az=-1.0.
ISC XI 26 17 57 18.8–.95 21.63S–.04 68.52W–.09 131–8 45 1-146
SJA XI 26 17 57 17.6–.43 21.65S 68.56W 142–7 3.0W,2.4L **¶602389999**
ISCJB XI 26 17 57 18.5–.65 21.63S–.03 68.58W–.10 137–7 3.8b,2.4L
GUC XI 26 17 57 18.1–.63 21.62S 68.57W 134–5 3.5L,2.4L
IDC XI 26 17 57 18.5–.84 21.71S 68.20W 122–11 4.1,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=6.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=5.1km az=2.3.
GUC Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=33.6km s-min=13.1km az=104.0.
ISC XI 28 16 01 54.5–1.0 21.31S–.05 68.4W–.20 149–13 27 1-145
IDC XI 28 16 01 35.9–5.2 22.50S 67.88W 0 4.1b,4.0 **¶602390126**
ISCJB XI 28 16 01 53.8–.68 21.30S–.04 68.5W–.20 162–11 3.7b,4.0
GUC XI 28 16 01 54.1–.61 21.29S 68.44W 147–6 3.3L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=142.1km s-min=50.8km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=6.3km az=8.3.
GUC Error ellipse: s-maj=1.8km s-min=7.1km az=-1.0.
ISC XI 28 19 12 27.7–.75 21.79S–.04 68.48W–.05 124–6 4.0b 63 1-146
ISCJB XI 28 19 12 26.9–.35 21.81S–.03 68.52W–.05 133–4 3.7b **¶602390131**
SJA XI 28 19 12 26.9–.70 21.83S 68.50W 126–5 3.3L,3.2W
IDC XI 28 19 12 26.5–.81 21.80S 68.16W 110–9 4.0,3.8
GUC XI 28 19 12 27.4–.73 21.80S 68.60W 130–6 3.7L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=167.8.
SJA Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=19.4km s-min=15.9km az=132.0.
GUC Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
GUC XI 29 17 01 18.2–.47 20.75S 69.00W 100–2 3.7L
¶604837521
GUC Error ellipse: s-maj=0.9km s-min=3.0km az=-1.0.
ISC XII 04 03 34 53.0–1.5 21.19S–.06 67.6W–.20 193–12 3.2b 22 2-145
IDC XII 04 03 34 53.0–8.5 21.11S 67.18W 192–57 3.6,3.4 **¶602390427**
ISCJB XII 04 03 34 54.1–1.1 21.18S–.05 67.8W–.20 207–9 3.1b,3.4
GUC XII 04 03 34 54.0–.61 21.24S 67.58W 172–18 3.2L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=94.8km s-min=29.4km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=24.2km s-min=7.5km az=8.9.
GUC Error ellipse: s-maj=3.4km s-min=15.3km az=-1.0.
ISC XII 05 06 32 54.5–.59 21.96S–.03 68.36W–.05 106–5 4.3b 152 1-169
IDC XII 05 06 32 53.7–.77 21.87S 68.30W 98–8 4.3,4.1 **¶601996072**
SJA XII 05 06 32 53.6–.74 22.00S 68.60W 142–5 4.3W,3.4L
ISCJB XII 05 06 32 55.0–.30 22.03S–.03 68.49W–.04 116–2 4.3b,3.4L
NEIC XII 05 06 32 55.0–.00 21.98S 68.62W 119 4.3L,4.3b
GUC XII 05 06 32 55.3–.44 21.98S 68.62W 119–3 4.3L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=14.6km az=107.0.
SJA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=163.9.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
ISC XII 06 20 42 16.1–.36 21.98S–.03 68.54W–.05 117–3 4.6b 198 1-169
ISCJB XII 06 20 42 14.3–.33 22.00S–.03 68.43W–.05 112–3 4.5b **¶602005572**
SJA XII 06 20 42 15.2–.72 22.05S 68.68W 127–5 4.2L,3.6W
NEIC XII 06 20 42 16.0–.00 21.97S 68.68W 111 4.7L,4.6b
GUC XII 06 20 42 16.3–.62 21.97S 68.68W 111–4 4.7L,4.6b
IDC XII 06 20 42 16.5–.53 21.94S 68.37W 117–5 4.5,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=171.4.
SJA Error ellipse: s-maj=2.3km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt [IV] at Calama and [III] at Oficina Maria Elena and Tocopilla. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=12.8km az=94.0.
ISC XII 07 22 46 30.6–.70 20.16S–.05 68.73W–.09 126–8 4.0b 23 0-134
ISCJB XII 07 22 46 29.3–.48 20.10S–.05 68.64W–.09 127–7 3.9b **¶602390753**
GUC XII 07 22 46 31.2–.46 20.18S 68.84W 123–3 4.0L
IDC XII 07 22 46 31.3–1.2 20.23S 68.48W 129–13 4.0s,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.7km az=161.5.
GUC Error ellipse: s-maj=2.6km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=12.7km az=109.0.
ISC XII 08 04 27 24.8–1.2 21.46S–.04 68.6W–.10 149–12 29 1-77
ISCJB XII 08 04 27 24.6–.61 21.46S–.03 68.6W–.10 149–8 3.0b **¶602390781**
GUC XII 08 04 27 25.1–.66 21.47S 68.56W 139–5 3.6L
IDC XII 08 04 27 32.6–8.5 20.96S 68.13W 191–59 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=5.4km az=5.1.
GUC Error ellipse: s-maj=1.6km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=91.9km s-min=24.7km az=23.0.
ISC XII 08 19 49 37.6–1.3 21.19S–.05 67.8W–.20 189–12 30 1-145
ISCJB XII 08 19 49 37.7–.88 21.19S–.04 68.0W–.10 201–11 3.4b **¶602390837**
GUC XII 08 19 49 38.2–.51 21.18S 68.03W 210–4 3.3L
IDC XII 08 19 49 42.6–8.2 20.68S 67.07W 206–56 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=6.2km az=4.7.
GUC Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=99.0km s-min=43.4km az=26.0.
ISC XII 08 20 24 14.7–.89 21.10S–.04 68.69W–.10 147–9 34 1-145
ISCJB XII 08 20 24 13.9–.54 21.11S–.03 68.70W–.09 152–7 3.8b **¶602390842**
GUC XII 08 20 24 14.3–.62 21.12S 68.62W 150–4 3.8L
IDC XII 08 20 24 14.4–.95 21.11S 68.60W 138–12 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=4.7km az=1.7.
GUC Error ellipse: s-maj=1.4km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=47.1km s-min=10.6km az=96.0.
ISC XII 09 01 26 52.0–1.1 21.91S–.05 68.9W–.10 121–9 25 0-146
ISCJB XII 09 01 26 51.4–.86 21.91S–.04 68.9W–.10 127–8 3.4b **¶604837630**
GUC XII 09 01 26 52.0–.61 21.91S 68.87W 113–4 3.9L
IDC XII 09 01 27 18.4–7.5 19.51S 67.68W 277–63 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=6.7km az=9.0.
GUC Error ellipse: s-maj=1.8km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=112.6km s-min=85.5km az=173.0.
GUC XII 11 20 25 52.4–.58 21.06S 68.71W 134–3 3.5L
¶604837665
GUC Error ellipse: s-maj=1.1km s-min=4.4km az=-1.0.
GUC XII 12 00 12 13.9–.64 21.58S 68.57W 142–4 3.5L
¶604837667
GUC Error ellipse: s-maj=1.6km s-min=5.2km az=-1.0.
ISC XII 13 15 16 11.0–.57 21.14S–.04 68.65W–.07 134–5 4.2b 78 1-168
ISCJB XII 13 15 16 10.3–.34 21.11S–.02 68.74W–.08 147–5 4.4b **¶602043396**
GUC XII 13 15 16 11.5–.49 21.04S 68.86W 138–2 4.1L
NEIC XII 13 15 16 11.0–.58 21.15S 68.61W 128–7 4.3b,4.1L
IDC XII 13 15 16 11.6–1.1 21.07S 68.41W 124–11 4.2,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.0km az=2.3.
GUC Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.1km az=91.0.
IDC Error ellipse: s-maj=24.6km s-min=13.6km az=114.0.
ISC XII 15 18 55 14.5–.56 21.15S–.04 68.80W–.06 120–5 4.2b 72 1-151
ISCJB XII 15 18 55 13.7–.34 21.11S–.03 68.86W–.07 125–4 4.1b **¶602342562**
GUC XII 15 18 55 14.9–.60 21.08S 68.96W 117–4 4.2L
NEIC XII 15 18 55 14.0–.00 21.07S 68.96W 117 4.4b,4.2L
IDC XII 15 18 55 14.8–1.7 20.96S 68.67W 107–17 4.2,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.2km az=2.5.
GUC Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
NEIC Event type fe. Felt [II] at Pica. After GUC.
IDC Error ellipse: s-maj=21.8km s-min=18.9km az=164.0.
ISC XII 15 20 37 24.0–.70 20.50S–.04 68.98W–.08 106–7 3.7b 34 0-145
ISCJB XII 15 20 37 23.4–.48 20.55S–.03 69.06W–.09 119–6 3.8b **¶602391419**
IDC XII 15 20 37 23.7–2.4 20.45S 68.82W 90–23 3.9,3.6
GUC XII 15 20 37 25.3–1.1 20.56S 69.18W 105–7 3.8L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.5km az=0.1.
IDC Error ellipse: s-maj=34.2km s-min=17.7km az=119.0.
GUC Error ellipse: s-maj=2.9km s-min=8.2km az=-1.0.
ISC XII 16 23 58 36.2–.95 21.16S–.04 68.7W–.10 137–9 29 1-91
GUC XII 16 23 58 35.4–.78 21.15S 68.72W 140–5 3.4L **¶602391501**
ISCJB XII 16 23 58 36.1–.66 21.16S–.03 68.7W–.10 141–7 3.4b
IDC XII 16 23 58 37.4–8.8 21.16S 68.34W 139–60 3.7,3.4
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=6.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=5.3km az=6.1.
IDC Error ellipse: s-maj=84.3km s-min=32.3km az=32.0.
ISC XII 18 23 17 19.0–.99 21.15S–.04 68.69W–.09 121–9 35 1-145
ISCJB XII 18 23 17 19.1–.68 21.19S–.03 68.85W–.10 131–7 3.1b **¶602391631**
GUC XII 18 23 17 19.0–.62 21.18S 68.85W 125–3 3.5L
IDC XII 18 23 17 20.3–1.2 21.35S 68.13W 109–18 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=4.6km az=178.5.
GUC Error ellipse: s-maj=1.1km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=49.4km s-min=18.2km az=114.0.
ISC XII 19 14 52 32.0–1.0 21.84S–.04 68.79W–.09 118–8 32 0-92
GUC XII 19 14 52 30.9–.57 21.84S 68.77W 122–3 3.4L **¶602391672**
ISCJB XII 19 14 52 31.3–.65 21.83S–.03 68.81W–.09 126–6 3.4b
IDC XII 19 14 52 31.5–1.1 21.93S 68.88W 117–14 3.4,3.2
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.3km az=2.5.
IDC Error ellipse: s-maj=53.3km s-min=32.5km az=82.0.
ISC XII 22 00 53 00.9–.96 22.21S–.04 67.45W–.05 183–9 55 2-145
SJA XII 22 00 52 59.1–1.1 22.23S 67.41W 199–12 3.1L,3.0W **¶602391838**
ISCJB XII 22 00 53 00.2–.58 22.22S–.04 67.51W–.06 191–10 3.4b,3.0W
GUC XII 22 00 53 01.5–.47 22.16S 67.91W 216–6 4.0L,3.0W
IDC XII 22 00 53 05.5–8.9 21.83S 67.05W 204–76 4.0,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=5.8km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=161.1.
GUC Error ellipse: s-maj=2.9km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=85.7km s-min=64.9km az=168.0.
GUC XII 22 05 09 47.6–.75 22.28S 67.66W 206–6 3.6L
¶604837765
GUC Error ellipse: s-maj=3.2km s-min=7.0km az=-1.0.
ISC XII 23 23 19 08.1–.93 21.16S–.03 68.99W–.08 120–9 33 0-77
ISCJB XII 23 23 19 07.5–.57 21.15S–.03 68.96W–.08 127–7 3.1b **¶602391952**
GUC XII 23 23 19 07.9–.68 21.13S 68.98W 118–3 3.4L
IDC XII 23 23 19 10.3–1.7 21.31S 68.68W 127–25 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=4.7km az=2.0.
GUC Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=50.8km s-min=25.7km az=87.0.
GUC XII 24 15 35 38.7–.59 21.26S 68.90W 121–3 3.6L
¶604837779
GUC Error ellipse: s-maj=1.0km s-min=3.3km az=-1.0.
ISC XII 24 23 55 43.9–.92 21.99S–.05 68.46W–.08 117–10 29 1-146
ISCJB XII 24 23 55 43.7–.67 22.03S–.04 68.56W–.09 129–8 3.6b **¶602392032**
GUC XII 24 23 55 44.7–.67 22.00S 68.67W 124–5 3.7L
IDC XII 24 23 55 44.5–.83 22.18S 68.11W 101–16 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.4km az=3.4.
GUC Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=45.6km s-min=23.9km az=130.0.
ISC XII 25 19 59 23.6–.78 21.15S–.03 68.63W–.08 137–7 46 1-145
ISCJB XII 25 19 59 23.0–.55 21.14S–.03 68.69W–.09 144–6 3.7b **¶602380600**
GUC XII 25 19 59 23.7–.76 21.13S 68.70W 135–4 4.0L
IDC XII 25 19 59 23.7–1.1 21.21S 68.24W 125–11 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=4.4km az=0.7.
GUC Error ellipse: s-maj=1.3km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=15.5km az=121.0.
ISC XII 26 09 46 42.4–.54 21.12S–.04 68.50W–.06 122–5 4.5b 144 1-168
ISCJB XII 26 09 46 41.2–.32 21.11S–.02 68.53W–.05 123–3 4.5b **¶602058851**
IDC XII 26 09 46 41.4–.96 20.97S 68.43W 108–10 4.6,4.3
NEIC XII 26 09 46 42.0–.33 21.10S 68.48W 115–3 4.5b,4.4L
GUC XII 26 09 46 42.1–.69 21.09S 68.83W 132–3 4.4L,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.9km az=177.3.
IDC Error ellipse: s-maj=14.8km s-min=10.3km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=82.0. Felt [II] at Alto Hospicio and Iquique.
GUC Error ellipse: s-maj=1.2km s-min=4.7km az=-1.0.
ISC XII 30 23 55 05.2–.79 20.31S–.03 68.89W–.08 112–7 3.5b 37 0-90
ISCJB XII 30 23 55 05.4–.55 20.33S–.03 68.98W–.09 121–5 3.5b **¶602380916**
GUC XII 30 23 55 05.7–.81 20.31S 68.94W 107–3 3.4L

IDC XII 30 23 55 06.7–1.4 20.38S 68.58W 120–16 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=4.1km az=178.7.
GUC Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=32.0km s-min=15.4km az=107.0.
ISC XII 31 18 41 28.5–2.0 21.06S–.06 67.55W–.06 203–20 33 2-8
ISCJB XII 31 18 41 29.6–.89 21.08S–.04 67.61W–.06 192–13 **¶604741452**
SJA XII 31 18 41 29.2–.32 21.13S 67.30W 236–6 2.9L,2.8W
GUC XII 31 18 41 30.9–.56 21.03S 67.92W 203–8 3.3L,2.8W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.8km az=153.1.
SJA Error ellipse: s-maj=4.9km s-min=5.9km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=8.8km az=-1.0.

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IDC VII 01 07 11 11.6–6.4 20.61S 67.21W 209–45 3.6,3.3
¶601663348
IDC Error ellipse: s-maj=72.2km s-min=22.9km az=15.0.
GUC VII 16 06 06 19.5–.64 19.46S 67.96W 269–7 4.0L
¶604836342
GUC Error ellipse: s-maj=3.2km s-min=10.4km az=-1.0.
ISC VII 22 07 40 14.9–.75 21.36S–.06 66.76W–.04 209–7 3.9b 55 3-153
ISCJB VII 22 07 40 13.8–.44 21.45S–.05 66.77W–.03 214–4 3.6b **¶601664953**
IDC VII 22 07 40 14.9–1.8 21.34S 66.55W 212–15 3.9,3.6
GUC VII 22 07 40 16.3–.59 21.32S 67.53W 266–10 4.3L,3.6
SCB VII 22 07 40 17.8–2.2 21.26S 66.78W 0–2 3.6L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=164.9.
IDC Error ellipse: s-maj=17.6km s-min=15.5km az=84.0.
GUC Error ellipse: s-maj=3.9km s-min=12.5km az=-1.0.
SCB Event type se. Error ellipse: s-maj=8.2km s-min=3.8km az=0.0.
ISC VIII 09 07 53 16.6–.79 21.85S–.08 63.90W–.10 550 4.1b 40 2-143
SJA VIII 09 07 53 08.1–.60 22.02S 63.93W 610–4 4.3L,3.5W **¶601533188**
ISCJB VIII 09 07 53 16.0–.41 21.90S–.05 63.89W–.06 550 4.1b,3.5W
IDC VIII 09 07 53 17.0–1.3 21.87S 63.72W 543–14 4.1,3.6b
ISC Event type ke.
SJA Error ellipse: s-maj=6.8km s-min=8.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.7km az=24.3.
IDC Error ellipse: s-maj=27.0km s-min=17.7km az=100.0.
ISC VIII 10 22 48 04.9–.61 21.44S–.04 66.72W–.05 219–6 4.3b 142 2-163
NEIC VIII 10 22 48 04.2–.47 21.49S 66.53W 208–4 4.4b **¶601542027**
ISCJB VIII 10 22 48 04.1–.30 21.51S–.03 66.67W–.04 220–3 4.2b
IDC VIII 10 22 48 04.9–1.8 21.38S 66.42W 218–16 4.5,4.0
SJA VIII 10 22 48 04.9–.42 21.49S 66.84W 243–17 5.1L,4.0W
GUC VIII 10 22 48 05.5–.42 21.48S 67.24W 261–9 4.8L,4.0W
SCB VIII 10 22 48 07.4–2.7 21.34S 66.71W 0–8 4.4L,4.0W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.2km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=176.7.
IDC Error ellipse: s-maj=13.7km s-min=10.5km az=78.0.
SJA Error ellipse: s-maj=7.9km s-min=6.6km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=10.6km az=-1.0.
SCB Event type se. Error ellipse: s-maj=19.3km s-min=9.4km az=0.0.
SJA VIII 22 10 05 29.3–1.0 20.99S 67.44W 200–12 3.5W,3.4L
¶604392382
SJA Error ellipse: s-maj=7.1km s-min=4.6km az=-1.0.
ISC IX 08 04 41 14.9–.79 21.45S–.06 66.67W–.07 200 3.1b 25 1-144
SJA IX 08 04 41 14.6–.87 21.55S 66.69W 228–10 3.5W,3.1L **¶601863146**
ISCJB IX 08 04 41 16.0–.55 21.48S–.05 66.71W–.06 200 3.1b,3.1L
IDC IX 08 04 41 20.6–2.7 20.91S 66.19W 249–19 3.5,3.2
ISC Event type ke.
SJA Error ellipse: s-maj=8.9km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=148.1.
IDC Error ellipse: s-maj=50.3km s-min=18.0km az=41.0.
GUC X 09 21 32 10.5–.37 21.87S 66.59W 314–18 4.1L
¶604836937
GUC Error ellipse: s-maj=4.1km s-min=20.7km az=-1.0.
ISC X 11 22 58 58.2–.33 19.52S–.05 64.11W–.06 600 4.4b 176 1-167
SCB X 11 22 58 43.0–1.8 19.56S 64.18W 700–38 4.6L **¶601828933**
ISCJB X 11 22 58 57.4–.21 19.45S–.03 64.06W–.04 600 4.3b
NEIC X 11 22 58 57.8–.43 19.56S 64.06W 602–6 4.6b
IDC X 11 22 58 57.7–.76 19.53S 63.99W 589–8 4.5,3.7
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=13.4km s-min=11.0km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=36.1.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.6km az=88.0.
IDC Error ellipse: s-maj=12.2km s-min=10.3km az=57.0.
ISC X 18 11 23 43.1–.65 21.51S–.04 66.92W–.03 220–6 4.2b 122 1-145
NEIC X 18 11 23 42.0–.51 21.56S 66.69W 206–4 4.3b **¶601838475**
ISCJB X 18 11 23 42.9–.23 21.53S–.03 66.92W–.03 223–2 4.0b
SJA X 18 11 23 43.9–1.0 21.46S 66.91W 215–8 4.1L,4.0W
SCB X 18 11 23 44.0–1.9 21.35S 66.94W 196–14 3.8L,4.0W
GUC X 18 11 23 44.0–.59 21.48S 67.53W 265–13 4.4L,4.0W
IDC X 18 11 23 46.2–1.5 21.20S 66.73W 235–14 4.0,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=171.3.
SJA Error ellipse: s-maj=6.4km s-min=3.3km az=-1.0.
SCB Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=0.0.
GUC Error ellipse: s-maj=4.5km s-min=15.3km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=12.7km az=68.0.
ISC X 20 21 48 51.3–.50 21.54S–.03 66.77W–.03 216–4 4.6b 291 1-168
ISCJB X 20 21 48 50.2–.17 21.57S–.02 66.76W–.02 220–1 4.5b **¶601839797**
NEIC X 20 21 48 50.4–.46 21.51S 66.67W 205–4 4.6b
SJA X 20 21 48 50.5–1.1 21.60S 66.79W 233–5 4.6L,4.5W
IDC X 20 21 48 50.8–1.4 21.43S 66.52W 208–12 4.8,4.3
GUC X 20 21 48 51.7–.46 21.47S 67.30W 259–9 4.9L,4.3
SCB X 20 21 48 52.8–1.7 21.43S 66.82W 0–2 4.6L,4.3
BJI X 20 21 48 53.0 21.50S 66.70W 215 5.0b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=164.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=81.0.
SJA Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=12.1km s-min=7.5km az=79.0.
GUC Error ellipse: s-maj=3.7km s-min=11.3km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=0.0.
ISC X 23 22 01 53.2–.80 21.56S–.05 66.98W–.05 219–7 4.1b 56 1-153
ISCJB X 23 22 01 53.0–.49 21.58S–.04 67.02W–.05 223–6 3.9b **¶601999419**
SJA X 23 22 01 52.8–.78 21.57S 66.92W 220–6 3.5W,3.1L
IDC X 23 22 01 52.5–2.7 21.52S 66.40W 199–31 4.1,3.7b
GUC X 23 22 01 55.4–.42 21.49S 67.39W 254–6 4.3L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.4km az=141.7.
SJA Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=47.5km s-min=19.2km az=96.0.
GUC Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0.
ISC X 25 16 01 07.3–.86 21.53S–.06 66.66W–.05 231–8 35 1-144
ISCJB X 25 16 01 06.9–.60 21.56S–.05 66.70W–.04 238–6 3.3b **¶601999625**
SJA X 25 16 01 07.3–.95 21.57S 66.64W 235–8 3.2W,3.0L
IDC X 25 16 01 07.7–3.1 21.38S 66.32W 225–22 3.7,3.4
GUC X 25 16 01 08.0–.47 21.51S 67.16W 262–23 4.0L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=24.6.
SJA Error ellipse: s-maj=7.1km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=59.6km s-min=20.4km az=46.0.
GUC Error ellipse: s-maj=4.6km s-min=31.3km az=-1.0.
SJA X 31 21 40 12.7–.87 20.67S 64.77W 33 3.6W,3.1L
¶604738692
SJA Error ellipse: s-maj=17.6km s-min=14.8km az=-1.0.
GUC XI 03 11 22 55.7–.56 20.74S 67.15W 263–24 3.8L
¶604837202
GUC Error ellipse: s-maj=6.8km s-min=25.1km az=-1.0.
ISC XI 04 19 08 25.0–.53 20.41S–.03 67.96W–.04 172–4 4.8b 319 1-172
MOS XI 04 19 08 22.8–1.1 20.28S 67.85W 158 5.0b **¶601871340**
ISCJB XI 04 19 08 23.9–.18 20.46S–.02 67.95W–.03 176–2 4.8b
NEIC XI 04 19 08 24.0–.53 20.35S 67.80W 158–5 5.0L,4.9b
GUC XI 04 19 08 25.7–.76 20.41S 68.29W 182–6 5.0L,4.9b
IDC XI 04 19 08 25.8–1.1 20.26S 67.76W 173–8 4.8,4.4
BJI XI 04 19 08 25.4 20.40S 67.90W 159 5.0b,4.4
SCB XI 04 19 08 27.0–2.3 20.45S 67.82W 17–12 5.0L,4.4
GCMT XI 04 19 08 30.0–.20 20.40S–.01 68.09W–.02 188–1 5.2W,4.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Mamina and [II] at Cuya and La Tirana, Chile. Also felt at Iquique.
SCB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c58; s92,c127;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.18 $M_{\theta\phi}$2.38±.19; $M_{\theta\theta}$-2.51±.23; $M_{r\theta}$2.69±.12; $M_{\theta\theta}$-3.11±.18; $M_{\theta r}$-6.06±.16; Best double couple: NP1:ϕ_s159.00000°,δ90.00000°,λ59.00000°. NP2:ϕ_s69.00000°,δ31.00000°,λ179.00000°. Principal axes: T 7.9650,Plg38.0000° ,Azm42.0000°; N -0.5060,Plg31.0000°,Azm159.0000°; P -7.4540,Plg37.0000° ,Azm276.0000° $M_0$7.70900×10^{16}
ISC XI 08 00 47 24.0–.94 20.42S–.07 67.3W–.20 270–20 23 2-76
ISCJB XI 08 00 47 23.2–.74 20.46S–.06 67.3W–.20 278–19 3.9b **¶602389005**
GUC XI 08 00 47 23.9–.60 20.53S 67.46W 267–8 3.6L
IDC XI 08 00 47 28.0–3.4 19.91S 67.13W 299–19 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.5km s-min=9.2km az=8.3.
GUC Error ellipse: s-maj=3.2km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=73.4km s-min=25.1km az=55.0.
GUC XI 14 14 58 04.7–.51 21.37S 66.75W 334–22 3.6L
¶604837317
GUC Error ellipse: s-maj=4.2km s-min=25.4km az=-1.0.
SJA XI 18 11 42 36.3–.56 20.89S 67.60W 195–12 3.9W,3.1L
¶604740131
SJA Error ellipse: s-maj=7.2km s-min=10.5km az=-1.0.
ISC XI 22 05 55 13.1–.57 19.19S–.03 67.63W–.03 200–5 4.7b 561 2-166
BJI XI 22 05 55 10.0 19.10S 67.40W 191 5.3b **¶601993625**
ISCJB XI 22 05 55 12.3–.17 19.11S–.02 67.60W–.02 209–1 4.6b
NEIC XI 22 05 55 12.2–.34 19.07S 67.46W 188–3 4.8b
IDC XI 22 05 55 13.3–.84 19.06S 67.47W 194–6 4.8,4.3
GUC XI 22 05 55 14.6–.46 19.28S 68.12W 247–5 4.7L,4.3
SCB XI 22 05 55 15.0–1.9 19.25S 67.59W 0–2 4.8L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=158.1.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=70.0.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=63.0.
GUC Error ellipse: s-maj=2.0km s-min=8.1km az=-1.0.
SCB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=0.0.
ISC XI 27 04 27 29.3–.59 21.47S–.04 66.78W–.03 211–5 4.5b 577 1-167
IDC XI 27 04 27 26.4–1.1 21.35S 66.48W 183–10 4.5,4.1 **¶601994732**
MOS XI 27 04 27 27.8–1.2 21.47S 66.68W 206 4.6b,4.1
NEIC XI 27 04 27 27.3–.44 21.46S 66.49W 190–4 4.5b,4.1
ISCJB XI 27 04 27 28.4–.20 21.40S–.02 66.73W–.03 216–1 4.4b,4.1
GUC XI 27 04 27 29.2–.56 21.56S 67.53W 275–11 5.0L,4.1
SJA XI 27 04 27 29.8–.77 21.49S 66.85W 204–7 4.3W,3.9L
SCB XI 27 04 27 30.8–1.8 21.35S 66.84W 0–2 4.5L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.3km az=72.0.
MOS Error ellipse: s-maj=13.4km s-min=6.9km az=109.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=156.7.
GUC Error ellipse: s-maj=5.9km s-min=14.1km az=-1.0.
SJA Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=0.0.
ISC XI 27 08 59 41.3–1.0 21.44S–.06 66.82W–.07 200 25 1-144
ISCJB XI 27 08 59 43.3–.52 21.42S–.05 66.80W–.06 200 3.6b **¶602390051**
SJA XI 27 08 59 43.5–.77 21.50S 66.81W 199–9 3.3W,3.0L
IDC XI 27 08 59 51.4–8.2 20.47S 66.50W 296–70 3.9,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=138.9.
SJA Error ellipse: s-maj=5.5km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=113.3km s-min=85.3km az=17.0.
ISC XII 07 01 42 23.2–.70 20.69S–.04 66.85W–.03 221–7 3.9b 68 2-91
IDC XII 07 01 42 22.8–.78 20.70S 66.72W 223–8 4.1,3.7 **¶602390570**
ISCJB XII 07 01 42 23.2–.34 20.74S–.03 66.85W–.03 233–3 3.7b,3.7
GUC XII 07 01 42 24.7–.42 20.70S 67.52W 272–5 4.5L,3.7
SCB XII 07 01 42 27.0–2.0 20.63S 66.92W 0–2 3.6L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=10.1km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.8km az=146.1.
GUC Error ellipse: s-maj=2.3km s-min=7.2km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=0.0.
ISC XII 16 01 54 42.8–1.0 20.9S–.10 67.2W–.30 194 3.0b 8 5-144
ISCJB XII 16 01 54 41.4–.97 20.99S–.09 67.1W–.30 194 3.0b **¶602391435**
IDC XII 16 01 54 42.7–2.3 20.90S 67.15W 193–19 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.8km s-min=11.8km az=171.1.
IDC Error ellipse: s-maj=29.8km s-min=20.1km az=71.0.
ISC XII 18 20 34 12.2–.73 21.48S–.05 66.79W–.04 229–7 3.8b 64 1-153
ISCJB XII 18 20 34 11.5–.40 21.47S–.04 66.81W–.04 235–5 3.6b **¶602391627**
SJA XII 18 20 34 11.7–.72 21.47S 66.73W 232–5 3.4W,3.2L
IDC XII 18 20 34 11.4–1.0 21.56S 66.63W 222–11 4.0,3.5
GUC XII 18 20 34 12.7–.52 21.41S 67.45W 277–8 3.9L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=31.0.
SJA Error ellipse: s-maj=4.5km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=16.6km az=148.0.
GUC Error ellipse: s-maj=3.3km s-min=9.8km az=-1.0.
ISC XII 20 05 24 44.9–.93 21.11S–.05 66.67W–.05 116–10 32 2-92
IDC XII 20 05 24 43.7–1.7 21.10S 66.62W 110–21 3.6,3.4 **¶602391710**
ISCJB XII 20 05 24 44.5–.50 21.12S–.05 66.65W–.05 126–6 3.4b,3.4
SJA XII 20 05 24 45.9–.84 21.23S 66.76W 72–7 3.5W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=12.7km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.6km az=39.1.
SJA Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0.
ISC XII 26 02 35 12.7–.68 21.36S–.06 66.61W–.06 219 3.8b 41 2-153
ISCJB XII 26 02 35 12.7–.52 21.40S–.04 66.59W–.04 219 3.5b **¶602058849**
IDC XII 26 02 35 13.0–.84 21.38S 66.60W 222–9 4.0,3.5
GUC XII 26 02 35 14.6–.51 21.41S 67.06W 244–8 4.1L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=150.2.
IDC Error ellipse: s-maj=16.2km s-min=12.3km az=117.0.
GUC Error ellipse: s-maj=2.7km s-min=7.8km az=-1.0.
ISC XII 31 08 31 36.1–.82 20.85S–.05 67.41W–.07 183 22 2-144
SJA XII 31 08 31 34.4–.66 20.91S 67.49W 212–13 3.8L,3.6W **¶602380480**
ISCJB XII 31 08 31 36.2–.48 20.86S–.05 67.42W–.07 183 3.1b,3.6W
IDC XII 31 08 31 36.8–1.3 20.82S 67.31W 179–13 3.6,3.4
ISC Event type ke.
SJA Error ellipse: s-maj=9.8km s-min=11.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=153.1.
IDC Error ellipse: s-maj=25.5km s-min=17.7km az=111.0.

(127) Chile-Argentina border region.

ISC VII 01 05 46 06.9–2.2 23.99S–.07 67.4W–.20 225–35 24 2-6
SJA VII 01 05 46 04.3–.30 24.12S 66.40W 267–37 3.2L,2.6W **¶603976681**
ISCJB VII 01 05 46 06.3–.91 24.09S–.05 67.2W–.20 189–31 3.2L,2.6W
GUC VII 01 05 46 07.8–.56 23.81S 67.53W 228–10 3.7L,2.6W
ISC Event type ke.
SJA Error ellipse: s-maj=10.2km s-min=19.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=7.3km az=170.5.

GUC Error ellipse: s-maj=4.6km s-min=10.6km az=-1.0.
SJA VII 02 02 38 59.5–.95 27.88S 68.32W 150–13 3.7W,3.7L ¶604404008

SJA Error ellipse: s-maj=8.5km s-min=6.3km az=-1.0.
GUC VII 03 12 13 44.6–.52 23.34S 67.30W 235–17 4.1L ¶604836258

GUC Error ellipse: s-maj=5.7km s-min=14.5km az=-1.0.
ISC VII 04 08 13 11.4–.62 33.74S–.04 70.47W–.05 98–5 3.9b 54 0-156
ISCJB VII 04 08 13 10.9–.33 33.75S–.03 70.50W–.05 105–3 3.8b **¶601663466**
IDC VII 04 08 13 10.7–3.2 33.68S 70.24W 90–28 3.8,3.6
GUC VII 04 08 13 11.1–.68 33.72S 70.44W 104–5 4.1L,3.6
SJA VII 04 08 13 11.0–.45 33.78S 70.45W 79–2 4.1W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=29.4.
IDC Error ellipse: s-maj=30.8km s-min=15.2km az=96.0.
GUC Error ellipse: s-maj=2.7km s-min=5.3km az=-1.0.
SJA Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
ISC VII 04 15 23 30.6–.70 28.35S–.04 69.08W–.04 101–7 3.5b 71 1-151
ISCJB VII 04 15 23 29.8–.31 28.33S–.03 69.06W–.04 115–4 3.7b **¶601242100**
NEIC VII 04 15 23 29.4–.57 28.39S 68.95W 89–9 4.4L,3.9b
IDC VII 04 15 23 29.4–2.8 28.35S 68.91W 83–24 3.8,3.7
SJA VII 04 15 23 30.4–.46 28.37S 68.99W 117–3 4.3L,4.0W
GUC VII 04 15 23 30.8–1.2 28.41S 69.15W 98–9 4.4L,4.0W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=179.7.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=6.8km az=95.0. Felt [II] at Coquimbo and La Serena, Chile.
IDC Error ellipse: s-maj=30.4km s-min=17.7km az=88.0.
SJA Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=5.4km s-min=4.6km az=-1.0.
ISC VII 05 04 02 36.4–1.6 28.59S–.04 69.46W–.04 129–13 26 1-3
SJA VII 05 04 02 35.5–.45 28.57S 69.47W 135–3 4.4W,4.3L **¶603976721**
ISCJB VII 05 04 02 36.5–.86 28.59S–.04 69.48W–.06 125–10 4.4W,4.3L
GUC VII 05 04 02 38.8–.46 28.67S 69.54W 75–8 4.3L,4.3L
ISC Event type ke.
SJA Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.0km az=178.0.
GUC Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
GUC VII 05 14 51 29.1–.47 23.16S 67.29W 250–9 3.9L ¶604836268

GUC Error ellipse: s-maj=3.4km s-min=8.9km az=-1.0.
GUC VII 06 00 48 56.9–.61 35.94S 70.88W 15–7 3.5L ¶604836271

GUC Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0.
ISC VII 07 06 12 51.2–1.6 24.76S–.06 68.3W–.20 139–28 19 1-7
ISCJB VII 07 06 12 50.8–.80 24.75S–.05 68.3W–.20 135–26 **¶603976738**
GUC VII 07 06 12 52.2–.33 24.68S 68.40W 132–5 3.4L
SJA VII 07 06 12 52.9–.48 25.03S 68.31W 240–31 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.5km s-min=6.6km az=172.5.
GUC Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
SJA Error ellipse: s-maj=12.9km s-min=12.5km az=-1.0.
ISC VII 08 16 33 39.6–1.3 24.12S–.07 67.3W–.20 188–19 30 2-147
GUC VII 08 16 33 40.6–.48 24.06S 67.70W 212–8 3.9L **¶601664294**
IDC VII 08 16 33 42.8–3.1 23.86S 66.90W 196–31 3.8,3.3
ISC Event type ke.
GUC Error ellipse: s-maj=4.1km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=40.3km s-min=26.2km az=111.0.
ISC VII 08 19 52 58.2–.70 24.19S–.04 67.26W–.04 173–6 4.1b 65 2-156
ISCJB VII 08 19 52 57.7–.30 24.23S–.03 67.28W–.04 181–3 4.0b **¶601246344**
NEIC VII 08 19 52 57.2–.81 24.24S 67.15W 163–8 4.0b
SJA VII 08 19 52 58.3–.70 24.22S 67.27W 177–8 4.2W,3.4L
IDC VII 08 19 52 58.5–2.3 24.18S 67.02W 169–20 4.4,4.0
GUC VII 08 19 52 59.9–.42 24.16S 67.78W 215–7 5.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=136.3.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.7km az=93.0.
SJA Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=14.0km az=63.0.
GUC Error ellipse: s-maj=2.5km s-min=7.5km az=-1.0.
GUC VII 09 17 51 10.6–.40 24.07S 67.70W 217–11 3.5L ¶604836290

GUC Error ellipse: s-maj=2.5km s-min=12.5km az=-1.0.
ISC VII 09 22 47 21.1–1.6 28.59S–.04 69.16W–.04 116–13 25 1-3
ISCJB VII 09 22 47 20.5–.93 28.59S–.04 69.15W–.04 117–11 **¶603976762**
GUC VII 09 22 47 20.7–.59 28.57S 69.34W 121–27 3.6L
SJA VII 09 22 47 20.7–.76 28.63S 69.16W 118–5 3.8L,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.9km az=163.4.
GUC Error ellipse: s-maj=5.2km s-min=27.5km az=-1.0.
SJA Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
GUC VII 10 22 23 53.0–.36 23.97S 67.25W 208–10 4.1L ¶604836301

GUC Error ellipse: s-maj=2.8km s-min=8.3km az=-1.0.
GUC VII 11 17 33 36.4–.60 24.20S 67.67W 218–10 3.7L ¶604836310

GUC Error ellipse: s-maj=2.9km s-min=9.9km az=-1.0.
GUC VII 11 21 44 22.9–.35 23.11S 67.22W 251–7 4.1L ¶604836311

GUC Error ellipse: s-maj=2.7km s-min=6.9km az=-1.0.
ISC VII 13 14 37 52.7–.85 24.10S–.08 67.02W–.07 181 3.6b 24 2-147
ISCJB VII 13 14 37 52.0–.76 24.15S–.06 67.03W–.05 181 3.6b **¶601272425**
IDC VII 13 14 37 54.8–3.3 24.01S 66.78W 194–31 4.0,3.6
GUC VII 13 14 37 55.5–.41 23.93S 67.59W 226–8 4.2L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.1km az=2.9.
IDC Error ellipse: s-maj=31.8km s-min=26.3km az=92.0.
GUC Error ellipse: s-maj=4.6km s-min=7.3km az=-1.0.
GUC VII 14 06 06 32.4–.46 24.18S 67.66W 215–10 4.1L ¶604836326

GUC Error ellipse: s-maj=2.6km s-min=7.8km az=-1.0.
SJA VII 15 02 03 27.4–1.1 34.65S 69.66W 204–24 3.5L,3.0W ¶604383213

SJA Error ellipse: s-maj=20.9km s-min=14.8km az=-1.0.
GUC VII 15 15 34 08.8–.49 24.05S 67.69W 234–9 4.0L ¶604836334

GUC Error ellipse: s-maj=5.5km s-min=10.6km az=-1.0.
ISC VII 16 18 07 03.3–.74 36.61S–.05 70.94W–.06 154–7 3.8b 59 1-158
ISCJB VII 16 18 07 02.3–.38 36.63S–.03 70.93W–.07 159–4 3.7b **¶601664685**
SJA VII 16 18 07 02.4–.60 36.68S 70.95W 164–5 3.8L,3.6W
IDC VII 16 18 07 03.4–2.4 36.72S 70.59W 146–22 4.0,3.7
GUC VII 16 18 07 03.3–.51 36.63S 71.05W 168–6 3.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.1km az=20.0.
SJA Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=14.8km az=98.0.
GUC Error ellipse: s-maj=3.9km s-min=8.7km az=-1.0.
GUC VII 18 12 36 20.6–.56 23.74S 67.26W 240–17 3.9L ¶604836358

GUC Error ellipse: s-maj=6.1km s-min=14.6km az=-1.0.
GUC VII 20 02 14 09.4–.42 23.71S 67.20W 240 3.7L ¶604836366

GUC Error ellipse: s-maj=4.7km s-min=4.8km az=-1.0.
ISC VII 20 11 35 53.6–.66 24.27S–.04 67.20W–.04 173–6 4.5b 453 2-171
SJA VII 20 11 35 52.6–.78 24.25S 66.97W 224–13 4.1L,4.0W **¶601453193**
NEIC VII 20 11 35 52.7–.46 24.28S 66.96W 162–4 4.6b,4.1
BJI VII 20 11 35 52.4 24.30S 67.00W 160 4.8b,4.1
ISCJB VII 20 11 35 52.9–.22 24.25S–.02 67.16W–.03 185–2 4.4b,4.1
GUC VII 20 11 35 55.4–.61 24.17S 67.59W 208–13 4.9L,4.1
IDC VII 20 11 35 55.3–1.8 24.12S 66.86W 185–15 4.4,4.1
ISC Event type se.

SJA Error ellipse: s-maj=2.6km s-min=13.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.1km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=167.4.
GUC Error ellipse: s-maj=2.8km s-min=11.2km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=10.4km az=72.0.
ISC VII 20 12 45 50.2–3.6 33.7S–.10 70.09W–.07 122–20 24 0-3
SJA VII 20 12 45 49.6–.28 33.68S 70.09W 116–2 2.7W,2.3L **¶603976895**
ISCJB VII 20 12 45 50.5–1.3 33.64S–.08 70.08W–.07 122–8 2.7W,2.3L
GUC VII 20 12 45 51.5–.42 33.44S 70.01W 124–3 2.8L,2.3L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.9km az=155.6.
GUC Error ellipse: s-maj=11.7km s-min=10.0km az=-1.0.
GUC VII 21 10 06 47.2–.50 24.09S 67.42W 175 3.8L ¶604836376

GUC Error ellipse: s-maj=3.2km s-min=4.8km az=-1.0.
ISC VII 21 23 36 57.1–1.3 24.08S–.08 67.01W–.09 181 19 3-147
GUC VII 21 23 36 59.2–.54 24.08S 67.59W 224–13 3.9L **¶601664936**
ISCJB VII 21 23 37 00.0–1.4 24.01S–.06 67.21W–.09 181 2.8b
IDC VII 21 23 37 03.1–10 23.60S 66.36W 203–82 3.4,3.0
ISC Event type ke.
GUC Error ellipse: s-maj=3.1km s-min=11.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.7km az=26.6.
IDC Error ellipse: s-maj=128.1km s-min=80.2km az=46.0.
ISC VII 23 23 52 30.6–1.0 33.68S–.05 70.18W–.05 9–12 22 0-2
GUC VII 23 23 52 29.9–.59 33.69S 70.12W 10–2 2.8L **¶603976946**
SJA VII 23 23 52 30.7–.95 33.71S 70.14W 10 2.7W,2.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
SJA Error ellipse: s-maj=8.7km s-min=2.9km az=-1.0.
GUC VII 24 05 51 01.6–.47 24.16S 67.50W 219–14 3.7L ¶604836400

GUC Error ellipse: s-maj=2.8km s-min=14.4km az=-1.0.
GUC VII 24 23 05 21.7–.46 23.86S 67.61W 253–11 4.0L ¶604836408

GUC Error ellipse: s-maj=5.8km s-min=10.5km az=-1.0.
ISC VII 26 11 34 34.0–1.9 36.1S–.10 70.6W–.10 187 21 1-8
ISCJB VII 26 11 34 34.1–1.0 36.06S–.08 70.7W–.10 187 **¶603976993**
GUC VII 26 11 34 34.7–.75 36.07S 70.58W 182–14 3.5L
SJA VII 26 11 34 34.8–.91 35.99S 70.60W 187–21 3.6L,3.4W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=7.8km az=37.6.
GUC Error ellipse: s-maj=5.8km s-min=16.1km az=-1.0.
SJA Error ellipse: s-maj=22.7km s-min=20.9km az=-1.0.
ISC VII 27 06 10 50.6–.66 24.23S–.04 67.17W–.04 168–6 4.4b 517 2-166
ISCJB VII 27 06 10 49.8–.24 24.19S–.02 67.13W–.03 178–2 4.3b **¶601476140**
NEIC VII 27 06 10 49.8–.36 24.19S 66.97W 157–3 4.4b
SJA VII 27 06 10 50.5–.78 24.18S 67.17W 186–8 4.6W,3.4L
GUC VII 27 06 10 51.9–.57 24.17S 67.42W 189–14 4.9L,3.4L
IDC VII 27 06 10 51.4–1.8 24.11S 66.97W 172–15 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.7km az=166.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=80.0.
SJA Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=11.0km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=12.6km az=70.0.
GUC VII 29 16 10 53.5–.49 23.74S 67.44W 255–12 4.1L ¶604836436

GUC Error ellipse: s-maj=6.3km s-min=13.6km az=-1.0.
ISC VII 29 20 33 17.1–1.7 28.71S–.04 69.22W–.04 129–14 26 1-4
ISCJB VII 29 20 33 16.8–.90 28.70S–.03 69.21W–.04 127–10 **¶603977034**
GUC VII 29 20 33 17.6–.77 28.75S 69.33W 125–14 3.5L
SJA VII 29 20 33 17.1–.55 28.76S 69.17W 128–4 4.0W,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=157.9.
GUC Error ellipse: s-maj=2.5km s-min=13.9km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC VII 29 21 39 01.6–1.7 33.52S–.06 70.11W–.06 122–10 32 0-3
SJA VII 29 21 39 00.6–1.1 33.50S 70.15W 125–8 2.9W,2.5L **¶603977035**
ISCJB VII 29 21 39 01.4–.85 33.51S–.05 70.10W–.06 123–6 2.9W,2.5L
GUC VII 29 21 39 01.9–.68 33.47S 70.14W 126–4 3.1L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=6.3km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.4km az=139.9.
GUC Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
GUC VII 30 13 27 03.9–.51 23.58S 67.98W 166–8 3.5L ¶604836444

GUC Error ellipse: s-maj=3.6km s-min=8.1km az=-1.0.
GUC VII 30 17 29 16.5–.35 24.01S 67.67W 221–6 3.7L ¶604836447

GUC Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0.
ISC VIII 01 14 21 07.2–.82 28.67S–.05 69.46W–.04 112–7 4.1b 32 1-151
SJA VIII 01 14 21 05.2–.79 28.67S 69.45W 121–5 4.0W,3.5L **¶601765316**
ISCJB VIII 01 14 21 06.1–.56 28.67S–.05 69.46W–.05 120–5 4.3b,3.5L
GUC VIII 01 14 21 06.3–.63 28.73S 69.48W 104–7 3.7L,3.5L
IDC VIII 01 14 21 44.1–16 29.37S 68.35W 422–160 4.0,3.2
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=7.2km az=0.9.
GUC Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=75.8km s-min=29.4km az=125.0.
ISC VIII 05 12 53 52.9–1.5 24.14S–.10 67.3W–.20 178–20 3.4b 32 2-131
IDC VIII 05 12 53 51.8–2.5 24.17S 67.12W 161–25 3.7,3.3 **¶601765496**
ISCJB VIII 05 12 53 52.1–.82 24.17S–.06 67.3W–.10 186–14 3.5b,3.3
GUC VIII 05 12 53 54.4–.48 24.00S 67.77W 222–8 4.2L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=19.7km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=9.0km az=14.6.
GUC Error ellipse: s-maj=3.5km s-min=7.9km az=-1.0.
ISC VIII 06 02 03 46.8–1.6 24.30S–.09 68.3W–.10 82–17 26 2-147
IDC VIII 06 02 03 47.8–7.2 24.28S 68.20W 84–58 3.8,3.8L **¶601765530**
GUC VIII 06 02 03 49.3–.50 24.16S 68.85W 143–9 3.6L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=79.1km s-min=35.6km az=166.0.
GUC Error ellipse: s-maj=2.7km s-min=9.4km az=-1.0.
GUC VIII 06 02 14 47.1–.72 30.62S 69.81W 105–11 2.8L ¶606588137

GUC Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
GUC VIII 06 10 20 08.6–.48 24.03S 67.89W 240 3.8L ¶604836494

GUC Error ellipse: s-maj=3.1km s-min=5.6km az=-1.0.
GUC VIII 08 18 20 21.4–.48 23.89S 67.62W 209–9 3.6L ¶604836506

GUC Error ellipse: s-maj=4.2km s-min=8.8km az=-1.0.
GUC VIII 11 19 35 55.1–.55 23.78S 67.53W 253–10 4.0L ¶604836524

GUC Error ellipse: s-maj=4.8km s-min=11.4km az=-1.0.
GUC VIII 13 08 53 54.8–.41 24.00S 67.70W 240–13 4.2L ¶604836535

GUC Error ellipse: s-maj=5.9km s-min=11.1km az=-1.0.
ISC VIII 21 09 49 09.5–2.7 28.39S–.08 69.51W–.05 123–24 18 1-3
ISCJB VIII 21 09 49 09.8–1.4 28.41S–.06 69.49W–.05 117–15 **¶603977304**
SJA VIII 21 09 49 09.4–.68 28.48S 69.51W 123–7 3.4W,3.4L
GUC VIII 21 09 49 09.8–.79 28.48S 69.40W 87–999 3.5L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.7km az=7.9.
SJA Error ellipse: s-maj=4.6km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=356.4km s-min=999.9km az=-1.0.
ISC VIII 22 19 02 21.0–2.5 24.26S–.07 67.23W–.05 194–25 31 2-6
SJA VIII 22 19 02 21.1–.56 24.27S 67.22W 191–13 3.0W,2.8L **¶603977324**
ISCJB VIII 22 19 02 22.9–1.0 24.24S–.06 67.28W–.04 168–13 3.0W,2.8L

GUC VIII 22 19 02 24.5–.47 24.05S 67.70W 219–8 3.7L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=12.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.3km az=30.4.
GUC Error ellipse: s-maj=4.0km s-min=7.1km az=-1.0.
GUC VIII 23 06 59 03.9–.58 35.20S 67.70W 106–9 3.6L
¶604836592
GUC Error ellipse: s-maj=3.1km s-min=8.6km az=-1.0.
ISC VIII 23 13 14 31.3–1.2 25.98S–.04 68.63W–.06 150 21 2-5
ISCJB VIII 23 13 14 30.8–.45 25.98S–.03 68.69W–.05 150 **¶603977378**
SJA VIII 23 13 14 31.6–.60 25.99S 68.45W 174–15 3.2W,3.1L
GUC VIII 23 13 14 31.4–.65 26.02S 68.66W 143–20 4.1L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=4.0.
SJA Error ellipse: s-maj=3.9km s-min=5.4km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=14.3km az=-1.0.
ISC VIII 24 16 04 35.2–1.7 32.22S–.04 70.11W–.05 124–13 33 1-5
ISCJB VIII 24 16 04 35.0–.78 32.22S–.04 70.11W–.06 124–7 **¶603977388**
SJA VIII 24 16 04 35.6–.67 32.20S 70.09W 111–4 3.3W,3.1L
GUC VIII 24 16 04 36.0–.66 32.18S 70.18W 96–12 3.1L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.5km az=31.4.
SJA Error ellipse: s-maj=3.1km s-min=6.3km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=9.7km az=-1.0.
ISC VIII 24 23 44 19.4–1.1 23.97S–.07 67.01W–.06 200 21 2-77
ISCJB VIII 24 23 44 19.0–.46 24.00S–.04 67.01W–.06 200 3.1b **¶601766420**
SJA VIII 24 23 44 18.4–.57 23.99S 66.96W 204–9 2.9W,2.6L
IDC VIII 24 23 44 26.7–9.7 23.45S 66.88W 249–69 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=17.3.
SJA Error ellipse: s-maj=3.2km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=108.1km s-min=41.3km az=28.0.
ISC VIII 26 04 09 15.7–2.6 33.22S–.09 70.31W–.08 106–18 23 0-4
SJA VIII 26 04 09 13.6–.71 33.25S 70.33W 115–10 2.9W,2.2L **¶603977408**
ISCJB VIII 26 04 09 14.9–1.5 33.21S–.08 70.31W–.09 111–11 2.9W,2.2L
GUC VIII 26 04 09 14.7–.58 33.01S 70.06W 100–6 3.0L,2.2L
ISC Event type ke.
SJA Error ellipse: s-maj=9.5km s-min=6.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=11.2km az=38.3.
GUC Error ellipse: s-maj=6.4km s-min=8.7km az=-1.0.
ISC VIII 26 05 39 17.3–2.0 32.90S–.06 70.06W–.05 116–14 34 0-6
ISCJB VIII 26 05 39 16.6–.90 32.91S–.06 70.06W–.06 121–8 **¶603977409**
GUC VIII 26 05 39 16.7–.68 32.70S 69.89W 100–14 3.7L
SJA VIII 26 05 39 16.9–.91 32.88S 70.06W 109–5 3.7W,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.3km az=158.0.
GUC Error ellipse: s-maj=12.1km s-min=12.0km az=-1.0.
SJA Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
GUC VIII 27 14 12 40.7–.44 23.58S 67.18W 228–13 3.8L
¶604836611
GUC Error ellipse: s-maj=4.7km s-min=12.6km az=-1.0.
ISC VIII 27 21 14 52.2–2.9 33.22S–.08 70.50W–.08 89–19 19 0-3
ISCJB VIII 27 21 14 51.4–1.5 33.22S–.07 70.51W–.07 95–10 **¶603977427**
GUC VIII 27 21 14 51.7–.72 33.11S 70.39W 90–5 2.7L
SJA VIII 27 21 14 51.6–.68 33.20S 70.30W 113–15 2.9W,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=10.1km az=166.6.
GUC Error ellipse: s-maj=5.7km s-min=7.7km az=-1.0.
SJA Error ellipse: s-maj=6.6km s-min=13.6km az=-1.0.
ISC VIII 28 08 41 13.1–.94 28.05S–.08 69.17W–.08 100 3.7b 17 1-127
SJA VIII 28 08 41 11.6–.83 28.06S 69.21W 123–6 3.9L,3.4W **¶601755505**
ISCJB VIII 28 08 41 14.1–.70 28.17S–.07 69.28W–.08 100 3.7b,3.4W
IDC VIII 28 08 41 33.6–4.0 28.41S 68.24W 270–37 3.6,3.1b
ISC Event type ke.
SJA Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.8km az=135.3.
IDC Error ellipse: s-maj=42.4km s-min=25.7km az=98.0.
GUC VIII 29 00 36 26.0–.70 24.28S 68.31W 194–16 3.6L
¶604836619
GUC Error ellipse: s-maj=6.9km s-min=14.6km az=-1.0.
ISC VIII 29 04 22 33.6–1.2 24.19S–.06 67.03W–.05 181 27 2-4
SJA VIII 29 04 22 32.4–.70 24.22S 67.02W 196–13 2.5W,2.3L **¶603977445**
ISCJB VIII 29 04 22 33.4–.42 24.19S–.06 67.05W–.05 181 2.5W,2.3L
GUC VIII 29 04 22 35.5–.38 23.92S 67.53W 239–13 3.8L,2.3L
ISC Event type ke.
SJA Error ellipse: s-maj=5.5km s-min=12.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.6km az=33.2.
GUC Error ellipse: s-maj=5.0km s-min=10.1km az=-1.0.
SJA VIII 29 14 30 02.4–.72 28.14S 69.05W 117–6 3.6W,3.3L
¶604392498
SJA Error ellipse: s-maj=4.2km s-min=4.8km az=-1.0.
GUC VIII 29 19 08 16.9–.56 23.42S 67.36W 245–12 3.5L
¶604836623
GUC Error ellipse: s-maj=4.3km s-min=13.9km az=-1.0.
GUC VIII 30 02 09 42.9–.46 23.78S 67.40W 254–13 3.5L
¶604836627
GUC Error ellipse: s-maj=5.2km s-min=11.2km az=-1.0.
ISC VIII 30 22 55 21.6–1.8 30.95S–.04 70.26W–.06 112–16 22 1-3
ISCJB VIII 30 22 55 20.8–1.0 30.95S–.03 70.25W–.05 120–10 **¶603977462**
GUC VIII 30 22 55 20.1–.57 30.93S 70.18W 108–19 2.9L
SJA VIII 30 22 55 20.1–.67 31.06S 70.15W 139–8 2.8W,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=4.9.
GUC Error ellipse: s-maj=1.7km s-min=27.0km az=-1.0.
SJA Error ellipse: s-maj=3.5km s-min=7.5km az=-1.0.
ISC VIII 31 02 14 42.7–.67 24.19S–.04 67.23W–.03 175–6 4.0b 103 2-166
SJA VIII 31 02 14 41.1–.39 24.19S 67.17W 199–5 3.6W,3.6L **¶601664251**
ISCJB VIII 31 02 14 42.0–.25 24.22S–.03 67.24W–.03 181–3 3.9b,3.6L
NEIC VIII 31 02 14 42.0–.53 24.25S 67.08W 165–8 4.0b,3.6L
IDC VIII 31 02 14 44.5–2.0 24.03S 66.89W 182–16 4.3,3.9
GUC VIII 31 02 14 45.2–.42 23.91S 67.78W 237–10 4.7L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=38.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.3km az=87.0.
IDC Error ellipse: s-maj=19.8km s-min=12.9km az=62.0.
GUC Error ellipse: s-maj=4.7km s-min=9.0km az=-1.0.
ISC VIII 31 07 08 09.4–.65 34.26S–.04 70.40W–.05 109–5 4.6b 267 0-175
SJA VIII 31 07 08 06.0–.51 34.34S 70.62W 106–57 4.5W,4.4L **¶601664261**
ISCJB VIII 31 07 08 08.6–.31 34.21S–.03 70.25W–.05 113–2 4.6b,4.4L
GUC VIII 31 07 08 09.4–.48 34.26S 70.40W 109–3 4.5L,4.4L
NEIC VIII 31 07 08 09.0–.00 34.26S 70.40W 109 4.6b,4.5L
IDC VIII 31 07 08 10.0–2.7 34.18S 70.26W 110–24 4.5,4.2
ISC Event type fe.
SJA Error ellipse: s-maj=4.1km s-min=6.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.7km az=174.5.
GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [III] at Curico, Lolol, Rancagua, Rengo, San Bernardo, San Fernando, Santa Cruz and Santiago; [II] at Iloca, Pencahue, San Clemente and Talca. Also felt at Donihue, Espejo, Machali and Providencia. After GUC.
IDC Error ellipse: s-maj=19.9km s-min=11.1km az=81.0.
ISC VIII 31 20 20 37.4–.37 23.79S–.04 67.76W–.06 132 4.3b 324 2-166
ISCJB VIII 31 20 20 35.6–.22 23.65S–.04 67.71W–.04 132 4.2b **¶601668305**
NEIC VIII 31 20 20 36.2–.42 23.80S 67.68W 121–3 4.4b
IDC VIII 31 20 20 38.7–2.4 23.64S 67.66W 140–21 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=152.7.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=77.0.
IDC Error ellipse: s-maj=18.0km s-min=12.0km az=77.0.
ISC IX 01 05 19 53.7–2.8 33.30S–.08 70.37W–.08 93–18 20 0-3
ISCJB IX 01 05 19 52.5–1.4 33.31S–.06 70.39W–.08 102–9 **¶604392539**
GUC IX 01 05 19 52.3–.36 33.21S 70.29W 100–2 2.8L
SJA IX 01 05 19 52.7–.69 33.33S 70.25W 80–5 2.9W,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=10.2km az=28.3.
GUC Error ellipse: s-maj=2.9km s-min=4.3km az=-1.0.
SJA Error ellipse: s-maj=7.7km s-min=5.8km az=-1.0.
GUC IX 01 08 50 48.6–.46 23.08S 67.31W 240–17 3.6L
¶604836639
GUC Error ellipse: s-maj=5.4km s-min=15.9km az=-1.0.
ISC IX 02 18 18 40.3–2.3 32.49S–.07 70.56W–.08 101–21 25 1-4
ISCJB IX 02 18 18 39.6–1.1 32.49S–.08 70.55W–.07 107–14 **¶604392573**
SJA IX 02 18 18 39.0–1.1 32.49S 70.57W 106–19 3.6W,2.7L
GUC IX 02 18 18 40.5–.50 32.45S 70.51W 76–8 3.1L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=9.0km az=160.3.
SJA Error ellipse: s-maj=9.8km s-min=6.3km az=-1.0.
GUC Error ellipse: s-maj=4.7km s-min=6.8km az=-1.0.
ISC IX 05 03 02 00.2–.67 28.48S–.03 69.71W–.05 104–6 4.0b 76 1-151
IDC IX 05 03 01 58.5–4.4 28.34S 69.59W 84–37 4.0,3.8 **¶601685388**
ISCJB IX 05 03 01 59.4–.30 28.42S–.03 69.67W–.05 112–3 4.1b,3.8
GUC IX 05 03 01 59.8–.55 28.45S 69.99W 120–13 4.5L,3.8
NEIC IX 05 03 01 59.4–.47 28.43S 69.52W 93–5 4.5b,4.2L
SJA IX 05 03 02 00.5–.53 28.50S 69.78W 105–6 3.8W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=18.8km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=170.0.
GUC Error ellipse: s-maj=5.7km s-min=24.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=95.0.
SJA Error ellipse: s-maj=2.3km s-min=2.8km az=-1.0.
ISC IX 05 05 22 43.1–1.2 33.73S–.04 69.99W–.04 10–11 25 0-4
GUC IX 05 05 22 43.4–.66 33.72S 69.98W 16–3 2.9L **¶604392613**
SJA IX 05 05 22 43.9–.82 33.98S 69.84W 10 3.4L,3.2W
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=4.1km az=-1.0.
SJA Error ellipse: s-maj=3.9km s-min=5.5km az=-1.0.
GUC IX 05 11 24 34.4–.32 23.87S 67.83W 217–9 3.6L
¶604836665
GUC Error ellipse: s-maj=4.1km s-min=7.7km az=-1.0.
GUC IX 05 21 25 58.5–.46 23.75S 67.23W 232–12 4.1L
¶604836668
GUC Error ellipse: s-maj=4.4km s-min=11.5km az=-1.0.
ISC IX 06 06 45 57.5–.68 33.82S–.05 70.06W–.08 105–6 4.4b 56 1-153
ISCJB IX 06 06 45 56.6–.41 33.80S–.04 70.03W–.08 110–4 4.2b **¶601685410**
IDC IX 06 06 45 57.6–3.0 33.72S 69.92W 98–28 4.2,4.0
GUC IX 06 06 45 58.0–.51 33.77S 70.21W 108–3 4.4L,4.0
NEIC IX 06 06 45 58.0–.00 33.77S 70.21W 108 4.6b,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.9km az=179.2.
IDC Error ellipse: s-maj=26.0km s-min=14.4km az=96.0.
GUC Error ellipse: s-maj=5.9km s-min=7.3km az=-1.0.
NEIC Event type fe. Felt [II] at Rancagua. Also felt at Casablanca, Santiago and Talca. After GUC.
GUC IX 07 00 48 07.1–.56 34.65S 70.94W 106–4 3.5L
¶604836681
GUC Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0.
GUC IX 07 12 41 03.7–.30 23.93S 67.83W 234–9 3.7L
¶604836687
GUC Error ellipse: s-maj=4.4km s-min=8.7km az=-1.0.
GUC IX 08 16 03 54.8–.39 23.78S 67.43W 246–8 3.5L
¶604836691
GUC Error ellipse: s-maj=4.2km s-min=8.9km az=-1.0.
ISC IX 08 17 52 18.3–1.6 29.30S–.04 69.44W–.04 128–14 25 1-5
ISCJB IX 08 17 52 17.9–.82 29.29S–.04 69.44W–.05 128–9 **¶604392644**
SJA IX 08 17 52 17.9–.28 29.33S 69.34W 138–2 3.1W,2.9L
GUC IX 08 17 52 19.7–.86 29.33S 69.57W 110–18 3.4L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=22.0.
SJA Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
GUC Error ellipse: s-maj=3.3km s-min=14.0km az=-1.0.
ISC IX 10 19 31 50.6–2.1 30.62S–.04 70.93W–.09 78–16 21 0-4
ISCJB IX 10 19 31 49.8–1.1 30.62S–.04 70.93W–.08 85–10 **¶604392661**
GUC IX 10 19 31 49.7–.47 30.63S 70.76W 72–5 2.8L
SJA IX 10 19 31 51.0–.29 30.69S 70.71W 109–7 3.3W,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.5km az=171.0.
GUC Error ellipse: s-maj=1.6km s-min=7.4km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
ISC IX 10 23 06 14.2–2.2 29.19S–.05 69.65W–.04 125–19 23 1-3
ISCJB IX 10 23 06 14.0–1.0 29.20S–.05 69.65W–.05 123–10 **¶604392665**
GUC IX 10 23 06 14.0–.58 29.20S 69.66W 114–6 3.1L
SJA IX 10 23 06 14.5–.49 29.28S 69.43W 138–6 3.5L,3.3W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.5km az=160.4.
GUC Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=7.9km az=-1.0.
ISC IX 11 03 16 20.3–1.8 33.24S–.06 70.65W–.06 95–10 29 0-3
ISCJB IX 11 03 16 19.8–.96 33.23S–.05 70.64W–.06 99–6 **¶604392668**
SJA IX 11 03 16 19.2–1.2 33.26S 70.62W 96–7 3.6W,3.1L
GUC IX 11 03 16 20.4–.56 33.18S 70.57W 96–3 3.6L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.5km az=26.8.
SJA Error ellipse: s-maj=12.1km s-min=5.8km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=5.6km az=-1.0.
GUC IX 11 12 06 34.2–.69 23.94S 67.70W 227–13 4.0L
¶604836713
GUC Error ellipse: s-maj=6.4km s-min=13.5km az=-1.0.
ISC IX 11 16 50 22.3–1.3 24.18S–.07 67.19W–.05 178 29 2-4
SJA IX 11 16 50 19.5–.83 24.27S 67.14W 214–10 2.8W,2.4L **¶604392679**
ISCJB IX 11 16 50 22.4–.50 24.13S–.06 67.20W–.05 178 2.8W,2.4L
GUC IX 11 16 50 23.9–.51 24.01S 67.66W 220–10 3.6L,2.4L
ISC Event type ke.
SJA Error ellipse: s-maj=6.6km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.4km az=27.2.
GUC Error ellipse: s-maj=4.7km s-min=12.0km az=-1.0.
ISC IX 13 10 00 08.8–1.1 33.56S–.03 70.05W–.03 6–11 27 0-3
GUC IX 13 10 00 09.1–.54 33.55S 70.04W 14–3 3.3L **¶604392712**
SJA IX 13 10 00 11.2–.67 33.53S 70.00W 24–4 3.6W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=5.6km az=-1.0.
ISC IX 13 16 44 27.8–2.2 24.22S–.07 67.11W–.05 187–24 26 2-5
SJA IX 13 16 44 27.8–.56 24.22S 67.19W 170–19 2.7W,2.3L **¶604392722**
ISCJB IX 13 16 44 28.7–1.0 24.22S–.06 67.14W–.05 171–14 2.7W,2.3L
GUC IX 13 16 44 29.8–.40 24.05S 67.53W 221–8 3.8L,2.3L
ISC Event type ke.
SJA Error ellipse: s-maj=8.2km s-min=15.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.6km az=29.8.
GUC Error ellipse: s-maj=4.9km s-min=7.4km az=-1.0.
ISC IX 13 17 05 36.3–1.1 33.14S–.04 70.29W–.06 14–10 18 0-4
GUC IX 13 17 05 36.7–.67 33.12S 70.24W 3–8 2.0L **¶604392723**
SJA IX 13 17 05 37.0–.67 33.11S 70.28W 16–101 2.7W,2.0L
ISC Event type ke.
GUC Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
SJA Error ellipse: s-maj=6.2km s-min=6.3km az=-1.0.
ISC IX 14 19 33 30.7–.61 32.37S–.04 70.09W–.04 109–5 3.6b 55 1-152
ISCJB IX 14 19 33 29.9–.33 32.36S–.03 70.11W–.04 116–3 3.4b **¶601717669**
GUC IX 14 19 33 30.2–.77 32.39S 70.30W 115–10 4.2L
SJA IX 14 19 33 30.6–.70 32.34S 70.13W 97–4 4.2W,4.0L
IDC IX 14 19 33 31.4–.88 32.38S 69.79W 110–7 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=24.3.
GUC Error ellipse: s-maj=3.6km s-min=14.8km az=-1.0.

SJA Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=19.1km az=111.0.
ISC IX 15 22 43 55.1–1.1 24.41S–.08 67.27W–.04 169 27 2-147
SJA IX 15 22 43 54.4–.45 24.38S 67.17W 195–10 2.8W,2.7L **¶601863612**
ISCJB IX 15 22 43 55.5–.58 24.39S–.06 67.31W–.04 169 3.2b,2.7L
GUC IX 15 22 43 57.9–.44 24.37S 67.50W 172–18 3.8L,2.7L
IDC IX 15 22 44 02.4–2.4 23.87S 67.02W 219–24 3.5,3.1
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=10.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.2km az=14.2.
GUC Error ellipse: s-maj=3.9km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=37.3km s-min=24.1km az=86.0.
ISC IX 17 09 18 47.8–.86 24.09S–.05 67.18W–.04 182–9 40 2-131
ISCJB IX 17 09 18 47.1–.48 24.11S–.04 67.19W–.03 189–5 3.5b **¶601721513**
SJA IX 17 09 18 47.1–.64 24.08S 67.14W 190–7 3.4W,2.9L
IDC IX 17 09 18 48.0–2.7 24.07S 66.96W 170–25 4.2,3.7
GUC IX 17 09 18 48.9–.59 23.99S 67.76W 233–20 4.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=20.1.
SJA Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=29.5km s-min=22.2km az=69.0.
GUC Error ellipse: s-maj=5.4km s-min=19.2km az=-1.0.
ISC IX 19 10 48 10.0–2.8 32.27S–.05 70.21W–.05 98–26 26 1-2
SJA IX 19 10 48 07.9–.67 32.21S 70.23W 101–7 4.4W,3.1L **¶604392814**
ISCJB IX 19 10 48 08.4–1.5 32.26S–.04 70.21W–.05 112–14 4.4W,3.1L
GUC IX 19 10 48 08.4–.53 32.31S 70.37W 114–8 3.2L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=3.4km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.6km az=138.2.
GUC Error ellipse: s-maj=2.4km s-min=11.2km az=-1.0.
ISC IX 20 04 41 41.5–1.9 32.87S–.06 70.45W–.06 87–15 28 0-5
ISCJB IX 20 04 41 40.4–1.0 32.87S–.05 70.45W–.06 96–9 **¶604392827**
GUC IX 20 04 41 40.7–.47 32.87S 70.57W 98–4 2.7L
SJA IX 20 04 41 40.3–1.1 32.83S 70.43W 87–8 2.7W,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.1km az=142.4.
GUC Error ellipse: s-maj=2.3km s-min=7.5km az=-1.0.
SJA Error ellipse: s-maj=7.1km s-min=5.0km az=-1.0.
SJA IX 20 06 01 02.6–.82 34.24S 69.49W 11–4 3.5W,3.1L
¶604392829
SJA Error ellipse: s-maj=3.0km s-min=7.7km az=-1.0.
ISC IX 21 09 22 27.0–.49 32.95S–.04 70.00W–.04 113–4 4.4b 405 0-165
NEIC IX 21 09 22 26.0–.31 32.95S 69.74W 101–2 4.5,4.4L **¶601735813**
ISCJB IX 21 09 22 26.4–.21 32.91S–.03 69.94W–.04 118–1 4.4b,4.4L
SJA IX 21 09 22 26.9–.38 32.90S 69.93W 115–4 4.5L,4.3W
GUC IX 21 09 22 27.4–.66 33.01S 70.13W 122–3 4.4L,4.3W
IDC IX 21 09 22 29.0–.77 32.89S 69.77W 124–6 4.4,4.2
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=92.0. Felt [III] at Mendoza.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=25.7.
SJA Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=19.2km az=91.0.
ISC IX 21 13 06 11.4–.89 24.00S–.06 67.24W–.04 179–8 3.5b 35 2-82
SJA IX 21 13 06 10.6–.68 23.97S 67.19W 193–9 3.2W,2.8L **¶601863951**
ISCJB IX 21 13 06 11.0–.50 23.97S–.05 67.28W–.03 185–5 3.5b,2.8L
IDC IX 21 13 06 13.0–4.2 23.84S 67.10W 182–40 4.0,3.5
GUC IX 21 13 06 13.2–.53 23.95S 67.70W 204–18 4.2L,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=4.1km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=11.3.
IDC Error ellipse: s-maj=35.8km s-min=33.6km az=88.0.
GUC Error ellipse: s-maj=5.7km s-min=13.7km az=-1.0.
ISC IX 21 21 14 31.7–1.2 24.31S–.07 67.26W–.05 178 24 2-7
ISCJB IX 21 21 14 31.7–.50 24.30S–.06 67.29W–.05 178 **¶604392866**
SJA IX 21 21 14 31.1–.33 24.31S 67.23W 182–12 2.8L,2.3W
GUC IX 21 21 14 33.8–.55 24.18S 67.80W 220–11 4.0L,2.3W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.4km az=29.0.
SJA Error ellipse: s-maj=3.1km s-min=9.0km az=-1.0.
GUC Error ellipse: s-maj=4.4km s-min=10.7km az=-1.0.
SJA IX 24 00 36 25.6–.74 30.76S 69.09W 108–3 3.5W,3.0L
¶604392907
SJA Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
ISC IX 24 02 50 04.8–.79 35.14S–.05 70.94W–.07 105–8 3.9b 54 1-120
SJA IX 24 02 50 03.3–1.0 35.16S 70.72W 33 4.0L,3.5W **¶601795280**
ISCJB IX 24 02 50 04.1–.38 35.15S–.04 70.91W–.07 113–4 3.9b,3.5W
NEIC IX 24 02 50 04.0–.00 35.06S 71.18W 118 4.6L,4.2b
GUC IX 24 02 50 04.8–.53 35.06S 71.18W 119–4 4.6L,4.2b
IDC IX 24 02 50 04.1–3.0 35.08S 70.99W 99–26 4.0,3.8
ISC Event type fe.
SJA Error ellipse: s-maj=3.4km s-min=6.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.8km az=24.0.
NEIC Event type fe. Felt [IV] at Pelarco; [III] at Chepica, Chimbarongo, Lolol, Molina, Paredones, Pichilemu, Rio Claro, Romeral, San Fernando, Santa Cruz, San Vicente de Taguatagua, Talca and Villa Alegre; [II] at Cauquenes, Constitucion, Curico, Maule, Parral, Pencahue and Rancagua. After GUC.
GUC Error ellipse: s-maj=2.5km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=16.2km az=94.0.
ISC IX 25 06 18 17.8–2.1 32.49S–.05 70.78W–.08 72–21 26 1-3
GUC IX 25 06 18 15.9–.32 32.44S 70.64W 66–4 2.4L **¶604392923**
SJA IX 25 06 18 15.2–.84 32.40S 70.75W 26–3 2.9W,2.0L
ISCJB IX 25 06 18 16.3–1.2 32.49S–.05 70.83W–.07 85–12 2.9W,2.0L
ISC Event type ke.
ISCJB Event type ke.
GUC IX 27 11 05 53.2–.54 30.54S 70.25W 98–7 3.6L
¶604836852
GUC Error ellipse: s-maj=1.2km s-min=7.7km az=-1.0.
ISC IX 28 10 18 35.7–.56 24.19S–.04 67.02W–.04 195–6 4.0b 84 1-166
ISCJB IX 28 10 18 35.5–.27 24.13S–.02 67.00W–.03 209–3 3.7b **¶601767271**
SJA IX 28 10 18 36.1–.69 24.13S 66.91W 208–6 3.6W,3.1L
NEIC IX 28 10 18 36.0–.48 24.13S 66.91W 204–8 4.2b,3.1L
IDC IX 28 10 18 36.2–3.1 24.09S 66.79W 185–25 3.9,3.6
GUC IX 28 10 18 39.7–.34 23.86S 67.48W 232–5 4.2L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=151.5.
SJA Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.0km az=97.0.
IDC Error ellipse: s-maj=26.6km s-min=20.3km az=34.0.
GUC Error ellipse: s-maj=4.9km s-min=6.1km az=-1.0.
ISC IX 29 22 37 08.0–1.6 29.38S–.04 69.59W–.04 126–11 35 1-5
ISCJB IX 29 22 37 07.6–.72 29.38S–.04 69.60W–.04 127–7 **¶604393028**
GUC IX 29 22 37 07.9–.68 29.39S 69.63W 116–6 3.2L
SJA IX 29 22 37 08.1–.65 29.45S 69.61W 118–3 3.4W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=138.1.
GUC Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=3.8km az=-1.0.
ISC IX 30 16 07 56.9–.90 28.23S–.04 69.15W–.04 113–7 44 1-151
ISCJB IX 30 16 07 56.1–.55 28.24S–.04 69.18W–.04 119–7 3.7b **¶601857540**
GUC IX 30 16 07 56.1–.78 28.32S 69.14W 101–5 3.8L
SJA IX 30 16 07 56.0–.88 28.23S 69.18W 114–5 3.7W,3.5L
IDC IX 30 16 07 59.7–11 28.82S 68.46W 124–91 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=6.0km az=152.3.
GUC Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0.
SJA Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=156.7km s-min=53.9km az=138.0.
ISC X 01 05 01 49.2–1.0 24.29S–.06 67.27W–.05 179–10 32 2-147
ISCJB X 01 05 01 49.0–.66 24.28S–.05 67.29W–.04 178–8 3.2b **¶601996359**
SJA X 01 05 01 49.3–.52 24.36S 67.16W 189–10 3.1W,2.5L
GUC X 01 05 01 51.8–.40 23.95S 67.65W 219–5 3.9L,2.5L
IDC X 01 05 01 58.8–5.2 23.65S 66.86W 227–30 3.5,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.3km az=31.5.
SJA Error ellipse: s-maj=4.1km s-min=10.7km az=-1.0.
GUC Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=77.9km s-min=23.4km az=52.0.
ISC X 04 06 11 05.1–.61 24.11S–.04 67.15W–.04 173–5 4.8b 791 2-170
NEIC X 04 06 11 04.0–.36 24.06S 66.90W 160–3 4.8,4.8b **¶601781454**
SJA X 04 06 11 04.1–.45 24.10S 67.17W 192–4 4.8W,3.8L
IDC X 04 06 11 05.6–1.3 24.04S 66.87W 172–10 4.6,4.3
ISCJB X 04 06 11 07.1–.19 23.80S–.04 66.72W–.04 200 4.7b,4.3
GUC X 04 06 11 07.2–.45 23.84S 67.71W 234–12 5.2L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=73.0.
SJA Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=9.5km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=138.3.
GUC Error ellipse: s-maj=4.8km s-min=11.3km az=-1.0.
GUC X 06 15 08 06.7–.56 23.72S 67.48W 235–10 3.7L
¶604836909
GUC Error ellipse: s-maj=4.5km s-min=9.6km az=-1.0.
GUC X 07 16 01 29.7–.45 23.71S 67.30W 242–6 4.1L
¶604836918
GUC Error ellipse: s-maj=3.9km s-min=6.0km az=-1.0.
ISC X 08 08 58 19.6–1.0 24.87S–.04 68.83W–.07 111–13 34 1-148
ISCJB X 08 08 58 17.6–.50 24.88S–.03 68.86W–.08 138–11 3.3b **¶601997484**
SJA X 08 08 58 17.2–.57 24.84S 68.88W 145–10 3.2W,3.1L
GUC X 08 08 58 20.7–.62 24.61S 68.97W 151–13 3.7L,3.1L
IDC X 08 08 58 23.7–11 24.57S 67.98W 136–84 3.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=4.2km az=169.0.
SJA Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=6.8km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=105.2km s-min=80.3km az=58.0.
SJA X 08 21 50 26.6–.49 33.61S 70.99W 85–12 3.5W,1.8L
¶604738140
SJA Error ellipse: s-maj=11.4km s-min=12.2km az=-1.0.
ISC X 09 03 30 35.7–.25 29.44S–.02 69.53W–.03 127–2 4.7b 827 1-175
MOS X 09 03 30 32.9–1.1 29.39S 69.28W 104 4.9b **¶601795709**
NEIC X 09 03 30 33.3–.34 29.39S 69.21W 96–3 5.2L,4.8b
ISCJB X 09 03 30 33.6–.19 29.34S–.02 69.35W–.03 116–2 4.7b,4.8b
SJA X 09 03 30 34.3–.96 29.44S 69.53W 129–5 4.7W,4.5L
GUC X 09 03 30 34.7–.69 29.45S 69.56W 120–5 5.1L,4.5L
IDC X 09 03 30 37.4–.37 29.40S 69.32W 132–3 4.7,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=6.8km az=98.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=80.0. Felt [IV] at Andacollo and Paiguano; [III] at La Higuera and Vicuna; [II] at Alto del Carmen, Copiapo, Coquimbo, La Serena, Rio Hurtado, Tierra Amarilla and Vallenar, Chile.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=163.0.
SJA Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=10.6km az=81.0.
ISC X 10 18 45 56.8–2.0 35.03S–.09 71.0W–.20 122–21 22 1-7
SJA X 10 18 45 54.6–.23 35.07S 71.18W 99 3.3W,3.2L **¶604738224**
ISCJB X 10 18 45 56.3–.99 35.0S–.10 71.0W–.20 127–14 3.3W,3.2L
GUC X 10 18 45 56.1–.63 35.12S 70.72W 115–12 3.7L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=7.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=30.1km s-min=8.2km az=29.8.
GUC Error ellipse: s-maj=6.2km s-min=12.5km az=-1.0.
GUC X 11 09 58 23.9–.38 23.02S 67.29W 247–11 3.8L
¶604836955
GUC Error ellipse: s-maj=4.4km s-min=10.5km az=-1.0.
ISC X 11 10 19 27.1–1.9 33.76S–.08 70.27W–.09 103–11 20 0-4
SJA X 11 10 19 25.1–.69 33.72S 70.32W 117–9 3.2W,3.0L **¶604738235**
ISCJB X 11 10 19 26.1–1.1 33.74S–.07 70.3W–.10 111–8 3.2W,3.0L
GUC X 11 10 19 26.0–.66 33.75S 70.15W 110–6 2.5L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=14.4km s-min=12.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=10.7km az=29.4.
GUC Error ellipse: s-maj=3.6km s-min=6.0km az=-1.0.
ISC X 11 12 12 50.7–2.4 24.04S–.07 68.00W–.05 170–27 22 2-4
ISCJB X 11 12 12 51.7–1.1 24.04S–.07 68.01W–.05 155–18 **¶604738239**
SJA X 11 12 12 51.4–.90 24.04S 67.93W 157–19 2.7W,2.5L
GUC X 11 12 12 53.3–.50 23.93S 68.33W 179–8 3.7L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.9km az=12.2.
SJA Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.
GUC Error ellipse: s-maj=4.3km s-min=7.4km az=-1.0.
ISC X 11 17 22 09.9–.47 32.88S–.03 70.59W–.04 82–4 5.5b 1187 0-179
NEIC X 11 17 22 09.9–.33 32.87S 70.31W 82–3 5.7,5.7L **¶601874145**
ISCJB X 11 17 22 09.9–.20 32.79S–.02 70.40W–.03 94–1 5.4b,5.7L
SJA X 11 17 22 09.6–.71 32.98S 70.50W 137–6 5.7L,5.2W
GUC X 11 17 22 10.5–.45 32.88S 70.65W 95–2 5.7W,5.7L
MOS X 11 17 22 10.4–.96 32.82S 70.52W 93 5.4b,4.3s
NEIC X 11 17 22 10.0–.00 32.97S 70.52W 120 5.4b,4.3s
BJI X 11 17 22 11.3 32.90S 70.40W 82 5.5,5.5s
IDC X 11 17 22 13.3–3.2 32.86S 70.42W 113–27 5.4,5.1
GCMT X 11 17 22 14.9–.10 32.86S–.01 70.57W–.01 107–1 5.6W,5.1
ISC Event type fe.
NEIC Event type fe. Felt [VI] at Lampa, Melipilla, Penaflor, Puente Alto, San Bernardo, Santiago, Talagante and Tiltil and [V] in the Petorca-Rancagua-Valparaiso area. Felt as far north as Coquimbo and as far south as Linares. Also felt [IV] at Mendoza and [III] at San Juan, Argentina. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.48 $M_{r\theta}$-1.12 $M_{\theta\phi}$3.20 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s177.00000°,δ73.00000° ,λ-171.00000°. NP2:ϕ_s84.00000°,δ82.00000°,λ-17.00000°. Principal axes: T 3.2500,Plg6.0000°,Azm132.0000°; N 0.4000,Plg71.0000°,Azm239.0000° ; P -3.6500,Plg18.0000°,Azm40.0000° $M_0$3.50000×10^{17}
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$1.46 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.93 $M_{\phi r}$0.26 Best double couple: NP1:ϕ_s161.00000° ,δ88.00000°,λ-172.00000°. NP2:ϕ_s71.00000°,δ83.00000°,λ-2.00000°. Principal axes: T 2.4200,Plg3.0000°,Azm295.0000°; N 0.0700,Plg82.0000°,Azm179.0000° ; P -2.4900,Plg6.0000°,Azm26.0000° $M_0$2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c155; s92,c182;Duration: 1$\frac{1}{6}$ Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.04 $M_{\theta\theta}$-1.11±.05; $M_{\phi\phi}$1.11±.05; $M_{r\theta}$-0.41±.04; $M_{\theta\phi}$3.10±.04; $M_{\phi r}$0.28±.04; Best double couple: NP1:ϕ_s80.00000°,δ84.00000°,λ-6.00000°. NP2:ϕ_s170.00000°,δ84.00000°,λ-174.00000°. Principal axes: T 3.2930,Plg0.0000° ,Azm125.0000°; N 0.0680,Plg82.0000°,Azm216.0000°; P -3.3660,Plg8.0000°,Azm35.0000° $M_0$3.32900×10^{17}
ISC X 12 12 51 14.4–1.7 32.95S–.05 70.75W–.06 99–10 37 0-5
ISCJB X 12 12 51 13.8–.76 32.95S–.04 70.76W–.07 105–5 **¶604738257**
GUC X 12 12 51 14.4–.66 32.82S 70.56W 82–5 4.0L
SJA X 12 12 51 14.1–.96 32.93S 70.70W 94–5 4.1L,4.0W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.8km az=22.1.
GUC Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0.
SJA Error ellipse: s-maj=4.2km s-min=5.5km az=-1.0.
GUC X 14 02 44 15.7–.41 23.80S 67.32W 247–8 4.0L
¶604836984
GUC Error ellipse: s-maj=3.8km s-min=7.9km az=-1.0.
ISC X 14 18 17 45.3–1.3 31.76S–.03 70.58W–.05 4–14 20 1-3
ISCJB X 14 18 17 46.2–2.7 31.75S–.03 70.55W–.06 5–22 **¶604738304**
GUC X 14 18 17 46.8–.65 31.76S 70.91W 65 2.2L
SJA X 14 18 17 47.2–.30 31.80S 70.40W 8–4 2.6W,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=11.8.
GUC Error ellipse: s-maj=1.5km s-min=10.5km az=-1.0.

SJA Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0.
ISC X 15 08 47 32.4–2.3 24.22S–.07 67.22W–.05 202–22 32 2-4
SJA X 15 08 47 33.3–.65 24.24S 67.18W 195–7 3.4W,3.0L ¶604738317
ISCJB X 15 08 47 34.5–1.1 24.19S–.06 67.27W–.05 177–14 3.4W,3.0L
GUC X 15 08 47 36.5–.55 24.08S 67.93W 234–9 3.8L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.9km az=28.6.
GUC Error ellipse: s-maj=3.9km s-min=10.1km az=-1.0.
ISC X 15 14 23 56.5–2.8 24.2S–.10 67.04W–.06 207–24 27 2-4
SJA X 15 14 23 57.8–.52 24.10S 66.97W 197–6 3.5W,2.9L ¶604738325
ISCJB X 15 14 23 58.5–1.2 24.13S–.10 67.10W–.05 182–13 3.5W,2.9L
GUC X 15 14 23 59.7–.47 23.96S 67.55W 231–9 4.0L,2.9L
ISC Event type ke.
SJA Error ellipse: s-maj=5.6km s-min=3.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.1km az=20.8.
GUC Error ellipse: s-maj=4.6km s-min=8.2km az=-1.0.
GUC X 16 18 57 20.0–.44 24.21S 67.75W 232–8 3.7L
¶604837014
GUC Error ellipse: s-maj=4.6km s-min=7.8km az=-1.0.
ISC X 16 21 38 07.8–.73 23.94S–.05 67.02W–.05 198–6 3.5b 51 2-151
SJA X 16 21 38 06.4–.66 23.98S 66.95W 214–7 3.7W,3.1L ¶601998577
ISCJB X 16 21 38 07.2–.38 23.97S–.05 67.05W–.04 201–4 3.4b,3.1L
IDC X 16 21 38 08.2–2.5 23.89S 66.64W 200–23 3.7,3.3
GUC X 16 21 38 09.1–.47 23.70S 67.57W 251–11 4.5L,3.3
ISC Event type ke.
SJA Error ellipse: s-maj=3.2km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=31.3.
IDC Error ellipse: s-maj=27.5km s-min=15.2km az=72.0.
GUC Error ellipse: s-maj=5.1km s-min=10.2km az=-1.0.
ISC X 16 23 17 16.0–1.8 29.35S–.05 69.62W–.04 125–14 28 1-4
ISCJB X 16 23 17 16.1–.89 29.35S–.04 69.61W–.04 122–9 ¶604738351
GUC X 16 23 17 16.1–.73 29.35S 69.69W 118–15 3.5L
SJA X 16 23 17 17.1–.64 29.43S 69.50W 118–3 3.7W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=6.0km az=179.9.
GUC Error ellipse: s-maj=3.5km s-min=14.9km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=3.8km az=-1.0.
ISC X 17 15 44 53.3–1.1 24.26S–.07 67.27W–.05 175–11 29 2-147
SJA X 17 15 44 51.8–.24 24.26S 67.30W 183–5 2.9W,2.6L ¶601998683
ISCJB X 17 15 44 52.5–.78 24.28S–.06 67.30W–.04 181–9 2.9W,2.6L
GUC X 17 15 44 54.8–.42 24.03S 67.72W 221–7 3.9L,2.6L
IDC X 17 15 45 01.9–4.7 23.46S 66.94W 229–31 3.9,3.4
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.4km az=28.1.
GUC Error ellipse: s-maj=4.7km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=65.7km s-min=22.5km az=47.0.
ISC X 17 22 52 04.4–.69 24.14S–.04 67.18W–.04 177–6 4.1b 78 2-147
NEIC X 17 22 52 02.9–.74 24.16S 66.95W 158–8 4.3b,3.9 ¶601838146
ISCJB X 17 22 52 03.8–.28 24.16S–.03 67.22W–.03 184–3 4.0b,3.9
SJA X 17 22 52 03.9–.86 24.08S 67.11W 194–10 3.9W,3.9L
GUC X 17 22 52 05.4–.51 24.04S 67.84W 241–10 4.7L,3.9L
IDC X 17 22 52 05.6–2.9 24.00S 66.91W 182–23 4.3,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.6km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=30.4.
SJA Error ellipse: s-maj=4.3km s-min=4.2km az=-1.0.
GUC Error ellipse: s-maj=4.8km s-min=11.7km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=13.6km az=38.0.
GUC X 18 21 05 33.5–.33 23.96S 67.61W 230–6 3.9L
¶604837037
GUC Error ellipse: s-maj=3.8km s-min=6.0km az=-1.0.
ISC X 19 17 10 48.1–1.9 31.61S–.03 70.12W–.04 103–18 31 1-3
GUC X 19 17 10 46.6–.61 31.63S 70.58W 142–6 3.6L ¶604738414
SJA X 19 17 10 46.8–.74 31.61S 70.12W 101–6 3.5W,3.1L
ISCJB X 19 17 10 47.2–.95 31.61S–.03 70.11W–.04 112–9 3.5W,3.1L
ISC Event type ke.
ISCJB Event type ke.
ISC X 19 18 27 36.3–2.6 32.47S–.06 70.14W–.05 105–23 23 1-2
SJA X 19 18 27 34.7–.36 32.42S 70.17W 106–4 3.4W,2.8L ¶604738417
ISCJB X 19 18 27 35.5–1.5 32.47S–.04 70.14W–.05 111–14 3.4W,2.8L
GUC X 19 18 27 36.1–.54 32.49S 70.23W 101–8 2.9L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.3km az=44.7.
GUC Error ellipse: s-maj=2.7km s-min=7.7km az=-1.0.
GUC X 20 08 00 57.8–.50 23.62S 67.57W 223–9 3.6L
¶604837054
GUC Error ellipse: s-maj=3.9km s-min=9.8km az=-1.0.
GUC X 20 21 40 18.5–.39 23.87S 67.46W 249–10 3.9L
¶604837065
GUC Error ellipse: s-maj=6.8km s-min=12.1km az=-1.0.
GUC X 21 20 58 05.2–.51 24.08S 67.66W 222–6 3.8L
¶604837080
GUC Error ellipse: s-maj=4.2km s-min=6.6km az=-1.0.
GUC X 21 23 23 45.8–.45 23.82S 67.60W 210–8 3.8L
¶604837082
GUC Error ellipse: s-maj=3.6km s-min=7.6km az=-1.0.
GUC X 22 15 10 10.5–.50 24.03S 67.53W 231–10 3.9L
¶604837091
GUC Error ellipse: s-maj=5.4km s-min=9.1km az=-1.0.
GUC X 22 18 10 03.7–.46 23.93S 67.38W 227–8 3.9L
¶604837093
GUC Error ellipse: s-maj=6.1km s-min=7.3km az=-1.0.
ISC X 23 02 35 29.3–2.5 24.18S–.05 67.25W–.05 195–27 28 2-4
SJA X 23 02 35 29.6–.37 24.18S 67.19W 194–5 2.9W,2.5L ¶604738493
ISCJB X 23 02 35 31.1–1.1 24.18S–.05 67.30W–.04 167–15 2.9W,2.5L
GUC X 23 02 35 33.2–.48 23.86S 67.80W 233–12 4.0L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=32.0.
GUC Error ellipse: s-maj=5.0km s-min=11.5km az=-1.0.
ISC X 25 05 38 00.3–.40 32.85S–.03 70.18W–.04 107–3 4.7b 618 0-174
SJA X 25 05 37 57.6–.77 32.85S 70.22W 115–5 4.8W,4.8L ¶601846853
MOS X 25 05 37 57.6–.99 32.83S 69.92W 89 4.8b,4.8L
GUC X 25 05 37 58.8–.67 32.77S 70.17W 105–6 4.9L,4.8L
ISCJB X 25 05 37 58.8–.21 32.80S–.02 70.06W–.04 104–1 4.7b,4.8L
NEIC X 25 05 37 58.0–.00 32.77S 70.17W 105 4.9L,4.8
IDC X 25 05 38 01.1–.59 32.85S 69.86W 112–5 4.7,4.5
ISC Event type fe.
SJA Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.
MOS Error ellipse: s-maj=14.5km s-min=6.4km az=99.6.
GUC Error ellipse: s-maj=4.2km s-min=8.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=6.4.
NEIC Event type fe. Felt [IV] at Los Andes; [III] at Colina, Papudo, San Bernardo, San Felipe, San Jose de Maipo, Santiago, Valparaiso and Zapallar; [II] at Casablanca, Isla de Maipo, Melipilla, Puente Alto, Quillota and Talagante. After GUC.
IDC Error ellipse: s-maj=16.8km s-min=9.6km az=83.0.
GUC X 27 17 44 03.4–.43 23.47S 67.25W 256–16 3.6L
¶604837142
GUC Error ellipse: s-maj=6.4km s-min=14.9km az=-1.0.
GUC X 27 19 22 48.1–.46 24.12S 67.55W 204–13 3.6L
¶604837143
GUC Error ellipse: s-maj=7.0km s-min=10.9km az=-1.0.
ISC X 29 23 48 03.4–2.4 29.29S–.05 69.56W–.05 115–20 20 1-2
ISCJB X 29 23 48 02.9–1.4 29.28S–.04 69.56W–.05 117–13 ¶604738640
GUC X 29 23 48 02.8–.57 29.28S 69.63W 114–13 3.1L
SJA X 29 23 48 03.1–.64 29.32S 69.53W 108–7 3.4L,3.3W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.8km az=142.4.

GUC Error ellipse: s-maj=2.9km s-min=11.9km az=-1.0.
SJA Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.
ISC X 31 20 28 08.9–1.3 31.72S–.04 70.47W–.05 12–11 21 1-4
ISCJB X 31 20 28 09.2–1.1 31.72S–.03 70.58W–.06 4–10 ¶604738690
GUC X 31 20 28 09.1–.44 31.72S 70.64W 33–7 2.3L
SJA X 31 20 28 14.5–.91 31.77S 70.10W 10–999 2.9W,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=161.4.
GUC Error ellipse: s-maj=1.2km s-min=10.5km az=-1.0.
SJA Error ellipse: s-maj=5.6km s-min=22.2km az=-1.0.
GUC X 31 20 43 17.5–.49 23.86S 67.45W 228–9 4.0L
¶604837175
GUC Error ellipse: s-maj=4.2km s-min=9.4km az=-1.0.
ISC XI 01 16 50 08.3–1.3 24.14S–.07 67.17W–.05 181 30 2-6
SJA XI 01 16 50 06.5–.41 24.12S 67.07W 205–6 3.0W,2.3L ¶604738705
ISCJB XI 01 16 50 08.4–.50 24.13S–.05 67.21W–.05 181 3.0W,2.3L
GUC XI 01 16 50 10.4–.39 23.87S 67.60W 224–5 3.5L,2.3L
ISC Event type ke.
SJA Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=33.3.
GUC Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
ISC XI 02 04 51 18.7–.97 24.22S–.08 67.52W–.07 200 21 2-147
GUC XI 02 04 51 18.3–.54 24.25S 67.90W 230–10 3.9L ¶602388702
ISCJB XI 02 04 51 19.4–.91 24.24S–.07 67.58W–.06 200 3.1b
IDC XI 02 04 51 23.7–2.0 23.85S 67.13W 230–21 3.6,3.1
ISC Event type ke.
GUC Error ellipse: s-maj=4.8km s-min=10.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=8.1km az=15.0.
IDC Error ellipse: s-maj=27.6km s-min=18.4km az=84.0.
ISC XI 03 06 59 11.8–1.3 24.04S–.07 67.2W–.20 219–18 34 2-147
SJA XI 03 06 59 09.4–.67 24.02S 66.90W 225–11 3.0W,2.9L ¶602388759
ISCJB XI 03 06 59 10.6–.48 24.10S–.05 67.09W–.06 209–7 3.1b,2.9L
IDC XI 03 06 59 11.8–3.1 24.01S 67.00W 205–26 3.8,3.4
GUC XI 03 06 59 13.0–.50 24.01S 67.69W 245–13 4.3L,3.4
ISC Event type ke.
SJA Error ellipse: s-maj=3.9km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.6km az=146.1.
IDC Error ellipse: s-maj=27.7km s-min=20.1km az=27.0.
GUC Error ellipse: s-maj=5.8km s-min=14.5km az=-1.0.
ISC XI 03 10 09 56.4–1.7 30.72S–.03 70.86W–.05 16–11 35 0-5
SJA XI 03 10 09 54.8–1.0 30.70S 70.99W 33–5 3.2W,2.8L ¶604738741
GUC XI 03 10 09 55.1–.61 30.71S 70.75W 76–4 3.1L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=3.9km s-min=7.9km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=8.4km az=-1.0.
ISC XI 06 13 36 54.9–2.0 30.96S–.04 70.16W–.05 106–17 20 1-2
GUC XI 06 13 36 53.2–.66 30.93S 70.26W 118–13 2.8L ¶604738820
ISCJB XI 06 13 36 54.4–1.2 30.96S–.03 70.16W–.06 111–12 2.8L
SJA XI 06 13 36 54.2–.52 30.99S 70.20W 89–12 3.2W,2.5L
ISC Event type ke.
GUC Error ellipse: s-maj=1.8km s-min=20.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.7km az=177.2.
SJA Error ellipse: s-maj=1.6km s-min=10.0km az=-1.0.
GUC XI 06 14 37 56.4–.48 23.91S 67.46W 219–10 3.9L
¶604837227
GUC Error ellipse: s-maj=4.3km s-min=8.9km az=-1.0.
ISC XI 07 22 06 10.0–.64 24.03S–.06 67.13W–.06 181 3.6b 37 2-147
ISCJB XI 07 22 06 08.5–.54 24.07S–.05 67.13W–.04 181 3.6b ¶602388995
IDC XI 07 22 06 10.8–3.3 24.05S 66.87W 186–27 4.0,3.7
GUC XI 07 22 06 11.8–.44 23.88S 67.66W 223–8 4.3L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=26.5.
IDC Error ellipse: s-maj=32.8km s-min=18.8km az=34.0.
GUC Error ellipse: s-maj=4.2km s-min=7.7km az=-1.0.
GUC XI 08 06 16 43.6–.52 23.77S 67.46W 232–6 3.5L
¶604837241
GUC Error ellipse: s-maj=5.1km s-min=7.7km az=-1.0.
ISC XI 10 08 35 06.4–1.0 24.03S–.09 67.07W–.06 178 27 2-77
ISCJB XI 10 08 35 06.7–.75 24.00S–.07 67.04W–.04 178 3.3b ¶602389142
IDC XI 10 08 35 08.0–1.7 23.93S 66.95W 172–23 3.9,3.5
GUC XI 10 08 35 09.3–.58 23.89S 67.69W 231–9 4.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.3km az=7.2.
IDC Error ellipse: s-maj=25.8km s-min=23.0km az=2.0.
GUC Error ellipse: s-maj=5.0km s-min=9.4km az=-1.0.
GUC XI 11 12 49 19.3–.42 24.17S 67.73W 226–10 3.7L
¶604837288
GUC Error ellipse: s-maj=6.2km s-min=11.5km az=-1.0.
GUC XI 12 14 42 06.8–.46 23.78S 67.65W 234–15 3.5L
¶604837299
GUC Error ellipse: s-maj=6.8km s-min=14.8km az=-1.0.
ISC XI 13 01 41 55.6–2.4 32.32S–.07 70.32W–.07 91–21 23 1-2
SJA XI 13 01 41 52.4–.60 32.33S 70.48W 83–7 3.0W,2.4L ¶604738939
ISCJB XI 13 01 41 53.8–1.2 32.31S–.07 70.35W–.08 106–12 3.0W,2.4L
GUC XI 13 01 41 54.8–.38 32.31S 70.35W 98–10 2.6L,2.4L
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=5.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.7km az=136.9.
GUC Error ellipse: s-maj=6.2km s-min=10.7km az=-1.0.
ISC XI 13 01 45 00.9–.85 28.28S–.05 69.92W–.05 116–8 3.3b 32 1-151
SJA XI 13 01 44 58.3–.54 28.29S 69.85W 148–6 3.8W,3.5L ¶602389318
ISCJB XI 13 01 44 59.5–.50 28.27S–.04 69.91W–.06 122–7 3.3b,3.5L
GUC XI 13 01 45 00.6–.50 28.42S 69.88W 112–5 3.7L,3.5L
IDC XI 13 01 45 00.5–6.8 28.26S 69.74W 108–51 3.6,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=6.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.7km az=7.2.
GUC Error ellipse: s-maj=5.0km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=53.4km s-min=35.0km az=27.0.
ISC XI 13 13 51 02.0–.85 28.28S–.05 69.50W–.05 120–8 29 1-151
IDC XI 13 13 50 55.1–10 28.75S 69.26W 58–90 3.9,3.7 ¶602389346
SJA XI 13 13 50 59.0–.50 28.22S 69.51W 143–5 4.0W,3.7L
ISCJB XI 13 13 51 00.8–.61 28.27S–.04 69.53W–.06 129–7 3.4b,3.7L
GUC XI 13 13 51 02.3–.38 28.33S 69.52W 103–3 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=124.6km s-min=56.1km az=151.0.
SJA Error ellipse: s-maj=3.9km s-min=5.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.7km az=174.1.
GUC Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0.
ISC XI 14 08 45 21.0–1.1 33.46S–.03 70.00W–.02 4–10 46 0-4
GUC XI 14 08 45 20.5–.66 33.50S 70.06W 11–3 3.4L ¶604738968
SJA XI 14 08 45 21.1–.65 33.45S 70.04W 14–6 3.4W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
SJA Error ellipse: s-maj=4.4km s-min=1.7km az=-1.0.
GUC XI 15 10 19 25.9–.54 23.73S 67.65W 249–9 3.7L
¶604837324
GUC Error ellipse: s-maj=5.6km s-min=11.2km az=-1.0.
GUC XI 16 12 53 38.4–.52 23.61S 67.56W 262–10 3.5L
¶604837336
GUC Error ellipse: s-maj=4.8km s-min=12.4km az=-1.0.
GUC XI 18 17 25 39.1–.44 23.95S 67.23W 208–9 3.7L
¶604837359
GUC Error ellipse: s-maj=2.9km s-min=8.0km az=-1.0.
GUC XI 18 18 01 41.0–.54 23.92S 67.30W 229–10 3.5L
¶604837360
GUC Error ellipse: s-maj=7.5km s-min=8.9km az=-1.0.
GUC XI 20 23 03 36.6–.52 24.22S 67.45W 194–11 3.7L
¶604837397
GUC Error ellipse: s-maj=3.4km s-min=9.2km az=-1.0.
GUC XI 21 04 34 37.7–.48 23.72S 67.34W 235–7 3.8L

¶601993346
GUC Error ellipse: s-maj=2.7km s-min=7.6km az=-1.0.
ISC XI 21 07 01 28.6–2.6 35.0S–.10 70.2W–.10 157–21 22 1-5
ISCJB XI 21 07 01 30.1–1.2 34.9S–.10 70.3W–.20 154–18 ¶604740188
GUC XI 21 07 01 30.7–.48 34.91S 70.27W 148–8 3.2L
SJA XI 21 07 01 31.4–.52 34.86S 69.87W 150–14 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.6km s-min=10.1km az=35.9.
GUC Error ellipse: s-maj=5.0km s-min=8.4km az=-1.0.
SJA Error ellipse: s-maj=5.9km s-min=15.1km az=-1.0.
ISC XI 21 10 30 10.7–1.8 30.22S–.05 70.57W–.05 101–12 25 0-4
ISCJB XI 21 10 30 09.9–.97 30.23S–.04 70.58W–.05 107–8 ¶604740190
GUC XI 21 10 30 09.3–.55 30.24S 70.35W 92–7 3.5L
SJA XI 21 10 30 10.8–.64 30.24S 70.49W 93–4 3.6W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=7.1km az=142.5.
GUC Error ellipse: s-maj=2.1km s-min=11.4km az=-1.0.
SJA Error ellipse: s-maj=3.1km s-min=2.9km az=-1.0.
GUC XI 23 03 28 08.6–.51 23.95S 67.64W 212–6 3.6L
¶604837435
GUC Error ellipse: s-maj=4.6km s-min=7.3km az=-1.0.
ISC XI 23 03 47 05.6–1.4 30.16S–.04 69.36W–.05 19–3 19 0-5
SJA XI 23 03 47 04.4–.76 30.18S 69.31W 18–4 3.6W,3.1L ¶604740220
ISCJB XI 23 03 47 05.3–.77 30.12S–.04 69.35W–.05 15–8 3.6W,3.1L
GUC XI 23 03 47 06.4–.67 30.11S 69.53W 34–14 3.4L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.6km az=144.5.
GUC Error ellipse: s-maj=2.5km s-min=3.7km az=-1.0.
ISC XI 23 08 56 06.5–.87 24.10S–.06 67.16W–.04 176–8 40 2-147
ISCJB XI 23 08 56 05.5–.52 24.14S–.05 67.22W–.03 185–5 3.7b ¶602389870
SJA XI 23 08 56 05.1–.49 24.20S 67.20W 181–11 3.0L,2.9W
IDC XI 23 08 56 05.8–1.5 24.09S 66.93W 159–14 3.9,3.7b
GUC XI 23 08 56 07.1–.74 23.99S 67.52W 218–12 4.1L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=16.9.
SJA Error ellipse: s-maj=2.7km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=16.2km az=9.0.
GUC Error ellipse: s-maj=4.5km s-min=11.2km az=-1.0.
GUC XI 23 15 21 16.9–.56 34.38S 70.77W 89–6 3.6L
¶604837448
GUC Error ellipse: s-maj=2.6km s-min=4.3km az=-1.0.
ISC XI 24 01 19 24.7–.64 23.82S–.03 67.87W–.05 102–5 4.8b 571 2-170
ISCJB XI 24 01 19 23.6–.40 23.69S–.02 67.76W–.04 106–3 4.8b ¶601994046
MOS XI 24 01 19 24.8–1.2 23.76S 67.93W 112 5.0b
NEIC XI 24 01 19 24.8–.30 23.81S 67.82W 104–2 4.9L,4.8b
BJI XI 24 01 19 25.8 23.80S 67.80W 103 4.9L,4.8b
IDC XI 24 01 19 26.9–.83 23.68S 67.78W 119–7 4.9,4.6
GUC XI 24 01 19 26.5–1.4 23.75S 68.32W 151–15 4.9L,4.6
GCMT XI 24 01 19 30.8–.40 23.71S–.03 68.06W–.03 150–4 4.9W,4.6
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at San Pedro de Atacama.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s64,c85;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.33±.12 $M_{\theta\theta}$0.85±.16; $M_{\phi\phi}$1.48±.21; $M_{r\theta}$0.25±.10; $M_{\theta\phi}$-1.98±.14; $M_{\phi r}$-1.43±.12; Best double couple: NP1:ϕ_s337.00000°,δ60.00000°,λ-68.00000°. NP2:ϕ_s119.00000°,δ36.00000°,λ-123.00000°. Principal axes: T 3.4490,Plg12.0000° ,Azm52.0000°; N -0.5850,Plg19.0000°,Azm146.0000°; P -2.8580,Plg67.0000° ,Azm290.0000° $M_0$3.15400×10^{16}
GUC XI 25 18 46 51.6–.47 23.92S 67.61W 221–12 3.5L
¶604837470
GUC Error ellipse: s-maj=4.9km s-min=13.8km az=-1.0.
ISC XI 26 23 21 00.5–2.7 32.66S–.07 70.05W–.05 111–22 23 1-2
ISCJB XI 26 23 20 59.8–1.2 32.66S–.07 70.04W–.05 116–10 ¶604740281
GUC XI 26 23 20 59.5–.50 32.47S 69.94W 79–17 2.8L
SJA XI 26 23 20 59.5–.78 32.65S 70.04W 110–6 3.3W,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.8km az=153.7.
GUC Error ellipse: s-maj=8.6km s-min=8.3km az=-1.0.
SJA Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.
ISC XI 27 01 37 08.3–1.5 33.67S–.05 70.33W–.05 103–9 34 0-4
SJA XI 27 01 37 06.4–.79 33.66S 70.34W 115–5 3.1W,2.5L ¶604740326
ISCJB XI 27 01 37 07.4–.73 33.65S–.05 70.32W–.05 112–6 3.1W,2.5L
GUC XI 27 01 37 07.5–.63 33.63S 70.31W 102–3 2.8L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=7.1km az=153.5.
GUC Error ellipse: s-maj=2.6km s-min=5.7km az=-1.0.
ISC XI 27 23 30 53.7–1.7 32.15S–.04 70.06W–.04 118–12 37 1-4
ISCJB XI 27 23 30 53.3–.74 32.14S–.03 70.05W–.04 121–7 ¶604740350
SJA XI 27 23 30 53.5–.59 32.09S 70.10W 104–4 3.4W,3.1L
GUC XI 27 23 30 53.9–.56 32.17S 70.20W 113–10 3.0L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=27.1.
SJA Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=11.5km az=-1.0.
GUC XII 01 04 52 26.6–.55 24.13S 67.54W 214–10 3.5L
¶604837546
GUC Error ellipse: s-maj=2.7km s-min=9.5km az=-1.0.
ISC XII 02 10 32 02.9–.75 23.26S–.04 67.26W–.04 172–7 4.0b 91 2-146
ISCJB XII 02 10 32 02.2–.36 23.28S–.03 67.30W–.03 179–4 3.7b ¶602042882
SJA XII 02 10 32 02.5–1.2 23.27S 67.23W 175–10 3.1L,2.7W
IDC XII 02 10 32 02.4–1.4 23.17S 67.08W 159–17 4.0,3.6
GUC XII 02 10 32 04.8–.57 23.24S 67.59W 184–6 3.7L,3.6
NEIC XII 02 10 32 04.0–.00 23.25S 67.57W 181 4.1b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=178.7.
SJA Error ellipse: s-maj=5.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=18.3km az=129.0.
GUC Error ellipse: s-maj=4.6km s-min=5.9km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 02 11 15 39.0–.78 23.94S–.05 67.11W–.04 188–7 3.2b 63 2-132
ISCJB XII 02 11 15 38.6–.43 23.95S–.04 67.17W–.04 194–5 3.0b ¶602390348
SJA XII 02 11 15 38.4–1.3 23.99S 67.12W 192–15 3.1W,2.9L
IDC XII 02 11 15 39.6–1.5 23.81S 66.98W 184–13 3.8,3.5
GUC XII 02 11 15 40.5–.54 23.97S 67.52W 205–8 4.1L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=27.9.
SJA Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=15.5km az=155.0.
GUC Error ellipse: s-maj=2.7km s-min=6.8km az=-1.0.
ISC XII 02 12 48 58.5–1.3 23.11S–.04 67.07W–.03 15–11 47 2-4
SJA XII 02 12 48 51.7–.88 23.10S 66.76W 216–10 3.2W,3.0L ¶604740449
GUC XII 02 12 48 53.2–.52 22.97S 67.36W 255–8 4.0L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=8.7km az=-1.0.
ISC XII 02 19 18 27.2–1.9 31.62S–.04 70.21W–.05 117–16 26 1-3
ISCJB XII 02 19 18 26.9–.96 31.62S–.04 70.20W–.05 119–10 ¶604740456
GUC XII 02 19 18 26.5–.59 31.64S 70.17W 100–15 3.0L
SJA XII 02 19 18 27.1–.94 31.58S 70.20W 103–10 3.3W,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.1km az=150.2.
GUC Error ellipse: s-maj=1.7km s-min=17.2km az=-1.0.
SJA Error ellipse: s-maj=3.7km s-min=5.5km az=-1.0.
GUC XII 03 08 22 36.8–.46 23.57S 67.59W 238–8 3.5L
¶604837573
GUC Error ellipse: s-maj=2.4km s-min=11.4km az=-1.0.
ISC XII 03 12 00 32.2–1.6 33.61S–.05 70.75W–.06 80–9 23 0-2
SJA XII 03 12 00 27.5–.69 33.65S 70.93W 107–6 3.3W,2.6L ¶604740472
GUC XII 03 12 00 29.8–.63 33.54S 70.67W 91–4 3.6L,2.6L
ISCJB XII 03 12 00 31.1–.92 33.63S–.05 70.75W–.07 88–7 3.6L,2.6L
ISC Event type ke.
ISCJB Event type ke.
GUC XII 05 00 12 53.9–.55 23.72S 67.40W 231–9 3.7L
¶604837596
GUC Error ellipse: s-maj=3.2km s-min=10.6km az=-1.0.
ISC XII 05 12 22 10.8–1.7 25.93S–.04 68.8W–.10 149–20 20 1-6
SJA XII 05 12 22 02.1–.50 25.57S 68.35W 228–19 3.1W,2.8L ¶604740913
ISCJB XII 05 12 22 09.7–.84 25.97S–.04 68.6W–.10 140–20 3.1W,2.8L
GUC XII 05 12 22 10.3–.36 25.96S 68.65W 136–5 3.2L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=11.6km s-min=18.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=5.9km az=0.5.
GUC Error ellipse: s-maj=1.3km s-min=5.6km az=-1.0.
SJA XII 06 18 58 17.1–.75 31.72S 70.29W 10–12 2.8W,1.9L
¶604740941
SJA Error ellipse: s-maj=3.7km s-min=7.8km az=-1.0.
GUC XII 07 00 23 17.6–.39 23.96S 67.14W 160 3.6L
¶604837615
GUC Error ellipse: s-maj=5.6km s-min=3.5km az=-1.0.
ISC XII 08 23 30 11.0–1.7 32.81S–.05 70.60W–.05 93–11 39 0-4
SJA XII 08 23 30 07.3–.54 32.89S 70.68W 114–3 3.5W,3.4L ¶604740975
ISCJB XII 08 23 30 09.2–.82 32.84S–.04 70.63W–.05 109–6 3.5W,3.4L
GUC XII 08 23 30 11.2–.61 32.78S 70.51W 90–5 3.5L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=23.7.
GUC Error ellipse: s-maj=2.6km s-min=6.7km az=-1.0.
ISC XII 09 19 02 17.2–1.2 31.71S–.03 70.56W–.04 13–13 20 1-2
GUC XII 09 19 02 17.2–.65 31.72S 70.58W 22–6 2.1L ¶604740995
SJA XII 09 19 02 17.3–.76 31.70S 70.54W 10–11 2.8W,2.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=7.2km az=-1.0.
SJA Error ellipse: s-maj=3.1km s-min=4.7km az=-1.0.
ISC XII 10 04 49 24.0–1.8 28.12S–.06 69.14W–.04 120–15 21 1-3
ISCJB XII 10 04 49 23.9–1.0 28.14S–.06 69.12W–.04 118–12 ¶604741002
GUC XII 10 04 49 24.0–.60 28.17S 69.17W 108–6 3.5L
SJA XII 10 04 49 24.5–.45 28.18S 68.99W 127–3 3.4W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.4km az=1.7.
GUC Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=3.0km az=-1.0.
ISC XII 10 12 11 10.6–.82 24.28S–.06 67.06W–.04 188–8 45 1-147
ISCJB XII 10 12 11 10.3–.49 24.29S–.05 67.07W–.04 193–6 3.2b ¶602390982
IDC XII 10 12 11 11.8–1.8 24.25S 66.90W 181–17 3.6,3.2
SJA XII 10 12 11 11.1–.67 24.35S 67.06W 181–6 3.4W,3.1L
GUC XII 10 12 11 13.1–.42 24.30S 67.43W 220–11 4.2L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=23.9.
IDC Error ellipse: s-maj=27.2km s-min=23.1km az=177.0.
SJA Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0.
GUC Error ellipse: s-maj=4.1km s-min=8.2km az=-1.0.
GUC XII 11 01 38 11.8–.54 23.85S 67.47W 260–11 3.5L
¶604837650
GUC Error ellipse: s-maj=4.5km s-min=11.7km az=-1.0.
ISC XII 11 08 55 53.2–.76 24.13S–.06 67.02W–.04 191–7 3.6b 50 2-147
ISCJB XII 11 08 55 52.7–.39 24.13S–.04 67.04W–.04 192–4 3.5b ¶602035440
SJA XII 11 08 55 52.6–.71 24.18S 67.00W 196–6 3.1W,2.7L
IDC XII 11 08 55 53.4–1.5 24.07S 66.90W 183–17 4.0,3.6
GUC XII 11 08 55 55.1–.44 23.90S 67.47W 227–6 4.5L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=35.1.
SJA Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=15.3km az=119.0.
GUC Error ellipse: s-maj=4.2km s-min=6.6km az=-1.0.
GUC XII 12 06 14 13.6–.53 24.04S 67.59W 218–7 3.6L
¶604837674
GUC Error ellipse: s-maj=4.9km s-min=6.7km az=-1.0.
GUC XII 12 11 30 05.0–.42 23.82S 67.28W 241–9 3.5L
¶604837675
GUC Error ellipse: s-maj=4.6km s-min=8.1km az=-1.0.
ISC XII 12 19 31 56.0–1.2 32.36S–.03 70.54W–.03 15–10 38 1-4
GUC XII 12 19 31 56.7–.81 32.34S 70.65W 21–13 2.7L ¶604741051
SJA XII 12 19 31 57.6–.67 32.35S 70.39W 6–4 3.2W,2.9L
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=10.1km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
GUC XII 14 17 36 38.0–.48 23.70S 67.36W 225–11 3.5L
¶604837697
GUC Error ellipse: s-maj=4.4km s-min=10.2km az=-1.0.
ISC XII 15 07 36 12.0–1.3 24.14S–.07 67.5W–.20 212–19 21 2-77
ISCJB XII 15 07 36 12.7–1.0 24.10S–.06 67.7W–.20 227–15 2.9b ¶602391370
GUC XII 15 07 36 12.4–.44 24.18S 67.66W 209–7 3.6L
IDC XII 15 07 36 13.7–2.3 23.86S 67.03W 182–42 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.5km s-min=9.3km az=11.0.
GUC Error ellipse: s-maj=2.4km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=53.8km s-min=24.2km az=107.0.
ISC XII 15 11 55 38.4–1.4 24.13S–.07 67.02W–.05 181 32 1-4
SJA XII 15 11 55 37.6–.78 24.26S 67.03W 183–14 2.9L ¶604741092
ISCJB XII 15 11 55 38.7–.60 24.11S–.06 67.05W–.05 181 2.9L
GUC XII 15 11 55 38.5–.44 24.03S 67.12W 172–19 4.0L
ISC Event type ke.
SJA Error ellipse: s-maj=10.3km s-min=4.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=23.1.
GUC Error ellipse: s-maj=2.7km s-min=12.8km az=-1.0.
ISC XII 15 23 46 21.2–.68 24.04S–.04 67.06W–.03 193–7 3.8b 95 2-147
ISCJB XII 15 23 46 20.4–.30 24.06S–.02 67.08W–.03 199–4 3.7b ¶602043778
NEIC XII 15 23 46 20.6–.40 24.11S 67.02W 196–12 4.3b,4.2L
SJA XII 15 23 46 21.0–.89 24.07S 67.05W 196–6 3.6W,3.1L
IDC XII 15 23 46 21.3–1.2 23.98S 66.90W 181–15 4.2,3.7
GUC XII 15 23 46 23.0–.54 24.03S 67.11W 163–88 4.2L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=142.9.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.4km az=100.0.
SJA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=19.8km s-min=16.2km az=139.0.
GUC Error ellipse: s-maj=3.9km s-min=57.6km az=-1.0.
GUC XII 16 04 59 28.5–.66 24.13S 67.55W 172–8 3.5L
¶604837711
GUC Error ellipse: s-maj=2.9km s-min=7.9km az=-1.0.
ISC XII 17 05 24 08.6–2.4 33.12S–.07 70.25W–.07 116–16 27 0-4
ISCJB XII 17 05 24 09.1–1.1 33.10S–.05 70.21W–.06 112–8 ¶604741118
SJA XII 17 05 24 09.4–.72 33.03S 70.27W 102–5 3.2W,2.4L
GUC XII 17 05 24 09.8–.69 32.96S 70.17W 99–8 3.3L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.2km az=136.1.
SJA Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=8.2km s-min=10.7km az=-1.0.
ISC XII 20 06 16 31.2–1.1 31.75S–.02 70.60W–.04 6–8 4.7b 83 1-154
IDC XII 20 06 16 30.5–.88 31.75S 70.56W 0 4.1,4.0L ¶602355655
ISCJB XII 20 06 16 31.5–.77 31.72S–.02 70.66W–.04 11–5 4.4b,4.0L
GUC XII 20 06 16 32.4–.70 31.75S 70.74W 21–10 3.8L,4.0L
SJA XII 20 06 16 32.0–1.0 31.83S 70.49W 10–10 3.6L,3.5W
NEIC XII 20 06 16 32.0–.00 31.75S 70.74W 21 4.5b,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=21.7km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=177.4.
GUC Error ellipse: s-maj=1.2km s-min=7.6km az=-1.0.
SJA Error ellipse: s-maj=4.7km s-min=5.1km az=-1.0.

NEIC Event type se. After GUC.
GUC XII 21 21 56 42.2–.43 23.80S 67.50W 226–8 3.5L ¶604837762
GUC Error ellipse: s-maj=4.7km s-min=8.2km az=-1.0.
SJA XII 27 04 55 21.2–.41 28.75S 69.60W 137–16 4.0W,3.3L ¶604741309
SJA Error ellipse: s-maj=5.0km s-min=12.9km az=-1.0.
ISC XII 28 18 35 24.0–.66 33.29S–.04 70.62W–.06 97–5 3.6b 59 0-155
IDC XII 28 18 35 11.1–1.3 33.60S 70.63W 0 4.1,3.8 **¶602380749**
SJA XII 28 18 35 21.3–.78 33.40S 70.78W 113–7 4.2W,3.5L
ISCJB XII 28 18 35 23.3–.41 33.28S–.03 70.64W–.07 103–3 3.6b,3.5L
GUC XII 28 18 35 23.8–.55 33.28S 70.60W 100–2 4.2L,3.5L
NEIC XII 28 18 35 23.0–.00 33.28S 70.60W 100 4.2L,3.5L
ISC Event type fe.
IDC Error ellipse: s-maj=46.3km s-min=39.8km az=13.0.
SJA Error ellipse: s-maj=11.8km s-min=10.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.4km az=168.1.
GUC Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0.
NEIC Event type fe. Felt [II] at Los Andes. After GUC.
ISC XII 30 09 17 21.4–2.6 24.22S–.06 67.15W–.05 194–25 33 2-4
SJA XII 30 09 17 21.6–.64 24.22S 67.26W 170–28 3.2W,2.4L **¶604741419**
ISCJB XII 30 09 17 23.0–1.1 24.19S–.04 67.19W–.04 174–13 3.2W,2.4L
GUC XII 30 09 17 23.9–.55 24.02S 67.61W 223–6 3.8L,2.4L
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=17.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.1km az=26.3.
GUC Error ellipse: s-maj=4.0km s-min=6.6km az=-1.0.
GUC XII 30 18 58 31.9–.67 24.19S 67.60W 220–16 3.7L ¶604837842
GUC Error ellipse: s-maj=3.9km s-min=16.7km az=-1.0.
GUC XII 31 17 21 59.5–.55 24.15S 67.47W 198–8 3.6L ¶604837851
GUC Error ellipse: s-maj=2.9km s-min=7.2km az=-1.0.

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ISC VII 01 06 25 33.0–1.0 22.68S–.05 66.28W–.08 245 39 3-18
ISCJB VII 01 06 25 33.5–.72 22.70S–.04 66.28W–.06 245 **¶602540358**
NEIC VII 01 06 25 34.1–.60 22.67S 66.52W 295–19 4.5b
GUC VII 01 06 25 35.5–.39 22.53S 66.77W 274–13 4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=5.1.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=7.1km az=101.0.
GUC Error ellipse: s-maj=3.2km s-min=12.3km az=-1.0.
ISC VII 04 23 28 06.1–.60 23.36S–.05 66.96W–.06 200 3.8b 43 3-146
SJA VII 04 23 28 04.7–.62 23.32S 66.94W 206–22 3.6L,3.5W **¶601404587**
NEIC VII 04 23 28 04.8–.89 23.31S 66.87W 179–9 4.0b,3.5W
ISCJB VII 04 23 28 05.1–.38 23.34S–.03 66.97W–.04 200 3.8b,3.5W
IDC VII 04 23 28 06.7–2.2 23.23S 66.70W 193–21 4.0s,4.0
GUC VII 04 23 28 08.0–.53 23.10S 67.75W 265–28 4.3L,4.0
ISC Event type se.
SJA Error ellipse: s-maj=8.8km s-min=7.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=148.9.
IDC Error ellipse: s-maj=30.4km s-min=15.4km az=93.0.
GUC Error ellipse: s-maj=9.7km s-min=29.3km az=-1.0.
ISC VII 07 00 24 38.1–.86 23.75S–.06 66.99W–.08 174–12 3.6b 28 3-146
ISCJB VII 07 00 24 37.8–.60 23.75S–.05 67.05W–.08 187–11 3.7b **¶601663567**
IDC VII 07 00 24 39.0–2.2 23.71S 66.86W 178–22 3.8,3.5b
GUC VII 07 00 24 39.8–.54 23.79S 67.64W 229–27 4.0L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.9km az=20.8.
IDC Error ellipse: s-maj=28.3km s-min=17.4km az=91.0.
GUC Error ellipse: s-maj=4.8km s-min=21.3km az=-1.0.
SJA VII 14 09 38 39.3–.80 23.87S 64.56W 205–13 3.7L,3.6W ¶604383202
SJA Error ellipse: s-maj=4.1km s-min=29.9km az=-1.0.
GUC VII 22 10 49 53.6–.44 23.53S 66.85W 180–26 3.7L ¶604836383
GUC Error ellipse: s-maj=3.0km s-min=13.1km az=-1.0.
ISC VII 28 04 36 22.9–.85 23.80S–.08 66.7W–.10 195 3.8b 13 8-146
ISCJB VII 28 04 36 21.4–.81 23.87S–.06 66.8W–.10 195 3.7b **¶601666557**
IDC VII 28 04 36 21.9–2.2 23.84S 66.82W 184–21 3.9,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=8.1km az=1.8.
IDC Error ellipse: s-maj=23.4km s-min=17.0km az=92.0.
ISC VIII 02 00 00 52.9–.69 23.83S–.06 66.54W–.06 196 3.8b 34 3-146
ISCJB VIII 02 00 00 52.3–.53 23.87S–.05 66.53W–.04 196 3.7b **¶601503291**
IDC VIII 02 00 00 54.1–1.9 23.76S 66.46W 210–18 4.0,3.6b
GUC VIII 02 00 00 55.6–.42 23.59S 67.31W 274–11 4.8L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=20.5.
IDC Error ellipse: s-maj=21.6km s-min=14.5km az=102.0.
GUC Error ellipse: s-maj=5.0km s-min=10.5km az=-1.0.
ISC VIII 03 01 06 01.2–.53 22.98S–.04 66.29W–.06 250 3.9b 91 3-145
SJA VIII 03 01 06 00.2–.65 22.79S 66.13W 221–26 4.5L,3.9W **¶601513205**
ISCJB VIII 03 01 06 01.2–.34 22.96S–.02 66.32W–.03 250 3.8b,3.9W
NEIC VIII 03 01 06 01.7–.75 22.91S 66.17W 225–12 4.3b,3.9W
IDC VIII 03 01 06 02.7–1.6 22.78S 66.19W 241–18 4.2,3.6
GUC VIII 03 01 06 03.6–.37 22.77S 66.86W 280 4.9L,3.6
ISC Event type se.
SJA Error ellipse: s-maj=8.5km s-min=12.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=162.6.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=5.8km az=96.0.
IDC Error ellipse: s-maj=22.4km s-min=14.3km az=87.0.
GUC Error ellipse: s-maj=3.2km s-min=3.5km az=-1.0.
ISC VIII 07 22 16 30.4–.94 22.99S–.07 66.36W–.08 250 33 3-145
ISCJB VIII 07 22 16 30.9–.71 22.99S–.05 66.37W–.05 250 3.8b **¶601765628**
IDC VIII 07 22 16 31.6–2.3 22.92S 66.06W 247–23 3.8,3.4b
GUC VIII 07 22 16 32.8–.35 22.87S 66.79W 266–12 4.1L,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.2km az=149.2.
IDC Error ellipse: s-maj=31.3km s-min=21.1km az=98.0.
GUC Error ellipse: s-maj=3.2km s-min=10.5km az=-1.0.
ISC VIII 11 00 16 56.8–.40 23.92S–.04 66.69W–.05 195 4.3b 104 1-165
ISCJB VIII 11 00 16 55.6–.24 23.93S–.03 66.62W–.03 195 4.2b **¶601551770**
SJA VIII 11 00 16 56.4–.37 24.00S 66.75W 226–4 3.8W,3.2L
NEIC VIII 11 00 16 56.9–.41 23.95S 66.63W 195–4 4.5b,3.2L
IDC VIII 11 00 16 57.5–2.2 23.87S 66.58W 200–20 4.2,3.8
GUC VIII 11 00 16 59.4–.41 23.67S 67.31W 258–11 4.9L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=145.0.
SJA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=83.0.
IDC Error ellipse: s-maj=15.0km s-min=12.1km az=92.0.
GUC Error ellipse: s-maj=4.6km s-min=10.0km az=-1.0.
IDC VIII 13 01 37 56.8–2.3 23.36S 66.67W 280–32 3.8,3.2 ¶601765793
IDC Error ellipse: s-maj=34.1km s-min=17.7km az=119.0.
ISC VIII 19 19 05 22.7–2.9 22.9S–.10 66.91W–.06 220–25 25 1-3
SJA VIII 19 19 05 22.1–.55 22.94S 66.85W 228–8 3.1W,2.9L **¶603977283**
ISCJB VIII 19 19 05 24.4–1.2 22.91S–.10 66.97W–.05 203–13 3.1W,2.9L
GUC VIII 19 19 05 25.3–.51 22.83S 67.45W 245–8 3.7L,2.9L
ISC Event type ke.
SJA Error ellipse: s-maj=8.1km s-min=5.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.9km az=15.8.
GUC Error ellipse: s-maj=3.5km s-min=9.0km az=-1.0.
ISC VIII 22 11 07 44.0–1.3 23.68S–.07 66.95W–.05 196 29 1-4
ISCJB VIII 22 11 07 44.0–.52 23.67S–.07 66.98W–.04 196 **¶603977322**
GUC VIII 22 11 07 44.8–.47 23.46S 67.35W 239–6 4.2L
SJA VIII 22 11 07 44.2–.54 23.61S 66.84W 199–9 3.2W,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.5km az=20.5.
GUC Error ellipse: s-maj=4.2km s-min=6.7km az=-1.0.
SJA Error ellipse: s-maj=5.8km s-min=5.2km az=-1.0.
SJA VIII 23 12 49 09.1–.50 23.42S 64.68W 23–2 3.8W,3.5L ¶604392405
SJA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC VIII 29 06 27 28.4–.62 23.04S–.06 66.55W–.07 222 3.5b 34 1-146
SJA VIII 29 06 27 24.9–.78 23.10S 66.73W 242–7 3.9L,3.5W **¶601670365**
ISCJB VIII 29 06 27 27.3–.39 23.15S–.04 66.72W–.06 222 3.4b,3.5W
IDC VIII 29 06 27 28.1–2.0 23.09S 66.40W 212–19 3.8,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.6km az=163.8.
IDC Error ellipse: s-maj=21.8km s-min=12.9km az=69.0.
ISC IX 07 09 14 53.1–.81 23.96S–.05 66.84W–.06 200 36 2-146
ISCJB IX 07 09 14 52.9–.49 23.98S–.03 66.91W–.05 200 3.1b **¶601692020**
SJA IX 07 09 14 52.9–.72 23.96S 66.81W 201–16 2.8W,2.3L
GUC IX 07 09 14 55.5–.40 23.64S 67.50W 262–12 4.2L,2.3L
IDC IX 07 09 14 58.4–2.3 23.51S 66.52W 226–25 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=159.2.
SJA Error ellipse: s-maj=5.1km s-min=3.7km az=-1.0.
GUC Error ellipse: s-maj=4.7km s-min=11.4km az=-1.0.
IDC Error ellipse: s-maj=30.2km s-min=19.7km az=110.0.
ISC IX 07 21 57 41.9–.60 22.86S–.04 66.60W–.05 218–5 4.5b 229 1-166
SJA IX 07 21 57 40.5–.92 22.79S 66.60W 239–6 4.2L,3.8W **¶601695797**
ISCJB IX 07 21 57 41.4–.22 22.90S–.02 66.63W–.03 224–2 4.4b,3.8W
NEIC IX 07 21 57 41.2–.36 22.86S 66.43W 205–3 4.5b,3.8W
IDC IX 07 21 57 43.0–1.2 22.74S 66.31W 219–10 4.6,4.1
GUC IX 07 21 57 43.2–.52 22.75S 67.24W 269–10 5.2L,4.1
ISC Event type se.
SJA Error ellipse: s-maj=4.3km s-min=3.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=73.0.
IDC Error ellipse: s-maj=12.8km s-min=8.5km az=69.0.
GUC Error ellipse: s-maj=4.1km s-min=10.9km az=-1.0.
ISC IX 11 17 39 02.8–1.3 22.66S–.09 66.52W–.05 245 21 1-4
ISCJB IX 11 17 39 03.9–.57 22.61S–.09 66.47W–.06 245 **¶604392680**
SJA IX 11 17 39 04.0–.83 22.60S 66.42W 240–9 2.8W,2.8L
GUC IX 11 17 39 09.0–.43 22.67S 66.43W 111–173 3.6L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.4km az=23.0.
SJA Error ellipse: s-maj=5.7km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=6.6km s-min=42.5km az=-1.0.
ISC IX 13 05 45 07.4–1.2 23.79S–.06 66.87W–.04 200 28 1-4
SJA IX 13 05 45 05.1–.68 23.76S 66.74W 229–11 2.5W,2.5L **¶604392706**
ISCJB IX 13 05 45 07.5–.45 23.78S–.06 66.91W–.04 200 2.5W,2.5L
GUC IX 13 05 45 09.4–.30 23.56S 67.37W 244–9 3.7L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=14.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.0km az=23.8.
GUC Error ellipse: s-maj=3.2km s-min=8.1km az=-1.0.
ISC IX 13 19 32 47.4–.87 23.38S–.06 66.90W–.04 203–8 36 1-146
IDC IX 13 19 32 44.5–4.4 23.35S 66.64W 162–34 4.0,3.6 **¶601863479**
ISCJB IX 13 19 32 46.8–.50 23.37S–.05 66.92W–.04 209–6 3.4b,3.6
SJA IX 13 19 32 48.0–.97 23.39S 66.87W 194–11 3.2W,2.9L
GUC IX 13 19 32 49.6–.31 23.19S 67.51W 248–7 4.1L,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=71.9km s-min=30.0km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=30.3.
SJA Error ellipse: s-maj=4.7km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=3.5km s-min=7.0km az=-1.0.
ISC IX 14 16 43 49.9–.73 23.27S–.05 66.81W–.04 218–7 3.6b 52 1-146
IDC IX 14 16 43 48.6–3.3 23.10S 66.94W 200–30 4.0,3.5 **¶601863536**
ISCJB IX 14 16 43 49.3–.35 23.27S–.03 66.84W–.03 224–4 3.5b,3.5
SJA IX 14 16 43 49.2–.97 23.30S 66.75W 228–8 3.4W,3.2L
GUC IX 14 16 43 51.7–.52 23.25S 67.36W 251–9 4.2L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=19.3km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=29.5.
SJA Error ellipse: s-maj=4.9km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=4.6km s-min=9.1km az=-1.0.
ISC IX 21 02 15 28.5–2.2 23.71S–.05 64.16W–.07 1–13 22 1-145
ISCJB IX 21 02 15 27.4–1.8 23.72S–.04 64.08W–.05 4–13 3.5b,2.8s **¶601863935**
SJA IX 21 02 15 27.3–.55 23.70S 64.16W 16–2 4.2W,4.1L
IDC IX 21 02 15 34.3–6.9 23.55S 64.02W 29–43 3.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=6.4.
SJA Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=56.5km s-min=23.1km az=52.0.
ISC IX 23 13 06 23.5–1.0 22.84S–.07 66.83W–.08 250 25 2-146
ISCJB IX 23 13 06 24.4–.83 22.85S–.06 66.91W–.06 250 3.6b **¶601864037**
IDC IX 23 13 06 24.3–2.4 22.81S 66.48W 225–29 4.1,3.6
GUC IX 23 13 06 25.3–.33 22.75S 67.11W 247–20 4.2L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.9km az=18.4.
IDC Error ellipse: s-maj=35.2km s-min=20.6km az=102.0.
GUC Error ellipse: s-maj=4.9km s-min=15.0km az=-1.0.
ISC IX 27 01 36 30.3–.62 23.26S–.04 66.90W–.03 207–6 4.4b 97 1-170
BJI IX 27 01 36 27.0 23.20S 66.70W 170 4.4b **¶601742256**
SJA IX 27 01 36 28.6–.50 23.18S 66.84W 224–4 4.5W,3.4L
NEIC IX 27 01 36 29.6–.77 23.25S 66.71W 202–9 4.7b,4.6L
ISCJB IX 27 01 36 29.2–.24 23.27S–.02 66.92W–.03 217–2 4.3b,4.6L
IDC IX 27 01 36 29.8–2.5 23.19S 66.46W 191–21 4.2,3.8
GUC IX 27 01 36 32.5–.45 23.14S 67.33W 231–5 4.6L,3.8
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=6.5km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=143.3.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=43.0.
GUC Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0.
ISC IX 29 01 26 13.2–.65 23.89S–.04 66.82W–.04 206–6 4.2b 91 1-146
ISCJB IX 29 01 26 12.2–.27 23.92S–.03 66.88W–.03 210–2 4.0b **¶601767277**
NEIC IX 29 01 26 12.3–.50 23.95S 66.71W 193–5 4.4b
SJA IX 29 01 26 12.2–.60 23.88S 66.76W 221–6 3.7W,3.7L
GUC IX 29 01 26 15.8–.59 23.66S 67.46W 252–8 4.2L,3.7L
IDC IX 29 01 26 17.4–1.9 23.61S 66.39W 233–17 4.0,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=39.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=75.0.
SJA Error ellipse: s-maj=2.4km s-min=4.7km az=-1.0.
GUC Error ellipse: s-maj=5.7km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=13.8km az=44.0.
SJA IX 30 05 06 03.9–1.0 23.16S 64.36W 10–15 2.6W,1.8L ¶604393033
SJA Error ellipse: s-maj=5.6km s-min=5.0km az=-1.0.
SJA IX 30 05 16 52.3–.68 23.75S 64.48W 23–3 3.7W,3.2L ¶604393034
SJA Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0.
SJA IX 30 05 50 26.7–.64 23.75S 64.28W 12–4 3.6W,2.8L ¶604393037
SJA Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.
ISC X 08 16 47 21.9–.81 23.12S–.06 66.81W–.04 210–7 43 1-146
SJA X 08 16 47 20.2–.71 23.07S 66.74W 228–8 3.5W,3.3L **¶601997558**
ISCJB X 08 16 47 21.4–.50 23.13S–.04 66.83W–.04 216–5 3.3b,3.3L
IDC X 08 16 47 21.1–2.8 23.13S 66.72W 196–25 3.9,3.5
GUC X 08 16 47 23.7–.48 23.07S 67.41W 252–7 4.4L,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=4.1km s-min=4.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.8km az=24.1.
IDC Error ellipse: s-maj=28.1km s-min=23.8km az=60.0.

GUC Error ellipse: s-maj=4.0km s-min=8.0km az=-1.0.
ISC X 19 11 39 51.9–3.0 24.0S–.10 66.92W–.10 224–26 38 2-4
SJA X 19 11 39 51.8–1.0 24.00S 66.83W 215–11 3.1W,2.5L **¶604738410**
ISCJB X 19 11 39 53.6–1.2 24.02S–.06 66.93W–.05 192–15 3.1W,2.5L
GUC X 19 11 39 54.6–.47 23.78S 67.40W 246–9 3.7L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.9km az=32.3.
GUC Error ellipse: s-maj=5.5km s-min=9.6km az=-1.0.
ISC X 22 15 04 20.5–1.3 22.46S–.09 66.35W–.06 245 20 1-4
ISCJB X 22 15 04 20.9–.55 22.48S–.09 66.41W–.06 245 **¶604738475**
SJA X 22 15 04 20.1–.50 22.38S 66.30W 246–5 2.5W,2.5L
GUC X 22 15 04 22.9–.38 22.29S 67.07W 291–10 3.5L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.3km az=22.9.
SJA Error ellipse: s-maj=5.5km s-min=11.5km az=-1.0.
GUC Error ellipse: s-maj=5.0km s-min=11.3km az=-1.0.
SJA X 24 20 02 14.5–.46 23.98S 65.26W 5–2 3.6W,3.2L
¶604738530
SJA Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
ISC X 27 17 32 44.5–.73 23.70S–.05 66.71W–.04 215–6 3.7b 53 1-146
SJA X 27 17 32 42.4–.40 23.72S 66.65W 235–2 3.4W,3.0L **¶601999848**
ISCJB X 27 17 32 43.9–.46 23.74S–.04 66.74W–.03 217–4 3.5b,3.0L
IDC X 27 17 32 44.1–2.1 23.58S 66.27W 199–19 3.9,3.4
GUC X 27 17 32 45.9–.49 23.56S 67.28W 258–14 4.4L,3.4
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=25.3.
IDC Error ellipse: s-maj=24.5km s-min=16.4km az=64.0.
GUC Error ellipse: s-maj=7.5km s-min=11.6km az=-1.0.
ISC XI 01 12 02 00.2–.46 23.91S–.03 65.06W–.06 10 4.1b,3.7s 78 1-165
ISCJB XI 01 12 01 58.9–.34 23.94S–.03 64.84W–.05 10 3.9b,3.8s **¶601867657**
IDC XI 01 12 01 58.9–.70 23.83S 65.05W 0 4.4L,4.1
SJA XI 01 12 01 59.5–.69 23.94S 65.01W 10–44 4.4L,4.3W
NEIC XI 01 12 02 03.3–1.5 23.95S 64.96W 31–11 4.4,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=0.9.
IDC Error ellipse: s-maj=23.2km s-min=21.2km az=80.0.
SJA Error ellipse: s-maj=2.1km s-min=24.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.6km az=80.0. Felt [IV] in the epicentral area.
ISC XI 04 13 40 46.9–.55 22.58S–.06 66.21W–.05 251 69 1-145
ISCJB XI 04 13 40 46.8–.35 22.63S–.04 66.23W–.04 251 **¶601870080**
SJA XI 04 13 40 46.7–.89 22.59S 66.18W 258–6 4.2W,4.0L
GUC XI 04 13 40 47.7–.47 22.52S 66.63W 276–22 4.2L,4.0L
IDC XI 04 13 40 48.4–1.7 22.38S 65.89W 258–16 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=36.7.
SJA Error ellipse: s-maj=4.8km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=5.9km s-min=23.5km az=-1.0.
IDC Error ellipse: s-maj=16.3km s-min=12.7km az=63.0.
ISC XI 05 09 59 03.6–.67 23.87S–.05 66.93W–.05 200 4.0b 53 2-146
ISCJB XI 05 09 59 02.8–.35 23.89S–.03 66.93W–.04 200 3.9b **¶601871982**
SJA XI 05 09 59 02.6–.76 23.86S 66.87W 212–9 3.5W,3.5L
IDC XI 05 09 59 04.1–2.3 23.80S 66.69W 192–20 4.3,3.8
GUC XI 05 09 59 05.7–.41 23.67S 67.35W 227–9 4.4L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=136.7.
SJA Error ellipse: s-maj=3.7km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=24.0km s-min=17.8km az=79.0.
GUC Error ellipse: s-maj=3.7km s-min=8.3km az=-1.0.
ISC XI 08 12 25 38.7–.70 23.45S–.05 66.85W–.05 201–7 3.5b 70 1-155
SJA XI 08 12 25 37.3–.76 23.41S 66.82W 225–8 4.1L,3.8W **¶601881304**
NEIC XI 08 12 25 37.0–.00 23.41S 66.82W 225 4.1,3.8W
ISCJB XI 08 12 25 38.2–.35 23.49S–.03 66.94W–.04 208–4 3.4b,3.8W
IDC XI 08 12 25 38.5–1.2 23.45S 66.74W 189–10 3.9,3.7
GUC XI 08 12 25 40.7–.54 23.34S 67.42W 238–9 4.3L,3.7
ISC Event type se.
SJA Error ellipse: s-maj=6.1km s-min=4.4km az=-1.0.
NEIC Event type se. After SJA.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.4km az=141.2.
IDC Error ellipse: s-maj=23.8km s-min=14.9km az=16.0.
GUC Error ellipse: s-maj=4.0km s-min=9.0km az=-1.0.
ISC XI 12 09 08 49.1–1.0 23.93S–.05 66.72W–.05 200 29 1-146
SJA XI 12 09 08 48.5–.38 23.93S 66.68W 209–6 3.5W,3.0L **¶601888244**
ISCJB XI 12 09 08 49.1–.43 23.96S–.04 66.77W–.04 200 3.5W,3.0L
GUC XI 12 09 08 50.4–.41 23.69S 67.25W 254–10 3.9L,3.0L
IDC XI 12 09 08 51.2–11 23.82S 67.86W 228–166 3.7,3.2
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=43.5.
GUC Error ellipse: s-maj=4.8km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=760.1km s-min=20.7km az=96.0.
ISC XI 22 04 52 09.9–1.1 22.30S–.07 66.16W–.09 250 21 3-75
ISCJB XI 22 04 52 10.9–.91 22.32S–.06 66.22W–.07 250 3.1b **¶602389822**
IDC XI 22 04 52 10.1–1.5 22.24S 66.22W 263–27 3.5,3.0
GUC XI 22 04 52 11.9–.28 22.31S 66.61W 266–21 3.5L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.4km az=31.1.
IDC Error ellipse: s-maj=43.5km s-min=15.3km az=109.0.
GUC Error ellipse: s-maj=5.5km s-min=16.0km az=-1.0.
SJA XI 24 05 22 35.1–.34 23.82S 64.48W 30–1 3.6W,3.5L
¶604740239
SJA Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
ISC XII 01 18 39 38.2–.65 23.90S–.04 66.78W–.05 211–6 3.8b 92 1-170
ISCJB XII 01 18 39 37.5–.31 23.93S–.03 66.83W–.03 213–3 3.7b **¶601995676**
SJA XII 01 18 39 37.5–.62 23.91S 66.74W 220–5 4.1W,3.3L
NEIC XII 01 18 39 37.5–.62 23.99S 66.76W 208–14 4.5b,3.3L
IDC XII 01 18 39 38.5–1.1 23.80S 66.64W 202–9 4.0,3.7
GUC XII 01 18 39 39.4–.40 23.83S 66.81W 201–4 4.3L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.6km az=144.1.
SJA Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.5km az=92.0.
IDC Error ellipse: s-maj=18.4km s-min=12.6km az=20.0.
GUC Error ellipse: s-maj=3.9km s-min=2.6km az=-1.0.
ISC XII 02 11 21 01.0–.72 23.87S–.04 66.82W–.04 205–6 3.5b 80 1-146
SJA XII 02 11 20 58.8–.86 23.84S 66.75W 232–6 3.2W,3.1L **¶602390349**
ISCJB XII 02 11 21 00.3–.34 23.85S–.03 66.84W–.03 212–4 3.4b,3.1L
IDC XII 02 11 21 00.8–.99 23.77S 66.65W 198–9 3.9,3.5
GUC XII 02 11 21 01.7–.42 23.84S 67.29W 237–6 4.5L,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=36.7.
IDC Error ellipse: s-maj=18.1km s-min=13.8km az=26.0.
GUC Error ellipse: s-maj=2.4km s-min=6.1km az=-1.0.
ISC XII 10 20 26 38.7–2.4 22.44S–.06 66.38W–.06 260–20 43 1-4
SJA XII 10 20 26 37.6–1.0 22.49S 66.29W 285–8 2.9L,2.6W **¶604741015**
ISCJB XII 10 20 26 41.0–1.1 22.43S–.06 66.43W–.06 241–13 2.9L,2.6W
GUC XII 10 20 26 42.8–.51 22.35S 66.73W 266–17 3.6L,2.6W
ISC Event type ke.
SJA Error ellipse: s-maj=5.5km s-min=4.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=38.3.
GUC Error ellipse: s-maj=6.6km s-min=14.9km az=-1.0.
GUC XII 14 18 42 43.3–.41 22.40S 66.65W 250 3.7L
¶604837698
GUC Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
ISC XII 15 08 53 36.1–.64 23.99S–.04 66.81W–.05 206–6 4.0b 95 1-171
ISCJB XII 15 08 53 35.4–.27 23.97S–.03 66.82W–.03 212–3 3.9b **¶602043696**
NEIC XII 15 08 53 35.5–.37 23.96S 66.77W 198–7 4.5b
SJA XII 15 08 53 35.8–.52 23.98S 66.76W 215–4 4.4W,3.3L
IDC XII 15 08 53 36.2–1.0 23.89S 66.62W 198–8 4.1,3.7
GUC XII 15 08 53 37.6–.39 23.95S 67.18W 251–10 4.7L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=143.1.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.6km az=101.0.
SJA Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=12.5km az=24.0.
GUC Error ellipse: s-maj=5.3km s-min=8.8km az=-1.0.
ISC XII 21 12 24 08.8–.53 22.87S–.06 65.96W–.05 242 4.2b 65 1-154
IDC XII 21 12 24 09.3–1.8 22.91S 65.66W 254–15 4.2,3.7 **¶602055694**
SJA XII 21 12 24 09.3–.82 22.93S 65.95W 276–7 3.9W,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=25.0km s-min=16.1km az=20.0.
SJA Error ellipse: s-maj=5.1km s-min=6.4km az=-1.0.
ISC XII 23 22 35 21.7–1.2 24.0S–.10 66.7W–.10 195 9 2-146
ISCJB XII 23 22 35 20.2–1.3 24.1S–.10 66.7W–.10 195 3.1b **¶602391947**
IDC XII 23 22 35 21.3–2.3 23.95S 66.67W 188–20 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=12.1km az=33.5.
IDC Error ellipse: s-maj=33.6km s-min=25.0km az=163.0.
ISC XII 24 23 33 41.7–1.1 22.90S–.07 66.28W–.08 250 25 3-76
ISCJB XII 24 23 33 43.1–.79 22.90S–.05 66.37W–.06 250 3.4b **¶602392030**
IDC XII 24 23 33 44.6–2.6 22.73S 66.43W 278–39 3.9,3.3
GUC XII 24 23 33 45.3–.63 22.83S 66.74W 269–13 4.3L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.2km az=136.6.
IDC Error ellipse: s-maj=45.2km s-min=23.5km az=105.0.
GUC Error ellipse: s-maj=4.2km s-min=11.7km az=-1.0.
ISC XII 25 20 26 28.9–.65 23.79S–.04 66.97W–.04 182–6 4.6b 115 2-146
SJA XII 25 20 26 27.4–.53 23.81S 66.94W 217–8 3.7W,3.3L **¶602058477**
ISCJB XII 25 20 26 28.4–.25 23.82S–.02 66.99W–.03 193–2 4.5b,3.3L
NEIC XII 25 20 26 28.5–.54 23.84S 66.87W 176–6 4.7b,3.3L
IDC XII 25 20 26 29.1–1.1 23.68S 66.72W 174–10 4.1,3.7
GUC XII 25 20 26 30.7–.59 23.77S 67.46W 221–7 4.5L,3.7
ISC Event type se.
SJA Error ellipse: s-maj=4.1km s-min=7.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=148.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.2km az=88.0.
IDC Error ellipse: s-maj=15.2km s-min=12.6km az=156.0.
GUC Error ellipse: s-maj=2.8km s-min=7.3km az=-1.0.
ISC XII 28 07 34 13.9–.95 23.90S–.07 66.68W–.06 220–9 44 1-146
ISCJB XII 28 07 34 13.4–.59 23.93S–.05 66.71W–.05 222–7 3.2b **¶602380766**
SJA XII 28 07 34 13.5–.74 23.95S 66.63W 225–8 3.6W,3.1L
IDC XII 28 07 34 14.5–1.4 23.81S 66.54W 206–17 3.8,3.3
GUC XII 28 07 34 16.1–.44 23.68S 67.21W 255–9 4.1L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.9km az=33.3.
SJA Error ellipse: s-maj=3.6km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=20.1km az=16.0.
GUC Error ellipse: s-maj=3.8km s-min=9.1km az=-1.0.

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ISC VII 13 15 54 19.9–1.1 24.16S–.07 66.97W–.08 181 19 2-147
IDC VII 13 15 54 18.5–4.9 24.15S 66.34W 152–58 3.8,3.4 **¶601664534**
ISCJB VII 13 15 54 19.6–.96 24.19S–.06 66.97W–.07 181 3.6b,3.4
GUC VII 13 15 54 21.8–.44 24.13S 67.48W 217–9 4.2L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=92.2km s-min=28.8km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.8km az=14.6.
GUC Error ellipse: s-maj=2.5km s-min=9.2km az=-1.0.
ISC VIII 07 20 36 44.3–.52 22.57S–.05 63.87W–.06 35 4.5b,3.5s 71 2-154
SJA VIII 07 20 36 41.5–.87 22.61S 63.89W 69–28 4.2W,4.2L **¶601713624**
ISCJB VIII 07 20 36 42.5–.32 22.59S–.04 63.79W–.04 33 4.5b,3.6s
IDC VIII 07 20 36 44.3–4.8 22.52S 63.96W 29–34 4.1,4.1
NEIC VIII 07 20 36 44.5–1.7 22.54S 63.90W 30–11 4.6b,4.2
ISC Event type fe.
SJA Error ellipse: s-maj=6.6km s-min=14.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=37.1.
IDC Error ellipse: s-maj=22.6km s-min=16.2km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=7.3km az=217.0. Felt [III] in the epicentral area. Also felt at Tartagal.
ISC VIII 08 05 28 21.6–.75 24.13S–.05 65.13W–.10 35 4.1b 28 1-146
SJA VIII 08 05 28 17.4–.54 24.13S 64.89W 14–4 3.9W,3.9L **¶601741051**
ISCJB VIII 08 05 28 19.3–.48 24.03S–.04 65.04W–.07 33 4.0b,3.1s
NEIC VIII 08 05 28 21.1–2.3 24.00S 65.13W 34–18 3.9,3.8b
IDC VIII 08 05 28 22.5–4.0 23.94S 64.89W 35–30 4.1L,4.0
ISC Event type fe.
SJA Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.8km az=13.2.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=9.3km az=92.0. Felt [IV] at San Pedro and [III] at San Salvador de Jujuy.
IDC Error ellipse: s-maj=32.2km s-min=23.0km az=62.0.
ISC VIII 09 16 18 00.0–.91 24.06S–.06 66.92W–.08 181 28 2-147
IDC VIII 09 16 17 56.0–10 24.49S 66.37W 133–85 3.6,3.2 **¶601765707**
ISCJB VIII 09 16 18 02.3–1.1 24.05S–.05 67.11W–.08 181 3.2b,3.2
GUC VIII 09 16 18 03.4–.55 23.92S 67.74W 246–11 4.1L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=112.2km s-min=45.1km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.3km az=2.4.
GUC Error ellipse: s-maj=4.6km s-min=12.4km az=-1.0.
ISC IX 05 21 41 15.5–.83 24.06S–.07 66.96W–.07 181 34 2-147
ISCJB IX 05 21 41 15.2–.67 24.08S–.05 66.97W–.05 181 3.5b **¶601676708**
GUC IX 05 21 41 17.8–.55 23.87S 67.56W 238–9 4.4L
IDC IX 05 21 41 17.2–2.9 23.96S 66.84W 199–27 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.9km az=36.6.
GUC Error ellipse: s-maj=4.3km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=23.9km az=121.0.
ISC IX 13 05 10 43.9–.76 25.84S–.07 66.78W–.08 35 4.0b,3.8s 22 1-148
SJA IX 13 05 10 39.8–1.1 25.81S 66.87W 10–15 3.8W,3.7L **¶601863451**
ISCJB IX 13 05 10 42.6–.57 25.84S–.05 66.87W–.07 33 3.9b,3.8s
IDC IX 13 05 10 44.5–3.1 25.88S 66.75W 43–27 3.9,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=4.2km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.9km az=4.5.
IDC Error ellipse: s-maj=29.9km s-min=22.8km az=45.0.
SJA X 01 03 13 38.9–.64 24.12S 64.78W 21–2 2.7W,2.1L
¶604737989
SJA Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0.
ISC X 13 02 11 48.9–1.0 24.04S–.07 66.82W–.06 200 16 1-146
ISCJB X 13 02 11 49.0–.56 24.05S–.06 66.82W–.07 200 3.3b **¶601998074**
SJA X 13 02 11 48.0–.66 24.06S 66.79W 212–5 2.5W,2.5L
IDC X 13 02 11 54.2–10 23.61S 66.54W 236–79 3.5,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.9km az=141.8.
SJA Error ellipse: s-maj=2.9km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=125.0km s-min=77.2km az=43.0.
SJA X 17 06 13 14.2–.62 25.90S 65.31W 20–4 3.5W,3.1L
¶604738358
SJA Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
ISC X 22 12 50 33.8–2.5 24.02S–.06 66.93W–.05 221–21 37 1-4
SJA X 22 12 50 34.2–.64 24.04S 66.89W 218–5 2.9W,2.8L **¶604738473**
ISCJB X 22 12 50 36.0–1.1 24.03S–.05 67.00W–.04 196–11 2.9W,2.8L
GUC X 22 12 50 37.7–.50 23.90S 67.49W 236–10 4.0L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=23.3.
GUC Error ellipse: s-maj=4.5km s-min=9.4km az=-1.0.
ISC X 24 05 42 06.7–1.5 25.71S–.09 66.7W–.10 35 12 1-148
IDC X 24 05 41 58.5–2.8 26.01S 66.92W 0 3.5,3.3 **¶601999454**
SJA X 24 05 41 59.8–.55 25.77S 66.90W 7–6 4.0W,2.8L

ISCJB X 24 05 42 04.2–1.2 25.79S–.07 66.9W–.10 33 4.0W,2.8L
ISC Event type ke.
ISCJB Event type ke.
ISC X 24 22 05 50.5–.55 22.82S–.06 63.82W–.07 535 4.3b 59 1-163
SJA X 24 22 05 47.5–.83 23.09S 64.38W 576–7 4.4L,4.1W ¶601847459
ISCJB X 24 22 05 50.4–.37 22.78S–.04 63.76W–.05 535 4.1b,4.1W
NEIC X 24 22 05 50.6–.37 22.79S 63.74W 527–7 4.4,4.1W
IDC X 24 22 05 50.8–1.4 22.78S 63.67W 529–17 4.6,3.7
ISC Event type se.
SJA Error ellipse: s-maj=7.3km s-min=14.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=15.8.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=99.0.
IDC Error ellipse: s-maj=22.7km s-min=16.6km az=69.0.
ISC X 25 16 07 10.0–1.0 24.04S–.07 66.83W–.05 213–9 53 2-146
SJA X 25 16 07 07.6–.60 24.17S 66.77W 237–4 3.0W,2.8L ¶601999626
ISCJB X 25 16 07 09.0–.56 24.11S–.05 66.87W–.05 220–8 3.0b,2.8L
GUC X 25 16 07 12.5–.48 23.81S 67.41W 249–11 3.9L,2.8L
IDC X 25 16 07 15.9–10 23.57S 66.40W 228–74 3.7,3.1
ISC Event type ke.
SJA Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.2km az=42.3.
GUC Error ellipse: s-maj=4.8km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=115.6km s-min=36.1km az=25.0.
SJA X 26 17 56 51.7–.60 24.26S 64.42W 27–1 3.5W,3.1L
¶604738574
SJA Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
ISC XI 01 06 07 43.5–1.1 24.07S–.08 66.96W–.08 178 23 2-147
ISCJB XI 01 06 07 45.3–1.3 24.00S–.08 67.08W–.08 178 3.0b ¶602388664
GUC XI 01 06 07 46.0–.51 24.02S 67.69W 240–10 4.0L
IDC XI 01 06 07 50.9–3.4 23.56S 66.91W 243–27 3.4,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=9.6km az=149.6.
GUC Error ellipse: s-maj=4.5km s-min=10.3km az=-1.0.
IDC Error ellipse: s-maj=39.4km s-min=22.6km az=39.0.
ISC XI 18 13 58 09.1–.76 22.20S–.09 63.9W–.10 550 3.0b 22 1-143
SJA XI 18 13 57 58.7–.61 22.31S 64.12W 627–10 3.2L,2.6W ¶602389612
ISCJB XI 18 13 58 07.5–.56 22.20S–.07 63.8W–.10 550 3.1b,2.6W
IDC XI 18 13 58 07.4–.99 22.16S 63.67W 518–12 3.7,3.1
ISC Event type ke.
SJA Error ellipse: s-maj=10.5km s-min=24.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=9.2km az=167.7.
IDC Error ellipse: s-maj=18.1km s-min=16.3km az=68.0.
ISC XI 19 18 52 16.9–.79 24.01S–.05 66.74W–.06 204–8 41 1-146
SJA XI 19 18 52 15.8–.48 24.04S 66.80W 211–6 2.9W,2.9L ¶601993007
ISCJB XI 19 18 52 16.0–.46 24.05S–.04 66.77W–.04 211–5 3.5b,2.9L
IDC XI 19 18 52 16.7–1.3 23.95S 66.58W 195–14 3.8,3.4b
GUC XI 19 18 52 17.6–.50 23.98S 67.30W 244–9 4.2L,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=8.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.4km az=135.2.
IDC Error ellipse: s-maj=20.5km s-min=19.1km az=164.0.
GUC Error ellipse: s-maj=3.1km s-min=10.0km az=-1.0.
SJA XI 20 10 04 36.5–.42 24.27S 64.59W 27–2 3.6W,3.2L
¶604740167
SJA Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0.
ISC XI 20 10 45 50.9–1.1 24.61S–.03 65.37W–.06 8–8 24 0-132
SJA XI 20 10 45 50.9–.74 24.64S 65.35W 10 4.4W,3.7L ¶602389735
IDC XI 20 10 45 59.9–8.5 24.25S 65.06W 76–79 3.9,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=105.1km s-min=27.5km az=147.0.
ISC XI 22 13 07 11.9–.26 22.70S–.03 63.63W–.03 535–2 5.6b 2000 1-177
NEIC XI 22 13 07 05.0–.00 22.67S 63.70W 510 5.6b ¶601993726
SJA XI 22 13 07 05.6–.91 23.10S 64.11W 596–5 5.9L,5.7W
BJI XI 22 13 07 06.0 22.39S 63.35W 465 5.6b,5.7W
ISCJB XI 22 13 07 09.1–.22 22.62S–.02 63.60W–.02 509–2 5.5b,5.7W
NEIC XI 22 13 07 10.4–.25 22.74S 63.57W 517–2 6.0W,5.9
MOS XI 22 13 07 10.8–.94 22.74S 63.67W 533 5.8b,5.9
IDC XI 22 13 07 12.9–.29 22.70S 63.60W 542–3 6.1,5.3
GCMT XI 22 13 07 13.4–.10 22.86S–.01 63.69W–.01 544–0 5.9W,5.3
GUC XI 22 13 07 15.8–2.2 22.79S 63.97W 463–149 5.5W,5.3
ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.83 $M_{\theta\theta}$0.13 $M_{\phi\phi}$2.71 $M_{r\theta}$-2.25 $M_{\theta r}$4.98 $M_{\phi r}$6.09 Best double couple: NP1:ϕ_s178.00000° ,δ77.00000°,λ-128.00000°. NP2:ϕ_s72.00000°,δ41.00000°,λ-20.00000°. Principal axes: T 8.0000,Plg22.0000°,Azm296.0000°; N 1.1600,Plg37.0000°,Azm188.0000° ; P -9.1600,Plg43.0000°,Azm49.0000° $M_0$8.60000×10^{17}
SJA Error ellipse: s-maj=5.8km s-min=11.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=143.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=71.0. Felt [II] at Tocopilla, Chile. Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ36.00000°,λ-29.00000°. NP2:ϕ_s174.00000°,δ73.00000°,λ-123.00000°. Principal axes: T 1.1100,Plg22.0000° ,Azm289.0000°; N -0.1200,Plg31.0000°,Azm185.0000°; P -0.9800,Plg51.0000° ,Azm47.0000°
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=89.2.
IDC Error ellipse: s-maj=7.3km s-min=5.1km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s122,c241; s87,c101;Duration: 2s^2 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.22±.06 $M_{\theta\theta}$-0.56±.09; $M_{\phi\phi}$3.78±.11; $M_{r\theta}$-1.76±.09; $M_{\theta\phi}$5.33±.09; $M_{\theta r}$5.81±.09; Best double couple: NP1:ϕ_s177.00000°,δ76.00000°,λ-130.00000°. NP2:ϕ_s71.00000°,δ42.00000°,λ-22.00000°. Principal axes: T 8.7950,Plg20.0000° ,Azm296.0000°; N 0.0460,Plg39.0000°,Azm189.0000°; P -8.8400,Plg44.0000°,Azm47.0000° $M_0$8.81700×10^{17}
GUC Error ellipse: s-maj=17.8km s-min=86.4km az=-1.0.
ISC XII 05 09 12 26.2–.84 24.11S–.06 67.00W–.05 181 38 1-147
SJA XII 05 09 12 25.2–.44 24.16S 66.98W 202–14 3.4W,2.3L ¶602390490
IDC XII 05 09 12 25.8–3.2 24.21S 66.94W 186–25 3.6,3.2
ISCJB XII 05 09 12 26.8–.45 24.10S–.05 67.02W–.04 181 3.2b,3.2
GUC XII 05 09 12 27.2–.59 24.09S 67.49W 228–23 3.9L,3.2
ISC Event type ke.
SJA Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=52.2km s-min=23.0km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=36.3.
GUC Error ellipse: s-maj=4.4km s-min=24.9km az=-1.0.
ISC XII 20 15 00 18.4–.25 22.80S–.04 63.73W–.05 530 4.6b 738 1-166
SJA XII 20 15 00 11.9–.40 23.00S 63.94W 590–6 4.6W,4.4L ¶602052924
NEIC XII 20 15 00 17.6–.27 22.78S 63.61W 520–3 4.6b,4.4L
ISCJB XII 20 15 00 17.1–.12 22.73S–.02 63.67W–.02 530 4.6b,4.4L
MOS XII 20 15 00 18.4–1.3 22.77S 63.75W 534 4.4b,4.4L
IDC XII 20 15 00 18.3–.89 22.76S 63.58W 526–9 4.8,4.0
BJI XII 20 15 00 20.6 22.80S 63.70W 540 5.0b,4.0
ISC Event type se.
SJA Error ellipse: s-maj=6.8km s-min=8.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=18.3.
MOS Error ellipse: s-maj=11.8km s-min=8.0km az=105.3.
IDC Error ellipse: s-maj=12.4km s-min=8.8km az=61.0.
ISC XII 22 05 30 28.6–.45 25.88S–.04 66.76W–.04 10 4.2b,4.1s 99 1-170
GUC XII 22 05 30 14.9–.44 27.03S 66.53W 162–18 4.4L,4.1s ¶602056305
SJA XII 22 05 30 25.5–.77 25.81S 66.89W 4–7 4.2W,4.0L
ISCJB XII 22 05 30 27.3–.25 25.83S–.02 66.92W–.04 10 4.1b,4.1s
IDC XII 22 05 30 29.4–5.2 26.06S 66.84W 31–35 4.1,4.1s
NEIC XII 22 05 30 31.0–.74 25.86S 66.85W 36–7 4.2,4.2b
ISC Event type se.
GUC Error ellipse: s-maj=6.2km s-min=3.8km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=179.1.
IDC Error ellipse: s-maj=31.2km s-min=18.8km az=32.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.0km az=90.0.
ISC XII 22 15 36 14.9–.84 25.85S–.04 66.75W–.06 10 17 1-148
IDC XII 22 15 36 12.0–2.9 25.93S 66.83W 0 3.4,3.3 ¶602391875
SJA XII 22 15 36 14.7–1.1 25.88S 66.75W 3–17 3.5W,3.2L
ISCJB XII 22 15 36 17.1–.62 25.87S–.04 66.78W–.06 10 3.5W,3.2L
ISC Event type ke.
ISCJB Event type ke.

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SJA VII 14 06 11 39.5–.81 27.00S 66.00W 17–13 3.7W,3.6L
¶604383199
SJA Error ellipse: s-maj=5.2km s-min=9.4km az=-1.0.
ISC VII 20 07 57 46.9–1.3 27.92S–.06 66.76W–.05 164 25 1-4
SJA VII 20 07 57 44.3–.40 27.98S 66.60W 194–2 3.6W,3.2L ¶603976892
ISCJB VII 20 07 57 46.6–.72 27.93S–.06 66.80W–.05 164 3.6W,3.2L
GUC VII 20 07 57 46.3–.75 27.79S 66.83W 174–8 4.2L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.1km az=8.6.
GUC Error ellipse: s-maj=8.6km s-min=4.5km az=-1.0.
ISC VII 25 06 01 14.1–.35 28.06S–.03 66.70W–.04 166–3 4.7b 742 1-174
ISCJB VII 25 06 01 10.9–.32 27.97S–.02 66.59W–.03 145–3 4.6b ¶601467953
GCMT VII 25 06 01 11.5–.30 28.23S 66.53W 184–2 5.1W
SJA VII 25 06 01 11.9 28.11S 66.63W 183 5.2W,4.8L
NEIC VII 25 06 01 11.5–.36 28.03S 66.53W 140–3 4.6b,4.8L
MOS VII 25 06 01 11.3–1.0 28.01S 66.63W 145 4.7b,4.8L
GUC VII 25 06 01 13.3–.77 28.15S 66.74W 165–5 5.2W,5.2L
IDC VII 25 06 01 14.1–.46 27.96S 66.47W 162–3 4.9,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=152.6.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s28,c31; s96,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.99±.18 $M_{\theta\theta}$-0.58±.20; $M_{\phi\phi}$4.58±.23; $M_{r\theta}$3.10±.14; $M_{\theta\phi}$-2.98±.18; $M_{\theta r}$-0.44±.17; Best double couple: NP1:ϕ_s307.00000°,δ62.00000° ,λ-127.00000°. NP2:ϕ_s185.00000°,δ45.00000°,λ-41.00000°. Principal axes: T 6.2450,Plg10.0000°,Azm62.0000°; N -0.2770,Plg32.0000°,Azm326.0000° ; P -5.9610,Plg56.0000°,Azm168.0000° $M_0$6.10300×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.2km az=73.0.
MOS Error ellipse: s-maj=10.7km s-min=7.0km az=92.1.
GUC Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=12.4km s-min=9.4km az=77.0.
ISC VII 29 08 41 24.9–.71 27.88S–.05 66.73W–.06 164 3.9b 34 1-149
IDC VII 29 08 41 22.9–3.5 27.95S 66.83W 140–31 3.7,3.4b ¶601666619
ISCJB VII 29 08 41 24.8–.49 27.92S–.04 66.70W–.05 164 3.9b,3.4b
SJA VII 29 08 41 24.3–.93 27.94S 66.72W 184–5 3.4L,3.3W
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=23.4km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=44.9.
SJA Error ellipse: s-maj=4.2km s-min=3.2km az=-1.0.
ISC VIII 06 14 44 50.2–.73 28.86S–.05 66.51W–.04 18–3 4.0b 68 1-150
IDC VIII 06 14 44 50.8–.97 29.02S 66.37W 26–4 3.8,3.8L ¶601564304
SJA VIII 06 14 44 51.3–.63 28.88S 66.53W 44–999 3.9W,3.8L
NEIC VIII 06 14 44 51.4–2.0 28.88S 66.45W 32–14 4.0b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=37.3km s-min=26.6km az=5.0.
SJA Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s59.79000° ,δ84.00000°,λ87.99000°.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.9km az=121.0. Felt [IV] at San Blas de los Sauces and [III] at Catamarca.
SJA VIII 06 20 03 17.8–.68 27.50S 67.36W 154–6 3.5W,3.3L
¶604392178
SJA Error ellipse: s-maj=5.8km s-min=4.1km az=-1.0.
SJA VIII 14 21 50 24.7–.63 26.07S 66.09W 140–6 3.8L,3.6W
¶604392298
SJA Error ellipse: s-maj=5.9km s-min=5.3km az=-1.0.
ISC VIII 28 16 44 34.9–2.0 27.90S–.05 66.68W–.06 187–16 21 1-4
ISCJB VIII 28 16 44 36.3–1.2 27.95S–.05 66.74W–.06 174–12 ¶603977438
SJA VIII 28 16 44 36.5–.66 27.94S 66.63W 175–9 3.7W,3.4L
GUC VIII 28 16 44 38.8–.62 27.50S 66.78W 120–9 2.8L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.7km az=33.5.
SJA Error ellipse: s-maj=2.6km s-min=5.6km az=-1.0.
GUC Error ellipse: s-maj=5.2km s-min=2.6km az=-1.0.
ISC IX 07 03 03 01.2–.94 27.52S–.06 67.74W–.10 137 23 2-150
SJA IX 07 03 03 00.3–.62 27.50S 67.71W 149–8 3.1W,2.9L ¶601863092
ISCJB IX 07 03 03 01.5–.45 27.55S–.03 67.71W–.08 137 3.5b,2.9L
IDC IX 07 03 03 12.6–17 28.52S 66.75W 224–94 3.6,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=3.2km s-min=6.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.1km az=7.6.
IDC Error ellipse: s-maj=516.2km s-min=114.5km az=4.0.
ISC IX 09 21 29 51.1–.72 27.45S–.04 67.29W–.04 142–7 4.2b 111 2-154
ISCJB IX 09 21 29 51.2–.23 27.47S–.02 67.35W–.03 157–3 4.1b ¶601697115
SJA IX 09 21 29 51.7–1.1 27.49S 67.24W 162–10 4.4L,4.2W
IDC IX 09 21 29 51.2–2.9 27.37S 67.05W 132–24 4.1,3.8
GUC IX 09 21 29 52.6–.73 27.52S 67.28W 134–15 4.6L,3.8
NEIC IX 09 21 29 52.0–.00 27.49S 67.24W 162 4.4,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=9.9.
SJA Error ellipse: s-maj=3.9km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=20.7km s-min=15.3km az=66.0.
GUC Error ellipse: s-maj=5.5km s-min=2.7km az=-1.0.
NEIC Event type se. After SJA.
ISC IX 14 09 12 40.8–2.2 27.92S–.06 66.51W–.07 188–17 20 1-4
ISCJB IX 14 09 12 41.7–1.2 27.93S–.06 66.55W–.06 176–11 ¶604392742
SJA IX 14 09 12 41.1–.67 27.95S 66.45W 188–7 3.5W,3.4L
GUC IX 14 09 12 44.1–.60 27.82S 66.60W 154–8 3.9L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.6km az=150.6.
SJA Error ellipse: s-maj=3.8km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=4.1km s-min=3.2km az=-1.0.
ISC X 10 05 49 00.0–.83 27.99S–.07 66.44W–.08 167 20 2-149
SJA X 10 05 48 59.8–.68 27.99S 66.48W 182–5 3.7W,3.5L ¶601997719
ISCJB X 10 05 49 00.2–.52 27.99S–.05 66.40W–.08 167 3.1b,3.5L
IDC X 10 05 49 02.7–7.7 27.78S 66.25W 186–49 3.6,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=30.7.
IDC Error ellipse: s-maj=85.1km s-min=33.6km az=35.0.
ISC X 22 23 56 36.8–.83 27.89S–.06 66.69W–.09 170–7 29 2-149
SJA X 22 23 56 35.2–.54 27.90S 66.71W 188–3 3.5W,3.2L ¶601999320
ISCJB X 22 23 56 36.1–.46 27.91S–.05 66.71W–.10 176–5 3.6b,3.2L
IDC X 22 23 56 36.8–4.4 27.74S 66.39W 166–35 3.7,3.6b
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.3km az=23.5.
IDC Error ellipse: s-maj=44.4km s-min=32.7km az=62.0.
SJA X 24 21 03 37.7–.32 27.24S 66.44W 71–3 3.5W,3.5L
¶604738531
SJA Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.
ISC X 27 00 49 38.7–.50 27.78S–.04 66.79W–.04 167–4 4.5b 158 1-169
NEIC X 27 00 49 36.9–.39 27.81S 66.63W 144–3 4.5b,4.3W ¶601851734
ISCJB X 27 00 49 37.9–.23 27.84S–.02 66.78W–.03 170–2 4.5b,4.3W
SJA X 27 00 49 37.7–.60 27.87S 66.73W 182–3 4.4L,4.2W
GUC X 27 00 49 37.7–.76 27.89S 66.67W 136–64 4.3W,4.2W
IDC X 27 00 49 39.8–.58 27.75S 66.52W 172–5 4.7,4.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.6km az=86.0. Felt [II] at Copiapo and Tierra Amarilla, Chile.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=17.7.
SJA Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
GUC Error ellipse: s-maj=5.4km s-min=16.2km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=11.6km az=92.0.
SJA XI 05 07 39 03.2–1.1 27.54S 66.06W 12–10 3.5W,3.2L

¶604738794

SJA Error ellipse: s-maj=2.7km s-min=8.3km az=-1.0.
ISC XI 12 15 12 01.2–.83 27.99S–.05 66.90W–.07 170–7 26 1-149
SJA XI 12 15 11 59.0–.55 28.05S 66.77W 190–3 3.5L,3.3W ¶602389292
ISCJB XI 12 15 12 00.3–.64 28.06S–.05 66.82W–.08 176–6 3.5b,3.3W
IDC XI 12 15 12 06.1–3.7 27.63S 67.07W 191–29 3.6,3.5b
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.5km az=31.8.
IDC Error ellipse: s-maj=43.6km s-min=24.4km az=26.0.
SJA XI 20 19 14 39.3–.40 27.90S 67.34W 13–1 3.8W,3.8L

¶604740176

SJA Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
ISC XI 28 18 05 31.2–.46 27.89S–.04 66.61W–.04 174–4 4.8b 508 1-168
ISCJB XI 28 18 05 30.1–.21 27.91S–.02 66.52W–.04 178–2 4.7b ¶601995076
SJA XI 28 18 05 30.3–.99 28.00S 66.54W 187–4 4.8L,4.5W
NEIC XI 28 18 05 31.9–.24 27.98S 66.50W 177 4.8b,4.5W
IDC XI 28 18 05 32.1–.53 27.80S 66.33W 179–4 4.8,4.4
GUC XI 28 18 05 33.1–.72 27.91S 66.57W 159–9 4.7L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=12.5.
SJA Error ellipse: s-maj=2.7km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=87.0.
IDC Error ellipse: s-maj=15.1km s-min=9.9km az=67.0.
GUC Error ellipse: s-maj=4.6km s-min=4.6km az=-1.0.
ISC XII 11 11 42 29.9–.93 27.13S–.05 66.40W–.08 35 13 1-149
IDC XII 11 11 42 21.9–2.4 27.64S 66.72W 0 3.5,3.4 ¶602391086
SJA XII 11 11 42 26.0–.68 27.05S 66.34W 86–19 3.8W,3.8L
ISCJB XII 11 11 42 28.9–.61 27.12S–.04 66.38W–.08 33 3.8W,3.8L
ISC Event type ke.
ISCJB Event type ke.

(132) Santiago del Estero Province.

SJA VIII 29 03 40 45.8–1.0 28.63S 65.82W 29–2 3.5W,3.0L

¶604392486

SJA Error ellipse: s-maj=8.1km s-min=12.7km az=-1.0.
SJA XI 06 13 38 22.3–.74 28.38S 65.99W 36–4 3.6W,3.3L

¶604738821

SJA Error ellipse: s-maj=4.4km s-min=9.4km az=-1.0.
SJA XI 27 16 21 56.9–.75 27.71S 64.55W 33 3.7W,3.6L

¶604740342

SJA Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0.

(134) Off coast of central Chile.

SJA VII 03 01 05 06.3–.88 31.70S 72.07W 30 3.6W,2.9L

¶604404022

SJA Error ellipse: s-maj=6.8km s-min=6.8km az=-1.0.
SJA VII 18 13 29 16.5–.46 33.99S 72.69W 10 3.8W,3.1L

¶604383261

SJA Error ellipse: s-maj=1.4km s-min=6.8km az=-1.0.
SJA VII 18 13 38 06.0–.49 34.19S 73.24W 22–20 4.2W,3.6L

¶604383262

SJA Error ellipse: s-maj=2.3km s-min=24.9km az=-1.0.
SJA VII 20 03 40 49.6–.41 29.90S 72.90W 33–48 3.8W,3.0L

¶604391925

SJA Error ellipse: s-maj=7.1km s-min=14.0km az=-1.0.
ISC VII 22 18 31 40.2–2.1 33.80S–.05 72.63W–.10 15–12 28 1-6
GUC VII 22 18 31 44.4–.56 33.83S 72.32W 39–7 3.6L ¶603976926
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=5.0km az=-1.0.
ISC VII 29 10 49 18.2–2.1 33.54S–.05 72.01W–.08 6–13 29 1-6
SJA VII 29 10 49 17.6–.32 33.55S 72.14W 10 3.5L,3.3W ¶603977031
GUC VII 29 10 49 21.0–.62 33.51S 71.89W 33–209 3.2L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=11.3km az=-1.0.
GUC Error ellipse: s-maj=5.5km s-min=65.2km az=-1.0.
ISC VII 30 18 49 43.4–.65 35.71S–.04 74.23W–.08 35 4.4b,2.9s 56 1-159
IDC VII 30 18 49 38.2–.70 35.77S 74.25W 0 4.4L,4.3 ¶601650784
ISCJB VII 30 18 49 41.9–.56 35.74S–.03 74.16W–.06 33 4.2b,3.0s
GUC VII 30 18 49 41.9–.52 35.77S 74.08W 29–4 4.2L,3.0s
NEIC VII 30 18 49 44.6–1.8 35.77S 74.16W 44–14 4.8b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=16.6km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=16.2.
GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.1km az=96.0.
ISC VII 31 08 09 49.0–3.4 31.05S–.06 73.6W–.20 10 25 3-5
GUC VII 31 08 10 01.7–.79 31.22S 72.88W 26–22 3.6L ¶603977063
ISC Event type ke.
GUC Error ellipse: s-maj=5.9km s-min=21.5km az=-1.0.
GUC VII 31 23 38 31.7–.45 37.42S 74.18W 32–3 3.7L

¶604836454

GUC Error ellipse: s-maj=1.6km s-min=4.7km az=-1.0.
GUC VIII 01 00 37 26.3–.60 37.48S 74.02W 30–5 3.8L

¶604836455

GUC Error ellipse: s-maj=2.0km s-min=6.7km az=-1.0.
SJA VIII 01 16 54 49.1–1.1 30.28S 72.57W 41–999 3.7W,3.1L

¶604392104

SJA Error ellipse: s-maj=11.6km s-min=30.0km az=-1.0.
ISC VIII 02 09 13 42.4–3.3 32.88S–.07 72.7W–.10 0–13 28 1-4
SJA VIII 02 09 13 46.3–.72 32.67S 72.34W 10–11 3.5W,3.1L ¶603977090
GUC VIII 02 09 13 49.4–.56 32.74S 72.26W 46–4 3.5L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=10.2km s-min=15.4km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=4.2km az=-1.0.
ISC VIII 03 09 09 54.6–1.8 33.76S–.05 72.12W–.10 11–12 27 1-3
SJA VIII 03 09 09 53.6–.69 33.88S 72.65W 30 3.5W,3.4L ¶603977100
GUC VIII 03 09 09 56.8–.85 33.79S 71.99W 26–24 3.2L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=8.4km s-min=9.5km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=4.7km az=-1.0.
ISC VIII 05 04 39 11.0–1.9 35.87S–.04 73.4W–.10 10 26 1-9
ISCJB VIII 05 04 39 09.8–.99 35.77S–.04 73.40W–.10 10 ¶604836481
GUC VIII 05 04 39 11.9–.53 35.77S 73.40W 21–5 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.8km az=9.3.
GUC Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.
ISC VIII 06 10 29 56.5–1.8 33.79S–.05 72.01W–.10 1–12 23 1-4
GUC VIII 06 10 29 56.4–.59 33.70S 72.16W 45–6 3.3L ¶603977142
SJA VIII 06 10 30 00.3–.93 33.37S 72.16W 45 3.5W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=15.1km s-min=13.7km az=-1.0.
ISC VIII 06 12 18 37.0–2.1 33.81S–.08 72.1W–.20 8–17 21 1-4
GUC VIII 06 12 18 37.9–.61 33.81S 72.02W 40–5 2.8L ¶603977143
SJA VIII 06 12 18 56.3–.80 33.35S 71.13W 45 3.4W,2.8L
ISC Event type ke.
GUC Error ellipse: s-maj=2.5km s-min=4.9km az=-1.0.
SJA Error ellipse: s-maj=73.9km s-min=187.3km az=-1.0.
ISC VIII 07 11 00 52.1–3.0 32.76S–.06 72.3W–.10 6–13 21 1-4
SJA VIII 07 11 00 54.5–.48 33.05S 72.59W 38 3.7W,3.0L ¶603977157
GUC VIII 07 11 00 59.2–.40 32.84S 71.98W 38–2 3.1L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=8.6km s-min=6.5km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
ISC VIII 07 12 24 14.1–2.2 33.05S–.06 72.20W–.08 1–13 25 1-4
SJA VIII 07 12 24 14.0–.57 33.08S 72.25W 5–5 3.4W,2.9L ¶603977158
GUC VIII 07 12 24 17.9–.48 32.77S 71.92W 40–4 3.0L,2.9L
ISC Event type ke.
SJA Error ellipse: s-maj=5.3km s-min=5.9km az=-1.0.
GUC Error ellipse: s-maj=7.3km s-min=4.9km az=-1.0.

GUC VIII 13 15 15 32.7–.55 35.42S 73.33W 20–19 3.8L

¶604836537

GUC Error ellipse: s-maj=19.5km s-min=6.0km az=-1.0.
ISC VIII 13 15 59 36.8–2.9 35.59S–.04 73.1W–.10 11–17 28 1-7
SJA VIII 13 15 59 33.8–.68 35.53S 73.54W 23–19 4.3W,3.8L ¶603977232
ISCJB VIII 13 15 59 38.3–1.5 35.58S–.04 73.1W–.10 24–12 4.3W,3.8L
GUC VIII 13 15 59 38.8–.54 35.57S 73.11W 35 4.1L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=23.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=6.0km az=19.7.
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
ISC VIII 17 20 19 56.1–.46 35.67S–.05 73.70W–.08 35 4.8b,3.8s 73 2-159
GUC VIII 17 20 19 49.8–.49 35.71S 73.98W 9–12 4.4L,3.8s ¶601565591
ISCJB VIII 17 20 19 53.9–.44 35.61S–.04 73.73W–.07 33 4.8b,3.5s
IDC VIII 17 20 19 53.5–1.0 35.76S 73.18W 0 4.3,4.3b
NEIC VIII 17 20 19 54.5–.44 35.61S 73.62W 20 4.7b,4.3b
ISC Event type se.
GUC Error ellipse: s-maj=2.5km s-min=6.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=177.5.
IDC Error ellipse: s-maj=38.9km s-min=14.7km az=95.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.2km az=96.0.
ISC VIII 23 19 03 51.3–.62 35.83S–.04 73.50W–.09 35 4.3b,3.9s 55 1-159
IDC VIII 23 19 03 46.6–.75 35.83S 73.45W 0 4.3,4.2 ¶601614695
GUC VIII 23 19 03 47.3–.53 35.80S 73.63W 30–12 4.4L,4.2
NEIC VIII 23 19 03 48.2–4.9 35.78S 73.46W 11–29 4.8b,4.2
ISCJB VIII 23 19 03 49.2–.52 35.81S–.03 73.48W–.07 33 4.2b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 24 12 58 43.8–2.2 30.42S–.05 72.3W–.10 16 18 1-4
SJA VIII 24 12 58 40.5–.30 30.45S 72.29W 2–7 3.7W,3.7L ¶603977387
ISCJB VIII 24 12 58 43.1–1.4 30.45S–.04 72.4W–.10 16 3.7W,3.7L
GUC VIII 24 12 58 43.9–.61 30.43S 72.21W 44–9 3.8L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=5.5km az=12.1.
GUC Error ellipse: s-maj=2.0km s-min=5.2km az=-1.0.
ISC VIII 24 22 30 03.1–.75 33.45S–.04 72.22W–.07 22–6 4.6b,4.0s 106 1-176
SJA VIII 24 22 29 56.2–1.0 33.34S 72.66W 39–39 4.7W,4.5L ¶601625212
IDC VIII 24 22 29 59.9–.52 33.44S 72.08W 0 4.4,4.4b
ISCJB VIII 24 22 30 01.3–1.2 33.48S–.03 72.36W–.04 21–8 4.4b,4.0s
NEIC VIII 24 22 30 01.0–.00 33.43S 72.31W 42 4.7b,4.4L
GUC VIII 24 22 30 02.0–.70 33.45S 72.33W 44–5 4.4L,4.4L
BJI VIII 24 22 30 06.0 33.40S 72.30W 42 4.8s,4.5
ISC Event type fe.
SJA Error ellipse: s-maj=6.2km s-min=15.6km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=13.6km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.7km az=6.7.
NEIC Event type fe. Felt [III] at Navidad and [II] at San Antonio. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.
ISC VIII 26 05 32 53.7–2.9 37.39S–.05 74.08W–.09 17–17 4.6b,3.6s 27 1-87
NEIC VIII 26 05 32 51.0–.00 37.46S 74.24W 34 4.1L,3.6s ¶601626453
IDC VIII 26 05 32 51.8–1.2 37.32S 73.87W 0 4.2,4.1b
ISCJB VIII 26 05 32 52.5–1.9 37.37S–.04 74.1W–.10 22–13 4.2b,3.5s
GUC VIII 26 05 32 52.8–.57 37.46S 74.09W 11–9 4.0L,3.5s
ISC Event type se.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=36.8km s-min=20.4km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=7.2km az=173.6.
GUC Error ellipse: s-maj=2.4km s-min=6.7km az=-1.0.
ISC VIII 28 08 27 21.8–2.2 30.87S–.05 72.11W–.09 23–17 39 1-6
SJA VIII 28 08 27 24.6–1.0 30.76S 72.04W 39–30 3.6W,3.6L ¶604392471
GUC VIII 28 08 27 50.3–.57 34.63S 71.90W 33–2 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=8.6km s-min=38.0km az=-1.0.
GUC Error ellipse: s-maj=2.9km s-min=6.3km az=-1.0.
ISC IX 03 16 03 01.8–1.7 33.76S–.05 72.03W–.07 2–11 38 1-154
SJA IX 03 16 02 57.9–.69 33.20S 73.01W 57–6 3.8W,3.7L ¶601862874
IDC IX 03 16 03 00.9–2.1 33.74S 73.61W 0 4.0L,3.8
GUC IX 03 16 03 03.9–.73 33.84S 72.04W 45–29 3.7L,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=93.9km s-min=22.4km az=93.0.
GUC Error ellipse: s-maj=3.9km s-min=7.4km az=-1.0.
ISC IX 11 16 02 35.8–2.2 35.87S–.04 73.51W–.10 1–14 25 1-86
GUC IX 11 16 02 35.4–.46 35.85S 73.50W 24–9 4.1L ¶601863362
SJA IX 11 16 02 36.1–.66 35.85S 73.75W 46–13 4.4W,3.6L
IDC IX 11 16 02 40.5–5.1 35.82S 72.37W 0 3.8,3.7
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
SJA Error ellipse: s-maj=3.0km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=151.5km s-min=20.6km az=86.0.
ISC IX 11 17 31 22.7–1.7 35.8S–.10 73.5W–.10 35 19 3-71
IDC IX 11 17 31 16.7–1.9 36.09S 73.46W 0 3.8,3.6 ¶601863365
ISCJB IX 11 17 31 19.5–1.2 36.01S–.08 73.5W–.20 33 3.5b,3.6
SJA IX 11 17 31 24.2–1.0 35.36S 73.52W 33–66 3.8W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=21.0km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=12.1km az=7.7.
SJA Error ellipse: s-maj=37.6km s-min=37.7km az=-1.0.
GUC IX 19 11 47 27.7–.59 35.68S 73.59W 21–11 3.6L

¶604836784

GUC Error ellipse: s-maj=3.2km s-min=7.4km az=-1.0.
GUC IX 23 13 20 35.1–.48 35.80S 73.83W 15–13 3.7L

¶604836815

GUC Error ellipse: s-maj=2.4km s-min=8.7km az=-1.0.
ISC IX 24 18 21 29.7–2.0 35.34S–.05 73.1W–.10 10 23 1-8
ISCJB IX 24 18 21 31.0–1.1 35.36S–.04 73.1W–.10 10 ¶604836828
GUC IX 24 18 21 31.3–.81 35.36S 72.95W 20–10 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=5.5km az=15.9.
GUC Error ellipse: s-maj=3.0km s-min=6.6km az=-1.0.
SJA IX 26 19 28 35.6–.90 33.69S 72.43W 10–6 3.6W,3.4L

¶604392958

SJA Error ellipse: s-maj=10.3km s-min=10.7km az=-1.0.
ISC IX 28 19 21 46.2–2.2 34.69S–.06 73.39W–.07 11–14 3.6b 38 1-85
IDC IX 28 19 21 45.8–1.8 34.68S 73.47W 0 3.9,3.8L ¶601852864
NEIC IX 28 19 21 46.7–.57 34.60S 73.37W 10 4.3b,3.8L
GUC IX 28 19 21 49.3–.41 34.52S 73.30W 16–24 3.4L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=30.5km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.7km az=91.0.
GUC Error ellipse: s-maj=15.5km s-min=9.5km az=-1.0.
ISC X 01 01 06 37.3–2.0 31.65S–.03 72.26W–.09 17–15 30 1-4
SJA X 01 01 06 40.6–.64 31.76S 72.59W 58–12 4.5W,4.0L ¶604737987
GUC X 01 01 06 43.2–.71 31.67S 71.96W 31–5 3.9L,4.0L
ISC Event type ke.
SJA Error ellipse: s-maj=3.4km s-min=5.8km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=5.4km az=-1.0.
ISC X 02 08 41 52.9–2.5 32.47S–.04 72.0W–.10 8–12 33 1-5
SJA X 02 08 41 54.7–.82 32.48S 71.93W 8–20 3.5W,3.4L ¶604738017
GUC X 02 08 41 57.5–.59 32.38S 71.49W 24–5 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=8.3km s-min=29.9km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=6.7km az=-1.0.
SJA X 04 05 04 16.5–.69 32.53S 73.02W 40–247 3.5W,3.2L

¶604738055

SJA Error ellipse: s-maj=9.6km s-min=235.0km az=-1.0.
ISC X 05 02 25 22.3–2.2 32.19S–.04 72.33W–.10 14–12 23 1-4
SJA X 05 02 25 21.3–.72 32.71S 72.69W 20–6 4.1W,3.7L ¶604738067
GUC X 05 02 25 25.9–.70 32.26S 72.27W 52–26 3.5L,3.7L

ISC Event type ke.
SJA Error ellipse: s-maj=7.8km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=3.3km s-min=7.7km az=-1.0.
ISC X 05 17 24 28.2–2.7 32.11S–.04 72.6W–.10 10–12 33 2-7
SJA X 05 17 24 25.1–.38 32.58S 72.89W 6–4 3.9W,3.6L **¶604738078**
GUC X 05 17 24 35.2–.68 32.14S 72.06W 29–10 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
ISC X 06 03 18 14.6–1.2 32.17S–.02 72.20W–.04 9–7 4.7b 127 1-175
SJA X 06 03 18 11.4–.59 32.24S 72.42W 11–2 4.5W,4.5L **¶601792487**
ISCJB X 06 03 18 11.8–1.1 32.24S–.03 72.55W–.03 3–7 4.5b,4.5L
BJI X 06 03 18 13.9 32.10S 72.20W 6 4.9,4.9s
IDC X 06 03 18 13.5–.65 32.15S 71.85W 0 4.5b,4.5
GUC X 06 03 18 15.9–.61 32.17S 72.19W 34–2 4.7L,4.5
NEIC X 06 03 18 15.2–2.1 32.13S 72.11W 9–13 4.7L,4.6b
ISC Event type fe.
SJA Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=159.0.
IDC Error ellipse: s-maj=24.2km s-min=15.1km az=93.0.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=4.4km az=86.0. Felt at Los Vilos, Santiago and Vina del Mar.
ISC X 06 13 02 34.0–2.9 32.19S–.04 72.6W–.10 16–11 27 2-4
SJA X 06 13 02 34.5–.47 32.63S 72.98W 50–6 3.5W,3.2L **¶604738094**
GUC X 06 13 02 43.3–.41 32.23S 71.92W 35–5 3.1L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.7km az=-1.0.
ISC X 06 13 53 37.9–3.2 32.58S–.08 73.3W–.20 24–23 39 2-9
GUC X 06 13 53 52.6–.65 32.48S 72.24W 37–3 3.5L **¶604738096**
ISC Event type ke.
GUC Error ellipse: s-maj=6.1km s-min=6.2km az=-1.0.
ISC X 06 18 49 53.0–4.2 32.20S–.04 72.3W–.10 17–27 34 1-6
SJA X 06 18 49 50.3–.49 32.28S 72.65W 44–16 3.9W,3.5L **¶604738104**
GUC X 06 18 49 56.7–.69 32.15S 71.77W 27–5 3.2L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=7.9km az=-1.0.
ISC X 06 22 49 35.1–1.2 32.10S–.03 72.23W–.05 3–7 4.5b,3.6s 82 1-175
ISCJB X 06 22 49 33.6–.41 32.17S–.03 72.59W–.04 10 4.6b,3.6s **¶601794204**
SJA X 06 22 49 34.7–.98 32.13S 72.43W 10 4.3L,4.2W
IDC X 06 22 49 35.5–1.3 32.08S 72.07W 0 4.5b,4.3
GUC X 06 22 49 38.8–.61 32.13S 71.86W 7–5 3.9L,4.3
NEIC X 06 22 49 38.0–.00 32.13S 71.86W 7 4.3b,4.1W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=163.8.
SJA Error ellipse: s-maj=5.4km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=40.3km s-min=20.8km az=102.0.
GUC Error ellipse: s-maj=1.3km s-min=5.8km az=-1.0.
NEIC Event type se. After GUC. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}1.77 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.67 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.32 $M_{\phi r}$0.76 Best double couple: NP1:ϕ_s167.00000°,δ33.00000°,λ86.00000°. NP2:ϕ_s352.00000°,δ57.00000°,λ93.00000°. Principal axes: T 1.9200,Plg78.0000°,Azm272.0000°; N -0.0400,Plg2.0000°,Azm170.0000°; P -1.8900,Plg12.0000°,Azm80.0000° $M_0$1.90000×10^{15}
ISC X 08 02 12 07.3–2.7 32.40S–.05 72.3W–.10 11–12 25 1-5
SJA X 08 02 12 00.7–.56 32.72S 72.85W 14–4 3.7W,3.5L **¶604738123**
GUC X 08 02 12 09.6–.66 32.42S 72.13W 39–6 3.2L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=6.5km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=6.2km az=-1.0.
ISC X 08 13 03 41.7–4.0 34.79S–.04 73.55W–.06 13–26 4.0b 66 1-99
ISCJB X 08 13 03 40.9–1.3 34.75S–.03 73.53W–.05 16–9 4.0b **¶601804033**
IDC X 08 13 03 40.3–1.1 34.83S 73.58W 0 4.8,4.8s
GUC X 08 13 03 41.9–.54 34.85S 73.41W 25 4.1L,4.8s
NEIC X 08 13 03 41.7–4.0 34.65S 73.64W 14–26 4.2L,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=29.8.
IDC Error ellipse: s-maj=36.9km s-min=19.7km az=95.0.
GUC Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.4km az=91.0.
ISC X 09 13 09 38.5–2.5 30.60S–.05 72.2W–.10 5–13 26 1-5
GUC X 09 13 09 40.4–.49 30.61S 72.09W 35–18 3.5L **¶604738154**
ISC Event type ke.
GUC Error ellipse: s-maj=4.5km s-min=5.9km az=-1.0.
ISC X 11 02 38 26.9–1.7 33.96S–.03 72.47W–.06 2–10 4.6b 92 1-176
BJI X 11 02 38 27.8 34.10S 72.30W 5 4.6b **¶601825978**
IDC X 11 02 38 28.3–.84 34.00S 72.06W 0 4.2,4.2L
ISCJB X 11 02 38 29.8–.41 34.02S–.02 72.61W–.05 33 4.4b,4.2L
GUC X 11 02 38 30.0–.35 34.00S 72.50W 32–2 4.2L,4.2L
NEIC X 11 02 38 30.0–.00 34.00S 72.50W 32 4.6b,4.2L
SJA X 11 02 38 58.8–.94 32.47S 70.82W 33 4.0W,3.5L
ISC Event type fe.
IDC Error ellipse: s-maj=32.7km s-min=15.7km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=13.2.
GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
NEIC Event type fe. Felt at San Antonio and Santiago. After GUC.
SJA Error ellipse: s-maj=4.4km s-min=23.7km az=-1.0.
ISC X 11 21 36 07.3–.69 33.94S–.05 72.49W–.06 17 4.2b 45 1-157
IDC X 11 21 36 05.4–.85 33.98S 72.17W 0 4.2,4.1 **¶601839765**
ISCJB X 11 21 36 06.3–.65 33.99S–.04 72.56W–.06 17 4.1b,3.5s
NEIC X 11 21 36 08.0–.00 34.01S 72.48W 43 4.3L,4.2b
GUC X 11 21 36 08.3–.34 34.01S 72.48W 43–13 4.3L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=33.2km s-min=15.7km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.5km az=12.9.
NEIC Event type fe. Felt [II] at Rancagua. After GUC.
GUC Error ellipse: s-maj=2.8km s-min=8.6km az=-1.0.
ISC X 13 22 04 18.0–2.4 29.62S–.05 72.11W–.08 5–13 33 1-150
SJA X 13 22 04 15.5–.56 29.56S 72.24W 10–44 3.9L,3.5W **¶604738284**
ISCJB X 13 22 04 18.0–2.3 29.60S–.06 72.29W–.09 15–16 4.0b,3.5W
GUC X 13 22 04 19.9–.54 29.69S 71.94W 46–5 4.0L,3.5W
IDC X 13 22 04 48.1–9.0 26.29S 70.32W 140–59 3.7,3.4
ISC Event type ke.
SJA Error ellipse: s-maj=24.7km s-min=51.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=9.4km az=8.7.
GUC Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=107.2km s-min=25.9km az=30.0.
ISC X 14 10 50 18.2–.42 35.38S–.04 74.02W–.07 35 4.8b 130 2-178
IDC X 14 10 50 13.0–.62 35.34S 74.13W 0 4.7,4.7s **¶601833200**
ISCJB X 14 10 50 16.8–.22 35.40S–.03 73.94W–.03 33 4.7s,4.7b
GUC X 14 10 50 16.2–.59 35.44S 74.00W 40 4.2L,4.7b
BJI X 14 10 50 16.0 35.30S 74.00W 23 5.6s,5.5
NEIC X 14 10 50 17.2–1.6 35.31S 73.93W 21–11 4.8b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=11.5km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.7km az=163.4.
GUC Error ellipse: s-maj=1.9km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=83.0.
ISC X 14 12 09 49.4–3.0 31.83S–.04 72.2W–.10 7–19 20 1-6
SJA X 14 12 09 49.1–.50 31.75S 72.85W 63–12 3.8L,3.7W **¶604738299**
GUC X 14 12 09 51.4–1.1 31.80S 72.15W 18–16 3.5L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=3.4km s-min=7.6km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=19.5km az=-1.0.
ISC X 14 14 15 55.9–4.0 31.96S–.06 72.6W–.20 4–21 27 2-5
GUC X 14 14 15 59.8–.51 31.77S 72.04W 17–7 3.0L **¶604738301**
SJA X 14 14 16 01.3–.64 31.93S 72.13W 7–23 3.3W,2.9L
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=9.2km az=-1.0.
SJA Error ellipse: s-maj=6.4km s-min=32.5km az=-1.0.

ISC X 15 03 01 39.7–3.7 31.73S–.04 72.1W–.20 13–16 23 1-3
GUC X 15 03 01 37.7–.70 31.75S 72.24W 30–3 3.2L **¶604738312**
SJA X 15 03 01 38.8–.77 31.86S 72.50W 30 3.5W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=5.6km az=-1.0.
SJA Error ellipse: s-maj=3.4km s-min=9.7km az=-1.0.
ISC X 15 09 42 31.8–2.7 32.28S–.05 72.4W–.10 11–13 24 1-6
SJA X 15 09 42 34.3–.64 32.64S 72.48W 11–7 3.9W,3.5L **¶604738319**
GUC X 15 09 42 38.3–.43 32.53S 72.27W 34–2 3.6L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=8.8km s-min=6.9km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0.
ISC X 16 00 33 18.7–2.4 31.88S–.04 72.3W–.10 14–16 23 1-3
SJA X 16 00 33 16.5–.82 31.91S 72.67W 30–77 3.9W,3.9L **¶604738332**
GUC X 16 00 33 23.3–.50 31.86S 72.04W 40–3 3.6L,3.9L
ISC Event type ke.
SJA Error ellipse: s-maj=11.6km s-min=115.7km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=4.2km az=-1.0.
ISC X 16 01 16 48.6–2.1 31.86S–.03 72.02W–.08 5–12 52 1-6
SJA X 16 01 16 48.5–.83 32.07S 72.23W 9 3.7W,3.6L **¶604738333**
GUC X 16 01 16 50.3–.55 31.86S 71.94W 37–3 3.4L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=5.0km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=4.9km az=-1.0.
ISC X 16 03 28 11.1–2.4 31.86S–.03 72.15W–.09 5–13 34 1-3
SJA X 16 03 28 12.3–.63 32.06S 72.39W 22–14 3.8W,3.6L **¶604738335**
GUC X 16 03 28 12.0–.58 31.84S 72.21W 40–4 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=14.1km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
ISC X 16 08 20 23.8–2.0 31.85S–.03 72.3W–.10 26–19 27 1-3
SJA X 16 08 20 25.5–.83 31.80S 72.41W 30 3.9W,3.6L **¶604738340**
GUC X 16 08 20 26.8–.61 31.83S 71.93W 20–4 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=6.9km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=4.7km az=-1.0.
ISC X 17 16 51 40.8–2.4 31.75S–.04 72.21W–.07 6–15 42 1-7
SJA X 17 16 51 36.2–.93 32.03S 72.75W 7–21 3.5W,3.4L **¶604738369**
GUC X 17 16 51 41.8–.61 31.79S 72.26W 25–6 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=4.3km s-min=35.4km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=6.7km az=-1.0.
ISC X 18 01 04 02.0–1.6 37.58S–.06 74.1W–.10 10 3.7b 12 1-87
ISCJB X 18 01 03 59.7–1.4 37.59S–.05 74.3W–.10 10 3.8b **¶604837028**
GUC X 18 01 04 01.8–.50 37.59S 74.25W 28–6 3.8L
IDC X 18 01 04 12.1–2.7 37.38S 70.59W 0 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.0km az=7.2.
GUC Error ellipse: s-maj=2.7km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=96.0km s-min=23.2km az=95.0.
ISC X 18 02 08 42.7–1.9 31.56S–.03 72.03W–.10 6–13 20 1-3
ISCJB X 18 02 08 45.0–1.6 31.58S–.03 72.1W–.10 17–16 **¶604738377**
GUC X 18 02 08 46.4–.49 31.57S 71.84W 51–6 3.0L
SJA X 18 02 08 46.8–.52 31.61S 72.06W 37–9 3.5W,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=5.7km az=2.2.
GUC Error ellipse: s-maj=1.3km s-min=8.0km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=7.8km az=-1.0.
ISC X 18 04 37 60.0–.71 31.83S–.03 72.01W–.06 31–5 4.3b 69 1-155
GUC X 18 04 37 53.0–.69 31.80S 72.44W 18–9 4.2L **¶601998752**
NEIC X 18 04 37 59.7–1.8 31.83S 72.03W 29–13 4.5b,4.2L
IDC X 18 04 38 00.7–.88 31.82S 71.87W 31–6 4.0,4.0
SJA X 18 04 38 00.6–1.2 31.94S 71.79W 10–35 4.2W,3.9L
ISC Event type se.
GUC Error ellipse: s-maj=2.9km s-min=13.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.2km az=91.0.
IDC Error ellipse: s-maj=27.1km s-min=19.2km az=90.0.
SJA Error ellipse: s-maj=9.7km s-min=49.6km az=-1.0.
ISC X 18 09 45 41.6–2.5 31.86S–.04 72.0W–.10 6–13 22 1-3
GUC X 18 09 45 43.8–.46 31.85S 71.96W 44–4 3.1L **¶604738383**
SJA X 18 09 45 43.6–.82 32.11S 72.23W 40–999 3.5W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.5km s-min=5.3km az=-1.0.
SJA Error ellipse: s-maj=5.7km s-min=30.6km az=-1.0.
ISC X 19 22 48 16.6–2.1 31.72S–.03 72.18W–.06 3–12 4.7b,3.9s 105 1-175
SJA X 19 22 48 08.4–1.3 31.87S 73.01W 10–30 4.7W,4.4L **¶601839780**
GUC X 19 22 48 12.9–.68 31.75S 72.64W 18–18 4.8L,4.4L
IDC X 19 22 48 16.1–.67 31.60S 71.92W 0 4.4,4.4b
ISCJB X 19 22 48 16.5–.34 31.80S–.03 72.41W–.04 10 4.6b,3.8s
NEIC X 19 22 48 18.2–.37 31.76S 71.95W 10 4.8L,4.6b
BJI X 19 22 48 20.5 31.80S 72.00W 20 4.8L,4.6b
ISC Event type se.
SJA Error ellipse: s-maj=5.3km s-min=28.4km az=-1.0.
GUC Error ellipse: s-maj=3.9km s-min=12.8km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=16.7km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=167.8.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.5km az=83.0. Moment Tensor Solution. s15 Moment tensor: Scale 10^{15}Nm; M_{rr}2.45 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-2.14 $M_{r\theta}$-0.32 $M_{\theta\phi}$-0.60 $M_{\phi r}$-6.01 Best double couple: NP1:ϕ_s184.00000°,δ79.00000°,λ86.00000°. NP2:ϕ_s26.00000°,δ11.00000°,λ111.00000°. Principal axes: T 6.5900,Plg55.0000°,Azm89.0000°; N -0.2300,Plg4.0000°,Azm185.0000°; P -6.3600,Plg34.0000°,Azm278.0000° $M_0$6.50000×10^{15}
ISC X 20 00 25 48.1–1.3 32.28S–.04 72.20W–.05 7–7 4.5b 77 1-175
SJA X 20 00 25 45.6–1.1 32.62S 72.85W 63–23 4.5W,4.4L **¶601861548**
IDC X 20 00 25 46.6–.79 32.19S 72.17W 0 4.3,4.3b
NEIC X 20 00 25 48.0–.00 32.25S 72.14W 22 4.4b,4.3W
GUC X 20 00 25 48.7–.41 32.25S 72.14W 22–8 4.1L,4.3W
ISC Event type se.
SJA Error ellipse: s-maj=14.2km s-min=11.1km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=18.6km az=98.0.
NEIC Event type se. After GUC. Moment Tensor Solution. s11 Moment tensor: Scale 10^{15}Nm; M_{rr}0.19 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.92 $M_{\theta\phi}$-0.55 $M_{\phi r}$-3.05 Best double couple: NP1:ϕ_s67.00000°,δ12.00000°,λ173.00000°. NP2:ϕ_s164.00000°,δ89.00000°,λ78.00000°. Principal axes: T 3.2800,Plg45.0000°,Azm62.0000°; N -0.0500,Plg12.0000°,Azm164.0000°; P -3.2400,Plg42.0000°,Azm265.0000° $M_0$3.30000×10^{15}
GUC Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0.
ISC X 24 03 46 27.7–1.7 31.68S–.03 72.17W–.05 4–10 4.5b 86 1-155
SJA X 24 03 46 23.7–.88 31.77S 72.84W 33 4.5W,4.3L **¶601846958**
IDC X 24 03 46 28.1–1.2 31.72S 71.93W 0 4.2,4.1b
GUC X 24 03 46 30.1–.77 31.70S 72.07W 44–5 4.0L,4.1b
NEIC X 24 03 46 30.0–.00 31.70S 72.07W 44 4.7b,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=4.3km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=28.3km az=12.0.
GUC Error ellipse: s-maj=1.5km s-min=5.9km az=-1.0.
NEIC Event type se. After GUC.
ISC X 24 04 59 49.9–1.2 35.95S–.05 73.7W–.10 35 26 1-71
IDC X 24 04 59 44.4–2.0 36.02S 74.14W 0 4.0L,3.9 **¶601999451**
GUC X 24 04 59 47.5–.50 35.89S 73.72W 26–4 3.6L,3.9
ISCJB X 24 04 59 48.0–.72 35.90S–.04 73.70W–.08 33 3.1b,3.9
SJA X 24 05 00 10.5–.33 34.66S 72.28W 56–10 3.7W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=32.8km az=67.0.
GUC Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.7km az=14.0.
SJA Error ellipse: s-maj=11.1km s-min=18.9km az=-1.0.
ISC X 24 07 12 34.6–3.4 31.76S–.04 72.4W–.10 1–18 47 1-9
SJA X 24 07 12 33.7–2.7 31.79S 72.66W 20–72 3.9L,3.6W **¶604738521**
GUC X 24 07 12 40.4–.61 31.77S 72.03W 34–2 3.8L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=14.4km s-min=69.1km az=-1.0.

GUC Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0.
ISC X 24 16 40 57.7–1.9 31.80S–.04 72.3W–.10 26 32 1-54
SJA X 24 16 40 55.9–.50 31.90S 72.69W 62–6 3.9W,3.9L ¶601846972
GUC X 24 16 40 58.6–.56 31.75S 72.04W 24–6 3.7L,3.9L
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=4.3km az=-1.0.
ISC X 24 21 27 25.2–1.7 31.65S–.03 72.03W–.08 14 31 1-5
GUC X 24 21 27 26.8–.59 31.62S 72.16W 35–6 3.7L ¶604738533
SJA X 24 21 27 28.0–.59 31.72S 72.27W 22–25 3.4W,3.4L
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0.
SJA Error ellipse: s-maj=3.3km s-min=22.4km az=-1.0.
GUC X 25 06 36 02.7–.69 33.81S 72.53W 31–3 3.5L
¶604837116
GUC Error ellipse: s-maj=2.6km s-min=4.8km az=-1.0.
ISC X 25 09 12 11.4–4.0 31.63S–.06 72.1W–.10 4–20 24 1-4
SJA X 25 09 12 13.1–.66 31.84S 72.41W 40–999 3.6W,3.1L ¶604738544
GUC X 25 09 12 13.0–.65 31.77S 71.99W 17–9 3.0L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=4.8km s-min=6.9km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=7.9km az=-1.0.
ISC X 27 12 33 03.0–1.6 33.57S–.04 72.08W–.05 11–9 4.3b 74 1-176
SJA X 27 12 33 00.9–.58 33.75S 72.37W 10 4.0L,3.8W ¶601852914
IDC X 27 12 33 01.8–1.1 33.55S 71.91W 0 4.1,4.0b
NEIC X 27 12 33 05.0–.00 33.64S 72.01W 47 4.4b,3.9L
GUC X 27 12 33 05.2–.65 33.64S 72.01W 47–7 3.9L,3.9L
ISC Event type fe.
SJA Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=40.9km s-min=23.9km az=81.0.
NEIC Event type fe. Felt [II] at Navidad, Pichilemu, Rancagua and San Fernando. After GUC.
GUC Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0.
GUC X 27 15 26 44.9–.64 38.46S 74.94W 21–7 3.7L
¶604837139
GUC Error ellipse: s-maj=3.4km s-min=7.8km az=-1.0.
GUC X 31 08 47 16.0–.39 36.73S 74.92W 25–7 3.5L
¶604837167
GUC Error ellipse: s-maj=9.8km s-min=6.7km az=-1.0.
ISC X 31 15 20 41.4–1.7 33.62S–.06 72.03W–.10 19 26 1-6
GUC X 31 15 20 39.7–.56 33.54S 72.06W 41–6 3.7L ¶604738685
ISCJB X 31 15 20 42.3–1.0 33.64S–.05 72.00W–.10 19 3.7L
SJA X 31 15 20 42.7–.93 33.36S 72.33W 69–16 4.1W,3.8L
ISC Event type ke.
GUC Error ellipse: s-maj=4.9km s-min=6.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.7km az=25.2.
SJA Error ellipse: s-maj=12.4km s-min=11.4km az=-1.0.
ISC XI 03 07 21 19.9–2.6 32.58S–.05 72.2W–.10 1–12 34 1-7
SJA XI 03 07 21 23.7–.98 32.31S 71.99W 10 3.3L,3.0W ¶604738740
GUC XI 03 07 21 25.0–.33 32.45S 71.68W 22–3 3.2L,3.0W
ISC Event type ke.
SJA Error ellipse: s-maj=6.6km s-min=8.3km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0.
ISC XI 03 13 26 11.0–4.7 32.29S–.07 72.2W–.20 3–29 25 1-5
GUC XI 03 13 26 11.2–.39 32.24S 72.04W 5–9 3.3L ¶604738743
SJA XI 03 13 26 11.9–.97 32.54S 72.38W 64–34 3.9W,3.6L
ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=17.6km az=-1.0.
SJA Error ellipse: s-maj=15.9km s-min=16.5km az=-1.0.
ISC XI 04 13 38 55.9–2.1 29.91S–.04 72.2W–.10 12–13 27 1-5
GUC XI 04 13 39 04.3–.56 29.98S 71.22W 92–15 3.3L ¶604738766
SJA XI 04 13 39 04.6–.86 29.83S 71.72W 40–999 3.7W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=3.7km s-min=34.7km az=-1.0.
SJA Error ellipse: s-maj=9.3km s-min=9.7km az=-1.0.
ISC XI 04 14 27 17.1–2.4 31.71S–.04 72.0W–.10 8–14 32 1-4
GUC XI 04 14 27 19.4–.55 31.71S 71.89W 40–4 3.6L ¶604738771
SJA XI 04 14 27 20.1–1.0 31.92S 72.01W 25–22 3.9W,3.5L
ISC Event type ke.
GUC Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0.
SJA Error ellipse: s-maj=5.9km s-min=17.9km az=-1.0.
ISC XI 04 14 33 03.5–2.0 31.71S–.04 72.01W–.07 12–12 4.4b,3.6s 66 1-152
IDC XI 04 14 33 02.0–1.0 31.71S 71.80W 0 4.1b,4.1 ¶602031635
SJA XI 04 14 33 05.0–1.3 31.88S 72.11W 25–40 4.5W,4.4L
GUC XI 04 14 33 06.3–.41 31.70S 71.78W 59–4 4.4L,4.4L
NEIC XI 04 14 33 06.0–.00 31.73S 71.89W 43 4.4L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=26.2km az=87.0.
SJA Error ellipse: s-maj=11.1km s-min=31.8km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=4.7km az=-1.0.
NEIC Event type se. After GUC.
SJA XI 04 14 47 34.0–1.4 31.88S 72.24W 42–21 3.6W,2.9L
¶604738773
SJA Error ellipse: s-maj=8.8km s-min=36.9km az=-1.0.
ISC XI 04 16 21 06.0–3.7 31.80S–.04 72.1W–.10 10–25 36 1-8
SJA XI 04 16 21 08.3–1.1 31.90S 72.20W 49–21 4.2W,3.8L ¶604738776
GUC XI 04 16 21 09.2–.59 31.75S 71.76W 43–4 3.9L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=4.4km s-min=18.6km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0.
ISC XI 07 13 57 05.2–2.4 30.68S–.04 72.3W–.10 7–13 19 1-4
SJA XI 07 13 57 05.2–.83 30.51S 72.43W 10 3.6W,3.5L ¶604738841
GUC XI 07 13 57 08.6–.55 30.71S 72.09W 32–4 3.6L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=5.7km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=4.6km az=-1.0.
ISC XI 07 15 16 22.2–1.9 30.71S–.04 72.17W–.08 3–12 4.2b 44 1-151
IDC XI 07 15 16 22.4–.87 30.74S 72.00W 0 4.1,4.0L ¶601991517
GUC XI 07 15 16 23.2–.42 30.70S 72.20W 51–4 4.2L,4.0L
NEIC XI 07 15 16 27.1–.63 30.78S 71.93W 34–4 4.6b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=25.2km az=77.0.
GUC Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.4km az=86.0.
ISC XI 10 20 36 23.1–2.3 31.73S–.04 72.2W–.10 9–16 35 1-5
SJA XI 10 20 36 29.1–.80 31.91S 72.15W 66–12 3.9W,3.6L ¶604738886
GUC XI 10 20 36 29.3–.64 31.77S 71.77W 23–10 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.8km s-min=6.9km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=10.6km az=-1.0.
GUC XI 11 01 15 03.3–.56 33.96S 72.37W 40–12 2.9L
¶604837277
GUC Error ellipse: s-maj=2.4km s-min=10.5km az=-1.0.
GUC XI 11 05 06 57.3–.67 33.97S 72.28W 41–5 3.7L
¶604837280
GUC Error ellipse: s-maj=2.6km s-min=6.0km az=-1.0.
GUC XI 11 05 09 08.7–.46 33.94S 72.38W 37–4 3.7L
¶604837281
GUC Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0.
ISC XI 11 05 10 54.4–1.3 33.93S–.03 72.23W–.06 5–7 4.3b,4.1s 67 1-176
SJA XI 11 05 10 50.5–1.3 34.13S 72.97W 52–38 4.7W,4.7L ¶601883928
GUC XI 11 05 10 55.8–.62 33.96S 72.31W 35–3 4.6L,4.7L
NEIC XI 11 05 10 55.9–1.3 33.96S 72.13W 13–8 4.6L,4.6b
IDC XI 11 05 10 59.6–4.5 33.95S 71.84W 37–37 4.3L,4.2s
ISC Event type fe.
SJA Error ellipse: s-maj=20.2km s-min=19.3km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=5.1km az=94.0. Felt [III] at La Estrella, Litueche and Navidad; [II] at Curico, El Quisco, Parral, Pichilemu, Rancagua, San Antonio, San Fernando and Talca. Also felt at Chanco, Santiago and Vina del Mar.
IDC Error ellipse: s-maj=33.3km s-min=16.7km az=96.0.
ISC XI 11 07 24 20.5–.78 33.97S–.03 72.34W–.07 22–6 4.2b,3.5s 72 1-157

NEIC XI 11 07 24 21.0–.00 33.97S 72.27W 38 4.4b,4.2L ¶601883935
GUC XI 11 07 24 21.0–.68 33.98S 72.28W 38–32 4.2L,4.2L
IDC XI 11 07 24 25.1–2.6 34.04S 71.61W 48–24 3.9,3.9
ISC Event type fe.
NEIC Event type fe. Felt [II] at El Quisco and San Antonio. After GUC.
GUC Error ellipse: s-maj=3.8km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=29.2km s-min=17.9km az=94.0.
GUC XI 11 08 18 22.6–.51 34.00S 72.24W 37–3 3.7L
¶604837284
GUC Error ellipse: s-maj=2.3km s-min=4.8km az=-1.0.
ISC XI 11 10 06 12.2–2.1 33.90S–.05 72.39W–.08 4–13 41 1-154
SJA XI 11 10 06 09.4–.85 33.84S 73.17W 33 3.7W,3.6L ¶602389215
IDC XI 11 10 06 11.1–1.2 33.92S 72.10W 0 3.7L,3.6
GUC XI 11 10 06 15.5–.62 33.97S 72.29W 25–32 3.5L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=13.3km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=48.3km s-min=30.6km az=89.0.
GUC Error ellipse: s-maj=4.1km s-min=9.8km az=-1.0.
ISC XI 12 01 37 17.3–2.4 33.99S–.06 72.4W–.10 33–8 26 1-3
SJA XI 12 01 37 09.7–.59 34.01S 72.94W 24–32 3.6W,3.2L ¶604738914
GUC XI 12 01 37 18.9–.61 33.95S 72.18W 41–6 3.1L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=19.1km s-min=22.6km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=4.9km az=-1.0.
ISC XI 12 04 25 11.8–3.3 33.99S–.06 72.1W–.10 10–19 31 1-84
IDC XI 12 04 25 11.7–3.5 33.98S 71.71W 0 3.7,3.5L ¶602389272
GUC XI 12 04 25 13.7–.56 33.98S 72.14W 43–10 3.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=96.7km s-min=22.0km az=94.0.
GUC Error ellipse: s-maj=3.7km s-min=7.0km az=-1.0.
ISC XI 14 19 55 02.7–1.7 29.64S–.04 72.07W–.08 10 42 1-6
SJA XI 14 19 55 00.3–.60 29.44S 72.44W 10 3.9L,3.7W ¶604738977
GUC XI 14 19 55 03.4–.69 29.67S 72.01W 43–5 4.1L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
GUC Error ellipse: s-maj=3.4km s-min=6.1km az=-1.0.
ISC XI 19 14 09 02.2–2.4 33.96S–.05 72.2W–.10 25–16 4.0b 50 1-157
NEIC XI 19 14 08 58.7–2.6 33.97S 72.15W 1–16 4.2b,3.8L ¶601992947
IDC XI 19 14 08 59.0–.83 34.00S 72.14W 0 3.9L,3.9
GUC XI 19 14 09 00.6–.60 33.97S 72.37W 37–3 3.8L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.8km az=94.0.
IDC Error ellipse: s-maj=38.1km s-min=16.7km az=89.0.
GUC Error ellipse: s-maj=2.1km s-min=4.5km az=-1.0.
ISC XI 19 16 45 51.6–.61 33.93S–.03 72.31W–.05 23–4 5.1b,4.6s 595 1-179
ISCJB XI 19 16 45 47.2–1.1 33.92S–.02 72.44W–.03 1–6 5.1b,4.5s ¶601992979
IDC XI 19 16 45 48.9–.48 33.97S 72.09W 0 4.7,4.6
SJA XI 19 16 45 49.5–.54 33.64S 72.92W 54–7 5.0L,4.5W
GUC XI 19 16 45 50.1–.57 33.96S 72.44W 33–3 4.9W,4.8L
NEIC XI 19 16 45 50.4–.36 33.93S 72.17W 11–2 5.1b,4.9W
MOS XI 19 16 45 52.8–1.2 33.94S 72.12W 33 5.2b,4.9W
GCMT XI 19 16 45 53.4–.30 33.92S–.02 72.42W–.02 21–1 5.1W,4.9W
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Navidad and Pichilemu; [III] at Las Cabras, Linares, Litueche, Paredones, Talca, Valparaiso and Vina del Mar; [II] at Colbun, Iloca, Maule, Parral, Rancagua, Rio Claro, San Antonio, San Clemente, Villa Alegre and Villa Alemana. Also felt at Las Condes, Puente Alto, Renca, San Bernardo and Santiago.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c47; s74,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.82±.20 $M_{\theta\theta}$-0.05±.13; $M_{\phi\phi}$-3.77±.15; $M_{r\theta}$-0.47±.22; $M_{\theta\phi}$0.17±.09; $M_{\phi r}$-3.69±.27; Best double couple: NP1:ϕ_s184.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s351.00000°,δ23.00000°,λ78.00000°. Principal axes: T 5.3650,Plg67.0000° ,Azm104.0000°; N -0.1000,Plg5.0000°,Azm2.0000°; P -5.2680,Plg22.0000°,Azm270.0000° M_o5.31700×10^{16}
ISC XI 20 08 49 46.4–4.1 31.80S–.06 72.4W–.10 7–29 22 1-4
SJA XI 20 08 49 49.0–1.1 32.02S 72.58W 53–28 3.5W,3.2L ¶604740166
GUC XI 20 08 49 50.7–.39 31.81S 72.11W 60–11 3.0L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=4.8km s-min=10.8km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=5.7km az=-1.0.
ISC XI 20 16 23 26.2–.66 33.93S–.03 72.33W–.04 24–4 5.3b,5.2s 999 1-179
SJA XI 20 16 23 18.7–.39 33.94S 72.82W 10–4 5.6L,3.8W ¶601993233
IDC XI 20 16 23 22.8–.38 33.88S 72.12W 0 5.1,5.0L
GUC XI 20 16 23 23.8–.48 33.98S 72.28W 10–8 5.3L,5.0L
ISCJB XI 20 16 23 24.7–1.0 33.94S–.02 72.43W–.04 23–7 5.3b,5.2s
NEIC XI 20 16 23 24.8–.53 33.92S 72.25W 16–3 5.4b,5.3L
MOS XI 20 16 23 24.9–1.3 33.86S 72.35W 21 5.5b,5.2s
BJI XI 20 16 23 26.2 33.90S 72.30W 20 5.5b,5.5s
GCMT XI 20 16 23 28.8–.10 33.99S–.01 72.40W–.01 19–0 5.4W,5.5s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Constitucion, Litueche, Longavi and Pichilemu; [IV] at Cauquenes, Curico, Hualane, Iloca, Linares, Lolol, Navidad, Paredones, Pelarco, Pencahue, Rio Claro, Romeral, Sagrada Familia, San Clemente, Santa Cruz, Santo Domingo and Talca; [III] at Algarrobo, Cartagena, Casablanca, Chanco, Colbun, Maule, Melipilla, Parral, Pelluhue, Rancagua, San Antonio, San Fernando, Santiago and Valparaiso. Felt in many parts of central Chile.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c130; s105,c179;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$-1.07±.02; $M_{r\theta}$-0.10±.04; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$-1.32±.06; Best double couple: NP1:ϕ_s185.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s16.00000°,δ20.00000°,λ100.00000°. Principal axes: T 1.6420,Plg64.0000° ,Azm90.0000°; N 0.1010,Plg3.0000°,Azm187.0000°; P -1.7430,Plg26.0000°,Azm278.0000° M_o1.69300×10^{17}
ISC XI 21 18 16 36.8–.98 33.96S–.03 72.19W–.04 11–5 5.1b,4.8s 576 1-176
SJA XI 21 18 16 30.3–.22 34.04S 73.24W 33 5.5L,4.5W ¶601993511
ISCJB XI 21 18 16 35.1–1.1 33.96S–.03 72.36W–.03 10–7 5.0b,4.7s
BJI XI 21 18 16 37.0 34.00S 72.10W 10 5.4b,5.3s
GUC XI 21 18 16 37.5–.66 33.99S 72.36W 10–10 5.1L,5.3s
NEIC XI 21 18 16 38.5–1.7 33.93S 72.10W 19–10 5.1L,5.1b
MOS XI 21 18 16 39.7–1.2 33.90S 72.05W 33 5.2b,5.1b
IDC XI 21 18 16 40.7–4.2 33.93S 72.02W 33–30 4.8,4.7
GCMT XI 21 18 16 41.5–.20 33.93S–.01 72.40W–.02 28–0 5.2W,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Navidad and Pichilemu; [IV] at Graneros, La Estrella, Rancagua and Santiago; [III] in the Linares-Vina del Mar area.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c79; s75,c111;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.62±.02; $M_{r\theta}$0.19±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-0.64±.03; Best double couple: NP1:ϕ_s169.00000°,δ69.00000°,λ79.00000°. NP2:ϕ_s19.00000°,δ24.00000°,λ118.00000°. Principal axes: T 0.9100,Plg64.0000° ,Azm60.0000°; N -0.0080,Plg11.0000°,Azm173.0000°; P -0.9020,Plg23.0000° ,Azm268.0000° M_o0.90600×10^{17}
ISC XI 21 21 36 22.2–.58 33.97S–.02 72.14W–.03 17–3 5.7b,5.6s 1625 1-179
SJA XI 21 21 36 08.1–.47 34.53S 73.02W 5–8 5.9L,4.2W ¶601993538
GUC XI 21 21 36 21.4–.53 34.01S 72.22W 12–7 5.6L,5.5W
NEIC XI 21 21 36 22.7–.09 33.94S 71.87W 18 5.9W,5.8W
ISCJB XI 21 21 36 22.2–1.0 33.87S–.02 72.05W–.04 26–7 5.6b,5.6s
IDC XI 21 21 36 22.7–2.3 33.94S 72.01W 17–13 5.6,5.6s
NEIC XI 21 21 36 22.0–.00 34.30S 71.96W 25 5.6,5.6s
BJI XI 21 21 36 23.0 33.96S 72.04W 20 6.0s,5.8
MOS XI 21 21 36 24.9–1.1 33.81S 72.06W 37 5.8b,5.6s
GCMT XI 21 21 36 26.7–.10 34.05S–.01 72.31W–.01 21–0 5.9W,5.6s
ISC Event type fe.
NEIC Event type fe. Felt [VI] at Litueche, Navidad and Pichilemu; [V] in much of Maule and Libertador General Bernardo O'Higgins. Felt as far as Chillan, Concepcion, Los Andes and Zapallar. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}4.66 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-3.17 $M_{r\theta}$1.05 $M_{\theta\phi}$1.36 $M_{\phi r}$-4.77 Best double couple: NP1:ϕ_s163.00000° ,δ69.00000°,λ97.00000°. NP2:ϕ_s324.00000°,δ22.00000°,λ73.00000°. Principal axes:

T 6.9300,Plg65.0000°,Azm84.0000°; N -0.8800,Plg6.0000°,Azm341.0000°
; P -6.0500,Plg24.0000°,Azm248.0000° $M_0$6.50000×10^{17} Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s350.00000°,δ35.00000°,λ90.00000°. NP2:
ϕ_s170.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm80.0000°
; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm260.0000°

ISCJB Event type fe.

NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-4.63 $M_{r\theta}$1.39 $M_{\theta\phi}$0.41 $M_{\phi r}$-7.01 Best double couple: NP1:ϕ_s170.00000°
,δ73.00000°,λ87.00000°. NP2:ϕ_s360.00000°,δ17.00000°,λ99.00000°. Principal axes:
T 8.5900,Plg61.0000°,Azm75.0000°; N -0.0900,Plg2.0000°,Azm170.0000°
; P -8.5000,Plg28.0000°,Azm262.0000° $M_0$8.50000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s128,c247; s128,c375;
Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}5.08±.06 $M_{\theta\theta}$0.35±.04; $M_{\phi\phi}$-5.43±.05;
$M_{r\theta}$1.40±.08; $M_{\theta\phi}$0.26±.04; $M_{\phi r}$-6.23±.14; Best double couple: NP1:ϕ_s169.00000°,δ70.00000°
,λ84.00000°. NP2:ϕ_s6.00000°,δ20.00000°,λ106.00000°. Principal axes:
T 8.1480,Plg64.0000°,Azm70.0000°; N 0.2540,Plg5.0000°,Azm171.0000°
; P -8.4050,Plg25.0000°,Azm264.0000° $M_0$8.27600×10^{17}

ISC	**XI**	**21 22 51 24.8–2.5**	**34.00S–.05**	**72.23W–.08**	**27–17**	**4.3b**	**59**	**1-176**
ISCJB	XI	21 22 51 21.8–1.2	34.00S–.04	72.38W–.05	22–9	4.2b		**¶601993547**
IDC	XI	21 22 51 21.2–.74	33.96S	72.01W	0	4.3,4.3		
GUC	XI	21 22 51 23.5–.43	34.01S	72.31W	35–2	4.1L,4.3		
NEIC	XI	21 22 51 23.0–.00	34.01S	72.31W	35	4.2b,4.1L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.8km az=29.6.

IDC Error ellipse: s-maj=32.1km s-min=14.4km az=90.0.

GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.

NEIC Event type se. After GUC.

ISC	**XI**	**21 22 52 29.4–.27**	**33.99S–.03**	**72.12W–.04**	**19**	**5.2b**	**721**	**1-179**
ISCJB	XI	21 22 52 27.5–.15	33.99S–.02	72.29W–.03	19	5.1b,4.6s		**¶601993548**
GUC	XI	21 22 52 28.4–.51	34.03S	72.38W	34–5	5.2L,4.6s		
NEIC	XI	21 22 52 29.4–2.4	33.92S	71.99W	16–14	5.2L,5.2b		
IDC	XI	21 22 52 29.9–6.2	33.99S	72.03W	20–38	4.8,4.8		
BJI	XI	21 22 52 30.0	34.00S	72.00W	20	5.3b,5.1s		
MOS	XI	21 22 52 31.1–1.1	33.96S	72.08W	37	5.3b,5.1s		
GCMT	XI	21 22 52 31.4–.40	34.04S–.03	72.49W–.04	33–1	5.1W,5.1s		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [IV] at Navidad and Pichilemu; [III] at Constitucion, Paredones, Rancagua, Rio Claro, Romeral, San Fernando, Santa Cruz, Santiago and Villa Alegre; [II] at Colbun, Curico, El Tabo, Maule, Molina, Pelarco, San Antonio, San Clemente, Talca and Villa Alemana. Also felt at Vina del Mar.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c39; s55,c64;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.19±.37 $M_{\theta\theta}$0.07±.27; $M_{\phi\phi}$-5.26±.23; $M_{r\theta}$0.50±.29;
$M_{\theta\phi}$-0.36±.16; $M_{\phi r}$-2.62±.24; Best double couple: NP1:ϕ_s177.00000°,δ58.00000°,λ83.00000°.
NP2:ϕ_s11.00000°,δ32.00000°,λ101.00000°. Principal axes: T 5.8660,Plg75.0000°
,Azm67.0000°; N 0.0200,Plg6.0000°,Azm181.0000°; P -5.8890,Plg13.0000°,Azm272.0000°
$M_0$5.87800×10^{16}

GUC	**XI**	**24 23 03 11.0–.40**	**33.98S**	**72.46W**	**7–12**	**3.5L**		
								¶604837461

GUC Error ellipse: s-maj=2.6km s-min=9.6km az=-1.0.

ISC	**XII**	**03 03 33 26.9–2.1**	**32.28S–.04**	**72.1W–.10**	**13–12**		**26**	**1-3**
SJA	XII	03 03 33 28.9–.69	32.34S	72.02W	10–10	4.7L,4.0W		**¶604740464**
GUC	XII	03 03 33 31.1–.55	32.31S	71.73W	57–8	3.3L,4.0W		

ISC Event type ke.

SJA Error ellipse: s-maj=8.7km s-min=11.1km az=-1.0.

GUC Error ellipse: s-maj=1.2km s-min=6.2km az=-1.0.

GUC	**XII**	**06 08 05 09.8–.50**	**37.30S**	**74.65W**	**23–6**	**3.6L**		
								¶604837608

GUC Error ellipse: s-maj=2.6km s-min=7.6km az=-1.0.

GUC	**XII**	**08 02 21 16.6–.37**	**38.24S**	**74.92W**	**15–2**	**3.5L**		
								¶604837621

GUC Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0.

GUC	**XII**	**08 21 20 30.9–.48**	**37.58S**	**74.66W**	**45**	**3.7L**		
								¶604837626

GUC Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.

ISC	**XII**	**15 14 59 54.2–1.1**	**37.17S–.06**	**74.2W–.10**	**35**	**3.5b**	**18**	**1-87**
GUC	XII	15 14 59 46.6–.60	37.18S	74.60W	22–5	3.9L		**¶602391391**
IDC	XII	15 14 59 50.1–1.8	37.19S	73.89W	0	3.8,3.7L		
ISCJB	XII	15 14 59 52.5–.85	37.27S–.06	74.1W–.10	33	3.6b,3.7L		

ISC Event type ke.

ISCJB Event type ke.

ISC	**XII**	**16 17 31 33.6–2.3**	**30.41S–.05**	**72.2W–.10**	**6–16**		**27**	**1-5**
SJA	XII	16 17 31 33.1–.69	30.22S	72.24W	7–7	3.9W,3.4L		**¶604741112**
GUC	XII	16 17 31 35.5–.72	30.42S	72.08W	15–21	3.5L,3.4L		

ISC Event type ke.

SJA Error ellipse: s-maj=4.8km s-min=6.2km az=-1.0.

GUC Error ellipse: s-maj=2.7km s-min=12.1km az=-1.0.

ISC	**XII**	**19 04 27 25.5–1.4**	**37.19S–.06**	**75.1W–.10**	**35**		**20**	**2-158**
IDC	XII	19 04 27 20.9–2.0	37.05S	75.02W	0	4.0L,3.9		**¶602391652**
ISCJB	XII	19 04 27 22.6–1.0	37.22S–.05	75.10W–.09	33	3.5b,3.9		
GUC	XII	19 04 27 25.9–.60	37.37S	74.83W	23–9	3.6L,3.9		

ISC Event type ke.

IDC Error ellipse: s-maj=61.1km s-min=28.2km az=55.0.

ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.3km az=169.6.

GUC Error ellipse: s-maj=3.9km s-min=7.8km az=-1.0.

ISC	**XII**	**20 17 43 01.7–2.5**	**33.62S–.08**	**72.3W–.10**	**13–12**		**19**	**1-4**
SJA	XII	20 17 42 58.4–.81	33.76S	73.12W	40–999	3.8W,3.7L		**¶604741168**
GUC	XII	20 17 43 07.5–.69	33.75S	72.05W	25–22	3.4L,3.7L		

ISC Event type ke.

SJA Error ellipse: s-maj=30.8km s-min=112.8km az=-1.0.

GUC Error ellipse: s-maj=2.9km s-min=6.0km az=-1.0.

GUC	**XII**	**22 20 29 40.5–.53**	**37.60S**	**74.31W**	**24–7**	**3.6L**		
								¶604837767

GUC Error ellipse: s-maj=3.0km s-min=7.2km az=-1.0.

ISC	**XII**	**23 03 00 40.5–.61**	**37.91S–.05**	**74.88W–.08**	**35**	**4.5b**	**70**	**2-156**
IDC	XII	23 03 00 34.7–.92	38.01S	75.05W	0	4.2,4.1		**¶602057914**
ISCJB	XII	23 03 00 39.2–.34	37.94S–.03	74.76W–.05	33	4.4b,4.1		
GUC	XII	23 03 00 41.1–.64	38.06S	74.67W	28–6	3.7L,4.1		
NEIC	XII	23 03 00 41.0–.00	38.05S	74.67W	40	4.6b,4.1		

ISC Event type se.

IDC Error ellipse: s-maj=28.3km s-min=19.3km az=69.0.

ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=4.0.

GUC Error ellipse: s-maj=3.5km s-min=12.7km az=-1.0.

NEIC Event type se. After GUC.

ISC	**XII**	**24 05 08 37.0–1.0**	**33.93S–.03**	**72.11W–.05**	**14–6**	**4.8b,4.2s**	**425**	**1-175**
SJA	XII	24 05 08 30.9–.65	34.09S	73.01W	33	4.9L,4.3W		**¶602056929**
IDC	XII	24 05 08 35.0–.59	33.98S	71.99W	0	4.5,4.4		
GUC	XII	24 05 08 36.9–.39	34.01S	72.16W	22–7	4.8L,4.4		
ISCJB	XII	24 05 08 37.1–1.1	33.97S–.03	72.30W–.04	26–8	4.6b,4.2s		
NEIC	XII	24 05 08 37.5–1.1	33.97S	71.94W	12–7	4.8L,4.8b		

ISC Event type fe.

SJA Error ellipse: s-maj=10.0km s-min=8.5km az=-1.0.

IDC Error ellipse: s-maj=24.9km s-min=16.7km az=60.0.

GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=24.3.

NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=89.0. Felt [III] at El Monte, Isla de Maipo, Marchihue, Maria Pinto, Melipilla, Navidad, Paredones, Pichilemu, Santo Domingo and Villa Alhue; [II] at El Parral, El Tabo, Padre Hurtado, Rancagua, San Antonio, San Pedro, Santiago and Talca. Also felt at Conchali, Renca, Vitacura and Vina del Mar.

ISC	**XII**	**24 14 04 57.8–2.6**	**32.60S–.04**	**72.04W–.08**	**5–15**		**37**	**1-156**
IDC	XII	24 14 04 56.9–1.2	32.46S	72.21W	0	3.7,3.7L		**¶602391994**
SJA	XII	24 14 05 01.9–.99	32.53S	72.13W	72–16	4.0W,3.7L		
GUC	XII	24 14 05 02.9–.54	32.57S	71.64W	25–5	3.7L,3.7L		

ISC Event type ke.

IDC Error ellipse: s-maj=42.9km s-min=29.6km az=82.0.

SJA Error ellipse: s-maj=6.7km s-min=12.9km az=-1.0.

GUC Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0.

ISC	**XII**	**25 17 01 56.7–.74**	**37.86S–.05**	**75.27W–.08**	**35**	**3.9b**	**42**	**2-90**
IDC	XII	25 17 01 52.1–1.1	37.98S	75.37W	0	4.1,4.0		**¶602354462**
ISCJB	XII	25 17 01 55.5–.59	37.86S–.04	75.13W–.06	33	4.1b,3.2s		
GUC	XII	25 17 01 55.4–.72	37.94S	75.04W	12–7	4.2L,3.2s		
NEIC	XII	25 17 01 55.0–.00	37.94S	75.04W	13	4.2L,4.2b		

ISC Event type se.

IDC Error ellipse: s-maj=32.3km s-min=22.7km az=86.0.

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=170.2.

GUC Error ellipse: s-maj=2.4km s-min=8.0km az=-1.0.

NEIC Event type se. After GUC.

ISC	**XII**	**27 00 37 07.9–.23**	**35.79S–.03**	**73.32W–.05**	**10**	**5.6s,5.1b**	**769**	**1-178**
GUC	XII	27 00 37 05.3–.64	35.85S	73.73W	30–5	5.2L,5.1W		**¶602059082**
ISCJB	XII	27 00 37 06.1–.13	35.74S–.02	73.38W–.03	10	5.6s,5.0b		
IDC	XII	27 00 37 06.2–.40	35.80S	73.39W	0	5.5,5.5s		
MOS	XII	27 00 37 08.3–1.2	35.73S	73.30W	18	5.7s,5.3b		
NEIC	XII	27 00 37 08.8–1.6	35.78S	73.26W	14–9	5.9W,5.7W		
NEIC	XII	27 00 37 10.0–.00	35.87S	73.52W	13	5.9W,5.7W		
BJI	XII	27 00 37 11.0	35.70S	73.20W	23	5.8,5.8s		
GCMT	XII	27 00 37 11.8–.10	35.89S–.01	73.77W–.01	12	5.8W,5.8s		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Cobquecura; [IV] at Cauquenes, Chillan, Concepcion, Constitucion, Longavi, Quirihue, San Pedro de la Paz and Tome; [III] at Chanco, Colbun, Lebu, Linares, Maule, Pelarco, Pelluhue, Retiro, Talca and Talcahuano; [II] at Pencahue. Also felt at Los Angeles and Santiago. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}2.65 $M_{\theta\theta}$0.85 $M_{\phi\phi}$-3.49 $M_{r\theta}$-0.71 $M_{\theta\phi}$0.26 $M_{\phi r}$-2.80 Best double couple: NP1:ϕ_s191.00000°
,δ67.00000°,λ104.00000°. NP2:ϕ_s338.00000°,δ26.00000°,λ60.00000°. Principal axes:
T 3.9200,Plg65.0000°,Azm124.0000°; N 0.6600,Plg13.0000°,Azm5.0000°
; P -4.5800,Plg21.0000°,Azm270.0000° $M_0$4.30000×10^{17}

NEIC Event type se. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}3.70 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-3.20 $M_{r\theta}$-1.65 $M_{\theta\phi}$-0.60 $M_{\phi r}$-7.71 Best double couple: NP1:ϕ_s192.00000°
,δ78.00000°,λ90.00000°. NP2:ϕ_s12.00000°,δ12.00000°,λ90.00000°. Principal axes:
T 8.8200,Plg57.0000°,Azm102.0000°; N -0.3800,Plg0.0000°,Azm12.0000°
; P -8.4400,Plg32.0000°,Azm282.0000° $M_0$8.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s113,c210; s128,c348;
Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.22±.03 $M_{\theta\theta}$0.09±.03; $M_{\phi\phi}$-3.30±.03;
$M_{r\theta}$-0.89±.08; $M_{\theta\phi}$-0.73±.02; $M_{\phi r}$-5.32±.08; Best double couple: NP1:ϕ_s190.00000°
,δ74.00000°,λ89.00000°. NP2:ϕ_s14.00000°,δ16.00000°,λ94.00000°. Principal axes:
T 6.2280,Plg61.0000°,Azm98.0000°; N 0.2350,Plg1.0000°,Azm190.0000°
; P -6.4560,Plg29.0000°,Azm281.0000° $M_0$6.34200×10^{17}

ISC	**XII**	**27 00 46 33.1–.55**	**35.82S–.04**	**73.59W–.09**	**35**	**4.3b**	**62**	**1-168**
IDC	XII	27 00 46 28.5–.67	35.78S	73.36W	0	5.4,5.4s		**¶602060862**
ISCJB	XII	27 00 46 31.2–.37	35.78S–.03	73.50W–.07	33	5.4s,4.2b		
GUC	XII	27 00 46 33.3–.89	35.93S	73.53W	35–5	4.3L,4.2b		
NEIC	XII	27 00 46 33.0–.00	35.93S	73.53W	35	4.3L,4.2b		

ISC Event type se.

IDC Error ellipse: s-maj=26.4km s-min=14.0km az=81.0.

ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.7km az=174.4.

GUC Error ellipse: s-maj=3.4km s-min=7.6km az=-1.0.

NEIC Event type se. After GUC.

ISC	**XII**	**27 00 57 07.3–.79**	**35.87S–.04**	**73.66W–.09**	**10**	**4.3b**	**44**	**1-157**
ISCJB	XII	27 00 57 05.3–.55	35.82S–.03	73.67W–.07	10	4.1b		**¶602060863**
IDC	XII	27 00 57 06.5–1.1	35.90S	73.40W	0	4.1,4.1b		
NEIC	XII	27 00 57 07.0–.00	35.87S	73.77W	30	4.1L,4.1b		
GUC	XII	27 00 57 07.0–.79	35.87S	73.77W	30	4.1L,4.1b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=7.6.

IDC Error ellipse: s-maj=41.4km s-min=17.8km az=92.0.

NEIC Event type se. After GUC.

GUC Error ellipse: s-maj=2.5km s-min=6.8km az=-1.0.

ISC	**XII**	**27 01 02 02.0–1.2**	**35.8S–.10**	**73.3W–.30**	**35**	**3.8b**	**8**	**5-86**
IDC	XII	27 01 01 56.6–1.3	35.78S	73.33W	0	3.9,3.9L		**¶602380684**
ISCJB	XII	27 01 01 60.0–1.0	35.8S–.10	73.4W–.30	33	3.6b,3.9L		

ISC Event type ke.

ISCJB Event type ke.

ISC	**XII**	**27 01 18 06.7–1.6**	**35.82S–.03**	**73.34W–.07**	**10–9**	**4.7b**	**122**	**1-178**
IDC	XII	27 01 18 05.6–.69	35.80S	73.29W	0	4.4b,4.4		**¶602059086**
ISCJB	XII	27 01 18 07.2–1.0	35.83S–.02	73.37W–.06	23–7	4.7b,4.4		
GUC	XII	27 01 18 08.3–.59	35.85S	73.43W	38–3	4.5L,4.4		
NEIC	XII	27 01 18 08.0–.00	35.85S	73.43W	38	4.7b,4.5L		
BJI	XII	27 01 18 08.7	35.80S	73.20W	25	5.3s,5.0		

ISC Event type fe.

IDC Error ellipse: s-maj=24.5km s-min=15.2km az=79.0.

ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=3.7km az=5.3.

GUC Error ellipse: s-maj=2.0km s-min=4.7km az=-1.0.

NEIC Event type fe. Felt [III] at Cobquecura and Concepcion; [II] at Cauquenes, Constitucion, Parral and San Pedro de la Paz. After GUC.

ISC	**XII**	**27 01 26 10.2–1.0**	**35.90S–.04**	**73.5W–.10**	**10**	**3.5b**	**31**	**1-71**
ISCJB	XII	27 01 26 08.5–.71	35.84S–.03	73.47W–.09	10	3.4b		**¶602380686**
IDC	XII	27 01 26 08.4–1.3	35.89S	73.43W	0	3.7,3.6		
GUC	XII	27 01 26 10.0–.62	35.82S	73.56W	29–4	3.5L,3.6		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=3.9km az=17.0.

IDC Error ellipse: s-maj=47.1km s-min=17.7km az=81.0.

GUC Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.

ISC	**XII**	**27 01 29 15.4–.56**	**35.87S–.03**	**73.48W–.07**	**10**	**4.5b**	**70**	**1-159**
ISCJB	XII	27 01 29 14.1–.42	35.81S–.03	73.51W–.06	10	4.3b,4.1s		**¶602060865**
IDC	XII	27 01 29 14.2–.83	35.83S	73.36W	0	4.3,4.2		
NEIC	XII	27 01 29 15.0–.00	35.84S	73.34W	15	4.4b,4.2L		
GUC	XII	27 01 29 15.4–.67	35.84S	73.34W	15–7	4.2L,4.2L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=9.9.

IDC Error ellipse: s-maj=28.7km s-min=17.3km az=92.0.

NEIC Event type fe. Felt [III] at Cobquecura, Linares and Longavi; [II] at Cauquenes, Constitucion, Maule, Retiro and Villa Alegre. After GUC.

GUC Error ellipse: s-maj=2.0km s-min=5.8km az=-1.0.

ISC	**XII**	**27 01 37 26.0–.59**	**35.84S–.03**	**73.46W–.07**	**10**	**4.1b**	**65**	**1-159**
ISCJB	XII	27 01 37 24.6–.45	35.82S–.03	73.48W–.06	10	4.0b		**¶602060866**
IDC	XII	27 01 37 24.5–.82	35.82S	73.33W	0	4.2,4.1		
NEIC	XII	27 01 37 26.0–.00	35.86S	73.33W	37	4.3b,4.1L		
GUC	XII	27 01 37 26.5–.65	35.86S	73.33W	37–6	4.1L,4.1L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=8.6.

IDC Error ellipse: s-maj=29.8km s-min=17.9km az=87.0.

NEIC Event type se. After GUC.

GUC Error ellipse: s-maj=2.5km s-min=7.0km az=-1.0.

ISC	**XII**	**27 02 08 27.1–.65**	**35.86S–.03**	**73.64W–.07**	**10**	**4.2b**	**58**	**1-159**
ISCJB	XII	27 02 08 25.7–.51	35.78S–.03	73.58W–.07	10	4.1b		**¶602060867**
IDC	XII	27 02 08 25.6–1.1	35.80S	73.53W	0	4.0,3.9		
NEIC	XII	27 02 08 27.0–.00	35.77S	73.68W	29	4.4b,4.2L		
GUC	XII	27 02 08 27.2–.39	35.77S	73.68W	29–4	4.2L,4.2L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.6km az=5.1.

IDC Error ellipse: s-maj=34.0km s-min=16.6km az=90.0.

NEIC Event type se. After GUC.

GUC Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.

ISC	**XII**	**27 02 12 00.9–.63**	**35.85S–.03**	**73.50W–.07**	**10**	**4.0b**	**64**	**1-159**
ISCJB	XII	27 02 11 59.7–.42	35.82S–.03	73.47W–.05	10	4.1b,3.7s		**¶602060868**
IDC	XII	27 02 11 59.9–.83	35.81S	73.27W	0	4.2,4.0		
NEIC	XII	27 02 12 01.0–.00	35.81S	73.56W	38	4.7b,4.2L		
GUC	XII	27 02 12 01.3–.66	35.81S	73.56W	38–4	4.2L,4.2L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=15.4.

IDC Error ellipse: s-maj=33.8km s-min=19.2km az=85.0.

NEIC Event type fe. Felt [III] at Cobquecura. After GUC.

GUC Error ellipse: s-maj=2.3km s-min=5.1km az=-1.0.

ISC	**XII**	**27 03 03 01.6–.42**	**35.78S–.03**	**73.43W–.06**	**10**	**4.7b,4.3s**	**135**	**1-178**
NEIC	XII	27 03 02 57.0–.00	35.77S	73.73W	12	4.7b,4.4L		**¶602059895**
GUC	XII	27 03 02 57.2–.53	35.77S	73.73W	12–9	4.4L,4.4L		
IDC	XII	27 03 02 59.5–.60	35.80S	73.42W	0	4.5,4.4		
ISCJB	XII	27 03 03 00.3–.27	35.76S–.03	73.37W–.05	10	4.7b,4.1s		

ISC Event type fe.

NEIC Event type fe. Felt [III] at Constitucion, Linares and Villa Alegre; [II] at Parral. Also felt at Chillan. After GUC.
ISCJB Event type fe.
ISC XII 27 03 07 53.4–1.5 35.8S–.10 73.3W–.30 35 4.1b 7 5-156
IDC XII 27 03 07 48.2–1.6 35.84S 73.31W 0 4.1,3.9 **¶602380688**
ISCJB XII 27 03 07 51.0–1.4 35.8S–.10 73.4W–.40 33 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 03 33 45.3–1.8 36.00S–.04 73.4W–.10 10 23 1-6
ISCJB XII 27 03 33 43.0–1.0 35.90S–.03 73.5W–.10 10 **¶604837807**
GUC XII 27 03 33 44.8–.38 35.88S 73.48W 35–2 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.4km az=6.3.
GUC Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0.
IDC XII 27 03 36 14.7–1.8 35.94S 73.67W 0 3.8,3.6
¶602380690
IDC Error ellipse: s-maj=80.9km s-min=21.4km az=69.0.
ISC XII 27 04 27 36.0–.47 35.85S–.03 73.33W–.06 10 4.5b,4.0s 94 1-168
NEIC XII 27 04 27 31.0–.00 35.83S 73.88W 16 4.5b,4.3L **¶602060873**
GUC XII 27 04 27 31.7–.43 35.82S 73.87W 15–6 4.3L,4.3L
ISCJB XII 27 04 27 34.3–.33 35.84S–.02 73.33W–.06 10 4.5b,4.0s
IDC XII 27 04 27 34.3–.62 35.83S 73.34W 0 4.3,4.2
ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=4.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=8.1.
IDC Error ellipse: s-maj=24.3km s-min=15.1km az=88.0.
ISC XII 27 07 57 14.7–1.2 36.34S–.07 74.31W–.10 35 13 1-85
IDC XII 27 07 57 10.3–1.6 36.02S 73.23W 0 4.0,3.8 **¶602380699**
ISCJB XII 27 07 57 14.5–1.2 36.24S–.07 74.28W–.09 33 3.5b,3.8
GUC XII 27 07 57 14.0–.41 36.24S 74.29W 30–6 2.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=33.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=8.9km az=143.7.
GUC Error ellipse: s-maj=3.8km s-min=6.3km az=-1.0.
ISC XII 27 08 07 36.4–.89 35.91S–.04 73.57W–.09 10 3.9b,3.3s 26 1-88
IDC XII 27 08 07 34.8–1.2 35.99S 73.49W 0 4.0,3.9L **¶602380700**
ISCJB XII 27 08 07 35.3–.64 35.85S–.03 73.55W–.07 10 3.9b,3.3s
GUC XII 27 08 07 36.7–.37 35.82S 73.60W 33–4 3.9L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=20.5km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=5.4.
GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
ISC XII 27 10 23 17.1–2.1 35.83S–.05 73.4W–.10 10 23 1-8
SJA XII 27 10 22 49.4–.60 36.67S 75.52W 10 4.1L,4.0W **¶604741313**
ISCJB XII 27 10 23 16.0–.94 35.75S–.03 73.5W–.10 10 4.1L,4.0W
GUC XII 27 10 23 17.2–.36 35.76S 73.37W 40–4 3.8L,4.0W
ISC Event type ke.
SJA Error ellipse: s-maj=28.5km s-min=38.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.6km az=6.8.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
ISC XII 27 11 22 56.1–1.1 35.81S–.05 73.3W–.10 35 3.5s 24 1-71
IDC XII 27 11 22 51.1–1.8 35.86S 73.58W 0 3.9,3.9L **¶602380711**
GUC XII 27 11 22 53.4–.67 35.79S 73.24W 30–7 3.9L,3.9L
ISCJB XII 27 11 22 54.5–.77 35.79S–.04 73.37W–.09 33 3.7b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 15 35 32.0–2.4 29.58S–.06 72.08W–.10 2–13 25 1-4
SJA XII 27 15 35 33.5–.43 29.58S 72.11W 10 3.3L,3.2W **¶604741323**
GUC XII 27 15 35 34.5–.62 29.58S 72.00W 51–13 3.5L,3.2W
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
GUC XII 28 21 46 00.0–.61 35.77S 73.78W 33–5 3.5L
¶604837822
GUC Error ellipse: s-maj=2.0km s-min=5.8km az=-1.0.
GUC XII 30 17 15 13.0–.47 35.75S 74.17W 19–9 3.6L
¶604837841
GUC Error ellipse: s-maj=3.5km s-min=4.5km az=-1.0.

(135) Near coast of central Chile.

ISC VII 01 23 39 09.1–.26 28.55S–.03 71.14W–.05 36–1 5.2b,4.8s 984 0-177
ISCJB VII 01 23 39 07.9–.11 28.38S–.02 70.93W–.04 39 5.2b,4.7s **¶601221107**
MOS VII 01 23 39 07.4–1.2 28.50S 70.92W 33 5.4b,4.7s
NEIC VII 01 23 39 08.8–.12 28.56S 70.88W 35 5.4L,5.4W
GUC VII 01 23 39 08.4–.95 28.67S 70.94W 55–5 5.4L,5.4W
GCMT VII 01 23 39 08.8–.20 28.66S 71.52W 40–0 5.3W,5.4W
IDC VII 01 23 39 09.1–.37 28.54S 70.99W 42–2 4.7,4.6
BJI VII 01 23 39 11.0 28.70S 70.80W 40 5.2s,5.1b
SJA VII 01 23 39 13.7–1.2 28.85S 71.09W 53–20 5.2L,5.1W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.3km az=162.0.
MOS Error ellipse: s-maj=13.6km s-min=5.8km az=102.5.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.0km az=77.0. Felt [V] at Huasco; [IV] at Copiapo, Tierra Amarilla and Vallenar; [III] at Alto del Carmen, Caldera, Coquimbo, Freirina, La Higuera and La Serena; [II] at Paiguano, Rio Hurtado and Vicuna. Moment Tensor Solution. s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.01 $M_{\theta\phi}$0.10 $M_{\phi r}$-1.05 Best double couple: NP1:ϕ_s178.00000°,δ78.00000°,λ95.00000°. NP2:ϕ_s337.00000° ,δ13.00000°,λ70.00000°. Principal axes: T 1.1900,Plg57.0000°,Azm94.0000° ; N -0.0600,Plg5.0000°,Azm357.0000°; P -1.1300,Plg32.0000°,Azm264.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.51 $M_{r\theta}$-0.03 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s182.00000° ,δ51.00000°,λ91.00000°. NP2:ϕ_s1.00000°,δ39.00000°,λ89.00000°. Principal axes: T 1.5900,Plg84.0000°,Azm97.0000°; N -0.0400,Plg1.0000°,Azm2.0000° ; P -1.5500,Plg6.0000°,Azm272.0000° $M_0$1.60000×10^{17}
GUC Error ellipse: s-maj=3.0km s-min=15.6km az=-1.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s90,c138; s99,c156; Duration: 1$\dot{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.85±.02 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-0.95±.02; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.07±.01; $M_{\phi r}$-0.50±.02; Best double couple: NP1:ϕ_s165.00000°,δ62.00000° ,λ70.00000°. NP2:ϕ_s23.00000°,δ34.00000°,λ123.00000°. Principal axes: T 1.0910,Plg67.0000°,Azm37.0000°; N -0.0070,Plg18.0000°,Azm175.0000° ; P -1.0840,Plg15.0000°,Azm270.0000° $M_0$1.08800×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=77.0.
SJA Error ellipse: s-maj=8.4km s-min=12.0km az=-1.0.
ISC VII 02 12 25 57.8–3.3 33.2S–.10 71.6W–.20 68–14 19 0-3
SJA VII 02 12 25 58.4–.71 33.01S 71.46W 72–4 3.5W,2.6L **¶603976693**
GUC VII 02 12 26 01.1–.50 32.80S 70.97W 70–5 3.1L,2.6L
ISC Event type ke.
SJA Error ellipse: s-maj=8.3km s-min=10.7km az=-1.0.
GUC Error ellipse: s-maj=9.9km s-min=9.7km az=-1.0.
ISC VII 02 17 28 45.9–2.6 32.58S–.06 71.9W–.10 8–13 20 1-3
GUC VII 02 17 28 46.2–.71 32.83S 71.94W 19–7 3.2L **¶603976694**
SJA VII 02 17 28 46.0–.56 32.86S 71.95W 4–7 3.7W,3.0L
ISC Event type ke.
GUC Error ellipse: s-maj=5.5km s-min=6.0km az=-1.0.
SJA Error ellipse: s-maj=10.3km s-min=9.5km az=-1.0.
ISC VII 02 20 05 47.0–2.6 30.93S–.05 71.9W–.10 2–14 22 1-4
SJA VII 02 20 05 49.1–.54 30.99S 72.05W 13–8 3.7W,3.1L **¶603976696**
GUC VII 02 20 05 51.5–.77 30.94S 71.66W 20–118 3.0L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=7.3km az=-1.0.
GUC Error ellipse: s-maj=50.8km s-min=123.4km az=-1.0.
ISC VII 03 23 51 17.5–2.3 33.74S–.06 71.90W–.10 17–18 23 1-4
SJA VII 03 23 51 12.0–.44 33.62S 72.56W 18–143 3.6W,3.3L **¶603976706**
GUC VII 03 23 51 16.7–.58 33.66S 71.97W 32 3.2L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=45.7km s-min=121.2km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=3.5km az=-1.0.
ISC VII 04 07 03 20.3–1.2 38.00S–.05 73.5W–.10 22 3.3b 12 1-151
IDC VII 04 07 03 16.9–1.9 38.06S 73.51W 0 3.6,3.4 **¶601663462**
ISCJB VII 04 07 03 18.1–1.1 38.06S–.06 73.7W–.10 22 3.3b,3.4
GUC VII 04 07 03 18.9–.42 38.03S 73.69W 34–3 3.9L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=19.4km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=7.4km az=159.6.
GUC Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.
ISC VII 04 22 07 03.5–.97 37.48S–.04 73.9W–.10 35 4.0b 24 1-87
IDC VII 04 22 06 58.3–1.0 37.47S 73.99W 0 3.9,3.7 **¶601663498**
GUC VII 04 22 06 59.9–.33 37.47S 74.04W 25–5 4.0L,3.7
ISCJB VII 04 22 07 01.3–.72 37.47S–.04 73.93W–.10 33 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 04 22 57 16.0–.42 37.49S–.05 73.99W–.07 10 4.7b,3.9s 87 1-175
ISCJB VII 04 22 57 14.0–.32 37.48S–.03 74.04W–.06 10 4.5b,3.9s **¶601242102**
IDC VII 04 22 57 14.2–.65 37.43S 73.99W 0 4.5,4.4
GUC VII 04 22 57 16.1–.61 37.53S 74.08W 21–11 4.8L,4.4
NEIC VII 04 22 57 16.0–.00 37.63S 74.08W 21 4.8L,4.6b
BJI VII 04 22 57 17.5 37.60S 74.10W 21 4.8s,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=3.7.
IDC Error ellipse: s-maj=26.4km s-min=14.0km az=85.0.
GUC Error ellipse: s-maj=2.6km s-min=6.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Arauco, Concepcion, Coronel, Hualpen, Lebu, Lota and Talcahuano; [III] at Chiguayante, San Pedro and San Pedro de la Paz; [II] at Penco. After GUC.
ISC VII 05 01 27 34.1–1.1 34.77S–.04 71.77W–.07 27–10 22 0-4
GUC VII 05 01 27 32.5–.56 34.77S 71.77W 45–2 3.6L **¶603976720**
ISCJB VII 05 01 27 34.0–.69 34.77S–.05 71.76W–.08 28–7 3.6L
SJA VII 05 01 27 34.0–.98 34.80S 71.54W 30 3.7W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.9km az=28.8.
SJA Error ellipse: s-maj=4.8km s-min=13.7km az=-1.0.
ISC VII 05 05 52 58.2–2.0 34.39S–.04 72.46W–.08 4–12 3.7b 39 1-153
IDC VII 05 05 52 57.5–1.5 34.46S 72.63W 0 3.7,3.7L **¶601258047**
ISCJB VII 05 05 52 58.2–1.4 34.45S–.04 72.69W–.07 20–11 3.5b,3.7L
NEIC VII 05 05 53 00.0–.00 34.49S 72.64W 39 4.0L,3.9b
GUC VII 05 05 53 00.0–.57 34.49S 72.64W 39–25 4.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=66.0km s-min=26.8km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=10.3.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=18.5km s-min=6.8km az=-1.0.
ISC VII 05 06 24 06.5–2.4 34.19S–.07 72.2W–.20 14–12 19 1-3
SJA VII 05 06 24 00.0–.73 34.21S 73.02W 40–32 3.6W,3.2L **¶603976722**
ISCJB VII 05 06 24 08.5–2.7 34.12S–.06 72.1W–.20 12–26 3.6W,3.2L
GUC VII 05 06 24 08.6–.69 34.16S 72.16W 60–68 3.1L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=41.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=7.2km az=19.5.
GUC Error ellipse: s-maj=22.8km s-min=20.1km az=-1.0.
ISC VII 05 11 46 55.5–2.2 34.71S–.05 72.6W–.10 26–20 20 1-6
GUC VII 05 11 46 52.4–.71 34.69S 72.78W 24–17 3.6L **¶603976725**
ISC Event type ke.
GUC Error ellipse: s-maj=12.2km s-min=9.3km az=-1.0.
ISC VII 06 00 05 07.0–2.0 29.13S–.05 71.6W–.10 31 16 1-5
SJA VII 06 00 04 58.4–.61 28.78S 72.13W 32–26 3.7L,3.4W **¶603976730**
ISCJB VII 06 00 05 09.1–1.4 29.21S–.05 71.5W–.10 31 3.7L,3.4W
GUC VII 06 00 05 10.4–.48 29.29S 70.94W 64–3 3.4L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=11.2km s-min=17.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.0km az=13.1.
GUC Error ellipse: s-maj=2.6km s-min=19.7km az=-1.0.
GUC VII 07 06 20 08.9–.56 37.75S 73.34W 34–3 3.5L
¶604836276
GUC Error ellipse: s-maj=1.4km s-min=5.2km az=-1.0.
ISC VII 07 10 52 14.7–.86 32.50S–.04 71.65W–.05 33–4 4.8b,3.7s 383 1-175
IDC VII 07 10 52 09.9–.44 32.50S 71.65W 0 4.6,4.5L **¶601243989**
BJI VII 07 10 52 13.9 32.50S 71.60W 29 4.9b,4.5L
GUC VII 07 10 52 14.2–.70 32.68S 71.82W 19–5 4.4L,4.5L
ISCJB VII 07 10 52 15.7–.53 32.40S–.03 71.49W–.06 50–5 4.7b,3.7s
NEIC VII 07 10 52 15.3–1.3 32.50S 71.60W 33–9 4.8b,4.4L
SJA VII 07 10 52 16.7–1.1 32.45S 71.38W 8–13 4.4L,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=12.0km az=83.0.
GUC Error ellipse: s-maj=4.8km s-min=3.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.3km az=170.9.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=3.5km az=80.0. Felt [IV] at Zapallar, [III] at Quillota and Villa Alemana and [II] at Vina del Mar. Also felt at San Antonio.
SJA Error ellipse: s-maj=4.8km s-min=25.6km az=-1.0.
ISC VII 07 13 35 05.6–2.1 32.58S–.04 71.4W–.10 16–14 20 1-3
SJA VII 07 13 35 02.4–1.1 33.04S 71.82W 26–13 3.7W,3.3L **¶603976740**
GUC VII 07 13 35 06.0–.51 32.79S 71.54W 31–5 3.5L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=18.0km s-min=14.9km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0.
ISC VII 09 01 44 27.1–.64 35.19S–.04 72.00W–.06 45–5 4.5b 96 0-174
SJA VII 09 01 44 21.4–.65 35.42S 72.43W 63–15 4.1W,4.0L **¶601246364**
ISCJB VII 09 01 44 26.6–.57 35.25S–.04 72.05W–.07 56–4 4.5b,4.0L
NEIC VII 09 01 44 27.0–.00 35.21S 72.07W 50 4.5b,4.1L
GUC VII 09 01 44 27.4–.55 35.21S 72.07W 50–2 4.1L,4.1L
BJI VII 09 01 44 28.0 35.20S 72.10W 50 4.1L,4.1L
IDC VII 09 01 44 28.9–3.3 35.25S 71.90W 63–28 4.0L,3.9
ISC Event type fe.
SJA Error ellipse: s-maj=6.0km s-min=17.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.5km az=18.0.
NEIC Event type fe. Felt [IV] at Talca; [III] at Constitucion, Iloca, Longavi, Pelarco and Pencahue; [II] at Curico, Parral, Rio Claro and Villa Alegre. After GUC.
GUC Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=18.1km az=89.0.
ISC VII 09 10 59 30.1–2.7 31.61S–.06 71.7W–.10 0–16 23 1-4
SJA VII 09 10 59 32.9–1.1 31.74S 71.94W 40–999 3.5W,3.5L **¶603976753**
GUC VII 09 10 59 33.2–.38 31.63S 71.45W 28–8 3.5L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=8.9km s-min=12.0km az=-1.0.
GUC Error ellipse: s-maj=0.8km s-min=11.0km az=-1.0.
GUC VII 09 13 50 35.3–.44 31.49S 71.94W 47–10 3.7L
¶604836287
GUC Error ellipse: s-maj=0.8km s-min=11.8km az=-1.0.
ISC VII 09 14 24 38.8–.77 37.68S–.05 73.7W–.10 23 4.2b 26 1-160
ISCJB VII 09 14 24 37.0–.63 37.69S–.04 73.80W–.09 23 4.3b **¶601258061**
IDC VII 09 14 24 36.1–1.0 37.61S 73.36W 0 4.1,4.0
NEIC VII 09 14 24 37.0–.00 37.70S 73.87W 30 4.3L,4.3b
GUC VII 09 14 24 37.3–.73 37.70S 73.87W 30–6 4.3L,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.9km az=3.0.
IDC Error ellipse: s-maj=35.0km s-min=20.2km az=77.0.
NEIC Event type fe. Felt [IV] at Curanilahue, Lebu and Los Alamos; [III] at Arauco and Canete; [II] at Concepcion. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=7.9km az=-1.0.
ISC VII 11 00 35 02.1–2.1 29.62S–.04 71.72W–.09 11–11 35 1-6
ISCJB VII 11 00 35 04.1–1.2 29.66S–.04 71.67W–.07 25–7 **¶603976781**
GUC VII 11 00 35 05.8–.67 29.67S 71.45W 40–3 4.1L
SJA VII 11 00 35 05.3–.73 29.76S 71.35W 9–6 3.9L,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.7km az=13.7.
GUC Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0.
ISC VII 11 10 46 23.0–2.7 31.71S–.03 71.88W–.10 6–15 28 1-6
SJA VII 11 10 46 22.2–.71 31.80S 72.27W 35–14 4.3W,4.0L **¶603976787**
GUC VII 11 10 46 25.3–.65 31.70S 71.52W 24–12 4.1L,4.0L

ISC Event type ke.
SJA Error ellipse: s-maj=3.2km s-min=12.6km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=19.9km az=-1.0.
GUC VII 14 12 42 18.8–.36 36.12S 72.02W 135–4 3.8L
¶604836328
GUC Error ellipse: s-maj=2.4km s-min=11.2km az=-1.0.
GUC VII 15 18 33 25.5–.58 34.81S 72.66W 20–6 3.5L
¶604836335
GUC Error ellipse: s-maj=2.4km s-min=4.5km az=-1.0.
ISC VII 16 09 01 11.7–2.1 31.89S–.04 71.49W–.09 57–56 28 1-4
ISCJB VII 16 09 01 10.8–1.1 31.89S–.03 71.50W–.08 75–26 **¶603976838**
SJA VII 16 09 01 10.9–.69 31.91S 71.38W 67–13 3.6W,2.6L
GUC VII 16 09 01 11.6–.48 31.83S 71.05W 65–28 2.9L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.7km az=173.7.
SJA Error ellipse: s-maj=3.7km s-min=4.2km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=26.7km az=-1.0.
ISC VII 16 18 24 14.5–4.4 32.6S–.10 71.7W–.20 65–25 18 1-3
SJA VII 16 18 24 12.4–.82 32.41S 71.70W 35–9 3.3W,2.4L **¶603976839**
GUC VII 16 18 24 16.8–.43 32.39S 71.17W 55–4 2.6L,2.4L
ISC Event type ke.
SJA Error ellipse: s-maj=12.0km s-min=11.7km az=-1.0.
GUC Error ellipse: s-maj=5.5km s-min=10.0km az=-1.0.
ISC VII 17 22 03 25.6–.94 31.33S–.02 71.36W–.05 33–3 4.0b 69 1-174
NEIC VII 17 22 03 26.0–.00 31.30S 71.21W 52 4.1L,4.0b **¶601643162**
GUC VII 17 22 03 26.9–.83 31.30S 71.21W 52–10 4.1L,4.0b
SJA VII 17 22 03 27.9–.72 31.29S 71.36W 40–999 4.8W,4.2L
IDC VII 17 22 03 29.5–3.5 31.34S 70.96W 62–30 3.9,3.8L
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Salamanca; [III] at Punitaqui and Rio Hurtado; [II] at Combarbala, Illapel, Monte Patria and Ovalle. Also felt at Santiago. After GUC.
GUC Error ellipse: s-maj=1.7km s-min=14.8km az=-1.0.
SJA Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=41.6km s-min=27.5km az=100.0.
ISC VII 18 00 26 42.8–1.5 29.38S–.04 71.35W–.08 32–10 4.0b 33 1-153
SJA VII 18 00 26 42.3–.48 29.51S 71.19W 10 4.5W,4.3L **¶601404405**
GUC VII 18 00 26 44.8–.67 29.49S 70.62W 53–45 4.0L,4.3L
IDC VII 18 00 26 45.5–3.9 29.43S 70.78W 69–30 3.7,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=14.2km s-min=159.8km az=-1.0.
IDC Error ellipse: s-maj=56.5km s-min=23.6km az=107.0.
ISC VII 18 13 15 11.9–1.8 34.08S–.05 72.34W–.08 15–10 3.9b 34 1-157
IDC VII 18 13 15 10.7–1.1 34.00S 71.50W 0 4.0L,3.9 **¶601664787**
GUC VII 18 13 15 13.1–.52 34.08S 72.02W 20–15 3.4L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=24.8km az=79.0.
GUC Error ellipse: s-maj=2.9km s-min=9.4km az=-1.0.
ISC VII 20 03 12 15.9–2.7 34.28S–.05 72.4W–.10 10–14 28 1-4
GUC VII 20 03 12 18.8–.55 34.26S 72.31W 25–5 3.7L **¶603976888**
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=5.1km az=-1.0.
ISC VII 20 08 14 38.5–4.0 32.67S–.09 71.5W–.20 29–18 20 1-3
SJA VII 20 08 14 37.7–.40 32.67S 71.57W 10 3.2W,2.4L **¶603976893**
GUC VII 20 08 14 38.1–.70 32.61S 71.48W 37–10 2.8L,2.4L
ISC Event type ke.
SJA Error ellipse: s-maj=4.1km s-min=8.8km az=-1.0.
GUC Error ellipse: s-maj=7.4km s-min=9.5km az=-1.0.
SJA VII 22 22 23 30.8–.65 31.54S 71.56W 10–33 3.6W,2.8L
¶604391970
SJA Error ellipse: s-maj=5.5km s-min=30.4km az=-1.0.
ISC VII 23 03 29 41.8–2.5 32.34S–.04 71.9W–.10 5–13 25 1-4
SJA VII 23 03 29 43.7–.26 32.07S 72.22W 33 3.0W,2.8L **¶603976936**
GUC VII 23 03 29 46.8–.64 32.28S 71.35W 13–9 2.5L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=16.5km s-min=13.4km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=16.1km az=-1.0.
ISC VII 23 22 43 16.6–1.7 34.35S–.05 72.2W–.10 22–8 22 1-5
GUC VII 23 22 43 17.4–.47 34.31S 72.17W 34–2 3.5L **¶603976944**
SJA VII 23 22 43 19.3–.65 34.47S 72.12W 29–8 3.8W,3.4L
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
SJA Error ellipse: s-maj=6.6km s-min=14.7km az=-1.0.
ISC VII 25 02 10 57.8–1.9 32.50S–.03 71.51W–.09 20–5 27 1-5
ISCJB VII 25 02 10 59.2–1.5 32.64S–.05 71.70W–.09 16–10 **¶603976971**
SJA VII 25 02 10 59.2–2.9 32.76S 71.73W 11–21 3.0W,2.8L
GUC VII 25 02 11 00.5–.49 32.57S 71.40W 34–2 2.4L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.4km az=169.6.
SJA Error ellipse: s-maj=40.7km s-min=31.0km az=-1.0.
GUC Error ellipse: s-maj=5.1km s-min=7.0km az=-1.0.
ISC VII 25 21 45 48.7–2.5 33.00S–.09 71.7W–.10 8–15 18 1-5
ISCJB VII 25 21 45 48.3–1.6 32.94S–.08 71.79W–.07 8–8 **¶603976976**
SJA VII 25 21 45 49.1–.45 33.00S 71.69W 32–4 3.3W,3.0L
GUC VII 25 21 45 50.1–.45 32.73S 71.59W 37–7 3.2L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=10.0km az=12.3.
SJA Error ellipse: s-maj=5.8km s-min=8.3km az=-1.0.
GUC Error ellipse: s-maj=11.1km s-min=9.9km az=-1.0.
ISC VII 26 21 51 03.4–2.5 29.98S–.05 71.77W–.10 8–14 19 1-6
GUC VII 26 21 51 04.1–.53 30.00S 71.79W 54–13 3.4L **¶603976997**
SJA VII 26 21 51 06.7–.81 30.06S 71.72W 13–46 3.6W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=3.5km s-min=6.7km az=-1.0.
SJA Error ellipse: s-maj=11.0km s-min=37.6km az=-1.0.
GUC VII 28 20 28 52.6–.56 34.62S 71.81W 11–2 3.7L
¶604836429
GUC Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
ISC VII 30 17 33 05.5–2.6 29.57S–.04 71.9W–.10 2–14 22 1-6
GUC VII 30 17 33 06.5–.41 29.62S 71.91W 42–4 3.5L **¶603977051**
SJA VII 30 17 33 09.8–.86 29.70S 72.02W 48–26 3.9W,3.7L
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
SJA Error ellipse: s-maj=9.1km s-min=12.4km az=-1.0.
ISC VII 30 23 16 27.4–2.2 34.95S–.06 72.4W–.10 5–15 19 0-5
SJA VII 30 23 16 23.1–2.0 35.44S 73.27W 78 3.2W,3.2L **¶603977053**
GUC VII 30 23 16 32.8–.50 35.07S 72.28W 27–2 3.6L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=41.3km s-min=86.7km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=3.9km az=-1.0.
ISC VII 31 04 38 58.7–2.5 32.44S–.05 71.3W–.10 8–13 23 1-3
GUC VII 31 04 38 59.2–.53 32.42S 71.17W 14–5 2.9L **¶603977062**
SJA VII 31 04 38 59.2–.59 32.44S 71.25W 3–5 3.4W,2.4L
ISC Event type ke.
GUC Error ellipse: s-maj=3.2km s-min=7.4km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=5.5km az=-1.0.
ISC VII 31 15 43 26.6–2.5 32.73S–.05 71.7W–.10 3–12 31 1-5
SJA VII 31 15 43 22.8–.34 32.81S 72.01W 10 3.2L,3.0W **¶603977065**
GUC VII 31 15 43 27.1–.45 32.63S 71.63W 14–1 3.0L,3.0W
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.
ISC VIII 02 23 58 28.1–4.1 32.90S–.09 71.7W–.10 4–19 16 1-3
SJA VIII 02 23 58 30.8–.34 32.73S 71.66W 30 3.7W,3.2L **¶603977094**
GUC VIII 02 23 58 31.1–.59 32.73S 71.42W 28–6 3.4L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=5.7km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=10.1km s-min=10.0km az=-1.0.
ISC VIII 03 09 15 59.2–2.2 33.82S–.04 71.94W–.09 9–15 31 1-7
GUC VIII 03 09 16 00.7–.63 33.76S 71.97W 25–19 3.2L **¶603977101**
SJA VIII 03 09 16 02.2–1.0 33.66S 72.14W 61–20 3.6W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
SJA Error ellipse: s-maj=9.8km s-min=11.2km az=-1.0.
ISC VIII 04 05 12 19.1–3.6 31.04S–.04 71.57W–.09 17–26 25 1-6
SJA VIII 04 05 12 18.5–.75 31.02S 71.52W 30 3.4W,3.4L **¶603977113**
ISCJB VIII 04 05 12 19.3–1.3 31.03S–.03 71.59W–.08 25–11 3.4W,3.4L
GUC VIII 04 05 12 22.2–.72 31.06S 70.96W 68–17 3.5L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.3km az=9.9.
GUC Error ellipse: s-maj=2.1km s-min=64.4km az=-1.0.
ISC VIII 04 09 08 32.5–2.5 32.16S–.04 71.7W–.10 10–15 3.7b 23 1-153
IDC VIII 04 09 08 31.8–1.0 32.02S 71.48W 0 3.8,3.8L **¶601765442**
GUC VIII 04 09 08 35.6–.58 32.41S 71.97W 30–3 3.6L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=21.1km az=92.0.
GUC Error ellipse: s-maj=3.5km s-min=3.4km az=-1.0.
GUC VIII 04 15 52 16.9–.41 38.03S 73.72W 16–3 3.5L
¶604836474
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
ISC VIII 08 07 47 05.0–2.1 34.00S–.06 71.48W–.08 4–15 24 1-4
SJA VIII 08 07 47 07.4–.86 33.93S 71.66W 49–55 3.8W,3.2L **¶603977167**
ISCJB VIII 08 07 47 08.0–1.5 34.03S–.04 71.40W–.07 12–11 3.8W,3.2L
GUC VIII 08 07 47 08.7–.51 34.01S 71.39W 57–9 3.5L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=7.2km s-min=16.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.2km az=31.1.
GUC Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
ISC VIII 08 08 12 37.0–2.2 33.62S–.05 71.55W–.08 3–19 22 1-3
SJA VIII 08 08 12 36.6–.74 33.53S 71.64W 27–8 3.4W,3.1L **¶603977168**
GUC VIII 08 08 12 38.7–.68 33.43S 71.36W 58–9 3.5L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=10.3km s-min=15.4km az=-1.0.
GUC Error ellipse: s-maj=4.8km s-min=6.0km az=-1.0.
ISC VIII 09 02 33 01.2–2.4 32.55S–.05 71.5W–.10 19–4 24 1-4
SJA VIII 09 02 33 01.9–.51 32.68S 71.61W 13–7 3.1W,2.5L **¶603977176**
GUC VIII 09 02 33 02.9–.49 32.65S 71.41W 33–2 3.0L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=6.4km s-min=10.5km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
ISC VIII 09 21 51 43.9–1.5 28.70S–.04 71.44W–.06 10–9 4.3b 46 1-153
IDC VIII 09 21 51 43.6–.98 28.85S 71.21W 0 4.6b,4.1 **¶601551755**
NEIC VIII 09 21 51 47.0–.00 28.74S 71.42W 42 4.3L,4.0b
GUC VIII 09 21 51 47.5–.68 28.74S 71.42W 42–3 4.3L,4.0b
SJA VIII 09 21 51 51.7–.62 28.91S 71.49W 42 4.3W,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=41.9km s-min=29.3km az=5.0.
NEIC Event type fe. Felt [III] at Copiapo, Freirina, Huasco and Tierra Amarilla; [II] at La Higuera and Vallenar. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=7.0km s-min=6.8km az=-1.0.
ISC VIII 09 22 18 06.3–6.6 30.42S–.04 71.47W–.08 38–8 28 1-5
ISCJB VIII 09 22 18 05.8–.96 30.41S–.03 71.4W–.10 57–12 **¶603977181**
GUC VIII 09 22 18 05.9–.60 30.41S 70.94W 73–2 3.8L
SJA VIII 09 22 18 09.3–1.0 30.52S 71.08W 41–13 3.7W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=5.5km az=178.4.
GUC Error ellipse: s-maj=1.5km s-min=23.3km az=-1.0.
SJA Error ellipse: s-maj=5.7km s-min=13.9km az=-1.0.
ISC VIII 09 22 42 29.3–2.9 28.40S–.07 71.4W–.10 2–16 18 1-5
GUC VIII 09 22 42 30.5–.60 28.35S 71.09W 42–6 3.4L **¶603977182**
SJA VIII 09 22 42 33.6–1.4 28.55S 71.27W 16–8 3.6W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=8.9km az=-1.0.
SJA Error ellipse: s-maj=10.4km s-min=14.9km az=-1.0.
ISC VIII 11 10 21 00.7–2.2 34.69S–.05 71.9W–.10 14–15 24 0-4
SJA VIII 11 10 20 51.4–.66 34.44S 73.00W 2–8 3.5W,3.1L **¶603977202**
GUC VIII 11 10 21 01.9–.56 34.60S 71.90W 30–3 3.3L,3.1L
ISCJB VIII 11 10 21 02.6–1.3 34.61S–.05 71.9W–.10 17–14 3.3L,3.1L
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 13 06 08 43.4–1.5 34.04S–.04 72.21W–.09 28–15 28 1-5
GUC VIII 13 06 08 40.6–.55 34.00S 72.31W 37–3 3.3L **¶603977224**
SJA VIII 13 06 08 42.4–.34 34.10S 72.00W 4–999 3.6L,3.3W
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0.
SJA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VIII 14 07 02 51.8–1.5 34.68S–.07 71.9W–.10 22–12 26 0-7
SJA VIII 14 07 02 39.7–.91 34.91S 72.92W 33 3.8L,3.3W **¶603977240**
GUC VIII 14 07 02 50.9–.67 34.76S 71.71W 41–16 3.6L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=15.6km s-min=17.4km az=-1.0.
GUC Error ellipse: s-maj=12.5km s-min=5.6km az=-1.0.
GUC VIII 15 16 00 26.6–.43 38.06S 73.74W 23–3 3.8L
¶604836542
GUC Error ellipse: s-maj=1.1km s-min=4.3km az=-1.0.
ISC VIII 15 16 03 42.7–1.2 38.08S–.05 73.6W–.10 22 3.7b 15 1-151
IDC VIII 15 16 03 39.7–1.9 38.08S 73.49W 0 3.9,3.8b **¶601765892**
ISCJB VIII 15 16 03 40.7–1.1 38.11S–.05 73.9W–.10 22 3.7b,3.8b
GUC VIII 15 16 03 41.2–.41 38.13S 73.85W 20–3 3.9L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=64.0km s-min=17.3km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.3km az=161.6.
GUC Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0.
ISC VIII 16 23 00 49.1–2.3 32.59S–.04 71.6W–.10 17–11 25 1-4
GUC VIII 16 23 00 52.0–.50 32.61S 71.37W 37–3 2.9L **¶603977256**
SJA VIII 16 23 00 52.6–.73 32.54S 71.31W 10–11 2.9W,2.4L
ISC Event type ke.
GUC Error ellipse: s-maj=3.4km s-min=6.6km az=-1.0.
SJA Error ellipse: s-maj=6.2km s-min=7.2km az=-1.0.
ISC VIII 20 02 18 03.2–3.3 34.24S–.06 72.2W–.10 6–25 19 1-3
ISCJB VIII 20 02 18 03.4–1.7 34.26S–.05 72.1W–.10 3–11 **¶603977290**
GUC VIII 20 02 18 04.6–.57 34.28S 72.25W 34–47 3.0L
SJA VIII 20 02 18 05.3–.89 34.06S 72.73W 35–23 3.1W,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=6.4km az=19.5.
GUC Error ellipse: s-maj=19.9km s-min=24.0km az=-1.0.
SJA Error ellipse: s-maj=13.8km s-min=33.7km az=-1.0.
SJA VIII 22 17 58 02.4–.52 34.14S 72.58W 15 3.6W,3.4L
¶604392389
SJA Error ellipse: s-maj=1.8km s-min=14.5km az=-1.0.
ISC VIII 23 00 04 43.2–1.9 30.01S–.05 71.6W–.10 43 16 1-3
SJA VIII 23 00 04 39.2–.77 30.02S 71.69W 12–4 3.6W,3.2L **¶603977374**
ISCJB VIII 23 00 04 41.8–1.3 30.00S–.06 71.7W–.10 43 3.6W,3.2L
GUC VIII 23 00 04 41.6–.64 30.06S 71.38W 58–18 3.5L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=7.3km az=18.5.
GUC Error ellipse: s-maj=3.7km s-min=24.7km az=-1.0.
ISC VIII 23 05 14 52.8–1.9 33.54S–.05 72.00W–.07 13–11 3.7b 34 1-147
SJA VIII 23 05 14 48.1–.69 33.60S 72.81W 62–8 3.9W,3.8L **¶601766337**
IDC VIII 23 05 14 51.8–1.2 33.50S 71.79W 0 3.7,3.6b
GUC VIII 23 05 14 54.4–.76 33.62S 72.00W 25–24 3.6L,3.6b
ISC Event type ke.
SJA Error ellipse: s-maj=7.5km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=48.5km s-min=23.0km az=84.0.
GUC Error ellipse: s-maj=3.8km s-min=6.9km az=-1.0.
ISC VIII 24 02 24 56.9–1.4 36.07S–.04 73.9W–.10 10 23 1-71
ISCJB VIII 24 02 24 55.5–1.0 36.04S–.04 73.7W–.10 10 3.3b **¶601766378**
IDC VIII 24 02 24 56.0–2.1 36.30S 74.28W 0 3.6,3.6L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=4.9km az=9.2.
IDC Error ellipse: s-maj=81.4km s-min=19.8km az=65.0.
ISC VIII 24 19 26 34.9–1.8 28.32S–.04 71.5W–.10 29 26 1-6
SJA VIII 24 19 26 32.4–.97 28.22S 71.87W 55 4.0W,4.0L ¶603977389
GUC VIII 24 19 26 36.4–.46 28.48S 71.17W 53–4 3.9L,4.0L
ISCJB VIII 24 19 26 37.8–1.2 28.37S–.04 71.29W–.10 29 3.9L,4.0L
ISC Event type ke.
ISCJB Event type ke.
GUC VIII 25 09 31 08.2–.34 35.81S 72.89W 25–6 3.5L ¶604836599
GUC Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
ISC VIII 25 12 26 59.7–2.3 28.57S–.04 71.4W–.10 24–17 19 1-4
GUC VIII 25 12 26 59.2–.68 28.67S 71.31W 44–4 3.7L ¶603977399
SJA VIII 25 12 26 59.1–.51 28.64S 71.36W 33–2 3.8W,3.6L
ISC Event type ke.
GUC Error ellipse: s-maj=2.0km s-min=7.3km az=-1.0.
SJA Error ellipse: s-maj=1.9km s-min=5.6km az=-1.0.
SJA VIII 26 04 27 45.4–.80 28.78S 71.42W 24–42 3.5W,2.9L ¶604392445
SJA Error ellipse: s-maj=15.1km s-min=33.8km az=-1.0.
GUC VIII 27 01 36 31.6–.62 34.24S 72.11W 10 3.6L ¶604836606
GUC Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0.
ISC VIII 27 04 17 55.1–.65 34.77S–.04 71.77W–.08 47–5 4.1b 42 2-84
ISCJB VIII 27 04 17 54.9–.66 34.76S–.03 71.82W–.10 65–7 4.0b ¶601734400
IDC VIII 27 04 17 55.0–.95 34.76S 71.62W 44–6 4.0,4.0L
GUC VIII 27 04 17 56.4–.49 34.71S 71.76W 50 4.2L,4.0L
NEIC VIII 27 04 17 56.0–.00 34.71S 71.76W 55 4.2L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=4.9km az=10.2.
IDC Error ellipse: s-maj=37.2km s-min=17.5km az=78.0.
GUC Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Lolol and Santa Cruz; [III] at Cauquenes, Constitucion, Curico, Duao, Iloca, Molina, Paredones, Pichilemu, Rio Claro, Sagrada Familia and Talca; [II] at Longavi, Maule, Pencahue, Rancagua and San Fernando. After GUC.
ISC VIII 28 08 11 24.6–.37 32.49S–.03 71.42W–.05 46–3 4.8b 677 1-155
ISCJB VIII 28 08 11 23.2–.12 32.35S–.02 71.40W–.04 47 4.8b ¶601628316
GUC VIII 28 08 11 24.8–.51 32.38S 71.12W 44–2 4.5L
IDC VIII 28 08 11 24.7–.45 32.36S 71.22W 46–3 4.4,4.3
SJA VIII 28 08 11 25.4–.67 32.29S 71.16W 14–5 4.6W,4.3L
NEIC VIII 28 08 11 25.0–.00 32.42S 71.17W 44 4.8b,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.3km az=150.7.
GUC Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=71.0.
SJA Error ellipse: s-maj=4.6km s-min=6.9km az=-1.0.
NEIC Event type fe. Felt [IV] at Quillota, Salamanca and Valparaiso; [III] at Illapel, Puchuncavi and Vina del Mar; [II] at Los Vilos, Quilpue, Rancagua, Santiago and Villa Alemana. Also felt at Limache. After GUC.
ISC VIII 29 16 59 20.7–1.6 29.41S–.03 71.42W–.07 10–10 40 1-6
ISCJB VIII 29 16 59 21.7–.92 29.40S–.03 71.39W–.07 29–5 ¶603977449
GUC VIII 29 16 59 21.6–.75 29.45S 71.21W 60–3 4.0L
SJA VIII 29 16 59 22.3–.86 29.54S 71.15W 11–4 3.7W,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.2km az=9.5.
GUC Error ellipse: s-maj=1.9km s-min=7.1km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0.
ISC VIII 30 08 04 40.2–1.0 37.25S–.03 73.67W–.06 31–6 4.9b,4.6s 619 1-178
IDC VIII 30 08 04 35.6–.43 37.25S 73.58W 0 4.9,4.8 ¶601645642
GUC VIII 30 08 04 38.4–.41 37.24S 73.86W 40–2 5.2L,5.0W
NEIC VIII 30 08 04 40.0–1.5 37.20S 73.40W 23–10 5.1W,5.0b
GCMT VIII 30 08 04 40.0–.30 37.34S–.02 74.04W–.03 26–1 5.2W,5.0b
ISCJB VIII 30 08 04 40.8–.76 37.13S–.03 73.40W–.07 45–6 4.8b,4.6s
MOS VIII 30 08 04 40.4–1.2 37.13S 73.38W 33 5.2b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=18.3km s-min=10.4km az=77.0.
GUC Error ellipse: s-maj=2.8km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.6km az=75.0. Felt [V] at Chiguayante, Coronel, La Laja, Penco, San Pedro de la Paz, Talcahuano and Tome; [IV] at Arauco, Canete, Cobquecura, Concepcion, Los Alamos, Quirihue and San Rosendo; [III] at Lebu and Los Angeles; [II] at Rancagua. Also felt at Chillan.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c49; s71,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.64±.22 $M_{\theta\theta}$0.46±.13; $M_{\phi\phi}$-4.10±.17; $M_{r\theta}$-0.39±.24; $M_{\theta\phi}$0.14±.10; $M_{\phi r}$-5.64±.45; Best double couple: NP1:ϕ_s183.00000°,δ73.00000°,λ93.00000°. NP2:ϕ_s352.00000°,δ17.00000°,λ79.00000°. Principal axes: T 6.6380,Plg62.0000° ,Azm98.0000°; N 0.4360,Plg3.0000°,Azm2.0000°; P -7.0700,Plg28.0000°,Azm270.0000° M_o6.85400×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.4km az=171.4.
MOS Error ellipse: s-maj=12.7km s-min=6.6km az=92.0.
ISC VIII 30 18 47 04.5–.61 28.60S–.04 71.12W–.08 43–5 4.4b 51 0-152
ISCJB VIII 30 18 47 04.6–.62 28.63S–.04 71.1W–.10 58–5 4.2b ¶601664235
GUC VIII 30 18 47 04.0–.54 28.64S 71.02W 51–3 3.9L
NEIC VIII 30 18 47 04.5–.49 28.62S 71.11W 39 4.6b
IDC VIII 30 18 47 04.6–.75 28.54S 71.04W 38–5 4.0,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=5.2km az=13.3.
GUC Error ellipse: s-maj=1.7km s-min=6.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.6km az=94.0.
IDC Error ellipse: s-maj=30.8km s-min=19.3km az=65.0.
GUC VIII 31 04 34 31.1–.53 34.89S 71.73W 46–7 3.5L ¶604836632
GUC Error ellipse: s-maj=4.5km s-min=6.7km az=-1.0.
GUC IX 03 09 28 49.8–.64 36.21S 73.39W 39–3 3.6L ¶604836646
GUC Error ellipse: s-maj=2.4km s-min=6.2km az=-1.0.
ISC IX 05 04 20 31.1–1.8 28.69S–.04 71.55W–.07 10–10 33 1-153
SJA IX 05 04 20 26.5–.65 28.47S 72.19W 33 3.9,3.2L ¶601862966
IDC IX 05 04 20 29.4–1.1 29.19S 70.79W 0 4.0b,3.9
GUC IX 05 04 20 34.0–.62 28.73S 71.36W 33–3 3.9L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=15.8km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=59.3km s-min=34.0km az=136.0.
GUC Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0.
ISC IX 06 18 57 59.9–.79 36.77S–.04 73.45W–.07 14 4.0b 26 0-159
IDC IX 06 18 57 57.8–.90 36.80S 73.04W 0 4.0,3.9 ¶601777920
ISCJB IX 06 18 57 59.0–.58 36.76S–.03 73.51W–.06 14 3.9b,3.9
GUC IX 06 18 57 59.2–.51 36.75S 73.53W 11–2 4.2L,3.9
NEIC IX 06 18 58 03.2–.75 36.72S 73.41W 35 4.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=16.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=179.4.
GUC Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=14.0km az=70.0.
GUC IX 08 03 33 20.8–.49 36.73S 73.67W 19–7 3.7L ¶604836690
GUC Error ellipse: s-maj=3.4km s-min=6.1km az=-1.0.
ISC IX 08 11 04 14.4–1.9 30.85S–.05 71.7W–.10 53 14 1-6
SJA IX 08 11 04 12.1–.38 30.70S 71.87W 33 3.5L,3.4W ¶604392639
GUC IX 08 11 04 12.9–.58 30.83S 71.59W 44–3 3.5L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=4.8km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=5.5km az=-1.0.
ISC IX 08 16 32 26.9–2.5 29.87S–.05 72.0W–.10 34–3 25 1-4
ISCJB IX 08 16 32 27.7–1.1 29.94S–.04 71.87W–.09 38–25 ¶604392643
GUC IX 08 16 32 27.9–.67 29.91S 71.55W 66–4 3.6L
SJA IX 08 16 32 29.3–.23 30.06S 71.48W 10 3.1W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.1km az=11.3.
GUC Error ellipse: s-maj=1.8km s-min=6.8km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.

ISC IX 09 12 14 40.1–1.3 32.36S–.03 71.56W–.06 20–4 4.0b 34 1-153
SJA IX 09 12 14 40.9–.35 32.39S 71.71W 10 3.9L,3.6W ¶601863234
GUC IX 09 12 14 42.2–.71 32.39S 71.56W 40–4 3.7L,3.6W
IDC IX 09 12 14 42.8–4.8 32.40S 71.51W 38–42 3.7,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=44.0km s-min=31.8km az=111.0.
ISC IX 11 07 24 39.4–.47 37.93S–.03 73.57W–.07 22 4.5b,3.7s 89 1-177
IDC IX 11 07 24 35.4–.69 37.97S 73.67W 0 4.2,4.1 ¶601705108
NEIC IX 11 07 24 37.0–.00 38.00S 73.86W 21 4.6b,4.4L
GUC IX 11 07 24 37.3–.65 38.00S 73.86W 21–8 4.4L,4.4L
ISCJB IX 11 07 24 38.3–.31 37.87S–.03 73.53W–.06 22 4.4b,3.8s
ISC Event type fe.
NEIC Event type fe. Felt at Concepcion. After GUC.
ISCJB Event type fe.
ISC IX 11 07 34 43.5–1.0 37.95S–.04 73.66W–.10 22 3.4b 26 1-73
SJA IX 11 07 34 38.1–.67 37.86S 74.25W 30 4.2W,3.8L ¶601863340
IDC IX 11 07 34 40.7–1.2 37.99S 73.61W 0 3.8,3.6
ISCJB IX 11 07 34 41.7–.83 37.93S–.04 73.8W–.10 22 3.6b,3.6
GUC IX 11 07 34 43.2–.51 37.98S 73.74W 26–11 4.0L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=9.9km az=-1.0.
IDC Error ellipse: s-maj=39.6km s-min=16.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.5km az=175.0.
GUC Error ellipse: s-maj=1.7km s-min=6.3km az=-1.0.
ISC IX 14 00 58 20.2–2.2 34.16S–.07 72.0W–.10 23–20 17 1-4
ISCJB IX 14 00 58 20.6–1.6 34.16S–.08 72.0W–.10 31–23 ¶604836740
GUC IX 14 00 58 20.5–.58 34.13S 71.99W 37–3 2.5L
SJA IX 14 00 58 53.9–.78 32.56S 69.73W 71–7 2.7W,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=13.0km az=7.1.
GUC Error ellipse: s-maj=2.4km s-min=5.6km az=-1.0.
SJA Error ellipse: s-maj=7.6km s-min=17.6km az=-1.0.
ISC IX 14 05 40 37.7–1.3 34.72S–.07 71.8W–.10 30–12 23 0-5
SJA IX 14 05 40 25.5–.30 35.47S 72.33W 60 3.3L,3.1W ¶604392737
GUC IX 14 05 40 35.8–.52 34.89S 71.75W 60–5 3.5L,3.1W
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=7.1km az=-1.0.
GUC Error ellipse: s-maj=4.9km s-min=6.3km az=-1.0.
ISC IX 15 00 40 14.4–1.1 34.70S–.04 72.83W–.06 25–7 4.6b,3.6s 129 1-177
GUC IX 15 00 40 02.3–.42 35.41S 73.41W 31–6 4.5L,3.6s ¶601717568
IDC IX 15 00 40 10.7–.55 34.62S 72.60W 0 4.4,4.3
ISCJB IX 15 00 40 12.5–1.8 34.68S–.03 72.77W–.07 15–11 4.6b,3.6s
NEIC IX 15 00 40 16.4–1.6 34.64S 72.56W 34–11 4.7b,4.5L
ISC Event type fe.
GUC Error ellipse: s-maj=8.1km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=13.8km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.7km az=174.6.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=3.5km az=86.0. Felt [III] at Linares and Longavi; [II] at Constitucion, Parral and San Clemente.
ISC IX 15 00 50 47.4–2.3 34.70S–.04 72.82W–.08 30–16 4.4b 69 1-158
IDC IX 15 00 50 43.2–.63 34.66S 72.66W 0 4.2,4.1L ¶601717569
NEIC IX 15 00 50 45.0–.00 34.62S 72.92W 26 4.5b,4.2L
GUC IX 15 00 50 45.2–.52 34.62S 72.92W 26–3 4.2L,4.2L
ISC Event type fe.
IDC Error ellipse: s-maj=29.4km s-min=15.6km az=89.0.
NEIC Event type fe. Felt [II] at Constitucion, Maule and Pelarco. After GUC.
GUC Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.
ISC IX 17 06 08 56.5–2.7 32.53S–.06 71.9W–.10 8–16 24 1-5
SJA IX 17 06 08 57.6–.70 32.30S 71.99W 9–40 2.8W,2.8L ¶604392777
GUC IX 17 06 08 59.3–.60 32.56S 71.68W 30–5 2.6L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=10.0km s-min=54.4km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=5.5km az=-1.0.
ISC IX 18 18 10 54.6–1.7 33.89S–.06 71.80W–.09 9–14 18 1-5
ISCJB IX 18 18 10 55.8–1.2 33.91S–.06 71.79W–.09 23–8 ¶604836777
GUC IX 18 18 10 57.9–.44 33.90S 71.79W 15–3 2.8L
SJA IX 18 18 11 20.2–.51 32.40S 69.09W 132–7 2.6W,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.1km az=31.9.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
SJA Error ellipse: s-maj=5.7km s-min=20.1km az=-1.0.
ISC IX 19 06 35 25.7–2.8 35.14S–.05 72.7W–.10 6–14 25 1-8
ISCJB IX 19 06 35 27.9–2.5 35.16S–.07 72.5W–.20 15–19 ¶604392812
GUC IX 19 06 35 28.9–.56 35.14S 72.50W 23–4 4.0L
SJA IX 19 06 35 29.8–.56 35.33S 72.17W 23–3 4.5W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.5km s-min=7.8km az=23.4.
GUC Error ellipse: s-maj=2.3km s-min=6.6km az=-1.0.
SJA Error ellipse: s-maj=4.0km s-min=19.0km az=-1.0.
ISC IX 20 10 07 03.9–1.3 34.18S–.03 72.26W–.05 11–8 4.6b,4.3s 166 1-173
ISCJB IX 20 10 07 05.0–1.1 34.24S–.03 72.26W–.05 25–8 4.5b,4.2s ¶601732966
BJI IX 20 10 07 05.6 34.30S 72.20W 20 5.2b,5.1s
NEIC IX 20 10 07 07.0–.00 34.44S 71.95W 60 4.6L,4.5b
GUC IX 20 10 07 07.7–.59 34.44S 71.95W 60–11 4.6L,4.5b
IDC IX 20 10 07 08.7–3.1 34.20S 72.06W 45–27 4.4,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=24.3.
NEIC Event type fe. Felt [II] at El Quisco, Navidad and San Antonio. Also felt at Santiago. After GUC.
GUC Error ellipse: s-maj=3.7km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=15.4km az=97.0.
ISC IX 20 10 50 50.1–1.2 34.75S–.06 71.9W–.10 25–11 24 0-5
SJA IX 20 10 50 48.5–1.0 34.69S 72.05W 33 3.8W,3.8L ¶604392833
GUC IX 20 10 50 49.7–1.8 34.85S 71.58W 50–22 3.7L,3.8L
ISCJB IX 20 10 50 50.2–.70 34.78S–.06 71.7W–.10 23–10 3.7L,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 21 05 57 16.0–2.4 34.26S–.05 72.2W–.10 13–14 29 1-6
SJA IX 21 05 57 14.4–1.0 34.06S 72.64W 33 3.3W,3.0L ¶604392852
GUC IX 21 05 57 15.6–.61 34.22S 72.29W 33–3 3.3L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=6.4km s-min=21.7km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=4.6km az=-1.0.
ISC IX 24 03 01 36.0–1.8 28.28S–.05 71.0W–.10 54–14 20 0-5
SJA IX 24 03 01 33.5–1.1 28.23S 70.79W 33 2.9W,2.7L ¶604392909
ISCJB IX 24 03 01 35.8–1.2 28.29S–.05 71.0W–.10 60–10 2.9W,2.7L
GUC IX 24 03 01 35.6–.93 28.44S 70.54W 62–6 3.0L,2.7L
ISC Event type ke.
SJA Error ellipse: s-maj=8.4km s-min=17.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=5.9km az=16.5.
GUC Error ellipse: s-maj=4.7km s-min=15.6km az=-1.0.
GUC IX 25 10 35 05.9–.40 35.69S 72.97W 16–6 3.5L ¶604836838
GUC Error ellipse: s-maj=1.5km s-min=6.1km az=-1.0.
ISC IX 26 10 08 39.5–.99 34.79S–.07 71.7W–.10 25–12 30 0-6
SJA IX 26 10 08 33.3–1.3 34.54S 72.38W 11–23 3.4W,3.1L ¶604392948
GUC IX 26 10 08 38.3–.71 34.73S 71.94W 37–2 3.6L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=7.1km s-min=19.0km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=7.3km az=-1.0.
ISC IX 26 19 42 02.4–2.6 34.79S–.08 72.7W–.20 35 12 2-6
SJA IX 26 19 41 58.2–.92 34.60S 73.16W 48–30 3.1 ¶604392959
GUC IX 26 19 42 00.8–.49 34.76S 72.72W 65–32 3.5L
ISCJB IX 26 19 42 01.1–1.4 34.77S–.06 72.7W–.10 33 3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 28 17 15 46.1–3.7 34.21S–.06 72.8W–.10 0–18 25 1-6
GUC IX 28 17 15 40.3–.48 34.51S 73.45W 31–8 3.7L ¶604392999
SJA IX 28 17 15 50.0–.94 33.58S 73.02W 17–94 3.4W,2.9L

ISC Event type ke.
GUC Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0.
SJA Error ellipse: s-maj=14.1km s-min=86.3km az=-1.0.
ISC IX 29 02 28 54.5–3.1 32.51S–.06 71.8W–.20 9–12 26 1-5
GUC IX 29 02 28 57.7–.47 32.47S 71.63W 33–15 2.9L **¶604393008**
SJA IX 29 02 28 57.7–1.2 32.61S 71.70W 20 3.1W,2.8L
ISC Event type ke.
GUC Error ellipse: s-maj=1.5km s-min=5.5km az=-1.0.
SJA Error ellipse: s-maj=12.0km s-min=26.8km az=-1.0.
ISC IX 29 10 05 55.0–3.2 34.05S–.07 72.7W–.20 9–20 20 1-4
GUC IX 29 10 05 59.8–.54 34.05S 72.45W 30–3 2.8L **¶604393016**
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=4.9km az=-1.0.
ISC IX 30 09 36 29.8–2.6 34.98S–.09 72.6W–.10 12–14 21 1-5
ISCJB IX 30 09 36 29.0–1.7 34.91S–.05 72.68W–.10 6–8 **¶604393040**
GUC IX 30 09 36 30.2–.65 34.88S 72.61W 23–4 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.6km az=16.9.
GUC Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0.
GUC X 01 01 55 50.1–.52 32.48S 71.60W 32–3 2.5L
SJA X 01 01 55 47.3–.62 32.52S 71.90W 6–16 3.1W,2.5L **¶604737988**
GUC Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0.
SJA Error ellipse: s-maj=7.6km s-min=23.1km az=-1.0.
ISC X 01 08 06 27.5–.54 30.91S–.03 71.45W–.05 32–3 4.7b 105 0-151
ISCJB X 01 08 06 27.9–.28 30.80S–.02 71.66W–.04 46 4.5b **¶601769317**
SJA X 01 08 06 27.2–.72 30.80S 71.60W 32–14 4.9W,4.4L
GUC X 01 08 06 28.9–.65 30.79S 71.18W 53–2 4.5L,4.4L
NEIC X 01 08 06 29.0–.00 30.79S 71.18W 56 4.6b,4.5L
IDC X 01 08 06 29.6–.75 30.86S 71.28W 50–5 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.9km az=173.3.
SJA Error ellipse: s-maj=3.2km s-min=7.9km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=7.7km az=-1.0.
NEIC Event type fe. Felt [III] at Canela, Combarbala, Illapel, Monte Patria, Ovalle and Salamanca; [II] at Andacollo, La Higuera, Paiguano, Punitaqui, Rancagua and Rio Hurtado. Also felt at La Serena and Vicuna. After GUC.
IDC Error ellipse: s-maj=21.9km s-min=18.8km az=54.0.
ISC X 01 23 57 07.1–3.0 32.08S–.05 71.9W–.10 18–15 21 1-3
SJA X 01 23 57 04.7–.49 32.03S 72.43W 27–51 3.5W,2.9L **¶604738009**
GUC X 01 23 57 06.4–.80 32.11S 72.13W 47–9 3.2L,2.9L
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=45.9km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=8.4km az=-1.0.
ISC X 03 19 35 35.2–2.2 32.47S–.06 71.5W–.10 56–24 29 1-5
ISCJB X 03 19 35 34.0–1.2 32.47S–.05 71.50W–.08 65–14 **¶604738043**
SJA X 03 19 35 33.0–.53 32.35S 71.42W 31–5 2.8W,2.5L
GUC X 03 19 35 36.7–.48 32.38S 70.91W 45–4 2.8L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.7km az=159.1.
SJA Error ellipse: s-maj=3.3km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=7.9km az=-1.0.
GUC X 05 07 27 44.3–.64 35.72S 72.84W 27–8 3.7L
¶604836904
GUC Error ellipse: s-maj=4.5km s-min=10.5km az=-1.0.
ISC X 05 08 44 53.3–.73 34.80S–.05 71.95W–.08 45–7 4.0b 43 0-84
SJA X 05 08 44 48.3–.65 35.05S 72.06W 64–26 4.2W,3.8L **¶601833142**
IDC X 05 08 44 48.5–1.6 34.58S 71.64W 0 3.9L,3.8
GUC X 05 08 44 51.9–.65 34.90S 71.94W 60–5 4.1L,3.8
NEIC X 05 08 44 51.0–.00 34.90S 71.94W 60 4.4b,4.1L
ISCJB X 05 08 44 52.6–.59 34.80S–.04 71.98W–.09 56–5 3.9b,3.2s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Lolol, Pelarco, Pencahue, Rancagua, Rio Claro, San Fernando and Talca and [II] at Cauquenes, Constitucion, Curico and Sagrada Familia. After GUC.
ISCJB Event type fe.
ISC X 05 16 20 42.5–2.0 34.94S–.05 72.67W–.09 22–16 40 1-94
GUC X 05 16 20 41.4–.70 34.86S 72.70W 20–5 4.2L **¶601795288**
NEIC X 05 16 20 41.0–.00 34.86S 72.70W 20 4.2L
ISC Event type fe.
GUC Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
NEIC Event type fe. Felt [II] at Rancagua. After GUC.
ISC X 06 17 06 01.9–1.9 34.08S–.05 72.32W–.10 31–14 27 1-4
SJA X 06 17 05 56.8–.60 33.90S 73.14W 48–17 3.8W,3.4L **¶604738100**
GUC X 06 17 06 03.2–.50 34.03S 72.21W 39–2 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
ISC X 06 17 33 12.2–2.6 34.02S–.06 72.2W–.10 14–15 30 1-6
GUC X 06 17 33 12.7–.63 34.00S 72.22W 37–3 3.7L **¶604738102**
ISC Event type ke.
GUC Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
SJA X 06 23 17 46.2–.69 34.19S 72.93W 33 3.5W,3.3L
¶604738107
SJA Error ellipse: s-maj=3.1km s-min=10.1km az=-1.0.
ISC X 08 01 41 32.9–1.5 32.29S–.03 71.93W–.06 11–8 4.2b 70 1-175
SJA X 08 01 41 27.2–.38 32.50S 72.42W 10–4 4.1L,3.8W **¶601795294**
NEIC X 08 01 41 34.0–.00 32.31S 71.77W 11 4.1L,3.8W
GUC X 08 01 41 34.6–.71 32.31S 71.77W 11–8 4.1L,3.8W
IDC X 08 01 41 37.5–4.0 32.38S 71.74W 42–33 4.0,4.0
ISC Event type fe.
SJA Error ellipse: s-maj=3.0km s-min=6.5km az=-1.0.
NEIC Event type fe. Felt [II] at Valparaiso, Villa Alemana and Vina del Mar. Also felt at Santiago. After GUC.
GUC Error ellipse: s-maj=4.3km s-min=10.3km az=-1.0.
IDC Error ellipse: s-maj=53.0km s-min=20.1km az=115.0.
ISC X 08 05 22 17.2–1.9 29.41S–.03 71.77W–.06 2–11 4.3b 100 1-153
SJA X 08 05 22 13.2–.62 28.97S 72.12W 10 4.3L,3.9W **¶601804029**
IDC X 08 05 22 17.3–.83 29.41S 71.46W 0 3.9,3.8
GUC X 08 05 22 21.0–.78 29.44S 71.66W 58–6 4.2L,3.8
NEIC X 08 05 22 21.0–.00 29.41S 71.71W 44 4.5b,4.1L
ISC Event type fe.
SJA Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=21.7km az=17.0.
GUC Error ellipse: s-maj=2.5km s-min=7.7km az=-1.0.
NEIC Event type fe. Felt [III] at La Higuera and [II] at Paiguano. After GUC.
ISC X 10 03 22 06.9–2.0 32.70S–.04 71.76W–.09 17–10 35 1-6
ISCJB X 10 03 22 06.7–1.5 32.68S–.04 71.79W–.09 15–11 **¶604738216**
SJA X 10 03 22 06.7–1.2 32.73S 71.74W 24–13 3.7W,3.6L
GUC X 10 03 22 08.4–.67 32.61S 71.50W 33–4 3.5L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.9km az=166.0.
SJA Error ellipse: s-maj=7.0km s-min=12.5km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0.
ISC X 10 14 41 46.3–2.3 34.77S–.04 72.53W–.08 5–15 3.7b 28 1-85
ISCJB X 10 14 41 46.3–1.4 34.74S–.04 72.70W–.07 7–8 3.6b **¶601997771**
IDC X 10 14 41 46.3–1.5 34.73S 72.53W 0 4.0,4.0L
GUC X 10 14 41 47.0–.67 34.69S 72.72W 30–5 4.1L,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.7km az=22.7.
IDC Error ellipse: s-maj=48.3km s-min=30.3km az=80.0.
GUC Error ellipse: s-maj=2.5km s-min=6.7km az=-1.0.
ISC X 10 18 05 02.1–1.8 34.12S–.06 72.2W–.10 42–15 4.1b 23 1-157
IDC X 10 18 04 59.4–1.0 34.13S 70.98W 0 4.1,4.0L **¶601866938**
GUC X 10 18 04 59.4–.51 34.02S 72.39W 34–4 4.1L,4.0L
NEIC X 10 18 05 02.3–3.0 34.04S 71.68W 33–20 4.1L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=17.2km az=86.0.
GUC Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=8.3km az=93.0.
ISC X 11 03 07 37.2–3.5 34.07S–.06 72.3W–.10 0–28 23 1-6
GUC X 11 03 07 38.2–.33 34.00S 72.44W 30–3 3.2L **¶604738230**
SJA X 11 03 07 47.8–.86 33.19S 71.76W 10–51 3.1W,2.9L

ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0.
SJA Error ellipse: s-maj=30.1km s-min=62.8km az=-1.0.
ISC X 11 04 38 27.0–.73 34.04S–.03 72.19W–.05 35–3 4.6b,3.9s 134 1-176
ISCJB X 11 04 38 23.7–1.1 34.04S–.03 72.42W–.04 20–8 4.6b,3.8s **¶601825984**
NEIC X 11 04 38 24.0–.00 34.00S 72.44W 35 4.7b,4.4L
GUC X 11 04 38 24.9–.45 34.00S 72.44W 35–2 4.4L,4.4L
BJI X 11 04 38 24.4 34.00S 72.20W 19 5.2b,5.1s
IDC X 11 04 38 26.8–.72 34.00S 72.04W 27–4 4.3,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=28.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=12.9km az=82.0.
ISC X 13 06 55 21.4–1.9 32.93S–.05 71.45W–.10 43–12 44 0-8
SJA X 13 06 55 18.6–1.0 33.08S 71.41W 72–9 3.7L,3.6W **¶604738274**
ISCJB X 13 06 55 19.4–1.0 32.93S–.04 71.59W–.08 47–9 3.7L,3.6W
GUC X 13 06 55 21.2–.96 32.80S 71.26W 54–4 3.8L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=9.3km s-min=11.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.3km az=163.3.
GUC Error ellipse: s-maj=5.8km s-min=12.1km az=-1.0.
ISC X 14 02 21 40.7–2.1 34.41S–.06 72.0W–.10 0–15 23 1-5
SJA X 14 02 21 33.5–.69 34.37S 73.09W 24–84 3.5L,3.4W **¶604738292**
GUC X 14 02 21 39.8–1.1 34.40S 72.11W 20–11 3.8L,3.4W
ISCJB X 14 02 21 40.2–1.5 34.40S–.04 72.10W–.10 2–10 3.8L,3.4W
ISC Event type ke.
ISCJB Event type ke.
ISC X 14 03 37 28.2–1.8 34.59S–.03 72.32W–.05 9–11 4.4b 98 1-177
SJA X 14 03 37 19.6–.30 34.70S 73.32W 10 4.5L,3.8W **¶601833183**
IDC X 14 03 37 27.0–.62 34.66S 72.19W 0 4.3,4.2
ISCJB X 14 03 37 28.4–.96 34.64S–.03 72.48W–.04 15–6 4.3b,3.5s
GUC X 14 03 37 30.0–.58 34.61S 72.21W 15–3 4.6L,3.5s
NEIC X 14 03 37 30.0–.00 34.61S 72.21W 15 4.6L,4.5b
ISC Event type fe.
SJA Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=30.6km s-min=18.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=10.4.
GUC Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt [IV] at Paredones and Pichilemu; [III] at Cauquenes, Constitucion, Linares, Lolol, Longavi, Molina, San Fernando and Santa Cruz; [II] at Curico, Pencahue, Rancagua, Sagrada Familia and Talca. After GUC.
ISC X 14 11 46 29.5–2.5 31.67S–.03 71.64W–.09 10–15 29 1-5
SJA X 14 11 46 27.3–.63 31.70S 71.93W 10 3.6L,3.5W **¶604738297**
GUC X 14 11 46 30.4–.58 31.64S 71.55W 42–4 3.5L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=6.2km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=5.4km az=-1.0.
ISC X 15 21 04 18.7–.68 31.72S–.02 71.99W–.04 14–3 5.2b,4.7s 704 1-176
SJA X 15 21 04 12.0–.48 31.90S 72.70W 17–5 5.5L,5.0W **¶601835751**
ISCJB X 15 21 04 16.9–.12 31.77S–.02 72.18W–.03 10 5.1b,4.6s
IDC X 15 21 04 16.6–.44 31.80S 71.89W 0 5.0,4.9
GUC X 15 21 04 18.5–.63 31.82S 72.17W 39–3 5.2L,4.9
NEIC X 15 21 04 20.6–1.3 31.81S 71.79W 24–9 5.2L,5.2b
GCMT X 15 21 04 21.6–.20 31.81S–.02 72.29W–.02 22–0 5.1W,5.2b
MOS X 15 21 04 21.0–1.2 31.73S 71.82W 33 5.3b,5.2b
BJI X 15 21 04 22.0 31.80S 72.20W 29 5.5s,5.3
ISC Event type fe.
SJA Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.3km az=143.7.
IDC Error ellipse: s-maj=19.1km s-min=13.2km az=88.0.
GUC Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.5km az=84.0. Felt [IV] at Salamanca and [II] at Coquimbo, La Serena, Quillota and Villa Alemana. Also felt at Lo Barnechea, Los Vilos and Quilpue. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.91 $M_{r\theta}$-0.29 $M_{\theta\phi}$1.00 $M_{\phi r}$-3.17 Best double couple: NP1:ϕ_s176.00000° ,δ72.00000°,λ105.00000°. NP2:ϕ_s316.00000°,δ23.00000°,λ52.00000°. Principal axes: T 4.2600,Plg60.0000°,Azm108.0000°; N -0.5100,Plg14.0000°,Azm352.0000° ; P -3.7500,Plg26.0000°,Azm255.0000° $M_0$4.00000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c60; s80,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.12±.18 $M_{\theta\theta}$-0.17±.11; $M_{\phi\phi}$-4.95±.14; $M_{r\theta}$-0.54±.18; $M_{\theta\phi}$0.43±.08; $M_{\phi r}$-3.47±.21; Best double couple: NP1:ϕ_s183.00000°,δ62.00000°,λ97.00000°. NP2:ϕ_s348.00000°,δ28.00000°,λ77.00000°. Principal axes: T 6.2640,Plg72.0000° ,Azm108.0000°; N -0.2230,Plg6.0000°,Azm359.0000°; P -6.0410,Plg17.0000° ,Azm267.0000° $M_0$6.15300×10^{16}
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=102.0.
ISC X 17 11 24 40.8–1.7 31.92S–.03 71.89W–.08 17–10 4.1b,3.5s 32 1-152
IDC X 17 11 24 37.7–1.0 31.84S 72.06W 0 4.0b,4.0 **¶601998656**
SJA X 17 11 24 38.5–.84 32.02S 72.34W 16–13 4.2W,3.8L
GUC X 17 11 24 41.2–.40 31.93S 71.90W 17–4 3.6L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=26.5km az=90.0.
SJA Error ellipse: s-maj=11.0km s-min=13.8km az=-1.0.
GUC Error ellipse: s-maj=0.8km s-min=4.0km az=-1.0.
ISC X 18 05 23 14.6–.60 34.76S–.04 71.98W–.07 47–5 4.1b 62 0-120
SJA X 18 05 23 12.4–.52 34.85S 71.98W 151–61 4.3L,4.2W **¶601838474**
ISCJB X 18 05 23 14.1–.53 34.78S–.03 71.99W–.08 58–4 4.0b,3.4s
GUC X 18 05 23 14.5–.52 34.69S 71.91W 43–2 4.6L,3.4s
NEIC X 18 05 23 14.0–.00 34.69S 71.91W 43 4.6L,4.2b
IDC X 18 05 23 14.2–.78 34.75S 71.62W 42–7 4.3L,4.0
ISC Event type fe.
SJA Error ellipse: s-maj=5.9km s-min=27.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=4.7km az=20.2.
GUC Error ellipse: s-maj=2.5km s-min=5.7km az=-1.0.
NEIC Event type fe. Felt [III] at Curico, Iloca, Linares, Longavi, Pencahue, Rancagua, Rio Claro, Romeral, San Javier and Talca; [II] at Cauquenes, Colbun, Constitucion, Navidad, Paredones, Pichilemu, San Fernando and Santiago. After GUC.
IDC Error ellipse: s-maj=33.5km s-min=14.9km az=77.0.
ISC X 19 05 35 24.5–1.0 31.81S–.03 71.79W–.05 16–6 4.3b 78 1-152
SJA X 19 05 35 21.9–.56 31.96S 72.16W 11–9 3.8L,3.7W **¶601861542**
NEIC X 19 05 35 22.0–.00 31.79S 72.02W 42 4.0L,3.8b
GUC X 19 05 35 22.8–.63 31.79S 72.02W 42–5 4.0L,3.8b
IDC X 19 05 35 28.8–1.3 32.34S 70.03W 0 4.3b,4.2
ISC Event type se.
SJA Error ellipse: s-maj=5.5km s-min=9.7km az=-1.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=55.5km s-min=26.8km az=111.0.
ISC X 19 18 45 43.2–2.1 29.53S–.04 71.78W–.07 4–11 42 1-150
IDC X 19 18 45 42.4–1.4 29.13S 73.32W 0 3.7,3.5 **¶601998962**
ISCJB X 19 18 45 46.4–1.2 29.56S–.04 71.74W–.06 11–7 3.7,3.5
SJA X 19 18 45 48.8–.77 29.65S 71.32W 5–8 3.8W,3.8L
GUC X 19 18 45 48.1–.57 29.60S 71.39W 52–4 4.0L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=62.5km s-min=45.4km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.6km az=10.9.
SJA Error ellipse: s-maj=2.4km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=6.0km az=-1.0.
GUC X 20 03 10 06.1–.70 34.83S 71.67W 39–4 3.6L
¶604837052
GUC Error ellipse: s-maj=4.6km s-min=6.7km az=-1.0.
ISC X 20 06 57 25.5–3.8 29.35S–.05 71.4W–.10 12–25 18 1-4
ISCJB X 20 06 57 25.9–1.5 29.34S–.04 71.62W–.10 27–8 **¶604738433**
SJA X 20 06 57 25.8–1.1 29.58S 71.44W 10–25 4.1L,3.7W
GUC X 20 06 57 27.7–.62 29.41S 71.21W 65–28 3.8L,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.3km az=14.3.
SJA Error ellipse: s-maj=15.9km s-min=18.2km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=7.1km az=-1.0.
ISC X 21 11 40 37.9–.44 37.59S–.04 73.41W–.09 23 4.6b 102 1-175

IDC X 21 11 40 34.2–.62 37.61S 73.43W 0 4.4,4.4L ¶601839954
ISCJB X 21 11 40 36.5–.30 37.60S–.03 73.45W–.07 23 4.5b,3.4s
GUC X 21 11 40 36.2–.51 37.66S 73.73W 15–9 4.5L,3.4s
NEIC X 21 11 40 36.0–.00 37.66S 73.72W 15 4.5L,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=14.1km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=172.6.
GUC Error ellipse: s-maj=1.7km s-min=9.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Curanilahue, Puren and Renaico; [III] at Angol, Arauco, Collipulli, Concepcion, Coronel, Lebu, Los Alamos and Talcahuano; [II] at Carahue. After GUC.

ISC X 21 21 04 33.0–2.5 32.69S–.05 71.9W–.10 8–13 20 1-3
SJA X 21 21 04 35.8–.73 32.17S 71.95W 40–234 3.2W,2.7L ¶604738463
GUC X 21 21 04 39.2–.54 32.60S 71.31W 40–3 2.5L,2.7L
ISC Event type ke.
SJA Error ellipse: s-maj=23.4km s-min=208.6km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=7.2km az=-1.0.

ISC X 22 11 44 58.9–2.0 31.51S–.04 71.6W–.10 32–15 15 1-2
SJA X 22 11 44 55.4–.56 31.53S 71.74W 14–20 3.2W,2.5L ¶604738472
GUC X 22 11 44 57.9–.44 31.54S 71.09W 67–3 2.8L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=6.9km s-min=23.0km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=11.7km az=-1.0.

ISC X 22 17 05 40.0–2.2 30.52S–.03 71.18W–.05 3–15 41 0-4
SJA X 22 17 05 37.0–.49 30.41S 71.28W 12 3.3W,3.3L ¶604738476
ISCJB X 22 17 05 39.6–.97 30.43S–.03 71.37W–.06 20–8 3.3W,3.3L
GUC X 22 17 05 41.0–.57 30.54S 71.16W 36–3 3.7L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=18.3.
GUC Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0.

ISC X 22 22 55 08.9–3.7 29.62S–.04 71.8W–.10 11–25 27 1-4
GUC X 22 22 55 10.7–.57 29.64S 71.71W 77–5 3.3L ¶604738485
SJA X 22 22 55 10.7–.70 29.06S 71.65W 33–11 3.6W,3.0L
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=7.9km az=-1.0.
SJA Error ellipse: s-maj=8.3km s-min=12.5km az=-1.0.

ISC X 23 00 19 26.0–1.6 34.74S–.08 72.0W–.10 30–14 24 0-5
SJA X 23 00 19 15.8–.52 34.92S 72.91W 70–6 3.6W,3.2L ¶604738491
GUC X 23 00 19 24.5–.70 34.96S 71.78W 52–6 3.6L,3.2L
ISCJB X 23 00 19 25.2–1.7 34.8S–.10 71.9W–.20 46–15 3.6L,3.2L
ISC Event type ke.
ISCJB Event type ke.

ISC X 24 05 08 00.8–1.9 32.66S–.04 71.84W–.07 9–11 3.9b 36 1-153
IDC X 24 05 07 59.9–1.3 32.60S 71.63W 0 3.9,3.8L ¶601999452
SJA X 24 05 08 00.9–.64 32.91S 71.91W 23–5 4.4W,3.6L
ISCJB X 24 05 08 01.3–1.7 32.76S–.04 71.98W–.05 15–12 3.7b,3.5s
GUC X 24 05 08 02.8–.62 32.58S 71.68W 35–4 3.9L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=52.1km s-min=32.0km az=71.0.
SJA Error ellipse: s-maj=7.3km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.2km az=142.0.
GUC Error ellipse: s-maj=3.7km s-min=6.0km az=-1.0.

ISC X 25 19 25 41.8–.35 29.55S–.04 71.08W–.05 73–2 4.5b 108 0-166
ISCJB X 25 19 25 41.5–.43 29.54S–.03 71.12W–.05 83–3 4.2b ¶601848632
GUC X 25 19 25 41.2–.58 29.57S 70.97W 69–3 4.4L
NEIC X 25 19 25 41.0–.00 29.57S 70.97W 69 4.4L,4.1b
IDC X 25 19 25 42.2–.35 29.55S 70.86W 72–2 4.4,4.2
SJA X 25 19 25 42.9–.66 29.57S 70.94W 72–4 4.9W,4.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=175.8.
GUC Error ellipse: s-maj=1.8km s-min=5.9km az=-1.0.
NEIC Event type fe. Felt [V] at Vicuna; [IV] at Andacollo, Coquimbo, La Higuera, La Serena and Paiguano; [III] at Alto del Carmen, Monte Patria and Vallenar; [II] at Copiapo, Ovalle and Tierra Amarilla. After GUC.
IDC Error ellipse: s-maj=15.1km s-min=9.9km az=72.0.
SJA Error ellipse: s-maj=3.4km s-min=3.4km az=-1.0.

ISC X 26 08 31 12.9–2.4 31.82S–.03 71.99W–.10 5–13 28 1-3
GUC X 26 08 31 12.5–.51 31.84S 71.97W 21–4 3.5L ¶604738569
SJA X 26 08 31 12.3–.76 31.91S 72.22W 17–7 3.6W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=0.9km s-min=4.0km az=-1.0.
SJA Error ellipse: s-maj=4.9km s-min=9.9km az=-1.0.

ISC X 28 01 42 57.0–1.5 33.42S–.04 71.90W–.05 13–8 4.0b 78 1-84
SJA X 28 01 42 53.0–.59 33.78S 72.26W 10 4.4L,3.9W ¶601883573
IDC X 28 01 42 55.2–1.3 33.43S 71.72W 0 4.1,4.0L
GUC X 28 01 43 00.5–.67 33.40S 71.61W 34–6 4.0L,4.0L
NEIC X 28 01 43 00.0–.00 33.40S 71.61W 34 4.0L,3.9b
ISC Event type fe.
SJA Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=35.6km s-min=24.2km az=89.0.
GUC Error ellipse: s-maj=3.8km s-min=4.5km az=-1.0.
NEIC Event type fe. Felt [IV] at Algarrobo, Cartagena, El Quisco, El Tabo, San Antonio and Santo Domingo; [III] at Casablanca, Quillota, Tiltil, Valparaiso and Villa Alemana; [II] at Melipilla, Rancagua, San Jose de Maipo and Santiago. After GUC.

ISC X 29 14 22 49.2–2.4 37.76S–.05 73.84W–.09 11–14 3.9b 44 1-178
IDC X 29 14 22 48.1–.90 37.79S 73.74W 0 4.1,3.9 ¶601861575
GUC X 29 14 22 49.9–.82 37.79S 73.97W 19–11 4.1L,3.9
NEIC X 29 14 22 50.9–2.8 37.68S 73.81W 20–20 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=17.4km az=65.0.
GUC Error ellipse: s-maj=2.8km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.0km az=84.0.

ISC X 29 17 40 29.4–1.4 32.44S–.03 71.82W–.06 20–4 48 1-153
SJA X 29 17 40 26.1–.57 32.73S 72.22W 10 3.9L,3.7W ¶602000324
IDC X 29 17 40 26.9–2.3 32.47S 72.13W 0 3.9b,3.8
GUC X 29 17 40 32.6–.60 32.53S 71.60W 23–5 3.7L,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=79.4km s-min=28.6km az=100.0.
GUC Error ellipse: s-maj=1.8km s-min=5.3km az=-1.0.

ISC X 29 20 38 29.7–2.1 34.08S–.05 72.5W–.10 38–4 38 1-52
SJA X 29 20 38 17.7–.49 34.25S 73.20W 52–6 4.0L,3.9W ¶604738638
GUC X 29 20 38 24.8–.72 33.88S 72.48W 23–31 3.7L,3.9W
ISCJB X 29 20 38 26.7–1.1 33.94S–.05 72.52W–.08 35–13 3.7L,3.9W
ISC Event type ke.
ISCJB Event type ke.

ISC X 31 14 24 37.5–1.8 34.90S–.04 72.61W–.09 23–14 28 1-85
IDC X 31 14 24 34.2–1.8 34.83S 72.26W 0 3.8,3.6L ¶602000627
GUC X 31 14 24 38.0–.61 34.95S 72.57W 26–4 3.8L,3.6L
SJA X 31 14 24 44.3–.73 33.88S 73.07W 30 3.9W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=32.3km az=76.0.
GUC Error ellipse: s-maj=2.3km s-min=5.0km az=-1.0.
SJA Error ellipse: s-maj=17.8km s-min=8.8km az=-1.0.

ISC XI 01 02 48 03.6–2.0 32.79S–.04 71.95W–.07 7–11 47 1-156
ISCJB XI 01 02 48 02.8–1.3 32.93S–.05 72.13W–.06 8–11 3.4b,2.7s ¶602388655
IDC XI 01 02 48 02.8–1.3 32.79S 71.96W 0 3.8L,3.7
GUC XI 01 02 48 04.9–.57 32.74S 71.84W 22–4 3.3L,3.7
SJA XI 01 02 48 05.0–.75 32.88S 71.91W 17–8 3.6W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.2km az=141.1.
IDC Error ellipse: s-maj=57.0km s-min=32.6km az=75.0.
GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
SJA Error ellipse: s-maj=11.1km s-min=5.5km az=-1.0.

ISC XI 02 23 42 37.3–.53 34.79S–.04 71.82W–.07 49–5 4.5b 85 0-120
SJA XI 02 23 42 22.5–1.2 35.35S 72.73W 33 4.7L,4.3W ¶601869842
ISCJB XI 02 23 42 36.7–.42 34.80S–.03 71.80W–.07 60–3 4.5b,4.3W
GUC XI 02 23 42 36.5–.53 34.85S 71.79W 60–4 4.6L,4.3W
NEIC XI 02 23 42 36.0–.00 34.85S 71.79W 60 4.6L,4.5b
IDC XI 02 23 42 37.3–.64 34.76S 71.62W 47–6 4.2,4.1
ISC Event type fe.
SJA Error ellipse: s-maj=19.1km s-min=23.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=4.4km az=19.8.
GUC Error ellipse: s-maj=3.6km s-min=5.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Curico, Duao, Hualane, Iloca, Lolol, Longavi and Romeral; [III] at Constitucion, Linares, Maule, Molina, Paredones, Pelarco, Pencahue, Pichilemu, San Clemente, San Fernando, San Javier, Santa Cruz, Talca and Villa Alegre; [II] at Colbun and Rancagua. After GUC. Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}2.08 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-1.78 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.52 $M_{\phi r}$-2.25 Best double couple: NP1:ϕ_s182.00000°,δ69.00000°,λ80.00000°. NP2:ϕ_s29.00000°,δ23.00000°,λ114.00000°. Principal axes: T 3.1500,Plg64.0000°,Azm76.0000°; N -0.2700,Plg9.0000°,Azm186.0000°; P -2.8800,Plg24.0000°,Azm280.0000° $M_0$3.00000×10^{15}
IDC Error ellipse: s-maj=23.1km s-min=14.4km az=79.0.

ISC XI 04 11 45 49.8–2.1 36.57S–.05 73.4W–.10 27 17 0-7
GUC XI 04 11 45 51.2–.63 36.45S 73.38W 19–11 3.4L ¶604738760
ISC Event type ke.
GUC Error ellipse: s-maj=2.5km s-min=6.5km az=-1.0.

ISC XI 04 11 49 45.7–1.9 31.71S–.03 71.91W–.07 2–13 37 1-4
SJA XI 04 11 49 46.1–1.2 31.85S 72.28W 25–30 3.7W,3.6L ¶604738761
GUC XI 04 11 49 49.0–.61 31.71S 71.83W 56–7 3.4L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=7.1km s-min=30.4km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=6.5km az=-1.0.

ISC XI 04 17 35 44.3–1.5 31.73S–.03 71.88W–.06 5–9 4.5b,3.7s 74 1-155
SJA XI 04 17 35 46.1–1.0 31.94S 72.10W 18–6 4.6W,4.4L ¶601884930
GUC XI 04 17 35 47.8–.58 31.74S 71.79W 47–8 4.6L,4.4L
NEIC XI 04 17 35 47.0–.00 31.77S 71.86W 36 4.6L,4.4L
IDC XI 04 17 35 50.4–3.4 31.81S 71.70W 45–30 4.2L,4.1
ISC Event type se.
SJA Error ellipse: s-maj=4.4km s-min=15.0km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=26.5km s-min=22.4km az=122.0.

ISC XI 04 17 56 24.0–2.0 31.63S–.05 71.98W–.09 26–13 4.0b 40 1-152
IDC XI 04 17 56 21.2–1.4 31.60S 71.74W 0 4.1b,3.8 ¶602388813
SJA XI 04 17 56 24.5–.83 31.90S 72.22W 61–17 4.1W,4.1L
GUC XI 04 17 56 25.5–.51 31.76S 71.85W 36–3 3.8L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=25.2km az=115.0.
SJA Error ellipse: s-maj=5.6km s-min=9.3km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.

ISC XI 04 18 34 36.8–1.5 31.81S–.04 71.97W–.10 52–15 39 1-152
IDC XI 04 18 34 30.1–1.6 31.75S 72.91W 0 3.7,3.7L ¶602388815
GUC XI 04 18 34 34.4–.77 31.80S 71.72W 19–22 4.0L,3.7L
ISCJB XI 04 18 34 35.5–1.1 31.86S–.04 72.1W–.10 58–25 4.0L,3.7L
SJA XI 04 18 34 36.0–.78 31.95S 71.94W 71–8 4.2W,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=66.0km s-min=36.5km az=102.0.
GUC Error ellipse: s-maj=4.6km s-min=17.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.6km az=179.2.
SJA Error ellipse: s-maj=4.2km s-min=8.0km az=-1.0.

ISC XI 04 18 40 59.9–2.4 31.73S–.05 71.8W–.20 42–22 23 1-152
SJA XI 04 18 40 56.8–.77 31.91S 72.16W 52–13 4.0W,3.8L ¶602388817
GUC XI 04 18 40 57.1–.51 31.77S 71.77W 36–4 3.8L,3.8L
IDC XI 04 18 41 02.8–4.9 32.04S 71.76W 70–40 3.5,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=3.4km s-min=13.4km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=90.2km s-min=36.9km az=103.0.

ISC XI 05 08 16 12.4–1.9 31.70S–.03 71.89W–.07 3–11 3.7b 40 1-152
IDC XI 05 08 16 11.6–1.1 31.76S 72.01W 0 3.8,3.6 ¶602388849
SJA XI 05 08 16 14.8–.92 31.86S 72.19W 39–16 4.1L,4.0W
GUC XI 05 08 16 15.7–.63 31.71S 71.75W 45–7 3.8L,4.0W
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=30.6km az=161.0.
SJA Error ellipse: s-maj=3.7km s-min=15.0km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=6.7km az=-1.0.

ISC XI 06 22 42 04.3–2.0 34.54S–.05 72.0W–.10 10–15 34 0-6
SJA XI 06 22 42 01.7–.65 34.63S 72.55W 76–13 3.5W,3.2L ¶604738829
GUC XI 06 22 42 05.9–.69 34.65S 71.86W 35–4 3.4L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=11.7km s-min=16.4km az=-1.0.
GUC Error ellipse: s-maj=3.8km s-min=6.2km az=-1.0.

ISC XI 07 18 37 46.5–.89 38.10S–.05 73.69W–.09 18 4.2b 20 1-87
GUC XI 07 18 37 43.3–.75 38.11S 74.12W 18–5 4.1L ¶601991531
ISCJB XI 07 18 37 45.0–.77 38.05S–.05 73.8W–.10 18 4.2b
IDC XI 07 18 37 45.2–1.6 37.93S 73.18W 0 4.2,4.2b
NEIC XI 07 18 37 50.5–1.8 37.95S 73.14W 38–16 4.4b,4.1L
ISC Event type fe.
GUC Error ellipse: s-maj=2.9km s-min=7.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.3km az=158.1.
IDC Error ellipse: s-maj=46.3km s-min=18.0km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=25.5km s-min=11.7km az=84.0. Felt [III] at Carahue and Tirua and [II] at Puerto Saavedra.

ISC XI 07 22 41 31.4–1.1 37.53S–.03 73.18W–.07 29–7 4.9b 153 1-173
IDC XI 07 22 41 26.6–.54 37.46S 73.05W 0 4.8,4.7b ¶601880072
SJA XI 07 22 41 27.1–.59 37.55S 73.52W 40 4.9W,4.8L
GUC XI 07 22 41 30.3–.45 37.53S 73.46W 37–2 4.8L,4.8L
ISCJB XI 07 22 41 31.5–.54 37.50S–.02 72.97W–.07 39–5 4.8b,4.3s
NEIC XI 07 22 41 33.1–.63 37.51S 72.99W 39–6 4.8L,4.8b
BJI XI 07 22 41 34.2 37.50S 72.90W 50 4.9b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=78.0.
SJA Error ellipse: s-maj=8.1km s-min=23.3km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.5km az=0.9.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=4.5km az=89.0. Felt [V] at Arauco, Curanilahue, Lebu and Tirua; [IV] at Angol, Coronel and Lota; [III] at Concepcion, Longavi, Los Angeles, Los Sauces, Puren, Renaico, San Pedro and Talcahuano; [II] at Parral. Also felt at Chiguayante, Chillan and Nacimiento. Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.25 $M_{r\theta}$0.10 $M_{\theta\phi}$0.01 $M_{\phi r}$-1.02 Best double couple: NP1:ϕ_s188.00000°,δ7.00000°,λ-77.00000°. NP2:ϕ_s354.00000°,δ83.00000°,λ-92.00000°. Principal axes: T 1.0600,Plg38.0000°,Azm86.0000°; N 0.0100,Plg2.0000°,Azm355.0000°; P -1.0600,Plg52.0000°,Azm263.0000° $M_0$1.10000×10^{16}

ISC XI 08 06 24 08.3–.67 32.74S–.03 71.49W–.05 24–4 3.9b 59 0-156
NEIC XI 08 06 24 10.0–.00 32.71S 71.31W 46 4.3b,4.1L ¶601881299
GUC XI 08 06 24 10.3–.56 32.71S 71.31W 46–2 4.1L,4.1L
SJA XI 08 06 24 12.3–.84 32.65S 71.17W 12–7 3.8W,3.7L
IDC XI 08 06 24 15.5–1.2 32.74S 71.31W 0 4.1,3.8
ISC Event type fe.
NEIC Event type fe. Felt [III] at Puchuncavi, Quillota, Tiltil, Valparaiso, Villa Alemana and Vina del Mar; [II] at San Antonio and Santiago. Also felt at Las Condes and Quilpue. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=6.2km az=-1.0.
SJA Error ellipse: s-maj=3.3km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=41.5km s-min=29.1km az=29.0.

ISC XI 10 03 17 03.1–2.5 31.63S–.04 71.8W–.10 6–13 20 2-3
GUC XI 10 03 17 04.7–.52 31.61S 71.52W 20–13 3.1L ¶604738868
SJA XI 10 03 17 04.2–.82 31.71S 72.03W 27–17 3.5W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=1.5km s-min=20.3km az=-1.0.
SJA Error ellipse: s-maj=4.8km s-min=14.8km az=-1.0.

ISC XI 11 05 02 50.6–2.2 31.66S–.03 71.94W–.09 5–13 32 1-4
SJA XI 11 05 02 51.5–1.1 31.76S 72.12W 10–51 3.5W,3.5L ¶604738896
GUC XI 11 05 02 54.1–.67 31.73S 71.83W 46–13 3.2L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=8.0km s-min=50.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=7.9km az=-1.0.

ISC XI 11 05 46 48.0–.71 34.03S–.04 72.31W–.05 18–4 4.7b,4.3s 121 1-176
SJA XI 11 05 46 37.7–.88 34.44S 73.12W 40 5.1L,4.8W ¶601883933
BJI XI 11 05 46 45.7 34.11S 72.52W 16 5.1s,5.0
ISCJB XI 11 05 46 47.0–1.1 33.98S–.03 72.42W–.05 24–8 4.6b,4.3s
GUC XI 11 05 46 48.3–.59 33.97S 72.26W 37–3 4.7L,4.3s

NEIC XI 11 05 46 48.2–.64 33.98S 72.18W 16–4 4.8b,4.7L
IDC XI 11 05 46 51.1–5.2 33.92S 71.94W 33–37 4.5L,4.3
ISC Event type fe.
SJA Error ellipse: s-maj=12.0km s-min=10.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.6km az=29.5.
GUC Error ellipse: s-maj=2.1km s-min=4.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.1km az=95.0. Felt [III] at Algarrobo, El Quisco, Navidad, Paredones, Pichilemu, San Antonio, San Fernando and Talca; [II] at Curico, Litueche, Rancagua, Santa Cruz, Santiago and Villa Alegre. Also felt at Macul.
IDC Error ellipse: s-maj=27.8km s-min=15.9km az=101.0.
ISC XI 11 19 41 50.3–2.7 34.05S–.04 72.42W–.10 13–17 31 1-6
GUC XI 11 19 41 51.1–.49 34.04S 72.34W 37–3 3.3L **¶604738910**
SJA XI 11 19 41 51.4–1.3 34.07S 72.19W 10 3.5W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0.
SJA Error ellipse: s-maj=5.6km s-min=23.9km az=-1.0.
ISC XI 12 07 58 28.6–2.0 30.18S–.05 71.7W–.10 10 22 0-3
GUC XI 12 07 58 29.6–.66 30.22S 71.39W 32–4 2.8L **¶604738924**
SJA XI 12 07 58 30.6–.52 30.00S 71.34W 3–1 3.3W,2.9L
ISC Event type ke.
GUC Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
SJA Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0.
ISC XI 13 04 32 46.9–1.6 30.41S–.03 71.84W–.06 13–10 64 1-154
NEIC XI 13 04 32 44.8–3.4 30.37S 72.23W 3–21 4.0L **¶602059943**
IDC XI 13 04 32 44.9–1.2 30.36S 72.22W 0 4.4b,3.9
GUC XI 13 04 32 50.5–.56 30.50S 71.56W 65–5 4.0L,3.9
SJA XI 13 04 32 53.9–.85 30.49S 71.65W 40–44 4.5W,4.3L
ISC Event type ke.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=6.0km az=89.0. Felt [II] at Andacollo, Coquimbo and Ovalle. Also felt at La Serena.
IDC Error ellipse: s-maj=61.8km s-min=23.0km az=108.0.
GUC Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0.
SJA Error ellipse: s-maj=7.8km s-min=37.4km az=-1.0.
ISC XI 14 13 56 10.7–1.7 32.60S–.03 71.72W–.06 21–4 29 1-5
SJA XI 14 13 56 10.7–.60 32.57S 71.74W 11 2.8W,2.5L **¶604738973**
GUC XI 14 13 56 13.5–.67 32.59S 71.36W 35–3 2.8L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=6.6km s-min=9.5km az=-1.0.
GUC XI 14 17 39 20.2–.50 36.51S 72.09W 109–3 3.6L
¶604837320
GUC Error ellipse: s-maj=3.2km s-min=8.3km az=-1.0.
ISC XI 14 19 02 05.7–.23 29.18S–.03 71.39W–.03 62–1 6.2b 1931 1-179
ISCJB XI 14 19 02 02.7–.42 28.98S–.02 71.24W–.03 46–4 6.2b,5.7s **¶601901485**
GUC XI 14 19 02 03.8–.75 29.24S 71.24W 82–4 6.2W,5.7L
SJA XI 14 19 02 03.9–1.2 29.10S 71.50W 64–9 6.0W,5.8L
MOS XI 14 19 02 04.1–1.2 29.04S 71.33W 53 6.4b,5.6s
IDC XI 14 19 02 06.0–.40 29.12S 71.33W 64–3 5.7,5.5
BJI XI 14 19 02 05.1 29.18S 71.21W 50 6.0,6.0s
NEIC XI 14 19 02 05.0–.00 29.06S 71.04W 60 6.0,6.0s
NEIC XI 14 19 02 06.1–.10 29.12S 71.19W 63 6.2W,6.2W
GCMT XI 14 19 02 07.1–.10 29.32S 71.66W 69–0 6.2W,6.2W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=177.0.
GUC Error ellipse: s-maj=2.0km s-min=8.7km az=-1.0.
SJA Error ellipse: s-maj=5.9km s-min=10.6km az=-1.0.
MOS Error ellipse: s-maj=9.6km s-min=5.7km az=98.2.
IDC Error ellipse: s-maj=10.8km s-min=8.3km az=74.0.
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.95 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.72 $M_{r\theta}$0.08 $M_{\theta\phi}$0.15 $M_{\phi r}$-1.76 Best double couple: NP1:ϕ_s360.00000° ,δ77.00000°,λ-94.00000°. NP2:ϕ_s201.00000°,δ14.00000°,λ-69.00000°. Principal axes: T 1.8400,Plg32.0000°,Azm93.0000°; N 0.2300,Plg4.0000°,Azm0.0000° ; P -2.0700,Plg57.0000°,Azm263.0000° M_o2.00000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=77.0. Felt [VI] at La Higuera; [V] at Alto del Carmen, Copiapo, Coquimbo, Freirina, Huasco, La Serena, Ovalle, Paiguano, Tierra Amarilla, Vallenar and Vicuna; [IV] at Andacollo, Caldera, Illapel, Monte Patria, Punitaqui, Rio Hurtado and Salamanca; [III] at Chanaral, Combarbala, Diego de Almagro, La Ligua, Paine, Papudo, Rancagua, Santiago, Taltal, Valparaiso, Vina del Mar and Zapallar. Felt widely in central Chile. Felt [III] at Cordoba, Mendoza and San Juan, Argentina. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.22 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.18 $M_{r\theta}$-0.43 $M_{\theta\phi}$0.59 $M_{\phi r}$-2.24 Best double couple: NP1:ϕ_s14.00000° ,δ87.00000°,λ-107.00000°. NP2:ϕ_s274.00000°,δ17.00000°,λ-10.00000°. Principal axes: T 2.2900,Plg40.0000°,Azm119.0000°; N 0.1900,Plg17.0000°,Azm15.0000° ; P -2.4900,Plg45.0000°,Azm267.0000° M_o2.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s190.00000°,δ10.00000°,λ-90.00000°. NP2: ϕ_s10.00000°,δ80.00000°,λ-90.00000°. Principal axes: T Plg35.0000°,Azm100.0000° ; N Plg0.0000°,Azm0.0000°; P Plg55.0000°,Azm280.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c333; s138,c464; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.82±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$0.63±.02; $M_{r\theta}$0.06±.01; $M_{\theta\phi}$0.86±.01; $M_{\phi r}$-2.06±.01; Best double couple: NP1:ϕ_s4.00000°,δ79.00000° ,λ-111.00000°. NP2:ϕ_s248.00000°,δ23.00000°,λ-28.00000°. Principal axes: T 2.3060,Plg31.0000°,Azm111.0000°; N 0.0920,Plg21.0000°,Azm8.0000° ; P -2.3980,Plg51.0000°,Azm250.0000° M_o2.35200×10^{18}
ISC XI 15 20 32 34.8–1.4 32.60S–.03 71.75W–.05 12–8 4.7b,3.9s 113 1-176
SJA XI 15 20 32 30.3–.71 32.86S 72.20W 6–4 4.6L,4.1W **¶601903597**
IDC XI 15 20 32 32.9–.74 32.64S 71.69W 0 4.5b,4.5
ISCJB XI 15 20 32 36.1–.34 32.69S–.03 71.99W–.04 33 4.6b,3.8s
NEIC XI 15 20 32 36.7–.74 32.67S 71.83W 23–5 4.7b,4.5L
GUC XI 15 20 32 37.5–.71 32.59S 71.61W 31–5 4.5L,4.5L
ISC Event type fe.
SJA Error ellipse: s-maj=3.2km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=16.0km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=148.5.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.3km az=84.0. Felt [III] at Quillota, Valparaiso, Villa Alemana and Zapallar and [II] at Puente Alto, Salamanca, Santiago and Tiltil. Also felt at Las Condes, La Serena, Los Andes, Renca, Valparaiso and Vina del Mar. Moment Tensor Solution. s15 Moment tensor: Scale 10^{15}Nm; M_{rr}5.32 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-6.47 $M_{r\theta}$-0.11 $M_{\theta\phi}$-1.34 $M_{\phi r}$-3.09 Best double couple: NP1:ϕ_s15.00000°,δ32.00000°,λ99.00000°. NP2:ϕ_s185.00000°,δ59.00000°,λ85.00000°. Principal axes: T 6.0900,Plg76.0000° ,Azm80.0000°; N 1.3500,Plg5.0000°,Azm188.0000°; P -7.4400,Plg14.0000°,Azm279.0000° M_o6.90000×10^{15}
GUC Error ellipse: s-maj=4.0km s-min=6.8km az=-1.0.
ISC XI 15 23 41 00.8–.80 31.03S–.04 71.49W–.06 51–7 4.1b 45 0-151
IDC XI 15 23 40 53.5–2.1 31.04S 71.59W 0 4.1b,3.7 **¶601909878**
ISCJB XI 15 23 41 01.4–.63 31.00S–.03 71.59W–.07 74–6 4.0b,3.7
GUC XI 15 23 41 02.2–.60 30.99S 71.17W 66–3 4.4L,3.7
SJA XI 15 23 41 02.8–.72 31.04S 71.06W 33–7 3.9W,3.7L
NEIC XI 15 23 41 02.0–.00 30.99S 71.17W 66 4.4L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=69.5km s-min=25.2km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.2km az=177.4.
GUC Error ellipse: s-maj=1.1km s-min=8.6km az=-1.0.
SJA Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
NEIC Event type fe. Felt [III] at Ovalle and Punitaqui; [II] at Combarbala, Monte Patria and Rio Hurtado. After GUC.
ISC XI 16 23 51 16.9–2.5 32.46S–.05 71.9W–.10 24–15 28 1-5
SJA XI 16 23 51 17.2–.54 32.52S 71.72W 72–7 2.8W,2.8L **¶604739022**
GUC XI 16 23 51 18.5–.74 32.31S 71.36W 33–6 2.7L,2.8L
ISC Event type ke.
SJA Error ellipse: s-maj=5.7km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=14.5km az=-1.0.
ISC XI 17 14 25 46.8–1.1 36.04S–.04 73.6W–.10 35 4.0b,3.4s 40 1-71
GUC XI 17 14 25 43.2–.34 35.95S 73.76W 37–9 4.0L,3.4s **¶601909911**
IDC XI 17 14 25 43.3–1.8 35.95S 73.38W 0 4.0,3.8
ISCJB XI 17 14 25 44.9–.67 36.00S–.03 73.62W–.08 33 3.9b,3.4s
SJA XI 17 14 25 47.0–1.0 35.82S 73.81W 33 4.4W,3.7L
ISC Event type ke.
GUC Error ellipse: s-maj=2.2km s-min=10.3km az=-1.0.
IDC Error ellipse: s-maj=40.6km s-min=20.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.1km az=13.9.
SJA Error ellipse: s-maj=13.3km s-min=18.3km az=-1.0.
ISC XI 17 17 01 46.3–2.9 32.72S–.05 71.9W–.10 8–13 32 1-5
SJA XI 17 17 01 40.9–.65 32.84S 72.60W 60–9 3.6L,3.5W **¶604739033**
GUC XI 17 17 01 48.8–.35 32.61S 71.64W 27–3 3.5L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=5.9km s-min=4.7km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
GUC XI 17 23 51 39.7–.65 37.60S 73.82W 22–5 4.2L
NEIC XI 17 23 51 39.0–.00 37.59S 73.83W 21 4.2L,4.0b **¶601992601**
GUC Error ellipse: s-maj=1.8km s-min=6.6km az=-1.0.
NEIC Event type fe. Felt [II] at Concepcion and Lebu. After GUC.
ISC XI 18 13 29 27.1–.77 38.23S–.05 73.83W–.07 24–5 4.6b,3.8s 92 1-175
BJI XI 18 13 29 22.4 38.58S 73.64W 7 5.2b,3.8s **¶601909955**
ISCJB XI 18 13 29 25.7–.35 38.16S–.04 73.72W–.07 24 4.5b,3.7s
IDC XI 18 13 29 27.0–.67 38.25S 73.62W 22–3 4.2,4.2
NEIC XI 18 13 29 28.0–.00 38.29S 73.69W 56 4.7b,4.1L
GUC XI 18 13 29 28.9–.36 38.29S 73.70W 56–13 4.1L,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=164.1.
IDC Error ellipse: s-maj=21.3km s-min=12.5km az=66.0.
NEIC Event type fe. Felt [III] at Puerto Saavedra, Puren and Temuco; [II] at Carahue and Tirua. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=6.2km az=-1.0.
ISC XI 18 21 36 59.9–1.4 38.07S–.05 73.7W–.10 22 3.5b 11 1-87
IDC XI 18 21 36 56.6–2.1 38.19S 73.67W 0 3.7,3.7L **¶602389629**
GUC XI 18 21 36 58.1–.64 37.99S 73.80W 16–7 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=67.2km s-min=19.0km az=55.0.
GUC Error ellipse: s-maj=37.4km s-min=32.3km az=-1.0.
ISC XI 19 04 20 52.8–2.1 29.98S–.05 71.6W–.10 32–9 18 0-3
ISCJB XI 19 04 20 53.3–1.3 29.99S–.04 71.51W–.09 30–6 **¶604740143**
GUC XI 19 04 20 53.7–.39 29.93S 71.24W 42–2 2.8L
SJA XI 19 04 20 54.3–.74 30.09S 71.09W 3–9 3.6W,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.3km az=0.9.
GUC Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0.
SJA Error ellipse: s-maj=5.5km s-min=6.4km az=-1.0.
ISC XI 19 05 27 50.4–1.7 34.62S–.07 71.16W–.06 10–11 31 1-6
SJA XI 19 05 27 37.7–.44 35.19S 71.82W 33 3.5W,3.3L **¶604740145**
GUC XI 19 05 27 52.9–.45 34.57S 71.28W 66–9 3.3L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=5.6km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
GUC XI 19 12 13 41.7–.59 32.69S 71.74W 11–3 3.7L
¶604837369
GUC Error ellipse: s-maj=3.2km s-min=4.6km az=-1.0.
ISC XI 19 16 18 41.3–1.9 34.13S–.06 72.2W–.10 15–12 25 1-5
SJA XI 19 16 18 38.0–.54 33.90S 72.77W 23–54 3.6W,3.6L **¶604740152**
GUC XI 19 16 18 39.5–.53 33.98S 72.35W 35–3 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=17.8km s-min=46.1km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
ISC XI 19 21 14 41.1–2.5 34.09S–.06 72.6W–.10 35 30 1-7
SJA XI 19 21 14 33.2–.36 34.02S 73.21W 41–5 3.5L,3.4W **¶604740156**
GUC XI 19 21 14 39.6–.56 33.98S 72.37W 25–22 3.3L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=5.4km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=6.3km az=-1.0.
ISC XI 20 23 46 50.8–1.8 34.75S–.05 72.06W–.08 5–14 35 0-6
SJA XI 20 23 46 45.4–.56 34.96S 72.75W 40–7 3.9L,3.8W **¶604740180**
GUC XI 20 23 46 51.5–.59 34.86S 71.89W 25–10 3.9L,3.8W
ISC Event type ke.
SJA Error ellipse: s-maj=3.8km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=5.4km s-min=6.2km az=-1.0.
ISC XI 21 20 45 46.4–1.5 34.03S–.05 72.19W–.09 10 30 1-6
SJA XI 21 20 45 42.8–.24 33.93S 72.91W 33 3.6W,3.4L **¶604740195**
ISCJB XI 21 20 45 47.6–.94 34.06S–.04 72.16W–.08 10 3.6W,3.4L
GUC XI 21 20 45 47.3–.57 34.03S 72.28W 35–2 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.4km az=23.3.
GUC Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0.
ISC XI 21 23 37 51.2–2.9 34.03S–.06 72.2W–.10 12–18 4.1b 19 1-154
ISCJB XI 21 23 37 50.9–1.7 34.05S–.07 72.41W–.08 24–15 3.9b **¶602389811**
GUC XI 21 23 37 51.7–.40 34.02S 72.39W 33–3 4.1L
IDC XI 21 23 37 56.2–3.5 34.08S 71.75W 49–34 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=8.3km az=141.0.
GUC Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=47.2km s-min=22.2km az=95.0.
ISC XI 23 00 49 57.0–2.7 35.59S–.05 72.9W–.10 13–13 23 1-5
GUC XI 23 00 49 58.2–.44 35.62S 73.06W 23–4 3.5L **¶604740217**
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=4.8km az=-1.0.
ISC XI 25 05 18 32.7–1.3 32.65S–.05 71.68W–.06 33–4 4.0b 37 1-156
IDC XI 25 05 18 28.2–.99 32.65S 71.42W 0 4.4L,4.0 **¶601994303**
GUC XI 25 05 18 31.7–.61 32.74S 71.74W 27–6 4.1L,4.0
NEIC XI 25 05 18 32.0–.00 32.72S 71.69W 21 4.1L,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=52.1km s-min=21.5km az=83.0.
GUC Error ellipse: s-maj=4.8km s-min=5.7km az=-1.0.
NEIC Event type fe. Felt [III] at Valparaiso, Villa Alemana and Vina del Mar; [II] at Quillota, San Felipe and Santiago. Also felt at Maipu. After GUC.
ISC XI 25 06 43 22.4–3.1 32.79S–.07 72.0W–.20 28–21 17 1-3
GUC XI 25 06 43 25.7–.66 32.72S 71.65W 29–4 2.8L **¶604740251**
SJA XI 25 06 43 25.2–.26 32.47S 71.80W 10 2.7W,2.4L
ISC Event type ke.
GUC Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0.
SJA Error ellipse: s-maj=7.7km s-min=5.0km az=-1.0.
ISC XI 26 01 39 48.9–1.0 34.76S–.04 71.86W–.09 33–3 30 0-84
IDC XI 26 01 39 43.3–1.4 34.74S 71.71W 0 3.8L,3.7 **¶602082640**
GUC XI 26 01 39 46.4–.57 35.05S 71.77W 62–4 3.9L,3.7
NEIC XI 26 01 39 46.0–.00 35.05S 71.77W 62 3.9L,3.7
ISCJB XI 26 01 39 48.4–.58 34.80S–.04 71.92W–.10 50–6 3.3b,3.7
ISC Event type fe.
NEIC Event type fe. Felt [III] at Constitucion, Paredones, Pichilemu and San Fernando; [II] at Curico, Hualane, Iloca, Maule, Parral, Pencahue, Rancagua, Rio Claro, Romeral, Sagrada Familia, Talca and Villa Alegre. After GUC.
ISCJB Event type fe.
ISC XI 26 09 19 31.9–1.9 33.89S–.06 72.0W–.10 19–5 22 1-4
SJA XI 26 09 19 30.0–.29 33.80S 72.20W 33 3.6W,3.4L **¶604740271**
GUC XI 26 09 19 31.2–.68 33.84S 71.89W 35–19 3.5L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=5.4km az=-1.0.
ISC XI 27 04 43 29.9–1.6 31.64S–.03 71.76W–.07 6–13 34 1-5
SJA XI 27 04 43 30.7–1.3 31.74S 72.18W 40–25 3.8W,3.5L **¶604740332**
GUC XI 27 04 43 32.5–.71 31.66S 71.65W 43–4 3.5L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=6.8km s-min=24.7km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=6.5km az=-1.0.
ISC XI 27 17 24 47.3–2.3 32.02S–.03 71.6W–.10 9–13 31 1-4
SJA XI 27 17 24 48.4–.87 32.16S 71.76W 27–5 3.7W,3.5L **¶604740343**
GUC XI 27 17 24 49.2–.50 32.02S 71.42W 26–3 3.6L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=15.3km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=6.9km az=-1.0.
ISC XI 28 03 03 31.2–2.4 29.52S–.05 71.91W–.10 0–13 25 1-6
ISCJB XI 28 03 03 34.8–2.3 29.43S–.05 72.0W–.10 15–24 **¶604740356**
SJA XI 28 03 03 34.8–.70 29.47S 71.81W 10–10 3.5W,3.3L

GUC XI 28 03 03 35.2–.54 29.48S 71.76W 50–7 3.8L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=7.5km az=15.2.
SJA Error ellipse: s-maj=9.6km s-min=8.3km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0.
ISC XI 30 00 56 10.7–2.0 30.04S–.05 71.6W–.10 31–12 21 0-3
GUC XI 30 00 56 11.0–.53 30.04S 71.47W 41–2 2.6L **¶604740397**
SJA XI 30 00 56 11.8–1.2 29.95S 71.50W 11–12 3.2W,2.8L
ISCJB XI 30 00 56 12.9–2.9 30.00S–.05 71.6W–.10 15–13 3.2W,2.8L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 30 04 21 01.4–.98 34.26S–.06 72.39W–.09 10 19 1-153
ISCJB XI 30 04 21 00.0–.87 34.27S–.04 72.51W–.08 10 3.4b,3.2s **¶602390219**
GUC XI 30 04 21 01.9–.43 34.28S 72.43W 7–45 3.8L,3.2s
IDC XI 30 04 21 05.6–4.6 34.29S 72.21W 38–38 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.4km az=6.1.
GUC Error ellipse: s-maj=14.7km s-min=26.2km az=-1.0.
IDC Error ellipse: s-maj=47.8km s-min=26.9km az=94.0.
ISC XI 30 05 24 40.3–1.3 34.27S–.06 72.2W–.10 16 15 1-84
IDC XI 30 05 24 32.9–4.2 34.02S 73.53W 0 3.7,3.7b **¶602390222**
GUC XI 30 05 24 40.0–.63 34.27S 72.46W 15–127 3.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=108.2km s-min=28.4km az=94.0.
GUC Error ellipse: s-maj=31.1km s-min=72.3km az=-1.0.
GUC XI 30 05 25 21.3–.44 34.32S 72.47W 15–999 3.7L
¶604837527
GUC Error ellipse: s-maj=5.1km s-min=5.8km az=-1.0.
ISC XI 30 20 29 27.1–2.0 28.81S–.05 71.41W–.09 6–14 26 1-5
ISCJB XI 30 20 29 28.5–1.5 28.80S–.04 71.51W–.09 18–10 **¶604740411**
GUC XI 30 20 29 29.9–.65 28.88S 71.18W 55–9 3.5L
SJA XI 30 20 29 31.6–.88 29.02S 71.26W 18–7 4.5W,4.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.7km az=14.5.
GUC Error ellipse: s-maj=3.0km s-min=14.7km az=-1.0.
SJA Error ellipse: s-maj=4.8km s-min=10.4km az=-1.0.
ISC XII 01 05 13 55.9–1.8 32.26S–.03 71.89W–.08 5–14 30 1-5
GUC XII 01 05 13 59.6–.43 32.29S 71.77W 15–3 3.2L **¶604740416**
ISCJB XII 01 05 14 00.7–2.0 32.36S–.03 71.89W–.09 10–13 3.2L
SJA XII 01 05 14 00.1–1.2 32.46S 72.00W 42–39 3.5W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=0.8km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.3km az=170.1.
SJA Error ellipse: s-maj=4.3km s-min=9.3km az=-1.0.
ISC XII 01 06 52 18.7–1.9 32.31S–.03 71.87W–.08 12–11 38 1-7
SJA XII 01 06 52 19.5–1.2 32.36S 71.89W 4–13 3.8W,3.6L **¶604740417**
GUC XII 01 06 52 20.6–.46 32.29S 71.68W 29–3 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=8.1km s-min=24.7km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=5.0km az=-1.0.
ISC XII 02 03 29 23.1–1.8 35.44S–.04 72.91W–.07 9–11 4.1b,3.7s 71 1-175
IDC XII 02 03 29 22.2–.97 35.53S 72.58W 0 4.1,4.0 **¶602059828**
NEIC XII 02 03 29 23.0–.00 35.54S 72.77W 15 4.3L,4.3b
SJA XII 02 03 29 23.7–.32 35.38S 72.99W 12–6 4.0L,3.9W
GUC XII 02 03 29 24.0–.68 35.55S 72.77W 19–4 4.3L,3.9W
ISC Event type fe.
IDC Error ellipse: s-maj=32.1km s-min=17.1km az=93.0.
NEIC Event type fe. Felt [IV] at Cauquenes and Chanco; [III] at Cobquecura, Constitucion, Pelluhue and Pencahue; [II] at Colbun, Curico, Iloca, La Laja, San Clemente, Talca and Villa Alegre. After GUC.
SJA Error ellipse: s-maj=8.8km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0.
ISC XII 02 04 21 52.8–.70 33.90S–.04 71.50W–.06 45–7 3.8b 46 1-154
SJA XII 02 04 21 50.7–1.4 33.93S 71.49W 4–13 3.7L,3.5W **¶602390325**
ISCJB XII 02 04 21 53.2–.47 33.93S–.03 71.49W–.07 63–6 3.6b,3.5W
IDC XII 02 04 21 53.4–1.1 33.83S 71.23W 45–8 3.7L,3.6
GUC XII 02 04 21 53.0–.58 33.95S 71.39W 55–7 4.0L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=6.5km s-min=15.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.4km az=16.1.
IDC Error ellipse: s-maj=35.6km s-min=18.4km az=91.0.
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
ISC XII 02 07 37 03.4–1.3 31.16S–.02 71.46W–.05 18–5 82 0-176
IDC XII 02 07 36 59.3–1.6 31.46S 71.52W 0 3.9b,3.7s **¶601995765**
SJA XII 02 07 37 05.6–1.2 31.12S 71.55W 41–980 4.2W,4.1L
NEIC XII 02 07 37 06.0–.00 31.14S 71.34W 57 4.3L,4.1L
GUC XII 02 07 37 07.0–.60 31.14S 71.35W 55–2 4.3L,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=64.9km s-min=35.2km az=118.0.
SJA Error ellipse: s-maj=2.9km s-min=7.9km az=-1.0.
NEIC Event type fe. Felt [IV] at Canela; [III] at Combarbala and Los Vilos; [II] at Illapel and Monte Patria. After GUC.
GUC Error ellipse: s-maj=0.9km s-min=6.4km az=-1.0.
ISC XII 02 18 56 19.8–2.1 29.58S–.03 71.64W–.07 4–15 44 0-14
NEIC XII 02 18 56 24.0–.00 29.66S 71.38W 51 4.3L **¶602032121**
GUC XII 02 18 56 24.0–.65 29.66S 71.38W 51–3 4.3L
SJA XII 02 18 56 25.1–1.2 29.63S 71.42W 14–10 4.4W,4.1L
ISC Event type fe.
NEIC Event type fe. Felt [II] at La Higuera. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=3.7km s-min=17.3km az=-1.0.
ISC XII 04 03 07 26.0–2.4 30.47S–.04 72.0W–.10 6–12 30 1-151
SJA XII 04 03 07 23.8–.31 30.55S 72.62W 55–6 4.3W,3.8L **¶602390424**
GUC XII 04 03 07 30.0–.64 30.57S 71.76W 40–5 3.6L,3.8L
IDC XII 04 03 07 36.2–8.4 30.04S 71.73W 66–57 3.7,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=72.8km s-min=44.7km az=64.0.
ISC XII 04 04 38 13.5–1.9 30.80S–.03 71.68W–.07 0–11 3.5b 36 1-83
IDC XII 04 04 38 13.8–1.6 30.76S 71.57W 0 3.8,3.7b **¶602390433**
ISCJB XII 04 04 38 16.0–1.3 30.84S–.03 71.86W–.08 16–9 3.4b,3.7b
GUC XII 04 04 38 17.5–.54 30.83S 71.54W 44–2 3.9L,3.7b
SJA XII 04 04 38 21.5–.72 30.85S 71.51W 40–41 4.0W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=29.3km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.8km az=3.1.
GUC Error ellipse: s-maj=0.9km s-min=5.7km az=-1.0.
SJA Error ellipse: s-maj=5.9km s-min=40.0km az=-1.0.
ISC XII 04 09 26 12.2–.40 32.74S–.03 71.76W–.05 21–3 4.7b 341 1-176
SJA XII 04 09 26 13.8–1.0 32.66S 71.89W 33 4.5L,4.4W **¶601996030**
ISCJB XII 04 09 26 14.6–.59 32.72S–.02 71.75W–.06 54–5 4.5b,3.3s
NEIC XII 04 09 26 14.1–.63 32.71S 71.75W 38–6 4.6b,4.2L
GUC XII 04 09 26 15.8–.53 32.70S 71.55W 53–2 4.2L,4.2L
IDC XII 04 09 26 15.6–3.2 32.74S 71.58W 44–28 4.3,4.2L
ISC Event type fe.
SJA Error ellipse: s-maj=11.6km s-min=14.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.9km az=169.4.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=5.1km az=85.0. Felt [IV] at Concon, Quillota, Valparaiso and Zapallar; [III] at Puchuncavi and Vina del Mar; [II] at Salamanca, San Felipe and Villa Alemana. Also felt at Limache.
GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=16.5km az=76.0.
ISC XII 04 11 45 14.7–1.9 35.21S–.08 72.3W–.20 21–5 22 1-5
GUC XII 04 11 45 17.2–.62 35.24S 71.86W 16–5 3.6L **¶604740488**
ISC Event type ke.
GUC Error ellipse: s-maj=3.7km s-min=9.5km az=-1.0.
ISC XII 04 12 04 56.6–2.1 32.81S–.05 72.0W–.10 10 39 1-5
SJA XII 04 12 04 54.5–.64 33.04S 72.02W 13–29 3.7W,2.9L **¶604740490**
GUC XII 04 12 05 02.9–.47 32.68S 71.50W 37–5 3.4L,2.9L
ISC Event type ke.
SJA Error ellipse: s-maj=9.3km s-min=25.4km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=5.7km az=-1.0.
ISC XII 04 14 46 24.8–2.4 32.48S–.05 71.8W–.10 15–13 20 1-4
SJA XII 04 14 46 26.1–.41 31.65S 71.85W 22–56 2.7W,2.5L **¶604740494**
GUC XII 04 14 46 28.2–.33 32.45S 71.53W 16–2 2.6L,2.5L
ISC Event type ke.
SJA Error ellipse: s-maj=23.8km s-min=43.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0.
ISC XII 07 07 17 15.7–2.0 28.30S–.08 71.3W–.10 2–15 19 1-4
SJA XII 07 07 17 16.9–.55 28.35S 71.44W 21–4 3.6W,3.2L **¶604740950**
GUC XII 07 07 17 20.2–.69 28.37S 70.88W 55–7 3.3L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=5.7km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=3.5km s-min=13.7km az=-1.0.
ISC XII 08 22 23 19.5–2.0 30.88S–.04 71.58W–.10 17–12 21 1-4
GUC XII 08 22 23 18.3–.40 30.90S 70.92W 49–6 2.9L **¶604740974**
ISCJB XII 08 22 23 19.6–1.3 30.88S–.03 71.58W–.09 21–9 2.9L
SJA XII 08 22 23 20.7–.68 30.95S 71.25W 17–7 3.8W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=23.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=5.4km az=179.8.
SJA Error ellipse: s-maj=3.6km s-min=8.1km az=-1.0.
ISC XII 09 04 16 55.1–4.1 34.8S–.20 71.9W–.20 43–47 18 0-6
SJA XII 09 04 16 37.0–.48 35.41S 73.16W 55–10 4.3W,3.4L **¶604740981**
ISCJB XII 09 04 16 54.8–1.0 34.66S–.06 72.0W–.10 30–8 4.3W,3.4L
GUC XII 09 04 16 54.7–.56 34.71S 71.78W 41–2 3.2L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=13.9km s-min=23.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=6.6km az=20.0.
GUC Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
ISC XII 09 20 34 52.9–3.7 32.04S–.04 71.65W–.10 1–26 24 1-3
SJA XII 09 20 34 56.4–.35 32.02S 71.39W 9–5 3.6W,2.6L **¶604740997**
GUC XII 09 20 34 58.1–.61 32.03S 71.28W 36–3 3.2L,2.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=7.6km az=-1.0.
ISC XII 10 15 25 44.3–1.6 38.95S–.04 73.22W–.07 17–9 4.7b 101 1-176
ISCJB XII 10 15 25 44.0–.78 38.97S–.02 73.09W–.06 24–5 4.6b,4.0s **¶602033978**
GUC XII 10 15 25 44.1–.56 39.01S 73.10W 45 4.7L,4.0s
NEIC XII 10 15 25 47.0–1.3 38.93S 72.86W 33–9 4.8b,4.7L
IDC XII 10 15 25 48.3–3.3 38.89S 72.79W 40–27 4.6L,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.0km az=4.0.
GUC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=4.0km az=88.0. Felt [VI] at Tolten; [V] at Padre Las Casas, Puerto Saavedra and Temuco; [IV] at Lanco, Mariquina and Nueva Imperial; [III] at Cholchol, Corral, Los Lagos, Mafil, Malipeuco, Mehuin, Panguipulli, Teodoro Schmidt, Tirua and Valdivia; [II] at Concepcion, Curarrehue, La Laja and Vilcun. Also felt at Angol, Carahue, Lautaro, Pitrufquen and Villarrica.
IDC Error ellipse: s-maj=25.7km s-min=14.0km az=93.0.
ISC XII 12 14 34 32.2–1.4 33.30S–.04 71.04W–.05 64–7 47 0-5
ISCJB XII 12 14 34 31.0–.79 33.30S–.04 71.09W–.06 73–5 **¶604741047**
SJA XII 12 14 34 30.4–1.1 33.20S 71.16W 63–6 3.5W,3.4L
GUC XII 12 14 34 31.6–.69 33.19S 70.85W 67–3 3.5L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.5km az=158.6.
SJA Error ellipse: s-maj=4.3km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=3.5km s-min=6.4km az=-1.0.
ISC XII 14 08 49 03.6–1.0 33.87S–.06 71.48W–.09 52–9 31 1-156
SJA XII 14 08 48 58.0–.95 33.79S 71.78W 12–6 3.7W,3.7L **¶602391307**
ISCJB XII 14 08 49 02.1–1.1 33.90S–.04 71.5W–.10 50–13 3.6b,3.2s
IDC XII 14 08 49 02.8–4.5 33.80S 71.46W 53–44 3.6,3.6
GUC XII 14 08 49 03.3–.52 33.74S 71.32W 68–16 3.7L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=6.0km s-min=11.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.2km az=1.3.
IDC Error ellipse: s-maj=52.5km s-min=27.8km az=95.0.
GUC Error ellipse: s-maj=5.5km s-min=6.4km az=-1.0.
ISC XII 14 09 05 27.0–.86 33.70S–.05 71.29W–.09 68–7 25 1-156
ISCJB XII 14 09 05 25.4–.97 33.74S–.05 71.4W–.10 69–8 3.5b **¶602391308**
GUC XII 14 09 05 25.0–.52 33.71S 71.30W 79–13 4.0L
IDC XII 14 09 05 27.0–1.1 33.84S 71.28W 70–8 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=8.5km az=178.0.
GUC Error ellipse: s-maj=6.5km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=23.8km az=100.0.
ISC XII 14 10 03 00.3–.61 33.84S–.04 71.39W–.06 61–5 4.2b 56 1-156
ISCJB XII 14 10 02 58.4–.46 33.86S–.03 71.41W–.07 62–4 4.1b **¶602347526**
GUC XII 14 10 02 59.5–.48 33.70S 71.28W 78–12 3.9L
NEIC XII 14 10 02 60.0–.39 33.85S 71.36W 59–4 3.9L
IDC XII 14 10 03 01.2–.88 33.85S 71.26W 64–6 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.5km az=9.9.
GUC Error ellipse: s-maj=5.9km s-min=7.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.0km az=93.0. Felt [III] at Alhue, Curacavi, Las Cabras, Maria Pinto, Melipilla, Mostazal, Navidad and Rancagua; [II] at San Pedro.
IDC Error ellipse: s-maj=29.0km s-min=14.1km az=88.0.
GUC XII 14 12 26 40.2–.42 36.44S 73.60W 30–2 4.0L
¶604837695
GUC Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0.
GUC XII 16 09 53 26.8–.61 33.84S 71.41W 45–4 3.7L
¶604837712
GUC Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
ISC XII 16 22 46 10.9–.37 33.78S–.03 71.49W–.05 45–3 4.7b,3.9s 164 1-176
ISCJB XII 16 22 46 11.0–.44 33.79S–.02 71.50W–.05 63–4 4.6b,3.9s **¶602043833**
IDC XII 16 22 46 10.8–.47 33.63S 71.09W 44–4 4.5L,4.3
GUC XII 16 22 46 11.6–.64 33.80S 71.41W 63–10 4.4L,4.3
NEIC XII 16 22 46 11.0–.00 33.80S 71.41W 63 4.7b,4.6W
SJA XII 16 22 46 28.8–1.1 33.12S 70.03W 103–9 4.7W,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=4.4.
IDC Error ellipse: s-maj=21.4km s-min=13.2km az=67.0.
GUC Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [IV] at Algarrobo, Cartagena, Casablanca, El Quisco, El Tabo, San Antonio, Santo Domingo and Vina del Mar; [III] at Melipilla, Navidad, Pichilemu, San Bernardo, Tiltil and Valparaiso; [II] at Curico, Lolol, Paredones, Parral, Quillota, Rancagua, San Clemente, San Fernando, Santiago and Villa Alemana. Also felt at Colina. After GUC. Moment Tensor Solution. s11 Moment tensor: Scale 10^{15}Nm; M_{rr}3.02 $M_{\theta\theta}$1.59 $M_{\phi\phi}$-4.61 $M_{r\theta}$1.84 $M_{\theta\phi}$0.26 $M_{\phi r}$-8.82 Best double couple: NP1:ϕ_s16.00000°,δ13.00000°,λ117.00000°. NP2:ϕ_s168.00000°,δ79.00000°,λ84.00000°. Principal axes: T 9.1000,Plg56.0000° ,Azm71.0000°; N 1.5000,Plg6.0000°,Azm169.0000°; P -10.5000,Plg3.0000°,Azm26.0000° $M_0$9.90000×10^{15}
SJA Error ellipse: s-maj=11.7km s-min=16.7km az=-1.0.
ISC XII 16 23 12 59.5–1.7 30.70S–.04 71.26W–.07 14–13 31 1-5
GUC XII 16 23 12 58.0–.69 30.78S 71.20W 58–6 2.8L **¶604741115**
ISCJB XII 16 23 12 59.3–1.1 30.76S–.04 71.43W–.08 30–6 2.8L
SJA XII 16 23 12 59.1–1.1 30.74S 71.34W 72–7 3.0W,2.7L
ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=9.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.3km az=165.4.
SJA Error ellipse: s-maj=4.7km s-min=7.6km az=-1.0.
SJA XII 17 22 11 45.5–.61 28.21S 71.71W 60 3.5W,3.2L
¶604741128
SJA Error ellipse: s-maj=8.2km s-min=5.5km az=-1.0.
ISC XII 18 00 45 01.3–1.1 33.82S–.04 71.48W–.06 43–12 51 1-156
IDC XII 18 00 44 55.2–1.2 33.73S 71.44W 0 3.7,3.6L **¶602216203**
SJA XII 18 00 45 00.4–.87 33.87S 71.31W 9–11 3.8L,3.7W
ISCJB XII 18 00 45 01.8–.53 33.85S–.04 71.44W–.07 56–7 3.5b,3.7W
GUC XII 18 00 45 03.3–.63 33.65S 71.19W 66–14 3.9L,3.7W
NEIC XII 18 00 45 03.0–.00 33.65S 71.19W 66 3.9L,3.7b
ISC Event type fe.

IDC Error ellipse: s-maj=45.8km s-min=31.4km az=93.0.
SJA Error ellipse: s-maj=4.2km s-min=12.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.1km az=21.8.
GUC Error ellipse: s-maj=6.7km s-min=8.2km az=-1.0.
NEIC Event type fe. Felt [III] at Curacavi, El Quisco, Maria Pinto, Melipilla, San Pedro, Santo Domingo and Tiltil; [II] at Algarrobo, Salamanca, San Antonio and Valparaiso. Also felt at Santiago. After GUC.

ISC	**XII**	**20 08 11 14.8–2.7**	**28.01S–.09**	**71.6W–.10**	**28**		**21**	**1-7**
GUC	XII	20 08 11 16.9–.54	28.09S	71.33W	43–4	3.0L		**¶604741164**
SJA	XII	20 08 11 16.7–.71	28.25S	71.53W	10–15	3.1L,3.0W		

ISC Event type ke.
GUC Error ellipse: s-maj=2.3km s-min=5.9km az=-1.0.
SJA Error ellipse: s-maj=6.2km s-min=9.0km az=-1.0.

ISC	**XII**	**21 08 15 47.3–3.2**	**34.80S–.07**	**72.5W–.10**	**5–15**		**22**	**1-5**
ISCJB	XII	21 08 15 48.3–1.7	34.81S–.05	72.4W–.10	10–8			**¶604741177**
GUC	XII	21 08 15 48.6–.43	34.77S	72.44W	8–3	3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.2km az=17.0.
GUC Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.

ISC	**XII**	**21 13 45 44.7–2.0**	**28.11S–.07**	**71.27W–.10**	**10**		**24**	**1-5**
GUC	XII	21 13 45 43.6–.66	28.10S	71.29W	20–7	3.4L		**¶604741181**
SJA	XII	21 13 45 44.5–.48	28.17S	71.52W	15	3.7W,3.5L		

ISC Event type ke.
GUC Error ellipse: s-maj=2.4km s-min=4.4km az=-1.0.
SJA Error ellipse: s-maj=4.5km s-min=4.2km az=-1.0.

ISC	**XII**	**22 10 06 31.7–1.6**	**28.03S–.04**	**71.36W–.08**	**31–13**		**47**	**1-152**
IDC	XII	22 10 06 26.2–2.0	28.28S	71.38W	0	3.6,3.6L		**¶602059840**
SJA	XII	22 10 06 30.4–1.0	27.95S	71.52W	33	3.9L,3.7W		
ISCJB	XII	22 10 06 32.9–.81	27.97S–.03	71.39W–.09	48–15	3.3b,3.7W		
GUC	XII	22 10 06 35.6–.57	28.15S	70.77W	59–3	4.1L,3.7W		
NEIC	XII	22 10 06 35.0–.00	28.15S	70.77W	59	4.1L,3.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=59.7km s-min=39.6km az=115.0.
SJA Error ellipse: s-maj=10.7km s-min=15.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=4.9km az=4.0.
GUC Error ellipse: s-maj=3.9km s-min=12.6km az=-1.0.
NEIC Event type fe. Felt [III] at Huasco and [II] at Copiapo, Tierra Amarilla and Vallenar. After GUC.

ISC	**XII**	**23 19 19 18.0–2.3**	**29.73S–.07**	**71.79W–.10**	**13–11**		**28**	**1-6**
GUC	XII	23 19 19 21.4–.82	29.77S	71.33W	68–4	3.0L		**¶604741221**
SJA	XII	23 19 19 23.7–.83	29.85S	71.48W	61–21	3.0W,2.6L		

ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=8.4km az=-1.0.
SJA Error ellipse: s-maj=8.3km s-min=8.0km az=-1.0.

ISC	**XII**	**24 08 56 05.7–1.9**	**29.39S–.04**	**71.4W–.10**	**12–10**		**30**	**1-6**
ISCJB	XII	24 08 56 05.5–1.2	29.38S–.04	71.48W–.09	16–8			**¶604741234**
SJA	XII	24 08 56 06.5–.70	29.55S	71.30W	10	3.5L,3.2W		
GUC	XII	24 08 56 06.5–.64	29.45S	71.17W	41–5	3.7L,3.2W		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.9km az=13.8.
SJA Error ellipse: s-maj=4.6km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=5.5km az=-1.0.

ISC	**XII**	**24 12 12 35.9–.70**	**29.08S–.03**	**71.59W–.05**	**24–4**	**5.1b,4.8s**	**936**	**1-178**
IDC	XII	24 12 12 31.9–.37	29.01S	71.48W	0	5.0,5.0b		**¶602057934**
ISCJB	XII	24 12 12 35.1–.95	28.99S–.02	71.58W–.04	31–6	5.0b,4.8s		
NEIC	XII	24 12 12 35.3–.31	29.04S	71.49W	20–1	5.4L,5.1b		
MOS	XII	24 12 12 36.9–1.3	28.96S	71.39W	36	5.3b,4.7s		
GUC	XII	24 12 12 37.8–.61	29.17S	71.35W	58–4	5.5W,5.4L		
GCMT	XII	24 12 12 41.3–.20	29.01S–.01	71.79W–.02	41–0	5.2W,5.4L		
SJA	XII	24 12 12 42.1–.76	29.25S	71.35W	75	5.4W,5.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=18.0km s-min=11.5km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.6km az=170.6.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.0km az=80.0. Felt [IV] at Coquimbo and La Serena; [III] at Alto del Carmen, Copiapo, La Higuera, Huasco, Tierra Amarilla and Vallenar; [II] at Andacollo, Paiguano and Vicuna.
MOS Error ellipse: s-maj=11.5km s-min=6.2km az=103.2.
GUC Error ellipse: s-maj=2.8km s-min=5.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c95; s87,c136;Duration: 1$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-0.78±.02; $M_{r\theta}$-0.29±.02; $M_{\theta\phi}$-0.24±.01; $M_{\phi r}$-0.16±.02; Best double couple: NP1:ϕ_s214.00000°,δ57.00000°,λ115.00000°. NP2:ϕ_s353.00000°,δ41.00000°,λ57.00000°. Principal axes: T 0.7990,Plg68.0000° ,Azm175.0000°; N 0.0800,Plg21.0000°,Azm19.0000°; P -0.8780,Plg8.0000°,Azm286.0000° $M_0$0.83900×10^{17}

SJA Error ellipse: s-maj=4.7km s-min=5.9km az=-1.0.

ISC	**XII**	**26 07 35 59.8–2.4**	**32.81S–.07**	**71.7W–.20**	**21–6**		**19**	**1-3**
GUC	XII	26 07 35 56.7–.64	32.86S	71.91W	32–5	3.4L		**¶604741288**
SJA	XII	26 07 36 04.3–.28	32.70S	71.31W	10–6	4.1W,3.0L		

ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=5.0km az=-1.0.
SJA Error ellipse: s-maj=3.8km s-min=4.1km az=-1.0.

ISC	**XII**	**26 13 17 57.9–.96**	**37.33S–.03**	**73.41W–.06**	**32–6**	**5.5b,5.1s**	**973**	**1-177**
GUC	XII	26 13 17 56.2–.46	37.35S	73.70W	33–28	5.3W,5.2L		**¶602058915**
NEIC	XII	26 13 17 57.3–.96	37.27S	73.27W	29–6	5.5b,5.3W		
ISCJB	XII	26 13 17 57.9–.56	37.21S–.02	73.22W–.06	44–5	5.4b,5.1s		
MOS	XII	26 13 17 58.3–1.2	37.14S	73.27W	41	5.7b,5.2s		
GCMT	XII	26 13 17 58.3–.20	37.41S–.01	73.78W–.02	25–0	5.4W,5.2s		
IDC	XII	26 13 17 59.8–2.4	37.30S	73.23W	43–21	5.0,4.9		

ISC Event type fe.
GUC Error ellipse: s-maj=15.6km s-min=7.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=78.0. Felt [V] at Arauco and Tome; [IV] at Cauquenes, Cobquecura, Collipulli, Concepcion, La Laja, Los Sauces and Renaico; [III] at Angol, Constitucion, Ercilla, Linares, Longavi, Parral, Puren, Tirua, Victoria and Villa Alegre; [II] at Carahue, Curico, Lumaco, Maule and San Clemente. Also felt at Chillan and Temuco. Moment Tensor Solution. s26 Moment tensor: Scale 10^{16}Nm; M_{rr}6.72 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-7.41 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.95 $M_{\phi r}$-4.70 Best double couple: NP1:ϕ_s178.00000° ,δ62.00000°,λ94.00000°. NP2:ϕ_s349.00000°,δ29.00000°,λ82.00000°. Principal axes: T 8.1500,Plg73.0000°,Azm98.0000°; N 0.7600,Plg4.0000°,Azm355.0000° ; P -8.9100,Plg17.0000°,Azm264.0000° $M_0$8.60000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.8km az=173.7.
MOS Error ellipse: s-maj=13.9km s-min=6.2km az=94.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c127; s99,c162;Duration: 1$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-1.23±.06; Best double couple: NP1:ϕ_s182.00000°,δ73.00000°,λ89.00000°. NP2:ϕ_s4.00000°,δ17.00000°,λ92.00000°. Principal axes: T 1.4610,Plg62.0000°,Azm91.0000° ; N 0.0470,Plg1.0000°,Azm182.0000°; P -1.5080,Plg28.0000°,Azm273.0000° $M_0$1.48400×10^{17}

IDC Error ellipse: s-maj=16.7km s-min=10.2km az=85.0.

GUC	**XII**	**26 18 09 00.5–.60**	**34.34S**	**71.99W**	**22–4**	**3.6L**		**¶604837799**

GUC Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0.

ISC	**XII**	**26 18 39 49.9–2.0**	**29.14S–.04**	**71.87W–.07**	**2–11**	**4.4b**	**55**	**1-150**
IDC	XII	26 18 39 51.3–1.1	29.41S	71.23W	0	4.3b,4.1		**¶602380604**
SJA	XII	26 18 39 55.0–.62	29.40S	71.60W	10	4.5L,3.7W		
GUC	XII	26 18 39 58.3–.52	29.26S	70.99W	67–4	4.3L,3.7W		
NEIC	XII	26 18 39 58.0–.00	29.26S	70.99W	67	4.3L,3.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=40.5km s-min=22.7km az=115.0.
SJA Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=12.3km az=-1.0.
NEIC Event type fe. Felt [III] at La Higuera and [II] at Coquimbo, La Serena, Paiguano and Vallenar. After GUC.

ISC	**XII**	**27 04 51 27.3–2.2**	**28.84S–.06**	**71.5W–.10**	**7–13**		**17**	**1-4**
ISCJB	XII	27 04 51 31.0–1.8	28.83S–.05	71.5W–.10	20–10			**¶604741308**
GUC	XII	27 04 51 31.1–.56	28.88S	71.30W	58–6	3.5L		
SJA	XII	27 04 51 37.6–.58	29.00S	71.12W	69–12	4.1W,3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=7.8km az=18.2.
GUC Error ellipse: s-maj=2.9km s-min=7.5km az=-1.0.
SJA Error ellipse: s-maj=4.7km s-min=11.2km az=-1.0.

ISC	**XII**	**27 07 05 14.2–1.8**	**28.98S–.03**	**71.56W–.07**	**4–10**	**4.1b**	**34**	**1-153**
IDC	XII	27 07 05 13.6–1.1	29.21S	71.41W	0	3.9,3.8b		**¶602380697**
ISCJB	XII	27 07 05 16.1–1.4	29.00S–.04	71.80W–.08	21–9	3.8b,3.8b		
GUC	XII	27 07 05 18.6–.68	29.10S	71.37W	67–8	3.7L,3.8b		
SJA	XII	27 07 05 19.3–.56	29.19S	71.52W	11–3	4.1W,3.7L		

ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=35.5km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.6km az=7.6.
GUC Error ellipse: s-maj=2.3km s-min=9.2km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.

ISC	**XII**	**28 01 22 35.5–2.5**	**29.25S–.07**	**71.33W–.10**	**1–13**		**22**	**1-4**
GUC	XII	28 01 22 35.4–.58	29.23S	71.16W	59–4	3.7L		**¶604741331**
SJA	XII	28 01 22 35.6–.53	29.26S	71.36W	24–4	3.6W,3.4L		

ISC Event type ke.
GUC Error ellipse: s-maj=3.1km s-min=6.6km az=-1.0.
SJA Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0.

ISC	**XII**	**28 06 19 27.5–1.8**	**32.00S–.03**	**71.50W–.08**	**12–11**		**26**	**1-3**
SJA	XII	28 06 19 27.7–.85	32.09S	71.78W	40–999	3.8W,3.0L		**¶604741333**
GUC	XII	28 06 19 28.6–.71	32.02S	71.44W	22–29	3.2L,3.0L		

ISC Event type ke.
SJA Error ellipse: s-maj=5.4km s-min=5.9km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=16.1km az=-1.0.

ISC	**XII**	**28 13 50 34.1–.82**	**29.53S–.03**	**71.15W–.06**	**45–7**	**4.5b,3.4s**	**92**	**0-175**
IDC	XII	28 13 50 26.9–.63	29.73S	71.17W	0	4.5,4.4		**¶602064199**
ISCJB	XII	28 13 50 34.4–.45	29.52S–.03	71.18W–.07	62–4	4.4b,4.4		
NEIC	XII	28 13 50 34.0–.00	29.55S	71.07W	40	4.6b,4.5W		
GUC	XII	28 13 50 34.1–.61	29.56S	71.07W	40–3	4.3L,4.5W		
SJA	XII	28 13 50 47.0–.53	29.87S	70.14W	81–4	4.7W,4.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=19.8km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=4.3km az=3.9.
NEIC Event type fe. Felt [IV] at Andacollo, Coquimbo, La Serena, Paiguano and Vicuna, [III] at La Higuera and [II] at Rio Hurtado. After GUC. Moment Tensor Solution. s14 Moment tensor: Scale 10^{15}Nm; M_{rr}5.58 $M_{\theta\theta}$-1.59 $M_{\phi\phi}$-3.99 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.03 $M_{\phi r}$-4.62 Best double couple: NP1:ϕ_s189.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s358.00000°,δ23.00000°,λ80.00000°. Principal axes: T 7.5700,Plg67.0000°,Azm107.0000°; N -1.6800,Plg4.0000°,Azm8.0000° ; P -5.9000,Plg22.0000°,Azm276.0000° $M_0$6.90000×10^{15}

GUC Error ellipse: s-maj=1.5km s-min=5.5km az=-1.0.
SJA Error ellipse: s-maj=3.3km s-min=7.2km az=-1.0.

SJA	**XII**	**28 18 40 30.1–.77**	**32.36S**	**71.79W**	**11–11**	**4.0W,2.6L**		**¶604741366**

SJA Error ellipse: s-maj=8.5km s-min=14.4km az=-1.0.

ISC	**XII**	**28 23 56 00.8–2.7**	**29.52S–.04**	**71.4W–.10**	**19–5**		**19**	**1-4**
ISCJB	XII	28 23 55 59.9–2.6	29.51S–.05	71.5W–.20	17–14			**¶604741376**
SJA	XII	28 23 56 01.1–.60	29.55S	71.25W	24–2	4.4W,4.0L		
GUC	XII	28 23 56 02.0–.56	29.56S	70.94W	48–5	3.6L,4.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=7.1km az=7.1.
SJA Error ellipse: s-maj=1.8km s-min=8.9km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=26.1km az=-1.0.

ISC	**XII**	**29 19 35 56.5–1.8**	**34.94S–.06**	**71.32W–.08**	**97–14**		**36**	**1-10**
ISCJB	XII	29 19 35 55.6–.70	34.96S–.05	71.38W–.10	105–7			**¶602380805**
GUC	XII	29 19 35 57.3–.50	34.91S	71.39W	94–4	3.8L		
NEIC	XII	29 19 35 57.0–.00	34.91S	71.39W	94	3.8L		
SJA	XII	29 19 35 58.3–.64	34.92S	70.90W	67–9	4.1W,3.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=6.4km az=19.4.
GUC Error ellipse: s-maj=2.5km s-min=4.7km az=-1.0.
NEIC Event type fe. Felt [III] at Talca. After GUC.
SJA Error ellipse: s-maj=5.9km s-min=5.6km az=-1.0.

ISC	**XII**	**29 21 56 20.0–1.3**	**33.94S–.04**	**71.49W–.06**	**14–12**		**22**	**1-4**
SJA	XII	29 21 56 17.2–.45	34.00S	71.71W	25–6	3.7W,3.3L		**¶604741408**
ISCJB	XII	29 21 56 19.7–2.5	33.92S–.04	71.50W–.07	6–22	3.7W,3.3L		
GUC	XII	29 21 56 21.0–.55	33.93S	71.43W	51–8	3.5L,3.3L		

ISC Event type ke.
SJA Error ellipse: s-maj=6.2km s-min=11.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.9km az=29.6.
GUC Error ellipse: s-maj=2.3km s-min=3.4km az=-1.0.

ISC	**XII**	**30 15 51 44.6–1.9**	**32.48S–.04**	**71.79W–.07**	**6–12**		**29**	**1-5**
ISCJB	XII	30 15 51 45.9–1.2	32.62S–.04	71.87W–.07	3–8			**¶604741428**
SJA	XII	30 15 51 46.4–.63	32.55S	71.74W	9–9	3.8L,3.6W		
GUC	XII	30 15 51 47.8–.56	32.45S	71.57W	20–5	3.4L,3.6W		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.8km az=159.0.
SJA Error ellipse: s-maj=3.9km s-min=13.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0.

ISC	**XII**	**30 22 43 00.3–1.8**	**34.66S–.05**	**72.7W–.10**	**10**		**24**	**1-7**
ISCJB	XII	30 22 43 02.7–1.1	34.74S–.04	72.58W–.09	10			**¶604741432**
GUC	XII	30 22 43 03.9–.46	34.76S	72.55W	8–3	4.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.9km az=5.8.
GUC Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0.

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ISC	**VII**	**03 05 47 34.7–.39**	**28.11S–.04**	**70.61W–.05**	**67–3**	**4.4b**	**167**	**0-160**
SJA	VII	03 05 47 26.5–.57	27.62S	71.16W	71–9	5.2W,4.7L		**¶601235620**
ISCJB	VII	03 05 47 34.4–.31	28.13S–.03	70.42W–.06	73–2	4.2b,4.7L		
GUC	VII	03 05 47 34.9–.54	28.16S	70.48W	53–6	4.6L,4.7L		
NEIC	VII	03 05 47 35.0–.00	28.17S	70.42W	62	4.6L,4.4b		
IDC	VII	03 05 47 35.3–.51	28.09S	70.37W	67–4	4.3,4.2		

ISC Event type fe.
SJA Error ellipse: s-maj=12.3km s-min=9.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.7km az=0.1.
GUC Error ellipse: s-maj=2.9km s-min=10.2km az=-1.0.
NEIC Event type fe. Felt [V] at Caldera, Copiapo and Tierra Amarilla; [IV] at Huasco, La Higuera and Vallenar; [III] at Alto del Carmen, Freirina and La Serena; [II] at Paihuano and Rio Hurtado. After GUC.
IDC Error ellipse: s-maj=19.7km s-min=12.0km az=74.0.

ISC	**VII**	**04 08 33 06.8–.33**	**38.00S–.03**	**72.92W–.06**	**31–2**	**4.7b,4.4s**	**826**	**1-176**
GUC	VII	04 08 33 05.7–1.1	38.04S	73.29W	33–7	5.2L,4.4s		**¶601237354**
GCMT	VII	04 08 33 05.0–.30	38.09S	73.31W	45–1	5.1W,4.4s		
NEIC	VII	04 08 33 05.0–.00	38.04S	73.29W	33	5.2L,4.7b		
MOS	VII	04 08 33 06.3–1.1	37.95S	72.93W	33	4.8b,4.7b		
SJA	VII	04 08 33 06.8–.55	37.92S	72.66W	30	5.4W,4.7L		
IDC	VII	04 08 33 07.8–.39	37.98S	72.80W	37–3	4.8L,4.7		
ISCJB	VII	04 08 33 07.6–.52	37.90S–.03	72.69W–.06	50–4	4.7b,4.5s		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s63,c74; s64,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.52±.22 $M_{\theta\theta}$-0.30±.14; $M_{\phi\phi}$-4.22±.14; $M_{r\theta}$-0.59±.11; $M_{\theta\phi}$0.53±.10; $M_{\phi r}$-3.42±.15; Best double couple: NP1:ϕ_s183.00000°,δ64.00000°,λ98.00000°. NP2:ϕ_s344.00000°,δ27.00000°,λ73.00000°. Principal axes: T 5.7860,Plg70.0000°,Azm110.0000°; N -0.3670,Plg8.0000°,Azm359.0000° ; P -5.4180,Plg19.0000°,Azm266.0000° $M_0$5.60200×10^{16}

NEIC Event type fe. Felt [V] at Angol, Collipulli, Ercilla, Lautaro, Nueva Imperial, Padre Las Casas, Renaico and Temuco; [IV] at Canete, Carahue, Cholochol, Curacautin, La Laja, Lebu, Los Angeles, Nacimiento, Negrete, Puerto Saavedra and San Rosendo; [III] at Arauco, Chiguayante, Concepcion, Mulchen, San Pedro de la Paz, Talcahuano, Tirua and Yumbel. After GUC.
ISCJB Event type fe.

GUC	**VII**	**06 07 15 06.8–.56**	**40.55S**	**72.47W**	**93–4**	**3.6L**		**¶604836272**

GUC Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0.

GUC	**VII**	**08 19 21 06.3–.79**	**28.10S**	**70.28W**	**65–40**	**3.6L**		**¶604836281**

GUC Error ellipse: s-maj=4.2km s-min=21.5km az=-1.0.

ISC	**VII**	**14 03 48 14.3–1.7**	**29.07S–.04**	**70.30W–.06**	**130–11**		**48**	**0-6**
ISCJB	VII	14 03 48 15.0–.73	29.12S–.03	70.30W–.05	125–6			**¶603976810**
GUC	VII	14 03 48 15.7–.43	29.17S	70.02W	88–16	3.2L		
SJA	VII	14 03 48 16.4–.83	29.18S	70.28W	108–5	3.2W,2.9L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.1km az=174.6.
GUC Error ellipse: s-maj=2.3km s-min=17.2km az=-1.0.
SJA Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.

ISC	**VII**	**14 22 34 39.1–1.2**	**36.09S–.02**	**71.01W–.04**	**8–7**	**4.8b,3.9s**	**169**	**1-176**	
SJA	VII	14 22 34 35.7–.63	36.57S	71.13W	33	4.6L,4.5W			¶601273540
IDC	VII	14 22 34 38.0–.52	36.06S	70.81W	0	4.6,4.5			
ISCJB	VII	14 22 34 38.4–.24	36.13S–.03	70.93W–.04	10	4.7b,3.9s			
BJI	VII	14 22 34 39.8	36.04S	71.03W	21	5.0b,5.0s			
GUC	VII	14 22 34 40.3–.59	36.08S	71.05W	10–5	5.0L,5.0s			
NEIC	VII	14 22 34 40.0–.00	36.08S	71.05W	10	5.0L,4.8b			

ISC Event type fe.
SJA Error ellipse: s-maj=6.2km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=14.8km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=9.0.
GUC Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt [V] at Talca; [IV] at Constitucion; [III] at Linares, Longavi, Maule, Parral, Pelarco, San Clemente and Villa Alegre; [II] at Pencahue and Rio Claro. Also felt at Santiago. After GUC.

ISC	**VII**	**17 06 44 53.2–1.8**	**29.04S–.04**	**70.19W–.06**	**122–13**		**31**	**0-4**	
ISCJB	VII	17 06 44 52.6–.86	29.04S–.03	70.18W–.06	126–7				¶603976853
GUC	VII	17 06 44 52.7–.67	29.06S	70.16W	114–4	3.6L			
SJA	VII	17 06 44 52.7–.64	29.08S	70.18W	120–4	3.7W,3.3L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.7km az=179.6.
GUC Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0.
SJA Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.

ISC	**VII**	**21 08 18 33.9–2.2**	**28.84S–.04**	**70.84W–.09**	**107–13**		**24**	**0-3**	
ISCJB	VII	21 08 18 33.9–1.3	28.83S–.04	70.80W–.07	107–9				¶603976906
SJA	VII	21 08 18 33.3–.55	28.95S	70.85W	107–4	2.8W,2.3L			
GUC	VII	21 08 18 35.0–.48	28.95S	70.21W	70–24	2.6L,2.3L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.3km az=0.3.
SJA Error ellipse: s-maj=3.4km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=25.4km az=-1.0.

SJA	**VII**	**22 23 24 39.2–.80**	**29.43S**	**70.80W**	**22–52**	**3.6W,2.8L**			
									¶604391971

SJA Error ellipse: s-maj=8.1km s-min=47.0km az=-1.0.

ISC	**VIII**	**04 19 52 02.5–1.4**	**35.14S–.04**	**71.9W–.10**	**15–14**		**31**	**1-6**	
GUC	VIII	04 19 52 03.2–.53	35.03S	72.00W	19–4	3.8L			¶603977117
SJA	VIII	04 19 52 03.0–.63	35.30S	71.72W	144–8	3.4W,3.4L			

ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=6.4km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=9.4km az=-1.0.

ISC	**VIII**	**08 00 31 26.8–1.1**	**28.35S–.08**	**70.7W–.30**	**60–7**	**4.0b**	**20**	**0-152**	
GUC	VIII	08 00 31 25.2–.56	28.36S	70.72W	60–3	3.8L			¶601765633
SJA	VIII	08 00 31 25.4–.51	28.41S	71.12W	31–4	3.9W,3.6L			
IDC	VIII	08 00 31 28.3–5.5	28.43S	70.58W	74–51	4.0,3.7			

ISC Event type ke.
GUC Error ellipse: s-maj=4.0km s-min=14.7km az=-1.0.
SJA Error ellipse: s-maj=5.6km s-min=8.9km az=-1.0.
IDC Error ellipse: s-maj=69.8km s-min=28.8km az=115.0.

ISC	**VIII**	**24 05 52 21.0–.59**	**28.35S–.04**	**70.85W–.09**	**52–5**	**4.2b**	**62**	**0-152**	
GUC	VIII	24 05 52 19.8–.66	28.44S	70.47W	46–14	4.2L			¶601626438
NEIC	VIII	24 05 52 19.0–.00	28.43S	70.52W	50	4.4b,4.3L			
ISCJB	VIII	24 05 52 20.0–.50	28.32S–.03	70.93W–.09	55–5	4.1b,4.3L			
SJA	VIII	24 05 52 20.8–.44	28.44S	71.01W	34–3	4.2W,4.0L			
IDC	VIII	24 05 52 20.9–.68	28.44S	70.81W	54–5	3.8,3.8			

ISC Event type fe.
GUC Error ellipse: s-maj=5.1km s-min=22.9km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.9km az=4.6.
SJA Error ellipse: s-maj=5.0km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=16.4km az=72.0.

GUC	**VIII**	**31 18 05 14.4–.65**	**40.67S**	**72.57W**	**47–12**	**3.8L**			
									¶604836636

GUC Error ellipse: s-maj=2.8km s-min=4.6km az=-1.0.

ISC	**IX**	**04 16 17 43.2–.45**	**35.75S–.03**	**71.46W–.05**	**100–4**	**4.4b**	**152**	**1-164**	
ISCJB	IX	04 16 17 41.9–.28	35.81S–.02	71.42W–.05	99–2	4.4b			¶601674448
GUC	IX	04 16 17 41.9–.77	35.77S	71.67W	101–6	4.9L			
SJA	IX	04 16 17 41.8–1.2	35.79S	71.52W	33–24	4.5L,4.0W			
NEIC	IX	04 16 17 43.3–.20	35.77S	71.24W	99	4.9L,4.4b			
IDC	IX	04 16 17 43.7–.68	35.72S	71.23W	98–6	4.4,4.2			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.4km az=16.5.
GUC Error ellipse: s-maj=3.6km s-min=7.8km az=-1.0.
SJA Error ellipse: s-maj=4.0km s-min=31.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.8km az=84.0. Felt [IV] at Talca; [III] at Cauquenes, Colbun, Lolol, Longavi, Pelarco, Pencahue, Santa Cruz and Villa Alegre; [II] at Constitucion, Curico, Iloca, Parral, Pichilemu, Rancagua and San Javier. Also felt at Linares.
IDC Error ellipse: s-maj=17.8km s-min=11.3km az=87.0.

GUC	**IX**	**06 17 48 29.7–.73**	**35.71S**	**71.80W**	**91–7**	**3.5L**			
									¶604836678

GUC Error ellipse: s-maj=2.7km s-min=9.3km az=-1.0.

ISC	**IX**	**09 23 36 52.0–.86**	**28.01S–.03**	**70.69W–.06**	**55–8**	**4.0b**	**54**	**1-152**	
IDC	IX	09 23 36 43.4–2.0	28.29S	70.61W	0	3.8,3.8L			¶601737014
ISCJB	IX	09 23 36 51.8–.40	28.00S–.02	70.64W–.05	70–4	3.8b,3.8L			
GUC	IX	09 23 36 51.4–.61	28.08S	70.53W	53–7	3.7L,3.8L			
NEIC	IX	09 23 36 51.6–.71	27.99S	70.46W	52–7	4.1b,3.8L			
SJA	IX	09 23 36 51.0–.34	27.93S	70.68W	94–9	4.2L,3.9W			

ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=35.5km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=4.4.
GUC Error ellipse: s-maj=4.3km s-min=24.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=91.0.
SJA Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.

GUC	**IX**	**26 15 16 11.6–.45**	**36.14S**	**71.71W**	**127–10**	**3.7L**			
									¶604836850

GUC Error ellipse: s-maj=3.4km s-min=19.4km az=-1.0.

ISC	**IX**	**27 23 07 26.4–.50**	**28.39S–.03**	**70.17W–.04**	**100–4**	**4.5b**	**84**	**1-160**	
NEIC	IX	27 23 07 26.0–.00	28.48S	70.08W	99	4.7L,4.6b			¶601751838
GUC	IX	27 23 07 26.7–.69	28.48S	70.08W	99–10	4.7L,4.6b			
IDC	IX	27 23 07 26.7–.63	28.48S	69.73W	89–5	4.4,4.2			
SJA	IX	27 23 07 26.9–.72	28.46S	70.01W	149–7	4.4W,4.2L			

ISC Event type fe.
NEIC Event type fe. Felt [V] at Tierra Amarilla, [IV] at Copiapo and [II] at La Higuera and Paiguano. After GUC.
GUC Error ellipse: s-maj=4.9km s-min=16.6km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=15.8km az=104.0.
SJA Error ellipse: s-maj=3.7km s-min=7.0km az=-1.0.

ISC	**X**	**03 07 08 27.4–4.6**	**35.1S–.20**	**71.7W–.20**	**45–49**		**12**	**0-4**	
SJA	X	03 07 08 15.8–.54	35.22S	72.62W	50–7	3.9W,3.8L			¶604738036
GUC	X	03 07 08 25.8–.72	34.82S	71.85W	66–12	3.8L,3.8L			

ISC Event type ke.
SJA Error ellipse: s-maj=5.7km s-min=12.8km az=-1.0.
GUC Error ellipse: s-maj=7.2km s-min=8.3km az=-1.0.

ISC	**X**	**13 04 13 15.7–1.1**	**36.27S–.06**	**71.3W–.10**	**136–13**		**35**	**1-84**	
SJA	X	13 04 13 11.6–.67	36.36S	71.58W	33–21	4.0L,3.5W			¶601998083
ISCJB	X	13 04 13 15.0–.53	36.28S–.05	71.2W–.10	132–10	3.3b,3.5W			
GUC	X	13 04 13 16.3–.60	36.25S	71.35W	136–9	4.0L,3.5W			
IDC	X	13 04 13 18.6–3.9	36.40S	70.38W	124–96	4.4L,3.9			

ISC Event type ke.
SJA Error ellipse: s-maj=10.2km s-min=13.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=5.2km az=20.4.
GUC Error ellipse: s-maj=3.0km s-min=13.2km az=-1.0.
IDC Error ellipse: s-maj=225.2km s-min=33.6km az=81.0.

ISC	**X**	**16 18 29 19.3–1.9**	**29.00S–.05**	**70.86W–.08**	**82–13**		**17**	**0-3**	
ISCJB	X	16 18 29 18.4–1.2	28.98S–.05	70.89W–.08	89–10				¶604738347
GUC	X	16 18 29 18.5–.69	29.07S	70.50W	75–22	3.2L			
SJA	X	16 18 29 18.1–.72	29.10S	70.70W	144–14	3.6L,3.3W			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.0km az=19.6.
GUC Error ellipse: s-maj=11.8km s-min=72.1km az=-1.0.
SJA Error ellipse: s-maj=6.0km s-min=8.7km az=-1.0.

ISC	**X**	**21 15 27 59.7–1.9**	**35.43S–.05**	**71.27W–.09**	**82–25**		**26**	**1-4**	
ISCJB	X	21 15 27 58.7–.98	35.45S–.04	71.26W–.09	90–15				¶604738457
GUC	X	21 15 27 58.5–.62	35.37S	71.50W	108–5	3.5L			
SJA	X	21 15 27 59.3–1.0	35.35S	71.14W	64–17	3.0L,2.8W			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.5km az=15.6.
GUC Error ellipse: s-maj=2.5km s-min=6.6km az=-1.0.
SJA Error ellipse: s-maj=10.9km s-min=11.0km az=-1.0.

ISC	**X**	**27 12 25 12.3–2.0**	**35.56S–.06**	**71.3W–.10**	**95–23**		**29**	**1-7**	
ISCJB	X	27 12 25 11.5–.84	35.62S–.05	71.26W–.09	106–11				¶604738593
GUC	X	27 12 25 13.3–.29	35.47S	71.65W	100–3	3.8L			
SJA	X	27 12 25 18.5–.64	35.16S	70.71W	144–7	3.4W,3.3L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.9km az=22.7.
GUC Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
SJA Error ellipse: s-maj=4.6km s-min=5.4km az=-1.0.

ISC	**X**	**30 12 46 24.8–.96**	**29.63S–.05**	**70.9W–.20**	**111–8**	**3.7b**	**28**	**1-153**	
IDC	X	30 12 46 19.8–1.2	29.69S	71.68W	0	3.9,3.8			¶602000477
GUC	X	30 12 46 24.3–.61	29.64S	70.92W	105–4	4.2L,3.8			
NEIC	X	30 12 46 24.0–.00	29.64S	70.92W	105	4.2L,3.8			
SJA	X	30 12 46 31.8–1.4	29.79S	71.31W	75–17	4.1W,3.8L			

ISC Event type fe.
IDC Error ellipse: s-maj=65.0km s-min=34.3km az=83.0.
GUC Error ellipse: s-maj=2.4km s-min=31.9km az=-1.0.
NEIC Event type fe. Felt [II] at Coquimbo, La Higuera and La Serena. After GUC.
SJA Error ellipse: s-maj=10.2km s-min=21.1km az=-1.0.

ISC	**XI**	**24 14 58 50.4–2.0**	**35.11S–.07**	**71.2W–.10**	**137–17**		**25**	**1-6**	
ISCJB	XI	24 14 58 49.8–.91	35.14S–.07	71.2W–.20	137–10				¶604740241
GUC	XI	24 14 58 52.7–.40	35.12S	71.22W	118–3	3.5L			
SJA	XI	24 14 59 09.5–.36	33.67S	70.35W	33	2.7L,2.6W			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=7.0km az=23.5.
GUC Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0.
SJA Error ellipse: s-maj=7.4km s-min=2.9km az=-1.0.

ISC	**XI**	**29 20 40 59.6–1.7**	**36.46S–.04**	**71.21W–.05**	**11–11**	**4.0b,3.5s**	**45**	**1-158**	
IDC	XI	29 20 40 58.0–1.0	36.51S	71.32W	0	3.9,3.8L			¶602311699
GUC	XI	29 20 40 59.3–.40	36.42S	71.09W	3–3	4.1L,3.8L			
NEIC	XI	29 20 40 59.0–.00	36.43S	71.08W	3	4.2b,4.1L			

ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=18.4km az=94.0.
GUC Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
NEIC Event type se. After GUC.

ISC	**XII**	**03 09 31 54.2–.24**	**28.68S–.03**	**70.43W–.04**	**91–1**	**4.7b**	**968**	**0-177**	
SJA	XII	03 09 31 51.0–.65	28.59S	70.69W	115–3	4.9W,4.8L			¶601995950
ISCJB	XII	03 09 31 52.8–.26	28.58S–.02	70.24W–.04	88–2	4.6b,4.8L			
MOS	XII	03 09 31 52.2–1.0	28.61S	70.22W	74	4.8b,4.8L			
GUC	XII	03 09 31 53.5–.52	28.75S	70.30W	95–4	5.2L,5.1W			
NEIC	XII	03 09 31 53.0–.00	28.75S	70.30W	95	5.2L,4.6b			
IDC	XII	03 09 31 54.6–.33	28.61S	70.26W	89–2	4.8,4.5			
GCMT	XII	03 09 31 57.0–.30	28.75S–.02	70.58W–.03	109–2	5.1W,4.5			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Copiapo, Coquimbo, La Serena and Vallenar. After GUC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c50; s89,c124;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.24 $M_{\theta\theta}$2.70±.31; $M_{\phi\phi}$0.27±.43; $M_{r\theta}$1.80±.13; $M_{\theta\phi}$3.55±.27; $M_{\phi r}$4.04±.18; Best double couple: NP1:ϕ_s207.00000°,δ72.00000°,λ-118.00000°. NP2:ϕ_s88.00000°,δ33.00000°,λ-34.00000°. Principal axes: T 6.8150,Plg22.0000° ,Azm319.0000°; N -1.0720,Plg27.0000°,Azm217.0000°; P -5.7430,Plg54.0000° ,Azm83.0000° $M_0$6.27900×10^{16}

ISC	**XII**	**05 16 25 32.7–.53**	**28.65S–.03**	**70.64W–.05**	**91–4**		**98**	**0-175**	
IDC	XII	05 16 25 29.8–2.5	28.76S	70.40W	59–22	3.9,3.9			¶601996087
NEIC	XII	05 16 25 31.7–.47	28.64S	70.21W	75–5	4.6b,4.4L			
SJA	XII	05 16 25 31.9–.77	28.66S	70.66W	95–4	4.4L,4.0W			
BJI	XII	05 16 25 32.5	28.60S	70.00W	97	5.7b,4.0W			
GUC	XII	05 16 25 32.9–.59	28.77S	70.28W	81–5	4.4L,4.0W			
ISCJB	XII	05 16 25 32.4–.33	28.64S–.03	70.62W–.05	100–3	4.3b,4.0W			

ISC Event type fe.
NEIC Event type fe. Felt [III] at Alto del Carmen, Copiapo, Tierra Amarilla and Vallenar.
ISCJB Event type fe.

ISC	**XII**	**12 15 48 44.9–2.0**	**28.04S–.05**	**70.98W–.08**	**6–13**		**17**	**1-5**	
SJA	XII	12 15 48 42.3–.81	28.05S	71.34W	14–44	3.3L,3.2W			¶604741049
ISCJB	XII	12 15 48 45.3–2.0	28.04S–.06	71.08W–.10	13–16	3.3L,3.2W			
GUC	XII	12 15 48 47.7–.59	28.19S	70.64W	41–4	3.5L,3.2W			

ISC Event type ke.
SJA Error ellipse: s-maj=51.1km s-min=17.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=6.5km az=31.3.
GUC Error ellipse: s-maj=3.4km s-min=11.3km az=-1.0.

GUC	**XII**	**14 02 00 28.8–.60**	**35.43S**	**71.80W**	**97–4**	**3.6L**			
									¶604837688

GUC Error ellipse: s-maj=4.9km s-min=7.7km az=-1.0.

ISC	**XII**	**18 06 55 28.1–1.9**	**28.37S–.05**	**70.97W–.09**	**14–11**		**31**	**1-6**	
SJA	XII	18 06 55 27.9–.74	28.39S	71.08W	28–4	3.4L,3.3W			¶604741131
ISCJB	XII	18 06 55 28.7–2.0	28.38S–.06	71.1W–.10	23–13	3.4L,3.3W			
GUC	XII	18 06 55 29.2–.51	28.50S	70.91W	35–3	4.0L,3.3W			

ISC Event type ke.
SJA Error ellipse: s-maj=4.9km s-min=10.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=8.5km az=12.3.
GUC Error ellipse: s-maj=3.5km s-min=7.9km az=-1.0.

SJA	**XII**	**28 19 58 13.1–.75**	**29.57S**	**70.93W**	**12–5**	**3.8W,3.2L**			
									¶604741371

SJA Error ellipse: s-maj=1.7km s-min=9.8km az=-1.0.

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ISC	**VII**	**01 08 48 30.7–1.4**	**31.49S–.03**	**69.26W–.04**	**120–9**		**46**	**0-4**	
ISCJB	VII	01 08 48 30.6–.63	31.49S–.02	69.26W–.04	120–6				¶603976683
GUC	VII	01 08 48 30.5–.45	31.47S	69.66W	151–9	3.4L			
SJA	VII	01 08 48 30.6–1.0	31.48S	69.28W	111–4	3.5W,3.3L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=15.2.
GUC Error ellipse: s-maj=1.1km s-min=11.3km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=4.7km az=-1.0.

SJA	**VII**	**01 22 03 20.3–.60**	**31.85S**	**67.17W**	**132–3**	**3.5W,2.9L**			
									¶604404003

SJA Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0.

ISC	**VII**	**04 04 55 10.0–1.5**	**29.83S–.03**	**68.36W–.05**	**7–12**		**22**	**1-4**	
SJA	VII	04 04 55 09.4–.46	29.81S	68.40W	2–2	3.7W,3.1L			¶604404038
GUC	VII	04 04 55 12.5–.54	29.75S	73.24W	20	3.2L,3.1L			

ISC Event type ke.
SJA Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
GUC Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0.

SJA	**VII**	**04 13 15 55.9–.68**	**31.78S**	**67.30W**	**127–9**	**3.7W,3.5L**			
									¶604404041

SJA Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.

SJA	**VII**	**06 04 46 24.6–.72**	**31.42S**	**68.54W**	**107–5**	**3.5W,2.8L**			
									¶604404066

SJA Error ellipse: s-maj=4.5km s-min=5.2km az=-1.0.

ISC	**VII**	**14 21 07 38.6–1.5**	**31.51S–.03**	**69.35W–.04**	**115–10**		**38**	**0-4**	
ISCJB	VII	14 21 07 38.1–.70	31.51S–.03	69.34W–.04	119–6				¶603976818
GUC	VII	14 21 07 38.7–.52	31.52S	69.75W	136–12	3.0L			
SJA	VII	14 21 07 38.0–1.2	31.51S	69.37W	111–5	3.2W,2.8L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=19.4.
GUC Error ellipse: s-maj=1.4km s-min=12.6km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0.

SJA	**VII**	**15 08 28 11.8–.96**	**31.70S**	**68.30W**	**105–3**	**3.5W,3.0L**			
									¶604383216

SJA Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0.

SJA	**VII**	**16 00 18 27.5–.63**	**31.65S**	**68.80W**	**104–3**	**3.5W,2.8L**			

¶604383225

SJA Error ellipse: s-maj=2.1km s-min=5.3km az=-1.0.
SJA VII 16 14 45 01.3–.55 31.41S 68.58W 109–2 3.6W,3.0L

¶604383234

SJA Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0.
SJA VII 16 22 21 41.0–.43 31.84S 69.20W 108–2 3.9W,3.2L

¶604383238

SJA Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
SJA VII 18 21 00 59.4–.50 31.19S 68.71W 108–2 3.7W,2.5L

¶604383266

SJA Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0.
ISC VII 19 06 13 08.3–1.8 31.35S–.03 69.45W–.06 106–15 29 0-3
ISCJB VII 19 06 13 07.5–.93 31.34S–.03 69.43W–.05 112–9 **¶603976880**
GUC VII 19 06 13 07.4–.66 31.35S 69.78W 134–15 2.8L
SJA VII 19 06 13 07.5–.61 31.35S 69.42W 104–4 3.7W,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=178.9.
GUC Error ellipse: s-maj=1.5km s-min=16.5km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0.
SJA VII 20 01 33 36.3–.38 31.58S 69.36W 99–2 3.5W,2.7L

¶604391923

SJA Error ellipse: s-maj=1.3km s-min=2.4km az=-1.0.
SJA VII 20 19 16 20.0–.77 31.86S 68.38W 112–2 3.6W,3.5L

¶604391936

SJA Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0.
ISC VII 24 18 03 33.3–1.5 31.23S–.04 68.09W–.05 104–8 31 0-4
ISCJB VII 24 18 03 32.7–.64 31.22S–.04 68.09W–.06 108–6 **¶603976957**
GUC VII 24 18 03 32.2–.40 31.23S 68.19W 140 3.6L
SJA VII 24 18 03 32.8–.56 31.24S 68.15W 104–2 3.7W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.8km az=160.7.
GUC Error ellipse: s-maj=1.9km s-min=4.9km az=-1.0.
SJA Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
SJA VII 26 22 12 06.0–.61 31.60S 67.99W 111–3 3.7W,3.4L

¶604392045

SJA Error ellipse: s-maj=2.3km s-min=3.6km az=-1.0.
SJA VIII 01 08 42 03.2–.51 31.29S 68.76W 102–2 3.6W,2.9L

¶604392102

SJA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC VIII 02 15 01 30.4–1.2 31.86S–.03 68.88W–.03 12–9 35 0-69
IDC VIII 02 15 01 29.3–1.5 32.07S 69.20W 0 4.0,3.8L **¶601717625**
SJA VIII 02 15 01 30.9–.60 31.88S 68.90W 15–2 4.1W,3.3L
ISCJB VIII 02 15 01 31.5–.59 31.90S–.03 68.83W–.04 3–5 3.9b,3.3L
NEIC VIII 02 15 01 32.0–3.8 31.86S 68.58W 20–37 4.3b,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=34.0km s-min=29.7km az=82.0.
SJA Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=17.7.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=8.7km az=96.0. Felt [III] at San Juan.
SJA VIII 03 11 11 21.7–.92 31.45S 69.21W 108–6 4.2W,3.0L

¶604392127

SJA Error ellipse: s-maj=2.3km s-min=5.9km az=-1.0.
SJA VIII 03 20 45 10.5–.73 29.67S 68.50W 10–10 3.6W,3.5L

¶604392129

SJA Error ellipse: s-maj=4.2km s-min=7.9km az=-1.0.
ISC VIII 04 19 05 39.1–.23 31.88S–.03 69.51W–.03 118–1 5.0b 1315 0-174
MOS VIII 04 19 05 36.8–1.1 31.88S 69.38W 107 4.9b **¶601518319**
ISCJB VIII 04 19 05 37.8–.19 31.85S–.02 69.45W–.03 118–1 5.0b
SJA VIII 04 19 05 37.8–.69 31.92S 69.58W 118–4 5.1L,4.7W
BJI VIII 04 19 05 37.1 32.00S 69.20W 100 5.0b,4.7W
GUC VIII 04 19 05 38.0–.52 31.87S 69.81W 124–6 5.2L,4.7W
IDC VIII 04 19 05 39.5–.34 31.88S 69.38W 117–2 4.8,4.5
NEIC VIII 04 19 05 39.2–.11 31.93S 69.36W 119 5.2L,5.1
GCMT VIII 04 19 05 42.2–.40 31.93S–.02 69.51W–.03 118–3 4.9W,5.1
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Mendoza and San Juan. Also felt at San Rafael. Felt [III] at Illapel, Rio Hurtado, Salamanca and Santiago; [II] at Coquimbo, La Higuera, La Serena, Paiguano, Quillota, Rancagua, Valparaiso, Villa Alemana and Vina del Mar, Chile. Also felt at Colina, Puente Alto and Talca.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s58,c81;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.06±.13 $M_{\theta\theta}$-0.32±.13; $M_{\phi\phi}$1.38±.15; $M_{r\theta}$-1.08±.08; $M_{\theta\phi}$2.76±.14; $M_{\phi r}$-0.69±.10; Best double couple: NP1:ϕ_s79.00000°,δ86.00000°,λ-25.00000°. NP2:ϕ_s171.00000°,δ65.00000°,λ-175.00000°. Principal axes: T 3.7210,Plg14.0000° ,Azm128.0000°; N -1.1930,Plg65.0000°,Azm250.0000°; P -2.5280,Plg20.0000° ,Azm32.0000° $M_0$3.12500×10^{16}
SJA VIII 06 02 15 40.5–.59 31.31S 68.98W 107–4 3.6W,2.7L

¶603977136

SJA Error ellipse: s-maj=3.9km s-min=5.1km az=-1.0.
ISC VIII 10 00 31 41.8–1.9 31.24S–.04 68.95W–.07 110–14 28 0-3
ISCJB VIII 10 00 31 40.6–.94 31.25S–.03 68.92W–.06 120–8 **¶603977188**
GUC VIII 10 00 31 40.9–.48 31.20S 69.00W 114–41 3.2L
SJA VIII 10 00 31 40.4–.60 31.24S 68.94W 112–4 3.5W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=167.4.
GUC Error ellipse: s-maj=1.8km s-min=17.6km az=-1.0.
SJA Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0.
SJA VIII 11 06 15 30.2–.65 30.99S 68.38W 25–1 3.6W,2.9L

¶604392243

SJA Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0.
ISC VIII 11 08 49 32.7–1.6 31.50S–.04 69.43W–.04 114–11 35 0-4
ISCJB VIII 11 08 49 31.8–.77 31.51S–.03 69.41W–.04 121–7 **¶603977200**
GUC VIII 11 08 49 32.0–.58 31.50S 69.87W 147–11 3.5L
SJA VIII 11 08 49 32.0–.71 31.53S 69.40W 113–3 3.7W,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=18.7.
GUC Error ellipse: s-maj=1.4km s-min=13.7km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
ISC VIII 13 14 42 01.2–1.6 31.06S–.03 69.82W–.05 130–12 36 1-4
ISCJB VIII 13 14 42 00.9–.70 31.07S–.03 69.82W–.05 131–7 **¶603977229**
GUC VIII 13 14 42 00.7–.65 31.08S 70.21W 145–8 3.5L
SJA VIII 13 14 42 02.0–.90 31.08S 69.73W 117–5 3.5W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=175.1.
GUC Error ellipse: s-maj=1.5km s-min=14.8km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=7.4km az=-1.0.
ISC VIII 13 17 56 01.9–1.4 31.40S–.04 68.65W–.05 112–9 27 0-3
SJA VIII 13 17 56 00.8–.66 31.43S 68.61W 114–2 3.3W,3.3L **¶603977233**
ISCJB VIII 13 17 56 01.1–.79 31.40S–.04 68.62W–.05 117–7 3.3W,3.3L
GUC VIII 13 17 56 01.2–.51 31.38S 68.75W 100 3.1L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.5km az=164.8.
GUC Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
SJA VIII 14 13 57 23.0–.91 31.39S 68.59W 104–3 3.5W,3.1L

¶604392292

SJA Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0.
ISC VIII 18 14 26 42.6–.55 29.11S–.04 68.08W–.04 117–4 3.8b 65 0-151
ISCJB VIII 18 14 26 41.4–.33 29.11S–.03 68.07W–.04 124–4 3.9b **¶601766065**
SJA VIII 18 14 26 41.3–.55 29.13S 68.04W 123–2 4.0L,3.8W
IDC VIII 18 14 26 43.0–.62 29.32S 68.21W 116–4 3.6,3.5
GUC VIII 18 14 26 42.9–.73 29.09S 68.20W 146–46 4.4L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=177.3.
SJA Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=16.3km az=95.0.
GUC Error ellipse: s-maj=3.2km s-min=25.7km az=-1.0.
SJA VIII 21 19 43 08.7–.65 31.39S 68.65W 107–4 3.5W,2.9L

¶604392373

SJA Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.

ISC VIII 22 08 19 47.8–.83 31.72S–.04 69.12W–.05 111–7 38 0-83
IDC VIII 22 08 19 39.4–1.7 31.44S 70.42W 0 3.9,3.6 **¶601766290**
ISCJB VIII 22 08 19 47.1–.49 31.72S–.03 69.11W–.05 117–4 3.3b,3.6
SJA VIII 22 08 19 47.5–.83 31.74S 69.08W 107–4 3.8W,3.8L
GUC VIII 22 08 19 48.1–.67 31.71S 69.40W 126–22 3.7L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=34.6km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=5.1.
SJA Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=14.7km az=-1.0.
ISC VIII 25 13 24 26.7–.55 31.60S–.03 69.55W–.05 116–4 4.0b 57 0-163
ISCJB VIII 25 13 24 25.9–.33 31.61S–.03 69.57W–.05 120–3 3.9b **¶601766443**
GUC VIII 25 13 24 25.5–.47 31.58S 69.70W 124–10 4.1L
SJA VIII 25 13 24 26.4–.79 31.62S 69.52W 110–4 4.2L,4.1W
IDC VIII 25 13 24 27.4–.66 31.61S 69.48W 118–5 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=9.3.
GUC Error ellipse: s-maj=1.1km s-min=7.2km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=15.5km az=78.0.
ISC VIII 25 20 26 43.0–1.4 31.41S–.04 68.63W–.05 102–8 34 0-4
SJA VIII 25 20 26 41.7–.77 31.43S 68.64W 105–2 3.8W,3.4L **¶603977400**
ISCJB VIII 25 20 26 42.1–.63 31.40S–.03 68.63W–.05 108–6 3.8W,3.4L
GUC VIII 25 20 26 42.0–.46 31.44S 69.22W 187–11 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=11.7.
GUC Error ellipse: s-maj=1.4km s-min=12.8km az=-1.0.
ISC VIII 27 01 08 17.9–1.6 31.04S–.03 69.94W–.05 103–16 30 1-5
GUC VIII 27 01 08 16.8–.63 31.06S 70.36W 122–8 3.5L **¶603977420**
ISCJB VIII 27 01 08 17.2–.86 31.04S–.03 69.92W–.05 110–11 3.5L
SJA VIII 27 01 08 17.3–.70 31.03S 69.91W 98–6 3.6W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=14.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=6.7.
SJA Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0.
ISC VIII 27 01 29 44.4–.48 31.32S–.04 67.72W–.04 112–4 4.0b 87 1-152
ISCJB VIII 27 01 29 43.5–.32 31.31S–.03 67.71W–.04 119–3 3.9b **¶601734398**
SJA VIII 27 01 29 44.5–.58 31.39S 67.75W 105–3 4.1W,4.1L
IDC VIII 27 01 29 44.8–.51 31.44S 67.65W 113–4 4.1,3.8
GUC VIII 27 01 29 45.2–.49 31.32S 67.86W 123–72 4.1L,3.8
NEIC VIII 27 01 29 45.0–.00 31.39S 67.75W 105 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.4km az=170.1.
SJA Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=20.5km s-min=13.2km az=100.0.
GUC Error ellipse: s-maj=1.9km s-min=12.6km az=-1.0.
NEIC Event type se. After SJA.
SJA VIII 28 21 41 16.8–.76 31.75S 69.53W 107–3 3.6W,2.3L

¶604392481

SJA Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
ISC VIII 31 05 33 56.2–1.7 31.53S–.04 69.54W–.04 111–15 25 1-3
ISCJB VIII 31 05 33 55.6–.91 31.52S–.03 69.53W–.04 114–10 **¶603977467**
GUC VIII 31 05 33 55.0–.69 31.52S 69.86W 163–15 3.5L
SJA VIII 31 05 33 55.1–.79 31.58S 69.52W 112–5 3.4W,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.7km az=43.3.
GUC Error ellipse: s-maj=3.1km s-min=21.2km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0.
ISC IX 01 10 23 44.1–1.7 31.76S–.04 69.07W–.06 105–11 26 0-2
GUC IX 01 10 23 42.1–.33 31.72S 69.27W 14–22 2.8L **¶604392544**
ISCJB IX 01 10 23 43.5–.95 31.76S–.04 69.05W–.06 109–8 2.8L
SJA IX 01 10 23 43.3–.73 31.75S 69.06W 103–3 3.5W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=20.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.9km az=22.2.
SJA Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.
ISC IX 02 11 23 02.7–.95 31.67S–.02 68.82W–.02 8–7 3.5b 71 0-124
SJA IX 02 11 23 02.1–1.1 31.70S 68.82W 5–2 3.7W,3.6L **¶601862781**
GUC IX 02 11 23 05.2–.52 31.68S 68.99W 3–6 3.7L,3.6L
IDC IX 02 11 23 08.0–3.1 31.83S 68.73W 48–30 3.7,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=8.9km az=-1.0.
IDC Error ellipse: s-maj=45.9km s-min=19.5km az=82.0.
ISC IX 06 16 41 42.0–1.0 31.73S–.04 69.1W–.10 109–13 21 2-153
IDC IX 06 16 41 41.3–9.4 32.48S 68.51W 98–72 4.1L,3.8 **¶601863056**
GUC IX 06 16 41 43.3–.61 31.76S 69.47W 132–18 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=185.0km s-min=56.6km az=136.0.
GUC Error ellipse: s-maj=2.6km s-min=14.2km az=-1.0.
ISC IX 07 03 22 57.9–1.6 31.45S–.04 69.36W–.04 110–12 28 0-3
ISCJB IX 07 03 22 56.9–.90 31.46S–.03 69.35W–.04 116–9 **¶604392619**
GUC IX 07 03 22 57.2–.57 31.44S 69.40W 95–24 3.0L
SJA IX 07 03 22 57.0–.80 31.53S 69.26W 114–4 3.1L,2.8W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=38.1.
GUC Error ellipse: s-maj=2.2km s-min=13.4km az=-1.0.
SJA Error ellipse: s-maj=2.7km s-min=4.5km az=-1.0.
ISC IX 08 21 52 50.7–.73 29.96S–.04 68.63W–.05 114–7 41 0-152
IDC IX 08 21 52 49.1–3.1 30.11S 68.66W 99–25 3.9,3.7 **¶601863192**
ISCJB IX 08 21 52 50.2–.41 29.97S–.03 68.64W–.05 119–6 3.8b,3.7
GUC IX 08 21 52 50.3–.82 29.95S 68.94W 164–27 3.8L,3.7
SJA IX 08 21 52 50.0–.53 29.97S 68.60W 116–4 3.6W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=24.9km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=165.5.
GUC Error ellipse: s-maj=3.5km s-min=20.4km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=5.6km az=-1.0.
ISC IX 11 06 35 38.4–.24 31.83S–.03 68.30W–.04 120–2 5.1b 1457 0-177
MOS IX 11 06 35 36.8–1.1 31.80S 68.25W 112 5.1b **¶601703111**
BJI IX 11 06 35 36.5 31.80S 68.30W 100 5.0b
ISCJB IX 11 06 35 37.1–.13 31.72S–.02 68.20W–.03 120 5.1b
SJA IX 11 06 35 37.6 31.88S 68.35W 124 5.2L,4.8W
IDC IX 11 06 35 38.4–.32 31.83S 68.26W 117–2 5.1,4.8
NEIC IX 11 06 35 38.0–.00 31.88S 68.35W 124 5.2,5.1L
GUC IX 11 06 35 38.1–.53 31.86S 68.40W 135–42 5.1L,5.1L
GCMT IX 11 06 35 39.0–.20 31.92S–.02 68.39W–.02 127–2 5.0W,5.1L
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at San Juan and [III] at Mendoza. Also felt at Chimbas and Rodeo. Felt [IV] at Salamanca, Chile. After SJA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c56; s81,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.56±.09 $M_{\theta\theta}$0.35±.11; $M_{\phi\phi}$3.21±.14; $M_{r\theta}$-0.29±.08; $M_{\theta\phi}$0.65±.11; $M_{\phi r}$1.43±.11; Best double couple: NP1:ϕ_s184.00000°,δ56.00000°,λ-99.00000°. NP2:ϕ_s20.00000°,δ35.00000°,λ-77.00000°. Principal axes: T 3.6040,Plg11.0000° ,Azm280.0000°; N 0.2920,Plg8.0000°,Azm189.0000°; P -3.8910,Plg77.0000°,Azm64.0000° $M_0$3.74700×10^{16}
SJA IX 11 08 45 09.0–.99 29.36S 68.31W 10–4 3.5W,3.3L

¶604392673

SJA Error ellipse: s-maj=2.5km s-min=6.4km az=-1.0.
SJA IX 12 20 49 56.9–.58 29.16S 68.52W 103–3 3.9W,2.0L

¶604392699

SJA Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0.
ISC IX 13 14 09 11.2–1.8 31.04S–.04 69.94W–.04 107–17 27 1-4
GUC IX 13 14 09 10.3–.74 31.08S 70.00W 100–13 3.0L **¶604392717**
ISCJB IX 13 14 09 11.1–.92 31.03S–.04 69.91W–.05 105–11 3.0L
SJA IX 13 14 09 11.1–.69 31.00S 69.87W 99–6 3.2W,3.0L
ISC Event type ke.
GUC Error ellipse: s-maj=2.3km s-min=12.9km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.1km az=136.5.
SJA Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0.
ISC IX 14 01 54 13.1–1.5 31.53S–.04 68.69W–.04 106–9 28 0-3
GUC IX 14 01 54 11.5–.58 31.56S 69.14W 185–14 3.4L ¶604392735
ISCJB IX 14 01 54 12.3–.78 31.53S–.04 68.67W–.04 111–7 3.4L
SJA IX 14 01 54 12.4–.79 31.57S 68.67W 104–3 3.6W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=15.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.9km az=29.4.
SJA Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.
ISC IX 14 06 36 08.4–1.6 31.28S–.04 68.64W–.06 102–10 35 0-6
ISCJB IX 14 06 36 07.5–.78 31.28S–.03 68.62W–.05 108–6 ¶604392739
GUC IX 14 06 36 07.0–.66 31.27S 68.71W 124–16 3.6L
SJA IX 14 06 36 07.8–.69 31.32S 68.59W 100–3 3.5W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.9km az=8.5.
GUC Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
SJA Error ellipse: s-maj=2.8km s-min=4.4km az=-1.0.
ISC IX 16 04 20 27.1–1.9 31.35S–.04 67.96W–.06 9–16 16 1-3
SJA IX 16 04 20 26.5–.84 31.39S 67.89W 10–4 3.2W,2.7L ¶604392767
GUC IX 16 04 20 29.9–.49 31.36S 67.95W 160–16 3.5L,2.7L
ISC Event type ke.
SJA Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=6.4km az=-1.0.
SJA IX 17 23 38 16.9–1.0 31.38S 68.41W 98–4 3.6W,3.2L
¶604392788
SJA Error ellipse: s-maj=3.2km s-min=4.9km az=-1.0.
ISC IX 18 03 53 27.6–1.0 31.79S–.02 69.26W–.03 17–7 4.8b 93 0-173
IDC IX 18 03 53 25.0–1.5 31.66S 69.30W 0 4.0,3.9b ¶601721806
GUC IX 18 03 53 29.7–.80 31.97S 69.12W 111–25 4.3L,3.9b
ISCJB IX 18 03 53 30.8–.32 31.85S–.02 69.29W–.03 10 4.6b,3.9b
SJA IX 18 03 53 30.3–.65 31.89S 69.26W 26–1 4.5W,4.0L
NEIC IX 18 03 53 30.0–.00 31.89S 69.26W 26 4.5,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=23.5km az=118.0.
GUC Error ellipse: s-maj=3.0km s-min=16.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=25.9.
SJA Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
NEIC Event type se. After SJA.
ISC IX 19 04 49 48.4–1.3 31.89S–.03 67.91W–.04 2–13 30 1-3
GUC IX 19 04 49 47.4–.50 31.98S 67.61W 23–14 3.8L ¶604392810
SJA IX 19 04 49 50.7–1.2 31.89S 68.12W 4–5 3.6W,3.5L
ISC Event type ke.
GUC Error ellipse: s-maj=3.5km s-min=15.6km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0.
SJA IX 19 16 19 35.1–.46 31.58S 69.60W 106–3 4.4W,2.2L
¶604392817
SJA Error ellipse: s-maj=3.9km s-min=8.7km az=-1.0.
ISC IX 21 00 07 58.0–1.3 30.90S–.05 67.50W–.04 12–11 21 1-4
SJA IX 21 00 07 58.3–1.0 30.96S 67.44W 20–8 3.7W,3.6L ¶604392846
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0.
SJA IX 22 01 41 32.2–.65 31.75S 69.69W 114–4 3.5W,2.8L
¶604392870
SJA Error ellipse: s-maj=2.1km s-min=6.5km az=-1.0.
ISC IX 22 17 09 54.6–1.5 31.95S–.04 69.61W–.04 104–11 32 0-3
ISCJB IX 22 17 09 53.5–.79 31.95S–.03 69.59W–.04 113–8 ¶604392878
GUC IX 22 17 09 53.6–.46 31.95S 69.93W 126–10 3.8L
SJA IX 22 17 09 53.6–.52 31.99S 69.54W 106–2 4.1W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=36.9.
GUC Error ellipse: s-maj=1.7km s-min=8.9km az=-1.0.
SJA Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0.
SJA IX 22 21 52 00.2–.76 31.87S 67.99W 11–5 3.5W,2.5L
¶604392881
SJA Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.
ISC IX 24 21 45 03.9–.72 31.79S–.04 69.05W–.05 112–6 3.9b 44 0-153
ISCJB IX 24 21 45 03.4–.35 31.81S–.03 69.03W–.05 117–3 3.9b ¶601864119
SJA IX 24 21 45 03.8–.48 31.80S 69.04W 103–3 4.2L,3.8W
GUC IX 24 21 45 04.1–.71 31.75S 69.46W 12–8 3.6L,3.8W
IDC IX 24 21 45 04.2–3.1 31.86S 68.99W 114–26 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=23.5.
SJA Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=26.3km s-min=20.3km az=93.0.
ISC IX 25 23 18 38.4–1.5 31.76S–.04 69.71W–.04 119–11 40 0-4
ISCJB IX 25 23 18 37.9–.60 31.76S–.03 69.71W–.04 122–6 ¶604392938
SJA IX 25 23 18 37.8–.74 31.75S 69.73W 113–3 3.3W,2.9L
GUC IX 25 23 18 38.0–.56 31.75S 69.81W 115–14 3.0L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=7.4.
SJA Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=14.3km az=-1.0.
SJA IX 26 05 03 40.0–.78 31.23S 68.96W 103–4 3.5W,2.3L
¶604392942
SJA Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0.
ISC IX 28 03 11 51.5–.46 31.43S–.04 68.02W–.04 111–4 4.1b 102 0-153
ISCJB IX 28 03 11 50.7–.28 31.44S–.02 68.02W–.04 115–2 4.1b ¶601757210
NEIC IX 28 03 11 50.3–.43 31.43S 67.92W 96–4 4.3,4.1b
SJA IX 28 03 11 51.4–.64 31.44S 68.03W 103–3 4.3W,4.3L
IDC IX 28 03 11 51.9–.49 31.40S 67.93W 109–4 4.2,4.0
GUC IX 28 03 11 52.2–.61 31.47S 68.27W 145–31 4.5L,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=13.7.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.7km az=91.0. Felt [III] at San Juan.
SJA Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=12.1km az=94.0.
GUC Error ellipse: s-maj=2.7km s-min=14.7km az=-1.0.
ISC IX 28 12 50 39.9–1.4 31.19S–.04 68.10W–.05 105–10 37 0-5
ISCJB IX 28 12 50 39.0–.57 31.19S–.04 68.10W–.06 113–8 ¶604392998
SJA IX 28 12 50 38.8–1.0 31.21S 68.13W 107–5 3.8W,3.5L
GUC IX 28 12 50 39.4–.60 31.14S 68.25W 117–51 3.6L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.6km az=31.2.
SJA Error ellipse: s-maj=2.8km s-min=4.3km az=-1.0.
GUC Error ellipse: s-maj=8.5km s-min=19.6km az=-1.0.
ISC IX 30 21 09 20.0–1.5 31.15S–.03 68.00W–.03 1–16 33 0-4
SJA IX 30 21 09 20.6–1.1 31.17S 67.98W 11–6 3.5W,3.1L ¶604393048
ISC Event type ke.
SJA Error ellipse: s-maj=2.3km s-min=3.4km az=-1.0.
ISC X 03 05 04 14.0–1.5 31.52S–.04 68.82W–.05 105–9 32 0-4
ISCJB X 03 05 04 13.0–.76 31.53S–.03 68.79W–.05 112–6 ¶604738035
GUC X 03 05 04 12.4–.59 31.53S 69.25W 175–13 3.4L
SJA X 03 05 04 12.8–.75 31.57S 68.81W 107–3 4.1W,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=28.5.
GUC Error ellipse: s-maj=2.1km s-min=13.6km az=-1.0.
SJA Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0.
SJA X 04 16 48 16.8–.80 31.90S 68.24W 110–4 3.7W,2.2L
¶604738061
SJA Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0.
SJA X 05 07 27 15.7–.41 31.48S 69.47W 100–3 3.6W,2.1L
¶604738070
SJA Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
ISC X 08 03 51 39.8–1.5 31.88S–.03 69.56W–.04 111–10 43 0-3
ISCJB X 08 03 51 38.8–.70 31.88S–.03 69.55W–.04 119–6 ¶604738124
GUC X 08 03 51 38.5–.51 31.86S 69.80W 137–9 3.0L
SJA X 08 03 51 38.3–.50 31.88S 69.59W 112–2 3.1W,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=26.8.
GUC Error ellipse: s-maj=1.8km s-min=13.9km az=-1.0.
SJA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
SJA X 08 18 40 54.4–.75 31.45S 69.41W 115–4 3.6W,2.9L
¶604738136
SJA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
SJA X 08 20 18 21.1–.47 31.24S 69.21W 110–4 4.2W,2.9L
¶604738137
SJA Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0.
SJA X 08 21 29 46.7–.62 31.89S 68.28W 110–3 4.4W,3.1L
¶604738139
SJA Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
ISC X 09 06 08 24.1–1.6 31.50S–.04 68.61W–.06 103–11 31 0-3
ISCJB X 09 06 08 22.4–.98 31.51S–.03 68.58W–.06 116–8 ¶604738150
GUC X 09 06 08 22.3–.70 31.39S 69.21W 7–14 2.9L
SJA X 09 06 08 22.0–.61 31.51S 68.63W 111–3 4.1W,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=15.6.
GUC Error ellipse: s-maj=15.8km s-min=12.8km az=-1.0.
SJA Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
ISC X 11 14 56 41.4–1.0 30.93S–.03 68.60W–.04 12–8 37 0-5
SJA X 11 14 56 40.8–1.1 30.92S 68.63W 10–7 4.2W,3.6L ¶604738242
GUC X 11 14 56 42.0–.62 30.92S 68.61W 10–5 3.9L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=4.5km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=5.5km az=-1.0.
ISC X 14 06 47 51.2–1.4 31.33S–.03 68.63W–.04 108–12 31 0-4
ISCJB X 14 06 47 49.9–.81 31.32S–.03 68.64W–.04 122–10 ¶604738295
SJA X 14 06 47 49.4–.56 31.36S 68.63W 114–5 3.5W,3.1L
GUC X 14 06 47 51.0–.72 31.29S 68.76W 118–16 3.3L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=16.3.
SJA Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=4.6km az=-1.0.
ISC X 18 10 53 12.3–1.3 30.89S–.03 67.54W–.04 28–16 24 1-3
GUC X 18 10 53 10.2–.56 30.80S 67.30W 188–12 3.5L ¶604738384
SJA X 18 10 53 10.4–.68 30.89S 67.49W 17–2 3.7W,2.7L
ISC Event type ke.
GUC Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0.
SJA Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
ISC X 19 01 08 44.9–1.6 31.46S–.03 69.49W–.05 112–12 32 0-3
GUC X 19 01 08 43.3–.66 31.45S 69.68W 140–14 3.0L ¶604738398
ISCJB X 19 01 08 44.1–.92 31.46S–.03 69.48W–.05 119–9 3.0L
SJA X 19 01 08 44.5–.72 31.46S 69.45W 107–4 3.3W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=1.8km s-min=15.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=164.2.
SJA Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0.
ISC X 20 02 34 09.0–1.7 31.52S–.03 69.55W–.05 112–13 32 0-3
ISCJB X 20 02 34 08.3–.81 31.52S–.03 69.56W–.05 117–8 ¶604738429
GUC X 20 02 34 08.1–1.1 31.58S 70.00W 155–20 3.2L
SJA X 20 02 34 08.7–.57 31.54S 69.49W 104–3 3.5W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=172.6.
GUC Error ellipse: s-maj=5.3km s-min=29.6km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=6.1km az=-1.0.
ISC X 20 05 43 43.9–2.1 31.97S–.04 68.10W–.09 1–17 25 0-3
GUC X 20 05 43 43.1–.64 31.98S 67.89W 18–14 3.7L ¶604738431
SJA X 20 05 43 45.2–.76 31.99S 68.18W 16–5 3.5W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=2.3km s-min=15.3km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=7.4km az=-1.0.
SJA X 20 20 12 54.6–.93 31.84S 67.82W 15–4 3.6W,2.2L
¶604738443
SJA Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
ISC X 22 17 45 28.4–1.7 31.56S–.03 69.44W–.05 119–12 39 0-3
ISCJB X 22 17 45 27.6–.74 31.56S–.03 69.43W–.05 126–6 ¶604738479
GUC X 22 17 45 27.7–.42 31.55S 69.49W 139–18 3.1L
SJA X 22 17 45 27.2–.50 31.56S 69.47W 120–2 3.3W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=12.9.
GUC Error ellipse: s-maj=1.9km s-min=16.5km az=-1.0.
SJA Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0.
ISC X 25 19 44 21.1–1.1 31.74S–.03 67.81W–.03 16–10 41 1-3
SJA X 25 19 44 20.4–.59 31.83S 67.80W 10 3.4W,3.2L ¶604738555
GUC X 25 19 44 21.2–1.3 31.80S 68.41W 276–45 3.7L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
GUC Error ellipse: s-maj=9.2km s-min=53.2km az=-1.0.
ISC X 27 22 02 32.0–1.5 31.77S–.03 69.51W–.04 119–10 45 0-5
ISCJB X 27 22 02 31.4–.62 31.77S–.03 69.51W–.04 123–5 ¶604738599
SJA X 27 22 02 31.0–.33 31.78S 69.53W 117–1 3.4W,3.3L
GUC X 27 22 02 32.1–.54 31.77S 69.77W 127–13 3.4L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=19.9.
SJA Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=10.2km az=-1.0.
ISC XI 01 23 43 39.7–.53 31.79S–.05 67.25W–.04 128–4 4.3b 100 0-171
ISCJB XI 01 23 43 38.9–.28 31.82S–.03 67.23W–.04 135–3 4.3b ¶601867838
NEIC XI 01 23 43 38.3–.59 31.79S 67.12W 109–8 4.4L,4.3b
SJA XI 01 23 43 39.3–.78 31.83S 67.30W 133–4 4.4L,4.1W
GUC XI 01 23 43 39.7–.64 31.78S 67.18W 85–157 4.4L,4.1W
IDC XI 01 23 43 40.3–.88 31.79S 67.02W 128–6 4.3,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=27.3.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=95.0.
SJA Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=23.5km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=14.8km az=114.0.
SJA XI 02 06 07 40.1–1.3 31.52S 67.81W 20–4 3.6W,2.8L
¶604738719
SJA Error ellipse: s-maj=2.4km s-min=4.1km az=-1.0.
SJA XI 04 16 19 56.0–.81 31.54S 69.47W 107–5 3.5W,3.1L
¶604738775
SJA Error ellipse: s-maj=2.5km s-min=4.8km az=-1.0.
ISC XI 08 11 03 29.8–.79 31.31S–.04 68.89W–.05 106–6 48 0-153
IDC XI 08 11 03 28.7–2.9 31.37S 68.75W 88–27 4.0,3.8 ¶602389029
ISCJB XI 08 11 03 30.3–.51 31.34S–.02 68.89W–.05 111–5 3.7b,3.8
GUC XI 08 11 03 30.2–.84 31.30S 69.01W 116–20 3.8L,3.8
SJA XI 08 11 03 30.6–.63 31.36S 68.97W 99–2 3.9W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=26.7km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=5.1.
GUC Error ellipse: s-maj=1.7km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.
ISC XI 08 23 57 58.4–.49 31.83S–.03 69.20W–.03 118–4 4.6b 152 0-163
ISCJB XI 08 23 57 57.4–.19 31.87S–.02 69.17W–.03 124–1 4.6b ¶601882832
GUC XI 08 23 57 57.9–.56 31.93S 69.61W 161–11 4.1L
NEIC XI 08 23 57 57.3–.37 31.88S 69.07W 107–3 4.6b,4.3
IDC XI 08 23 57 58.7–.64 31.81S 69.02W 119–4 4.3,4.0
SJA XI 08 23 57 58.4–.96 31.88S 69.16W 109–4 4.3W,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=14.6.
GUC Error ellipse: s-maj=3.1km s-min=13.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=3.9km az=88.0. Felt [III] at Mendoza and San Juan.
IDC Error ellipse: s-maj=20.7km s-min=17.6km az=109.0.
SJA Error ellipse: s-maj=1.9km s-min=4.5km az=-1.0.
ISC XI 10 04 12 14.1–1.8 31.72S–.04 69.22W–.06 100–13 31 0-3
SJA XI 10 04 12 12.8–.53 31.73S 69.24W 100–3 3.2W,2.7L ¶604738870
ISCJB XI 10 04 12 13.1–.95 31.72S–.03 69.20W–.05 108–8 3.2W,2.7L
GUC XI 10 04 12 13.2–.49 31.72S 69.39W 123–3 2.8L,2.7L

ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=11.4.
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
ISC XI 12 04 23 36.1–1.9 31.72S–.05 69.93W–.05 111–16 26 1-3
GUC XI 12 04 23 34.9–.49 31.71S 69.94W 106–30 3.4L **¶604738917**
SJA XI 12 04 23 34.6–.53 31.74S 69.95W 111–4 3.2W,2.7L
ISCJB XI 12 04 23 35.1–1.0 31.72S–.04 69.92W–.05 120–10 3.2W,2.7L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 17 09 54 38.1–1.4 31.75S–.03 69.08W–.04 120–8 46 0-3
ISCJB XI 17 09 54 37.6–.57 31.76S–.02 69.07W–.04 123–5 **¶604739026**
SJA XI 17 09 54 37.5–.39 31.77S 69.05W 117–1 3.5W,3.5L
GUC XI 17 09 54 37.7–.70 31.75S 69.45W 157–14 3.5L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=171.9.
SJA Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=14.0km az=-1.0.
ISC XI 25 17 45 14.7–1.9 31.58S–.04 69.69W–.05 106–15 27 0-2
ISCJB XI 25 17 45 13.9–1.0 31.57S–.03 69.68W–.05 112–10 **¶604740258**
GUC XI 25 17 45 13.0–.60 31.54S 69.51W 87–39 3.3L
SJA XI 25 17 45 14.2–.62 31.59S 69.63W 101–4 3.3W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=3.5.
GUC Error ellipse: s-maj=2.7km s-min=20.4km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0.
ISC XI 26 04 24 48.4–1.5 31.17S–.03 69.09W–.05 112–10 35 1-4
ISCJB XI 26 04 24 47.9–.76 31.17S–.03 69.09W–.05 117–7 **¶604740267**
GUC XI 26 04 24 47.7–.70 31.17S 69.25W 126–3 3.1L
SJA XI 26 04 24 48.2–.34 31.19S 69.05W 106–2 3.5W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=163.8.
GUC Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0.
SJA Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0.
SJA XI 29 10 11 07.3–.45 31.30S 68.68W 111–2 3.5W,3.1L
¶604740388
SJA Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.
ISC XI 29 14 22 30.5–1.6 31.26S–.04 68.68W–.07 101–10 25 0-4
ISCJB XI 29 14 22 29.5–.90 31.25S–.03 68.66W–.06 108–7 **¶604740390**
GUC XI 29 14 22 29.7–.29 31.25S 68.93W 147–19 3.1L
SJA XI 29 14 22 29.3–.62 31.29S 68.70W 104–3 3.1W,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=12.5.
GUC Error ellipse: s-maj=1.1km s-min=13.8km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
ISC XI 30 12 45 29.3–1.4 31.36S–.03 68.68W–.04 104–7 48 0-3
SJA XI 30 12 45 27.7–1.2 31.35S 68.68W 109–4 3.6W,3.3L **¶604740399**
ISCJB XI 30 12 45 28.2–.67 31.36S–.02 68.65W–.04 113–6 3.6W,3.3L
GUC XI 30 12 45 28.4–.72 31.33S 68.67W 61–5 3.2L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=1.2.
GUC Error ellipse: s-maj=1.9km s-min=3.4km az=-1.0.
SJA XII 03 06 59 34.5–.49 31.81S 68.26W 114–3 3.8W,3.5L
¶604740467
SJA Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.
ISC XII 03 21 02 09.3–1.4 31.44S–.03 68.30W–.04 105–8 40 0-4
GUC XII 03 21 02 07.5–.58 31.17S 68.68W 128–52 3.5L **¶604740477**
SJA XII 03 21 02 07.8–.50 31.44S 68.30W 109–2 3.5W,3.5L
ISCJB XII 03 21 02 08.3–.63 31.45S–.03 68.28W–.04 113–7 3.5W,3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 03 22 28 44.5–1.5 31.50S–.03 69.44W–.04 113–10 36 0-3
GUC XII 03 22 28 42.9–.67 31.47S 69.42W 119–23 2.9L **¶604740478**
ISCJB XII 03 22 28 43.6–.71 31.49S–.03 69.43W–.04 120–7 2.9L
SJA XII 03 22 28 43.3–.63 31.50S 69.47W 113–3 3.1W,3.1L
ISC Event type ke.
GUC Error ellipse: s-maj=3.0km s-min=17.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=177.3.
SJA Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
SJA XII 05 04 55 44.0–.59 31.21S 68.36W 107–3 3.5W,2.9L
¶604740907
SJA Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
ISC XII 05 12 33 24.2–1.7 31.67S–.03 69.53W–.05 114–12 36 0-2
GUC XII 05 12 33 21.6–.56 31.66S 69.84W 159–12 2.9L **¶604740914**
ISCJB XII 05 12 33 23.0–.77 31.67S–.03 69.51W–.05 125–6 2.9L
SJA XII 05 12 33 22.9–.72 31.68S 69.50W 118–3 3.6W,3.0L
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=14.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=20.1.
SJA Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
SJA XII 05 20 43 12.1–.57 31.94S 67.36W 136–2 3.5W,3.5L
¶604740924
SJA Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
SJA XII 06 05 59 51.5–.49 31.28S 69.29W 114–4 3.5W,2.5L
¶604740933
SJA Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0.
ISC XII 07 21 31 58.4–.61 31.35S–.04 68.48W–.05 111–5 3.9b 62 0-153
ISCJB XII 07 21 31 57.7–.33 31.38S–.03 68.46W–.04 122–3 4.1b **¶602213313**
SJA XII 07 21 31 58.8–.94 31.41S 68.50W 109–3 4.1L,4.0W
IDC XII 07 21 31 58.1–2.6 31.27S 68.98W 110–23 3.8,3.6
NEIC XII 07 21 31 59.0–.00 31.41S 68.50W 109 4.1,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=1.8.
SJA Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=17.5km az=94.0.
NEIC Event type fe. Felt [III] at San Juan. After SJA.
ISC XII 08 05 43 08.1–.68 31.78S–.03 68.35W–.04 120–5 3.5b 64 0-153
SJA XII 08 05 43 05.2–.66 31.79S 68.37W 140–2 4.2W,4.2L **¶602390785**
IDC XII 08 05 43 05.6–3.0 31.92S 68.25W 95–28 3.7,3.7
GUC XII 08 05 43 06.8–.64 31.78S 68.85W 160–17 4.0L,3.7
ISCJB XII 08 05 43 07.0–.35 31.78S–.02 68.35W–.03 125–3 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 09 17 21 49.9–1.6 29.11S–.04 68.68W–.07 112–11 26 0-4
SJA XII 09 17 21 48.5–.48 29.10S 68.70W 115–2 3.6W,3.3L **¶604740992**
ISCJB XII 09 17 21 49.1–.92 29.10S–.03 68.69W–.06 118–8 3.6W,3.3L
GUC XII 09 17 21 49.2–.74 29.13S 68.72W 105–8 3.6L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.2km az=1.0.
GUC Error ellipse: s-maj=2.7km s-min=5.9km az=-1.0.
ISC XII 10 11 25 12.9–1.9 31.50S–.04 69.84W–.05 112–16 28 1-3
GUC XII 10 11 25 11.5–.66 31.50S 69.89W 117–18 3.5L **¶604741007**
ISCJB XII 10 11 25 12.2–.98 31.50S–.03 69.83W–.05 118–9 3.5L
SJA XII 10 11 25 12.8–.59 31.52S 69.76W 106–4 3.5W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=19.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=174.1.
SJA Error ellipse: s-maj=1.7km s-min=4.8km az=-1.0.
ISC XII 10 14 19 42.0–1.5 31.68S–.04 68.15W–.04 114–9 32 0-3
GUC XII 10 14 19 40.7–.63 31.72S 68.54W 208–21 3.7L **¶604741010**
ISCJB XII 10 14 19 41.4–.73 31.68S–.03 68.16W–.04 118–7 3.7L
SJA XII 10 14 19 41.4–.65 31.67S 68.13W 109–3 3.3W,3.2L
ISC Event type ke.
GUC Error ellipse: s-maj=3.6km s-min=19.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.6km az=169.4.
SJA Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
ISC XII 13 03 40 12.0–.78 31.16S–.04 68.92W–.04 110–6 44 0-124
IDC XII 13 03 39 57.3–1.4 31.84S 69.07W 0 3.8,3.6 **¶602391227**
ISCJB XII 13 03 40 12.5–.52 31.20S–.03 68.95W–.04 113–4 3.4b,3.6
SJA XII 13 03 40 12.9–.67 31.21S 69.00W 100–3 3.8W,3.6L
GUC XII 13 03 40 12.4–.76 31.20S 68.99W 101–5 4.0L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=37.7km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=3.2.
SJA Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=6.1km az=-1.0.
ISC XII 14 20 14 01.2–1.5 31.65S–.03 69.90W–.03 122–10 54 1-5
ISCJB XII 14 20 14 00.8–.60 31.64S–.02 69.89W–.03 123–6 **¶604741078**
GUC XII 14 20 14 01.1–.59 31.73S 70.47W 146–4 3.4L
SJA XII 14 20 14 01.3–1.1 31.63S 69.89W 110–5 3.3W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=22.1.
GUC Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
ISC XII 17 07 46 08.3–.93 31.68S–.02 68.35W–.02 7–7 72 0-80
SJA XII 17 07 46 07.4–.52 31.69S 68.35W 9–1 4.0W,3.4L **¶602391527**
IDC XII 17 07 46 08.2–1.5 31.63S 68.32W 0 3.8,3.6
GUC XII 17 07 46 10.2–.67 31.71S 68.19W 9–5 3.7L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
IDC Error ellipse: s-maj=36.3km s-min=25.0km az=123.0.
GUC Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
ISC XII 19 01 43 25.0–.55 31.72S–.04 68.28W–.03 110–4 3.6b 82 0-153
ISCJB XII 19 01 43 24.6–.29 31.72S–.02 68.28W–.03 116–2 3.5b **¶602391645**
GUC XII 19 01 43 25.2–.78 31.69S 68.49W 143–23 3.9L
SJA XII 19 01 43 25.2–1.2 31.74S 68.34W 105–4 4.0W,3.9L
IDC XII 19 01 43 25.3–.62 31.70S 68.15W 111–5 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=37.5.
GUC Error ellipse: s-maj=2.3km s-min=9.1km az=-1.0.
SJA Error ellipse: s-maj=2.7km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=21.5km s-min=16.7km az=108.0.
SJA XII 19 17 16 37.3–.26 29.11S 68.69W 106–1 3.8L,3.5W
¶604741149
SJA Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
ISC XII 20 03 25 20.5–.79 31.20S–.04 69.17W–.04 110–7 45 1-151
IDC XII 20 03 25 19.0–2.7 31.34S 68.96W 88–23 3.7,3.6 **¶602391703**
ISCJB XII 20 03 25 20.9–.45 31.25S–.03 69.17W–.04 115–5 3.2b,3.6
SJA XII 20 03 25 21.8–.76 31.32S 69.14W 102–4 3.5W,3.3L
GUC XII 20 03 25 21.4–.65 31.23S 69.29W 140–20 3.5L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=25.2km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=24.6.
SJA Error ellipse: s-maj=3.3km s-min=6.0km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=15.9km az=-1.0.
ISC XII 23 00 21 20.1–1.9 31.31S–.05 68.41W–.08 116–12 19 0-4
SJA XII 23 00 21 18.7–.98 31.28S 68.45W 123–12 3.5W,3.1L **¶604741209**
ISCJB XII 23 00 21 20.0–1.1 31.30S–.04 68.44W–.08 117–9 3.5W,3.1L
GUC XII 23 00 21 21.3–.42 31.23S 68.61W 35–4 3.4L,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=4.3km s-min=12.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.7km az=161.7.
GUC Error ellipse: s-maj=4.7km s-min=4.3km az=-1.0.
ISC XII 23 12 56 56.3–1.5 31.84S–.04 69.60W–.04 119–10 43 0-5
ISCJB XII 23 12 56 56.2–.61 31.83S–.03 69.59W–.04 120–6 **¶604741216**
SJA XII 23 12 56 56.7–.64 31.81S 69.68W 102–3 3.2W,2.7L
GUC XII 23 12 56 56.2–.45 31.89S 69.97W 146–3 3.3L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=44.6.
SJA Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0.
SJA XII 25 22 59 16.2–.70 31.02S 68.36W 27–1 3.6W,2.9L
¶604741272
SJA Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
SJA XII 26 14 57 49.6–.40 31.70S 69.68W 112–2 3.9W,3.1L
¶604741292
SJA Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
SJA XII 27 03 25 16.1–.78 31.26S 69.17W 109–3 3.7W,3.1L
¶604741305
SJA Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
ISC XII 27 11 37 57.0–.44 31.25S–.03 68.77W–.03 111–3 4.5b 178 0-174
ISCJB XII 27 11 37 56.3–.20 31.26S–.02 68.75W–.03 113–2 4.5b **¶602060877**
IDC XII 27 11 37 57.0–.58 31.36S 68.70W 112–4 4.3,4.1b
GUC XII 27 11 37 56.2–.68 31.26S 69.15W 167–18 4.3L,4.1b
NEIC XII 27 11 37 57.1–.21 31.36S 68.69W 112 4.5b,4.3
SJA XII 27 11 37 57.0–.57 31.29S 68.78W 102–2 4.3W,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=21.8.
IDC Error ellipse: s-maj=19.4km s-min=16.3km az=73.0.
GUC Error ellipse: s-maj=2.0km s-min=15.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.8km az=89.0. Felt [III] at San Juan.
SJA Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.
SJA XII 27 13 02 24.5–.71 31.19S 68.85W 102–10 3.8W,2.6L
¶604741319
SJA Error ellipse: s-maj=2.3km s-min=7.8km az=-1.0.
ISC XII 31 08 28 43.1–1.7 31.26S–.03 68.86W–.07 9–13 20 0-3
SJA XII 31 08 28 39.7–.50 31.23S 68.76W 107–4 2.7W,2.1L **¶604741441**
GUC XII 31 08 29 10.2–.58 33.78S 72.08W 30 2.4L,2.1L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=4.5km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.

(138) La Rioja Province.

SJA VII 28 05 20 22.8–.89 28.38S 67.48W 136–5 3.6L,3.4W
¶604392059
SJA Error ellipse: s-maj=5.0km s-min=4.1km az=-1.0.
SJA VIII 14 16 35 31.6–.83 28.96S 67.13W 138–5 2.5W,2.3L
IDC VIII 14 16 34 41.7–5.1 22.37S 67.86W 0 3.9,3.9b **¶601765839**
SJA Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=155.0km s-min=53.3km az=64.0.
SJA VIII 24 20 34 51.9–.72 30.10S 66.86W 9–6 3.7W,3.4L
¶604392428
SJA Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
ISC VIII 30 00 43 12.6–3.6 28.14S–.07 68.96W–.08 5–28 14 1-4
GUC VIII 30 00 43 14.3–.45 27.57S 71.57W 20–9 3.1L **¶604392503**
SJA VIII 30 00 43 16.4–.30 28.37S 68.88W 30 3.5W,2.6L
ISC Event type ke.
GUC Error ellipse: s-maj=5.2km s-min=4.8km az=-1.0.
SJA Error ellipse: s-maj=3.6km s-min=4.0km az=-1.0.
ISC IX 21 21 17 08.7–.65 28.42S–.04 67.67W–.04 125–5 4.0b 53 1-150
ISCJB IX 21 21 17 07.5–.35 28.43S–.03 67.68W–.04 129–5 3.8b **¶601863967**
SJA IX 21 21 17 07.5–.64 28.46S 67.65W 128–3 4.2W,4.0L
GUC IX 21 21 17 08.4–.58 28.44S 67.75W 135–4 4.3L,4.0L
IDC IX 21 21 17 10.0–.88 28.41S 67.47W 126–5 4.0,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=140.2.
SJA Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.
GUC Error ellipse: s-maj=5.8km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=20.5km az=104.0.
ISC IX 22 15 45 21.1–1.1 28.39S–.05 68.39W–.05 63–13 34 0-151
GUC IX 22 15 45 17.0–.59 28.44S 68.40W 24–3 3.6L **¶601863998**
SJA IX 22 15 45 18.6–.61 28.39S 68.48W 64–7 3.8L,3.7W
ISCJB IX 22 15 45 20.1–.60 28.38S–.05 68.33W–.05 61–16 3.5b,3.7W
IDC IX 22 15 45 26.8–9.5 29.20S 67.65W 90–73 3.7L,3.5
ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=1.4km az=-1.0.
SJA Error ellipse: s-maj=4.7km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.9km az=169.1.
IDC Error ellipse: s-maj=160.3km s-min=30.0km az=134.0.
ISC IX 23 05 30 44.1–1.8 28.16S–.06 67.34W–.05 149–14 24 1-5

GUC IX 23 05 30 43.6–.72 28.13S 67.39W 152–6 3.2L ¶604392893
ISCJB IX 23 05 30 44.3–.94 28.15S–.07 67.36W–.05 143–11 3.2L
SJA IX 23 05 30 44.0–.48 28.20S 67.31W 147–3 3.4W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=5.8km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.1km az=165.1.
SJA Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
ISC IX 24 18 32 01.4–.85 28.46S–.06 68.28W–.06 10 23 0-151
IDC IX 24 18 31 59.3–1.1 29.01S 68.22W 0 3.7,3.7b ¶601864110
SJA IX 24 18 31 59.8–.35 28.41S 68.35W 3–1 3.4L,3.2W
ISCJB IX 24 18 32 03.6–.84 28.46S–.07 68.10W–.08 10 3.6b,3.2W
ISC Event type ke.
ISCJB Event type ke.
SJA X 03 22 19 07.5–.58 28.27S 67.45W 136–3 4.9W,3.5L
¶604738046
SJA Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
SJA X 04 02 01 09.5–.73 28.37S 68.48W 2–2 3.8W,3.5L
¶604738050
SJA Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
SJA X 09 05 17 23.5–.53 28.89S 67.16W 6–3 3.6W,2.9L
¶604738149
SJA Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
SJA XI 10 05 00 09.6–.56 28.38S 67.71W 133–4 3.6W,2.6L
¶604738871
SJA Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0.
SJA XI 12 06 48 56.1–.70 28.53S 67.05W 162–4 4.0W,3.6L
¶604738921
SJA Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
ISC XII 09 00 00 38.8–1.1 28.17S–.03 68.97W–.03 16–12 35 1-4
SJA XII 09 00 00 41.4–.65 28.18S 69.00W 12 2.9W,2.7L ¶604740976
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0.

(139) Mendoza Province.

ISC VII 01 09 03 54.5–1.4 32.11S–.03 69.38W–.04 132–8 51 0-4
ISCJB VII 01 09 03 54.9–.57 32.09S–.02 69.40W–.03 126–5 ¶603976684
GUC VII 01 09 03 55.3–.49 32.06S 69.69W 136–10 3.1L
SJA VII 01 09 03 55.7–1.1 32.10S 69.43W 111–5 3.3W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=23.8.
GUC Error ellipse: s-maj=1.8km s-min=9.9km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
ISC VII 02 03 28 31.3–1.5 32.05S–.04 68.49W–.04 134–10 32 0-3
ISCJB VII 02 03 28 30.9–.78 32.04S–.04 68.49W–.04 135–8 ¶603976690
GUC VII 02 03 28 30.5–.57 31.82S 68.76W 143–47 3.6L
SJA VII 02 03 28 30.2–.80 32.07S 68.50W 138–4 4.1W,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.6km az=143.6.
GUC Error ellipse: s-maj=18.9km s-min=17.5km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=3.2km az=-1.0.
SJA VII 03 07 28 12.5–.80 32.03S 68.27W 23–3 3.8W,2.9L
¶604404029
SJA Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
ISC VII 09 12 56 38.9–.32 33.04S–.03 68.44W–.03 161–2 4.5b 576 0-174
NEIC VII 09 12 56 37.0–.32 33.06S 68.26W 142–2 4.7,4.6b ¶601252234
ISCJB VII 09 12 56 37.7–.22 33.02S–.02 68.38W–.03 162–1 4.5b,4.6b
SJA VII 09 12 56 37.6–.93 33.07S 68.44W 165–4 4.7L,4.6W
IDC VII 09 12 56 38.7–.38 33.06S 68.37W 159–3 4.8,4.4
GUC VII 09 12 56 38.6–.43 32.99S 68.48W 160–7 5.1L,4.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=73.0. Felt [III] at Mendoza and San Juan.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.7km az=24.2.
SJA Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s290.10000°,δ55.90000°,λ-40.00000°.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=88.0.
GUC Error ellipse: s-maj=1.9km s-min=5.6km az=-1.0.
ISC VII 15 08 23 24.7–.41 33.49S–.04 67.62W–.04 198–3 4.6b 713 1-173
MOS VII 15 08 23 23.0–.99 33.47S 67.47W 192 4.5b ¶601276580
GUC VII 15 08 23 23.7–.59 33.14S 67.78W 232–9 5.0L
ISCJB VII 15 08 23 23.9–.30 33.44S–.03 67.51W–.04 203–1 4.5b
SJA VII 15 08 23 24.0–.56 33.49S 67.61W 210–4 4.8W,4.4L
IDC VII 15 08 23 24.9–.45 33.40S 67.49W 199–3 4.5,4.1
NEIC VII 15 08 23 25.0–.16 33.48S 67.48W 200 4.8,4.6b
ISC Event type fe.
MOS Error ellipse: s-maj=15.8km s-min=7.1km az=105.9.
GUC Error ellipse: s-maj=9.8km s-min=5.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=6.8.
SJA Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=9.8km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.8km az=77.0. Felt at San Rafael.
ISC VII 25 03 15 36.6–1.7 32.21S–.04 69.89W–.04 105–15 31 0-3
ISCJB VII 25 03 15 36.0–.85 32.22S–.03 69.88W–.04 108–9 ¶603976972
GUC VII 25 03 15 36.0–.38 32.18S 70.00W 94–7 3.0L
SJA VII 25 03 15 36.6–.70 32.19S 69.75W 104–4 3.1W,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=23.3.
GUC Error ellipse: s-maj=1.2km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=2.3km s-min=4.8km az=-1.0.
SJA VII 28 03 13 03.1–1.0 32.67S 69.91W 119–6 3.5W,2.9L
¶604392057
SJA Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
ISC VIII 04 13 11 45.7–.93 32.81S–.03 69.16W–.03 34–3 4.2s,4.1b 68 0-173
IDC VIII 04 13 11 44.3–6.0 32.78S 69.04W 22–39 4.1,4.0 ¶601520328
GUC VIII 04 13 11 45.9–.51 32.80S 69.35W 5–8 3.8L,4.0
SJA VIII 04 13 11 45.7–.54 32.84S 69.18W 33–1 4.4L,4.3W
NEIC VIII 04 13 11 46.0–.00 32.84S 69.18W 33 4.4,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=15.9km az=94.0.
GUC Error ellipse: s-maj=5.3km s-min=10.7km az=-1.0.
SJA Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt [IV] at Mendoza. After SJA.
ISC VIII 10 16 02 42.0–2.0 34.04S–.07 68.62W–.06 0–14 25 1-4
ISCJB VIII 10 16 02 43.3–1.5 34.00S–.07 68.56W–.06 3–12 ¶603977189
GUC VIII 10 16 02 44.1–.55 35.08S 69.89W 90–12 3.3L
SJA VIII 10 16 02 45.2–.82 33.88S 68.57W 26–4 3.6W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.5km az=153.5.
GUC Error ellipse: s-maj=4.7km s-min=6.3km az=-1.0.
SJA Error ellipse: s-maj=4.7km s-min=5.9km az=-1.0.
SJA VIII 11 18 39 20.3–.45 33.11S 67.46W 40–999 2.6W,1.9L
¶604392252
SJA Error ellipse: s-maj=11.4km s-min=3.2km az=-1.0.
ISC VIII 12 02 32 25.6–1.6 33.19S–.06 68.07W–.06 14–11 23 0-4
ISCJB VIII 12 02 32 25.2–1.2 33.26S–.06 68.04W–.08 9–10 ¶604392263
SJA VIII 12 02 32 25.3–.64 33.25S 68.10W 28–3 4.2W,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.1km az=37.6.
SJA Error ellipse: s-maj=4.0km s-min=3.9km az=-1.0.
SJA VIII 12 03 15 23.9–.95 33.62S 68.39W 21–4 3.8W,3.5L
¶604392264
SJA Error ellipse: s-maj=6.0km s-min=7.1km az=-1.0.
ISC VIII 17 13 08 12.5–2.3 32.67S–.07 69.92W–.05 136–16 27 1-4
ISCJB VIII 17 13 08 13.7–1.0 32.61S–.05 69.91W–.04 125–9 ¶603977266
GUC VIII 17 13 08 13.9–.28 32.64S 69.92W 127–4 3.2L
SJA VIII 17 13 08 13.7–.64 32.61S 69.95W 119–6 3.3W,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.6km az=156.9.
GUC Error ellipse: s-maj=1.9km s-min=4.4km az=-1.0.
SJA Error ellipse: s-maj=3.7km s-min=2.6km az=-1.0.
ISC VIII 22 16 33 10.7–.95 35.48S–.09 69.8W–.20 200 3.3b 16 4-147
SJA VIII 22 16 33 03.8–.63 35.80S 70.02W 210–34 3.6L,3.2W ¶601766314
ISCJB VIII 22 16 33 09.2–.92 35.50S–.07 69.7W–.20 200 3.3b,3.2W
IDC VIII 22 16 33 10.0–2.5 35.95S 70.34W 191–24 3.6,3.4
ISC Event type ke.
SJA Error ellipse: s-maj=16.3km s-min=17.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=25.9km s-min=9.7km az=4.3.
IDC Error ellipse: s-maj=40.9km s-min=17.7km az=72.0.
ISC VIII 29 19 03 06.1–1.3 32.96S–.04 68.20W–.04 9–10 32 1-152
IDC VIII 29 19 03 03.5–1.7 33.02S 68.43W 0 3.8,3.6 ¶601755574
SJA VIII 29 19 03 06.9–.94 32.89S 68.21W 15–7 3.9W,3.7L
GUC VIII 29 19 03 06.4–.58 32.93S 68.03W 19–12 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=31.5km az=140.0.
SJA Error ellipse: s-maj=2.8km s-min=3.7km az=-1.0.
GUC Error ellipse: s-maj=6.5km s-min=13.1km az=-1.0.
ISC IX 04 05 30 18.2–.36 32.68S–.03 69.94W–.03 126–2 4.4b 511 1-174
SJA IX 04 05 30 15.8–.71 32.71S 70.04W 124–4 4.4L,4.3W ¶601673754
ISCJB IX 04 05 30 16.8–.17 32.67S–.02 69.87W–.03 124–1 4.4b,4.3W
NEIC IX 04 05 30 17.0–.00 32.52S 69.92W 112 4.5b,4.4
GUC IX 04 05 30 17.5–.56 32.56S 69.86W 110–8 4.8L,4.4
IDC IX 04 05 30 18.3–.48 32.65S 69.58W 126–4 4.2,3.9b
ISC Event type fe.
SJA Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.4km az=31.5.
NEIC Event type fe. Felt [III] in parts of Mendoza. Also felt [III] at Quilpue, Salamanca, Santiago, Valparaiso and Villa Alemana; [II] at Quillota, Tiltil and Vina del Mar, Chile. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=10.5km az=84.0.
ISC IX 12 09 20 57.5–.36 32.63S–.03 68.80W–.03 138–3 4.6b 604 0-173
ISCJB IX 12 09 20 56.1–.23 32.55S–.03 68.71W–.03 134–1 4.5b ¶601709222
SJA IX 12 09 20 57.6–.96 32.64S 68.79W 127–6 4.7L,4.5W
NEIC IX 12 09 20 58.1–.15 32.61S 68.69W 139 4.7,4.6b
IDC IX 12 09 20 58.3–.39 32.58S 68.66W 139–3 4.4,4.1
GUC IX 12 09 20 59.7–.53 32.59S 69.25W 152–14 4.5L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.2km az=16.3.
SJA Error ellipse: s-maj=3.6km s-min=4.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=78.0. Felt [IV] at Mendoza.
IDC Error ellipse: s-maj=16.6km s-min=11.7km az=76.0.
GUC Error ellipse: s-maj=4.2km s-min=15.8km az=-1.0.
ISC IX 19 05 14 05.4–1.5 32.13S–.05 68.47W–.05 109–12 29 1-3
GUC IX 19 05 14 03.2–.65 32.04S 68.68W 159–36 3.2L ¶604392811
ISCJB IX 19 05 14 05.4–.76 32.14S–.04 68.50W–.05 109–8 3.2L
SJA IX 19 05 14 05.8–.94 32.09S 68.52W 94–7 3.6W,3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=11.6km s-min=26.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=138.2.
SJA Error ellipse: s-maj=3.4km s-min=4.1km az=-1.0.
ISC IX 21 05 13 03.6–1.7 32.01S–.04 69.91W–.04 112–14 35 0-3
ISCJB IX 21 05 13 02.6–.86 32.00S–.03 69.91W–.04 119–8 ¶604392851
GUC IX 21 05 13 02.3–1.6 32.02S 70.04W 120–24 3.2L
SJA IX 21 05 13 02.6–.77 32.00S 69.92W 109–4 3.6W,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.0km az=12.4.
GUC Error ellipse: s-maj=6.1km s-min=28.0km az=-1.0.
SJA Error ellipse: s-maj=2.4km s-min=3.0km az=-1.0.
SJA IX 23 23 56 10.2–.53 32.67S 68.81W 126–4 3.9W,2.4L
¶604392906
SJA Error ellipse: s-maj=4.0km s-min=6.4km az=-1.0.
ISC IX 24 02 08 01.3–1.8 32.18S–.04 69.88W–.04 99–16 35 0-5
SJA IX 24 02 07 59.8–.73 32.16S 69.91W 98–5 3.8W,3.7L ¶604392908
ISCJB IX 24 02 08 00.2–.91 32.18S–.03 69.87W–.04 108–9 3.8W,3.7L
GUC IX 24 02 08 00.2–.55 32.23S 70.03W 113–9 3.6L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=38.0.
GUC Error ellipse: s-maj=2.3km s-min=9.1km az=-1.0.
ISC IX 25 01 51 27.5–1.4 32.31S–.03 68.95W–.04 10–12 22 0-3
SJA IX 25 01 51 27.7–.73 32.37S 68.97W 31–2 3.4W,2.6L ¶604392919
GUC IX 25 01 51 28.4–.75 32.36S 69.02W 15–11 3.1L,2.6L
ISCJB IX 25 01 51 29.4–.72 32.35S–.04 68.96W–.06 11–6 3.1L,2.6L
ISC Event type ke.
ISCJB Event type ke.
SJA IX 27 03 13 35.7–.91 34.19S 67.01W 70–10 3.6W,3.2L
¶604392966
SJA Error ellipse: s-maj=4.8km s-min=5.3km az=-1.0.
SJA X 02 11 10 04.7–.68 32.53S 68.06W 34–2 3.6W,3.1L
¶604738018
SJA Error ellipse: s-maj=3.2km s-min=2.1km az=-1.0.
ISC X 07 07 14 52.3–1.6 32.78S–.04 69.99W–.04 115–11 38 1-4
ISCJB X 07 07 14 51.6–.72 32.78S–.04 69.99W–.04 120–6 ¶604738110
GUC X 07 07 14 51.9–.70 32.73S 69.97W 105–9 3.3L
SJA X 07 07 14 51.3–.38 32.77S 69.96W 116–2 4.0W,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=44.6.
GUC Error ellipse: s-maj=3.3km s-min=10.8km az=-1.0.
SJA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 08 08 32 33.6–1.5 34.34S–.05 68.87W–.04 16–12 33 1-4
SJA X 08 08 32 29.1–.74 34.59S 69.33W 62–5 3.6W,3.6L ¶604738127
GUC X 08 08 32 35.5–.34 34.26S 68.93W 14–8 2.8L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
GUC Error ellipse: s-maj=10.0km s-min=4.0km az=-1.0.
ISC X 19 18 25 56.9–2.4 32.45S–.06 69.82W–.05 122–19 26 0-2
ISCJB X 19 18 25 56.8–1.0 32.43S–.04 69.83W–.04 122–8 ¶604738416
GUC X 19 18 25 56.2–.45 32.49S 69.98W 131–7 2.7L
SJA X 19 18 25 56.4–.76 32.41S 69.85W 116–5 3.2W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.7km az=149.3.
GUC Error ellipse: s-maj=2.7km s-min=7.7km az=-1.0.
SJA Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
ISC X 24 22 27 19.2–.56 32.03S–.04 68.23W–.03 120–4 3.6b 70 0-153
ISCJB X 24 22 27 18.7–.31 32.06S–.03 68.22W–.03 125–3 3.3b ¶601846981
GUC X 24 22 27 18.6–.39 31.96S 68.33W 33–9 3.7L
SJA X 24 22 27 19.1–.57 32.07S 68.23W 113–2 4.0L,3.9W
IDC X 24 22 27 19.4–.70 32.08S 68.25W 121–5 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=138.3.
GUC Error ellipse: s-maj=1.3km s-min=8.1km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=30.0km s-min=19.1km az=107.0.
ISC XI 03 08 03 10.0–.94 33.34S–.04 68.97W–.04 18–4 3.6b 40 0-152
IDC XI 03 08 03 07.1–.94 33.34S 68.88W 0 3.7b,3.7 ¶601870058
ISCJB XI 03 08 03 09.7–.94 33.49S–.04 68.78W–.04 16–7 3.6b,2.9s
SJA XI 03 08 03 09.4–1.0 33.41S 68.97W 7–9 3.9W,3.9L
GUC XI 03 08 03 11.9–.48 33.30S 68.99W 15–4 3.4L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=25.2km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=148.4.
SJA Error ellipse: s-maj=7.8km s-min=10.9km az=-1.0.
GUC Error ellipse: s-maj=4.5km s-min=3.4km az=-1.0.
ISC XI 09 06 31 45.1–.67 33.41S–.05 67.57W–.05 196–6 4.0b 98 1-123
ISCJB XI 09 06 31 44.8–.35 33.40S–.03 67.62W–.05 205–3 3.9b ¶601882379
SJA XI 09 06 31 44.7–.54 33.33S 67.64W 216–6 4.2W,4.0L
IDC XI 09 06 31 44.2–2.2 33.44S 67.65W 179–21 4.0,3.6
NEIC XI 09 06 31 44.4–.45 33.43S 67.48W 187–4 4.1b,3.6
GUC XI 09 06 31 45.0–.78 33.35S 67.36W 165–54 4.7L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=0.4.
SJA Error ellipse: s-maj=4.3km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=12.5km az=84.0.

NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=87.0.
GUC Error ellipse: s-maj=8.2km s-min=26.2km az=-1.0.
SJA XI 11 01 15 18.6–.70 32.08S 67.36W 126–5 3.8W,3.7L
¶607283519
SJA Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0.
ISC XI 13 20 07 24.2–1.7 32.55S–.05 68.89W–.05 131–9 33 0-4
ISCJB XI 13 20 07 23.8–.77 32.54S–.04 68.90W–.05 133–6 **¶604738952**
SJA XI 13 20 07 23.9–.47 32.56S 68.92W 126–2 3.5W,3.2L
GUC XI 13 20 07 24.5–.65 32.51S 69.24W 154–15 2.8L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.9km az=44.0.
SJA Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.
GUC Error ellipse: s-maj=3.9km s-min=13.9km az=-1.0.
SJA XI 17 03 34 57.5–.50 33.37S 67.48W 212–3 3.5L,3.2W
¶604739024
SJA Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0.
ISC XI 24 16 52 23.5–3.0 32.38S–.06 69.91W–.05 108–30 21 1-4
ISCJB XI 24 16 52 22.6–1.4 32.39S–.04 69.91W–.05 115–14 **¶604740243**
SJA XI 24 16 52 22.1–.29 32.35S 69.99W 99–8 3.2W,2.7L
GUC XI 24 16 52 23.2–.48 32.37S 69.81W 108–13 3.0L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.1km az=35.7.
SJA Error ellipse: s-maj=1.4km s-min=5.7km az=-1.0.
GUC Error ellipse: s-maj=3.7km s-min=13.2km az=-1.0.
SJA XI 27 02 10 18.1–.61 33.79S 68.31W 29–2 3.6W,3.2L
¶604740328
SJA Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
ISC XI 29 00 09 39.7–.69 32.89S–.02 69.08W–.02 10–4 5.0b 292 0-165
SJA XI 29 00 09 38.8–1.2 32.91S 69.11W 8–4 4.6W,4.3L **¶601995141**
IDC XI 29 00 09 38.1–.56 32.81S 68.80W 0 4.5,4.4
NEIC XI 29 00 09 39.0–.00 32.91S 69.11W 8 5.0b,4.6
ISCJB XI 29 00 09 41.0–.37 32.86S–.03 68.97W–.04 33–3 4.8b,3.9s
GUC XI 29 00 09 40.8–.77 32.88S 69.12W 15–12 4.4L,3.9s
ISC Event type fe.
SJA Error ellipse: s-maj=3.0km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=13.0km az=87.0.
NEIC Event type fe. Felt [IV] at Mendoza and in the epicentral area. Also felt at San Martin. After SJA.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=32.0.
GUC Error ellipse: s-maj=3.5km s-min=8.0km az=-1.0.
ISC XI 29 00 15 28.0–.98 32.90S–.03 69.10W–.03 8–11 26 0-2
SJA XI 29 00 15 27.5–.69 32.87S 69.10W 8–2 3.6W,3.0L **¶604740378**
GUC XI 29 00 15 30.2–.35 32.95S 69.19W 11–4 3.1L,3.0L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
ISC XI 29 00 49 01.8–.89 32.91S–.03 69.06W–.03 11–6 3.9b 46 0-154
IDC XI 29 00 49 00.2–1.1 32.91S 69.07W 0 4.1b,4.0 **¶602083455**
ISCJB XI 29 00 49 01.9–.44 32.93S–.03 68.97W–.04 18–4 4.2s,4.0b
SJA XI 29 00 49 01.2–.63 32.87S 69.09W 9–2 4.1W,3.9L
NEIC XI 29 00 49 01.0–.00 32.87S 69.09W 9 4.1,3.8L
GUC XI 29 00 49 03.0–.72 32.90S 69.10W 15–9 3.8L,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=38.5km s-min=17.1km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=42.6.
SJA Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza and in the epicentral area. After SJA.
GUC Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0.
ISC XI 29 01 11 21.3–1.0 32.88S–.03 69.11W–.04 12–11 19 0-2
SJA XI 29 01 11 20.8–.36 32.87S 69.11W 10–2 3.2W,2.4L **¶604740380**
GUC XI 29 01 11 23.4–.37 32.94S 69.24W 4–4 2.2L,2.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
SJA XII 07 14 15 22.1–.73 32.74S 68.66W 24–4 3.6W,2.8L
¶604740959
SJA Error ellipse: s-maj=2.2km s-min=5.6km az=-1.0.
ISC XII 13 15 33 57.7–1.2 32.20S–.03 67.52W–.03 6–14 26 0-3
SJA XII 13 15 33 57.8–.81 32.21S 67.52W 10–9 3.3W,3.2L **¶604741059**
GUC XII 13 15 34 00.8–.54 32.31S 67.09W 105–171 3.5L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=6.2km az=-1.0.
GUC Error ellipse: s-maj=6.2km s-min=12.0km az=-1.0.
ISC XII 17 09 40 37.0–2.1 32.23S–.04 69.63W–.06 112–17 23 0-2
ISCJB XII 17 09 40 36.0–1.2 32.23S–.04 69.62W–.05 120–10 **¶604741119**
SJA XII 17 09 40 35.5–.46 32.20S 69.68W 112–3 4.6W,3.2L
GUC XII 17 09 40 36.0–.67 32.26S 69.84W 129–13 3.1L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.1km az=23.8.
SJA Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=2.9km s-min=11.9km az=-1.0.
SJA XII 24 07 24 29.3–.91 32.07S 68.19W 115–3 3.5W,2.8L
¶604741232
SJA Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.

(140) San Luis Province.

ISC IX 15 09 37 17.7–.44 32.85S–.05 66.79W–.04 35 4.6b 89 1-172
IDC IX 15 09 37 11.9–.60 32.82S 66.67W 0 4.2,4.1 **¶601734493**
ISCJB IX 15 09 37 15.4–.27 32.91S–.04 66.49W–.05 33 4.5b,4.1
NEIC IX 15 09 37 17.6–.45 32.85S 66.60W 36–4 4.6b,4.4
SJA IX 15 09 37 17.5–.65 32.79S 66.81W 27–3 4.4W,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=25.5km s-min=16.2km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.7km az=149.3.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=82.0. Felt [III] at San Luis and Villa Mercedes.
SJA Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0.
ISC XII 17 08 38 25.0–.79 32.39S–.04 65.22W–.04 16–5 56 0-151
IDC XII 17 08 38 19.9–.99 31.46S 66.32W 0 4.0L,3.9 **¶602391507**
ISCJB XII 17 08 38 24.3–.96 32.29S–.04 65.09W–.05 23–10 4.0L,3.9
SJA XII 17 08 38 24.9–.70 32.35S 65.29W 20–3 4.1W,3.7L
NEIC XII 17 08 38 25.0–.00 32.34S 65.29W 20 4.4b,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=42.2km s-min=22.5km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=6.2km az=156.2.
SJA Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt [III] in the Merlo area. After SJA.

(141) Cordoba Province.

SJA VIII 02 11 58 46.6–.56 31.20S 64.40W 35–2 3.5W,2.6L
¶604392116
SJA Error ellipse: s-maj=4.1km s-min=11.3km az=-1.0.
ISC VIII 04 08 17 48.8–1.6 31.58S–.05 65.15W–.04 14–11 3.5b 29 1-151
IDC VIII 04 08 17 46.7–.93 31.49S 65.35W 0 3.7,3.7L **¶601765439**
SJA VIII 04 08 17 47.4–.65 31.58S 65.21W 11–3 3.8W,3.8L
ISCJB VIII 04 08 17 49.0–.80 31.52S–.04 65.19W–.04 16–9 3.4b,3.8L
ISC Event type ke.
ISCJB Event type ke.
SJA VIII 04 09 08 28.9–.36 31.81S 64.96W 20–1 3.8W,3.6L
¶604392140
SJA Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0.
ISC XI 08 22 04 44.2–1.5 31.34S–.03 65.00W–.03 2–12 4.1b 67 0-34
SJA XI 08 22 04 45.7–1.4 31.38S 65.14W 10–7 3.6W,3.5L **¶602006310**
NEIC XI 08 22 04 46.0–.00 31.37S 64.82W 56 4.0,4.0b
ISC Event type fe.
SJA Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0. Moment Tensor Solution. NP1:ϕ_s42.50000°,δ56.30000°,λ169.40000°.
NEIC Event type fe. Felt [III] in the epicentral area. After SJA.
ISC XII 24 09 13 36.7–.89 30.98S–.07 65.50W–.06 186–8 29 1-126
ISCJB XII 24 09 13 36.5–.62 31.00S–.06 65.51W–.05 188–7 3.3b **¶602391986**
SJA XII 24 09 13 36.6–1.0 30.99S 65.50W 186–7 3.5L,3.3W
IDC XII 24 09 13 40.4–5.3 30.74S 65.34W 210–42 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.1km az=166.6.
SJA Error ellipse: s-maj=4.2km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=55.9km s-min=27.1km az=17.0.
ISC XII 28 08 50 05.3–1.7 31.30S–.03 65.05W–.03 0–10 4.6b,4.0s 186 0-170
ISCJB XII 28 08 50 05.3–.92 31.33S–.02 64.97W–.03 9–6 4.5b,4.1s **¶602060888**
IDC XII 28 08 50 05.8–.57 31.32S 65.06W 0 4.5,4.5L
SJA XII 28 08 50 06.0–.92 31.40S 65.16W 12–4 4.9W,4.7L
NEIC XII 28 08 50 07.5–.29 31.30S 64.99W 10 4.8,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=145.3.
IDC Error ellipse: s-maj=23.0km s-min=14.8km az=93.0.
SJA Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s203.70000°,δ41.30000°,λ107.40000°.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.4km az=82.0. Felt [IV] at Cordoba and Salsacate. Also felt at Pocho, Rio Cuarto, Rio Tercero, San Alberto and Villa Carlos Paz.
SJA XII 28 09 04 52.7–.71 31.37S 65.09W 6–4 4.1W,4.0L
¶604741337
SJA Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
SJA XII 28 09 51 50.0–.42 31.38S 65.12W 8–3 3.6W,2.8L
¶604741339
SJA Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0.
SJA XII 28 10 38 57.2–.66 31.32S 64.86W 47–5 4.2W,3.5L
¶604741344
SJA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
SJA XII 28 11 15 30.2–.54 31.38S 65.12W 8–4 3.7W,3.2L
¶604741346
SJA Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
SJA XII 28 11 25 18.8–.75 31.36S 64.66W 78–4 3.7W,2.7L
¶604741347
SJA Error ellipse: s-maj=3.0km s-min=6.1km az=-1.0.
SJA XII 29 05 08 37.4–.55 31.34S 65.15W 13–2 3.8W,3.6L
¶604741385
SJA Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.

SEISMIC REGION 9.
Extreme South America.

(143) Off coast of southern Chile.

ISC XI 12 05 07 13.3–.41 45.55S–.06 77.02W–.08 10 4.6s,4.6b 91 3-173
IDC XI 12 05 07 10.9–.73 45.42S 77.25W 0 4.7,4.7s **¶601884096**
ISCJB XI 12 05 07 11.9–.31 45.62S–.04 76.49W–.10 10 4.7s,4.5b
GCMT XI 12 05 07 12.7–.20 45.76S–.01 77.28W–.02 18–1 5.2W,4.5b
NEIC XI 12 05 07 13.7–.37 45.56S 76.58W 10 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=16.8km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=178.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c78; s106,c186;Duration: 1$s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.21 $M_{\theta\theta}$3.41±.18; $M_{\phi\phi}$-3.87±.21; $M_{r\theta}$0.48±.38; $M_{\theta\phi}$-7.83±.17; $M_{\phi r}$-2.66±.46; Best double couple: NP1:ϕ_s168.00000°,δ89.00000°,λ17.00000°. NP2:ϕ_s78.00000°,δ73.00000°,λ179.00000°. Principal axes: T 8.8200,Plg13.0000° ,Azm34.0000°; N 0.4610,Plg73.0000°,Azm170.0000°; P -9.2770,Plg12.0000°,Azm301.0000° $M_9$9.04800×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=94.0.
ISC XI 12 10 55 17.1–.45 45.69S–.06 77.07W–.09 35 4.7b,4.5s 90 3-173
IDC XI 12 10 55 11.6–.72 45.73S 77.24W 0 4.5,4.5s **¶601885151**
NEIC XI 12 10 55 13.8–.31 45.68S 76.92W 10 4.7b,4.4L
GCMT XI 12 10 55 13.8–.20 45.76S–.01 77.41W–.02 17–1 5.1W,4.4L
ISCJB XI 12 10 55 15.8–.29 45.70S–.03 76.67W–.08 33 4.6b,4.5s
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c45; s97,c140;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.18 $M_{\theta\theta}$2.40±.16; $M_{\phi\phi}$-2.58±.18; $M_{r\theta}$0.35±.37; $M_{\theta\phi}$-4.78±.14; $M_{\phi r}$-2.65±.49; Best double couple: NP1:ϕ_s346.00000°,δ89.00000°,λ-26.00000°. NP2:ϕ_s77.00000°,δ64.00000°,λ-179.00000°. Principal axes: T 5.8310,Plg18.0000° ,Azm35.0000°; N 0.3610,Plg64.0000°,Azm165.0000°; P -6.1890,Plg19.0000°,Azm298.0000° $M_6$6.01000×10^{16}
ISCJB Event type se.
GCMT XI 13 03 10 38.0–.50 45.76S–.02 77.40W–.03 12 4.8W
¶606347889
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s79,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.10 $M_{\theta\theta}$1.01±.08; $M_{\phi\phi}$-1.20±.10; $M_{r\theta}$-0.51±.25; $M_{\theta\phi}$-1.75±.07; $M_{\phi r}$-1.00±.27; Best double couple: NP1:ϕ_s342.00000° ,δ76.00000°,λ-17.00000°. NP2:ϕ_s76.00000°,δ74.00000°,λ-165.00000°. Principal axes: T 1.9760,Plg1.0000°,Azm29.0000°; N 0.6360,Plg68.0000°,Azm123.0000° ; P -2.6130,Plg22.0000°,Azm299.0000° $M_0$2.29400×10^{16}
ISC XI 13 04 31 31.0–.24 45.67S–.04 77.08W–.05 35 5.7s,4.6b 708 3-177
IDC XI 13 04 31 24.8–.45 45.75S 77.23W 0 5.7,5.7s **¶601890535**
BJI XI 13 04 31 25.3 45.57S 77.55W 10 6.0s,5.9
NEIC XI 13 04 31 26.8–.17 45.76S 77.05W 9 6.2,6.1W
NEIC XI 13 04 31 27.0–.00 45.64S 77.57W 11 6.2,6.1W
GUC XI 13 04 31 27.7–.58 45.76S 77.05W 9–999 6.1W,6.1W
MOS XI 13 04 31 28.1–1.1 45.73S 77.11W 26 5.6s,5.3b
ISCJB XI 13 04 31 28.7–.16 45.71S–.03 76.90W–.05 33 5.8s,4.7b
GCMT XI 13 04 31 29.8–.10 45.80S 77.54W 18–0 6.0W,4.7b
NEIC XI 13 04 31 46.9–.00 45.73S 76.79W 10 6.0W,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=20.5km s-min=11.0km az=99.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=74.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ73.00000°,λ-174.00000°. NP2: ϕ_s166.00000°,δ84.00000°,λ-17.00000°. Principal axes: T 1.0300,Plg8.0000°,Azm213.0000° ; N 0.1300,Plg72.0000°,Azm329.0000°; P -1.1600,Plg16.0000°,Azm121.0000°
NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.11 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-0.51 $M_{r\theta}$0.63 $M_{\theta\phi}$-1.63 $M_{\phi r}$-0.41 Best double couple: NP1:ϕ_s80.00000° ,δ76.00000°,λ163.00000°. NP2:ϕ_s174.00000°,δ73.00000°,λ15.00000°. Principal axes: T 1.9400,Plg22.0000°,Azm36.0000°; N -0.1900,Plg67.0000°,Azm221.0000° ; P -1.7500,Plg1.0000°,Azm127.0000° $M_0$1.90000×10^{18}
GUC Error ellipse: s-maj=6.7km s-min=29.7km az=-1.0.
MOS Error ellipse: s-maj=15.5km s-min=7.8km az=89.2.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=168.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c279; s137,c485; Duration: 2$s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03±.01 $M_{\theta\theta}$0.60±.01; $M_{\phi\phi}$-0.56±.01; $M_{r\theta}$0.17±.02; $M_{\theta\phi}$-1.25±.01; $M_{\phi r}$-0.26±.02; Best double couple: NP1:ϕ_s168.00000°,δ86.00000° ,λ11.00000°. NP2:ϕ_s77.00000°,δ79.00000°,λ176.00000°. Principal axes: T 1.4470,Plg11.0000°,Azm33.0000°; N -0.0740,Plg78.0000°,Azm185.0000° ; P -1.3730,Plg5.0000°,Azm302.0000° $M_0$1.41000×10^{18}
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.46 $M_{r\theta}$-0.91 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s349.00000° ,δ56.00000°,λ-1.00000°. NP2:ϕ_s80.00000°,δ89.00000°,λ-146.00000°. Principal axes: T 1.7000,Plg23.0000°,Azm209.0000°; N -0.1500,Plg56.0000°,Azm81.0000° ; P -1.5500,Plg24.0000°,Azm310.0000° $M_0$1.60000×10^{18}
ISC XI 16 15 38 40.7–4.6 42.9S–.60 76.6W–.20 35 3.5b,3.4s 6 5-76
IDC XI 16 15 38 34.9–5.2 42.98S 76.75W 0 3.8,3.7 **¶602389520**
ISC Event type ke.
IDC Error ellipse: s-maj=102.9km s-min=41.2km az=175.0.
ISC XI 25 22 11 48.3–.38 44.31S–.05 77.76W–.07 35 4.8b,4.2s 122 3-172
IDC XI 25 22 11 42.1–.62 44.30S 78.33W 0 4.3,4.3s **¶601994445**
ISCJB XI 25 22 11 46.6–.31 44.35S–.05 77.81W–.06 33 4.7b,4.3s
GCMT XI 25 22 11 46.5–.20 44.50S–.01 78.37W–.02 16–1 5.1W,4.3s
MOS XI 25 22 11 48.4–2.1 44.27S 77.71W 44 4.9b,4.3s
NEIC XI 25 22 11 49.5–2.1 44.33S 77.73W 46–19 4.8b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=15.7km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.9km az=170.3.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c50; s103,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.60±.16 $M_{\theta\theta}$2.55±.14; $M_{\phi\phi}$-0.95±.14; $M_{r\theta}$-0.12±.30; $M_{\theta\phi}$-4.53±.11; $M_{\phi r}$-0.66±.35; Best double couple: NP1:ϕ_s349.00000°,δ82.00000°,λ-11.00000°. NP2:ϕ_s80.00000°,δ79.00000°,λ-172.00000°. Principal axes: T 5.6670,Plg2.0000° ,Azm35.0000°; N -1.4650,Plg76.0000°,Azm134.0000°; P -4.2020,Plg13.0000° ,Azm304.0000° $M_0$4.93400×10^{16}
MOS Error ellipse: s-maj=22.2km s-min=10.5km az=75.9.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=9.3km az=85.0.

GUC	**XII**	**02 05 46 34.3–.48**	**41.62S**	**75.20W**	**10**	**3.5L**		
								¶604837558

GUC Error ellipse: s-maj=1.4km s-min=5.8km az=-1.0.

(144) Southern Chile.

ISC	**VII**	**06 06 16 47.2–.40**	**42.61S–.03**	**73.83W–.05**	**25–2**	**5.0b,4.5s**	**795**	**1-176**
ISCJB	VII	06 06 16 46.4–.15	42.56S–.03	73.86W–.07	33	5.0b,4.5s		**¶601243245**
MOS	VII	06 06 16 47.0–1.1	42.54S	74.00W	33	5.3b,4.5s		
NEIC	VII	06 06 16 47.0–.00	42.65S	74.02W	32	5.1L,5.0b		
IDC	VII	06 06 16 47.2–.42	42.56S	73.80W	26–2	4.7,4.7		
GUC	VII	06 06 16 47.4–.65	42.65S	74.02W	32–5	5.1L,4.7		
BJI	VII	06 06 16 48.6	42.60S	74.00W	32	5.1s,4.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=167.6.
MOS Error ellipse: s-maj=14.8km s-min=7.6km az=91.6.
NEIC Event type fe. Felt [IV] at Castro, Chonchi, Dalcahue, Puqueldon and Queilen and [III] at Quellon and Quemchi. Also felt at Ancud and Puerto Montt. After GUC.
IDC Error ellipse: s-maj=18.4km s-min=11.8km az=85.0.
GUC Error ellipse: s-maj=2.1km s-min=8.3km az=-1.0.

GUC	**X**	**22 04 04 46.6–.53**	**42.58S**	**74.00W**	**19–5**	**3.6L**		
								¶604837085

GUC Error ellipse: s-maj=2.2km s-min=6.9km az=-1.0.

ISC	**XI**	**02 23 56 06.6–1.3**	**44.22S–.10**	**72.2W–.30**	**150**	**3.9b**	**17**	**4-162**
ISCJB	XI	02 23 56 05.0–1.3	44.22S–.08	72.4W–.50	150	3.8b		**¶601870055**
IDC	XI	02 23 56 07.0–2.8	44.23S	72.14W	153–24	4.0,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=47.7km s-min=10.5km az=4.5.
IDC Error ellipse: s-maj=45.3km s-min=14.6km az=95.0.

GUC	**XII**	**07 19 00 53.8–.44**	**41.17S**	**73.12W**	**43–3**	**3.5L**		
								¶604837618

GUC Error ellipse: s-maj=3.1km s-min=8.9km az=-1.0.

(145) Southern Chile-Argentina border region.

ISC	**X**	**31 06 37 00.7–2.2**	**38.91S–.09**	**72.0W–.20**	**104–21**		**16**	**1-12**
SJA	X	31 06 36 57.4–.31	39.07S	71.63W	33	4.1L,3.1W		**¶604738677**
ISCJB	X	31 06 36 59.7–1.5	38.97S–.08	72.1W–.20	113–12	4.1L,3.1W		
GUC	X	31 06 37 02.0–.54	39.06S	72.19W	99–2	3.8L,3.1W		

ISC Event type ke.
SJA Error ellipse: s-maj=24.3km s-min=61.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=6.8km az=154.5.
GUC Error ellipse: s-maj=1.9km s-min=4.6km az=-1.0.

GUC	**XI**	**06 02 29 29.9–.53**	**37.40S**	**71.21W**	**14–5**	**3.5L**		
								¶604837224

GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.

(146) Southern Argentina.

SJA	**VIII**	**24 08 38 02.5–.70**	**36.24S**	**67.82W**	**94–37**	**3.6W,3.5L**		
								¶604392418

SJA Error ellipse: s-maj=10.6km s-min=12.7km az=-1.0.

SEISMIC REGION 10.
Southern Antilles.

(150) Scotia Sea.

ISC	**VII**	**19 01 17 59.4–.70**	**60.4S–.10**	**51.1W–.20**	**10**	**4.4b,3.4s**	**26**	**20-151**
ISCJB	VII	19 01 17 58.1–.62	60.42S–.10	51.2W–.30	10	4.7b,3.3s		**¶601451987**
NEIC	VII	19 01 17 58.8–.52	60.43S	51.35W	10	4.5b,3.3s		
IDC	VII	19 01 17 58.0–.97	60.35S	51.24W	0	4.3,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=11.3km az=149.5.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=14.7km az=61.0.
IDC Error ellipse: s-maj=40.9km s-min=22.0km az=75.0.

IDC	**VIII**	**05 04 24 50.4–2.1**	**61.17S**	**48.37W**	**0**	**4.0,4.0b**		
								¶601765481

IDC Error ellipse: s-maj=94.0km s-min=34.2km az=31.0.

ISC	**IX**	**03 00 37 50.9–.76**	**60.4S–.10**	**50.3W–.20**	**10**	**4.2b,3.1s**	**14**	**22-150**
IDC	IX	03 00 37 48.9–.88	60.43S	50.24W	0	4.0,4.0b		**¶601734435**
ISCJB	IX	03 00 37 49.3–.69	60.4S–.10	50.2W–.30	10	4.0b,3.2s		
NEIC	IX	03 00 37 50.4–.57	60.44S	50.28W	10	4.2b,3.2s		

ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=21.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=13.9km az=156.8.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=13.4km az=64.0.

ISC	**IX**	**18 17 12 23.6–8.7**	**60.5S–.50**	**46W–2.0**	**10**		**5**	**18-160**
IDC	IX	18 17 12 23.5–65	60.40S	45.22W	0	4.4,4.4b		**¶601863766**

ISC Event type ke.
IDC Error ellipse: s-maj=2434.0km s-min=80.2km az=89.0.

IDC	**IX**	**21 14 34 12.4–1.2**	**60.30S**	**44.80W**	**0**	**4.0b,3.9**		
								¶601863953

IDC Error ellipse: s-maj=36.5km s-min=28.2km az=123.0.

ISC	**XII**	**30 06 44 41.7–.31**	**60.92S–.05**	**36.92W–.07**	**10**	**5.2b,4.2s**	**148**	**7-162**
ISCJB	XII	30 06 44 39.9–.26	60.87S–.05	36.9W–.10	10	5.1b,4.2s		**¶602064920**
IDC	XII	30 06 44 39.9–.46	60.90S	36.90W	0	4.8b,4.8		
MOS	XII	30 06 44 40.5–1.1	60.89S	36.96W	10	5.2b,4.8		
NEIC	XII	30 06 44 41.5–.19	60.91S	36.89W	10	5.2b,4.8		
GCMT	XII	30 06 44 45.5–.30	61.21S–.02	37.36W–.05	23–0	5.0W,4.8		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c51; s71,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.61±.29 $M_{\theta\theta}$1.81±.18; $M_{\phi\phi}$1.80±.20; $M_{r\theta}$0.50±.30; $M_{\theta\phi}$3.12±.14; $M_{\phi r}$1.31±.31; Best double couple: NP1:ϕ_s214.00000°,δ55.00000°,λ-105.00000°. NP2:ϕ_s58.00000°,δ38.00000°,λ-70.00000°. Principal axes: T 5.1150,Plg8.0000° ,Azm314.0000°; N -1.1940,Plg12.0000°,Azm222.0000°; P -3.9210,Plg75.0000° ,Azm79.0000° $M_0$4.51800×10^{16}

(153) South Sandwich Islands region.

ISC	**VII**	**02 20 23 15.2–.29**	**59.34S–.08**	**25.85W–.08**	**40**	**4.9b,4.2s**	**178**	**13-173**
IDC	VII	02 20 23 09.0–.37	59.25S	25.81W	0	4.8,4.8		**¶601505916**
ISCJB	VII	02 20 23 13.3–.30	59.34S–.06	25.7W–.10	40	4.9b,4.1s		
NEIC	VII	02 20 23 14.4–2.6	59.30S	25.65W	34–17	4.9b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=139.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.2km az=216.0.

IDC	**VII**	**03 06 43 35.2–1.3**	**55.48S**	**28.30W**	**0**	**4.0L,3.9**		
								¶601663426

IDC Error ellipse: s-maj=51.6km s-min=33.5km az=59.0.

ISC	**VII**	**05 02 19 08.3–.59**	**56.0S–.10**	**27.4W–.10**	**35**	**4.4b**	**38**	**5-151**
NEIC	VII	05 02 19 07.7–2.3	55.89S	27.06W	38–20	4.4b		**¶601243266**
IDC	VII	05 02 19 10.3–3.4	55.91S	26.94W	59–29	4.2,4.1L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=10.0km az=56.0.
IDC Error ellipse: s-maj=32.7km s-min=16.8km az=67.0.

ISC	**VII**	**05 17 04 35.7–.82**	**56.1S–.10**	**27.3W–.30**	**112**	**4.2b**	**13**	**17-151**
ISCJB	VII	05 17 04 34.5–.94	56.1S–.10	27.2W–.50	112	4.1b		**¶601243270**
IDC	VII	05 17 04 38.5–7.5	56.14S	27.34W	135–66	4.3,4.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.5km s-min=15.0km az=159.1.
IDC Error ellipse: s-maj=35.8km s-min=22.6km az=76.0.

ISC	**VII**	**07 08 11 37.6–.69**	**56.26S–.05**	**27.47W–.05**	**109–5**	**5.4b**	**711**	**6-176**
MOS	VII	07 08 11 32.6–.88	56.22S	27.43W	73	5.6b		**¶601505953**
ISCJB	VII	07 08 11 35.7–.18	56.24S–.04	27.55W–.07	100	5.4b		
BJI	VII	07 08 11 36.5	56.20S	27.40W	99	5.2b		
NEIC	VII	07 08 11 37.0–.89	56.20S	27.41W	101–7	5.4b		
IDC	VII	07 08 11 37.6–1.0	56.21S	27.41W	108–7	5.3,5.0		
GCMT	VII	07 08 11 37.0–.20	56.44S	27.18W	80–1	5.2W,5.0		

ISC Event type se.
MOS Error ellipse: s-maj=19.8km s-min=9.9km az=106.4.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=142.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.7km az=60.0.
IDC Error ellipse: s-maj=11.9km s-min=8.9km az=54.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s77,c110; s104,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.79±.16 $M_{\theta\theta}$4.28±.19; $M_{\phi\phi}$-0.48±.19; $M_{r\theta}$-2.57±.12; $M_{\theta\phi}$2.56±.14; $M_{\phi r}$-3.52±.10; Best double couple: NP1:ϕ_s44.00000°,δ69.00000° ,λ-113.00000°. NP2:ϕ_s273.00000°,δ31.00000°,λ-45.00000°. Principal axes: T 6.8060,Plg20.0000°,Azm151.0000°; N -0.7060,Plg22.0000°,Azm52.0000° ; P -6.0990,Plg60.0000°,Azm280.0000° $M_0$6.45300×10^{16}

ISC	**VII**	**07 08 22 58.6–.45**	**56.1S–.10**	**27.10W–.09**	**63**	**4.6b**	**94**	**6-152**
ISCJB	VII	07 08 22 57.2–.42	56.10S–.07	27.2W–.10	63	4.5b		**¶601456854**
NEIC	VII	07 08 23 00.9–1.0	56.13S	27.19W	85–8	4.5b		
IDC	VII	07 08 23 02.7–2.2	56.16S	27.20W	100–18	4.4,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=23.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.8km az=221.0.
IDC Error ellipse: s-maj=21.1km s-min=14.6km az=81.0.

ISC	**VII**	**07 23 31 41.7–.36**	**55.71S–.09**	**27.30W–.09**	**10**	**4.8b,4.0s**	**89**	**5-152**
ISCJB	VII	07 23 31 40.3–.36	55.67S–.06	27.3W–.10	10	4.8b,4.0s		**¶601244187**
NEIC	VII	07 23 31 46.3–1.5	55.70S	27.32W	43–12	4.7b,4.0s		
IDC	VII	07 23 31 47.6–2.3	55.74S	27.28W	52–20	4.8,4.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=43.6.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=47.0.
IDC Error ellipse: s-maj=16.1km s-min=12.9km az=66.0.

ISC	**VII**	**08 01 40 22.4–.53**	**56.0S–.10**	**27.6W–.20**	**112**	**4.3b**	**24**	**19-151**
ISCJB	VII	08 01 40 20.5–.56	56.02S–.10	27.6W–.30	112	4.2b		**¶601405497**
NEIC	VII	08 01 40 21.9–2.6	56.04S	27.65W	108–23	4.1b		
IDC	VII	08 01 40 21.0–5.5	56.01S	27.51W	99–49	4.4,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=11.7km az=157.2.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=61.0.
IDC Error ellipse: s-maj=26.0km s-min=15.0km az=64.0.

ISC	**VII**	**08 13 18 13.0–.76**	**57.9S–.10**	**25.4W–.20**	**49**	**4.0b**	**18**	**15-152**
ISCJB	VII	08 13 18 11.5–.91	57.8S–.20	25.5W–.50	49	3.9b		**¶601246607**
IDC	VII	08 13 18 22.7–7.3	57.84S	25.71W	138–65	4.0,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.3km s-min=19.7km az=162.3.
IDC Error ellipse: s-maj=32.7km s-min=20.8km az=66.0.

ISC	**VII**	**08 14 41 23.1–.29**	**56.64S–.06**	**24.17W–.07**	**10**	**5.1b,4.2s**	**238**	**7-176**
ISCJB	VII	08 14 41 21.6–.27	56.45S–.05	24.31W–.09	10	5.0b,4.2s		**¶601505956**
IDC	VII	08 14 41 22.0–.41	56.46S	24.20W	0	5.1L,4.8		
NEIC	VII	08 14 41 23.1–.13	56.46S	24.19W	10	5.2b,4.8		
GCMT	VII	08 14 41 23.1–.30	56.59S	23.78W	18–1	5.1W,4.8		
MOS	VII	08 14 41 25.9–1.4	56.54S	24.41W	33	5.3b,4.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.0km az=135.6.
IDC Error ellipse: s-maj=14.4km s-min=13.7km az=55.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=206.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s28,c31; s79,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.69±.28 $M_{\theta\theta}$1.91±.21; $M_{\phi\phi}$2.78±.17; $M_{r\theta}$-1.10±.48; $M_{\theta\phi}$-1.63±.10; $M_{\phi r}$-2.07±.38; Best double couple: NP1:ϕ_s343.00000° ,δ55.00000°,λ-67.00000°. NP2:ϕ_s127.00000°,δ41.00000°,λ-119.00000°. Principal axes: T 4.1570,Plg7.0000°,Azm57.0000°; N 1.3680,Plg18.0000°,Azm149.0000° ; P -5.5250,Plg70.0000°,Azm306.0000° $M_0$4.84100×10^{16}
MOS Error ellipse: s-maj=21.6km s-min=11.7km az=108.1.

ISC	**VII**	**09 13 28 15.3–.56**	**55.9S–.10**	**28.0W–.10**	**121**	**4.2b**	**30**	**5-151**
ISCJB	VII	09 13 28 13.6–.57	55.95S–.09	28.0W–.20	121	4.3b		**¶601258060**
IDC	VII	09 13 28 14.9–2.1	55.90S	27.94W	115–17	4.4,4.2		
NEIC	VII	09 13 28 16.0–1.1	55.96S	28.05W	128–8	4.1b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.0km az=140.6.
IDC Error ellipse: s-maj=20.4km s-min=15.5km az=70.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.5km az=53.0.

ISC	**VII**	**10 10 43 54.8–.38**	**59.65S–.08**	**26.00W–.09**	**40**	**4.6b,3.7s**	**85**	**13-155**
ISCJB	VII	10 10 43 53.4–.34	59.66S–.07	26.3W–.10	40	4.6b,3.7s		**¶601258065**
IDC	VII	10 10 43 58.6–1.8	59.66S	26.45W	72–14	4.6,4.4		
NEIC	VII	10 10 44 04.0–2.1	59.64S	26.43W	123–18	4.6b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.9km az=141.9.
IDC Error ellipse: s-maj=17.0km s-min=13.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.3km az=53.0.

ISC	**VII**	**13 00 38 25.4–.32**	**56.31S–.07**	**27.52W–.08**	**112**	**4.9b**	**176**	**6-159**
MOS	VII	13 00 38 19.5–.91	56.28S	27.52W	69	5.2b		**¶601271874**
ISCJB	VII	13 00 38 23.7–.32	56.28S–.06	27.5W–.10	112	4.9b		
BJI	VII	13 00 38 23.4	56.30S	27.50W	101	5.2b		
NEIC	VII	13 00 38 24.7–1.2	56.27S	27.45W	104–10	4.8b		
IDC	VII	13 00 38 25.7–1.8	56.22S	27.39W	112–15	4.9,4.6		

ISC Event type se.
MOS Error ellipse: s-maj=24.0km s-min=12.2km az=113.6.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=225.0.
IDC Error ellipse: s-maj=18.9km s-min=11.6km az=66.0.

ISC	**VII**	**13 07 34 10.7–.48**	**56.9S–.10**	**30.4W–.20**	**10**	**4.5b,3.8s**	**59**	**4-153**
ISCJB	VII	13 07 34 09.3–.52	56.89S–.10	30.5W–.30	10	4.5b,3.7s		**¶601273200**
NEIC	VII	13 07 34 15.6–1.6	56.95S	30.49W	47–13	4.6b,3.7s		
IDC	VII	13 07 34 17.8–6.2	56.99S	30.57W	64–55	4.3,4.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=9.0km az=149.3.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=7.9km az=58.0.
IDC Error ellipse: s-maj=31.7km s-min=15.7km az=66.0.

ISC	**VII**	**14 23 34 10.1–.84**	**59.4S–.10**	**25.8W–.20**	**40**	**3.9b**	**14**	**13-150**
IDC	VII	14 23 34 12.5–8.1	59.32S	26.01W	65–73	4.6L,4.0		**¶601273545**

ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=24.4km az=75.0.

ISC	**VII**	**19 05 14 29.6–.23**	**56.09S–.06**	**28.02W–.05**	**121**	**5.2b**	**275**	**5-166**
MOS	VII	19 05 14 25.2–1.1	56.04S	27.86W	90	5.3b		**¶601405108**
NEIC	VII	19 05 14 27.9–1.0	56.04S	27.81W	105–9	5.4b		
GCMT	VII	19 05 14 27.9–.20	56.24S	27.53W	80–3	5.1W		
ISCJB	VII	19 05 14 28.0–.22	56.02S–.05	27.86W–.08	121	5.2b		
IDC	VII	19 05 14 28.7–.89	56.08S	27.85W	109–6	5.2,4.8		

ISC Event type se.
MOS Error ellipse: s-maj=20.8km s-min=10.2km az=110.1.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.3km az=219.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s63,c83; s103,c149; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.42±.19 $M_{\theta\theta}$0.60±.22; $M_{\phi\phi}$-1.02±.21; $M_{r\theta}$-3.77±.11; $M_{\theta\phi}$1.43±.15; $M_{\phi r}$-4.15±.10; Best double couple: NP1:ϕ_s38.00000°,δ89.00000° ,λ-101.00000°. NP2:ϕ_s302.00000°,δ11.00000°,λ-6.00000°. Principal axes: T 6.4560,Plg43.0000°,Azm139.0000°; N -1.4890,Plg11.0000°,Azm38.0000° ; P -4.9640,Plg45.0000°,Azm297.0000° $M_0$5.71000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=135.1.
IDC Error ellipse: s-maj=11.6km s-min=7.9km az=49.0.

ISC	**VII**	**19 13 31 45.5–1.9**	**60.9S–.30**	**29.4W–.60**	**10**	**3.7s**	**7**	**13-152**
IDC	VII	19 13 31 44.0–1.8	60.82S	29.33W	0	4.3,4.3		**¶601451991**

ISC Event type ke.
IDC Error ellipse: s-maj=85.3km s-min=50.3km az=76.0.

IDC	**VII**	**20 06 51 02.3–2.2**	**54.02S**	**29.65W**	**0**	**4.2,4.2**		
								¶601664862

IDC Error ellipse: s-maj=114.1km s-min=75.5km az=139.0.

ISC	**VII**	**23 16 01 06.3–1.3**	**56.5S–.20**	**26.6W–.20**	**10**		**10**	**6-151**

IDC VII 23 16 01 01.5–1.5 56.26S 26.19W 0 4.1,4.0 **¶601497867**
NEIC VII 23 16 01 09.2–2.7 56.28S 26.32W 56–22 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=75.2km s-min=34.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=11.9km az=49.0.
ISC VII 23 22 58 31.1–.44 58.19S–.09 24.13W–.08 10 4.7b,3.9s 52 8-153
ISCJB VII 23 22 58 28.7–.39 58.25S–.07 24.1W–.10 10 4.6b,3.9s **¶601465923**
IDC VII 23 22 58 29.3–.60 58.19S 24.16W 0 4.9L,4.6
NEIC VII 23 22 58 33.1–3.6 58.18S 24.11W 26–25 4.8b,4.6
GCMT VII 23 22 58 33.1–.50 58.49S 23.94W 25–2 4.9W,4.6
BJI VII 23 22 58 35.1 58.20S 24.10W 26 4.8s,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=28.0.
IDC Error ellipse: s-maj=20.6km s-min=15.5km az=168.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.3km az=192.0.
GCMT Error ellipse: s-maj=5.6km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s18,c19; s73,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.51±.20 $M_{\theta\theta}$-3.08±.18; $M_{\phi\phi}$2.57±.16; $M_{r\theta}$-0.55±.39; $M_{\theta\phi}$0.52±.14; $M_{\phi r}$1.07±.34; Best double couple: NP1:ϕ_s318.00000°,δ82.00000°,λ156.00000°. NP2:ϕ_s52.00000°,δ67.00000°,λ9.00000°. Principal axes: T 3.0370,Plg22.0000°,Azm273.0000°; N 0.2090,Plg65.0000°,Azm120.0000°; P -3.2440,Plg10.0000°,Azm7.0000° M_o3.14000×10^{16}
ISC VII 26 14 50 45.7–.83 55.6S–.10 28.3W–.30 45 4.3b 13 18-151
ISCJB VII 26 14 50 44.1–.90 55.6S–.10 28.2W–.40 45 4.2b,3.1s **¶601666483**
IDC VII 26 14 50 49.2–8.3 55.63S 28.28W 75–74 4.7L,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.4km s-min=15.7km az=159.1.
IDC Error ellipse: s-maj=36.7km s-min=24.5km az=74.0.
ISC VIII 03 21 32 54.5–.34 55.13S–.07 28.53W–.07 10 5.0b,4.2s 95 5-152
ISCJB VIII 03 21 32 52.9–.34 55.19S–.06 28.5W–.10 10 4.9b,4.2s **¶601518049**
IDC VIII 03 21 32 52.7–.48 55.09S 28.35W 0 4.8L,4.7
NEIC VIII 03 21 32 54.4–.25 55.14S 28.42W 10 4.9b,4.7
BJI VIII 03 21 32 56.5 55.20S 28.50W 20 5.4b,4.9s
GCMT VIII 03 21 32 59.4–.30 55.11S–.03 28.27W–.05 17–1 4.9W,4.9s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s62,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.27 $M_{\theta\theta}$-1.63±.17; $M_{\phi\phi}$-1.26±.16; $M_{r\theta}$-0.91±.41; $M_{\theta\phi}$1.45±.08; $M_{\phi r}$1.14±.43; Best double couple: NP1:ϕ_s316.00000°,δ58.00000°,λ95.00000°. NP2:ϕ_s127.00000°,δ32.00000°,λ82.00000°. Principal axes: T 3.2450,Plg76.0000°,Azm240.0000°; N -0.0010,Plg4.0000°,Azm133.0000°; P -3.2440,Plg13.0000°,Azm42.0000° M_o3.24500×10^{16}
ISC VIII 04 01 27 55.5–.42 55.11S–.08 28.43W–.07 10 4.6b,3.9s 53 5-176
ISCJB VIII 04 01 27 53.6–.39 55.12S–.06 28.50W–.09 10 4.5b,4.1s **¶601518304**
IDC VIII 04 01 27 53.9–.53 55.11S 28.26W 0 4.6L,4.5
NEIC VIII 04 01 27 55.4–.23 55.09S 28.37W 10 4.6b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=30.9.
IDC Error ellipse: s-maj=18.0km s-min=16.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.6km az=213.0.
ISC VIII 04 03 52 19.1–1.0 55.1S–.20 28.3W–.30 10 3.8b 7 20-149
ISCJB VIII 04 03 52 17.1–.92 55.1S–.10 28.2W–.40 10 3.7b,3.0s **¶601765433**
IDC VIII 04 03 52 17.7–1.1 55.13S 28.32W 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.0km s-min=15.5km az=156.8.
IDC Error ellipse: s-maj=48.3km s-min=22.1km az=68.0.
ISC VIII 04 06 35 31.5–.59 55.8S–.10 25.9W–.10 32 4.3b,3.7s 37 6-153
IDC VIII 04 06 35 26.4–.77 55.74S 25.89W 0 4.3,4.2 **¶601518307**
ISCJB VIII 04 06 35 29.5–.52 55.71S–.08 26.0W–.20 32 4.3b,3.7s
NEIC VIII 04 06 35 30.3–3.8 55.71S 25.90W 22–26 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=19.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=9.1km az=148.3.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.3km az=51.0.
ISC VIII 04 07 26 06.4–1.0 55.8S–.20 25.8W–.30 35 4.1b 9 17-151
IDC VIII 04 07 26 01.2–1.0 55.74S 25.81W 0 4.1,4.1b **¶601518308**
ISCJB VIII 04 07 26 04.8–1.0 55.7S–.10 25.8W–.50 35 4.0b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 04 08 43 42.1–.58 58.30S–.09 25.2W–.20 35 4.1b 60 14-155
IDC VIII 04 08 43 37.0–.66 58.15S 25.37W 0 4.1,4.1L **¶601518310**
ISCJB VIII 04 08 43 40.6–.51 58.18S–.08 25.4W–.30 35 4.1b,4.1L
NEIC VIII 04 08 43 42.5–.19 58.16S 25.34W 35 4.1b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=18.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=9.3km az=159.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.9km az=68.0.
ISC VIII 04 12 37 00.5–.68 55.8S–.10 26.21W–.10 35 4.4b,4.2s 20 6-150
IDC VIII 04 12 36 55.4–.72 55.72S 25.90W 0 4.6,4.5b **¶601518312**
NEIC VIII 04 12 36 56.8–.46 55.69S 25.89W 10 4.3b,4.5b
ISCJB VIII 04 12 36 58.6–.66 55.72S–.09 26.0W–.20 35 4.5b,4.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 04 12 39 60.0–.64 55.8S–.10 26.1W–.10 10 4.6b 22 6-150
ISCJB VIII 04 12 39 58.1–.59 55.77S–.08 26.1W–.20 10 4.6b **¶601518313**
IDC VIII 04 12 39 58.6–.67 55.79S 26.02W 0 4.6,4.5
NEIC VIII 04 12 40 00.1–.43 55.75S 26.07W 10 4.3b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.9km az=139.9.
IDC Error ellipse: s-maj=20.9km s-min=18.7km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.4km az=211.0.
ISC VIII 04 12 41 54.7–.98 55.8S–.10 26.1W–.10 10 4.3b 13 6-150
ISCJB VIII 04 12 41 53.0–.93 55.7S–.10 26.2W–.20 10 4.2b **¶601713611**
IDC VIII 04 12 41 53.0–1.2 55.71S 25.66W 0 4.4,4.3
NEIC VIII 04 12 41 54.5–.87 55.66S 25.81W 10 4.2b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=9.7km az=40.9.
IDC Error ellipse: s-maj=40.6km s-min=23.5km az=80.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.3km az=50.0.
ISC VIII 04 18 12 07.1–.77 56.2S–.20 27.87W–.10 112 4.8b 23 5-151
IDC VIII 04 18 11 53.7–1.2 55.88S 27.57W 0 4.3,4.3L **¶601717629**
ISCJB VIII 04 18 12 05.6–.73 56.2S–.10 27.9W–.10 112 4.9b,4.3L
NEIC VIII 04 18 12 05.9–2.0 56.15S 27.69W 100–18 4.8b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=32.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=9.9km az=9.3.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=14.6km az=205.0.
ISC VIII 06 07 30 24.2–.92 55.8S–.10 25.9W–.30 35 4.0b,3.6s 11 17-150
IDC VIII 06 07 30 19.3–.99 55.74S 25.88W 0 4.2,4.1b **¶601529203**
ISCJB VIII 06 07 30 22.7–.89 55.7S–.10 25.9W–.40 35 4.0b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 07 00 35 19.5–1.1 55.79S 26.51W 0 3.9,3.8
¶601765581
IDC Error ellipse: s-maj=86.3km s-min=25.6km az=97.0.
ISC VIII 08 10 09 17.5–.43 55.03S–.09 28.16W–.07 10 4.6b,3.8s 76 5-151
ISCJB VIII 08 10 09 15.4–.45 54.99S–.07 27.9W–.10 10 4.7b,3.8s **¶601531884**
IDC VIII 08 10 09 16.0–.71 55.05S 28.08W 0 4.6,4.5b
NEIC VIII 08 10 09 17.5–.30 54.99S 27.93W 10 4.7b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=8.3km az=139.7.
IDC Error ellipse: s-maj=23.1km s-min=19.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.0km az=183.0.
ISC VIII 08 11 25 45.2–.38 58.74S–.08 25.28W–.08 38 4.6b 110 8-174
ISCJB VIII 08 11 25 43.4–.38 58.75S–.06 25.2W–.10 38 4.6b **¶601533175**
IDC VIII 08 11 25 45.8–4.3 58.71S 25.33W 41–37 4.5,4.4
NEIC VIII 08 11 25 51.3–1.6 58.71S 25.31W 90–13 4.4b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=163.0.
IDC Error ellipse: s-maj=16.6km s-min=14.7km az=91.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.6km az=72.0.
ISC VIII 08 14 01 37.6–.69 55.0S–.10 28.2W–.10 10 4.4b,3.5s 33 5-151
ISCJB VIII 08 14 01 35.6–.59 55.03S–.08 28.1W–.20 10 4.5b,3.6s **¶601533177**
IDC VIII 08 14 01 36.1–.79 55.03S 27.95W 0 4.4,4.3b
NEIC VIII 08 14 01 37.6–.33 55.07S 28.14W 10 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=10.3km az=151.3.
IDC Error ellipse: s-maj=31.0km s-min=20.3km az=84.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.8km az=59.0.
ISC VIII 08 22 42 10.1–.28 55.75S–.06 26.11W–.05 10 5.2b,4.9s 262 6-158
ISCJB VIII 08 22 42 08.2–.26 55.73S–.05 26.08W–.09 10 5.1b,4.9s **¶601532919**
IDC VIII 08 22 42 08.3–.38 55.79S 25.94W 0 5.0,5.0b
NEIC VIII 08 22 42 14.1–.16 55.77S 26.06W 35 5.2b,5.0b
GCMT VIII 08 22 42 18.1–.20 55.85S–.02 25.88W–.02 12 5.1W,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c82; s85,c132;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.41±.12 $M_{\theta\theta}$-1.65±.13; $M_{\phi\phi}$-2.76±.11; $M_{r\theta}$-1.85±.35; $M_{\theta\phi}$2.88±.09; $M_{\phi r}$4.06±.33; Best double couple: NP1:ϕ_s331.00000°,δ67.00000°,λ100.00000°. NP2:ϕ_s127.00000°,δ25.00000°,λ68.00000°. Principal axes: T 6.2780,Plg67.0000°,Azm259.0000°; N 0.5400,Plg9.0000°,Azm147.0000°; P -6.8180,Plg21.0000°,Azm54.0000° M_o6.54800×10^{16}
IDC VIII 09 12 16 35.3–4.3 56.34S 27.00W 0 3.9,3.7
¶601765698
IDC Error ellipse: s-maj=149.4km s-min=58.9km az=172.0.
ISC VIII 09 15 03 06.5–.39 59.84S–.05 28.15W–.05 148–3 5.3b 674 7-173
NEIC VIII 09 15 03 05.5–.10 59.76S 27.99W 141 5.4b **¶604029662**
ISCJB VIII 09 15 03 05.3–1.3 59.79S–.04 28.02W–.08 146–12 5.2b
BJI VIII 09 15 03 06.7 59.70S 28.10W 155 5.1b
MOS VIII 09 15 03 06.1–.96 59.82S 28.09W 151 5.1b
IDC VIII 09 15 03 06.9–.59 59.89S 28.18W 149–4 5.3,4.9
GCMT VIII 09 15 03 09.5–.20 60.09S–.02 27.75W–.03 149–2 5.1W,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c56; s107,c148;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34±.14 $M_{\theta\theta}$-2.95±.22; $M_{\phi\phi}$5.28±.21; $M_{r\theta}$-3.25±.12; $M_{\theta\phi}$0.40±.19; $M_{\phi r}$-2.22±.12; Best double couple: NP1:ϕ_s39.00000°,δ74.00000°,λ-47.00000°. NP2:ϕ_s146.00000°,δ45.00000°,λ-157.00000°. Principal axes: T 6.0700,Plg18.0000°,Azm99.0000°; N -0.0370,Plg41.0000°,Azm205.0000°; P -6.0430,Plg44.0000°,Azm351.0000° M_o6.05600×10^{16}
ISC VIII 10 23 07 19.0–.47 59.56S–.09 26.7W–.10 150 4.5b 33 13-153
ISCJB VIII 10 23 07 17.2–.41 59.54S–.07 26.8W–.20 150 4.4b **¶601551767**
IDC VIII 10 23 07 18.4–6.2 59.45S 26.80W 142–55 4.6,4.3
NEIC VIII 10 23 07 20.3–2.6 59.46S 26.85W 160–24 4.2b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.4km az=159.6.
IDC Error ellipse: s-maj=27.7km s-min=14.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.5km az=68.0.
ISC VIII 12 18 18 19.3–.48 56.06S–.09 27.58W–.09 112 4.5b 50 5-158
ISCJB VIII 12 18 18 17.7–.41 56.02S–.07 27.6W–.10 112 4.6b **¶601554371**
NEIC VIII 12 18 18 20.5–1.8 56.02S 27.52W 122–15 4.0b
IDC VIII 12 18 18 23.4–4.8 56.05S 27.53W 145–42 4.8,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=43.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.6km az=64.0.
IDC Error ellipse: s-maj=19.7km s-min=13.1km az=64.0.
ISC VIII 14 02 13 57.4–.45 59.26S–.06 26.13W–.06 70–3 5.2b 415 8-166
MOS VIII 14 02 13 52.3–1.0 59.08S 25.94W 33 5.3b **¶601557033**
ISCJB VIII 14 02 13 55.7–.24 59.26S–.05 25.95W–.08 70 5.1b
NEIC VIII 14 02 13 57.5–1.8 59.20S 26.11W 69–4 5.2b
IDC VIII 14 02 13 58.0–.50 59.16S 26.13W 75–4 5.0,4.7
ISC Event type se.
MOS Error ellipse: s-maj=21.1km s-min=10.6km az=106.5.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=36.7.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.6km az=220.0.
IDC Error ellipse: s-maj=13.5km s-min=11.0km az=16.0.
ISC VIII 17 16 40 50.0–.74 55.8S–.10 28.5W–.30 200 3.9b 18 17-151
ISCJB VIII 17 16 40 48.5–.89 55.8S–.10 28.5W–.40 200 3.8b **¶601565584**
IDC VIII 17 16 40 51.5–4.4 55.80S 28.57W 215–40 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.0km s-min=15.3km az=158.1.
IDC Error ellipse: s-maj=26.8km s-min=14.9km az=59.0.
IDC VIII 18 16 41 28.1–1.2 57.32S 25.92W 0 3.8,3.8b
¶601766080
IDC Error ellipse: s-maj=53.2km s-min=24.6km az=76.0.
ISC VIII 18 21 35 03.0–1.4 55.7S–.20 28.1W–.40 10 3.8b 8 17-150
IDC VIII 18 21 35 00.3–1.3 55.70S 28.24W 0 4.5L,3.9 **¶601565868**
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=25.0km az=94.0.
ISC VIII 20 21 32 03.8–.53 58.46S–.09 26.8W–.10 200 4.0b 30 14-152
ISCJB VIII 20 21 32 02.4–.54 58.32S–.09 26.8W–.20 200 3.9b **¶601605998**
NEIC VIII 20 21 32 02.3–2.3 58.25S 26.82W 182–21 4.3b
IDC VIII 20 21 32 02.9–4.4 58.23S 26.83W 186–40 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=6.7km az=147.8.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.2km az=51.0.
IDC Error ellipse: s-maj=21.6km s-min=11.8km az=61.0.
ISC VIII 23 15 54 51.0–.45 58.92S–.09 25.5W–.10 35 5.0b,3.5s 74 8-154
IDC VIII 23 15 54 45.5–.54 58.83S 25.51W 0 5.0L,4.7 **¶601615819**
ISCJB VIII 23 15 54 49.1–.40 58.88S–.07 25.4W–.20 35 4.9b,3.5s
NEIC VIII 23 15 54 50.9–.18 58.90S 25.45W 35 5.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=17.6km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=7.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=59.0.
ISC VIII 23 21 24 17.7–.53 56.04S–.09 26.7W–.10 35 4.3b 24 17-150
ISCJB VIII 23 21 24 15.6–.52 56.13S–.09 26.6W–.20 35 4.2b,3.0s **¶601615821**
IDC VIII 23 21 24 21.6–7.0 56.18S 26.61W 74–63 4.2,3.9
NEIC VIII 23 21 24 22.5–2.9 56.20S 26.66W 84–27 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=12.0km az=161.6.
IDC Error ellipse: s-maj=28.3km s-min=22.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.6km az=213.0.
ISC VIII 29 20 23 14.7–.40 56.05S–.08 27.5W–.10 112 4.7b 61 17-158
ISCJB VIII 29 20 23 13.3–.42 55.99S–.06 27.4W–.10 112 4.6b **¶601670373**
IDC VIII 29 20 23 16.4–1.8 56.08S 27.37W 125–15 4.7,4.4
NEIC VIII 29 20 23 17.9–1.1 56.05S 27.43W 141–9 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.7km az=162.8.
IDC Error ellipse: s-maj=13.8km s-min=9.7km az=74.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.1km az=71.0.
ISC VIII 31 17 00 35.7–.30 55.78S–.07 27.71W–.06 35 5.0b 163 5-153
IDC VIII 31 17 00 30.2–.48 55.78S 27.49W 0 4.9,4.9 **¶601667573**
ISCJB VIII 31 17 00 33.7–.25 55.74S–.05 27.51W–.07 35 5.0b,4.9
MOS VIII 31 17 00 33.6–1.2 55.81S 27.62W 33 5.1b,4.9
BJI VIII 31 17 00 34.8 55.80S 27.50W 33 5.5s,5.3b
NEIC VIII 31 17 00 35.9–1.2 55.79S 27.53W 40–11 5.0b,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=13.8km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=29.0.
MOS Error ellipse: s-maj=19.0km s-min=11.5km az=112.6.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=207.0.
ISC VIII 31 17 02 06.1–.34 55.80S–.07 27.49W–.07 35 5.1b 119 5-153
IDC VIII 31 17 02 00.9–.48 55.73S 27.38W 0 4.9,4.9 **¶601755758**
ISCJB VIII 31 17 02 04.2–.26 55.78S–.05 27.47W–.08 35 5.1b,4.9

NEIC VIII 31 17 02 07.1–1.1 55.80S 27.49W 46–9 5.1b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=14.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=35.6.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=224.0.
ISC IX 02 10 25 24.4–.82 58.8S–.10 26.1W–.20 100 4.0b 14 14-152
ISCJB IX 02 10 25 23.0–.92 59.0S–.10 25.8W–.30 100 3.8b **¶601672858**
IDC IX 02 10 25 26.5–7.9 58.84S 26.08W 118–73 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=16.1km az=178.5.
IDC Error ellipse: s-maj=26.9km s-min=21.8km az=132.0.
ISC IX 03 06 30 29.4–.71 56.6S–.10 27.4W–.20 150 3.9b 14 16-151
ISCJB IX 03 06 30 28.4–.69 56.6S–.10 27.4W–.40 150 3.9b **¶601862843**
IDC IX 03 06 30 28.2–6.8 56.79S 27.14W 145–62 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.5km s-min=11.4km az=156.9.
IDC Error ellipse: s-maj=29.1km s-min=18.5km az=62.0.
ISC IX 08 19 03 39.4–.55 55.67S–.09 27.06W–.08 25 4.6b 38 6-151
IDC IX 08 19 03 35.4–.72 55.62S 26.89W 0 4.2b,4.2 **¶601696943**
ISCJB IX 08 19 03 37.8–.42 55.58S–.07 26.9W–.10 25 4.6b,3.0s
NEIC IX 08 19 03 38.5–6.0 55.67S 26.83W 19–36 4.9b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=18.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.6km az=139.6.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.7km az=53.0.
ISC IX 09 08 18 01.9–.80 56.0S–.10 28.0W–.10 112 4.2b 17 5-150
IDC IX 09 08 17 48.5–.92 55.82S 27.60W 0 4.4,4.3 **¶601839190**
ISCJB IX 09 08 17 59.8–.71 56.0S–.10 27.7W–.20 112 4.1b,4.3
NEIC IX 09 08 18 00.9–1.5 55.96S 27.74W 102–12 4.2b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=24.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=12.5km az=138.4.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=11.8km az=48.0.
ISC IX 12 09 03 11.6–.76 55.3S–.10 27.04W–.09 10 4.4b 26 6-151
ISCJB IX 12 09 03 09.8–.61 55.21S–.08 26.9W–.20 10 4.3b,3.5s **¶601712694**
IDC IX 12 09 03 09.7–.87 55.22S 26.54W 0 4.1,4.0
NEIC IX 12 09 03 11.4–.55 55.25S 26.77W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=10.0km az=148.8.
IDC Error ellipse: s-maj=31.1km s-min=20.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.4km az=216.0.
ISC IX 13 21 13 01.1–.89 58.5S–.10 24.8W–.20 28 3.9b 11 14-153
IDC IX 13 21 12 57.2–1.0 58.43S 24.78W 0 4.0,3.9 **¶601715312**
ISCJB IX 13 21 12 59.2–.87 58.6S–.10 24.9W–.40 28 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 14 11 49 53.5–.49 56.77S–.07 27.20W–.08 200 4.1b 47 6-151
NEIC IX 14 11 49 51.6–1.1 56.70S 27.25W 175–11 4.2b **¶601717667**
ISCJB IX 14 11 49 52.1–.42 56.78S–.05 27.3W–.10 200 4.0b
IDC IX 14 11 49 52.0–3.0 56.70S 27.13W 180–27 4.5,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.4km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=6.3km az=161.0.
IDC Error ellipse: s-maj=21.6km s-min=15.7km az=103.0.
ISC IX 15 23 45 03.0–.43 56.04S–.09 28.13W–.10 112 4.8b 71 5-153
NEIC IX 15 23 44 51.1–.94 55.92S 27.65W 15–5 4.8b **¶601717933**
BJI IX 15 23 44 51.5 55.90S 27.70W 12 4.9s,4.6
ISCJB IX 15 23 45 01.1–.44 56.03S–.07 28.0W–.20 112 4.7b,4.6
IDC IX 15 23 45 04.2–5.0 55.94S 27.60W 122–43 4.7,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.5km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=7.2km az=146.7.
IDC Error ellipse: s-maj=26.3km s-min=14.6km az=61.0.
ISC IX 22 20 37 44.9–.69 56.9S–.10 24.6W–.10 35 4.6b 29 7-152
IDC IX 22 20 37 39.9–.86 56.64S 24.64W 0 4.1,4.0 **¶601737030**
ISCJB IX 22 20 37 43.0–.55 56.73S–.08 24.7W–.20 35 4.3b,3.6s
NEIC IX 22 20 37 45.9–2.5 56.77S 24.67W 46–23 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=15.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=8.3km az=144.3.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.0km az=51.0.
ISC IX 25 21 08 41.6–.89 59.9S–.10 25.7W–.20 26 4.0b 13 13-153
IDC IX 25 21 08 37.8–.85 59.81S 25.72W 0 4.2,4.1L **¶601740393**
ISCJB IX 25 21 08 39.5–.89 59.9S–.10 25.5W–.40 26 3.9b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 27 02 41 35.2–.61 55.5S–.10 27.79W–.09 10 4.4b 29 5-151
ISCJB IX 27 02 41 33.5–.47 55.44S–.09 27.6W–.10 10 4.3b,3.8s **¶601864254**
IDC IX 27 02 41 34.0–.70 55.44S 27.47W 0 4.4,4.3b
NEIC IX 27 02 41 38.9–.31 55.45S 27.64W 35 4.4b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=10.2km az=27.7.
IDC Error ellipse: s-maj=25.0km s-min=19.8km az=89.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.9km az=206.0.
ISC IX 27 16 24 18.7–.77 56.1S–.10 26.8W–.20 35 4.3b 16 34-150
IDC IX 27 16 24 13.4–.96 56.02S 26.62W 0 4.1,3.9 **¶601852859**
ISCJB IX 27 16 24 17.1–.70 56.1S–.10 26.7W–.30 35 4.4b,3.9
NEIC IX 27 16 24 21.6–4.7 56.11S 26.76W 61–41 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=31.9km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=16.6km az=6.3.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=12.1km az=84.0.
IDC IX 27 21 02 45.6–1.2 55.76S 26.53W 0 4.0,3.8
¶601864311
IDC Error ellipse: s-maj=50.8km s-min=31.3km az=89.0.
ISC IX 29 16 13 24.1–.42 56.20S–.09 26.55W–.10 35 4.5b,3.5s 62 6-152
IDC IX 29 16 13 18.9–.53 56.23S 26.55W 0 4.5b,4.5 **¶601768538**
ISCJB IX 29 16 13 22.5–.47 56.09S–.07 26.6W–.20 35 4.5b,3.7s
NEIC IX 29 16 13 27.8–2.3 56.19S 26.76W 67–19 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=16.4km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=7.7km az=144.7.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=11.3km az=55.0.
ISC IX 30 14 34 29.9–.98 55.5S–.20 26.2W–.30 200 3.5b 10 17-150
ISCJB IX 30 14 34 28.3–.90 55.5S–.10 26.0W–.40 200 3.4b **¶601776105**
IDC IX 30 14 34 30.0–6.5 55.49S 26.10W 200–64 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.8km s-min=13.5km az=155.1.
IDC Error ellipse: s-maj=35.8km s-min=17.9km az=63.0.
ISC X 02 07 21 34.2–.83 56.2S–.10 26.1W–.10 10 4.2b 21 6-151
IDC X 02 07 21 31.7–1.2 56.18S 26.35W 0 4.0,3.8 **¶601780646**
ISCJB X 02 07 21 32.4–.62 56.11S–.09 26.3W–.10 10 4.4b,3.8
NEIC X 02 07 21 40.2–1.9 56.28S 26.18W 60–17 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=32.1km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=8.5km az=41.8.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.3km az=64.0.
ISC X 03 14 02 13.9–.93 59.5S–.10 24.8W–.20 10 3.8b 10 13-153
ISCJB X 03 14 02 11.9–.96 59.5S–.10 24.7W–.30 10 3.8b **¶601781858**
IDC X 03 14 02 11.8–1.1 59.36S 24.83W 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=13.8km az=157.5.
IDC Error ellipse: s-maj=38.2km s-min=30.9km az=147.0.
ISC X 07 22 09 33.6–.48 57.49S–.09 25.8W–.10 65 4.5b 69 15-155
ISCJB X 07 22 09 31.9–.40 57.46S–.06 25.8W–.20 65 4.5b **¶601795094**
NEIC X 07 22 09 34.0–1.8 57.45S 25.72W 67–15 4.7b
IDC X 07 22 09 34.7–5.7 57.47S 25.90W 72–51 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.2km az=148.6.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.6km az=223.0.
IDC Error ellipse: s-maj=29.4km s-min=14.4km az=58.0.

ISC X 09 04 19 05.6–.50 59.96S–.09 30.9W–.10 10 4.5b,3.7s 42 14-153
ISCJB X 09 04 19 03.9–.44 60.01S–.07 30.9W–.20 10 4.4b,3.7s **¶601819579**
IDC X 09 04 19 03.9–.75 60.09S 31.27W 0 4.3,4.3b
NEIC X 09 04 19 05.5–.37 59.94S 30.98W 10 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=8.1km az=155.3.
IDC Error ellipse: s-maj=31.6km s-min=19.3km az=40.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.8km az=58.0.
ISC X 09 22 14 13.9–.39 59.80S–.09 26.54W–.09 26 4.8b,3.9s 85 8-153
ISCJB X 09 22 14 11.5–.31 59.89S–.06 26.6W–.10 26 4.7b,4.0s **¶601819238**
IDC X 09 22 14 16.5–1.9 59.79S 26.61W 45–16 4.5,4.4
NEIC X 09 22 14 24.5–1.5 59.83S 26.78W 117–13 4.7b,4.4
BJI X 09 22 14 25.0 59.80S 26.60W 99 5.2b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.1km az=41.2.
IDC Error ellipse: s-maj=17.5km s-min=14.9km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.9km az=217.0.
ISC X 10 22 49 31.4–.28 60.31S–.07 26.68W–.07 20 5.4b,4.2s 228 8-170
IDC X 10 22 49 27.6–.42 60.34S 26.59W 0 5.0b,4.9 **¶601874142**
ISCJB X 10 22 49 29.2–.28 60.28S–.06 26.5W–.10 20 5.2b,4.2s
MOS X 10 22 49 32.9–1.2 60.36S 26.65W 41 5.4b,4.2s
NEIC X 10 22 49 33.0–.21 60.33S 26.57W 35 5.4b,4.2s
BJI X 10 22 49 34.1 60.30S 26.70W 40 5.6,5.6s
GCMT X 10 22 49 34.0–.20 60.88S–.01 26.10W–.03 18–1 5.1W,5.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c49; s90,c137;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.16 $M_{\theta\theta}$1.02±.13; $M_{\phi\phi}$0.44±.11; $M_{r\theta}$4.02±.42; $M_{\theta\phi}$3.44±.09; $M_{\phi r}$0.93±.25; Best double couple: NP1:ϕ_s261.00000°,δ80.00000°,λ-55.00000°. NP2:ϕ_s5.00000°,δ36.00000°,λ-163.00000°. Principal axes: T 6.0220,Plg27.0000° ,Azm324.0000°; N -1.1790,Plg34.0000°,Azm74.0000°; P -4.8410,Plg44.0000° ,Azm205.0000° M_o5.43200×10^{16}
ISC X 10 23 03 45.9–.41 60.30S–.09 26.80W–.09 20 4.9b,3.9s 85 8-153
ISCJB X 10 23 03 41.8–.39 60.56S–.08 26.4W–.20 20 4.7b,3.9s **¶601874143**
IDC X 10 23 03 42.0–.55 60.28S 26.54W 0 4.6,4.6b
NEIC X 10 23 03 46.8–.40 60.52S 26.43W 35 4.8b,4.6b
BJI X 10 23 03 48.4 60.40S 27.00W 37 5.6b,5.0s
GCMT X 10 23 03 49.8–.50 60.77S–.03 26.34W–.06 26–2 4.9W,5.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s66,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.04±.20 $M_{\theta\theta}$-1.72±.15; $M_{\phi\phi}$0.68±.12; $M_{r\theta}$1.35±.30; $M_{\theta\phi}$1.45±.09; $M_{\phi r}$0.78±.25; Best double couple: NP1:ϕ_s78.00000°,δ73.00000°,λ44.00000°. NP2:ϕ_s333.00000°,δ48.00000°,λ157.00000°. Principal axes: T 2.5620,Plg43.0000° ,Azm305.0000°; N 0.0850,Plg43.0000°,Azm95.0000°; P -2.6440,Plg15.0000°,Azm200.0000° M_o2.60300×10^{16}
ISC X 11 01 23 19.3–.68 56.1S–.10 27.9W–.10 121 4.2b 27 17-151
NEIC X 11 01 23 16.8–3.2 56.00S 27.87W 97–28 4.4b **¶601828949**
IDC X 11 01 23 16.8–8.6 55.94S 27.65W 93–78 5.2L,4.3
ISCJB X 11 01 23 17.6–.56 56.07S–.08 27.9W–.20 121 4.2b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 11 22 03 45.6–.28 56.32S–.07 25.78W–.06 33 5.2b,3.9s 194 6-158
IDC X 11 22 03 40.4–.38 56.28S 25.64W 0 4.9,4.8 **¶601826765**
ISCJB X 11 22 03 43.8–.25 56.32S–.05 25.74W–.08 33 5.1b,3.9s
NEIC X 11 22 03 43.9–1.4 56.32S 25.71W 21–9 5.1b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=12.7km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=38.2.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.2km az=214.0.
ISC X 16 07 00 17.5–.53 55.86S–.09 27.0W–.10 63 4.5b 36 6-152
ISCJB X 16 07 00 15.9–.46 55.81S–.06 27.0W–.10 63 4.5b **¶601837391**
NEIC X 16 07 00 18.8–1.7 55.84S 27.00W 77–15 4.3b
IDC X 16 07 00 21.6–8.4 55.80S 26.85W 104–79 4.5L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.6km az=155.4.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.0km az=64.0.
IDC Error ellipse: s-maj=30.5km s-min=19.2km az=41.0.
ISC X 16 20 26 18.4–.56 56.4S–.10 27.14W–.10 101 4.3b 36 6-151
ISCJB X 16 20 26 17.2–.51 56.42S–.08 27.3W–.10 101 4.3b **¶601837394**
IDC X 16 20 26 17.4–6.4 56.39S 27.10W 90–57 4.4L,4.3
NEIC X 16 20 26 18.3–1.1 56.42S 27.07W 99–9 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.3km az=39.2.
IDC Error ellipse: s-maj=30.1km s-min=17.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.2km az=46.0.
IDC X 17 18 07 18.1–1.2 56.21S 26.58W 0 4.0,3.9
¶601998692
IDC Error ellipse: s-maj=48.2km s-min=32.2km az=88.0.
ISC X 18 10 23 13.6–.59 55.54S–.10 27.51W–.09 10 4.7b,3.3s 44 5-153
ISCJB X 18 10 23 11.0–.56 55.49S–.08 27.2W–.20 10 4.5b,3.3s **¶601838844**
IDC X 18 10 23 11.2–.65 55.48S 27.06W 0 4.3,4.2
NEIC X 18 10 23 12.7–.25 55.48S 27.21W 10 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.6km az=142.7.
IDC Error ellipse: s-maj=28.1km s-min=17.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=225.0.
ISC X 20 18 08 59.5–.76 55.7S–.10 27.7W–.10 35 4.2b 22 5-151
IDC X 20 18 08 54.0–.83 55.70S 28.02W 0 4.6L,4.1 **¶601839933**
ISCJB X 20 18 08 58.1–.64 55.70S–.09 27.8W–.10 35 4.1b,4.1
NEIC X 20 18 09 06.2–2.2 55.87S 27.98W 97–21 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=21.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.5km az=40.2.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=11.9km az=67.0.
ISC X 20 23 47 32.5–.47 57.74S–.08 25.64W–.10 43 4.3b 34 15-152
ISCJB X 20 23 47 30.9–.43 57.61S–.07 25.7W–.20 43 4.3b **¶601839939**
IDC X 20 23 47 33.6–5.3 57.66S 25.65W 50–48 4.3,4.1
NEIC X 20 23 47 34.9–2.1 57.68S 25.64W 65–18 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=7.7km az=145.2.
IDC Error ellipse: s-maj=24.8km s-min=15.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.7km az=223.0.
ISC X 22 09 10 02.4–.79 55.5S–.10 26.6W–.10 38 4.1b,3.2s 21 6-150
IDC X 22 09 09 57.0–.87 55.51S 26.22W 0 4.1,4.0 **¶601842531**
NEIC X 22 09 09 58.3–.43 55.50S 26.46W 10 4.0b,4.0
ISCJB X 22 09 10 00.5–.61 55.48S–.08 26.7W–.20 38 4.5b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 22 09 55 57.7–.28 56.44S–.06 25.74W–.07 29 5.2b,4.1s 238 6-157
IDC X 22 09 55 52.9–.42 56.30S 25.58W 0 4.9,4.9b **¶601840875**
NEIC X 22 09 55 55.1–3.2 56.30S 25.59W 14–19 5.2b,4.9b
MOS X 22 09 55 55.9–1.2 56.42S 25.92W 25 5.2b,4.9b
ISCJB X 22 09 55 55.6–.26 56.31S–.05 25.68W–.09 29 5.1b,4.1s
BJI X 22 09 56 00.3 56.30S 25.70W 46 5.2b,5.1s
GCMT X 22 09 56 00.2–.30 56.38S–.03 25.31W–.03 21–1 5.0W,5.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s78,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.72±.20 $M_{\theta\theta}$0.06±.14; $M_{\phi\phi}$-2.78±.13; $M_{r\theta}$0.58±.25; $M_{\theta\phi}$0.83±.07; $M_{\phi r}$2.13±.20; Best double couple: NP1:ϕ_s3.00000°,δ64.00000°,λ107.00000°. NP2:ϕ_s147.00000°,δ31.00000°,λ58.00000°. Principal axes: T 3.6400,Plg66.0000° ,Azm304.0000°; N -0.0310,Plg16.0000°,Azm175.0000°; P -3.6090,Plg18.0000° ,Azm80.0000° M_o3.62500×10^{16}

ISC X 24 22 03 50.4–.99 56.0S–.20 27.6W–.30 112 4.0b 11 17-150
ISCJB X 24 22 03 49.1–.97 56.0S–.10 27.6W–.40 112 4.0b **¶601846978**
IDC X 24 22 03 49.3–9.9 55.90S 27.69W 100–91 4.6L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.4km s-min=14.4km az=157.5.
IDC Error ellipse: s-maj=37.2km s-min=25.7km az=74.0.
ISC X 25 10 27 40.0–.65 55.9S–.10 27.0W–.10 63 4.4b 25 6-151
IDC X 25 10 27 32.1–.77 55.85S 27.08W 0 4.8L,4.4 **¶601848718**
ISCJB X 25 10 27 39.0–.63 55.93S–.09 27.3W–.20 63 4.5b,4.4
NEIC X 25 10 27 43.6–2.0 55.98S 27.02W 96–18 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=19.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=10.4km az=154.4.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.4km az=56.0.
ISC X 26 04 15 31.7–.48 57.83S–.09 24.7W–.10 24 4.6b,3.7s 39 15-152
IDC X 26 04 15 27.4–.62 57.74S 24.64W 0 4.4,4.4b **¶601851587**
ISCJB X 26 04 15 29.8–.41 57.87S–.07 24.7W–.20 24 4.5b,3.7s
NEIC X 26 04 15 34.0–.42 57.79S 24.71W 35 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=16.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.0km az=151.5.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.5km az=52.0.
ISC X 26 22 16 53.7–.58 55.97S–.09 27.6W–.10 112 4.0b 23 17-151
ISCJB X 26 22 16 52.0–.51 55.99S–.07 27.7W–.20 112 4.1b **¶601852897**
NEIC X 26 22 16 52.6–2.2 55.94S 27.57W 101–21 4.4b
IDC X 26 22 16 52.5–7.5 55.93S 27.47W 98–69 4.8L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.8km az=147.3.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=50.0.
IDC Error ellipse: s-maj=34.1km s-min=17.4km az=61.0.
ISC XI 01 13 22 47.3–.84 55.5S–.20 27.5W–.30 10 3.9b 11 17-150
ISCJB XI 01 13 22 45.6–.82 55.4S–.10 27.4W–.40 10 3.9b,3.0s **¶601868130**
IDC XI 01 13 22 45.3–.91 55.41S 27.29W 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.1km s-min=12.1km az=152.4.
IDC Error ellipse: s-maj=39.5km s-min=23.4km az=65.0.
ISC XI 01 21 55 32.0–1.5 57.6S–.20 25.6W–.40 43 3.5b 8 15-152
IDC XI 01 21 55 25.6–1.3 57.60S 25.73W 0 3.6,3.6 **¶601868132**
ISCJB XI 01 21 55 30.4–1.9 57.6S–.10 25.6W–.80 43 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 03 13 19 04.3–1.9 60.7S–.20 24.1W–.50 10 7 12-149
IDC XI 03 13 18 58.5–1.4 59.91S 30.27W 0 4.7L,4.3 **¶601870062**
ISCJB XI 03 13 19 03.0–1.7 60.7S–.20 23.7W–.80 10 3.7b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 04 27 18.6–.48 55.89S–.08 27.64W–.08 112 4.6b 66 5-153
IDC XI 08 04 27 04.8–.66 55.84S 27.08W 0 4.6,4.5 **¶601880216**
ISCJB XI 08 04 27 16.7–.41 55.96S–.07 27.4W–.10 112 4.5b,4.5
NEIC XI 08 04 27 16.7–1.2 55.94S 27.38W 94–10 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=18.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=142.7.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=53.0.
ISC XI 08 18 15 22.1–1.0 56.9S–.20 23.8W–.30 10 3.8b 10 15-152
ISCJB XI 08 18 15 20.0–.92 57.0S–.10 23.8W–.50 10 3.8b **¶601882830**
IDC XI 08 18 15 21.1–1.1 56.84S 23.93W 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.0km s-min=11.7km az=154.2.
IDC Error ellipse: s-maj=44.6km s-min=23.6km az=73.0.
ISC XI 09 09 54 39.5–.47 56.47S–.06 27.53W–.05 116–3 5.2b 388 6-175
MOS XI 09 09 54 37.1–.96 56.45S 27.43W 101 5.1b **¶601882619**
ISCJB XI 09 09 54 37.9–1.3 56.35S–.05 27.36W–.09 112–12 5.2b
GCMT XI 09 09 54 38.8–.20 56.57S–.01 27.06W–.02 105–1 5.3W
BJI XI 09 09 54 39.3 56.40S 27.40W 109 5.5b
NEIC XI 09 09 54 39.8–.92 56.39S 27.34W 116–7 5.2b
IDC XI 09 09 54 40.9–1.1 56.38S 27.31W 126–8 5.1,4.7
ISC Event type se.
MOS Error ellipse: s-maj=19.5km s-min=10.2km az=106.3.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=139.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c117; s106,c171;Duration: 1$9$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.02 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$-0.13±.02; $M_{r\theta}$-0.59±.01; $M_{\theta\phi}$-0.67±.02; $M_{\phi r}$0.03±.01; Best double couple: NP1:ϕ_s262.00000°,δ71.00000°,λ129.00000°. NP2:ϕ_s13.00000°,δ43.00000°,λ28.00000°. Principal axes: T 0.9220,Plg48.0000° ,Azm214.0000°; N 0.1240,Plg37.0000°,Azm67.0000°; P -1.0450,Plg17.0000°,Azm324.0000° $M_0$0.98400×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=46.0.
IDC Error ellipse: s-maj=13.0km s-min=9.8km az=57.0.
ISC XI 09 15 29 40.2–.86 60.6S–.20 27.0W–.20 35 4.2b 12 13-153
IDC XI 09 15 29 37.7–1.2 59.93S 26.85W 0 4.4,4.3 **¶601883712**
ISCJB XI 09 15 29 38.1–.68 60.7S–.20 27.0W–.40 35 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 09 21 33 44.0–.62 56.0S–.10 26.4W–.10 35 4.0b 19 17-150
IDC XI 09 21 33 38.9–1.1 56.05S 26.26W 0 4.2,4.1b **¶601883717**
ISCJB XI 09 21 33 42.4–.49 56.01S–.08 26.5W–.20 35 4.3b,3.1s
NEIC XI 09 21 33 43.9–.35 56.05S 26.43W 35 4.3b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=26.2km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=9.1km az=150.2.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.6km az=50.0.
ISC XI 12 01 37 47.8–.78 54.7S–.10 27.6W–.20 10 4.0b 14 18-151
ISCJB XI 12 01 37 46.1–.78 54.7S–.10 27.5W–.30 10 4.0b **¶601890796**
IDC XI 12 01 37 46.5–.85 54.68S 27.63W 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.1km s-min=11.8km az=152.6.
IDC Error ellipse: s-maj=36.1km s-min=21.2km az=68.0.
ISC XI 13 16 10 11.3–.70 58.1S–.10 25.9W–.20 64 3.9b 24 7-152
IDC XI 13 16 10 02.9–.76 58.03S 25.95W 0 4.0,3.9 **¶601897472**
ISCJB XI 13 16 10 09.6–.68 58.1S–.10 25.9W–.30 64 3.9b,3.9
NEIC XI 13 16 10 12.5–1.7 58.12S 26.06W 77–15 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=21.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=9.3km az=146.3.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.6km az=58.0.
ISC XI 14 09 22 34.9–.68 56.2S–.10 27.1W–.10 63 4.4b 33 6-150
ISCJB XI 14 09 22 33.5–.50 56.15S–.08 27.1W–.10 63 4.4b **¶601901925**
IDC XI 14 09 22 36.1–7.5 56.21S 27.21W 74–69 4.7L,4.3
NEIC XI 14 09 22 40.1–1.3 56.26S 27.23W 111–11 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.1km az=38.8.
IDC Error ellipse: s-maj=33.3km s-min=15.4km az=61.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=52.0.
ISC XI 16 04 08 15.2–.49 59.04S–.09 25.1W–.10 18 4.3b,3.3s 52 14-155
IDC XI 16 04 08 12.6–.52 58.87S 25.25W 0 4.5L,4.2 **¶601909879**
ISCJB XI 16 04 08 13.3–.41 58.90S–.07 25.2W–.20 18 4.2b,3.3s
NEIC XI 16 04 08 15.3–3.6 58.91S 25.24W 18–22 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=17.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=7.8km az=148.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=218.0.
ISC XI 16 18 00 29.9–.38 55.84S–.08 26.82W–.07 35 4.9b 82 6-151
IDC XI 16 18 00 25.0–.55 55.67S 26.32W 0 4.6,4.5 **¶601909886**
ISCJB XI 16 18 00 28.1–.32 55.71S–.06 26.57W–.10 35 4.8b,4.4s
NEIC XI 16 18 00 30.0–.21 55.78S 26.58W 35 4.9b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=16.7km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.3km az=42.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.6km az=204.0.
ISC XI 17 02 28 40.8–1.5 59.6S–.20 27.1W–.40 10 3.6b,3.4s 7 14-152
IDC XI 17 02 28 36.4–1.2 59.13S 30.26W 0 3.9,3.7 **¶601909897**
ISCJB XI 17 02 28 38.8–1.7 59.6S–.20 27.1W–.70 10 3.6b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 18 14 26 36.1–.71 56.41S–.08 27.18W–.10 108–6 4.4b 50 6-151
IDC XI 18 14 26 35.8–.70 56.37S 27.18W 104–6 4.4,4.2 **¶601910095**
NEIC XI 18 14 26 35.9–.31 56.45S 27.13W 106 4.5b,4.2
ISCJB XI 18 14 26 36.7–1.7 56.41S–.09 27.3W–.20 128–16 4.4b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 23 02 32 32.1–.99 56.6S–.20 26.1W–.30 250 3.4b 8 16-151
ISCJB XI 23 02 32 30.2–1.0 56.7S–.20 25.7W–.50 250 3.4b **¶601993846**
IDC XI 23 02 32 32.8–10 56.48S 26.35W 250–106 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.1km s-min=15.9km az=158.3.
IDC Error ellipse: s-maj=38.3km s-min=22.1km az=77.0.
IDC XI 23 21 42 29.2–1.9 55.41S 29.11W 0 4.0,3.8 ¶602389910
IDC Error ellipse: s-maj=85.7km s-min=43.6km az=13.0.
ISC XI 25 12 33 17.5–.52 56.14S–.06 27.36W–.06 105–4 4.9b 335 6-162
ISCJB XI 25 12 33 15.1–1.3 56.08S–.05 27.30W–.10 96–12 4.8b **¶601994375**
IDC XI 25 12 33 17.5–.54 56.06S 27.18W 103–4 4.9,4.6
NEIC XI 25 12 33 17.5–.96 56.14S 27.25W 102–7 4.9b,4.6
BJI XI 25 12 33 18.2 56.20S 27.40W 109 5.3b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.9km az=139.8.
IDC Error ellipse: s-maj=14.3km s-min=11.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=50.0.
ISC XI 26 15 46 13.7–.81 56.7S–.10 26.1W–.20 33 4.8b,3.7s 25 6-151
IDC XI 26 15 46 09.1–1.0 56.49S 25.63W 0 4.2,4.1 **¶601994592**
NEIC XI 26 15 46 10.6–.54 56.60S 25.92W 10 4.5b,4.1
ISCJB XI 26 15 46 11.8–.62 56.6S–.10 25.6W–.30 33 4.6b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 27 15 40 55.8–.59 56.08S–.08 27.24W–.09 91–4 4.9b 126 6-159
ISCJB XI 27 15 40 53.7–1.9 56.06S–.08 27.2W–.20 85–17 4.8b **¶601994846**
IDC XI 27 15 40 55.8–.64 56.03S 27.10W 89–5 4.8,4.5
NEIC XI 27 15 40 55.9–.19 56.08S 27.28W 89 5.1b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=7.6km az=137.7.
IDC Error ellipse: s-maj=17.9km s-min=11.8km az=67.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.5km az=224.0.
ISC XI 27 21 04 36.9–1.2 57.9S–.20 25.1W–.40 40 10 15-152
IDC XI 27 21 04 30.9–1.1 57.74S 25.38W 0 3.8,3.7 **¶601994883**
ISCJB XI 27 21 04 35.6–1.8 57.9S–.10 24.8W–.90 40 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 29 23 27 14.9–.55 56.38S–.10 27.0W–.10 101 4.2b 25 18-151
ISCJB XI 29 23 27 13.6–.49 56.29S–.07 26.9W–.20 101 4.1b **¶602056179**
IDC XI 29 23 27 16.4–.79 56.25S 27.06W 111–6 4.2,3.9
NEIC XI 29 23 27 17.4–2.5 56.28S 26.99W 122–23 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=8.7km az=157.5.
IDC Error ellipse: s-maj=26.3km s-min=18.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.0km az=57.0.
ISC XII 02 03 25 53.2–1.4 58.8S–.20 24.8W–.50 28 8 14-153
IDC XII 02 03 25 48.3–3.9 58.95S 24.48W 0 4.0,4.0 **¶601995736**
ISC Event type ke.
IDC Error ellipse: s-maj=286.0km s-min=68.2km az=137.0.
ISC XII 03 03 11 09.2–1.1 58.90S–.06 25.43W–.07 30–7 5.0b,4.2s 236 8-160
ISCJB XII 03 03 11 04.4–.26 58.82S–.05 25.51W–.10 10 4.9b,4.3s **¶601995902**
NEIC XII 03 03 11 10.8–.98 58.86S 25.57W 41–8 4.9b,4.3s
IDC XII 03 03 11 11.0–2.4 58.75S 25.36W 40–20 4.8,4.6
GCMT XII 03 03 11 13.8–.40 59.03S–.03 24.75W–.04 37–1 5.0W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c50; s48,c62;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.40±.23 $M_{\theta\theta}$1.32±.18; $M_{\phi\phi}$-3.72±.14; $M_{r\theta}$-0.77±.21; $M_{\theta\phi}$0.13±.11; $M_{\phi r}$0.91±.18; Best double couple: NP1:ϕ_s337.00000°,δ58.00000°,λ60.00000°. NP2:ϕ_s204.00000°,δ42.00000°,λ128.00000°. Principal axes: T 2.8830,Plg64.0000° ,Azm195.0000°; N 0.9800,Plg25.0000°,Azm353.0000°; P -3.8630,Plg9.0000°,Azm87.0000° $M_0$3.37300×10^{16}
ISC XII 06 16 52 25.1–.35 56.14S–.07 27.47W–.06 112 4.7b 95 5-151
ISCJB XII 06 16 52 23.5–.28 56.06S–.05 27.33W–.08 112 4.8b **¶602000864**
BJI XII 06 16 52 25.9 56.10S 27.40W 107 5.2b
NEIC XII 06 16 52 25.9–1.2 56.11S 27.35W 121–11 4.9b
IDC XII 06 16 52 26.8–3.6 56.16S 27.39W 132–33 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.2km az=42.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=212.0.
IDC Error ellipse: s-maj=13.1km s-min=10.0km az=62.0.
ISC XII 06 23 11 27.9–.70 56.3S–.10 25.1W–.20 35 4.3b 17 16-151
IDC XII 06 23 11 23.1–.86 56.32S 25.12W 0 4.2,4.1b **¶602005991**
ISCJB XII 06 23 11 26.3–.65 56.28S–.09 25.1W–.30 35 4.2b,3.6s
NEIC XII 06 23 11 28.1–.39 56.32S 25.08W 35 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=20.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=10.4km az=153.9.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.9km az=61.0.
ISC XII 08 01 21 24.6–.52 56.75S–.09 26.82W–.10 100 4.5b 37 6-151
ISCJB XII 08 01 21 22.7–.47 56.70S–.08 27.0W–.20 100 4.3b **¶602032176**
IDC XII 08 01 21 24.5–5.9 56.80S 27.09W 103–54 4.1,3.9
NEIC XII 08 01 21 27.5–1.3 56.86S 27.05W 135–12 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=9.3km az=144.5.
IDC Error ellipse: s-maj=20.2km s-min=17.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.8km az=207.0.
IDC XII 09 14 58 29.2–3.9 56.80S 27.05W 0 4.2,4.0 ¶602390906
IDC Error ellipse: s-maj=132.6km s-min=50.8km az=174.0.
ISC XII 10 03 37 14.6–.93 55.7S–.20 25.7W–.30 10 3.8b,2.9s 10 17-151
ISCJB XII 10 03 37 13.0–.90 55.6S–.10 25.6W–.40 10 3.8b,2.9s **¶602390960**
IDC XII 10 03 37 12.7–1.2 55.76S 25.46W 0 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.6km s-min=11.9km az=154.1.
IDC Error ellipse: s-maj=42.6km s-min=29.1km az=74.0.
ISC XII 10 18 28 50.7–.78 60.4S–.20 25.7W–.20 19 4.3b 19 13-153
ISCJB XII 10 18 28 48.7–.69 60.5S–.10 25.9W–.40 19 4.6b **¶602034576**
IDC XII 10 18 28 49.6–2.8 60.08S 26.05W 0 4.2,4.0
NEIC XII 10 18 28 49.4–.53 60.57S 25.88W 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.9km s-min=10.9km az=149.4.
IDC Error ellipse: s-maj=108.1km s-min=41.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=13.8km az=57.0.
ISC XII 11 12 49 15.2–.84 59.7S–.20 26.4W–.30 35 4.0b 13 13-153
IDC XII 11 12 49 08.8–.86 59.60S 26.33W 0 4.2,4.1b **¶602036634**
ISCJB XII 11 12 49 12.9–.94 59.7S–.20 26.2W–.50 35 4.0b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 19 08 28 03.0–.00 59.5S–.10 24.1W–.30 10 3.9b 16 13-154
IDC XII 19 08 27 59.2–1.2 59.27S 25.91W 0 4.8L,4.2 **¶602052561**
ISC Event type ke.
IDC Error ellipse: s-maj=75.5km s-min=25.4km az=94.0.
ISC XII 22 23 24 15.8–.78 56.3S–.10 26.4W–.20 33 4.0b,3.1s 15 16-151
IDC XII 22 23 24 10.5–.77 56.31S 26.17W 0 4.3,4.2b **¶602391893**
ISCJB XII 22 23 24 14.8–.82 56.2S–.10 26.6W–.40 33 4.1b,3.1s
ISC Event type ke.

ISCJB Event type ke.
IDC XII 24 04 18 26.1–1.3 55.93S 26.93W 0 3.8,3.8b ¶602391967
IDC Error ellipse: s-maj=65.9km s-min=52.7km az=98.0.
ISC XII 27 02 51 29.5–1.1 57.9S–.20 25.3W–.40 40 10 15-152
IDC XII 27 02 51 23.7–.98 57.85S 25.12W 0 3.9,3.9 **¶602060872**
ISCJB XII 27 02 51 27.6–1.8 57.9S–.10 25.3W–.90 40 3.8s,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 15 14 49.0–.52 59.74S–.10 27.09W–.09 30 4.6b 40 7-152
IDC XII 27 15 14 45.4–.86 59.50S 26.95W 0 4.4,4.3b **¶602060880**
ISCJB XII 27 15 14 48.8–.42 59.34S–.06 27.0W–.10 30 4.5b,3.5s
NEIC XII 27 15 14 51.4–1.3 59.47S 27.01W 43–11 4.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=19.0km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.7km az=136.4.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.8km az=185.0.
ISC XII 28 19 50 42.3–1.2 58.6S–.20 24.8W–.40 28 9 14-153
IDC XII 28 19 50 37.9–1.2 58.56S 24.95W 0 3.8,3.7b **¶602064897**
ISCJB XII 28 19 50 40.8–1.8 58.6S–.10 24.7W–.90 28 3.6b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 30 03 47 19.4–.42 56.27S–.09 27.20W–.08 101 4.6b 76 6-152
ISCJB XII 30 03 47 18.2–.41 56.27S–.07 27.2W–.10 101 4.6b **¶602068835**
IDC XII 30 03 47 22.4–2.8 56.28S 27.16W 123–22 4.3,4.0
NEIC XII 30 03 47 22.7–.86 56.31S 27.28W 129–6 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.5km az=139.9.
IDC Error ellipse: s-maj=24.5km s-min=18.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.5km az=46.0.
ISC XII 30 06 27 39.6–.65 56.4S–.10 27.6W–.10 112 4.9b 30 6-151
IDC XII 30 06 27 24.2–1.4 56.77S 27.17W 0 4.5,4.4 **¶602068837**
ISCJB XII 30 06 27 38.2–.60 56.4S–.10 27.5W–.10 112 5.0b,4.4
NEIC XII 30 06 27 38.7–1.3 56.35S 27.47W 103–11 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=63.3km s-min=33.5km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.5km az=35.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.9km az=51.0.
ISC XII 31 12 10 26.4–.67 55.1S–.10 30.4W–.10 10 4.4b,3.8s 27 4-153
ISCJB XII 31 12 10 24.7–.59 55.2S–.10 30.4W–.10 10 4.3b,3.7s **¶602355697**
IDC XII 31 12 10 25.1–.68 55.11S 30.22W 0 4.2,4.1b
NEIC XII 31 12 10 26.2–.40 55.17S 30.44W 10 4.6b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=11.3km az=13.0.
IDC Error ellipse: s-maj=23.2km s-min=20.4km az=54.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.5km az=202.0.
ISC XII 31 12 51 13.9–.74 55.1S–.10 30.4W–.10 10 4.4b 32 4-153
ISCJB XII 31 12 51 12.5–.69 55.2S–.10 30.4W–.20 10 4.3b,3.7s **¶602358135**
IDC XII 31 12 51 12.3–.76 55.10S 30.28W 0 4.2,4.1b
NEIC XII 31 12 51 13.8–.43 55.19S 30.42W 10 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=13.5km az=7.1.
IDC Error ellipse: s-maj=28.5km s-min=22.1km az=81.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.7km az=184.0.

(154) South Shetland Islands.

ISC VIII 02 12 48 00.5–.78 60.8S–.10 57.2W–.30 10 4.1s,4.0b 14 22-164
ISCJB VIII 02 12 47 59.4–.69 60.7S–.10 56.9W–.50 10 4.1s,3.9b **¶601765347**
IDC VIII 02 12 47 59.4–.81 60.77S 56.87W 0 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.1km s-min=16.4km az=171.6.
IDC Error ellipse: s-maj=41.4km s-min=23.7km az=79.0.
ISC VIII 02 14 32 08.5–.41 61.42S–.07 58.52W–.10 10 4.8b,4.5s 59 4-164
ISCJB VIII 02 14 32 07.4–.38 61.45S–.05 58.6W–.20 10 4.7b,4.5s **¶601511885**
IDC VIII 02 14 32 07.0–.64 61.39S 58.42W 0 4.5,4.4b
NEIC VIII 02 14 32 08.3–.36 61.40S 58.26W 10 5.0b,4.4b
BJI VIII 02 14 32 12.0 61.40S 58.20W 20 5.4b,5.2s
GCMT VIII 02 14 32 13.3–.30 61.46S–.04 57.82W–.07 28–2 5.2W,5.2s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c44; s61,c75;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.36±.34 $M_{\theta\theta}$-3.25±.25; $M_{\phi\phi}$0.88±.26; $M_{r\theta}$-3.19±.42;
$M_{\theta\phi}$-1.76±.18; $M_{\theta r}$-4.96±.77; Best double couple: NP1:ϕ_s217.00000°,δ79.00000°,λ68.00000°.
NP2:ϕ_s102.00000°,δ24.00000°,λ152.00000°. Principal axes: T 6.8170,Plg51.0000°
,Azm103.0000°; N -0.0250,Plg21.0000°,Azm222.0000°; P -6.7970,Plg31.0000°
,Azm325.0000° M_o6.80700×10^{16}
ISC XI 02 18 58 38.6–.75 60.9S–.10 53.8W–.20 10 4.0b 17 22-145
ISCJB XI 02 18 58 37.3–.61 61.0S–.10 53.9W–.40 10 4.1b **¶602031584**
IDC XI 02 18 58 37.3–1.1 60.91S 53.76W 0 4.0,3.9
NEIC XI 02 18 58 42.0–.49 60.91S 53.99W 35 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=12.7km az=161.1.
IDC Error ellipse: s-maj=46.0km s-min=22.6km az=69.0.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=11.2km az=69.0.

(156) Southwestern Atlantic Ocean.

ISC IX 09 21 00 50.8–.42 52.63S–.08 13.56W–.09 10 4.3b,3.4s 68 14-154
ISCJB IX 09 21 00 48.7–.40 52.61S–.06 13.6W–.10 10 4.4b,3.5s **¶601698287**
IDC IX 09 21 00 49.3–.48 52.59S 13.45W 0 4.2,4.2b
NEIC IX 09 21 00 50.5–.25 52.62S 13.54W 10 4.6b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.5km az=0.3.
IDC Error ellipse: s-maj=17.5km s-min=16.9km az=89.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.0km az=156.0.

(732) East of South Sandwich Islands.

ISC VIII 04 04 57 10.3–.84 60.8S–.10 19.2W–.20 10 4.0b 14 11-152
ISCJB VIII 04 04 57 07.1–.80 60.89S–.09 19.4W–.40 10 4.0b,3.2s **¶601518306**
IDC VIII 04 04 57 08.3–1.2 60.61S 19.43W 0 5.0L,4.2
NEIC VIII 04 04 57 13.3–.51 60.71S 19.37W 35 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=10.0km az=159.3.
IDC Error ellipse: s-maj=37.6km s-min=32.0km az=47.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=13.1km az=58.0.
ISC IX 03 16 50 17.5–.90 58.2S–.10 21.6W–.20 10 4.1b 14 14-154
ISCJB IX 03 16 50 15.7–.90 58.24S–.10 21.6W–.40 10 4.1b **¶601674428**
IDC IX 03 16 50 15.7–1.4 58.23S 21.67W 0 4.4L,4.1
NEIC IX 03 16 50 17.7–.75 58.17S 21.47W 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.0km s-min=12.7km az=167.8.
IDC Error ellipse: s-maj=46.7km s-min=32.8km az=10.0.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=17.9km az=69.0.
ISC IX 23 03 21 28.3–.63 58.3S–.10 13.6W–.10 10 4.3b,4.1s 16 14-143
ISCJB IX 23 03 21 26.4–.54 58.25S–.09 13.6W–.20 10 4.1b,4.1s **¶601782820**
IDC IX 23 03 21 26.9–.81 58.21S 13.61W 0 5.1L,4.3
NEIC IX 23 03 21 28.3–.41 58.26S 13.56W 10 4.3b,4.3
GCMT IX 23 03 21 32.3–.20 58.45S–.01 13.42W–.02 16–1 5.1W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c96; s110,c176;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.12 $M_{\theta\theta}$-1.25±.13; $M_{\phi\phi}$1.25±.11; $M_{r\theta}$-0.34±.31;
$M_{\theta\phi}$5.08±.10; $M_{\theta r}$-0.07±.29; Best double couple: NP1:ϕ_s263.00000°,δ90.00000°,λ4.00000°.
NP2:ϕ_s173.00000°,δ86.00000°,λ180.00000°. Principal axes: T 5.2440,Plg3.0000°
,Azm128.0000°; N -0.0030,Plg86.0000°,Azm267.0000°; P -5.2410,Plg2.0000°,Azm38.0000°
M_o5.24300×10^{16}
ISC X 01 16 28 57.0–1.5 60.9S–.20 21.1W–.40 10 3.7b 9 11-93
IDC X 01 16 28 55.0–4.5 60.72S 20.92W 0 3.9,3.8b **¶601776274**
ISC Event type ke.
IDC Error ellipse: s-maj=392.7km s-min=34.0km az=98.0.
ISC XI 02 12 51 51.2–.70 60.8S–.10 20.5W–.10 10 4.1b,3.2s 20 11-87
ISCJB XI 02 12 51 48.7–.56 60.85S–.08 20.2W–.20 10 4.1b,3.3s **¶601869835**
IDC XI 02 12 51 50.3–1.1 60.60S 20.42W 0 4.0,3.9b
NEIC XI 02 12 51 51.4–.62 60.66S 20.32W 10 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=8.6km az=146.3.
IDC Error ellipse: s-maj=43.3km s-min=23.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.4km az=221.0.
ISC XI 19 04 09 27.1–.28 59.47S–.06 18.34W–.06 10 4.9b,4.7s 168 12-160
IDC XI 19 04 09 25.0–.38 59.31S 18.05W 0 5.0L,4.7 **¶601992825**
ISCJB XI 19 04 09 25.2–.26 59.38S–.05 18.11W–.10 10 4.9b,4.7s
NEIC XI 19 04 09 26.7–.22 59.39S 18.07W 10 5.1b,4.7s
GCMT XI 19 04 09 28.7–.10 59.48S–.01 17.71W–.01 12 5.3W,4.7s
MOS XI 19 04 09 29.9–1.4 59.41S 18.26W 34 5.0b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=13.6km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=139.6.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=205.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c115; s119,c215;Duration: 1$\hat{s}$1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$-0.09±.04;
$M_{\theta\phi}$-0.04±.01; $M_{\theta r}$0.18±.04; Best double couple: NP1:ϕ_s173.00000°,δ51.00000°,λ-97.00000°.
NP2:ϕ_s3.00000°,δ40.00000°,λ-82.00000°. Principal axes: T 1.0590,Plg5.0000°
,Azm267.0000°; N -0.1060,Plg5.0000°,Azm177.0000°; P -0.9530,Plg82.0000°,Azm42.0000°
M_o1.00600×10^{17}
MOS Error ellipse: s-maj=20.0km s-min=10.6km az=102.3.
ISC XII 02 15 10 53.4–.43 60.08S–.09 18.96W–.09 10 4.8b,4.0s 58 11-156
ISCJB XII 02 15 10 51.2–.40 60.17S–.06 18.9W–.10 10 4.7b,4.1s **¶601995824**
IDC XII 02 15 10 51.8–.55 60.02S 18.96W 0 5.4L,4.5
NEIC XII 02 15 10 53.5–.30 60.08S 18.99W 10 4.8b,4.5
GCMT XII 02 15 10 54.5–.30 60.30S–.03 18.43W–.04 19–1 5.0W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s83,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.53±.24 $M_{\theta\theta}$-0.40±.14; $M_{\phi\phi}$2.93±.16; $M_{r\theta}$-1.67±.37;
$M_{\theta\phi}$-0.42±.08; $M_{\theta r}$1.07±.25; Best double couple: NP1:ϕ_s148.00000°,δ63.00000°,λ-117.00000°.
NP2:ϕ_s16.00000°,δ38.00000°,λ-48.00000°. Principal axes: T 3.2890,Plg14.0000°
,Azm257.0000°; N 0.2420,Plg24.0000°,Azm161.0000°; P -3.5330,Plg62.0000°,Azm14.0000°
M_o3.41100×10^{16}

SEISMIC REGION 11.
New Zealand Region.

(158) Off west coast of North Island.

WEL VII 12 17 46 45.7 40S–4.0 173E–5.0 12 3.5L ¶605671095
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 23 18 53 19.7 39S–8.0 173E–5.0 12 3.6L ¶606594879
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XII 31 14 11 10.9–1.2 39.29S–.03 173.60E–.04 11–8 3.3s 175 0-149
ISCJB XII 31 14 11 08.7–.73 39.28S–.02 173.46E–.03 0–5 3.5b,3.3s **¶602092450**
WEL XII 31 14 11 11.8 39S–1.0 174E–2.0 10–1 5.2L,3.3s
IDC XII 31 14 11 15.4–5.9 39.52S 173.56E 31–46 4.1L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=35.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=27.0km s-min=21.5km az=114.0.
WEL XII 31 14 42 30.8 39S–1.0 174E–3.0 10–1 4.6L ¶606818883
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(159) North Island.

WEL VII 02 21 39 53.4 40.9S–.50 175.6E–.70 17–0 3.8L ¶605670954
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VII 07 00 50 26.7–.46 39.16S–.03 175.74E–.03 100–3 5.3b 439 0-179
BJI VII 07 00 50 23.7 39.64S 176.07E 91 5.8b,5.5b **¶601243864**
MOS VII 07 00 50 24.3–1.2 39.03S 175.78E 87 5.1b,5.5b
ISCJB VII 07 00 50 25.6–.13 39.12S–.02 175.76E–.03 99–1 5.2b,5.5b
WEL VII 07 00 50 26.8 39.1S–.80 176E–1.0 90–1 5.2b,5.5b
IDC VII 07 00 50 27.1–.80 38.94S 175.82E 102–8 5.1,4.9
NEIC VII 07 00 50 27.0–.00 39.07S 175.81E 91 5.7L,5.3b
GCMT VII 07 00 50 27.0–.20 39.11S 175.74E 104–3 5.0W,5.3b
ISC Event type fe.
MOS Error ellipse: s-maj=12.2km s-min=9.7km az=75.9.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=26.4.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=11.8km s-min=10.5km az=20.0.
NEIC Event type fe. Felt at Opotiki and Taihape. Felt widely on the North Island. After WEL.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s29,c34; s83,c114;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.03±.14 $M_{\theta\theta}$2.38±.15; $M_{\phi\phi}$-3.41±.14;
$M_{r\theta}$1.26±.09; $M_{\theta\phi}$-0.01±.13; $M_{\theta r}$-2.25±.09; Best double couple: NP1:ϕ_s143.00000°,δ81.00000°
,λ46.00000°. NP2:ϕ_s44.00000°,δ45.00000°,λ168.00000°. Principal axes:
T 3.3760,Plg37.0000°,Azm15.0000°; N 1.0110,Plg44.0000°,Azm151.0000°
; P -4.3860,Plg23.0000°,Azm265.0000° M_o3.88100×10^{16}
ISC VII 13 14 01 20.8–.57 38.61S–.03 176.93E–.03 71–4 4.4b 285 0-156
ISCJB VII 13 14 01 19.7–.19 38.60S–.02 176.99E–.03 75–1 4.4b **¶601272424**
IDC VII 13 14 01 20.4–.59 38.35S 176.99E 62–7 4.4,4.3
WEL VII 13 14 01 20.6 38.5S–.80 177.0E–.80 65–1 5.2L,4.3
NEIC VII 13 14 01 21.3–.00 38.52S 176.97E 61 5.3L,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=11.7.
IDC Error ellipse: s-maj=19.1km s-min=16.1km az=54.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the eastern part of the North Island. After WEL.
ISC VII 13 19 53 40.2–.70 38.64S–.02 177.94E–.03 29–4 4.1b 231 0-146
IDC VII 13 19 53 35.0–1.9 38.89S 177.91E 0 4.1,3.9 **¶601357555**
NEIC VII 13 19 53 41.8–.00 38.57S 177.84E 30 4.2L,4.1b
WEL VII 13 19 53 41.1 38.6S–.90 178E–1.0 32–1 4.7L,4.1b
ISC Event type fe.
NEIC Event type fe. Felt at Gisborne. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 13 21 34 06.1 38.6S–.80 178E–1.0 31–1 3.5L ¶605671111
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 15 09 31 05.6 39.7S–1.0 175.7E–.90 7–1 4.3L
NEIC VII 15 09 31 06.3–.00 39.70S 175.68E 4 4.1L **¶601357558**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the Manawatu area. After WEL.
ISC VII 17 01 35 15.7–.64 37.90S–.05 176.05E–.05 303–5 4.0b 328 0-155
ISCJB VII 17 01 35 14.9–.33 37.88S–.03 176.10E–.05 305–2 3.9b **¶601357564**
NEIC VII 17 01 35 14.4–.35 37.81S 176.17E 311–3 4.6b
IDC VII 17 01 35 14.6–.96 37.49S 176.37E 300–8 4.3,3.7
WEL VII 17 01 35 15.7 38S–3.0 176E–3.0 300–6 4.3,3.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Palmerston North and Silverstream.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 21 14 20 10.3 39S–3.0 175E–3.0 247–5
NEIC VII 21 14 20 11.8–.00 38.95S 174.95E 236 4.0L **¶601456908**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
ISC VII 22 03 40 37.4–.83 41.21S–.02 175.09E–.02 13–6 89 0-151
ISCJB VII 22 03 40 37.7–.33 41.23S–.02 175.07E–.03 9–3 3.4b **¶605671278**
WEL VII 22 03 40 37.0 41.2S–.60 175.1E–.40 8–0 3.5L

IDC VII 22 03 40 59.1–6.8 39.20S 174.32E 132–75 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=27.4.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=135.4km s-min=29.5km az=15.0.
WEL VII 24 22 21 14.6 39S–3.0 175E–4.0 222–4
NEIC VII 24 22 21 13.4–.00 38.65S 175.27E 229 4.0L **¶601468253**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
ISC VII 26 06 57 48.5–.52 40.54S–.02 176.17E–.03 30–3 4.9b,4.8s 301 0-179
BJI VII 26 06 57 44.1 40.73S 176.80E 32 5.4s,5.3b **¶601472513**
IDC VII 26 06 57 44.2–.52 40.31S 175.97E 0 4.8,4.6
ISCJB VII 26 06 57 46.7–.27 40.66S–.02 176.34E–.04 38–2 4.9b,4.8s
WEL VII 26 06 57 48.0 40.5S–.70 176E–1.0 27–1 5.4L,4.8s
NEIC VII 26 06 57 48.5–.00 40.50S 176.14E 28 5.2L,4.9b
MOS VII 26 06 57 49.1–1.1 40.32S 175.93E 33 5.1b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=20.3km s-min=14.4km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.4km az=33.2.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Feilding, Lower Hutt, Masterton, Pahiatua, Palmerston North, Wanganui and Wellington. After WEL.
MOS Error ellipse: s-maj=21.4km s-min=13.4km az=40.1.
WEL VII 26 07 00 05.4 40.5S–.70 176.1E–1.0 20–1 3.6L
¶605671365
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC VII 26 09 37 01.3–.00 39.85S 174.61E 109 4.1L
¶601472679
NEIC Event type se. After WEL.
WEL VII 29 20 06 48.0 38S–2.0 176E–2.0 166–3
NEIC VII 29 20 06 47.5–.00 38.49S 175.81E 172 4.2L **¶601488100**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 31 20 40 12.8 37S–3.0 177E–2.0 189–5
NEIC VII 31 20 40 13.8–.00 37.21S 176.63E 162 4.0L **¶601498290**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VIII 03 09 05 47.6–.97 37S–7.0 177E–6.0 216–8
NEIC VIII 03 09 05 46.3–.00 37.20S 176.89E 229 4.1L **¶601518134**
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. After WEL.
ISC VIII 04 10 03 11.4–.88 37.95S–.04 176.87E–.04 146–5 145 0-155
IDC VIII 04 10 02 52.1–1.8 37.39S 177.61E 0 3.7,3.5 **¶601765445**
ISCJB VIII 04 10 03 11.4–.45 37.97S–.03 176.86E–.04 146–3 3.2b,3.5
WEL VIII 04 10 03 12.1 38S–3.0 177E–2.0 138–2 3.2b,3.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VIII 06 05 06 36.8–.61 38.14S–.04 175.98E–.04 219–4 4.1b 318 0-155
ISCJB VIII 06 05 06 36.3–.27 38.20S–.02 175.97E–.04 222–2 4.2b **¶601529200**
IDC VIII 06 05 06 36.1–.54 38.33S 175.90E 202–6 4.1,3.7
WEL VIII 06 05 06 37.7 38S–3.0 176E–3.0 214–3 4.1,3.7
NEIC VIII 06 05 06 38.2–.00 38.12S 176.01E 209 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=17.4.
IDC Error ellipse: s-maj=21.1km s-min=16.0km az=146.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VIII 09 05 56 05.3 40.3S–.60 177E–1.0 16–0 3.6L
¶606597661
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 01 02 39 03.3–.63 38.25S–.05 175.93E–.05 221–5 3.6b 188 0-154
WEL IX 01 02 39 02.0 38S–2.0 176E–2.0 231–5 3.6b **¶601668334**
ISCJB IX 01 02 39 02.1–.28 38.18S–.03 175.90E–.05 227–2 3.7b
IDC IX 01 02 39 02.2–.50 37.89S 176.25E 216–5 4.1,3.6
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=8.4.
IDC Error ellipse: s-maj=23.7km s-min=12.8km az=50.0.
WEL IX 01 03 39 50.6 40.4S–.90 176E–1.0 21–1 3.6L
¶606597740
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 01 16 10 42.3–.83 41.50S–.03 175.06E–.03 32–5 174 0-148
IDC IX 01 16 10 38.3–2.9 41.33S 175.00E 0 3.9,3.9b **¶601670433**
ISCJB IX 01 16 10 41.4–.32 41.60S–.03 175.15E–.05 48–4 3.8b,3.9b
NEIC IX 01 16 10 43.4–.00 41.42S 175.00E 26 4.0L,3.9b
WEL IX 01 16 10 43.2 41.4S–.50 175.0E–.30 24–0 4.2L,3.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Wellington. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 06 20 07 26.3 40.1S–.70 176.6E–.90 41–1 3.8L
¶606597764
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 19 11 25 21.5 38.5S–1.0 178E–2.0 36–3 3.7L
¶606597816
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 20 06 32 34.7–.99 39.21S–.05 174.75E–.05 232–6 144 0-146
ISCJB IX 20 06 32 34.3–.39 39.18S–.03 174.70E–.05 233–3 3.0b **¶601863872**
IDC IX 20 06 32 34.3–1.1 39.17S 174.87E 213–18 3.7,3.3
WEL IX 20 06 32 35.4 39S–3.0 175E–3.0 231–4 3.7,3.3
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 24 07 19 09.6–.98 39.10S–.05 174.97E–.05 237–6 166 0-151
ISCJB IX 24 07 19 09.4–.47 39.04S–.04 174.86E–.06 242–4 3.0b **¶601864083**
IDC IX 24 07 19 09.9–1.9 38.61S 174.08E 150–32 3.7,3.3
WEL IX 24 07 19 11.4 39S–3.0 175E–3.0 232–5 3.7,3.3
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 26 17 07 45.1 37S–5.0 177E–2.0 212–6
¶606597854
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 27 20 08 38.2–.76 38.66S–.04 175.68E–.05 176–5 146 0-154
ISCJB IX 27 20 08 37.2–.42 38.64S–.03 175.69E–.04 183–4 3.6b **¶601864308**
IDC IX 27 20 08 37.1–.65 38.88S 175.84E 165–8 4.0,3.6
WEL IX 27 20 08 39.1 39S–1.0 176E–2.0 168–3 4.0,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 28 01 29 50.6 37S–4.0 177E–2.0 202–5
¶606597862
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 06 13 01 31.4 39.8S–.80 177E–1.0 51–1 3.7L
¶606594625
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 09 15 12 00.2–1.4 39.0S–.10 175.6E–.20 150 4.0b 24 1-154
IDC X 09 15 11 57.2–.61 38.49S 176.22E 144–11 4.1,3.8 **¶601997668**
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=25.9km az=27.0.
ISC X 15 00 05 39.1–.34 38.38S–.03 175.95E–.03 178–2 5.0b 421 0-179
NEIC X 15 00 05 36.1–.00 38.31S 175.99E 195 4.9b **¶601834066**
ISCJB X 15 00 05 37.9–.13 38.36S–.02 175.93E–.03 173–1 4.9b
WEL X 15 00 05 38.7 38S–1.0 176E–1.0 170–2 4.9b
IDC X 15 00 05 38.7–.43 38.05S 176.15E 174–3 5.0,4.6
GCMT X 15 00 05 41.1–.40 38.29S–.03 175.90E–.04 174–4 5.0W,4.6
ISC Event type fe.
NEIC Event type fe. Felt at Wellington. After WEL.
ISCJB Event type fe.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c24; s65,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.15 $M_{\theta\theta}$-1.22±.23; $M_{\phi\phi}$-1.07±.18; $M_{r\theta}$2.07±.14; $M_{\theta\phi}$-2.26±.20; $M_{\phi r}$-0.17±.12; Best double couple: NP1:ϕ_s74.00000°,δ65.00000°,λ124.00000°. NP2:ϕ_s196.00000°,δ41.00000°,λ40.00000°. Principal axes: T 3.5570,Plg56.0000° ,Azm29.0000°; N 0.1900,Plg30.0000°,Azm239.0000°; P -3.7460,Plg14.0000°,Azm140.0000° M_o3.65100×10^{16}
ISC X 16 03 32 35.7–1.1 38.56S–.04 175.86E–.05 180–6 125 0-151
IDC X 16 03 32 15.1–3.3 39.19S 176.78E 0 3.7,3.5 **¶601998442**
ISCJB X 16 03 32 38.3–.45 38.59S–.03 175.84E–.04 166–4 3.2b,3.5
WEL X 16 03 32 39.6 39S–1.0 176E–2.0 158–2 3.2b,3.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 16 14 06 09.2–.89 38.79S–.05 175.25E–.05 224–6 3.7b 144 0-145
IDC X 16 14 06 07.7–.78 38.74S 174.95E 185–12 4.2,3.8 **¶601998536**
ISCJB X 16 14 06 09.4–.38 38.79S–.03 175.26E–.05 219–3 3.7b,3.8
WEL X 16 14 06 09.9 39S–2.0 175E–4.0 220–3 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 16 23 42 56.4–.37 38.74S–.03 176.09E–.03 119–2 5.3b 861 0-179
NEIC X 16 23 42 54.0–.00 38.64S 176.12E 120 5.3b **¶606594746**
NEIC X 16 23 42 55.7–.00 38.64S 176.17E 110 5.7W,5.6W
ISCJB X 16 23 42 55.5–.11 38.69S–.02 176.10E–.02 112–1 5.4b,5.6W
WEL X 16 23 42 56.0 38.6S–.90 176E–1.0 108–2 5.4b,5.6W
GCMT X 16 23 42 58.7–.10 38.64S–.01 176.12E–.01 119–0 5.7W,5.6W
IDC X 16 23 43 01.4–1.1 38.45S 176.11E 159–9 5.3,5.0
MOS X 16 23 43 01.7–1.1 38.61S 175.90E 170 5.4b,5.0
ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-1.18 $M_{r\theta}$2.15 $M_{\theta\phi}$-0.11 $M_{\phi r}$-2.66 Best double couple: NP1:ϕ_s140.00000° ,δ90.00000°,λ71.00000°. NP2:ϕ_s49.00000°,δ19.00000°,λ179.00000°. Principal axes: T 3.5600,Plg42.0000°,Azm32.0000°; N 0.1200,Plg19.0000°,Azm140.0000° ; P -3.6700,Plg41.0000°,Azm248.0000° M_o3.60000×10^{17}
NEIC Event type fe. Felt [VI] at Taupo and [III] at Tauranga and Wellington. Also felt at Gisborne, Levin, Lower Hutt, Nelson, New Plymouth, Picton, Rotorua, Te Kuiti and Upper Hutt. After WEL. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-1.00 $M_{r\theta}$2.84 $M_{\theta\phi}$-0.16 $M_{\phi r}$-2.71 Best double couple: NP1:ϕ_s136.00000°,δ88.00000° ,λ79.00000°. NP2:ϕ_s34.00000°,δ11.00000°,λ168.00000°. Principal axes: T 4.2100,Plg46.0000°,Azm35.0000°; N -0.4100,Plg11.0000°,Azm136.0000° ; P -3.8000,Plg42.0000°,Azm236.0000° M_o4.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=42.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c241; s137,c319; Duration: 197 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.04 $M_{\theta\theta}$1.00±.06; $M_{\phi\phi}$-1.41±.05; $M_{r\theta}$2.91±.03; $M_{\theta\phi}$0.31±.05; $M_{\phi r}$-2.77±.03; Best double couple: NP1:ϕ_s134.00000°,δ87.00000° ,λ73.00000°. NP2:ϕ_s34.00000°,δ17.00000°,λ169.00000°. Principal axes: T 4.1810,Plg46.0000°,Azm27.0000°; N 0.0790,Plg17.0000°,Azm135.0000° ; P -4.2600,Plg40.0000°,Azm239.0000° M_o4.22100×10^{17}
IDC Error ellipse: s-maj=11.3km s-min=10.5km az=71.0.
MOS Error ellipse: s-maj=11.6km s-min=9.7km az=95.2.
WEL X 18 00 43 11.2 38.8S–.50 177.3E–.60 5–0 3.5L
¶606594794
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 19 06 42 15.7–.56 38.77S–.04 176.02E–.03 118–4 4.9b 295 0-163
NEIC X 19 06 42 13.8–.48 38.86S 176.11E 108–4 4.9b **¶606594813**
BJI X 19 06 42 13.0 38.21S 176.75E 100 5.5b,5.1b
ISCJB X 19 06 42 14.3–.16 38.71S–.02 176.07E–.03 114–1 4.8b,5.1b
GCMT X 19 06 42 14.9–.40 38.51S–.03 176.09E–.03 134–5 4.9W,5.1b
IDC X 19 06 42 14.9–.40 38.23S 176.54E 125–6 4.7,4.5
WEL X 19 06 42 15.1 38.6S–.90 176E–1.0 109–2 4.7,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s63,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.15 $M_{\theta\theta}$2.20±.19; $M_{\phi\phi}$-2.35±.17; $M_{r\theta}$1.23±.10; $M_{\theta\phi}$-0.11±.16; $M_{\phi r}$-1.56±.10; Best double couple: NP1:ϕ_s138.00000°,δ89.00000°,λ41.00000°. NP2:ϕ_s47.00000°,δ49.00000°,λ179.00000°. Principal axes: T 2.8990,Plg29.0000° ,Azm10.0000°; N 0.2390,Plg49.0000°,Azm139.0000°; P -3.1370,Plg27.0000°,Azm264.0000° M_o3.01800×10^{16}
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 21 16 39 09.8–.00 37.03S–.07 176.94E–.07 264–7 3.3b 114 1-150
ISCJB X 21 16 39 09.0–.75 36.96S–.05 177.02E–.08 273–5 3.2b **¶601999187**
IDC X 21 16 39 09.9–1.1 37.29S 177.15E 271–12 3.8,3.3
WEL X 21 16 39 10.4 37S–7.0 177E–3.0 254–9 3.8,3.3
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 22 08 19 58.0–.78 37.13S–.08 176.60E–.08 429–5 3.7b 178 0-156
ISCJB X 22 08 19 58.5–.56 37.14S–.04 176.59E–.08 431–4 3.5b **¶601999255**
WEL X 22 08 19 58.9 37S–7.0 177E–5.0 429–10 3.5b
IDC X 22 08 19 58.6–1.1 37.26S 176.59E 440–10 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.5km az=179.1.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=22.3km s-min=17.8km az=10.0.
ISC X 22 23 20 31.5–.98 39.29S–.04 175.09E–.04 155–5 128 0-146
IDC X 22 23 20 30.3–1.0 39.54S 175.34E 136–22 3.9,3.7 **¶601999316**
ISCJB X 22 23 20 31.7–.36 39.29S–.03 175.08E–.04 147–3 3.6b,3.7
WEL X 22 23 20 32.7 39S–2.0 175E–3.0 144–2 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 26 02 25 50.0 38S–3.0 176E–2.0 225–4
¶606594922
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 27 13 35 43.7–1.1 40.3S–.20 175.1E–.20 35 3.6b 13 3-152
ISCJB X 27 13 35 42.7–.95 40.3S–.10 174.9E–.20 35 3.7b **¶601999833**
IDC X 27 13 35 43.3–.99 40.40S 175.15E 38–6 4.0L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.2km s-min=6.9km az=41.5.
IDC Error ellipse: s-maj=29.3km s-min=19.9km az=146.0.
WEL X 28 22 04 06.6 40.3S–1.0 176E–1.0 62–2 3.6L
¶606594932
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 09 08 06 42.8 38.8S–.70 177.3E–.80 6–0 3.5L
¶606794270
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XI 12 10 05 21.9–.85 39.17S–.03 176.66E–.04 80–5 4.6b 201 0-151
IDC XI 12 10 05 17.9–4.0 39.27S 177.04E 34–24 4.3,4.3 **¶602063178**
ISCJB XI 12 10 05 21.4–.26 39.14S–.02 176.72E–.03 78–3 4.5b,4.3
NEIC XI 12 10 05 22.3–.00 39.07S 176.72E 72 4.6b,4.1L
WEL XI 12 10 05 23.1 39.0S–1.0 177E–1.0 63–1 4.5L,4.1L
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 14 21 46 43.9 39.6S–.60 176.7E–.70 22–1 3.8L
¶606794302
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 19 01 19 48.5 41S–1.0 177E–2.0 28–3 3.7L
¶606794320
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 22 06 35 52.5 40.5S–.60 176E–1.0 30–2 3.6L
¶606794334
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XI 30 02 36 08.0–.54 38.00S–.04 176.63E–.04 176–4 4.4b 271 0-164
IDC XI 30 02 36 05.4–.70 37.41S 176.89E 154–4 4.5,4.1 **¶601995341**

NEIC XI 30 02 36 06.0–.00 37.89S 176.71E 190 4.6L,4.4b
ISCJB XI 30 02 36 07.4–.23 37.96S–.02 176.63E–.04 174–1 4.4b,4.4b
WEL XI 30 02 36 08.6 38S–3.0 177E–3.0 161–3 4.4b,4.4b
ISC Event type se.
NEIC Event type se. After WEL.
ISCJB Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 30 15 17 55.9 39.6S–.80 175.6E–.80 25–1 3.7L
¶606794379
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XII 05 04 26 12.6–.98 37.49S–.06 176.58E–.06 250–6 3.4b 158 0-150
ISCJB XII 05 04 26 12.0–.56 37.44S–.04 176.61E–.06 253–4 3.4b **¶602390486**
WEL XII 05 04 26 12.9 37S–4.0 177E–3.0 243–6 3.4b
IDC XII 05 04 26 14.2–.90 37.39S 175.90E 203–22 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.1km az=160.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=44.5km s-min=21.4km az=140.0.
ISC XII 07 18 19 07.9–.20 38.36S–.03 176.07E–.03 171–1 5.6b 1839 0-179
NEIC XII 07 18 19 06.3–.11 38.43S 176.07E 163 6.4W,6.3W **¶602090156**
ISCJB XII 07 18 19 06.8–.10 38.33S–.02 176.05E–.02 169–1 5.6b,6.3W
BJI XII 07 18 19 06.5 38.15S 176.06E 160 6.0b,5.7b
IDC XII 07 18 19 07.1–.23 38.32S 176.48E 172–2 5.7,5.3
WEL XII 07 18 19 07.4 38S–2.0 176E–2.0 168–3 5.7,5.3
MOS XII 07 18 19 07.5–1.4 38.14S 176.07E 171 5.6b,5.3
NEIC XII 07 18 19 08.0–.00 38.23S 176.17E 170 5.6b,5.3
GCMT XII 07 18 19 13.2–.10 38.31S 176.08E 165–0 6.3W,5.3
NEIC XII 07 18 19 26.4–.00 38.21S 176.09E 163 6.3W,5.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=135.0. Felt [IV] at Hastings, Napier and Wellington; [III] at Palmerston North; [II] at Auckland and Tauranga. Felt widely in northern New Zealand from Auckland on the North Island to Havelock and Nelson on the South Island. Apparent Stress 0.04 MPa. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.33 $M_{r\theta}$3.54 $M_{\theta\phi}$-1.87 $M_{\phi r}$0.36 Best double couple: NP1: ϕ_s74.00000°,δ79.00000°,λ118.00000°. NP2:ϕ_s185.00000°,δ30.00000°,λ23.00000°. Principal axes: T 4.4400,Plg49.0000°,Azm14.0000°; N -0.3900,Plg27.0000°,Azm248.0000° ; P -4.0600,Plg28.0000°,Azm142.0000° $M_0$4.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s70.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm340.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm160.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=157.8.
IDC Error ellipse: s-maj=11.3km s-min=8.2km az=22.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=93.1.
NEIC Event type se. Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.25 $M_{r\theta}$3.13 $M_{\theta\phi}$-1.46 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s75.00000° ,δ81.00000°,λ118.00000°. NP2:ϕ_s181.00000°,δ29.00000°,λ18.00000°. Principal axes: T 3.9200,Plg46.0000°,Azm13.0000°; N -0.6300,Plg27.0000°,Azm250.0000° ; P -3.2900,Plg30.0000°,Azm142.0000° $M_0$3.60000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c365; s150,c580; Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}1.30±.02 $M_{\theta\theta}$0.22±.02; $M_{\phi\phi}$-1.52±.02; $M_{r\theta}$3.38±.02; $M_{\theta\phi}$-1.45±.02; $M_{\phi r}$0.58±.02; Best double couple: NP1:ϕ_s70.00000°,δ80.00000° ,λ116.00000°. NP2:ϕ_s179.00000°,δ28.00000°,λ21.00000°. Principal axes: T 4.2300,Plg48.0000°,Azm8.0000°; N -0.5410,Plg26.0000°,Azm245.0000° ; P -3.6870,Plg30.0000°,Azm139.0000° $M_0$3.95800×10^{18}
NEIC Event type se. Moment Tensor Solution. s62 Moment tensor: Scale 10^{18}Nm; M_{rr}1.07 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-1.62 $M_{r\theta}$2.76 $M_{\theta\phi}$-1.88 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s173.00000° ,δ38.00000°,λ18.00000°. NP2:ϕ_s69.00000°,δ79.00000°,λ127.00000°. Principal axes: T 3.7600,Plg43.0000°,Azm15.0000°; N -0.2000,Plg36.0000°,Azm241.0000° ; P -3.5500,Plg25.0000°,Azm131.0000° $M_0$3.60000×10^{18}
ISC XII 20 19 31 28.5–.57 38.55S–.04 176.09E–.04 119–4 4.3b 154 0-154
ISCJB XII 20 19 31 28.0–.21 38.52S–.03 176.11E–.04 117–2 4.3b **¶602055687**
NEIC XII 20 19 31 27.3–.43 38.83S 176.23E 118–4 4.5b
IDC XII 20 19 31 28.2–.49 38.29S 176.28E 121–5 4.3,4.1
WEL XII 20 19 31 28.5 38.5S–.90 176E–1.0 112–2 4.3,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 26 10 40 27.7 40.9S–.80 176E–2.0 34–1 3.6L
¶606818848
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XII 28 16 50 49.8–.91 38.72S–.03 176.14E–.04 121–5 162 0-151
IDC XII 28 16 50 47.5–1.7 39.15S 176.75E 110–8 3.7,3.5 **¶602380792**
ISCJB XII 28 16 50 49.8–.34 38.71S–.02 176.14E–.03 122–3 3.5b,3.5
WEL XII 28 16 50 51.5 38.6S–.90 176E–1.0 106–2 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(160) Off east coast of North Island.

WEL VII 01 16 46 51.5 36S–11 178E–5.0 252–9
NEIC VII 01 16 46 52.3–.00 35.79S 177.68E 222 4.1L **¶601224681**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 10 10 08 38.3 37S–6.0 177E–3.0 218–6
¶605671062
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC VII 10 21 08 05.6–.00 37.43S 177.45E 5 4.1L
¶601459414
NEIC Event type se. After WEL.
WEL VII 14 14 43 05.8 37S–2.0 177E–2.0 123–3
NEIC VII 14 14 43 08.3–.00 37.56S 177.19E 102 4.0L **¶601459415**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 18 05 25 54.7 37S–4.0 177E–3.0 152–5
NEIC VII 18 05 25 53.8–.00 36.95S 177.34E 143 4.0L **¶601404421**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
ISC VII 18 13 13 45.9–1.1 37.94S–.05 179.76E–.05 34–3 4.7b,3.6s 228 1-155
ISCJB VII 18 13 13 41.7–.75 37.78S–.04 179.91W–.06 33–5 4.6b,3.6s **¶601404610**
WEL VII 18 13 13 41.9 38S–11 180W–8.0 33 4.9L,3.6s
NEIC VII 18 13 13 47.5–1.5 37.57S 179.71E 52–11 4.7b,3.6s
BJI VII 18 13 13 47.4 37.53S 179.85E 55 5.1b,5.0s
IDC VII 18 13 13 48.0–2.1 37.54S 179.69E 53–15 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.1km az=152.7.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.0km az=59.0.
IDC Error ellipse: s-maj=18.9km s-min=11.4km az=14.0.
ISC VII 19 10 51 28.7–1.4 37.0S–.10 176.34E–.09 303 2.9b 53 1-96
IDC VII 19 10 51 26.9–4.4 36.69S 176.49E 294–85 3.5,3.3 **¶601405257**
ISCJB VII 19 10 51 28.1–.72 36.88S–.08 176.25E–.09 303 3.0b,3.3
NEIC VII 19 10 51 30.4–.00 36.73S 176.36E 275 4.0L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=217.6km s-min=28.8km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=9.7km az=139.0.
NEIC Event type se. After WEL.
ISC VII 21 04 54 07.5–.25 37.84S–.03 179.83E–.03 21–2 5.7b,5.4s 1295 1-177
MOS VII 21 04 54 03.2–.97 37.66S 179.76E 33 5.8b,5.3s **¶601456903**
ISCJB VII 21 04 54 04.9–.11 37.78S–.02 179.89E–.02 10 5.7b,5.4s
WEL VII 21 04 54 04.3 38S–9.0 180W–6.0 33 6.1L,5.4s
BJI VII 21 04 54 04.8 37.80S 179.70E 10 5.9b,5.6b
IDC VII 21 04 54 04.3–.28 37.64S 179.80E 0 5.4,5.4
NEIC VII 21 04 54 05.5–.00 37.71S 179.97W 12 5.8L,5.7b
GCMT VII 21 04 54 05.5–.10 37.69S 179.96W 15–0 5.7W,5.7b
ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=8.2km az=91.3.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.6km az=158.6.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=9.9km s-min=8.9km az=174.0.
NEIC Event type fe. Felt in the Bay of Plenty-Hawke's Bay area. After WEL. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52 $M_{\theta\theta}$-2.52 $M_{\phi\phi}$2.00 $M_{r\theta}$1.19 $M_{\theta\phi}$1.72 $M_{\phi r}$1.14 Best double couple: NP1:ϕ_s66.00000°,δ80.00000°,λ30.00000°. NP2:ϕ_s331.00000° ,δ61.00000°,λ168.00000°. Principal axes: T 3.3500,Plg28.0000°,Azm292.0000° ; N -0.0800,Plg59.0000°,Azm84.0000°; P -3.2700,Plg13.0000°,Azm195.0000° $M_0$3.30000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s107,c204; s118,c326;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.60±.05 $M_{\theta\theta}$1.58±.05; $M_{\phi\phi}$1.02±.05; $M_{r\theta}$0.19±.09; $M_{\theta\phi}$4.05±.04; $M_{\phi r}$1.35±.10; Best double couple: NP1:ϕ_s193.00000° ,δ66.00000°,λ-140.00000°. NP2:ϕ_s85.00000°,δ54.00000°,λ-30.00000°. Principal axes: T 5.5000,Plg8.0000°,Azm316.0000°; N -1.8990,Plg45.0000°,Azm219.0000° ; P -3.6010,Plg44.0000°,Azm54.0000° $M_0$4.55000×10^{17}
WEL VII 21 09 45 11.5 39.3S–.90 177E–2.0 31–1 3.7L
¶605671265
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VII 24 00 52 03.8–.70 37.7S–.10 179.73E–.09 29 4.5b 59 2-165
IDC VII 24 00 51 59.4–.95 37.30S 179.87E 0 4.5,4.3 **¶601521003**
NEIC VII 24 00 52 03.6–4.4 37.34S 179.83E 27–29 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=26.4km az=156.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=14.2km az=80.0.
ISC VII 24 19 06 28.4–1.2 37.87S–.05 179.89E–.05 19–4 5.1b 184 1-154
ISCJB VII 24 19 06 25.5–.36 37.68S–.04 179.95W–.03 10 5.1b **¶601468251**
NEIC VII 24 19 06 26.1–2.3 37.78S 179.91E 5–14 5.0b,4.4L
IDC VII 24 19 06 26.0–.84 37.47S 179.79E 0 4.2,4.1
WEL VII 24 19 06 28.1 38S–9.0 180W–6.0 33 4.5L,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC VII 26 07 01 01.1–4.2 36.85S 178.42E 0 4.1,3.8
¶606367028
IDC Error ellipse: s-maj=81.8km s-min=40.8km az=98.0.
ISC VII 26 07 19 14.9–.59 38.00S–.05 179.96E–.06 21 4.6b 163 1-165
ISCJB VII 26 07 19 09.2–.68 38.07S–.04 179.57W–.07 10 4.4b **¶601472677**
IDC VII 26 07 19 12.2–.78 37.59S 179.92E 0 4.5,4.3
NEIC VII 26 07 19 14.2–.00 37.63S 179.93W 12 4.6L,4.6b
BJI VII 26 07 19 14.0 37.90S 179.90W 33 5.1s,4.8
WEL VII 26 07 20 08.3 41S–44 176E–11 59–13 5.1s,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. automatic. confirmed.
ISC VII 27 00 17 01.8–1.3 38.00S–.07 179.87E–.07 29 52 1-151
NEIC VII 27 00 16 58.9–.00 37.61S 179.74W 30 4.1L **¶601479299**
IDC VII 27 00 16 59.5–2.7 37.08S 179.62E 0 4.3,4.0
ISC Event type se.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=84.2km s-min=31.0km az=146.0.
WEL VII 29 16 43 36.6 37S–6.0 177E–4.0 218–8
NEIC VII 29 16 43 37.6–.00 36.75S 176.86E 183 4.1L **¶601488098**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 31 15 36 42.8 37S–6.0 177E–4.0 316–8
NEIC VII 31 15 36 45.3–.00 37.04S 176.74E 289 4.3L **¶601498282**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
ISC VIII 02 00 44 05.5–.91 36.94S–.06 176.90E–.07 294–6 178 1-151
IDC VIII 02 00 44 04.9–2.3 37.05S 177.28E 295–29 4.1,3.7 **¶601506100**
ISCJB VIII 02 00 44 06.9–.66 36.96S–.05 176.91E–.08 288–5 3.6b,3.7
NEIC VIII 02 00 44 07.9–.00 36.56S 176.50E 236 4.2L,3.7
WEL VIII 02 00 44 10.0–.85 37S–9.0 177E–7.0 255–9 4.2L,3.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 02 05 17 15.0–1.6 37.95S–.05 179.94E–.09 59–12 5.1b,4.2s 397 1-176
BJI VIII 02 05 17 03.2 37.56S 179.16W 11 5.4b,5.2b **¶601503302**
NEIC VIII 02 05 17 08.6–.00 37.58S 179.60W 56 5.2L,5.1b
WEL VIII 02 05 17 10.5–1.3 38S–13 180W–7.0 33 5.3L,5.1b
GCMT VIII 02 05 17 11.6–.30 37.44S–.03 179.62W–.03 16–1 5.0W,5.1b
MOS VIII 02 05 17 14.3–2.0 37.40S 179.41E 33 5.3b,5.1b
ISCJB VIII 02 05 17 15.4–.56 38.13S–.03 179.79E–.05 73–4 5.0b,5.1b
IDC VIII 02 05 17 17.6–2.8 37.46S 179.67E 60–22 4.9,4.7
ISC Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s76,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01±.20 $M_{\theta\theta}$0.88±.14; $M_{\phi\phi}$2.12±.14; $M_{r\theta}$-0.66±.41; $M_{\theta\phi}$1.82±.09; $M_{\phi r}$-2.63±.46; Best double couple: NP1:ϕ_s21.00000°,δ66.00000°,λ-103.00000°. NP2:ϕ_s231.00000°,δ28.00000°,λ-63.00000°. Principal axes: T 4.3160,Plg19.0000° ,Azm121.0000°; N -0.2010,Plg12.0000°,Azm27.0000°; P -4.1210,Plg67.0000° ,Azm267.0000° $M_0$4.21900×10^{16}
MOS Error ellipse: s-maj=15.9km s-min=12.6km az=32.8.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=5.0.
IDC Error ellipse: s-maj=18.7km s-min=13.0km az=72.0.
ISC VIII 03 00 22 32.7–2.7 36.0S–.20 179.6E–.20 123–23 58 2-153
IDC VIII 03 00 22 29.0–7.8 35.89S 179.88E 75–68 4.2,4.2 **¶601765373**
WEL VIII 03 00 22 29.4–.97 36S–12 180E–13 153–17 4.2,4.2
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 03 11 48 42.6–1.3 35.61S–.10 179.9E–.20 76 4.6b 23 3-158
ISCJB VIII 03 11 48 33.3–1.1 35.60S–.07 179.4W–.20 50 4.5b **¶601765396**
IDC VIII 03 11 48 33.1–1.5 34.79S 179.94W 0 4.6,4.5
WEL VIII 03 11 48 34.0–1.2 36S–15 179W–15 134–42 4.6,4.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 05 21 48 13.8–2.1 36.9S–.20 179.8E–.20 200 21 1-150
IDC VIII 05 21 47 50.1–3.2 36.89S 179.57E 0 3.7,3.5 **¶601765519**
WEL VIII 05 21 48 24.7 38S–10 180W–10 33 3.6L,3.5
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VIII 05 21 55 08.1–2.7 37.5S–.10 179.9E–.10 15–13 27 1-151
IDC VIII 05 21 55 06.7–2.8 37.20S 179.89E 0 3.8,3.6 **¶601765520**
WEL VIII 05 21 55 09.2–1.3 38S–11 180W–7.0 33 3.7L,3.6
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 07 07 14 26.8–1.2 36.62S–.08 177.19E–.09 285–7 98 1-149
IDC VIII 07 07 13 48.2–5.8 36.45S 178.72E 0 4.6,4.4 **¶601765593**
ISCJB VIII 07 07 14 26.1–.80 36.63S–.06 177.22E–.09 290–5 3.9b,4.4
WEL VIII 07 07 14 28.5–.94 37S–8.0 177E–7.0 260–9 3.9b,4.4
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 09 19 31 31.1–.68 37.84S–.03 177.55E–.03 52–5 4.4b,3.6s 260 0-155
IDC VIII 09 19 31 23.0–.92 37.47S 177.67E 0 4.4,4.4b **¶601534305**
ISCJB VIII 09 19 31 30.4–.29 37.84S–.02 177.61E–.03 66–2 4.3b,4.4b
WEL VIII 09 19 31 31.3 38S–2.0 178E–1.0 40–2 4.6L,4.4b
NEIC VIII 09 19 31 31.6–.00 37.76S 177.58E 44 4.7L,4.5b
BJI VIII 09 19 31 31.0 38.00S 177.80E 59 4.9b,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=18.4km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=163.6.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the Opotiki area. After WEL.
WEL VIII 12 22 31 59.2–5.9 36S–40 179E–25 246–30

¶606597700

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. automatic. confirmed.
WEL VIII 13 23 27 49.2–1.1 37S–9.0 179E–8.0 33 3.9L

¶606635075

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VIII 15 02 09 06.8–5.8 36.32S 179.90E 0 4.1,3.8

¶601561878

IDC Error ellipse: s-maj=308.5km s-min=86.3km az=174.0.
IDC VIII 16 18 53 60.0–3.1 35.67S 179.74E 0 4.2L,3.9

¶601564866

IDC Error ellipse: s-maj=72.1km s-min=45.0km az=122.0.
ISC VIII 17 17 46 12.1–.75 37.19S–.04 178.31E–.05 10 4.6b 142 0-156
IDC VIII 17 17 46 10.2–1.7 37.11S 178.54E 0 4.7,4.4b **¶601565586**
ISCJB VIII 17 17 46 11.1–.64 37.54S–.03 178.57E–.06 10 4.5b,4.4b
NEIC VIII 17 17 46 18.7–.00 37.31S 178.17E 33 4.5b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=35.0km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=172.5.
NEIC Event type se. After WEL.
IDC VIII 19 03 08 46.3–3.1 36.86S 178.88E 0 4.1,3.9b

¶601565881

IDC Error ellipse: s-maj=68.3km s-min=31.2km az=123.0.
ISC VIII 21 02 05 31.8–.56 37.51S–.05 179.09E–.06 31 4.4b,3.8s 123 1-156
ISCJB VIII 21 02 05 28.8–.66 37.56S–.04 179.30E–.06 31 4.4b,3.7s **¶601606003**
NEIC VIII 21 02 05 29.8–.00 37.44S 179.22E 19 4.8b,4.6L
IDC VIII 21 02 05 35.6–2.3 37.32S 178.82E 55–17 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=165.9.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=20.4km s-min=12.2km az=7.0.
IDC VIII 24 07 04 26.7–1.8 36.64S 177.40E 235–22 4.5,4.1

¶601766392

IDC Error ellipse: s-maj=52.3km s-min=33.1km az=135.0.
NEIC VIII 25 01 56 49.6–.00 36.93S 176.35E 192 4.1L

¶601627603

NEIC Event type se. After WEL.
IDC VIII 25 04 56 56.5–3.1 35.44S 179.97E 0 4.0,3.8

¶601766431

IDC Error ellipse: s-maj=73.0km s-min=35.5km az=120.0.
ISC VIII 26 14 42 28.3–1.3 35.3S–.10 179.3E–.20 250 3.8b 11 3-153
ISCJB VIII 26 14 42 27.2–1.4 35.14S–.10 179.3E–.20 250 3.7b **¶601766505**
IDC VIII 26 14 42 27.8–3.2 35.17S 179.38E 243–34 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.7km s-min=10.7km az=17.6.
IDC Error ellipse: s-maj=46.6km s-min=24.7km az=0.0.
ISC IX 04 10 11 05.3–.82 37.94S–.04 177.57E–.04 62–5 4.4b 179 0-151
ISCJB IX 04 10 11 04.9–.37 37.90S–.03 177.61E–.04 70–3 4.3b **¶601673795**
WEL IX 04 10 11 05.7 38S–1.0 178E–1.0 42–3 4.1L
IDC IX 04 10 11 05.3–2.4 38.27S 177.61E 59–9 4.3s,4.3
NEIC IX 04 10 11 06.6–.00 37.81S 177.57E 39 4.6b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.1km az=156.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=38.5km s-min=25.5km az=116.0.
NEIC Event type se. After WEL.
WEL IX 11 00 02 20.6 38S–8.0 180E–8.0 33 3.6L

¶606597781

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 11 00 29 54.1–1.1 36.17S–.08 177.87E–.09 264–7 88 1-149
WEL IX 11 00 29 51.9 36S–11 178E–7.0 256–11 **¶601863323**
ISCJB IX 11 00 29 53.5–1.0 36.09S–.09 178.0E–.10 261–7 3.5b
IDC IX 11 00 29 53.4–3.2 36.27S 178.19E 260–34 4.2,3.8
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=13.1km az=145.1.
IDC Error ellipse: s-maj=69.8km s-min=36.0km az=1.0.
ISC IX 15 01 57 10.2–1.1 36.90S–.08 176.88E–.09 287–8 79 1-149
IDC IX 15 01 57 08.8–4.7 36.73S 177.11E 276–68 3.7,3.4 **¶601863564**
ISCJB IX 15 01 57 10.8–.83 36.94S–.07 176.8E–.10 288–7 3.2b,3.4
WEL IX 15 01 57 11.0 37S–8.0 177E–7.0 288–9 3.2b,3.4
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC IX 21 18 05 39.4–3.1 36.02S 179.46E 0 4.0,3.8b

¶601863964

IDC Error ellipse: s-maj=70.1km s-min=34.2km az=119.0.
WEL IX 22 03 20 40.4 38S–10 179E–7.0 33 3.7L

¶606597828

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 24 19 19 10.1 39S–2.0 179E–3.0 34–7 3.8L

¶606597840

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 24 21 10 03.6–1.9 38.54S–.04 178.81E–.07 28–13 85 0-155
IDC IX 24 21 10 00.9–1.4 38.53S 178.60E 0 4.1,3.9 **¶601864117**
ISCJB IX 24 21 10 02.2–.88 38.55S–.03 178.87E–.06 30–5 3.7b,3.9
WEL IX 24 21 10 03.3 39S–2.0 179E–3.0 29–6 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 26 11 09 48.2 38S–6.0 179E–4.0 33 3.8L

¶606597848

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 26 12 06 00.6 39S–3.0 179E–4.0 28–5 3.9L

¶606597849

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 27 22 44 42.7 37S–12 179E–9.0 33 4.2L

¶606597861

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 29 03 46 48.8–1.1 37.08S–.08 177.88E–.07 158–6 135 1-150
ISCJB IX 29 03 46 47.5–.78 37.02S–.05 177.95E–.07 161–4 3.3b **¶601857480**
WEL IX 29 03 46 47.5 37S–4.0 178E–3.0 145–4 3.3b
IDC IX 29 03 46 50.0–1.8 37.52S 178.14E 174–10 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.2km az=139.3.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=47.6km s-min=27.9km az=132.0.
WEL X 02 08 17 58.7–1.1 35S–8.0 179E–17 12 3.6L

¶606594582

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL X 03 22 49 56.4 38S–4.0 179E–3.0 33 3.6L

¶606594591

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 06 00 42 21.3 37S–3.0 178E–3.0 37–5 3.6L

¶606594629

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 06 00 45 11.0 38S–3.0 179E–3.0 21–4 3.8L

¶606594628

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 19 21 45 37.7 39S–12 179E–7.0 33 3.5L

¶606594807

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 20 12 13 12.7–1.7 38.62S–.03 178.88E–.06 9–9 4.0b,3.8s 150 1-155
WEL X 20 12 13 13.5 38S–5.0 179E–3.0 33 4.5L,3.8s **¶601999038**
IDC X 20 12 13 13.0–1.4 38.14S 178.64E 0 4.1,4.0b
NEIC X 20 12 13 14.4–.77 38.65S 178.54E 10 4.0b,4.0b
ISC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=36.5km s-min=21.6km az=24.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.8km az=99.0.
ISC X 20 12 19 56.6–1.4 38.51S–.03 178.64E–.07 18–4 3.6b 89 0-155
ISCJB X 20 12 19 54.8–1.0 38.51S–.03 178.86E–.07 32–9 3.7b **¶601999040**
WEL X 20 12 19 55.7 39S–5.0 179E–3.0 33 4.1L
IDC X 20 12 20 03.9–1.9 38.90S 176.65E 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.0km az=175.2.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=44.2km s-min=15.4km az=136.0.
WEL X 20 12 49 09.0 39S–4.0 179E–5.0 12 3.6L

¶606594826

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 20 12 55 23.3–1.5 39.2S–.20 177.8E–.30 32 3.9b,3.6s 10 1-154
IDC X 20 12 55 18.6–1.4 39.19S 177.78E 0 4.0,3.8 **¶601999044**
ISCJB X 20 12 55 21.8–2.0 39.3S–.10 177.7E–.40 32 3.8b,3.5s
ISC Event type ke.
ISCJB Event type ke.
WEL X 22 03 36 34.7 39S–2.0 179E–2.0 23–5 3.6L

¶606594863

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 22 12 46 43.6–.96 38.35S–.02 178.22E–.03 17–6 4.4b,3.8s 169 0-155
IDC X 22 12 46 40.7–1.1 38.38S 178.34E 0 4.5,4.4b **¶601999273**
NEIC X 22 12 46 42.1–.63 38.44S 178.27E 10 4.7L,4.3b
ISCJB X 22 12 46 43.3–.58 38.28S–.02 178.39E–.05 27–2 4.3b,3.8s
WEL X 22 12 46 44.4 38.3S–.90 178E–1.0 13–1 5.0L,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 22 12 52 00.6 38.3S–1.0 178E–2.0 13–2 3.6L

¶606594861

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 23 20 07 04.1 38.2S–.90 178E–1.0 16–1 4.0L

¶606594878

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 30 01 28 17.6 38S–4.0 179E–5.0 12 3.8L

¶606594958

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 30 13 12 30.2–.69 37.84S–.04 177.52E–.04 68–5 5.2b 319 0-167
MOS X 30 13 12 24.8–1.4 37.58S 177.72E 33 5.0b **¶601861593**
IDC X 30 13 12 28.8–1.3 38.00S 177.66E 64–8 5.0,4.9
NEIC X 30 13 12 29.9–.66 37.90S 177.73E 75–5 5.1b,4.9L
ISCJB X 30 13 12 29.4–.28 37.80S–.03 177.55E–.04 72–2 5.0b,4.9L
WEL X 30 13 12 30.8–.20 38S–2.0 178E–2.0 37–4 5.0b,4.9L
GCMT X 30 13 12 30.9–.40 37.87S–.03 177.69E–.03 65–3 4.8W,4.9L
ISC Event type fe.
NEIC Event type fe. Felt at Whakatane. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16} Nm; M_{rr}2.55 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$-0.98 $M_{r\theta}$-1.78 $M_{\theta\phi}$-1.65 $M_{\phi r}$0.12 Best double couple: NP1: ϕ_S29.00000°,δ36.00000°,λ53.00000°. NP2:ϕ_S252.00000°,δ62.00000°,λ114.00000°. Principal axes: T 3.3300,Plg65.0000°,Azm204.0000°; N -0.0800,Plg21.0000°,Azm60.0000° ; P -3.2600,Plg13.0000°,Azm325.0000° $M_0$3.30000×10^{16}
ISCJB Event type fe.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s64,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.24±.15 $M_{\theta\theta}$-0.81±.12; $M_{\phi\phi}$-0.43±.11; $M_{r\theta}$0.58±.09; $M_{\theta\phi}$-1.17±.08; $M_{\phi r}$1.28±.06; Best double couple: NP1:ϕ_S29.00000°,δ68.00000°,λ69.00000°. NP2:ϕ_S255.00000°,δ30.00000°,λ132.00000°. Principal axes: T 1.9330,Plg61.0000° ,Azm267.0000°; N 0.3460,Plg20.0000°,Azm37.0000°; P -2.2830,Plg20.0000°,Azm135.0000° $M_0$2.10800×10^{16}
IDC X 31 19 54 20.6–3.7 36.49S 178.65E 302–28 4.0,3.5

¶602000655

IDC Error ellipse: s-maj=65.4km s-min=55.1km az=17.0.
WEL XI 03 11 49 42.2 39.3S–.90 177E–1.0 31–2 3.9L

¶606794249

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XI 05 09 38 03.8–.78 37.90S–.04 177.56E–.04 52–6 4.1b,3.2s 193 0-155
IDC XI 05 09 37 54.5–2.2 37.54S 178.21E 0 4.4,4.2b **¶601875516**
ISCJB XI 05 09 38 03.9–.35 37.87S–.02 177.64E–.04 68–3 4.3b,4.2b
NEIC XI 05 09 38 04.9–.00 37.83S 177.56E 42 4.1L,4.2b
WEL XI 05 09 38 05.1 38S–1.0 178E–2.0 37–2 4.6L,4.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 06 16 05 54.4 38.2S–.70 178.2E–1.0 14–1 3.6L

¶606794265

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 07 04 52 03.5–.88 39S–5.0 179E–6.0 33 3.7L

¶606794267

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 09 10 08 57.9–.92 37.10S–.05 177.05E–.06 282–6 3.9b 183 1-150
IDC XI 09 10 08 56.5–1.4 37.05S 177.46E 281–11 4.3,3.7 **¶602389087**
ISCJB XI 09 10 08 57.4–.58 37.05S–.04 177.17E–.07 288–4 3.8b,3.7
WEL XI 09 10 09 01.3–.79 37S–7.0 177E–6.0 244–6 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 10 01 20 15.6 39.7S–.70 177E–1.0 49–1 3.6L

¶606794275

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 14 15 40 36.0 38S–2.0 179E–2.0 22–6 3.9L

¶606794300

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC XI 14 16 21 05.1–1.2 38.47S–.03 178.82E–.06 19–3 4.3b,4.0s 136 0-155
ISCJB XI 14 16 21 04.4–.84 38.50S–.02 178.88E–.06 30–5 4.2b,3.9s **¶602389395**
WEL XI 14 16 21 05.7–.81 38S–3.0 179E–6.0 33 5.0L,3.9s
IDC XI 14 16 21 08.9–4.5 38.64S 178.36E 30–24 4.2,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=176.2.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=39.9km s-min=33.9km az=39.0.
WEL XI 16 20 18 55.7–.93 38S–3.0 179E–6.0 20–6 3.7L

¶606794309

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 16 20 20 19.1–1.2 38S–5.0 179E–7.0 19–6 3.5L

¶606794310

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 17 16 50 30.1–.93 36.86S–.06 177.92E–.06 110–7 4.0b 132 1-156
IDC XI 17 16 50 26.9–4.7 36.80S 178.23E 108–37 4.2,4.0 **¶601909918**
ISCJB XI 17 16 50 27.5–.69 36.87S–.05 177.98E–.07 127–4 4.0b,4.0
WEL XI 17 16 50 28.2–.89 37S–6.0 178E–6.0 107–10 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 26 23 30 14.9 39S–1.0 178E–2.0 26–2 3.5L

¶606794350

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 28 04 20 32.1–1.4 38S–5.0 179E–10 25–9 4.2L

¶606794353

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 28 09 46 47.1–1.5 37S–13 179E–9.0 12 4.2L

¶606794356

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 29 19 08 17.6 37S–8.0 179E–11 12 3.5L

¶606794370

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 29 21 17 30.0–1.2 36S–7.0 179E–15 33 3.8L

¶606794371

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 30 12 32 29.6–1.1 37S–6.0 178E–6.0 26–12 3.6L

¶606794378

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 12 10 12 41.3–1.0 37.31S–.05 177.27E–.05 178–6 154 1-144

ISCJB XII 12 10 12 40.6–.68 37.30S–.04 177.33E–.06 182–4 3.8b ¶602391175
WEL XII 12 10 12 42.1 37S–3.0 177E–2.0 163–4 3.8b
IDC XII 12 10 12 42.4–1.6 37.80S 177.38E 184–9 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.5km az=140.1.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=50.5km s-min=25.5km az=125.0.
ISC XII 12 11 52 33.9–1.2 36.50S–.10 177.1E–.10 417–7 126 1-149
IDC XII 12 11 52 27.7–7.4 34.94S 177.41E 351–98 3.5,3.0 ¶602391182
WEL XII 12 11 52 32.8 36S–16 177E–8.0 435–28 3.5,3.0
ISCJB XII 12 11 52 33.3–.95 36.50S–.07 177.2E–.10 426–6 2.9b,3.0
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type ke.
ISC XII 16 15 20 23.2–3.3 38.18S–.05 180.0E–.10 20–18 4.0b 181 1-152
WEL XII 16 15 20 20.7 38S–14 180W–10 33 4.5L ¶606818802
NEIC XII 16 15 20 29.4–2.2 38.07S 179.47E 53–14 4.2b
IDC XII 16 15 20 31.4–5.0 38.31S 179.39E 71–33 4.2,4.2
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=16.8km az=89.0.
IDC Error ellipse: s-maj=53.3km s-min=36.5km az=116.0.
WEL XII 17 22 49 11.0 40S–6.0 179E–10 33 3.5L

¶606818806

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 19 16 25 18.6 38S–4.0 179E–3.0 34–6 3.5L

¶606818817

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 24 13 16 37.1 38S–8.0 180E–7.0 33 3.7L

¶606818836

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 24 19 37 50.7 38S–11 180E–10 33 3.5L

¶606818839

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 24 20 28 26.1 38S–12 180E–9.0 33 3.6L

¶606818841

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 26 16 43 44.4–.89 37S–7.0 179E–7.0 12 3.7L

¶606818852

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 28 14 18 11.5–1.4 38.35S–.04 178.41E–.10 29 3.9b 122 0-50
IDC XII 28 14 18 12.6–6.9 39.15S 177.09E 0 4.1,3.9 ¶602380785
WEL XII 28 14 18 15.6 38S–1.0 178E–2.0 71–3 4.3L,3.9
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(161) Off west coast of South Island.

ISC VII 05 13 57 57.6–.76 47.43S–.08 165.82E–.08 14 4.2b,3.5s 34 2-153
IDC VII 05 13 57 55.4–.87 47.34S 165.81E 0 4.2,4.1 ¶601663510
WEL VII 05 13 57 55.8 48S–18 166E–12 33 5.0L,4.1
ISCJB VII 05 13 57 56.1–.57 47.48S–.06 165.79E–.08 14 4.0b,3.5s
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type ke.
ISC VII 06 12 04 56.9–3.2 46.19S–.07 166.10E–.08 23–22 3.5b 46 1-145
IDC VII 06 12 04 53.2–1.2 46.15S 166.15E 0 3.8,3.8L ¶601663541
WEL VII 06 12 04 53.0 47S–17 166E–11 5 4.4L,3.8L
ISCJB VII 06 12 04 54.7–1.6 46.16S–.06 166.02E–.07 15–12 3.7b,2.9s
ISC Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type ke.
WEL VII 06 15 34 05.5 47S–21 166E–8.0 5 3.5L

¶605671008

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 18 12 44 46.7–1.3 49S–14 165E–13 5 4.8L

¶605671228

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VII 30 12 19 12.4–1.5 47S–8.0 166E–9.0 5 4.0L

¶605671456

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VII 31 01 19 00.8–1.2 47S–7.0 166E–8.0 5 4.7L
NEIC VII 31 01 18 59.2–.00 46.21S 165.81E 5 4.5L ¶601497478
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 31 02 35 27.8–1.3 46S–8.0 166E–8.0 12 3.7L

¶605671471

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 09 07 39 45.9–1.2 46.37S–.05 166.37E–.06 28–7 4.0b,3.9s 67 0-153
NEIC VIII 09 07 39 39.0–.00 46.40S 165.70E 33 4.9L,3.9s ¶601533187
WEL VIII 09 07 39 41.3–1.2 47S–6.0 166E–7.0 12 5.0L,3.9s
IDC VIII 09 07 39 44.4–1.1 45.49S 165.63E 0 4.3,4.1
ISC Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=47.1km s-min=23.6km az=173.0.
WEL X 16 14 01 04.6 46S–18 166E–8.0 5 3.9L

¶606594752

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 17 16 34 59.6 46S–20 166E–9.0 5 4.0L

¶606594767

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 20 01 31 32.6–2.7 46.9S–.10 166.0E–.10 48–27 25 1-153
IDC X 20 01 31 25.1–1.5 47.13S 166.09E 0 4.3,4.1 ¶601998993
ISCJB X 20 01 31 32.5–1.5 46.9S–.10 166.1E–.10 64–16 4.0b,4.1
WEL X 20 01 31 33.3 47S–9.0 166E–6.0 5 4.4L,4.1
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 30 05 44 35.2 46S–3.0 167E–3.0 63–3 3.5L

¶606594957

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 04 19 59 30.9–1.5 45S–6.0 167E–8.0 17–7 4.2L

¶606794260

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 19 19 38 58.8–1.7 46S–6.0 166E–10 20–6 3.6L

¶606794326

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 25 17 26 00.6–1.5 47S–9.0 166E–8.0 5 3.5L

¶606794340

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 27 19 46 52.4–1.0 45S–4.0 167E–7.0 5 4.3L

¶606794352

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 02 12 51 02.8–1.4 48S–12 165E–10 12 4.1L

¶606818729

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 23 14 22 37.9–1.4 48S–12 166E–10 5 4.1L

¶606818831

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 24 16 19 11.8–1.4 49S–11 165E–13 33 4.1L

¶606818837

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 27 07 11 44.4–1.2 46S–5.0 166E–7.0 5 3.9L

¶606818853

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(162) South Island.

WEL VII 03 11 07 00.9 44S–2.0 173E–1.0 8–1 4.0L

¶605670965

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 04 22 55 08.6 42S–1.0 173E–2.0 16–3 3.7L

¶605670988

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VII 06 03 29 31.2–.85 43.57S–.03 172.41E–.02 16–5 5.2b 200 0-153
IDC VII 06 03 29 29.8–1.4 43.40S 172.34E 0 4.5,4.3 ¶601243240
WEL VII 06 03 29 29.9 43.6S–.80 172.3E–.80 10–1 5.1L,4.3
ISCJB VII 06 03 29 30.3–.34 43.62S–.03 172.44E–.03 27–3 4.9b,4.7s
NEIC VII 06 03 29 30.9–.00 43.63S 172.33E 11 4.8L,4.8b
BJI VII 06 03 29 31.2 43.19S 172.93E 28 5.3b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=45.2km s-min=12.1km az=155.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.0km az=142.8.
NEIC Event type fe. Felt at Christchurch. After WEL.
ISC VII 07 17 58 19.9–1.3 44.45S–.03 167.76E–.04 3–8 3.9b 156 0-152
IDC VII 07 17 58 19.3–.61 44.50S 167.79E 0 4.2L,4.0 ¶601244009
NEIC VII 07 17 58 21.0–.00 44.51S 167.80E 12 4.5L,4.0W
WEL VII 07 17 58 21.8 45S–2.0 168E–3.0 12–2 4.5L,4.0W
ISC Event type fe.
NEIC Event type fe. Felt at Arrowtown, Queenstown, Te Anau and Wanaka. After WEL. Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ41.00000°,λ87.00000°. NP2: ϕ_s34.00000°,δ50.00000°,λ93.00000°. Principal axes: T 0.9900,Plg85.0000°,Azm328.0000° ; N 0.1600,Plg2.0000°,Azm212.0000°; P -1.1500,Plg5.0000°,Azm122.0000°
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 10 11 32 16.2 43.6S–1.0 172.6E–.90 9–1 4.8L

¶605671067

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VII 10 11 33 19.8–.82 41.40S–.03 173.80E–.03 58–5 147 0-152
ISCJB VII 10 11 33 19.1–.33 41.45S–.03 173.89E–.03 73–4 3.9b ¶601261438
WEL VII 10 11 33 19.5 41S–2.0 174E–2.0 61–3 4.6L
NEIC VII 10 11 33 19.4–.00 41.41S 173.76E 67 4.6L
IDC VII 10 11 33 20.9–1.3 41.09S 173.84E 75–14 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=145.8.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Christchurch. After WEL.
IDC Error ellipse: s-maj=29.1km s-min=9.7km az=132.0.
ISC VII 12 11 59 18.1–1.4 45.00S–.05 167.50E–.07 19–4 39 0-146
IDC VII 12 11 59 15.9–1.7 45.01S 167.46E 0 3.8,3.6 ¶601357553
ISCJB VII 12 11 59 17.0–1.1 44.96S–.03 167.42E–.07 18–7 3.3b,3.6
WEL VII 12 11 59 17.9 45S–4.0 168E–6.0 12 3.9L,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 12 20 56 01.8 42S–4.0 171E–3.0 12 3.7L

¶605671098

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 14 08 02 10.0 45S–4.0 168E–4.0 5 4.1L
NEIC VII 14 08 02 09.6–.00 44.52S 167.95E 5 4.0L ¶601357556
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in Queenstown. After WEL.
WEL VII 14 08 32 26.1 45S–9.0 168E–6.0 5 3.6L

¶605671134

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 15 00 03 46.7 44S–1.0 172E–1.0 5–1 3.6L

¶605671165

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 15 12 34 35.4 41S–9.0 172E–6.0 12 4.0L
NEIC VII 15 12 34 35.9–.00 41.49S 172.41E 5 3.9L ¶601357559
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Westport. After WEL.
WEL VII 18 00 49 28.2 45S–3.0 167E–3.0 71–3 3.9L

¶605671219

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 19 06 03 33.4 45S–2.0 168E–3.0 78–2 3.6L

¶605671234

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 23 14 36 59.3 45S–2.0 167E–4.0 59–6 3.6L

¶605671305

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 25 15 03 59.6 44S–4.0 168E–4.0 5 3.7L

¶605671335

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 27 23 36 11.7 43.5S–.80 172.8E–.80 12–0 3.7L

¶605671413

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VIII 03 23 07 23.5 43.6S–.70 172.5E–.70 10–1 4.0L
NEIC VIII 03 23 07 24.4–.00 43.63S 172.55E 12 4.0L ¶601518139
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VIII 04 09 26 04.1 43S–1.0 172.7E–.90 14–1 4.0L
NEIC VIII 04 09 26 04.8–.00 43.43S 172.82E 5 3.9L ¶601518145
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt at Christchurch. After WEL.
WEL VIII 05 14 36 54.1–.40 43S–2.0 173E–3.0 5 3.5L

¶606597620

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 09 08 03 05.6–.40 44S–2.0 173E–2.0 8–2 3.7L
NEIC VIII 09 08 03 05.9–.00 43.59S 172.76E 8 3.7L ¶601533189
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type fe. Felt at Christchurch. After WEL.
NEIC VIII 27 04 58 42.0–.00 42.44S 173.09E 8 4.0L

¶601627730

NEIC Event type se. After WEL.
ISC VIII 30 19 38 35.8–1.1 44.09S–.04 168.89E–.04 5–7 4.8b,4.2s 137 0-152
ISCJB VIII 30 19 38 34.5–.64 44.03S–.02 168.86E–.03 4–4 4.9b,4.2s ¶601664239
BJI VIII 30 19 38 34.8 43.84S 169.15E 6 5.5b,5.3s
NEIC VIII 30 19 38 35.6–.00 44.10S 168.72E 5 5.3L,4.9b
IDC VIII 30 19 38 40.5–2.5 43.70S 169.04E 31–20 4.5L,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=44.7.
NEIC Event type fe. Felt strongly at Haast and [IV] at Wanaka. Felt widely in the central and southern parts of the South Island. After WEL. Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ70.00000°,λ14.00000°. NP2:ϕ_s67.00000°,δ77.00000°,λ159.00000°. Principal axes: T 1.2600,Plg24.0000°,Azm23.0000°; N 0.0100,Plg66.0000°,Azm216.0000° ; P -1.2700,Plg5.0000°,Azm116.0000°
IDC Error ellipse: s-maj=19.9km s-min=14.5km az=40.0.
WEL IX 08 17 57 15.8 44S–4.0 169E–6.0 5 3.8L

¶606597770

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC IX 17 16 29 28.1–.75 43.28S–.03 170.45E–.03 10 57 0-148
ISCJB IX 17 16 29 27.9–.31 43.27S–.03 170.45E–.04 10 3.2b ¶601863716
WEL IX 17 16 29 27.3 43S–3.0 170E–3.0 5–1 4.0L
IDC IX 17 16 29 27.9–1.2 43.33S 170.38E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=44.2.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=41.1km s-min=8.9km az=35.0.
ISC IX 21 01 35 04.5–1.1 43.41S–.03 172.89E–.03 9–7 4.0b,3.5s 130 0-150
NEIC IX 21 01 35 03.0–.00 43.48S 172.81E 12 4.3L,4.0b ¶601767263
IDC IX 21 01 35 03.7–.95 43.22S 172.73E 0 4.1,4.0
ISCJB IX 21 01 35 04.2–.36 43.46S–.03 172.95E–.04 23–4 4.0b,3.5s
WEL IX 21 01 35 04.1 43S–2.0 172.8E–.80 13–1 4.4L,3.5s
ISC Event type fe.
NEIC Event type fe. Felt in the Christchurch area. After WEL.
ISCJB Event type fe.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 28 15 44 13.6 44S–1.0 172.8E–.90 12–1 3.9L

¶606597866

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 01 02 28 55.3 44S–1.0 172.8E–.70 10–1 3.5L
NEIC X 01 02 28 56.0–.00 43.50S 172.82E 5 3.6L ¶601775507

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in Canterbury. After WEL.
WEL X 03 15 44 40.7 43.6S–.60 172.4E–.90 12–1 3.9L
¶606594592

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 04 15 45 59.9 43.6S–.70 172.6E–.50 9–0 3.6L
¶606594604

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 09 22 51 20.0–.71 43.41S–.06 172.82E–.06 10 3.8b 30 0-153
ISCJB X 09 22 51 18.2–.65 43.46S–.07 172.92E–.09 10 3.8b **¶601841763**
NEIC X 09 22 51 19.0–.00 43.47S 172.78E 9 4.2L
IDC X 09 22 51 19.2–1.0 43.21S 172.70E 0 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=4.0km az=44.6.
NEIC Event type fe. Felt in Canterbury. After WEL.
IDC Error ellipse: s-maj=27.1km s-min=14.4km az=151.0.
ISC X 16 03 55 31.0–1.1 44.00S–.03 169.55E–.03 5–7 4.1b,3.4s 92 1-152
ISCJB X 16 03 55 30.3–.48 44.02S–.02 169.55E–.03 6–3 4.0b,3.4s **¶601998445**
NEIC X 16 03 55 30.2–.00 44.04S 169.54E 5 4.6L,4.2b
WEL X 16 03 55 31.0 44S–9.0 169E–6.0 5 4.8L,4.2b
IDC X 16 03 55 31.2–.76 43.91S 169.62E 0 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.6km az=136.6.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=30.3km s-min=10.5km az=174.0.
WEL X 21 15 24 08.3 43.5S–.80 172.1E–.90 11–1 3.7L
¶606594843

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 23 14 17 48.0–.88 43.52S–.04 172.91E–.04 27 94 0-150
ISCJB X 23 14 17 46.7–.32 43.57S–.04 172.99E–.05 27 3.6b **¶601999374**
IDC X 23 14 17 46.5–2.4 43.32S 172.85E 0 4.0,3.9L
WEL X 23 14 17 47.2 44S–1.0 172.8E–.60 14–0 4.2L,3.9L
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 24 20 29 20.9 44S–9.0 169E–6.0 5 4.1L
¶606594897

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 25 23 04 02.7 45S–3.0 167E–4.0 68–4 3.7L
¶606594909

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 05 12 13 44.3 45S–8.0 167E–9.0 5 3.9L
¶606794261

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 09 11 53 16.5 43S–1.0 172.8E–.80 15–1 3.7L
¶606794272

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 11 05 39 30.8–.47 44S–4.0 168E–4.0 5 4.0L
¶606794284

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 12 04 14 13.1–.93 44.99S–.05 167.60E–.05 94–7 44 0-146
IDC XI 12 04 14 02.3–1.6 45.61S 167.29E 0 4.2L,4.0 **¶602389271**
ISCJB XI 12 04 14 11.9–.52 44.97S–.05 167.63E–.07 99–5 3.6b,4.0
WEL XI 12 04 14 13.0 45S–2.0 168E–3.0 89–3 3.6b,4.0
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 19 12 02 48.1–.57 45S–3.0 168E–4.0 5 3.9L
¶606794322

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 20 01 44 45.7–.49 44S–3.0 168E–3.0 5 3.7L
¶606794327

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 28 21 21 21.0 44S–4.0 168E–4.0 33 3.8L
¶606794358

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 07 04 36 01.9 43.6S–.60 172.3E–.70 11–1 3.8L
¶606818748

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 14 19 08 17.3 45S–3.0 167E–3.0 69–3 3.7L
¶606818787

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 15 05 03 38.6 43.6S–.50 172.7E–.40 11–0 3.7L
¶606818791

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 18 18 47 56.7 42S–1.0 173E–3.0 40–3 3.7L
¶606818814

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 27 16 22 13.2 43.2S–.90 172E–2.0 6–1 3.6L
¶606818860

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 30 07 39 59.6 44S–1.0 172.1E–.80 10–1 3.9L
¶606818879

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(163) Cook Strait.

ISC VII 03 10 36 15.9–.18 40.06S–.02 173.66E–.02 239–1 5.8b 1599 1-179
ISCJB VII 03 10 36 14.1–.10 40.03S–.02 173.64E–.02 230–1 5.7b **¶601235877**
MOS VII 03 10 36 14.1–1.3 39.94S 173.69E 227 5.9b
WEL VII 03 10 36 14.2 40S–4.0 174E–4.0 241–5 5.9b
BJI VII 03 10 36 15.1 39.86S 173.74E 236 5.5b,5.4b
GCMT VII 03 10 36 15.5–.10 40.05S 173.63E 230–0 6.3W,5.4b
NEIC VII 03 10 36 15.5–.00 40.02S 173.76E 230 6.3W,6.3W
NEIC VII 03 10 36 16.0–.00 40.06S 173.70E 230 6.3W,6.3W
IDC VII 03 10 36 16.5–.26 40.04S 173.65E 240–2 6.0,5.5b
NEIC VII 03 10 36 47.0–.00 39.17S 173.68E 267 6.0,5.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=44.4.
MOS Error ellipse: s-maj=9.5km s-min=7.1km az=95.5.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s147,c360; s143,c572;Duration: 3s5 Moment tensor: Scale 10^{18} Nm; M_{rr}0.36±.01 $M_{\theta\theta}$0.88±.02; $M_{\phi\phi}$-1.25±.02; $M_{r\theta}$2.80±.01; $M_{\theta\phi}$0.31±.02; $M_{\phi r}$-2.07±.01; Best double couple: NP1:ϕ_s128.00000°,δ87.00000°,λ72.00000°. NP2:ϕ_s30.00000°,δ18.00000°,λ172.00000°. Principal axes: T 3.7380,Plg45.0000°,Azm21.0000° ; N -0.1480,Plg18.0000°,Azm129.0000°; P -3.5940,Plg40.0000°,Azm235.0000° M_o3.66600×10^{18}
NEIC Event type fe. Felt [V] at Blenheim, Kapiti and Porirua. Felt in most of New Zealand from Auckland and Bay of Plenty to Otago and Southland. Depth from broadband displacement seismograms. Energy computed from BB mechanism. After WEL. Moment Tensor Solution. M_o4.60000×10^{18} Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-1.02 $M_{r\theta}$2.74 $M_{\theta\phi}$-0.55 $M_{\phi r}$-2.08 Best double couple: NP1:ϕ_s311.00000°,δ88.00000°,λ-75.00000°. NP2:ϕ_s49.00000°,δ15.00000°,λ-172.00000°. Principal axes: T 3.9500,Plg41.0000°,Azm28.0000°; N -0.7900,Plg15.0000°,Azm131.0000° ; P -3.1700,Plg45.0000°,Azm236.0000° M_o3.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s22.00000°,δ16.00000°,λ161.00000°. NP2:ϕ_s130.00000°,δ85.00000°,λ75.00000°. Principal axes: T Plg48.0000°,Azm24.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm233.0000°
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{18}Nm; M_{rr}0.29 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-1.42 $M_{r\theta}$2.85 $M_{\theta\phi}$0.28 $M_{\phi r}$-2.12 Best double couple: NP1:ϕ_s129.00000°,δ88.00000°,λ70.00000°. NP2:ϕ_s34.00000°,δ20.00000°,λ175.00000°. Principal axes: T 3.8800,Plg43.0000°,Azm19.0000°; N -0.1800,Plg20.0000°,Azm129.0000° ; P -3.6900,Plg39.0000°,Azm237.0000° M_o3.80000×10^{18}
IDC Error ellipse: s-maj=6.9km s-min=5.3km az=47.0.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{18}Nm; M_{rr}0.34 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.27 $M_{r\theta}$2.18 $M_{\theta\phi}$0.74 $M_{\phi r}$-1.55 Best double couple: NP1:ϕ_s125.00000°,δ86.00000°,λ65.00000°. NP2:ϕ_s26.00000°,δ26.00000°,λ170.00000°. Principal axes: T 2.8900,Plg43.0000°,Azm10.0000°; N 0.2000,Plg25.0000°,Azm127.0000° ; P -3.1000,Plg36.0000°,Azm237.0000° M_o3.00000×10^{18}
ISC VII 03 10 44 59.3–.98 40.04S–.04 173.70E–.05 240–6 186 1-146
ISCJB VII 03 10 44 59.5–.39 40.01S–.03 173.64E–.05 236–3 3.5b **¶601357546**
IDC VII 03 10 44 59.6–1.5 40.10S 173.87E 233–23 4.1,3.7
WEL VII 03 10 45 00.1 40S–3.0 174E–5.0 239–6 4.1,3.7
NEIC VII 03 10 45 01.3–.00 40.03S 173.72E 228 4.6L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=29.6.
IDC Error ellipse: s-maj=53.2km s-min=23.8km az=144.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 11 22 54 31.4 41.1S–.60 174.9E–.80 29–0 3.8L
NEIC VII 11 22 54 31.8–.00 41.11S 174.91E 28 3.8L **¶601272588**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type fe. Felt in the southern part of the North Island. After WEL.
WEL VII 19 17 34 39.6 41S–4.0 173E–3.0 12 4.2L
NEIC VII 19 17 34 39.1–.00 40.56S 173.34E 3 4.1L **¶601453187**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VII 21 04 14 14.2 41S–4.0 173E–3.0 12 3.7L
¶605671259

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 30 12 43 41.5 40.1S–.90 175E–1.0 27–2 3.7L
¶605671457

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VIII 03 04 15 29.3 40S–3.0 174E–4.0 176–5
¶606597579

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL IX 15 09 51 59.8 42S–1.0 174E–2.0 43–1 3.5L
¶606597799

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 01 06 51 16.8 40S–1.0 175E–1.0 65–3 3.5L
¶606594567

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 23 13 06 32.0 42S–1.0 174.3E–.80 16–1 3.6L
¶606594883

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 28 12 44 34.5–1.2 40.3S–.20 175.0E–.20 35 8 3-152
IDC X 28 12 44 29.1–1.5 40.30S 174.99E 0 3.9,3.9L **¶602000062**
ISCJB X 28 12 44 32.7–1.0 40.3S–.20 175.0E–.20 35 3.5b,3.9L
ISC Event type ke.
ISCJB Event type ke.
WEL X 29 07 34 22.9 40S–1.0 175E–2.0 19–3 3.7L
¶606594940

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 19 13 56 02.1 40.5S–.80 175E–1.0 28–2 4.0L
¶606794323

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 25 22 57 38.4 41S–2.0 174E–2.0 66–3 3.7L
¶606794341

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 28 06 13 28.0 41S–2.0 174E–2.0 62–1 3.9L
¶606794355

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 10 02 24 07.4 41.7S–.90 174E–1.0 35–1 4.0L
¶606818762

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 10 18 10 21.1 40S–3.0 175E–2.0 39–3 3.6L
¶606818767

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 13 05 26 58.0 41.4S–.50 175.0E–.50 23–0 4.1L
¶606818779

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 16 13 39 27.8 41.4S–.60 175.0E–.50 24–1 4.2L
¶606818801

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 20 17 05 14.7 40.2S–.90 175E–2.0 24–4 4.0L
¶606818819

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 27 16 18 44.2 42S–1.0 174E–2.0 22–2 3.5L
¶606818856

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(164) Off east coast of South Island.

WEL VIII 04 07 44 46.2–.62 43S–4.0 176E–4.0 33 4.5L
NEIC VIII 04 07 44 45.5–.00 42.48S 175.70E 12 4.4L,3.9b **¶601518309**
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. After WEL.
ISC VIII 18 08 37 18.7–.74 43.23S–.04 175.26E–.04 35 4.2b 150 2-151
ISCJB VIII 18 08 37 14.2–.40 43.35S–.03 175.48E–.05 33 4.0b,3.1s **¶601565599**
IDC VIII 18 08 37 14.9–1.2 43.10S 175.10E 0 4.2,4.1
NEIC VIII 18 08 37 18.3–.00 43.23S 175.15E 33 4.7L,4.3W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.6km az=40.6.
IDC Error ellipse: s-maj=32.8km s-min=20.5km az=75.0.
NEIC Event type se. After WEL. Moment Tensor Solution. s31 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.22 $M_{\theta\theta}$2.96 $M_{\phi\phi}$-2.74 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.04 $M_{\phi r}$0.85 Best double couple: NP1:ϕ_s226.00000°,δ76.00000°,λ-170.00000°. NP2:ϕ_s133.00000°,δ80.00000°,λ-14.00000°. Principal axes: T 2.9700,Plg3.0000°,Azm180.0000°; N 0.0300,Plg73.0000°,Azm279.0000° ; P -3.0000,Plg17.0000°,Azm89.0000° M_o3.00000×10^{15}
ISC IX 15 17 32 39.3–1.3 42.43S–.03 174.17E–.04 20–5 4.7b 125 0-150
IDC IX 15 17 32 37.0–1.9 42.33S 174.02E 0 4.1,3.9 **¶601839209**
ISCJB IX 15 17 32 39.4–.62 42.47S–.03 174.17E–.04 31–5 4.8b,3.9
NEIC IX 15 17 32 39.3–1.4 42.36S 174.11E 20–8 4.8b,3.9
WEL IX 15 17 32 39.9 42.4S–1.0 174E–3.0 38–6 3.9L,3.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 13 10 07 52.5 43S–8.0 177E–9.0 33 3.7L
¶606594721

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

(165) North of Macquarie Island.

ISC XII 12 14 17 01.9–.85 51.1S–.10 158.6E–.10 35 4.0b,3.7s 28 3-152
IDC XII 12 14 16 57.7–2.1 50.95S 158.97E 0 4.1,3.9 **¶602057896**
ISCJB XII 12 14 16 59.6–.71 51.08S–.09 159.0E–.10 33 4.0b,3.6s
NEIC XII 12 14 16 59.5–.58 51.16S 158.38E 10 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=40.8km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.1km az=156.5.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.5km az=99.0.

(166) Auckland Islands region.

WEL X 27 09 01 30.4–1.3 49S–14 165E–13 12 4.8L
¶606594930

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL X 27 09 19 57.0–1.5 49S–16 165E–17 12 4.4L
¶606594929

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

(167) Macquarie Island region.

IDC VIII 04 23 36 34.2–3.1 55.09S 160.12E 0 4.2,3.9b
¶601765474
IDC Error ellipse: s-maj=227.7km s-min=44.7km az=61.0.
IDC IX 05 01 31 54.2–2.8 55.13S 160.09E 0 3.9,3.6
¶601862962
IDC Error ellipse: s-maj=247.4km s-min=54.7km az=57.0.
ISC X 05 05 55 35.5–.55 52.75S–.06 160.45E–.08 10 4.2b,3.7s 65 2-150
ISCJB X 05 05 55 34.4–.38 52.63S–.05 160.42E–.08 10 4.2b,3.6s **¶601825822**
IDC X 05 05 55 35.9–.87 52.72S 159.98E 0 4.4,4.3
NEIC X 05 05 55 36.5–.39 52.67S 160.21E 10 4.3b,4.3
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=41.9.
IDC Error ellipse: s-maj=28.2km s-min=16.7km az=88.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=138.0.

SEISMIC REGION 12.
Kermadec-Tonga-Samoa Area.

(169) Samoa Islands region.

IDC VII 02 20 48 24.1–3.9 15.17S 172.80W 0 4.1s,4.0 ¶601663409

IDC Error ellipse: s-maj=193.5km s-min=23.8km az=139.0.
IDC VII 06 17 29 17.3–9.1 15.86S 170.61W 0 4.1,3.9 ¶601663549

IDC Error ellipse: s-maj=244.9km s-min=44.3km az=27.0.
IDC VII 09 10 09 48.0–7.7 15.67S 172.79W 0 4.0,3.7 ¶601664329

IDC Error ellipse: s-maj=342.0km s-min=66.3km az=140.0.
IDC VII 10 11 06 42.4–52 15.13S 172.54W 0 4.4,4.2 ¶601664380

IDC Error ellipse: s-maj=1015.0km s-min=174.3km az=78.0.
IDC VII 11 00 07 23.8–4.8 14.98S 175.54W 0 4.7,4.6 ¶601664407

IDC Error ellipse: s-maj=196.8km s-min=78.9km az=143.0.
ISC VII 15 14 32 05.8–.79 15.0S–.20 173.2W–.20 30 4.0b,3.5s 15 2-146
IDC VII 15 14 32 01.1–.83 14.87S 173.41W 0 4.2,3.9b ¶601404943
ISCJB VII 15 14 32 03.9–.63 15.0S–.10 173.3W–.10 30 4.0b,3.4s
NEIC VII 15 14 32 06.6–.66 14.98S 173.32W 35 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=19.6km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=8.3km az=140.4.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=13.3km az=135.0.
ISC VII 16 10 07 55.7–.89 15.0S–.30 173.4W–.20 30 3.5b 10 2-146
IDC VII 16 10 07 51.2–.86 14.99S 173.63W 0 4.0,4.0L ¶601664669
ISCJB VII 16 10 07 54.0–.76 15.1S–.20 173.6W–.20 30 3.6b,4.0L
ISC Event type ke.
ISCJB Event type ke.
IDC VII 19 05 37 35.3–8.6 16.34S 171.71W 0 4.3,3.9b ¶601664818

IDC Error ellipse: s-maj=377.4km s-min=35.7km az=139.0.
IDC VII 27 11 08 13.6–43 15.63S 170.54W 0 4.4,4.2 ¶601666519

IDC Error ellipse: s-maj=846.9km s-min=185.8km az=80.0.
IDC VII 29 19 08 57.1–45 15.06S 170.39W 0 4.2,4.0 ¶601666640

IDC Error ellipse: s-maj=885.4km s-min=189.1km az=79.0.
IDC VIII 03 01 11 24.9–1.7 14.21S 174.61W 0 4.7,4.7s ¶601765376

IDC Error ellipse: s-maj=188.5km s-min=27.9km az=169.0.
ISC VIII 18 17 45 03.6–.48 15.73S–.04 172.90W–.04 26–3 5.4s,5.3b 1150 2-174
ISCJB VIII 18 17 45 00.0–.10 15.60S–.03 173.05W–.02 10 5.3s,5.3b ¶601565861
IDC VIII 18 17 45 00.6–.33 15.62S 173.04W 0 5.3s,5.3
BJI VIII 18 17 45 01.7 15.28S 172.85W 13 5.9b,5.4s
NEIC VIII 18 17 45 02.0–.00 15.68S 172.58W 13 5.9b,5.4s
NEIC VIII 18 17 45 02.3–.08 15.60S 173.04W 15 5.7W,5.7W
MOS VIII 18 17 45 04.8–1.3 15.41S 173.05W 33 5.4b,5.4s
GCMT VIII 18 17 45 09.3–.10 15.57S–.01 172.60W 20–0 5.7W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}3.21 $M_{\theta\theta}$0.98 $M_{\phi\phi}$-4.19 $M_{r\theta}$1.74 $M_{\theta\phi}$-0.12 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s27.00000° ,δ57.00000°,λ123.00000°. NP2:ϕ_s156.00000°,δ45.00000°,λ49.00000°. Principal axes: T 4.2100,Plg61.0000°,Azm351.0000°; N 0.0800,Plg27.0000°,Azm187.0000° ; P -4.2900,Plg6.0000°,Azm93.0000° $M_0$4.20000×10^{17}
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17} Nm; M_{rr}3.37 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$-2.56 $M_{r\theta}$0.89 $M_{\theta\phi}$-1.03 $M_{\phi r}$2.11 Best double couple: NP1: ϕ_s206.00000°,δ27.00000°,λ92.00000°. NP2:ϕ_s24.00000°,δ63.00000°,λ89.00000°. Principal axes: T 4.1000,Plg72.0000°,Azm292.0000°; N -0.3300,Plg1.0000°,Azm24.0000° ; P -3.7800,Plg18.0000°,Azm114.0000° $M_0$4.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c246; s137,c368; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.02±.05 $M_{\theta\theta}$0.34±.04; $M_{\phi\phi}$-4.36±.04; $M_{r\theta}$0.38±.09; $M_{\theta\phi}$0.60±.03; $M_{\phi r}$2.29±.09; Best double couple: NP1:ϕ_s1.00000°,δ59.00000° ,λ99.00000°. NP2:ϕ_s164.00000°,δ32.00000°,λ75.00000°. Principal axes: T 4.6670,Plg74.0000°,Azm295.0000°; N 0.3210,Plg8.0000°,Azm177.0000° ; P -4.9900,Plg14.0000°,Azm85.0000° $M_0$4.82800×10^{17}
IDC IX 03 04 42 28.9–7.8 16.30S 172.10W 0 4.3,4.2 ¶601862835

IDC Error ellipse: s-maj=184.0km s-min=127.6km az=133.0.
IDC IX 10 10 47 37.0–10 15.66S 172.95W 0 4.1,3.9 ¶601712332

IDC Error ellipse: s-maj=470.2km s-min=27.8km az=138.0.
ISC IX 15 09 42 07.4–1.0 14.9S–.30 173.5W–.20 30 3.8b,3.5s 7 2-146
IDC IX 15 09 42 03.3–1.0 15.05S 173.62W 0 4.3L,4.1 ¶601863579
ISCJB IX 15 09 42 05.1–.91 14.9S–.30 173.5W–.20 30 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 19 00 52 06.8–10 15.51S 172.81W 0 3.8,3.6 ¶601863794

IDC Error ellipse: s-maj=475.5km s-min=24.0km az=138.0.
IDC IX 24 07 58 05.4–43 15.39S 172.02W 0 4.3,4.2 ¶601864084

IDC Error ellipse: s-maj=833.5km s-min=181.9km az=79.0.
IDC X 04 16 25 33.0–2.4 14.88S 175.21W 270–53 3.7,3.4 ¶601997051

IDC Error ellipse: s-maj=265.5km s-min=19.0km az=153.0.
ISC X 05 09 28 58.1–.66 16.56S–.09 173.0W–.10 10 4.2b,3.4s 29 3-174
IDC X 05 09 28 57.2–.74 16.75S 173.20W 0 4.3,4.0 ¶601825823
NEIC X 05 09 28 58.4–.45 16.76S 173.06W 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=18.2km az=140.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.0km az=145.0.
ISC X 07 07 38 48.0–.33 15.22S–.06 171.97W–.08 23 4.8b,4.2s 238 1-174
ISCJB X 07 07 38 44.6–.22 15.46S–.05 172.00W–.05 10 4.7b,4.2s ¶601794219
BJI X 07 07 38 44.6 15.61S 172.09W 10 5.5b,5.1b
IDC X 07 07 38 45.2–.41 15.38S 171.97W 0 4.7,4.6
NEIC X 07 07 38 46.1–.19 15.44S 171.97W 10 4.8b,4.6
GCMT X 07 07 38 51.1–.20 15.61S–.02 171.53W–.02 12 5.0W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c38; s82,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.68±.11 $M_{\theta\theta}$1.52±.11; $M_{\phi\phi}$2.16±.10; $M_{r\theta}$-1.89±.41; $M_{\theta\phi}$-2.23±.08; $M_{\phi r}$-0.74±.39; Best double couple: NP1:ϕ_s116.00000°,δ55.00000° ,λ-120.00000°. NP2:ϕ_s341.00000°,δ45.00000°,λ-55.00000°. Principal axes: T 4.1580,Plg6.0000°,Azm227.0000°; N 0.4470,Plg24.0000°,Azm134.0000° ; P -4.6060,Plg65.0000°,Azm329.0000° $M_0$4.38200×10^{16}
IDC X 08 07 09 25.2–4.3 16.27S 172.51W 0 4.1,3.7 ¶601997468

IDC Error ellipse: s-maj=307.8km s-min=32.2km az=150.0.
IDC X 14 19 01 11.4–46 16.71S 172.34W 0 4.1,3.9 ¶601998248

IDC Error ellipse: s-maj=885.6km s-min=188.0km az=80.0.
IDC X 20 08 53 07.8–2.5 14.93S 173.45W 0 4.2,3.9b ¶601999019

IDC Error ellipse: s-maj=169.4km s-min=25.0km az=153.0.
IDC X 20 10 17 33.4–49 15.02S 172.26W 0 4.2,4.0 ¶601999032

IDC Error ellipse: s-maj=952.1km s-min=188.3km az=78.0.
IDC X 21 21 01 09.0–45 15.49S 171.98W 0 4.1,3.9 ¶601999210

IDC Error ellipse: s-maj=882.0km s-min=192.8km az=79.0.
IDC X 21 21 06 04.1–5.6 16.84S 172.79W 0 4.5L,4.3 ¶601999213

IDC Error ellipse: s-maj=196.9km s-min=30.6km az=131.0.
IDC X 23 09 33 28.5–13 15.73S 171.53W 0 4.2,3.9 ¶601999353

IDC Error ellipse: s-maj=611.4km s-min=38.4km az=139.0.
IDC XI 03 13 21 59.9–45 16.38S 172.44W 0 4.2,4.1s ¶602388768

IDC Error ellipse: s-maj=865.2km s-min=178.3km az=80.0.
ISC XI 03 22 06 55.1–.66 14.9S–.10 173.99W–.09 73 4.3b 15 2-146
IDC XI 03 22 06 46.9–1.9 15.24S 174.00W 0 4.2,4.1 ¶601891427
NEIC XI 03 22 06 48.3–.45 15.26S 174.02W 10 4.4b,4.1
ISCJB XI 03 22 06 53.1–.56 14.9S–.10 174.06W–.07 73 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 05 10 20 41.6–.56 14.8S–.20 175.74W–.08 250 4.1b 22 4-144
ISCJB XI 05 10 20 39.7–.53 14.8S–.10 175.6W–.10 250 4.0b ¶602388856
IDC XI 05 10 20 44.1–1.2 14.84S 175.56W 280–13 4.5,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=13.0km az=155.6.
IDC Error ellipse: s-maj=18.3km s-min=10.1km az=152.0.
ISC XI 07 21 49 55.4–.69 14.9S–.20 175.5W–.10 300 3.8b 17 4-145
ISCJB XI 07 21 49 54.4–.63 14.9S–.20 175.6W–.10 300 3.7b ¶602388993
IDC XI 07 21 49 54.4–1.3 14.85S 175.59W 285–15 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.5km s-min=10.1km az=160.1.
IDC Error ellipse: s-maj=34.0km s-min=11.6km az=146.0.
IDC XI 11 19 52 21.0–46 15.65S 172.31W 0 4.1,3.9 ¶602389233

IDC Error ellipse: s-maj=897.7km s-min=179.2km az=79.0.
IDC XI 15 10 43 57.7–7.1 16.04S 172.85W 86–127 4.4,4.4s ¶602389446

IDC Error ellipse: s-maj=120.4km s-min=40.5km az=79.0.
IDC XI 19 22 19 58.2–8.5 15.75S 172.09W 0 3.8,3.5 ¶602389702

IDC Error ellipse: s-maj=373.7km s-min=35.6km az=139.0.
IDC XI 23 20 14 44.8–3.1 15.82S 172.05W 0 3.9,3.7 ¶602389906

IDC Error ellipse: s-maj=173.3km s-min=26.9km az=146.0.
ISC XI 25 08 01 23.5–.67 15.24S–.08 173.00W–.07 10 4.2b,3.4s 37 2-146
ISCJB XI 25 08 01 22.9–.49 15.20S–.10 173.23W–.09 10 4.1b,3.5s ¶601994326
IDC XI 25 08 01 22.7–.81 15.37S 173.03W 0 4.2,4.0
NEIC XI 25 08 01 24.3–.36 15.28S 173.11W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=10.2km az=139.1.
IDC Error ellipse: s-maj=46.2km s-min=15.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.8km az=138.0.
IDC XI 26 05 42 24.9–1.9 14.69S 173.34W 0 4.2,3.8 ¶602390017

IDC Error ellipse: s-maj=112.0km s-min=19.1km az=154.0.
IDC XI 26 19 16 16.6–49 15.81S 172.35W 0 3.9,3.7 ¶602390002

IDC Error ellipse: s-maj=945.8km s-min=181.9km az=79.0.
ISC XI 28 08 36 09.6–.47 15.54S–.08 173.0W–.10 29 4.5b 125 2-147
IDC XI 28 08 36 05.1–.66 15.50S 173.10W 0 4.7L,4.3 ¶601994983
NEIC XI 28 08 36 06.8–.17 15.52S 173.13W 10 4.5b,4.3
ISCJB XI 28 08 36 08.8–.22 15.26S–.05 173.28W–.09 29 4.4b,2.8s
WEL XI 28 08 36 17.8–1.1 16S–15 175W–60 0 4.4b,2.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 30 08 34 45.9–2.0 16.69S 172.89W 0 4.3,4.2 ¶601995411

IDC Error ellipse: s-maj=60.8km s-min=26.6km az=118.0.
IDC XII 03 15 29 00.0–48 14.66S 173.13W 0 4.3,4.1 ¶602390401

IDC Error ellipse: s-maj=936.9km s-min=168.1km az=77.0.
ISC XII 05 11 22 03.0–.38 14.95S–.07 173.75W–.08 10 4.8b,4.0s 115 2-175
BJI XII 05 11 22 00.8 15.00S 173.70W 5 5.3b,5.0b ¶601996076
ISCJB XII 05 11 22 01.4–.26 14.95S–.06 173.77W–.06 10 4.7b,4.0s
IDC XII 05 11 22 01.5–.53 14.95S 173.62W 0 4.5,4.3
NEIC XII 05 11 22 02.9–.19 14.99S 173.70W 10 4.7b,4.3
GCMT XII 05 11 22 08.9–.40 14.87S–.03 173.17W–.02 19–2 4.8W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c18; s71,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.14 $M_{\theta\theta}$1.41±.10; $M_{\phi\phi}$-1.41±.10; $M_{r\theta}$0.54±.23; $M_{\theta\phi}$1.45±.08; $M_{\phi r}$0.68±.20; Best double couple: NP1:ϕ_s21.00000°,δ85.00000°,λ158.00000°. NP2:ϕ_s113.00000°,δ68.00000°,λ5.00000°. Principal axes: T 2.2830,Plg19.0000° ,Azm335.0000°; N -0.1660,Plg68.0000°,Azm190.0000°; P -2.1080,Plg12.0000° ,Azm69.0000° $M_0$2.19500×10^{16}
ISC XII 05 13 46 42.8–1.0 14.6S–.20 173.8W–.20 35 30 2-145
IDC XII 05 13 46 35.9–1.8 15.29S 173.42W 0 4.4,4.1 ¶602042914
NEIC XII 05 13 46 38.5–.56 14.77S 173.73W 10 4.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=102.4km s-min=21.5km az=149.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=9.6km az=141.0.
IDC XII 06 23 42 55.3–8.8 15.11S 171.32W 0 4.3,4.2b ¶602390563

IDC Error ellipse: s-maj=201.7km s-min=147.8km az=134.0.
ISC XII 09 18 37 14.2–.43 16.65S–.06 172.29W–.09 24 4.7b,4.1s 64 3-173
IDC XII 09 18 37 11.2–.55 16.73S 172.40W 0 4.6,4.6L ¶602037351
ISCJB XII 09 18 37 12.9–.41 16.72S–.06 172.46W–.08 24 4.5b,4.1s
NEIC XII 09 18 37 15.9–.44 16.68S 172.42W 35 4.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=14.6km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.9km az=22.5.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.7km az=112.0.
ISC XII 10 08 32 16.9–.95 15.1S–.30 172.9W–.30 29 4.0b,3.2s 10 2-90
IDC XII 10 08 32 12.4–.88 15.09S 172.93W 0 4.2,3.9 ¶602037354
ISCJB XII 10 08 32 15.3–.72 15.1S–.20 173.0W–.20 29 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
IDC XII 16 01 55 55.7–5.7 14.57S 174.23W 0 4.2,4.0b ¶602391436

IDC Error ellipse: s-maj=211.1km s-min=59.8km az=133.0.
IDC XII 17 13 22 14.4–50 15.25S 171.97W 0 4.2,4.0 ¶602391545

IDC Error ellipse: s-maj=971.7km s-min=177.3km az=79.0.
IDC XII 20 19 50 22.1–5.7 14.57S 175.11W 0 4.0,3.7 ¶602391750

IDC Error ellipse: s-maj=325.3km s-min=37.6km az=145.0.
ISC XII 21 06 23 07.0–.44 15.53S–.07 172.93W–.09 29 4.6b,3.3s 108 5-152
IDC XII 21 06 23 01.9–.69 15.27S 173.42W 0 4.3,4.1 ¶602055690
ISCJB XII 21 06 23 06.1–.23 15.36S–.05 173.14W–.07 29 4.5b,3.5s
BJI XII 21 06 23 07.5 15.52S 173.01W 43 5.1b,5.0b
NEIC XII 21 06 23 11.1–1.2 15.32S 173.33W 63–11 4.5b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=17.0km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.8km az=35.1.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.9km az=125.0.
IDC XII 21 22 08 07.3–4.9 16.60S 171.62W 0 4.1,3.9 ¶602391828

IDC Error ellipse: s-maj=213.1km s-min=53.0km az=137.0.
IDC XII 24 18 22 34.6–1.9 14.88S 173.78W 0 3.9,3.7b

¶602392010
IDC Error ellipse: s-maj=57.6km s-min=34.0km az=118.0.
IDC XII 25 03 39 52.3–54 15.19S 170.81W 0 4.0,3.8
¶602380562
IDC Error ellipse: s-maj=1061.0km s-min=193.4km az=79.0.
ISC XII 27 15 31 39.3–.35 14.92S–.08 174.78W–.07 35 4.9b,4.5s 243 6-154
IDC XII 27 15 31 34.3–.58 14.88S 174.81W 0 4.6,4.5 ¶602059904
ISCJB XII 27 15 31 38.1–.18 14.86S–.05 174.99W–.05 33 4.8b,4.5s
GCMT XII 27 15 31 38.8–.20 14.74S–.01 174.45W–.01 15–0 5.2W,4.5s
NEIC XII 27 15 31 40.8–2.0 14.90S 174.94W 45–18 4.9b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=14.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.5km az=138.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c86; s102,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.32±.16 $M_{\theta\theta}$-2.67±.15; $M_{\phi\phi}$3.99±.15; $M_{r\theta}$0.10±.42; $M_{\theta\phi}$6.46±.13; $M_{\theta r}$0.64±.41; Best double couple: NP1:ϕ_s346.00000°,δ89.00000°,λ176.00000°. NP2:ϕ_s76.00000°,δ86.00000°,λ1.00000°. Principal axes: T 7.9660,Plg4.0000°,Azm301.0000° ; N -1.3470,Plg85.0000°,Azm157.0000°; P -6.6190,Plg3.0000°,Azm31.0000° $M_0$7.29300×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=140.0.
ISC XII 28 00 26 14.6–.60 14.9S–.10 173.8W–.20 30 4.4b,3.7s 55 6-149
IDC XII 28 00 26 10.2–.65 14.88S 173.70W 0 4.4,4.2 ¶602092435
ISCJB XII 28 00 26 12.9–.35 15.0S–.10 173.8W–.10 30 4.3b,3.7s
NEIC XII 28 00 26 15.3–.25 15.03S 173.73W 35 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=15.5km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=8.1km az=140.5.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=6.1km az=140.0.
IDC XII 28 02 58 19.3–7.7 16.75S 172.81W 0 3.8,3.5
¶602380759
IDC Error ellipse: s-maj=360.9km s-min=62.2km az=143.0.
IDC XII 29 14 09 33.2–51 15.23S 170.31W 0 4.4,4.3
¶602380842
IDC Error ellipse: s-maj=1009.0km s-min=185.7km az=79.0.
ISC XII 30 13 53 09.7–.48 14.8S–.10 174.39W–.09 35 4.2b 48 6-154
IDC XII 30 13 53 03.3–.65 15.07S 174.12W 0 4.4,4.3 ¶602329623
NEIC XII 30 13 53 17.9–1.4 15.13S 174.18W 119–13 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=15.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.2km az=156.0.

(170) Samoa Islands.

IDC VII 13 20 05 32.5–58 14.90S 172.69W 0 4.2,4.0
¶601664542
IDC Error ellipse: s-maj=1132.0km s-min=197.0km az=78.0.
ISC VIII 19 06 53 03.6–.94 14.9S–.20 172.8W–.20 29 3.8b 8 1-146
IDC VIII 19 06 53 00.3–1.0 14.98S 172.93W 0 4.0,3.8b ¶601615453
ISCJB VIII 19 06 53 01.8–.86 14.8S–.20 172.9W–.20 29 3.8b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 26 16 21 25.9–.91 14.8S–.20 172.8W–.20 150 4.0b 42 1-146
ISCJB IX 26 16 21 24.7–.62 14.9S–.10 172.8W–.10 150 4.0b ¶601864215
IDC IX 26 16 21 25.0–1.2 15.18S 172.50W 143–26 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=8.3km az=33.9.
IDC Error ellipse: s-maj=52.1km s-min=30.4km az=96.0.
IDC X 30 00 18 13.6–6.1 14.83S 172.34W 0 3.8,3.5
¶602000386
IDC Error ellipse: s-maj=245.8km s-min=17.8km az=133.0.
IDC XI 16 04 32 36.0–45 14.66S 171.73W 0 4.4,4.2b
¶602389485
IDC Error ellipse: s-maj=874.1km s-min=185.0km az=78.0.
IDC XII 24 20 01 44.4–8.9 14.09S 170.98W 0 3.9,3.6
¶602392015
IDC Error ellipse: s-maj=393.8km s-min=39.1km az=137.0.

(171) South of Fiji Islands.

IDC VII 02 00 19 27.7–72 22.76S 179.91W 0 4.1,4.0
¶601663383
IDC Error ellipse: s-maj=1295.0km s-min=169.9km az=86.0.
ISC VII 03 02 06 26.3–.62 24.70S–.09 179.68E–.10 531 4.0b 40 12-168
ISCJB VII 03 02 06 25.7–.58 24.63S–.08 179.59E–.09 531 4.0b ¶601663414
IDC VII 03 02 06 26.0–1.9 24.48S 179.63E 526–20 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=10.2km az=159.0.
IDC Error ellipse: s-maj=16.7km s-min=13.4km az=179.0.
ISC VII 03 17 25 30.6–.79 23.36S–.08 177.4W–.20 250 3.4b 28 6-146
IDC VII 03 17 25 30.3–3.0 23.20S 177.63W 230–33 4.1,3.7 ¶601663442
ISCJB VII 03 17 25 31.3–.73 23.39S–.06 177.6W–.20 250 3.5b,3.7
WEL VII 03 17 25 46.4–1.2 24S–22 177W–88 363–15 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 03 22 42 22.8–8.1 21.85S 179.63E 500–91 3.9,3.3
¶601663449
IDC Error ellipse: s-maj=185.9km s-min=41.6km az=167.0.
ISC VII 03 23 57 27.8–.56 23.86S–.08 180.0W–.10 518 4.1b 35 6-169
ISCJB VII 03 23 57 27.1–.47 23.81S–.06 179.96E–.09 518 4.0b ¶601663452
IDC VII 03 23 57 27.1–1.1 23.75S 179.96W 509–11 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=8.1km az=165.9.
IDC Error ellipse: s-maj=12.9km s-min=11.4km az=36.0.
ISC VII 04 03 47 35.8–.58 24.49S–.07 176.8W–.10 100 4.6b 47 5-152
NEIC VII 04 03 47 33.9–1.6 24.64S 176.84W 78–15 4.7b ¶601556016
ISCJB VII 04 03 47 34.2–.46 24.55S–.06 176.85W–.09 100 4.5b
IDC VII 04 03 47 36.5–2.8 24.31S 177.27W 76–27 4.7,4.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.4km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.3km az=26.9.
IDC Error ellipse: s-maj=41.0km s-min=21.0km az=131.0.
IDC VII 04 05 21 05.2–10 24.05S 179.34E 622–118 3.6,3.1
¶601663460
IDC Error ellipse: s-maj=123.3km s-min=51.0km az=155.0.
ISC VII 04 08 46 11.5–.96 24.1S–.10 179.9W–.20 500 3.6b 10 14-93
IDC VII 04 08 46 10.7–2.7 24.34S 179.80W 493–31 4.0,3.4 ¶601663467
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=18.1km az=165.0.
ISC VII 05 11 54 12.2–.54 25.20S–.10 178.38E–.10 579 4.0b 46 5-154
ISCJB VII 05 11 54 10.6–.65 25.24S–.09 178.5E–.10 579 4.1b ¶601505937
IDC VII 05 11 54 14.0–1.2 25.23S 178.34E 598–13 4.6,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=11.2km az=165.5.
IDC Error ellipse: s-maj=12.1km s-min=10.9km az=37.0.
ISC VII 05 14 04 36.7–.71 24.4S–.20 180.0E–.10 517 4.0b 20 13-149
ISCJB VII 05 14 04 36.2–.66 24.4S–.20 179.9E–.10 517 3.9b ¶601663511
IDC VII 05 14 04 37.5–1.8 24.34S 179.91E 524–18 4.4,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=12.9km az=166.0.
IDC Error ellipse: s-maj=22.9km s-min=12.6km az=164.0.
ISC VII 05 21 04 08.6–.89 24.0S–.10 179.7W–.20 518 3.8b 17 15-148
ISCJB VII 05 21 04 08.7–.96 23.86S–.10 179.8W–.20 518 3.8b ¶601663519
IDC VII 05 21 04 11.6–4.9 24.07S 179.75W 552–52 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=12.5km az=171.0.
IDC Error ellipse: s-maj=35.7km s-min=24.2km az=35.0.
ISC VII 05 23 28 47.1–.78 24.8S–.10 179.9E–.10 501 3.9b 18 14-148
ISCJB VII 05 23 28 46.1–.81 24.9S–.10 179.9E–.20 501 3.8b ¶601663525
IDC VII 05 23 28 46.3–2.8 24.80S 179.98E 494–28 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=15.5km az=152.1.
IDC Error ellipse: s-maj=23.8km s-min=16.2km az=52.0.
ISC VII 07 07 25 07.9–1.7 25.7S–.20 179.2E–.20 507 4.5b 46 4-144
WEL VII 07 07 25 06.8–2.0 26S–19 180W–34 591–22 4.5b ¶601663580
IDC VII 07 07 25 09.4–9.4 25.14S 179.22E 543–80 4.7,3.8
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=96.8km s-min=59.4km az=127.0.
ISC VII 08 09 14 38.3–.97 23.7S–.20 180.0W–.20 526 3.5b 11 15-148
ISCJB VII 08 09 14 37.9–1.2 23.6S–.20 179.9E–.20 526 3.5b ¶601664282
IDC VII 08 09 14 43.0–5.8 23.99S 179.97E 585–71 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.0km s-min=23.5km az=7.0.
IDC Error ellipse: s-maj=78.0km s-min=27.6km az=3.0.
IDC VII 09 22 33 36.1–32 24.58S 179.31E 550–283 4.3,3.4
¶601664356
IDC Error ellipse: s-maj=246.4km s-min=89.6km az=90.0.
ISC VII 10 02 28 13.2–.60 25.11S–.04 176.09W–.05 26–3 5.1b,4.4s 672 4-177
BJI VII 10 02 28 08.5 25.20S 176.30W 8 5.5b,5.3b ¶601505962
IDC VII 10 02 28 09.2–.41 24.64S 176.35W 0 5.7L,5.1
ISCJB VII 10 02 28 09.1–1.6 25.09S–.03 176.42W–.04 4–10 5.1b,4.4s
NEIC VII 10 02 28 12.0–.50 25.14S 176.41W 17–3 5.1b,4.4s
GCMT VII 10 02 28 12.0–.20 24.75S 175.93W 39–1 5.2W,4.4s
MOS VII 10 02 28 14.0–1.4 24.84S 176.54W 33 5.3b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=14.1km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=37.4.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=134.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s77,c110; s109,c175; Duration: 1ŧ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25±.02 $M_{\theta\theta}$0.61±.02; $M_{\phi\phi}$-0.86±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$0.12±.02; Best double couple: NP1:ϕ_s331.00000°,δ71.00000° ,λ23.00000°. NP2:ϕ_s233.00000°,δ68.00000°,λ160.00000°. Principal axes: T 0.8880,Plg29.0000°,Azm193.0000°; N 0.0550,Plg61.0000°,Azm8.0000° ; P -0.9430,Plg2.0000°,Azm102.0000° $M_0$0.91600×10^{17}
MOS Error ellipse: s-maj=11.4km s-min=9.1km az=78.7.
ISC VII 10 18 09 43.1–.37 23.50S–.04 179.67W–.05 546–3 4.9b 791 6-175
BJI VII 10 18 09 40.9 23.23S 179.11W 539 4.9b,4.8b ¶601505967
MOS VII 10 18 09 41.0–.95 23.35S 179.84W 520 5.1b,4.8b
NEIC VII 10 18 09 42.8–.12 23.55S 179.78W 540 4.9b,4.8b
ISCJB VII 10 18 09 42.0–.44 23.47S–.03 179.88W–.03 536–6 4.8b,4.8b
WEL VII 10 18 09 42.0 23.55S 179.78W 540 4.8b,4.8b
IDC VII 10 18 09 43.5–.85 23.43S 179.81W 542–8 5.2,4.3
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=9.3km az=84.2.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.6km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=44.5.
WEL manual. confirmed.
IDC Error ellipse: s-maj=8.6km s-min=8.0km az=120.0.
ISC VII 11 00 01 43.3–.80 22.6S–.20 179.8W–.10 550 3.6b 11 13-147
ISCJB VII 11 00 01 42.7–.69 22.5S–.20 179.8W–.10 550 3.6b ¶601664406
IDC VII 11 00 01 47.5–2.7 22.86S 179.75W 607–39 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.8km s-min=13.5km az=161.7.
IDC Error ellipse: s-maj=48.6km s-min=15.1km az=171.0.
ISC VII 11 00 44 07.7–.88 24.3S–.10 179.7E–.20 531 3.8b 10 14-149
ISCJB VII 11 00 44 07.8–.95 24.2S–.10 179.6E–.20 531 3.8b ¶601664408
IDC VII 11 00 44 14.6–5.8 24.64S 179.56E 619–74 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=13.9km az=6.3.
IDC Error ellipse: s-maj=51.9km s-min=28.9km az=15.0.
ISC VII 11 01 27 58.7–.82 22.7S–.20 179.6W–.20 579 3.5b 21 22-152
IDC VII 11 01 27 53.0–2.7 22.59S 179.46W 513–29 4.0,3.4 ¶601664412
ISCJB VII 11 01 27 57.3–.74 22.8S–.20 179.6W–.20 579 3.7b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC VII 11 09 12 44.0–.57 23.57S–.06 179.60W–.09 536 4.5b 77 6-151
ISCJB VII 11 09 12 43.0–.43 23.46S–.04 179.68W–.08 536 4.3b ¶601564433
IDC VII 11 09 12 43.3–1.4 23.51S 179.79W 512–15 4.7,3.9
NEIC VII 11 09 12 43.4–.91 23.56S 179.75W 522–12 4.6b,3.9
WEL VII 11 09 12 43.0 23.56S 179.75W 522 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.1km az=2.5.
IDC Error ellipse: s-maj=19.2km s-min=14.2km az=22.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=12.8km az=135.0.
WEL manual. confirmed.
ISC VII 11 10 17 28.0–.44 24.58S–.06 179.23E–.08 550 4.5b 157 5-168
BJI VII 11 10 17 13.3 23.46S 178.98W 510 5.1b,4.8b ¶601505973
NEIC VII 11 10 17 14.4–1.6 23.68S 179.37W 506–16 4.6b,4.8b
ISCJB VII 11 10 17 27.4–.38 24.60S–.03 179.17E–.07 550 4.4b,4.8b
IDC VII 11 10 17 27.4–3.2 24.48S 179.21E 533–34 4.5,3.8
WEL VII 11 10 17 28.9–.00 25S–8.0 180W–29 632–17 4.5,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 11 11 12 40.1–.28 26.06S–.04 177.28W–.04 93–2 5.3b 986 3-169
MOS VII 11 11 12 38.1–1.0 25.95S 177.39W 81 5.5b,4.8s ¶601261452
ISCJB VII 11 11 12 39.4–.10 26.46S–.02 177.30W–.03 103 5.3b,4.8s
GCMT VII 11 11 12 40.2–.10 26.01S 177.00W 97–0 5.7W,4.8s
BJI VII 11 11 12 40.2 25.34S 177.14W 92 5.6b,5.3b
WEL VII 11 11 12 40.0 26.05S 177.36W 90 5.6b,5.3b
NEIC VII 11 11 12 40.2–.92 26.05S 177.36W 90–8 5.7W,5.7W
NEIC VII 11 11 12 41.0–.00 25.60S 177.15W 100 5.7W,5.7W
IDC VII 11 11 12 43.6–3.0 25.96S 177.31W 120–25 5.3,5.1
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.4km az=74.2.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=39.5.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c220; s129,c315;Duration: 1ŧ8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57±.04 $M_{\theta\theta}$-3.39±.05; $M_{\phi\phi}$3.96±.05; $M_{r\theta}$-1.83±.04; $M_{\theta\phi}$-2.23±.05; $M_{\phi r}$-1.39±.04; Best double couple: NP1: ϕ_s27.00000°,δ79.00000°,λ-26.00000°. NP2:ϕ_s122.00000°,δ64.00000°,λ-168.00000°. Principal axes: T 4.7330,Plg10.0000°,Azm77.0000°; N 0.3200,Plg62.0000°,Azm186.0000° ; P -5.0490,Plg26.0000°,Azm342.0000° $M_0$4.89100×10^{17}
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=157.0. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$3.07 $M_{r\theta}$-1.73 $M_{\theta\phi}$-1.50 $M_{\phi r}$-1.31 Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ-35.00000°. NP2:ϕ_s126.00000° ,δ57.00000°,λ-161.00000°. Principal axes: T 3.6400,Plg11.0000°,Azm79.0000° ; N 0.2600,Plg52.0000°,Azm184.0000°; P -3.9000,Plg36.0000°,Azm340.0000° $M_0$3.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24 $M_{\theta\theta}$-3.02 $M_{\phi\phi}$3.25 $M_{r\theta}$-2.08 $M_{\theta\phi}$-1.46 $M_{\phi r}$-1.48 Best double couple: NP1:ϕ_s31.00000° ,δ82.00000°,λ-33.00000°. NP2:ϕ_s126.00000°,δ57.00000°,λ-170.00000°. Principal axes: T 3.8700,Plg16.0000°,Azm83.0000°; N 0.7600,Plg55.0000°,Azm199.0000° ; P -4.6300,Plg28.0000°,Azm343.0000° $M_0$4.30000×10^{17}
IDC Error ellipse: s-maj=11.1km s-min=10.7km az=11.0.
ISC VII 11 18 15 19.0–.92 24.5S–.20 179.9E–.10 500 3.9b 14 13-91
IDC VII 11 18 15 17.9–2.2 24.43S 179.90W 492–21 4.3,3.6 ¶601664440
ISCJB VII 11 18 15 18.1–.83 24.5S–.20 179.9E–.10 500 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 13 18 43 36.7–3.4 23.3S–.20 179.3E–.40 553 4.2b 9 15-50
IDC VII 13 18 43 35.2–8.8 23.01S 179.39E 544–75 4.6,3.7 ¶601664540
ISC Event type ke.
IDC Error ellipse: s-maj=88.3km s-min=33.7km az=45.0.
ISC VII 14 07 23 42.5–1.2 24.5S–.10 180.0E–.20 517 4.0b 11 14-145
IDC VII 14 07 23 40.2–2.4 24.31S 179.99E 493–23 4.4,3.7 ¶601664556
ISCJB VII 14 07 23 41.6–1.3 24.3S–.10 179.9E–.20 517 4.1b,3.7
ISC Event type ke.
ISCJB Event type ke.

IDC VII 15 12 30 23.6–3.5 23.86S 179.93E 506–35 3.9,3.3 ¶601664627

IDC Error ellipse: s-maj=50.2km s-min=24.8km az=176.0.
IDC VII 16 06 34 39.7–9.2 22.77S 179.40E 658–118 4.2,3.4 ¶601664661

IDC Error ellipse: s-maj=48.7km s-min=34.0km az=71.0.
IDC VII 17 10 19 20.4–5.8 23.83S 179.99W 541–67 3.9,3.2 ¶601664718

IDC Error ellipse: s-maj=39.5km s-min=25.8km az=9.0.
ISC VII 18 19 34 57.4–.50 24.6S–.10 177.3W–.10 100 4.0b 40 12-154
ISCJB VII 18 19 34 56.3–.48 24.63S–.09 177.4W–.10 100 4.0b ¶601506013
IDC VII 18 19 34 57.2–2.9 24.62S 177.29W 97–24 4.2,4.1
NEIC VII 18 19 34 58.7–2.3 24.50S 177.29W 110–19 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=10.9km az=35.0.
IDC Error ellipse: s-maj=20.7km s-min=15.2km az=140.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=11.2km az=141.0.
ISC VII 20 23 22 51.1–.42 23.13S–.09 176.76W–.08 100 4.7b 90 8-170
ISCJB VII 20 23 22 49.5–.39 23.09S–.08 176.84W–.06 100 4.5b ¶601453734
NEIC VII 20 23 22 52.0–1.3 22.99S 176.91W 109–11 4.1b
IDC VII 20 23 22 53.3–3.6 22.94S 176.95W 116–30 4.7,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.1km az=158.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.6km az=125.0.
IDC Error ellipse: s-maj=18.5km s-min=14.9km az=127.0.
ISC VII 21 05 47 05.9–.38 23.46S–.05 179.67W–.07 536 4.0b 93 6-170
ISCJB VII 21 05 47 05.5–.32 23.42S–.03 179.80W–.07 536 4.0b ¶601506028
IDC VII 21 05 47 06.8–1.0 23.50S 179.86W 539–11 4.6,3.8
WEL VII 21 05 47 11.4–1.2 24S–10 179W–35 600–15 4.6,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 22 12 04 08.5–.71 24.3S–.10 179.9E–.10 526 3.4b 21 14-148
IDC VII 22 12 04 06.0–2.2 24.14S 179.96E 500–22 4.0,3.3
ISCJB VII 22 12 04 07.7–.79 24.2S–.10 179.8E–.10 526 3.5b,3.3 ¶601664970
ISC Event type ke.
ISCJB Event type ke.
IDC VII 22 13 11 44.6–5.0 24.26S 177.77W 0 4.4,4.3 ¶601664973

IDC Error ellipse: s-maj=135.6km s-min=84.1km az=152.0.
ISC VII 23 07 55 47.8–.69 26.17S–.10 179.9E–.10 475 3.8b 23 12-149
ISCJB VII 23 07 55 47.4–.74 26.20S–.08 179.8E–.10 475 3.6b ¶601666300
IDC VII 23 07 55 50.8–1.9 26.19S 179.79E 507–21 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=11.1km az=175.3.
IDC Error ellipse: s-maj=16.6km s-min=12.9km az=1.0.
ISC VII 25 05 06 18.1–.49 24.13S–.08 179.6W–.10 518 3.8b 34 5-169
IDC VII 25 05 06 16.4–1.4 24.06S 179.84W 490–15 4.3,3.7 ¶601666402
ISCJB VII 25 05 06 17.2–.47 24.10S–.06 179.7W–.10 518 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 25 12 12 39.4–.37 22.85S–.09 176.27W–.09 10 4.7b 190 10-170
MOS VII 25 12 12 36.9–.97 22.80S 176.29W 33 5.0b ¶601473944
IDC VII 25 12 12 37.7–.41 22.82S 176.31W 0 4.8,4.7
ISCJB VII 25 12 12 38.5–.24 22.89S–.07 176.34W–.07 10 4.8b,4.7
NEIC VII 25 12 12 39.4–.22 22.83S 176.30W 10 4.8b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=14.2km s-min=10.3km az=140.0.
IDC Error ellipse: s-maj=17.8km s-min=13.5km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.7km az=139.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.2km az=146.0.
ISC VII 26 06 12 12.6–.36 26.47S–.04 178.40W–.04 355–3 5.1b 942 3-172
BJI VII 26 06 12 07.0 26.55S 178.12W 321 5.4b,4.8b ¶601472512
ISCJB VII 26 06 12 08.4–.45 26.38S–.03 178.61W–.02 319–4 5.1b,4.8b
MOS VII 26 06 12 11.4–.90 26.22S 178.60W 346 5.1b,4.8b
NEIC VII 26 06 12 12.4–.53 26.44S 178.61W 350–5 5.2b,4.8b
IDC VII 26 06 12 13.6–.48 26.25S 178.58W 358–4 5.4,4.7
WEL VII 26 06 12 15.0–.92 27S–10 176W–23 378–5 5.4,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 26 07 58 06.2–.88 25.5S–.10 179.5E–.20 507 3.2b 12 13-148
ISCJB VII 26 07 58 06.3–.89 25.5S–.10 179.5E–.20 507 3.1b ¶601506059
IDC VII 26 07 58 06.3–5.4 25.50S 179.60E 501–59 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=13.3km az=10.7.
IDC Error ellipse: s-maj=37.7km s-min=26.0km az=21.0.
ISC VII 26 08 06 41.2–.98 23.6S–.10 179.9E–.20 535 3.3b 8 15-147
ISCJB VII 26 08 06 40.8–.99 23.5S–.10 179.8E–.20 535 3.3b ¶601666469
IDC VII 26 08 06 41.0–6.6 23.59S 179.85E 528–77 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=14.4km az=11.4.
IDC Error ellipse: s-maj=60.8km s-min=27.6km az=2.0.
ISC VII 28 14 01 03.3–.80 22.4S–.10 179.5W–.10 550 4.1b 36 11-148
ISCJB VII 28 14 01 02.1–.46 22.23S–.08 179.44W–.08 550 4.0b ¶601666565
IDC VII 28 14 01 03.3–2.2 22.16S 179.52W 549–26 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.9km az=137.1.
IDC Error ellipse: s-maj=31.3km s-min=13.7km az=153.0.
ISC VII 30 07 03 18.1–.90 24.2S–.10 179.9W–.20 500 4.0b 16 14-148
ISCJB VII 30 07 03 17.1–1.2 24.1S–.10 180.0W–.20 500 3.9b ¶601650761
IDC VII 30 07 03 18.2–5.2 24.19S 179.92W 502–52 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=14.2km az=170.9.
IDC Error ellipse: s-maj=37.8km s-min=25.5km az=35.0.
ISC VII 30 07 14 07.8–.89 22.3S–.20 179.5W–.20 550 3.6b 10 16-141
ISCJB VII 30 07 14 07.3–.72 22.1S–.10 179.6W–.10 550 3.6b ¶601650763
IDC VII 30 07 14 07.6–11 22.11S 179.54W 543–144 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=12.5km az=21.9.
IDC Error ellipse: s-maj=74.8km s-min=27.1km az=6.0.
ISC VII 30 16 41 10.6–1.3 23.9S–.10 179.9E–.20 532 3.9b 13 14-148
IDC VII 30 16 41 06.3–3.8 23.46S 179.88W 498–34 4.3,3.5 ¶601650775
ISCJB VII 30 16 41 09.4–2.5 23.8S–.20 179.9E–.40 532 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VII 30 20 14 38.8–.74 24.3S–.20 179.8E–.10 517 3.9b 23 13-150
IDC VII 30 20 14 36.8–2.2 24.35S 179.88E 496–22 4.3,3.7 ¶601650787
ISCJB VII 30 20 14 37.9–.63 24.4S–.20 179.8E–.10 517 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 31 13 19 04.8–.52 23.58S–.05 179.92W–.06 536–5 4.3b 213 6-170
ISCJB VII 31 13 19 04.5–.50 23.53S–.03 179.99W–.05 539–6 4.2b ¶601506094
WEL VII 31 13 19 05.0 23.58S 179.94W 544 4.2b
NEIC VII 31 13 19 05.5–.55 23.58S 179.94W 544–6 4.3b
IDC VII 31 13 19 05.3–.63 23.51S 179.96W 534–6 4.8,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=20.9.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=152.0.
IDC Error ellipse: s-maj=9.7km s-min=9.2km az=23.0.
IDC VIII 01 16 12 26.3–2.6 23.58S 176.62W 0 3.9,3.7b ¶601765318

IDC Error ellipse: s-maj=208.9km s-min=32.7km az=164.0.
IDC VIII 01 20 11 21.8–1.8 24.84S 177.87W 0 4.7,4.6 ¶601765324

IDC Error ellipse: s-maj=78.7km s-min=31.8km az=159.0.
ISC VIII 01 21 47 51.3–.55 26.15S–.09 177.2W–.10 100 4.2b 32 3-156
NEIC VIII 01 21 47 47.7–1.4 25.93S 177.34W 66–13 4.4b ¶601533432
ISCJB VIII 01 21 47 50.2–.51 26.13S–.06 177.34W–.10 100 4.2b
IDC VIII 01 21 47 51.1–3.5 26.12S 177.34W 95–35 4.3,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.8km az=13.2.
IDC Error ellipse: s-maj=31.9km s-min=17.7km az=169.0.
ISC VIII 02 00 03 16.3–.67 24.1S–.10 180.0W–.20 518 3.7b 22 14-169
ISCJB VIII 02 00 03 15.7–.71 23.99S–.10 179.9E–.10 518 3.8b ¶601765329
IDC VIII 02 00 03 15.0–2.3 24.00S 179.95W 502–22 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=12.2km az=13.8.
IDC Error ellipse: s-maj=20.3km s-min=17.6km az=5.0.
IDC VIII 03 04 58 56.2–3.3 24.69S 179.90E 489–33 4.5,3.9 ¶601765382

IDC Error ellipse: s-maj=30.5km s-min=22.5km az=11.0.
IDC VIII 03 05 24 46.1–3.9 23.78S 178.00W 0 4.0,3.8 ¶601765383

IDC Error ellipse: s-maj=199.9km s-min=40.7km az=156.0.
ISC VIII 03 21 26 16.5–.00 24.2S–.20 179.9W–.20 518 3.7b 17 5-148
ISCJB VIII 03 21 26 16.6–5.2 24.3S–.80 180.0E–.60 518 3.8b ¶601765419
IDC VIII 03 21 26 16.4–2.4 24.19S 179.96W 509–23 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=131.3km s-min=16.4km az=35.5.
IDC Error ellipse: s-maj=27.9km s-min=18.0km az=29.0.
ISC VIII 03 21 26 47.8–1.1 24.6S–.30 179.8E–.20 517 3.9b 12 5-148
IDC VIII 03 21 26 44.6–1.9 24.51S 179.94E 495–19 4.4,3.6 ¶601765422
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=19.4km az=2.0.
IDC VIII 05 15 54 22.6–22 23.38S 178.20E 693–201 3.8,2.8 ¶601765502

IDC Error ellipse: s-maj=240.7km s-min=128.5km az=127.0.
ISC VIII 06 10 28 30.1–.74 23.9S–.10 180.0E–.20 535 3.4b 14 15-132
IDC VIII 06 10 28 27.4–2.8 23.55S 179.95E 498–31 3.9,3.3 ¶601765548
ISCJB VIII 06 10 28 29.3–.64 23.75S–.09 179.9E–.10 535 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 06 21 31 47.8–.68 25.26S–.09 179.8W–.10 450 3.8b 23 4-151
ISCJB VIII 06 21 31 47.1–.68 25.19S–.08 179.9W–.10 450 3.9b ¶601765577
IDC VIII 06 21 31 47.1–1.6 25.13S 179.85W 439–16 4.4,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=9.5km az=153.6.
IDC Error ellipse: s-maj=25.8km s-min=14.7km az=6.0.
ISC VIII 06 22 23 00.3–.75 25.22S–.08 179.8W–.10 500 4.2b 61 4-168
IDC VIII 06 22 22 57.3–1.5 24.96S 179.87W 456–14 4.4,3.8 ¶601765579
WEL VIII 06 22 22 58.9–.98 25S–14 178W–63 542–16 4.4,3.8
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VIII 07 15 06 19.0–21 22.85S 177.14W 268–190 3.9,3.5 ¶601765611

IDC Error ellipse: s-maj=262.3km s-min=42.1km az=157.0.
ISC VIII 09 08 10 43.4–.40 23.31S–.06 179.36E–.07 548 4.5b 165 6-170
BJI VIII 09 08 10 42.3 23.20S 179.30E 542 4.6b,4.4b ¶601542021
ISCJB VIII 09 08 10 43.7–.35 23.26S–.03 179.07E–.07 550 4.5b,4.4b
WEL VIII 09 08 10 43.0 23.21S 179.25E 542 4.5b,4.4b
NEIC VIII 09 08 10 43.3–.79 23.21S 179.25E 542–10 4.7b,4.4b
IDC VIII 09 08 10 46.2–1.9 23.28S 178.96E 565–20 4.6,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.7km az=172.8.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=96.0.
IDC Error ellipse: s-maj=14.2km s-min=13.5km az=177.0.
ISC VIII 09 15 50 01.7–5.0 22.8S–.20 176.6W–.20 61–45 4.7b 30 7-153
IDC VIII 09 15 49 52.1–2.4 23.10S 176.31W 0 4.5,4.4L ¶601734863
ISCJB VIII 09 15 49 58.4–.58 22.80S–.06 176.5W–.10 50 4.8b,4.4L
NEIC VIII 09 15 49 59.4–1.1 22.79S 176.53W 43–11 4.8b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=115.7km s-min=27.8km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=8.0km az=17.5.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=8.1km az=128.0.
ISC VIII 11 06 43 16.2–.36 23.73S–.06 179.95W–.08 535 4.3b 165 6-169
ISCJB VIII 11 06 43 15.7–.18 23.73S–.04 179.91E–.05 535 4.3b ¶601551771
IDC VIII 11 06 43 15.8–1.5 23.64S 179.96W 527–14 4.6,3.9
NEIC VIII 11 06 43 17.4–.54 23.78S 179.96E 549–6 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=32.8.
IDC Error ellipse: s-maj=14.0km s-min=12.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=141.0.
IDC VIII 11 12 06 11.3–16 22.45S 178.63W 472–149 4.2,3.5 ¶601765750

IDC Error ellipse: s-maj=138.1km s-min=38.1km az=122.0.
ISC VIII 11 13 31 31.8–.41 25.02S–.07 177.36W–.08 100 4.3b 54 4-168
ISCJB VIII 11 13 31 30.5–.39 25.01S–.05 177.45W–.07 100 4.2b ¶601553227
IDC VIII 11 13 31 33.1–2.1 25.08S 177.32W 114–18 4.4,4.2
NEIC VIII 11 13 31 34.2–1.6 25.13S 177.29W 129–15 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=7.3km az=3.1.
IDC Error ellipse: s-maj=14.9km s-min=14.5km az=122.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.3km az=156.0.
ISC VIII 14 07 05 40.1–.81 24.8S–.20 180.0W–.10 501 4.0b 13 13-148
ISCJB VIII 14 07 05 39.5–.76 24.8S–.20 180.0E–.10 501 4.0b ¶601765822
IDC VIII 14 07 05 43.5–3.3 24.90S 179.94E 541–37 4.4,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=15.6km az=157.6.
IDC Error ellipse: s-maj=48.6km s-min=20.6km az=168.0.
ISC VIII 14 11 50 15.0–.97 24.2S–.20 180.0W–.20 518 3.7b 8 14-93
IDC VIII 14 11 50 13.3–2.8 24.07S 179.97W 496–31 4.2,3.6 ¶601765833
ISCJB VIII 14 11 50 14.1–.84 24.1S–.20 179.9E–.20 518 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 14 19 37 24.8–.89 24.3S–.10 179.9W–.20 505 3.6b 12 14-169
ISCJB VIII 14 19 37 24.6–.92 24.1S–.10 179.9E–.20 505 3.5b ¶601765849
IDC VIII 14 19 37 28.4–4.2 24.63S 179.94W 549–47 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=13.5km az=5.7.
IDC Error ellipse: s-maj=38.9km s-min=23.2km az=1.0.
ISC VIII 16 23 43 37.7–.70 24.6S–.10 177.7W–.20 250 3.4b 20 5-154
ISCJB VIII 16 23 43 36.6–.85 24.6S–.10 177.7W–.20 250 3.6b ¶601765959
IDC VIII 16 23 43 36.2–3.3 24.49S 177.66W 227–30 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=16.5km az=11.5.
IDC Error ellipse: s-maj=27.9km s-min=18.2km az=175.0.
ISC VIII 17 22 58 26.4–1.3 24.1S–.10 179.9E–.20 526 3.8b 10 14-148
IDC VIII 17 22 58 25.0–2.6 23.97S 179.84E 509–23 4.3,3.6 ¶601766019
ISCJB VIII 17 22 58 25.3–1.3 23.9S–.10 179.8E–.20 526 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 19 04 28 03.6–.56 22.25S–.10 179.6W–.10 592 3.9b 56 7-152
ISCJB VIII 19 04 28 02.4–.55 22.25S–.10 179.6W–.10 592 3.8b ¶601766130
IDC VIII 19 04 28 02.3–2.0 22.07S 179.53W 573–22 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=12.7km az=156.1.
IDC Error ellipse: s-maj=16.1km s-min=13.9km az=56.0.
ISC VIII 20 07 49 30.1–.73 23.5S–.10 179.8W–.20 532 3.8b 14 12-148
ISCJB VIII 20 07 49 29.4–.74 23.5S–.10 179.8W–.20 532 3.8b ¶601766182
IDC VIII 20 07 49 29.7–2.6 23.47S 179.77W 522–29 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=14.5km az=35.8.
IDC Error ellipse: s-maj=19.8km s-min=17.3km az=57.0.
ISC VIII 21 10 28 04.2–.44 25.81S–.07 177.40W–.08 160 3.9b 53 3-167
ISCJB VIII 21 10 28 02.9–.37 25.84S–.06 177.51W–.07 160 3.9b ¶601766247
NEIC VIII 21 10 28 02.2–1.3 25.71S 177.47W 141–12 4.1b
IDC VIII 21 10 28 02.0–2.9 25.69S 177.43W 136–26 4.2,4.0

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=32.9.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=142.0.
IDC Error ellipse: s-maj=17.9km s-min=16.0km az=174.0.

ISC	**VIII**	**21 22 48 31.9–.40**	**23.70S–.06**	**177.15W–.08**	**167**	**4.6b**	**95**	**6-169**
NEIC	VIII	21 22 48 27.6–1.1	23.50S	177.17W	130–10	4.8b		¶601610552
IDC	VIII	21 22 48 27.3–1.8	23.52S	177.12W	127–15	4.9,4.5		
ISCJB	VIII	21 22 48 30.8–.43	23.67S–.05	177.22W–.08	167	4.6b,4.5		

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

ISC	**VIII**	**22 18 19 32.2–.37**	**24.05S–.06**	**179.06E–.08**	**548**	**4.2b**	**145**	**6-171**
ISCJB	VIII	22 18 19 31.9–.24	24.02S–.05	178.91E–.06	548	4.3b		¶601614659
NEIC	VIII	22 18 19 33.8–.75	24.09S	179.11E	569–8	5.2b		
IDC	VIII	22 18 19 33.5–.94	24.05S	179.03E	561–10	4.8,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=177.8.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=52.0.
IDC Error ellipse: s-maj=9.5km s-min=8.5km az=52.0.

ISC	**VIII**	**23 01 03 20.7–.69**	**24.0S–.10**	**179.9E–.10**	**518**	**4.0b**	**28**	**14-150**
IDC	VIII	23 01 03 18.8–2.0	23.82S	179.94W	495–21	4.5,3.9		¶601766331
ISCJB	VIII	23 01 03 20.2–.64	23.90S–.08	179.9E–.10	518	4.0b,3.9		

ISC Event type ke.
ISCJB Event type ke.

ISC	**VIII**	**23 02 58 59.3–.72**	**23.7S–.10**	**179.8W–.20**	**532**	**3.9b**	**17**	**15-148**
ISCJB	VIII	23 02 58 59.0–.69	23.54S–.09	180.0W–.20	532	4.0b		¶601766334
IDC	VIII	23 02 58 59.1–2.1	23.53S	179.88W	524–23	4.3,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=11.4km az=17.2.
IDC Error ellipse: s-maj=26.2km s-min=16.5km az=158.0.

ISC	**VIII**	**23 06 49 27.5–.74**	**22.77S–.09**	**176.2W–.20**	**71**	**4.2b**	**19**	**7-146**
IDC	VIII	23 06 49 18.3–.75	22.54S	176.18W	0	4.7L,4.5		¶601766343
NEIC	VIII	23 06 49 22.3–2.9	22.53S	176.19W	27–21	4.4b,4.5		
ISCJB	VIII	23 06 49 26.0–.66	22.82S–.07	176.3W–.10	71	4.2b,4.5		

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

ISC	**VIII**	**25 14 48 36.7–.60**	**26.10S–.08**	**178.6W–.10**	**342**	**3.8b**	**23**	**3-151**
IDC	VIII	25 14 48 32.8–3.3	25.87S	178.66W	298–31	4.4,3.9		¶601766445

ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=15.9km az=3.0.

IDC	**VIII**	**27 02 04 24.6–11**	**23.24S**	**179.88W**	**273–117**	**3.9,3.4**		
								¶601766523

IDC Error ellipse: s-maj=162.8km s-min=35.5km az=2.0.

ISC	**VIII**	**27 12 25 27.1–.61**	**24.14S–.08**	**179.67W–.09**	**518**	**4.1b**	**21**	**5-149**
IDC	VIII	27 12 25 26.0–1.3	24.00S	179.85W	488–15	4.5,3.8		¶601766567
ISCJB	VIII	27 12 25 26.4–.51	24.06S–.07	179.75W–.09	518	4.1b,3.8		

ISC Event type ke.
ISCJB Event type ke.

ISC	**VIII**	**28 09 18 34.6–.61**	**23.1S–.10**	**179.3E–.10**	**553**	**3.8b**	**21**	**12-170**
IDC	VIII	28 09 18 32.7–2.6	23.05S	179.34E	518–29	4.2,3.5		¶601755510
ISCJB	VIII	28 09 18 34.7–.63	23.16S–.09	179.2E–.10	553	3.8b,3.5		

ISC Event type ke.
ISCJB Event type ke.

IDC	**IX**	**01 21 25 57.5–68**	**19.74S**	**176.22E**	**0**	**3.8,3.7**		
								¶601862742

IDC Error ellipse: s-maj=1197.0km s-min=141.6km az=79.0.

IDC	**IX**	**05 00 07 12.2–3.4**	**24.34S**	**179.00E**	**0**	**4.1,3.8b**		
								¶601862959

IDC Error ellipse: s-maj=282.1km s-min=32.6km az=164.0.

IDC	**IX**	**05 02 17 08.8–13**	**23.03S**	**179.89E**	**560–163**	**4.0,3.2**		
								¶601862964

IDC Error ellipse: s-maj=60.6km s-min=24.4km az=58.0.

ISC	**IX**	**06 14 16 21.6–.46**	**22.16S–.05**	**176.14W–.05**	**140–4**	**4.8b**	**571**	**7-171**
MOS	IX	06 14 16 15.2–.93	21.90S	176.34W	88	4.9b		¶601685419
BJI	IX	06 14 16 15.6	22.10S	176.20W	98	5.2b,5.0b		
NEIC	IX	06 14 16 16.4–1.6	22.23S	176.28W	91–14	4.9b,5.0b		
WEL	IX	06 14 16 16.0	22.23S	176.28W	91	4.9b,5.0b		
ISCJB	IX	06 14 16 18.1–1.1	22.25S–.04	176.31W–.03	119–10	5.0b,5.0b		
IDC	IX	06 14 16 22.6–.58	22.02S	176.27W	142–4	5.1,4.8		
GCMT	IX	06 14 16 23.4–.30	22.15S–.03	175.85W–.02	160–3	5.0W,4.8		

ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c40; s90,c126;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.26±.15 $M_{\theta\theta}$0.09±.18; $M_{\phi\phi}$-1.35±.18; $M_{r\theta}$-0.36±.12; $M_{\theta\phi}$0.32±.24; $M_{\phi r}$-4.11±.12; Best double couple: NP1:ϕ_s184.00000°,δ81.00000°,λ96.00000°. NP2:ϕ_s331.00000°,δ10.00000°,λ57.00000°. Principal axes: T 4.3220,Plg53.0000° ,Azm101.0000°; N 0.0380,Plg6.0000°,Azm3.0000°; P -4.3580,Plg36.0000°,Azm269.0000° M_o4.34000×10^{16}

ISC	**IX**	**06 15 28 17.5–.89**	**24.44S–.08**	**179.6E–.10**	**500**	**3.3b**	**35**	**5-148**
ISCJB	IX	06 15 28 16.3–.75	24.41S–.07	179.6E–.10	500	3.3b		¶601863052
IDC	IX	06 15 28 16.1–3.0	24.66S	179.79E	490–33	4.0,3.4		
WEL	IX	06 15 28 17.2–1.2	25S–10	179W–41	605–20	4.0,3.4		

ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

ISC	**IX**	**06 17 03 02.7–.92**	**24.0S–.10**	**179.9W–.10**	**500**	**3.9b**	**9**	**13-90**
ISCJB	IX	06 17 03 01.0–.96	24.1S–.10	179.8W–.20	500	3.9b		¶601863059
IDC	IX	06 17 03 02.4–3.3	24.05S	179.87E	472–44	4.4,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.3km s-min=11.0km az=135.9.
IDC Error ellipse: s-maj=37.2km s-min=20.1km az=160.0.

ISC	**IX**	**08 21 11 51.3–.67**	**26.2S–.10**	**177.2W–.10**	**98**	**4.2b**	**29**	**13-167**
NEIC	IX	08 21 11 46.0–1.2	25.98S	177.10W	54–11	4.2b		¶601737008
IDC	IX	08 21 11 46.4–3.5	25.96S	177.12W	54–30	4.4L,4.3		
ISCJB	IX	08 21 11 50.2–.70	26.2S–.10	177.3W–.10	98	4.1b,4.3		

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

ISC	**IX**	**11 17 31 08.2–1.5**	**22.1S–.30**	**179.8W–.20**	**600**	**3.9b**	**16**	**36-151**
IDC	IX	11 17 31 09.0–2.5	22.17S	179.75W	612–28	4.3,3.4		¶601863364

ISC Event type ke.
IDC Error ellipse: s-maj=42.2km s-min=15.8km az=154.0.

IDC	**IX**	**12 00 52 13.9–34**	**22.22S**	**178.99W**	**0**	**4.2,4.0**		
								¶601863389

IDC Error ellipse: s-maj=640.9km s-min=153.7km az=89.0.

ISC	**IX**	**12 01 16 22.8–.81**	**24.1S–.10**	**180.0E–.20**	**526**	**3.6b**	**15**	**14-169**
ISCJB	IX	12 01 16 22.2–.90	24.07S–.09	180.0E–.20	526	3.5b		¶601863391
IDC	IX	12 01 16 23.8–4.4	23.96S	179.97W	538–47	4.2,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.7km s-min=12.2km az=2.3.
IDC Error ellipse: s-maj=30.0km s-min=19.5km az=57.0.

ISC	**IX**	**12 21 52 42.0–1.4**	**22.9S–.20**	**179.6E–.20**	**650**	**3.9b**	**8**	**15-90**
IDC	IX	12 21 52 41.8–8.0	22.98S	179.65E	649–113	4.5,3.5		¶601863436

ISC Event type ke.
IDC Error ellipse: s-maj=66.1km s-min=30.2km az=17.0.

ISC	**IX**	**13 23 19 50.2–1.3**	**24.3S–.10**	**180.0E–.20**	**500**	**4.0b**	**10**	**14-148**
ISCJB	IX	13 23 19 49.1–1.8	24.2S–.10	180.0E–.30	500	4.0b		¶601863484
IDC	IX	13 23 19 50.0–6.3	24.14S	180.00E	500–69	4.4,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.8km s-min=13.4km az=171.7.
IDC Error ellipse: s-maj=47.5km s-min=38.2km az=5.0.

ISC	**IX**	**14 16 15 01.1–.38**	**23.68S–.05**	**178.98W–.08**	**417**	**4.5b**	**292**	**6-170**
BJI	IX	14 16 14 57.5	23.50S	179.10W	387	5.1b,4.6b		¶601715702
IDC	IX	14 16 14 58.9–1.3	23.58S	179.16W	390–13	4.6,4.0		
NEIC	IX	14 16 14 58.7–.98	23.71S	179.13W	394–11	4.6b,4.0		
WEL	IX	14 16 14 58.0	23.71S	179.13W	394	4.6b,4.0		
ISCJB	IX	14 16 15 00.3–.14	23.69S–.03	179.19W–.05	417	4.4b,4.0		

ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.

IDC	**IX**	**15 22 24 31.6–9.0**	**26.05S**	**177.28W**	**94–54**	**4.7L,3.6**		
								¶601863611

IDC Error ellipse: s-maj=87.5km s-min=29.4km az=50.0.

IDC	**IX**	**16 07 57 15.2–2.7**	**20.63S**	**176.52E**	**0**	**4.1,3.8b**		
								¶601863638

IDC Error ellipse: s-maj=279.0km s-min=32.4km az=163.0.

IDC	**IX**	**16 22 29 31.7–9.8**	**23.55S**	**179.34E**	**382–100**	**4.4,3.7**		
								¶601863678

IDC Error ellipse: s-maj=62.7km s-min=43.6km az=26.0.

ISC	**IX**	**18 08 51 09.1–1.9**	**23.9S–.30**	**179.7W–.30**	**400**	**3.8b**	**13**	**21-148**
IDC	IX	18 08 50 21.9–2.2	22.70S	178.73W	0	4.4,4.2		¶601863753
ISCJB	IX	18 08 51 08.6–9.2	23.9S–.60	180W–1.0	400	3.8b,4.2		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**21 03 25 50.3–.27**	**25.70S–.05**	**178.71E–.05**	**585**	**4.7b**	**580**	**5-167**
MOS	IX	21 03 25 46.9–.77	25.64S	178.55E	544	4.8b		¶601735551
IDC	IX	21 03 25 46.8–.81	25.60S	178.67E	537–7	5.2,4.4		
BJI	IX	21 03 25 47.8	25.80S	178.50E	568	4.9b,4.8b		
ISCJB	IX	21 03 25 47.2–.10	25.70S–.02	178.49E–.03	550	4.7b,4.8b		
NEIC	IX	21 03 25 48.7–.49	25.76S	178.54E	561–6	4.7b,4.8b		
WEL	IX	21 03 25 48.0	25.76S	178.54E	560	4.7b,4.8b		

ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=9.4km az=138.9.
IDC Error ellipse: s-maj=11.8km s-min=9.5km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.2km az=26.5.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=157.0.
WEL manual. confirmed.

IDC	**IX**	**22 02 23 55.0–10**	**23.46S**	**179.78W**	**552–136**	**4.4,3.6**		
								¶601863975

IDC Error ellipse: s-maj=74.3km s-min=34.5km az=5.0.

IDC	**IX**	**24 16 13 31.7–26**	**25.39S**	**179.11W**	**392–218**	**4.0,3.5**		
								¶601864104

IDC Error ellipse: s-maj=184.3km s-min=55.3km az=123.0.

ISC	**IX**	**25 05 37 57.4–.33**	**25.51S–.05**	**178.27E–.06**	**585**	**4.9b**	**298**	**5-167**
BJI	IX	25 05 37 53.6	25.10S	178.90E	565	5.0b,4.8b		¶604029873
ISCJB	IX	25 05 37 56.9–.26	25.42S–.02	178.20E–.05	585	4.9b,4.8b		
IDC	IX	25 05 37 57.7–1.4	25.49S	178.38E	587–14	5.2,4.3		
MOS	IX	25 05 37 57.9–1.2	25.41S	178.32E	611	5.2b,4.3		
WEL	IX	25 05 37 58.0	25.56S	178.33E	601	5.2b,4.3		
NEIC	IX	25 05 37 58.4–.38	25.56S	178.33E	600–4	5.2b,4.3		
GCMT	IX	25 05 38 01.4–.40	25.58S–.04	178.32E–.04	626–4	5.3W,4.3		

ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s62,c86;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05±.03 $M_{\theta\theta}$0.73±.06; $M_{\phi\phi}$-0.77±.06; $M_{r\theta}$-0.23±.06; $M_{\theta\phi}$-0.88±.05; $M_{\phi r}$-0.21±.06; Best double couple: NP1: ϕ_s70.00000°,δ86.00000°,λ-166.00000°. NP2:ϕ_s339.00000°,δ76.00000°,λ-4.00000°. Principal axes: T 1.1480,Plg7.0000°,Azm204.0000°; N 0.0970,Plg76.0000°,Azm86.0000° ; P -1.2450,Plg13.0000°,Azm295.0000° M_o1.19600×10^{17}

ISC	**IX**	**25 13 09 30.5–1.2**	**22.3S–.10**	**179.6W–.20**	**600**	**3.5b**	**9**	**13-144**
ISCJB	IX	25 13 09 29.3–1.1	22.3S–.10	179.6W–.20	600	3.4b		¶601864153
IDC	IX	25 13 09 29.4–4.6	22.17S	179.62W	589–53	4.0,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=14.5km az=168.4.
IDC Error ellipse: s-maj=31.9km s-min=21.8km az=50.0.

ISC	**IX**	**26 03 58 47.6–.59**	**25.69S–.08**	**178.38E–.10**	**650**	**3.8b**	**59**	**5-167**
ISCJB	IX	26 03 58 46.5–.50	25.71S–.05	178.30E–.09	650	3.7b		¶601864184
IDC	IX	26 03 58 47.7–1.4	25.59S	178.14E	634–17	4.4,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.7km az=168.5.
IDC Error ellipse: s-maj=16.2km s-min=13.2km az=180.0.

IDC	**IX**	**26 13 14 48.1–63**	**23.87S**	**177.84E**	**0**	**3.8,3.7**		
								¶601864205

IDC Error ellipse: s-maj=1110.0km s-min=152.2km az=86.0.

ISC	**IX**	**26 16 43 04.5–.81**	**23.50S–.08**	**179.9W–.10**	**532**	**4.2b**	**60**	**6-170**
ISCJB	IX	26 16 43 04.7–.72	23.41S–.06	179.9E–.10	532	4.1b		¶601864217
IDC	IX	26 16 43 05.7–2.1	23.45S	179.97W	540–22	4.6,3.8		
WEL	IX	26 16 43 09.1–1.0	24S–11	178W–33	597–17	4.6,3.8		

ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

ISC	**IX**	**26 17 15 52.2–.49**	**26.01S–.05**	**177.25W–.05**	**102–3**	**5.1b**	**566**	**3-169**
MOS	IX	26 17 15 47.9–1.9	25.93S	177.36W	72	5.4b		¶604029880
ISCJB	IX	26 17 15 51.8–.14	26.19S–.04	177.40W–.03	107	5.1b		
NEIC	IX	26 17 15 52.9–.61	26.04S	177.42W	104–5	5.0b		
WEL	IX	26 17 15 52.0	26.04S	177.42W	104	5.0b		
GCMT	IX	26 17 15 52.9–.20	26.02S–.01	176.87W–.01	95–1	5.2W		
BJI	IX	26 17 15 52.7	26.00S	177.40W	110	5.5b,5.2b		
IDC	IX	26 17 15 52.6–.66	25.96S	177.28W	101–5	5.1,4.9		

ISC Event type se.
MOS Error ellipse: s-maj=9.8km s-min=9.0km az=103.6.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=152.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=161.0.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c129; s108,c183;Duration: 1$\hat{s}$0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$-0.44±.02; $M_{\phi\phi}$0.50±.02; $M_{r\theta}$-0.37±.01; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$-0.63±.01; Best double couple: NP1:ϕ_s29.00000°,δ87.00000°,λ-54.00000°. NP2:ϕ_s123.00000°,δ36.00000°,λ-175.00000°. Principal axes: T 0.9120,Plg33.0000° ,Azm89.0000°; N -0.0140,Plg36.0000°,Azm207.0000°; P -0.8980,Plg37.0000° ,Azm330.0000° M_o0.90500×10^{17}

ISC	**IX**	**27 00 30 07.5–1.2**	**24.5S–.20**	**179.9W–.20**	**500**	**3.9b**	**14**	**13-169**
IDC	IX	27 00 30 04.3–4.1	24.22S	179.84W	475–37	4.2,3.6		¶601864249
ISCJB	IX	27 00 30 07.3–2.7	24.6S–.30	180.0W–.40	500	3.8b,3.6		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**27 16 54 43.2–.34**	**24.75S–.05**	**179.61W–.06**	**465**	**4.5b**	**220**	**5-168**
ISCJB	IX	27 16 54 43.1–.25	24.78S–.03	179.79W–.06	465	4.5b		¶601751152
NEIC	IX	27 16 54 44.7–.74	24.96S	179.58W	488–9	4.8b		
BJI	IX	27 16 54 44.4	24.90S	179.60W	494	5.2b,4.5b		
IDC	IX	27 16 54 47.3–1.3	24.92S	179.89W	503–13	4.5,3.8		
WEL	IX	27 16 54 48.0–1.0	25S–10	179W–45	539–20	4.5,3.8		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

ISC	**IX**	**28 09 22 53.9–.75**	**26.55S–.07**	**177.1W–.20**	**100**	**4.0b**	**27**	**3-145**
IDC	IX	28 09 22 56.1–2.4	26.62S	177.44W	116–22	4.3,4.1		¶601864348
NEIC	IX	28 09 22 57.4–1.7	26.70S	177.25W	132–15	4.5b,4.1		
WEL	IX	28 09 22 57.0	26.70S	177.25W	132	4.5b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=21.1km az=91.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=14.1km az=72.0.
WEL manual. confirmed.

ISC	**IX**	**30 22 55 46.1–.65**	**24.4S–.10**	**179.8W–.10**	**505**	**3.7b**	**18**	**13-151**
ISCJB	IX	30 22 55 45.8–.56	24.25S–.08	180.0W–.10	505	3.8b		¶601857555
IDC	IX	30 22 55 45.1–2.1	24.23S	179.91E	487–23	4.3,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=8.3km az=29.6.
IDC Error ellipse: s-maj=32.6km s-min=15.3km az=149.0.

ISC	**X**	**01 01 36 26.8–.45**	**26.23S–.06**	**178.40E–.08**	**631**	**4.4b**	**120**	**4-157**
ISCJB	X	01 01 36 25.6–.33	26.19S–.03	178.31E–.07	631	4.4b		¶601769310
IDC	X	01 01 36 26.9–1.3	26.21S	178.28E	633–16	4.5,3.7		
NEIC	X	01 01 36 27.0–.74	26.21S	178.38E	634–9	4.4b,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=173.7.
IDC Error ellipse: s-maj=16.3km s-min=12.7km az=97.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.5km az=77.0.
ISC X 01 17 24 43.9–.37 24.75S–.05 179.33W–.06 490 4.7b 220 5-168
WEL X 01 17 24 40.9–1.7 25S–15 178W–26 526–8 4.7b **¶601775518**
NEIC X 01 17 24 40.6–.50 24.75S 179.43W 446–6 5.0b
BJI X 01 17 24 40.2 24.59S 178.90W 464 4.8b,4.5b
IDC X 01 17 24 42.7–1.2 24.75S 179.58W 462–13 5.0,4.3
ISCJB X 01 17 24 43.4–.26 24.88S–.03 179.43W–.06 490 4.6b,4.3
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
ISCJB Event type se.
ISC X 02 11 48 03.9–.91 24.2S–.10 179.7W–.20 518 3.6b 10 14-92
IDC X 02 11 48 00.5–2.3 24.00S 179.75W 478–24 4.1,3.5 **¶601996797**
ISCJB X 02 11 48 03.0–.83 24.1S–.10 179.9W–.20 518 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 03 03 11 31.9–.50 26.23S–.08 177.8W–.10 150 4.1b 51 3-167
ISCJB X 03 03 11 30.7–.51 26.21S–.06 177.9W–.10 150 4.3b **¶601874829**
NEIC X 03 03 11 32.6–1.8 26.27S 177.67W 164–16 4.5b
IDC X 03 03 11 32.5–1.9 26.25S 177.65W 158–17 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.6km az=166.1.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.7km az=178.0.
IDC Error ellipse: s-maj=19.2km s-min=16.0km az=30.0.
ISC X 03 15 48 12.9–.54 23.72S–.07 179.91E–.09 535 4.2b 92 6-153
IDC X 03 15 48 11.3–2.1 23.46S 179.92E 506–21 4.7,4.0 **¶601874833**
ISCJB X 03 15 48 12.2–.28 23.58S–.04 179.82E–.06 535 4.2b,4.0
WEL X 03 15 48 12.0 23.73S 179.92W 535 4.2b,4.0
NEIC X 03 15 48 12.7–.87 23.73S 179.92E 535–11 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=14.4km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=9.2.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.6km az=165.0.
ISC X 05 16 34 37.2–1.1 26.4S–.10 177.6W–.20 100 3.9b 9 3-145
ISCJB X 05 16 34 36.1–1.2 26.43S–.09 177.6W–.20 100 3.7b **¶601874128**
IDC X 05 16 34 37.5–3.6 26.47S 177.55W 102–30 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=12.5km az=177.5.
IDC Error ellipse: s-maj=30.3km s-min=27.6km az=20.0.
IDC X 05 17 20 17.9–3.0 23.91S 179.79E 490–33 4.0,3.4
¶601997180
IDC Error ellipse: s-maj=53.6km s-min=22.1km az=165.0.
ISC X 06 07 56 28.6–.88 25.55S–.06 177.50W–.06 147–7 4.6b 360 4-168
ISCJB X 06 07 56 26.9–1.2 25.55S–.05 177.67W–.04 140–11 4.5b **¶601874129**
IDC X 06 07 56 26.8–1.3 25.45S 177.56W 129–10 4.8,4.6
GCMT X 06 07 56 27.5–.40 25.57S–.04 177.15W–.03 145–4 4.9W,4.6
BJI X 06 07 56 27.9 25.25S 177.20W 155 5.3b,5.0b
NEIC X 06 07 56 29.5–1.2 25.57S 177.62W 155–10 4.5b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=158.2.
IDC Error ellipse: s-maj=11.6km s-min=9.9km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c18; s68,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80±.16 $M_{\theta\theta}$-0.61±.21; $M_{\phi\phi}$1.41±.20; $M_{r\theta}$-1.08±.12; $M_{\theta\phi}$-0.74±.18; $M_{\phi r}$-1.95±.10; Best double couple: NP1:ϕ_s21.00000°,δ80.00000°,λ-62.00000°. NP2:ϕ_s128.00000°,δ30.00000°,λ-160.00000°. Principal axes: T 2.5490,Plg30.0000° ,Azm88.0000°; N 0.1860,Plg28.0000°,Azm195.0000°; P -2.7390,Plg47.0000°,Azm320.0000° $M_0$2.64400×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.2km az=153.0.
IDC X 08 05 25 24.5–3.6 19.38S 175.33E 0 3.8,3.5
¶601997458
IDC Error ellipse: s-maj=184.6km s-min=42.6km az=166.0.
ISC X 09 12 14 22.8–.35 23.38S–.06 179.76W–.06 532 4.5b 217 6-170
ISCJB X 09 12 14 22.4–.14 23.34S–.03 179.90W–.04 532 4.5b **¶601874138**
IDC X 09 12 14 22.7–1.3 23.28S 179.73W 530–14 4.8,4.1
NEIC X 09 12 14 24.5–.75 23.39S 179.82W 549–9 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=36.5.
IDC Error ellipse: s-maj=13.1km s-min=11.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=133.0.
IDC X 09 15 26 57.0–50 22.87S 177.70W 0 4.2,4.0
¶601997671
IDC Error ellipse: s-maj=916.6km s-min=148.0km az=86.0.
ISC X 12 21 57 34.5–.55 23.45S–.07 179.49W–.10 536 3.9b 25 6-170
ISCJB X 12 21 57 34.2–.55 23.40S–.07 179.7W–.10 536 3.9b **¶601998055**
IDC X 12 21 57 35.1–1.4 23.36S 179.66W 537–16 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=9.8km az=178.2.
IDC Error ellipse: s-maj=15.8km s-min=12.3km az=53.0.
ISC X 13 22 32 07.3–1.0 23.0S–.20 176.8W–.20 124 4.5b 21 16-153
NEIC X 13 22 31 56.4–.87 22.72S 176.56W 35 4.5b **¶601861537**
IDC X 13 22 32 04.5–16 22.99S 176.73W 101–137 4.4,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=16.4km az=90.0.
IDC Error ellipse: s-maj=93.2km s-min=44.1km az=13.0.
IDC X 15 02 47 22.3–2.6 26.47S 176.72W 0 4.4,4.2
¶601874160
IDC Error ellipse: s-maj=115.7km s-min=34.8km az=149.0.
IDC X 15 08 30 56.2–54 22.18S 177.51W 0 4.1,4.0
¶601998306
IDC Error ellipse: s-maj=995.8km s-min=157.5km az=85.0.
IDC X 15 23 33 18.8–2.1 22.31S 179.17W 0 4.4,4.1
¶601998384
IDC Error ellipse: s-maj=154.1km s-min=33.3km az=160.0.
IDC X 18 05 24 10.2–25 22.74S 178.49W 520–227 4.1,3.3
¶601998755
IDC Error ellipse: s-maj=269.8km s-min=36.0km az=43.0.
ISC X 18 07 56 28.2–.51 24.14S–.07 179.94W–.08 518 4.0b 32 5-169
ISCJB X 18 07 56 27.6–.44 24.05S–.06 179.97W–.09 518 4.0b **¶601998773**
IDC X 18 07 56 27.4–1.3 23.99S 179.95W 503–14 4.6,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=8.4km az=6.9.
IDC Error ellipse: s-maj=13.3km s-min=11.5km az=69.0.
IDC X 19 06 14 07.5–50 23.74S 178.21W 0 4.1,3.9
¶601998892
IDC Error ellipse: s-maj=915.8km s-min=159.7km az=87.0.
ISC X 19 17 22 04.9–.27 21.08S–.05 176.65E–.05 35 5.1b,4.3s 452 10-171
BJI X 19 17 21 59.8 21.10S 176.40E 10 5.5b,5.0b **¶601839093**
ISCJB X 19 17 22 03.2–.16 20.94S–.02 176.63E–.03 33 5.0b,4.4s
GCMT X 19 17 22 04.6–.10 21.03S–.01 176.80E–.01 17–0 5.2W,4.4s
MOS X 19 17 22 06.0–1.1 21.05S 176.55E 56 5.2b,4.4s
NEIC X 19 17 22 08.6–.89 21.04S 176.65E 74–8 5.1b,4.4s
WEL X 19 17 22 08.0 21.04S 176.65E 74 5.1b,4.4s
IDC X 19 17 22 11.6–2.7 21.05S 176.54E 96–23 4.7,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=6.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c143; s118,c198;Duration: 1ş0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.02 $M_{\theta\theta}$-0.14±.01; $M_{\phi\phi}$0.87±.01; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$0.39±.01; $M_{\phi r}$-0.33±.03; Best double couple: NP1:ϕ_s5.00000°,δ56.00000°,λ-107.00000°. NP2:ϕ_s214.00000°,δ37.00000°,λ-67.00000°. Principal axes: T 1.0580,Plg10.0000° ,Azm108.0000°; N -0.2370,Plg14.0000°,Azm15.0000°; P -0.8200,Plg73.0000° ,Azm231.0000° $M_0$0.93900×10^{17}
MOS Error ellipse: s-maj=10.3km s-min=9.8km az=176.1.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.5km az=136.0.
WEL manual. confirmed.
IDC Error ellipse: s-maj=13.5km s-min=13.0km az=102.0.

IDC X 19 20 53 20.9–26 23.46S 178.47E 662–244 4.3,3.2
¶601998973
IDC Error ellipse: s-maj=227.6km s-min=90.6km az=85.0.
ISC X 21 14 10 02.2–.62 24.2S–.20 179.9E–.10 526 3.5b 25 13-151
ISCJB X 21 14 10 01.8–.62 24.3S–.20 179.8E–.10 526 3.7b **¶601874187**
IDC X 21 14 10 05.5–2.2 24.21S 179.78E 561–24 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=12.2km az=167.3.
IDC Error ellipse: s-maj=22.5km s-min=12.7km az=170.0.
IDC X 21 17 15 03.4–63 22.51S 179.90W 0 4.2,4.0
¶601999190
IDC Error ellipse: s-maj=1124.0km s-min=159.7km az=85.0.
ISC X 21 17 53 05.0–.96 25.2S–.10 179.8E–.10 501 3.8b 28 13-91
ISCJB X 21 17 53 04.4–.84 24.97S–.10 179.8E–.10 501 3.8b **¶601999193**
IDC X 21 17 53 04.2–2.4 25.00S 179.75E 484–27 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=12.7km az=0.7.
IDC Error ellipse: s-maj=40.6km s-min=16.6km az=164.0.
IDC X 22 16 11 02.0–3.0 24.33S 179.88E 492–24 4.4,3.7
¶606962601
IDC Error ellipse: s-maj=82.3km s-min=26.3km az=162.0.
ISC X 22 22 46 58.9–.64 23.97S–.09 179.4E–.10 537 4.0b 49 12-169
ISCJB X 22 22 46 57.6–.63 23.84S–.07 179.5E–.10 537 4.0b **¶601874200**
IDC X 22 22 47 01.7–2.3 23.87S 179.32E 562–25 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=9.5km az=6.8.
IDC Error ellipse: s-maj=19.0km s-min=15.1km az=152.0.
IDC X 23 01 26 33.8–2.9 25.13S 177.96W 0 4.1,3.9
¶601999327
IDC Error ellipse: s-maj=83.9km s-min=42.5km az=33.0.
ISC X 23 02 11 14.7–.45 24.91S–.07 179.70E–.07 507 4.5b 95 5-168
IDC X 23 02 11 13.7–1.2 24.81S 179.68E 492–12 4.6,4.1 **¶601844023**
ISCJB X 23 02 11 14.1–.27 25.03S–.06 179.62E–.05 507 4.4b,4.1
NEIC X 23 02 11 15.3–.83 25.04S 179.67E 514–9 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.0km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=158.4.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.7km az=173.0.
ISC X 23 04 36 08.2–.41 24.74S–.05 179.95E–.05 513–4 4.8b 299 5-168
ISCJB X 23 04 36 07.3–.43 24.69S–.03 179.84E–.04 507–5 4.7b **¶601874208**
WEL X 23 04 36 07.0 24.79S 179.93E 507 4.7b
NEIC X 23 04 36 07.8–.54 24.79S 179.93E 508–6 4.8b
IDC X 23 04 36 08.3–.73 24.70S 179.87E 506–7 5.0,4.3
BJI X 23 04 36 08.7 24.60S 179.90W 519 5.2b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.5km az=39.4.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.3km az=138.0.
IDC Error ellipse: s-maj=10.3km s-min=9.3km az=163.0.
ISC X 24 14 20 11.7–.90 24.9S–.10 179.8E–.20 501 3.4b 10 14-148
ISCJB X 24 14 20 11.4–.97 24.7S–.10 179.7E–.20 501 3.3b **¶601999495**
IDC X 24 14 20 11.9–7.4 24.94S 179.82E 504–89 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=14.5km az=11.7.
IDC Error ellipse: s-maj=72.1km s-min=24.8km az=2.0.
IDC X 26 01 07 02.0–6.5 20.44S 178.79E 0 4.0,3.8
¶601999673
IDC Error ellipse: s-maj=277.0km s-min=35.1km az=148.0.
ISC X 26 15 48 02.9–.74 23.6S–.10 180.0E–.10 535 4.0b 21 15-153
ISCJB X 26 15 48 01.5–.63 23.36S–.09 179.9E–.10 535 3.9b **¶601852892**
IDC X 26 15 48 02.1–1.8 23.31S 179.94E 530–19 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=12.2km az=16.3.
IDC Error ellipse: s-maj=27.5km s-min=13.5km az=163.0.
ISC X 26 21 57 17.4–1.4 23.2S–.20 179.7E–.30 400 3.4b 10 15-170
ISCJB X 26 21 57 14.9–2.3 23.1S–.20 179.9E–.40 400 3.4b **¶601999773**
IDC X 26 21 57 17.6–7.0 23.23S 179.79E 404–67 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.8km s-min=24.7km az=165.4.
IDC Error ellipse: s-maj=42.1km s-min=29.0km az=52.0.
ISC X 26 22 48 17.4–1.3 24.1S–.20 180.0W–.30 526 3.7b 10 14-148
ISCJB X 26 22 48 16.7–1.5 24.0S–.20 180.0E–.30 526 3.7b **¶601999775**
IDC X 26 22 48 16.8–5.8 24.02S 180.00E 516–67 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.4km s-min=20.1km az=7.7.
IDC Error ellipse: s-maj=48.3km s-min=36.0km az=155.0.
IDC X 27 02 59 25.3–13 26.67S 178.60W 200–104 3.7,3.4
¶601999793
IDC Error ellipse: s-maj=92.3km s-min=26.4km az=47.0.
ISC X 27 07 02 39.8–.26 22.34S–.04 179.97W–.05 550 4.8b 617 7-171
ISCJB X 27 07 02 39.4–.10 22.26S–.02 179.82E–.03 550 4.7b **¶601852495**
MOS X 27 07 02 39.0–.90 22.19S 179.87E 546 4.7b
WEL X 27 07 02 40.0 22.34S 179.90E 562 4.7b
NEIC X 27 07 02 40.9–.42 22.34S 179.90E 562–5 4.8b
IDC X 27 07 02 41.1–1.0 22.27S 179.91E 560–11 5.2,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=23.7.
MOS Error ellipse: s-maj=11.5km s-min=7.9km az=49.9.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=142.0.
IDC Error ellipse: s-maj=10.6km s-min=8.9km az=178.0.
ISC X 27 20 47 52.4–.58 25.66S–.07 179.76E–.09 493 4.2b 60 4-148
ISCJB X 27 20 47 51.8–.61 25.79S–.06 179.68E–.10 493 4.1b **¶601874222**
NEIC X 27 20 47 51.6–.88 25.69S 179.86W 524–14 4.6b
IDC X 27 20 47 53.5–1.8 25.71S 179.66E 503–20 4.5,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.1km az=162.7.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.0km az=74.0.
IDC Error ellipse: s-maj=17.8km s-min=15.4km az=18.0.
IDC X 28 07 55 13.6–6.5 25.43S 177.97W 166–69 3.7,3.6
¶601874248
IDC Error ellipse: s-maj=71.9km s-min=25.2km az=167.0.
ISC X 29 10 30 44.0–.37 24.58S–.05 179.40E–.06 531 4.5b 269 5-168
WEL X 29 10 30 42.0 24.58S 179.37E 508 4.5b **¶601861571**
NEIC X 29 10 30 42.3–.60 24.58S 179.37E 508–7 4.8b
BJI X 29 10 30 42.7 24.70S 179.33E 531 5.1b,4.6b
ISCJB X 29 10 30 43.8–.25 24.55S–.02 179.21E–.06 531 4.5b,4.6b
IDC X 29 10 30 45.8–1.1 24.56S 179.13E 535–12 4.7,3.9
ISC Event type se.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.6km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.0km az=175.5.
IDC Error ellipse: s-maj=11.5km s-min=10.5km az=104.0.
IDC X 29 12 17 37.2–4.8 24.60S 176.03W 0 3.7,3.5
¶602000281
IDC Error ellipse: s-maj=293.6km s-min=36.5km az=156.0.
ISC X 29 18 56 27.3–1.1 23.6S–.20 180.0E–.20 535 4.1b 24 31-153
ISCJB X 29 18 56 27.1–1.4 23.6S–.20 179.8E–.20 535 4.1b **¶602000338**
IDC X 29 18 56 29.5–1.9 23.55S 179.84E 551–18 4.6,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.4km s-min=21.3km az=140.0.
IDC Error ellipse: s-maj=27.7km s-min=14.9km az=154.0.
ISC X 30 12 53 05.1–.34 24.72S–.05 179.94W–.06 496 4.4b 181 5-168
ISCJB X 30 12 53 04.7–.24 24.74S–.03 179.85E–.05 496 4.3b **¶601861591**
NEIC X 30 12 53 04.9–.55 24.82S 179.99E 490–7 4.5b
WEL X 30 12 53 04.0 24.82S 179.99E 490 4.5b
IDC X 30 12 53 05.5–1.4 24.76S 179.91E 492–14 4.6,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=175.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.3km az=102.0.
WEL manual. confirmed.

IDC Error ellipse: s-maj=14.0km s-min=11.2km az=81.0.
ISC X 31 17 07 58.6–.76 24.40S–.10 179.9W–.10 505 3.7b 16 13-148
ISCJB X 31 17 07 58.0–.62 24.40S–.08 179.9W–.10 505 3.6b **¶602000648**
IDC X 31 17 08 01.7–1.9 24.56S 179.81E 525–21 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.3km az=29.1.
IDC Error ellipse: s-maj=23.9km s-min=18.2km az=159.0.
IDC XI 01 08 37 03.0–11 23.49S 179.50E 478–84 4.0,3.2
¶602388670
IDC Error ellipse: s-maj=140.8km s-min=27.3km az=49.0.
ISC XI 02 02 17 51.1–.54 26.39S–.07 177.3W–.10 200 4.5b 50 3-167
NEIC XI 02 02 17 50.7–1.3 26.46S 177.58W 176–11 4.6b **¶601869828**
IDC XI 02 02 17 50.3–1.9 26.45S 177.57W 170–14 4.7,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=12.5km az=71.0.
IDC Error ellipse: s-maj=22.2km s-min=16.6km az=38.0.
ISC XI 02 09 43 30.5–1.7 25.02S–.08 177.35W–.08 146–14 4.7b 142 4-168
BJI XI 02 09 43 18.0 25.00S 177.30W 50 5.4b,5.1b **¶602031576**
NEIC XI 02 09 43 23.6–1.1 24.87S 177.23W 88–10 4.8b,5.1b
ISCJB XI 02 09 43 25.6–1.6 24.94S–.06 177.41W–.07 114–14 4.7b,5.1b
GCMT XI 02 09 43 27.6–.40 25.03S–.04 176.96W–.03 135–5 4.9W,5.1b
IDC XI 02 09 43 33.1–2.4 24.92S 177.44W 165–20 4.6,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=10.1km az=36.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c18; s66,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.17 $M_{\theta\theta}$-0.64±.20; $M_{\phi\phi}$0.85±.18; $M_{r\theta}$-1.29±.12; $M_{\theta\phi}$-0.30±.15; $M_{\phi r}$-2.00±.09; Best double couple: NP1:ϕ_s32.00000°,δ88.00000°,λ-71.00000°. NP2:ϕ_s128.00000°,δ19.00000°,λ-173.00000°. Principal axes: T 2.4950,Plg40.0000° ,Azm104.0000°; N 0.0460,Plg19.0000°,Azm211.0000°; P -2.5420,Plg44.0000° ,Azm320.0000° $M_0$2.51800×10^{16}
IDC Error ellipse: s-maj=14.7km s-min=11.1km az=159.0.
ISC XI 03 13 06 25.7–.86 24.46S–.08 179.7W–.10 490 3.8b 57 5-93
ISCJB XI 03 13 06 24.7–.62 24.33S–.05 179.8W–.10 490 3.7b **¶602388766**
IDC XI 03 13 06 29.0–2.7 24.41S 179.87W 529–31 4.3,3.5
WEL XI 03 13 06 30.6–1.2 25S–9.0 179W–38 516–18 4.3,3.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 03 20 49 14.3–.38 22.06S–.04 176.13W–.05 142–3 4.9b 704 7-171
MOS XI 03 20 49 08.1–1.1 21.79S 176.35W 89 5.0b **¶606794251**
BJI XI 03 20 49 10.8 21.36S 175.89W 112 5.3b,4.8b
IDC XI 03 20 49 11.6–1.4 21.90S 176.33W 112–12 4.9,4.7
ISCJB XI 03 20 49 14.5–.83 22.17S–.03 176.37W–.03 155–7 4.8b,4.7
NEIC XI 03 20 49 14.3–.13 22.03S 176.32W 142 4.8b,4.7
GCMT XI 03 20 49 15.3–.10 22.09S–.01 175.92W–.01 147–0 5.5W,4.7
WEL XI 03 20 49 28.7–1.4 24S–23 174W–47 247–12 5.5W,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c187; s128,c237;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$0.27±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$-0.98±.02; $M_{\theta\phi}$-0.26±.03; $M_{\phi r}$-1.33±.02; Best double couple: NP1:ϕ_s213.00000°,δ75.00000°,λ106.00000°. NP2:ϕ_s344.00000°,δ22.00000°,λ44.00000°. Principal axes: T 1.9520,Plg57.0000° ,Azm144.0000°; N 0.0910,Plg16.0000°,Azm28.0000°; P -2.0430,Plg28.0000°,Azm289.0000° $M_0$1.99700×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 04 17 07 11.4–.41 24.50S–.05 179.18W–.07 400 4.1b 159 5-169
BJI XI 04 17 07 06.6 24.08S 179.19W 353 4.9b,4.6b **¶602031617**
IDC XI 04 17 07 09.6–1.5 24.32S 179.27W 378–15 4.4,3.9
ISCJB XI 04 17 07 10.6–.30 24.48S–.03 179.28W–.06 400 4.1b,3.9
WEL XI 04 17 07 11.6–1.3 25S–11 177W–30 458–10 4.1b,3.9
NEIC XI 04 17 07 12.5–.97 24.69S 179.21W 412–12 4.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=11.0km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=179.8.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.8km az=150.0.
ISC XI 05 05 39 21.1–.60 26.93S–.08 177.4W–.10 100 4.1b 40 2-166
ISCJB XI 05 05 39 20.0–.48 26.92S–.06 177.5W–.10 100 4.1b **¶602031636**
NEIC XI 05 05 39 21.7–1.9 26.95S 177.43W 104–16 4.2b
IDC XI 05 05 39 22.5–2.6 26.99S 177.42W 109–21 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.6km az=178.5.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=14.0km az=214.0.
IDC Error ellipse: s-maj=24.4km s-min=18.3km az=47.0.
IDC XI 07 17 06 04.7–61 22.98S 178.63E 0 4.2,4.0
¶602388965
IDC Error ellipse: s-maj=1080.0km s-min=145.1km az=85.0.
ISC XI 07 20 51 11.7–.91 24.5S–.30 179.6W–.10 500 3.6b 12 13-133
ISCJB XI 07 20 51 11.0–.81 24.5S–.20 179.7W–.10 500 3.7b **¶602388988**
IDC XI 07 20 51 11.7–3.2 23.71S 179.98E 488–25 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.8km s-min=17.4km az=176.7.
IDC Error ellipse: s-maj=134.9km s-min=20.9km az=159.0.
ISC XI 11 02 57 57.6–1.1 25.3S–.10 179.8W–.20 550 3.5b 41 4-161
IDC XI 11 02 56 49.7–1.9 25.78S 177.92W 0 4.2,4.0 **¶606794283**
WEL XI 11 02 57 59.9–1.1 26S–8.0 180W–27 562–14 4.2,4.0
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 12 00 27 25.6–.54 22.04S–.09 177.63W–.10 35 4.2b 23 10-171
IDC XI 12 00 27 20.8–2.4 22.06S 177.64W 0 4.3,4.1 **¶601991742**
NEIC XI 12 00 27 22.1–.34 22.08S 177.65W 10 4.2b,4.1
ISCJB XI 12 00 27 23.9–.48 22.12S–.09 177.65W–.09 33 4.4b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 12 10 32 24.5–.40 24.02S–.04 179.89W–.04 506–4 4.9b 605 5-169
ISCJB XI 12 10 32 23.8–.47 23.95S–.03 179.99E–.03 502–5 4.8b **¶601991769**
MOS XI 12 10 32 23.6–.72 23.89S 179.95W 500 4.9b
IDC XI 12 10 32 24.5–.57 23.95S 179.91W 501–6 5.2,4.4
NEIC XI 12 10 32 25.7–.53 24.04S 179.97W 519–6 4.9b,4.4
BJI XI 12 10 32 27.1 23.72S 179.95W 528 5.1b,4.8b
WEL XI 12 10 32 30.8–.95 25S–6.0 179W–27 518–16 5.1b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 12 14 47 41.5–.25 24.22S–.03 179.03E–.04 556–2 5.2b 1719 6-174
MOS XI 12 14 47 39.7–.97 24.11S 178.95E 537 5.2b **¶601888253**
ISCJB XI 12 14 47 40.9–.34 24.23S–.02 178.87E–.02 556–4 5.2b
IDC XI 12 14 47 40.6–.45 24.18S 178.97E 541–4 5.7,4.9
BJI XI 12 14 47 41.5 23.94S 179.11E 561 5.5b,5.2b
NEIC XI 12 14 47 41.5–.07 24.28S 178.92E 558 5.2b,5.2b
GCMT XI 12 14 47 44.5–.10 24.13S–.01 178.87E–.02 551–1 5.7W,5.2b
WEL XI 12 14 47 44.5–.93 25S–7.0 180W–23 644–14 5.7W,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s126,c214;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.42±.06 $M_{\theta\theta}$2.24±.10; $M_{\phi\phi}$1.18±.10; $M_{r\theta}$-1.74±.10; $M_{\theta\phi}$-2.31±.09; $M_{\phi r}$-2.93±.09; Best double couple: NP1: ϕ_s339.00000°,δ58.00000°,λ-50.00000°. NP2:ϕ_s101.00000°,δ49.00000°,λ-136.00000°. Principal axes: T 4.1220,Plg5.0000°,Azm42.0000°; N 1.5800,Plg33.0000°,Azm136.0000° ; P -5.7020,Plg56.0000°,Azm304.0000° $M_0$4.91200×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 12 16 01 00.2–.87 24.9S–.10 179.9W–.20 496 3.6b 10 13-93
IDC XI 12 16 00 57.4–2.3 24.81S 179.99W 455–27 4.1,3.5 **¶602389294**
ISCJB XI 12 16 00 59.4–.77 24.80S–.10 180.0E–.20 496 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 12 19 53 41.1–.52 24.22S–.07 179.87W–.09 518 4.0b 35 5-153
ISCJB XI 12 19 53 40.6–.44 24.06S–.06 179.9W–.10 518 3.9b **¶602389305**
IDC XI 12 19 53 40.2–1.2 23.91S 179.94W 496–12 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=8.6km az=5.4.
IDC Error ellipse: s-maj=18.7km s-min=13.9km az=157.0.
ISC XI 12 20 19 26.3–.52 25.09S–.06 179.87E–.08 501 4.5b 90 5-168
ISCJB XI 12 20 19 25.5–.33 25.03S–.03 179.79E–.06 501 4.3b **¶601890508**
IDC XI 12 20 19 25.5–1.1 24.99S 179.81E 495–11 4.4,3.9
WEL XI 12 20 19 26.0–1.2 25S–9.0 179W–27 546–12 4.4,3.9
NEIC XI 12 20 19 28.4–1.9 25.09S 179.77E 519–21 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=169.7.
IDC Error ellipse: s-maj=15.3km s-min=11.7km az=7.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.4km az=205.0.
IDC XI 13 07 33 43.8–3.1 24.11S 179.36E 0 4.7L,4.3
¶602389329
IDC Error ellipse: s-maj=63.4km s-min=53.3km az=103.0.
ISC XI 13 21 08 22.6–.85 23.3S–.20 179.8W–.10 532 3.6b 15 35-170
IDC XI 13 21 08 14.5–7.8 23.24S 179.43W 446–79 3.9,3.4 **¶602389359**
ISCJB XI 13 21 08 21.2–.94 23.2S–.20 179.8W–.20 532 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC XI 14 03 19 21.6–15 22.41S 176.90W 122–143 4.1,4.0
¶602389366
IDC Error ellipse: s-maj=114.3km s-min=33.0km az=160.0.
IDC XI 14 09 25 24.3–6.5 23.65S 179.11W 0 4.2,4.1
¶601991953
IDC Error ellipse: s-maj=160.8km s-min=101.1km az=140.0.
IDC XI 15 10 29 45.8–7.4 23.60S 176.17W 272–87 4.3,4.0s
¶602389444
IDC Error ellipse: s-maj=95.6km s-min=46.1km az=139.0.
ISC XI 15 14 15 38.5–.99 25.8S–.10 177.7W–.20 160 3.6b 13 3-148
IDC XI 15 14 15 37.6–3.5 25.71S 177.60W 148–32 3.9,3.8 **¶602389460**
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=22.9km az=171.0.
ISC XI 15 15 47 08.1–.40 25.88S–.04 178.39E–.05 629–4 4.9b 793 5-173
NEIC XI 15 15 47 07.6–.10 25.87S 178.26E 622 4.9b **¶601902274**
IDC XI 15 15 47 07.9–.77 25.80S 178.31E 621–8 5.0,4.1
ISCJB XI 15 15 47 07.6–.30 25.92S–.02 178.18E–.03 634–4 4.9b,4.1
MOS XI 15 15 47 07.1–1.0 25.77S 178.25E 625 5.1b,4.1
BJI XI 15 15 47 08.4 25.66S 178.55E 644 5.1b,4.9b
WEL XI 15 15 47 14.4–.84 27S–5.0 179E–23 691–16 5.1b,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 16 00 07 35.3–.34 25.16S–.05 179.76E–.06 501 4.4b 291 5-168
ISCJB XI 16 00 07 34.8–.14 25.10S–.02 179.63E–.04 501 4.4b **¶601903365**
IDC XI 16 00 07 34.8–.63 25.02S 179.78E 497–5 4.8,4.1
NEIC XI 16 00 07 35.5–.36 25.16S 179.69E 504–4 4.5b,4.1
WEL XI 16 00 07 37.8–.82 25S–6.0 180W–27 550–15 4.5b,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 16 02 30 17.7–2.1 23.38S 179.61W 0 4.3,4.0
¶602389477
IDC Error ellipse: s-maj=163.1km s-min=32.9km az=160.0.
IDC XI 16 06 53 23.9–5.6 22.51S 177.46W 0 3.8,3.6
¶602389490
IDC Error ellipse: s-maj=210.2km s-min=57.8km az=141.0.
ISC XI 17 02 57 18.2–.77 26.84S–.07 178.7W–.10 350 4.0b 66 2-151
ISCJB XI 17 02 57 16.8–.69 26.77S–.05 178.8W–.10 350 3.9b **¶601992360**
IDC XI 17 02 57 18.0–1.7 26.41S 178.75W 355–16 4.5,3.9
WEL XI 17 02 57 23.4–.88 27S–10 178W–30 372–6 4.5,3.9
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 17 04 11 19.6–2.2 26.9S–.20 178.9W–.30 400 3.2b 9 12-82
IDC XI 17 04 11 10.5–11 26.65S 177.69W 404–63 4.1,3.3 **¶602389543**
ISC Event type ke.
IDC Error ellipse: s-maj=163.9km s-min=38.9km az=73.0.
IDC XI 18 16 50 04.0–61 22.58S 179.63W 0 3.7,3.5
¶602389617
IDC Error ellipse: s-maj=1106.0km s-min=147.4km az=85.0.
ISC XI 19 01 35 25.2–.49 24.5S–.10 176.2W–.10 35 4.4b,3.3s 51 11-169
IDC XI 19 01 35 20.1–.77 24.32S 176.45W 0 4.5,4.3 **¶601992812**
NEIC XI 19 01 35 25.5–.31 24.36S 176.49W 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=19.9km az=153.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.5km az=144.0.
ISC XI 19 04 33 35.6–.82 26.7S–.10 178.4W–.20 300 3.5b 11 12-83
ISCJB XI 19 04 33 34.9–.62 26.72S–.09 178.4W–.20 300 3.5b **¶601992830**
IDC XI 19 04 33 35.5–4.3 26.80S 178.50W 283–46 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=9.2km az=27.7.
IDC Error ellipse: s-maj=33.4km s-min=24.5km az=49.0.
IDC XI 20 15 32 38.4–16 23.11S 177.36W 445–77 4.1,3.3
¶602389742
IDC Error ellipse: s-maj=231.6km s-min=48.4km az=59.0.
ISC XI 20 23 23 45.6–1.4 26.3S–.10 179.4E–.20 495 3.8b 9 4-149
ISCJB XI 20 23 23 45.5–1.6 26.3S–.10 179.3E–.20 495 3.7b **¶602389758**
IDC XI 20 23 23 45.9–2.0 26.29S 179.47E 509–24 4.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.6km s-min=13.1km az=151.1.
IDC Error ellipse: s-maj=40.0km s-min=25.4km az=5.0.
ISC XI 21 12 16 55.7–.55 24.08S–.08 179.87W–.10 518 4.0b 27 5-169
IDC XI 21 12 16 54.1–1.4 24.00S 179.88W 494–15 4.4,3.6 **¶602389785**
ISCJB XI 21 12 16 55.2–.50 23.99S–.06 179.95W–.09 518 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 22 00 21 20.0–1.4 25.1S–.10 178.4W–.30 35 3.4b 7 4-99
IDC XI 22 00 21 21.1–8.1 25.15S 178.40W 45–88 4.4L,3.6 **¶601993563**
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=42.6km az=169.0.
IDC XI 22 05 18 22.4–14 23.47S 178.70E 662–194 4.3,3.4
¶602389824
IDC Error ellipse: s-maj=103.8km s-min=72.2km az=146.0.
ISC XI 23 09 59 27.5–1.2 23.9S–.10 180.0E–.20 526 4.0b 9 14-90
ISCJB XI 23 09 59 26.4–1.1 23.8S–.10 180.0E–.20 526 4.0b **¶602389876**
IDC XI 23 09 59 30.5–2.8 23.92S 179.98E 566–34 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=14.0km az=163.7.
IDC Error ellipse: s-maj=28.2km s-min=17.3km az=12.0.
IDC XI 24 01 03 52.2–48 23.24S 176.05W 0 4.2,4.0
¶602389917
IDC Error ellipse: s-maj=887.0km s-min=166.0km az=87.0.
ISC XI 24 03 02 52.6–.50 26.49S–.06 179.99W–.07 500 4.5b 113 3-167
NEIC XI 24 03 02 46.0–4.0 26.14S 179.02W 514–21 4.2b **¶601994058**
ISCJB XI 24 03 02 51.7–.36 26.47S–.03 179.94E–.06 500 4.2b
IDC XI 24 03 02 52.3–1.8 26.49S 179.82E 480–20 4.5,3.8
WEL XI 24 03 02 54.4–.82 27S–7.0 179W–23 528–13 4.5,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 24 06 09 59.6–2.2 23.6S–.10 179.8W–.30 526 3.7b 7 15-148

IDC XI 24 06 09 53.5–11 23.25S 179.70W 453–109 4.2,3.4 ¶602389927
ISC Event type ke.
IDC Error ellipse: s-maj=91.9km s-min=38.0km az=26.0.
ISC XI 24 23 49 30.3–1.7 24.9S–.10 179.7W–.30 490 3.5b 8 14-148
IDC XI 24 23 49 24.6–11 24.60S 179.66W 416–119 4.1,3.4 ¶602389947
ISC Event type ke.
IDC Error ellipse: s-maj=82.2km s-min=40.3km az=26.0.
ISC XI 25 05 32 18.2–.62 22.1S–.10 179.7E–.10 599 3.9b 50 12-162
ISCJB XI 25 05 32 17.1–.56 22.10S–.08 179.6E–.10 599 3.9b ¶602389957
IDC XI 25 05 32 19.6–2.3 21.95S 179.57E 610–26 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=10.2km az=19.0.
IDC Error ellipse: s-maj=19.3km s-min=13.4km az=149.0.
IDC XI 25 12 10 38.4–7.9 19.92S 179.73E 699–83 4.0,3.0
¶602389971

IDC Error ellipse: s-maj=186.8km s-min=35.4km az=152.0.
ISC XI 26 10 19 45.6–.55 23.69S–.06 179.90W–.08 532 4.6b 116 6-148
BJI XI 26 10 19 41.0 23.40S 179.80W 483 4.9b,4.5b ¶601994530
NEIC XI 26 10 19 41.0–.76 23.52S 179.80W 476–11 4.7b,4.5b
IDC XI 26 10 19 42.7–1.3 23.34S 179.83W 493–16 4.5,3.9
ISCJB XI 26 10 19 45.2–.36 23.61S–.04 179.96W–.07 532 4.5b,3.9
WEL XI 26 10 19 50.1–1.7 24S–13 180W–36 538–22 4.5b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 26 14 35 37.5–.47 26.48S–.06 177.7W–.10 150 4.2b 119 3-167
ISCJB XI 26 14 35 36.7–.40 26.50S–.03 177.68W–.09 150 4.1b ¶601994578
IDC XI 26 14 35 38.9–2.0 26.02S 177.58W 162–17 4.3,4.1
NEIC XI 26 14 35 39.6–1.4 26.09S 177.60W 172–13 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.1km az=11.1.
IDC Error ellipse: s-maj=18.2km s-min=16.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.5km az=169.0.
ISC XI 26 19 37 39.6–.81 24.3S–.10 179.9E–.10 526 3.8b 19 14-169
IDC XI 26 19 37 37.1–2.7 24.21S 179.96E 496–29 4.2,3.5 ¶602390004
ISCJB XI 26 19 37 38.4–.69 24.24S–.09 179.9E–.10 526 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 27 20 17 40.9–.88 24.5S–.10 179.5E–.20 531 3.5b 16 14-148
ISCJB XI 27 20 17 40.1–.89 24.41S–.09 179.4E–.20 531 3.5b ¶602390075
IDC XI 27 20 17 43.3–5.8 24.37S 179.33E 555–64 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=11.6km az=175.5.
IDC Error ellipse: s-maj=34.8km s-min=18.0km az=56.0.
ISC XI 27 20 34 33.8–1.8 24.2S–.10 179.3E–.30 537 4.0b 8 14-169
IDC XI 27 20 34 28.6–9.2 23.91S 179.37E 478–87 4.4,3.6 ¶602390077
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=31.3km az=43.0.
IDC XI 28 11 29 59.5–10 23.74S 179.99E 543–55 4.2,3.3
¶602390115

IDC Error ellipse: s-maj=167.3km s-min=41.9km az=62.0.
ISC XI 29 18 29 17.7–1.7 24.0S–.10 179.9W–.30 518 4.0b 11 14-148
IDC XI 29 18 29 16.0–3.9 23.85S 179.95W 490–35 4.4,3.6 ¶602390181
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=25.2km az=56.0.
ISC XI 29 18 52 58.0–.60 22.81S–.08 177.0W–.10 167 4.3b 42 6-153
ISCJB XI 29 18 52 56.5–.47 22.84S–.06 177.18W–.09 167 4.2b ¶602311696
NEIC XI 29 18 52 57.4–1.3 22.87S 177.12W 164–13 4.7b
IDC XI 29 18 53 00.3–2.9 22.89S 177.10W 190–26 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=28.4.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.3km az=120.0.
IDC Error ellipse: s-maj=25.1km s-min=16.4km az=133.0.
ISC XII 01 16 21 52.6–4.1 23.9S–.40 179.7E–.40 537 4.0b 21 15-66
IDC XII 01 16 20 09.5–16 21.78S 173.05W 0 4.4,4.2 ¶602320132
NEIC XII 01 16 21 41.0–1.8 23.11S 179.64W 451–19 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=315.7km s-min=149.2km az=81.0.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=24.4km az=208.0.
IDC XII 01 22 24 23.5–9.5 21.15S 178.79E 0 3.5,3.3
¶602390302

IDC Error ellipse: s-maj=425.8km s-min=66.2km az=149.0.
ISC XII 02 02 13 31.5–.51 23.24S–.09 179.92W–.10 543 4.0b 64 6-155
ISCJB XII 02 02 13 30.6–.49 23.30S–.06 179.9W–.10 543 3.8b ¶602210442
IDC XII 02 02 13 33.7–1.5 23.36S 179.92W 569–17 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=8.3km az=3.5.
IDC Error ellipse: s-maj=16.4km s-min=11.4km az=158.0.
ISC XII 02 08 00 50.4–.63 24.08S–.06 179.98E–.06 513–7 4.6b 156 5-169
ISCJB XII 02 08 00 50.3–.73 24.10S–.05 179.97E–.06 522–10 4.5b ¶602210444
IDC XII 02 08 00 51.6–1.3 24.16S 179.92E 518–13 4.6,3.8
NEIC XII 02 08 00 51.1–.54 24.09S 179.98W 522–6 4.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=38.3.
IDC Error ellipse: s-maj=12.2km s-min=11.8km az=146.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=147.0.
IDC XII 02 18 53 21.4–15 22.03S 178.47W 544–149 3.9,3.3
¶602390367

IDC Error ellipse: s-maj=177.6km s-min=63.4km az=139.0.
ISC XII 03 15 12 06.6–1.1 24.0S–.10 179.9E–.10 526 4.2b 15 14-148
ISCJB XII 03 15 12 06.3–1.1 24.0S–.10 179.9E–.20 526 4.1b ¶602390400
IDC XII 03 15 12 08.7–1.8 23.79S 179.80E 543–18 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=13.6km az=168.5.
IDC Error ellipse: s-maj=39.1km s-min=16.4km az=167.0.
ISC XII 04 04 24 03.1–1.2 26.4S–.10 179.0E–.10 500 27 4-148
ISCJB XII 04 04 24 02.3–.84 26.34S–.07 178.98E–.10 500 3.4b ¶602390428
IDC XII 04 04 24 02.8–1.7 26.36S 179.20E 516–20 4.4,3.6
WEL XII 04 04 24 04.6–1.5 27S–14 178W–42 626–13 4.4,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 04 08 15 46.6–3.6 23.20S 179.50E 485–34 4.0,3.4
¶602390443

IDC Error ellipse: s-maj=113.5km s-min=28.0km az=161.0.
ISC XII 05 14 51 13.8–1.6 24.9S–.10 179.6E–.20 507 3.3b 7 12-93
ISCJB XII 05 14 51 13.1–1.5 24.9S–.20 179.5E–.20 507 3.3b ¶602390506
IDC XII 05 14 51 13.4–4.7 24.84S 179.51E 499–55 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.0km s-min=20.5km az=160.8.
IDC Error ellipse: s-maj=38.2km s-min=27.2km az=51.0.
ISC XII 06 09 14 59.0–.99 22.0S–.20 179.6W–.20 592 3.9b 10 32-144
ISCJB XII 06 09 14 57.8–.89 22.0S–.20 179.6W–.20 592 3.8b ¶602390546
IDC XII 06 09 14 59.6–8.2 22.00S 179.62W 600–98 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.8km s-min=20.5km az=172.1.
IDC Error ellipse: s-maj=44.4km s-min=21.3km az=64.0.
IDC XII 06 23 04 36.4–6.4 24.20S 179.64E 568–77 4.1,3.3
¶602390562

IDC Error ellipse: s-maj=41.7km s-min=36.2km az=166.0.
IDC XII 07 14 32 27.9–29 22.69S 177.82W 0 4.2,4.0
¶602390686

IDC Error ellipse: s-maj=545.2km s-min=142.0km az=91.0.
IDC XII 08 00 53 41.9–6.1 24.48S 178.68E 540–41 4.4,3.5
¶602390764

IDC Error ellipse: s-maj=92.7km s-min=53.1km az=143.0.
ISC XII 08 08 40 54.5–1.0 22.9S–.10 177.3W–.20 250 3.5b 10 10-147
ISCJB XII 08 08 40 53.8–.92 22.82S–.09 177.4W–.20 250 3.7b ¶602390801
IDC XII 08 08 40 57.4–3.1 22.56S 177.55W 265–31 4.2,3.7
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=10.7km az=20.3.
IDC Error ellipse: s-maj=44.6km s-min=17.0km az=144.0.
IDC XII 09 07 03 52.0–1.9 23.31S 179.73W 526–20 4.4,3.7
¶602390887

IDC Error ellipse: s-maj=25.1km s-min=18.3km az=157.0.
ISC XII 09 19 33 04.4–1.7 23.4S–.20 179.7W–.30 536 3.9b 10 15-147
IDC XII 09 19 33 02.7–9.6 23.25S 179.68W 516–92 4.2,3.4 ¶602390922
ISC Event type ke.
IDC Error ellipse: s-maj=78.3km s-min=20.2km az=45.0.
IDC XII 10 15 25 16.5–12 24.23S 179.51W 533–55 4.1,3.2
¶602390989

IDC Error ellipse: s-maj=214.4km s-min=48.3km az=58.0.
ISC XII 11 13 16 27.0–1.1 24.0S–.10 179.9W–.20 550 3.5b 38 6-145
IDC XII 11 13 16 22.9–3.3 23.75S 179.92E 496–34 4.1,3.4 ¶602391093
WEL XII 11 13 16 28.4–2.2 24S–24 179W–28 569–22 4.1,3.4
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 11 15 09 40.9–.78 24.9S–.10 177.0W–.10 126 4.5b 27 9-150
ISCJB XII 11 15 09 38.9–.70 24.93S–.09 177.0W–.10 126 4.5b ¶602057895
NEIC XII 11 15 09 38.2–1.2 24.88S 177.15W 92–14 4.6b
IDC XII 11 15 09 39.3–9.3 24.79S 177.11W 101–73 4.6,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=9.9km az=35.7.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.1km az=119.0.
IDC Error ellipse: s-maj=50.1km s-min=28.0km az=62.0.
ISC XII 11 19 51 11.9–2.6 24.1S–.20 179.4E–.30 535 3.5b 8 14-66
IDC XII 11 19 51 04.9–19 23.56S 179.90E 492–130 4.1,3.3 ¶602391117
ISC Event type ke.
IDC Error ellipse: s-maj=256.5km s-min=19.4km az=42.0.
ISC XII 12 18 01 34.3–.74 24.4S–.20 179.9W–.10 500 3.9b 21 13-169
IDC XII 12 18 01 30.2–2.3 24.24S 179.82W 459–23 4.3,3.8 ¶602391199
ISCJB XII 12 18 01 33.1–.77 24.4S–.10 179.9W–.10 500 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 12 18 32 26.9–3.1 26.75S 176.58W 0 4.1,3.8b
¶602391202

IDC Error ellipse: s-maj=264.4km s-min=32.6km az=164.0.
IDC XII 13 04 54 13.2–11 23.96S 180.00W 465–149 4.0,3.5
¶602391231

IDC Error ellipse: s-maj=90.9km s-min=31.8km az=8.0.
ISC XII 13 09 32 59.5–1.2 23.90S–.09 178.9W–.20 400 3.5b 40 5-90
IDC XII 13 09 32 56.3–2.9 23.65S 179.14W 367–23 4.1,3.6 ¶602391249
ISCJB XII 13 09 32 57.3–.95 23.84S–.07 178.9W–.20 400 3.6b,3.6
WEL XII 13 09 33 01.3–1.3 24S–10 178W–33 431–17 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 14 08 40 27.4–57 23.40S 178.51W 0 3.6,3.5
¶602391306

IDC Error ellipse: s-maj=1032.0km s-min=173.4km az=87.0.
ISC XII 14 12 16 17.4–.80 22.3S–.10 177.6W–.10 350 3.6b 16 7-152
ISCJB XII 14 12 16 15.9–.77 22.4S–.20 177.5W–.10 350 3.6b ¶602391323
IDC XII 14 12 16 15.3–5.4 22.24S 177.45W 328–52 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=14.8km az=149.0.
IDC Error ellipse: s-maj=30.1km s-min=21.1km az=156.0.
ISC XII 15 13 47 13.5–2.5 25.8S–.20 178.6W–.20 550 4.3b 18 3-44
IDC XII 15 13 46 04.4–49 24.18S 176.25W 0 4.7,4.5 ¶606818795
WEL XII 15 13 47 19.5–2.2 26S–17 179W–33 497–20 4.7,4.5
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 15 13 58 06.8–10 24.76S 178.92W 417–92 4.2,3.7
¶602391389

IDC Error ellipse: s-maj=68.7km s-min=32.7km az=53.0.
ISC XII 15 21 49 17.0–1.0 23.95S–.09 179.8W–.20 512 3.9b 55 13-148
ISCJB XII 15 21 49 15.7–.89 23.84S–.07 179.8W–.20 512 3.9b ¶602391423
IDC XII 15 21 49 15.3–2.6 23.84S 179.90W 490–24 4.3,3.6
WEL XII 15 21 49 17.5–1.2 24S–10 179W–37 579–15 4.3,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 15 23 51 40.3–.83 23.96S 177.12W 0 4.1,3.9
¶602052177

IDC Error ellipse: s-maj=36.3km s-min=25.2km az=146.0.
ISC XII 16 01 07 27.5–.64 24.2S–.10 177.2W–.10 120 3.9b 24 15-169
ISCJB XII 16 01 07 26.6–.57 24.1S–.10 177.2W–.10 120 4.0b ¶602046987
IDC XII 16 01 07 27.0–6.0 24.23S 177.13W 116–52 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=14.2km az=141.8.
IDC Error ellipse: s-maj=25.8km s-min=22.0km az=167.0.
IDC XII 16 01 17 15.5–3.0 22.45S 177.63W 0 4.0,3.7
¶602052179

IDC Error ellipse: s-maj=299.1km s-min=32.7km az=162.0.
IDC XII 16 07 23 58.9–3.1 24.05S 177.09W 0 3.9,3.7
¶602391455

IDC Error ellipse: s-maj=219.4km s-min=34.0km az=161.0.
IDC XII 16 22 54 17.3–13 23.58S 179.79E 406–156 3.6,3.2
¶602391495

IDC Error ellipse: s-maj=246.4km s-min=44.4km az=170.0.
IDC XII 17 09 50 27.6–54 22.51S 178.02W 0 4.0,3.8
¶602391534

IDC Error ellipse: s-maj=985.9km s-min=160.2km az=86.0.
ISC XII 17 14 59 15.2–1.1 24.8S–.20 177.5W–.30 176 3.6b 12 14-150
IDC XII 17 14 59 09.0–9.9 24.62S 177.40W 121–82 4.4L,4.2 ¶602391549
ISCJB XII 17 14 59 13.8–.99 24.8S–.20 177.5W–.20 176 3.8b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC XII 20 05 30 34.6–5.6 22.63S 179.03W 0 3.8,3.6
¶602391711

IDC Error ellipse: s-maj=299.3km s-min=82.8km az=159.0.
ISC XII 20 06 48 52.3–1.9 25.4S–.10 180.0E–.20 493 4.1b 10 13-144
IDC XII 20 06 48 56.7–5.2 25.65S 179.75E 542–44 4.5,3.6 ¶602090211
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=23.4km az=51.0.
IDC XII 21 00 11 34.5–14 22.84S 179.26W 421–102 4.4,3.7
¶602391763

IDC Error ellipse: s-maj=158.8km s-min=24.5km az=43.0.
IDC XII 21 19 27 18.7–14 24.16S 179.97W 340–139 4.2,3.7
¶602391822

IDC Error ellipse: s-maj=93.1km s-min=46.8km az=168.0.
ISC XII 22 14 05 11.4–.67 23.65S–.07 179.7W–.10 536 48 6-148
ISCJB XII 22 14 05 10.9–.57 23.45S–.06 179.8W–.10 536 ¶602391869
IDC XII 22 14 05 10.3–2.0 23.66S 179.66W 522–21 4.4,3.7
WEL XII 22 14 05 15.2–1.5 24S–12 179W–34 599–15 4.4,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 23 01 40 33.4–1.4 24.2S–.10 179.9W–.20 500 3.5b 7 14-90
ISCJB XII 23 01 40 32.5–1.3 24.1S–.10 180.0W–.20 500 3.4b ¶602391901
IDC XII 23 01 40 33.8–8.3 24.15S 179.91W 506–102 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.9km s-min=15.2km az=173.7.
IDC Error ellipse: s-maj=54.4km s-min=25.9km az=23.0.
IDC XII 23 03 57 01.4–3.2 23.52S 179.80W 489–34 3.8,3.3
¶602391905

IDC Error ellipse: s-maj=32.0km s-min=24.9km az=157.0.
IDC XII 23 23 59 14.5–16 24.73S 179.29E 642–205 4.1,3.3
¶602391955

IDC Error ellipse: s-maj=223.1km s-min=61.3km az=156.0.
ISC XII 25 08 47 34.9–.46 26.71S–.07 177.4W–.10 150 4.1b 55 3-166
NEIC XII 25 08 47 33.0–.97 26.47S 177.62W 122–10 4.2b ¶602090241

IDC XII 25 08 47 39.5–2.2 26.41S 177.70W 176–23 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.0km az=139.0.
IDC Error ellipse: s-maj=28.5km s-min=19.2km az=4.0.
ISC XII 26 05 17 35.2–.43 24.53S–.05 179.76W–.04 509–4 4.8b 531 5-169
BJI XII 26 05 17 26.9 24.34S 179.25W 451 5.2b,4.8b **¶602090249**
IDC XII 26 05 17 34.8–.62 24.42S 179.94W 500–6 5.0,4.3
ISCJB XII 26 05 17 34.4–.43 24.45S–.03 179.94W–.03 503–5 4.7b,4.3
WEL XII 26 05 17 35.0 24.56S 179.88W 511 4.7b,4.3
NEIC XII 26 05 17 35.4–.48 24.56S 179.88W 510–5 4.8b,4.3
GCMT XII 26 05 17 39.4–.50 24.28S–.06 179.89E–.04 503–3 5.2W,4.3
ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s62,c77;Duration: 1$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.77±.32 $M_{\theta\theta}$0.24±.55; $M_{\phi\phi}$2.53±.44; $M_{r\theta}$-1.04±.53; $M_{\theta\phi}$0.55±.47; $M_{\phi r}$-7.58±.46; Best double couple: NP1:ϕ_s8.00000° ,δ80.00000°,λ-92.00000°. NP2:ϕ_s197.00000°,δ10.00000°,λ-81.00000°. Principal axes: T 8.0520,Plg35.0000°,Azm99.0000°; N 0.1310,Plg1.0000°,Azm8.0000° ; P -8.1830,Plg55.0000°,Azm276.0000° $M_0$8.11800×10^{16}
ISC XII 26 19 43 59.7–.75 25.92S–.08 179.1W–.10 450 3.5b 59 3-149
IDC XII 26 19 43 57.5–2.7 25.89S 179.20W 419–29 4.2,3.6 **¶602090252**
WEL XII 26 19 43 57.7–1.2 26S–12 178W–40 446–16 4.2,3.6
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 27 17 45 25.6–.68 24.2S–.10 179.96W–.09 500 20 13-93
ISCJB XII 27 17 45 24.7–.57 24.14S–.09 179.98W–.09 500 **¶602380724**
IDC XII 27 17 45 26.3–1.7 23.98S 179.99W 502–19 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=11.1km az=41.3.
IDC Error ellipse: s-maj=26.6km s-min=12.0km az=172.0.
IDC XII 27 21 59 25.9–15 24.04S 178.61W 548–157 4.1,3.2 ¶602380736
IDC Error ellipse: s-maj=280.8km s-min=95.0km az=66.0.
ISC XII 28 00 05 06.0–.47 26.19S–.08 177.6W–.10 161 4.4b 66 3-167
NEIC XII 28 00 05 02.1–1.1 26.02S 177.47W 127–10 4.6b **¶602090257**
IDC XII 28 00 05 02.4–2.6 25.96S 177.65W 124–23 4.2,4.1
ISCJB XII 28 00 05 04.7–.39 26.20S–.06 177.57W–.08 161 4.2b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 28 06 00 19.5–.67 23.84S–.10 179.9E–.10 548 3.9b 22 12-153
ISCJB XII 28 06 00 18.9–.66 23.77S–.09 179.9E–.10 548 3.7b **¶602380763**
IDC XII 28 06 00 23.1–2.7 23.65S 179.71E 585–31 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=11.7km az=179.0.
IDC Error ellipse: s-maj=23.8km s-min=16.5km az=166.0.
ISC XII 28 21 28 51.7–1.0 24.2S–.10 179.9W–.20 518 3.8b 16 13-148
IDC XII 28 21 28 50.4–2.6 24.16S 179.89W 506–21 4.3,3.6 **¶602380800**
ISCJB XII 28 21 28 51.2–1.0 24.1S–.10 180.0E–.20 518 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 29 04 38 26.8–.47 26.15S–.05 177.22W–.06 103–4 4.9b 450 3-167
ISCJB XII 29 04 38 24.6–1.1 26.16S–.05 177.31W–.05 93–10 4.8b **¶602090270**
MOS XII 29 04 38 24.3–.92 25.94S 177.28W 85 5.0b
IDC XII 29 04 38 25.7–1.8 25.89S 177.18W 91–15 4.8,4.6
NEIC XII 29 04 38 26.6–.11 26.05S 177.31W 101 4.9b,4.6
GCMT XII 29 04 38 27.6–.50 26.08S–.03 176.96W–.03 105–4 5.0W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s57,c73;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.51±.17 $M_{\theta\theta}$-4.21±.19; $M_{\phi\phi}$1.70±.18; $M_{r\theta}$-0.75±.16; $M_{\theta\phi}$0.39±.21; $M_{\phi r}$-1.28±.11; Best double couple: NP1:ϕ_s244.00000°,δ60.00000°,λ48.00000°. NP2:ϕ_s125.00000°,δ50.00000°,λ140.00000°. Principal axes: T 3.5370,Plg54.0000° ,Azm100.0000°; N 0.7650,Plg36.0000°,Azm268.0000°; P -4.3030,Plg6.0000°,Azm3.0000° $M_0$3.92000×10^{16}
ISC XII 30 16 58 44.0–.54 22.06S–.06 176.68W–.08 240–5 4.7b 148 7-171
ISCJB XII 30 16 58 39.5–1.1 21.82S–.05 176.82W–.08 203–11 4.6b **¶602090278**
BJI XII 30 16 58 39.3 22.03S 176.51W 221 5.0b,4.7b
IDC XII 30 16 58 45.8–.83 21.85S 176.81W 247–7 4.8,4.3
NEIC XII 30 16 58 45.1–.29 21.88S 176.77W 248 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.0km az=14.8.
IDC Error ellipse: s-maj=11.8km s-min=11.3km az=86.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=111.0.

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ISC VII 01 14 40 53.2–.59 15.2S–.20 173.2W–.10 35 4.1b,3.3s 23 2-146
IDC VII 01 14 40 48.3–.59 15.28S 173.25W 0 4.2,4.1 **¶601243408**
NEIC VII 01 14 40 49.9–.34 15.24S 173.27W 10 4.4b,4.1
ISCJB VII 01 14 40 51.8–.47 15.2S–.10 173.4W–.10 35 4.1b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 01 17 18 14.9–.89 18.1S–.20 175.0W–.20 238 3.6b 9 5-85
IDC VII 01 17 18 12.9–2.5 18.26S 175.28W 202–28 4.0,3.6 **¶601663366**
ISCJB VII 01 17 18 13.6–.78 18.1S–.20 175.1W–.20 238 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC VII 01 18 34 29.2–29 17.83S 175.23W 0 4.2,4.0 ¶601663371
IDC Error ellipse: s-maj=579.3km s-min=158.1km az=87.0.
ISC VII 02 03 53 32.5–.49 16.8S–.10 174.0W–.10 100 4.3b 96 4-150
ISCJB VII 02 03 53 31.8–.28 16.90S–.07 174.08W–.09 100 4.2b **¶601532794**
NEIC VII 02 03 53 31.6–1.1 16.90S 174.05W 86–9 4.4b
IDC VII 02 03 53 31.0–3.0 16.91S 174.04W 84–26 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.9km az=37.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.0km az=128.0.
IDC Error ellipse: s-maj=25.4km s-min=13.4km az=123.0.
ISC VII 02 17 33 10.3–.77 15.2S–.20 173.5W–.20 30 3.9b,3.1s 12 2-146
IDC VII 02 17 33 05.6–.72 15.19S 173.43W 0 4.2,3.9 **¶601542013**
NEIC VII 02 17 33 06.9–.56 15.14S 173.34W 10 4.4b,3.9
ISCJB VII 02 17 33 08.1–.61 15.1S–.20 173.4W–.10 30 3.9b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 02 19 25 22.9–.34 17.15S–.07 173.21W–.08 41 4.7b,4.2s 196 4-174
BJI VII 02 19 25 16.0 17.20S 172.90W 5 5.2b,4.7b **¶601233545**
IDC VII 02 19 25 16.6–.35 17.20S 173.21W 0 4.8,4.7
WEL VII 02 19 25 18.0 17.17S 173.20W 10 4.8,4.7
NEIC VII 02 19 25 18.0–.20 17.17S 173.20W 10 4.8b,4.7
ISCJB VII 02 19 25 21.4–.23 17.08S–.04 173.21W–.07 41 4.7b,4.2s
ISC Event type se.
WEL manual. confirmed.
NEIC Event type se.
ISCJB Event type se.
ISC VII 02 22 05 41.7–.68 18.77S–.09 174.2W–.10 10 4.3b 24 5-149
IDC VII 02 22 05 40.7–.72 18.88S 174.33W 0 4.4,4.2 **¶601243411**
NEIC VII 02 22 05 42.3–.37 18.86S 174.36W 10 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=16.3km az=129.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.1km az=116.0.
ISC VII 04 07 55 28.3–.85 15.2S–.30 173.2W–.20 35 3.7b 14 2-146
IDC VII 04 07 55 23.5–.80 15.25S 173.33W 0 4.5L,4.0 **¶601663465**
ISCJB VII 04 07 55 27.0–.65 15.2S–.20 173.4W–.20 35 3.6b,3.1s
ISC Event type ke.
ISCJB Event type ke.

IDC VII 04 10 17 56.0–47 15.67S 173.58W 0 4.3,4.1 ¶601663472
IDC Error ellipse: s-maj=909.0km s-min=172.3km az=78.0.
IDC VII 04 16 22 36.4–66 18.41S 175.80W 0 3.8,3.7 ¶601663481
IDC Error ellipse: s-maj=1239.0km s-min=184.7km az=81.0.
IDC VII 05 14 22 58.1–6.9 15.41S 173.03W 0 4.2,3.8b ¶601266095
IDC Error ellipse: s-maj=325.8km s-min=24.0km az=141.0.
ISC VII 06 16 40 22.8–1.5 15.8S–.50 173.0W–.30 26 4.1b,3.4s 10 2-147
IDC VII 06 16 40 18.8–1.6 15.91S 172.95W 0 4.3,4.1b **¶601266099**
ISC Event type ke.
IDC Error ellipse: s-maj=96.1km s-min=19.8km az=147.0.
ISC VII 06 23 02 21.4–7.1 16.4S–.30 173.5W–1.0 10 3.9b 10 11-74
NEIC VII 06 23 02 21.9–3.9 16.38S 173.57W 10 4.1b **¶601275646**
IDC VII 06 23 02 23.3–43 16.37S 173.98W 0 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=80.0km s-min=10.9km az=73.0.
IDC Error ellipse: s-maj=827.4km s-min=170.6km az=79.0.
IDC VII 07 04 03 18.9–17 20.72S 174.72W 0 4.3,4.2 ¶601663573
IDC Error ellipse: s-maj=326.3km s-min=154.2km az=80.0.
ISC VII 07 06 19 35.3–.47 15.2S–.10 173.5W–.10 30 4.5b,3.7s 70 2-152
IDC VII 07 06 19 30.6–.57 15.25S 173.45W 0 4.6L,4.5 **¶601243979**
NEIC VII 07 06 19 32.3–.17 15.17S 173.53W 10 4.6b,4.5
ISCJB VII 07 06 19 33.7–.26 15.15S–.07 173.64W–.08 30 4.5b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 07 15 57 55.0–.94 15.4S–.30 173.8W–.20 35 3.6b 9 2-146
IDC VII 07 15 57 49.2–1.0 15.40S 173.65W 0 4.0,3.7 **¶601663596**
ISCJB VII 07 15 57 53.3–.79 15.4S–.20 173.8W–.20 35 3.6b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 07 16 26 16.7–2.5 15.7S–.90 174.2W–.50 100 3.6b 7 3-146
ISCJB VII 07 16 26 15.3–2.4 15.6S–.90 174.2W–.50 100 3.7b **¶601663598**
IDC VII 07 16 26 16.4–4.6 16.18S 173.85W 112–28 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=144.7km s-min=11.0km az=150.8.
IDC Error ellipse: s-maj=167.0km s-min=21.8km az=146.0.
IDC VII 08 00 21 25.8–3.3 17.14S 175.90W 424–51 3.9,3.3 ¶601664264
IDC Error ellipse: s-maj=265.7km s-min=24.8km az=143.0.
ISC VII 09 10 16 52.7–.83 15.3S–.30 173.6W–.20 10 4.5b,3.5s 93 2-146
IDC VII 09 10 16 51.5–.77 15.29S 173.80W 0 4.3,4.0 **¶601266113**
NEIC VII 09 10 16 52.8–.29 15.34S 173.78W 10 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=18.1km az=141.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=6.5km az=146.0.
IDC VII 11 01 07 17.3–6.9 15.85S 173.75W 0 4.0,3.8 ¶601664410
IDC Error ellipse: s-maj=349.2km s-min=28.7km az=143.0.
ISC VII 11 03 57 13.4–.35 16.18S–.08 174.65W–.07 10 4.9s,4.8b 251 4-175
IDC VII 11 03 57 10.6–.49 15.98S 174.65W 0 4.9,4.9s **¶601263764**
ISCJB VII 11 03 57 11.6–.18 16.13S–.05 174.72W–.05 10 4.9s,4.7b
NEIC VII 11 03 57 14.4–1.0 16.10S 174.68W 19–6 4.8b,4.7b
BJI VII 11 03 57 14.4 16.08S 174.61W 16 5.5b,5.1b
GCMT VII 11 03 57 14.4–.10 15.78S 174.53W 12–0 5.4W,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=13.5km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=137.2.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.7km az=135.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s86,c127; s123,c226; Duration: 1$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$1.25±.02; $M_{\phi\phi}$1.47±.03; $M_{r\theta}$-0.21±.06; $M_{\theta\phi}$-0.59±.02; $M_{\phi r}$0.65±.08; Best double couple: NP1:ϕ_s302.00000°,δ80.00000° ,λ164.00000°. NP2:ϕ_s35.00000°,δ74.00000°,λ10.00000°. Principal axes: T 1.8200,Plg18.0000°,Azm258.0000°; N -0.4410,Plg71.0000°,Azm92.0000° ; P -1.3800,Plg4.0000°,Azm349.0000° $M_0$1.60000×10^{17}
IDC VII 11 05 06 01.0–10 16.44S 175.01W 0 4.0,3.8s ¶601664415
IDC Error ellipse: s-maj=470.9km s-min=66.9km az=141.0.
IDC VII 11 09 30 08.2–3.0 15.36S 174.04W 89–32 3.7,3.7 ¶601664421
IDC Error ellipse: s-maj=153.6km s-min=20.0km az=148.0.
ISC VII 11 12 03 04.7–.48 16.2S–.10 174.7W–.10 200 4.4b 44 4-149
ISCJB VII 11 12 03 02.5–.52 16.1S–.10 174.5W–.10 200 4.2b **¶601263767**
IDC VII 11 12 03 06.7–1.1 16.10S 174.54W 224–11 4.6,4.2
NEIC VII 11 12 03 07.5–.98 16.17S 174.52W 235–9 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=12.6km az=140.2.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=138.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.7km az=138.0.
ISC VII 12 04 07 17.9–.47 20.3S–.10 174.12W–.10 27 4.7b 94 13-151
IDC VII 12 04 07 13.4–.52 20.30S 174.07W 0 4.5,4.4 **¶601625024**
ISCJB VII 12 04 07 16.5–.26 20.34S–.06 174.24W–.06 27 4.7b,4.4
NEIC VII 12 04 07 22.0–3.2 20.33S 174.23W 61–28 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.6km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=139.4.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.6km az=159.0.
IDC VII 12 19 18 03.9–2.6 16.39S 173.23W 0 3.9,3.7 ¶601664497
IDC Error ellipse: s-maj=132.0km s-min=24.8km az=143.0.
ISC VII 13 11 27 35.7–.77 20.0S–.10 174.1W–.20 31 4.1b,3.5s 18 6-144
IDC VII 13 11 27 31.2–.79 20.07S 174.17W 0 4.3,4.0 **¶601564441**
NEIC VII 13 11 27 32.5–.65 20.12S 174.13W 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=18.6km az=134.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=13.1km az=129.0.
ISC VII 13 15 20 46.7–11 18.8S–.40 173W–1.0 19 4.6b 8 11-63
NEIC VII 13 15 20 43.0–8.9 18.68S 172.85W 10 4.0b **¶601625050**
IDC VII 13 15 20 43.6–15 18.21S 173.24W 0 4.8,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=174.0km s-min=23.1km az=79.0.
IDC Error ellipse: s-maj=289.6km s-min=140.8km az=80.0.
ISC VII 13 22 39 14.8–.81 17.5S–.10 173.2W–.20 28 4.2b 23 4-148
IDC VII 13 22 39 10.7–.87 17.65S 173.18W 0 4.2,4.0 **¶601273207**
ISCJB VII 13 22 39 12.9–.70 17.6S–.10 173.2W–.10 28 4.1b,4.0
NEIC VII 13 22 39 12.2–.42 17.64S 173.20W 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=18.2km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=9.2km az=35.1.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.7km az=132.0.
ISC VII 14 20 39 28.2–.61 17.84S–.09 173.1W–.10 26 5.0b,3.4s 53 4-148
IDC VII 14 20 39 23.3–.93 18.10S 172.85W 0 4.4,4.3L **¶601404942**
ISCJB VII 14 20 39 26.8–.36 17.77S–.05 173.18W–.08 26 4.9b,3.5s
NEIC VII 14 20 39 30.5–1.3 17.79S 173.13W 44–13 5.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=15.7km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=30.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=126.0.
ISC VII 14 21 02 18.0–1.3 17.0S–.40 174.7W–.30 200 3.7b 16 4-150
IDC VII 14 21 02 20.4–1.9 16.82S 174.65W 222–13 4.1,3.8 **¶601664585**
ISC Event type ke.
IDC Error ellipse: s-maj=58.1km s-min=10.4km az=147.0.
IDC VII 16 07 28 03.0–13 21.77S 175.55W 0 4.3,4.1 ¶601664663
IDC Error ellipse: s-maj=342.1km s-min=36.8km az=41.0.
IDC VII 16 17 52 25.1–3.9 16.07S 174.30W 74–29 3.7,3.7 ¶601664684

IDC Error ellipse: s-maj=121.5km s-min=19.3km az=151.0.
ISC VII 17 01 41 50.3–.55 21.30S–.10 174.0W–.10 25 4.8b,3.7s 74 8-152
IDC VII 17 01 41 46.5–.63 21.30S 174.11W 0 4.4,4.2 **¶601626168**
ISCJB VII 17 01 41 48.9–.38 21.37S–.07 174.21W–.09 25 4.5b,3.6s
NEIC VII 17 01 41 51.8–.25 21.36S 174.16W 35 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=16.5km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.8km az=38.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.8km az=132.0.
ISC VII 17 12 45 23.0–.88 18.7S–.10 173.6W–.20 31 4.2b,3.8s 26 5-149
IDC VII 17 12 45 18.6–1.0 18.64S 173.75W 0 4.4,4.1 **¶601664723**
NEIC VII 17 12 45 19.9–.56 18.67S 173.73W 10 4.3b,4.1
ISCJB VII 17 12 45 21.3–.60 18.6S–.10 173.8W–.10 31 4.1b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 20 23 49 52.6–.63 15.6S–.20 175.4W–.10 250 3.8b 17 4-147
IDC VII 20 23 49 55.8–1.1 15.70S 175.07W 287–11 4.1,3.6 **¶601664890**
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=11.5km az=140.0.
ISC VII 21 20 47 51.1–.28 15.32S–.06 173.30W–.06 42 4.9b,4.6s 594 2-175
BJI VII 21 20 47 45.5 15.02S 173.33W 8 5.3b,5.0b **¶601456912**
IDC VII 21 20 47 45.3–.41 15.25S 173.37W 0 5.8L,4.6
GCMT VII 21 20 47 46.6–.20 14.95S 173.11W 16–0 5.2W,4.6
NEIC VII 21 20 47 46.6–.13 15.20S 173.39W 10 5.0b,4.6
ISCJB VII 21 20 47 49.7–.13 15.21S–.04 173.44W–.03 42 4.9b,4.5s
MOS VII 21 20 47 49.7–1.4 15.13S 173.29W 33 5.0b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=13.5km az=116.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s66,c95; s110,c173; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.54±.12 $M_{\theta\theta}$2.55±.09; $M_{\phi\phi}$-4.09±.10; $M_{r\theta}$3.27±.33; $M_{\theta\phi}$3.03±.08; $M_{\phi r}$3.18±.31; Best double couple: NP1:ϕ_s20.00000°,δ77.00000°,λ138.00000°. NP2:ϕ_s122.00000°,δ49.00000°,λ17.00000°. Principal axes: T 7.0690,Plg38.0000°,Azm332.0000°; N -1.2300,Plg46.0000°,Azm186.0000°; P -5.8390,Plg18.0000°,Azm77.0000° $M_0$6.45400×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.3km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.5km az=141.9.
MOS Error ellipse: s-maj=10.3km s-min=7.6km az=70.6.
IDC VII 22 11 04 23.7–26 19.51S 173.04W 0 4.2,4.1
¶601664961
IDC Error ellipse: s-maj=497.1km s-min=163.2km az=75.0.
ISC VII 22 16 56 06.4–.56 21.97S–.06 174.85W–.05 32–3 5.3b,4.9s 761 5-179
ISCJB VII 22 16 56 01.6–2.7 21.93S–.04 175.01W–.03 12–16 5.2b,4.8s **¶601456943**
NEIC VII 22 16 56 02.6–.15 21.80S 175.03W 10 5.3b,4.8s
GCMT VII 22 16 56 02.6–.10 22.03S 174.48W 25–0 5.4W,4.8s
BJI VII 22 16 56 02.8 21.44S 174.86W 8 5.7b,5.4b
MOS VII 22 16 56 02.2–1.0 21.74S 175.02W 33 5.4b,4.9s
IDC VII 22 16 56 02.1–.43 21.83S 174.99W 0 5.0,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=151.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=151.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s105,c192; s120,c226; Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46±.03 $M_{\theta\theta}$-0.10±.02; $M_{\phi\phi}$-1.36±.02; $M_{r\theta}$0.44±.04; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.83±.04; Best double couple: NP1:ϕ_s25.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s199.00000°,δ29.00000°,λ84.00000°. Principal axes: T 1.7260,Plg74.0000°,Azm304.0000°; N 0.1560,Plg3.0000°,Azm204.0000°; P -1.8780,Plg16.0000°,Azm113.0000° $M_0$1.80200×10^{17}
MOS Error ellipse: s-maj=9.9km s-min=8.0km az=64.1.
IDC Error ellipse: s-maj=18.4km s-min=13.6km az=153.0.
IDC VII 23 01 47 35.5–2.1 17.18S 175.03W 0 4.3,3.9
¶601666284
IDC Error ellipse: s-maj=138.9km s-min=23.5km az=152.0.
ISC VII 23 06 40 36.4–.35 16.01S–.07 173.48W–.07 10 4.7b,4.0s 237 3-175
ISCJB VII 23 06 40 34.9–.19 16.10S–.04 173.62W–.05 10 4.6b,4.0s **¶601457931**
IDC VII 23 06 40 34.6–.41 16.07S 173.59W 0 4.6,4.5
NEIC VII 23 06 40 36.5–.14 16.07S 173.59W 10 4.7b,4.5
BJI VII 23 06 40 37.2 15.93S 173.54W 20 5.3b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=35.0.
IDC Error ellipse: s-maj=16.1km s-min=11.7km az=126.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.6km az=127.0.
ISC VII 23 10 12 43.4–.45 21.75S–.09 175.1W–.10 33 4.7b,4.0s 89 8-171
IDC VII 23 10 12 38.1–.51 21.82S 175.04W 0 4.4,4.3 **¶601459520**
NEIC VII 23 10 12 39.8–.24 21.77S 175.09W 10 4.9b,4.3
GCMT VII 23 10 12 39.8–.30 22.08S 174.39W 30–0 5.0W,4.3
ISCJB VII 23 10 12 41.7–.32 21.82S–.07 175.13W–.08 33 4.5b,4.0s
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s35,c47; s71,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.18 $M_{\theta\theta}$-0.28±.12; $M_{\phi\phi}$-3.03±.11; $M_{r\theta}$0.67±.21; $M_{\theta\phi}$-0.86±.07; $M_{\phi r}$1.51±.13; Best double couple: NP1:ϕ_s20.00000°,δ58.00000°,λ94.00000°. NP2:ϕ_s193.00000°,δ32.00000°,λ84.00000°. Principal axes: T 3.7070,Plg76.0000°,Azm301.0000°; N -0.0500,Plg3.0000°,Azm198.0000°; P -3.6610,Plg13.0000°,Azm107.0000° $M_0$3.68400×10^{16}
ISCJB Event type se.
IDC VII 24 09 26 15.6–2.4 16.97S 174.89W 182–36 4.4,4.0
¶601666366
IDC Error ellipse: s-maj=45.0km s-min=28.5km az=122.0.
ISC VII 24 13 45 28.6–.56 16.10S–.08 173.34W–.09 44–4 4.6b,3.9s 195 3-150
IDC VII 24 13 45 22.2–.47 16.28S 173.37W 0 4.6,4.5 **¶601468507**
ISCJB VII 24 13 45 27.1–.27 16.23S–.07 173.48W–.06 45 4.6b,3.9s
NEIC VII 24 13 45 28.8–.18 16.24S 173.41W 45 4.6b,3.9s
BJI VII 24 13 45 28.7 16.26S 173.64W 47 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=13.2km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=6.8km az=141.4.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=139.0.
IDC VII 24 13 51 11.9–46 15.95S 174.32W 0 4.3,4.1
¶601666378
IDC Error ellipse: s-maj=887.0km s-min=179.8km az=78.0.
IDC VII 25 01 38 54.8–5.5 16.40S 173.36W 0 4.0,3.8
¶601666397
IDC Error ellipse: s-maj=331.0km s-min=38.3km az=3.0.
IDC VII 25 09 26 32.0–2.1 15.14S 175.17W 244–43 3.9,3.5
¶601666412
IDC Error ellipse: s-maj=140.8km s-min=25.0km az=145.0.
ISC VII 26 07 28 01.3–1.1 18.6S–.20 175.6W–.20 238 3.4b 8 6-86
IDC VII 26 07 27 57.2–2.5 18.46S 175.65W 198–25 4.0,3.6 **¶601666466**
ISCJB VII 26 07 27 58.7–.94 18.4S–.20 175.5W–.20 238 3.4b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 26 10 20 05.7–.41 21.13S–.04 174.24W–.05 16–2 5.3s,5.3b 811 5-171
IDC VII 26 10 20 03.3–.35 21.05S 174.45W 0 5.0,5.0s **¶601472680**
ISCJB VII 26 10 20 04.1–.11 21.04S–.03 174.46W–.03 10 5.3s,5.2b
NEIC VII 26 10 20 05.5–.11 21.02S 174.49W 10 5.5W,5.4b
GCMT VII 26 10 20 05.5–.10 21.25S 173.82W 20–0 5.6W,5.4b
BJI VII 26 10 20 05.0 20.57S 174.27W 6 5.8b,5.4s
MOS VII 26 10 20 08.4–1.3 20.83S 174.62W 33 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=11.9km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.9km az=140.4.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.1km az=136.0. Moment Tensor Solution. s80 Moment tensor: Scale 10^{17}Nm; M_{rr}2.03 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-1.72 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.97 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s215.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ83.00000°. Principal axes: T 2.5100,Plg72.0000°,Azm275.0000°; N 0.1600,Plg6.0000°,Azm23.0000°; P -2.6600,Plg17.0000°,Azm115.0000° $M_0$2.60000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s103,c178; s131,c284;Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.90±.06 $M_{\theta\theta}$-0.36±.04; $M_{\phi\phi}$-2.54±.04; $M_{r\theta}$0.56±.08; $M_{\theta\phi}$-1.00±.02; $M_{\phi r}$1.31±.07; Best double couple: NP1:ϕ_s22.00000°,δ58.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ32.00000°,λ88.00000°. Principal axes: T 3.2310,Plg77.0000°,Azm295.0000°; N 0.0280,Plg1.0000°,Azm202.0000°; P -3.2570,Plg13.0000°,Azm111.0000° $M_0$3.24400×10^{17}
MOS Error ellipse: s-maj=10.3km s-min=8.0km az=68.8.
ISC VII 26 10 46 29.3–.66 20.9S–.10 174.0W–.20 26 4.4b 40 7-151
IDC VII 26 10 46 25.6–.72 21.01S 174.00W 0 4.4,4.2 **¶601666473**
NEIC VII 26 10 46 27.1–.38 20.92S 174.16W 10 4.6b,4.2
ISCJB VII 26 10 46 28.3–.41 21.1S–.10 174.0W–.10 26 4.3b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 26 20 59 42.9–2.0 15.2S–.40 173.6W–.40 35 4.1b 5 2-146
IDC VII 26 20 59 36.9–1.1 15.14S 173.96W 0 4.5L,4.3 **¶601666495**
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=25.7km az=154.0.
ISC VII 26 23 48 31.4–1.7 15.5S–.80 175.1W–.30 300 3.6b 8 4-146
IDC VII 26 23 48 29.8–1.4 15.63S 175.14W 281–17 4.0,3.7 **¶601666503**
ISC Event type se.
IDC Error ellipse: s-maj=114.3km s-min=14.9km az=151.0.
IDC VII 27 09 50 23.2–4.7 15.85S 173.79W 84–37 4.2,4.1
¶601666515
IDC Error ellipse: s-maj=284.6km s-min=24.5km az=142.0.
IDC VII 27 10 18 31.8–3.5 16.44S 174.42W 155–25 3.6,3.5
¶601666518
IDC Error ellipse: s-maj=132.6km s-min=18.3km az=148.0.
ISC VII 28 14 27 09.9–.78 17.6S–.20 174.5W–.20 139 4.0b 34 4-151
IDC VII 28 14 27 04.5–3.0 17.49S 174.41W 89–26 4.3,4.1 **¶601666567**
NEIC VII 28 14 27 04.9–1.4 17.46S 174.44W 93–12 4.1b,4.1
ISCJB VII 28 14 27 08.6–.69 17.5S–.10 174.5W–.10 139 3.9b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 29 03 46 01.6–3.9 15.73S 173.75W 0 3.9,3.7
¶601666604
IDC Error ellipse: s-maj=269.7km s-min=23.6km az=149.0.
ISC VII 29 11 09 57.0–.86 17.5S–.10 173.3W–.20 28 4.5b 26 4-148
IDC VII 29 11 09 52.7–1.1 17.63S 173.16W 0 4.1,3.9 **¶601521006**
ISCJB VII 29 11 09 55.5–.60 17.47S–.10 173.3W–.10 28 4.4b,3.9s
NEIC VII 29 11 09 55.2–.51 17.59S 173.28W 10 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=50.8km s-min=20.2km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=7.7km az=34.5.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=8.9km az=127.0.
ISC VII 29 16 23 57.0–1.0 15.6S–.30 175.0W–.20 262 3.6b 14 4-147
ISCJB VII 29 16 23 56.1–.97 15.5S–.30 175.1W–.10 262 3.6b **¶601666633**
IDC VII 29 16 23 56.8–1.4 15.58S 175.06W 256–23 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.8km s-min=10.4km az=156.0.
IDC Error ellipse: s-maj=62.6km s-min=15.8km az=137.0.
ISC VII 31 02 20 16.7–.49 20.97S–.06 175.33W–.06 90–4 4.7b 457 5-160
MOS VII 31 02 20 07.2–2.8 20.81S 175.47W 33 5.0b **¶601497421**
BJI VII 31 02 20 11.2 20.35S 175.41W 35 5.3b,5.1b
ISCJB VII 31 02 20 15.2–.12 21.02S–.03 175.49W–.03 90 4.6b,5.1b
IDC VII 31 02 20 16.8–.61 20.80S 175.50W 89–5 4.7,4.5
NEIC VII 31 02 20 16.6–.14 20.96S 175.55W 91 4.7b,4.5
WEL VII 31 02 20 16.0 20.96S 175.55W 91 4.7b,4.5
GCMT VII 31 02 20 16.6–.20 20.96S 175.11W 116–3 5.0W,4.5
ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=8.3km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.5km az=35.4.
IDC Error ellipse: s-maj=14.1km s-min=10.4km az=147.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.6km az=137.0.
WEL manual. confirmed.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s35,c39; s83,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06±.13 $M_{\theta\theta}$-1.12±.17; $M_{\phi\phi}$1.18±.16; $M_{r\theta}$1.01±.10; $M_{\theta\phi}$2.31±.14; $M_{\phi r}$-2.46±.08; Best double couple: NP1:ϕ_s346.00000°,δ88.00000°,λ-135.00000°. NP2:ϕ_s254.00000°,δ45.00000°,λ-2.00000°. Principal axes: T 3.4850,Plg29.0000°,Azm110.0000°; N 0.4040,Plg45.0000°,Azm348.0000°; P -3.8930,Plg32.0000°,Azm220.0000° $M_0$3.68900×10^{16}
ISC VII 31 10 07 53.3–1.5 16.0S–.50 174.9W–.30 300 3.6b 10 4-146
ISCJB VII 31 10 07 52.2–1.4 16.1S–.60 175.0W–.40 300 3.8b **¶601650813**
IDC VII 31 10 07 53.5–2.1 16.29S 174.81W 304–23 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=94.8km s-min=10.7km az=150.3.
IDC Error ellipse: s-maj=121.9km s-min=17.8km az=143.0.
IDC VII 31 10 27 53.6–31 15.83S 175.46W 0 4.2,4.1
¶601650816
IDC Error ellipse: s-maj=606.0km s-min=152.3km az=85.0.
ISC VIII 01 01 21 31.3–.60 15.9S–.20 173.2W–.20 26 4.3b,3.4s 53 2-149
IDC VIII 01 01 21 27.1–.59 15.95S 173.10W 0 4.3,4.1b **¶601534015**
NEIC VIII 01 01 21 32.0–.38 15.81S 173.21W 35 4.6b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=15.1km az=132.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=8.2km az=133.0.
ISC VIII 01 08 05 43.4–.56 16.4S–.10 174.2W–.10 100 4.0b 22 3-149
ISCJB VIII 01 08 05 42.3–.46 16.36S–.10 174.3W–.10 100 3.9b **¶601765304**
IDC VIII 01 08 05 44.2–2.8 16.37S 174.26W 105–25 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=9.4km az=36.1.
IDC Error ellipse: s-maj=22.6km s-min=13.1km az=131.0.
ISC VIII 02 03 44 02.3–.64 16.2S–.20 174.6W–.20 175 4.1b 17 3-175
ISCJB VIII 02 03 44 00.9–.54 16.1S–.10 174.6W–.10 175 3.9b **¶601765333**
IDC VIII 02 03 44 03.9–2.0 16.14S 174.54W 192–19 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=8.5km az=135.6.
IDC Error ellipse: s-maj=21.8km s-min=12.5km az=136.0.
IDC VIII 02 17 36 22.2–5.1 16.86S 175.41W 259–117 4.3,3.8
¶601765363
IDC Error ellipse: s-maj=132.1km s-min=95.4km az=111.0.
ISC VIII 03 02 52 18.7–.68 16.81S–.06 174.02W–.06 110–6 4.7b 423 4-174
ISCJB VIII 03 02 52 17.5–.16 16.79S–.04 174.18W–.04 110 4.7b **¶601513210**
BJI VIII 03 02 52 17.9 16.80S 174.20W 111 5.1b,5.0b
NEIC VIII 03 02 52 18.8–.14 16.77S 174.17W 110 4.6b,5.0b
IDC VIII 03 02 52 19.0–.71 16.71S 174.15W 111–6 4.9,4.6
GCMT VIII 03 02 52 21.8–.20 16.67S–.01 173.76W–.01 112–2 5.1W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c53; s102,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10±.15 $M_{\theta\theta}$3.40±.15; $M_{\phi\phi}$-2.30±.15; $M_{r\theta}$-1.95±.10; $M_{\theta\phi}$2.36±.16; $M_{\phi r}$-3.52±.09; Best double couple: NP1:ϕ_s31.00000°,δ83.00000°,λ-131.00000°. NP2:ϕ_s292.00000°,δ41.00000°,λ-11.00000°. Principal axes: T 5.7600,Plg26.0000°,Azm152.0000°; N -0.4490,Plg40.0000°,Azm37.0000°; P -5.3110,Plg38.0000°,Azm265.0000° $M_0$5.53500×10^{16}
ISC VIII 03 05 07 30.0–.61 21.5S–.10 174.1W–.10 10 4.4b 31 8-150
IDC VIII 03 05 07 27.7–1.5 22.24S 173.94W 0 4.4,4.4s **¶601551751**
ISCJB VIII 03 05 07 28.9–.57 21.6S–.10 174.3W–.10 10 4.5b,4.4s
NEIC VIII 03 05 07 30.2–.44 21.48S 174.21W 10 4.5b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=99.0km s-min=21.8km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=10.4km az=142.6.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.2km az=146.0.
IDC VIII 03 05 52 44.8–8.6 18.57S 175.73W 0 4.0,3.6
¶601765384
IDC Error ellipse: s-maj=395.5km s-min=37.8km az=143.0.
ISC VIII 03 15 42 53.1–.69 16.2S–.20 174.0W–.20 115 4.0b 36 3-149
IDC VIII 03 15 42 46.2–3.1 16.11S 173.93W 53–27 4.9L,4.2 **¶601521078**
ISCJB VIII 03 15 42 51.6–.61 16.1S–.10 174.1W–.20 115 4.0b,4.2

ISC Event type ke.
ISCJB Event type ke.
ISC VIII 04 04 03 38.0–1.9 16.0S–.70 174.2W–.50 115 4.0b 12 3-149
ISCJB VIII 04 04 03 36.7–1.7 15.8S–.60 174.3W–.40 115 3.9b **¶601765435**
IDC VIII 04 04 03 38.0–3.3 16.21S 174.07W 118–25 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=108.7km s-min=9.3km az=146.7.
IDC Error ellipse: s-maj=120.8km s-min=18.4km az=145.0.
IDC VIII 04 07 30 10.3–9.6 18.13S 175.98W 0 4.2,3.9b
¶601534034
IDC Error ellipse: s-maj=438.0km s-min=35.3km az=143.0.
IDC VIII 04 15 11 14.4–10 20.81S 173.84W 0 3.8,3.5b
¶601765459
IDC Error ellipse: s-maj=457.7km s-min=38.3km az=144.0.
IDC VIII 04 22 23 23.8–4.3 20.02S 175.03W 0 4.2,3.8b
¶601765471
IDC Error ellipse: s-maj=288.8km s-min=30.9km az=153.0.
IDC VIII 05 22 04 34.5–29 18.97S 175.41W 0 4.3,4.1
¶601765521
IDC Error ellipse: s-maj=566.2km s-min=145.4km az=88.0.
ISC VIII 05 22 40 48.6–.31 16.59S–.05 173.57W–.06 66 4.7b 359 3-174
BJI VIII 05 22 40 44.8 16.72S 173.40W 53 5.4b,5.0b **¶601518425**
NEIC VIII 05 22 40 46.4–.66 16.60S 173.69W 41–6 4.8b,5.0b
IDC VIII 05 22 40 46.3–2.3 16.61S 173.66W 42–21 4.7L,4.6
ISCJB VIII 05 22 40 47.4–.13 16.61S–.04 173.75W–.04 66 4.7b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 06 00 25 44.1–.55 15.1S–.10 173.43W–.09 30 4.2b,3.6s 22 2-148
IDC VIII 06 00 25 40.6–.75 15.14S 173.63W 0 5.1L,4.4 **¶601565839**
NEIC VIII 06 00 25 41.6–.37 15.20S 173.52W 10 4.4b,4.4
ISCJB VIII 06 00 25 42.6–.49 15.20S–.10 173.49W–.08 30 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 06 10 39 58.4–.90 15.2S–.30 174.1W–.20 50 3.6b 10 3-146
ISCJB VIII 06 10 39 56.6–.79 15.2S–.30 174.0W–.20 50 3.7b **¶601765549**
IDC VIII 06 10 40 01.2–3.0 15.28S 173.98W 77–27 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.0km s-min=10.4km az=150.0.
IDC Error ellipse: s-maj=39.3km s-min=18.5km az=145.0.
IDC VIII 08 07 25 26.9–2.2 16.48S 175.15W 215–21 4.1,3.7
¶601765639
IDC Error ellipse: s-maj=107.4km s-min=18.2km az=147.0.
IDC VIII 08 10 31 24.2–3.5 20.25S 175.84W 0 4.2,4.1
¶601765649
IDC Error ellipse: s-maj=237.9km s-min=67.4km az=166.0.
ISC VIII 08 13 05 42.4–1.2 19.5S–.20 174.6W–.20 10 4.3b 13 6-148
ISCJB VIII 08 13 05 41.0–1.0 19.5S–.20 174.8W–.10 10 4.4b **¶601565556**
NEIC VIII 08 13 05 42.7–.89 19.53S 174.69W 10 4.3b
IDC VIII 08 13 05 43.8–9.3 18.93S 175.33W 0 4.2,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=17.0km az=147.0.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=15.6km az=149.0.
IDC Error ellipse: s-maj=426.6km s-min=37.6km az=143.0.
ISC VIII 09 19 33 42.3–.46 17.9S–.10 174.5W–.10 35 4.6b 58 5-174
IDC VIII 09 19 33 37.1–.51 17.95S 174.63W 0 4.8,4.5 **¶601605949**
ISCJB VIII 09 19 33 40.6–.37 17.98S–.09 174.67W–.10 33 4.6b,4.5
NEIC VIII 09 19 33 42.5–5.2 17.94S 174.64W 36–45 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=16.5km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=10.7km az=43.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.3km az=144.0.
IDC VIII 12 14 36 19.9–1.8 15.59S 174.55W 267–24 3.8,3.5
¶601765777
IDC Error ellipse: s-maj=155.6km s-min=21.9km az=146.0.
ISC VIII 12 17 55 36.5–1.7 21.3S–.50 174.3W–.30 30 3.9b,3.3s 11 8-152
IDC VIII 12 17 55 31.9–1.6 21.32S 174.33W 0 4.3,4.0b **¶601765781**
ISC Event type ke.
IDC Error ellipse: s-maj=72.9km s-min=27.7km az=159.0.
ISC VIII 12 18 05 26.2–1.5 21.2S–.50 174.4W–.30 27 4.0b 11 8-152
IDC VIII 12 18 05 22.1–1.5 21.22S 174.33W 0 4.1,3.8 **¶601765782**
ISC Event type ke.
IDC Error ellipse: s-maj=74.8km s-min=24.6km az=157.0.
IDC VIII 13 20 04 20.6–3.0 16.04S 174.42W 157–25 3.9,3.8
¶601765809
IDC Error ellipse: s-maj=136.3km s-min=21.9km az=147.0.
ISC VIII 14 10 09 00.8–.65 15.5S–.10 173.1W–.10 29 4.4b 80 2-146
IDC VIII 14 10 08 56.3–.66 15.48S 173.18W 0 4.9L,4.5 **¶601765830**
ISCJB VIII 14 10 08 59.1–.32 15.49S–.09 173.25W–.09 29 4.3b,4.2s
NEIC VIII 14 10 09 00.7–2.1 15.52S 173.19W 29–14 4.4b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=33.6km s-min=15.4km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=7.2km az=135.5.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=4.9km az=135.0. Felt at Talimatau, Samoa.
ISC VIII 15 07 54 36.4–.34 16.84S–.04 173.86W–.05 92–3 4.8b 684 4-174
BJI VIII 15 07 54 34.5 16.48S 173.27W 95 5.3b,5.1b **¶601561840**
ISCJB VIII 15 07 54 35.6–.93 16.84S–.03 173.97W–.03 96–8 4.7b,5.1b
MOS VIII 15 07 54 35.8–1.3 16.75S 173.98W 90 4.7b,5.1b
NEIC VIII 15 07 54 38.5–1.0 16.78S 173.98W 107–9 4.7b,5.1b
IDC VIII 15 07 54 41.1–.64 16.79S 174.01W 129–5 4.9,4.5
GCMT VIII 15 07 54 44.5–.30 16.76S–.03 173.54W–.02 148–3 5.0W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s81,c115;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.19±.18 $M_{\theta\theta}$-1.31±.30; $M_{\phi\phi}$-0.87±.27; $M_{r\theta}$-2.88±.14; $M_{\theta\phi}$0.89±.21; $M_{\phi r}$2.65±.14; Best double couple: NP1:ϕ_s312.00000°,δ76.00000°,λ92.00000°. NP2:ϕ_s125.00000°,δ14.00000°,λ83.00000°. Principal axes: T 4.5350,Plg59.0000° ,Azm224.0000°; N -0.1870,Plg2.0000°,Azm132.0000°; P -4.3470,Plg31.0000°,Azm41.0000° $M_0$4.44100×10^{16}
IDC VIII 16 10 51 40.3–63 17.46S 175.99W 0 3.8,3.7
¶601765936
IDC Error ellipse: s-maj=1181.0km s-min=170.3km az=80.0.
ISC VIII 16 16 24 08.9–2.1 17.4S–.40 175.0W–.30 100 3.9b 11 5-147
IDC VIII 16 16 24 06.9–3.5 17.45S 174.94W 81–29 4.0,3.9 **¶601765950**
ISCJB VIII 16 16 24 07.5–1.7 17.3S–.40 175.0W–.30 100 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 18 08 27 10.8–3.7 15.47S 173.20W 0 3.8L,3.7
¶601766038
IDC Error ellipse: s-maj=232.7km s-min=22.4km az=146.0.
ISC VIII 19 00 28 59.1–.40 18.41S–.07 174.42W–.08 35 4.8b,3.5s 84 5-151
IDC VIII 19 00 28 54.2–.58 18.43S 174.51W 0 4.6,4.5 **¶601565874**
ISCJB VIII 19 00 28 58.0–.36 18.48S–.05 174.64W–.08 35 4.7b,3.5s
BJI VIII 19 00 28 57.3 18.60S 174.78W 26 5.2b,4.9b
NEIC VIII 19 00 28 59.0–.69 18.46S 174.55W 32–5 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=15.4km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=18.5.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=120.0.
ISC VIII 20 00 01 45.9–2.5 18.5S–.80 175.5W–.50 35 3.8b,3.8s 16 21-151
IDC VIII 20 00 01 44.8–3.1 15.84S 176.88W 0 4.2,4.0 **¶601766172**
ISC Event type ke.
IDC Error ellipse: s-maj=181.1km s-min=25.9km az=148.0.
ISC VIII 20 07 15 28.9–.80 17.6S–.20 173.8W–.20 10 4.1b 26 4-148
ISCJB VIII 20 07 15 27.5–.53 17.6S–.10 173.8W–.10 10 4.0b **¶601685258**
IDC VIII 20 07 15 27.4–.78 17.69S 173.77W 0 4.0,3.8
NEIC VIII 20 07 15 31.1–4.0 17.73S 173.76W 24–28 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=7.4km az=43.5.
IDC Error ellipse: s-maj=36.7km s-min=16.2km az=136.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=8.2km az=139.0.
IDC VIII 20 07 41 04.3–2.3 15.26S 174.35W 0 4.3,4.3L
¶601766181
IDC Error ellipse: s-maj=125.0km s-min=24.8km az=151.0.
ISC VIII 20 14 59 56.0–2.6 21.2S–.40 175.9W–.50 10 4.3b,3.5s 16 8-149
NEIC VIII 20 14 59 54.0–1.6 21.56S 175.54W 10 4.5b,3.5s **¶601653000**
IDC VIII 20 14 59 53.1–4.9 21.56S 175.61W 0 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=59.7km s-min=12.0km az=137.0.
IDC Error ellipse: s-maj=197.2km s-min=26.6km az=141.0.
ISC VIII 21 12 05 34.4–1.2 18.50S–.09 175.66W–.08 215–12 4.2b 64 6-149
ISCJB VIII 21 12 05 32.9–1.1 18.53S–.07 175.71W–.06 213–10 4.2b **¶601766253**
NEIC VIII 21 12 05 35.1–.91 18.52S 175.68W 223–8 4.5b
IDC VIII 21 12 05 36.4–1.9 18.61S 175.61W 238–18 4.6,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=8.2km az=148.3.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.0km az=150.0.
IDC Error ellipse: s-maj=16.1km s-min=10.6km az=149.0.
IDC VIII 21 21 00 56.9–6.0 15.48S 173.34W 0 4.4L,4.1
¶601766273
IDC Error ellipse: s-maj=319.6km s-min=26.3km az=144.0.
ISC VIII 22 10 13 55.9–.25 19.93S–.05 173.57W–.05 25 5.2b,4.6s 897 4-177
IDC VIII 22 10 13 51.9–.32 20.09S 173.63W 0 5.1,5.1 **¶604029719**
ISCJB VIII 22 10 13 54.2–.11 20.08S–.03 173.65W–.03 25 5.2b,4.5s
BJI VIII 22 10 13 55.4 19.55S 173.37W 22 5.6b,5.4b
MOS VIII 22 10 13 56.1–1.1 19.96S 173.73W 33 5.2b,4.6s
GCMT VIII 22 10 13 57.5–.20 20.18S–.02 173.08W–.01 18–0 5.1W,4.6s
NEIC VIII 22 10 13 57.5–.09 20.04S 173.66W 35 5.1b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=10.4km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.6km az=152.4.
MOS Error ellipse: s-maj=9.3km s-min=7.5km az=54.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c72; s96,c151;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.99±.17 $M_{\theta\theta}$-0.79±.10; $M_{\phi\phi}$-4.20±.11; $M_{r\theta}$1.10±.26; $M_{\theta\phi}$-1.24±.07; $M_{\phi r}$1.48±.22; Best double couple: NP1:ϕ_s24.00000°,δ55.00000°,λ97.00000°. NP2:ϕ_s193.00000°,δ35.00000°,λ81.00000°. Principal axes: T 5.3570,Plg79.0000° ,Azm318.0000°; N -0.4390,Plg5.0000°,Azm200.0000°; P -4.9140,Plg10.0000° ,Azm109.0000° $M_0$5.13500×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.5km az=147.0.
ISC VIII 22 10 25 50.3–.97 19.15S–.10 173.2W–.10 25 4.1b 8 5-77
IDC VIII 22 10 25 48.6–1.7 20.07S 173.33W 0 4.3,4.3 **¶601766297**
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=29.3km az=151.0.
IDC VIII 23 12 55 47.6–2.6 16.02S 173.54W 0 3.9,3.6
¶601766358
IDC Error ellipse: s-maj=142.5km s-min=21.4km az=146.0.
ISC VIII 24 12 31 17.4–.66 18.5S–.10 175.3W–.10 238 3.9b 18 6-147
ISCJB VIII 24 12 31 16.3–.60 18.6S–.10 175.4W–.10 238 3.8b **¶601766400**
IDC VIII 24 12 31 16.4–2.5 18.65S 175.30W 223–24 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=11.6km az=139.5.
IDC Error ellipse: s-maj=18.9km s-min=12.6km az=140.0.
IDC VIII 25 04 34 50.7–2.3 20.48S 175.33W 0 4.4,4.3
¶601766429
IDC Error ellipse: s-maj=96.4km s-min=47.0km az=160.0.
ISC VIII 26 06 37 06.6–.61 19.4S–.10 174.5W–.10 61 4.4b 49 4-150
NEIC VIII 26 06 37 03.5–.38 19.70S 174.41W 35 4.5b **¶601737797**
IDC VIII 26 06 37 06.5–3.3 19.53S 174.57W 56–29 4.3,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.9km az=151.0.
IDC Error ellipse: s-maj=23.5km s-min=12.9km az=140.0.
IDC VIII 27 04 41 43.2–4.0 19.15S 175.41W 0 4.9s,4.9
¶601766528
IDC Error ellipse: s-maj=214.8km s-min=58.3km az=151.0.
IDC VIII 28 01 58 06.8–8.0 16.60S 173.28W 0 3.9,3.7
¶601755491
IDC Error ellipse: s-maj=324.4km s-min=31.3km az=136.0.
ISC VIII 29 02 59 23.0–.64 17.1S–.10 174.0W–.10 124 4.3b 34 4-147
NEIC VIII 29 02 59 20.6–1.2 17.22S 174.11W 94–12 4.3b **¶601755543**
IDC VIII 29 02 59 21.0–3.1 17.23S 174.22W 88–32 4.2,4.0
ISCJB VIII 29 02 59 21.4–.43 17.14S–.07 174.10W–.09 124 4.5b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 29 03 01 50.8–17 20.75S 175.83W 0 4.6,4.4
¶601755545
IDC Error ellipse: s-maj=329.6km s-min=149.9km az=80.0.
IDC VIII 30 09 07 25.8–2.8 18.82S 173.82W 0 4.2,4.0b
¶601755607
IDC Error ellipse: s-maj=275.8km s-min=32.2km az=159.0.
ISC VIII 30 22 43 57.7–2.6 16.1S–.20 175.3W–.40 10 4.2b 9 13-144
IDC VIII 30 22 43 53.8–28 15.99S 175.00W 0 4.4,4.3 **¶601734402**
NEIC VIII 30 22 43 57.2–.66 16.11S 175.24W 10 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=559.7km s-min=152.4km az=85.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=12.8km az=135.0.
ISC VIII 31 22 33 21.4–.58 15.34S–.09 173.29W–.10 10 4.0b 19 2-146
ISCJB VIII 31 22 33 19.8–.52 15.43S–.09 173.38W–.09 10 3.9b **¶601755811**
IDC VIII 31 22 33 20.3–.98 15.44S 173.45W 0 4.2,3.9
NEIC VIII 31 22 33 21.4–.50 15.39S 173.36W 10 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.9km az=135.6.
IDC Error ellipse: s-maj=55.1km s-min=21.8km az=142.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.3km az=134.0.
ISC IX 01 19 46 07.0–.67 21.66S–.05 174.51W–.06 30–4 5.1b,5.0s 390 5-171
MOS IX 01 19 46 01.4–.99 21.57S 174.60W 33 5.0b,5.0s **¶601670038**
IDC IX 01 19 46 02.3–.38 21.56S 174.46W 0 5.3L,4.9
ISCJB IX 01 19 46 03.4–2.1 21.61S–.04 174.59W–.04 15–14 5.0b,5.0s
GCMT IX 01 19 46 06.9–.10 21.81S–.01 173.81W–.01 16–0 5.3W,5.0s
NEIC IX 01 19 46 07.9–1.3 21.62S 174.55W 39–11 5.2b,5.0s
BJI IX 01 19 46 08.3 21.34S 173.97W 57 5.5b,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=9.2km az=70.3.
IDC Error ellipse: s-maj=14.6km s-min=11.9km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=142.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c150; s128,c225;Duration: 1$\hat{s}$1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.25±.01; $M_{\phi\phi}$-0.68±.01; $M_{r\theta}$0.53±.04; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.59±.04; Best double couple: NP1:ϕ_s38.00000°,δ65.00000°,λ96.00000°. NP2:ϕ_s204.00000°,δ25.00000°,λ77.00000°. Principal axes: T 1.2350,Plg69.0000° ,Azm320.0000°; N -0.0360,Plg5.0000°,Azm215.0000°; P -1.1990,Plg20.0000° ,Azm123.0000° $M_0$1.21700×10^{17}
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=139.0.
IDC IX 02 18 49 27.4–5.7 16.19S 173.78W 0 4.1,4.0b
¶601862799
IDC Error ellipse: s-maj=276.6km s-min=23.3km az=141.0.
IDC IX 02 23 47 37.8–7.1 18.58S 175.91W 0 3.9,3.6
¶601862820
IDC Error ellipse: s-maj=326.6km s-min=62.2km az=145.0.
IDC IX 04 15 58 12.2–64 17.14S 174.14W 0 4.2,4.0
¶601862938
IDC Error ellipse: s-maj=1212.0km s-min=185.6km az=80.0.
IDC IX 04 16 14 22.3–27 20.55S 173.25W 0 4.4,4.3
¶601862939
IDC Error ellipse: s-maj=497.5km s-min=151.1km az=75.0.
ISC IX 04 23 26 37.4–.84 15.9S–.20 174.2W–.20 150 3.9b 9 3-90
ISCJB IX 04 23 26 35.9–.72 15.9S–.20 174.3W–.20 150 3.7b **¶601862953**
IDC IX 04 23 26 37.2–2.5 16.03S 174.31W 143–27 4.0,3.8

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.8km s-min=9.6km az=139.8.
IDC Error ellipse: s-maj=32.5km s-min=21.1km az=157.0.
IDC IX 06 17 51 46.1–26 20.06S 173.02W 0 4.5,4.3
¶601863062
IDC Error ellipse: s-maj=484.6km s-min=152.6km az=75.0.
ISC IX 06 18 41 01.5–.57 21.7S–.10 174.4W–.10 30 4.6b,3.9s 64 8-160
IDC IX 06 18 40 56.7–.61 21.72S 174.48W 0 4.6,4.5 **¶601712323**
ISCJB IX 06 18 40 59.9–.53 21.71S–.10 174.5W–.10 30 4.5b,4.0s
NEIC IX 06 18 41 02.1–.44 21.75S 174.49W 35 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=16.7km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=13.1km az=26.3.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.2km az=126.0.
ISC IX 07 10 22 19.3–1.7 15.7S–.60 173.2W–.40 29 3.9b 7 2-146
IDC IX 07 10 22 14.8–2.0 15.72S 173.17W 0 3.9,3.6 **¶601863110**
ISC Event type ke.
IDC Error ellipse: s-maj=116.4km s-min=26.0km az=146.0.
IDC IX 07 10 33 49.8–2.6 15.02S 174.92W 0 4.1,3.7
¶601863111
IDC Error ellipse: s-maj=162.7km s-min=25.2km az=148.0.
IDC IX 08 00 08 06.3–.72 21.25S 175.55W 0 4.1,3.9
¶601863131
IDC Error ellipse: s-maj=31.7km s-min=21.8km az=138.0.
IDC IX 08 16 21 58.7–28 16.13S 174.46W 0 4.2,4.0
¶601863176
IDC Error ellipse: s-maj=553.6km s-min=162.0km az=85.0.
IDC IX 10 13 58 25.9–9.4 15.56S 174.22W 0 4.7,4.6
¶601863299
IDC Error ellipse: s-maj=172.3km s-min=138.7km az=99.0.
ISC IX 10 13 58 43.4–1.2 15.1S–.40 175.0W–.20 300 4.1b 13 3-146
ISCJB IX 10 13 58 42.2–1.0 15.1S–.30 175.1W–.10 300 3.8b **¶601863302**
IDC IX 10 13 58 42.8–1.2 15.00S 175.14W 287–13 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=48.4km s-min=11.8km az=162.6.
IDC Error ellipse: s-maj=46.9km s-min=14.2km az=152.0.
IDC IX 12 01 40 07.3–4.5 15.21S 174.15W 0 4.3,4.0
¶601863392
IDC Error ellipse: s-maj=300.8km s-min=37.1km az=180.0.
ISC IX 13 21 16 40.7–.27 15.59S–.06 175.64W–.05 300 4.8b 707 4-176
ISCJB IX 13 21 16 39.6–.16 15.56S–.05 175.61W–.03 300 4.7b **¶604029816**
MOS IX 13 21 16 41.4–1.0 15.60S 175.61W 317 4.8b
BJI IX 13 21 16 42.5 15.31S 175.36W 328 4.8b,4.6b
NEIC IX 13 21 16 43.6–.47 15.56S 175.66W 328–4 4.8b,4.6b
IDC IX 13 21 16 43.1–1.1 15.58S 175.61W 322–10 4.9,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=154.2.
MOS Error ellipse: s-maj=10.6km s-min=7.6km az=58.7.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.4km az=149.0.
IDC Error ellipse: s-maj=13.9km s-min=8.0km az=143.0.
ISC IX 14 11 15 15.1–.83 15.2S–.20 173.8W–.10 73 4.5b 17 2-146
ISCJB IX 14 11 15 13.3–.67 15.2S–.20 174.0W–.10 73 4.2b **¶601851683**
IDC IX 14 11 15 13.8–3.6 15.03S 174.13W 55–36 4.3,4.2
NEIC IX 14 11 15 14.6–1.4 15.16S 174.04W 66–15 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.7km s-min=9.5km az=144.9.
IDC Error ellipse: s-maj=42.4km s-min=23.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=12.8km az=148.0.
ISC IX 15 19 48 01.3–1.1 17.2S–.30 174.9W–.30 256 3.5b 7 4-85
IDC IX 15 19 47 56.0–2.3 17.12S 174.92W 203–24 4.0,3.7 **¶601863601**
ISCJB IX 15 19 48 00.2–.89 17.2S–.20 175.0W–.20 256 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 16 13 02 53.6–.42 18.56S–.05 174.56W–.05 123–3 5.0b 714 4-174
IDC IX 16 13 02 49.3–2.5 18.40S 174.60W 78–22 5.2,4.9 **¶601717983**
MOS IX 16 13 02 51.2–2.1 17.98S 174.84W 86 5.1b,4.9
ISCJB IX 16 13 02 52.8–.10 18.37S–.02 174.73W–.03 124 5.0b,4.9
WEL IX 16 13 02 53.0 18.45S 174.66W 125 5.0b,4.9
NEIC IX 16 13 02 53.8–.11 18.45S 174.66W 125 5.0b,4.9
BJI IX 16 13 02 54.9 17.70S 174.84W 113 5.3b,5.1b
GCMT IX 16 13 02 56.8–.30 18.37S–.03 174.23W–.02 142–3 4.9W,5.1b
ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c32; s88,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.14 $M_{\theta\theta}$0.64±.21; $M_{\phi\phi}$0.94±.22; $M_{r\theta}$0.12±.12; $M_{\theta\phi}$-0.21±.23; $M_{\phi r}$-2.98±.11; Best double couple: NP1:ϕ_s356.00000°,δ78.00000°,λ-86.00000°. NP2:ϕ_s158.00000°,δ12.00000°,λ-107.00000°. Principal axes: T 2.9420,Plg33.0000° ,Azm83.0000°; N 0.6090,Plg4.0000°,Azm175.0000°; P -3.5550,Plg56.0000°,Azm270.0000° M_o3.24900×10^{16}
ISC IX 16 13 06 51.4–.73 19.5S–.10 174.3W–.20 61 4.1b 46 6-150
IDC IX 16 13 06 43.5–.91 19.39S 174.32W 0 4.5L,4.4 **¶601739617**
NEIC IX 16 13 06 45.5–3.6 19.52S 174.22W 16–21 4.5b,4.4
ISCJB IX 16 13 06 49.9–.36 19.49S–.07 174.4W–.10 61 4.1b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 16 15 03 11.6–8.4 18.61S 174.80W 0 4.1,3.8
¶601863659
IDC Error ellipse: s-maj=365.0km s-min=37.2km az=142.0.
IDC IX 17 20 00 07.2–2.2 17.67S 173.99W 0 4.3,4.1
¶601863723
IDC Error ellipse: s-maj=116.1km s-min=22.4km az=144.0.
IDC IX 17 21 36 11.9–48 17.01S 175.28W 0 4.1,3.9
¶601863729
IDC Error ellipse: s-maj=914.7km s-min=173.0km az=79.0.
ISC IX 18 09 23 25.0–.41 16.19S–.07 175.79W–.08 350 4.2b 94 4-147
ISCJB IX 18 09 23 23.9–.22 16.20S–.05 175.92W–.06 350 4.2b **¶601722614**
NEIC IX 18 09 23 24.0–.83 16.10S 175.93W 337–8 4.3b
IDC IX 18 09 23 24.7–1.2 16.10S 175.85W 343–13 4.5,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.4km az=35.1.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.3km az=129.0.
IDC Error ellipse: s-maj=19.0km s-min=9.9km az=128.0.
IDC IX 18 14 02 51.1–4.6 15.04S 173.42W 0 3.6,3.5
¶601863761
IDC Error ellipse: s-maj=363.8km s-min=22.3km az=151.0.
ISC IX 19 18 10 53.2–.84 16.5S–.20 175.6W–.20 350 3.7b 12 5-146
ISCJB IX 19 18 10 52.0–.69 16.5S–.20 175.7W–.10 350 3.6b **¶601863841**
IDC IX 19 18 10 52.7–1.9 16.49S 175.77W 335–21 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.2km s-min=10.1km az=145.3.
IDC Error ellipse: s-maj=31.5km s-min=13.2km az=140.0.
IDC IX 19 21 59 56.7–45 15.96S 174.19W 0 4.4,4.3
¶601863854
IDC Error ellipse: s-maj=860.7km s-min=171.1km az=78.0.
ISC IX 21 19 43 42.2–.40 16.29S–.06 175.84W–.07 364 4.6b 152 5-151
ISCJB IX 21 19 43 41.1–.26 16.26S–.04 175.92W–.05 364 4.5b **¶601738250**
NEIC IX 21 19 43 42.5–.58 16.22S 175.95W 362–6 4.7b
IDC IX 21 19 43 43.0–1.6 16.20S 175.95W 364–16 4.5,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=24.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=115.0.
IDC Error ellipse: s-maj=28.1km s-min=10.7km az=145.0.
ISC IX 22 06 58 27.0–.54 20.89S–.04 174.11W–.05 18–3 5.4b,5.1s 923 7-171
IDC IX 22 06 58 24.6–.37 20.88S 174.21W 0 5.2,5.2 **¶601736504**
BJI IX 22 06 58 24.6 20.64S 174.02W 6 5.8b,5.5b
ISCJB IX 22 06 58 25.6–.10 20.94S–.02 174.14W–.03 16 5.3b,5.1s
WEL IX 22 06 58 26.0 20.90S 174.19W 11 5.3b,5.1s
NEIC IX 22 06 58 26.2–.09 20.90S 174.19W 11 5.6W,5.5W
NEIC IX 22 06 58 26.0–.00 20.72S 173.97W 15 5.6W,5.5W
MOS IX 22 06 58 28.7–1.0 20.79S 174.31W 33 5.5b,5.1s
GCMT IX 22 06 58 31.2–.10 21.06S–.01 173.68W–.01 16–0 5.5W,5.1s
ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}2.51 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.20 $M_{\theta\phi}$-2.30 $M_{\phi r}$-0.87 Best double couple: NP1:ϕ_s215.00000° ,δ54.00000°,λ67.00000°. NP2:ϕ_s70.00000°,δ42.00000°,λ118.00000°. Principal axes: T 2.7700,Plg71.0000°,Azm69.0000°; N 0.9200,Plg18.0000°,Azm228.0000° ; P -3.6900,Plg6.0000°,Azm321.0000° M_o3.30000×10^{17}
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-1.27 $M_{r\theta}$0.93 $M_{\theta\phi}$-0.60 $M_{\phi r}$1.88 Best double couple: NP1:ϕ_s26.00000° ,δ72.00000°,λ90.00000°. NP2:ϕ_s206.00000°,δ18.00000°,λ89.00000°. Principal axes: T 2.6400,Plg63.0000°,Azm296.0000°; N -0.0300,Plg0.0000°,Azm206.0000° ; P -2.6100,Plg26.0000°,Azm116.0000° M_o2.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c203; s127,c293; Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.02 $M_{\theta\theta}$-0.10±.02; $M_{\phi\phi}$-1.26±.02; $M_{r\theta}$0.72±.05; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$1.13±.05; Best double couple: NP1:ϕ_s29.00000°,δ67.00000° ,λ97.00000°. NP2:ϕ_s193.00000°,δ24.00000°,λ75.00000°. Principal axes: T 1.9060,Plg68.0000°,Azm311.0000°; N 0.0880,Plg6.0000°,Azm207.0000° ; P -1.9920,Plg22.0000°,Azm114.0000° M_o1.94900×10^{17}
IDC IX 22 10 48 06.0–2.6 17.64S 174.65W 156–25 4.0,3.7
¶601863986
IDC Error ellipse: s-maj=43.1km s-min=16.5km az=135.0.
ISC IX 22 11 30 26.2–.78 20.5S–.10 174.2W–.20 35 4.4b 35 7-151
IDC IX 22 11 30 19.7–1.6 21.22S 174.04W 0 4.3,4.1b **¶601852855**
NEIC IX 22 11 30 22.3–.59 20.78S 174.26W 10 4.1b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=64.9km s-min=24.5km az=153.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=13.9km az=139.0.
IDC IX 23 14 32 00.7–14 18.44S 174.25W 371–123 4.4,3.7
¶601864040
IDC Error ellipse: s-maj=110.5km s-min=27.1km az=47.0.
IDC IX 24 04 33 00.4–4.2 15.68S 174.45W 0 4.3,4.0
¶601864075
IDC Error ellipse: s-maj=324.9km s-min=34.1km az=152.0.
IDC IX 24 06 51 50.6–16 18.22S 174.00W 0 4.4,4.3
¶601864082
IDC Error ellipse: s-maj=302.4km s-min=149.3km az=78.0.
ISC IX 24 10 31 22.9–.42 21.30S–.04 174.18W–.04 11–2 5.7b,5.4s 1244 5-178
ISCJB IX 24 10 31 20.5–1.6 21.26S–.02 174.26W–.02 3–9 5.6b,5.4s **¶604029871**
IDC IX 24 10 31 21.7–.39 21.25S 174.31W 0 5.4,5.4b
BJI IX 24 10 31 21.7 20.84S 173.95W 6 6.0b,5.6b
NEIC IX 24 10 31 23.3–.08 21.21S 174.29W 10 5.7b,5.5W
WEL IX 24 10 31 23.0 21.21S 174.29W 10 5.7b,5.5W
MOS IX 24 10 31 26.1–.88 21.11S 174.26W 33 5.8b,5.4s
GCMT IX 24 10 31 27.3–.10 21.47S–.01 173.64W–.01 13–0 5.5W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s63 Moment tensor: Scale 10^{17}Nm; M_{rr}1.75 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$0.06 $M_{r\theta}$0.42 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s263.00000° ,δ38.00000°,λ100.00000°. NP2:ϕ_s71.00000°,δ53.00000°,λ83.00000°. Principal axes: T 1.8300,Plg81.0000°,Azm307.0000°; N 0.1400,Plg6.0000°,Azm76.0000° ; P -1.9700,Plg7.0000°,Azm167.0000° M_o1.90000×10^{17}
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c183; s132,c309;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.45±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-1.25±.02; $M_{r\theta}$0.59±.04; $M_{\theta\phi}$-0.61±.01; $M_{\phi r}$0.97±.04; Best double couple: NP1:ϕ_s29.00000°,δ64.00000°,λ94.00000°. NP2:ϕ_s200.00000°,δ27.00000°,λ82.00000°. Principal axes: T 1.8370,Plg71.0000° ,Azm308.0000°; N 0.0680,Plg4.0000°,Azm207.0000°; P -1.9050,Plg19.0000°,Azm116.0000° M_o1.87100×10^{17}
ISC IX 24 14 24 03.3–1.4 19.2S–.20 174.1W–.20 35 4.2b 22 6-150
IDC IX 24 14 23 57.0–1.7 19.64S 173.93W 0 5.6,5.6s **¶601777938**
NEIC IX 24 14 23 59.0–.97 19.30S 174.23W 10 4.0b,5.6s
ISCJB IX 24 14 24 01.4–1.6 19.1S–.20 174.3W–.30 35 5.7s,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 25 03 06 51.7–.30 15.50S–.04 173.77W–.04 106–2 5.1b 1384 2-175
ISCJB IX 25 03 06 49.9–.78 15.50S–.03 173.89W–.02 100–7 5.1b **¶604029872**
MOS IX 25 03 06 49.4–.96 15.37S 173.96W 89 5.4b
IDC IX 25 03 06 50.4–2.0 15.46S 173.87W 90–17 5.5,5.2
BJI IX 25 03 06 51.3 15.14S 173.90W 104 5.5b,5.4b
NEIC IX 25 03 06 52.0–.00 15.77S 173.72W 110 5.5b,5.4b
NEIC IX 25 03 06 53.9–.49 15.52S 173.90W 122–4 5.7W,5.6W
GCMT IX 25 03 06 56.8–.10 15.39S–.01 173.63W–.01 122–0 5.7W,5.6W
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$1.35 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.44 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s47.00000° ,δ66.00000°,λ38.00000°. NP2:ϕ_s299.00000°,δ56.00000°,λ150.00000°. Principal axes: T 3.0200,Plg43.0000°,Azm266.0000°; N -0.3600,Plg45.0000°,Azm74.0000° ; P -2.6500,Plg6.0000°,Azm171.0000° M_o2.90000×10^{17}
NEIC Event type fe. Felt at Utulei, American Samoa. Also felt at Apia, Samoa. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$-2.88 $M_{\phi\phi}$1.02 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.79 $M_{\phi r}$3.15 Best double couple: NP1:ϕ_s288.00000°,δ36.00000°,λ153.00000°. NP2:ϕ_s40.00000° ,δ75.00000°,λ57.00000°. Principal axes: T 4.6400,Plg49.0000°,Azm274.0000° ; N -0.8300,Plg31.0000°,Azm50.0000°; P -3.8100,Plg23.0000°,Azm155.0000° M_o4.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c235; s137,c353; Duration: 1$\hat{s}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$-3.66±.04; $M_{\phi\phi}$2.03±.04; $M_{r\theta}$0.82±.03; $M_{\theta\phi}$-0.23±.04; $M_{\phi r}$2.36±.03; Best double couple: NP1:ϕ_s50.00000°,δ70.00000° ,λ41.00000°. NP2:ϕ_s304.00000°,δ52.00000°,λ154.00000°. Principal axes: T 4.2180,Plg43.0000°,Azm274.0000°; N -0.3640,Plg45.0000°,Azm72.0000° ; P -3.8540,Plg11.0000°,Azm173.0000° M_o4.03600×10^{17}
ISC IX 25 18 33 05.0–.45 21.14S–.05 174.16W–.05 31–2 5.4b,5.2s 842 4-171
IDC IX 25 18 32 59.7–.40 21.30S 174.07W 0 5.1,5.0 **¶601739659**
ISCJB IX 25 18 33 00.5–.10 21.23S–.03 174.32W–.03 10 5.3b,5.2s
WEL IX 25 18 33 01.0 21.19S 174.31W 10 5.3b,5.2s
NEIC IX 25 18 33 01.7–.10 21.19S 174.31W 10 5.4b,5.3s
MOS IX 25 18 33 02.3–.95 21.21S 174.31W 21 5.4b,5.2s
BJI IX 25 18 33 04.1 20.70S 174.01W 26 5.8b,5.3s
GCMT IX 25 18 33 04.7–.10 21.34S–.01 173.62W–.01 12 5.3W,5.3s
ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c156; s124,c230;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.01 $M_{\theta\theta}$0.08±.01; $M_{\phi\phi}$-1.17±.01; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$0.54±.04; Best double couple: NP1:ϕ_s12.00000°,δ59.00000°,λ100.00000°. NP2:ϕ_s172.00000°,δ33.00000°,λ74.00000°. Principal axes: T 1.2570,Plg74.0000° ,Azm310.0000°; N 0.0470,Plg9.0000°,Azm186.0000°; P -1.2980,Plg13.0000°,Azm94.0000° M_o1.27700×10^{17}
IDC IX 25 18 56 14.2–60 15.32S 173.35W 0 4.5,4.3
¶601864164
IDC Error ellipse: s-maj=1162.0km s-min=179.0km az=78.0.
ISC IX 26 01 41 42.1–.40 21.30S–.06 174.19W–.06 32–2 5.1b,4.9s 652 5-178
IDC IX 26 01 41 36.6–.39 21.31S 174.20W 0 5.0,4.9 **¶601740406**
MOS IX 26 01 41 39.2–.95 21.18S 174.37W 19 5.3b,4.8s
NEIC IX 26 01 41 39.1–.11 21.21S 174.33W 10 5.1b,4.8s
ISCJB IX 26 01 41 41.5–.13 21.26S–.04 174.31W–.03 36 5.1b,4.8s
BJI IX 26 01 41 43.6 20.68S 173.89W 45 5.6b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=12.8km az=136.0.
MOS Error ellipse: s-maj=10.3km s-min=7.9km az=62.2.

NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=144.8.

ISC	**IX**	**26 06 45 22.0–1.2**	**19.01S–.06**	**175.31W–.05**	**202–11**	**5.0b**	**415**	**5-174**
BJI	IX	26 06 45 16.6	18.48S	174.78W	166	5.2b,5.2b		**¶601740412**
MOS	IX	26 06 45 16.9–2.1	18.78S	175.47W	151	5.0b,5.2b		
WEL	IX	26 06 45 17.0	18.85S	175.40W	163	5.0b,5.2b		
NEIC	IX	26 06 45 18.0–.93	18.85S	175.40W	163–8	5.0b,5.2b		
IDC	IX	26 06 45 17.1–2.1	18.84S	175.35W	153–19	5.3,4.9		
ISCJB	IX	26 06 45 18.6–.98	18.81S–.03	175.46W–.03	177–9	4.9b,4.9		
GCMT	IX	26 06 45 23.0–.40	18.93S–.04	174.88W–.03	222–4	5.0W,4.9		

ISC Event type fe.
WEL manual. confirmed.
NEIC Event type fe. Felt at Neiafu.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s62,c78;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.25 $M_{\theta\theta}$2.61±.28; $M_{\phi\phi}$-1.26±.23; $M_{r\theta}$-1.15±.22; $M_{\theta\phi}$1.54±.18; $M_{\phi r}$-3.64±.18; Best double couple: NP1:ϕ_s30.00000°,δ80.00000°,λ-123.00000°. NP2:ϕ_s285.00000°,δ34.00000°,λ-18.00000°. Principal axes: T 4.3850,Plg28.0000° ,Azm146.0000°; N 0.5700,Plg33.0000°,Azm36.0000°; P -4.9550,Plg45.0000°,Azm267.0000° M_o4.67000×10^{16}

ISC	**IX**	**26 19 38 39.1–1.2**	**15.9S–.40**	**175.4W–.20**	**300**	**3.6b**	**12**	**4-145**
ISCJB	IX	26 19 38 38.1–.98	15.9S–.40	175.4W–.20	300	3.7b		**¶601864228**
IDC	IX	26 19 38 39.0–1.4	16.02S	175.23W	302–14	4.2,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=62.0km s-min=9.7km az=155.2.
IDC Error ellipse: s-maj=64.0km s-min=14.1km az=150.0.

ISC	**IX**	**26 19 40 06.4–.76**	**21.2S–.20**	**174.3W–.20**	**26**	**4.3b,3.6s**	**18**	**19-152**
IDC	IX	26 19 40 02.5–.79	21.17S	174.22W	0	4.4,4.2		**¶601845968**
NEIC	IX	26 19 40 04.0–.46	21.17S	174.24W	10	4.6b,4.2		
ISCJB	IX	26 19 40 04.7–.67	21.2S–.10	174.3W–.10	26	4.3b,3.5s		

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

IDC	**IX**	**27 14 00 44.0–3.7**	**19.69S**	**175.31W**	**49–37**	**4.0L,3.9**		
								¶601864283

IDC Error ellipse: s-maj=36.9km s-min=20.0km az=142.0.

IDC	**IX**	**27 22 01 31.5–2.2**	**15.08S**	**173.74W**	**0**	**4.2,3.8**		
								¶601783175

IDC Error ellipse: s-maj=166.4km s-min=25.6km az=153.0.

ISC	**IX**	**28 02 08 30.0–.48**	**19.3S–.10**	**173.5W–.10**	**25**	**4.4b,4.0s**	**85**	**3-152**
IDC	IX	28 02 08 25.9–.69	19.31S	173.49W	0	4.7,4.5b		**¶601755834**
ISCJB	IX	28 02 08 28.1–.39	19.32S–.09	173.56W–.08	25	4.4b,3.9s		
NEIC	IX	28 02 08 33.4–3.9	19.33S	173.50W	54–34	4.2b,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=16.9km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=8.6km az=145.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.2km az=153.0.

ISC	**IX**	**29 15 59 22.2–.85**	**16.7S–.20**	**173.6W–.20**	**35**	**3.9b,3.6s**	**11**	**3-147**
IDC	IX	29 15 59 17.5–.88	16.77S	173.65W	0	4.1,3.9		**¶601857492**
ISCJB	IX	29 15 59 20.1–.75	16.7S–.10	173.6W–.20	35	4.0b,3.6s		

ISC Event type ke.
ISCJB Event type ke.

IDC	**IX**	**29 16 38 00.2–2.2**	**16.11S**	**175.67W**	**374–44**	**4.4,3.9b**		
								¶601857494

IDC Error ellipse: s-maj=244.5km s-min=26.4km az=147.0.

ISC	**IX**	**29 17 20 45.7–1.0**	**21.2S–.20**	**174.7W–.20**	**27**	**3.8b**	**9**	**8-150**
IDC	IX	29 17 20 41.3–1.1	21.23S	174.68W	0	4.1,3.9		**¶601783180**
ISCJB	IX	29 17 20 43.9–.99	21.3S–.20	174.7W–.20	27	3.7b,3.4s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**30 04 46 07.5–.86**	**16.2S–.30**	**174.8W–.20**	**300**	**3.9b**	**12**	**4-84**
ISCJB	IX	30 04 46 06.4–.66	16.3S–.20	174.8W–.20	300	3.7b		**¶601857518**
IDC	IX	30 04 46 07.3–1.8	16.28S	174.82W	295–18	4.2,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.8km s-min=9.3km az=144.9.
IDC Error ellipse: s-maj=35.7km s-min=11.9km az=147.0.

ISC	**IX**	**30 04 50 10.4–.58**	**21.00S–.10**	**174.3W–.10**	**27**	**4.2b**	**39**	**7-151**
IDC	IX	30 04 50 06.5–.66	21.08S	174.40W	0	4.4,4.2		**¶601783182**
NEIC	IX	30 04 50 07.9–.40	21.13S	174.33W	10	4.4b,4.2		
ISCJB	IX	30 04 50 08.8–.53	21.2S–.10	174.4W–.10	27	4.2b,3.6s		

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

ISC	**IX**	**30 06 36 47.6–1.1**	**17.4S–.30**	**175.1W–.30**	**256**	**3.7b**	**9**	**5-148**
IDC	IX	30 06 36 42.9–2.8	17.44S	175.04W	212–24	4.2,3.9		**¶601857525**
ISCJB	IX	30 06 36 45.9–.97	17.2S–.30	175.1W–.30	256	3.8b,3.9		

ISC Event type ke.
ISCJB Event type ke.

IDC	**IX**	**30 11 50 52.4–8.9**	**20.36S**	**174.75W**	**0**	**3.8,3.5**		
								¶601857531

IDC Error ellipse: s-maj=391.7km s-min=38.4km az=144.0.

ISC	**IX**	**30 20 25 30.9–.82**	**19.9S–.10**	**173.9W–.20**	**25**	**4.0b**	**17**	**6-150**
IDC	IX	30 20 25 26.0–.85	20.10S	173.88W	0	4.4L,4.3		**¶601857549**
NEIC	IX	30 20 25 27.5–.71	20.06S	173.86W	10	4.0b,4.3		
ISCJB	IX	30 20 25 28.3–.75	19.9S–.10	174.0W–.10	25	4.0b,4.3		

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

ISC	**X**	**01 12 17 29.8–.63**	**15.5S–.20**	**174.6W–.10**	**250**	**4.0b**	**17**	**3-146**
ISCJB	X	01 12 17 28.8–.56	15.5S–.10	174.6W–.10	250	4.0b		**¶601996389**
IDC	X	01 12 17 28.3–1.2	15.47S	174.71W	229–12	4.2,4.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=9.4km az=146.2.
IDC Error ellipse: s-maj=21.3km s-min=11.8km az=130.0.

IDC	**X**	**01 21 23 30.6–51**	**16.01S**	**174.18W**	**0**	**4.0,3.9**		
								¶601996431

IDC Error ellipse: s-maj=970.3km s-min=180.7km az=79.0.

ISC	**X**	**02 03 33 34.2–.32**	**19.01S–.04**	**174.77W–.04**	**136–2**	**5.1b**	**1234**	**5-176**
MOS	X	02 03 33 26.6–.90	18.72S	174.88W	75	5.4b		**¶601874827**
BJI	X	02 03 33 28.7	18.42S	174.52W	95	5.5b,5.2b		
ISCJB	X	02 03 33 32.9–.08	18.84S–.02	174.90W–.02	134	5.0b,5.2b		
WEL	X	02 03 33 34.0	18.84S	174.90W	134	5.0b,5.2b		
IDC	X	02 03 33 34.1–.48	18.82S	174.86W	132–4	5.2,4.9		
NEIC	X	02 03 33 34.2–.56	18.84S	174.90W	134–5	5.0b,4.9		
GCMT	X	02 03 33 37.2–.10	18.84S–.01	174.42W–.01	142–0	5.4W,4.9		

ISC Event type fe.
ISCJB Event type fe.
WEL manual. confirmed.
NEIC Event type fe. Felt at Neiafu.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c200; s132,c241;Duration: 1ŝ3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.07±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$0.13±.02; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$-1.06±.02; Best double couple: NP1:ϕ_s28.00000°,δ63.00000°,λ-129.00000°. NP2:ϕ_s269.00000°,δ46.00000°,λ-39.00000°. Principal axes: T 1.6670,Plg10.0000° ,Azm145.0000°; N 0.1930,Plg34.0000°,Azm48.0000°; P -1.8560,Plg54.0000°,Azm250.0000° M_o1.76100×10^{17}

ISC	**X**	**02 11 35 50.5–.26**	**21.19S–.05**	**174.37W–.06**	**27**	**5.1b,4.7s**	**639**	**5-171**
IDC	X	02 11 35 46.2–.39	21.18S	174.39W	0	5.0,4.9		**¶601776289**
NEIC	X	02 11 35 47.9–.10	21.16S	174.41W	10	5.1b,4.9		
ISCJB	X	02 11 35 49.2–.10	21.12S–.03	174.41W–.03	27	5.1b,4.7s		
MOS	X	02 11 35 50.2–.85	21.07S	174.47W	33	5.2b,4.7s		
BJI	X	02 11 35 51.2	20.88S	174.24W	36	5.5b,5.2b		
GCMT	X	02 11 35 51.8–.10	21.28S–.01	173.85W–.01	18–0	5.3W,5.2b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c144; s122,c229;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.02 $M_{\theta\theta}$-0.17±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$0.43±.03; Best double couple: NP1:ϕ_s33.00000°,δ60.00000°,λ95.00000°. NP2:ϕ_s203.00000°,δ30.00000°,λ81.00000°. Principal axes: T 1.0250,Plg74.0000° ,Azm316.0000°; N 0.0490,Plg4.0000°,Azm211.0000°; P -1.0740,Plg15.0000°,Azm120.0000° M_o1.05000×10^{17}

ISC	**X**	**02 18 39 11.2–.34**	**20.75S–.06**	**174.01W–.08**	**27**	**5.0b,4.0s**	**222**	**7-171**
ISCJB	X	02 18 39 07.9–.18	20.66S–.04	174.23W–.05	10	5.0b,4.0s		**¶601777962**
BJI	X	02 18 39 07.6	21.03S	174.47W	6	5.4b,5.3s		
IDC	X	02 18 39 07.5–.64	20.81S	173.99W	0	4.6,4.4		
NEIC	X	02 18 39 08.9–.19	20.73S	174.16W	10	5.0b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.1km az=39.5.
IDC Error ellipse: s-maj=26.4km s-min=17.8km az=124.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=127.0.

IDC	**X**	**03 17 26 25.1–4.2**	**19.29S**	**175.04W**	**0**	**3.8,3.5**		
								¶601996961

IDC Error ellipse: s-maj=216.3km s-min=35.1km az=147.0.

IDC	**X**	**03 20 05 57.2–3.5**	**16.88S**	**175.02W**	**0**	**4.3,4.2**		
								¶601996976

IDC Error ellipse: s-maj=164.1km s-min=73.5km az=155.0.

IDC	**X**	**04 10 20 38.2–2.2**	**16.25S**	**174.42W**	**276–39**	**4.1,3.7**		
								¶601997030

IDC Error ellipse: s-maj=57.2km s-min=19.4km az=5.0.

ISC	**X**	**04 16 20 09.4–.52**	**21.2S–.10**	**174.3W–.10**	**30**	**4.6b**	**67**	**8-150**
IDC	X	04 16 20 05.0–.80	21.29S	174.33W	0	4.5,4.2		**¶601825818**
NEIC	X	04 16 20 06.0–.24	21.36S	174.28W	10	4.7b,4.2		
ISCJB	X	04 16 20 08.0–.28	21.26S–.07	174.36W–.07	30	4.5b,3.0s		

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

ISC	**X**	**05 12 41 58.4–.80**	**16.0S–.20**	**174.4W–.20**	**175**	**3.8b**	**11**	**3-125**
IDC	X	05 12 41 52.5–2.4	16.02S	174.25W	121–23	4.2,4.0		**¶601997142**
ISCJB	X	05 12 41 57.0–.74	16.1S–.20	174.4W–.20	175	3.8b,4.0		

ISC Event type ke.
ISCJB Event type ke.

ISC	**X**	**06 19 19 53.7–1.1**	**17.43S–.06**	**174.90W–.07**	**197–10**	**4.5b**	**326**	**5-175**
ISCJB	X	06 19 19 50.9–1.0	17.42S–.04	174.97W–.04	179–9	4.6b		**¶601794200**
BJI	X	06 19 19 52.6	17.00S	174.62W	191	5.2b,4.7b		
NEIC	X	06 19 19 54.3–.76	17.44S	174.95W	200–7	4.5b,4.7b		
IDC	X	06 19 19 54.2–1.9	17.39S	174.92W	198–17	4.6,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.1km az=141.2.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.5km az=142.0.
IDC Error ellipse: s-maj=13.5km s-min=9.5km az=132.0.

ISC	**X**	**06 20 01 19.5–.61**	**16.9S–.10**	**173.07W–.10**	**32**	**4.7b,3.6s**	**26**	**3-148**
IDC	X	06 20 01 15.5–2.4	16.65S	173.18W	0	4.1,3.9b		**¶601906659**
NEIC	X	06 20 01 16.2–.38	16.78S	173.11W	10	4.9b,3.9b		
ISCJB	X	06 20 01 18.5–.49	16.78S–.10	173.24W–.08	33	4.6b,3.9b		

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

ISC	**X**	**07 01 56 51.3–.63**	**20.95S–.08**	**173.95W–.09**	**19–2**	**4.7b,3.9s**	**146**	**4-154**
ISCJB	X	07 01 56 47.2–.20	20.69S–.05	174.08W–.05	10	4.6b,3.8s		**¶601794205**
IDC	X	07 01 56 47.2–.61	20.78S	174.09W	0	5.5L,4.7		
BJI	X	07 01 56 47.8	20.97S	174.23W	11	5.5b,5.2b		
NEIC	X	07 01 56 49.9–4.7	20.70S	174.10W	18–28	4.7b,5.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.4km az=140.0.
IDC Error ellipse: s-maj=23.4km s-min=14.3km az=137.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=146.0.

IDC	**X**	**07 19 02 13.0–26**	**16.22S**	**173.44W**	**0**	**4.3,4.2b**		
								¶601997406

IDC Error ellipse: s-maj=492.9km s-min=158.8km az=73.0.

IDC	**X**	**08 10 53 43.5–48**	**16.82S**	**175.05W**	**0**	**4.0,3.9**		
								¶601997496

IDC Error ellipse: s-maj=905.2km s-min=178.6km az=79.0.

ISC	**X**	**09 00 30 20.2–.42**	**20.76S–.08**	**174.05W–.09**	**26**	**4.8b,3.9s**	**150**	**7-159**
IDC	X	09 00 30 16.1–.59	20.76S	174.14W	0	4.6,4.6		**¶601795702**
ISCJB	X	09 00 30 18.8–.23	20.88S–.05	174.18W–.06	26	4.8b,4.0s		
BJI	X	09 00 30 19.2	20.96S	174.13W	23	5.4b,5.1b		
NEIC	X	09 00 30 20.8–4.0	20.82S	174.17W	29–28	4.8b,5.1b		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=15.0km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.5km az=136.2.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.4km az=150.0.

ISC	**X**	**11 07 51 24.8–.62**	**15.2S–.10**	**173.4W–.20**	**30**	**3.9b**	**26**	**2-175**
IDC	X	11 07 51 20.3–.61	15.16S	173.36W	0	4.1,4.0		**¶601997857**
NEIC	X	11 07 51 21.2–.44	15.21S	173.14W	10	4.5b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=17.0km az=128.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.6km az=139.0.

IDC	**X**	**11 08 26 04.8–7.8**	**15.63S**	**173.01W**	**0**	**4.3L,4.1**		
								¶601997864

IDC Error ellipse: s-maj=350.4km s-min=26.6km az=139.0.

ISC	**X**	**11 09 31 09.7–.56**	**16.6S–.10**	**174.6W–.10**	**10**	**4.5b,4.0s**	**45**	**4-156**
ISCJB	X	11 09 31 08.5–.42	16.6S–.10	174.63W–.08	10	4.4b,4.0s		**¶601838017**
IDC	X	11 09 31 08.6–.75	16.45S	174.66W	0	4.2,4.1		
NEIC	X	11 09 31 09.9–.30	16.58S	174.58W	10	4.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=8.9km az=151.4.
IDC Error ellipse: s-maj=39.7km s-min=17.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.0km az=151.0.

ISC	**X**	**11 11 58 04.1–.81**	**20.3S–.10**	**175.0W–.20**	**57**	**4.2b**	**21**	**19-151**
NEIC	X	11 11 57 57.5–.44	20.30S	174.90W	10	4.4b		**¶601826315**
IDC	X	11 11 57 57.5–1.1	20.23S	175.08W	0	4.2L,3.9		
ISCJB	X	11 11 58 02.1–.60	20.33S–.09	175.0W–.10	57	4.1b,3.9		

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

ISC	**X**	**11 16 05 00.0–.52**	**19.93S–.07**	**174.78W–.09**	**10**	**4.9b**	**84**	**7-82**
ISCJB	X	11 16 04 58.6–.39	20.04S–.05	174.81W–.07	10	4.7b		**¶601997904**
WEL	X	11 16 04 59.0	20.04S	174.83W	2	4.7b		
NEIC	X	11 16 04 59.1–4.0	20.04S	174.83W	2–26	4.9b		
IDC	X	11 16 05 06.0–3.3	19.92S	174.94W	45–34	4.8L,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=25.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.5km az=126.0.
IDC Error ellipse: s-maj=34.4km s-min=20.7km az=131.0.

ISC	**X**	**12 15 10 30.0–1.5**	**16.3S–.40**	**174.8W–.30**	**10**	**4.1b,3.7s**	**23**	**4-149**
IDC	X	12 15 10 27.1–1.6	16.59S	174.73W	0	4.3,4.0		**¶601838019**
ISCJB	X	12 15 10 28.2–1.3	16.4S–.40	174.7W–.20	10	4.0b,3.8s		
GCMT	X	12 15 10 34.0–.40	16.62S–.05	174.54W–.03	24–1	4.9W,3.8s		

ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s19,c23; s61,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.65±.24 $M_{\theta\theta}$0.35±.13; $M_{\phi\phi}$2.30±.15; $M_{r\theta}$0.04±.21; $M_{\theta\phi}$0.34±.10; $M_{\phi r}$0.78±.17; Best double couple: NP1:ϕ_s188.00000°,δ54.00000° ,λ-92.00000°. NP2:ϕ_s11.00000°,δ36.00000°,λ-87.00000°. Principal axes:
T 2.4760,Plg9.0000°,Azm279.0000°; N 0.2930,Plg2.0000°,Azm189.0000° ; P -2.7700,Plg81.0000°,Azm88.0000° M_o2.62300×10^{16}

ISC	**X**	**13 17 52 50.6–.50**	**19.94S–.06**	**174.05W–.07**	**26–3**	**5.0b,4.2s**	**457**	**6-172**
IDC	X	13 17 52 47.0–.54	19.85S	174.14W	0	5.0L,4.8		**¶601874154**
BJI	X	13 17 52 47.3	19.55S	173.67W	9	5.6b,5.4s		
NEIC	X	13 17 52 49.9–3.1	19.96S	173.99W	24–21	5.1b,5.4s		
ISCJB	X	13 17 52 50.2–.14	19.99S–.03	173.92W–.04	33	5.0b,4.1s		
GCMT	X	13 17 52 52.9–.20	19.99S–.02	173.51W–.02	27–1	5.1W,4.1s		
MOS	X	13 17 52 53.4–3.0	19.61S	174.30W	33	5.1b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.9km az=124.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=33.8.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c58; s89,c128;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.72±.17 $M_{\theta\theta}$1.71±.16; $M_{\phi\phi}$-2.43±.14; $M_{r\theta}$2.52±.32; $M_{\theta\phi}$3.51±.10; $M_{\phi r}$-0.85±.25; Best double couple: NP1:ϕ_s108.00000°,δ85.00000°,λ34.00000°. NP2:ϕ_s15.00000°,δ56.00000°,λ174.00000°. Principal axes: T 4.6180,Plg27.0000° ,Azm337.0000°; N 0.5310,Plg56.0000°,Azm115.0000°; P -5.1500,Plg20.0000° ,Azm236.0000° $M_0$4.88400×10^{16}

MOS		Error ellipse: s-maj=10.8km s-min=8.8km az=66.0.						
ISC	**X**	**13 22 36 31.2–.71**	**16.98S–.06**	**174.38W–.05**	**52–6**	**5.1b,4.8s**	**648**	**4-175**
IDC	X	13 22 36 22.7–.48	16.59S	174.57W	0	4.7,4.7		**¶601833178**
GCMT	X	13 22 36 27.8–.10	16.62S–.01	174.40W–.01	12	5.3W,4.7		
MOS	X	13 22 36 27.9–1.5	16.94S	174.46W	33	5.3b,4.7		
ISCJB	X	13 22 36 29.2–1.3	16.91S–.04	174.46W–.03	48–11	5.1b,4.7s		
BJI	X	13 22 36 30.1	17.00S	174.40W	57	5.6b,5.3s		
NEIC	X	13 22 36 30.8–1.1	16.89S	174.48W	50–10	5.1b,5.3s		
ISC		Event type se.						
IDC		Error ellipse: s-maj=19.0km s-min=13.3km az=142.0.						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c102; s122,c221;Duration: 1ŝ0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$0.88±.01; $M_{r\theta}$-0.04±.04; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$0.42±.03; Best double couple: NP1:ϕ_s180.00000°,δ58.00000°,λ-95.00000°. NP2:ϕ_s10.00000°,δ33.00000°,λ-82.00000°. Principal axes: T 0.9810,Plg13.0000° ,Azm274.0000°; N -0.0150,Plg4.0000°,Azm183.0000°; P -0.9670,Plg77.0000°,Azm75.0000° $M_0$0.97400×10^{17}

MOS		Error ellipse: s-maj=9.9km s-min=8.3km az=53.3.						
ISCJB		Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=153.6.						
NEIC		Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=148.0.						
IDC	**X**	**14 01 49 17.5–1.6**	**16.47S**	**175.14W**	**0**	**4.1,3.9b**		**¶601838023**
IDC		Error ellipse: s-maj=63.4km s-min=35.0km az=135.0.						
ISC	**X**	**14 09 58 28.7–.42**	**18.28S–.08**	**175.20W–.09**	**150**	**4.5b**	**86**	**5-174**
ISCJB	X	14 09 58 27.5–.28	18.32S–.05	175.31W–.07	150	4.3b		**¶601843584**
IDC	X	14 09 58 27.7–1.9	18.33S	175.24W	140–18	4.2,4.0		
NEIC	X	14 09 58 30.6–1.0	18.32S	175.27W	166–9	4.5b,4.0		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=32.2.						
IDC		Error ellipse: s-maj=20.3km s-min=10.4km az=124.0.						
NEIC		Event type se. Error ellipse: s-maj=9.2km s-min=5.1km az=124.0.						
ISC	**X**	**14 13 39 50.0–1.5**	**20.2S–.30**	**175.0W–.30**	**35**	**4.0b**	**18**	**7-149**
IDC	X	14 13 39 42.7–1.9	20.70S	174.64W	0	4.2,3.9		**¶601843585**
NEIC	X	14 13 39 44.1–.88	20.62S	174.70W	10	4.6b,3.9		
ISCJB	X	14 13 39 47.8–1.3	20.1S–.20	175.0W–.20	35	4.0b,3.9		
ISC		Event type se.						
NEIC		Event type se.						
ISCJB		Event type se.						
ISC	**X**	**14 23 24 19.2–1.1**	**20.7S–.30**	**174.6W–.20**	**56**	**4.0b**	**10**	**7-145**
IDC	X	14 23 24 11.4–1.9	20.68S	174.52W	0	4.2,4.0L		**¶601861539**
NEIC	X	14 23 24 12.9–.68	20.65S	174.54W	10	4.5b,4.0L		
ISC		Event type se.						
IDC		Error ellipse: s-maj=92.5km s-min=22.4km az=148.0.						
NEIC		Event type se. Error ellipse: s-maj=24.2km s-min=11.0km az=139.0.						
ISC	**X**	**15 10 19 24.0–1.1**	**16.6S–.20**	**173.5W–.30**	**66**	**3.6b**	**8**	**3-84**
IDC	X	15 10 19 16.0–1.1	16.72S	173.65W	0	4.6L,4.2		**¶601998316**
ISCJB	X	15 10 19 22.8–.90	16.5S–.20	173.7W–.20	66	3.7b,4.2		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	**X**	**16 04 24 54.6–7.8**	**16.43S**	**175.33W**	**0**	**3.9,3.7**		**¶601998453**
IDC		Error ellipse: s-maj=326.3km s-min=64.9km az=141.0.						
IDC	**X**	**17 10 09 09.4–1.4**	**21.04S**	**174.90W**	**0**	**4.1,3.8**		**¶601998648**
IDC		Error ellipse: s-maj=42.9km s-min=29.9km az=169.0.						
ISC	**X**	**17 14 49 60.0–.32**	**15.13S–.07**	**173.48W–.08**	**30**	**5.0b,4.0s**	**474**	**2-175**
IDC	X	17 14 49 55.1–.47	15.09S	173.55W	0	4.8,4.7		**¶601837577**
MOS	X	17 14 49 57.8–1.2	14.98S	173.28W	19	5.2b,4.7		
NEIC	X	17 14 49 57.7–3.8	15.04S	173.57W	16–23	5.0b,4.7		
ISCJB	X	17 14 49 58.2–.21	15.05S–.06	173.62W–.04	30	4.9b,3.9s		
BJI	X	17 14 49 59.0	15.00S	173.60W	35	5.6b,5.4s		
ISC		Event type se.						
IDC		Error ellipse: s-maj=18.3km s-min=13.8km az=125.0.						
MOS		Error ellipse: s-maj=13.7km s-min=9.2km az=72.8.						
NEIC		Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=150.0.						
ISCJB		Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=152.9.						
ISC	**X**	**17 17 23 42.2–.43**	**19.20S–.04**	**174.07W–.05**	**31–2**	**5.5b,4.9s**	**866**	**4-173**
IDC	X	17 17 23 37.5–.35	19.02S	174.08W	0	5.6L,5.1		**¶601837583**
BJI	X	17 17 23 41.8	18.85S	174.12W	28	5.6b,5.4s		
MOS	X	17 17 23 41.4–1.1	19.04S	174.13W	33	5.5b,4.9s		
ISCJB	X	17 17 23 41.2–.08	19.07S–.02	174.14W–.02	33	5.4b,4.9s		
NEIC	X	17 17 23 43.0–.09	19.04S	174.19W	35	5.5b,5.0s		
WEL	X	17 17 23 42.0	19.04S	174.19W	35	5.5b,5.0s		
GCMT	X	17 17 23 46.0–.10	19.07S–.01	173.58W–.01	41–1	5.3W,5.0s		
ISC		Event type fe.						
ISCJB		Event type fe.						
NEIC		Event type fe. Felt at Neiafu.						
WEL		manual. confirmed.						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c167; s110,c184;Duration: 1ŝ2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-1.11±.03; Best double couple: NP1:ϕ_s175.00000°,δ76.00000°,λ108.00000°. NP2:ϕ_s303.00000°,δ22.00000°,λ40.00000°. Principal axes: T 1.2640,Plg56.0000° ,Azm107.0000°; N 0.1320,Plg17.0000°,Azm350.0000°; P -1.3950,Plg29.0000° ,Azm251.0000° $M_0$1.32900×10^{17}

IDC	**X**	**17 20 26 36.4–1.4**	**15.61S**	**174.74W**	**239–23**	**4.2,3.8**		**¶601998703**
IDC		Error ellipse: s-maj=103.7km s-min=20.5km az=144.0.						
ISC	**X**	**19 20 50 24.8–.79**	**15.8S–.20**	**173.6W–.20**	**100**	**4.4b**	**21**	**3-146**
IDC	X	19 20 50 17.0–1.9	15.24S	174.51W	0	4.1,4.0L		**¶601998972**
NEIC	X	19 20 50 20.5–2.9	16.49S	173.23W	78–23	4.6b,4.0L		
ISC		Event type se.						
IDC		Error ellipse: s-maj=100.9km s-min=22.7km az=147.0.						
NEIC		Event type se. Error ellipse: s-maj=58.5km s-min=13.4km az=147.0.						
ISC	**X**	**20 09 39 49.2–.91**	**16.0S–.30**	**175.2W–.20**	**278**	**3.5b**	**9**	**4-84**
ISCJB	X	20 09 39 47.9–.77	16.1S–.30	175.2W–.20	278	3.6b		**¶601999027**
IDC	X	20 09 39 50.1–1.3	16.02S	175.07W	289–14	4.0,3.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=40.3km s-min=11.3km az=148.1.						
IDC		Error ellipse: s-maj=33.6km s-min=14.4km az=146.0.						
IDC	**X**	**20 10 13 06.9–1.9**	**15.37S**	**173.31W**	**0**	**4.3L,4.0**		**¶601999030**
IDC		Error ellipse: s-maj=136.7km s-min=19.3km az=150.0.						
IDC	**X**	**20 21 54 08.7–5.5**	**15.16S**	**174.67W**	**0**	**4.3,4.0**		**¶601999088**
IDC		Error ellipse: s-maj=452.3km s-min=34.4km az=151.0.						
ISC	**X**	**21 03 51 03.3–.94**	**19.6S–.20**	**175.8W–.20**	**219**	**4.2b**	**18**	**7-150**
NEIC	X	21 03 50 56.8–1.6	19.41S	175.81W	160–16	4.3b		**¶601867599**
IDC	X	21 03 50 56.8–2.8	19.42S	175.81W	158–27	4.8,4.4		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=19.5km s-min=12.1km az=129.0.						
IDC		Error ellipse: s-maj=24.3km s-min=16.2km az=135.0.						
IDC	**X**	**21 18 31 50.5–2.7**	**21.62S**	**175.69W**	**0**	**4.3,4.0b**		**¶601999200**
IDC		Error ellipse: s-maj=234.7km s-min=32.0km az=162.0.						
IDC	**X**	**22 00 06 35.2–12**	**17.40S**	**173.67W**	**0**	**3.8,3.5**		**¶601846460**
IDC		Error ellipse: s-maj=555.4km s-min=40.2km az=142.0.						
ISC	**X**	**22 00 32 06.0–.40**	**16.36S–.09**	**174.63W–.10**	**10**	**4.9b,4.0s**	**120**	**4-175**
ISCJB	X	22 00 32 05.0–.26	16.52S–.06	174.80W–.07	10	4.8b,4.0s		**¶601841787**
IDC	X	22 00 32 04.5–.65	16.48S	174.74W	0	4.4,4.2		
BJI	X	22 00 32 08.7	16.36S	174.64W	31	5.3b,5.1b		
NEIC	X	22 00 32 09.7–2.1	16.50S	174.76W	31–14	4.8b,5.1b		
GCMT	X	22 00 32 10.7–.30	16.56S–.03	174.45W–.02	12	4.8W,5.1b		
ISC		Event type se.						
ISCJB		Event type se.						
NEIC		Event type se.						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s74,c96;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.92±.08 $M_{\theta\theta}$0.03±.09; $M_{\phi\phi}$1.89±.06; $M_{r\theta}$-0.52±.36; $M_{\theta\phi}$-0.11±.07; $M_{\phi r}$1.06±.21; Best double couple: NP1:ϕ_s165.00000°,δ61.00000°,λ-101.00000°. NP2:ϕ_s7.00000°,δ31.00000°,λ-71.00000°. Principal axes: T 2.1920,Plg15.0000° ,Azm263.0000°; N 0.1010,Plg10.0000°,Azm171.0000°; P -2.2940,Plg72.0000°,Azm49.0000° $M_0$2.24300×10^{16}

ISC	**X**	**22 16 09 23.5–.70**	**18.0S–.10**	**175.2W–.10**	**228**	**3.8b**	**22**	**5-148**
ISCJB	X	22 16 09 22.3–.66	18.0S–.10	175.2W–.10	228	3.7b		**¶601999289**
IDC	X	22 16 09 24.3–2.0	18.04S	175.17W	236–19	4.2,3.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=22.3km s-min=8.3km az=135.2.						
IDC		Error ellipse: s-maj=30.3km s-min=12.6km az=141.0.						
IDC	**X**	**22 17 45 41.5–5.6**	**18.47S**	**175.04W**	**0**	**4.5,4.3**		**¶601999295**
IDC		Error ellipse: s-maj=253.9km s-min=55.9km az=147.0.						
IDC	**X**	**22 18 02 42.8–16**	**18.35S**	**173.38W**	**0**	**4.1,4.0b**		**¶601999298**
IDC		Error ellipse: s-maj=313.5km s-min=155.0km az=79.0.						
IDC	**X**	**24 07 18 54.7–1.8**	**16.58S**	**174.00W**	**0**	**4.4,4.4L**		**¶601999459**
IDC		Error ellipse: s-maj=53.1km s-min=28.7km az=129.0.						
IDC	**X**	**24 22 57 33.6–5.5**	**15.52S**	**175.58W**	**0**	**4.2,3.8**		**¶601882319**
IDC		Error ellipse: s-maj=271.8km s-min=33.3km az=142.0.						
ISC	**X**	**25 15 59 40.2–.72**	**16.2S–.20**	**174.8W–.20**	**10**	**4.0b**	**20**	**4-147**
ISCJB	X	25 15 59 38.5–.63	16.3S–.20	174.8W–.10	10	4.1b,3.3s		**¶601882326**
IDC	X	25 15 59 38.7–1.0	16.29S	174.78W	0	4.1,3.8		
NEIC	X	25 15 59 40.2–.44	16.20S	174.80W	10	4.4b,3.8		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=28.0km s-min=12.3km az=141.7.						
IDC		Error ellipse: s-maj=47.9km s-min=27.1km az=134.0.						
NEIC		Event type se. Error ellipse: s-maj=21.4km s-min=9.6km az=141.0.						
IDC	**X**	**26 16 06 58.4–3.2**	**18.80S**	**175.29W**	**0**	**4.3,4.0**		**¶601999754**
IDC		Error ellipse: s-maj=185.8km s-min=59.1km az=153.0.						
ISC	**X**	**27 00 09 22.3–.70**	**20.2S–.10**	**174.4W–.20**	**42**	**3.9b**	**15**	**7-151**
IDC	X	27 00 09 16.9–1.1	20.23S	174.37W	0	4.0,3.9		**¶601882351**
NEIC	X	27 00 09 18.7–4.0	20.25S	174.36W	13–25	4.2b,3.9		
ISCJB	X	27 00 09 20.6–.69	20.3S–.10	174.3W–.10	42	3.9b,3.6s		
ISC		Event type se.						
NEIC		Event type se.						
ISCJB		Event type se.						
IDC	**X**	**28 15 37 60.0–56**	**16.23S**	**174.10W**	**0**	**4.1,3.9**		**¶602000092**
IDC		Error ellipse: s-maj=1065.0km s-min=184.2km az=79.0.						
IDC	**X**	**29 11 31 07.8–2.3**	**16.79S**	**174.36W**	**0**	**4.3,4.0b**		**¶602000273**
IDC		Error ellipse: s-maj=133.1km s-min=23.8km az=145.0.						
IDC	**X**	**29 12 10 53.6–2.1**	**18.52S**	**175.54W**	**0**	**3.9,3.6**		**¶602000280**
IDC		Error ellipse: s-maj=125.8km s-min=27.8km az=153.0.						
IDC	**X**	**29 16 43 05.8–2.0**	**17.51S**	**174.54W**	**0**	**4.1,3.8**		**¶601882356**
IDC		Error ellipse: s-maj=103.4km s-min=21.1km az=146.0.						
IDC	**X**	**29 17 40 10.9–51**	**15.92S**	**175.65W**	**0**	**4.0,3.8**		**¶602000323**
IDC		Error ellipse: s-maj=962.5km s-min=165.6km az=78.0.						
ISC	**X**	**29 22 41 12.2–.45**	**15.18S–.08**	**173.37W–.09**	**30**	**4.7b,4.2s**	**161**	**2-154**
IDC	X	29 22 41 07.1–.56	15.20S	173.34W	0	4.6,4.3		**¶601861582**
NEIC	X	29 22 41 08.5–3.4	15.24S	173.30W	9–20	4.7b,4.3		
ISCJB	X	29 22 41 10.1–.23	15.24S–.06	173.39W–.06	30	4.6b,4.1s		
GCMT	X	29 22 41 17.5–.30	14.86S–.02	173.10W–.02	21–1	5.1W,4.1s		
ISC		Event type fe.						
NEIC		Event type fe. Felt in American Samoa.						
ISCJB		Event type fe.						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c35; s85,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.18 $M_{\theta\theta}$3.89±.16; $M_{\phi\phi}$-0.90±.12; $M_{r\theta}$-4.50±.35; $M_{\theta\phi}$0.08±.08; $M_{\phi r}$1.04±.20; Best double couple: NP1:ϕ_s101.00000°,δ72.00000°,λ-80.00000°. NP2:ϕ_s252.00000°,δ20.00000°,λ-118.00000°. Principal axes: T 6.1360,Plg27.0000° ,Azm184.0000°; N -0.7170,Plg9.0000°,Azm278.0000°; P -5.4220,Plg62.0000°,Azm26.0000° $M_0$5.77900×10^{16}

ISC	**X**	**30 10 59 32.9–.35**	**18.28S–.08**	**174.59W–.07**	**10**	**5.1b,3.9s**	**515**	**4-157**
IDC	X	30 10 59 31.2–.58	18.26S	174.70W	0	4.8,4.6b		**¶601860658**
ISCJB	X	30 10 59 31.4–.17	18.30S–.06	174.72W–.03	10	5.0b,4.0s		
NEIC	X	30 10 59 32.9–.11	18.28S	174.71W	10	5.1b,4.0s		
BJI	X	30 10 59 33.0	17.80S	174.58W	7	5.6b,5.0b		
MOS	X	30 10 59 35.2–1.1	18.27S	174.69W	33	5.2b,5.0b		
GCMT	X	30 10 59 35.9–.30	18.56S–.04	174.24W–.03	12–1	4.8W,5.0b		
ISC		Event type se.						
ISCJB		Event type se.						
NEIC		Event type se.						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s72,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.49±.11 $M_{\theta\theta}$-0.54±.08; $M_{\phi\phi}$-0.94±.08; $M_{r\theta}$1.05±.30; $M_{\theta\phi}$0.62±.06; $M_{\phi r}$-0.76±.23; Best double couple: NP1:ϕ_s133.00000°,δ66.00000°,λ81.00000°. NP2:ϕ_s333.00000°,δ25.00000°,λ109.00000°. Principal axes: T 2.0130,Plg68.0000° ,Azm26.0000°; N -0.1470,Plg8.0000°,Azm136.0000°; P -1.8660,Plg21.0000°,Azm229.0000° $M_0$1.94000×10^{16}

IDC	**X**	**30 12 22 11.5–3.9**	**21.76S**	**175.04W**	**0**	**4.2,4.0b**		**¶601882358**
IDC		Error ellipse: s-maj=98.8km s-min=41.6km az=47.0.						
IDC	**X**	**31 04 08 19.0–9.4**	**20.19S**	**173.10W**	**0**	**4.3,4.3L**		**¶602000572**
IDC		Error ellipse: s-maj=178.8km s-min=138.7km az=39.0.						
IDC	**X**	**31 10 16 21.4–3.2**	**17.01S**	**173.97W**	**368–211**	**4.2,3.6**		**¶602000607**
IDC		Error ellipse: s-maj=272.6km s-min=31.2km az=69.0.						
ISC	**XI**	**01 23 56 34.9–.46**	**16.91S–.08**	**173.46W–.08**	**52**	**4.3b**	**34**	**3-174**
IDC	XI	01 23 56 28.4–.58	17.00S	173.54W	0	4.6,4.4		**¶602031570**
NEIC	XI	01 23 56 31.9–2.7	17.03S	173.52W	24–19	4.6b,4.4		
ISCJB	XI	01 23 56 33.8–.51	16.90S–.08	173.68W–.09	52	4.4b,4.4		
ISC		Event type se.						
NEIC		Event type se.						
ISCJB		Event type se.						
IDC	**XI**	**02 10 01 01.6–6.6**	**18.81S**	**174.96W**	**0**	**4.3,4.0**		**¶602388716**
IDC		Error ellipse: s-maj=275.1km s-min=38.4km az=144.0.						
ISC	**XI**	**03 19 25 11.5–.38**	**16.59S–.07**	**173.41W–.07**	**10**	**5.0b,3.7s**	**163**	**3-174**
IDC	XI	03 19 25 10.6–.60	16.68S	173.59W	0	4.6,4.5		**¶601869863**
ISCJB	XI	03 19 25 11.0–.24	16.70S–.05	173.65W–.06	10	4.9b,3.6s		
NEIC	XI	03 19 25 13.2–.19	16.66S	173.62W	15	5.1b,3.6s		
ISC		Event type se.						
IDC		Error ellipse: s-maj=24.3km s-min=13.7km az=126.0.						
ISCJB		Event type se. Error ellipse: s-maj=9.0km s-min=5.2km az=34.1.						
NEIC		Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=126.0.						
ISC	**XI**	**03 22 59 00.1–.57**	**15.4S–.10**	**174.0W–.10**	**10**	**4.1b,4.0s**	**22**	**3-146**
ISCJB	XI	03 22 58 58.4–.45	15.4S–.10	174.07W–.08	10	4.1b,4.0s		**¶601891428**
IDC	XI	03 22 58 59.3–.83	15.42S	174.23W	0	4.3,4.0		
NEIC	XI	03 22 59 00.3–.44	15.38S	174.09W	10	4.4b,4.0		
GCMT	XI	03 22 59 06.3–.40	15.02S–.03	174.10W–.02	12	4.8W,4.0		
ISC		Event type se.						
ISCJB		Event type se.						
NEIC		Event type se.						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s65,c85;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.07 $M_{\theta\theta}$-0.16±.08; $M_{\phi\phi}$0.39±.08; $M_{r\theta}$-0.93±.23; $M_{\theta\phi}$1.60±.06; $M_{\phi r}$-0.67±.23; Best double couple: NP1:ϕ_s265.00000°,δ85.00000°,λ29.00000°.

NP2:ϕ_s172.00000°,δ61.00000°,λ174.00000°. Principal axes: T 2.2420,Plg24.0000° ,Azm132.0000°; N -0.6570,Plg60.0000°,Azm274.0000°; P -1.5850,Plg16.0000° ,Azm35.0000° $M_0$1.91400×10^{16}

ISC XI 04 03 07 14.4–.62 17.7S–.10 175.1W–.10 250 3.9b 17 5-148
ISCJB XI 04 03 07 13.6–.61 17.69S–.10 175.3W–.10 250 3.8b **¶602388788**
IDC XI 04 03 07 14.0–1.9 17.84S 175.30W 238–19 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=11.7km az=38.2.
IDC Error ellipse: s-maj=20.4km s-min=12.1km az=106.0.
IDC XI 04 03 55 58.1–7.0 17.59S 173.32W 0 4.3s,4.3
¶602388790
IDC Error ellipse: s-maj=326.1km s-min=66.5km az=144.0.
ISC XI 04 07 59 45.6–.44 16.63S–.10 174.1W–.10 111 4.4b 94 3-175
ISCJB XI 04 07 59 44.4–.35 16.64S–.07 174.22W–.08 111 4.4b **¶601874298**
IDC XI 04 07 59 45.8–2.5 16.70S 174.14W 109–22 4.3,4.1
NEIC XI 04 07 59 46.1–1.2 16.68S 174.11W 116–10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=42.4.
IDC Error ellipse: s-maj=21.2km s-min=11.7km az=135.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.7km az=135.0.
IDC XI 05 06 45 52.2–2.1 15.15S 173.25W 0 3.8s,3.8
¶602388845
IDC Error ellipse: s-maj=139.7km s-min=22.7km az=151.0.
ISC XI 05 14 30 48.1–1.9 21.6S–.40 173.9W–.30 25 4.0b 14 8-150
IDC XI 05 14 30 43.8–1.3 21.69S 173.80W 0 4.3,4.1 **¶602031647**
NEIC XI 05 14 30 47.7–.70 21.95S 173.64W 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=22.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=13.2km az=165.0.
ISC XI 06 02 24 36.2–.86 16.5S–.20 173.6W–.20 74–6 4.3b 55 3-147
ISCJB XI 06 02 24 32.7–1.8 16.5S–.10 173.8W–.10 51–16 4.5b **¶602051292**
NEIC XI 06 02 24 34.2–1.4 16.57S 173.70W 52–12 4.5b
IDC XI 06 02 24 38.5–1.0 16.73S 173.62W 94–7 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=8.1km az=139.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=5.6km az=138.0.
IDC Error ellipse: s-maj=40.0km s-min=15.3km az=140.0.
ISC XI 08 17 56 41.9–.46 18.61S–.07 173.30W–.09 31 5.0b,4.5s 197 3-152
IDC XI 08 17 56 37.7–.64 18.76S 173.34W 0 4.6,4.5 **¶601881320**
NEIC XI 08 17 56 38.5–7.3 18.81S 173.33W 11–45 5.1b,4.5
BJI XI 08 17 56 38.6 18.65S 173.32W 15 5.5b,5.3s
ISCJB XI 08 17 56 40.1–.23 18.86S–.06 173.36W–.05 31 4.8b,4.5s
GCMT XI 08 17 56 42.5–.20 19.02S–.02 172.61W–.01 12 5.1W,4.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c58; s94,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.49±.10 $M_{\theta\theta}$-1.59±.10; $M_{\phi\phi}$-2.90±.09; $M_{r\theta}$1.97±.36; $M_{\theta\phi}$-1.91±.09; $M_{\phi r}$1.10±.33; Best double couple: NP1:ϕ_s46.00000°,δ58.00000°,λ101.00000°. NP2:ϕ_s206.00000°,δ33.00000°,λ73.00000°. Principal axes: T 5.1080,Plg74.0000° ,Azm345.0000°; N -0.3820,Plg9.0000°,Azm220.0000°; P -4.7260,Plg13.0000° ,Azm128.0000° $M_0$4.91700×10^{16}
IDC XI 08 20 17 17.8–23 19.66S 175.57W 0 4.4L,4.2
¶602389050
IDC Error ellipse: s-maj=432.9km s-min=54.7km az=64.0.
ISC XI 08 20 56 29.2–1.2 19.9S–.20 175.9W–.20 222 3.6b 10 7-148
ISCJB XI 08 20 56 27.3–1.1 19.9S–.20 175.8W–.20 222 3.5b **¶602389054**
IDC XI 08 20 56 30.1–2.5 20.01S 175.98W 221–28 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.7km s-min=10.5km az=38.5.
IDC Error ellipse: s-maj=32.8km s-min=20.4km az=112.0.
IDC XI 09 22 39 34.0–3.3 15.73S 173.20W 0 4.2,4.1L
¶602389113
IDC Error ellipse: s-maj=178.9km s-min=24.0km az=144.0.
ISC XI 10 09 10 26.5–.44 15.34S–.06 173.09W–.07 29 4.5b,3.8s 74 2-146
IDC XI 10 09 10 22.2–.60 15.29S 173.33W 0 5.0L,4.5 **¶601883916**
ISCJB XI 10 09 10 24.9–.27 15.30S–.05 173.24W–.06 29 4.5b,3.7s
BJI XI 10 09 10 25.3 15.64S 173.20W 21 5.4b,4.9b
NEIC XI 10 09 10 27.3–.20 15.31S 173.24W 35 4.5b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=15.2km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=36.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=125.0.
IDC XI 10 15 51 47.2–3.8 18.05S 175.25W 147–53 4.0,3.7
¶602389163
IDC Error ellipse: s-maj=46.0km s-min=27.0km az=56.0.
ISC XI 10 20 27 27.3–.55 17.42S–.10 174.4W–.10 139 4.7b 46 4-174
NEIC XI 10 20 27 18.5–1.2 17.38S 174.33W 61–11 4.9b **¶602054292**
IDC XI 10 20 27 21.1–3.1 17.48S 174.22W 84–27 4.1,4.0
ISCJB XI 10 20 27 25.7–.45 17.44S–.08 174.43W–.09 139 4.5b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 12 14 58 13.1–.33 17.56S–.06 173.15W–.07 28 5.1b,4.8s 338 4-173
IDC XI 12 14 58 08.7–.43 17.66S 173.06W 0 4.9,4.8 **¶601888254**
NEIC XI 12 14 58 09.7–.15 17.63S 173.09W 10 5.1b,4.8
ISCJB XI 12 14 58 11.1–.15 17.72S–.04 173.08W–.04 28 5.0b,4.8s
BJI XI 12 14 58 14.5 17.57S 173.34W 35 5.6b,5.2b
GCMT XI 12 14 58 14.6–.20 17.61S–.02 172.40W–.01 21–0 5.2W,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c75; s108,c162;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.03 $M_{\theta\theta}$-0.30±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.06±.04; $M_{\theta\phi}$-0.33±.01; $M_{\phi r}$0.35±.03; Best double couple: NP1:ϕ_s25.00000°,δ56.00000°,λ81.00000°. NP2:ϕ_s222.00000°,δ35.00000°,λ104.00000°. Principal axes: T 0.9400,Plg77.0000° ,Azm266.0000°; N -0.0990,Plg8.0000°,Azm30.0000°; P -0.8410,Plg11.0000°,Azm122.0000° $M_0$0.89000×10^{17}
ISC XI 13 08 18 12.5–1.7 18.1S–.20 173.0W–.20 26 4.4b 17 12-84
NEIC XI 13 08 18 11.8–1.1 18.96S 172.55W 35 4.6b **¶602056708**
IDC XI 13 08 18 13.2–17 18.06S 173.71W 0 4.4,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=16.8km az=112.0.
IDC Error ellipse: s-maj=338.3km s-min=152.2km az=82.0.
ISC XI 13 12 13 23.4–.43 16.39S–.06 175.04W–.07 288 4.6b 140 4-145
NEIC XI 13 12 13 21.5–2.1 16.30S 175.28W 267–8 4.6b **¶601890918**
ISCJB XI 13 12 13 22.0–.30 16.29S–.04 175.19W–.05 288 4.5b
IDC XI 13 12 13 22.4–1.1 16.21S 175.15W 276–13 4.7,4.1
WEL XI 13 12 13 44.2–1.6 18S–13 180E–37 209–24 4.7,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 13 23 23 48.1–.40 21.12S–.06 175.83W–.05 24–2 5.4b,5.1s 737 8-178
IDC XI 13 23 23 43.6–.42 21.12S 175.85W 0 4.9,4.9 **¶601891451**
ISCJB XI 13 23 23 44.8–2.0 21.08S–.03 175.88W–.03 13–12 5.3b,5.1s
MOS XI 13 23 23 48.3–1.3 21.06S 175.88W 33 5.5b,5.0s
NEIC XI 13 23 23 48.0–.09 21.04S 175.93W 24 5.4b,5.1s
GCMT XI 13 23 23 50.0–.10 21.05S–.01 175.79W–.01 19–0 5.6W,5.1s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Havelu, Nuku'alofa, Pangai and Vaini.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c146; s136,c295;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$-2.37±.03; $M_{\phi\phi}$2.60±.03; $M_{r\theta}$-0.51±.08; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$1.07±.08; Best double couple: NP1:ϕ_s314.00000°,δ86.00000°,λ157.00000°. NP2:ϕ_s45.00000°,δ67.00000°,λ4.00000°. Principal axes: T 2.9720,Plg19.0000° ,Azm267.0000°; N -0.4850,Plg67.0000°,Azm125.0000°; P -2.4880,Plg13.0000°,Azm2.0000° $M_0$2.73000×10^{17}

ISC XI 14 03 45 18.6–.91 20.1S–.20 174.0W–.20 31 4.6b,3.6s 38 6-151
IDC XI 14 03 45 13.2–1.8 20.46S 173.68W 0 4.4,4.1 **¶601991928**
ISCJB XI 14 03 45 16.8–.62 20.2S–.10 174.0W–.10 31 4.5b,3.5s
NEIC XI 14 03 45 19.8–.55 19.87S 174.11W 35 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=110.2km s-min=19.1km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=7.6km az=137.6.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=7.3km az=150.0.
ISC XI 14 03 55 00.9–.41 17.85S–.09 175.21W–.08 228 4.4b 133 5-174
ISCJB XI 14 03 54 59.9–.30 17.89S–.07 175.21W–.06 228 4.3b **¶601901922**
NEIC XI 14 03 55 02.0–.99 17.97S 175.13W 240–9 4.4b
IDC XI 14 03 55 02.8–1.7 17.90S 175.15W 242–15 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.2km az=146.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=147.0.
IDC Error ellipse: s-maj=17.4km s-min=11.1km az=127.0.
ISC XI 14 07 41 55.6–.28 20.93S–.06 173.89W–.06 26 5.1b,4.4s 563 4-171
IDC XI 14 07 41 51.9–.43 20.74S 173.99W 0 5.1L,4.8 **¶601891469**
NEIC XI 14 07 41 53.2–.10 20.74S 174.08W 10 5.2b,4.8
ISCJB XI 14 07 41 54.0–.14 20.85S–.04 173.98W–.03 26 5.0b,4.3s
MOS XI 14 07 41 55.8–1.1 20.79S 173.98W 33 5.3b,4.3s
GCMT XI 14 07 41 56.2–.30 20.89S–.04 173.37W–.02 19–0 5.0W,4.3s
BJI XI 14 07 41 57.1 20.42S 173.65W 41 5.6b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=12.3km az=132.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.7km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=144.6.
MOS Error ellipse: s-maj=11.6km s-min=8.4km az=48.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c37; s62,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.23 $M_{\theta\theta}$-1.07±.16; $M_{\phi\phi}$-2.73±.14; $M_{r\theta}$-0.28±.42; $M_{\theta\phi}$-0.94±.10; $M_{\phi r}$0.10±.26; Best double couple: NP1:ϕ_s208.00000°,δ45.00000°,λ95.00000°. NP2:ϕ_s20.00000°,δ45.00000°,λ85.00000°. Principal axes: T 3.8200,Plg86.0000° ,Azm202.0000°; N -0.6680,Plg4.0000°,Azm24.0000°; P -3.1520,Plg0.0000°,Azm294.0000° $M_0$3.48600×10^{16}
ISC XI 14 11 40 57.5–.62 20.90S–.08 173.71W–.08 29–4 4.6b,4.4s 230 7-171
IDC XI 14 11 40 52.8–.48 20.70S 173.94W 0 4.7,4.6L **¶601897595**
NEIC XI 14 11 40 56.9–3.2 20.79S 173.95W 22–22 4.6b,4.6L
ISCJB XI 14 11 40 57.2–.20 20.81S–.06 173.91W–.06 37 4.6b,4.3s
GCMT XI 14 11 40 57.8–.30 21.07S–.04 173.25W–.02 18–1 4.9W,4.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s74,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.61±.21 $M_{\theta\theta}$-0.46±.12; $M_{\phi\phi}$-2.15±.14; $M_{r\theta}$0.79±.32; $M_{\theta\phi}$-0.52±.07; $M_{\phi r}$1.61±.27; Best double couple: NP1:ϕ_s21.00000°,δ63.00000°,λ95.00000°. NP2:ϕ_s192.00000°,δ27.00000°,λ81.00000°. Principal axes: T 3.2040,Plg72.0000° ,Azm302.0000°; N -0.3320,Plg4.0000°,Azm199.0000°; P -2.8680,Plg18.0000° ,Azm108.0000° $M_0$3.03600×10^{16}
IDC XI 14 15 46 49.9–30 16.01S 175.93W 0 4.3,4.2
¶602389393
IDC Error ellipse: s-maj=580.0km s-min=139.0km az=84.0.
IDC XI 15 03 08 57.3–3.3 20.92S 175.66W 0 4.3,4.0
¶602389428
IDC Error ellipse: s-maj=201.7km s-min=41.5km az=152.0.
ISC XI 15 10 12 20.0–.75 18.7S–.10 174.4W–.10 130 3.7b 12 5-86
IDC XI 15 10 12 14.3–3.0 18.55S 174.48W 73–29 4.0,3.9 **¶602389443**
ISCJB XI 15 10 12 18.3–.69 18.7S–.20 174.4W–.10 130 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC XI 15 13 15 19.5–6.4 17.29S 173.40W 0 4.1,3.9b
¶602389454
IDC Error ellipse: s-maj=269.0km s-min=33.5km az=142.0.
ISC XI 15 21 55 14.8–.36 16.91S–.06 174.94W–.07 256 4.6b 168 4-175
ISCJB XI 15 21 55 13.9–.27 16.93S–.04 175.08W–.06 256 4.5b **¶601903362**
IDC XI 15 21 55 13.4–1.7 17.03S 174.94W 239–15 4.6,4.3
NEIC XI 15 21 55 15.0–.77 16.88S 175.03W 256–7 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=26.7.
IDC Error ellipse: s-maj=14.6km s-min=8.9km az=120.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=116.0.
ISC XI 15 22 19 10.8–.44 20.76S–.08 174.90W–.08 57 4.7b 106 7-151
IDC XI 15 22 19 02.8–.56 20.70S 174.93W 0 4.7L,4.5 **¶601992087**
NEIC XI 15 22 19 08.8–.18 20.54S 175.10W 35 4.8b,4.5
ISCJB XI 15 22 19 09.1–.24 21.02S–.05 174.95W–.07 57 4.7b,3.1s
ISC Event type fe.
NEIC Event type fe. Felt at Nuku'alofa.
ISCJB Event type fe.
ISC XI 15 23 01 21.8–.51 20.00S–.10 175.39W–.09 35 4.4b 27 9-95
IDC XI 15 23 01 16.9–4.9 19.87S 175.46W 0 4.3,4.1 **¶601992092**
ISCJB XI 15 23 01 20.1–.43 20.05S–.08 175.43W–.08 35 4.3b,4.1
NEIC XI 15 23 01 21.4–3.4 19.99S 175.40W 33–24 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=157.8km s-min=94.4km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=10.3km az=153.5.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=161.0.
ISC XI 16 19 35 47.9–.88 16.6S–.20 174.6W–.20 50 17 4-146
ISCJB XI 16 19 35 45.3–.72 16.6S–.20 174.6W–.10 50 3.7b **¶602056836**
NEIC XI 16 19 35 49.1–.65 16.67S 174.67W 64–7 4.5b
IDC XI 16 19 35 50.3–4.0 16.81S 174.49W 80–54 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=9.0km az=138.9.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.4km az=132.0.
IDC Error ellipse: s-maj=62.7km s-min=32.7km az=113.0.
IDC XI 17 05 25 07.4–16 17.80S 173.26W 0 4.4s,4.4
¶602389548
IDC Error ellipse: s-maj=308.7km s-min=155.4km az=79.0.
ISC XI 17 06 20 08.5–1.3 17.4S–.20 173.5W–.30 39 4.2b 14 4-84
IDC XI 17 06 19 59.9–4.4 17.95S 173.01W 0 4.2,4.1b **¶601992391**
ISCJB XI 17 06 20 06.6–.96 17.3S–.10 173.6W–.20 39 4.0b,3.6s
NEIC XI 17 06 20 08.8–.84 17.48S 173.61W 35 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=152.6km s-min=26.5km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=32.5km s-min=8.6km az=34.0.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=11.4km az=125.0.
IDC XI 17 16 37 57.6–54 19.93S 175.62W 0 4.2,4.0
¶602389572
IDC Error ellipse: s-maj=1001.0km s-min=161.6km az=83.0.
IDC XI 18 12 59 40.3–1.2 15.05S 173.06W 63–6 4.0,3.9
¶602389609
IDC Error ellipse: s-maj=50.7km s-min=21.0km az=127.0.
IDC XI 18 19 28 43.7–5.7 16.77S 174.49W 272–35 4.1,3.8
¶602389621
IDC Error ellipse: s-maj=209.6km s-min=22.7km az=150.0.
ISC XI 19 15 00 48.9–.54 17.33S–.08 173.1W–.10 28 4.5b,3.9s 70 4-173
IDC XI 19 15 00 45.7–.69 17.64S 173.07W 0 4.4,4.2 **¶601992956**
NEIC XI 19 15 00 46.8–.40 17.59S 173.15W 10 4.6b,4.2
WEL XI 19 15 01 01.7–1.1 18S–16 174W–54 33 4.6b,4.2
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 19 16 11 50.9–.78 17.4S–.20 173.2W–.20 28 4.2b,3.7s 24 4-148
IDC XI 19 16 11 46.8–.86 17.51S 173.15W 0 4.3,4.0 **¶601992971**
NEIC XI 19 16 11 48.2–.47 17.47S 173.18W 10 4.5b,4.0
ISCJB XI 19 16 11 49.3–.59 17.4S–.10 173.3W–.10 28 4.1b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 21 03 21 41.7–.95 17.6S–.20 175.2W–.20 256 3.5b 9 5-147
IDC XI 21 03 21 35.9–2.3 17.55S 175.13W 197–22 4.0,3.7 **¶602389765**

ISCJB XI 21 03 21 40.5–.79 17.6S–.20 175.2W–.20 256 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 22 12 33 10.0–12 16.34S 173.42W 0 3.8,3.7L
¶602389833

IDC Error ellipse: s-maj=544.2km s-min=26.4km az=139.0.
IDC XI 23 02 27 37.7–29 19.72S 175.21W 0 4.2,4.1
¶602389860

IDC Error ellipse: s-maj=532.5km s-min=146.6km az=77.0.
ISC XI 23 22 15 53.3–.48 17.24S–.07 173.70W–.08 10 4.2b,3.2s 32 4-148
ISCJB XI 23 22 15 52.3–.47 17.25S–.07 173.88W–.08 10 4.2b,3.2s **¶601994016**
IDC XI 23 22 15 52.9–.64 17.27S 173.82W 0 4.4,4.2b
NEIC XI 23 22 15 53.7–.43 17.32S 173.74W 10 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.7km az=39.3.
IDC Error ellipse: s-maj=26.6km s-min=15.4km az=139.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.1km az=147.0.
IDC XI 24 00 15 20.2–45 16.19S 174.26W 0 4.3,4.1
¶602389914

IDC Error ellipse: s-maj=866.8km s-min=177.3km az=79.0.
IDC XI 24 03 41 18.6–3.3 17.99S 173.71W 401–38 4.1,3.3
¶602389924

IDC Error ellipse: s-maj=94.7km s-min=40.4km az=175.0.
IDC XI 24 12 34 00.5–2.5 17.59S 175.06W 226–33 4.1,3.7
¶602389935

IDC Error ellipse: s-maj=39.9km s-min=22.2km az=116.0.
IDC XI 25 02 45 40.1–8.4 17.67S 174.24W 0 3.6,3.4
¶602389952

IDC Error ellipse: s-maj=366.1km s-min=40.1km az=141.0.
IDC XI 25 04 24 21.9–6.1 20.56S 174.75W 0 4.1,4.0L
¶602389955

IDC Error ellipse: s-maj=219.8km s-min=29.4km az=138.0.
ISC XI 25 21 22 43.1–1.9 15.4S–.70 173.5W–.40 42 3.5b,3.2s 7 2-146
IDC XI 25 21 22 36.9–1.9 15.30S 173.41W 0 4.0,3.7 **¶601994439**
ISC Event type ke.
IDC Error ellipse: s-maj=113.7km s-min=20.8km az=150.0.
IDC XI 25 21 27 44.9–8.9 15.54S 173.15W 0 3.8,3.6
¶602389990

IDC Error ellipse: s-maj=416.0km s-min=24.6km az=141.0.
IDC XI 26 18 31 18.1–2.5 16.14S 173.52W 0 4.0,3.7
¶602390001

IDC Error ellipse: s-maj=141.7km s-min=21.3km az=146.0.
ISC XI 27 14 39 15.0–.77 17.7S–.10 174.5W–.10 100 4.5b 19 5-57
IDC XI 27 14 39 14.2–4.0 17.84S 174.78W 72–52 4.4,4.1 **¶602000846**
NEIC XI 27 14 39 14.8–4.4 17.68S 174.80W 80–66 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=32.8km az=93.0.
NEIC Event type se. Error ellipse: s-maj=49.3km s-min=14.4km az=48.0.
IDC XI 27 16 23 21.1–2.8 15.39S 173.64W 0 3.8,3.7
¶602390067

IDC Error ellipse: s-maj=162.0km s-min=19.3km az=148.0.
IDC XI 29 07 08 46.1–1.4 15.63S 174.57W 276–34 4.2,3.8
¶602390157

IDC Error ellipse: s-maj=118.7km s-min=19.3km az=136.0.
IDC XI 29 16 10 30.9–28 17.46S 174.56W 0 4.0,3.8
¶602055674

IDC Error ellipse: s-maj=558.4km s-min=155.4km az=86.0.
ISC XI 30 00 24 49.6–1.0 19.9S–.20 175.4W–.20 204 3.9b 19 7-150
ISCJB XI 30 00 24 48.0–1.0 20.0S–.10 175.5W–.20 204 3.9b **¶602056181**
NEIC XI 30 00 24 48.6–1.5 19.94S 175.48W 193–15 4.4b
IDC XI 30 00 24 48.1–2.6 19.96S 175.51W 183–24 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=13.3km az=42.2.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=12.2km az=135.0.
IDC Error ellipse: s-maj=31.4km s-min=16.6km az=135.0.
ISC XI 30 11 20 38.4–.37 18.96S–.04 175.51W–.04 203–3 5.1b 1141 5-174
MOS XI 30 11 20 35.9–.99 18.73S 175.59W 184 5.2b **¶601995437**
ISCJB XI 30 11 20 36.5–.56 18.81S–.02 175.60W–.02 192–5 5.1b
BJI XI 30 11 20 36.9 18.31S 175.56W 182 5.5b,5.4b
NEIC XI 30 11 20 38.4–.54 18.82S 175.60W 200–5 5.7W,5.1b
IDC XI 30 11 20 40.8–.52 18.93S 175.54W 225–4 5.6,5.1
GCMT XI 30 11 20 44.4–.10 18.87S–.01 175.15W–.01 233–0 5.6W,5.1
WEL XI 30 11 20 46.7–1.3 20S–14 175W–52 232–9 5.6W,5.1
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Neiafu. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.82 $M_{\theta\theta}$1.11 $M_{\phi\phi}$1.71 $M_{r\theta}$-1.60 $M_{\theta\phi}$1.29 $M_{\phi r}$-1.98 Best double couple: NP1:ϕ_s39.00000° ,δ66.00000°,λ-90.00000°. NP2:ϕ_s218.00000°,δ24.00000°,λ-91.00000°. Principal axes: T 3.7300,Plg21.0000°,Azm129.0000°; N 0.0800,Plg0.0000°,Azm219.0000° ; P -3.8100,Plg69.0000°,Azm309.0000° $M_0$3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c217; s132,c317; Duration: 1$\hat{s}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32±.03 $M_{\theta\theta}$1.14±.04; $M_{\phi\phi}$0.17±.04; $M_{r\theta}$-1.44±.03; $M_{\theta\phi}$1.18±.04; $M_{\phi r}$-2.74±.03; Best double couple: NP1:ϕ_s30.00000°,δ78.00000° ,λ-106.00000°. NP2:ϕ_s265.00000°,δ20.00000°,λ-37.00000°. Principal axes: T 3.6120,Plg31.0000°,Azm134.0000°; N -0.1560,Plg16.0000°,Azm34.0000° ; P -3.4570,Plg54.0000°,Azm280.0000° $M_0$3.53400×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 01 08 51 07.6–.72 15.89S–.07 173.38W–.08 26 4.3b 20 3-147
IDC XII 01 08 51 04.6–1.7 16.13S 173.61W 0 4.2,4.2L **¶602064778**
NEIC XII 01 08 51 07.8–.36 15.81S 173.94W 10 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=110.9km s-min=21.3km az=147.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=165.0.
ISC XII 01 15 17 05.7–1.8 16.6S–.60 175.8W–.30 35 4.0b 10 5-147
IDC XII 01 15 17 00.6–2.5 16.81S 175.90W 0 4.2,3.9 **¶602390284**
ISC Event type ke.
IDC Error ellipse: s-maj=147.1km s-min=22.3km az=151.0.
ISC XII 01 20 10 17.2–.40 20.75S–.10 174.09W–.09 27 4.8b,4.2s 123 4-171
BJI XII 01 20 10 13.6 20.28S 173.33W 13 5.0b,4.2s **¶601995689**
IDC XII 01 20 10 13.3–.57 20.67S 174.34W 0 4.5,4.4
NEIC XII 01 20 10 14.8–.19 20.69S 174.38W 10 5.0b,4.4
ISCJB XII 01 20 10 16.1–.31 20.72S–.08 174.41W–.08 27 4.7b,4.1s
GCMT XII 01 20 10 21.9–.40 20.96S–.04 173.77W–.02 22–1 4.9W,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c33; s64,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.96±.23 $M_{\theta\theta}$-0.35±.15; $M_{\phi\phi}$-2.61±.14; $M_{r\theta}$0.92±.30; $M_{\theta\phi}$-0.91±.09; $M_{\phi r}$1.15±.21; Best double couple: NP1:ϕ_s28.00000°,δ58.00000°,λ99.00000°. NP2:ϕ_s192.00000°,δ33.00000°,λ76.00000°. Principal axes: T 3.3370,Plg75.0000° ,Azm322.0000°; N -0.0970,Plg7.0000°,Azm203.0000°; P -3.2440,Plg13.0000° ,Azm111.0000° $M_0$3.29100×10^{16}
ISC XII 02 13 32 47.0–.25 20.85S–.04 174.03W–.05 26 5.1b,4.8s 592 4-171
BJI XII 02 13 32 44.0 20.49S 174.06W 6 5.6b,5.3s **¶601995807**
IDC XII 02 13 32 44.2–.43 20.65S 174.34W 0 4.9,4.8
WEL XII 02 13 32 44.0 20.69S 174.21W 10 4.9,4.8
NEIC XII 02 13 32 44.7–.14 20.69S 174.21W 10 5.1b,4.8
ISCJB XII 02 13 32 46.0–.11 20.81S–.03 174.12W–.03 26 5.0b,4.8s
GCMT XII 02 13 32 50.7–.10 20.97S–.01 173.69W–.01 18–0 5.3W,4.8s
MOS XII 02 13 32 51.0–3.3 20.27S 174.43W 33 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=13.0km az=137.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=40.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c157; s117,c211;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.02 $M_{\theta\theta}$-0.24±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$0.58±.03; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$0.61±.03; Best double couple: NP1:ϕ_s40.00000°,δ65.00000°,λ97.00000°. NP2:ϕ_s204.00000°,δ25.00000°,λ75.00000°. Principal axes: T 1.2670,Plg69.0000° ,Azm324.0000°; N 0.0550,Plg6.0000°,Azm217.0000°; P -1.3220,Plg20.0000°,Azm125.0000° $M_0$1.29500×10^{17}
MOS Error ellipse: s-maj=9.7km s-min=8.5km az=68.9.
IDC XII 02 21 11 32.9–55 17.89S 175.90W 0 4.2,4.0
¶602390373

IDC Error ellipse: s-maj=1029.0km s-min=171.4km az=80.0.
ISC XII 03 13 42 13.9–.80 16.3S–.20 174.2W–.20 111 3.7b 37 3-83
ISCJB XII 03 13 42 12.7–.51 16.19S–.09 174.3W–.10 111 3.7b **¶602390395**
IDC XII 03 13 42 14.4–2.6 16.65S 173.83W 126–24 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=6.4km az=34.3.
IDC Error ellipse: s-maj=41.9km s-min=15.2km az=136.0.
ISC XII 03 19 53 15.4–.96 17.2S–.30 175.0W–.20 35 4.5b 13 37-154
IDC XII 03 19 52 59.4–25 18.87S 173.27W 0 4.6,4.5 **¶601996006**
ISCJB XII 03 19 53 13.4–.70 16.9S–.20 175.3W–.20 35 4.7b,4.5
NEIC XII 03 19 53 13.1–1.5 17.97S 174.67W 35 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=463.4km s-min=147.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=38.4km s-min=16.1km az=156.4.
NEIC Event type se. Error ellipse: s-maj=106.0km s-min=13.2km az=152.0.
GCMT XII 04 13 15 05.0–.40 21.16S–.05 173.09W–.03 30–0 5.0W
¶606347894

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s63,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.88±.29 $M_{\theta\theta}$-1.29±.17; $M_{\phi\phi}$-2.58±.17; $M_{r\theta}$0.89±.20; $M_{\theta\phi}$-0.92±.09; $M_{\phi r}$1.06±.17; Best double couple: NP1:ϕ_s31.00000°,δ56.00000° ,λ94.00000°. NP2:ϕ_s205.00000°,δ34.00000°,λ84.00000°. Principal axes: T 4.1520,Plg79.0000°,Azm315.0000°; N -0.8320,Plg3.0000°,Azm209.0000° ; P -3.3100,Plg11.0000°,Azm119.0000° $M_0$3.73100×10^{16}
IDC XII 05 00 08 13.3–3.3 17.80S 175.96W 0 4.3,4.2
¶602390475

IDC Error ellipse: s-maj=181.1km s-min=31.6km az=145.0.
ISC XII 05 10 24 34.4–.62 15.3S–.10 173.43W–.10 42 4.4b,3.7s 31 2-146
IDC XII 05 10 24 28.7–.85 15.23S 173.44W 0 4.4,4.1 **¶602037346**
NEIC XII 05 10 24 30.1–.27 15.29S 173.46W 10 4.4b,4.1
ISCJB XII 05 10 24 32.7–.39 15.38S–.07 173.48W–.06 42 4.4b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 05 13 48 45.0–.34 15.15S–.08 173.35W–.07 30 4.9b,4.8s 268 2-154
IDC XII 05 13 48 41.3–.63 14.93S 173.59W 0 4.8s,4.8 **¶601996082**
NEIC XII 05 13 48 42.2–.18 14.94S 173.27W 10 5.0b,4.8
ISCJB XII 05 13 48 44.0–.22 14.99S–.06 173.32W–.05 30 4.9s,4.8b
BJI XII 05 13 48 44.7 14.95S 173.17W 35 5.4b,5.2s
MOS XII 05 13 48 45.2–1.3 14.96S 173.14W 33 5.1b,5.2s
GCMT XII 05 13 48 48.2–.10 14.83S–.01 173.15W–.01 12 5.3W,5.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c127; s121,c218;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.01 $M_{\theta\theta}$0.55±.01; $M_{\phi\phi}$-0.67±.01; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$0.55±.03; Best double couple: NP1:ϕ_s21.00000°,δ85.00000°,λ143.00000°. NP2:ϕ_s115.00000°,δ53.00000°,λ6.00000°. Principal axes: T 1.0080,Plg29.0000° ,Azm332.0000°; N 0.0570,Plg53.0000°,Azm195.0000°; P -1.0650,Plg21.0000°,Azm74.0000° $M_0$1.03600×10^{17}
IDC XII 05 17 04 26.3–2.3 15.56S 173.30W 0 4.3,4.0
¶602037345

IDC Error ellipse: s-maj=157.0km s-min=22.3km az=152.0.
IDC XII 05 18 50 18.6–29 18.49S 175.78W 249–228 3.5,3.2
¶602390515

IDC Error ellipse: s-maj=384.9km s-min=61.8km az=140.0.
ISC XII 06 09 42 42.8–.39 19.62S–.09 175.07W–.07 137 4.4b 76 5-150
NEIC XII 06 09 42 40.1–.97 19.58S 175.15W 111–9 4.5b **¶602037347**
ISCJB XII 06 09 42 41.8–.31 19.67S–.07 175.21W–.07 137 4.2b
IDC XII 06 09 42 41.1–2.5 19.63S 175.14W 119–22 4.4,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=8.3km az=150.0.
IDC Error ellipse: s-maj=15.4km s-min=11.8km az=134.0.
IDC XII 06 11 23 55.9–5.2 15.51S 174.16W 67–39 4.2L,3.6
¶602390550

IDC Error ellipse: s-maj=324.1km s-min=25.2km az=150.0.
ISC XII 07 17 51 39.2–.76 15.99S–.07 173.78W–.09 35 4.1b 17 3-83
IDC XII 07 17 51 34.9–1.8 15.56S 174.16W 0 4.3L,4.2 **¶602064809**
ISCJB XII 07 17 51 37.6–.55 15.86S–.09 173.94W–.09 35 4.3b,4.2
NEIC XII 07 17 51 40.0–1.4 15.90S 173.94W 41–15 4.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=120.6km s-min=17.4km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=8.0km az=140.2.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.2km az=123.0.
ISC XII 08 12 40 00.5–3.4 15.3S–.90 173.4W–.80 42 3.7b 6 2-146
IDC XII 08 12 39 54.4–4.4 15.33S 173.32W 0 4.5s,4.5 **¶602390813**
ISC Event type ke.
IDC Error ellipse: s-maj=221.1km s-min=28.0km az=138.0.
ISC XII 08 18 43 04.7–.56 21.01S–.07 173.70W–.08 35 4.7b 41 4-152
ISCJB XII 08 18 43 02.7–.43 20.93S–.06 173.68W–.07 35 4.8s,4.7b **¶602037349**
NEIC XII 08 18 43 02.1–.54 21.14S 173.76W 10 4.8b,4.7b
IDC XII 08 18 43 05.0–2.2 20.98S 174.47W 0 4.8s,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=137.4.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.1km az=129.0.
IDC Error ellipse: s-maj=89.7km s-min=39.2km az=145.0.
IDC XII 08 21 20 01.4–5.3 15.73S 173.75W 0 4.0,3.9b
¶602390849

IDC Error ellipse: s-maj=293.9km s-min=28.1km az=146.0.
IDC XII 09 00 39 33.0–8.0 18.14S 174.79W 0 3.4,3.3
¶602390864

IDC Error ellipse: s-maj=361.2km s-min=42.4km az=11.0.
ISC XII 09 18 31 22.8–.61 15.7S–.10 174.8W–.10 250 4.0b 49 3-155
ISCJB XII 09 18 31 21.1–.55 15.7S–.10 174.85W–.10 250 4.0b **¶602390918**
IDC XII 09 18 31 21.7–1.2 15.71S 174.83W 240–13 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=9.2km az=148.3.
IDC Error ellipse: s-maj=22.3km s-min=12.7km az=137.0.
ISC XII 09 20 52 40.9–.25 16.16S–.05 174.14W–.05 150 5.1b 755 3-175
BJI XII 09 20 52 35.1 16.45S 173.77W 126 5.4b,4.9b **¶602032275**
MOS XII 09 20 52 38.4–1.3 16.08S 174.27W 135 5.0b,4.9b
NEIC XII 09 20 52 39.2–.67 16.24S 174.22W 138–6 5.2b,4.9b
WEL XII 09 20 52 39.0 16.24S 174.22W 138 5.2b,4.9b
ISCJB XII 09 20 52 39.6–.08 16.09S–.02 174.28W–.02 150 5.1b,4.9b
IDC XII 09 20 52 41.8–.61 16.20S 174.20W 161–5 5.2,4.9
GCMT XII 09 20 52 46.2–.20 16.18S–.01 173.77W–.01 166–1 5.2W,4.9
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c110; s106,c146;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.84±.16 $M_{\theta\theta}$-1.68±.27; $M_{\phi\phi}$-0.15±.24; $M_{r\theta}$-4.68±.14; $M_{\theta\phi}$-2.90±.21; $M_{\phi r}$5.87±.12; Best double couple: NP1:ϕ_s140.00000°,δ90.00000°,λ-92.00000°. NP2:ϕ_s37.00000°,δ2.00000°,λ-13.00000°. Principal axes: T 9.4670,Plg45.0000° ,Azm232.0000°; N -3.9130,Plg2.0000°,Azm140.0000°; P -5.5520,Plg45.0000°,Azm48.0000° $M_0$7.51000×10^{16}
IDC XII 11 01 10 45.1–7.5 17.13S 174.93W 0 4.2,3.9
¶602391048

IDC Error ellipse: s-maj=328.5km s-min=38.8km az=141.0.
IDC XII 12 04 03 23.9–2.6 16.39S 175.27W 181–59 4.1,3.8
¶602391149

IDC Error ellipse: s-maj=291.4km s-min=24.2km az=142.0.
IDC XII 12 12 09 25.1–5.1 16.16S 175.87W 0 4.7,4.5

¶602391184

IDC Error ellipse: s-maj=158.1km s-min=100.0km az=151.0.
ISC XII 13 14 37 52.9–1.5 18.1S–.30 175.0W–.30 228 4.4b 7 18-149
ISCJB XII 13 14 37 50.8–1.6 18.2S–.20 174.8W–.30 228 4.0b **¶602391270**
IDC XII 13 14 37 58.4–9.5 18.22S 175.01W 280–89 4.4,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.2km s-min=26.4km az=39.9.
IDC Error ellipse: s-maj=40.6km s-min=37.1km az=95.0.
IDC XII 14 15 23 15.9–4.7 16.36S 175.58W 0 4.4,4.2
¶602391330

IDC Error ellipse: s-maj=173.8km s-min=94.9km az=156.0.
IDC XII 16 13 18 00.5–50 17.84S 175.37W 0 4.3,4.1b
¶602391465

IDC Error ellipse: s-maj=949.4km s-min=171.4km az=80.0.
ISC XII 17 17 50 31.0–.61 18.0S–.10 174.8W–.10 100 4.7b 105 5-157
IDC XII 17 17 50 18.6–.67 17.73S 174.84W 0 4.8,4.6 **¶602052872**
NEIC XII 17 17 50 28.2–3.6 17.92S 174.80W 79–32 4.9b,4.6
ISCJB XII 17 17 50 29.2–.31 17.95S–.07 174.85W–.07 100 4.6b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 18 08 20 26.7–2.0 19.61S 173.46W 0 4.3,4.0
¶602391593

IDC Error ellipse: s-maj=162.7km s-min=31.8km az=158.0.
ISC XII 19 11 51 52.6–.41 19.12S–.06 175.51W–.08 231 4.9b 249 5-173
ISCJB XII 19 11 51 51.9–.27 19.02S–.03 175.66W–.05 231 4.8b **¶602051968**
BJI XII 19 11 51 52.1 18.65S 175.21W 232 5.0b,4.8b
NEIC XII 19 11 51 53.7–2.3 19.04S 175.56W 241–21 4.9b,4.8b
IDC XII 19 11 51 53.2–2.0 19.03S 175.61W 234–18 4.8,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=178.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.6km az=49.0.
IDC Error ellipse: s-maj=13.0km s-min=9.7km az=139.0.
ISC XII 19 16 02 22.7–.39 20.78S–.06 174.28W–.10 27 4.9b,4.1s 242 4-171
IDC XII 19 16 02 18.9–.51 20.51S 174.30W 0 4.8,4.8L **¶602051975**
NEIC XII 19 16 02 20.0–.17 20.51S 174.28W 10 5.0b,4.8L
WEL XII 19 16 02 19.0 20.51S 174.28W 10 5.0b,4.8L
BJI XII 19 16 02 19.3 20.28S 174.16W 8 5.5b,5.2s
ISCJB XII 19 16 02 21.1–.17 20.65S–.04 174.26W–.06 27 4.8b,4.1s
GCMT XII 19 16 02 25.0–.40 20.63S–.03 173.73W–.03 32–0 5.0W,4.1s
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s60,c75;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.39±.24 $M_{\theta\theta}$-2.01±.18; $M_{\phi\phi}$-2.39±.15; $M_{r\theta}$1.69±.23; $M_{\theta\phi}$1.12±.09; $M_{\theta r}$1.64±.15; Best double couple: NP1:ϕ_s340.00000°,δ50.00000°,λ117.00000°. NP2:ϕ_s122.00000°,δ47.00000°,λ62.00000°. Principal axes: T 5.2650,Plg70.0000° ,Azm317.0000°; N -1.9340,Plg20.0000°,Azm142.0000°; P -3.3410,Plg2.0000°,Azm52.0000° M_o4.30300×10^{16}
IDC XII 20 00 36 34.0–2.8 15.26S 173.50W 0 4.1,3.7
¶602391698

IDC Error ellipse: s-maj=163.2km s-min=24.7km az=147.0.
IDC XII 20 19 20 33.4–2.6 17.21S 173.86W 0 4.1,4.0
¶602391747

IDC Error ellipse: s-maj=140.9km s-min=26.1km az=144.0.
ISC XII 20 19 38 43.4–.36 20.77S–.08 173.98W–.08 26 4.9b 295 4-171
IDC XII 20 19 38 39.1–.48 20.75S 174.03W 0 4.7,4.6 **¶602054382**
ISCJB XII 20 19 38 41.9–.21 20.77S–.06 174.09W–.05 26 4.9b,3.9s
BJI XII 20 19 38 44.6 20.65S 173.65W 48 5.4b,5.2s
NEIC XII 20 19 38 45.8–2.1 20.77S 174.07W 44–18 5.0b,5.2s
MOS XII 20 19 38 55.4–1.4 19.74S 175.70W 59 5.0b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=13.5km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=148.9.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=152.0.
MOS Error ellipse: s-maj=17.6km s-min=12.1km az=25.5.
ISC XII 21 01 45 18.3–.73 20.85S–.06 173.85W–.06 35–3 4.9b,4.2s 608 4-178
IDC XII 21 01 45 13.3–.48 20.82S 173.95W 0 5.0,4.9 **¶602054391**
ISCJB XII 21 01 45 15.3–2.6 20.75S–.04 174.05W–.04 15–16 4.9b,4.2s
GCMT XII 21 01 45 16.8–.30 20.76S–.03 173.71W–.02 21–1 5.0W,4.2s
BJI XII 21 01 45 17.4 20.73S 174.05W 30 5.2b,5.1b
MOS XII 21 01 45 17.7–1.1 20.70S 174.11W 33 5.2b,5.1b
WEL XII 21 01 45 18.0 20.77S 174.07W 34 5.2b,5.1b
NEIC XII 21 01 45 18.8–2.5 20.77S 174.07W 34–17 4.9b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=14.0km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=141.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c62; s73,c96;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.80±.21 $M_{\theta\theta}$2.28±.17; $M_{\phi\phi}$1.52±.14; $M_{r\theta}$0.57±.31; $M_{\theta\phi}$-1.91±.10; $M_{\theta r}$1.77±.22; Best double couple: NP1:ϕ_s150.00000°,δ54.00000°,λ-64.00000°. NP2:ϕ_s290.00000°,δ43.00000°,λ-121.00000°. Principal axes: T 3.9140,Plg6.0000° ,Azm222.0000°; N 0.6110,Plg21.0000°,Azm314.0000°; P -4.5250,Plg68.0000° ,Azm117.0000° M_o4.21900×10^{16}
MOS Error ellipse: s-maj=10.7km s-min=8.8km az=51.3.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=147.0.
ISC XII 22 12 15 58.3–4.5 19.4S–.10 175.6W–.10 180–40 4.4b 111 17-152
IDC XII 22 12 15 53.1–6.6 19.35S 175.53W 132–59 4.4,4.3 **¶602068812**
NEIC XII 22 12 15 57.9–2.6 19.35S 175.68W 177–24 4.4b,4.3
ISCJB XII 22 12 15 58.1–4.0 19.4S–.10 175.70W–.07 191–38 4.4b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 22 14 40 24.3–7.6 15.27S 174.70W 0 4.3,4.0
¶602391872

IDC Error ellipse: s-maj=339.4km s-min=33.3km az=139.0.
ISC XII 22 20 18 54.9–.51 16.13S–.10 173.23W–.08 10 4.8b,3.3s 40 4-147
ISCJB XII 22 20 18 53.4–.40 16.00S–.09 173.36W–.07 10 4.6b,3.2s **¶602068813**
IDC XII 22 20 18 54.7–1.5 15.90S 173.52W 0 4.2,4.0
NEIC XII 22 20 18 55.1–.37 16.04S 173.32W 10 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.6km az=160.8.
IDC Error ellipse: s-maj=90.1km s-min=20.0km az=149.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=160.0.
ISC XII 23 08 08 41.7–.91 17.4S–.20 175.3W–.20 256 20 18-147
IDC XII 23 08 08 39.7–7.9 17.46S 175.16W 238–77 4.1,3.7 **¶602391912**
ISCJB XII 23 08 08 40.6–.70 17.4S–.20 175.3W–.10 256 4.1,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XII 23 11 51 00.5–1.9 20.24S 174.77W 0 4.2,3.9
¶602391919

IDC Error ellipse: s-maj=147.0km s-min=21.4km az=154.0.
IDC XII 23 21 40 53.3–7.3 19.10S 174.12W 0 4.1,3.8
¶602391943

IDC Error ellipse: s-maj=313.0km s-min=41.8km az=142.0.
ISC XII 24 02 45 43.6–.58 15.25S–.09 173.4W–.10 30 4.0b,3.6s 36 5-148
IDC XII 24 02 45 39.7–.96 15.23S 173.53W 0 4.4,4.1 **¶602322673**
ISCJB XII 24 02 45 41.7–.49 15.17S–.09 173.49W–.08 30 4.0b,3.5s
NEIC XII 24 02 45 44.8–.44 15.19S 173.47W 35 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=18.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=11.1km az=166.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.1km az=151.0.
IDC XII 24 08 20 21.1–7.6 15.62S 175.53W 0 4.0,3.7
¶602391981

IDC Error ellipse: s-maj=334.6km s-min=34.7km az=140.0.
IDC XII 24 20 05 11.7–1.9 16.75S 174.01W 0 4.2,4.0
¶602392016

IDC Error ellipse: s-maj=57.9km s-min=32.6km az=119.0.
ISC XII 24 23 04 41.7–.54 15.4S–.10 173.6W–.10 42 4.2b 60 5-175
IDC XII 24 23 04 36.5–1.3 14.96S 173.73W 0 4.5,4.1b **¶602322672**
NEIC XII 24 23 04 37.5–.28 15.22S 173.62W 10 4.2b,4.1b
ISCJB XII 24 23 04 40.0–.41 15.42S–.07 173.58W–.07 42 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 25 16 26 36.6–.86 21.4S–.20 173.6W–.20 46 3.9b 22 4-150
NEIC XII 25 16 26 30.6–.59 21.42S 173.23W 10 4.1b **¶602324116**
IDC XII 25 16 26 31.5–2.0 20.97S 173.88W 0 4.3,4.1
ISCJB XII 25 16 26 35.1–.69 21.4S–.10 173.7W–.10 46 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 26 21 24 01.4–.61 20.8S–.20 174.8W–.10 35 4.3b 72 5-160
IDC XII 26 21 23 54.8–.78 20.99S 174.65W 0 4.4,4.3 **¶602323399**
NEIC XII 26 21 23 56.7–.32 20.92S 174.74W 10 4.5b,4.3
ISCJB XII 26 21 23 59.3–.44 20.9S–.10 174.82W–.09 35 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 27 09 42 00.2–.21 18.55S–.04 173.36W–.04 31 5.4b,4.9s 1075 3-176
IDC XII 27 09 41 55.9–.41 18.32S 173.57W 0 5.2,5.1 **¶602059384**
MOS XII 27 09 41 55.3–1.1 18.18S 173.56W 33 5.5b,5.0s
NEIC XII 27 09 41 59.7–.45 18.30S 173.56W 23–3 5.4b,5.0s
ISCJB XII 27 09 41 59.4–.08 18.31S–.02 173.57W–.03 31 5.3b,5.0s
WEL XII 27 09 41 59.0 18.30S 173.56W 23 5.3b,5.0s
BJI XII 27 09 42 01.2 18.02S 173.31W 40 5.7b,5.3s
GCMT XII 27 09 42 03.7–.10 18.42S–.01 173.13W–.01 29–0 5.5W,5.3s
ISC Event type fe.
NEIC Event type fe. Felt at Neiafu.
ISCJB Event type fe.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c209; s129,c219;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.92±.03 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.36±.03; $M_{\theta\phi}$0.62±.01; $M_{\theta r}$-0.50±.03; Best double couple: NP1:ϕ_s129.00000°,δ54.00000°,λ96.00000°. NP2:ϕ_s298.00000°,δ36.00000°,λ81.00000°. Principal axes: T 2.0300,Plg80.0000° ,Azm65.0000°; N -0.2950,Plg5.0000°,Azm305.0000°; P -1.7330,Plg9.0000°,Azm214.0000° M_o1.88100×10^{17}
ISC XII 27 18 12 17.6–1.0 15.8S–.20 173.5W–.20 350 3.5b 36 20-81
ISCJB XII 27 18 12 16.3–.83 15.9S–.10 173.5W–.20 350 3.5b **¶602380726**
IDC XII 27 18 12 17.6–10 16.04S 173.37W 354–108 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=13.2km az=20.2.
IDC Error ellipse: s-maj=40.2km s-min=24.0km az=173.0.
IDC XII 27 20 14 17.7–2.9 16.82S 175.25W 0 3.9,3.6
¶602380730

IDC Error ellipse: s-maj=358.5km s-min=30.5km az=158.0.
ISC XII 27 21 45 51.4–.48 15.24S–.10 173.4W–.10 35 4.4b,4.0s 80 5-149
IDC XII 27 21 45 46.3–.63 15.34S 173.34W 0 4.5,4.3 **¶602092434**
ISCJB XII 27 21 45 49.7–.28 15.33S–.07 173.46W–.08 35 4.4b,4.0s
NEIC XII 27 21 45 51.3–.20 15.35S 173.38W 35 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=16.4km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=41.8.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=131.0.
IDC XII 27 21 52 14.8–9.3 15.02S 174.07W 0 3.8,3.5
¶602380734

IDC Error ellipse: s-maj=396.4km s-min=65.8km az=139.0.
IDC XII 27 22 10 08.4–1.8 15.20S 173.33W 0 4.0,3.7
¶602380738

IDC Error ellipse: s-maj=109.3km s-min=24.0km az=150.0.
IDC XII 28 11 39 12.9–7.5 17.54S 174.71W 0 3.9,3.6
¶602380773

IDC Error ellipse: s-maj=323.2km s-min=39.0km az=141.0.
IDC XII 30 07 11 23.6–8.1 15.57S 173.29W 0 4.1,3.8
¶602380880

IDC Error ellipse: s-maj=363.2km s-min=35.1km az=139.0.
IDC XII 31 04 40 03.1–7.3 17.19S 174.95W 0 3.7,3.4
¶602380469

IDC Error ellipse: s-maj=315.5km s-min=69.2km az=142.0.
ISC XII 31 23 06 26.0–.49 15.13S–.08 173.2W–.10 29 4.3b,3.6s 52 5-148
IDC XII 31 23 06 21.9–.64 15.20S 173.15W 0 4.4,4.1 **¶602092451**
ISCJB XII 31 23 06 25.0–.38 15.05S–.08 173.42W–.09 29 4.2b,3.7s
NEIC XII 31 23 06 27.5–.30 15.07S 173.34W 35 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=13.3km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=9.0km az=136.3.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=137.0.

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IDC VII 03 20 48 41.1–18 22.77S 175.43W 0 4.4,4.2
¶601663445

IDC Error ellipse: s-maj=330.4km s-min=138.3km az=83.0.
IDC VII 08 03 58 35.5–18 23.98S 175.42W 0 4.3,4.2b
¶601664272

IDC Error ellipse: s-maj=336.0km s-min=146.9km az=83.0.
IDC VII 12 00 58 05.8–19 22.36S 175.30W 0 4.2,4.0
¶601664458

IDC Error ellipse: s-maj=351.8km s-min=144.7km az=81.0.
ISC VII 22 17 05 45.8–.40 22.07S–.08 174.88W–.09 33 4.8b,4.3s 169 6-155
BJI VII 22 17 05 40.4 21.80S 174.70W 10 5.3b,5.1b **¶601456944**
IDC VII 22 17 05 41.7–.67 21.86S 175.13W 0 4.8,4.6b
NEIC VII 22 17 05 42.5–.47 21.85S 174.99W 10 4.9b,4.6b
GCMT VII 22 17 05 42.5–.30 22.00S 174.42W 31–0 5.2W,4.6b
ISCJB VII 22 17 05 44.8–.40 21.94S–.07 175.12W–.08 33 4.7b,4.3s
MOS VII 22 17 05 51.0–1.1 20.81S 176.63W 33 5.1b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.9km az=134.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.8km az=120.0.
GCMT Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s47,c53; s86,c128; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79±.04 $M_{\theta\theta}$-0.19±.02; $M_{\phi\phi}$-0.59±.02; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$-0.23±.01; $M_{\theta r}$0.22±.02; Best double couple: NP1:ϕ_s27.00000°,δ55.00000° ,λ93.00000°. NP2:ϕ_s202.00000°,δ36.00000°,λ86.00000°. Principal axes: T 0.8290,Plg80.0000°,Azm308.0000°; N -0.0840,Plg2.0000°,Azm205.0000° ; P -0.7450,Plg10.0000°,Azm115.0000° M_o0.78700×10^{17}
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.0km az=33.6.
MOS Error ellipse: s-maj=18.5km s-min=13.0km az=41.6.
IDC VII 24 20 37 27.7–6.7 18.25S 172.88W 0 4.1,3.8
¶601666388

IDC Error ellipse: s-maj=330.6km s-min=58.9km az=145.0.
ISC VII 27 19 20 45.3–.35 17.75S–.06 172.93W–.07 28 4.9b,4.2s 294 4-173
WEL VII 27 19 20 42.0 17.78S 172.93W 11 4.9b,4.2s **¶601483959**
NEIC VII 27 19 20 42.8–3.6 17.78S 172.93W 11–22 4.9b,4.2s
GCMT VII 27 19 20 42.8–.30 17.98S 172.38W 22–0 4.9W,4.2s
BJI VII 27 19 20 43.9 17.90S 172.85W 26 5.3b,5.0b
ISCJB VII 27 19 20 44.1–.14 17.70S–.03 173.02W–.04 28 4.8b,4.2s
IDC VII 27 19 20 46.6–4.0 17.86S 173.05W 33–29 4.5,4.5
ISC Event type se.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=135.0.
GCMT Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s33,c34; s85,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.76±.18 $M_{\theta\theta}$0.52±.11; $M_{\phi\phi}$2.25±.12; $M_{r\theta}$-0.30±.20; $M_{\theta\phi}$0.18±.08; $M_{\theta r}$-0.86±.15; Best double couple: NP1:ϕ_s10.00000°,δ55.00000° ,λ-86.00000°. NP2:ϕ_s183.00000°,δ35.00000°,λ-96.00000°. Principal axes: T 2.4220,Plg10.0000°,Azm97.0000°; N 0.5100,Plg3.0000°,Azm187.0000° ; P -2.9260,Plg80.0000°,Azm296.0000° M_o2.67400×10^{16}

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.2km az=33.9.
IDC Error ellipse: s-maj=20.8km s-min=13.4km az=128.0.
IDC VIII 03 01 07 18.8–28 23.31S 172.24W 0 4.6,4.5
¶601765375

IDC Error ellipse: s-maj=518.1km s-min=151.3km az=80.0.
IDC VIII 14 19 12 48.0–20 20.60S 172.79W 0 4.2s,4.2
¶601765847

IDC Error ellipse: s-maj=495.5km s-min=40.2km az=39.0.
ISC VIII 17 20 18 53.0–.46 17.79S–.08 172.8W–.10 26 4.8b,3.3s 95 4-173
IDC VIII 17 20 18 49.5–.63 18.07S 172.68W 0 4.5,4.2b **¶606362867**
ISCJB VIII 17 20 18 51.5–.33 17.79S–.06 172.86W–.09 26 4.6b,3.3s
NEIC VIII 17 20 18 51.0–.31 17.96S 172.69W 10 4.8b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=16.6km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=28.6.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=123.0.
ISC VIII 26 00 18 31.1–.81 23.2S–.10 175.1W–.10 30 4.0b 11 6-67
IDC VIII 26 00 18 27.2–28 23.25S 175.19W 0 4.2,4.1 **¶601702419**
ISCJB VIII 26 00 18 28.9–.73 23.2S–.10 175.1W–.10 30 4.1b,4.1
NEIC VIII 26 00 18 28.5–.51 23.23S 175.17W 10 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=519.3km s-min=146.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=12.1km az=145.3.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.8km az=148.0.
IDC VIII 26 07 37 35.3–2.9 22.89S 175.84W 0 4.2,3.9b
¶601766493

IDC Error ellipse: s-maj=193.7km s-min=21.5km az=157.0.
IDC VIII 30 08 52 28.7–26 22.98S 173.15W 0 4.6,4.4
¶601755606

IDC Error ellipse: s-maj=489.3km s-min=143.1km az=78.0.
IDC VIII 31 18 30 39.1–27 21.23S 171.32W 0 4.4,4.3
¶601755779

IDC Error ellipse: s-maj=503.1km s-min=173.8km az=74.0.
ISC IX 01 21 21 53.4–1.5 22.7S–.10 174.0W–.20 22 4.3b 13 9-64
ISCJB IX 01 21 21 50.7–1.3 22.73S–.10 173.9W–.20 22 4.3b **¶601715672**
NEIC IX 01 21 21 55.1–1.8 22.71S 174.03W 35 4.5b
IDC IX 01 21 21 58.0–17 22.71S 175.12W 0 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.9km s-min=12.9km az=14.0.
NEIC Event type se. Error ellipse: s-maj=37.1km s-min=11.5km az=83.0.
IDC Error ellipse: s-maj=330.7km s-min=144.8km az=82.0.
ISC IX 04 02 11 30.3–.75 22.01S–.05 174.91W–.06 28–4 5.0b,4.9s 357 8-171
IDC IX 04 02 11 26.3–.40 21.82S 175.00W 0 5.2L,4.9 **¶604029767**
MOS IX 04 02 11 28.3–2.9 22.26S 173.92W 33 5.1b,4.9
ISCJB IX 04 02 11 30.1–.17 21.94S–.04 175.11W–.04 33 5.0b,4.8s
NEIC IX 04 02 11 31.7–.17 21.96S 175.07W 35 5.0b,4.8s
GCMT IX 04 02 11 33.7–.10 22.03S–.01 174.46W–.01 20–0 5.4W,4.8s
BJI IX 04 02 12 51.2 22.10S 179.90E 589 5.1b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=12.9km az=110.0.
MOS Error ellipse: s-maj=23.5km s-min=10.6km az=71.6.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=138.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=139.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c175; s115,c218;Duration: 1ŝ2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.03 $M_{\theta\theta}$-0.22±.02; $M_{\phi\phi}$-1.05±.02; $M_{r\theta}$0.55±.04; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$0.59±.03; Best double couple: NP1:ϕ_s37.00000°,δ60.00000°,λ98.00000°. NP2:ϕ_s201.00000°,δ30.00000°,λ76.00000°. Principal axes: T 1.5150,Plg73.0000° ,Azm327.0000°; N 0.1360,Plg7.0000°,Azm213.0000°; P -1.6440,Plg15.0000°,Azm121.0000° M_o1.58000×10^{17}
ISC IX 07 10 13 53.9–.92 22.5S–.20 175.4W–.20 33 4.1b 20 9-150
IDC IX 07 10 13 48.5–1.0 22.60S 175.37W 0 4.3,4.3L **¶601839180**
NEIC IX 07 10 13 54.2–.71 22.46S 175.43W 35 4.2b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=20.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=12.1km az=145.0.
IDC IX 10 15 14 44.6–27 21.15S 171.29W 0 4.2,4.1
¶601863307

IDC Error ellipse: s-maj=502.6km s-min=167.7km az=74.0.
IDC IX 16 19 23 13.9–17 23.82S 175.36W 0 4.3,4.2
¶601863673

IDC Error ellipse: s-maj=313.6km s-min=137.7km az=82.0.
IDC IX 19 20 22 23.2–5.2 23.70S 174.11W 0 4.1,3.9
¶601863849

IDC Error ellipse: s-maj=221.4km s-min=36.1km az=143.0.
ISC IX 24 20 06 22.6–1.5 23.0S–.10 174.3W–.20 36 4.3b 15 7-151
IDC IX 24 20 06 16.5–1.7 22.71S 174.27W 0 4.3,4.2 **¶601843581**
NEIC IX 24 20 06 21.4–1.3 22.81S 174.29W 35 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=34.7km az=108.0.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=17.0km az=94.0.
IDC IX 26 21 50 06.3–4.0 18.24S 172.77W 0 4.2,3.9
¶601864233

IDC Error ellipse: s-maj=267.3km s-min=26.9km az=153.0.
IDC IX 28 07 47 07.4–25 17.82S 172.84W 0 4.5,4.3
¶601864341

IDC Error ellipse: s-maj=471.4km s-min=163.5km az=73.0.
ISC IX 30 07 04 57.9–.40 22.03S–.08 174.66W–.07 27 4.6b,4.3s 126 8-152
IDC IX 30 07 04 54.0–.58 21.94S 174.77W 0 4.6,4.5 **¶601768548**
NEIC IX 30 07 04 55.4–.19 21.99S 174.77W 10 4.8b,4.5
ISCJB IX 30 07 04 56.7–.24 21.98S–.06 174.82W–.06 27 4.6b,4.2s
GCMT IX 30 07 04 59.4–.50 22.27S–.04 174.10W–.03 22–1 4.9W,4.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s57,c69;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.84±.19 $M_{\theta\theta}$-0.82±.12; $M_{\phi\phi}$-2.03±.12; $M_{r\theta}$1.13±.25; $M_{\theta\phi}$-1.00±.08; $M_{\phi r}$1.13±.17; Best double couple: NP1:ϕ_s37.00000°,δ60.00000°,λ97.00000°. NP2:ϕ_s203.00000°,δ31.00000°,λ78.00000°. Principal axes: T 3.2950,Plg74.0000° ,Azm324.0000°; N -0.3010,Plg6.0000°,Azm213.0000°; P -3.0010,Plg15.0000° ,Azm122.0000° M_o3.14800×10^{16}
IDC X 03 19 27 50.7–7.1 19.71S 172.78W 0 4.1,3.8
¶601996973

IDC Error ellipse: s-maj=298.7km s-min=35.6km az=144.0.
IDC X 04 18 00 21.4–30 23.62S 175.12W 0 4.0,3.8
¶601997057

IDC Error ellipse: s-maj=601.5km s-min=161.2km az=96.0.
IDC X 04 18 13 26.2–2.6 21.66S 172.09W 0 4.0,3.8
¶601997059

IDC Error ellipse: s-maj=253.5km s-min=45.3km az=165.0.
ISC X 05 11 19 25.6–.42 23.12S–.05 175.72W–.06 34 5.1b 82 6-150
BJI X 05 11 19 21.2 23.53S 175.71W 30 5.5b,5.3b **¶601790319**
ISCJB X 05 11 19 22.5–.37 23.14S–.05 175.64W–.06 34 4.9b,3.4s
IDC X 05 11 19 22.6–.71 22.92S 176.10W 0 5.4L,4.8
NEIC X 05 11 19 27.0–.60 23.06S 176.02W 35 4.5b,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=35.2.
IDC Error ellipse: s-maj=25.0km s-min=17.1km az=144.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.1km az=106.0.
IDC X 08 01 39 04.8–7.8 18.07S 172.72W 0 4.1,3.8
¶601997440

IDC Error ellipse: s-maj=336.9km s-min=39.4km az=141.0.
IDC X 12 15 23 53.5–5.5 23.82S 174.51W 0 4.2,3.9
¶601998017

IDC Error ellipse: s-maj=321.7km s-min=29.5km az=155.0.
ISC X 13 18 03 08.7–.60 19.07S–.09 172.8W–.10 21 4.7b 56 5-150
IDC X 13 18 03 05.7–.78 19.29S 172.81W 0 4.5,4.3 **¶601998143**
ISCJB X 13 18 03 09.0–.42 19.35S–.09 172.85W–.09 33 4.6b,4.3
NEIC X 13 18 03 10.7–.41 19.26S 172.79W 35 4.9b,4.3
ISC Event type se.

IDC Error ellipse: s-maj=31.1km s-min=16.4km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.2km az=139.1.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=7.6km az=135.0.
IDC X 14 09 41 48.6–27 23.67S 173.89W 0 4.4,4.2
¶601998201

IDC Error ellipse: s-maj=506.7km s-min=141.0km az=81.0.
IDC X 16 04 30 52.5–26 20.84S 170.71W 0 4.8,4.7
¶601998454

IDC Error ellipse: s-maj=488.0km s-min=169.1km az=74.0.
IDC X 18 04 30 03.4–6.6 17.11S 171.95W 0 4.1,3.8
¶601998750

IDC Error ellipse: s-maj=278.7km s-min=33.7km az=141.0.
IDC X 21 14 36 51.0–7.9 17.57S 171.94W 0 3.9,3.6
¶601999178

IDC Error ellipse: s-maj=343.5km s-min=36.3km az=140.0.
ISC X 25 14 12 56.4–.84 17.1S–.10 172.4W–.20 17 3.8b,3.1s 12 3-173
IDC X 25 14 12 54.1–.81 17.24S 172.29W 0 4.2,3.9 **¶601882325**
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=19.7km az=124.0.
IDC X 31 18 59 31.9–27 22.35S 173.22W 0 4.3,4.1b
¶602000653

IDC Error ellipse: s-maj=497.9km s-min=145.8km az=77.0.
IDC XI 01 11 38 31.1–17 22.68S 174.95W 0 4.4,4.3
¶602388677

IDC Error ellipse: s-maj=315.8km s-min=141.0km az=81.0.
IDC XI 02 16 52 09.2–29 23.78S 175.00W 0 3.9,3.8
¶602388726

IDC Error ellipse: s-maj=524.0km s-min=146.4km az=80.0.
ISC XI 05 14 26 10.4–.48 23.99S–.08 175.70W–.09 31 4.0s 64 6-169
IDC XI 05 14 26 06.2–.58 23.99S 176.02W 0 4.3,4.2 **¶601891434**
NEIC XI 05 14 26 10.7–4.3 23.96S 176.01W 29–29 4.7b,4.2
GCMT XI 05 14 26 11.7–.30 23.99S–.03 175.40W–.02 23–0 5.0W,4.2
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c40; s70,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.18 $M_{\theta\theta}$-0.23±.12; $M_{\phi\phi}$-2.84±.11; $M_{r\theta}$0.04±.23; $M_{\theta\phi}$-1.10±.07; $M_{\phi r}$1.45±.15; Best double couple: NP1:ϕ_s12.00000°,δ57.00000°,λ81.00000°. NP2:ϕ_s208.00000°,δ34.00000°,λ103.00000°. Principal axes: T 3.4190,Plg76.0000° ,Azm256.0000°; N 0.1130,Plg7.0000°,Azm17.0000°; P -3.5310,Plg12.0000°,Azm109.0000° M_o3.47500×10^{16}
IDC XI 07 00 31 22.8–17 23.02S 174.18W 0 4.1,4.0
¶602388933

IDC Error ellipse: s-maj=323.5km s-min=147.1km az=82.0.
IDC XI 08 16 51 23.3–47 17.32S 172.41W 0 4.0,3.8
¶602389041

IDC Error ellipse: s-maj=910.5km s-min=190.8km az=82.0.
IDC XI 08 22 50 54.0–54 23.12S 174.55W 0 3.9,3.7
¶602389061

IDC Error ellipse: s-maj=1014.0km s-min=182.2km az=88.0.
IDC XI 16 02 48 12.6–27 18.39S 172.23W 0 4.3,4.1
¶602389479

IDC Error ellipse: s-maj=505.9km s-min=181.9km az=71.0.
ISC XI 17 05 12 55.7–.46 18.35S–.04 172.29W–.04 6–2 5.8b,5.5s 1631 4-175
IDC XI 17 05 12 55.0–.33 18.44S 172.37W 0 6.2L,5.6 **¶601992383**
ISCJB XI 17 05 12 55.3–.08 18.41S–.02 172.32W–.02 10 5.7b,5.5s
MOS XI 17 05 12 55.8–1.1 18.30S 172.39W 10 5.8b,5.5s
BJI XI 17 05 12 55.7 18.31S 172.29W 10 6.1b,5.6b
NEIC XI 17 05 12 56.0–.00 18.31S 172.16W 11 6.1b,5.6b
NEIC XI 17 05 12 56.8–.07 18.38S 172.32W 10 6.0,5.9W
GCMT XI 17 05 13 00.8–.10 18.46S–.01 171.99W 12 5.9W,5.9W
NEIC XI 17 05 13 20.0–.00 17.73S 172.11W 10 5.9W,5.9W
ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.1km az=152.2.
MOS Error ellipse: s-maj=7.8km s-min=6.3km az=68.3.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.34 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$6.77 $M_{r\theta}$1.29 $M_{\theta\phi}$2.67 $M_{\phi r}$7.21 Best double couple: NP1:ϕ_s190.00000° ,δ69.00000°,λ-95.00000°. NP2:ϕ_s26.00000°,δ21.00000°,λ-75.00000°. Principal axes: T 10.9000,Plg24.0000°,Azm284.0000°; N -2.2000,Plg5.0000°,Azm192.0000° ; P -8.7000,Plg65.0000°,Azm90.0000° M_o9.90000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=141.0. Felt at Neiafu. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.91 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s86 Moment tensor: Scale 10^{17} Nm; M_{rr}-4.96 $M_{\theta\theta}$0.39 $M_{\phi\phi}$4.57 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.88 $M_{\phi r}$4.80 Best double couple: NP1: ϕ_s22.00000°,δ24.00000°,λ-69.00000°. NP2:ϕ_s179.00000°,δ68.00000°,λ-99.00000°. Principal axes: T 6.6200,Plg22.0000°,Azm276.0000°; N 0.4400,Plg8.0000°,Azm182.0000° ; P -7.0600,Plg66.0000°,Azm73.0000° M_o6.80000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s77.00000°,δ61.00000°,λ-17.00000°. NP2: ϕ_s175.00000°,δ75.00000°,λ-150.00000°. Principal axes: T Plg9.0000°,Azm303.0000° ; N Plg0.0000°,Azm0.0000°; P Plg32.0000°,Azm39.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c268; s141,c437; Duration: 2ŝ1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59±.00 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.70±.00; $M_{r\theta}$-0.08±.01; $M_{\theta\phi}$0.26±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s180.00000°,δ60.00000° ,λ-110.00000°. NP2:ϕ_s35.00000°,δ36.00000°,λ-60.00000°. Principal axes: T 0.8520,Plg12.0000°,Azm284.0000°; N -0.1430,Plg17.0000°,Azm190.0000° ; P -0.7080,Plg69.0000°,Azm48.0000° M_o0.78000×10^{18}
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.71 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$8.27 $M_{r\theta}$1.41 $M_{\theta\phi}$2.61 $M_{\phi r}$0.70 Best double couple: NP1:ϕ_s205.00000° ,δ49.00000°,λ-77.00000°. NP2:ϕ_s5.00000°,δ42.00000°,λ-105.00000°. Principal axes: T 9.0500,Plg4.0000°,Azm286.0000°; N -1.0700,Plg10.0000°,Azm16.0000° ; P -7.9800,Plg79.0000°,Azm176.0000° M_o8.50000×10^{17}
ISC XI 17 06 32 05.9–.74 18.24S–.07 172.0W–.10 35 4.2b 24 4-54
IDC XI 17 06 32 01.9–1.6 18.41S 172.15W 0 4.2,4.2 **¶601992394**
ISCJB XI 17 06 32 03.5–.69 18.32S–.07 171.97W–.10 33 4.2b,4.2
NEIC XI 17 06 32 03.1–.58 18.34S 172.07W 10 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=28.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.9km az=20.4.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.2km az=143.0.
IDC XI 17 07 27 02.1–25 23.77S 174.64W 0 4.5,4.3
¶602389557

IDC Error ellipse: s-maj=450.2km s-min=136.7km az=79.0.
ISC XI 17 22 59 03.7–.45 18.59S–.10 172.31W–.08 41 5.1b,3.9s 78 5-172
ISCJB XI 17 22 59 01.7–.38 18.4S–.10 172.43W–.06 41 5.0b,3.8s **¶601909931**
IDC XI 17 22 59 01.6–3.5 18.51S 172.46W 26–22 4.6,4.6
BJI XI 17 22 59 41.6 18.80S 174.80W 277 4.8b,4.5b
NEIC XI 17 22 59 43.7–.90 18.74S 174.82W 279–10 4.9b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=8.2km az=166.1.
IDC Error ellipse: s-maj=20.2km s-min=12.1km az=138.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.7km az=97.0.
ISC XI 19 07 13 10.3–1.1 22.1S–.50 173.5W–.10 35 3.8b 7 13-146
IDC XI 19 07 13 05.9–1.4 21.77S 173.66W 0 4.1,3.8 **¶602389646**
ISC Event type ke.
IDC Error ellipse: s-maj=86.7km s-min=24.5km az=160.0.
IDC XI 20 13 38 18.2–26 20.30S 172.85W 0 4.1,4.0
¶602389738

IDC Error ellipse: s-maj=494.6km s-min=165.8km az=74.0.
IDC XI 23 01 04 32.7–59 21.00S 167.93W 0 4.5,4.3
¶602389857

IDC Error ellipse: s-maj=1196.0km s-min=202.4km az=87.0.
ISC XI 23 09 39 21.9–.99 18.27S–.09 172.26W–.10 41 4.0b 8 4-149
IDC XI 23 09 39 18.1–1.5 18.32S 172.55W 0 4.1,4.1 **¶602389873**
ISCJB XI 23 09 39 20.4–.88 18.22S–.07 172.4W–.10 41 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XI 26 18 38 41.9–1.7 22.5S–.40 175.0W–.30 33 4.2b 17 40-150
IDC XI 26 18 38 36.9–3.0 22.47S 174.99W 0 4.3,4.1 **¶602311675**
NEIC XI 26 18 38 41.7–.98 22.59S 174.98W 35 4.7b,4.1

ISC Event type se.
IDC Error ellipse: s-maj=114.0km s-min=30.2km az=141.0.
NEIC Event type se. Error ellipse: s-maj=44.7km s-min=14.7km az=149.0.
IDC XI 27 02 19 02.7–26 19.12S 172.92W 0 4.4,4.2
¶602390031

IDC Error ellipse: s-maj=484.0km s-min=165.9km az=74.0.
ISC XII 04 18 36 21.4–1.2 22.0S–.30 173.1W–.30 35 3.9b 12 4-151
NEIC XII 04 18 36 18.8–.75 22.02S 173.38W 10 4.8b **¶602063212**
ISCJB XII 04 18 36 19.2–1.1 22.1S–.20 173.2W–.20 33 4.1b
IDC XII 04 18 36 19.9–6.3 21.71S 173.87W 0 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=11.7km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=38.8km s-min=14.2km az=140.5.
IDC Error ellipse: s-maj=301.4km s-min=47.0km az=148.0.
IDC XII 05 14 30 36.9–28 22.89S 175.14W 0 4.3,4.2
¶602390505

IDC Error ellipse: s-maj=503.7km s-min=140.8km az=77.0.
IDC XII 06 06 17 07.5–17 22.89S 175.01W 0 4.2,4.1b
¶602390536

IDC Error ellipse: s-maj=330.3km s-min=148.7km az=82.0.
ISC XII 18 18 09 34.9–1.0 17.3S–.20 172.7W–.20 35 4.7b 21 29-72
ISCJB XII 18 18 09 33.8–1.1 17.5S–.20 172.7W–.20 35 4.7b **¶602391580**
NEIC XII 18 18 09 36.0–.87 17.36S 172.66W 45 4.7b
IDC XII 18 18 09 42.9–27 17.92S 174.32W 0 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=21.3km az=156.5.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=16.6km az=138.0.
IDC Error ellipse: s-maj=502.4km s-min=162.7km az=74.0.
IDC XII 26 01 58 38.2–28 22.17S 173.03W 0 4.1,4.0
¶602380612

IDC Error ellipse: s-maj=528.6km s-min=162.9km az=77.0.
IDC XII 26 07 56 27.3–46 23.90S 173.35W 0 4.2,4.1
¶602380630

IDC Error ellipse: s-maj=870.0km s-min=179.0km az=88.0.
IDC XII 26 20 19 17.5–1.9 22.72S 171.97W 0 4.3,4.2
¶602380659

IDC Error ellipse: s-maj=62.5km s-min=33.0km az=172.0.

(175) South of Tonga Islands.

ISC VII 17 14 06 55.1–1.1 24.2S–.20 174.9W–.10 24 4.2b 7 11-55
IDC VII 17 14 06 52.0–2.1 24.12S 175.01W 0 4.4,4.4 **¶601664726**
ISCJB VII 17 14 06 53.0–.98 24.1S–.20 174.9W–.10 24 4.3b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 29 02 05 15.1–17 24.37S 174.63W 0 4.5,4.4
¶601755541

IDC Error ellipse: s-maj=316.9km s-min=133.6km az=83.0.
ISC XI 05 23 08 44.2–.57 24.8S–.10 175.5W–.10 19 4.3b,3.8s 33 15-168
IDC XI 05 23 08 41.5–.77 24.75S 175.65W 0 4.5,4.3b **¶601874908**
NEIC XI 05 23 08 46.9–.45 24.72S 175.71W 35 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=20.5km az=153.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=11.4km az=149.0.
ISC XI 06 13 15 10.4–.71 24.1S–.10 176.0W–.20 31 4.3b,3.8s 28 11-151
IDC XI 06 13 15 06.0–1.5 23.82S 176.00W 0 4.3,4.1 **¶601891440**
NEIC XI 06 13 15 11.2–.40 23.85S 176.07W 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=79.5km s-min=20.3km az=157.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=9.4km az=158.0.
IDC XI 09 03 49 33.0–16 26.38S 175.83W 0 3.6,3.5
¶602389071

IDC Error ellipse: s-maj=399.1km s-min=42.7km az=44.0.
ISC XI 15 04 01 45.1–.54 24.42S–.09 175.9W–.10 30 4.7b,4.0s 100 11-154
IDC XI 15 04 01 39.8–.69 24.19S 175.82W 0 4.7,4.5 **¶601991996**
ISCJB XI 15 04 01 44.1–.26 24.50S–.07 175.97W–.06 30 4.6b,3.9s
NEIC XI 15 04 01 46.3–.28 24.48S 175.88W 35 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=18.8km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.1km az=144.2.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.9km az=147.0.

(176) North of New Zealand.

IDC IX 13 18 36 59.4–2.7 34.25S 177.69E 0 4.2,4.2s
¶601863475

IDC Error ellipse: s-maj=62.4km s-min=40.4km az=63.0.

(177) Kermadec Islands region.

ISC VII 02 16 03 37.7–1.1 31.42S–.09 179.6W–.20 450 41 3-146
IDC VII 02 16 03 43.0–7.9 31.71S 179.68E 465–102 3.8,3.0 **¶601663402**
WEL VII 02 16 03 43.9–.80 32S–9.0 180W–24 366–13 3.8,3.0
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 02 16 43 33.5–1.2 30.2S–.10 179.4W–.20 300 3.5b 13 9-163
IDC VII 02 16 43 34.1–6.1 29.92S 179.23W 326–54 4.0,3.4 **¶601505914**
ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=27.7km az=21.0.
ISC VII 02 21 45 00.9–.63 31.95S–.09 178.6W–.10 45 4.6b 25 3-161
IDC VII 02 21 44 54.9–1.2 31.99S 178.57W 0 4.4,4.3 **¶601505917**
NEIC VII 02 21 44 56.4–.35 31.97S 178.56W 10 4.4b,4.3
ISCJB VII 02 21 44 58.9–.58 31.88S–.09 178.5W–.10 45 4.5b,3.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 03 08 49 48.0–.50 27.97S–.07 176.9W–.10 49 4.3b,3.6s 65 2-165
IDC VII 03 08 49 41.5–.56 27.89S 176.88W 0 4.4,4.2 **¶601243412**
NEIC VII 03 08 49 42.1–3.8 27.95S 176.86W 7–23 4.4b,4.2
ISCJB VII 03 08 49 47.1–.49 28.00S–.06 177.1W–.10 49 4.3b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 04 21 41 21.6–.75 31.13S–.07 179.6W–.10 250 3.6b 46 2-151
ISCJB VII 04 21 41 20.8–.44 31.06S–.04 179.7W–.10 250 3.5b **¶601505934**
WEL VII 04 21 41 20.3–.82 31S–8.0 179W–20 275–11 3.5b
IDC VII 04 21 41 21.3–1.4 31.31S 179.42W 278–14 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=4.2km az=20.9.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=33.7km s-min=17.6km az=122.0.
ISC VII 04 23 58 05.8–.66 29.56S–.08 179.3W–.10 300 3.9b 37 1-164
ISCJB VII 04 23 58 06.6–.57 29.61S–.05 179.4W–.10 300 3.9b **¶601505936**
IDC VII 04 23 58 06.5–.57 29.39S 179.02W 315–6 4.3,3.7
WEL VII 04 23 58 11.6–1.8 30S–26 180E–72 193–60 4.3,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 05 01 38 20.8–3.1 28.64S 178.59W 0 3.9,3.7
¶601663499

IDC Error ellipse: s-maj=96.2km s-min=16.3km az=31.0.
ISC VII 07 14 12 48.6–1.8 29.5S–.10 176.1W–.10 28 4.1b 8 2-145
IDC VII 07 14 12 43.4–2.5 29.34S 175.97W 0 4.2,4.0 **¶601663594**
ISCJB VII 07 14 12 46.0–2.0 29.64S–.10 176.0W–.20 28 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VII 08 07 42 28.2–6.6 31.62S 179.37W 0 3.7,3.4
¶601664280

IDC Error ellipse: s-maj=267.7km s-min=60.0km az=158.0.
ISC VII 08 09 40 18.5–.66 31.40S–.06 177.6W–.10 26 4.4b 46 2-162
IDC VII 08 09 40 15.1–.87 31.40S 177.65W 0 4.5,4.3 **¶601456857**
ISCJB VII 08 09 40 17.1–.73 31.44S–.08 177.7W–.10 26 4.4b,4.3
NEIC VII 08 09 40 19.7–2.4 31.36S 177.67W 29–16 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=25.3km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=10.1km az=26.9.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.5km az=112.0.
ISC VII 08 18 08 58.8–.61 27.11S–.06 178.30W–.10 350 4.1b 99 2-151
ISCJB VII 08 18 08 57.1–.55 27.05S–.03 178.4W–.10 350 4.0b **¶601505957**
IDC VII 08 18 08 57.9–.85 26.71S 178.62W 324–9 4.4,3.8
WEL VII 08 18 08 59.5–.93 28S–11 177W–27 372–5 4.4,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 10 13 14 25.8–7.4 31.05S 178.15W 200–40 4.0,3.6
¶601664385

IDC Error ellipse: s-maj=158.4km s-min=30.6km az=158.0.
ISC VII 11 09 34 58.0–1.1 30.7S–.10 180.0W–.20 400 24 2-145
ISCJB VII 11 09 34 58.7–.91 30.65S–.06 179.8E–.20 400 2.8b **¶601664422**
IDC VII 11 09 35 02.9–8.1 30.96S 179.84E 454–99 3.5,2.8
WEL VII 11 09 35 04.4–1.1 31S–21 179E–65 285–54 3.5,2.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 12 05 20 23.2–4.9 28.27S 176.54W 0 3.9,3.7
¶601664467

IDC Error ellipse: s-maj=118.8km s-min=35.8km az=126.0.
ISC VII 12 15 07 04.9–.61 29.60S–.08 176.01W–.07 28 4.9b 56 2-152
IDC VII 12 15 07 01.6–1.1 29.67S 176.06W 0 4.3,4.1 **¶601505981**
ISCJB VII 12 15 07 02.4–.45 29.69S–.05 175.96W–.06 28 4.8b,4.1
NEIC VII 12 15 07 02.8–5.3 29.58S 176.03W 15–34 4.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=19.2km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.0km az=29.1.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.5km az=149.0.
ISC VII 13 05 38 23.5–.72 31.36S–.07 179.2W–.10 350 3.2b 83 2-151
ISCJB VII 13 05 38 22.8–.45 31.26S–.06 179.2W–.20 350 3.3b **¶601505988**
IDC VII 13 05 38 24.8–5.6 31.30S 179.76W 348–58 4.1,3.4
WEL VII 13 05 38 26.5–.80 31S–6.0 179W–15 311–10 4.1,3.4
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 15 00 49 27.1–1.3 29.44S 179.00W 368–19 3.9,3.2
¶601664599

IDC Error ellipse: s-maj=55.2km s-min=36.7km az=127.0.
ISC VII 16 04 37 58.8–.99 31.3S–.10 179.0W–.20 35 4.1b 12 8-162
IDC VII 16 04 37 53.2–1.1 31.22S 178.93W 0 4.3,4.2 **¶601664657**
ISCJB VII 16 04 37 57.5–.95 31.37S–.09 179.1W–.20 33 4.1b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 21 14 50.6–.75 31.34S–.07 178.1W–.10 35 4.6b 30 2-153
ISCJB VII 16 21 14 49.2–.80 31.31S–.06 178.1W–.20 35 4.6b **¶601505998**
NEIC VII 16 21 14 51.6–1.0 31.30S 177.96W 47–8 4.4b
IDC VII 16 21 14 52.3–2.2 31.19S 178.03W 48–18 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=7.9km az=12.3.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.7km az=104.0.
IDC Error ellipse: s-maj=28.6km s-min=14.6km az=112.0.
ISC VII 17 06 41 14.4–2.2 31.3S–.20 178.6W–.30 450 98 7-146
IDC VII 17 06 40 28.1–7.8 30.35S 178.33W 0 3.6,3.4 **¶605671206**
WEL VII 17 06 41 35.6–.74 33S–8.0 179W–21 292–12 3.6,3.4
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 17 08 45 50.4–.40 31.16S–.06 179.00W–.09 35 4.9b,3.7s 102 2-162
IDC VII 17 08 45 44.5–.66 31.13S 178.99W 0 4.6,4.4 **¶601352423**
WEL VII 17 08 45 47.0 31.02S 179.11W 17 5.0L,4.4
NEIC VII 17 08 45 47.7–3.2 31.02S 179.11W 17–19 4.8b,4.4
ISCJB VII 17 08 45 48.7–.31 31.30S–.04 179.16W–.07 33 4.8b,3.7s
MOS VII 17 08 45 49.5–1.2 31.19S 179.22W 33 4.9b,3.7s
BJI VII 17 08 45 49.5 30.55S 178.74W 35 5.5b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=18.3km az=67.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.6km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=20.7.
MOS Error ellipse: s-maj=20.6km s-min=16.2km az=20.3.
ISC VII 17 09 02 47.8–.51 31.17S–.07 178.9W–.10 35 4.3b 60 2-162
IDC VII 17 09 02 42.2–.69 31.09S 178.98W 0 4.4,4.2 **¶601405063**
NEIC VII 17 09 02 44.0–.38 31.10S 179.07W 10 4.4b,4.2
WEL VII 17 09 02 43.0 31.10S 179.07W 10 4.9L,4.2
ISCJB VII 17 09 02 46.4–.34 31.23S–.04 179.15W–.09 33 4.3b,3.7s
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
IDC VII 17 09 23 54.3–2.2 31.42S 179.52W 0 4.1,4.0b
¶601664716

IDC Error ellipse: s-maj=56.0km s-min=30.9km az=52.0.
ISC VII 17 10 29 19.3–.60 31.07S–.08 179.1W–.10 35 4.4b 47 2-152
WEL VII 17 10 29 14.3–1.7 31S–30 178W–83 179–30 4.4b **¶601664719**
IDC VII 17 10 29 14.3–.81 31.13S 179.06W 0 4.5,4.3
ISCJB VII 17 10 29 16.9–.41 31.23S–.04 179.04W–.10 33 4.4b,4.3
NEIC VII 17 10 29 16.5–.41 31.09S 179.12W 10 4.4b,4.3
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.7km s-min=21.1km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.9km az=19.9.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.7km az=124.0.
ISC VII 17 11 28 40.0–.34 31.17S–.05 178.95W–.07 35 4.8b,3.9s 258 2-163
IDC VII 17 11 28 33.4–.47 31.11S 178.95W 0 4.8,4.7 **¶601506002**
NEIC VII 17 11 28 36.4–.19 31.07S 179.18W 10 4.7b,4.7
BJI VII 17 11 28 36.0 30.61S 178.64W 8 5.3b,5.2b
WEL VII 17 11 28 36.0 31.07S 179.18W 10 5.2L,5.2b
MOS VII 17 11 28 38.8–1.1 31.15S 179.19W 33 5.0b,5.2b
ISCJB VII 17 11 28 38.6–.18 31.28S–.03 179.16W–.05 33 4.7b,3.9s
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
ISC VII 17 12 20 49.9–.57 31.17S–.08 179.0W–.10 35 4.1b 31 2-162
IDC VII 17 12 20 44.5–.73 31.19S 178.94W 0 4.3,4.1 **¶601664721**
NEIC VII 17 12 20 45.9–.37 31.11S 178.91W 10 4.4b,4.1
ISCJB VII 17 12 20 48.4–.50 31.25S–.07 179.06W–.10 33 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 12 38 50.0–.39 31.14S–.05 179.01W–.08 35 4.9b,4.4s 170 2-163
BJI VII 17 12 38 32.0 31.70S 176.10W 35 5.6b,5.4b **¶601357569**
IDC VII 17 12 38 44.6–.45 31.16S 179.02W 0 4.7,4.6
NEIC VII 17 12 38 45.5–.43 31.43S 178.99W 10 5.2b,4.6
WEL VII 17 12 38 45.0 31.43S 178.99W 10 5.2L,4.6
ISCJB VII 17 12 38 49.0–.20 31.30S–.03 179.18W–.05 33 4.8b,4.2s
MOS VII 17 12 38 49.0–1.1 31.15S 179.13W 33 5.2b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=13.4km az=110.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.8km az=115.0.
WEL manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.6km az=28.1.
MOS Error ellipse: s-maj=14.9km s-min=13.5km az=90.0.
ISC VII 17 13 45 34.3–.83 31.0S–.10 179.0W–.20 35 4.0b 13 2-121
IDC VII 17 13 45 28.0–1.6 31.21S 178.92W 0 4.3,4.0 **¶601473888**
NEIC VII 17 13 45 30.4–.69 31.12S 179.08W 10 4.3b,4.0
ISCJB VII 17 13 45 32.5–.76 31.0S–.10 179.1W–.20 33 4.0b,4.0
ISC Event type se.
NEIC Event type se.

ISCJB Event type se.
IDC VII 17 15 34 48.2–2.0 31.55S 179.50W 0 4.1,3.9b ¶601664728
IDC Error ellipse: s-maj=58.0km s-min=33.4km az=61.0.
ISC VII 17 16 18 05.8–.59 31.17S–.08 179.1W–.10 35 4.4b,3.7s 23 2-162
IDC VII 17 16 18 00.3–.73 31.20S 179.08W 0 4.4,4.2 **¶601405087**
NEIC VII 17 16 18 03.0–5.8 31.11S 179.04W 19–37 4.7b,4.2
ISCJB VII 17 16 18 04.4–.50 31.20S–.06 179.2W–.10 33 4.4b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 17 04 44.6–.39 31.12S–.06 179.0W–.10 35 4.8b,3.6s 79 2-162
WEL VII 17 17 04 40.8–1.2 31S–26 178W–61 184–32 4.8b,3.6s **¶601506004**
NEIC VII 17 17 04 42.1–1.1 31.47S 179.07W 16–7 4.9b,3.6s
ISCJB VII 17 17 04 44.2–.30 31.27S–.04 179.16W–.08 33 4.7b,3.5s
IDC VII 17 17 04 47.5–1.4 31.23S 179.08W 50–14 4.4,4.4
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.0km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.5km az=23.3.
IDC Error ellipse: s-maj=21.7km s-min=10.8km az=112.0.
ISC VII 17 17 51 16.4–.57 31.13S–.07 179.2W–.10 10 4.5b,3.5s 39 2-145
ISCJB VII 17 17 51 15.0–.47 31.20S–.05 179.21W–.09 10 4.5b,3.5s **¶601625077**
NEIC VII 17 17 51 15.8–.63 31.39S 179.20W 10 4.7b,3.5s
IDC VII 17 17 51 15.3–.84 31.15S 179.24W 0 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=6.1km az=23.5.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.8km az=105.0.
IDC Error ellipse: s-maj=23.7km s-min=20.3km az=119.0.
IDC VII 17 19 06 58.0–2.1 31.16S 179.02W 0 4.2,4.0 ¶601664738
IDC Error ellipse: s-maj=63.4km s-min=28.1km az=41.0.
ISC VII 17 19 19 40.4–.59 31.13S–.08 178.9W–.10 35 4.5b 37 2-162
IDC VII 17 19 19 35.1–.71 31.09S 178.93W 0 4.4,4.2 **¶601664739**
ISCJB VII 17 19 19 38.8–.56 31.14S–.06 179.0W–.10 33 4.5b,4.2
NEIC VII 17 19 19 38.9–.94 31.29S 178.86W 29–6 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=19.0km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=21.3.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.9km az=113.0.
ISC VII 17 19 26 30.9–.41 31.11S–.06 179.12W–.07 10 4.7b 77 2-162
ISCJB VII 17 19 26 29.8–.33 31.21S–.04 179.19W–.07 10 4.6b,3.4s **¶601664740**
IDC VII 17 19 26 29.5–.62 31.17S 179.06W 0 4.5,4.3
WEL VII 17 19 26 30.0 31.28S 179.09W 13 5.0L,4.3
NEIC VII 17 19 26 31.0–1.0 31.28S 179.09W 12–6 5.0b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.5km az=18.7.
IDC Error ellipse: s-maj=18.9km s-min=16.9km az=101.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=121.0.
ISC VII 17 20 21 08.8–1.5 31.1S–.20 179.1W–.20 35 4.1b 6 8-145
IDC VII 17 20 21 03.3–1.6 30.99S 178.97W 0 4.2,4.1 **¶601664744**
ISCJB VII 17 20 21 08.1–1.5 31.3S–.20 179.2W–.20 33 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VII 17 20 37 37.3–1.7 31.2S–.20 179.2W–.20 35 4.0b 6 8-139
IDC VII 17 20 37 31.4–2.0 31.00S 179.03W 0 4.1,4.0 **¶601664745**
ISCJB VII 17 20 37 35.9–1.5 31.3S–.20 179.3W–.20 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VII 17 21 11 13.8–.68 28.70S–.10 177.4W–.10 57 4.3b,3.4s 26 1-164
ISCJB VII 17 21 11 11.9–.69 28.54S–.09 177.4W–.10 57 4.3b,3.4s **¶601506005**
IDC VII 17 21 11 12.7–2.2 28.53S 177.36W 49–17 4.3,4.2
NEIC VII 17 21 11 13.0–2.0 28.56S 177.43W 52–15 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=11.9km az=20.7.
IDC Error ellipse: s-maj=25.1km s-min=20.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=14.3km az=48.0.
IDC VII 17 22 09 12.6–1.8 28.49S 177.97W 0 3.8,3.6 ¶601664748
IDC Error ellipse: s-maj=49.2km s-min=17.5km az=71.0.
ISC VII 22 14 10 12.4–.61 29.38S–.09 176.14W–.08 28 4.0b,3.4s 24 2-164
IDC VII 22 14 10 08.1–.60 29.25S 176.06W 0 4.3,4.1 **¶601506034**
ISCJB VII 22 14 10 11.1–.55 29.48S–.09 176.02W–.07 28 4.0b,3.5s
NEIC VII 22 14 10 13.5–2.1 29.34S 176.14W 37–18 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=16.2km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=173.5.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.8km az=65.0.
ISC VII 23 21 49 39.9–.47 28.77S–.09 175.87W–.09 36 4.5b,3.7s 73 2-167
IDC VII 23 21 49 34.9–.52 28.59S 176.02W 0 4.6,4.5 **¶601506043**
ISCJB VII 23 21 49 38.8–.42 28.69S–.08 176.1W–.10 36 4.5b,3.6s
NEIC VII 23 21 49 39.9–.38 28.68S 175.90W 35 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=16.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=10.9km az=23.3.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.2km az=147.0.
ISC VII 26 02 39 04.2–.25 31.77S–.03 179.05W–.06 96 4.8b 370 3-171
BJI VII 26 02 38 56.7 31.34S 178.78W 37 5.4b,5.3b **¶601506055**
WEL VII 26 02 38 59.5–.80 32S–5.0 178W–14 33 5.8L,5.3b
GCMT VII 26 02 39 02.4–.30 31.36S 178.92W 94–2 5.1W,5.3b
ISCJB VII 26 02 39 02.9–.14 31.78S–.02 179.05W–.05 96 4.8b,5.3b
NEIC VII 26 02 39 02.4–.82 31.50S 179.14W 82–7 4.9b,5.3b
MOS VII 26 02 39 02.8–1.1 31.30S 179.09W 89 5.0b,5.3b
IDC VII 26 02 39 07.4–1.4 31.30S 179.00W 126–10 4.8,4.6
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s45,c58; s82,c121; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.14 $M_{\theta\theta}$-3.63±.16; $M_{\phi\phi}$1.37±.16; $M_{r\theta}$-0.56±.12; $M_{\theta\phi}$4.22±.14; $M_{\phi r}$-1.93±.10; Best double couple: NP1:ϕ_s159.00000°,δ69.00000°,λ152.00000°. NP2:ϕ_s260.00000°,δ64.00000°,λ24.00000°. Principal axes: T 5.1200,Plg35.0000°,Azm118.0000°; N 0.9420,Plg55.0000°,Azm305.0000°; P -6.0620,Plg3.0000°,Azm210.0000° M_o5.59100×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.3km az=27.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=145.0.
MOS Error ellipse: s-maj=13.6km s-min=10.2km az=72.4.
IDC Error ellipse: s-maj=13.3km s-min=11.3km az=25.0.
ISC VII 26 23 26 08.2–1.7 27.1S–.10 177.0W–.30 90 3.9b 8 2-152
ISCJB VII 26 23 26 06.6–2.6 27.1S–.10 177.1W–.40 90 3.8b **¶601666501**
IDC VII 26 23 26 06.5–5.4 27.07S 176.99W 75–45 4.8L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=52.7km s-min=15.0km az=1.3.
IDC Error ellipse: s-maj=45.3km s-min=40.8km az=81.0.
ISC VII 27 03 02 39.0–.53 28.91S–.07 178.6W–.10 300 4.1b 63 1-161
NEIC VII 27 03 02 37.9–.65 28.64S 178.71W 285–7 4.1b **¶601506067**
IDC VII 27 03 02 38.1–.50 28.70S 178.68W 283–8 4.5,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.0km az=133.0.
IDC Error ellipse: s-maj=30.4km s-min=17.6km az=147.0.
ISC VII 28 16 37 54.4–.62 28.69S–.09 178.4W–.10 100 3.9b 24 1-165
ISCJB VII 28 16 37 54.2–.69 28.76S–.08 178.6W–.10 100 3.8b **¶601506073**
IDC VII 28 16 37 54.7–.77 28.66S 177.96W 111–7 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=11.1km az=160.0.
IDC Error ellipse: s-maj=24.8km s-min=23.2km az=156.0.
ISC VII 29 09 52 59.7–.69 31.74S–.07 179.8W–.10 200 4.2b 59 3-152
NEIC VII 29 09 52 53.8–3.0 31.42S 179.36W 159–25 4.3b **¶601488091**
ISCJB VII 29 09 52 59.3–.56 31.77S–.04 179.8W–.10 200 4.0b
IDC VII 29 09 53 00.4–8.0 31.98S 179.41W 222–75 4.3,4.0
WEL VII 29 09 53 02.8–.74 32S–9.0 180W–19 33 5.1L,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 29 15 54 01.6–3.1 30.95S–.20 176.8W–.50 35 3.9b 7 9-146
ISCJB VII 29 15 53 58.5–4.0 31.0S–.20 176.6W–.60 33 3.7b **¶601666631**
IDC VII 29 15 53 59.0–3.0 30.75S 177.19W 0 4.0,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=77.1km s-min=15.8km az=12.1.
IDC Error ellipse: s-maj=67.6km s-min=33.3km az=111.0.
ISC VII 31 05 32 15.2–.51 31.60S–.07 179.73E–.09 451 3.9b 90 3-162
IDC VII 31 05 32 15.4–.71 31.62S 179.59E 456–7 4.4,3.7 **¶601506091**
ISCJB VII 31 05 32 16.1–.35 31.57S–.04 179.72E–.09 451 3.8b,3.7
WEL VII 31 05 32 19.6–.91 32S–5.0 180W–12 420–14 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 01 05 46 00.4–1.1 31.80S–.08 179.9E–.10 350 3.4b 52 3-150
IDC VIII 01 05 45 52.0–12 30.90S 179.99W 275–138 4.0,3.5 **¶601765303**
WEL VIII 01 05 46 04.1–1.2 32S–8.0 180W–17 305–24 4.0,3.5
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VIII 02 19 13 50.0–7.8 31.50S 179.80E 437–95 3.9,3.3 ¶601765366
IDC Error ellipse: s-maj=98.8km s-min=35.7km az=7.0.
IDC VIII 02 23 01 08.1–11 31.39S 179.30W 191–113 4.1,3.8 ¶601765372
IDC Error ellipse: s-maj=103.5km s-min=44.6km az=1.0.
IDC VIII 03 07 13 08.6–23 29.05S 179.13W 192–210 4.0L,3.8 ¶601765388
IDC Error ellipse: s-maj=217.1km s-min=73.6km az=14.0.
ISC VIII 03 14 51 46.2–2.4 29.6S–.10 176.1W–.20 35 4.0b 8 2-46
IDC VIII 03 14 51 36.7–6.0 29.39S 175.49W 0 4.1,4.0 **¶601765404**
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=55.8km az=76.0.
ISC VIII 05 05 20 45.1–.89 28.02S–.07 179.0W–.10 351 3.5b 60 2-151
IDC VIII 05 05 20 48.2–1.3 28.16S 178.96W 392–15 4.2,3.4 **¶601765485**
WEL VIII 05 05 20 52.0–.74 29S–9.0 179W–29 372–8 4.2,3.4
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VIII 05 18 39 48.6–6.0 31.56S 179.83E 477–67 3.8,3.0 ¶601765510
IDC Error ellipse: s-maj=77.9km s-min=31.0km az=22.0.
IDC VIII 09 16 26 37.0–6.4 28.35S 177.86W 0 3.6,3.3 ¶601765708
IDC Error ellipse: s-maj=318.8km s-min=95.2km az=163.0.
IDC VIII 11 08 00 00.3–2.4 30.00S 175.55W 0 4.5L,4.0 ¶601765746
IDC Error ellipse: s-maj=101.8km s-min=31.6km az=172.0.
ISC VIII 11 10 41 57.8–.63 31.39S–.07 179.7W–.10 350 3.4b 60 3-162
ISCJB VIII 11 10 41 56.7–.45 31.37S–.05 179.6W–.10 350 3.5b **¶601765747**
IDC VIII 11 10 41 57.1–1.2 31.21S 179.96W 329–11 4.3,3.5
WEL VIII 11 10 42 02.6–.94 32S–9.0 180W–23 264–16 4.3,3.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VIII 20 17 41 02.4–9.0 31.63S 179.89W 328–100 3.3,2.8 ¶601766208
IDC Error ellipse: s-maj=106.0km s-min=44.0km az=2.0.
IDC VIII 20 21 29 41.6–3.0 31.62S 178.87W 0 3.6,3.5 ¶601766220
IDC Error ellipse: s-maj=68.3km s-min=46.2km az=112.0.
ISC VIII 22 07 12 28.8–.59 29.13S–.10 176.80W–.08 36 4.0b,3.6s 45 1-153
IDC VIII 22 07 12 25.3–.83 28.67S 177.09W 0 4.1,4.0b **¶601645479**
ISCJB VIII 22 07 12 26.6–.61 29.28S–.06 176.72W–.07 36 3.9b,3.6s
NEIC VIII 22 07 12 30.6–1.8 29.21S 176.93W 50–14 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=14.8km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.2km az=44.4.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.5km az=95.0.
ISC VIII 24 04 43 50.7–.47 27.30S–.04 176.69W–.04 30–3 5.5b,5.2s 1128 2-175
ISCJB VIII 24 04 43 46.2–1.6 27.18S–.03 176.82W–.03 7–9 5.5b,5.2s **¶601615617**
BJI VIII 24 04 43 46.9 26.62S 176.17W 15 5.9b,5.7b
NEIC VIII 24 04 43 48.4–.09 27.31S 176.81W 16 5.7W,5.7W
NEIC VIII 24 04 43 49.0–.00 26.68S 176.39W 15 5.7W,5.7W
MOS VIII 24 04 43 51.1–.91 27.03S 176.82W 38 5.5b,5.2s
IDC VIII 24 04 43 54.2–1.5 27.11S 176.74W 58–12 5.2,5.1
GCMT VIII 24 04 43 54.3–.10 27.10S–.01 176.34W–.01 32–0 5.7W,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$1.44 $M_{r\theta}$0.50 $M_{\theta\phi}$-2.22 $M_{\phi r}$1.22 Best double couple: NP1:ϕ_s287.00000°,δ55.00000°,λ153.00000°. NP2:ϕ_s34.00000°,δ68.00000°,λ38.00000°. Principal axes: T 3.1800,Plg42.0000°,Azm255.0000°; N 1.2600,Plg47.0000°,Azm59.0000°; P -4.4400,Plg8.0000°,Azm158.0000° M_o4.00000×10^{17}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}3.27 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-3.41 $M_{r\theta}$1.02 $M_{\theta\phi}$-0.87 $M_{\phi r}$2.39 Best double couple: NP1:ϕ_s20.00000°,δ64.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ27.00000°,λ78.00000°. Principal axes: T 4.1700,Plg70.0000°,Azm303.0000°; N 0.2900,Plg5.0000°,Azm196.0000°; P -4.4600,Plg18.0000°,Azm104.0000° M_o4.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c238; s131,c306; Duration: 1Φ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.97±.04 $M_{\theta\theta}$-0.00±.03; $M_{\phi\phi}$-2.96±.03; $M_{r\theta}$0.59±.05; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$2.18±.05; Best double couple: NP1:ϕ_s14.00000°,δ63.00000°,λ92.00000°. NP2:ϕ_s189.00000°,δ27.00000°,λ86.00000°. Principal axes: T 3.7220,Plg72.0000°,Azm288.0000°; N 0.1140,Plg2.0000°,Azm193.0000°; P -3.8300,Plg18.0000°,Azm102.0000° M_o3.77600×10^{17}
ISC VIII 24 05 54 37.8–.45 27.17S–.07 176.48W–.10 35 4.3b,4.1s 74 2-166
IDC VIII 24 05 54 32.7–.52 27.07S 176.55W 0 4.3,4.3L **¶601645485**
NEIC VIII 24 05 54 33.7–4.0 27.02S 176.57W 7–24 4.3b,4.3L
ISCJB VIII 24 05 54 36.1–.41 27.17S–.06 176.62W–.09 35 4.2b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 24 14 52 21.4–2.1 27.81S 176.82W 0 3.7,3.5 ¶601766402
IDC Error ellipse: s-maj=63.1km s-min=25.9km az=121.0.
ISC VIII 25 17 43 24.9–2.1 31.15S–.07 176.9W–.30 35 3.9b 25 2-146
IDC VIII 25 17 43 21.7–3.1 31.10S 176.90W 0 4.0,3.8 **¶601766458**
NEIC VIII 25 17 43 24.0–1.1 31.18S 177.36W 10 4.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=66.6km s-min=32.9km az=103.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=10.8km az=104.0.
IDC VIII 25 19 32 52.7–5.5 31.55S 179.96E 0 3.5,3.3 ¶601766460
IDC Error ellipse: s-maj=216.6km s-min=56.9km az=158.0.
IDC VIII 25 19 45 07.0–8.0 29.86S 176.75W 0 3.5,3.3 ¶601766461
IDC Error ellipse: s-maj=337.2km s-min=58.2km az=154.0.
ISC VIII 26 23 12 49.7–.86 28.2S–.10 176.5W–.10 37 4.1b 19 2-150
IDC VIII 26 23 12 45.4–2.0 28.09S 176.68W 0 4.3,4.0 **¶601699512**
NEIC VIII 26 23 12 46.0–.61 28.20S 176.54W 10 4.3b,4.0
ISCJB VIII 26 23 12 47.8–.87 28.14S–.09 176.5W–.10 37 4.2b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 27 00 58 42.0–.59 27.75S–.08 176.5W–.10 34 4.2b,4.0s 33 2-165
IDC VIII 27 00 58 37.0–.66 27.69S 176.51W 0 4.3,4.1 **¶601628487**
ISCJB VIII 27 00 58 40.8–.49 27.59S–.08 176.6W–.10 34 4.1b,3.9s
NEIC VIII 27 00 58 41.4–2.5 27.62S 176.55W 27–17 4.3b,3.9s
ISC Event type se.

IDC Error ellipse: s-maj=25.2km s-min=20.9km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=10.2km az=23.2.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=118.0.
ISC VIII 27 15 33 12.7–.85 27.5S–.10 179.3W–.10 400 3.5b 13 2-148
ISCJB VIII 27 15 33 11.8–.80 27.39S–.08 179.4W–.10 400 3.5b **¶601766573**
IDC VIII 27 15 33 12.6–.80 27.57S 179.11W 419–14 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=11.1km az=166.4.
IDC Error ellipse: s-maj=32.1km s-min=17.6km az=159.0.
ISC VIII 27 16 00 49.0–.34 27.22S–.06 176.53W–.07 35 5.0b,4.0s 329 2-166
IDC VIII 27 16 00 44.4–.39 27.09S 176.63W 0 4.7,4.6 **¶601627755**
BJI VIII 27 16 00 47.5 27.57S 176.70W 33 5.8b,5.3s
ISCJB VIII 27 16 00 48.3–.19 27.20S–.06 176.75W–.04 35 4.9b,4.1s
NEIC VIII 27 16 00 53.1–1.0 27.20S 176.71W 67–9 4.9b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=15.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=155.2.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=157.0.
IDC VIII 30 02 31 06.9–23 30.44S 176.28W 0 4.2,4.0
¶601755593
IDC Error ellipse: s-maj=458.8km s-min=163.8km az=104.0.
ISC IX 02 23 00 44.0–.57 29.61S–.09 175.96W–.08 28 4.3b,3.8s 30 2-152
ISCJB IX 02 23 00 42.5–.45 29.70S–.07 176.00W–.07 28 4.3b,3.8s **¶601676535**
NEIC IX 02 23 00 46.7–1.2 29.65S 176.06W 50–11 4.4b,3.8s
IDC IX 02 23 00 47.3–3.3 29.67S 176.12W 54–26 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=169.3.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.3km az=117.0.
IDC Error ellipse: s-maj=26.5km s-min=22.2km az=19.0.
IDC IX 03 06 44 21.7–3.3 31.98S 178.57W 0 5.0,5.0s
¶601862844
IDC Error ellipse: s-maj=71.4km s-min=47.3km az=111.0.
ISC IX 03 10 36 23.0–.65 27.1S–.10 177.8W–.20 202 3.8b 25 2-166
ISCJB IX 03 10 36 21.9–.65 27.06S–.08 178.0W–.20 202 3.6b **¶601862859**
IDC IX 03 10 36 22.5–1.8 27.05S 177.88W 194–19 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=10.8km az=176.3.
IDC Error ellipse: s-maj=30.2km s-min=19.0km az=170.0.
ISC IX 03 11 56 56.8–1.4 29.9S–.10 176.2W–.10 35 3.9b 9 2-87
IDC IX 03 11 56 51.2–1.8 29.84S 176.07W 0 4.1,3.9 **¶601862864**
ISCJB IX 03 11 56 54.9–1.2 29.95S–.08 176.2W–.10 33 3.9b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 05 19 46 22.1–.53 28.01S–.09 176.9W–.10 49 4.2b 28 2-165
IDC IX 05 19 46 15.5–.59 28.05S 176.95W 0 4.4,4.3 **¶601777916**
NEIC IX 05 19 46 18.2–4.6 28.00S 176.87W 18–28 4.8b,4.3
ISCJB IX 05 19 46 20.4–.57 28.10S–.08 176.9W–.10 49 4.3b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 06 03 57 05.6–1.0 27.02S–.09 178.6E–.10 600 4.2b 31 4-51
ISCJB IX 06 03 57 03.2–.79 26.83S–.06 178.7E–.10 600 4.2b **¶601863024**
IDC IX 06 03 57 03.5–2.7 26.77S 178.69E 586–41 4.7,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=7.3km az=168.7.
IDC Error ellipse: s-maj=31.2km s-min=17.3km az=49.0.
ISC IX 08 15 20 31.9–.52 29.59S–.09 176.27W–.07 21 4.4b,3.4s 40 1-168
IDC IX 08 15 20 28.8–.55 29.41S 176.28W 0 4.5,4.4 **¶601712327**
ISCJB IX 08 15 20 30.0–.52 29.77S–.06 176.24W–.07 21 4.4b,3.4s
NEIC IX 08 15 20 33.9–.42 29.58S 176.25W 35 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=18.0km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.8km az=33.2.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.6km az=165.0.
ISC IX 09 00 13 54.2–.33 28.13S–.05 176.44W–.07 37 4.8b,4.6s 291 2-167
IDC IX 09 00 13 48.5–.52 27.73S 176.41W 0 5.0L,4.7 **¶601696954**
BJI IX 09 00 13 49.7 27.72S 176.22W 15 5.3b,5.2b
WEL IX 09 00 13 49.9–1.1 29S–7.0 176W–8.0 12 5.8L,5.2b
NEIC IX 09 00 13 50.1–3.2 28.09S 176.54W 11–20 5.0b,5.2b
ISCJB IX 09 00 13 52.7–.16 28.20S–.03 176.64W–.05 37 4.8b,4.5s
MOS IX 09 00 13 52.7–1.1 27.85S 176.53W 33 4.9b,4.5s
GCMT IX 09 00 13 54.1–.30 27.86S–.02 176.01W–.02 29–1 5.0W,4.5s
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c49; s80,c119;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.20 $M_{\theta\theta}$-3.39±.14; $M_{\phi\phi}$0.64±.12; $M_{r\theta}$2.27±.22; $M_{\theta\phi}$-1.61±.09; $M_{\phi r}$2.43±.23; Best double couple: NP1:ϕ_s49.00000°,δ69.00000°,λ68.00000°. NP2:ϕ_s278.00000°,δ30.00000°,λ135.00000°. Principal axes: T 4.4930,Plg60.0000° ,Azm287.0000°; N 0.6190,Plg20.0000°,Azm57.0000°; P -5.1130,Plg21.0000°,Azm155.0000° $M_0$4.80300×10^{16}
ISC IX 12 18 51 30.4–.85 30.95S–.08 179.8W–.10 400 3.6b 52 2-149
IDC IX 12 18 51 29.2–2.2 30.97S 179.80W 394–30 4.4,3.7 **¶601863428**
ISCJB IX 12 18 51 31.0–.57 30.88S–.05 179.9W–.10 400 3.7b,3.7
WEL IX 12 18 51 34.6–.78 31S–7.0 179W–17 369–14 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 13 19 25 13.5–.55 27.7S–.10 176.4W–.10 37 4.1b 37 2-165
ISCJB IX 13 19 25 12.2–.50 27.8S–.10 176.6W–.10 37 4.2b,3.3s **¶601715310**
NEIC IX 13 19 25 15.9–1.7 27.75S 176.52W 57–14 4.6b,3.3s
IDC IX 13 19 25 16.1–3.4 27.77S 176.52W 58–29 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=14.4km az=170.1.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=12.7km az=94.0.
IDC Error ellipse: s-maj=23.7km s-min=21.9km az=179.0.
ISC IX 18 03 51 32.5–.38 29.15S–.06 176.61W–.06 36 4.8b,4.2s 157 1-164
IDC IX 18 03 51 26.5–.59 28.84S 176.60W 0 4.7,4.6 **¶601721805**
ISCJB IX 18 03 51 31.2–.20 29.17S–.04 176.90W–.05 33 4.8b,4.3s
GCMT IX 18 03 51 31.7–.40 28.87S–.04 176.17W–.03 21–1 5.0W,4.3s
NEIC IX 18 03 51 32.7–.19 29.15S 176.86W 35 4.8b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=18.4km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=32.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s65,c85;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.20 $M_{\theta\theta}$-0.95±.15; $M_{\phi\phi}$-2.09±.12; $M_{r\theta}$1.56±.28; $M_{\theta\phi}$-0.98±.07; $M_{\phi r}$1.08±.19; Best double couple: NP1:ϕ_s43.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s201.00000°,δ30.00000°,λ71.00000°. Principal axes: T 3.6680,Plg71.0000° ,Azm336.0000°; N -0.5260,Plg9.0000°,Azm217.0000°; P -3.1460,Plg16.0000° ,Azm125.0000° $M_0$3.40700×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.7km az=133.0.
IDC IX 19 01 03 11.4–2.8 28.28S 177.03W 0 3.8,3.6
¶601863796
IDC Error ellipse: s-maj=49.1km s-min=32.0km az=95.0.
ISC IX 19 05 31 39.5–1.0 29.4S–.10 176.43W–.08 21 4.3b,3.5s 23 1-151
IDC IX 19 05 31 35.4–1.5 29.25S 176.37W 0 4.3,4.2 **¶601863809**
ISCJB IX 19 05 31 37.1–1.1 29.37S–.10 176.4W–.10 21 4.3b,3.4s
NEIC IX 19 05 31 42.4–2.3 29.34S 176.59W 45–17 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=25.8km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=11.6km az=137.1.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=15.6km az=63.0.
ISC IX 19 06 44 19.8–.37 29.27S–.06 176.80W–.05 31 4.7b,4.6s 219 1-164
IDC IX 19 06 44 15.1–.55 28.81S 176.79W 0 4.6,4.5b **¶601725141**
ISCJB IX 19 06 44 18.6–.19 29.18S–.04 177.09W–.05 31 4.7b,4.6s
NEIC IX 19 06 44 22.4–.98 29.22S 177.04W 54–9 4.7b,4.6s
MOS IX 19 06 44 23.1–1.2 29.01S 177.16W 64 4.9b,4.6s
ISC Event type se.

IDC Error ellipse: s-maj=19.6km s-min=15.9km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.5km az=42.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=154.0.
MOS Error ellipse: s-maj=13.3km s-min=12.6km az=150.7.
ISC IX 20 11 31 57.8–.56 29.2S–.10 176.72W–.09 36 4.3b,3.7s 51 1-164
ISCJB IX 20 11 31 56.0–.49 29.13S–.07 176.82W–.09 36 4.2b,3.6s **¶601775966**
NEIC IX 20 11 31 57.1–.47 29.12S 176.71W 35 4.4b,3.6s
IDC IX 20 11 31 59.9–2.6 29.16S 176.84W 54–20 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=9.8km az=32.1.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=127.0.
IDC Error ellipse: s-maj=25.5km s-min=20.7km az=68.0.
ISC IX 23 06 18 59.8–.51 28.58S–.10 175.6W–.10 35 4.7b 90 2-167
IDC IX 23 06 18 54.1–.64 28.43S 175.75W 0 4.4,4.2L **¶601864028**
ISCJB IX 23 06 18 58.6–.25 28.46S–.09 176.0W–.10 33 4.6b,4.2L
NEIC IX 23 06 19 00.2–.22 28.41S 175.88W 35 4.6b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=19.7km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=5.8km az=39.4.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=5.7km az=133.0.
ISC IX 23 22 46 35.1–1.1 29.5S–.10 176.5W–.10 21 4.0b 14 1-164
ISCJB IX 23 22 46 31.9–1.7 29.64S–.09 176.4W–.10 21 3.9b **¶601864056**
IDC IX 23 22 46 32.2–1.2 29.57S 176.60W 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=10.9km az=159.5.
IDC Error ellipse: s-maj=31.0km s-min=22.8km az=23.0.
ISC IX 25 00 26 24.4–1.3 31.97S–.09 177.9W–.20 24 4.2b 10 3-147
IDC IX 25 00 26 21.5–2.7 31.86S 177.92W 0 4.3,4.2 **¶601864125**
ISCJB IX 25 00 26 22.9–1.1 31.95S–.07 177.9W–.20 24 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC IX 25 02 18 40.6–3.6 31.08S 178.14W 0 4.3,4.1
¶601864131
IDC Error ellipse: s-maj=152.3km s-min=38.2km az=158.0.
ISC IX 25 04 45 06.3–.56 28.97S–.09 176.74W–.08 35 4.5b,3.7s 45 1-153
IDC IX 25 04 45 00.7–1.0 28.69S 176.80W 0 4.3,4.2L **¶601740378**
ISCJB IX 25 04 45 04.2–.43 29.00S–.06 176.84W–.07 35 4.5b,3.6s
NEIC IX 25 04 45 08.9–1.4 28.76S 176.87W 63–12 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=25.3km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.3km az=137.4.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.0km az=168.0.
ISC IX 26 23 14 35.1–.60 27.17S–.06 178.4W–.10 350 3.9b 101 2-166
IDC IX 26 23 14 32.6–1.7 26.62S 178.63W 320–16 4.5,4.0 **¶601864238**
ISCJB IX 26 23 14 33.4–.50 27.10S–.04 178.5W–.10 350 3.9b,4.0
WEL IX 26 23 14 37.6–.94 28S–14 177W–37 363–9 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 28 17 19 55.4–2.0 29.8S–.10 179.4W–.30 350 30 1-144
IDC IX 28 17 19 55.0–9.7 29.91S 179.07W 366–98 3.7,3.1 **¶601864362**
WEL IX 28 17 19 56.7–.94 30S–14 179W–36 314–19 3.7,3.1
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC IX 30 13 57 22.5–6.2 31.10S 178.51W 0 3.7,3.5
¶601857536
IDC Error ellipse: s-maj=243.7km s-min=61.8km az=156.0.
IDC IX 30 15 32 38.5–9.8 31.39S 177.72W 56–84 3.8,3.8
¶601857539
IDC Error ellipse: s-maj=67.7km s-min=61.2km az=160.0.
ISC X 04 17 28 00.0–2.6 31.3S–.10 177.8W–.40 26 3.7b 9 2-173
ISCJB X 04 17 27 57.1–3.6 31.4S–.10 177.7W–.60 26 3.7b **¶601997054**
IDC X 04 17 27 57.1–3.1 31.37S 177.65W 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=76.1km s-min=7.9km az=13.0.
IDC Error ellipse: s-maj=73.3km s-min=31.0km az=114.0.
IDC X 06 00 04 55.1–2.6 29.94S 176.09W 0 4.0,3.8
¶601997215
IDC Error ellipse: s-maj=48.4km s-min=43.3km az=111.0.
IDC X 06 11 26 55.2–11 31.49S 179.40W 170–116 3.7,3.4
¶601997265
IDC Error ellipse: s-maj=104.1km s-min=50.1km az=180.0.
IDC X 08 18 16 36.3–2.1 28.58S 177.41W 0 3.9,3.8
¶601997562
IDC Error ellipse: s-maj=56.8km s-min=26.7km az=115.0.
IDC X 10 23 38 26.8–5.8 27.62S 176.39W 0 4.9L,3.9
¶601997813
IDC Error ellipse: s-maj=117.2km s-min=50.3km az=104.0.
ISC X 12 20 15 15.1–.74 31.90S–.08 179.7W–.20 100 44 3-146
IDC X 12 20 15 11.0–8.4 31.56S 179.24W 71–65 4.0L,3.9 **¶601998046**
NEIC X 12 20 15 12.5–.94 31.95S 179.49W 79–9 4.7b,3.9
ISCJB X 12 20 15 14.5–.46 31.94S–.05 179.6W–.10 100 4.6b,3.9
WEL X 12 20 15 17.2–.63 32S–6.0 179W–16 33 4.8L,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 13 23 43 04.8–.61 30.27S–.07 179.3W–.10 300 3.8b 59 2-163
ISCJB X 13 23 43 05.7–.43 30.22S–.04 179.47W–.09 300 3.7b **¶601874155**
IDC X 13 23 43 06.1–1.1 30.18S 179.22W 320–10 4.3,3.7
WEL X 13 23 43 11.1–.75 31S–10 179W–24 263–10 4.3,3.7
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 14 20 19 33.3–.68 31.73S–.07 179.9E–.10 400 3.4b 110 3-161
IDC X 14 20 19 34.2–2.2 31.75S 179.75E 419–20 3.9,3.3 **¶601874158**
WEL X 14 20 19 39.6–1.1 32S–7.0 180W–14 354–17 3.9,3.3
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 15 06 45 30.6–3.2 31.30S 178.24W 0 4.5,4.4b
¶601998299
IDC Error ellipse: s-maj=71.5km s-min=47.6km az=118.0.
IDC X 15 10 05 49.8–4.7 31.93S 179.76E 387–43 4.0,3.4
¶601998315
IDC Error ellipse: s-maj=52.1km s-min=28.1km az=34.0.
IDC X 15 21 45 50.5–1.5 28.74S 178.21W 0 4.0,3.8
¶601998376
IDC Error ellipse: s-maj=26.9km s-min=14.1km az=37.0.
ISC X 16 00 13 12.8–1.0 31.80S–.09 179.9E–.10 450 36 3-146
ISCJB X 16 00 13 13.3–.65 31.80S–.07 180.0E–.20 450 3.1b **¶601998390**
IDC X 16 00 13 16.0–7.6 32.15S 179.53E 472–98 3.9,3.2
WEL X 16 00 13 18.0–.91 32S–7.0 180W–15 392–14 3.9,3.2
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 16 06 27 06.9–3.1 31.57S 178.62W 0 4.2,4.0
¶601998467
IDC Error ellipse: s-maj=68.3km s-min=45.7km az=113.0.
ISC X 16 17 52 23.8–.56 29.83S–.07 176.33W–.09 10 4.7b,3.4s 62 2-163
ISCJB X 16 17 52 20.8–.53 30.03S–.05 176.17W–.08 10 4.6b,3.5s **¶601998565**
IDC X 16 17 52 21.9–.69 29.57S 176.19W 0 4.5,4.4L
NEIC X 16 17 52 22.4–.41 29.95S 176.18W 10 4.9b,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.6km az=9.5.
IDC Error ellipse: s-maj=22.7km s-min=16.9km az=12.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.9km az=114.0.
ISC X 17 00 24 38.7–.59 31.83S–.06 179.62E–.09 450 4.0b 96 3-151
ISCJB X 17 00 24 38.8–.42 31.75S–.04 179.79E–.09 450 4.0b **¶601998589**
IDC X 17 00 24 43.2–2.1 31.59S 179.44E 495–22 4.5,3.8
WEL X 17 00 24 44.0–.87 32S–5.0 180W–11 381–18 4.5,3.8
ISC Event type ke.

ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 17 02 14 59.2–.40 27.35S–.06 176.91W–.08 55 4.4b,4.3s 92 2-166
IDC X 17 02 14 52.3–.58 27.25S 176.88W 0 5.0L,4.5 **¶601874167**
GCMT X 17 02 14 56.8–.30 27.43S–.03 176.20W–.02 27–0 5.0W,4.5
NEIC X 17 02 14 57.8–2.0 27.53S 176.81W 46–17 4.5b,4.5
ISCJB X 17 02 14 58.6–.34 27.38S–.06 176.98W–.08 55 4.4b,4.3s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c57; s67,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.70±.22 $M_{\theta\theta}$0.71±.17; $M_{\phi\phi}$-4.42±.14; $M_{r\theta}$-0.29±.34; $M_{\theta\phi}$-0.06±.11; $M_{\phi r}$2.33±.21; Best double couple: NP1:ϕ_s356.00000°,δ60.00000°,λ85.00000°. NP2:ϕ_s186.00000°,δ30.00000°,λ99.00000°. Principal axes: T 4.3450,Plg74.0000° ,Azm253.0000°; N 0.6910,Plg4.0000°,Azm359.0000°; P -5.0410,Plg15.0000°,Azm90.0000° M_o4.69300×10^{16}
NEIC Event type se.
ISCJB Event type se.
IDC X 17 17 09 24.9–10 31.99S 179.60W 147–100 3.6,3.4
¶601998688
IDC Error ellipse: s-maj=89.1km s-min=50.9km az=179.0.
ISC X 19 15 34 10.8–.37 30.79S–.03 176.65W–.04 46–2 5.6b,4.8s 813 2-173
ISCJB X 19 15 34 08.2–.12 30.82S–.02 176.75W–.03 31 5.5b,4.8s **¶601874180**
NEIC X 19 15 34 09.8–.27 30.81S 176.80W 35 5.5b,4.8s
MOS X 19 15 34 09.3–1.3 30.52S 176.68W 33 5.7b,4.8s
BJI X 19 15 34 11.3 30.70S 177.60W 35 5.7b,5.5b
GCMT X 19 15 34 12.8–.10 30.52S–.01 176.51W–.01 46–0 5.3W,5.5b
IDC X 19 15 34 15.9–.53 30.46S 176.89W 78–4 5.3,5.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=1.8km az=28.9.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.2km az=118.0.
MOS Error ellipse: s-maj=11.4km s-min=8.8km az=114.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c179; s116,c182;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-0.54±.02; $M_{\phi\phi}$-0.51±.02; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$0.38±.01; Best double couple: NP1:ϕ_s44.00000°,δ58.00000°,λ88.00000°. NP2:ϕ_s227.00000°,δ32.00000°,λ93.00000°. Principal axes: T 1.1700,Plg77.0000° ,Azm309.0000°; N 0.0320,Plg1.0000°,Azm45.0000°; P -1.2020,Plg13.0000°,Azm135.0000° M_o1.18600×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=10.8km az=21.0.
IDC X 21 06 03 52.7–1.6 28.13S 179.03W 254–13 3.9,3.4
¶601999126
IDC Error ellipse: s-maj=44.1km s-min=20.9km az=54.0.
ISC X 21 10 46 53.2–1.1 31.13S–.09 178.7W–.20 350 56 2-152
ISCJB X 21 10 46 54.5–.98 31.12S–.09 178.7W–.20 350 2.8b **¶601999153**
IDC X 21 10 46 55.2–7.5 31.00S 179.61W 325–76 3.8,3.2
WEL X 21 10 46 57.3–.83 31S–8.0 179W–18 308–15 3.8,3.2
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 22 03 15 21.4–6.4 27.52S 175.30W 0 4.1,3.8b
¶601874197
IDC Error ellipse: s-maj=296.6km s-min=52.9km az=153.0.
ISC X 22 03 45 04.9–.70 29.0S–.10 177.8W–.10 57 4.1b,3.6s 23 0-164
IDC X 22 03 44 57.1–.69 28.75S 177.69W 0 4.3,4.1 **¶601842529**
ISCJB X 22 03 45 02.9–.80 28.84S–.10 177.8W–.10 57 4.1b,3.5s
NEIC X 22 03 45 02.4–.53 28.84S 177.72W 35 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.0km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=14.2km az=1.9.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=14.0km az=129.0.
IDC X 22 04 12 45.5–3.8 31.17S 178.00W 0 3.8,3.6
¶601999245
IDC Error ellipse: s-maj=86.0km s-min=27.4km az=118.0.
IDC X 22 11 19 27.2–2.0 28.18S 178.12W 0 4.3,4.1
¶601999268
IDC Error ellipse: s-maj=46.0km s-min=19.6km az=61.0.
IDC X 24 19 47 48.7–5.2 29.48S 178.56E 0 3.7,3.5
¶601999524
IDC Error ellipse: s-maj=218.7km s-min=67.1km az=161.0.
ISC X 26 15 21 19.8–1.0 30.92S–.08 179.6W–.10 350 3.8b 53 2-152
IDC X 26 15 21 16.3–8.0 30.73S 179.32W 363–71 4.2,3.6 **¶601999750**
WEL X 26 15 21 22.9–.67 31S–7.0 179W–15 342–11 4.2,3.6
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 27 20 32 12.1–2.9 28.49S 177.80W 0 3.9,3.6
¶601999858
IDC Error ellipse: s-maj=64.2km s-min=19.6km az=77.0.
IDC X 29 16 11 20.4–17 30.68S 175.29W 0 3.9,3.9L
¶602000312
IDC Error ellipse: s-maj=322.9km s-min=69.8km az=68.0.
ISC X 30 02 24 09.7–.84 28.7S–.20 177.5W–.20 54 4.0b 16 1-164
ISCJB X 30 02 24 07.8–.90 28.7S–.10 177.5W–.20 54 3.9b **¶601867004**
IDC X 30 02 24 09.6–2.0 28.74S 177.55W 53–15 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=19.1km az=42.8.
IDC Error ellipse: s-maj=30.3km s-min=28.8km az=157.0.
ISC XI 03 20 06 09.7–.84 28.00S–.09 176.8W–.10 35 4.6b,3.3s 50 2-165
IDC XI 03 20 06 04.3–1.2 27.73S 176.64W 0 4.4L,3.9 **¶601891426**
ISCJB XI 03 20 06 09.2–.89 28.24S–.07 176.9W–.10 35 4.4b,3.2s
NEIC XI 03 20 06 13.4–.75 28.30S 176.97W 60 4.7b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=27.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.9km az=166.2.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.2km az=94.0.
ISC XI 03 20 36 08.1–1.6 29.83S–.10 176.4W–.10 21 4.0b 24 1-163
IDC XI 03 20 36 02.9–2.5 29.47S 176.09W 0 4.0,3.9 **¶602051265**
NEIC XI 03 20 36 11.3–2.5 29.86S 176.48W 43–14 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=28.6km az=27.0.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=10.6km az=67.0.
ISC XI 05 08 23 35.8–3.9 28.1S–.50 178.7W–.50 350 3.2b 8 15-74
IDC XI 05 08 23 39.5–10 28.08S 178.84W 388–83 3.9,3.2 **¶602388850**
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=25.5km az=49.0.
ISC XI 05 22 21 19.0–.79 31.12S–.08 179.3E–.10 350 3.4b 79 3-151
IDC XI 05 22 21 19.1–.81 31.13S 179.98W 414–11 3.9,3.2 **¶601874905**
ISCJB XI 05 22 21 20.2–.48 31.11S–.04 179.10E–.10 350 3.3b,3.2
WEL XI 05 22 21 26.4–.90 32S–8.0 180W–22 291–16 3.3b,3.2
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 07 22 22 04.8–1.2 30.0S–.30 179.9W–.20 500 12 15-163
IDC XI 07 22 22 03.3–8.8 30.08S 179.88W 481–83 3.8,3.0 **¶601880499**
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=43.7km az=89.0.
IDC XI 08 14 50 27.3–40 29.46S 179.19W 0 3.7,3.5
¶602389036
IDC Error ellipse: s-maj=724.5km s-min=150.3km az=95.0.
IDC XI 08 22 15 50.3–8.9 30.99S 179.73W 433–106 3.5,2.9
¶602389057
IDC Error ellipse: s-maj=101.1km s-min=44.4km az=9.0.
IDC XI 09 12 34 34.8–14 29.77S 176.42W 0 3.9,3.7
¶602389091
IDC Error ellipse: s-maj=268.5km s-min=45.4km az=93.0.
IDC XI 10 23 18 24.5–2.6 28.64S 177.58W 0 3.9,3.7
¶602389179
IDC Error ellipse: s-maj=58.1km s-min=20.3km az=98.0.
ISC XI 14 09 16 03.0–.46 30.06S–.04 176.43W–.06 24 4.8b,3.7s 118 2-163
WEL XI 14 09 15 59.7–1.3 30S–4.0 176W–9.0 0 5.5L,3.7s **¶601897476**
IDC XI 14 09 15 59.4–.50 29.71S 176.23W 0 4.7,4.6
ISCJB XI 14 09 16 00.4–.42 30.19S–.02 176.26W–.05 24 4.8b,3.7s
NEIC XI 14 09 16 03.7–.36 30.10S 176.27W 35 4.8b,3.7s
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.1km s-min=15.1km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=5.7.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=121.0.
ISC XI 14 10 10 07.6–1.7 31.2S–.10 178.0W–.30 35 4.4b 22 2-153
ISCJB XI 14 10 10 03.9–2.0 31.31S–.07 177.8W–.30 35 4.3b,3.3s **¶602056161**
IDC XI 14 10 10 03.4–2.1 31.24S 178.08W 0 4.4b,4.4
NEIC XI 14 10 10 06.8–1.1 31.28S 177.92W 35 4.1b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.9km s-min=6.5km az=10.6.
IDC Error ellipse: s-maj=50.6km s-min=22.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=9.0km az=102.0.
WEL XI 15 06 02 05.9–1.2 30S–9.0 179E–11 33 4.7L
¶606794303
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 17 07 28 41.4–3.5 28.87S 175.66W 0 4.1L,3.8
¶602389558
IDC Error ellipse: s-maj=122.1km s-min=38.8km az=15.0.
ISC XI 20 21 19 22.6–2.0 31.5S–.10 179.8E–.30 450 49 3-146
IDC XI 20 21 19 25.1–7.7 31.85S 179.74E 492–102 3.8,3.0 **¶602389754**
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=47.9km az=5.0.
IDC XI 21 02 35 13.8–5.9 28.21S 175.69W 0 3.8,3.6
¶602389764
IDC Error ellipse: s-maj=282.8km s-min=90.8km az=162.0.
ISC XI 22 10 36 46.3–2.1 30.0S–.10 176.5W–.20 24 3.9b 8 1-163
ISCJB XI 22 10 36 42.8–2.3 30.06S–.09 176.3W–.20 24 3.7b **¶602389832**
IDC XI 22 10 36 42.4–2.7 29.86S 176.47W 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=10.6km az=165.5.
IDC Error ellipse: s-maj=50.9km s-min=26.3km az=49.0.
IDC XI 22 14 32 03.6–11 31.60S 178.94W 174–118 3.3,3.0
¶602389838
IDC Error ellipse: s-maj=109.1km s-min=57.5km az=175.0.
IDC XI 24 03 40 55.8–9.1 30.79S 179.66W 140–78 3.9,3.7
¶602389923
IDC Error ellipse: s-maj=69.3km s-min=26.9km az=24.0.
ISC XI 27 15 54 26.3–.56 27.48S–.06 178.15W–.09 350 3.9b 112 2-166
IDC XI 27 15 54 23.7–1.3 26.80S 178.57W 313–12 4.3,3.8 **¶601994852**
WEL XI 27 15 54 26.2–.84 28S–10 176W–23 334–6 4.3,3.8
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 27 17 51 03.2–9.3 30.85S 179.73W 365–107 3.3,2.7
¶602390069
IDC Error ellipse: s-maj=107.7km s-min=47.0km az=1.0.
ISC XI 29 08 11 09.4–.27 28.49S–.03 178.28W–.04 253–2 4.8b 845 1-173
BJI XI 29 08 11 03.1 28.20S 178.40W 206 5.4b,5.0b **¶601995200**
IDC XI 29 08 11 09.0–.38 28.09S 178.38W 245–3 5.1,4.7
MOS XI 29 08 11 08.5–.93 28.03S 178.38W 248 5.0b,4.7
ISCJB XI 29 08 11 08.1–.31 28.45S–.02 178.33W–.03 252–3 4.8b,4.7
NEIC XI 29 08 11 09.7–.37 28.45S 178.39W 257–3 4.8b,4.7
WEL XI 29 08 11 09.3–.93 29S–8.0 176W–20 228–11 4.8b,4.7
GCMT XI 29 08 11 12.7–.10 28.07S–.01 178.02W–.01 253–1 5.5W,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c170; s119,c206;Duration: 1ŝ3
Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.03 $M_{\theta\theta}$0.90±.03; $M_{\phi\phi}$-1.31±.03; $M_{r\theta}$-0.89±.03; $M_{\theta\phi}$-0.05±.03; $M_{\phi r}$1.43±.03; Best double couple: NP1:ϕ_s326.00000°,δ83.00000°,λ60.00000°. NP2:ϕ_s224.00000°,δ31.00000°,λ166.00000°. Principal axes: T 1.8930,Plg44.0000° ,Azm206.0000°; N 0.2810,Plg30.0000°,Azm330.0000°; P -2.1750,Plg31.0000°,Azm81.0000° M_o2.03400×10^{17}
ISC XI 29 09 43 34.0–.78 30.25S–.08 179.4W–.20 350 3.6b 44 2-163
ISCJB XI 29 09 43 34.1–.58 30.19S–.05 179.5W–.10 350 3.6b **¶601995215**
WEL XI 29 09 43 39.0–1.2 30S–24 180W–67 271–38 3.6b
IDC XI 29 09 43 43.2–15 30.05S 179.74W 428–151 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=5.0km az=17.5.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=81.6km s-min=23.3km az=60.0.
ISC XII 03 16 52 49.9–1.2 27.39S–.09 177.4W–.20 55 4.2b 21 2-152
IDC XII 03 16 52 40.5–1.5 27.06S 176.90W 0 4.6L,4.1 **¶601996000**
ISCJB XII 03 16 52 47.3–.96 27.26S–.08 177.2W–.20 55 4.0b,2.9s
NEIC XII 03 16 52 53.2–2.8 27.64S 177.45W 82–22 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=26.9km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=11.3km az=176.4.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=21.0km az=89.0.
ISC XII 03 22 25 45.6–1.7 29.1S–.10 176.1W–.20 38 3.9b 10 2-144
IDC XII 03 22 25 39.4–2.6 28.90S 176.09W 0 4.0,4.0 **¶602390407**
ISCJB XII 03 22 25 43.0–1.7 29.24S–.10 176.0W–.10 38 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XII 05 23 41 55.6–.43 31.14S–.06 177.50W–.08 27 5.1b,4.5s 142 2-162
IDC XII 05 23 41 51.2–.64 30.84S 177.42W 0 4.8,4.6 **¶602090151**
BJI XII 05 23 41 53.8 30.75S 177.24W 16 5.6b,5.4b
ISCJB XII 05 23 41 54.1–.20 31.26S–.05 177.54W–.06 27 5.0b,4.5s
NEIC XII 05 23 41 54.1–3.1 31.10S 177.52W 18–19 5.0b,4.5s
GCMT XII 05 23 41 55.1–.40 30.96S–.03 176.95W–.03 18–1 5.0W,4.5s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s60,c70;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.35±.18 $M_{\theta\theta}$-0.76±.13; $M_{\phi\phi}$-1.59±.12; $M_{r\theta}$1.57±.36; $M_{\theta\phi}$-1.07±.09; $M_{\phi r}$2.06±.30; Best double couple: NP1:ϕ_s37.00000°,δ69.00000°,λ92.00000°. NP2:ϕ_s212.00000°,δ21.00000°,λ86.00000°. Principal axes: T 3.5040,Plg66.0000° ,Azm309.0000°; N -0.0290,Plg1.0000°,Azm216.0000°; P -3.4720,Plg24.0000° ,Azm125.0000° M_o3.48800×10^{16}
IDC XII 07 16 50 18.6–8.7 28.46S 176.98W 0 4.0,3.9
¶602390709
IDC Error ellipse: s-maj=180.5km s-min=34.1km az=114.0.
ISC XII 08 12 26 31.5–.39 31.03S–.04 177.27W–.07 27 4.9b,4.6s 182 2-162
IDC XII 08 12 26 27.7–.53 30.92S 177.35W 0 4.7,4.5 **¶602032186**
WEL XII 08 12 26 29.0 31.09S 177.45W 10 5.6L,4.5
NEIC XII 08 12 26 29.4–.17 31.09S 177.45W 10 4.9b,4.5
ISCJB XII 08 12 26 30.4–.21 31.22S–.03 177.48W–.05 27 4.8b,4.5s
GCMT XII 08 12 26 32.4–.30 30.88S–.03 176.99W–.02 17–1 5.0W,4.5s
ISC Event type se.
WEL manual. confirmed.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c48; s77,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.18 $M_{\theta\theta}$-1.01±.13; $M_{\phi\phi}$-2.28±.11; $M_{r\theta}$0.05±.35; $M_{\theta\phi}$-1.13±.07; $M_{\phi r}$2.00±.27; Best double couple: NP1:ϕ_s16.00000°,δ61.00000°,λ78.00000°. NP2:ϕ_s221.00000°,δ31.00000°,λ111.00000°. Principal axes: T 3.9440,Plg71.0000° ,Azm259.0000°; N -0.5330,Plg11.0000°,Azm22.0000°; P -3.4200,Plg15.0000° ,Azm115.0000° M_o3.68200×10^{16}
IDC XII 08 22 56 22.5–1.8 31.07S 176.83W 0 3.9,3.6
¶602390857
IDC Error ellipse: s-maj=45.3km s-min=44.3km az=141.0.
IDC XII 10 20 29 50.0–6.6 31.08S 179.26E 463–71 4.2,3.5
¶602391021
IDC Error ellipse: s-maj=93.7km s-min=40.3km az=20.0.
ISC XII 11 11 06 27.0–.00 29.75S–.07 176.07W–.09 35 4.0b,3.4s 25 2-95
IDC XII 11 11 06 22.3–1.6 29.75S 176.09W 0 4.1,4.0 **¶602342553**

NEIC XII 11 11 06 24.1–.82 29.74S 176.12W 10 4.4b,4.0
ISCJB XII 11 11 06 25.8–.94 29.87S–.05 176.10W–.10 35 4.0b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 12 11 01 45.0–.51 29.13S–.09 176.56W–.09 36 4.8b,4.0s 94 1-164
IDC XII 12 11 01 39.7–.61 28.75S 176.73W 0 4.6,4.4b **¶602090177**
ISCJB XII 12 11 01 43.7–.26 29.00S–.06 176.81W–.08 36 4.7b,4.1s
NEIC XII 12 11 01 44.9–.15 28.96S 176.75W 35 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=17.5km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.0km az=39.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=130.0.
IDC XII 13 08 00 56.2–1.4 28.60S 178.14W 0 3.9,3.6
¶602391241
IDC Error ellipse: s-maj=34.4km s-min=17.6km az=62.0.
ISC XII 16 18 08 51.2–.76 31.1S–.10 177.3W–.10 33 4.3b,3.8s 22 2-162
IDC XII 16 18 08 47.1–.89 30.60S 177.56W 0 4.4,4.2b **¶602090191**
ISCJB XII 16 18 08 48.5–.81 31.20S–.08 177.2W–.10 33 4.2b,3.8s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 17 11 28 48.1–.32 31.01S–.04 178.36W–.06 41–2 5.0b 331 2-170
BJI XII 17 11 28 39.0 31.00S 176.60W 41 5.5b,5.2b **¶602046719**
WEL XII 17 11 28 42.7–1.0 31S–4.0 177W–14 33 5.8L,5.2b
MOS XII 17 11 28 46.7–1.0 30.80S 178.32W 33 5.2b,5.2b
NEIC XII 17 11 28 47.3–.20 31.02S 178.20W 35 4.9b,5.2b
ISCJB XII 17 11 28 49.0–.19 31.24S–.03 178.33W–.05 59 4.9b,3.8s
IDC XII 17 11 28 51.0–.67 30.67S 178.25W 62–6 4.8,4.7
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.7km s-min=11.1km az=61.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.6km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=28.3.
IDC Error ellipse: s-maj=18.1km s-min=7.4km az=98.0.
IDC XII 17 20 08 46.3–15 28.66S 179.36W 513–128 3.9,3.1
¶602391568
IDC Error ellipse: s-maj=170.2km s-min=57.2km az=128.0.
ISC XII 18 01 48 15.0–1.3 28.1S–.20 178.4W–.20 35 3.8b 9 1-151
IDC XII 18 01 48 10.3–1.3 28.17S 178.45W 0 4.1,4.0 **¶602090198**
ISCJB XII 18 01 48 13.3–4.9 28.1S–.50 178.5W–.60 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XII 18 03 02 09.9–.89 31.11S–.09 177.5W–.20 35 4.3b,3.8s 34 2-153
IDC XII 18 03 02 04.6–1.2 30.65S 177.77W 0 4.3,4.2b **¶602090199**
ISCJB XII 18 03 02 08.3–.97 31.04S–.06 177.8W–.10 35 4.2b,3.8s
NEIC XII 18 03 02 11.3–.78 30.98S 177.97W 35 4.2b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=24.9km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=8.3km az=12.4.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=11.0km az=104.0.
IDC XII 18 19 25 32.5–6.4 27.97S 177.79W 0 3.6,3.5
¶602391624
IDC Error ellipse: s-maj=253.4km s-min=103.2km az=162.0.
ISC XII 22 04 00 18.0–.59 29.36S–.09 176.51W–.07 21 4.7b 54 1-153
ISCJB XII 22 04 00 16.3–.53 29.46S–.05 176.56W–.07 21 4.6b,3.6s **¶602068811**
NEIC XII 22 04 00 21.0–1.3 29.46S 176.62W 47–11 4.6b,3.6s
IDC XII 22 04 00 21.9–3.2 29.45S 176.57W 51–24 4.3,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=24.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.8km az=67.0.
IDC Error ellipse: s-maj=25.3km s-min=21.3km az=81.0.
ISC XII 24 19 13 43.1–1.9 30.8S–.10 179.8W–.30 377 3.4b 7 8-149
IDC XII 24 19 13 48.6–7.8 31.18S 179.97W 439–92 3.9,3.2 **¶602392014**
ISC Event type ke.
IDC Error ellipse: s-maj=93.3km s-min=30.4km az=9.0.
IDC XII 26 03 14 44.1–6.9 28.16S 178.90W 0 3.4,3.3
¶602380615
IDC Error ellipse: s-maj=318.6km s-min=105.0km az=163.0.
IDC XII 26 06 24 13.0–4.8 28.15S 176.67W 0 4.1,4.0b
¶602380625
IDC Error ellipse: s-maj=107.8km s-min=35.0km az=118.0.
IDC XII 26 18 01 02.2–2.9 29.65S 176.22W 0 3.8,3.7
¶602380653
IDC Error ellipse: s-maj=49.0km s-min=40.2km az=91.0.
IDC XII 27 00 29 53.4–1.5 28.64S 178.13W 0 4.0,3.8
¶602380681
IDC Error ellipse: s-maj=42.1km s-min=14.7km az=62.0.
ISC XII 28 04 58 22.6–.43 30.15S–.05 179.22W–.08 350 4.3b 147 1-163
NEIC XII 28 04 58 20.5–.47 29.95S 179.21W 326–4 4.3b **¶602090258**
IDC XII 28 04 58 21.3–1.1 29.75S 179.34W 326–10 4.6,4.1
ISCJB XII 28 04 58 22.4–.40 30.12S–.03 179.38W–.07 350 4.1b,4.1
WEL XII 28 04 58 23.4–.92 30S–9.0 178W–19 300–10 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 28 09 38 56.5–.34 29.77S–.05 176.19W–.06 35 4.7b,4.5s 258 2-168
NEIC XII 28 09 38 52.4–.18 29.65S 176.23W 10 4.5b,4.5s **¶602060672**
WEL XII 28 09 38 52.7–1.2 30S–6.0 176W–10 12 5.5L,4.5s
IDC XII 28 09 38 53.0–.48 29.22S 176.23W 0 4.6,4.5
ISCJB XII 28 09 38 54.6–.21 29.87S–.02 176.18W–.04 35 4.6b,4.5s
MOS XII 28 09 38 57.5–1.2 29.73S 176.26W 51 4.8b,4.5s
GCMT XII 28 09 38 58.4–.10 29.26S–.01 175.93W–.01 12 5.2W,4.5s
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c92; s114,c195;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-7.07±.11 $M_{\theta\theta}$0.45±.12; $M_{\phi\phi}$6.62±.09; $M_{r\theta}$-0.08±.36; $M_{\theta\phi}$0.81±.09; $M_{\phi r}$-1.75±.29; Best double couple: NP1:ϕ_s6.00000°,δ52.00000°,λ-91.00000°. NP2:ϕ_s188.00000°,δ38.00000°,λ-88.00000°. Principal axes: T 6.9410,Plg7.0000° ,Azm97.0000°; N 0.3480,Plg1.0000°,Azm7.0000°; P -7.2900,Plg83.0000°,Azm269.0000° $M_0$7.11600×10^{16}
ISC XII 28 10 35 48.5–.25 29.62S–.04 176.17W–.04 28 5.2b,4.8s 799 2-168
WEL XII 28 10 35 43.0–1.5 30S–8.0 176W–10 33 5.8L,4.8s **¶606818862**
BJI XII 28 10 35 44.0 29.70S 176.30W 6 5.8b,5.4b
IDC XII 28 10 35 45.4–.43 29.21S 176.27W 0 5.1,5.0
NEIC XII 28 10 35 45.0–.09 29.60S 176.25W 10 5.1b,5.0
ISCJB XII 28 10 35 46.5–.10 29.77S–.02 176.22W–.03 28 5.1b,4.8s
MOS XII 28 10 35 49.7–1.2 29.50S 176.24W 45 5.2b,4.9s
GCMT XII 28 10 35 51.0–.10 29.25S–.01 175.92W–.01 12 5.3W,4.9s
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c109; s117,c211;Duration: 1$\hat{s}$1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$-0.14±.05; $M_{\theta\phi}$0.19±.01; $M_{\phi r}$-0.32±.04; Best double couple: NP1:ϕ_s16.00000°,δ54.00000°,λ-87.00000°. NP2:ϕ_s191.00000°,δ36.00000°,λ-94.00000°. Principal axes: T 1.0490,Plg9.0000° ,Azm104.0000°; N 0.1580,Plg3.0000°,Azm194.0000°; P -1.2060,Plg81.0000°,Azm300.0000° $M_0$1.12800×10^{17}
ISC XII 28 10 39 59.8–.67 29.53S–.07 176.16W–.07 28 4.4b 61 2-152
WEL XII 28 10 39 54.4–1.6 30S–8.0 176W–12 33 5.4L **¶602090263**
IDC XII 28 10 39 56.3–.74 29.24S 176.29W 0 4.6,4.4
ISCJB XII 28 10 39 57.7–.43 29.68S–.04 176.04W–.05 28 4.3b,4.4
NEIC XII 28 10 39 57.0–.47 29.43S 176.21W 10 4.4b,4.4
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=27.9km s-min=19.2km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=16.5.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.0km az=119.0.
ISC XII 28 17 01 15.4–.97 31.85S–.07 178.5W–.20 250 4.3b 84 3-146
NEIC XII 28 17 01 11.0–2.0 31.34S 179.24W 172–20 4.6b **¶602380745**
IDC XII 28 17 01 12.5–7.2 31.26S 179.31W 172–54 4.3,4.0
WEL XII 28 17 01 17.1–.81 32S–8.0 178W–18 240–13 4.3,4.0
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 29 06 49 14.7–44 27.30S 179.64W 0 4.0,3.8
¶602380827
IDC Error ellipse: s-maj=797.5km s-min=157.1km az=92.0.
IDC XII 29 20 48 57.6–5.9 30.73S 179.28W 0 3.9,3.6
¶602380855
IDC Error ellipse: s-maj=237.6km s-min=54.3km az=156.0.
ISC XII 29 22 08 16.1–1.3 29.0S–.20 177.6W–.20 54 4.3b 13 0-164
IDC XII 29 22 08 08.7–1.2 28.69S 177.71W 0 4.5,4.3 **¶602090271**
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=15.7km az=98.0.
ISC XII 30 09 38 20.4–.64 29.43S–.08 176.20W–.08 28 4.2b,3.6s 40 2-164
IDC XII 30 09 38 16.2–.90 29.24S 176.18W 0 4.4,4.2 **¶602092447**
NEIC XII 30 09 38 17.2–.47 29.33S 176.09W 10 4.4b,4.2
ISCJB XII 30 09 38 18.7–.67 29.57S–.06 176.12W–.08 28 4.2b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 31 15 37 53.3–5.8 28.65S 179.12W 0 3.5,3.4
¶602380498
IDC Error ellipse: s-maj=219.8km s-min=96.0km az=163.0.

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ISC VII 01 15 30 29.5–1.8 30.2S–.10 177.4W–.30 33 4.2b 14 1-145
IDC VII 01 15 30 24.4–1.9 30.38S 177.35W 0 4.3,4.1 **¶601263676**
NEIC VII 01 15 30 25.8–1.5 30.29S 177.33W 10 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=30.2km az=114.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=20.2km az=109.0.
IDC VII 01 17 08 43.1–7.4 30.49S 178.75W 0 3.5,3.3
¶601663365
IDC Error ellipse: s-maj=310.6km s-min=58.4km az=156.0.
ISC VII 04 00 15 57.3–.67 29.49S–.08 177.09W–.07 31 4.4s,4.3b 27 1-164
IDC VII 04 00 15 52.4–.76 29.49S 177.03W 0 4.4,4.3 **¶601351255**
ISCJB VII 04 00 15 54.5–.80 29.62S–.06 176.99W–.09 31 4.3s,4.3b
NEIC VII 04 00 15 55.7–3.0 29.43S 177.13W 20–20 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=17.3km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=6.3.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.6km az=108.0.
ISC VII 04 14 36 35.3–.27 30.93S–.03 177.95W–.05 46 5.1b,4.3s 447 2-170
BJI VII 04 14 36 29.2 30.14S 177.57W 7 5.4b,5.1b **¶601505932**
MOS VII 04 14 36 33.0–.92 30.67S 178.16W 33 5.3b,5.1b
ISCJB VII 04 14 36 33.9–.15 31.04S–.02 178.12W–.04 46 5.0b,4.3s
IDC VII 04 14 36 34.8–1.7 30.63S 178.10W 41–14 4.6,4.5
GCMT VII 04 14 36 34.5–.20 30.71S 177.98W 42–1 5.2W,4.5
WEL VII 04 14 36 34.0 30.75S 178.17W 39 6.0L,4.5
NEIC VII 04 14 36 34.5–.98 30.75S 178.17W 39–8 5.1b,4.5
ISC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=9.7km az=69.4.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.3km az=28.7.
IDC Error ellipse: s-maj=12.2km s-min=10.0km az=98.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s78,c111; s85,c134; Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.22±.20 $M_{\theta\theta}$-1.72±.15; $M_{\phi\phi}$-3.50±.14; $M_{r\theta}$1.92±.16; $M_{\theta\phi}$-2.02±.11; $M_{\phi r}$5.24±.18; Best double couple: NP1:ϕ_s24.00000°,δ69.00000° ,λ84.00000°. NP2:ϕ_s220.00000°,δ22.00000°,λ105.00000°. Principal axes: T 7.7630,Plg65.0000°,Azm284.0000°; N -0.5270,Plg6.0000°,Azm26.0000° ; P -7.2360,Plg24.0000°,Azm118.0000° $M_0$7.50000×10^{16}
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.7km az=145.0.
IDC VII 04 20 45 53.0–2.9 30.93S 177.64W 0 4.0b,4.0
¶601663496
IDC Error ellipse: s-maj=71.6km s-min=27.3km az=112.0.
ISC VII 05 00 53 46.2–1.0 30.21S–.07 177.7W–.20 35 4.2b 19 1-163
NEIC VII 05 00 53 41.7–.81 30.33S 177.56W 10 4.3b **¶601404589**
ISCJB VII 05 00 53 45.5–1.3 30.28S–.07 177.9W–.20 35 4.1b
IDC VII 05 00 53 49.2–2.0 30.09S 177.77W 59–17 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=13.9km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=8.9km az=8.2.
IDC Error ellipse: s-maj=27.0km s-min=24.6km az=133.0.
IDC VII 06 18 23 11.6–17 30.52S 178.85W 330–205 3.6,3.0
¶601663551
IDC Error ellipse: s-maj=241.6km s-min=48.8km az=180.0.
IDC VII 07 22 46 38.8–2.9 30.71S 177.61W 0 3.9,3.7
¶601663609
IDC Error ellipse: s-maj=67.3km s-min=27.5km az=109.0.
ISC VII 08 00 11 18.7–.47 30.47S–.06 177.30W–.10 33 4.7b,3.9s 80 1-163
NEIC VII 08 00 11 14.6–.55 30.37S 177.22W 10 4.7b,3.9s **¶601505955**
IDC VII 08 00 11 14.5–.53 30.56S 177.54W 0 4.5,4.5L
BJI VII 08 00 11 16.3 30.35S 176.58W 48 5.3b,5.2b
ISCJB VII 08 00 11 18.3–.53 30.54S–.04 177.52W–.10 33 4.8b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 09 16 51 10.6–4.9 30.52S 178.84W 0 3.6,3.3
¶601664340
IDC Error ellipse: s-maj=150.4km s-min=21.1km az=140.0.
ISC VII 10 00 43 29.4–1.3 30.0S–.10 178.7W–.20 400 47 1-145
ISCJB VII 10 00 43 29.0–.69 29.89S–.07 178.8W–.20 400 3.5b **¶601664361**
IDC VII 10 00 43 29.7–1.5 29.91S 179.11W 375–21 4.2,3.6
WEL VII 10 00 43 34.8–.74 30S–13 179W–34 337–12 4.2,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 12 07 25 08.9–.61 30.29S–.06 178.0W–.10 50 4.3b,3.5s 48 1-163
IDC VII 12 07 25 02.6–.69 30.23S 177.83W 0 4.4,4.3 **¶601505980**
NEIC VII 12 07 25 03.1–.47 30.41S 177.75W 10 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=16.0km az=87.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.9km az=104.0.
IDC VII 17 03 50 33.6–4.8 30.21S 178.59W 0 3.8,3.5
¶601664703
IDC Error ellipse: s-maj=266.8km s-min=45.0km az=162.0.
ISC VII 17 14 57 40.6–.89 31.0S–.10 178.9W–.20 35 4.1b 12 2-145
IDC VII 17 14 57 35.6–1.7 31.04S 178.90W 0 4.2,4.1 **¶601473889**
NEIC VII 17 14 57 37.2–.62 31.02S 178.93W 10 4.3b,4.1
ISCJB VII 17 14 57 38.8–.82 31.06S–.08 178.9W–.20 33 4.0b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 20 06 47.8–.80 30.9S–.10 178.9W–.10 35 4.6b 22 8-145
IDC VII 17 20 06 43.8–1.5 30.92S 178.87W 0 4.4,4.2 **¶601626171**
NEIC VII 17 20 06 43.7–.65 31.06S 178.76W 10 4.9b,4.2
ISCJB VII 17 20 06 44.2–.96 31.2S–.10 179.0W–.10 10 4.5b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 17 21 30 55.9–1.6 30.82S 179.00W 0 4.3,4.1
¶601664747
IDC Error ellipse: s-maj=75.1km s-min=31.1km az=10.0.
IDC VII 20 18 01 10.9–3.1 30.59S 177.64W 0 3.8,3.5

¶601664880
IDC Error ellipse: s-maj=66.5km s-min=25.6km az=106.0.
ISC VII 22 16 47 28.3–.55 30.28S–.09 177.3W–.10 35 4.5b 47 1-163
ISCJB VII 22 16 47 27.3–.50 30.31S–.07 177.5W–.10 35 4.5b ¶601506035
IDC VII 22 16 47 28.4–3.4 30.19S 177.32W 33–23 4.5,4.4
NEIC VII 22 16 47 29.2–1.8 30.18S 177.39W 41–14 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=10.2km az=172.2.
IDC Error ellipse: s-maj=21.6km s-min=15.5km az=89.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.6km az=95.0.
ISC VII 22 18 15 13.7–.36 30.42S–.04 177.26W–.07 33 4.9b,4.6s 194 1-163
WEL VII 22 18 15 07.6–1.2 30S–5.0 177W–20 12 5.4L,4.6s ¶601506037
IDC VII 22 18 15 08.8–.40 30.19S 177.31W 0 4.7,4.6
MOS VII 22 18 15 09.7–1.0 30.23S 177.40W 33 5.0b,4.6s
ISCJB VII 22 18 15 11.6–.28 30.60S–.03 177.28W–.06 33 4.8b,4.6s
BJI VII 22 18 15 11.5 30.32S 177.33W 30 5.4b,5.2b
NEIC VII 22 18 15 16.1–.31 30.55S 177.43W 60 4.9b,5.2b
GCMT VII 22 18 15 16.1–.20 30.19S 176.96W 19–0 5.1W,5.2b
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.8km s-min=12.6km az=64.0.
MOS Error ellipse: s-maj=11.5km s-min=9.7km az=100.3.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.2km az=21.5.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.4km az=131.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s64,c92; s93,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.17±.20 $M_{\theta\theta}$-0.78±.14; $M_{\phi\phi}$-4.39±.13; $M_{r\theta}$-0.07±.34; $M_{\theta\phi}$-1.46±.10; $M_{\phi r}$3.85±.29; Best double couple: NP1:ϕ_s8.00000°,δ64.00000°,λ80.00000°. NP2:ϕ_s209.00000°,δ28.00000°,λ109.00000°. Principal axes: T 6.5690,Plg70.0000°,Azm257.0000°; N -0.4700,Plg9.0000°,Azm12.0000°; P -6.0940,Plg18.0000°,Azm105.0000° $M_0$6.33200×10^{16}
IDC VII 22 23 16 06.1–1.2 30.01S 178.50W 0 4.2,4.0
¶601664999
IDC Error ellipse: s-maj=34.9km s-min=16.0km az=134.0.
ISC VII 23 19 47 14.5–.39 30.64S–.05 177.49W–.08 33 5.1b,4.0s 215 1-163
IDC VII 23 19 47 09.5–.46 30.42S 177.39W 0 4.8,4.7 ¶601506042
BJI VII 23 19 47 09.1 30.23S 177.17W 8 5.6b,5.4b
ISCJB VII 23 19 47 12.5–.41 30.95S–.04 177.44W–.08 33 5.0b,4.1s
NEIC VII 23 19 47 14.1–.30 30.83S 177.47W 35 5.0b,4.1s
MOS VII 23 19 47 14.4–.99 30.45S 177.61W 35 5.3b,4.1s
GCMT VII 23 19 47 14.1–.60 30.34S 177.24W 29–0 5.0W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=13.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.4km az=20.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.3km az=119.0.
MOS Error ellipse: s-maj=14.3km s-min=12.3km az=102.5.
GCMT Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s38,c46; s48,c66; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.24 $M_{\theta\theta}$-1.25±.17; $M_{\phi\phi}$-1.97±.14; $M_{r\theta}$-0.52±.30; $M_{\theta\phi}$-1.78±.12; $M_{\phi r}$1.19±.20; Best double couple: NP1:ϕ_s21.00000°,δ53.00000°,λ67.00000°. NP2:ϕ_s237.00000°,δ43.00000°,λ117.00000°. Principal axes: T 3.6560,Plg71.0000°,Azm233.0000°; N -0.1750,Plg18.0000°,Azm36.0000°; P -3.4810,Plg5.0000°,Azm128.0000° $M_0$3.56900×10^{16}
IDC VII 23 19 55 27.9–2.9 30.49S 177.34W 0 3.9,3.7
¶601666338
IDC Error ellipse: s-maj=56.2km s-min=27.6km az=98.0.
IDC VII 24 06 59 09.8–3.1 30.29S 177.39W 0 4.0,3.8
¶601666359
IDC Error ellipse: s-maj=67.1km s-min=25.1km az=100.0.
IDC VII 24 10 00 00.5–.63 29.33S 178.41W 140–9 3.8,3.5
¶601666370
IDC Error ellipse: s-maj=33.8km s-min=23.7km az=116.0.
IDC VII 26 11 42 38.1–11 30.28S 177.12W 0 3.6,3.4
¶601666475
IDC Error ellipse: s-maj=492.5km s-min=61.1km az=155.0.
IDC VII 27 23 56 32.1–6.8 30.12S 177.28W 0 4.0,3.8
¶601666543
IDC Error ellipse: s-maj=278.8km s-min=51.5km az=150.0.
ISC VII 28 00 35 44.6–.64 30.53S–.06 177.4W–.10 33 4.4b,3.6s 43 1-163
IDC VII 28 00 35 39.5–.65 30.38S 177.24W 0 4.5,4.4b ¶601503067
NEIC VII 28 00 35 40.9–.59 30.52S 177.42W 10 4.7b,4.4b
ISCJB VII 28 00 35 43.3–.68 30.48S–.06 177.4W–.20 33 4.4b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 28 01 04 57.1–1.4 30.55S–.07 177.5W–.20 33 4.1b 13 1-149
IDC VII 28 01 04 52.5–1.2 30.36S 177.31W 0 4.2,4.1 ¶601666549
ISCJB VII 28 01 04 56.8–1.6 30.49S–.06 177.5W–.30 33 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC VII 28 19 25 38.1–3.6 30.53S 177.67W 0 3.6,3.3
¶601666588
IDC Error ellipse: s-maj=79.8km s-min=32.0km az=117.0.
ISC VII 30 06 01 43.7–.69 29.5S–.10 178.7W–.20 300 3.3b 19 1-164
ISCJB VII 30 06 01 42.7–.75 29.36S–.10 178.8W–.20 300 3.4b ¶601506088
IDC VII 30 06 01 43.3–.61 29.22S 178.87W 288–7 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=10.8km az=24.2.
IDC Error ellipse: s-maj=31.9km s-min=21.4km az=143.0.
IDC VIII 02 14 56 30.7–5.1 30.42S 178.55W 0 3.8,3.6
¶601765355
IDC Error ellipse: s-maj=152.3km s-min=25.6km az=140.0.
ISC VIII 07 01 20 12.1–2.4 30.2S–.10 177.7W–.30 35 4.3b,3.6s 9 1-152
IDC VIII 07 01 20 07.4–2.3 30.25S 177.72W 0 4.4,4.3b ¶601765584
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=25.7km az=118.0.
IDC VIII 07 05 32 12.1–2.1 29.91S 178.14W 0 4.7b,4.7
¶601765589
IDC Error ellipse: s-maj=52.3km s-min=26.2km az=40.0.
ISC VIII 07 19 26 01.2–.74 30.68S–.10 178.6W–.20 124 4.5b 34 2-152
NEIC VIII 07 19 26 00.2–1.1 30.95S 178.41W 128–8 4.8b ¶601717635
IDC VIII 07 19 26 02.1–1.3 30.67S 178.58W 133–9 4.2,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.8km az=137.0.
IDC Error ellipse: s-maj=32.1km s-min=14.0km az=125.0.
ISC VIII 08 04 11 56.3–.62 30.19S–.06 177.8W–.10 113 4.7b 144 1-169
WEL VIII 08 04 11 54.6–1.1 30S–10 177W–22 113–22 4.7b ¶601605942
ISCJB VIII 08 04 11 55.9–.18 30.20S–.03 178.26W–.06 100 4.6b
NEIC VIII 08 04 11 57.6–.75 30.08S 178.29W 107–7 4.7b
IDC VIII 08 04 12 00.0–.55 29.69S 178.18W 123–4 4.4,4.3
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=2.3km az=25.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.8km az=130.0.
IDC Error ellipse: s-maj=17.7km s-min=13.4km az=157.0.
ISC VIII 08 06 26 33.9–1.0 29.66S–.10 177.4W–.20 100 4.2b 18 1-164
ISCJB VIII 08 06 26 32.6–1.3 29.70S–.07 177.4W–.20 100 4.1b ¶601765638
IDC VIII 08 06 26 34.0–1.3 29.62S 177.44W 95–6 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=9.1km az=11.8.
IDC Error ellipse: s-maj=26.6km s-min=18.9km az=121.0.
ISC VIII 12 06 35 54.1–.72 30.08S–.07 177.5W–.10 35 4.5b 26 1-163
IDC VIII 12 06 35 48.9–.78 30.06S 177.29W 0 4.5,4.3 ¶601734903
ISCJB VIII 12 06 35 52.6–.81 30.17S–.05 177.5W–.10 35 4.5b,4.3
NEIC VIII 12 06 35 54.1–.42 30.08S 177.39W 35 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=19.0km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=7.3km az=2.4.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.4km az=101.0.
ISC VIII 17 13 54 44.4–1.8 29.9S–.20 177.3W–.30 35 4.2b 8 1-148
IDC VIII 17 13 54 39.2–2.0 30.04S 177.29W 0 4.2,4.0b ¶601765991
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=35.0km az=99.0.
IDC VIII 17 15 12 26.9–3.2 30.06S 177.36W 0 3.7,3.5
¶601765993
IDC Error ellipse: s-maj=64.1km s-min=35.4km az=94.0.
IDC VIII 17 15 37 26.6–1.6 30.12S 178.88W 331–22 3.7,3.1
¶601765994
IDC Error ellipse: s-maj=57.2km s-min=24.4km az=111.0.
ISC VIII 20 21 25 48.0–.69 30.0S–.20 178.6W–.20 187 4.1b 20 1-163
ISCJB VIII 20 21 25 46.9–.75 30.0S–.20 178.7W–.20 187 4.0b ¶601766219
IDC VIII 20 21 25 47.4–.65 30.01S 178.70W 178–7 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=15.4km az=146.2.
IDC Error ellipse: s-maj=20.4km s-min=18.4km az=48.0.
IDC VIII 27 20 01 41.8–3.3 30.31S 177.50W 0 4.2,4.0b
¶601766585
IDC Error ellipse: s-maj=70.3km s-min=26.5km az=102.0.
IDC VIII 28 12 51 12.1–5.7 30.43S 178.27W 68–41 3.5,3.5
¶601755515
IDC Error ellipse: s-maj=83.6km s-min=40.6km az=137.0.
ISC VIII 31 01 49 22.1–.70 30.63S–.09 178.0W–.20 46 4.2b 22 1-163
NEIC VIII 31 01 49 20.9–.69 30.71S 178.01W 35 4.2b ¶601712942
ISCJB VIII 31 01 49 21.4–.74 30.63S–.07 178.2W–.20 46 4.2b,3.2s
IDC VIII 31 01 49 24.0–2.6 30.51S 178.09W 59–22 4.2,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=16.4km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=9.3km az=15.3.
IDC Error ellipse: s-maj=28.7km s-min=19.5km az=129.0.
ISC IX 02 13 06 44.0–.78 30.99S–.09 178.4W–.20 87 4.4b 25 2-162
IDC IX 02 13 06 33.1–.90 31.28S 178.30W 0 4.3,4.2 ¶601705090
NEIC IX 02 13 06 40.9–2.0 31.12S 178.37W 58–18 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=18.9km az=95.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=15.2km az=162.0.
ISC IX 03 06 52 48.8–.58 30.82S–.06 178.6W–.10 87 4.7b 72 2-162
WEL IX 03 06 52 45.1–.47 31S–22 179W–55 12 5.2L ¶601674422
ISCJB IX 03 06 52 46.6–.43 30.95S–.03 178.5W–.10 87 4.6b
NEIC IX 03 06 52 47.6–1.2 30.92S 178.49W 77–10 4.8b
IDC IX 03 06 52 47.5–1.6 30.91S 178.41W 81–14 4.6,4.5
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=3.3km az=16.9.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.5km az=121.0.
IDC Error ellipse: s-maj=33.2km s-min=12.7km az=114.0.
ISC IX 08 13 36 51.8–.77 29.2S–.10 177.2W–.20 300 3.8b 41 1-164
IDC IX 08 13 36 50.7–4.8 28.17S 178.47W 274–45 4.2,3.8 ¶601696938
WEL IX 08 13 36 51.8–.96 29S–11 177W–23 279–7 4.2,3.8
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 09 14 36 34.8–.27 30.51S–.04 177.80W–.06 46 5.0b,4.0s 393 1-171
IDC IX 09 14 36 28.6–.42 30.47S 177.92W 0 4.8,4.7 ¶604029803
MOS IX 09 14 36 33.8–1.0 30.42S 177.95W 40 5.3b,4.7
ISCJB IX 09 14 36 34.0–.14 30.72S–.02 178.02W–.04 46 5.0b,4.1s
BJI IX 09 14 36 35.0 30.35S 177.51W 57 5.5b,5.1s
GCMT IX 09 14 36 36.6–.30 30.49S–.02 177.62W–.03 41–1 5.0W,5.1s
WEL IX 09 14 36 36.0 30.40S 177.94W 58 5.7L,5.1s
NEIC IX 09 14 36 36.6–1.3 30.40S 177.94W 58–11 5.0b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=16.1km az=64.0.
MOS Error ellipse: s-maj=11.6km s-min=9.7km az=71.9.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.5km az=30.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c52; s66,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.45±.21 $M_{\theta\theta}$0.17±.15; $M_{\phi\phi}$-3.62±.13; $M_{r\theta}$-1.03±.15; $M_{\theta\phi}$-0.25±.12; $M_{\phi r}$1.82±.12; Best double couple: NP1:ϕ_s348.00000°,δ60.00000°,λ73.00000°. NP2:ϕ_s199.00000°,δ34.00000°,λ117.00000°. Principal axes: T 4.1720,Plg70.0000°,Azm222.0000°; N -0.1110,Plg14.0000°,Azm356.0000°; P -4.0610,Plg14.0000°,Azm90.0000° $M_0$4.11600×10^{16}
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=153.0.
ISC IX 09 17 12 27.3–1.2 29.0S–.20 178.6W–.20 231 3.5b 9 10-150
IDC IX 09 17 12 20.9–6.4 28.76S 178.44W 174–55 3.9,3.6 ¶601863246
ISCJB IX 09 17 12 26.7–1.1 29.20S–.10 178.7W–.20 231 3.4b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC IX 10 01 16 07.6–5.2 29.59S 178.76W 0 3.8,3.5
¶601863275
IDC Error ellipse: s-maj=237.1km s-min=81.1km az=165.0.
IDC IX 18 14 48 31.8–3.3 30.27S 178.08W 169–17 3.8,3.5
¶601863763
IDC Error ellipse: s-maj=98.4km s-min=31.5km az=156.0.
IDC IX 20 14 22 24.7–4.7 30.77S 178.10W 0 4.0,3.9
¶601863897
IDC Error ellipse: s-maj=169.7km s-min=54.4km az=159.0.
IDC IX 21 16 26 11.4–3.0 30.15S 177.26W 0 3.9,3.7
¶601863960
IDC Error ellipse: s-maj=59.5km s-min=29.0km az=96.0.
ISC IX 23 22 57 43.9–.56 30.23S–.05 177.53W–.10 10 4.4b 55 1-163
ISCJB IX 23 22 57 42.8–.55 30.39S–.05 177.53W–.09 10 4.4b ¶601864057
IDC IX 23 22 57 42.8–.72 30.11S 177.47W 0 4.2,4.1
NEIC IX 23 22 57 43.0–3.8 30.20S 177.47W 3–23 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.0km az=17.2.
IDC Error ellipse: s-maj=25.6km s-min=15.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.1km az=89.0.
ISC IX 25 07 09 10.5–.76 30.02S–.07 178.8W–.10 300 57 1-151
ISCJB IX 25 07 09 10.1–.47 29.92S–.04 179.0W–.10 300 3.1b ¶601864138
IDC IX 25 07 09 11.6–1.2 29.87S 179.05W 300–11 4.4,3.6
WEL IX 25 07 09 14.2–.77 31S–10 178W–24 266–9 4.4,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC IX 25 20 31 46.0–3.1 29.84S 177.58W 0 3.7,3.5
¶601864167
IDC Error ellipse: s-maj=81.5km s-min=40.9km az=44.0.
IDC IX 27 03 23 10.3–1.3 29.75S 178.15W 125–9 3.8,3.6
¶601864258
IDC Error ellipse: s-maj=54.4km s-min=22.1km az=112.0.
ISC IX 29 06 38 53.4–1.2 30.48S–.09 177.7W–.20 33 4.3b 22 1-152
IDC IX 29 06 38 49.7–5.1 30.25S 178.01W 0 4.4,4.1 ¶601857484
ISCJB IX 29 06 38 52.3–1.7 30.62S–.07 177.8W–.30 33 4.2b,4.1
NEIC IX 29 06 38 53.5–.79 30.51S 177.75W 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=251.4km s-min=40.0km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=34.7km s-min=9.4km az=7.6.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=10.2km az=107.0.
IDC X 03 08 55 44.4–3.5 30.52S 177.64W 0 4.1,3.8
¶601996913
IDC Error ellipse: s-maj=77.2km s-min=32.9km az=117.0.
ISC X 06 00 54 03.4–1.1 29.7S–.20 178.7W–.20 204 3.7b 9 1-163
IDC X 06 00 53 58.5–.48 29.53S 178.56W 160–7 4.1,3.8 ¶601997221
ISCJB X 06 00 54 02.0–1.2 29.8S–.20 178.7W–.20 204 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 06 22 35 06.2–.50 29.50S–.06 178.6W–.10 350 3.9b 111 1-164
ISCJB X 06 22 35 04.0–.49 29.56S–.04 178.4W–.10 350 3.8b ¶601794203
IDC X 06 22 35 05.9–.79 29.25S 179.02W 326–8 4.4,3.8
WEL X 06 22 35 09.3–.87 30S–8.0 178W–18 293–8 4.4,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

ISC X 10 18 14 51.3–.60 29.1S–.10 178.4W–.10 231 4.1b 33 0-164
ISCJB X 10 18 14 50.2–.58 29.17S–.09 178.5W–.10 231 4.1b **¶601825959**
IDC X 10 18 14 50.5–.37 29.35S 178.60W 209–4 4.4,3.9
NEIC X 10 18 14 51.1–.87 29.29S 178.53W 219–8 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=11.9km az=41.6.
IDC Error ellipse: s-maj=20.1km s-min=13.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=13.5km az=49.0.
ISC X 10 20 01 00.8–.39 29.96S–.07 178.45W–.08 150 4.6b 78 1-169
ISCJB X 10 20 01 00.7–.35 29.98S–.07 178.55W–.09 150 4.6b **¶601874141**
IDC X 10 20 01 01.7–.41 29.86S 178.53W 154–4 4.7,4.3
NEIC X 10 20 01 03.1–1.0 29.87S 178.56W 166–9 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=9.2km az=28.0.
IDC Error ellipse: s-maj=14.3km s-min=12.5km az=97.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=11.9km az=121.0.
IDC X 12 06 14 29.1–4.2 30.27S 178.15W 0 4.3,4.0
¶601997970
IDC Error ellipse: s-maj=218.2km s-min=65.6km az=166.0.
IDC X 12 16 42 01.9–5.0 29.70S 178.10W 0 3.8,3.5
¶601998022
IDC Error ellipse: s-maj=227.7km s-min=79.1km az=165.0.
ISC X 14 19 28 24.0–1.1 29.97S–.10 177.6W–.20 35 4.0b 10 1-92
IDC X 14 19 28 18.8–1.4 29.99S 177.63W 0 4.2,4.0 **¶601998251**
ISCJB X 14 19 28 22.6–.98 30.07S–.07 177.7W–.20 35 4.0b,3.6s
NEIC X 14 19 28 23.9–.77 29.92S 177.66W 35 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=16.9km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=10.0km az=177.5.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.1km az=82.0.
ISC X 14 23 56 55.0–.81 30.92S–.07 177.6W–.10 27 4.3b 19 2-162
IDC X 14 23 56 51.1–1.2 30.98S 177.69W 0 4.3,4.2b **¶601998273**
ISCJB X 14 23 56 52.5–.76 31.01S–.06 177.6W–.10 27 4.3b,4.2b
NEIC X 14 23 56 55.8–2.6 30.96S 177.62W 33–19 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=24.9km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=6.9km az=19.9.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.4km az=122.0.
ISC X 21 08 01 06.5–.37 29.01S–.06 177.07W–.06 36 4.7b,4.0s 176 1-164
IDC X 21 08 01 01.7–.52 28.56S 177.22W 0 4.6,4.5 **¶601874185**
ISCJB X 21 08 01 04.6–.36 29.09S–.04 177.13W–.07 36 4.7b,4.0s
NEIC X 21 08 01 06.1–.22 28.96S 177.06W 35 4.8b,4.0s
GCMT X 21 08 01 09.1–.40 28.83S–.03 177.10W–.03 33–1 5.0W,4.0s
WEL X 21 08 01 11.7–1.6 29S–8.0 177W–14 33 5.3L,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c38; s53,c68;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.88±.22 $M_{\theta\theta}$0.71±.16; $M_{\phi\phi}$-2.59±.14; $M_{r\theta}$1.63±.24; $M_{\theta\phi}$-0.51±.09; $M_{\phi r}$1.73±.16; Best double couple: NP1:ϕ_s34.00000°,δ70.00000°,λ115.00000°. NP2:ϕ_s161.00000°,δ31.00000°,λ41.00000°. Principal axes: T 3.2630,Plg57.0000° ,Azm337.0000°; N 0.1810,Plg23.0000°,Azm206.0000°; P -3.4460,Plg22.0000° ,Azm106.0000° $M_0$3.35500×10^{16}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 21 08 50 38.3–1.3 30.1S–.20 178.1W–.50 300 35 1-148
IDC X 21 08 49 54.4–5.6 30.14S 177.66W 0 3.9,3.6 **¶601874186**
WEL X 21 08 50 40.4–.86 30S–17 178W–47 303–11 3.9,3.6
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 21 19 21 08.4–1.0 30.8S–.10 178.6W–.20 100 4.2b 12 2-162
ISCJB X 21 19 21 07.7–.86 30.72S–.10 178.8W–.20 100 4.1b **¶601999202**
IDC X 21 19 21 08.0–1.3 30.75S 178.38W 118–11 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=7.3km az=26.3.
IDC Error ellipse: s-maj=31.3km s-min=13.5km az=115.0.
IDC X 22 02 44 02.8–5.0 30.17S 178.07W 0 3.7,3.5
¶601999240
IDC Error ellipse: s-maj=299.2km s-min=69.9km az=166.0.
ISC X 22 15 25 31.3–2.2 30.03S–.07 177.5W–.30 35 14 1-145
IDC X 22 15 25 25.6–3.0 30.04S 177.30W 0 4.0,3.8 **¶601874192**
NEIC X 22 15 25 36.8–1.1 29.28S 177.76W 73–6 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=27.1km az=92.0.
NEIC Event type se. Error ellipse: s-maj=40.0km s-min=16.5km az=141.0.
IDC X 24 16 11 28.8–4.1 29.12S 177.19W 62–16 3.9,3.8
¶601999503
IDC Error ellipse: s-maj=170.8km s-min=50.6km az=169.0.
IDC X 25 23 58 58.5–12 30.73S 178.96W 153–105 3.8,3.5
¶601999663
IDC Error ellipse: s-maj=97.3km s-min=54.1km az=23.0.
ISC X 31 16 26 35.5–.54 30.41S–.05 177.8W–.10 35 4.7b,3.6s 71 1-163
IDC X 31 16 26 30.1–.68 30.26S 177.70W 0 4.7,4.5b **¶601874277**
ISCJB X 31 16 26 34.6–.52 30.58S–.05 177.95W–.10 35 4.7b,3.6s
NEIC X 31 16 26 37.7–1.5 30.22S 177.78W 56–12 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=14.5km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.9km az=13.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.6km az=136.0.
ISC XI 04 04 16 42.0–.42 29.94S–.05 177.72W–.08 35 4.8b,3.4s 150 1-163
IDC XI 04 04 16 36.5–.50 29.72S 177.63W 0 4.7,4.6 **¶601870070**
BJI XI 04 04 16 38.8 29.90S 177.80W 24 5.5b,5.2b
ISCJB XI 04 04 16 40.3–.26 30.06S–.02 177.85W–.06 35 4.7b,3.4s
NEIC XI 04 04 16 40.7–1.3 29.87S 177.74W 26–9 4.7b,3.4s
WEL XI 04 04 16 40.5–.61 30S–11 178W–20 33 5.4L,3.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 05 02 49 09.4–.87 29.4S–.20 178.2W–.20 100 4.1b 9 0-164
ISCJB XI 05 02 49 08.3–.89 29.6S–.20 178.2W–.20 100 4.0b **¶602388836**
IDC XI 05 02 49 09.3–.67 29.38S 178.10W 101–9 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.0km s-min=15.4km az=143.9.
IDC Error ellipse: s-maj=37.0km s-min=25.5km az=4.0.
ISC XI 07 02 46 59.1–.45 30.44S–.06 178.0W–.10 46 4.7b,3.5s 89 1-163
ISCJB XI 07 02 46 58.6–.37 30.55S–.05 178.05W–.07 46 4.6b,3.4s **¶601880491**
NEIC XI 07 02 47 00.0–1.2 30.32S 177.97W 50–10 4.5b,3.4s
IDC XI 07 02 47 00.2–1.5 30.24S 177.97W 50–12 4.6L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.6km az=28.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.1km az=127.0.
IDC Error ellipse: s-maj=18.4km s-min=14.0km az=105.0.
IDC XI 10 05 43 03.5–3.2 30.89S 177.59W 0 3.9,3.6
¶602389136
IDC Error ellipse: s-maj=67.8km s-min=27.6km az=107.0.
IDC XI 11 06 59 29.5–1.5 29.66S 178.30W 235–16 3.6,3.2
¶602389204
IDC Error ellipse: s-maj=54.4km s-min=35.6km az=118.0.
IDC XI 11 09 51 00.1–11 30.45S 178.53W 123–108 3.6,3.4
¶602389213
IDC Error ellipse: s-maj=90.9km s-min=50.9km az=175.0.
ISC XI 12 16 09 43.2–2.2 30.91S–.08 177.4W–.30 27 4.0b 16 2-146
IDC XI 12 16 09 40.5–2.5 30.88S 177.52W 0 4.1,3.9 **¶601991794**
NEIC XI 12 16 09 41.9–1.2 30.87S 177.59W 10 4.3b,3.9
ISCJB XI 12 16 09 42.5–2.8 30.95S–.07 177.6W–.40 27 4.0b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 16 15 16 38.4–5.9 30.70S 178.22W 0 3.9,3.6
¶602389519
IDC Error ellipse: s-maj=229.4km s-min=58.0km az=155.0.
ISC XI 18 08 51 23.1–.57 30.36S–.05 177.7W–.10 33 4.6b 99 1-163
WEL XI 18 08 51 19.9–1.1 30S–3.0 178W–16 33 5.4L **¶601992678**
ISCJB XI 18 08 51 21.2–.54 30.53S–.03 177.8W–.10 33 4.5b
NEIC XI 18 08 51 23.6–.37 30.10S 177.59W 35 4.6b
IDC XI 18 08 51 24.8–2.1 30.16S 177.71W 42–18 4.3,4.2
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=3.1km az=13.1.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.1km az=105.0.
IDC Error ellipse: s-maj=27.7km s-min=16.7km az=92.0.
IDC XI 22 10 23 42.0–1.3 30.13S 178.74W 223–15 3.4,3.0
¶602389831
IDC Error ellipse: s-maj=49.9km s-min=21.8km az=112.0.
ISC XII 01 09 30 04.0–2.1 30.49S–.08 177.6W–.30 33 4.5b 17 1-152
NEIC XII 01 09 30 00.0–.88 30.58S 176.90W 35 4.3b **¶602311708**
IDC XII 01 09 30 09.1–4.3 30.09S 177.78W 60–31 4.4,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.4km az=107.0.
IDC Error ellipse: s-maj=57.3km s-min=32.5km az=146.0.
IDC XII 04 18 44 31.6–2.9 29.89S 177.20W 0 3.9,3.7
¶602390467
IDC Error ellipse: s-maj=59.9km s-min=27.8km az=62.0.
IDC XII 05 09 33 46.4–4.1 29.62S 177.31W 90–10 3.7,3.4
¶602390492
IDC Error ellipse: s-maj=68.4km s-min=26.5km az=87.0.
IDC XII 05 21 46 39.4–3.1 30.97S 177.55W 0 4.1,3.9
¶602037343
IDC Error ellipse: s-maj=72.9km s-min=29.6km az=108.0.
IDC XII 09 02 08 50.2–7.2 30.64S 178.76W 0 3.9,3.6
¶602390870
IDC Error ellipse: s-maj=293.2km s-min=59.8km az=156.0.
ISC XII 12 14 26 04.0–.68 30.03S–.05 177.9W–.10 200 81 1-163
WEL XII 12 14 25 58.3–1.0 30S–9.0 177W–22 187–15 **¶602090179**
IDC XII 12 14 26 03.2–.78 29.87S 178.34W 174–5 4.4,4.0
NEIC XII 12 14 26 04.6–.81 29.49S 178.57W 179–7 4.6b,4.0
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=33.7km s-min=16.0km az=129.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=12.3km az=145.0.
ISC XII 13 00 53 28.0–.25 30.89S–.04 178.22W–.05 36–2 5.5b,4.9s 897 2-174
NEIC XII 13 00 53 28.8–.71 30.91S 178.39W 39–6 5.5b,5.3W **¶602090183**
MOS XII 13 00 53 28.4–.96 30.80S 178.30W 44 5.6b,4.9s
WEL XII 13 00 53 28.0 30.91S 178.39W 39 6.0L,4.9s
ISCJB XII 13 00 53 29.9–.10 31.13S–.02 178.39W–.03 62 5.4b,4.9s
GCMT XII 13 00 53 30.8–.10 30.86S–.01 177.95W–.01 52–0 5.4W,4.9s
BJI XII 13 00 53 31.0 30.90S 178.30W 65 5.6b,5.3b
IDC XII 13 00 53 32.7–1.2 30.55S 178.22W 72–9 5.1,4.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=140.0. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.81 $M_{r\theta}$-0.10 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.08 Best double couple: NP1:ϕ_s29.00000°,δ45.00000°,λ81.00000°. NP2:ϕ_s221.00000° ,δ45.00000°,λ99.00000°. Principal axes: T 1.1900,Plg84.0000°,Azm216.0000° ; N 0.0500,Plg6.0000°,Azm35.0000°; P -1.2400,Plg0.0000°,Azm125.0000° $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=9.6km s-min=8.3km az=71.8.
WEL manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=35.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c154; s103,c160;Duration: 1$\hat{s}$2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.49±.03 $M_{\theta\theta}$-0.00±.02; $M_{\phi\phi}$-1.49±.02; $M_{r\theta}$-0.15±.02; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s197.00000°,δ45.00000°,λ98.00000°. NP2:ϕ_s6.00000°,δ45.00000°,λ82.00000°. Principal axes: T 1.5050,Plg84.0000° ,Azm191.0000°; N 0.0470,Plg6.0000°,Azm11.0000°; P -1.5540,Plg0.0000°,Azm281.0000° $M_0$1.53000×10^{17}
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=117.0.
ISC XII 13 02 50 55.7–.60 30.93S–.06 178.2W–.10 46 4.3b 46 2-162
ISCJB XII 13 02 50 55.5–.58 31.03S–.05 178.3W–.10 46 4.3b,3.2s **¶602090184**
NEIC XII 13 02 50 55.3–1.1 30.99S 178.14W 42–9 4.3b,3.2s
IDC XII 13 02 50 57.6–3.1 30.79S 178.23W 57–26 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=14.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.4km az=115.0.
IDC Error ellipse: s-maj=30.6km s-min=21.8km az=145.0.
ISC XII 14 08 31 21.9–.87 29.30S–.09 178.1W–.20 229–7 3.3b 31 0-150
WEL XII 14 08 31 17.4–1.6 30S–10 176W–28 199–18 3.3b **¶602090187**
ISCJB XII 14 08 31 21.0–.68 29.22S–.06 178.2W–.20 230–6 3.2b
IDC XII 14 08 31 21.8–.75 28.51S 178.45W 203–8 3.7,3.4
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=8.4km az=11.4.
IDC Error ellipse: s-maj=26.4km s-min=22.8km az=154.0.
ISC XII 15 18 01 37.5–2.4 30.93S–.10 177.5W–.40 27 3.7b 9 2-152
IDC XII 15 18 01 35.0–2.6 30.83S 177.58W 0 3.8,3.6 **¶602391400**
ISC Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=26.0km az=114.0.
IDC XII 15 21 13 53.3–2.9 30.63S 177.41W 0 3.8,3.6
¶602391421
IDC Error ellipse: s-maj=65.2km s-min=28.2km az=104.0.
IDC XII 16 03 22 24.4–3.1 30.40S 177.59W 0 3.9,3.7
¶602391440
IDC Error ellipse: s-maj=63.6km s-min=23.9km az=103.0.
IDC XII 17 14 34 07.8–10 30.19S 177.80W 0 3.7,3.5
¶602391546
IDC Error ellipse: s-maj=459.8km s-min=58.1km az=155.0.
IDC XII 17 14 38 10.8–3.1 30.56S 177.64W 0 3.8,3.7
¶602391548
IDC Error ellipse: s-maj=65.2km s-min=23.7km az=108.0.
IDC XII 17 15 43 18.2–4.9 29.66S 178.83W 0 3.9,3.7
¶602391550
IDC Error ellipse: s-maj=225.1km s-min=77.7km az=165.0.
ISC XII 17 22 26 29.5–1.7 30.80S–.09 177.6W–.30 27 4.0b 10 2-152
IDC XII 17 22 26 25.8–1.8 30.87S 177.46W 0 4.2,4.0 **¶602391575**
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=24.0km az=116.0.
IDC XII 17 23 14 29.4–4.5 29.59S 177.70W 0 4.0,3.8b
¶602391577
IDC Error ellipse: s-maj=179.9km s-min=70.0km az=159.0.
ISC XII 18 00 57 50.1–.53 30.60S–.06 177.6W–.10 33 4.5b 66 1-163
IDC XII 18 00 57 48.0–2.8 30.56S 177.84W 18–16 4.4,4.3 **¶602090197**
ISCJB XII 18 00 57 48.7–.50 30.65S–.07 177.8W–.10 33 4.8s,4.3b
NEIC XII 18 00 57 49.9–3.8 30.54S 177.76W 31–24 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=15.9km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=9.5km az=2.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.2km az=132.0.
IDC XII 19 18 49 18.3–4.7 29.96S 177.63W 0 3.6,3.5
¶602391679
IDC Error ellipse: s-maj=267.4km s-min=68.9km az=166.0.
IDC XII 19 18 59 36.8–4.7 29.60S 177.76W 0 3.6,3.4
¶602391680
IDC Error ellipse: s-maj=228.9km s-min=75.3km az=165.0.
ISC XII 20 06 06 29.7–.50 30.51S–.05 177.56W–.10 33 4.8b,4.0s 81 1-163
IDC XII 20 06 06 24.4–.72 30.46S 177.43W 0 4.5,4.4 **¶602052916**
ISCJB XII 20 06 06 28.7–.39 30.51S–.04 177.69W–.08 33 4.8b,4.0s
NEIC XII 20 06 06 29.9–.30 30.49S 177.58W 35 4.6b,4.0s
GCMT XII 20 06 06 29.0–.50 30.24S–.04 177.17W–.03 31–1 5.0W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c37; s58,c79;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.23±.29 $M_{\theta\theta}$-2.00±.20; $M_{\phi\phi}$-2.24±.17; $M_{r\theta}$-2.46±.25;

$M_{\theta\theta}$-1.32±.15; $M_{\theta r}$1.69±.20; Best double couple: NP1:ϕ_s249.00000°,δ55.00000°,λ120.00000°. NP2:ϕ_s24.00000°,δ45.00000°,λ55.00000°. Principal axes: T 5.6130,Plg65.0000° ,Azm217.0000°; N -2.1390,Plg24.0000°,Azm51.0000°; P -3.4830,Plg5.0000°,Azm318.0000° M_o4.54800×10^{16}

ISC XII 20 12 32 26.4–2.0 31.0S–.20 177.2W–.30 35 4.0b 9 9-152
IDC XII 20 12 32 21.6–2.0 30.99S 177.21W 0 4.0,3.9 **¶602391729**
ISCJB XII 20 12 32 24.5–5.2 31.1S–.10 177.2W–.80 33 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 20 12 51 41.4–.66 29.56S–.10 178.8W–.10 315 4.0b 27 1-164
IDC XII 20 12 51 40.3–.45 29.45S 178.97W 298–5 4.4,3.8 **¶602090213**
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=15.3km az=129.0.
ISC XII 20 23 30 22.9–.66 30.86S–.06 177.4W–.10 27 4.5b,3.7s 47 2-162
IDC XII 20 23 30 18.5–.75 30.60S 177.19W 0 4.5,4.3b **¶602090217**
ISCJB XII 20 23 30 22.7–1.1 31.01S–.07 177.6W–.20 27 4.4b,3.8s
NEIC XII 20 23 30 23.8–.61 30.85S 177.35W 35 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=19.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=9.8km az=8.5.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.7km az=104.0.
IDC XII 21 08 33 14.0–5.1 29.91S 177.90W 0 3.5,3.3
¶602391791
IDC Error ellipse: s-maj=295.7km s-min=71.6km az=166.0.
ISC XII 22 09 33 05.4–2.4 30.44S–.06 177.5W–.30 24 4.0b 29 1-145
WEL XII 22 09 33 01.7–1.4 30S–4.0 177W–15 33 5.0L **¶602391859**
ISCJB XII 22 09 33 03.0–1.5 30.53S–.03 177.6W–.30 24 3.8b
IDC XII 22 09 33 04.3–1.7 30.20S 177.45W 0 4.0,3.9b
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type ke. Error ellipse: s-maj=33.0km s-min=3.7km az=4.4.
IDC Error ellipse: s-maj=38.9km s-min=19.3km az=78.0.
IDC XII 22 22 07 17.4–7.6 30.33S 178.26W 0 3.6,3.4
¶602391892
IDC Error ellipse: s-maj=316.1km s-min=61.3km az=155.0.
IDC XII 25 02 21 23.8–5.4 29.05S 177.88W 0 3.5,3.5
¶602380561
IDC Error ellipse: s-maj=237.3km s-min=86.0km az=164.0.
ISC XII 25 19 48 12.1–.65 30.95S–.07 178.3W–.10 150 4.8b 121 2-162
ISCJB XII 25 19 48 10.1–.48 30.95S–.03 178.09W–.10 150 4.7b **¶602058911**
NEIC XII 25 19 48 10.8–1.1 31.02S 178.50W 112–10 4.9b
IDC XII 25 19 48 16.4–.86 30.37S 178.54W 160–12 4.7,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=3.5km az=11.5.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.5km az=113.0.
IDC Error ellipse: s-maj=23.6km s-min=17.6km az=36.0.
ISC XII 28 09 26 34.1–2.8 30.48S–.09 177.5W–.40 33 4.3b 8 1-145
IDC XII 28 09 26 30.8–2.9 30.51S 177.67W 0 4.2,4.1b **¶602380769**
ISCJB XII 28 09 26 32.6–4.0 30.54S–.08 177.6W–.60 33 4.1b,4.1b
ISC Event type ke.
ISCJB Event type ke.
IDC XII 28 22 50 51.7–7.9 30.34S 178.30W 0 3.6,3.4
¶602380803
IDC Error ellipse: s-maj=329.9km s-min=61.7km az=155.0.
IDC XII 29 02 53 39.5–7.8 30.53S 177.55W 0 3.6,3.4
¶602380815
IDC Error ellipse: s-maj=323.3km s-min=63.3km az=155.0.
ISC XII 30 18 11 37.8–.94 30.94S–.10 178.1W–.20 46 4.3b 17 2-162
IDC XII 30 18 11 31.4–1.1 31.04S 177.97W 0 4.4,4.3b **¶602090280**
ISCJB XII 30 18 11 36.5–1.2 31.0S–.10 178.2W–.20 46 4.3b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 31 16 59 31.9–.93 30.35S–.06 177.1W–.10 24 4.2b,4.0s 33 1-163
IDC XII 31 16 59 28.4–.96 30.26S 177.02W 0 4.3,4.1 **¶602342430**
NEIC XII 31 16 59 29.3–2.0 30.32S 177.10W 7–11 4.7b,4.1
ISCJB XII 31 16 59 30.0–1.1 30.46S–.04 177.1W–.20 24 4.1b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(179) South of Kermadec Islands.

IDC VII 01 12 01 10.6–3.3 33.50S 178.37W 0 3.9,3.7
¶601663359
IDC Error ellipse: s-maj=76.4km s-min=46.7km az=122.0.
ISC VII 01 17 28 24.1–1.7 33.3S–.10 179.7E–.20 300 3.3b 36 4-160
IDC VII 01 17 28 15.9–8.7 32.63S 179.71E 231–58 3.9,3.5 **¶601663367**
WEL VII 01 17 28 16.2–.81 33S–8.0 179W–20 309–10 3.9,3.5
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 01 17 38 43.5–3.2 33.20S 178.56W 0 4.0,3.8
¶601663368
IDC Error ellipse: s-maj=73.2km s-min=46.4km az=120.0.
ISC VII 01 23 45 48.7–.67 33.24S–.06 178.8W–.10 45 4.0b 54 4-160
IDC VII 01 23 45 43.6–1.1 33.10S 179.01W 0 4.5L,4.4 **¶601351249**
ISCJB VII 01 23 45 45.4–.68 33.28S–.05 178.7W–.20 45 4.0b,4.4
NEIC VII 01 23 45 45.4–.56 33.18S 179.15W 10 4.1b,4.4
WEL VII 01 23 45 46.8–.91 33S–8.0 179W–17 144–30 4.1b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 02 07 39 30.5–1.8 33.5S–.10 177.8W–.30 41 4.3b 43 4-148
ISCJB VII 02 07 39 29.0–1.1 33.48S–.07 178.0W–.20 41 4.3b,3.4s **¶601663395**
IDC VII 02 07 39 30.5–1.8 33.23S 178.66W 0 4.6,4.4
WEL VII 02 07 39 31.8–.94 33S–10 178W–25 33 4.8L,4.4
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 02 18 53 28.1–.56 33.49S–.06 179.24W–.09 100 4.6b 98 4-160
ISCJB VII 02 18 53 25.6–.60 33.63S–.04 179.1W–.10 100 4.5b **¶601505915**
IDC VII 02 18 53 26.9–1.5 33.36S 179.44W 82–13 4.5,4.4
WEL VII 02 18 53 27.0 33.39S 179.34W 87 4.5,4.4
NEIC VII 02 18 53 27.3–1.3 33.39S 179.34W 87–11 5.4b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=4.5km az=16.7.
IDC Error ellipse: s-maj=17.6km s-min=10.3km az=117.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.5km az=116.0.
IDC VII 03 21 09 05.1–3.0 33.89S 178.33W 0 3.7L,3.7
¶601663447
IDC Error ellipse: s-maj=76.4km s-min=35.9km az=124.0.
ISC VII 03 21 26 30.1–1.6 33.3S–.20 178.6W–.30 48 3.6b 7 4-152
ISCJB VII 03 21 26 28.5–2.0 33.4S–.10 178.6W–.30 48 3.5b **¶601663448**
IDC VII 03 21 26 36.8–7.2 33.56S 178.88W 93–58 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.7km s-min=16.3km az=16.6.
IDC Error ellipse: s-maj=51.5km s-min=30.9km az=50.0.
ISC VII 04 04 24 52.0–.41 32.71S–.05 178.79W–.08 61 4.8b 182 4-161
ISCJB VII 04 04 24 50.3–.25 32.74S–.03 179.07W–.06 50 4.7b,3.7s **¶601241269**
IDC VII 04 04 24 51.0–2.4 32.57S 179.00W 49–21 4.8L,4.5
NEIC VII 04 04 24 52.0–1.0 32.63S 179.08W 56–9 4.8b,4.5
WEL VII 04 04 24 52.0 32.63S 179.08W 56 5.7L,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.7km az=25.5.
IDC Error ellipse: s-maj=18.5km s-min=15.3km az=104.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.4km az=135.0.
WEL manual. confirmed.
WEL VII 05 17 38 14.0–.49 34S–6.0 179E–11 33 4.8L
¶605670996
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 07 11 58 36.9–1.8 32.3S–.10 179.3E–.30 300 3.3b 61 4-46
IDC VII 07 11 58 11.7–6.5 30.26S 178.42E 0 4.2,4.0 **¶605671019**
ISCJB VII 07 11 58 34.7–.56 32.09S–.06 179.2E–.10 300 3.3b,4.0
WEL VII 07 11 58 37.7–.65 33S–10 179W–23 299–11 3.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 07 23 48 09.4–.50 32.80S–.05 178.46W–.09 35 4.8b,4.0s 104 4-164
ISCJB VII 07 23 48 06.5–.63 32.99S–.04 178.4W–.10 35 4.8b,4.0s **¶601244190**
IDC VII 07 23 48 09.7–3.6 32.64S 178.51W 40–30 4.7L,4.4
BJI VII 07 23 48 20.2 33.71S 179.54W 88 5.1b,4.7s
WEL VII 07 23 48 21.0 33.46S 179.64W 83 5.1b,4.7s
NEIC VII 07 23 48 21.3–1.3 33.46S 179.64W 83–10 4.7b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.4km az=12.3.
IDC Error ellipse: s-maj=21.6km s-min=15.9km az=90.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.2km az=49.0.
IDC VII 08 05 08 29.3–3.0 32.93S 178.25W 0 3.8,3.6
¶601664276
IDC Error ellipse: s-maj=70.9km s-min=36.0km az=119.0.
WEL VII 09 14 58 17.0–.62 33S–7.0 179W–19 33 4.5L
¶605671047
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 09 19 59 24.6–3.2 33.26S 177.72W 0 4.1s,4.1
¶601664349
IDC Error ellipse: s-maj=74.0km s-min=33.8km az=116.0.
ISC VII 11 20 27 49.6–1.1 34.64S–.08 179.3W–.10 35 51 4-159
ISCJB VII 11 20 27 48.6–.92 34.63S–.05 179.3W–.10 35 4.0b,3.1s **¶601664447**
WEL VII 11 20 27 50.8–.81 35S–6.0 179W–10 33 4.7L,3.1s
IDC VII 11 20 27 55.9–6.6 35.06S 179.56W 86–53 4.2,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=6.6km az=13.9.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=50.5km s-min=35.4km az=38.0.
ISC VII 11 21 12 10.8–.68 32.32S–.07 179.9E–.10 400 3.7b 47 4-161
IDC VII 11 21 12 09.6–3.2 32.28S 179.83E 380–29 4.1,3.5 **¶601664450**
WEL VII 11 21 12 15.8–.83 32S–8.0 180E–18 309–14 4.1,3.5
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 12 05 06 58.1–.66 34.06S–.07 178.9W–.10 50 4.1b 101 4-159
IDC VII 12 05 06 52.0–.77 33.72S 179.21W 0 4.4L,4.2 **¶601505978**
ISCJB VII 12 05 06 56.1–.66 34.06S–.05 179.0W–.10 50 4.0b,3.2s
WEL VII 12 05 06 56.0–.61 34S–5.0 179W–11 33 4.9L,3.2s
NEIC VII 12 05 06 57.5–.49 33.79S 179.28W 35 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=23.9km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.0km az=19.9.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.0km az=122.0.
WEL VII 19 08 45 09.4–1.3 34S–29 179W–50 33 4.2L
¶605671237
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 19 10 53 14.7–3.3 33.11S 178.32W 0 3.8,3.6
¶601664831
IDC Error ellipse: s-maj=74.4km s-min=37.1km az=116.0.
IDC VII 20 00 01 00.9–3.2 34.70S 179.35W 0 4.3,4.1b
¶601664855
IDC Error ellipse: s-maj=73.7km s-min=36.7km az=119.0.
WEL VII 20 08 48 54.5–1.0 35S–11 179W–15 33 4.5L
¶605671245
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VII 21 02 54 57.8–1.2 35S–10 179W–15 5 4.4L
¶605671258
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 21 02 56 53.5–1.8 33.3S–.10 178.6W–.30 41 28 5-160
IDC VII 21 02 56 47.6–1.9 33.24S 178.48W 0 4.3,4.1b **¶601664899**
WEL VII 21 02 56 51.8–1.3 33S–32 178W–51 33 4.8L,4.1b
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VII 21 17 03 47.4–1.3 33.36S–.08 178.1W–.20 32 3.8b 49 4-160
NEIC VII 21 17 03 44.1–2.9 33.37S 178.16W 2–19 4.8b **¶601627827**
IDC VII 21 17 03 44.9–3.4 33.19S 178.28W 0 4.0,3.8
ISCJB VII 21 17 03 45.7–.83 33.45S–.05 178.1W–.20 32 4.1b,3.8
WEL VII 21 17 03 46.3–.97 33S–13 179W–33 12 4.5L,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 22 03 05 16.8–3.4 34.30S 179.14W 0 3.9,3.7
¶601664941
IDC Error ellipse: s-maj=76.8km s-min=37.3km az=116.0.
ISC VII 22 03 27 57.1–2.1 34.7S–.10 178.5W–.20 35 31 4-149
ISCJB VII 22 03 27 56.9–1.2 34.7S–.10 178.7W–.20 33 3.6b **¶601664942**
WEL VII 22 03 28 01.6–1.7 35S–23 179W–24 197–41 3.6b
IDC VII 22 03 28 03.9–5.5 32.29S 179.90E 0 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=9.6km az=28.4.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=209.2km s-min=62.8km az=159.0.
IDC VII 23 03 35 15.9–3.4 34.19S 179.12W 0 4.0s,4.0
¶601666295
IDC Error ellipse: s-maj=76.3km s-min=48.1km az=120.0.
ISC VII 25 00 40 03.4–.58 33.80S–.06 178.7W–.10 10 4.6b 81 4-162
ISCJB VII 25 00 40 02.8–.62 33.78S–.04 178.9W–.10 10 4.4b **¶601499048**
IDC VII 25 00 40 02.5–.77 33.70S 178.85W 0 4.6,4.5
WEL VII 25 00 40 02.6–.68 34S–6.0 179W–14 12 5.1L,4.5
NEIC VII 25 00 40 04.9–2.6 33.75S 178.88W 15–15 4.3b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=4.0km az=18.3.
IDC Error ellipse: s-maj=30.0km s-min=23.3km az=99.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.5km az=102.0.
ISC VII 25 06 28 20.6–1.2 33.7S–.20 178.8W–.20 41 4.1b 12 6-153
IDC VII 25 06 28 14.7–1.1 33.65S 178.63W 0 4.4,4.3 **¶601506049**
ISCJB VII 25 06 28 20.4–1.7 33.9S–.10 178.9W–.30 41 4.1b,3.5s
ISC Event type ke.
ISCJB Event type ke.
WEL VII 30 08 56 11.1–1.2 35S–17 179W–21 33 4.4L
¶605671452
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC VII 30 21 58 38.3–6.8 32.27S 178.88W 0 3.7,3.5
¶601650791
IDC Error ellipse: s-maj=292.6km s-min=64.0km az=159.0.
ISC VII 31 13 52 55.5–.48 33.26S–.05 178.99W–.10 45 4.5b,3.5s 130 4-160
IDC VII 31 13 52 49.4–.58 33.00S 179.19W 0 4.5,4.4 **¶601506095**
NEIC VII 31 13 52 51.0–.32 33.17S 179.11W 10 4.7b,4.4
WEL VII 31 13 52 52.8–.80 33S–8.0 179W–21 12 5.4L,4.4
ISCJB VII 31 13 52 54.2–.38 33.26S–.03 179.16W–.09 45 4.4b,3.5s
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se.
WEL VIII 01 09 30 33.8–.68 33S–9.0 180E–21 33 5.3L
¶606597552
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 02 10 54 33.2–2.1 33.3S–.20 178.5W–.30 32 4.1b 8 6-152
IDC VIII 02 10 54 28.5–2.2 33.11S 178.51W 0 4.4,4.2 **¶601765343**
ISCJB VIII 02 10 54 31.6–5.3 33.4S–.20 178.6W–.80 32 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 03 00 01 31.7–.86 33.74S–.07 178.3W–.10 37 4.3b,3.7s 72 4-154

IDC VIII 03 00 01 27.0–1.5 33.84S 178.48W 0 4.6,4.5 **¶601534024**
WEL VIII 03 00 01 27.1–.67 34S–6.0 179W–14 0 5.1L,4.5
ISCJB VIII 03 00 01 29.6–.67 33.80S–.05 178.4W–.10 37 4.3b,3.6s
NEIC VIII 03 00 01 29.4–3.7 33.81S 178.49W 15–23 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=28.4km az=145.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=4.2km az=22.8.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.0km az=119.0.
IDC VIII 05 11 41 40.9–6.2 34.64S 178.06E 0 3.9,3.6
¶601765493
IDC Error ellipse: s-maj=276.1km s-min=62.9km az=166.0.
IDC VIII 06 21 24 17.7–1.9 33.04S 179.09W 0 4.0,3.9
¶601765575
IDC Error ellipse: s-maj=50.0km s-min=37.3km az=67.0.
IDC VIII 08 10 46 08.8–2.9 32.88S 178.38W 0 4.2,4.2L
¶601765650
IDC Error ellipse: s-maj=67.5km s-min=43.8km az=126.0.
ISC VIII 10 19 39 21.2–.80 33.40S–.06 178.42W–.10 41 4.5b 107 4-160
ISCJB VIII 10 19 39 18.9–.66 33.38S–.04 178.3W–.10 41 4.4b **¶601551763**
IDC VIII 10 19 39 18.1–.89 33.01S 178.86W 0 4.5,4.5
NEIC VIII 10 19 39 20.0–1.2 33.55S 178.45W 35 4.5b,4.5
WEL VIII 10 19 39 21.4–.87 33S–7.0 178W–18 33 5.1L,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 12 17 19 27.9–1.3 33S–10 179E–29 33 4.4L
¶606597696
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 15 16 08 01.9–1.1 33.53S–.10 178.7W–.10 10 4.1b 50 5-153
IDC VIII 15 16 08 00.7–1.0 33.25S 178.83W 0 4.2,4.2L **¶601667488**
NEIC VIII 15 16 08 02.3–.60 33.34S 178.89W 10 4.1b,4.2L
WEL VIII 15 16 08 46.3 36S–43 179E–999 123–22 4.1b,4.2L
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/iaspei91. automatic. confirmed.
ISC VIII 16 01 38 41.8–.76 33.63S–.08 179.4E–.10 35 4.5b,3.9s 33 5-160
IDC VIII 16 01 38 36.1–.95 33.52S 179.73E 0 4.7,4.5 **¶601615445**
ISCJB VIII 16 01 38 40.6–.61 33.68S–.06 179.4E–.10 33 4.5b,3.8s
NEIC VIII 16 01 38 43.9–2.5 33.85S 179.43E 54–21 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=26.7km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.6km az=20.4.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=15.4km az=213.0.
ISC VIII 17 05 06 15.8–1.8 34.5S–.10 178.2E–.20 35 3.8b 32 3-148
IDC VIII 17 05 06 20.0–7.6 34.96S 179.10E 130–74 3.9,3.7 **¶601564869**
NEIC VIII 17 05 06 23.1–.00 34.75S 178.19E 33 4.5L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=47.6km az=2.0.
NEIC Event type se. After WEL.
IDC VIII 17 17 11 30.9–7.9 34.91S 178.87E 188–83 3.4,3.1
¶601766005
IDC Error ellipse: s-maj=101.0km s-min=49.4km az=0.0.
ISC VIII 18 10 40 08.3–.82 32.5S–.10 178.8W–.20 35 3.9b 14 3-161
IDC VIII 18 10 40 02.7–1.1 32.47S 178.73W 0 4.2,4.0 **¶601565856**
ISCJB VIII 18 10 40 06.9–.69 32.45S–.07 179.0W–.20 35 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 18 11 31 22.9–2.9 32.10S 178.30W 0 4.2,4.0
¶601766052
IDC Error ellipse: s-maj=67.7km s-min=43.9km az=122.0.
ISC VIII 19 01 52 59.0–2.6 32.7S–.10 177.8W–.40 20 4.0b 8 3-147
IDC VIII 19 01 52 56.2–2.9 32.70S 177.76W 0 4.2,4.0 **¶601766128**
ISCJB VIII 19 01 52 57.2–3.5 32.8S–.20 177.9W–.60 20 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 19 16 39 35.5–1.4 34.7S–.20 178.9W–.20 35 4.0b 17 4-149
IDC VIII 19 16 39 30.8–3.2 34.42S 178.93W 0 4.1,3.9 **¶601652998**
NEIC VIII 19 16 39 39.7–3.2 35.07S 178.90W 79–32 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=73.8km s-min=46.0km az=127.0.
NEIC Event type se. Error ellipse: s-maj=41.9km s-min=15.6km az=184.0.
ISC VIII 20 01 58 39.6–.67 34.30S–.09 179.3E–.10 150 4.2b 29 4-159
ISCJB VIII 20 01 58 38.1–.69 34.31S–.08 179.2E–.10 150 4.0b **¶601734395**
NEIC VIII 20 01 58 39.2–3.0 34.21S 179.39E 158–25 4.2b
IDC VIII 20 01 58 41.7–3.3 34.11S 179.35E 179–27 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=0.6.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=20.6km az=223.0.
IDC Error ellipse: s-maj=24.2km s-min=14.4km az=49.0.
ISC VIII 20 17 00 47.6–.67 33.24S–.08 179.4E–.10 250 3.8b 16 5-147
ISCJB VIII 20 17 00 47.3–.68 33.30S–.08 179.3E–.10 250 3.7b **¶601766205**
IDC VIII 20 17 00 47.9–1.6 33.28S 179.35E 248–14 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=10.3km az=13.0.
IDC Error ellipse: s-maj=13.5km s-min=13.3km az=32.0.
ISC VIII 21 02 34 12.4–1.1 32.1S–.10 179.5E–.20 400 3.6b 14 6-161
IDC VIII 21 02 34 05.5–4.4 31.68S 179.89E 338–39 4.1,3.5 **¶601766232**
ISCJB VIII 21 02 34 12.3–2.2 32.1S–.10 179.4E–.40 400 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 21 21 57 50.8–2.0 32.84S 178.90W 0 4.2,4.1
¶601766275
IDC Error ellipse: s-maj=48.6km s-min=34.1km az=61.0.
ISC VIII 24 10 01 55.0–.46 33.26S–.04 179.21W–.04 48–3 5.5b,5.1s 1174 4-175
BJI VIII 24 10 01 51.9 33.30S 179.40W 34 5.8b,5.4b **¶601615825**
ISCJB VIII 24 10 01 52.6–.11 33.37S–.03 179.49W–.03 33 5.4b,5.1s
NEIC VIII 24 10 01 53.9–.62 33.44S 179.53W 38–5 5.8W,5.6W
MOS VIII 24 10 01 53.1–.87 33.20S 179.47W 36 5.7b,5.1s
NEIC VIII 24 10 01 55.0–.00 33.05S 179.19W 45 5.7b,5.1s
IDC VIII 24 10 01 55.8–1.2 33.17S 179.34W 53–9 5.3,5.1
GCMT VIII 24 10 01 56.9–.10 33.32S–.01 179.17W–.01 54–0 5.6W,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}5.28 $M_{\theta\theta}$-3.58 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.03 $M_{\theta\phi}$3.27 $M_{\phi r}$0.32 Best double couple: NP1:ϕ_s124.00000° ,δ44.00000°,λ86.00000°. NP2:ϕ_s310.00000°,δ46.00000°,λ94.00000°. Principal axes: T 5.2900,Plg87.0000°,Azm287.0000°; N 0.7500,Plg3.0000°,Azm127.0000° ; P -6.0400,Plg1.0000°,Azm37.0000° $M_0$5.70000×10^{17}
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}3.02 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.94 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.98 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s11.00000° ,δ60.00000°,λ83.00000°. NP2:ϕ_s204.00000°,δ30.00000°,λ101.00000°. Principal axes: T 3.5400,Plg73.0000°,Azm264.0000°; N 0.1900,Plg5.0000°,Azm14.0000° ; P -3.7400,Plg15.0000°,Azm105.0000° $M_0$3.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c237; s129,c301; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.93±.04 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$-2.70±.03; $M_{r\theta}$0.16±.03; $M_{\theta\phi}$-0.99±.03; $M_{\phi r}$1.28±.03; Best double couple: NP1:ϕ_s14.00000°,δ57.00000° ,λ84.00000°. NP2:ϕ_s205.00000°,δ34.00000°,λ99.00000°. Principal axes: T 3.2080,Plg78.0000°,Azm265.0000°; N 0.0970,Plg5.0000°,Azm18.0000° ; P -3.3050,Plg11.0000°,Azm108.0000° $M_0$3.25700×10^{17}
ISC VIII 24 12 32 38.1–.55 33.45S–.07 179.3W–.10 55 4.6b,3.6s 39 4-160
NEIC VIII 24 12 32 34.9–.65 33.59S 179.02W 35 4.5b,3.6s **¶601645487**
ISCJB VIII 24 12 32 37.4–.56 33.39S–.07 179.4W–.10 55 4.6b,3.5s
IDC VIII 24 12 32 42.6–3.3 33.27S 179.26W 95–27 4.5,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=10.8km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.3km az=20.4.
IDC Error ellipse: s-maj=22.4km s-min=18.7km az=175.0.
IDC VIII 24 15 41 57.4–2.2 32.57S 178.69W 65–19 4.2,4.1
¶601766403
IDC Error ellipse: s-maj=50.9km s-min=11.7km az=112.0.
ISC VIII 25 16 09 22.4–.74 33.77S–.09 179.3W–.20 50 4.0b,4.0s 24 5-159
IDC VIII 25 16 09 15.3–.72 33.77S 179.22W 0 4.2,4.1 **¶601766451**
ISCJB VIII 25 16 09 20.5–.82 33.76S–.07 179.3W–.20 50 4.0b,3.9s
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 27 08 21 46.5–1.9 32.13S 178.32W 308–14 4.1,3.6
¶601766556
IDC Error ellipse: s-maj=40.9km s-min=21.1km az=145.0.
IDC IX 04 00 54 51.5–3.3 34.84S 179.46W 0 4.3,4.1
¶601862896
IDC Error ellipse: s-maj=75.9km s-min=47.3km az=123.0.
WEL IX 04 06 43 33.2–1.1 35S–6.0 179E–15 12 4.7L
¶606597750
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 08 07 40 01.0–.34 32.98S–.05 178.77W–.07 45 5.0b 247 4-172
WEL IX 08 07 39 56.0–.76 33S–6.0 178W–14 120–35 5.0b **¶601696930**
ISCJB IX 08 07 39 58.9–.19 32.98S–.03 179.03W–.05 33 4.9b
NEIC IX 08 07 39 58.5–2.0 33.13S 178.88W 28–14 5.0b
IDC IX 08 07 40 13.2–5.5 32.93S 179.19W 144–46 4.7,4.4
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=2.5km az=26.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=108.0.
IDC Error ellipse: s-maj=21.8km s-min=13.2km az=67.0.
ISC IX 09 23 51 47.0–.89 33.0S–.10 179.0W–.20 35 4.1b 16 6-160
IDC IX 09 23 51 42.1–1.6 32.97S 178.73W 0 4.3,4.1 **¶601737015**
NEIC IX 09 23 51 43.5–.42 32.97S 178.75W 10 4.1b,4.1
ISCJB IX 09 23 51 46.1–.83 33.10S–.08 179.0W–.20 35 4.2b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 11 08 05 54.6–3.2 33.13S 178.99W 0 3.8,3.6
¶601863341
IDC Error ellipse: s-maj=70.8km s-min=46.7km az=114.0.
ISC IX 11 10 13 02.0–1.3 32.82S–.08 178.8W–.20 250 3.4b 50 4-44
IDC IX 11 10 13 00.2–10 31.93S 177.76E 0 4.1,3.9 **¶606597787**
ISCJB IX 11 10 13 01.7–.68 32.77S–.06 178.9W–.20 250 3.5b,3.9
WEL IX 11 10 13 02.2–.63 33S–8.0 179W–17 266–12 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC IX 11 19 20 03.0–3.2 33.06S 179.09W 0 3.6,3.4
¶601863370
IDC Error ellipse: s-maj=71.6km s-min=36.8km az=109.0.
ISC IX 12 01 04 04.5–.80 33.42S–.07 179.3W–.10 100 4.2b 70 4-160
ISCJB IX 12 01 04 00.9–.67 33.43S–.06 179.3W–.20 100 4.1b **¶601712679**
WEL IX 12 01 04 01.3–.60 34S–6.0 179W–14 162–14 4.1b
IDC IX 12 01 04 05.3–6.7 33.25S 179.83W 89–53 4.4L,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=4.8km az=19.5.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=49.2km s-min=24.5km az=52.0.
ISC IX 12 02 38 38.7–1.4 33.92S–.08 178.8W–.10 35 55 4-148
IDC IX 12 02 38 34.6–3.2 33.64S 179.24W 0 4.5L,3.9 **¶601863395**
ISCJB IX 12 02 38 38.1–.83 33.93S–.06 178.9W–.10 35 3.3b,3.9
WEL IX 12 02 38 40.6–.71 34S–7.0 179W–11 131–32 3.3b,3.9
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 12 11 13 59.2–1.5 32.2S–.20 178.4W–.30 35 9 7-147
IDC IX 12 11 13 52.9–3.0 32.19S 178.14W 0 4.1,3.9 **¶601863412**
ISCJB IX 12 11 13 58.3–1.2 32.3S–.10 178.4W–.20 35 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 19 37 34.3–1.2 33.2S–.10 179.2W–.20 48 12 6-160
ISCJB IX 13 19 37 34.3–1.2 33.3S–.10 179.3W–.20 48 4.0b,2.9s **¶601863480**
IDC IX 13 19 37 38.2–7.4 33.47S 179.17W 82–60 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.4km s-min=14.3km az=21.1.
IDC Error ellipse: s-maj=51.1km s-min=34.8km az=41.0.
ISC IX 13 23 03 36.9–.76 32.16S–.09 178.9W–.20 35 4.2b 15 3-150
ISCJB IX 13 23 03 34.6–.68 32.24S–.07 178.8W–.20 35 4.1b **¶601738690**
NEIC IX 13 23 03 37.3–.86 32.17S 178.80W 44–9 4.4b
IDC IX 13 23 03 38.1–2.6 32.04S 178.89W 44–25 4.3L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=6.3km az=22.9.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.2km az=118.0.
IDC Error ellipse: s-maj=35.1km s-min=24.1km az=110.0.
ISC IX 15 06 47 03.0–1.0 33.55S–.07 178.8W–.10 48 3.3s 42 4-160
IDC IX 15 06 46 56.8–1.9 33.30S 178.99W 0 4.0,4.0L **¶601740156**
ISCJB IX 15 06 47 01.2–.76 33.54S–.05 178.9W–.20 48 3.5b,3.4s
WEL IX 15 06 47 03.4–.79 34S–7.0 179W–14 33 5.0L,3.4s
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC IX 15 11 28 53.1–3.0 32.87S 178.43W 0 4.1,4.0
¶601863583
IDC Error ellipse: s-maj=69.7km s-min=43.9km az=127.0.
IDC IX 15 21 52 24.0–3.0 32.27S 178.81W 0 3.9,3.7
¶601863609
IDC Error ellipse: s-maj=68.7km s-min=46.0km az=115.0.
ISC IX 16 08 05 49.3–1.3 32.14S–.09 179.2W–.20 96 3.8b 43 3-150
IDC IX 16 08 05 39.8–2.6 31.26S 179.66W 0 4.4L,4.1 **¶601719485**
WEL IX 16 08 05 56.0–.77 33S–10 179W–26 33 5.0L,4.1
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 18 01 41 51.3–.70 32.64S–.05 179.7W–.10 300 3.9b 76 4-161
ISCJB IX 18 01 41 50.4–.37 32.55S–.04 179.9W–.10 300 3.8b **¶601863743**
WEL IX 18 01 41 51.6–.54 33S–6.0 179W–13 285–11 3.8b
IDC IX 18 01 41 51.8–.94 32.35S 179.73E 275–11 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=3.6km az=22.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.5km s-min=12.4km az=111.0.
ISC IX 18 06 12 06.3–.77 32.22S–.10 178.3W–.20 45 4.4b,3.6s 29 7-147
IDC IX 18 06 11 59.8–1.0 32.13S 178.16W 0 4.3,4.2b **¶601740163**
ISCJB IX 18 06 12 05.0–.57 32.17S–.09 178.3W–.10 45 4.3b,3.6s
NEIC IX 18 06 12 05.0–.52 32.20S 178.21W 35 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=25.2km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=12.9km az=25.5.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.6km az=140.0.
IDC IX 19 12 38 04.0–6.2 32.17S 179.94W 0 3.7,3.5
¶601863827
IDC Error ellipse: s-maj=248.7km s-min=62.6km az=159.0.
ISC IX 19 19 37 58.9–2.8 33.0S–.10 180.0W–.30 450 61 5-147
IDC IX 19 19 36 45.7–4.8 32.35S 175.46W 0 3.8,3.6 **¶606597817**
WEL IX 19 19 38 00.3–.93 33S–16 180W–29 442–15 3.8,3.6
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL IX 22 00 41 58.6–1.6 33S–33 179W–74 33 4.1L
¶606597827
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 23 11 21 39.6–1.2 32.65S–.09 179.8W–.20 300 47 4-152
WEL IX 23 11 21 35.0–.50 32S–7.0 180W–16 33 5.1L **¶601864035**
IDC IX 23 11 21 39.0–7.5 32.66S 179.78W 291–76 3.9,3.4
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=86.2km s-min=29.5km az=9.0.

IDC IX 24 14 11 04.1–3.0 32.26S 178.25W 0 3.9,3.7s
¶601864099

IDC Error ellipse: s-maj=71.1km s-min=45.5km az=121.0.
IDC IX 25 00 07 59.2–7.5 34.67S 179.46E 224–73 3.7,3.4
¶601864124

IDC Error ellipse: s-maj=97.0km s-min=40.5km az=9.0.
WEL IX 25 13 00 30.3–.96 32S–5.0 178W–17 33 4.6L
¶606597845

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 26 05 24 42.3–.39 32.28S–.05 178.00W–.08 20 4.9b,4.2s 274 3-164
WEL IX 26 05 24 37.6–.90 32S–4.0 177W–13 33 5.8L,4.2s ¶604029879
ISCJB IX 26 05 24 41.1–.25 32.43S–.03 178.13W–.06 20 4.8b,4.3s
MOS IX 26 05 24 42.5–1.4 32.01S 178.26W 20 5.0b,4.2s
BJI IX 26 05 24 43.1 32.01S 177.76W 35 5.3b,5.2b
IDC IX 26 05 24 44.1–2.6 32.06S 178.09W 26–16 5.2L,4.7
NEIC IX 26 05 24 44.7–.22 32.45S 178.12W 35 4.9b,4.7
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.9km az=23.8.
MOS Error ellipse: s-maj=13.6km s-min=11.0km az=88.1.
IDC Error ellipse: s-maj=18.8km s-min=14.6km az=100.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=129.0.
IDC IX 27 00 40 50.2–3.2 32.33S 178.06W 0 3.8,3.6
¶601864251

IDC Error ellipse: s-maj=73.1km s-min=37.0km az=114.0.
ISC IX 27 22 14 13.6–1.1 33.5S–.10 179.7E–.10 350 3.6b 58 4-96
IDC IX 27 22 14 03.9–4.3 32.62S 179.58E 245–37 4.1,3.8 ¶601864314
WEL IX 27 22 14 09.9–.84 34S–16 180W–24 353–14 4.1,3.8
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC IX 28 09 22 31.8–.52 32.79S–.08 178.8W–.10 35 4.7b,3.7s 72 4-160
NEIC IX 28 09 22 30.6–2.5 32.94S 178.62W 29–17 4.7b,3.7s ¶601783178
WEL IX 28 09 22 30.0 32.94S 178.62W 29 5.0L,3.7s
ISCJB IX 28 09 22 31.0–.41 32.85S–.05 178.87W–.10 35 4.8b,3.7s
IDC IX 28 09 22 34.0–6.3 32.84S 178.72W 54–54 4.6,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.9km az=108.0.
WEL manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.4km az=22.2.
IDC Error ellipse: s-maj=39.1km s-min=28.9km az=28.0.
ISC IX 28 21 26 24.2–1.3 33.70S–.09 178.7W–.20 48 3.8b 41 4-160
IDC IX 28 21 26 19.1–1.9 33.57S 179.03W 0 4.2L,4.1 ¶601864369
ISCJB IX 28 21 26 21.9–.88 33.71S–.06 178.7W–.20 48 3.8b,3.4s
WEL IX 28 21 26 23.3–.81 34S–9.0 179W–20 33 4.9L,3.4s
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL IX 30 08 45 08.7–1.2 34S–9.0 179E–16 12 3.9L
¶606597872

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL X 02 18 59 04.7–.53 34S–7.0 180W–16 33 4.7L
¶606594576

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 07 03 04 31.2–.98 32.61S–.08 179.9W–.10 250 3.5b 57 4-147
IDC X 07 03 04 32.6–8.1 32.84S 179.96W 269–86 4.1,3.5 ¶601997334
WEL X 07 03 04 34.7–.46 33S–6.0 180W–14 12 4.8L,3.5
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 07 13 45 39.4–.70 34.55S–.07 179.5W–.10 61 4.3b 97 4-161
IDC X 07 13 45 31.3–.99 34.23S 179.46W 0 4.4,4.3 ¶601836635
NEIC X 07 13 45 32.5–.53 34.51S 179.51W 10 4.2b,4.3
ISCJB X 07 13 45 38.8–.66 34.55S–.04 179.6W–.10 61 4.2b,4.3
WEL X 07 13 45 43.4–.99 35S–6.0 180W–11 33 4.7L,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 07 20 10 44.8–7.2 32.46S 179.59W 128–57 3.8,3.5
¶601997413

IDC Error ellipse: s-maj=56.6km s-min=32.7km az=41.0.
IDC X 10 07 09 30.1–5.5 32.63S 179.59W 98–48 4.2,4.1
¶601838007

IDC Error ellipse: s-maj=37.2km s-min=25.3km az=18.0.
ISC X 10 14 13 40.8–1.9 32.4S–.10 179.4W–.20 35 4.1b,3.5s 16 6-147
IDC X 10 14 13 36.0–2.8 32.20S 179.41W 0 4.1,4.0b ¶601839066
NEIC X 10 14 13 37.2–1.0 32.33S 179.37W 10 4.5b,4.0b
ISCJB X 10 14 13 40.1–2.8 32.51S–.08 179.6W–.40 33 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 10 15 30 35.0–1.8 32.2S–.10 179.5W–.20 35 4.1b 15 6-146
IDC X 10 15 30 26.4–2.9 32.09S 178.68W 0 4.4,4.2b ¶601839067
NEIC X 10 15 30 28.2–1.6 32.10S 178.79W 10 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=68.9km s-min=45.2km az=119.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=14.7km az=94.0.
IDC X 12 02 45 50.6–3.3 34.27S 179.16W 0 4.2,4.2L
¶601997951

IDC Error ellipse: s-maj=76.4km s-min=47.1km az=122.0.
WEL X 13 15 05 30.7–1.6 33S–17 180W–38 12 4.6L
¶606594720

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC X 13 22 54 57.7–2.1 32.7S–.10 176.0W–.30 35 4.2b 16 4-148
ISCJB X 13 22 54 55.1–1.7 32.8S–.10 176.0W–.30 33 4.3s,4.2b ¶601839925
NEIC X 13 22 54 55.2–4.3 32.71S 176.02W 17–26 4.2b,4.2b
IDC X 13 22 55 10.5–3.0 32.58S 178.63W 0 4.2,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.5km s-min=12.0km az=22.4.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=8.5km az=113.0.
IDC Error ellipse: s-maj=70.0km s-min=46.1km az=120.0.
ISC X 17 06 49 15.9–.83 32.98S–.07 178.2W–.10 34 4.4b 66 4-160
IDC X 17 06 49 11.9–1.1 32.84S 178.47W 0 4.4,4.3 ¶601874169
ISCJB X 17 06 49 12.6–.97 33.04S–.05 178.1W–.20 34 4.5b,3.5s
WEL X 17 06 49 13.9–.80 33S–6.0 178W–14 33 5.0L,3.5s
NEIC X 17 06 49 17.4–.45 32.96S 178.57W 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=27.6km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=5.1km az=14.9.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.6km az=108.0.
IDC X 17 12 59 26.6–3.0 32.76S 178.54W 0 4.0,3.8
¶601998665

IDC Error ellipse: s-maj=70.2km s-min=45.5km az=122.0.
WEL X 19 08 23 10.2–1.2 35S–9.0 179W–14 5 4.4L
¶606594812

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 19 17 31 07.4–2.8 32.30S 178.88W 0 4.2,3.9
¶601998959

IDC Error ellipse: s-maj=64.6km s-min=43.8km az=119.0.
IDC X 20 20 12 04.1–9.7 32.36S 179.46W 225–99 3.7,3.3
¶601999081

IDC Error ellipse: s-maj=100.3km s-min=42.7km az=2.0.
WEL X 22 16 10 03.6–1.2 33S–18 180E–23 282–46
¶606594860

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 31 06 46 18.3–9.4 32.46S 178.94E 158–96 3.9,3.8
¶602000588

IDC Error ellipse: s-maj=83.7km s-min=29.3km az=3.0.
ISC XI 03 03 31 43.5–1.6 32.99S–.10 177.9W–.20 34 4.3b 40 4-154
IDC XI 03 03 31 39.6–2.1 32.86S 177.98W 0 4.4,4.2 ¶602388753
WEL XI 03 03 31 45.1–.81 33S–15 179W–37 133–32 4.4,4.2
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 04 07 33 43.7–.66 32.68S–.07 178.5W–.10 33 4.5b,3.1s 45 3-161
IDC XI 04 07 33 39.6–1.3 32.47S 178.61W 0 4.6,4.4 ¶602031615
NEIC XI 04 07 33 43.5–.55 32.64S 178.49W 35 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=25.6km az=88.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.4km az=108.0.
IDC XI 05 05 19 33.8–3.2 32.82S 178.32W 0 4.1,3.9
¶602388841

IDC Error ellipse: s-maj=70.7km s-min=51.9km az=112.0.
IDC XI 07 01 27 50.2–2.0 32.39S 178.59W 0 4.0,3.8
¶602388937

IDC Error ellipse: s-maj=48.1km s-min=42.6km az=52.0.
WEL XI 09 22 02 30.3–1.3 35S–8.0 179E–18 33 4.2L
¶606794274

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 10 17 17 32.6–7.7 32.34S 179.70E 443–95 3.6,3.0
¶602389168

IDC Error ellipse: s-maj=110.7km s-min=37.4km az=7.0.
IDC XI 11 14 27 08.8–2.9 33.48S 178.70W 0 3.8,3.6
¶602389224

IDC Error ellipse: s-maj=69.2km s-min=35.6km az=118.0.
ISC XI 11 18 39 10.4–1.6 33.93S–.10 179.8W–.20 200 86 4-159
ISCJB XI 11 18 39 07.2–.83 33.81S–.06 179.7W–.20 200 3.2b ¶602389231
IDC XI 11 18 39 07.7–6.7 33.58S 179.81E 158–52 3.8,3.5
WEL XI 11 18 39 11.8–.86 34S–14 180W–18 255–23 3.8,3.5
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XI 12 12 41 04.0–.82 32S–6.0 179E–14 33 4.6L
¶606794291

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 13 06 48 05.8–.95 32.70S–.07 178.5W–.20 33 40 3-151
IDC XI 13 06 48 05.4–4.3 32.04S 178.96W 0 4.7,4.4 ¶601991849
WEL XI 13 06 48 07.3–.79 33S–7.0 178W–20 33 5.0L,4.4
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 16 14 01 34.8–.88 32.76S–.06 177.6W–.10 21 4.2b 66 3-160
WEL XI 16 14 01 30.3–.79 33S–4.0 178W–12 0 5.3L ¶601992257
ISCJB XI 16 14 01 31.8–.73 32.71S–.04 177.9W–.20 21 4.0b,3.6s
IDC XI 16 14 01 33.6–1.1 32.67S 177.69W 0 4.4,4.4L
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=3.0km az=17.2.
IDC Error ellipse: s-maj=37.2km s-min=25.1km az=163.0.
WEL XI 17 13 48 09.8–.58 33S–9.0 180W–22 33 4.6L
¶606794311

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 24 20 31 49.0–.60 33.47S–.05 178.7W–.10 48 4.4b 64 4-160
ISCJB XI 24 20 31 43.7–.97 33.36S–.10 178.6W–.30 48 4.5b,3.1s ¶601994208
IDC XI 24 20 31 44.7–.87 33.43S 178.49W 0 4.5,4.5L
WEL XI 24 20 31 46.5–.00 33S–14 179W–35 33 4.9L,4.5L
NEIC XI 24 20 31 52.5–.69 34.01S 178.82W 55 4.5b,4.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.4km s-min=4.1km az=21.1.
IDC Error ellipse: s-maj=34.8km s-min=27.9km az=77.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.0km az=111.0.
ISC XI 26 23 10 45.8–1.4 33.5S–.20 178.8W–.20 41 4.0b 8 6-160
IDC XI 26 23 10 39.1–1.5 33.38S 178.62W 0 4.3,4.1 ¶602390009
ISCJB XI 26 23 10 45.5–1.8 33.6S–.10 179.0W–.30 41 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC XI 27 10 20 26.7–2.6 33.23S 178.26W 0 4.0,3.8
¶602390055

IDC Error ellipse: s-maj=68.7km s-min=43.7km az=131.0.
ISC XI 27 10 51 02.8–2.1 33.5S–.20 178.5W–.30 41 4.2b 15 4-148
IDC XI 27 10 50 57.4–2.2 33.25S 178.51W 0 4.3,4.2 ¶602311678
ISCJB XI 27 10 51 00.5–3.2 33.5S–.10 178.4W–.50 41 4.1b,4.2
NEIC XI 27 10 51 02.4–1.7 33.44S 178.55W 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=43.6km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=58.3km s-min=11.7km az=10.2.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=12.5km az=96.0.
ISC XI 27 11 00 27.3–.90 33.46S–.06 178.3W–.10 34 4.6b,3.2s 97 4-160
ISCJB XI 27 11 00 23.3–.74 33.48S–.05 178.1W–.10 34 4.5b,3.3s ¶602216523
IDC XI 27 11 00 24.0–1.1 33.61S 178.44W 0 4.6,4.5
WEL XI 27 11 00 25.9–.93 33S–7.0 178W–20 33 4.8L,4.5
NEIC XI 27 11 00 25.2–1.4 33.55S 178.15W 35 4.6b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=3.5km az=17.9.
IDC Error ellipse: s-maj=35.0km s-min=25.5km az=133.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=10.3km az=107.0.
ISC XI 28 00 56 19.6–.67 33.65S–.06 178.3W–.10 41 4.4b,3.6s 110 4-160
IDC XI 28 00 56 14.3–1.1 33.70S 178.32W 0 4.6,4.5 ¶601994922
ISCJB XI 28 00 56 18.0–.65 33.74S–.04 178.4W–.10 41 4.3b,3.6s
WEL XI 28 00 56 17.4–.89 33S–8.0 178W–19 33 5.0L,3.6s
NEIC XI 28 00 56 18.7–2.2 33.73S 178.38W 28–14 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=27.0km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=3.9km az=19.7.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=94.0.
ISC XI 30 02 58 16.3–1.0 32.43S–.09 179.5E–.20 350 47 4-146
IDC XI 30 02 58 16.5–8.1 32.46S 179.62E 334–93 3.7,3.2 ¶602390215
WEL XI 30 02 58 24.8–1.1 33S–23 179E–43 320–41 3.7,3.2
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 02 07 15 33.9–3.0 32.66S 178.53W 0 3.9,3.7
¶602390333

IDC Error ellipse: s-maj=72.3km s-min=45.1km az=122.0.
WEL XII 03 03 57 03.3–.51 33S–6.0 180W–12 33 4.9L
¶606818732

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 03 09 10 54.1–1.3 33S–12 180W–34 33 4.5L
¶606818733

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 04 23 12 20.5–.45 33.80S–.05 178.67W–.08 37 4.9b,3.8s 139 4-162
WEL XII 04 23 12 15.1–1.0 34S–8.0 178W–19 33 5.2L,3.8s ¶602090148
IDC XII 04 23 12 15.6–.71 33.74S 178.76W 0 4.8,4.7
NEIC XII 04 23 12 17.3–.64 33.84S 178.71W 15–3 4.9b,4.7
ISCJB XII 04 23 12 18.6–.53 33.83S–.04 178.74W–.09 37 4.8b,3.9s
BJI XII 04 23 12 24.3 34.28S 178.95W 75 5.1b,5.0b
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.7km s-min=19.6km az=110.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.2km az=16.2.
WEL XII 08 10 53 10.1–1.2 34S–23 178W–32 33 4.4L
¶606818758

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 08 12 56 30.1–2.3 33.9S–.10 178.3W–.30 37 3.7b 29 5-148
ISCJB XII 08 12 56 27.9–1.4 33.89S–.10 178.2W–.20 37 3.6b ¶602390815
IDC XII 08 12 56 29.1–3.2 33.63S 178.93W 0 4.1L,3.9
WEL XII 08 12 56 30.0–1.3 34S–29 178W–37 33 4.4L,3.9
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 09 20 27 15.0–3.1 33.64S 178.82W 0 3.8,3.8L

¶602390925

IDC Error ellipse: s-maj=73.2km s-min=46.0km az=121.0.
WEL XII 10 11 05 46.5–.58 33S–6.0 179W–11 33 5.1L

¶606818764

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 11 15 23 19.7–13 34.73S 179.73E 0 3.7,3.6

¶602391102

IDC Error ellipse: s-maj=233.4km s-min=40.2km az=92.0.
ISC XII 11 16 27 58.8–.69 33.83S–.06 178.82W–.10 48 4.4b 101 4-159
IDC XII 11 16 27 53.0–.87 33.42S 179.11W 0 4.5L,4.4 ¶602035776
WEL XII 11 16 27 56.5–.64 34S–5.0 179W–10 5 5.0L,4.4
ISCJB XII 11 16 27 57.1–.58 33.84S–.04 178.79W–.10 48 4.4b,3.6s
NEIC XII 11 16 27 58.9–3.0 33.69S 179.05W 44–24 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=24.6km az=122.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.0km az=17.5.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=17.1km az=47.0.
IDC XII 12 00 44 29.6–3.0 33.13S 178.54W 0 3.8,3.6

¶602391134

IDC Error ellipse: s-maj=71.3km s-min=36.0km az=118.0.
IDC XII 13 23 32 57.6–10 32.20S 179.89W 153–105 3.4,3.2

¶602391286

IDC Error ellipse: s-maj=92.0km s-min=55.6km az=179.0.
WEL XII 14 18 27 00.5–1.3 35S–10 179W–16 33 4.0L

¶606818786

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 16 05 52 08.8–.47 33.40S–.05 179.08W–.07 48 4.6b,3.9s 156 4-160
IDC XII 16 05 52 02.4–.66 33.01S 179.26W 0 4.7,4.5L ¶602090190
WEL XII 16 05 52 04.8–.64 34S–4.0 178W–11 33 5.3L,4.5L
BJI XII 16 05 52 07.5 34.11S 179.00W 54 5.0b,4.8s
ISCJB XII 16 05 52 08.5–.36 33.46S–.03 179.31W–.06 48 4.6b,3.9s
NEIC XII 16 05 52 09.0–.96 33.68S 179.29W 47–8 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=24.0km az=73.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=19.1.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.5km az=107.0.
ISC XII 20 08 31 37.7–.79 32.86S–.05 179.81E–.09 200 4.1b 64 4-160
ISCJB XII 20 08 31 38.1–.61 32.81S–.04 179.6E–.10 200 3.9b ¶602391695
NEIC XII 20 08 31 39.0–3.2 32.97S 179.91E 216–23 4.3b
IDC XII 20 08 31 41.0–5.7 32.94S 179.95E 236–47 4.4,4.0
WEL XII 20 08 31 41.0–.55 33S–7.0 179W–15 33 4.9L,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 20 23 34 30.1–1.6 33.34S–.10 179.1W–.10 48 23 5-160
ISCJB XII 20 23 34 29.6–1.3 33.37S–.07 179.2W–.10 48 3.6b ¶602391758
IDC XII 20 23 34 32.3–8.2 33.46S 179.06W 72–66 3.8,3.8
WEL XII 20 23 34 32.1–1.5 33S–9.0 179W–10 33 4.5L,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 21 06 16 15.0–1.1 32.28S–.05 177.6W–.10 35 4.3b 57 3-147
IDC XII 21 06 16 14.1–3.0 32.02S 178.42W 0 4.5,4.4L ¶602056562
WEL XII 21 06 16 16.5–.94 32S–5.0 178W–15 33 5.1L,4.4L
NEIC XII 21 06 16 18.6–1.2 32.18S 178.38W 35 4.3b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=68.1km s-min=44.7km az=119.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=10.8km az=97.0.
ISC XII 21 08 39 49.0–.72 32.23S–.06 177.12W–.09 10 4.3b 78 3-161
WEL XII 21 08 39 46.9–1.2 32S–4.0 177W–16 33 5.3L ¶602056565
IDC XII 21 08 39 48.5–.87 32.22S 177.34W 0 4.4,4.2
NEIC XII 21 08 39 53.5–.77 32.27S 177.38W 35 4.4b,4.2
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=28.0km s-min=24.1km az=124.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.7km az=106.0.
ISC XII 21 15 43 17.7–.92 32.36S–.06 176.7W–.10 35 4.5b,3.5s 119 3-155
NEIC XII 21 15 43 16.6–2.3 32.63S 176.30W 38–10 4.7b,3.5s ¶602090224
IDC XII 21 15 43 18.9–1.6 32.41S 177.44W 0 4.4,4.3
WEL XII 21 15 43 18.2–.80 32S–4.0 177W–9.0 33 5.4L,4.3
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 22 04 44 51.3–1.6 32.4S–.10 179.4W–.30 35 8 7-147
IDC XII 22 04 44 49.7–9.5 32.67S 178.64W 65–90 3.8,3.8 ¶602391847
ISCJB XII 22 04 44 51.8–1.3 32.5S–.10 179.6W–.20 35 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL XII 25 20 32 34.4–1.5 34S–8.0 180E–15 33 4.4L

¶606818845

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 29 21 44 01.3–1.0 32.25S–.09 179.3W–.20 400 48 3-146
ISCJB XII 29 21 44 02.3–1.0 32.25S–.08 179.4W–.20 400 ¶602380859
WEL XII 29 21 44 07.9–.87 32S–8.0 180W–19 273–16
IDC XII 29 21 44 09.8–7.7 32.76S 179.74E 406–93 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=10.4km az=6.1.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=112.6km s-min=40.3km az=4.0.
IDC XII 30 01 27 45.4–2.8 32.53S 178.11W 0 4.1,3.9

¶602380866

IDC Error ellipse: s-maj=69.8km s-min=43.6km az=127.0.
ISC XII 30 08 50 39.9–2.0 32.8S–.20 178.0W–.30 34 4.2b 8 7-152
IDC XII 30 08 50 35.5–1.8 32.76S 178.11W 0 4.5,4.3 ¶602380884
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=32.2km az=133.0.
ISC XII 30 09 51 01.4–.99 32.70S–.07 177.8W–.10 20 4.3b 44 3-147
IDC XII 30 09 51 00.3–2.8 32.76S 178.13W 0 4.3,4.2b ¶602335545
WEL XII 30 09 51 01.3–1.1 33S–6.0 178W–20 33 5.0L,4.2b
NEIC XII 30 09 51 02.4–.56 32.56S 178.23W 10 4.3b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=67.9km s-min=35.0km az=120.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.0km az=136.0.

SEISMIC REGION 13.
Fiji Area.

(180) North of Fiji Islands.

IDC VIII 12 00 39 31.9–8.8 12.92S 177.68W 0 4.5,4.2b

¶601765768

IDC Error ellipse: s-maj=860.3km s-min=40.2km az=149.0.
IDC VIII 17 03 22 42.4–119 12.93S 174.66E 0 3.9,3.7b

¶601765965

IDC Error ellipse: s-maj=2088.0km s-min=159.4km az=67.0.

(181) Fiji Islands region.

ISC VII 01 09 31 19.4–.43 20.70S–.09 178.47W–.08 587 4.0b 101 9-172
ISCJB VII 01 09 31 18.9–.39 20.85S–.07 178.59W–.08 587 4.0b ¶601513144
IDC VII 01 09 31 18.9–1.2 20.74S 178.53W 573–13 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=8.4km az=135.7.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=151.0.
IDC VII 01 09 47 42.5–3.5 15.97S 176.13W 0 4.3,4.1

¶601663354

IDC Error ellipse: s-maj=149.7km s-min=73.9km az=157.0.
IDC VII 01 16 38 07.1–8.8 19.62S 177.79W 589–83 3.9,3.2

¶601663364

IDC Error ellipse: s-maj=85.3km s-min=33.5km az=122.0.
IDC VII 01 17 46 18.2–23 18.20S 177.99W 520–206 3.5,2.9

¶601663370

IDC Error ellipse: s-maj=277.5km s-min=44.7km az=132.0.
ISC VII 01 23 02 31.5–.47 17.81S–.05 178.38W–.05 572–5 4.6b 526 7-175
ISCJB VII 01 23 02 30.8–.73 17.79S–.04 178.49W–.03 572–9 4.6b ¶601221105
BJI VII 01 23 02 30.5 17.70S 178.50W 564 4.9b,4.5b
IDC VII 01 23 02 31.4–.54 17.77S 178.38W 568–6 5.1,4.3
NEIC VII 01 23 02 32.2–.56 17.78S 178.49W 578–7 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=153.8.
IDC Error ellipse: s-maj=9.1km s-min=6.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=143.0.
ISC VII 02 00 55 05.8–.76 17.9S–.20 178.6W–.10 579 3.7b 14 15-146
ISCJB VII 02 00 55 04.9–.64 17.9S–.20 178.6W–.10 579 4.0b ¶601663384
IDC VII 02 00 55 06.0–4.4 17.89S 178.58W 580–53 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.5km s-min=13.3km az=150.4.
IDC Error ellipse: s-maj=29.3km s-min=18.0km az=134.0.
IDC VII 03 09 47 25.7–1.9 16.41S 178.70W 0 3.9,3.6b

¶601663429

IDC Error ellipse: s-maj=110.8km s-min=27.0km az=147.0.
IDC VII 03 11 40 51.8–6.8 18.83S 177.91W 0 4.0s,4.0

¶601663432

IDC Error ellipse: s-maj=295.9km s-min=36.2km az=144.0.
ISC VII 03 12 07 30.0–.31 19.39S–.06 177.90W–.06 550 4.6b 561 8-163
BJI VII 03 12 07 27.2 19.27S 177.29W 544 4.6b,4.6b ¶601235965
ISCJB VII 03 12 07 29.6–.16 19.32S–.05 178.07W–.03 550 4.5b,4.6b
NEIC VII 03 12 07 29.5–.68 19.28S 178.04W 539–8 4.6b,4.6b
IDC VII 03 12 07 31.9–2.7 19.33S 177.97W 568–30 5.0,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=153.4.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=156.0.
IDC Error ellipse: s-maj=14.0km s-min=11.8km az=132.0.
ISC VII 03 14 13 04.9–.72 18.6S–.20 177.9W–.10 557 3.6b 14 8-88
ISCJB VII 03 14 13 03.2–.66 18.6S–.20 177.8W–.10 557 3.7b ¶601663437
IDC VII 03 14 13 07.9–1.6 18.64S 177.81W 605–21 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=14.1km az=140.3.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=148.0.
ISC VII 03 19 22 11.1–.38 17.97S–.08 178.47W–.07 579 4.3b 191 8-158
ISCJB VII 03 19 22 10.3–.19 18.00S–.05 178.54W–.05 579 4.4b ¶601237318
NEIC VII 03 19 22 11.2–.39 17.95S 178.49W 577–5 4.4b
IDC VII 03 19 22 12.2–1.2 18.04S 178.45W 590–13 4.6,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.1km az=137.8.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.0km az=136.0.
IDC Error ellipse: s-maj=14.7km s-min=8.4km az=150.0.
ISC VII 03 19 47 30.2–.94 18.1S–.20 179.5W–.10 450 4.0b 25 10-145
IDC VII 03 19 46 42.3–2.4 17.72S 179.12W 0 4.4,4.1 ¶601556009
NEIC VII 03 19 47 28.3–3.5 18.16S 179.45W 433–36 4.4b,4.1
ISCJB VII 03 19 47 29.2–.68 18.2S–.20 179.6W–.10 450 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 04 11 44 00.2–.74 17.7S–.20 178.3W–.10 547 3.6b 21 7-150
IDC VII 04 11 43 58.0–1.6 17.59S 178.50W 508–19 4.1,3.5 ¶601663474
ISCJB VII 04 11 43 59.4–.59 17.7S–.10 178.4W–.10 547 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VII 05 08 53 11.7–.81 18.0S–.20 177.9W–.20 590 3.5b 14 39-148
ISCJB VII 05 08 53 11.0–.74 18.0S–.20 178.0W–.20 590 3.5b ¶601663507
IDC VII 05 08 53 18.2–4.4 18.11S 178.05W 670–54 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.2km s-min=15.6km az=149.7.
IDC Error ellipse: s-maj=28.4km s-min=20.9km az=153.0.
IDC VII 05 09 13 38.3–5.8 21.31S 178.80W 646–66 4.5,3.5

¶601663508

IDC Error ellipse: s-maj=58.1km s-min=26.6km az=58.0.
IDC VII 05 15 50 42.1–1.7 16.48S 178.38W 0 4.1,3.8

¶601663513

IDC Error ellipse: s-maj=162.7km s-min=25.9km az=153.0.
IDC VII 05 16 27 10.5–12 17.49S 178.77W 582–164 4.2,3.5

¶601663514

IDC Error ellipse: s-maj=91.7km s-min=44.6km az=157.0.
ISC VII 06 00 40 36.7–.33 14.61S–.07 177.75W–.05 10 4.8b,4.4s 231 6-147
IDC VII 06 00 40 33.4–.59 14.79S 178.10W 0 4.5,4.4 ¶601505942
ISCJB VII 06 00 40 35.7–.20 14.62S–.05 177.92W–.05 10 4.8b,4.4s
BJI VII 06 00 40 35.8 14.17S 177.58W 12 5.1b,5.0b
NEIC VII 06 00 40 37.0–.19 14.59S 177.91W 10 4.9b,5.0b
GCMT VII 06 00 40 37.0–.20 14.67S 177.92W 20–0 5.2W,5.0b
MOS VII 06 00 40 38.8–.99 14.59S 177.93W 33 5.0b,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=16.1km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.3km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.7km az=132.0. Felt at Vele, Wallis and Futuna.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s78,c107; s110,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.13 $M_{\theta\theta}$-2.80±.12; $M_{\phi\phi}$3.12±.12; $M_{r\theta}$-1.23±.23; $M_{\theta\phi}$5.95±.12; $M_{\phi r}$-0.48±.23; Best double couple: NP1:ϕ_s257.00000°,δ89.00000°,λ11.00000°. NP2:ϕ_s167.00000°,δ79.00000°,λ179.00000°. Principal axes: T 6.9600,Plg8.0000°,Azm122.0000°; N -0.3670,Plg79.0000°,Azm260.0000°; P -6.5870,Plg7.0000°,Azm31.0000° $M_0$6.77400×10^{16}
MOS Error ellipse: s-maj=11.8km s-min=10.8km az=60.9.
ISC VII 06 02 52 24.2–.48 17.65S–.06 178.42W–.05 583–5 4.7b 534 7-176
ISCJB VII 06 02 52 22.1–.56 17.68S–.04 178.48W–.03 564–7 4.6b ¶601243239
BJI VII 06 02 52 23.7 17.60S 178.50W 583 5.1b,4.9b
IDC VII 06 02 52 24.0–.66 17.74S 178.43W 577–7 5.2,4.4
NEIC VII 06 02 52 24.5–.10 17.65S 178.53W 583 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=156.0.
IDC Error ellipse: s-maj=8.9km s-min=7.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=139.0.
ISC VII 06 07 22 15.4–1.5 19.5S–.60 178.0W–.30 550 3.5b 10 15-149
ISCJB VII 06 07 22 14.6–1.4 19.5S–.60 178.0W–.30 550 3.5b ¶601663531
IDC VII 06 07 22 16.8–6.2 19.52S 178.07W 567–74 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=84.6km s-min=14.8km az=153.5.
IDC Error ellipse: s-maj=83.9km s-min=28.3km az=155.0.
IDC VII 06 09 52 14.9–1.5 16.40S 178.58W 0 4.3,4.0

¶601663538

IDC Error ellipse: s-maj=130.5km s-min=22.3km az=154.0.
IDC VII 06 14 13 00.7–52 19.19S 178.37W 0 4.2,4.0

¶601663543

IDC Error ellipse: s-maj=958.8km s-min=158.4km az=81.0.
ISC VII 07 01 06 30.3–.36 16.47S–.06 176.05W–.07 364 4.3b 118 5-176
IDC VII 07 01 06 27.6–1.2 16.40S 176.13W 329–12 4.6,4.1 ¶601505950
NEIC VII 07 01 06 28.9–.88 16.39S 176.16W 345–8 4.4b,4.1
WEL VII 07 01 06 28.0 16.39S 176.16W 345 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.9km az=131.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=125.0.
WEL manual. confirmed.
IDC VII 07 08 09 29.2–15 20.26S 178.06W 561–117 4.5,3.5

¶601663582

IDC Error ellipse: s-maj=151.0km s-min=55.4km az=86.0.
IDC VII 07 08 27 55.7–71 18.53S 177.25W 0 4.2,4.0

¶601663583

IDC Error ellipse: s-maj=1318.0km s-min=181.1km az=80.0.

ISC VII 07 16 32 04.3–1.0 16.4S–.40 177.7W–.20 350 3.5b 13 6-149
ISCJB VII 07 16 32 03.4–.83 16.3S–.40 177.8W–.20 350 3.4b ¶601663599
IDC VII 07 16 32 04.5–1.7 16.57S 177.54W 355–22 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=57.2km s-min=9.4km az=158.2.
IDC Error ellipse: s-maj=84.3km s-min=12.9km az=151.0.
IDC VII 08 03 22 58.5–14 18.89S 177.22W 0 4.0,3.8
¶601664271

IDC Error ellipse: s-maj=347.4km s-min=41.3km az=38.0.
IDC VII 09 01 24 23.6–7.7 17.65S 176.51W 0 4.0,3.7
¶601664318

IDC Error ellipse: s-maj=324.1km s-min=66.8km az=142.0.
ISC VII 09 09 18 18.3–1.5 17.5S–.60 178.7W–.40 539 3.4b 8 39-87
ISCJB VII 09 09 18 17.5–1.3 17.5S–.60 178.8W–.40 539 3.5b ¶601664326
IDC VII 09 09 18 26.0–22 17.69S 178.80W 640–314 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=90.9km s-min=16.4km az=149.6.
IDC Error ellipse: s-maj=111.4km s-min=69.5km az=6.0.
ISC VII 09 15 26 10.4–.91 21.4S–.10 178.5W–.10 500 3.9b 16 10-148
ISCJB VII 09 15 26 09.7–.87 21.28S–.10 178.6W–.10 500 3.8b ¶601664338
IDC VII 09 15 26 11.8–2.1 21.10S 178.52W 522–23 4.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=12.9km az=14.4.
IDC Error ellipse: s-maj=23.5km s-min=20.2km az=153.0.
ISC VII 09 19 26 13.3–.46 18.1S–.10 178.19W–.07 590 4.4b 126 7-158
ISCJB VII 09 19 26 12.3–.32 18.10S–.08 178.20W–.05 590 4.4b ¶601252243
NEIC VII 09 19 26 13.6–.77 18.11S 178.22W 592–9 4.8b
IDC VII 09 19 26 14.4–1.3 18.14S 178.27W 596–15 4.8,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.0km az=172.6.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.8km az=155.0.
IDC Error ellipse: s-maj=14.5km s-min=8.9km az=158.0.
ISC VII 10 09 05 18.3–.48 21.63S–.05 179.05W–.06 585–5 4.5b 384 8-172
ISCJB VII 10 09 05 17.8–.47 21.67S–.03 179.17W–.04 584–6 4.5b ¶601505965
NEIC VII 10 09 05 17.7–.59 21.66S 179.11W 576–7 4.6b
WEL VII 10 09 05 17.0 21.66S 179.11W 576 4.6b
BJI VII 10 09 05 17.2 21.50S 179.20W 572 4.8b,4.7b
IDC VII 10 09 05 18.7–1.5 21.59S 179.13W 581–16 4.9,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=31.6.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.0km az=136.0.
WEL manual. confirmed.
IDC Error ellipse: s-maj=11.1km s-min=10.0km az=89.0.
IDC VII 10 20 02 10.5–3.4 18.39S 178.02W 641–40 4.3,3.5
¶601664397

IDC Error ellipse: s-maj=84.2km s-min=25.2km az=150.0.
IDC VII 10 21 21 57.3–3.9 17.41S 176.10W 0 4.3,4.1
¶601664400

IDC Error ellipse: s-maj=168.0km s-min=79.8km az=156.0.
ISC VII 11 22 26 16.3–.76 19.1S–.10 176.6W–.20 200 3.5b 13 7-149
ISCJB VII 11 22 26 15.7–.60 19.0S–.10 176.8W–.10 200 3.5b ¶601664452
IDC VII 11 22 26 16.9–2.1 18.88S 176.81W 198–23 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.7km az=38.4.
IDC Error ellipse: s-maj=35.8km s-min=13.0km az=137.0.
IDC VII 12 03 08 59.1–18 19.93S 178.32W 533–207 4.1,3.5
¶601664461

IDC Error ellipse: s-maj=180.9km s-min=49.3km az=151.0.
IDC VII 12 10 05 24.1–3.0 18.18S 178.31W 365–36 3.9,3.3
¶601664476

IDC Error ellipse: s-maj=123.3km s-min=22.2km az=156.0.
IDC VII 12 12 34 09.5–2.8 19.21S 177.24W 0 4.0,3.6
¶601664487

IDC Error ellipse: s-maj=288.8km s-min=33.6km az=160.0.
IDC VII 12 20 46 53.4–25 17.34S 179.05W 314–257 4.0,3.6
¶601664502

IDC Error ellipse: s-maj=52.5km s-min=34.2km az=85.0.
ISC VII 13 04 50 42.8–.46 18.27S–.04 178.37W–.04 626–5 5.1b 1399 8-173
BJI VII 13 04 50 40.6 17.91S 178.04W 616 5.2b,5.0b ¶601505987
ISCJB VII 13 04 50 41.0–.43 18.30S–.03 178.54W–.02 616–6 5.1b,5.0b
MOS VII 13 04 50 41.7–.92 18.15S 178.51W 616 5.2b,5.0b
NEIC VII 13 04 50 44.6–.08 18.27S 178.55W 644 5.1b,5.0b
WEL VII 13 04 50 44.0 18.27S 178.55W 644 5.1b,5.0b
GCMT VII 13 04 50 44.6–.30 18.27S 178.33W 645–2 5.2W,5.0b
IDC VII 13 04 50 44.9–.69 18.20S 178.45W 646–7 5.5,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=150.9.
MOS Error ellipse: s-maj=8.5km s-min=7.1km az=59.4.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.5km az=140.0.
WEL manual. confirmed.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s75,c114;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79±.03 $M_{\theta\theta}$0.79±.04; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$-0.41±.04; $M_{\theta\phi}$-0.15±.04; $M_{\phi r}$0.12±.05; Best double couple: NP1:ϕ_s103.00000°,δ59.00000°,λ-87.00000°. NP2:ϕ_s278.00000° ,δ31.00000°,λ-94.00000°. Principal axes: T 0.9210,Plg14.0000°,Azm191.0000° ; N -0.0220,Plg2.0000°,Azm282.0000°; P -0.8990,Plg76.0000°,Azm21.0000° $M_0$0.91000×10^{17}
IDC Error ellipse: s-maj=9.7km s-min=8.6km az=139.0.
IDC VII 13 04 51 57.5–8.8 18.02S 178.57W 590–109 4.6,3.9
¶601664515

IDC Error ellipse: s-maj=48.2km s-min=39.4km az=167.0.
IDC VII 13 08 17 07.4–2.8 18.14S 177.65W 0 3.9,3.5
¶601664518

IDC Error ellipse: s-maj=330.6km s-min=32.2km az=159.0.
IDC VII 13 14 54 59.6–7.5 17.48S 178.83W 624–88 3.7,3.0
¶601664530

IDC Error ellipse: s-maj=110.4km s-min=27.0km az=148.0.
ISC VII 13 16 59 13.4–.52 20.4S–.10 178.11W–.08 534 4.1b 45 9-155
NEIC VII 13 16 59 11.8–.99 20.44S 178.13W 513–11 4.0b ¶601555964
ISCJB VII 13 16 59 12.6–.45 20.44S–.09 178.15W–.08 534 4.2b
IDC VII 13 16 59 12.5–1.4 20.43S 178.14W 516–15 4.7,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.5km az=150.3.
IDC Error ellipse: s-maj=12.4km s-min=10.0km az=159.0.
ISC VII 14 08 05 28.4–.67 16.29S–.04 177.67W–.05 418–6 4.8b 970 6-177
BJI VII 14 08 05 25.9 16.07S 177.55W 398 4.9b,4.8b ¶601273223
IDC VII 14 08 05 25.6–.92 16.28S 177.66W 389–8 5.1,4.4
ISCJB VII 14 08 05 26.3–.57 16.28S–.03 177.75W–.03 406–6 4.8b,4.4
MOS VII 14 08 05 26.5–.80 16.18S 177.76W 404 4.7b,4.4
GCMT VII 14 08 05 27.1–.30 16.18S 177.53W 425–1 5.3W,4.4
WEL VII 14 08 05 27.0 16.29S 177.73W 403 5.3W,4.4
NEIC VII 14 08 05 27.1–.49 16.29S 177.73W 403–5 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=7.7km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=42.9.
MOS Error ellipse: s-maj=8.5km s-min=6.9km az=137.5.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s86,c121;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.03 $M_{\theta\theta}$0.96±.05; $M_{\phi\phi}$-0.17±.05; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$-0.30±.04; $M_{\phi r}$0.30±.05; Best double couple: NP1:ϕ_s260.00000°,δ57.00000°,λ-121.00000°. NP2:ϕ_s128.00000° ,δ44.00000°,λ-51.00000°. Principal axes: T 1.0640,Plg8.0000°,Azm12.0000° ; N -0.0740,Plg26.0000°,Azm278.0000°; P -0.9900,Plg63.0000°,Azm117.0000° $M_0$1.02700×10^{17}
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=138.0.
IDC VII 14 13 36 46.5–6.9 20.76S 178.94W 640–80 4.0,3.2
¶601664568

IDC Error ellipse: s-maj=43.8km s-min=27.4km az=61.0.
IDC VII 14 18 00 41.7–10 17.89S 177.85W 341–98 4.3,3.7
¶601664577

IDC Error ellipse: s-maj=51.1km s-min=32.5km az=119.0.
ISC VII 15 19 06 04.2–.98 18.3S–.30 178.0W–.20 557 3.8b 23 7-151
ISCJB VII 15 19 06 03.4–.95 18.3S–.30 178.1W–.20 557 3.8b ¶601664642
IDC VII 15 19 06 03.0–1.7 18.29S 178.01W 538–18 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.0km s-min=12.4km az=152.0.
IDC Error ellipse: s-maj=31.2km s-min=11.7km az=148.0.
ISC VII 16 08 38 42.1–.70 18.0S–.20 178.5W–.20 579 3.7b 15 33-148
ISCJB VII 16 08 38 41.3–.65 18.0S–.20 178.5W–.20 579 3.7b ¶601664665
IDC VII 16 08 38 45.0–4.7 18.01S 178.51W 610–56 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.0km s-min=15.4km az=148.6.
IDC Error ellipse: s-maj=28.6km s-min=19.0km az=134.0.
IDC VII 16 09 58 00.2–48 18.55S 177.17W 0 4.1,3.9
¶601664668

IDC Error ellipse: s-maj=896.9km s-min=159.3km az=80.0.
IDC VII 16 12 32 01.9–4.9 16.20S 176.05W 0 4.4,4.2
¶601664673

IDC Error ellipse: s-maj=161.1km s-min=96.4km az=153.0.
IDC VII 16 14 02 09.7–1.9 18.22S 177.60W 0 4.5,4.2
¶601664676

IDC Error ellipse: s-maj=151.2km s-min=32.2km az=156.0.
IDC VII 16 17 32 28.3–7.6 16.16S 177.99W 434–92 4.1,3.5
¶601664682

IDC Error ellipse: s-maj=76.7km s-min=22.5km az=161.0.
IDC VII 16 19 51 04.8–4.6 19.65S 177.82W 279–46 3.8,3.5
¶601664691

IDC Error ellipse: s-maj=21.7km s-min=14.1km az=111.0.
ISC VII 17 23 54 59.4–.86 20.7S–.20 178.8W–.20 600 3.6b 11 9-150
ISCJB VII 17 23 54 59.1–.99 20.8S–.20 178.8W–.20 600 3.6b ¶601664753
IDC VII 17 23 55 01.4–3.9 20.97S 178.71W 621–55 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=22.7km az=34.5.
IDC Error ellipse: s-maj=77.9km s-min=23.7km az=167.0.
IDC VII 18 05 41 16.4–.99 17.13S 177.65W 0 4.4s,4.4
¶601664775

IDC Error ellipse: s-maj=48.3km s-min=21.8km az=144.0.
ISC VII 18 08 09 46.2–.22 20.85S–.03 178.41W–.03 539–2 5.5b 1987 8-176
ISCJB VII 18 08 09 43.7–.46 20.77S–.02 178.51W–.02 512–5 5.4b ¶601506011
BJI VII 18 08 09 45.4 20.52S 178.00W 542 5.5b,5.4b
MOS VII 18 08 09 45.7–.83 20.68S 178.52W 533 5.5b,5.4b
WEL VII 18 08 09 46.0 20.87S 178.51W 537 5.5b,5.4b
NEIC VII 18 08 09 46.0–.00 20.64S 178.45W 540 5.5b,5.4b
NEIC VII 18 08 09 46.2–.38 20.87S 178.51W 537–4 6.0W,5.9W
IDC VII 18 08 09 46.8–.37 20.74S 178.44W 537–3 5.9,5.1b
GCMT VII 18 08 09 46.2–.10 20.78S 178.49W 544–0 5.9W,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.7km az=158.1.
MOS Error ellipse: s-maj=8.1km s-min=6.9km az=77.8.
WEL manual. confirmed.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.99 $M_{\theta\theta}$1.47 $M_{\phi\phi}$3.52 $M_{r\theta}$-4.72 $M_{\theta\phi}$3.24 $M_{\phi r}$-4.49 Best double couple: NP1:ϕ_s45.00000° ,δ70.00000°,λ-83.00000°. NP2:ϕ_s205.00000°,δ21.00000°,λ-108.00000°. Principal axes: T 8.8900,Plg24.0000°,Azm129.0000°; N -0.7800,Plg6.0000°,Azm222.0000° ; P -8.1100,Plg64.0000°,Azm325.0000° $M_0$8.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=144.0. Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ72.00000°,λ-95.00000°. NP2:ϕ_s246.00000° ,δ18.00000°,λ-75.00000°. Principal axes: T 1.0700,Plg27.0000°,Azm144.0000° ; N -0.0400,Plg5.0000°,Azm52.0000°; P -1.0300,Plg63.0000°,Azm313.0000°
IDC Error ellipse: s-maj=7.7km s-min=6.8km az=47.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s133,c279; s93,c101; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$0.36±.01; $M_{r\theta}$-0.59±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-0.45±.01; Best double couple: NP1:ϕ_s49.00000°,δ71.00000° ,λ-82.00000°. NP2:ϕ_s204.00000°,δ20.00000°,λ-113.00000°. Principal axes: T 0.9460,Plg26.0000°,Azm133.0000°; N -0.0130,Plg8.0000°,Azm227.0000° ; P -0.9340,Plg63.0000°,Azm332.0000° $M_0$0.94000×10^{18}
IDC VII 18 09 34 44.9–49 17.59S 178.35W 0 4.0,3.8
¶601664780

IDC Error ellipse: s-maj=898.0km s-min=152.5km az=79.0.
ISC VII 18 16 42 13.9–1.4 17.1S–.80 179.0W–.40 539 3.5b 8 39-87
IDC VII 18 16 42 12.3–3.6 17.26S 178.91W 523–36 4.0,3.4 ¶601664795
ISCJB VII 18 16 42 13.1–1.4 17.0S–.80 179.2W–.40 539 3.6b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC VII 18 21 11 25.7–50 17.00S 179.35W 0 4.6,4.4b
¶601664805

IDC Error ellipse: s-maj=913.3km s-min=140.4km az=77.0.
ISC VII 19 13 16 04.4–2.3 21.0S–.60 178.6W–.30 579 3.5b 8 14-143
ISCJB VII 19 13 16 04.4–2.4 20.8S–.60 178.7W–.40 579 3.5b ¶601664833
IDC VII 19 13 16 07.4–7.6 20.95S 178.69W 609–86 3.9,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=90.4km s-min=18.8km az=150.8.
IDC Error ellipse: s-maj=77.2km s-min=36.0km az=139.0.
IDC VII 20 10 58 11.1–7.2 15.66S 178.11W 0 4.1,3.8b
¶601664869

IDC Error ellipse: s-maj=336.4km s-min=36.2km az=142.0.
ISC VII 20 14 03 13.1–.28 21.24S–.04 179.14W–.04 625–3 5.4b 1106 8-172
ISCJB VII 20 14 03 11.2–.42 21.24S–.03 179.28W–.02 607–6 5.3b ¶601453281
MOS VII 20 14 03 11.6–.85 21.16S 179.26W 611 5.4b,4.1s
BJI VII 20 14 03 12.7 20.69S 179.07W 615 5.2b,5.1b
WEL VII 20 14 03 13.0 21.22S 179.29W 625 5.2b,5.1b
GCMT VII 20 14 03 13.8–.20 21.26S 179.30W 639–1 5.5W,5.1b
NEIC VII 20 14 03 13.8–.53 21.22S 179.29W 625–6 5.6W,5.6b
IDC VII 20 14 03 14.1–.40 21.22S 179.21W 629–4 5.6,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.9km az=165.2.
MOS Error ellipse: s-maj=8.8km s-min=8.0km az=76.0.
WEL manual. confirmed.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s97,c150; s18,c18; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.03 $M_{\theta\theta}$-0.02±.05; $M_{\phi\phi}$0.09±.05; $M_{r\theta}$-0.64±.05; $M_{\theta\phi}$0.11±.05; $M_{\phi r}$-2.17±.04; Best double couple: NP1:ϕ_s16.00000°,δ89.00000° ,λ-92.00000°. NP2:ϕ_s245.00000°,δ2.00000°,λ-42.00000°. Principal axes: T 2.3000,Plg44.0000°,Azm108.0000°; N -0.0690,Plg2.0000°,Azm16.0000° ; P -2.2310,Plg46.0000°,Azm285.0000° $M_0$2.26600×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=163.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.07 $M_{r\theta}$-0.77 $M_{\theta\phi}$0.17 $M_{\phi r}$-2.59 Best double couple: NP1:ϕ_s196.00000°,δ89.00000°,λ93.00000°. NP2:ϕ_s301.00000° ,δ3.00000°,λ15.00000°. Principal axes: T 2.8000,Plg46.0000°,Azm109.0000° ; N -0.2000,Plg3.0000°,Azm16.0000°; P -2.6000,Plg44.0000°,Azm283.0000° $M_0$2.70000×10^{17}
IDC Error ellipse: s-maj=7.5km s-min=7.1km az=33.0.
ISC VII 20 16 15 46.3–.88 20.2S–.20 177.5W–.20 500 3.8b 12 8-150
IDC VII 20 16 15 45.0–2.4 20.39S 177.56W 473–29 4.2,3.6 ¶601664877
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=16.1km az=151.0.
ISC VII 21 05 24 05.7–1.3 20.2S–.40 177.8W–.20 569 3.7b 12 34-147
ISCJB VII 21 05 24 05.3–1.5 20.1S–.40 177.9W–.20 569 3.5b ¶601664906
IDC VII 21 05 24 09.5–5.1 20.23S 177.90W 613–56 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=55.4km s-min=18.3km az=155.0.
IDC Error ellipse: s-maj=44.0km s-min=24.4km az=142.0.
IDC VII 21 14 20 06.7–4.2 17.12S 178.00W 0 4.5,4.3
¶601664923

IDC Error ellipse: s-maj=161.7km s-min=68.1km az=145.0.
ISC VII 21 14 42 59.2–1.4 15.8S–.50 177.8W–.40 10 3.9b,3.6s 9 6-146
ISCJB VII 21 14 42 57.8–1.2 15.8S–.50 177.9W–.30 10 3.9b,3.6s ¶601472351
IDC VII 21 14 42 57.7–1.4 15.81S 177.79W 0 4.3,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=87.5km s-min=16.8km az=148.4.

IDC Error ellipse: s-maj=98.8km s-min=20.3km az=149.0.
IDC VII 21 22 40 46.0–3.7 20.17S 177.86W 432–48 3.9,3.3
¶601664933

IDC Error ellipse: s-maj=50.9km s-min=21.6km az=163.0.
ISC VII 21 23 31 36.0–.45 21.29S–.06 178.92W–.06 595–4 4.7b 410 10-172
ISCJB VII 21 23 31 33.6–.79 21.22S–.04 178.99W–.05 574–10 4.5b **¶601506030**
NEIC VII 21 23 31 36.8–.41 21.20S 178.97W 602–4 4.7b
IDC VII 21 23 31 36.2–.53 21.19S 178.90W 592–5 4.9,4.0
MOS VII 21 23 31 37.1–2.7 20.96S 179.15W 580 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=39.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=130.0.
IDC Error ellipse: s-maj=9.2km s-min=8.7km az=121.0.
MOS Error ellipse: s-maj=11.0km s-min=9.9km az=39.1.
IDC VII 22 02 01 55.7–2.5 15.36S 178.34W 417–28 4.0,3.5
¶601664938

IDC Error ellipse: s-maj=35.7km s-min=17.5km az=143.0.
IDC VII 22 02 49 37.1–1.9 13.66S 175.43E 0 4.2,3.8
¶601664939

IDC Error ellipse: s-maj=121.5km s-min=27.0km az=150.0.
ISC VII 22 04 18 03.5–.80 17.9S–.20 178.6W–.10 579 4.0b 30 8-148
IDC VII 22 04 17 59.4–1.4 17.82S 178.46W 529–16 4.5,3.8 **¶601456920**
ISCJB VII 22 04 18 02.6–.70 17.8S–.10 178.6W–.10 579 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 22 09 30 17.2–.74 17.2S–.20 178.6W–.10 550 4.4b 16 7-150
IDC VII 22 09 30 15.8–1.9 17.30S 178.65W 521–21 4.4,3.6 **¶601664955**
ISCJB VII 22 09 30 17.6–.94 17.3S–.20 178.8W–.20 550 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC VII 22 10 14 18.6–1.6 16.34S 176.01W 357–44 4.0,3.5
¶601664957

IDC Error ellipse: s-maj=152.4km s-min=24.2km az=140.0.
IDC VII 22 20 26 55.4–2.6 20.18S 177.58W 483–51 4.5,3.7
¶601664990

IDC Error ellipse: s-maj=33.9km s-min=22.3km az=18.0.
ISC VII 22 21 30 23.4–.60 19.2S–.20 177.6W–.20 550 3.8b 21 8-152
ISCJB VII 22 21 30 22.6–.62 19.3S–.20 177.6W–.20 550 3.6b **¶601664995**
IDC VII 22 21 30 24.2–1.8 19.28S 177.57W 558–20 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.4km s-min=9.9km az=137.5.
IDC Error ellipse: s-maj=21.5km s-min=13.9km az=137.0.
IDC VII 23 01 47 52.5–6.8 17.56S 178.11W 558–83 3.8,3.3
¶601666285

IDC Error ellipse: s-maj=121.5km s-min=25.6km az=157.0.
IDC VII 23 01 48 28.8–2.9 17.76S 177.18W 0 4.1,3.7
¶601666288

IDC Error ellipse: s-maj=318.5km s-min=34.8km az=159.0.
ISC VII 23 03 28 44.9–.48 15.4S–.10 177.84W–.08 35 4.4b,4.3s 53 6-148
IDC VII 23 03 28 40.2–.61 15.20S 178.03W 0 4.3,4.3 **¶601472356**
ISCJB VII 23 03 28 43.8–.42 15.4S–.10 177.90W–.08 35 4.4s,4.3b
NEIC VII 23 03 28 45.4–.36 15.24S 177.99W 35 4.6b,4.3b
GCMT VII 23 03 28 45.3–.20 15.21S 177.83W 12 5.1W,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=14.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.9km az=157.1.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.3km az=152.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s61,c80; s103,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.10 $M_{\theta\theta}$-2.94±.10; $M_{\phi\phi}$3.12±.09; $M_{r\theta}$-0.80±.26; $M_{\theta\phi}$4.16±.08; $M_{\phi r}$0.34±.25; Best double couple: NP1:ϕ_s72.00000°,δ84.00000° ,λ-7.00000°. NP2:ϕ_s162.00000°,δ83.00000°,λ-174.00000°. Principal axes: T 5.2370,Plg1.0000°,Azm117.0000°; N -0.0330,Plg80.0000°,Azm211.0000° ; P -5.2040,Plg10.0000°,Azm27.0000° $M_0$5.22100×10^{16}
IDC VII 23 07 34 42.5–.92 15.33S 178.34W 0 4.0,3.8
¶601666299

IDC Error ellipse: s-maj=35.5km s-min=25.4km az=132.0.
ISC VII 23 17 43 31.0–.44 17.8S–.10 178.7W–.10 579 4.1b 83 8-175
IDC VII 23 17 43 28.6–1.6 17.79S 178.58W 550–18 4.5,3.8 **¶601666327**
ISCJB VII 23 17 43 30.1–.42 17.82S–.09 178.70W–.10 579 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 24 23 34 58.4–.73 18.5S–.20 177.7W–.20 600 3.5b 16 20-151
ISCJB VII 24 23 34 57.3–.71 18.6S–.20 177.8W–.20 600 3.4b **¶601666392**
IDC VII 24 23 34 57.6–4.2 18.49S 177.67W 588–49 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.5km s-min=16.5km az=40.1.
IDC Error ellipse: s-maj=26.8km s-min=20.0km az=169.0.
IDC VII 25 09 58 46.3–7.5 17.53S 177.27W 0 4.2,3.9
¶601666413

IDC Error ellipse: s-maj=329.3km s-min=36.9km az=142.0.
IDC VII 25 10 03 39.0–3.2 17.32S 177.05W 0 4.0,3.7
¶601666414

IDC Error ellipse: s-maj=149.4km s-min=32.1km az=139.0.
ISC VII 25 11 09 37.4–.63 20.22S–.05 177.71W–.07 508–6 4.6b 596 8-173
MOS VII 25 11 09 33.4–1.0 20.10S 177.86W 470 4.7b **¶601468256**
IDC VII 25 11 09 35.7–1.3 20.17S 177.75W 488–14 4.8,4.2
ISCJB VII 25 11 09 35.6–.78 20.13S–.04 177.86W–.04 492–9 4.5b,4.2
BJI VII 25 11 09 36.6 19.52S 177.61W 489 4.8b,4.7b
NEIC VII 25 11 09 37.8–.60 20.24S 177.88W 513–7 4.6b,4.7b
WEL VII 25 11 09 37.0 20.24S 177.88W 513 4.6b,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=13.7km s-min=8.8km az=65.8.
IDC Error ellipse: s-maj=11.8km s-min=8.8km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=138.5.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.8km az=133.0.
WEL manual. confirmed.
ISC VII 25 14 46 41.1–.69 19.3S–.10 177.1W–.10 344 3.9b 19 7-149
IDC VII 25 14 46 37.2–1.8 19.13S 177.12W 304–18 4.3,3.8 **¶601666427**
ISCJB VII 25 14 46 40.0–.57 19.26S–.09 177.1W–.10 344 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 25 17 47 07.5–1.1 17.3S–.20 178.9W–.10 539 4.2b 11 8-73
ISCJB VII 25 17 47 06.7–1.0 17.4S–.20 178.8W–.10 539 4.2b **¶601666435**
IDC VII 25 17 47 07.1–1.8 17.41S 178.82W 524–21 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.5km s-min=16.1km az=158.7.
IDC Error ellipse: s-maj=29.7km s-min=22.0km az=13.0.
ISC VII 26 01 37 30.5–.38 19.16S–.09 177.54W–.08 570 4.3b 176 8-174
NEIC VII 26 01 37 29.9–.76 19.15S 177.70W 554–9 4.2b **¶601472675**
ISCJB VII 26 01 37 30.3–.22 19.21S–.07 177.72W–.07 570 4.2b
IDC VII 26 01 37 33.5–1.9 19.20S 177.68W 597–21 4.7,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.3km az=139.4.
IDC Error ellipse: s-maj=14.8km s-min=10.0km az=153.0.
IDC VII 26 02 04 18.5–54 19.65S 177.09W 0 4.3,4.1
¶601666450

IDC Error ellipse: s-maj=997.3km s-min=154.5km az=82.0.
ISC VII 26 13 14 54.2–.54 19.72S–.08 177.7W–.10 400 4.0b 61 8-150
ISCJB VII 26 13 14 53.4–.43 19.58S–.05 177.78W–.09 400 4.0b **¶601666478**
IDC VII 26 13 14 56.6–2.1 19.62S 177.74W 423–22 4.5,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.8km az=10.9.
IDC Error ellipse: s-maj=14.8km s-min=10.0km az=146.0.
ISC VII 26 16 25 36.8–.97 20.4S–.20 179.1W–.20 645 4.7b 22 22-79
IDC VII 26 16 24 52.4–54 19.64S 179.19E 0 4.7,4.5b **¶601666485**
NEIC VII 26 16 25 32.3–2.7 20.28S 179.06W 578–41 4.6b,4.5b
ISCJB VII 26 16 25 34.4–.74 20.4S–.10 179.0W–.10 645 4.7b,4.5b
ISC Event type se.
NEIC Event type se.

ISCJB Event type se.
IDC VII 26 19 49 27.8–4.1 20.29S 176.24W 234–38 4.3,4.0
¶601666494

IDC Error ellipse: s-maj=160.2km s-min=23.9km az=154.0.
IDC VII 27 04 12 31.7–1.8 16.68S 178.31W 0 4.4,4.1
¶601666507

IDC Error ellipse: s-maj=161.7km s-min=31.7km az=156.0.
ISC VII 27 14 06 28.2–.45 18.35S–.10 177.88W–.08 600 4.0b 52 7-147
ISCJB VII 27 14 06 27.1–.34 18.40S–.08 177.93W–.06 600 4.0b **¶601666522**
IDC VII 27 14 06 28.9–1.1 18.36S 177.87W 608–13 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.5km az=150.9.
IDC Error ellipse: s-maj=11.4km s-min=8.5km az=146.0.
ISC VII 27 15 19 32.7–.84 18.4S–.30 177.8W–.20 600 4.2b 12 7-148
ISCJB VII 27 15 19 32.1–.87 18.5S–.20 177.8W–.20 600 3.9b **¶601666525**
IDC VII 27 15 19 33.2–1.8 18.45S 177.75W 608–22 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.7km s-min=15.7km az=145.7.
IDC Error ellipse: s-maj=34.0km s-min=17.3km az=146.0.
IDC VII 27 23 01 14.1–2.8 18.30S 173.01E 0 4.3,4.0
¶601503064

IDC Error ellipse: s-maj=120.8km s-min=29.6km az=143.0.
IDC VII 28 21 42 33.6–2.6 21.96S 177.92W 0 4.3,4.1
¶601666590

IDC Error ellipse: s-maj=67.1km s-min=32.1km az=33.0.
IDC VII 28 23 01 01.5–7.0 18.14S 178.50W 583–79 4.3,3.6
¶601666592

IDC Error ellipse: s-maj=95.1km s-min=35.3km az=157.0.
IDC VII 29 05 29 26.6–2.5 17.45S 177.82W 0 4.4,4.0
¶601666607

IDC Error ellipse: s-maj=237.0km s-min=25.6km az=156.0.
IDC VII 29 05 50 54.9–6.8 15.67S 174.16E 0 4.0,3.6b
¶601666608

IDC Error ellipse: s-maj=313.9km s-min=33.5km az=143.0.
ISC VII 29 10 09 14.9–1.4 18.9S–.60 177.9W–.40 532 3.2b 12 8-151
IDC VII 29 10 09 16.9–1.9 18.84S 177.79W 564–19 3.7,3.1 **¶601666624**
ISC Event type ke.
IDC Error ellipse: s-maj=77.9km s-min=13.3km az=149.0.
ISC VII 29 10 27 31.5–.83 17.3S–.20 178.8W–.10 539 4.0b 10 8-144
IDC VII 29 10 27 29.6–1.6 17.41S 178.97W 505–21 4.6,3.9 **¶601666625**
ISCJB VII 29 10 27 30.2–.78 17.3S–.20 178.9W–.10 539 4.2b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC VII 29 18 18 41.5–3.4 19.36S 177.13W 412–57 4.5,3.7
¶601666638

IDC Error ellipse: s-maj=96.4km s-min=37.0km az=146.0.
ISC VII 31 13 08 38.9–.97 17.1S–.20 178.1W–.20 35 3.7b 7 22-87
IDC VII 31 13 08 33.7–.98 17.00S 178.09W 0 4.0,3.7 **¶601650826**
ISCJB VII 31 13 08 37.1–.81 17.1S–.20 178.1W–.20 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VII 31 14 36 11.5–17 17.95S 177.86W 434–143 3.9,3.4
¶601650831

IDC Error ellipse: s-maj=189.8km s-min=39.5km az=132.0.
IDC VII 31 15 23 16.8–52 16.53S 178.18W 0 4.0,3.8
¶601650833

IDC Error ellipse: s-maj=954.4km s-min=169.1km az=77.0.
IDC VII 31 16 17 36.0–7.8 21.66S 178.78W 495–45 4.0,3.2
¶601650837

IDC Error ellipse: s-maj=125.8km s-min=22.7km az=36.0.
ISC VIII 01 03 46 44.4–.80 20.5S–.20 178.5W–.20 587 3.7b 18 33-153
IDC VIII 01 03 46 41.2–5.0 20.51S 178.37W 550–56 4.1,3.5 **¶601765299**
ISCJB VIII 01 03 46 43.2–.73 20.5S–.20 178.5W–.20 587 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 02 23 34 36.8–.66 15.84S–.08 177.56W–.07 419–7 4.5b 324 6-149
BJI VIII 02 23 34 32.6 15.80S 177.60W 381 5.0b,4.5b **¶601513203**
ISCJB VIII 02 23 34 34.4–.83 15.88S–.05 177.66W–.05 404–8 4.5b,4.5b
NEIC VIII 02 23 34 34.0–.36 15.84S 177.63W 386–3 4.5b,4.5b
IDC VIII 02 23 34 35.4–1.8 15.71S 177.62W 400–19 4.7,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=44.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=132.0.
IDC Error ellipse: s-maj=18.4km s-min=10.8km az=147.0.
ISC VIII 03 03 12 35.1–.81 17.7S–.20 178.8W–.10 539 4.1b 36 15-175
ISCJB VIII 03 03 12 34.0–.82 17.6S–.10 178.8W–.10 539 4.0b **¶601765378**
IDC VIII 03 03 12 35.4–4.8 17.70S 178.78W 539–49 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=14.5km az=2.7.
IDC Error ellipse: s-maj=28.1km s-min=18.3km az=75.0.
ISC VIII 03 05 00 06.9–.64 17.1S–.20 177.2W–.10 35 4.4b 23 12-147
IDC VIII 03 05 00 01.1–.82 17.05S 176.94W 0 4.3,4.1b **¶601534026**
ISCJB VIII 03 05 00 05.2–.56 17.1S–.20 177.2W–.10 33 4.2b,4.1b
NEIC VIII 03 05 00 06.7–.55 17.19S 177.04W 35 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=19.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=12.1km az=158.6.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=11.9km az=148.0.
ISC VIII 03 05 08 38.4–.33 17.22S–.07 176.64W–.07 35 4.9s,4.8b 333 12-176
IDC VIII 03 05 08 33.3–.50 17.04S 176.95W 0 4.6,4.6 **¶604029645**
ISCJB VIII 03 05 08 36.6–.19 17.16S–.05 176.89W–.04 33 4.8b,4.7s
MOS VIII 03 05 08 38.7–2.2 17.04S 177.00W 33 5.0b,4.8s
NEIC VIII 03 05 08 38.6–.16 17.03S 176.92W 35 4.8b,4.8s
GCMT VIII 03 05 08 39.6–.10 17.05S–.01 176.84W–.01 15–0 5.4W,4.8s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c124; s123,c228;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.02 $M_{\theta\theta}$-1.15±.02; $M_{\phi\phi}$1.39±.02; $M_{r\theta}$-0.06±.06; $M_{\theta\phi}$0.29±.02; $M_{\phi r}$0.95±.08; Best double couple: NP1:ϕ_s322.00000°,δ83.00000°,λ152.00000°. NP2:ϕ_s55.00000°,δ62.00000°,λ7.00000°. Principal axes: T 1.8470,Plg24.0000° ,Azm275.0000°; N -0.6230,Plg61.0000°,Azm130.0000°; P -1.2270,Plg14.0000° ,Azm12.0000° $M_0$1.53700×10^{17}
IDC VIII 03 05 46 27.3–.90 17.34S 176.65W 0 4.3,4.0
¶601534027

IDC Error ellipse: s-maj=36.5km s-min=23.0km az=133.0.
IDC VIII 03 05 54 25.8–18 17.90S 176.18W 0 4.2,3.9
¶601765385

IDC Error ellipse: s-maj=850.2km s-min=43.6km az=141.0.
ISC VIII 03 07 22 33.1–.32 17.01S–.07 176.88W–.05 35 5.1s,5.0b 264 6-159
IDC VIII 03 07 22 28.0–.63 17.21S 176.89W 0 4.8,4.8s **¶601513954**
ISCJB VIII 03 07 22 31.0–.17 16.95S–.04 176.94W–.04 33 5.1s,4.9b
NEIC VIII 03 07 22 30.6–.16 16.92S 176.92W 20 5.5W,5.1s
BJI VIII 03 07 22 30.7 17.52S 176.90W 40 5.4b,5.2s
GCMT VIII 03 07 22 35.6–.10 17.13S–.01 176.82W–.01 16–0 5.5W,5.2s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$1.37 $M_{r\theta}$0.35 $M_{\theta\phi}$1.08 $M_{\phi r}$0.08 Best double couple: NP1:ϕ_s333.00000° ,δ79.00000°,λ-179.00000°. NP2:ϕ_s243.00000°,δ89.00000°,λ-11.00000°. Principal axes: T 1.7400,Plg7.0000°,Azm289.0000°; N 0.2600,Plg79.0000°,Azm59.0000° ; P -2.0000,Plg8.0000°,Azm198.0000° $M_0$1.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c192; s135,c256;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$-1.86±.02; $M_{\phi\phi}$1.93±.02; $M_{r\theta}$0.20±.06; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$0.59±.07; Best double couple: NP1:ϕ_s59.00000°,δ81.00000°,λ12.00000°. NP2:ϕ_s327.00000°,δ78.00000°,λ171.00000°. Principal axes: T 2.2930,Plg15.0000° ,Azm283.0000°; N -0.2240,Plg75.0000°,Azm95.0000°; P -2.0650,Plg2.0000°,Azm192.0000° $M_0$2.17900×10^{17}
IDC VIII 03 15 56 16.8–2.9 14.99S 175.01E 620–32 4.0,3.2

¶601765409

IDC Error ellipse: s-maj=77.3km s-min=26.8km az=159.0.
ISC VIII 03 19 44 55.4–.56 17.3S–.10 176.9W–.10 35 4.7b,4.4s 59 6-150
IDC VIII 03 19 44 50.0–.64 17.24S 176.91W 0 4.4s,4.4 ¶601534029
ISCJB VIII 03 19 44 53.4–.28 17.30S–.06 176.99W–.08 33 4.6b,4.4s
NEIC VIII 03 19 44 56.2–2.6 17.28S 176.94W 44–24 4.8b,4.4s
GCMT VIII 03 19 44 57.2–.20 17.10S–.01 176.82W–.01 16–0 5.2W,4.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c91; s114,c195;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.01 $M_{\theta\theta}$-0.66±.01; $M_{\phi\phi}$0.67±.01; $M_{r\theta}$0.00±.04; $M_{\theta\phi}$0.20±.01; $M_{\phi r}$0.39±.05; Best double couple: NP1:ϕ_s322.00000°,δ78.00000°,λ159.00000°. NP2:ϕ_s56.00000°,δ69.00000°,λ13.00000°. Principal axes: T 0.8700,Plg24.0000° ,Azm278.0000°; N -0.1710,Plg66.0000°,Azm113.0000°; P -0.6980,Plg6.0000°,Azm10.0000° M_o0.78400×10^{17}
ISC VIII 03 19 51 01.9–1.0 21.7S–.20 177.7W–.20 373 4.7b 18 15-92
IDC VIII 03 19 50 23.0–31 20.15S 177.88W 0 4.1,3.9 ¶601706362
ISCJB VIII 03 19 50 59.4–.72 21.5S–.20 177.9W–.10 350 4.1b,3.9
NEIC VIII 03 19 50 59.4–.62 21.45S 177.75W 350 4.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=587.3km s-min=154.9km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=13.5km az=144.4.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=12.7km az=145.0.
ISC VIII 03 20 43 58.5–.28 19.70S–.05 179.07W–.05 668 4.5b 395 9-160
BJI VIII 03 20 43 56.0 19.70S 179.10W 648 5.0b,4.4b ¶601518045
ISCJB VIII 03 20 43 57.5–.13 19.73S–.03 179.20W–.04 668 4.5b,4.4b
NEIC VIII 03 20 43 57.2–.43 19.65S 179.14W 645–5 4.6b,4.4b
IDC VIII 03 20 43 58.5–1.2 19.68S 179.11W 665–15 4.7,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=41.4.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=127.0.
IDC Error ellipse: s-maj=12.7km s-min=9.5km az=154.0.
ISC VIII 04 03 09 12.5–.81 17.5S–.20 176.7W–.20 24 4.1b,3.9s 27 6-150
IDC VIII 04 03 09 08.7–.79 17.47S 176.66W 0 4.2,4.0 ¶601534032
ISCJB VIII 04 03 09 10.8–.56 17.5S–.20 176.8W–.10 24 4.0b,3.9s
NEIC VIII 04 03 09 14.0–.44 17.50S 176.74W 35 4.2b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=16.9km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=11.8km az=145.7.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=9.4km az=146.0.
IDC VIII 04 04 02 11.6–7.7 16.87S 179.39W 0 3.7,3.5
¶601765434

IDC Error ellipse: s-maj=343.3km s-min=35.7km az=142.0.
IDC VIII 04 06 19 57.1–5.6 16.47S 177.47W 0 4.2,3.8b
¶601534033

IDC Error ellipse: s-maj=271.9km s-min=32.0km az=143.0.
ISC VIII 04 09 11 23.5–.67 18.0S–.10 178.6W–.10 579 4.0b 23 15-148
ISCJB VIII 04 09 11 22.7–.58 18.0S–.10 178.6W–.10 579 4.0b ¶601765443
IDC VIII 04 09 11 22.4–3.2 18.10S 178.47W 566–37 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=12.8km az=161.2.
IDC Error ellipse: s-maj=19.2km s-min=17.3km az=12.0.
IDC VIII 04 12 40 11.3–10 15.72S 178.43W 0 3.8,3.6
¶601765450

IDC Error ellipse: s-maj=534.4km s-min=42.9km az=140.0.
IDC VIII 04 14 20 08.8–2.4 20.35S 177.97W 468–32 4.2,3.4
¶601765455

IDC Error ellipse: s-maj=63.1km s-min=16.6km az=137.0.
IDC VIII 04 14 59 48.2–59 16.74S 178.55W 0 4.2,4.0
¶601765458

IDC Error ellipse: s-maj=1075.0km s-min=158.6km az=77.0.
ISC VIII 04 15 47 42.0–.64 20.7S–.10 177.5W–.10 350 3.7b 19 9-151
ISCJB VIII 04 15 47 41.9–.61 20.76S–.09 177.5W–.10 350 3.8b ¶601765460
IDC VIII 04 15 47 43.6–2.4 20.66S 177.53W 356–24 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=10.9km az=37.5.
IDC Error ellipse: s-maj=18.5km s-min=14.1km az=154.0.
IDC VIII 04 20 35 29.3–5.9 17.89S 176.58W 0 4.1,3.9
¶601765467

IDC Error ellipse: s-maj=290.7km s-min=40.9km az=146.0.
ISC VIII 05 00 21 24.4–.41 19.30S–.08 177.68W–.09 600 4.7b 158 8-172
WEL VIII 05 00 20 15.0 15.98S 173.97W 180 4.7b ¶601520343
NEIC VIII 05 00 20 15.7–.78 15.98S 173.97W 180–11 4.9b
BJI VIII 05 00 20 15.0 15.90S 174.20W 173 5.0b,4.9b
ISCJB VIII 05 00 21 23.2–.42 19.44S–.05 177.72W–.08 600 4.5b,4.9b
IDC VIII 05 00 21 24.7–1.8 19.27S 177.70W 597–20 4.6,3.7
ISC Event type se.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=172.5.
IDC Error ellipse: s-maj=11.2km s-min=10.3km az=155.0.
ISC VIII 05 11 12 32.4–1.4 15.5S–.30 178.6W–.20 450 3.4b 11 45-145
ISCJB VIII 05 11 12 31.7–1.2 15.4S–.30 178.7W–.20 450 3.4b ¶601765491
IDC VIII 05 11 12 32.4–8.7 15.48S 178.53W 448–98 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=47.5km s-min=18.4km az=153.8.
IDC Error ellipse: s-maj=41.6km s-min=24.6km az=154.0.
IDC VIII 05 12 15 50.4–10 18.78S 178.12W 453–111 3.7,3.2
¶601765494

IDC Error ellipse: s-maj=34.7km s-min=25.1km az=81.0.
ISC VIII 05 13 55 11.0–.23 21.07S–.03 178.31W–.03 486–2 5.5b 1937 8-176
ISCJB VIII 05 13 55 07.5–.47 20.95S–.02 178.37W–.02 452–5 5.4b ¶604029654
NEIC VIII 05 13 55 10.4–.07 21.15S 178.36W 484 5.9W,5.8W
NEIC VIII 05 13 55 10.0–.00 21.05S 178.25W 490 5.9W,5.8W
IDC VIII 05 13 55 10.3–.43 21.11S 178.31W 475–4 5.7,4.9
WEL VIII 05 13 55 10.0 21.15S 178.36W 484 5.7,4.9
BJI VIII 05 13 55 10.8 21.07S 178.30W 484 5.6b,5.5b
MOS VIII 05 13 55 11.4–.95 20.92S 178.43W 491 5.5b,5.5b
GCMT VIII 05 13 55 14.4–.10 21.03S–.01 178.26W–.01 491–0 5.8W,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.44 $M_{\theta\theta}$3.84 $M_{\phi\phi}$1.59 $M_{r\theta}$-5.21 $M_{\theta\phi}$0.47 $M_{\phi r}$-2.98 Best double couple: NP1:ϕ_s64.00000° ,δ71.00000°,λ-95.00000°. NP2:ϕ_s260.00000°,δ20.00000°,λ-75.00000°. Principal axes: T 6.7600,Plg26.0000°,Azm159.0000°; N 1.6700,Plg5.0000°,Azm66.0000° ; P -8.4200,Plg63.0000°,Azm326.0000° M_o7.70000×10^{17}
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.69 $M_{\theta\theta}$1.77 $M_{\phi\phi}$1.92 $M_{r\theta}$-3.56 $M_{\theta\phi}$1.18 $M_{\phi r}$-2.65 Best double couple: NP1:ϕ_s51.00000° ,δ71.00000°,λ-86.00000°. NP2:ϕ_s219.00000°,δ19.00000°,λ-100.00000°. Principal axes: T 5.2000,Plg26.0000°,Azm138.0000°; N 0.7100,Plg3.0000°,Azm229.0000° ; P -5.9200,Plg63.0000°,Azm326.0000° M_o5.60000×10^{17}
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s125,c261; s69,c73;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.63±.05 $M_{\theta\theta}$1.43±.09; $M_{\phi\phi}$2.20±.09; $M_{r\theta}$-4.25±.08; $M_{\theta\phi}$0.33±.08; $M_{\phi r}$-3.05±.08; Best double couple: NP1:ϕ_s51.00000°,δ76.00000°,λ-85.00000°. NP2:ϕ_s212.00000°,δ15.00000°,λ-108.00000°. Principal axes: T 5.1720,Plg31.0000° ,Azm137.0000°; N 1.5890,Plg5.0000°,Azm230.0000°; P -6.7620,Plg59.0000°,Azm328.0000° M_o5.96700×10^{17}
IDC VIII 05 14 15 35.2–16 20.34S 179.09W 640–218 3.9,3.0
¶601765497

IDC Error ellipse: s-maj=116.1km s-min=66.6km az=145.0.
IDC VIII 06 16 34 00.1–2.1 17.75S 178.77W 510–27 4.0,3.3
¶601765563

IDC Error ellipse: s-maj=86.0km s-min=16.7km az=155.0.
ISC VIII 07 14 26 06.8–.66 21.1S–.10 178.26W–.10 550 4.4b 26 9-151
ISCJB VIII 07 14 26 05.9–.69 21.27S–.09 178.3W–.10 550 4.2b ¶601765609
IDC VIII 07 14 26 07.0–1.8 20.99S 178.47W 529–19 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=10.5km az=35.2.
IDC Error ellipse: s-maj=22.2km s-min=12.6km az=157.0.
IDC VIII 07 15 18 24.2–11 18.75S 177.76W 623–130 3.3,2.6
¶601765612

IDC Error ellipse: s-maj=291.9km s-min=38.6km az=156.0.
ISC VIII 07 23 47 59.2–.34 17.58S–.07 178.93W–.06 500 4.5b 244 8-176
ISCJB VIII 07 23 47 58.3–.23 17.58S–.05 178.95W–.04 500 4.4b ¶601532041
BJI VIII 07 23 47 58.7 17.60S 178.90W 511 5.0b,4.6b
NEIC VIII 07 23 48 00.2–.79 17.60S 178.88W 516–9 4.7b,4.6b
IDC VIII 07 23 48 00.3–1.3 17.59S 178.87W 513–14 4.8,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=148.5.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=150.0.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=156.0.
IDC VIII 08 09 05 45.4–5.7 15.76S 177.17W 0 4.4,4.2
¶601765642

IDC Error ellipse: s-maj=275.0km s-min=89.0km az=151.0.
ISC VIII 08 13 17 22.0–1.8 16.2S–.70 177.6W–.40 35 4.0b,3.5s 9 6-144
IDC VIII 08 13 17 16.7–2.3 16.34S 177.48W 0 4.2,3.8 ¶601565557
NEIC VIII 08 13 17 18.1–.97 16.24S 177.59W 10 4.2b,3.8
ISCJB VIII 08 13 17 20.4–1.3 16.3S–.50 177.6W–.30 33 3.9b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 08 17 20 35.5–6.3 19.69S 176.94W 0 4.1,4.0
¶601765664

IDC Error ellipse: s-maj=176.5km s-min=101.1km az=140.0.
ISC VIII 09 08 24 50.2–.86 16.2S–.20 176.7W–.20 382 3.7b 10 5-149
ISCJB VIII 09 08 24 48.9–.77 16.2S–.20 176.7W–.20 382 3.6b ¶601765688
IDC VIII 09 08 24 49.3–2.0 16.15S 176.71W 370–22 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.1km s-min=15.2km az=144.8.
IDC Error ellipse: s-maj=31.8km s-min=14.6km az=141.0.
ISC VIII 09 17 24 03.3–.37 18.14S–.08 178.86W–.06 562 4.4b 117 8-175
ISCJB VIII 09 17 24 02.4–.28 18.17S–.06 178.90W–.05 562 4.4b ¶601533532
NEIC VIII 09 17 24 02.2–.81 18.18S 178.91W 547–9 4.4b
IDC VIII 09 17 24 05.7–1.2 18.25S 179.04W 583–14 4.8,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.7km az=151.8.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.3km az=148.0.
IDC Error ellipse: s-maj=9.5km s-min=9.3km az=31.0.
ISC VIII 10 06 42 15.8–.81 17.2S–.20 176.8W–.10 35 4.2s,3.8b 11 12-145
IDC VIII 10 06 42 12.1–1.9 16.29S 177.74W 0 4.2s,4.2 ¶601551759
GCMT VIII 10 06 42 23.0–.10 17.03S–.01 176.88W–.01 16–0 5.2W,4.2
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s62,c89; s117,c200;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$-0.69±.01; $M_{\phi\phi}$0.77±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$0.34±.04; Best double couple: NP1: ϕ_s315.00000°,δ81.00000°,λ162.00000°. NP2:ϕ_s48.00000°,δ72.00000°,λ10.00000°. Principal axes: T 0.8940,Plg19.0000°,Azm270.0000°; N -0.2020,Plg70.0000°,Azm109.0000° ; P -0.6920,Plg6.0000°,Azm2.0000° M_o0.79300×10^{17}
ISC VIII 10 23 29 40.6–.39 17.86S–.09 178.53W–.06 579 4.4b 206 8-175
ISCJB VIII 10 23 29 40.0–.22 17.76S–.06 178.64W–.05 579 4.3b ¶601551769
IDC VIII 10 23 29 41.3–1.2 17.96S 178.42W 590–14 4.7,3.9
NEIC VIII 10 23 29 42.2–.33 17.61S 178.71W 592–4 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.6km az=149.8.
IDC Error ellipse: s-maj=15.4km s-min=9.5km az=157.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.8km az=148.0.
IDC VIII 11 14 19 46.9–10 17.28S 178.82W 573–123 3.9,3.4
¶601765753

IDC Error ellipse: s-maj=123.9km s-min=32.8km az=149.0.
ISC VIII 11 19 44 33.0–.65 18.8S–.10 177.7W–.10 600 3.8b 20 7-149
ISCJB VIII 11 19 44 32.1–.54 18.8S–.10 177.72W–.10 600 3.8b ¶601765760
IDC VIII 11 19 44 33.5–1.2 18.82S 177.64W 606–16 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=9.4km az=142.6.
IDC Error ellipse: s-maj=14.6km s-min=11.0km az=131.0.
IDC VIII 12 15 58 46.2–13 17.18S 178.80W 522–167 3.6,3.2
¶601765779

IDC Error ellipse: s-maj=125.4km s-min=39.2km az=160.0.
ISC VIII 12 16 17 44.8–.70 17.4S–.20 176.64W–.10 350 4.3b 52 6-150
NEIC VIII 12 16 17 43.6–1.1 17.60S 176.59W 338–10 4.4b ¶601553259
ISCJB VIII 12 16 17 44.2–.47 17.4S–.10 176.72W–.08 350 4.3b
IDC VIII 12 16 17 44.1–1.4 17.35S 176.80W 332–13 4.5,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=6.6km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=6.9km az=157.2.
IDC Error ellipse: s-maj=20.0km s-min=9.4km az=155.0.
ISC VIII 12 18 35 33.6–1.4 20.9S–.30 178.3W–.20 579 3.8b 24 9-153
IDC VIII 12 18 35 31.8–2.2 21.01S 178.28W 559–21 4.3,3.5 ¶601765783
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=13.7km az=148.0.
ISC VIII 13 07 57 26.5–.52 20.84S–.10 178.45W–.09 579 3.9b 36 9-161
ISCJB VIII 13 07 57 25.5–.44 20.85S–.07 178.45W–.10 579 3.8b ¶601765797
IDC VIII 13 07 57 25.4–1.6 20.91S 178.46W 562–17 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.8km az=32.8.
IDC Error ellipse: s-maj=14.0km s-min=10.7km az=117.0.
ISC VIII 13 09 35 18.4–.34 17.60S–.07 178.64W–.07 547 4.3b 238 8-176
NEIC VIII 13 09 35 16.9–.48 17.62S 178.69W 526–5 4.5b ¶601554384
IDC VIII 13 09 35 16.5–1.3 17.61S 178.71W 517–14 4.7,3.9
ISCJB VIII 13 09 35 18.0–.28 17.64S–.06 178.80W–.06 547 4.3b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 13 16 06 04.2–.97 17.7S–.20 178.4W–.10 547 3.9b 20 7-150
IDC VIII 13 16 06 02.9–1.8 17.68S 178.47W 526–18 4.4,3.6 ¶601765806
ISCJB VIII 13 16 06 03.7–.99 17.6S–.20 178.5W–.10 547 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 13 17 39 40.2–.82 20.2S–.20 177.5W–.10 500 3.8b 27 8-150
ISCJB VIII 13 17 39 39.5–.70 20.2S–.10 177.5W–.10 500 3.7b ¶601765807
IDC VIII 13 17 39 39.3–2.2 20.27S 177.54W 486–24 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=10.7km az=140.1.
IDC Error ellipse: s-maj=23.7km s-min=13.9km az=144.0.
IDC VIII 14 02 09 14.4–9.5 16.78S 176.81W 0 4.9,4.7b
¶601765819

IDC Error ellipse: s-maj=502.5km s-min=46.4km az=143.0.
ISC VIII 15 03 39 31.6–1.2 20.4S–.10 178.06W–.09 508–12 4.2b 196 9-173
ISCJB VIII 15 03 39 30.1–1.1 20.2S–.10 178.20W–.06 485–11 4.3b ¶601734946
IDC VIII 15 03 39 33.2–1.9 20.57S 177.93W 525–19 4.7,3.9
NEIC VIII 15 03 39 35.9–1.1 20.49S 178.12W 553–12 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=6.1km az=154.6.
IDC Error ellipse: s-maj=17.5km s-min=11.3km az=149.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.8km az=153.0.
ISC VIII 15 21 14 50.2–.85 20.7S–.20 178.7W–.10 587 3.8b 29 14-153
ISCJB VIII 15 21 14 49.1–.95 20.7S–.20 178.7W–.20 587 3.8b ¶601765902
IDC VIII 15 21 14 49.4–4.5 20.77S 178.66W 575–45 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.3km s-min=18.5km az=160.6.
IDC Error ellipse: s-maj=31.9km s-min=27.0km az=134.0.
IDC VIII 16 00 43 15.0–1.2 18.64S 176.88W 134–6 4.1,3.8
¶601765910

IDC Error ellipse: s-maj=38.3km s-min=24.0km az=139.0.
ISC VIII 16 06 35 39.7–.35 18.48S–.04 177.76W–.04 570–3 5.0b 948 7-175
BJI VIII 16 06 35 37.5 18.07S 177.44W 549 5.0b,4.7b ¶601564035
ISCJB VIII 16 06 35 37.7–.46 18.48S–.03 177.86W–.02 554–5 4.9b,4.7b

MOS VIII 16 06 35 37.6–1.0 18.37S 177.87W 548 5.0b,4.7b
NEIC VIII 16 06 35 38.8–.39 18.46S 177.86W 557–4 5.0b,4.7b
IDC VIII 16 06 35 39.8–.57 18.42S 177.82W 568–6 5.3,4.5
GCMT VIII 16 06 35 41.8–.60 18.51S–.06 177.44W–.06 565–3 5.4W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s56,c70;Duration: 1$s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.06 $M_{\theta\theta}$0.71±.11; $M_{\phi\phi}$-0.07±.10; $M_{r\theta}$0.72±.10; $M_{\theta\phi}$0.79±.09; $M_{\phi r}$0.95±.10; Best double couple: NP1: ϕ_s215.00000°,δ74.00000°,λ-113.00000°. NP2:ϕ_s93.00000°,δ27.00000°,λ-36.00000°. Principal axes: T 1.7340,Plg26.0000°,Azm323.0000°; N -0.3830,Plg22.0000°,Azm222.0000°; P -1.3500,Plg55.0000°,Azm97.0000° $M_0$1.54200×10^{17}

IDC VIII 16 08 41 24.2–33 20.37S 178.48W 477–305 3.9,3.1
¶601765927

IDC Error ellipse: s-maj=253.0km s-min=159.6km az=132.0.
IDC VIII 16 10 54 07.5–2.2 17.18S 177.48W 0 4.0,3.7
¶601765937

IDC Error ellipse: s-maj=125.7km s-min=27.5km az=151.0.
ISC VIII 16 12 21 55.3–.38 17.82S–.06 177.40W–.07 350 4.2b 114 7-151
ISCJB VIII 16 12 21 54.5–.25 17.72S–.04 177.46W–.06 350 4.2b **¶601564323**
NEIC VIII 16 12 21 56.2–.94 17.71S 177.43W 355–9 4.4b
IDC VIII 16 12 21 56.3–1.9 17.73S 177.44W 354–19 4.5,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=28.2.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.6km az=125.0.
IDC Error ellipse: s-maj=12.6km s-min=9.9km az=119.0.
ISC VIII 16 12 40 54.8–.87 20.2S–.20 177.9W–.20 500 3.8b 18 9-150
ISCJB VIII 16 12 40 54.2–.73 20.2S–.20 177.9W–.10 500 3.6b **¶601765942**
IDC VIII 16 12 40 54.4–1.9 20.17S 177.82W 491–22 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.3km s-min=9.5km az=141.6.
IDC Error ellipse: s-maj=30.1km s-min=14.0km az=145.0.
IDC VIII 17 00 01 21.2–11 17.37S 178.19W 590–145 3.9,3.4
¶601765962

IDC Error ellipse: s-maj=119.4km s-min=37.5km az=161.0.
ISC VIII 17 09 33 20.3–1.2 21.0S–.10 179.1W–.20 619 3.9b 13 18-150
ISCJB VIII 17 09 33 18.8–1.4 20.9S–.10 179.1W–.20 619 3.9b **¶601765976**
IDC VIII 17 09 33 18.5–3.1 21.01S 178.97W 603–31 4.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.6km s-min=14.4km az=171.2.
IDC Error ellipse: s-maj=27.2km s-min=22.2km az=84.0.
ISC VIII 18 00 44 14.2–.76 19.8S–.20 178.3W–.10 602 4.0b 27 9-152
ISCJB VIII 18 00 44 13.1–.66 19.9S–.10 178.3W–.10 602 4.0b **¶601766024**
IDC VIII 18 00 44 13.9–1.5 19.87S 178.31W 598–16 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=11.1km az=152.4.
IDC Error ellipse: s-maj=22.6km s-min=11.3km az=154.0.
ISC VIII 18 06 43 17.8–.55 20.5S–.10 178.3W–.10 587 4.0b 36 14-153
ISCJB VIII 18 06 43 16.6–.48 20.53S–.09 178.33W–.10 587 3.9b **¶601766034**
IDC VIII 18 06 43 16.8–2.1 20.47S 178.30W 572–24 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=10.8km az=43.0.
IDC Error ellipse: s-maj=12.6km s-min=11.9km az=148.0.
ISC VIII 18 08 56 38.5–.72 17.5S–.20 178.9W–.10 539 3.6b 28 8-150
ISCJB VIII 18 08 56 37.8–.60 17.5S–.20 178.9W–.10 539 3.7b **¶601565854**
IDC VIII 18 08 56 38.4–1.8 17.47S 178.90W 535–22 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=11.3km az=148.2.
IDC Error ellipse: s-maj=24.2km s-min=12.5km az=150.0.
ISC VIII 19 09 58 14.7–.58 19.2S–.10 177.6W–.10 550 3.9b 24 8-152
ISCJB VIII 19 09 58 14.1–.56 19.3S–.10 177.6W–.10 550 3.6b **¶601582264**
IDC VIII 19 09 58 15.2–1.8 19.31S 177.52W 553–19 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=9.7km az=137.1.
IDC Error ellipse: s-maj=17.0km s-min=15.4km az=116.0.
ISC VIII 19 11 57 50.3–.48 20.69S–.08 177.84W–.09 350 3.9b 36 9-150
ISCJB VIII 19 11 57 50.0–.46 20.71S–.07 177.95W–.10 350 3.8b **¶601582266**
IDC VIII 19 11 57 50.0–2.2 20.69S 177.93W 338–21 4.4,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=8.4km az=21.0.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=137.0.
ISC VIII 19 14 13 17.5–1.0 21.1S–.20 178.8W–.20 619 3.4b 11 17-151
ISCJB VIII 19 14 13 16.5–.86 21.2S–.20 178.8W–.20 619 3.5b **¶601766154**
IDC VIII 19 14 13 18.0–4.4 21.14S 178.78W 625–56 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.3km s-min=17.1km az=145.4.
IDC Error ellipse: s-maj=41.9km s-min=23.5km az=175.0.
IDC VIII 19 18 14 20.4–45 18.74S 176.36W 492–394 4.1,3.4
¶601766157

IDC Error ellipse: s-maj=369.4km s-min=146.4km az=114.0.
IDC VIII 19 18 44 12.4–4.5 20.56S 176.04W 0 3.9,3.7b
¶601766158

IDC Error ellipse: s-maj=292.7km s-min=32.0km az=155.0.
IDC VIII 19 19 18 36.3–34 17.67S 178.41W 479–322 4.2,3.4
¶601766161

IDC Error ellipse: s-maj=276.7km s-min=138.3km az=130.0.
ISC VIII 19 20 54 05.9–.61 15.9S–.20 177.1W–.10 35 4.7s,4.1b 40 5-149
IDC VIII 19 20 54 00.1–.74 15.99S 177.00W 0 4.6,4.6 **¶601566537**
ISCJB VIII 19 20 54 03.6–.56 16.0S–.10 177.0W–.10 33 4.7s,4.0b
GCMT VIII 19 20 54 08.0–.10 15.44S–.01 177.11W–.01 12 5.2W,4.0b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s81,c124; s121,c214;Duration: 1$s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.01 $M_{\theta\theta}$-0.39±.01; $M_{\phi\phi}$0.26±.01; $M_{r\theta}$0.08±.03; $M_{\theta\phi}$0.87±.01; $M_{\phi r}$-0.15±.03; Best double couple: NP1: ϕ_s350.00000°,δ89.00000°,λ-170.00000°. NP2:ϕ_s260.00000°,δ80.00000°,λ-1.00000°. Principal axes: T 0.8710,Plg6.0000°,Azm124.0000°; N 0.1390,Plg80.0000°,Azm357.0000°; P -1.0110,Plg8.0000°,Azm215.0000° $M_0$0.94100×10^{17}

IDC VIII 19 22 35 00.2–5.7 18.23S 176.46W 0 4.0,3.8
¶601766169

IDC Error ellipse: s-maj=289.7km s-min=47.6km az=148.0.
ISC VIII 20 00 13 13.1–.89 19.1S–.20 176.6W–.20 250 3.9b 17 7-152
ISCJB VIII 20 00 13 12.1–.78 19.1S–.20 176.7W–.10 250 3.7b **¶601766173**
IDC VIII 20 00 13 13.8–2.3 19.13S 176.58W 257–23 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=8.7km az=141.1.
IDC Error ellipse: s-maj=23.6km s-min=13.9km az=141.0.
ISC VIII 20 00 48 44.8–.46 15.47S–.09 177.22W–.09 10 4.3s,4.3b 55 5-159
ISCJB VIII 20 00 48 43.4–.37 15.50S–.07 177.36W–.07 10 4.3s,4.2b **¶601615454**
IDC VIII 20 00 48 43.4–.60 15.49S 177.28W 0 4.3,4.3
NEIC VIII 20 00 48 44.2–2.9 15.47S 177.26W 6–18 4.4b,4.3
GCMT VIII 20 00 48 52.2–.40 15.41S–.02 177.20W–.02 15 5.2W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s85,c104;Duration: 1$s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.03 $M_{\theta\theta}$-0.46±.03; $M_{\phi\phi}$0.32±.03; $M_{r\theta}$-0.04±.10; $M_{\theta\phi}$0.39±.03; $M_{\phi r}$0.76±.10; Best double couple: NP1:ϕ_s339.00000°,δ84.00000°,λ128.00000°. NP2:ϕ_s76.00000°,δ39.00000°,λ10.00000°. Principal axes: T 1.0420,Plg39.0000°,Azm283.0000°; N -0.2350,Plg38.0000°,Azm154.0000°; P -0.8060,Plg28.0000°,Azm39.0000° $M_0$0.92400×10^{17}

ISC VIII 20 02 15 37.0–.82 16.5S–.30 176.7W–.10 10 4.5s,4.4b 46 5-149
IDC VIII 20 02 15 34.0–1.4 16.64S 176.60W 0 4.4,4.4 **¶601566539**
ISCJB VIII 20 02 15 35.3–.64 16.5S–.20 176.78W–.09 10 4.5s,4.3b
NEIC VIII 20 02 15 39.9–.89 16.55S 176.69W 35 4.6b,4.3b
GCMT VIII 20 02 15 41.8–.20 15.45S–.01 177.13W–.01 16–1 5.2W,4.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c55; s108,c179;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.20 $M_{\theta\theta}$-3.55±.19; $M_{\phi\phi}$3.10±.17; $M_{r\theta}$-0.30±.50; $M_{\theta\phi}$6.51±.17; $M_{\phi r}$-0.12±.50; Best double couple: NP1:ϕ_s256.00000°,δ89.00000°,λ3.00000°. NP2:ϕ_s166.00000°,δ87.00000°,λ179.00000°. Principal axes: T 7.0950,Plg2.0000°,Azm122.0000°; N 0.4500,Plg87.0000°,Azm269.0000°; P -7.5400,Plg1.0000°,Azm31.0000° $M_0$7.31700×10^{16}

ISC VIII 20 08 23 54.3–.76 15.4S–.30 176.2W–.10 17 4.3b,3.9s 22 5-146
IDC VIII 20 08 23 51.7–.76 15.33S 176.33W 0 4.3,4.1L **¶601615457**
NEIC VIII 20 08 23 53.5–.58 14.76S 176.51W 10 4.7b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=17.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=12.0km az=153.0.
ISC VIII 20 21 09 33.0–1.0 16.4S–.30 176.5W–.20 379 3.4b 7 23-145
ISCJB VIII 20 21 09 31.7–.97 16.4S–.20 176.5W–.20 379 3.5b **¶601766218**
IDC VIII 20 21 09 31.3–14 16.38S 176.42W 361–157 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.9km s-min=20.5km az=145.5.
IDC Error ellipse: s-maj=62.9km s-min=23.5km az=179.0.
ISC VIII 21 09 39 20.5–.93 15.3S–.20 177.5W–.10 350 3.9b 14 6-144
ISCJB VIII 21 09 39 19.5–.78 15.4S–.20 177.5W–.10 350 3.8b **¶601766243**
IDC VIII 21 09 39 20.8–2.1 15.25S 177.43W 355–24 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=12.4km az=165.3.
IDC Error ellipse: s-maj=24.9km s-min=16.9km az=180.0.
IDC VIII 21 11 49 37.3–1.9 19.60S 177.41W 554–25 3.8,3.1
¶601766252

IDC Error ellipse: s-maj=32.0km s-min=19.0km az=133.0.
IDC VIII 22 18 40 42.0–6.1 15.12S 178.30W 0 4.0,3.7b
¶601766321

IDC Error ellipse: s-maj=305.5km s-min=31.2km az=143.0.
ISC VIII 22 23 43 52.9–.69 16.7S–.20 177.4W–.10 400 3.7b 16 6-146
ISCJB VIII 22 23 43 51.7–.59 16.8S–.20 177.4W–.10 400 3.6b **¶601766327**
IDC VIII 22 23 43 51.6–1.3 16.71S 177.48W 380–14 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.5km s-min=8.5km az=153.9.
IDC Error ellipse: s-maj=28.8km s-min=10.9km az=152.0.
ISC VIII 23 00 17 34.3–.88 20.2S–.20 178.5W–.20 602 3.5b 14 18-147
IDC VIII 23 00 17 27.4–4.5 20.06S 178.36W 513–51 4.0,3.4 **¶601766330**
ISCJB VIII 23 00 17 33.1–.75 20.3S–.20 178.5W–.20 602 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 23 01 39 41.7–7.1 17.12S 178.79W 527–85 3.9,3.4
¶601766332

IDC Error ellipse: s-maj=107.7km s-min=24.2km az=158.0.
IDC VIII 23 05 39 20.2–3.8 17.38S 178.46W 0 4.1,3.8
¶601766338

IDC Error ellipse: s-maj=267.9km s-min=30.5km az=153.0.
IDC VIII 23 10 24 02.4–1.6 17.45S 178.69W 564–43 4.3,3.5
¶601766352

IDC Error ellipse: s-maj=104.0km s-min=21.4km az=145.0.
ISC VIII 23 10 54 52.7–.52 17.44S–.09 178.62W–.08 550 4.6b 63 7-176
ISCJB VIII 23 10 54 51.6–.43 17.51S–.07 178.68W–.07 550 4.6b **¶601614682**
IDC VIII 23 10 54 51.2–1.2 17.45S 178.66W 526–14 4.8,4.0
NEIC VIII 23 10 54 51.5–.76 17.45S 178.69W 534–9 4.7b,4.0
BJI VIII 23 10 54 58.8 17.90S 179.40W 584 5.0b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=149.7.
IDC Error ellipse: s-maj=14.3km s-min=12.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.8km az=135.0.
ISC VIII 23 11 22 17.0–.88 17.4S–.20 178.8W–.20 539 3.1b 12 44-92
ISCJB VIII 23 11 22 16.1–.71 17.5S–.20 178.8W–.20 539 3.3b **¶601766354**
IDC VIII 23 11 22 17.2–8.9 17.41S 178.81W 539–104 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.7km s-min=18.4km az=137.7.
IDC Error ellipse: s-maj=33.1km s-min=22.5km az=112.0.
ISC VIII 23 12 04 33.6–.62 19.1S–.10 177.6W–.10 570 3.7b 20 8-149
ISCJB VIII 23 12 04 32.6–.56 19.2S–.10 177.6W–.10 570 3.6b **¶601766357**
IDC VIII 23 12 04 32.5–1.4 19.14S 177.58W 551–17 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=9.1km az=143.4.
IDC Error ellipse: s-maj=18.7km s-min=13.0km az=138.0.
IDC VIII 23 23 47 47.7–2.8 16.28S 178.44W 0 4.1,3.7
¶601766371

IDC Error ellipse: s-maj=338.7km s-min=33.9km az=158.0.
ISC VIII 24 18 50 50.8–1.0 17.7S–.30 178.2W–.20 550 3.9b 22 34-150
IDC VIII 24 18 50 58.2–4.0 17.73S 178.43W 630–44 4.3,3.4 **¶601766412**
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=19.7km az=139.0.
ISC VIII 24 23 26 27.1–.83 15.6S–.20 177.0W–.10 400 3.7b 10 5-144
ISCJB VIII 24 23 26 25.8–.73 15.6S–.20 177.1W–.10 400 3.7b **¶601766419**
IDC VIII 24 23 26 27.0–2.0 15.62S 177.02W 402–25 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.6km s-min=13.1km az=154.3.
IDC Error ellipse: s-maj=29.6km s-min=16.0km az=149.0.
IDC VIII 26 00 00 38.3–7.3 17.54S 178.17W 562–77 3.7,3.1
¶601766470

IDC Error ellipse: s-maj=149.6km s-min=30.7km az=150.0.
ISC VIII 26 00 59 44.3–.83 19.8S–.20 177.6W–.10 550 3.5b 17 8-150
ISCJB VIII 26 00 59 42.9–.77 19.9S–.20 177.6W–.10 550 3.5b **¶601766471**
IDC VIII 26 00 59 43.5–2.0 19.98S 177.64W 536–23 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.1km s-min=10.5km az=143.2.
IDC Error ellipse: s-maj=29.8km s-min=14.5km az=153.0.
IDC VIII 26 11 41 25.6–2.6 19.18S 177.23W 0 4.5s,4.5
¶601766501

IDC Error ellipse: s-maj=210.1km s-min=23.3km az=157.0.
IDC VIII 26 14 11 16.8–2.1 19.27S 176.96W 0 4.4,4.0b
¶601766504

IDC Error ellipse: s-maj=131.1km s-min=23.6km az=154.0.
IDC VIII 26 19 43 14.7–21 18.06S 177.50W 455–191 3.7,3.1
¶601766513

IDC Error ellipse: s-maj=183.7km s-min=69.3km az=125.0.
ISC VIII 27 00 26 21.6–.55 20.5S–.10 178.02W–.10 534 4.0b 44 9-173
ISCJB VIII 27 00 26 21.6–.53 20.51S–.08 178.2W–.10 534 4.0b **¶601766520**
IDC VIII 27 00 26 23.4–2.2 20.63S 178.14W 549–23 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=10.0km az=17.2.
IDC Error ellipse: s-maj=21.1km s-min=11.6km az=152.0.
ISC VIII 27 06 40 39.4–.77 17.9S–.20 178.4W–.10 579 3.9b 19 7-145
IDC VIII 27 06 40 37.1–1.5 17.86S 178.48W 539–18 4.4,3.7 **¶601766550**
ISCJB VIII 27 06 40 38.7–.64 17.9S–.20 178.44W–.10 579 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 27 20 44 01.5–.52 18.2S–.10 177.50W–.10 350 3.9b 36 7-151
ISCJB VIII 27 20 44 00.7–.45 18.15S–.09 177.54W–.09 350 3.8b **¶601766588**
IDC VIII 27 20 44 00.3–2.0 18.28S 177.61W 332–19 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=7.9km az=140.6.
IDC Error ellipse: s-maj=15.5km s-min=10.8km az=118.0.
IDC VIII 27 23 52 19.4–29 16.29S 177.67W 0 4.6s,4.5
¶601766593

IDC Error ellipse: s-maj=564.1km s-min=145.4km az=83.0.
IDC VIII 28 22 14 58.5–14 17.26S 178.75W 529–166 3.6,3.1
¶601755533

IDC Error ellipse: s-maj=126.8km s-min=50.7km az=162.0.
ISC VIII 29 12 23 23.8–.43 20.57S–.08 178.15W–.08 534 4.3b 179 9-160
NEIC VIII 29 12 23 20.7–.79 20.49S 178.11W 501–9 4.4b **¶601650898**
ISCJB VIII 29 12 23 22.6–.20 20.57S–.05 178.21W–.05 534 4.3b
IDC VIII 29 12 23 24.6–1.9 20.47S 178.15W 537–21 4.6,3.8

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.1km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=42.9.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=148.0.
ISC VIII 29 17 23 24.8–1.1 16.2S–.50 176.2W–.30 350 3.4b 12 5-145
ISCJB VIII 29 17 23 23.8–.94 16.1S–.50 176.4W–.20 350 3.3b **¶601755569**
IDC VIII 29 17 23 23.8–1.6 15.89S 176.47W 334–22 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=69.0km s-min=10.3km az=155.5.
IDC Error ellipse: s-maj=99.9km s-min=14.7km az=151.0.
ISC VIII 29 18 12 42.8–.52 18.0S–.10 178.57W–.10 579 3.9b 65 8-150
ISCJB VIII 29 18 12 42.1–.44 18.1S–.10 178.63W–.09 579 3.8b **¶601755572**
IDC VIII 29 18 12 46.7–2.1 18.01S 178.62W 621–24 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=9.3km az=148.3.
IDC Error ellipse: s-maj=15.2km s-min=10.2km az=147.0.
IDC VIII 30 10 58 44.7–2.7 19.88S 176.56W 0 4.0,3.6
¶601755610
IDC Error ellipse: s-maj=219.3km s-min=24.6km az=157.0.
IDC VIII 30 12 59 57.9–2.5 18.29S 177.20W 0 4.4,4.1
¶601755618
IDC Error ellipse: s-maj=259.6km s-min=31.5km az=160.0.
IDC VIII 30 18 40 27.4–8.7 19.85S 178.43W 423–95 4.2,3.6
¶601755634
IDC Error ellipse: s-maj=35.5km s-min=20.0km az=48.0.
IDC VIII 31 08 16 08.1–2.2 19.78S 178.50W 0 4.1,3.8
¶601755652
IDC Error ellipse: s-maj=156.9km s-min=24.9km az=153.0.
IDC VIII 31 09 17 08.8–6.6 15.04S 177.32W 314–132 4.0,3.5
¶601755655
IDC Error ellipse: s-maj=302.8km s-min=23.2km az=144.0.
IDC VIII 31 15 26 10.6–31 16.20S 176.72W 0 4.2,4.1
¶601755721
IDC Error ellipse: s-maj=593.5km s-min=146.8km az=84.0.
ISC VIII 31 21 47 23.9–1.5 17.5S–.50 178.4W–.30 547 3.6b 11 33-147
IDC VIII 31 21 47 32.0–5.4 17.61S 178.63W 645–60 3.9,3.1 **¶601755806**
ISC Event type ke.
IDC Error ellipse: s-maj=76.9km s-min=31.1km az=148.0.
ISC IX 01 13 08 57.5–2.1 20.6S–.40 177.5W–.30 500 3.9b 10 9-71
ISCJB IX 01 13 08 56.2–2.2 20.7S–.40 177.4W–.40 500 3.8b **¶601862720**
IDC IX 01 13 08 57.5–2.9 20.65S 177.60W 486–33 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=74.4km s-min=9.9km az=142.3.
IDC Error ellipse: s-maj=62.6km s-min=22.6km az=138.0.
ISC IX 02 02 27 39.7–1.2 15.1S–.40 177.9W–.20 379 3.5b 8 6-145
ISCJB IX 02 02 27 38.7–1.0 15.1S–.40 178.0W–.20 379 3.5b **¶601862760**
IDC IX 02 02 27 39.8–2.6 15.04S 177.92W 376–37 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=61.2km s-min=16.5km az=162.5.
IDC Error ellipse: s-maj=106.9km s-min=16.0km az=154.0.
ISC IX 02 09 37 30.1–.83 20.1S–.20 177.9W–.10 569 3.8b 18 9-150
IDC IX 02 09 37 27.9–2.0 20.05S 177.87W 541–24 4.4,3.7 **¶601862772**
ISCJB IX 02 09 37 29.2–.68 20.1S–.20 178.0W–.10 569 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 16 58 03.5–.77 18.7S–.10 177.7W–.10 600 3.8b 16 7-143
ISCJB IX 02 16 58 02.3–.69 18.8S–.10 177.8W–.10 600 3.8b **¶601862794**
IDC IX 02 16 58 04.8–1.4 18.76S 177.70W 620–19 4.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=12.8km az=141.6.
IDC Error ellipse: s-maj=15.9km s-min=12.8km az=143.0.
IDC IX 02 17 04 54.5–8.4 17.80S 178.59W 569–95 4.1,3.3
¶601862795
IDC Error ellipse: s-maj=113.0km s-min=38.3km az=155.0.
ISC IX 03 00 31 45.0–.82 21.3S–.20 178.4W–.10 536 3.9b 28 10-155
IDC IX 03 00 31 43.5–2.4 21.33S 178.41W 517–23 4.4,3.7 **¶601862828**
ISCJB IX 03 00 31 44.3–.79 21.3S–.20 178.5W–.10 536 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IX 03 04 50 23.6–46 16.10S 177.17W 0 4.2,4.1
¶601862836
IDC Error ellipse: s-maj=863.8km s-min=166.6km az=77.0.
ISC IX 03 07 20 02.2–1.8 17.1S–.60 178.9W–.40 600 3.5b 8 33-147
IDC IX 03 07 20 04.2–6.0 17.71S 178.71W 629–75 4.0,3.2 **¶601862847**
ISC Event type ke.
IDC Error ellipse: s-maj=99.4km s-min=28.0km az=153.0.
ISC IX 04 09 31 18.9–.57 17.7S–.10 178.7W–.10 547 3.7b 26 8-150
ISCJB IX 04 09 31 18.0–.47 17.8S–.10 178.75W–.09 547 3.7b **¶601862917**
IDC IX 04 09 31 18.4–1.8 17.75S 178.73W 538–21 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.5km az=146.2.
IDC Error ellipse: s-maj=18.1km s-min=12.0km az=139.0.
ISC IX 04 16 31 43.5–.49 21.52S–.05 178.80W–.06 506–5 4.7b 485 8-172
ISCJB IX 04 16 31 41.5–.66 21.49S–.04 178.92W–.04 484–7 4.6b **¶601674449**
BJI IX 04 16 31 41.7 21.60S 178.66W 503 4.8b,4.5b
NEIC IX 04 16 31 43.5–.10 21.56S 178.93W 503 4.7b,4.5b
WEL IX 04 16 31 43.0 21.56S 178.93W 503 4.7b,4.5b
IDC IX 04 16 31 44.2–1.5 21.46S 178.91W 506–17 4.7,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=36.3.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=129.0.
WEL manual. confirmed.
IDC Error ellipse: s-maj=10.8km s-min=9.3km az=155.0.
ISC IX 04 21 19 01.5–.79 17.5S–.10 178.8W–.20 547 4.0b 27 21-150
IDC IX 04 21 18 52.6–4.5 17.35S 178.55W 442–48 4.3,3.7 **¶601862947**
ISCJB IX 04 21 19 01.2–.87 17.3S–.20 178.9W–.20 547 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 05 05 39 32.6–1.2 20.8S–.40 178.9W–.20 619 3.8b 20 33-150
IDC IX 05 05 39 30.9–3.9 20.75S 178.83W 596–42 4.3,3.5 **¶601862969**
ISCJB IX 05 05 39 31.7–1.2 20.7S–.40 179.0W–.20 619 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC IX 05 08 05 52.6–6.6 19.55S 178.54W 623–77 4.0,3.3
¶601862974
IDC Error ellipse: s-maj=102.6km s-min=28.7km az=152.0.
ISC IX 05 12 58 56.7–1.0 15.9S–.30 177.4W–.10 350 3.4b 9 6-86
ISCJB IX 05 12 58 55.9–.82 15.9S–.20 177.5W–.10 350 3.5b **¶601862984**
IDC IX 05 12 58 56.6–2.3 15.87S 177.42W 349–45 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.9km s-min=10.3km az=157.7.
IDC Error ellipse: s-maj=44.0km s-min=23.5km az=35.0.
IDC IX 05 19 35 47.4–5.4 19.49S 178.28W 0 4.0,3.8
¶601863003
IDC Error ellipse: s-maj=194.7km s-min=61.9km az=138.0.
IDC IX 05 22 29 50.3–2.8 17.26S 177.23W 339–31 4.0,3.6
¶601863009
IDC Error ellipse: s-maj=121.4km s-min=20.2km az=153.0.
ISC IX 05 22 48 20.7–.37 17.63S–.07 177.69W–.06 392 4.5b 140 7-152
ISCJB IX 05 22 48 19.7–.28 17.58S–.05 177.64W–.05 392 4.4b **¶601676714**
IDC IX 05 22 48 21.8–2.0 17.58S 177.58W 404–21 4.5,4.0
NEIC IX 05 22 48 21.7–.86 17.64S 177.56W 407–9 4.6b,4.0
BJI IX 05 22 48 24.5 17.90S 177.60W 450 4.9b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=136.8.
IDC Error ellipse: s-maj=15.6km s-min=12.1km az=123.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.5km az=142.0.
IDC IX 06 04 41 32.7–3.1 21.83S 178.52W 342–33 4.0,3.6
¶601863028
IDC Error ellipse: s-maj=34.1km s-min=15.9km az=146.0.
ISC IX 06 07 10 06.2–.30 20.43S–.05 178.62W–.06 587 4.7b 539 9-173

BJI IX 06 07 10 05.5 20.03S 178.08W 600 4.9b,4.9b **¶601676736**
ISCJB IX 06 07 10 06.0–.16 20.33S–.04 178.79W–.04 587 4.6b,4.9b
NEIC IX 06 07 10 08.3–.58 20.38S 178.78W 606–7 4.6b,4.9b
IDC IX 06 07 10 09.2–1.5 20.36S 178.70W 616–17 5.0,4.2
MOS IX 06 07 10 15.0–1.7 18.87S 178.86W 629 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=155.5.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=163.0.
IDC Error ellipse: s-maj=10.7km s-min=9.4km az=121.0.
MOS Error ellipse: s-maj=13.4km s-min=10.9km az=90.5.
ISC IX 06 11 06 43.3–.82 20.6S–.20 178.7W–.10 587 3.8b 24 9-150
ISCJB IX 06 11 06 42.4–.68 20.7S–.10 178.7W–.10 587 3.7b **¶601863038**
IDC IX 06 11 06 43.1–2.0 20.67S 178.67W 580–24 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=9.1km az=143.1.
IDC Error ellipse: s-maj=26.7km s-min=13.7km az=146.0.
IDC IX 06 12 19 40.3–2.6 16.42S 177.79W 0 3.9,3.7
¶601863041
IDC Error ellipse: s-maj=166.7km s-min=25.6km az=151.0.
ISC IX 06 13 15 25.8–.43 21.68S–.09 179.04W–.07 602 4.3b 99 10-171
BJI IX 06 13 15 20.8 21.25S 178.96W 546 4.8b,4.5b **¶601685416**
NEIC IX 06 13 15 22.8–1.1 21.52S 178.89W 569–12 4.4b,4.5b
ISCJB IX 06 13 15 25.0–.42 21.65S–.08 179.04W–.08 602 4.3b,4.5b
IDC IX 06 13 15 27.0–2.5 21.52S 179.07W 612–28 4.7,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.2km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=9.7km az=150.5.
IDC Error ellipse: s-maj=15.0km s-min=11.7km az=68.0.
ISC IX 07 07 11 27.7–1.2 17.5S–.50 178.8W–.30 539 3.4b 9 8-147
ISCJB IX 07 07 11 26.9–1.1 17.4S–.50 178.9W–.30 539 3.6b **¶601863106**
IDC IX 07 07 11 27.3–2.2 17.37S 178.86W 528–30 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=77.1km s-min=14.3km az=153.4.
IDC Error ellipse: s-maj=93.0km s-min=14.7km az=152.0.
IDC IX 07 10 53 57.0–2.8 19.21S 177.10W 0 3.9,3.6
¶601863112
IDC Error ellipse: s-maj=227.6km s-min=25.7km az=156.0.
ISC IX 09 09 15 27.4–.70 18.6S–.20 177.7W–.20 350 3.4b 14 7-148
ISCJB IX 09 09 15 26.6–.63 18.6S–.20 177.9W–.20 350 3.4b **¶601863226**
IDC IX 09 09 15 26.6–2.2 18.61S 177.87W 335–23 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.5km s-min=12.6km az=137.9.
IDC Error ellipse: s-maj=23.1km s-min=13.0km az=137.0.
ISC IX 10 00 04 42.9–.32 20.56S–.05 176.47W–.06 234 4.6b 214 8-172
ISCJB IX 10 00 04 41.9–.22 20.46S–.03 176.53W–.05 234 4.6b **¶601697121**
IDC IX 10 00 04 41.3–1.2 20.29S 176.45W 219–10 4.6,4.2
WEL IX 10 00 04 44.0 20.42S 176.50W 246 4.6,4.2
NEIC IX 10 00 04 44.3–1.0 20.42S 176.50W 246–9 4.8b,4.2
BJI IX 10 00 04 44.5 20.40S 176.50W 251 4.9b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=11.6.
IDC Error ellipse: s-maj=12.5km s-min=10.8km az=138.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.9km az=133.0.
ISC IX 10 09 48 09.9–.69 17.6S–.20 179.0W–.10 539 3.9b 36 8-147
IDC IX 10 09 48 07.9–1.5 17.52S 178.99W 508–17 4.3,3.7 **¶601863289**
ISCJB IX 10 09 48 09.4–.62 17.5S–.10 179.1W–.10 539 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IX 11 05 32 49.0–9.6 20.77S 178.76W 699–131 3.9,3.1
¶601863336
IDC Error ellipse: s-maj=98.8km s-min=43.7km az=162.0.
ISC IX 11 10 44 40.9–1.2 19.0S–.30 177.5W–.20 570 3.7b 15 7-149
ISCJB IX 11 10 44 40.4–1.1 18.9S–.30 177.6W–.20 570 4.0b **¶601863347**
IDC IX 11 10 44 41.1–1.5 19.02S 177.55W 571–16 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=45.3km s-min=9.2km az=150.8.
IDC Error ellipse: s-maj=37.1km s-min=10.3km az=152.0.
IDC IX 11 10 47 22.2–2.0 16.46S 178.13W 0 3.9,3.8
¶601863348
IDC Error ellipse: s-maj=135.5km s-min=23.7km az=153.0.
ISC IX 11 13 17 52.5–.73 20.7S–.20 177.7W–.10 350 3.3b 14 9-147
ISCJB IX 11 13 17 51.5–.60 20.7S–.10 177.7W–.10 350 3.3b **¶601863356**
IDC IX 11 13 17 53.0–2.4 20.65S 177.70W 353–26 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=11.9km az=143.3.
IDC Error ellipse: s-maj=33.4km s-min=14.4km az=147.0.
ISC IX 11 15 06 58.4–.40 20.89S–.07 178.50W–.07 579 4.3b 150 8-161
ISCJB IX 11 15 06 58.0–.21 20.85S–.03 178.60W–.06 579 4.3b **¶601734478**
NEIC IX 11 15 06 58.6–.82 20.89S 178.55W 578–10 4.5b
IDC IX 11 15 06 58.6–1.4 20.92S 178.52W 574–15 4.7,3.9
WEL IX 11 15 06 58.0 20.89S 178.55W 578 4.7,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=11.2.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.5km az=142.0.
IDC Error ellipse: s-maj=15.9km s-min=11.0km az=141.0.
WEL manual. confirmed.
ISC IX 11 18 27 20.7–.76 17.0S–.10 178.0W–.10 400 4.6b 47 20-147
IDC IX 11 18 26 32.2–2.7 17.20S 176.75W 0 4.7,4.6 **¶601851659**
ISCJB IX 11 18 27 19.1–.55 17.03S–.06 178.09W–.10 400 4.6b,4.6
NEIC IX 11 18 27 22.2–3.2 17.03S 178.09W 416–38 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=86.2km s-min=40.3km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=8.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.3km az=101.0.
IDC IX 12 00 26 57.3–1.8 14.92S 179.15W 0 4.0,3.8
¶601863387
IDC Error ellipse: s-maj=123.7km s-min=22.7km az=151.0.
ISC IX 12 12 05 43.3–.70 18.1S–.20 178.1W–.10 590 3.7b 19 7-148
ISCJB IX 12 12 05 42.1–.60 18.1S–.10 178.1W–.10 590 3.7b **¶601863413**
IDC IX 12 12 05 44.3–1.7 18.17S 177.99W 606–22 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=12.8km az=39.1.
IDC Error ellipse: s-maj=20.3km s-min=12.8km az=136.0.
ISC IX 12 15 00 07.0–.50 18.3S–.10 177.98W–.09 450 3.9b 43 7-150
IDC IX 12 15 00 05.3–2.1 18.32S 178.09W 422–23 4.4,3.8 **¶601712703**
ISCJB IX 12 15 00 06.3–.42 18.34S–.09 178.12W–.09 450 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 01 55 01.7–.44 18.83S–.04 175.83E–.04 84–3 5.2b 885 9-172
NEIC IX 13 01 54 52.6–.10 18.63S 175.85E 10 5.4b,5.1s **¶601712532**
MOS IX 13 01 54 55.6–1.1 18.72S 175.87E 41 5.5b,5.0s
GCMT IX 13 01 54 56.7–.10 18.62S–.01 176.01E 12 5.5W,5.0s
ISCJB IX 13 01 54 59.7–1.3 18.75S–.03 175.80E–.02 77–11 5.2b,5.0s
IDC IX 13 01 55 00.6–3.0 18.73S 175.88E 75–26 5.1,4.9
BJI IX 13 01 55 01.4 18.80S 175.80E 89 5.5b,5.3s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=150.0.
MOS Error ellipse: s-maj=7.5km s-min=7.3km az=62.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c243; s138,c289;Duration: 1$\fallingdotseq$4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.02 $M_{\theta\theta}$0.33±.02; $M_{\phi\phi}$1.75±.02; $M_{r\theta}$-0.45±.05; $M_{\theta\phi}$0.79±.01; $M_{\phi r}$-0.16±.04; Best double couple: NP1:ϕ_s33.00000°,δ50.00000°,λ-78.00000°. NP2:ϕ_s195.00000°,δ41.00000°,λ-104.00000°. Principal axes: T 2.1290,Plg4.0000° ,Azm115.0000°; N 0.0310,Plg9.0000°,Azm205.0000°; P -2.1510,Plg80.0000°,Azm359.0000° $M_0$2.14000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=172.4.
IDC Error ellipse: s-maj=12.4km s-min=10.8km az=60.0.
ISC IX 13 01 56 38.0–.49 18.66S–.09 175.9E–.10 30 4.5b 76 18-172
NEIC IX 13 01 56 34.8–.30 18.68S 175.91E 10 4.9b **¶601863446**
ISCJB IX 13 01 56 36.5–.38 18.67S–.06 175.83E–.08 30 4.5b

IDC IX 13 01 56 46.4–7.0 18.76S 175.87E 102–62 4.4,4.3
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.1km az=2.1.
IDC Error ellipse: s-maj=21.7km s-min=18.4km az=70.0.
ISC IX 13 02 00 33.2–.48 18.63S–.08 175.8E–.10 26 4.4b 61 12-172
NEIC IX 13 02 00 30.8–.29 18.66S 175.85E 10 4.7b **¶601851672**
ISCJB IX 13 02 00 31.9–.33 18.69S–.05 175.81E–.07 26 4.3b
IDC IX 13 02 00 40.8–7.1 18.76S 175.86E 92–62 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.2km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.8km az=14.6.
IDC Error ellipse: s-maj=21.8km s-min=15.6km az=73.0.
ISC IX 14 07 50 35.0–.72 19.3S–.10 177.4W–.10 550 4.2b 24 8-149
ISCJB IX 14 07 50 34.1–.64 19.4S–.10 177.4W–.10 550 4.1b **¶601863512**
IDC IX 14 07 50 35.0–1.8 19.37S 177.42W 546–20 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=9.1km az=140.5.
IDC Error ellipse: s-maj=18.2km s-min=13.9km az=121.0.
IDC IX 14 13 43 47.2–4.7 18.91S 177.33W 0 4.2,4.0
¶601863525
IDC Error ellipse: s-maj=183.7km s-min=62.1km az=141.0.
IDC IX 15 21 28 35.8–52 19.15S 176.22W 0 4.1,3.9
¶601863607
IDC Error ellipse: s-maj=967.4km s-min=156.5km az=82.0.
ISC IX 15 21 35 55.7–.53 18.8S–.10 176.1E–.10 30 4.3b,3.7s 56 10-172
ISCJB IX 15 21 35 54.0–.50 18.79S–.08 175.99E–.10 30 4.3b,3.7s **¶601717930**
GCMT IX 15 21 35 56.4–.50 18.84S–.05 176.12E–.03 22–1 4.9W,3.7s
NEIC IX 15 21 35 59.4–2.3 18.82S 175.97E 62–19 4.4b,3.7s
IDC IX 15 21 35 59.7–4.6 18.83S 175.97E 63–40 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=11.4km az=23.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c28; s59,c78;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.94±.23 $M_{\theta\theta}$0.65±.14; $M_{\phi\phi}$2.29±.15; $M_{r\theta}$-0.64±.29; $M_{\theta\phi}$0.44±.08; $M_{\phi r}$-0.14±.21; Best double couple: NP1:ϕ_s24.00000°,δ49.00000°,λ-78.00000°. NP2:ϕ_s185.00000°,δ43.00000°,λ-104.00000°. Principal axes: T 2.4150,Plg3.0000° ,Azm105.0000°; N 0.6350,Plg9.0000°,Azm196.0000°; P -3.0530,Plg80.0000°,Azm356.0000° $M_0$2.73400×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.8km az=69.0.
IDC Error ellipse: s-maj=19.2km s-min=17.8km az=90.0.
ISC IX 16 00 26 33.5–.63 19.0S–.10 177.4W–.10 570 3.8b 35 7-151
ISCJB IX 16 00 26 32.2–.58 19.0S–.10 177.4W–.10 570 3.7b **¶601863625**
IDC IX 16 00 26 32.8–1.5 18.98S 177.53W 555–17 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=9.2km az=141.7.
IDC Error ellipse: s-maj=18.7km s-min=11.2km az=139.0.
IDC IX 16 08 48 21.6–1.7 16.48S 178.43W 0 4.1,3.9
¶601863641
IDC Error ellipse: s-maj=155.9km s-min=28.8km az=156.0.
IDC IX 16 11 41 11.9–8.2 20.74S 178.66W 620–93 4.1,3.3
¶601863646
IDC Error ellipse: s-maj=50.2km s-min=27.1km az=59.0.
IDC IX 16 16 03 55.7–55 18.15S 179.84W 0 3.8,3.6
¶601863661
IDC Error ellipse: s-maj=992.1km s-min=175.0km az=79.0.
IDC IX 16 20 55 35.7–26 17.30S 178.62W 480–321 3.6,3.1
¶601863676
IDC Error ellipse: s-maj=293.8km s-min=60.8km az=171.0.
IDC IX 17 08 08 49.4–1.8 19.38S 177.23W 0 4.2,3.9
¶601863699
IDC Error ellipse: s-maj=68.1km s-min=25.4km az=145.0.
IDC IX 17 13 07 57.6–10 16.82S 175.33E 0 4.2,4.1
¶601863709
IDC Error ellipse: s-maj=202.3km s-min=100.5km az=107.0.
IDC IX 17 20 15 49.1–3.9 18.77S 176.46E 0 4.2s,4.2
¶601863724
IDC Error ellipse: s-maj=249.1km s-min=31.6km az=154.0.
IDC IX 18 00 43 36.5–2.4 16.28S 178.66W 0 4.1,3.8
¶601863740
IDC Error ellipse: s-maj=150.0km s-min=23.7km az=150.0.
IDC IX 18 04 33 26.5–21 17.87S 178.73W 638–302 4.2,3.4
¶601863746
IDC Error ellipse: s-maj=146.8km s-min=53.8km az=176.0.
IDC IX 18 20 11 45.8–4.5 20.53S 176.91W 0 4.0,3.8
¶601863774
IDC Error ellipse: s-maj=171.9km s-min=89.4km az=161.0.
IDC IX 19 04 25 37.1–2.8 19.89S 178.03W 632–37 4.2,3.5
¶601863806
IDC Error ellipse: s-maj=42.2km s-min=16.8km az=155.0.
ISC IX 19 11 32 57.9–1.0 21.0S–.20 178.4W–.20 579 3.4b 9 18-151
IDC IX 19 11 32 55.9–5.2 20.89S 178.34W 554–61 3.9,3.3 **¶601863824**
ISCJB IX 19 11 32 56.9–.89 21.0S–.20 178.5W–.20 579 3.5b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC IX 19 17 44 23.7–.64 18.0S–.10 178.3W–.10 600 4.0b 21 7-148
ISCJB IX 19 17 44 22.5–.49 18.0S–.10 178.3W–.10 600 4.1b **¶601863839**
IDC IX 19 17 44 24.9–1.5 17.95S 178.27W 617–20 4.6,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=11.1km az=138.2.
IDC Error ellipse: s-maj=18.9km s-min=10.4km az=139.0.
IDC IX 19 21 44 33.8–9.7 20.79S 177.67W 0 4.0,3.8
¶601863853
IDC Error ellipse: s-maj=221.7km s-min=46.3km az=37.0.
ISC IX 20 05 40 11.9–.35 20.65S–.04 176.04W–.04 147–2 5.0b 866 6-177
MOS IX 20 05 40 11.8–.94 20.50S 176.15W 147 4.7b **¶601731988**
IDC IX 20 05 40 13.0–1.6 20.55S 176.10W 148–13 5.3,4.9
ISCJB IX 20 05 40 14.4–.82 20.64S–.03 176.18W–.03 174–7 4.9b,4.9
BJI IX 20 05 40 17.2 20.15S 175.57W 206 5.2b,5.1b
WEL IX 20 05 40 18.0 20.61S 176.20W 204 5.2b,5.1b
NEIC IX 20 05 40 18.8–.09 20.61S 176.20W 204 4.8b,5.1b
GCMT IX 20 05 40 19.8–.10 20.69S–.01 175.74W–.01 196–1 5.3W,5.1b
ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c148; s124,c193;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$0.18±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$-1.00±.01; Best double couple: NP1:ϕ_s22.00000°,δ78.00000°,λ-104.00000°. NP2:ϕ_s254.00000°,δ18.00000°,λ-39.00000°. Principal axes: T 1.1860,Plg32.0000° ,Azm124.0000°; N 0.0000,Plg14.0000°,Azm25.0000°; P -1.1860,Plg54.0000°,Azm274.0000° $M_0$1.18600×10^{17}
IDC IX 20 18 57 57.0–6.8 14.99S 176.57W 0 3.8,3.6
¶601863906
IDC Error ellipse: s-maj=312.1km s-min=53.6km az=142.0.
ISC IX 20 21 03 42.1–.25 20.81S–.04 178.35W–.04 570–2 5.3b 1376 8-172
BJI IX 20 21 03 38.4 20.27S 177.91W 542 5.2b,5.1b **¶604029851**
MOS IX 20 21 03 39.5–.93 20.65S 178.46W 545 5.4b,5.1b
ISCJB IX 20 21 03 39.2–.40 20.73S–.02 178.49W–.02 543–5 5.2b,5.1b
NEIC IX 20 21 03 40.0–.00 20.75S 178.27W 580 5.2b,5.1b
IDC IX 20 21 03 41.7–.43 20.73S 178.40W 563–4 5.6,4.8
WEL IX 20 21 03 42.0 20.76S 178.51W 570 5.6,4.8
NEIC IX 20 21 03 42.1–.35 20.76S 178.51W 570–4 5.7W,5.7W
GCMT IX 20 21 03 44.1–.20 20.64S–.02 178.30W–.02 570–1 5.7W,5.7W
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.37 $M_{\phi\phi}$1.01 $M_{r\theta}$-3.17 $M_{\theta\phi}$-1.65 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s101.00000° ,δ79.00000°,λ-117.00000°. NP2:ϕ_s351.00000°,δ30.00000°,λ-23.00000°. Principal axes: T 3.4800,Plg28.0000°,Azm213.0000°; N 0.5400,Plg27.0000°,Azm107.0000° ; P -4.0200,Plg48.0000°,Azm341.0000° $M_0$3.80000×10^{17}
WEL manual. confirmed.
NEIC Event type se. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.38 $M_{\theta\theta}$1.57 $M_{\phi\phi}$0.80 $M_{r\theta}$-4.12 $M_{\theta\phi}$-1.54 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s329.00000° ,δ19.00000°,λ-51.00000°. NP2:ϕ_s108.00000°,δ75.00000°,λ-102.00000°. Principal axes: T 4.9900,Plg29.0000°,Azm208.0000°; N -0.0200,Plg12.0000°,Azm111.0000° ; P -4.9700,Plg58.0000°,Azm1.0000° $M_0$5.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s117,c191; s41,c43;Duration: 1$\hat{s}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.80±.04 $M_{\theta\theta}$0.34±.08; $M_{\phi\phi}$1.47±.08; $M_{r\theta}$-3.50±.07; $M_{\theta\phi}$-1.57±.07; $M_{\phi r}$0.60±.07; Best double couple: NP1:ϕ_s110.00000°,δ77.00000°,λ-113.00000°. NP2:ϕ_s352.00000°,δ27.00000°,λ-30.00000°. Principal axes: T 3.9800,Plg28.0000° ,Azm218.0000°; N 0.4540,Plg23.0000°,Azm115.0000°; P -4.4290,Plg52.0000° ,Azm352.0000° $M_0$4.20400×10^{17}
ISC IX 20 21 52 16.5–1.0 20.5S–.30 178.6W–.30 587 3.5b 12 44-150
ISCJB IX 20 21 52 16.0–.98 20.5S–.30 178.7W–.30 587 3.5b **¶601863913**
IDC IX 20 21 52 17.9–5.9 20.52S 178.63W 599–65 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=49.0km s-min=20.1km az=147.2.
IDC Error ellipse: s-maj=44.3km s-min=25.2km az=136.0.
IDC IX 21 01 37 28.8–21 15.36S 178.47W 472–248 3.9,3.4
¶601863932
IDC Error ellipse: s-maj=68.9km s-min=23.5km az=91.0.
IDC IX 21 10 17 14.9–3.4 16.10S 176.32W 0 4.3,4.1
¶601863948
IDC Error ellipse: s-maj=173.2km s-min=72.5km az=155.0.
IDC IX 21 16 41 36.7–3.5 16.52S 177.73W 0 4.3,4.1
¶601863962
IDC Error ellipse: s-maj=159.9km s-min=41.1km az=142.0.
ISC IX 22 05 34 32.6–.81 17.7S–.30 178.7W–.20 539 4.0b 13 8-92
ISCJB IX 22 05 34 31.8–.62 17.8S–.20 178.7W–.10 539 4.0b **¶601863980**
IDC IX 22 05 34 33.5–2.0 17.09S 179.07W 534–28 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.5km s-min=13.5km az=154.3.
IDC Error ellipse: s-maj=86.8km s-min=14.5km az=152.0.
IDC IX 22 23 08 25.3–2.2 16.33S 176.87W 373–32 4.1,3.7
¶601864012
IDC Error ellipse: s-maj=140.7km s-min=17.6km az=150.0.
IDC IX 23 06 01 19.5–9.6 18.66S 178.80W 571–119 3.7,3.1
¶601864027
IDC Error ellipse: s-maj=92.2km s-min=39.0km az=160.0.
ISC IX 23 06 40 57.1–.25 16.95S–.05 175.35E–.04 35 5.3b,4.7s 611 9-173
IDC IX 23 06 40 51.8–.43 16.90S 175.22E 0 5.2,5.1 **¶604029867**
BJI IX 23 06 40 52.7 16.71S 175.96E 26 5.4b,5.2b
MOS IX 23 06 40 54.3–1.1 16.90S 175.16E 25 5.5b,4.7s
ISCJB IX 23 06 40 55.7–.13 16.96S–.03 175.13E–.03 33 5.2b,4.7s
NEIC IX 23 06 40 57.7–.78 16.93S 175.17E 39–7 5.3b,4.7s
GCMT IX 23 06 40 58.7–.10 16.81S–.01 175.13E–.01 13–0 5.4W,4.7s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c169; s125,c233;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.02 $M_{\theta\theta}$-0.55±.02; $M_{\phi\phi}$1.08±.02; $M_{r\theta}$-0.38±.04; $M_{\theta\phi}$1.03±.02; $M_{\phi r}$0.05±.04; Best double couple: NP1:ϕ_s67.00000°,δ73.00000°,λ-22.00000°. NP2:ϕ_s164.00000°,δ69.00000°,λ-162.00000°. Principal axes: T 1.5860,Plg3.0000° ,Azm116.0000°; N -0.3480,Plg62.0000°,Azm212.0000°; P -1.2330,Plg27.0000° ,Azm25.0000° $M_0$1.41000×10^{17}
IDC IX 23 16 09 11.6–15 19.41S 178.36W 0 3.8,3.6
¶601864044
IDC Error ellipse: s-maj=371.0km s-min=42.0km az=37.0.
IDC IX 23 18 19 14.9–30 20.58S 176.59W 0 3.8,3.7
¶601864049
IDC Error ellipse: s-maj=550.7km s-min=153.3km az=75.0.
ISC IX 24 01 18 59.2–.44 20.60S–.08 178.14W–.09 534 4.2b 162 9-173
NEIC IX 24 01 18 52.3–.96 20.47S 178.00W 455–10 4.2b **¶601738739**
IDC IX 24 01 18 57.3–2.7 20.52S 178.06W 513–28 4.3,3.7
ISCJB IX 24 01 18 58.1–.23 20.62S–.07 178.18W–.06 534 4.1b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 24 12 51 03.7–.86 20.2S–.20 177.5W–.20 450 3.5b 15 8-150
ISCJB IX 24 12 51 02.9–.66 20.2S–.20 177.6W–.10 450 3.5b **¶601864095**
IDC IX 24 12 51 05.8–3.0 19.79S 177.78W 463–25 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.4km s-min=8.9km az=143.7.
IDC Error ellipse: s-maj=90.9km s-min=12.2km az=151.0.
ISC IX 24 16 07 07.4–1.6 21.6S–.40 177.8W–.30 500 3.7b 15 15-151
ISCJB IX 24 16 07 06.7–1.6 21.6S–.40 177.8W–.30 500 3.6b **¶601864102**
IDC IX 24 16 07 06.6–5.9 21.65S 177.70W 498–56 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=64.7km s-min=16.8km az=150.3.
IDC Error ellipse: s-maj=64.3km s-min=25.9km az=136.0.
IDC IX 25 10 05 02.3–56 18.85S 177.22W 0 4.2,4.0
¶601864146
IDC Error ellipse: s-maj=1039.0km s-min=168.2km az=81.0.
IDC IX 25 19 02 14.1–2.8 20.23S 176.47W 0 4.1,3.8
¶601864165
IDC Error ellipse: s-maj=142.0km s-min=40.0km az=147.0.
IDC IX 26 05 47 39.0–53 19.01S 176.30W 0 4.2,4.0
¶601864191
IDC Error ellipse: s-maj=991.1km s-min=168.6km az=81.0.
ISC IX 26 10 30 13.0–.57 20.2S–.10 178.41W–.09 602 3.9b 61 9-150
ISCJB IX 26 10 30 11.7–.37 20.35S–.05 178.40W–.09 602 3.8b **¶601864200**
IDC IX 26 10 30 13.3–1.9 20.23S 178.50W 594–23 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.0km az=11.8.
IDC Error ellipse: s-maj=18.4km s-min=12.6km az=146.0.
IDC IX 26 21 47 56.2–9.3 17.80S 176.64W 0 3.6,3.3
¶601864232
IDC Error ellipse: s-maj=411.5km s-min=62.7km az=143.0.
IDC IX 27 04 39 14.6–4.1 21.21S 179.60W 0 4.0,3.7
¶601864261
IDC Error ellipse: s-maj=266.1km s-min=30.3km az=156.0.
ISC IX 27 05 13 40.7–1.2 20.0S–.30 178.3W–.20 602 3.9b 21 14-150
ISCJB IX 27 05 13 39.6–1.3 20.0S–.30 178.3W–.20 602 3.8b **¶601864262**
IDC IX 27 05 13 39.1–4.3 20.02S 178.26W 586–46 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.6km s-min=15.3km az=145.9.
IDC Error ellipse: s-maj=38.0km s-min=21.4km az=141.0.
ISC IX 27 11 31 34.0–.59 17.3S–.10 177.1W–.10 10 4.5b,4.3s 41 16-147
ISCJB IX 27 11 31 32.0–.36 17.3S–.10 177.01W–.10 10 4.5b,4.3s **¶601783173**
NEIC IX 27 11 31 33.6–.31 17.27S 176.95W 10 4.6b,4.3s
IDC IX 27 11 31 34.8–1.9 16.44S 177.41W 0 4.3s,4.3
GCMT IX 27 11 31 39.6–.20 17.53S–.01 176.59W–.01 21–1 5.2W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c71; s111,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.18 $M_{\theta\theta}$-5.46±.16; $M_{\phi\phi}$6.07±.15; $M_{r\theta}$0.71±.28; $M_{\theta\phi}$2.35±.14; $M_{\phi r}$2.47±.28; Best double couple: NP1:ϕ_s57.00000°,δ79.00000°,λ15.00000°. NP2:ϕ_s325.00000°,δ76.00000°,λ169.00000°. Principal axes: T 7.3540,Plg18.0000° ,Azm281.0000°; N -1.4230,Plg72.0000°,Azm92.0000°; P -5.9310,Plg3.0000°,Azm191.0000° $M_0$6.64300×10^{16}
IDC IX 27 11 38 52.2–3.0 16.98S 177.13W 0 4.1,3.7
GCMT IX 27 11 38 58.0–.40 17.55S–.02 176.51W–.02 12 4.9W,3.7 **¶601783174**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s12,c13; s73,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.55±.12 $M_{\theta\theta}$-2.59±.10; $M_{\phi\phi}$2.04±.08; $M_{r\theta}$0.59±.32; $M_{\theta\phi}$0.52±.10; $M_{\phi r}$1.42±.28; Best double couple: NP1:ϕ_s55.00000°,δ75.00000° ,λ30.00000°. NP2:ϕ_s317.00000°,δ62.00000°,λ163.00000°. Principal axes: T 3.0000,Plg31.0000°,Azm279.0000°; N -0.2830,Plg57.0000°,Azm80.0000°

; P -2.7140,Plg9.0000°,Azm184.0000° M$_0$2.85700×10^{16}
IDC IX 27 13 19 43.7–1.8 19.40S 177.74W 0 4.0,4.0L ¶601864280

IDC Error ellipse: s-maj=54.1km s-min=33.4km az=124.0.
ISC IX 27 13 57 13.0–4.3 20.4S–.40 179.0W–.50 645 4.1b 9 14-52
IDC IX 27 13 57 14.6–19 20.34S 179.22W 650–156 4.5,3.5 **¶601864282**
ISC Event type ke.
IDC Error ellipse: s-maj=195.0km s-min=47.3km az=86.0.
ISC IX 27 17 28 26.4–1.1 20.4S–.20 177.4W–.20 500 4.0b 9 8-70
ISCJB IX 27 17 28 25.8–.90 20.4S–.20 177.5W–.20 500 3.8b **¶601864292**
IDC IX 27 17 28 26.7–2.4 20.46S 177.51W 493–37 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=10.2km az=136.9.
IDC Error ellipse: s-maj=37.6km s-min=22.8km az=122.0.
IDC IX 30 00 02 49.8–1.9 18.65S 176.47W 0 4.1,4.0 ¶601857507

IDC Error ellipse: s-maj=50.0km s-min=34.5km az=136.0.
IDC IX 30 00 48 38.0–19 16.43S 176.44W 266–198 3.6,3.4 ¶601857510

IDC Error ellipse: s-maj=131.1km s-min=32.7km az=159.0.
ISC IX 30 01 08 49.3–.96 21.1S–.20 178.2W–.20 495 3.6b 8 18-97
IDC IX 30 01 08 42.6–5.0 20.98S 178.06W 416–55 3.9,3.4 **¶601857512**
ISCJB IX 30 01 08 48.1–.93 21.2S–.20 178.1W–.20 495 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 30 15 06 47.3–.98 17.8S–.20 177.5W–.20 392 3.3b 8 7-148
IDC IX 30 15 06 41.2–2.0 17.61S 177.45W 328–23 3.9,3.5 **¶601857538**
ISCJB IX 30 15 06 46.1–.84 17.7S–.20 177.6W–.20 392 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC IX 30 18 35 35.2–1.4 21.0S–.30 177.5W–.20 365 3.9b 15 45-151
IDC IX 30 18 35 42.8–7.9 21.02S 177.54W 443–76 4.2,3.7 **¶601857542**
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=25.2km az=124.0.
ISC X 01 04 04 52.4–.69 21.3S–.10 177.7W–.10 400 3.6b 17 9-172
IDC X 01 04 04 51.2–2.5 21.18S 177.90W 378–26 4.1,3.6 **¶601996353**
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=13.8km az=117.0.
ISC X 01 19 03 37.3–1.1 17.9S–.30 178.5W–.20 579 4.1b 30 15-150
ISCJB X 01 19 03 36.9–.94 17.7S–.30 178.7W–.20 579 4.1b **¶601996423**
IDC X 01 19 03 40.3–4.2 17.88S 178.62W 611–51 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.4km s-min=12.3km az=152.2.
IDC Error ellipse: s-maj=38.3km s-min=18.3km az=151.0.
ISC X 02 13 54 08.3–2.6 18.1S–.60 178.3W–.50 600 3.9b 9 39-148
IDC X 02 13 54 10.1–13 18.04S 178.49W 611–126 4.3,3.6 **¶601996806**
ISC Event type ke.
IDC Error ellipse: s-maj=101.1km s-min=73.1km az=109.0.
ISC X 02 14 50 00.5–.63 17.1S–.10 178.5W–.10 453 3.4b 19 7-92
ISCJB X 02 14 49 59.5–.48 17.1S–.10 178.60W–.09 453 3.5b **¶601996812**
IDC X 02 14 50 01.3–2.2 17.13S 178.57W 461–27 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=9.0km az=149.1.
IDC Error ellipse: s-maj=22.7km s-min=13.7km az=143.0.
ISC X 02 15 35 21.1–1.1 18.4S–.20 176.2W–.20 300 3.4b 10 6-149
IDC X 02 15 35 19.9–1.8 18.47S 176.46W 270–23 3.9,3.4 **¶601996822**
ISCJB X 02 15 35 20.3–.89 18.4S–.20 176.2W–.20 300 3.2b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC X 02 21 40 02.8–2.7 20.75S 176.91W 0 4.2,4.1 ¶601996856

IDC Error ellipse: s-maj=146.1km s-min=46.5km az=150.0.
IDC X 03 04 24 52.1–8.0 17.67S 177.76W 0 4.2,3.9 ¶601996885

IDC Error ellipse: s-maj=334.7km s-min=61.3km az=142.0.
ISC X 03 11 13 33.0–.61 20.6S–.10 177.6W–.10 350 4.0b 27 9-173
ISCJB X 03 11 13 32.5–.53 20.61S–.09 177.6W–.10 350 3.9b **¶601996930**
IDC X 03 11 13 35.2–2.2 20.58S 177.61W 366–23 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=8.4km az=32.2.
IDC Error ellipse: s-maj=23.1km s-min=12.6km az=141.0.
IDC X 04 00 40 05.7–3.0 17.36S 177.42W 0 3.9,3.6 ¶601996990

IDC Error ellipse: s-maj=344.8km s-min=34.2km az=159.0.
IDC X 04 05 19 44.4–5.6 21.59S 179.58W 648–66 4.2,3.3 ¶601997004

IDC Error ellipse: s-maj=37.4km s-min=21.5km az=58.0.
ISC X 04 05 43 54.9–.57 17.6S–.10 178.64W–.10 547 4.1b 24 8-176
ISCJB X 04 05 43 54.1–.54 17.6S–.10 178.68W–.09 547 4.2b **¶601997006**
IDC X 04 05 43 55.6–1.5 17.63S 178.64W 556–18 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=10.9km az=162.7.
IDC Error ellipse: s-maj=18.6km s-min=11.3km az=163.0.
IDC X 04 08 55 45.9–3.8 19.74S 176.12W 0 4.3,4.2b ¶601997014

IDC Error ellipse: s-maj=165.7km s-min=71.4km az=154.0.
IDC X 04 12 05 55.9–5.3 18.72S 176.23W 235–33 3.8,3.3 ¶601997033

IDC Error ellipse: s-maj=187.5km s-min=22.3km az=144.0.
ISC X 04 21 59 56.1–.99 18.1S–.20 178.1W–.20 500 3.4b 10 21-148
ISCJB X 04 21 59 55.3–.95 18.1S–.20 178.1W–.20 500 3.5b **¶601997067**
IDC X 04 21 59 56.9–5.4 18.12S 178.06W 508–61 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.4km s-min=20.1km az=34.0.
IDC Error ellipse: s-maj=30.2km s-min=25.5km az=159.0.
IDC X 04 22 25 56.8–6.1 19.40S 177.50W 0 4.1,3.9b ¶601997070

IDC Error ellipse: s-maj=236.8km s-min=38.8km az=142.0.
IDC X 05 00 45 58.4–2.2 14.93S 177.41W 0 3.9,3.6 ¶601997083

IDC Error ellipse: s-maj=129.2km s-min=28.0km az=149.0.
IDC X 05 18 40 17.4–7.4 15.27S 176.47W 0 4.1,3.8 ¶601997187

IDC Error ellipse: s-maj=328.1km s-min=37.6km az=140.0.
ISC X 06 13 26 25.3–1.2 18.9S–.20 176.9W–.20 344 3.8b 15 7-90
IDC X 06 13 26 18.8–2.2 18.81S 176.79W 279–26 4.4,3.8 **¶601794194**
ISCJB X 06 13 26 23.2–.95 18.8S–.10 176.9W–.10 344 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC X 07 02 07 01.9–7.4 20.86S 178.77W 614–75 3.7,3.0 ¶601997332

IDC Error ellipse: s-maj=183.4km s-min=26.8km az=154.0.
IDC X 07 06 47 15.7–2.9 14.64S 178.38W 0 3.9,3.6 ¶601997346

IDC Error ellipse: s-maj=390.1km s-min=34.3km az=157.0.
ISC X 07 14 49 17.6–1.4 20.7S–.30 178.9W–.20 645 3.7b 17 33-150
IDC X 07 14 49 15.8–4.8 20.65S 178.88W 622–52 4.1,3.4 **¶601997383**
ISCJB X 07 14 49 16.7–1.5 20.6S–.40 179.0W–.20 645 3.6b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC X 07 18 21 54.1–10 17.34S 178.50W 553–132 3.6,3.0 ¶601997400

IDC Error ellipse: s-maj=103.5km s-min=34.7km az=160.0.
ISC X 08 01 25 42.8–.55 21.32S–.09 178.0W–.10 450 4.5b 60 9-172
ISCJB X 08 01 25 42.1–.54 21.30S–.07 178.1W–.10 450 4.3b **¶601794913**
IDC X 08 01 25 42.5–2.3 21.25S 177.94W 446–23 4.4,3.8
NEIC X 08 01 25 43.1–.46 21.25S 177.98W 457 4.5b,3.8
BJI X 08 01 25 56.1 21.70S 178.53W 601 4.9b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.9km az=9.0.
IDC Error ellipse: s-maj=19.6km s-min=15.6km az=95.0.

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.1km az=139.0.
ISC X 08 15 36 50.4–.76 20.2S–.20 178.2W–.10 500 3.6b 22 9-150
ISCJB X 08 15 36 49.4–.68 20.3S–.20 178.2W–.10 500 3.6b **¶601997551**
IDC X 08 15 36 51.1–2.3 20.30S 178.14W 509–25 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=9.0km az=144.9.
IDC Error ellipse: s-maj=20.6km s-min=12.6km az=144.0.
ISC X 08 18 11 26.1–.84 17.7S–.20 178.6W–.20 547 3.5b 15 39-147
IDC X 08 18 11 16.2–7.7 17.57S 178.47W 433–84 4.0,3.5 **¶601997561**
ISCJB X 08 18 11 25.0–.73 17.7S–.20 178.7W–.20 547 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC X 09 00 16 23.3–64 19.91S 179.47W 0 3.8,3.6 ¶601997583

IDC Error ellipse: s-maj=1157.0km s-min=170.9km az=82.0.
IDC X 10 09 13 22.9–7.9 14.74S 177.10W 0 4.2,3.9 ¶601997735

IDC Error ellipse: s-maj=354.9km s-min=34.3km az=140.0.
IDC X 10 10 30 54.3–3.0 19.23S 177.99W 373–33 4.2,3.7 ¶601997743

IDC Error ellipse: s-maj=89.4km s-min=20.4km az=158.0.
ISC X 10 11 31 05.5–.56 21.12S–.09 177.7W–.10 400 3.9b 25 9-172
IDC X 10 11 31 04.6–2.2 21.11S 177.85W 380–23 4.3,3.7 **¶601997747**
ISCJB X 10 11 31 05.1–.53 21.19S–.08 177.9W–.10 400 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 10 13 52 03.4–2.9 20.5S–.90 178.8W–.50 550 3.5b 12 9-150
IDC X 10 13 52 01.7–3.8 20.78S 178.71W 534–26 4.0,3.3 **¶601997764**
ISCJB X 10 13 52 02.6–2.6 20.5S–.90 178.8W–.50 550 3.3b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC X 10 17 25 02.1–22 17.02S 176.12W 363–190 3.7,3.3 ¶601997789

IDC Error ellipse: s-maj=337.5km s-min=61.5km az=140.0.
IDC X 10 23 21 39.3–3.0 19.54S 179.13W 0 4.3,4.0 ¶601997812

IDC Error ellipse: s-maj=329.9km s-min=34.8km az=161.0.
IDC X 11 05 39 34.7–3.2 19.28S 176.86W 325–30 4.2,3.6 ¶601997846

IDC Error ellipse: s-maj=126.0km s-min=19.1km az=143.0.
IDC X 11 18 14 23.7–6.0 20.85S 177.04W 315–60 3.7,3.3 ¶601997914

IDC Error ellipse: s-maj=31.7km s-min=16.1km az=103.0.
IDC X 11 22 46 22.3–2.0 16.48S 178.75W 0 4.3,3.9 ¶601997935

IDC Error ellipse: s-maj=132.8km s-min=24.5km az=152.0.
ISC X 12 03 10 31.9–.77 17.5S–.20 178.8W–.20 539 3.6b 12 8-147
IDC X 12 03 10 30.6–2.0 17.47S 178.80W 517–25 4.3,3.7 **¶601997955**
ISCJB X 12 03 10 31.1–.66 17.6S–.20 178.8W–.10 539 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC X 12 05 00 58.5–21 18.31S 178.69W 588–256 4.2,3.4 ¶601997963

IDC Error ellipse: s-maj=133.1km s-min=78.4km az=117.0.
ISC X 12 18 29 30.0–2.6 18.0S–.50 178.4W–.40 550 3.8b 9 33-145
IDC X 12 18 29 42.4–22 18.18S 179.14W 661–199 4.1,3.1 **¶601998033**
ISC Event type ke.
IDC Error ellipse: s-maj=189.9km s-min=64.8km az=80.0.
IDC X 12 21 27 01.2–22 17.48S 178.66W 548–207 3.8,3.2 ¶601998053

IDC Error ellipse: s-maj=274.7km s-min=64.6km az=134.0.
IDC X 13 06 27 01.1–5.6 19.46S 176.01W 0 4.5,4.4 ¶601998088

IDC Error ellipse: s-maj=150.5km s-min=95.4km az=146.0.
IDC X 13 07 14 26.2–4.3 16.64S 177.36W 0 4.1,3.8b ¶601838021

IDC Error ellipse: s-maj=195.0km s-min=32.3km az=137.0.
ISC X 14 14 36 18.4–.88 17.6S–.20 178.3W–.20 350 3.4b 10 7-147
ISCJB X 14 14 36 17.0–.82 17.6S–.20 178.3W–.20 350 3.3b **¶601998221**
IDC X 14 14 36 19.1–2.6 17.62S 178.21W 362–31 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.7km s-min=14.7km az=146.6.
IDC Error ellipse: s-maj=33.1km s-min=17.3km az=133.0.
IDC X 15 07 34 06.3–1.8 19.06S 177.15W 0 3.9,3.6 ¶601998304

IDC Error ellipse: s-maj=50.0km s-min=41.6km az=141.0.
ISC X 15 20 14 33.3–.37 20.45S–.08 178.00W–.09 534 4.3b 182 9-173
BJI X 15 20 14 29.5 20.40S 178.30W 495 5.1b,4.8b **¶601835749**
NEIC X 15 20 14 31.9–1.2 20.41S 178.17W 513–13 4.9b,4.8b
IDC X 15 20 14 32.6–1.5 20.41S 178.16W 520–15 4.7,4.0
ISCJB X 15 20 14 33.4–.22 20.54S–.06 178.21W–.06 534 4.4b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 15 20 19 00.9–.30 20.46S–.04 178.16W–.04 542–3 5.2b 1312 8-176
ISCJB X 15 20 18 58.1–.50 20.40S–.03 178.26W–.02 513–6 5.1b **¶601835750**
BJI X 15 20 18 59.5 20.31S 177.64W 552 5.2b,5.1b
MOS X 15 20 19 00.4–.86 20.33S 178.28W 538 5.2b,5.1b
NEIC X 15 20 19 00.5–.09 20.45S 178.25W 534 5.2b,5.1b
IDC X 15 20 19 00.8–.39 20.47S 178.19W 537–4 5.5,4.7
WEL X 15 20 19 00.0 20.45S 178.25W 534 5.5,4.7
GCMT X 15 20 19 02.5–.30 20.32S–.02 178.21W–.03 555–1 5.3W,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s86,c131;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M$_{rr}$-0.93±.03 M$_{\theta\theta}$0.73±.04; M$_{\phi\phi}$0.20±.05; M$_{r\theta}$-0.78±.04; M$_{\theta\phi}$0.18±.04; M$_{\phi r}$-0.40±.05; Best double couple: NP1:ϕ_s66.00000°,δ68.00000°,λ-94.00000°. NP2:ϕ_s256.00000°,δ23.00000°,λ-80.00000°. Principal axes:
T 1.1450,Plg23.0000°,Azm159.0000°; N 0.1510,Plg4.0000°,Azm67.0000°
; P -1.2960,Plg67.0000°,Azm329.0000° M$_0$1.22100×10^{17}
ISC X 16 11 59 15.3–.64 17.7S–.20 178.53W–.10 547 4.3b 20 8-150
ISCJB X 16 11 59 14.6–.69 17.9S–.10 178.6W–.10 547 3.9b **¶601998519**
IDC X 16 11 59 17.5–1.3 17.74S 178.29W 587–17 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=12.4km az=158.2.
IDC Error ellipse: s-maj=21.5km s-min=13.7km az=147.0.
ISC X 16 17 57 41.6–.54 21.09S–.07 178.70W–.10 579 4.1b 74 8-161
ISCJB X 16 17 57 40.4–.42 21.01S–.04 178.68W–.08 579 4.1b **¶601998568**
IDC X 16 17 57 40.2–1.3 20.91S 178.77W 557–15 4.6,3.8
WEL X 16 17 57 43.1–2.8 21S–27 177W–43 626–25 4.6,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 17 05 42 52.6–8.7 19.72S 178.23W 522–104 3.9,3.4 ¶601998626

IDC Error ellipse: s-maj=119.0km s-min=31.3km az=162.0.
IDC X 17 11 14 59.9–5.7 17.52S 178.80W 644–66 4.0,3.5 ¶601998654

IDC Error ellipse: s-maj=91.3km s-min=23.3km az=150.0.
ISC X 17 13 55 59.8–.63 18.1S–.10 177.7W–.10 590 3.8b 27 7-150
ISCJB X 17 13 55 58.7–.59 18.1S–.10 177.8W–.10 590 3.8b **¶601998670**
IDC X 17 13 55 58.0–1.3 18.15S 177.82W 558–16 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=9.2km az=146.8.
IDC Error ellipse: s-maj=17.7km s-min=12.3km az=121.0.
ISC X 17 19 16 21.0–.64 20.8S–.10 178.4W–.10 579 4.1b 22 9-150
ISCJB X 17 19 16 20.4–.56 20.8S–.10 178.6W–.10 579 4.0b **¶601998698**
IDC X 17 19 16 20.7–2.1 20.74S 178.61W 562–24 4.6,3.7
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=9.0km az=143.1.
IDC Error ellipse: s-maj=16.5km s-min=14.5km az=49.0.
ISC X 17 20 00 26.6–.73 20.3S–.10 177.8W–.10 450 3.8b 16 9-147
ISCJB X 17 20 00 25.9–.62 20.3S–.10 177.8W–.10 450 3.6b ¶601998701
IDC X 17 20 00 26.7–5.5 20.31S 177.69W 449–61 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=9.9km az=42.7.
IDC Error ellipse: s-maj=23.6km s-min=20.6km az=41.0.
IDC X 18 07 21 27.5–2.1 19.57S 177.56W 536–28 3.9,3.2
¶601998768

IDC Error ellipse: s-maj=29.1km s-min=17.4km az=157.0.
ISC X 18 11 26 42.2–.38 20.70S–.06 178.27W–.07 550 4.5b 194 9-172
ISCJB X 18 11 26 41.2–.20 20.74S–.04 178.36W–.05 550 4.3b ¶601838263
NEIC X 18 11 26 41.5–.66 20.67S 178.33W 543–8 4.5b
IDC X 18 11 26 44.1–1.5 20.73S 178.43W 566–18 4.6,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=31.9.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=135.0.
IDC Error ellipse: s-maj=14.6km s-min=10.3km az=151.0.
IDC X 18 15 25 55.5–3.3 20.48S 179.98W 0 4.0,3.7
¶601998823

IDC Error ellipse: s-maj=177.4km s-min=28.0km az=152.0.
IDC X 18 17 00 03.0–3.8 15.85S 176.15W 0 4.6,4.4
¶601998831

IDC Error ellipse: s-maj=155.8km s-min=77.5km az=152.0.
IDC X 19 01 51 40.5–61 20.69S 177.95W 0 4.5,4.3
¶601998875

IDC Error ellipse: s-maj=1111.0km s-min=161.4km az=83.0.
ISC X 19 05 08 45.4–.45 19.31S–.04 177.49W–.05 557–5 4.6b 488 8-174
MOS X 19 05 08 44.5–.93 19.20S 177.58W 551 4.5b ¶601874177
ISCJB X 19 05 08 45.3–.58 19.30S–.04 177.60W–.03 559–7 4.5b
WEL X 19 05 08 46.0 19.31S 177.56W 560 4.5b
NEIC X 19 05 08 46.0–.53 19.31S 177.56W 560–6 4.5b
BJI X 19 05 08 46.3 18.97S 177.67W 556 5.2b,4.9b
IDC X 19 05 08 50.2–1.8 19.29S 177.62W 609–20 5.0,4.2
ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=9.1km az=135.7.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=145.3.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=142.0.
IDC Error ellipse: s-maj=10.9km s-min=9.3km az=151.0.
ISC X 19 05 23 33.9–.73 20.1S–.20 178.3W–.10 602 3.8b 12 17-150
ISCJB X 19 05 23 32.6–.72 20.1S–.20 178.4W–.10 602 3.7b ¶601998890
IDC X 19 05 23 33.9–3.6 20.17S 178.31W 600–45 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.7km s-min=15.1km az=161.9.
IDC Error ellipse: s-maj=29.5km s-min=17.2km az=169.0.
IDC X 19 09 21 08.7–1.8 15.87S 178.66W 0 4.4s,4.4
¶601998910

IDC Error ellipse: s-maj=118.7km s-min=22.9km az=152.0.
IDC X 19 16 38 05.3–10.0 14.99S 176.78W 0 4.0,3.7
¶601998955

IDC Error ellipse: s-maj=448.6km s-min=37.0km az=140.0.
IDC X 19 18 42 53.9–9.8 14.88S 177.96W 0 4.0,3.7
¶601998961

IDC Error ellipse: s-maj=440.8km s-min=37.1km az=140.0.
IDC X 20 08 24 46.4–5.5 16.72S 176.41W 0 3.7,3.6
¶601999018

IDC Error ellipse: s-maj=207.0km s-min=56.3km az=135.0.
IDC X 20 11 36 48.5–45 20.13S 179.23W 607–392 3.9,3.0
¶601999037

IDC Error ellipse: s-maj=411.9km s-min=103.4km az=108.0.
ISC X 20 22 14 57.5–.48 17.64S–.10 178.85W–.07 539 4.3b 74 8-150
IDC X 20 22 14 55.6–1.3 17.72S 178.81W 516–15 4.4,3.8 ¶601841774
ISCJB X 20 22 14 57.0–.30 17.61S–.08 178.97W–.06 539 4.3b,3.8
NEIC X 20 22 14 56.2–.52 17.50S 178.97W 513–6 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=11.0km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.4km az=151.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.2km az=151.0.
IDC X 21 03 58 06.7–17 17.69S 178.96W 611–243 3.9,3.2
¶601999120

IDC Error ellipse: s-maj=252.3km s-min=56.6km az=171.0.
IDC X 21 04 02 17.6–1.4 16.36S 178.56W 0 4.4,4.1
¶601999122

IDC Error ellipse: s-maj=101.9km s-min=19.6km az=150.0.
ISC X 21 10 10 33.8–1.4 20.5S–.40 178.5W–.20 587 3.8b 10 14-146
IDC X 21 10 10 33.0–3.4 20.50S 178.47W 582–32 4.1,3.4 ¶601999146
ISCJB X 21 10 10 33.4–1.5 20.5S–.40 178.6W–.30 587 3.7b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC X 21 13 18 26.2–9.1 18.72S 176.94W 0 3.6,3.4
¶601999169

IDC Error ellipse: s-maj=403.4km s-min=41.0km az=143.0.
IDC X 21 13 34 28.5–2.8 16.49S 177.74W 0 3.6,3.4
¶601999170

IDC Error ellipse: s-maj=336.8km s-min=35.5km az=158.0.
ISC X 21 18 00 59.5–.99 20.1S–.20 177.5W–.20 500 4.0b 15 8-150
ISCJB X 21 18 00 58.5–.81 20.1S–.20 177.5W–.10 500 3.9b ¶601999194
IDC X 21 18 00 59.0–1.7 20.10S 177.63W 482–22 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.9km s-min=9.4km az=139.8.
IDC Error ellipse: s-maj=31.0km s-min=13.7km az=139.0.
IDC X 21 19 59 40.1–2.4 18.79S 177.77W 569–28 4.3,3.4
¶601999204

IDC Error ellipse: s-maj=106.7km s-min=23.7km az=148.0.
IDC X 21 21 46 10.7–38 20.53S 179.14W 651–331 4.3,3.4
¶601999215

IDC Error ellipse: s-maj=346.9km s-min=94.1km az=79.0.
ISC X 22 02 12 32.7–.37 17.73S–.07 178.90W–.08 539 4.3b 234 8-175
NEIC X 22 02 12 29.8–.76 17.56S 178.97W 502–9 4.3b ¶601874196
IDC X 22 02 12 29.4–1.3 17.54S 178.88W 497–15 4.7,4.1
ISCJB X 22 02 12 32.1–.18 17.66S–.05 179.07W–.06 539 4.3b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 22 19 52 15.0–1.5 17.4S–.50 178.5W–.30 547 4.1b 9 15-147
ISCJB X 22 19 52 14.4–1.4 17.4S–.60 178.6W–.30 547 3.8b ¶601999303
IDC X 22 19 52 19.1–6.5 17.61S 178.60W 599–81 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=84.8km s-min=16.1km az=150.8.
IDC Error ellipse: s-maj=72.3km s-min=32.9km az=155.0.
ISC X 22 19 59 52.9–1.3 17.6S–.40 178.5W–.20 547 3.8b 12 15-147
ISCJB X 22 19 59 52.4–1.2 17.6S–.40 178.6W–.20 547 3.7b ¶601999305
IDC X 22 19 59 57.3–5.1 17.75S 178.62W 600–61 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=54.8km s-min=16.5km az=152.1.
IDC Error ellipse: s-maj=52.4km s-min=26.8km az=155.0.
IDC X 23 02 23 22.7–2.9 13.62S 177.22W 0 4.1,3.8b
¶601999330

IDC Error ellipse: s-maj=341.6km s-min=31.9km az=153.0.
IDC X 23 13 20 01.0–5.1 15.98S 176.50W 0 4.4,4.2
¶601999367

IDC Error ellipse: s-maj=161.8km s-min=99.4km az=153.0.
ISC X 23 13 59 16.5–1.4 17.1S–.60 179.2W–.40 533 3.4b 9 38-144
IDC X 23 13 59 14.3–12 17.07S 179.16W 506–147 4.0,3.5 ¶601999370
ISCJB X 23 13 59 15.8–1.3 17.1S–.60 179.3W–.40 533 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 23 20 08 49.8–.68 19.1S–.20 177.7W–.10 570 3.9b 30 34-151
ISCJB X 23 20 08 48.7–.60 19.1S–.10 177.7W–.10 570 3.8b ¶601844028

IDC X 23 20 08 51.1–4.6 19.03S 177.75W 580–52 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=15.7km az=163.5.
IDC Error ellipse: s-maj=23.5km s-min=19.4km az=76.0.
ISC X 23 22 11 38.3–.61 18.3S–.20 177.8W–.10 550 3.9b 28 15-148
ISCJB X 23 22 11 37.6–.53 18.4S–.10 177.8W–.10 550 3.8b ¶601844030
IDC X 23 22 11 43.2–2.1 18.47S 177.76W 611–27 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=12.5km az=169.6.
IDC Error ellipse: s-maj=32.3km s-min=11.2km az=161.0.
ISC X 23 22 15 22.3–.37 18.52S–.09 177.82W–.07 557 4.5b 459 7-175
ISCJB X 23 22 15 21.6–.21 18.40S–.06 177.79W–.05 557 4.4b ¶601874210
NEIC X 23 22 15 25.7–.72 18.37S 177.82W 595–8 4.5b
IDC X 23 22 15 25.3–1.1 18.45S 177.76W 595–12 4.7,3.9
MOS X 23 22 15 26.1–1.4 17.81S 178.00W 582 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.6km az=154.4.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.4km az=153.0.
IDC Error ellipse: s-maj=14.2km s-min=8.2km az=144.0.
MOS Error ellipse: s-maj=13.0km s-min=10.0km az=56.0.
IDC X 24 00 52 16.2–18 18.93S 178.03W 417–214 4.0,3.5
¶601999435

IDC Error ellipse: s-maj=241.9km s-min=47.8km az=169.0.
ISC X 24 13 19 12.7–.74 19.9S–.10 178.2W–.10 600 3.9b 21 9-147
ISCJB X 24 13 19 11.6–.55 20.0S–.10 178.23W–.10 600 3.9b ¶601999489
IDC X 24 13 19 13.6–1.5 19.92S 178.29W 602–20 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=9.4km az=147.9.
IDC Error ellipse: s-maj=19.2km s-min=14.2km az=150.0.
ISC X 24 14 26 23.8–.81 18.3S–.20 178.0W–.10 450 3.8b 10 7-145
ISCJB X 24 14 26 22.7–.69 18.3S–.20 178.0W–.10 450 3.8b ¶601999497
IDC X 24 14 26 23.8–1.9 18.25S 177.91W 454–30 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.9km s-min=9.9km az=145.0.
IDC Error ellipse: s-maj=23.0km s-min=17.5km az=101.0.
IDC X 24 23 32 11.0–2.5 17.26S 177.38W 0 4.0,3.7
¶601999538

IDC Error ellipse: s-maj=207.5km s-min=29.2km az=156.0.
ISC X 25 09 25 59.0–.34 18.09S–.06 178.44W–.06 600 4.3b 273 8-175
ISCJB X 25 09 25 57.8–.14 18.02S–.03 178.43W–.04 600 4.3b ¶601847462
NEIC X 25 09 25 59.8–.50 18.00S 178.42W 612–6 4.3b
IDC X 25 09 26 00.0–1.0 18.01S 178.35W 615–13 4.8,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.9km az=31.2.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=138.0.
IDC Error ellipse: s-maj=11.9km s-min=8.7km az=126.0.
IDC X 25 10 16 14.0–3.2 20.97S 177.67W 474–33 4.3,3.5
¶601999591

IDC Error ellipse: s-maj=88.2km s-min=19.3km az=138.0.
ISC X 25 12 35 44.6–.59 19.7S–.10 177.5W–.10 550 3.6b 25 8-150
IDC X 25 12 35 43.5–1.6 19.82S 177.51W 529–18 4.5,3.8 ¶601848722
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=12.3km az=146.0.
IDC X 25 15 49 46.1–2.3 20.19S 178.38W 504–30 4.2,3.5
¶601999624

IDC Error ellipse: s-maj=38.5km s-min=16.6km az=144.0.
ISC X 25 17 37 25.9–.53 18.0S–.10 178.73W–.09 579 4.0b 35 8-175
IDC X 25 17 37 22.4–1.5 17.88S 178.62W 536–17 4.5,3.8 ¶601847471
ISCJB X 25 17 37 24.7–.43 18.02S–.10 178.72W–.09 579 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 25 18 40 38.8–.29 19.89S–.04 178.13W–.04 603–2 5.3b 1416 8-176
ISCJB X 25 18 40 36.0–.42 19.85S–.03 178.25W–.02 573–5 5.2b ¶601847473
MOS X 25 18 40 37.5–.85 19.76S 178.20W 592 5.5b
WEL X 25 18 40 38.0 19.86S 178.26W 598 5.5b
BJI X 25 18 40 38.1 19.64S 177.83W 610 5.4b,5.2b
NEIC X 25 18 40 38.9–.09 19.86S 178.26W 598 5.3b,5.2b
IDC X 25 18 40 39.0–.42 19.84S 178.17W 598–4 5.8,4.9
GCMT X 25 18 40 41.9–.20 19.78S–.02 178.13W–.02 606–1 5.5W,4.9
ISC Event type se.
ISCJB Event type se.
WEL manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s89,c138;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.03 $M_{\theta\theta}$0.59±.05; $M_{\phi\phi}$-0.44±.05; $M_{r\theta}$-1.71±.05; $M_{\theta\phi}$-0.26±.05; $M_{\phi r}$-1.39±.05; Best double couple: NP1: ϕ_s53.00000°,δ89.00000°,λ-104.00000°. NP2:ϕ_s320.00000°,δ14.00000°,λ-3.00000°. Principal axes: T 2.1750,Plg42.0000°,Azm157.0000°; N 0.2000,Plg14.0000°,Azm53.0000° ; P -2.3750,Plg44.0000°,Azm309.0000° M_o2.27500×10^{17}
ISC X 26 04 24 28.6–.38 17.94S–.08 178.51W–.07 579 4.5b 443 8-152
ISCJB X 26 04 24 27.8–.19 17.91S–.07 178.61W–.05 579 4.4b ¶601848676
MOS X 26 04 24 28.6–1.3 17.49S 178.67W 564 4.5b
IDC X 26 04 24 28.0–1.1 18.03S 178.48W 576–13 4.6,3.9
NEIC X 26 04 24 29.0–.51 17.76S 178.67W 579–6 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.5km az=150.9.
MOS Error ellipse: s-maj=17.3km s-min=10.4km az=45.9.
IDC Error ellipse: s-maj=15.1km s-min=9.1km az=138.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=3.3km az=152.0.
ISC X 26 04 48 38.9–.52 17.6S–.10 178.51W–.09 547 4.1b 47 7-147
ISCJB X 26 04 48 38.3–.34 17.67S–.09 178.55W–.08 547 4.2b ¶601851589
IDC X 26 04 48 38.5–1.8 17.68S 178.46W 537–22 4.4,3.7
NEIC X 26 04 48 39.3–.94 17.56S 178.55W 549–12 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=7.6km az=149.0.
IDC Error ellipse: s-maj=21.2km s-min=12.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.0km az=148.0.
ISC X 27 02 34 17.6–1.3 17.4S–.20 178.5W–.30 400 3.7b 10 21-147
ISCJB X 27 02 34 16.6–1.3 17.4S–.20 178.6W–.20 400 3.7b ¶601999788
IDC X 27 02 34 17.8–7.2 17.39S 178.49W 408–72 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.0km s-min=25.7km az=18.2.
IDC Error ellipse: s-maj=35.5km s-min=26.5km az=34.0.
ISC X 27 20 56 47.3–.37 16.29S–.05 176.02W–.07 364 4.6b 120 5-176
IDC X 27 20 56 38.9–5.6 16.11S 175.97W 278–52 4.7,4.2 ¶601852935
ISCJB X 27 20 56 45.7–.27 16.31S–.04 176.03W–.05 364 4.5b,4.2
NEIC X 27 20 56 45.5–.77 16.28S 176.03W 345–8 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=14.1km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=11.5.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=106.0.
ISC X 28 04 18 34.0–.56 19.04S–.09 177.95W–.10 532 4.3b 59 8-152
NEIC X 28 04 18 28.5–.95 19.13S 177.79W 470–11 4.2b ¶601857739
ISCJB X 28 04 18 32.9–.46 19.11S–.07 177.97W–.08 532 4.2b
IDC X 28 04 18 33.6–2.5 18.92S 178.08W 517–28 4.7,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.3km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=30.1.
IDC Error ellipse: s-maj=20.1km s-min=12.1km az=139.0.
IDC X 28 15 13 50.3–7.4 21.75S 177.92W 358–70 3.9,3.4
¶602000088

IDC Error ellipse: s-maj=36.5km s-min=32.9km az=117.0.
ISC X 28 17 24 18.0–1.4 19.0S–.20 177.4W–.20 570 4.0b 12 20-128
ISCJB X 28 17 24 16.9–1.5 19.0S–.20 177.5W–.20 570 3.8b ¶602000112
IDC X 28 17 24 17.5–5.4 18.94S 177.43W 562–60 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.7km s-min=23.8km az=7.5.
IDC Error ellipse: s-maj=35.5km s-min=25.0km az=39.0.
ISC X 28 20 52 36.5–.65 21.8S–.10 178.5W–.10 500 3.8b 24 14-171
IDC X 28 20 52 35.8–3.3 21.74S 178.40W 489–35 4.4,3.8 ¶602000146
ISCJB X 28 20 52 36.2–.58 21.67S–.09 178.6W–.10 500 3.9b,3.8

ISC Event type ke.
ISCJB Event type ke.
IDC X 28 23 25 50.8–78 14.10S 178.50W 0 4.5s,4.5
¶602000167
IDC Error ellipse: s-maj=1435.0km s-min=183.4km az=74.0.
IDC X 29 00 27 09.7–3.8 17.27S 178.91W 0 4.0,3.7
¶602000171
IDC Error ellipse: s-maj=291.8km s-min=32.1km az=155.0.
IDC X 29 03 54 52.4–11 18.01S 178.02W 550–101 4.1,3.3
¶602000206
IDC Error ellipse: s-maj=119.8km s-min=41.5km az=129.0.
IDC X 29 13 16 17.0–2.5 17.54S 177.69W 0 4.1,3.7
¶602000284
IDC Error ellipse: s-maj=261.9km s-min=35.0km az=159.0.
ISC X 29 14 46 18.7–.54 15.0S–.10 177.6W–.10 372 3.9b 26 6-145
IDC X 29 14 46 16.2–2.0 14.85S 177.67W 339–21 4.4,3.8 **¶602000294**
ISCJB X 29 14 46 18.0–.49 14.9S–.10 177.7W–.10 372 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC X 29 18 16 24.9–21 19.81S 177.70W 592–253 4.0,3.2
¶602000333
IDC Error ellipse: s-maj=110.1km s-min=59.0km az=98.0.
ISC X 29 21 40 20.8–.75 17.6S–.20 178.7W–.10 547 3.8b 16 8-144
ISCJB X 29 21 40 19.7–.68 17.6S–.20 178.7W–.10 547 3.8b **¶602000360**
IDC X 29 21 40 22.7–1.7 17.67S 178.66W 579–23 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.2km s-min=12.6km az=152.2.
IDC Error ellipse: s-maj=24.5km s-min=13.1km az=155.0.
IDC X 30 02 38 30.1–2.1 21.55S 179.84W 0 4.3,4.1
¶602000404
IDC Error ellipse: s-maj=163.6km s-min=33.6km az=159.0.
IDC X 30 06 41 06.8–2.1 17.85S 178.44W 462–27 4.3,3.7
¶602000440
IDC Error ellipse: s-maj=77.0km s-min=13.6km az=151.0.
ISC X 30 07 12 36.3–.23 17.97S–.04 178.46W–.04 579 4.9b 824 8-175
MOS X 30 07 12 33.6–.91 17.78S 178.60W 547 5.1b **¶601859283**
NEIC X 30 07 12 34.8–.32 17.92S 178.59W 559–4 4.9b
WEL X 30 07 12 34.0 17.92S 178.59W 559 4.9b
IDC X 30 07 12 34.2–1.2 17.92S 178.49W 551–13 5.4,4.6
BJI X 30 07 12 35.6 17.55S 178.58W 560 4.9b,4.9b
ISCJB X 30 07 12 35.5–.09 17.94S–.02 178.62W–.03 579 4.9b,4.9b
GCMT X 30 07 12 38.8–.30 18.04S–.03 178.47W–.03 579–2 5.5W,4.9b
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s64,c90;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.06 $M_{\theta\theta}$1.61±.09; $M_{\phi\phi}$-1.49±.09; $M_{r\theta}$0.80±.10; $M_{\theta\phi}$-0.46±.09; $M_{\phi r}$-1.35±.08; Best double couple: NP1: ϕ_s323.00000°,δ87.00000°,λ-44.00000°. NP2:ϕ_s55.00000°,δ46.00000°,λ-176.00000°. Principal axes: T 2.1880,Plg27.0000°,Azm18.0000°; N 0.1350,Plg46.0000°,Azm140.0000° ; P -2.3170,Plg32.0000°,Azm269.0000° $M_0$2.25300×10^{17}
ISC X 30 08 09 18.6–.68 21.59S–.07 177.8W–.10 381 4.0b 36 8-172
IDC X 30 08 09 16.9–2.5 21.52S 177.84W 354–26 4.5,3.8 **¶601859287**
ISCJB X 30 08 09 17.1–.63 21.50S–.06 177.8W–.10 381 3.8b,3.8
WEL X 30 08 09 19.1–3.8 22S–12 179E–91 179–89 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC X 30 15 02 39.7–55 19.54S 179.20W 0 3.8,3.7
¶602000493
IDC Error ellipse: s-maj=994.7km s-min=145.6km az=81.0.
ISC X 30 15 22 49.1–.27 18.07S–.06 178.58W–.05 579 4.5b 561 8-175
ISCJB X 30 15 22 48.3–.15 17.97S–.04 178.57W–.04 579 4.5b **¶601874275**
NEIC X 30 15 22 52.7–.44 18.01S 178.55W 624–5 4.6b
IDC X 30 15 22 52.3–1.1 18.03S 178.48W 617–14 4.8,4.0
MOS X 30 15 22 52.2–1.6 17.87S 178.54W 618 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=152.1.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=150.0.
IDC Error ellipse: s-maj=10.6km s-min=8.4km az=137.0.
MOS Error ellipse: s-maj=10.0km s-min=8.3km az=50.2.
ISC X 30 15 51 44.9–.67 21.1S–.20 179.1W–.10 619 3.7b 17 14-150
IDC X 30 15 51 38.9–2.6 21.07S 178.89W 550–28 4.1,3.5 **¶602000502**
ISCJB X 30 15 51 43.4–.64 21.2S–.20 179.1W–.10 619 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 19 08 40.6–.62 19.7S–.10 177.4W–.10 550 4.2b 32 8-152
ISCJB X 30 19 08 39.9–.47 19.7S–.10 177.44W–.09 550 4.0b **¶601867017**
IDC X 30 19 08 39.9–1.9 19.80S 177.40W 538–21 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=8.6km az=145.5.
IDC Error ellipse: s-maj=26.1km s-min=12.1km az=153.0.
ISC X 31 09 24 41.2–.76 17.4S–.20 178.8W–.20 533 3.4b 12 8-147
ISCJB X 31 09 24 40.4–.66 17.5S–.20 178.8W–.20 533 3.5b **¶602000599**
IDC X 31 09 24 40.1–2.1 17.37S 178.83W 515–27 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.0km s-min=12.3km az=147.1.
IDC Error ellipse: s-maj=37.1km s-min=14.1km az=150.0.
ISC X 31 12 35 15.8–.42 18.86S–.07 177.39W–.08 350 4.4b 219 7-149
IDC X 31 12 35 14.1–2.0 18.74S 177.41W 330–21 4.6,4.1 **¶601867020**
ISCJB X 31 12 35 15.3–.15 18.73S–.04 177.58W–.04 350 4.4b,4.1
NEIC X 31 12 35 18.2–1.5 18.72S 177.56W 368–16 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=136.1.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=151.0.
IDC X 31 17 01 22.0–4.9 19.77S 176.64W 0 3.8,3.6
¶602000645
IDC Error ellipse: s-maj=241.3km s-min=52.2km az=151.0.
ISC X 31 19 08 19.6–1.4 18.5S–.50 177.5W–.20 35 4.7b 21 34-90
IDC X 31 19 08 13.9–1.5 18.53S 177.39W 0 4.5,4.3 **¶601902240**
ISCJB X 31 19 08 18.0–.92 18.4S–.40 177.6W–.20 33 4.5b,4.3
NEIC X 31 19 08 37.1–.88 18.88S 177.55W 200 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=86.2km s-min=21.0km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=61.1km s-min=11.9km az=157.7.
NEIC Event type se. Error ellipse: s-maj=66.5km s-min=10.4km az=157.0.
IDC XI 01 05 01 08.7–2.0 20.19S 177.49W 483–34 4.3,3.5
¶602388662
IDC Error ellipse: s-maj=27.1km s-min=22.0km az=172.0.
IDC XI 01 09 09 12.1–2.0 17.43S 178.55W 547–28 4.2,3.4
¶602388673
IDC Error ellipse: s-maj=91.3km s-min=17.9km az=147.0.
ISC XI 01 09 48 03.6–.68 20.29S–.05 177.61W–.06 493–7 4.9b 337 7-173
BJI XI 01 09 47 59.0 19.97S 177.09W 460 5.0b,4.9b **¶601867328**
ISCJB XI 01 09 48 01.4–.55 20.16S–.03 177.64W–.05 475–6 4.8b,4.9b
MOS XI 01 09 48 01.4–2.3 20.28S 177.86W 453 5.0b,4.9b
IDC XI 01 09 48 01.5–1.4 20.19S 177.59W 469–14 4.9,4.3
WEL XI 01 09 48 03.0–1.1 21S–13 176W–54 529–9 4.9,4.3
NEIC XI 01 09 48 04.2–.45 20.28S 177.64W 502–5 5.0b,4.3
GCMT XI 01 09 48 07.2–.60 20.23S–.04 177.63W–.05 516–3 5.2W,4.3
ISC Event type se.
ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s53,c75;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74±.04 $M_{\theta\theta}$0.77±.06; $M_{\phi\phi}$-0.02±.06; $M_{r\theta}$0.36±.07; $M_{\theta\phi}$0.07±.06; $M_{\phi r}$-0.17±.07; Best double couple: NP1: ϕ_s278.00000°,δ59.00000°,λ-76.00000°. NP2:ϕ_s72.00000°,δ34.00000°,λ-112.00000°. Principal axes: T 0.8480,Plg13.0000°,Azm358.0000°; N 0.0080,Plg12.0000°,Azm91.0000° ; P -0.8560,Plg72.0000°,Azm223.0000° $M_0$0.85200×10^{17}
IDC XI 01 19 55 54.7–56 19.55S 177.84W 0 4.2,4.0
¶602388690
IDC Error ellipse: s-maj=1022.0km s-min=158.8km az=82.0.
IDC XI 02 06 25 36.1–1.9 16.43S 177.94W 0 4.2,3.9
¶602388706
IDC Error ellipse: s-maj=127.2km s-min=22.3km az=153.0.
ISC XI 02 08 05 13.8–.68 20.3S–.10 178.1W–.10 534 3.4b 20 9-173
ISCJB XI 02 08 05 13.2–.64 20.4S–.10 178.0W–.10 534 3.5b **¶602388708**
IDC XI 02 08 05 18.7–2.6 20.47S 178.20W 581–28 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=9.7km az=142.6.
IDC Error ellipse: s-maj=27.4km s-min=16.8km az=169.0.
ISC XI 04 15 47 31.9–.91 20.7S–.20 178.7W–.20 587 3.5b 15 37-150
ISCJB XI 04 15 47 30.9–.81 20.7S–.20 178.7W–.10 587 3.6b **¶602388808**
IDC XI 04 15 47 33.8–2.7 20.69S 178.67W 609–33 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.4km s-min=14.0km az=149.3.
IDC Error ellipse: s-maj=23.2km s-min=12.7km az=152.0.
IDC XI 05 00 34 37.6–18 20.62S 177.40W 515–170 4.3,3.5
¶602388830
IDC Error ellipse: s-maj=112.0km s-min=62.3km az=97.0.
IDC XI 05 04 26 50.8–15 17.31S 178.69W 497–179 4.0,3.5
¶602388839
IDC Error ellipse: s-maj=102.7km s-min=51.1km az=166.0.
ISC XI 05 22 02 55.0–.69 20.4S–.20 177.5W–.10 450 16 8-147
ISCJB XI 05 22 02 54.2–.54 20.3S–.10 177.6W–.10 450 **¶602388890**
IDC XI 05 22 02 55.8–2.0 20.29S 177.53W 460–24 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=9.2km az=136.3.
IDC Error ellipse: s-maj=32.9km s-min=13.1km az=148.0.
ISC XI 06 03 36 22.4–.35 21.56S–.04 178.67W–.05 525–3 4.8b 1081 8-176
BJI XI 06 03 36 16.6 21.29S 178.22W 478 5.0b,5.0b **¶601991461**
ISCJB XI 06 03 36 19.8–.48 21.41S–.02 178.84W–.03 492–5 4.8b,5.0b
MOS XI 06 03 36 20.3–1.1 21.40S 178.79W 501 4.6b,5.0b
NEIC XI 06 03 36 22.6–.48 21.57S 178.81W 522–5 4.8b,5.0b
WEL XI 06 03 36 22.8–1.2 22S–9.0 178W–35 537–10 4.8b,5.0b
IDC XI 06 03 36 23.5–.66 21.49S 178.71W 531–6 5.5,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.2km az=44.6.
MOS Error ellipse: s-maj=9.3km s-min=7.7km az=61.3.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=145.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.0km s-min=7.9km az=150.0.
IDC XI 07 08 29 10.5–7.2 20.64S 178.66W 458–85 3.8,3.2
¶602388952
IDC Error ellipse: s-maj=33.4km s-min=23.6km az=20.0.
IDC XI 07 14 56 47.9–24 21.02S 178.21W 494–227 4.0,3.4
¶602388963
IDC Error ellipse: s-maj=174.3km s-min=108.5km az=119.0.
IDC XI 08 02 35 53.9–2.9 17.04S 179.74W 0 3.8,3.5
¶602389010
IDC Error ellipse: s-maj=346.7km s-min=34.9km az=159.0.
ISC XI 08 02 40 32.5–.75 21.6S–.20 178.3W–.20 400 3.4b 11 10-90
IDC XI 08 02 40 29.9–2.7 21.60S 178.33W 367–30 4.1,3.6 **¶602389011**
ISCJB XI 08 02 40 31.4–.65 21.7S–.10 178.3W–.10 400 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 08 06 38 36.7–2.0 16.69S 178.16W 0 4.0,3.7
¶602389022
IDC Error ellipse: s-maj=126.5km s-min=27.2km az=153.0.
ISC XI 08 07 13 04.1–.43 18.12S–.08 178.14W–.08 590 4.3b 128 7-151
ISCJB XI 08 07 13 02.5–.23 18.12S–.04 178.09W–.06 590 4.3b **¶601881300**
NEIC XI 08 07 13 05.8–.60 18.17S 178.03W 618–8 4.4b
IDC XI 08 07 13 07.8–1.1 18.07S 178.13W 639–15 4.6,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=23.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=121.0.
IDC Error ellipse: s-maj=13.6km s-min=8.6km az=147.0.
IDC XI 08 09 15 54.6–20 17.86S 179.66W 683–183 4.1,3.1
¶602389026
IDC Error ellipse: s-maj=214.9km s-min=30.9km az=46.0.
ISC XI 08 15 52 16.1–.72 17.8S–.20 178.5W–.10 550 3.7b 20 8-148
IDC XI 08 15 52 13.8–1.6 17.73S 178.64W 509–20 4.3,3.6 **¶602389039**
ISCJB XI 08 15 52 14.9–.63 17.8S–.10 178.5W–.10 550 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 09 02 26 38.0–49 16.89S 178.84W 0 4.6,4.4
¶602389069
IDC Error ellipse: s-maj=899.9km s-min=149.6km az=77.0.
IDC XI 09 13 46 49.8–50 16.67S 179.33W 0 4.0,3.8
¶602389097
IDC Error ellipse: s-maj=909.7km s-min=158.3km az=77.0.
ISC XI 09 17 20 26.7–.31 20.83S–.04 176.99W–.06 289 4.7b 326 8-172
BJI XI 09 17 20 24.0 20.60S 177.00W 265 4.9b,4.5b **¶601882850**
ISCJB XI 09 17 20 25.8–.15 20.75S–.02 177.05W–.04 289 4.7b,4.5b
NEIC XI 09 17 20 25.3–1.1 20.70S 177.05W 274–11 4.8b,4.5b
IDC XI 09 17 20 25.9–2.6 20.68S 176.98W 276–24 4.9,4.4
WEL XI 09 17 20 32.9–1.0 22S–12 176W–46 311–11 4.9,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 09 22 36 17.1–.73 20.6S–.10 178.0W–.10 534 4.0b 27 18-153
ISCJB XI 09 22 36 16.7–.61 20.6S–.10 178.1W–.10 534 3.9b **¶606804533**
IDC XI 09 22 36 19.6–2.7 20.75S 177.95W 565–31 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=13.8km az=37.8.
IDC Error ellipse: s-maj=25.0km s-min=14.4km az=147.0.
IDC XI 10 04 48 45.6–3.8 18.61S 176.04W 0 4.5,4.4
¶602389134
IDC Error ellipse: s-maj=160.8km s-min=32.1km az=144.0.
IDC XI 10 07 41 31.6–6.8 20.17S 177.64W 318–93 3.9,3.4
¶602389140
IDC Error ellipse: s-maj=75.5km s-min=38.4km az=126.0.
IDC XI 10 20 49 22.1–29 15.95S 179.11W 0 3.9,3.8
¶602389173
IDC Error ellipse: s-maj=558.8km s-min=143.6km az=82.0.
IDC XI 11 00 06 29.6–2.9 14.95S 176.03E 0 4.0,3.6
¶602389183
IDC Error ellipse: s-maj=188.4km s-min=26.0km az=150.0.
ISC XI 11 04 11 43.4–.44 17.90S–.08 178.61W–.09 579 4.5b 169 8-161
NEIC XI 11 04 11 37.4–.65 17.79S 178.43W 510–7 4.5b **¶601883924**
IDC XI 11 04 11 37.9–1.3 17.83S 178.41W 513–15 4.6,3.9
ISCJB XI 11 04 11 42.1–.28 17.92S–.06 178.57W–.06 579 4.4b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 05 01 18.9–.45 17.46S–.08 178.41W–.07 550 4.7b 69 7-147
BJI XI 11 05 01 15.2 17.30S 177.80W 573 5.2b,4.6b **¶601883927**
NEIC XI 11 05 01 16.5–.70 17.27S 177.82W 579–13 4.8b,4.6b
ISCJB XI 11 05 01 17.4–.34 17.54S–.05 178.41W–.06 550 4.7b,4.6b
IDC XI 11 05 01 17.1–1.3 17.55S 178.43W 515–16 4.7,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.6km az=42.6.
IDC Error ellipse: s-maj=13.4km s-min=9.2km az=148.0.
ISC XI 11 07 34 00.3–3.0 20.0S–.90 177.9W–.60 500 3.6b 8 8-150
IDC XI 11 07 33 58.4–5.1 20.69S 177.26W 516–31 4.0,3.3 **¶602389207**
ISCJB XI 11 07 34 00.0–4.8 20S–1.0 178.0W–1.0 500 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke.

ISC XI 12 01 24 35.4–2.9 16.0S–.70 176.4E–.70 35 4.0b,3.9s 6 11-144
IDC XI 12 01 24 29.9–3.1 16.08S 176.46E 0 4.3,4.1 ¶602389261
ISC Event type ke.
IDC Error ellipse: s-maj=139.8km s-min=30.2km az=139.0.
ISC XI 12 05 58 31.2–.51 18.7S–.10 177.72W–.10 600 4.0b 53 7-174
ISCJB XI 12 05 58 30.1–.39 18.77S–.09 177.81W–.09 600 4.0b ¶602389276
IDC XI 12 05 58 32.7–1.3 18.61S 177.71W 614–15 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.9km az=139.5.
IDC Error ellipse: s-maj=17.6km s-min=9.9km az=143.0.
IDC XI 12 16 21 49.2–3.5 18.19S 177.30W 0 4.4,4.2
¶602389296
IDC Error ellipse: s-maj=152.7km s-min=38.1km az=143.0.
IDC XI 12 18 45 00.5–21 20.72S 178.03W 493–193 4.1,3.3
¶602389302
IDC Error ellipse: s-maj=144.2km s-min=88.5km az=93.0.
IDC XI 12 23 35 47.1–18 19.88S 176.15W 265–173 3.8,3.4
¶602389311
IDC Error ellipse: s-maj=59.3km s-min=36.5km az=57.0.
IDC XI 13 01 26 57.6–1.9 15.05S 179.41W 0 4.1,3.8
¶602389317
IDC Error ellipse: s-maj=130.9km s-min=24.4km az=151.0.
IDC XI 13 08 24 31.2–1.7 16.88S 178.24W 0 4.2,3.9
¶602389331
IDC Error ellipse: s-maj=112.9km s-min=23.1km az=149.0.
IDC XI 13 14 42 43.7–59 20.30S 178.30W 0 3.9,3.7
¶602389348
IDC Error ellipse: s-maj=1085.0km s-min=159.7km az=82.0.
ISC XI 13 16 01 59.3–.71 18.1S–.20 177.6W–.10 350 3.7b 14 7-146
ISCJB XI 13 16 01 58.2–.63 18.2S–.10 177.6W–.10 350 3.6b ¶602389351
IDC XI 13 16 01 58.5–2.2 18.36S 177.75W 325–24 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=9.2km az=145.4.
IDC Error ellipse: s-maj=21.0km s-min=17.6km az=35.0.
ISC XI 13 19 49 14.6–1.1 17.0S–.30 178.7W–.20 453 3.6b 10 7-147
IDC XI 13 19 49 07.6–2.3 16.85S 178.69W 375–26 4.2,3.6 ¶602389358
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=14.8km az=148.0.
IDC XI 14 10 13 31.7–7.8 15.07S 176.93W 0 4.0,3.7
¶602389385
IDC Error ellipse: s-maj=351.1km s-min=37.3km az=140.0.
ISC XI 14 18 22 31.5–.27 14.49S–.05 173.78E–.05 600 5.0b 573 8-172
IDC XI 14 18 22 30.4–1.1 14.52S 173.88E 588–12 5.3,4.5 ¶601991982
ISCJB XI 14 18 22 30.7–.11 14.48S–.03 173.73E–.02 600 4.9b,4.5
BJI XI 14 18 22 30.2 14.50S 173.70E 604 4.7b,4.6b
MOS XI 14 18 22 31.3–.76 14.40S 173.69E 611 5.0b,4.6b
NEIC XI 14 18 22 32.1–.11 14.48S 173.74E 606 5.2b,4.6b
GCMT XI 14 18 22 35.1–.80 14.61S–.06 173.70E–.06 611–5 5.3W,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s51,c71;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.05 $M_{\theta\theta}$0.95±.07; $M_{\phi\phi}$-0.93±.07; $M_{r\theta}$0.02±.08; $M_{\theta\phi}$0.45±.08; $M_{\phi r}$-0.46±.07; Best double couple: NP1:ϕ_s34.00000°,δ79.00000°,λ-161.00000°. NP2:ϕ_s300.00000°,δ72.00000°,λ-12.00000°. Principal axes: T 1.0610,Plg5.0000°,Azm166.0000°; N 0.1500,Plg69.0000°,Azm64.0000°; P -1.2110,Plg21.0000°,Azm258.0000° $M_0$1.13600×10^{17}
ISC XI 15 04 32 05.5–.66 18.6S–.10 176.8W–.10 300 3.7b 16 7-149
ISCJB XI 15 04 32 04.6–.53 18.5S–.10 176.9W–.10 300 3.7b ¶602389429
IDC XI 15 04 32 06.2–2.0 18.62S 176.87W 304–20 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=8.1km az=135.9.
IDC Error ellipse: s-maj=20.6km s-min=10.8km az=127.0.
ISC XI 15 13 23 13.3–.87 18.1S–.20 178.1W–.20 590 4.1b 11 7-86
ISCJB XI 15 13 23 12.5–.72 18.2S–.20 178.1W–.10 590 4.1b ¶602389455
IDC XI 15 13 23 12.4–1.4 18.12S 178.18W 564–24 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.0km s-min=9.9km az=148.6.
IDC Error ellipse: s-maj=29.2km s-min=17.8km az=140.0.
ISC XI 15 13 26 16.4–.70 19.3S–.10 176.6W–.10 300 3.5b 18 7-149
IDC XI 15 13 26 15.8–2.3 19.25S 176.76W 276–23 4.1,3.6 ¶602389456
ISCJB XI 15 13 26 16.1–.69 19.36S–.10 176.7W–.10 300 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 15 13 33 10.9–9.1 19.26S 177.43W 442–289 3.9,3.2
¶602389457
IDC Error ellipse: s-maj=266.4km s-min=79.6km az=108.0.
IDC XI 16 17 15 40.4–5.8 20.16S 176.52W 0 3.9,3.7b
¶602389523
IDC Error ellipse: s-maj=262.7km s-min=92.9km az=158.0.
ISC XI 17 05 29 44.5–.46 20.31S–.04 178.36W–.05 585–5 4.7b 665 9-173
ISCJB XI 17 05 29 42.9–.58 20.35S–.03 178.50W–.03 569–7 4.6b ¶601906755
BJI XI 17 05 29 43.6 20.02S 177.77W 596 5.3b,5.0b
NEIC XI 17 05 29 45.0–.44 20.35S 178.49W 586–5 4.7b,5.0b
IDC XI 17 05 29 46.4–1.2 20.35S 178.52W 601–14 5.1,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=153.5.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=134.0.
IDC Error ellipse: s-maj=8.6km s-min=7.7km az=140.0.
ISC XI 17 18 22 23.5–.61 18.0S–.10 177.9W–.10 590 3.8b 20 7-148
ISCJB XI 17 18 22 22.5–.52 18.1S–.10 177.96W–.10 590 3.8b ¶602389576
IDC XI 17 18 22 22.7–1.3 18.05S 177.92W 576–17 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=9.3km az=147.4.
IDC Error ellipse: s-maj=15.0km s-min=11.8km az=133.0.
IDC XI 17 18 46 42.9–73 19.54S 178.10W 628–430 3.7,2.7
¶602389578
IDC Error ellipse: s-maj=846.5km s-min=97.3km az=74.0.
ISC XI 18 16 44 43.6–.81 18.4S–.20 178.3W–.20 600 3.7b 17 15-148
ISCJB XI 18 16 44 42.7–.73 18.5S–.20 178.3W–.10 600 3.7b ¶602389616
IDC XI 18 16 44 42.6–3.4 18.43S 178.26W 585–41 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=14.2km az=148.8.
IDC Error ellipse: s-maj=28.8km s-min=18.3km az=168.0.
IDC XI 18 21 20 09.8–6.4 17.41S 176.88W 0 4.3,4.0
¶602389628
IDC Error ellipse: s-maj=320.2km s-min=51.7km az=146.0.
IDC XI 18 23 19 24.1–3.2 15.61S 176.04E 0 4.2,3.9b
¶601992794
IDC Error ellipse: s-maj=145.6km s-min=32.8km az=140.0.
ISC XI 19 17 09 00.6–1.3 17.1S–.40 179.2W–.30 533 3.2b 11 14-147
ISCJB XI 19 17 09 00.0–1.1 17.1S–.40 179.3W–.30 533 3.3b ¶602389684
IDC XI 19 17 09 01.0–5.3 17.14S 179.24W 536–63 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=61.5km s-min=14.6km az=147.5.
IDC Error ellipse: s-maj=64.4km s-min=24.3km az=151.0.
IDC XI 19 23 25 43.2–48 19.03S 176.69W 0 4.0,3.8
¶602389707
IDC Error ellipse: s-maj=896.6km s-min=166.9km az=81.0.
ISC XI 20 03 35 50.3–.55 18.0S–.10 178.10W–.09 590 4.2b 45 7-175
IDC XI 20 03 35 48.2–1.3 17.88S 178.06W 562–16 4.5,3.6 ¶602389715
ISCJB XI 20 03 35 49.6–.49 17.8S–.10 178.18W–.09 590 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 20 13 15 15.0–14 19.95S 178.00W 424–157 4.2,3.7
¶602389737
IDC Error ellipse: s-maj=49.7km s-min=34.4km az=1.0.
IDC XI 20 21 40 13.2–8.8 20.99S 178.32W 614–112 4.1,3.3
¶602389755
IDC Error ellipse: s-maj=66.0km s-min=36.5km az=21.0.
IDC XI 21 03 28 24.2–27 17.42S 177.45W 163–217 3.9,3.7
¶602389766
IDC Error ellipse: s-maj=282.9km s-min=59.2km az=139.0.
ISC XI 21 10 28 47.3–.77 18.2S–.20 178.2W–.10 550 3.7b 11 8-90
ISCJB XI 21 10 28 46.6–.64 18.3S–.20 178.2W–.10 550 3.6b ¶602389783
IDC XI 21 10 28 46.9–1.9 18.42S 178.20W 530–28 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=9.7km az=148.9.
IDC Error ellipse: s-maj=24.4km s-min=17.9km az=178.0.
ISC XI 21 13 25 53.2–1.4 17.1S–.60 179.3W–.40 533 3.3b 8 8-87
IDC XI 21 13 25 51.2–7.0 17.08S 179.18W 507–84 3.8,3.3 ¶602389788
ISCJB XI 21 13 25 52.6–1.3 17.1S–.60 179.3W–.40 533 3.3b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 21 14 50 21.1–.68 21.61S–.08 179.4W–.10 604 61 8-147
IDC XI 21 14 50 18.7–2.0 21.24S 179.37W 568–24 4.3,3.6 ¶601993480
ISCJB XI 21 14 50 20.6–.56 21.52S–.06 179.3W–.10 604 3.9b,3.6
WEL XI 21 14 50 27.2–1.2 22S–10 178W–43 654–20 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 21 16 05 51.8–4.3 16.88S 177.84W 0 4.1,3.8
¶602389796
IDC Error ellipse: s-maj=183.3km s-min=35.7km az=139.0.
IDC XI 21 22 08 33.8–1.6 15.48S 178.44W 0 4.6s,4.6
¶602389806
IDC Error ellipse: s-maj=100.8km s-min=21.5km az=147.0.
ISC XI 22 06 18 56.5–.65 15.9S–.10 178.13W–.10 10 4.2b,4.0s 30 6-177
ISCJB XI 22 06 18 54.6–.45 15.90S–.10 178.15W–.07 10 4.4b,4.0s ¶601993629
IDC XI 22 06 18 55.1–1.3 16.03S 178.02W 0 4.3,4.0
NEIC XI 22 06 18 56.4–.37 15.92S 178.14W 10 4.6b,4.0
GCMT XI 22 06 19 01.4–.30 16.13S–.02 177.56W–.01 17–1 5.0W,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c33; s97,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.14 $M_{\theta\theta}$-3.31±.13; $M_{\phi\phi}$3.45±.12; $M_{r\theta}$-0.63±.31; $M_{\theta\phi}$0.83±.12; $M_{\phi r}$2.22±.40; Best double couple: NP1:ϕ_s322.00000°,δ85.00000°,λ150.00000°. NP2:ϕ_s55.00000°,δ60.00000°,λ6.00000°. Principal axes: T 4.5390,Plg25.0000°,Azm274.0000°; N -0.8600,Plg59.0000°,Azm133.0000°; P -3.6830,Plg17.0000°,Azm12.0000° $M_0$4.11100×10^{16}
IDC XI 22 08 32 05.2–3.3 17.90S 176.06W 0 3.9,3.8
¶602389828
IDC Error ellipse: s-maj=172.1km s-min=32.3km az=145.0.
ISC XI 22 09 41 34.6–2.6 18.7S–.90 178.1W–.50 550 3.2b 7 8-148
IDC XI 22 09 41 33.9–2.3 18.13S 178.69W 504–26 3.6,3.0 ¶602389829
ISC Event type ke.
IDC Error ellipse: s-maj=106.4km s-min=18.0km az=153.0.
ISC XI 22 14 16 39.9–.31 18.07S–.06 178.37W–.05 579 4.4b 396 8-175
IDC XI 22 14 16 39.8–1.1 18.00S 178.50W 574–12 4.8,4.1 ¶601993736
MOS XI 22 14 16 39.5–1.0 17.87S 178.55W 575 5.1b,4.1
NEIC XI 22 14 16 41.0–.69 17.92S 178.53W 583–8 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=8.0km az=144.0.
MOS Error ellipse: s-maj=11.6km s-min=8.7km az=150.1.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=153.0.
IDC XI 22 17 44 07.2–7.7 21.21S 178.16W 462–74 3.6,3.1
¶602389846
IDC Error ellipse: s-maj=111.1km s-min=26.7km az=150.0.
ISC XI 22 22 23 13.8–.71 19.9S–.10 177.7W–.10 500 3.8b 15 8-89
ISCJB XI 22 22 23 13.0–.57 20.0S–.10 177.6W–.10 500 3.7b ¶602389851
IDC XI 22 22 23 14.2–2.4 20.00S 177.67W 494–33 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=9.5km az=137.2.
IDC Error ellipse: s-maj=21.4km s-min=18.3km az=148.0.
ISC XI 23 09 53 09.9–.49 17.7S–.10 178.33W–.09 547 3.9b 27 7-147
ISCJB XI 23 09 53 09.1–.42 17.78S–.10 178.44W–.08 547 3.9b ¶602389874
IDC XI 23 09 53 11.2–1.3 17.69S 178.30W 564–17 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=8.8km az=151.3.
IDC Error ellipse: s-maj=16.1km s-min=11.0km az=147.0.
ISC XI 23 16 37 31.6–.43 17.82S–.09 178.39W–.07 579 4.3b 89 7-148
ISCJB XI 23 16 37 30.6–.25 17.88S–.05 178.43W–.05 579 4.4b ¶601993960
BJI XI 23 16 37 30.7 17.76S 178.83W 560 4.9b,4.4b
NEIC XI 23 16 37 30.6–.81 17.90S 178.38W 566–11 4.6b,4.4b
IDC XI 23 16 37 31.1–1.2 17.80S 178.40W 572–14 4.6,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.3km az=43.3.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=5.8km az=152.0.
IDC Error ellipse: s-maj=13.4km s-min=9.4km az=148.0.
ISC XI 24 06 29 10.8–1.3 17.6S–.70 178.8W–.40 539 3.6b 7 8-147
ISCJB XI 24 06 29 10.0–1.2 17.6S–.90 178.8W–.40 539 3.6b ¶602389928
IDC XI 24 06 29 10.0–2.2 17.46S 178.88W 521–31 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=128.7km s-min=15.5km az=154.9.
IDC Error ellipse: s-maj=104.4km s-min=15.7km az=154.0.
ISC XI 24 18 47 58.1–.43 21.47S–.04 178.73W–.05 538–4 4.8b 875 8-176
MOS XI 24 18 47 56.0–.94 21.25S 178.91W 513 4.8b ¶601994195
ISCJB XI 24 18 47 57.6–.48 21.39S–.02 178.97W–.03 532–6 4.7b
IDC XI 24 18 47 57.3–1.2 21.44S 178.76W 526–12 5.0,4.2
BJI XI 24 18 47 58.4 21.26S 178.44W 553 4.9b,4.8b
NEIC XI 24 18 47 59.2–.10 21.46S 178.91W 548 4.8b,4.8b
GCMT XI 24 18 48 00.2–.50 21.29S–.04 178.81W–.06 556–3 5.3W,4.8b
WEL XI 24 18 48 03.5–1.7 22S–12 178W–41 550–13 5.3W,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s43,c54;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59±.04 $M_{\theta\theta}$0.75±.07; $M_{\phi\phi}$-0.16±.08; $M_{r\theta}$-0.47±.08; $M_{\theta\phi}$-0.03±.06; $M_{\phi r}$-0.62±.08; Best double couple: NP1:ϕ_s58.00000°,δ71.00000°,λ-119.00000°. NP2:ϕ_s297.00000°,δ34.00000°,λ-36.00000°. Principal axes: T 0.9290,Plg21.0000°,Azm169.0000°; N 0.1850,Plg27.0000°,Azm68.0000°; P -1.1140,Plg55.0000°,Azm292.0000° $M_0$1.02200×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 25 09 16 43.7–.93 21.1S–.20 178.4W–.20 550 3.3b 12 10-151
ISCJB XI 25 09 16 42.6–.88 21.2S–.20 178.4W–.20 550 3.2b ¶602389964
IDC XI 25 09 16 42.5–2.3 21.28S 178.46W 526–26 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.5km s-min=11.0km az=44.8.
IDC Error ellipse: s-maj=35.6km s-min=17.2km az=143.0.
IDC XI 25 13 45 31.6–2.9 21.05S 179.48W 596–31 4.2,3.6
¶602389976
IDC Error ellipse: s-maj=73.9km s-min=17.6km az=154.0.
ISC XI 26 02 18 54.3–.51 20.5S–.10 178.4W–.10 587 3.9b 46 9-173
IDC XI 26 02 18 51.4–1.7 20.66S 178.25W 546–19 4.4,3.7 ¶602390013
ISCJB XI 26 02 18 53.6–.48 20.6S–.10 178.3W–.10 587 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 26 03 15 50.6–.95 21.3S–.20 179.0W–.20 600 3.0b 9 44-151
IDC XI 26 03 15 45.3–6.9 21.26S 178.77W 535–75 3.6,3.1 ¶602390015
ISCJB XI 26 03 15 49.3–.93 21.4S–.20 179.0W–.30 600 3.0b,3.1
ISC Event type ke.
ISCJB Event type ke.
ISC XI 26 07 58 24.9–.28 20.99S–.05 179.04W–.05 619 4.5b 505 8-172
NEIC XI 26 07 58 24.0–.50 20.89S 179.17W 604–6 4.5b ¶601994516
MOS XI 26 07 58 23.2–.77 20.88S 179.13W 603 4.6b
ISCJB XI 26 07 58 24.2–.11 20.97S–.03 179.18W–.03 619 4.5b
IDC XI 26 07 58 26.8–1.3 20.82S 179.25W 630–14 5.1,4.2
WEL XI 26 07 58 33.3–1.5 22S–10 178W–48 643–21 5.1,4.2
ISC Event type se.
NEIC Event type se.

ISCJB Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 26 08 53 35.4–.77 20.9S–.20 179.2W–.10 645 3.9b 34 10-150
IDC XI 26 08 53 32.3–1.6 20.73S 179.13W 606–19 4.5,3.7 **¶602390020**
ISCJB XI 26 08 53 33.5–.62 20.9S–.10 179.2W–.10 645 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 26 09 34 56.3–1.2 17.75S 177.71W 0 4.1,4.0b
¶602390022
IDC Error ellipse: s-maj=47.4km s-min=26.1km az=143.0.
IDC XI 26 14 29 24.2–3.4 16.98S 177.05W 0 4.2,3.8
¶601994575
IDC Error ellipse: s-maj=180.8km s-min=28.5km az=148.0.
IDC XI 27 06 05 04.9–32 20.98S 177.90W 412–307 4.3,3.6
¶602390040
IDC Error ellipse: s-maj=158.5km s-min=108.0km az=81.0.
ISC XI 27 14 31 04.6–.69 17.8S–.20 178.2W–.10 450 3.6b 16 7-150
ISCJB XI 27 14 31 04.3–.64 17.8S–.20 178.3W–.20 450 3.7b **¶602390065**
IDC XI 27 14 31 04.6–2.3 18.00S 178.18W 442–27 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=13.8km az=138.3.
IDC Error ellipse: s-maj=29.5km s-min=14.4km az=139.0.
IDC XI 27 18 51 49.4–29 17.85S 178.00W 0 4.0,3.8
¶602390070
IDC Error ellipse: s-maj=553.7km s-min=140.8km az=85.0.
ISC XI 28 01 43 16.9–2.2 19.4S–.90 179.7W–.40 600 10 13-149
IDC XI 28 01 43 15.4–5.5 20.11S 179.47W 589–71 4.0,3.3 **¶602390085**
ISC Event type ke.
IDC Error ellipse: s-maj=190.3km s-min=35.7km az=165.0.
IDC XI 28 02 01 14.0–7.5 18.70S 178.00W 0 3.8,3.5
¶602390086
IDC Error ellipse: s-maj=310.5km s-min=69.2km az=144.0.
ISC XI 28 10 16 48.6–.84 17.9S–.20 176.4W–.20 35 4.8b,4.1s 20 6-146
IDC XI 28 10 16 42.7–1.2 17.70S 176.21W 0 4.3,4.1 **¶601994999**
ISCJB XI 28 10 16 48.5–.54 18.01S–.08 176.5W–.10 35 4.7b,4.1s
GCMT XI 28 10 16 51.9–.40 17.32S–.03 176.80W–.02 18–2 4.9W,4.1s
NEIC XI 28 10 16 53.9–.84 17.92S 176.48W 79–8 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=26.6km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=8.6km az=30.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c15; s73,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.15 $M_{\theta\theta}$-1.87±.14; $M_{\phi\phi}$1.68±.11; $M_{r\theta}$1.56±.41; $M_{\theta\phi}$1.63±.12; $M_{\phi r}$1.32±.38; Best double couple: NP1:ϕ_s67.00000°,δ84.00000°,λ38.00000°. NP2:ϕ_s332.00000°,δ52.00000°,λ173.00000°. Principal axes: T 3.3800,Plg31.0000° ,Azm297.0000°; N -0.4890,Plg51.0000°,Azm74.0000°; P -2.8910,Plg21.0000° ,Azm194.0000° $M_0$3.13500×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.1km az=122.0.
ISC XI 29 00 30 31.8–.32 21.2S–.04 178.62W–.04 551–3 5.0b 947 8-172
MOS XI 29 00 30 28.1–1.1 20.98S 178.73W 509 5.0b **¶601995144**
ISCJB XI 29 00 30 29.9–.46 21.08S–.02 178.78W–.03 531–5 5.0b
IDC XI 29 00 30 30.9–.56 21.12S 178.74W 536–6 5.3,4.5
NEIC XI 29 00 30 31.3–.11 21.11S 178.77W 541 5.1b,4.5
BJI XI 29 00 30 32.5 20.80S 178.49W 563 5.3b,4.9b
GCMT XI 29 00 30 33.3–.20 21.03S–.02 178.67W–.02 544–1 5.5W,4.9b
WEL XI 29 00 30 36.6–1.1 22S–8.0 178W–35 550–10 5.5W,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s115,c188;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.27±.04 $M_{\theta\theta}$1.12±.07; $M_{\phi\phi}$1.15±.07; $M_{r\theta}$-0.23±.07; $M_{\theta\phi}$-0.97±.06; $M_{\phi r}$-1.57±.07; Best double couple: NP1: ϕ_s340.00000°,δ61.00000°,λ-68.00000°. NP2:ϕ_s119.00000°,δ36.00000°,λ-125.00000°. Principal axes: T 2.3410,Plg14.0000°,Azm54.0000°; N 0.6230,Plg19.0000°,Azm149.0000° ; P -2.9640,Plg66.0000°,Azm290.0000° $M_0$2.65200×10^{17}
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XI 29 00 59 34.8–7.3 19.02S 178.84W 0 3.9,3.6
¶602390143
IDC Error ellipse: s-maj=320.8km s-min=38.9km az=144.0.
ISC XI 29 10 37 41.3–.39 20.80S–.04 177.04W–.04 282–3 5.2b 1192 7-177
MOS XI 29 10 37 35.6–.86 20.62S 177.12W 236 5.3b **¶601995228**
ISCJB XI 29 10 37 36.9–.63 20.69S–.02 177.12W–.02 246–6 5.2b
BJI XI 29 10 37 37.0 20.60S 177.00W 248 5.2b,5.2b
NEIC XI 29 10 37 41.9–.65 20.72S 177.16W 286–6 5.3b,5.2b
IDC XI 29 10 37 42.1–.64 20.69S 177.07W 286–5 5.5,5.0
GCMT XI 29 10 37 44.8–.20 20.74S–.03 177.07W–.02 296–1 5.3W,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s84,c125;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.06±.02 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$0.63±.03; $M_{r\theta}$-1.00±.03; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$-0.29±.03; Best double couple: NP1: ϕ_s239.00000°,δ85.00000°,λ63.00000°. NP2:ϕ_s140.00000°,δ27.00000°,λ170.00000°. Principal axes: T 0.8900,Plg43.0000°,Azm123.0000°; N 0.5230,Plg27.0000°,Azm241.0000° ; P -1.4130,Plg35.0000°,Azm352.0000° $M_0$1.15100×10^{17}
IDC XI 30 01 02 16.0–5.7 17.78S 177.54W 0 3.8,3.6
¶602390209
IDC Error ellipse: s-maj=222.2km s-min=35.0km az=141.0.
IDC XI 30 03 23 29.8–53 17.39S 179.95W 0 4.2,4.0b
¶602390216
IDC Error ellipse: s-maj=960.7km s-min=155.1km az=78.0.
IDC XI 30 05 36 26.1–8.6 20.86S 177.87W 341–82 4.0,3.4
¶602390223
IDC Error ellipse: s-maj=52.5km s-min=34.4km az=4.0.
ISC XI 30 08 26 18.6–.34 19.22S–.07 177.48W–.06 570 4.4b 184 8-149
ISCJB XI 30 08 26 18.0–.16 19.28S–.04 177.58W–.04 570 4.3b **¶602390227**
NEIC XI 30 08 26 18.7–.54 19.21S 177.56W 564–6 4.4b
IDC XI 30 08 26 22.6–1.9 19.16S 177.64W 610–23 4.9,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.6km az=139.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=139.0.
IDC Error ellipse: s-maj=16.5km s-min=10.1km az=158.0.
ISC XI 30 09 28 42.2–.92 20.2S–.20 177.6W–.10 550 4.1b 16 8-150
ISCJB XI 30 09 28 41.2–.70 20.3S–.10 177.7W–.10 550 4.1b **¶602390231**
IDC XI 30 09 28 41.9–1.9 20.23S 177.79W 538–24 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=9.5km az=136.5.
IDC Error ellipse: s-maj=22.4km s-min=16.4km az=122.0.
ISC XI 30 18 31 37.5–.78 19.8S–.10 177.6W–.10 550 3.9b 15 8-150
ISCJB XI 30 18 31 36.8–.57 19.8S–.10 177.6W–.10 550 4.0b **¶601995486**
IDC XI 30 18 31 37.0–1.6 19.77S 177.70W 532–25 4.5,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=9.6km az=44.6.
IDC Error ellipse: s-maj=28.6km s-min=16.4km az=120.0.
IDC XI 30 21 36 21.7–3.8 18.11S 177.97W 596–41 3.8,3.2
¶602390253
IDC Error ellipse: s-maj=99.9km s-min=17.7km az=154.0.
ISC XII 01 15 27 19.6–1.5 15.5S–.60 176.5W–.20 10 4.0s,3.9b 11 5-146
IDC XII 01 15 27 19.5–1.6 14.99S 176.84W 0 4.2,3.9 **¶601995656**
ISC Event type ke.
IDC Error ellipse: s-maj=97.4km s-min=21.8km az=154.0.
IDC XII 01 18 07 11.4–7.0 19.99S 178.91W 0 3.7,3.5
¶602390290
IDC Error ellipse: s-maj=304.9km s-min=37.7km az=145.0.
ISC XII 01 19 53 41.3–1.3 20.7S–.20 178.3W–.20 500 3.6b 13 14-150
ISCJB XII 01 19 53 38.8–1.4 20.7S–.20 178.2W–.20 500 3.6b **¶602390293**
IDC XII 01 19 53 38.6–6.4 20.67S 178.16W 479–66 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.6km s-min=23.4km az=33.5.
IDC Error ellipse: s-maj=41.2km s-min=32.4km az=53.0.
IDC XII 01 23 10 29.5–6.1 18.47S 176.70W 0 4.7,4.4
¶602056183
IDC Error ellipse: s-maj=290.0km s-min=54.8km az=146.0.
ISC XII 02 03 28 42.1–.56 20.5S–.10 178.02W–.09 534 3.8b 38 9-173
ISCJB XII 02 03 28 41.3–.47 20.53S–.09 178.03W–.09 534 3.8b **¶602390322**
IDC XII 02 03 28 46.9–2.2 20.55S 178.20W 581–23 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=8.9km az=135.2.
IDC Error ellipse: s-maj=15.4km s-min=13.6km az=174.0.
IDC XII 02 18 52 50.8–47 16.70S 178.27W 0 4.0,3.8
¶602390366
IDC Error ellipse: s-maj=861.9km s-min=161.4km az=78.0.
ISC XII 02 19 17 47.7–1.4 18.7S–.60 177.7W–.30 550 3.9b 12 7-149
IDC XII 02 19 17 46.9–1.9 18.66S 177.82W 535–20 4.2,3.5 **¶602390368**
ISCJB XII 02 19 17 47.0–1.4 18.7S–.60 177.8W–.40 550 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 02 21 00 49.9–.29 21.79S–.06 179.37W–.05 592 4.8b 316 8-171
ISCJB XII 02 21 00 49.0–.18 21.68S–.04 179.36W–.03 592 4.7b **¶602210446**
NEIC XII 02 21 00 49.8–.62 21.61S 179.36W 590–7 4.8b
IDC XII 02 21 00 49.4–.93 21.61S 179.32W 583–10 5.0,4.1
BJI XII 02 21 00 51.5 21.19S 179.20W 610 5.1b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=162.8.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=164.0.
IDC Error ellipse: s-maj=10.9km s-min=9.9km az=75.0.
ISC XII 03 02 52 04.3–.86 20.4S–.20 177.5W–.20 300 3.5b 13 8-150
ISCJB XII 03 02 52 03.0–.72 20.4S–.20 177.6W–.20 300 3.4b **¶602390382**
IDC XII 03 02 52 05.8–2.6 20.48S 177.61W 317–27 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.7km s-min=9.5km az=137.9.
IDC Error ellipse: s-maj=33.8km s-min=14.5km az=148.0.
ISC XII 04 03 54 48.7–.41 19.79S–.05 177.69W–.05 553–4 4.8b 733 7-173
MOS XII 04 03 54 47.4–2.2 19.55S 177.78W 520 5.0b **¶601996024**
ISCJB XII 04 03 54 48.5–.56 19.79S–.04 177.80W–.03 554–7 4.7b
IDC XII 04 03 54 48.7–.63 19.75S 177.67W 549–6 5.1,4.3
WEL XII 04 03 54 48.0 19.78S 177.79W 544 5.1,4.3
NEIC XII 04 03 54 48.5–.12 19.78S 177.79W 544 4.8b,4.3
BJI XII 04 03 54 48.0 19.70S 177.80W 543 5.2b,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=8.7km az=138.9.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.4km az=149.7.
IDC Error ellipse: s-maj=10.8km s-min=9.0km az=132.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=137.0.
IDC XII 04 12 46 39.7–11 15.25S 178.10W 315–117 3.7,3.4
¶602390447
IDC Error ellipse: s-maj=42.3km s-min=24.0km az=164.0.
ISC XII 04 15 05 25.4–1.1 17.7S–.40 178.0W–.20 500 3.5b 14 7-147
IDC XII 04 15 05 23.6–1.6 17.65S 178.13W 469–20 4.1,3.6 **¶602390457**
ISC Event type ke.
IDC Error ellipse: s-maj=68.3km s-min=12.0km az=150.0.
IDC XII 04 22 24 17.7–6.4 17.78S 177.27W 0 4.1,3.8
¶602390470
IDC Error ellipse: s-maj=274.9km s-min=38.1km az=142.0.
IDC XII 05 00 20 06.1–19 20.10S 178.27W 650–202 4.7,3.7
¶602390477
IDC Error ellipse: s-maj=153.6km s-min=89.6km az=88.0.
ISC XII 05 05 45 32.0–.55 20.94S–.10 177.6W–.10 400 3.8b 25 9-172
ISCJB XII 05 05 45 31.2–.53 20.91S–.08 177.7W–.10 400 3.6b **¶602390488**
IDC XII 05 05 45 34.0–2.2 20.85S 177.81W 418–22 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=8.3km az=34.8.
IDC Error ellipse: s-maj=17.7km s-min=15.2km az=132.0.
ISC XII 05 19 14 08.1–.93 21.4S–.10 179.2W–.10 650 3.9b 23 13-151
ISCJB XII 05 19 14 06.5–.89 21.4S–.10 179.2W–.10 650 3.9b **¶602390517**
IDC XII 05 19 14 09.3–1.9 21.22S 179.34W 658–24 4.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=14.0km az=176.2.
IDC Error ellipse: s-maj=16.5km s-min=14.7km az=156.0.
ISC XII 05 19 18 51.5–2.5 20.1S–.70 177.7W–.50 500 3.7b 13 8-150
IDC XII 05 19 18 50.0–4.0 20.51S 177.58W 488–29 4.1,3.4 **¶602390518**
ISCJB XII 05 19 18 50.8–4.2 20S–1.0 177.8W–.80 500 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC XII 05 20 14 04.7–50 17.79S 176.52W 0 4.2,4.0
¶602390520
IDC Error ellipse: s-maj=930.3km s-min=165.3km az=80.0.
ISC XII 05 23 08 36.3–.30 20.74S–.04 178.83W–.04 622–3 5.1b 1324 9-175
ISCJB XII 05 23 08 34.3–.41 20.76S–.03 178.96W–.02 605–5 5.1b **¶601996101**
BJI XII 05 23 08 34.2 20.56S 178.51W 614 5.4b,5.3b
MOS XII 05 23 08 35.3–.79 20.67S 178.92W 613 5.2b,5.3b
NEIC XII 05 23 08 36.9–.07 20.78S 178.95W 626 5.1b,5.3b
WEL XII 05 23 08 36.0 20.78S 178.95W 626 5.1b,5.3b
IDC XII 05 23 08 36.5–.44 20.72S 178.88W 617–4 5.5,4.6
GCMT XII 05 23 08 37.9–.40 20.64S–.03 178.98W–.03 639–3 5.3W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s67,c92;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.03 $M_{\theta\theta}$0.21±.05; $M_{\phi\phi}$0.37±.05; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$0.28±.05; $M_{\phi r}$-0.90±.04; Best double couple: NP1:ϕ_s17.00000° ,δ74.00000°,λ-101.00000°. NP2:ϕ_s232.00000°,δ19.00000°,λ-56.00000°. Principal axes: T 1.0520,Plg29.0000°,Azm116.0000°; N 0.0670,Plg10.0000°,Azm20.0000° ; P -1.1190,Plg59.0000°,Azm272.0000° $M_0$1.08500×10^{17}
IDC XII 06 04 18 34.4–8.5 19.03S 176.32W 328–74 4.3,3.7
¶602390532
IDC Error ellipse: s-maj=126.7km s-min=34.8km az=157.0.
IDC XII 06 08 13 32.1–55 16.25S 177.30W 0 3.8,3.6
¶602390539
IDC Error ellipse: s-maj=1023.0km s-min=162.7km az=77.0.
IDC XII 07 04 18 34.0–3.3 19.99S 177.39W 0 4.1,3.8
¶602390572
IDC Error ellipse: s-maj=184.9km s-min=25.1km az=152.0.
IDC XII 07 10 02 18.8–1.4 13.27S 177.04W 0 3.6,3.5
¶602390602
IDC Error ellipse: s-maj=60.3km s-min=27.5km az=160.0.
IDC XII 07 18 14 43.8–7.3 18.73S 177.83W 0 3.8,3.5
¶602390719
IDC Error ellipse: s-maj=314.5km s-min=38.5km az=144.0.
ISC XII 08 16 02 17.3–.93 18.4S–.20 177.9W–.20 400 3.5b 9 7-148
ISCJB XII 08 16 02 16.2–.82 18.4S–.20 178.0W–.20 400 3.4b **¶602390826**
IDC XII 08 16 02 18.0–2.4 18.50S 178.02W 401–29 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=10.4km az=143.7.
IDC Error ellipse: s-maj=34.4km s-min=17.1km az=135.0.
IDC XII 09 14 06 05.8–16 18.52S 177.60W 518–140 3.4,2.8
¶602390904
IDC Error ellipse: s-maj=197.7km s-min=41.8km az=132.0.
IDC XII 10 03 54 24.6–7.3 21.74S 176.32W 276–63 3.7,3.2
¶602390961
IDC Error ellipse: s-maj=47.6km s-min=29.1km az=84.0.
IDC XII 10 15 48 18.8–57 15.81S 176.97W 0 3.8,3.7b
¶602037353
IDC Error ellipse: s-maj=1061.0km s-min=190.7km az=77.0.
ISC XII 10 18 34 46.5–.59 18.0S–.10 178.6W–.10 579 3.8b 25 8-148
IDC XII 10 18 34 43.4–1.6 17.90S 178.56W 540–19 4.4,3.7 **¶602391009**
ISCJB XII 10 18 34 45.3–.49 18.01S–.09 178.6W–.10 579 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 11 07 00 42.9–.41 20.63S–.06 177.90W–.06 500 4.1b 144 8-150

IDC XII 11 07 00 40.6–2.1 20.66S 177.85W 467–24 4.7,4.0 ¶602056192
WEL XII 11 07 00 43.0 20.60S 177.99W 490 4.7,4.0
NEIC XII 11 07 00 43.3–.53 20.60S 177.99W 490–6 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=13.1km az=152.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=147.0.
ISC XII 11 15 21 17.5–1.3 18.5S–.10 177.9W–.20 557 14 11-86
IDC XII 11 15 21 22.8–1.9 18.73S 177.87W 638–28 4.3,3.4 ¶602391101
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=19.2km az=37.0.
ISC XII 12 01 44 20.2–.31 19.56S–.06 176.15W–.05 10 5.0b,5.0s 324 6-173
IDC XII 12 01 44 18.8–.55 19.45S 176.18W 0 4.8,4.8s ¶602036420
ISCJB XII 12 01 44 19.2–.16 19.64S–.04 176.24W–.04 10 5.0s,5.0b
NEIC XII 12 01 44 20.7–.15 19.56S 176.28W 10 5.4W,5.1b
GCMT XII 12 01 44 23.7–.10 19.52S–.01 175.95W–.01 18–0 5.5W,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$1.55 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.16 Best double couple: NP1:ϕ_s307.00000° ,δ85.00000°,λ177.00000°. NP2:ϕ_s37.00000°,δ87.00000°,λ5.00000°. Principal axes: T 1.6400,Plg6.0000°,Azm262.0000°; N 0.2400,Plg84.0000°,Azm69.0000° ; P -1.8800,Plg1.0000°,Azm172.0000° M_o1.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c159; s139,c253;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.03 $M_{\theta\theta}$-2.02±.03; $M_{\phi\phi}$2.24±.03; $M_{r\theta}$-0.51±.07; $M_{\theta\phi}$-0.58±.02; $M_{\phi r}$0.95±.08; Best double couple: NP1:ϕ_s307.00000°,δ85.00000°,λ157.00000°. NP2:ϕ_s39.00000°,δ67.00000°,λ5.00000°. Principal axes: T 2.6750,Plg19.0000° ,Azm261.0000°; N -0.4930,Plg67.0000°,Azm115.0000°; P -2.1790,Plg12.0000° ,Azm355.0000° M_o2.42700×10^{17}
IDC XII 12 12 55 49.4–7.4 19.46S 176.55W 0 4.2,3.9 ¶602391187
IDC Error ellipse: s-maj=323.6km s-min=36.8km az=144.0.
IDC XII 12 15 04 47.6–7.0 19.04S 177.33W 0 4.1,3.8 ¶602391193
IDC Error ellipse: s-maj=302.8km s-min=36.2km az=144.0.
IDC XII 12 22 11 41.3–4.3 17.16S 177.73W 0 4.3,4.1 ¶602391212
IDC Error ellipse: s-maj=189.9km s-min=32.5km az=139.0.
ISC XII 12 22 42 52.1–1.6 18.8S–.60 176.8W–.40 10 4.1b,3.8s 7 16-149
ISCJB XII 12 22 42 50.7–1.4 18.8S–.60 176.8W–.40 10 4.1b,3.8s ¶602052174
IDC XII 12 22 42 50.5–1.7 18.77S 176.78W 0 4.4,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=93.7km s-min=18.3km az=150.0.
IDC Error ellipse: s-maj=110.6km s-min=21.2km az=150.0.
IDC XII 13 02 21 36.5–9.8 18.95S 177.56W 621–105 4.0,3.3 ¶602391223
IDC Error ellipse: s-maj=240.2km s-min=40.8km az=157.0.
IDC XII 13 03 55 16.4–58 20.35S 177.84W 0 4.7,4.5 ¶602391228
IDC Error ellipse: s-maj=1072.0km s-min=150.2km az=83.0.
ISC XII 13 07 32 03.2–.69 20.9S–.10 178.97W–.10 619 4.1b 22 14-90
ISCJB XII 13 07 32 02.1–.54 21.0S–.10 179.00W–.10 619 4.0b ¶602391240
IDC XII 13 07 32 03.2–1.7 20.91S 178.96W 618–20 4.5,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=11.7km az=179.6.
IDC Error ellipse: s-maj=17.0km s-min=13.8km az=2.0.
IDC XII 13 08 44 12.3–4.9 20.26S 178.09W 521–52 3.9,3.1 ¶602391245
IDC Error ellipse: s-maj=38.0km s-min=19.1km az=95.0.
ISC XII 13 11 57 04.0–.86 15.6S–.20 178.4W–.20 400 3.5b 10 23-143
ISCJB XII 13 11 57 02.8–.76 15.6S–.20 178.4W–.20 400 3.6b ¶602391263
IDC XII 13 11 57 04.5–8.9 15.63S 178.32W 408–98 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.8km s-min=16.1km az=42.3.
IDC Error ellipse: s-maj=35.2km s-min=23.7km az=5.0.
ISC XII 13 13 31 52.3–.47 20.34S–.07 177.7W–.10 550 4.2b 105 9-173
ISCJB XII 13 13 31 51.4–.40 20.21S–.04 177.7W–.10 550 4.2b ¶602043380
IDC XII 13 13 31 54.5–1.9 20.25S 177.82W 576–22 4.6,3.9
WEL XII 13 13 31 55.1–1.9 21S–16 177W–46 568–14 4.6,3.9
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC XII 14 09 37 44.7–3.5 16.42S 178.00W 428–40 4.0,3.6 ¶602391310
IDC Error ellipse: s-maj=81.1km s-min=13.4km az=151.0.
ISC XII 14 11 19 49.0–1.0 17.1S–.20 177.3W–.20 403 3.8b 22 16-147
IDC XII 14 11 19 48.8–2.3 16.97S 177.46W 396–22 4.1,3.7 ¶602391317
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=12.5km az=145.0.
ISC XII 14 16 52 42.8–.29 15.55S–.05 177.91W–.05 35 5.5s,5.2b 395 8-178
IDC XII 14 16 52 36.4–.52 15.23S 178.13W 0 5.4,5.3 ¶602043562
NEIC XII 14 16 52 38.2–.17 15.31S 178.19W 10 5.6s,5.4b
ISCJB XII 14 16 52 40.7–.16 15.42S–.04 178.14W–.03 33 5.5s,5.1b
MOS XII 14 16 52 41.2–1.1 15.30S 178.15W 39 5.5s,5.3b
GCMT XII 14 16 52 43.2–.10 15.28S–.01 177.96W–.01 15–0 5.8W,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c236; s144,c416; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28±.06 $M_{\theta\theta}$-0.94±.06; $M_{\phi\phi}$1.21±.06; $M_{r\theta}$0.22±.18; $M_{\theta\phi}$7.09±.06; $M_{\phi r}$-2.47±.21; Best double couple: NP1:ϕ_s356.00000°,δ89.00000° ,λ-161.00000°. NP2:ϕ_s266.00000°,δ71.00000°,λ-1.00000°. Principal axes: T 7.6930,Plg13.0000°,Azm129.0000°; N -0.2080,Plg71.0000°,Azm359.0000° ; P -7.4860,Plg14.0000°,Azm222.0000° M_o7.58900×10^{17}
ISC XII 14 17 37 04.8–1.3 20.8S–.30 178.5W–.20 579 3.7b 18 14-150
IDC XII 14 17 37 07.1–4.7 20.75S 178.58W 600–49 4.1,3.4 ¶602391335
ISC Event type ke.
IDC Error ellipse: s-maj=44.0km s-min=23.2km az=136.0.
IDC XII 14 21 08 57.7–5.7 17.97S 178.37W 469–65 4.2,3.6 ¶602391346
IDC Error ellipse: s-maj=43.2km s-min=25.6km az=168.0.
IDC XII 15 00 03 04.6–3.2 19.33S 178.30W 0 4.0,3.7 ¶602391355
IDC Error ellipse: s-maj=180.5km s-min=29.2km az=151.0.
IDC XII 15 02 40 05.2–2.5 13.40S 179.23W 0 4.2,3.8 ¶602052175
IDC Error ellipse: s-maj=257.1km s-min=23.0km az=153.0.
ISC XII 15 10 59 47.9–.91 20.6S–.20 178.0W–.20 534 3.7b 36 16-150
ISCJB XII 15 10 59 46.9–.88 20.49S–.10 178.1W–.20 534 3.5b ¶602391380
IDC XII 15 10 59 47.7–7.8 20.28S 178.15W 524–80 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.8km s-min=12.8km az=7.4.
IDC Error ellipse: s-maj=100.2km s-min=32.4km az=153.0.
IDC XII 15 15 35 47.4–10 18.81S 178.24W 556–117 3.6,3.0 ¶602391393
IDC Error ellipse: s-maj=112.6km s-min=37.7km az=147.0.
IDC XII 16 00 06 37.0–17 21.05S 178.10W 383–112 4.3,3.5 ¶602391429
IDC Error ellipse: s-maj=217.5km s-min=49.2km az=52.0.
IDC XII 16 07 21 47.7–6.2 17.88S 177.96W 607–72 3.6,3.1 ¶602391454
IDC Error ellipse: s-maj=90.1km s-min=24.4km az=151.0.
IDC XII 16 18 36 51.8–1.7 15.98S 177.58W 0 4.2,3.9b ¶602391484
IDC Error ellipse: s-maj=119.1km s-min=25.5km az=146.0.
ISC XII 16 22 15 56.9–.80 20.9S–.10 178.8W–.10 579 3.5b 18 8-150
IDC XII 16 22 15 51.4–2.9 20.76S 178.42W 516–33 4.0,3.3 ¶602391493
ISCJB XII 16 22 15 55.6–.70 20.9S–.10 178.6W–.20 579 3.4b,3.3
ISC Event type ke.

ISCJB Event type ke.
ISC XII 18 14 55 45.5–.79 15.1S–.20 177.8W–.10 379 3.6b 40 16-87
ISCJB XII 18 14 55 44.1–.61 15.18S–.08 177.8W–.10 379 3.8b ¶602391608
IDC XII 18 14 55 50.1–2.4 14.98S 177.85W 426–25 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=10.1km az=18.5.
IDC Error ellipse: s-maj=25.2km s-min=12.0km az=151.0.
ISC XII 19 00 23 39.8–.84 21.4S–.10 179.2W–.20 604 3.6b 40 8-151
ISCJB XII 19 00 23 38.6–.80 21.33S–.08 179.2W–.10 604 3.5b ¶602391643
WEL XII 19 00 23 39.3–1.9 22S–21 178W–45 670–34 3.5b
IDC XII 19 00 23 43.4–6.3 21.27S 179.44W 641–75 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=9.9km az=172.8.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=37.9km s-min=26.0km az=50.0.
IDC XII 19 11 51 39.9–3.4 18.59S 179.14W 0 4.3,3.9b ¶602391667
IDC Error ellipse: s-maj=150.8km s-min=79.8km az=171.0.
ISC XII 20 16 50 47.8–1.1 20.8S–.20 177.2W–.20 400 3.5b 15 38-151
ISCJB XII 20 16 50 47.7–.96 20.9S–.20 177.4W–.20 400 3.4b ¶602052928
IDC XII 20 16 50 54.5–6.9 20.94S 177.46W 460–71 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.1km s-min=19.7km az=39.0.
IDC Error ellipse: s-maj=32.5km s-min=25.3km az=88.0.
IDC XII 21 02 37 43.4–28 16.27S 176.23W 0 4.5,4.4 ¶602391772
IDC Error ellipse: s-maj=550.9km s-min=142.0km az=84.0.
ISC XII 21 09 26 50.4–.33 20.20S–.06 176.25W–.06 222 4.5b 195 6-173
IDC XII 21 09 26 50.2–2.8 20.00S 176.49W 220–24 4.5,4.1 ¶602056566
NEIC XII 21 09 26 51.4–1.2 20.03S 176.41W 232–12 4.6b,4.1
WEL XII 21 09 26 51.0 20.03S 176.41W 233 4.6b,4.1
GCMT XII 21 09 26 56.4–.20 20.08S–.02 176.11W–.02 265–1 5.2W,4.1
ISC Event type se.
NEIC Event type se.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c80; s90,c120;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80±.21 $M_{\theta\theta}$0.37±.27; $M_{\phi\phi}$1.43±.23; $M_{r\theta}$-4.92±.23; $M_{\theta\phi}$1.02±.22; $M_{\phi r}$-6.37±.18; Best double couple: NP1:ϕ_s38.00000°,δ83.00000°,λ-88.00000°. NP2:ϕ_s203.00000°,δ7.00000°,λ-104.00000°. Principal axes: T 8.3880,Plg38.0000° ,Azm126.0000°; N -0.2210,Plg2.0000°,Azm217.0000°; P -8.1650,Plg52.0000° ,Azm310.0000° M_o8.27600×10^{16}
IDC XII 21 10 47 60.0–14 20.91S 178.31W 430–145 4.0,3.2 ¶602391808
IDC Error ellipse: s-maj=121.4km s-min=39.9km az=25.0.
ISC XII 21 18 33 32.5–.52 16.7S–.10 176.36E–.09 35 4.6b,3.7s 49 11-147
IDC XII 21 18 33 26.7–.90 16.73S 176.43E 0 4.4,4.2 ¶602068810
ISCJB XII 21 18 33 30.5–.39 16.68S–.07 176.32E–.07 33 4.6b,3.6s
GCMT XII 21 18 33 31.6–.40 16.55S–.02 176.52E–.02 25–1 4.9W,3.6s
NEIC XII 21 18 33 34.6–2.4 16.69S 176.33E 55–22 4.9b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=18.4km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=9.0km az=154.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c25; s81,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.15 $M_{\theta\theta}$-0.21±.15; $M_{\phi\phi}$0.43±.12; $M_{r\theta}$0.41±.26; $M_{\theta\phi}$2.88±.10; $M_{\phi r}$-0.79±.23; Best double couple: NP1:ϕ_s358.00000°,δ83.00000°,λ-164.00000°. NP2:ϕ_s266.00000°,δ74.00000°,λ-8.00000°. Principal axes: T 3.0390,Plg6.0000° ,Azm131.0000°; N -0.0030,Plg72.0000°,Azm22.0000°; P -3.0370,Plg17.0000° ,Azm223.0000° M_o3.03800×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.6km az=201.0.
IDC XII 21 22 32 22.6–4.8 16.17S 177.33W 0 5.1,4.9 ¶602391831
IDC Error ellipse: s-maj=178.6km s-min=78.6km az=144.0.
IDC XII 22 18 19 42.0–16 18.24S 177.47W 542–140 3.3,2.7 ¶602391880
IDC Error ellipse: s-maj=198.8km s-min=40.9km az=132.0.
IDC XII 23 05 09 23.4–8.6 19.76S 177.92W 393–88 4.1,3.4 ¶602391907
IDC Error ellipse: s-maj=44.8km s-min=23.3km az=33.0.
IDC XII 23 08 11 17.6–65 16.85S 178.24W 0 4.2,4.0 ¶602391913
IDC Error ellipse: s-maj=1198.0km s-min=166.5km az=78.0.
IDC XII 23 10 34 39.0–15 18.82S 176.53W 291–125 3.9,3.5 ¶602391917
IDC Error ellipse: s-maj=130.4km s-min=41.4km az=132.0.
IDC XII 23 22 46 05.5–8.3 19.78S 178.34W 540–85 3.5,2.9 ¶602391948
IDC Error ellipse: s-maj=101.3km s-min=33.8km az=149.0.
IDC XII 24 03 48 19.3–1.9 21.67S 179.68W 0 4.2,3.9b ¶602391965
IDC Error ellipse: s-maj=150.2km s-min=29.5km az=160.0.
IDC XII 24 05 35 37.2–7.3 17.33S 178.22W 0 3.9,3.6 ¶602391972
IDC Error ellipse: s-maj=322.9km s-min=35.4km az=142.0.
IDC XII 24 06 26 25.5–5.7 17.55S 178.39W 508–61 3.8,3.3 ¶602391975
IDC Error ellipse: s-maj=75.1km s-min=21.4km az=149.0.
ISC XII 24 13 13 30.6–1.1 20.3S–.10 176.8W–.20 400 4.2b 21 16-150
ISCJB XII 24 13 13 29.6–.97 20.4S–.10 176.9W–.20 400 4.2b ¶602323391
IDC XII 24 13 13 29.9–10 20.15S 176.80W 388–87 4.5,3.8
NEIC XII 24 13 13 31.4–1.6 20.35S 176.80W 411–19 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=13.8km az=178.5.
IDC Error ellipse: s-maj=69.3km s-min=29.3km az=50.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.1km az=107.0.
ISC XII 25 13 50 38.8–1.3 17.5S–.40 178.9W–.30 600 3.5b 13 15-147
IDC XII 25 13 50 36.2–4.2 17.60S 178.75W 568–49 4.1,3.5 ¶602380591
ISCJB XII 25 13 50 37.7–1.2 17.6S–.50 178.8W–.30 600 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 25 15 16 13.5–1.5 17.4S–.60 176.2E–.30 35 3.9b,3.4s 22 10-149
IDC XII 25 15 16 07.8–1.8 17.66S 176.32E 0 4.3,4.0b ¶602324115
NEIC XII 25 15 16 13.3–1.1 17.54S 176.19E 35 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=115.5km s-min=23.5km az=156.0.
NEIC Event type se. Error ellipse: s-maj=71.1km s-min=11.3km az=155.0.
IDC XII 26 02 03 12.2–10 17.30S 178.67W 502–120 3.9,3.4 ¶602380613
IDC Error ellipse: s-maj=96.5km s-min=31.4km az=159.0.
ISC XII 26 02 58 23.4–.33 20.70S–.04 178.52W–.04 587–3 5.0b 1235 8-176
MOS XII 26 02 58 20.7–.86 20.52S 178.62W 558 5.0b ¶602058485
ISCJB XII 26 02 58 22.7–.40 20.72S–.03 178.63W–.02 586–5 5.0b
BJI XII 26 02 58 22.1 20.45S 178.02W 596 5.2b,5.1b
IDC XII 26 02 58 23.4–.39 20.68S 178.58W 583–4 5.4,4.5
NEIC XII 26 02 58 23.2–.42 20.69S 178.62W 582–5 5.0b,4.5
WEL XII 26 02 58 23.0 20.69S 178.62W 582 5.0b,4.5
GCMT XII 26 02 58 24.2–.50 20.67S–.04 178.70W–.05 603–3 5.3W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c72;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.04 $M_{\theta\theta}$0.75±.07; $M_{\phi\phi}$-0.02±.08; $M_{r\theta}$-0.21±.07; $M_{\theta\phi}$0.63±.07; $M_{\phi r}$-0.85±.08; Best double couple: NP1: ϕ_s30.00000°,δ69.00000°,λ-122.00000°. NP2:ϕ_s271.00000°,δ37.00000°,λ-35.00000°. Principal axes: T 1.3040,Plg18.0000°,Azm144.0000°; N 0.0070,Plg30.0000°,Azm43.0000° ; P -1.3120,Plg54.0000°,Azm261.0000° M_o1.30800×10^{17}
IDC XII 26 05 23 33.3–13 20.59S 177.69W 472–124 4.4,3.7 ¶602380623
IDC Error ellipse: s-maj=131.4km s-min=47.5km az=129.0.

IDC XII 26 20 07 60.0–65 21.22S 178.55W 0 3.8,3.6
¶602380658

IDC Error ellipse: s-maj=1181.0km s-min=167.2km az=84.0.
ISC XII 26 21 06 15.6–1.1 16.4S–.30 177.6W–.20 35 4.0b,4.0s 34 16-149
IDC XII 26 21 06 10.4–1.1 16.35S 177.54W 0 4.3,4.1 **¶602092430**
ISCJB XII 26 21 06 13.9–.69 16.4S–.20 177.6W–.10 33 4.1b,3.9s
NEIC XII 26 21 06 15.3–.41 16.44S 177.55W 35 4.1b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=56.6km s-min=17.8km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=34.0km s-min=10.1km az=149.7.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=6.4km az=149.0.
ISC XII 27 02 59 03.2–.80 21.2S–.10 179.0W–.10 619 4.0b 17 14-151
ISCJB XII 27 02 59 02.2–.62 21.22S–.10 179.1W–.10 619 4.0b **¶602380687**
IDC XII 27 02 59 07.3–2.1 21.33S 179.10W 673–28 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=11.3km az=32.7.
IDC Error ellipse: s-maj=26.2km s-min=12.2km az=163.0.
ISC XII 27 09 50 21.0–.35 21.61S–.06 178.90W–.07 602 4.6b 274 8-172
NEIC XII 27 09 50 18.3–.84 21.46S 178.92W 569–10 4.6b **¶602090256**
WEL XII 27 09 50 18.0 21.46S 178.92W 569 4.6b
ISCJB XII 27 09 50 19.8–.17 21.54S–.03 178.93W–.04 602 4.5b
IDC XII 27 09 50 19.2–1.7 21.36S 178.91W 573–20 4.8,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.1km az=174.0.
WEL manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=17.7.
IDC Error ellipse: s-maj=11.9km s-min=10.7km az=169.0.
ISC XII 27 12 25 02.6–.82 20.4S–.20 177.7W–.20 550 3.5b 16 15-150
ISCJB XII 27 12 25 01.5–.72 20.4S–.20 177.7W–.20 550 3.6b **¶602380716**
IDC XII 27 12 25 04.5–3.9 20.48S 177.70W 579–46 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=15.4km az=139.1.
IDC Error ellipse: s-maj=30.4km s-min=20.9km az=159.0.
IDC XII 27 17 34 19.8–7.6 18.54S 177.49W 419–83 4.0,3.5
¶602380723

IDC Error ellipse: s-maj=90.3km s-min=27.0km az=152.0.
ISC XII 27 19 06 53.3–.93 19.2S–.10 176.8W–.20 344 3.6b 23 20-152
IDC XII 27 19 06 52.1–2.3 19.29S 176.84W 333–22 4.1,3.6 **¶602380728**
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=12.8km az=118.0.
IDC XII 28 11 27 06.2–3.5 16.01S 176.63W 0 4.5s,4.5
¶602380772

IDC Error ellipse: s-maj=171.9km s-min=74.3km az=156.0.
IDC XII 28 20 31 20.2–7.4 19.31S 177.09W 0 3.6,3.4
¶602380796

IDC Error ellipse: s-maj=336.3km s-min=63.7km az=146.0.
IDC XII 29 00 40 06.3–2.8 19.52S 176.70W 0 4.2,4.0b
¶602380808

IDC Error ellipse: s-maj=179.3km s-min=27.6km az=150.0.
ISC XII 29 20 22 45.1–1.5 19.3S–.70 177.8W–.30 600 3.5b 13 15-149
ISCJB XII 29 20 22 43.9–1.5 19.5S–.80 177.7W–.40 600 3.5b **¶602380852**
IDC XII 29 20 22 45.2–4.7 19.37S 177.79W 599–52 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=109.6km s-min=17.2km az=157.0.
IDC Error ellipse: s-maj=80.7km s-min=27.1km az=156.0.
IDC XII 30 14 53 29.0–6.3 17.86S 176.41W 0 4.4,4.1
¶602380897

IDC Error ellipse: s-maj=317.4km s-min=53.4km az=147.0.
IDC XII 31 14 30 18.7–5.2 20.99S 178.09W 397–51 3.8,3.3
¶602380495

IDC Error ellipse: s-maj=32.5km s-min=22.1km az=91.0.
ISC XII 31 16 08 27.1–1.2 18.4S–.20 177.0W–.20 450 3.9b 16 20-148
ISCJB XII 31 16 08 26.1–1.3 18.4S–.20 177.0W–.20 450 3.8b **¶602380502**
IDC XII 31 16 08 29.0–5.1 18.42S 177.02W 472–53 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.7km s-min=19.2km az=18.1.
IDC Error ellipse: s-maj=29.4km s-min=22.8km az=86.0.

(182) Fiji Islands.

IDC VII 25 10 04 15.9–55 18.46S 179.71E 0 4.2,4.1
¶601666415

IDC Error ellipse: s-maj=990.3km s-min=140.2km az=79.0.
ISC VII 26 09 30 24.0–.74 17.6S–.10 179.6E–.20 602 3.5b 16 13-147
IDC VII 26 09 30 21.8–3.4 17.59S 179.62E 573–40 4.1,3.3 **¶601666472**
ISCJB VII 26 09 30 22.8–.60 17.6S–.10 179.6E–.10 602 3.6b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC VII 27 21 42 05.8–59 17.51S 178.90E 0 4.2,4.0
¶601666541

IDC Error ellipse: s-maj=1051.0km s-min=160.0km az=77.0.
ISC VIII 08 10 57 46.1–.22 16.14S–.04 178.23E–.03 26 5.5b,5.4s 1125 8-177
IDC VIII 08 10 57 41.6–.37 16.16S 178.13E 0 5.2,5.2 **¶601531885**
MOS VIII 08 10 57 44.8–1.1 16.09S 178.08E 28 5.6b,5.4s
NEIC VIII 08 10 57 44.3–.11 16.02S 178.06E 13 6.0,5.9W
WEL VIII 08 10 57 44.0 16.02S 178.06E 13 6.0,5.9W
ISCJB VIII 08 10 57 44.7–.10 16.04S–.02 178.08E–.02 26 5.4s,5.4b
NEIC VIII 08 10 57 44.0–.00 15.94S 178.14E 15 5.4s,5.4b
GCMT VIII 08 10 57 51.3–.10 16.05S 178.15E 14–0 5.9W,5.4b
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.9km az=100.0.
MOS Error ellipse: s-maj=7.8km s-min=7.0km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=138.0. Felt at Lami, Navua, Rakiraki, Savusavu and Suva. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$5.08 $M_{r\theta}$0.94 $M_{\theta\phi}$6.41 $M_{\phi r}$0.94 Best double couple: NP1:ϕ_s73.00000°,δ88.00000°,λ8.00000°. NP2:ϕ_s342.00000°,δ82.00000° ,λ178.00000°. Principal axes: T 8.6000,Plg7.0000°,Azm298.0000°; N -1.3900,Plg82.0000° ,Azm89.0000°; P -7.2100,Plg4.0000°,Azm207.0000° M_o8.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s302.00000°,δ71.00000° ,λ-159.00000°. NP2:ϕ_s205.00000°,δ70.00000°,λ-20.00000°. Principal axes: T Plg1.0000° ,Azm73.0000°; N Plg0.0000°,Azm0.0000°; P Plg28.0000°,Azm164.0000°
WEL manual. confirmed.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=147.4.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ78.00000° ,λ-142.00000°. NP2:ϕ_s252.00000°,δ53.00000°,λ-15.00000°. Principal axes: T 1.1300,Plg15.0000°,Azm117.0000°; N -0.2900,Plg50.0000°,Azm6.0000° ; P -0.8400,Plg34.0000°,Azm218.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c281; s147,c484; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29±.01 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$0.69±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.74±.01; $M_{\phi r}$-0.12±.01; Best double couple: NP1:ϕ_s342.00000°,δ85.00000° ,λ-170.00000°. NP2:ϕ_s252.00000°,δ80.00000°,λ-5.00000°. Principal axes: T 1.0740,Plg4.0000°,Azm117.0000°; N -0.2830,Plg79.0000°,Azm7.0000° ; P -0.7920,Plg10.0000°,Azm207.0000° M_o0.93300×10^{18}
ISC VIII 08 11 05 34.3–.75 16.0S–.10 178.1E–.20 26 4.4b 14 22-88
IDC VIII 08 11 05 30.1–.70 16.03S 178.02E 0 4.5,4.3 **¶601533174**
ISCJB VIII 08 11 05 32.7–.62 16.0S–.10 178.0E–.10 26 4.3b,4.3
GCMT VIII 08 11 05 34.0–.30 16.07S–.02 178.30E–.02 13–2 5.1W,4.3
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s4,c4; s73,c119;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.30 $M_{\theta\theta}$-4.34±.30; $M_{\phi\phi}$3.80±.24; $M_{r\theta}$1.00±.75; $M_{\theta\phi}$4.95±.30; $M_{\phi r}$-1.11±.70; Best double couple: NP1:ϕ_s341.00000°,δ87.00000° ,λ-168.00000°. NP2:ϕ_s250.00000°,δ78.00000°,λ-3.00000°. Principal axes: T 6.1990,Plg6.0000°,Azm115.0000°; N 0.7360,Plg78.0000°,Azm355.0000° ; P -6.9330,Plg10.0000°,Azm206.0000° M_o6.56600×10^{16}
ISC VIII 08 11 08 07.6–.84 16.2S–.30 178.1E–.20 26 4.3b 11 37-88
IDC VIII 08 11 08 03.5–.76 16.23S 178.18E 0 4.5,4.3 **¶601765651**
ISCJB VIII 08 11 08 06.2–.71 16.3S–.20 178.1E–.20 26 4.1b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 08 11 27 51.1–3.2 16.35S 178.14E 0 4.4s,4.4
¶601765652

IDC Error ellipse: s-maj=175.8km s-min=27.3km az=149.0.
ISC VIII 08 12 08 21.9–.40 16.14S–.08 178.01E–.08 26 4.9b,4.2s 242 10-175
IDC VIII 08 12 08 17.8–.58 16.33S 178.09E 0 4.7,4.4b **¶601532047**
NEIC VIII 08 12 08 19.4–.15 16.01S 177.93E 10 4.9b,4.4b
ISCJB VIII 08 12 08 20.4–.20 16.09S–.05 177.95E–.05 26 4.8b,4.2s
BJI VIII 08 12 08 20.9 16.00S 177.64E 13 5.3b,5.1s
GCMT VIII 08 12 08 21.4–.40 16.08S–.02 178.21E–.02 12 4.9W,5.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s71,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.63±.16 $M_{\theta\theta}$-2.51±.13; $M_{\phi\phi}$1.88±.12; $M_{r\theta}$0.12±.41; $M_{\theta\phi}$2.09±.12; $M_{\phi r}$-0.06±.41; Best double couple: NP1:ϕ_s337.00000°,δ89.00000°,λ-178.00000°. NP2:ϕ_s247.00000°,δ88.00000°,λ-1.00000°. Principal axes: T 2.7160,Plg0.0000° ,Azm112.0000°; N 0.6300,Plg88.0000°,Azm14.0000°; P -3.3500,Plg2.0000°,Azm202.0000° M_o3.03300×10^{16}
IDC VIII 08 12 24 44.1–1.1 16.31S 177.98E 0 4.0,3.9
¶601765655

IDC Error ellipse: s-maj=44.3km s-min=27.3km az=148.0.
ISC VIII 09 22 58 27.8–.95 15.7S–.30 179.1E–.20 35 4.0b,3.4s 7 14-145
IDC VIII 09 22 58 22.3–.91 15.74S 179.19E 0 4.2,3.9b **¶601765717**
ISCJB VIII 09 22 58 26.3–.83 15.7S–.30 179.1E–.20 33 4.0b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 10 01 36 25.9–.66 15.5S–.20 178.9E–.20 35 4.5b,3.9s 37 9-147
IDC VIII 10 01 36 20.6–.86 15.52S 178.95E 0 4.4,4.1 **¶601534316**
ISCJB VIII 10 01 36 24.3–.45 15.5S–.10 178.8E–.10 33 4.3b,3.8s
NEIC VIII 10 01 36 26.0–.49 15.53S 178.87E 35 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=21.5km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=12.2km az=143.7.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=11.2km az=151.0.
ISC IX 06 01 48 57.3–.47 15.71S–.10 179.0E–.10 35 4.8b,3.9s 145 9-145
IDC IX 06 01 48 51.3–.66 15.76S 179.16E 0 4.6,4.4 **¶601676721**
NEIC IX 06 01 48 53.1–.20 15.71S 179.10E 10 4.9b,4.4
ISCJB IX 06 01 48 55.3–.23 15.71S–.07 179.03E–.06 33 4.7b,4.0s
BJI IX 06 01 49 02.3 15.31S 178.19E 54 5.2s,5.0
ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=17.1km az=130.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=5.4km az=140.0. Felt at Lambasa and Savusavu.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.4km az=143.1.
IDC X 11 03 18 54.0–2.2 18.57S 179.85E 0 4.2,3.9
¶601997831

IDC Error ellipse: s-maj=132.1km s-min=24.0km az=147.0.
IDC XI 30 09 12 35.9–2.3 18.13S 179.80E 0 4.3,4.0
¶602390230

IDC Error ellipse: s-maj=130.4km s-min=27.7km az=153.0.
ISC XII 12 00 04 33.4–.83 16.6S–.20 179.4E–.10 35 4.1b,4.1s 10 9-146
IDC XII 12 00 04 29.8–1.9 16.10S 179.02E 0 4.3,4.1b **¶602052168**
ISCJB XII 12 00 04 31.8–.70 16.6S–.20 179.31E–.10 33 4.0b,4.0s
GCMT XII 12 00 04 36.0–.30 15.79S–.02 178.86E–.01 21–1 4.9W,4.0s
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s35,c37; s87,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88±.14 $M_{\theta\theta}$-0.81±.12; $M_{\phi\phi}$1.69±.11; $M_{r\theta}$0.14±.19; $M_{\theta\phi}$2.60±.09; $M_{\phi r}$0.27±.17; Best double couple: NP1:ϕ_s347.00000°,δ88.00000° ,λ177.00000°. NP2:ϕ_s77.00000°,δ87.00000°,λ2.00000°. Principal axes: T 3.3450,Plg4.0000° ,Azm302.0000°; N -0.8980,Plg86.0000°,Azm133.0000°; P -2.4490,Plg1.0000°,Azm32.0000° M_o2.89700×10^{16}
IDC XII 17 17 38 25.5–76 18.66S 178.90E 0 3.6,3.4
¶602391557

IDC Error ellipse: s-maj=1352.0km s-min=163.4km az=79.0.

SEISMIC REGION 14.
Vanuatu (New Hebrides).

(183) Santa Cruz Islands region.

ISC VII 22 06 32 50.7–.47 10.77S–.06 164.76E–.08 35 4.6b,3.6s 87 5-150
IDC VII 22 06 32 45.5–.62 10.69S 164.63E 0 4.8L,4.6 **¶601456923**
BJI VII 22 06 32 47.8 10.11S 165.34E 22 5.1b,4.8b
ISCJB VII 22 06 32 48.9–.30 10.71S–.05 164.66E–.06 35 4.6b,3.6s
NEIC VII 22 06 32 50.6–1.3 10.67S 164.71E 36–12 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=14.1km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=7.2km az=3.9.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.1km az=83.0.
ISC VIII 05 08 38 49.6–.79 11.6S–.10 164.9E–.10 34 4.2b,3.3s 21 5-95
IDC VIII 05 08 38 44.5–1.0 11.49S 164.95E 0 4.2,4.1 **¶601534037**
ISCJB VIII 05 08 38 47.7–.67 11.59S–.09 164.90E–.08 34 4.0b,3.3s
NEIC VIII 05 08 38 49.6–.73 11.52S 164.98E 35 4.7b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=20.2km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=10.2km az=35.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.9km az=107.0.
IDC VIII 18 22 55 27.7–5.2 11.74S 170.86E 0 4.2,3.9
¶601766119

IDC Error ellipse: s-maj=253.6km s-min=32.6km az=139.0.
IDC VIII 22 13 19 59.1–5.9 11.44S 170.66E 0 3.8,3.5
¶601766303

IDC Error ellipse: s-maj=291.8km s-min=35.0km az=139.0.
IDC VIII 24 18 49 48.8–2.8 11.68S 170.85E 0 4.1,4.0b
¶601766411

IDC Error ellipse: s-maj=89.8km s-min=35.4km az=128.0.
ISC VIII 25 16 58 19.1–1.1 10.91S–.10 164.8E–.10 29 3.8b 12 5-93
ISCJB VIII 25 16 58 16.8–.94 11.02S–.08 164.8E–.10 29 3.8b **¶601766455**
IDC VIII 25 16 58 22.6–3.4 11.01S 164.66E 61–28 4.2L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=9.2km az=150.8.
IDC Error ellipse: s-maj=26.8km s-min=18.8km az=59.0.
ISC VIII 25 17 10 22.0–.65 10.80S–.09 164.59E–.07 29 3.9b,3.4s 27 5-133
IDC VIII 25 17 10 18.7–1.1 10.73S 164.50E 0 4.0,3.9 **¶601766456**
ISCJB VIII 25 17 10 20.4–.51 10.86S–.08 164.61E–.06 29 4.1b,3.5s
NEIC VIII 25 17 10 22.9–.53 10.82S 164.60E 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=21.3km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=8.7km az=161.4.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.8km az=148.0.
ISC VIII 25 20 27 06.0–.88 11.1S–.10 164.5E–.10 29 4.1b 24 5-93
ISCJB VIII 25 20 27 03.6–.78 11.13S–.09 164.53E–.09 29 4.2b,3.0s **¶601766464**
NEIC VIII 25 20 27 05.6–.98 11.03S 164.66E 35 4.5b,3.0s
IDC VIII 25 20 27 10.3–3.5 11.19S 164.31E 60–28 4.3L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=9.7km az=44.4.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=13.3km az=71.0.
IDC Error ellipse: s-maj=27.6km s-min=19.7km az=65.0.
ISC VIII 26 16 40 39.4–1.2 11.2S–.10 164.1E–.10 29 3.9b 13 4-84
IDC VIII 26 16 40 34.3–2.1 11.31S 164.20E 0 4.5L,4.1 **¶601690301**
ISCJB VIII 26 16 40 37.2–1.0 11.2S–.10 164.2E–.10 29 4.1b,4.1
NEIC VIII 26 16 40 41.5–1.7 11.20S 164.15E 51–16 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=63.0km s-min=29.9km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=10.8km az=39.8.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.4km az=55.0.
IDC IX 02 13 47 04.8–8.6 11.42S 164.90E 0 3.7,3.6
¶601862788

IDC Error ellipse: s-maj=260.4km s-min=52.8km az=124.0.
ISC IX 10 12 08 05.8–.46 10.75S–.06 164.26E–.07 29 4.3b,3.6s 66 4-149
ISCJB IX 10 12 08 03.6–.38 10.72S–.06 164.27E–.07 29 4.2b,3.6s **¶601699596**
NEIC IX 10 12 08 09.5–.27 10.77S 164.30E 65 4.7b,3.6s
IDC IX 10 12 08 10.4–3.0 10.77S 164.22E 70–26 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=10.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.1km az=105.0.
IDC Error ellipse: s-maj=21.2km s-min=11.7km az=86.0.
IDC IX 26 21 13 07.2–5.8 12.38S 168.02E 0 4.0,3.7
¶601864231

IDC Error ellipse: s-maj=294.4km s-min=32.0km az=140.0.
IDC IX 27 08 58 27.7–2.4 10.51S 164.75E 0 3.8,3.6b
¶601864267

IDC Error ellipse: s-maj=55.7km s-min=48.4km az=52.0.
ISC XI 11 05 05 57.2–.45 10.81S–.06 164.99E–.06 31 4.4b 61 5-95
IDC XI 11 05 05 52.6–.57 10.83S 164.96E 0 4.9L,4.5 **¶602054307**
ISCJB XI 11 05 05 55.3–.28 10.86S–.04 164.94E–.04 31 4.4b,3.9s
NEIC XI 11 05 05 56.2–1.8 10.82S 164.95E 25–13 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=14.2km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.8km az=38.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=138.0.
ISC XI 11 06 13 43.5–.61 11.03S–.08 164.86E–.07 31 4.2b 35 5-93
ISCJB XI 11 06 13 41.5–.47 11.10S–.07 164.81E–.06 31 4.4b **¶602054304**
NEIC XI 11 06 13 43.9–.41 11.01S 164.82E 35 4.4b
IDC XI 11 06 13 46.8–3.4 11.06S 164.80E 62–28 4.3L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.8km az=11.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.8km az=157.0.
IDC Error ellipse: s-maj=22.5km s-min=20.9km az=75.0.
ISC XI 11 07 24 41.6–1.3 10.9S–.10 164.7E–.20 29 3.9b 8 5-93
IDC XI 11 07 24 37.4–1.6 10.76S 164.63E 0 4.2,4.0 **¶602389205**
ISCJB XI 11 07 24 39.8–1.1 11.0S–.10 164.7E–.20 29 3.9b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 10 13 05.6–.85 11.00S–.08 164.91E–.09 31 3.9b,3.5s 28 5-93
IDC XI 11 10 13 00.4–1.1 10.92S 164.84E 0 4.2L,4.1 **¶601991701**
ISCJB XI 11 10 13 03.7–.68 11.11S–.06 164.83E–.08 31 3.9b,3.7s
NEIC XI 11 10 13 07.3–2.1 10.95S 164.83E 45–19 4.1b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=20.6km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.7km az=146.7.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=16.6km az=65.0.
ISC XI 11 14 56 11.3–.29 10.83S–.04 164.92E–.05 31 5.0b,4.9s 299 5-163
IDC XI 11 14 56 06.9–.44 10.75S 164.86E 0 4.9,4.9L **¶601883945**
MOS XI 11 14 56 10.4–1.2 10.79S 164.77E 33 5.2b,4.7s
NEIC XI 11 14 56 10.6–2.2 10.76S 164.83E 26–15 5.2b,5.0s
ISCJB XI 11 14 56 10.1–.15 10.80S–.03 164.83E–.03 31 5.0s,4.9b
GCMT XI 11 14 56 11.6–.20 10.84S–.01 164.70E–.01 12 5.2W,4.9b
BJI XI 11 14 56 12.9 10.66S 164.28E 28 5.4b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=12.6km az=96.0.
MOS Error ellipse: s-maj=9.0km s-min=8.5km az=121.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.1km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=156.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c89; s97,c152;Duration: 1$\hat{=}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.61±.13 $M_{\theta\theta}$-3.50±.11; $M_{\phi\phi}$0.89±.11; $M_{r\theta}$3.88±.30; $M_{\theta\phi}$4.23±.10; $M_{\phi r}$-6.58±.34; Best double couple: NP1:ϕ_s151.00000°,δ79.00000°,λ116.00000°. NP2:ϕ_s262.00000°,δ28.00000°,λ23.00000°. Principal axes: T 8.3900,Plg49.0000° ,Azm89.0000°; N 1.5880,Plg25.0000°,Azm326.0000°; P -9.9720,Plg30.0000°,Azm220.0000° $M_0$9.18100×10^{16}
ISC XI 11 15 41 40.0–.48 10.84S–.06 164.89E–.06 31 4.6b,4.0s 68 5-96
ISCJB XI 11 15 41 38.3–.29 10.81S–.06 164.80E–.05 31 4.5b,4.0s **¶601906732**
NEIC XI 11 15 41 40.5–1.0 10.77S 164.85E 36–9 4.7b,4.0s
IDC XI 11 15 41 40.9–5.0 10.83S 164.79E 39–42 4.6L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=161.7.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=135.0.
IDC Error ellipse: s-maj=21.4km s-min=17.3km az=94.0.
IDC XI 13 04 18 08.3–1.4 10.64S 164.71E 0 4.1,3.9b
¶602389319

IDC Error ellipse: s-maj=42.5km s-min=27.2km az=139.0.
ISC XI 16 12 00 21.8–1.4 10.6S–.10 164.5E–.10 31 3.4b 10 5-83
IDC XI 16 12 00 27.6–3.1 10.82S 164.82E 93–26 3.9,3.7 **¶602389508**
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=19.3km az=48.0.
ISC XI 28 05 38 43.2–.85 10.8S–.10 164.66E–.10 29 4.2b,4.1s 33 5-98
IDC XI 28 05 38 38.2–1.5 10.89S 164.69E 0 4.9L,4.2 **¶602320128**
ISCJB XI 28 05 38 41.6–.52 11.00S–.08 164.57E–.07 29 4.2b,4.2s
NEIC XI 28 05 38 46.5–1.3 10.88S 164.40E 53–12 4.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=23.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=10.0km az=157.4.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.8km az=115.0.
ISC XII 01 10 36 27.4–.38 12.97S–.06 169.23E–.06 650 4.5b 126 9-151
ISCJB XII 01 10 36 25.8–.19 13.00S–.04 169.23E–.05 650 4.5b **¶601995614**
BJI XII 01 10 36 25.2 13.18S 169.36E 656 4.5b,4.2b
NEIC XII 01 10 36 26.5–.45 12.94S 169.22E 640–6 4.6b,4.2b
IDC XII 01 10 36 26.6–1.3 12.95S 169.27E 637–16 4.6,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=22.1.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=113.0.
IDC Error ellipse: s-maj=12.9km s-min=10.5km az=60.0.
IDC XII 02 00 15 42.9–63 12.93S 169.37E 0 3.8,3.7
¶602390306

IDC Error ellipse: s-maj=1069.0km s-min=135.0km az=65.0.
ISC XII 03 19 53 19.6–.43 10.86S–.07 164.85E–.07 31 4.7b,3.9s 86 5-150
ISCJB XII 03 19 53 17.8–.32 10.93S–.06 164.78E–.05 31 4.6b,3.8s **¶601996005**
BJI XII 03 19 53 17.3 10.29S 164.75E 13 5.1b,5.1s
NEIC XII 03 19 53 21.0–1.0 10.86S 164.80E 44–9 4.8b,5.1s
IDC XII 03 19 53 20.8–2.9 10.95S 164.82E 44–25 4.7L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.8km az=157.6.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=136.0.
IDC Error ellipse: s-maj=18.6km s-min=17.1km az=95.0.
IDC XII 04 11 58 46.3–3.3 12.60S 168.62E 644–46 4.0,3.3
¶602390446

IDC Error ellipse: s-maj=83.8km s-min=17.4km az=148.0.
ISC XII 10 08 00 11.2–1.1 11.0S–.20 164.8E–.10 31 3.9b 11 5-93
IDC XII 10 08 00 06.7–1.2 10.93S 164.77E 0 4.6L,4.1 **¶602390971**
ISCJB XII 10 08 00 09.5–.93 11.1S–.10 164.77E–.10 31 3.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XII 21 03 49 20.3–.84 12.9S–.10 168.7E–.10 612 4.1b 22 9-119
IDC XII 21 03 49 18.9–2.0 12.86S 168.79E 597–23 4.5,3.7 **¶602391774**
ISCJB XII 21 03 49 19.2–.77 12.8S–.10 168.7E–.10 612 4.1b,3.7
ISC Event type ke.
ISCJB Event type ke.

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ISC VII 03 02 10 19.3–1.2 12.1S–.10 166.2E–.30 30 3.9b 8 10-95
IDC VII 03 02 10 14.7–1.3 12.03S 166.16E 0 4.1,4.1b **¶601663415**
ISCJB VII 03 02 10 17.9–1.0 12.22S–.10 166.1E–.20 30 4.0b,3.9s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 04 03 01 20.1–.97 12.82S–.07 166.9E–.10 195–8 4.4b 120 8-152
IDC VII 04 03 01 19.5–1.2 12.82S 167.01E 192–9 4.4,4.1 **¶601556015**
ISCJB VII 04 03 01 21.2–2.1 12.83S–.07 166.86E–.06 219–20 4.3b,4.1
NEIC VII 04 03 01 23.1–1.3 12.84S 166.91E 226–12 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=11.4km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=172.4.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.5km az=152.0.
IDC VII 04 16 18 40.3–5.0 11.72S 166.66E 270–45 3.8,3.4
¶601663480

IDC Error ellipse: s-maj=32.8km s-min=25.4km az=8.0.
ISC VII 07 09 07 21.5–.58 12.75S–.08 166.9E–.20 220 3.8b 26 9-152
ISCJB VII 07 09 07 20.3–.49 12.68S–.06 166.8E–.10 220 3.8b **¶601556026**
IDC VII 07 09 07 21.0–2.4 12.75S 166.93E 215–22 4.3s,4.3
NEIC VII 07 09 07 22.6–1.8 12.76S 166.89E 232–18 4.1b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=8.3km az=7.2.
IDC Error ellipse: s-maj=18.6km s-min=13.0km az=105.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=151.0.
IDC VII 09 02 19 10.5–7.9 11.07S 166.19E 200–79 3.9,3.7
¶601664320

IDC Error ellipse: s-maj=57.8km s-min=22.1km az=167.0.
IDC VII 10 01 12 22.6–4.4 11.51S 166.52E 0 3.9,3.6
¶601664362

IDC Error ellipse: s-maj=223.5km s-min=31.1km az=139.0.
ISC VII 12 04 11 13.2–.35 10.77S–.04 166.11E–.04 108–2 5.3b 944 6-170
ISCJB VII 12 04 11 12.4–1.0 10.77S–.02 165.97E–.02 107–9 5.3b **¶601505977**
IDC VII 12 04 11 13.2–.49 10.74S 166.13E 105–4 5.4,5.1
GCMT VII 12 04 11 16.0–.10 10.70S 165.79E 102–1 5.3W,5.1
WEL VII 12 04 11 16.0 10.75S 165.98E 128 5.3W,5.1
MOS VII 12 04 11 16.9–1.1 10.67S 165.91E 144 5.3b,5.1
NEIC VII 12 04 11 16.0–.73 10.75S 165.98E 128–6 5.2b,5.1
BJI VII 12 04 11 19.9 10.19S 165.98E 159 5.3b,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=27.6.
IDC Error ellipse: s-maj=8.6km s-min=7.6km az=68.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s93,c130; s112,c191; Duration: 1$\hat{=}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.97±.02 $M_{\theta\theta}$-0.52±.03; $M_{\phi\phi}$-0.44±.02; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$-0.78±.02; $M_{\phi r}$0.29±.02; Best double couple: NP1:ϕ_s44.00000°,δ55.00000° ,λ87.00000°. NP2:ϕ_s229.00000°,δ35.00000°,λ94.00000°. Principal axes: T 1.0350,Plg80.0000°,Azm303.0000°; N 0.2960,Plg2.0000°,Azm46.0000° ; P -1.3310,Plg10.0000°,Azm136.0000° $M_0$1.18300×10^{17}
WEL manual. confirmed.
MOS Error ellipse: s-maj=7.2km s-min=6.8km az=83.9.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.7km az=157.0.
IDC VII 15 11 05 40.7–43 12.53S 167.99E 0 4.2,4.0
¶601664618

IDC Error ellipse: s-maj=732.6km s-min=110.3km az=64.0.
ISC VII 15 11 40 56.2–.72 11.83S–.08 166.7E–.20 300 3.7b 18 10-151
ISCJB VII 15 11 40 55.1–.65 11.76S–.07 166.6E–.20 300 3.6b **¶601664620**
IDC VII 15 11 40 55.5–3.7 11.69S 166.67E 291–37 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=9.0km az=178.5.
IDC Error ellipse: s-maj=21.8km s-min=17.9km az=108.0.
ISC VII 23 00 46 41.1–1.1 12.4S–.10 166.8E–.20 220 3.9b 9 10-152
ISCJB VII 23 00 46 39.9–1.3 12.3S–.10 166.8E–.20 220 3.8b **¶601666281**
IDC VII 23 00 46 44.8–8.0 12.62S 166.86E 259–87 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.9km s-min=20.3km az=10.0.
IDC Error ellipse: s-maj=83.6km s-min=25.0km az=161.0.
ISC VII 24 19 41 42.4–.42 12.04S–.07 166.39E–.08 150 4.8b 78 7-151
IDC VII 24 19 41 37.8–4.7 12.08S 166.68E 117–38 4.3,4.0 **¶601643203**
ISCJB VII 24 19 41 40.3–.34 12.07S–.05 166.46E–.07 150 4.8b,4.0
NEIC VII 24 19 41 42.5–.28 12.04S 166.42E 153 5.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=14.1km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=163.1.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.4km az=73.0.
IDC VII 25 10 57 28.5–5.4 12.17S 167.83E 0 3.8,3.5
¶601666418

IDC Error ellipse: s-maj=270.1km s-min=33.7km az=140.0.
ISC VII 30 17 46 54.3–4.6 11.7S–.40 167.4E–.80 35 3.8b 6 31-95
IDC VII 30 17 46 48.9–4.8 11.67S 167.40E 0 4.1,3.9 **¶601650781**
ISC Event type ke.
IDC Error ellipse: s-maj=120.9km s-min=40.7km az=113.0.
IDC VIII 01 00 41 15.9–11 11.73S 166.79E 0 4.1,4.0b
¶601765295

IDC Error ellipse: s-maj=370.2km s-min=53.2km az=126.0.
ISC VIII 03 11 58 58.9–.56 11.48S–.04 165.06E–.04 12–3 5.3b,4.6s 640 5-169
BJI VIII 03 11 58 54.8 11.18S 165.56E 5 5.5b,5.2b **¶604029647**
MOS VIII 03 11 58 56.9–.89 11.41S 164.98E 10 5.4b,4.8s
ISCJB VIII 03 11 58 56.8–.10 11.48S–.02 165.02E–.02 10 5.1b,4.7s
NEIC VIII 03 11 58 58.2–.11 11.48S 165.04E 10 5.4b,4.7s
GCMT VIII 03 11 59 00.2–.10 11.47S–.01 164.99E–.01 12 5.3W,4.7s
IDC VIII 03 11 59 02.5–2.0 11.48S 165.07E 42–17 5.1,4.9b
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=7.4km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=146.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=140.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c130; s106,c196;Duration: 1$\hat{=}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$1.22±.01; $M_{r\theta}$-0.26±.05; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.45±.04; Best double couple: NP1:ϕ_s157.00000°,δ57.00000°,λ-101.00000°. NP2:ϕ_s356.00000°,δ34.00000°,λ-74.00000°. Principal axes: T 1.4240,Plg12.0000° ,Azm255.0000°; N -0.2730,Plg9.0000°,Azm163.0000°; P -1.1460,Plg75.0000°,Azm36.0000° $M_0$1.28500×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=9.1km az=108.0.
ISC VIII 03 23 13 33.0–.48 11.46S–.06 166.23E–.07 50 4.5b,3.5s 60 7-97
ISCJB VIII 03 23 13 31.7–.37 11.39S–.06 166.16E–.06 50 4.6b,3.5s **¶601518056**
IDC VIII 03 23 13 34.2–3.2 11.35S 166.24E 67–27 4.3,4.2
BJI VIII 03 23 13 37.6 11.40S 166.10E 99 5.0b,4.7b
NEIC VIII 03 23 13 37.9–1.1 11.35S 166.09E 94–10 4.7b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=3.5.
IDC Error ellipse: s-maj=20.1km s-min=16.1km az=92.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.3km az=154.0.
IDC VIII 08 00 02 03.6–4.8 12.80S 165.58E 0 4.2,4.0b
¶601765631

IDC Error ellipse: s-maj=215.2km s-min=36.9km az=138.0.
ISC VIII 09 03 20 43.8–.57 10.70S–.06 165.94E–.09 155 4.3b 66 6-150
ISCJB VIII 09 03 20 42.5–.26 10.70S–.04 165.94E–.05 155 4.3b **¶601532923**
NEIC VIII 09 03 20 43.9–1.2 10.62S 165.90E 156–11 4.4b
IDC VIII 09 03 20 44.2–2.6 10.63S 165.93E 160–23 4.5,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=16.2.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.6km az=90.0.
IDC Error ellipse: s-maj=17.6km s-min=13.4km az=63.0.
ISC VIII 11 22 50 06.3–1.0 12.82S–.10 167.0E–.30 180 3.6b 9 9-129
ISCJB VIII 11 22 50 05.5–1.2 12.80S–.09 166.8E–.30 180 3.6b **¶601765765**
IDC VIII 11 22 50 12.1–4.8 13.12S 166.99E 236–43 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.7km s-min=12.3km az=178.6.
IDC Error ellipse: s-maj=33.7km s-min=31.7km az=84.0.
IDC VIII 15 01 08 57.8–16 12.80S 167.34E 185–124 4.1,3.7
¶601765863

IDC Error ellipse: s-maj=185.7km s-min=24.3km az=133.0.
IDC VIII 21 08 20 03.2–5.6 11.80S 166.13E 85–50 4.0,3.9
¶601766242

IDC Error ellipse: s-maj=35.2km s-min=32.6km az=18.0.
IDC VIII 22 01 45 34.8–10 12.45S 166.61E 135–87 4.0,3.7
¶601766283

IDC Error ellipse: s-maj=121.9km s-min=63.5km az=63.0.
ISC VIII 24 10 21 46.5–.58 12.53S–.09 167.0E–.10 220 4.1b 25 10-166
ISCJB VIII 24 10 21 45.2–.53 12.54S–.08 167.0E–.10 220 4.0b **¶601766396**

IDC VIII 24 10 21 49.2–3.3 12.60S 166.95E 245–31 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=11.4km az=177.6.
IDC Error ellipse: s-maj=16.7km s-min=12.4km az=64.0.
ISC VIII 25 03 29 26.0–.41 12.43S–.07 166.91E–.09 220 4.3b 94 10-166
ISCJB VIII 25 03 29 25.0–.27 12.36S–.05 166.79E–.06 220 4.2b **¶601626184**
IDC VIII 25 03 29 26.8–1.8 12.46S 166.91E 227–16 4.4,4.0
BJI VIII 25 03 29 27.7 12.40S 166.80E 250 5.0b,4.6b
NEIC VIII 25 03 29 28.1–1.1 12.47S 166.85E 241–11 4.4b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.1km az=27.3.
IDC Error ellipse: s-maj=11.7km s-min=9.2km az=117.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.5km az=159.0.
ISC VIII 27 13 08 45.0–1.2 10.9S–.10 166.0E–.10 61 4.0b 13 6-98
ISCJB VIII 27 13 08 43.3–.95 11.0S–.10 165.91E–.10 61 4.0b **¶601702431**
NEIC VIII 27 13 08 46.3–1.3 10.94S 165.88E 74–11 4.0b
IDC VIII 27 13 08 46.4–3.6 10.93S 165.88E 75–30 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=11.7km az=29.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=12.1km az=61.0.
IDC Error ellipse: s-maj=28.5km s-min=24.9km az=34.0.
IDC IX 01 16 16 07.3–2.1 10.87S 167.28E 0 4.1,3.9b
¶601862729
IDC Error ellipse: s-maj=57.8km s-min=33.5km az=130.0.
ISC IX 03 13 25 05.1–.41 10.68S–.05 165.60E–.06 31 4.7b,4.0s 97 6-150
ISCJB IX 03 13 25 03.4–.25 10.66S–.04 165.51E–.05 31 4.7b,3.9s **¶601672867**
BJI IX 03 13 25 06.6 10.60S 165.50E 55 5.0b,4.7b
NEIC IX 03 13 25 07.6–.81 10.65S 165.51E 55–7 4.8b,4.7b
IDC IX 03 13 25 09.3–2.9 10.69S 165.52E 67–25 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.0km az=13.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=106.0.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=75.0.
ISC IX 05 05 32 11.8–.48 12.44S–.06 166.46E–.07 59 4.6b,3.7s 87 7-165
IDC IX 05 05 32 03.0–.76 12.50S 166.70E 0 4.5,4.5b **¶601675148**
NEIC IX 05 05 32 09.2–.33 12.40S 166.52E 36 4.4b,4.5b
ISCJB IX 05 05 32 10.2–.38 12.49S–.05 166.51E–.07 59 4.6b,3.9s
BJI IX 05 05 32 10.4 11.99S 166.67E 45 5.1s,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.2km az=174.5.
ISC IX 05 13 09 10.4–.41 12.54S–.04 166.50E–.03 27–2 5.8s,5.7b 1158 7-170
BJI IX 05 13 09 05.7 12.56S 166.51E 10 6.0b,6.0s **¶604029774**
NEIC IX 05 13 09 09.0–.00 12.40S 166.10E 21 6.0b,6.0s
MOS IX 05 13 09 09.0–1.2 12.48S 166.48E 26 5.8s,5.7b
IDC IX 05 13 09 09.5–1.5 12.52S 166.50E 19–8 5.6,5.6s
ISCJB IX 05 13 09 09.9–1.1 12.49S–.02 166.50E–.02 33–7 5.8s,5.7b
NEIC IX 05 13 09 10.1–.10 12.48S 166.51E 27 6.0W,6.0W
GCMT IX 05 13 09 16.1–.10 12.58S–.01 166.14E 34–0 6.0W,6.0W
NEIC IX 05 13 09 29.9–.00 12.74S 166.43E 40 6.0W,6.0W
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.45 Best double couple: NP1:ϕ_s357.00000° ,δ54.00000°,λ-51.00000°. NP2:ϕ_s123.00000°,δ51.00000°,λ-130.00000°. Principal axes: T 1.1300,Plg1.0000°,Azm60.0000°; N 0.3600,Plg30.0000°,Azm151.0000° ; P -1.5000,Plg59.0000°,Azm327.0000° $M_0$1.40000×10^{18}
MOS Error ellipse: s-maj=6.2km s-min=5.8km az=40.4.
IDC Error ellipse: s-maj=10.8km s-min=8.4km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=0.5.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=159.0. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.07 $M_{\theta\theta}$0.37 $M_{\phi\phi}$6.70 $M_{r\theta}$-3.58 $M_{\theta\phi}$-5.50 $M_{\phi r}$-1.75 Best double couple: NP1:ϕ_s357.00000°,δ52.00000°,λ-49.00000°. NP2: ϕ_s123.00000°,δ54.00000°,λ-130.00000°. Principal axes: T 9.8900,Plg1.0000°,Azm240.0000° ; N -0.4400,Plg31.0000°,Azm149.0000°; P -9.4500,Plg59.0000°,Azm331.0000° $M_0$9.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c305; s143,c428; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.17±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$-0.65±.01; $M_{\theta\phi}$-0.59±.01; $M_{\phi r}$-0.22±.01; Best double couple: NP1:ϕ_s122.00000° ,δ56.00000°,λ-126.00000°. NP2:ϕ_s354.00000°,δ48.00000°,λ-49.00000°. Principal axes: T 1.1720,Plg5.0000°,Azm237.0000°; N 0.1910,Plg29.0000°,Azm144.0000° ; P -1.3630,Plg60.0000°,Azm335.0000° $M_0$1.26700×10^{18}
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.17 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.98 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.64 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s130.00000° ,δ44.00000°,λ-124.00000°. NP2:ϕ_s353.00000°,δ55.00000°,λ-62.00000°. Principal axes: T 1.3600,Plg6.0000°,Azm63.0000°; N 0.0500,Plg23.0000°,Azm155.0000° ; P -1.4100,Plg66.0000°,Azm320.0000° $M_0$1.40000×10^{18}
IDC IX 07 15 49 36.3–4.5 10.63S 165.85E 153–30 4.1,3.6
¶601863121
IDC Error ellipse: s-maj=52.0km s-min=32.1km az=60.0.
IDC IX 09 01 16 11.3–1.8 10.41S 165.97E 0 3.9,3.7
¶601863201
IDC Error ellipse: s-maj=56.2km s-min=31.8km az=128.0.
ISC IX 09 16 44 48.8–.45 12.26S–.06 166.89E–.09 220 4.2b 80 7-166
ISCJB IX 09 16 44 47.3–.28 12.22S–.05 166.87E–.06 220 4.2b **¶601734473**
NEIC IX 09 16 44 48.4–.20 12.18S 166.89E 218 4.3b
IDC IX 09 16 44 48.9–.86 12.22S 166.84E 217–7 4.4,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.4km az=22.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=137.0.
IDC Error ellipse: s-maj=12.9km s-min=10.9km az=121.0.
IDC IX 10 14 17 13.7–4.8 11.62S 166.59E 0 3.8,3.7b
¶601863303
IDC Error ellipse: s-maj=209.7km s-min=39.6km az=137.0.
ISC IX 16 01 38 02.5–.37 10.84S–.06 165.98E–.06 61 4.7b 202 6-164
ISCJB IX 16 01 38 01.7–.21 10.82S–.05 165.81E–.04 61 4.8b **¶604029824**
BJI IX 16 01 38 05.5 10.82S 166.10E 102 5.1b,4.8b
IDC IX 16 01 38 05.4–2.8 10.85S 165.91E 85–23 4.7,4.5
MOS IX 16 01 38 06.0–.80 10.75S 165.70E 99 4.8b,4.5
NEIC IX 16 01 38 06.8–.91 10.82S 165.79E 96–8 4.6b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=151.8.
IDC Error ellipse: s-maj=16.5km s-min=14.6km az=107.0.
MOS Error ellipse: s-maj=12.2km s-min=9.1km az=151.4.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=149.0.
IDC IX 17 01 53 51.1–5.0 12.87S 166.70E 572–70 3.7,2.9
¶601863688
IDC Error ellipse: s-maj=85.5km s-min=36.9km az=165.0.
ISC IX 24 01 47 11.2–.77 10.7S–.10 165.24E–.09 46 4.0b,3.8s 20 5-94
ISCJB IX 24 01 47 09.4–.58 10.78S–.08 165.18E–.07 46 4.0b,3.7s **¶601795279**
NEIC IX 24 01 47 11.1–1.8 10.71S 165.22E 46–16 4.5b,3.7s
IDC IX 24 01 47 11.2–3.3 10.68S 165.20E 44–30 4.8L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=9.7km az=22.2.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.3km az=87.0.
IDC Error ellipse: s-maj=23.1km s-min=17.8km az=83.0.
IDC IX 27 08 01 41.6–13 12.53S 167.03E 200–123 3.8,3.5
¶601864265
IDC Error ellipse: s-maj=102.8km s-min=40.7km az=132.0.
ISC IX 28 06 18 32.0–1.1 10.5S–.10 165.3E–.10 31 3.9b 9 5-93
ISCJB IX 28 06 18 29.6–1.0 10.67S–.09 165.27E–.10 31 3.8b,3.5s **¶601864335**
IDC IX 28 06 18 38.9–3.6 10.81S 164.94E 96–30 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=9.8km az=142.9.
IDC Error ellipse: s-maj=36.8km s-min=19.0km az=49.0.
IDC IX 28 21 22 55.1–12 12.51S 166.98E 398–173 3.8,3.2
¶601864368
IDC Error ellipse: s-maj=157.8km s-min=31.3km az=156.0.
IDC X 04 00 51 23.0–24 12.79S 167.06E 265–252 3.8,3.4
¶601996991
IDC Error ellipse: s-maj=202.2km s-min=70.4km az=149.0.
ISC X 09 03 22 00.1–1.5 10.9S–.20 165.8E–.20 61 4.0b 8 6-93
IDC X 09 03 21 51.5–1.8 10.88S 165.97E 0 5.1L,4.2 **¶601997599**
ISCJB X 09 03 21 58.6–1.4 10.9S–.20 165.8E–.20 61 3.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC X 12 14 45 42.8–10 12.19S 166.83E 344–127 3.9,3.4
¶601998014
IDC Error ellipse: s-maj=102.7km s-min=27.5km az=157.0.
IDC X 14 19 07 19.3–5.4 12.06S 167.36E 0 3.7,3.4
¶601998249
IDC Error ellipse: s-maj=273.2km s-min=34.0km az=140.0.
ISC X 15 18 35 13.1–1.2 12.2S–.10 166.8E–.20 220 3.7b 10 10-118
ISCJB X 15 18 35 11.6–1.2 12.09S–.09 166.7E–.20 220 3.6b **¶601998364**
IDC X 15 18 35 16.2–5.0 12.39S 166.78E 248–48 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.4km s-min=12.2km az=171.2.
IDC Error ellipse: s-maj=31.7km s-min=24.3km az=8.0.
ISC X 26 02 57 13.4–1.1 11.2S–.20 165.5E–.20 30 3.7b,3.4s 6 6-86
IDC X 26 02 57 09.0–1.2 11.09S 165.44E 0 4.2L,4.1 **¶601999686**
ISCJB X 26 02 57 11.7–1.0 11.3S–.10 165.5E–.20 30 3.7b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC X 26 21 38 19.8–.87 11.66S–.05 165.51E–.07 42–7 5.1b,3.9s 235 6-169
IDC X 26 21 38 13.8–.53 11.57S 165.57E 0 5.0L,4.7 **¶601851727**
BJI X 26 21 38 17.1 11.49S 165.89E 38 5.3b,5.0s
GCMT X 26 21 38 17.7–.20 11.70S–.01 165.44E–.01 12 5.0W,5.0s
ISCJB X 26 21 38 17.9–.18 11.62S–.03 165.43E–.04 38 5.0b,4.0s
MOS X 26 21 38 18.0–.92 11.53S 165.35E 36 5.1b,4.0s
NEIC X 26 21 38 18.7–1.9 11.58S 165.48E 31–13 5.1b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=13.4km az=89.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c89; s104,c159;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.23±.07 $M_{\theta\theta}$1.11±.08; $M_{\phi\phi}$3.12±.08; $M_{r\theta}$-1.87±.24; $M_{\theta\phi}$-1.48±.07; $M_{\phi r}$0.15±.24; Best double couple: NP1:ϕ_s135.00000°,δ55.00000°,λ-110.00000°. NP2:ϕ_s347.00000°,δ40.00000°,λ-64.00000°. Principal axes: T 4.0390,Plg8.0000° ,Azm239.0000°; N 0.7930,Plg16.0000°,Azm147.0000°; P -4.8310,Plg72.0000° ,Azm353.0000° $M_0$4.43500×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.5km az=178.4.
MOS Error ellipse: s-maj=9.9km s-min=9.1km az=105.7.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=65.0.
ISC X 30 09 47 46.4–3.1 11.9S–.10 166.6E–.20 168–27 4.4b 52 7-151
IDC X 30 09 47 46.0–4.4 11.88S 166.52E 160–39 4.3,3.9 **¶602000462**
NEIC X 30 09 47 46.8–1.7 11.92S 166.54E 172–15 4.4b,3.9
ISCJB X 30 09 47 47.5–2.7 11.99S–.09 166.52E–.09 194–25 4.1b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 02 55 39.9–.59 11.58S–.05 166.42E–.05 56–4 5.3s,4.9b 330 7-165
MOS XI 11 02 55 35.2–1.2 11.47S 166.21E 27 5.1b,4.9b **¶601991687**
IDC XI 11 02 55 38.2–1.9 11.59S 166.47E 47–16 5.0L,4.9
ISCJB XI 11 02 55 40.2–1.3 11.61S–.03 166.24E–.03 67–11 4.8b,4.9
NEIC XI 11 02 55 43.0–.97 11.62S 166.23E 82–8 4.9b,4.9
BJI XI 11 02 55 43.5 11.13S 166.54E 93 5.5b,5.0b
ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=8.9km az=68.0.
IDC Error ellipse: s-maj=14.7km s-min=10.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.3km az=41.1.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=137.0.
ISC XI 12 08 21 33.3–.38 10.85S–.06 165.03E–.06 31 4.9b,4.1s 157 5-135
IDC XI 12 08 21 27.9–.61 10.96S 165.12E 0 4.7,4.7L **¶601885144**
BJI XI 12 08 21 30.0 10.70S 165.00E 10 5.2b,5.1s
ISCJB XI 12 08 21 31.5–.18 10.88S–.04 164.94E–.04 31 4.8b,4.2s
NEIC XI 12 08 21 32.6–1.5 10.84S 165.01E 28–10 4.9b,4.2s
GCMT XI 12 08 21 32.6–.30 10.89S–.02 164.84E–.02 18–1 5.0W,4.2s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c40; s73,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.18 $M_{\theta\theta}$-1.88±.14; $M_{\phi\phi}$-1.02±.11; $M_{r\theta}$1.30±.30; $M_{\theta\phi}$1.62±.09; $M_{\phi r}$-2.60±.31; Best double couple: NP1:ϕ_s145.00000°,δ68.00000°,λ104.00000°. NP2:ϕ_s291.00000°,δ27.00000°,λ59.00000°. Principal axes: T 4.2230,Plg65.0000° ,Azm79.0000°; N -0.0820,Plg13.0000°,Azm319.0000°; P -4.1510,Plg21.0000° ,Azm224.0000° $M_0$4.18700×10^{16}
ISC XI 15 05 29 59.3–.65 11.9S–.10 167.1E–.10 220 3.8b 23 10-166
ISCJB XI 15 05 29 58.3–.60 11.8S–.10 167.0E–.10 220 3.8b **¶602389435**
IDC XI 15 05 30 00.7–3.9 11.96S 167.08E 232–38 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=12.1km az=35.0.
IDC Error ellipse: s-maj=24.4km s-min=16.6km az=156.0.
ISC XI 15 22 28 11.1–.56 10.80S–.09 165.08E–.08 31 4.1b,3.7s 30 5-95
IDC XI 15 22 28 06.2–.80 10.80S 165.02E 0 4.5L,4.4 **¶601903803**
ISCJB XI 15 22 28 09.1–.43 10.94S–.08 165.02E–.07 31 4.2b,3.7s
NEIC XI 15 22 28 09.9–4.0 10.83S 165.06E 25–28 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=18.4km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=9.2km az=0.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=11.3km az=68.0.
ISC XI 15 23 51 06.3–.64 10.8S–.10 165.03E–.07 31 4.3b 18 5-84
IDC XI 15 23 51 01.8–1.6 10.76S 164.96E 0 4.1L,4.0 **¶601992106**
ISCJB XI 15 23 51 04.3–.55 10.82S–.09 164.96E–.07 31 4.1b,4.0
NEIC XI 15 23 51 07.1–.97 10.76S 164.98E 40–10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=27.4km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=9.2km az=177.5.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=174.0.
IDC XI 16 09 54 06.1–10 13.00S 167.07E 300–126 3.5,3.0
¶602389500
IDC Error ellipse: s-maj=103.6km s-min=29.5km az=158.0.
IDC XI 17 05 33 52.1–2.4 12.38S 165.40E 0 4.4,4.1
¶602389551
IDC Error ellipse: s-maj=100.2km s-min=32.3km az=138.0.
IDC XI 17 23 05 36.2–1.8 11.42S 165.21E 0 3.9,3.6
¶602389584
IDC Error ellipse: s-maj=52.5km s-min=32.1km az=128.0.
ISC XI 18 21 38 27.2–.55 11.46S–.08 166.38E–.08 35 4.4b,3.2s 47 7-117
ISCJB XI 18 21 38 25.6–.43 11.50S–.06 166.22E–.07 35 4.4b,3.2s **¶601992781**
IDC XI 18 21 38 29.7–3.5 11.50S 166.21E 56–30 4.3L,4.2
NEIC XI 18 21 38 30.3–1.8 11.54S 166.23E 64–16 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.6km az=156.3.
IDC Error ellipse: s-maj=23.1km s-min=16.8km az=73.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.1km az=62.0.
ISC XI 19 12 45 09.2–.64 10.90S–.09 165.04E–.08 31 4.2b,3.8s 47 5-96
ISCJB XI 19 12 45 07.5–.46 10.99S–.06 164.97E–.06 31 4.2b,3.8s **¶601992934**
NEIC XI 19 12 45 10.1–1.1 10.92S 164.99E 37–9 4.3b,3.8s
IDC XI 19 12 45 10.3–4.3 10.91S 165.03E 38–35 4.3L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.7km az=39.2.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=64.0.
IDC Error ellipse: s-maj=22.7km s-min=20.1km az=61.0.
IDC XI 28 17 29 30.4–7.7 10.73S 165.72E 131–31 4.0,3.5
¶602390130
IDC Error ellipse: s-maj=98.1km s-min=21.3km az=47.0.
ISC XI 30 22 29 18.7–.58 11.71S–.07 166.9E–.10 200 4.1b 34 7-151
ISCJB XI 30 22 29 17.7–.52 11.61S–.07 166.8E–.10 200 4.0b **¶602216539**
IDC XI 30 22 29 18.8–1.1 11.67S 166.81E 197–9 4.3,4.0
NEIC XI 30 22 29 24.3–1.3 11.72S 166.69E 250–12 4.3b,4.0

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=9.4km az=176.8.
IDC Error ellipse: s-maj=16.9km s-min=11.5km az=83.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.2km az=67.0.
IDC XII 10 23 33 43.1–4.4 11.90S 165.03E 0 3.7,3.6
¶602391040

IDC Error ellipse: s-maj=189.8km s-min=32.7km az=138.0.
IDC XII 14 08 37 09.8–14 11.56S 165.03E 0 4.4,4.2
¶602391305

IDC Error ellipse: s-maj=244.0km s-min=38.4km az=54.0.
IDC XII 14 16 40 35.7–2.7 11.60S 166.75E 0 4.0,3.7b
¶602391332

IDC Error ellipse: s-maj=161.4km s-min=27.5km az=143.0.
IDC XII 15 17 32 42.2–6.7 10.76S 165.92E 222–64 4.1,3.7
¶602391397

IDC Error ellipse: s-maj=34.4km s-min=22.0km az=3.0.
ISC XII 16 06 04 17.8–.42 10.75S–.06 166.11E–.07 155 4.8b 141 6-165
BJI XII 16 06 04 13.7 11.17S 166.52E 154 4.9b,4.7b **¶602043797**
ISCJB XII 16 06 04 16.5–.27 10.75S–.04 166.15E–.05 155 4.6b,4.7b
NEIC XII 16 06 04 16.9–.21 10.67S 166.14E 146 4.7b,4.7b
IDC XII 16 06 04 17.0–.85 10.71S 166.17E 146–7 4.5,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=152.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=91.0.
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=125.0.
ISC XII 18 21 48 59.7–.54 12.78S–.07 165.97E–.10 40 4.2b,3.8s 39 7-152
IDC XII 18 21 48 53.3–.71 12.75S 166.01E 0 4.2,4.1 **¶602216204**
ISCJB XII 18 21 48 57.7–.51 12.91S–.07 165.90E–.08 40 4.1b,3.9s
NEIC XII 18 21 48 59.2–1.3 12.85S 166.02E 41–11 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.5km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=145.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.2km az=78.0.
ISC XII 19 23 34 13.4–1.3 10.1S–.30 167.2E–.30 35 4.2b 10 7-94
IDC XII 19 23 34 08.1–1.2 10.02S 167.17E 0 4.4,4.2b **¶602391691**
ISCJB XII 19 23 34 11.7–.98 10.1S–.30 167.1E–.20 33 4.2b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC XII 21 09 47 17.0–13 12.04S 166.86E 360–169 3.8,3.4
¶602391804

IDC Error ellipse: s-maj=154.7km s-min=22.5km az=160.0.
ISC XII 23 09 47 26.5–.75 12.17S–.07 167.11E–.09 243–6 4.5b 204 8-166
BJI XII 23 09 47 25.0 12.10S 167.10E 247 4.9b,4.7b **¶602056613**
IDC XII 23 09 47 26.0–.89 12.17S 167.14E 242–8 4.5,4.0
ISCJB XII 23 09 47 27.2–1.2 12.20S–.04 167.00E–.04 262–11 4.4b,4.0
NEIC XII 23 09 47 28.2–.76 12.15S 167.03E 259–7 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=11.2km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.5km az=165.3.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=96.0.
IDC XII 23 17 27 55.6–7.0 10.43S 165.76E 145–66 3.9,3.6
¶602391933

IDC Error ellipse: s-maj=57.3km s-min=26.8km az=146.0.
ISC XII 24 12 01 19.7–.46 10.99S–.06 165.98E–.07 61 4.7b 90 6-150
NEIC XII 24 12 01 17.0–.18 10.85S 166.03E 35 4.8b **¶602057933**
ISCJB XII 24 12 01 18.1–.25 10.94S–.04 165.97E–.05 61 4.6b
BJI XII 24 12 01 18.7 10.59S 165.98E 55 5.1b,4.7b
IDC XII 24 12 01 19.7–3.5 10.90S 166.01E 61–31 4.8L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=168.1.
IDC Error ellipse: s-maj=20.1km s-min=16.8km az=64.0.
ISC XII 28 15 55 12.0–.87 11.0S–.10 166.2E–.20 35 3.8b 10 6-116
IDC XII 28 15 55 21.5–10 11.27S 166.02E 124–102 3.9L,3.8 **¶602380790**
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=23.5km az=166.0.
IDC XII 31 03 21 08.7–3.2 11.93S 167.62E 0 4.0,3.8b
¶602380466

IDC Error ellipse: s-maj=150.6km s-min=25.3km az=142.0.

(185) Vanuatu Islands region.

IDC VII 08 20 19 49.3–4.0 14.01S 171.32E 595–36 4.1,3.3
¶601664307

IDC Error ellipse: s-maj=85.7km s-min=26.1km az=137.0.
ISC VII 21 06 11 57.9–.48 19.30S–.05 173.89E–.04 11–2 5.5s,5.5b 741 7-170
IDC VII 21 06 11 55.7–.36 19.38S 173.90E 0 5.5,5.5s **¶601453746**
ISCJB VII 21 06 11 56.8–.09 19.20S–.02 173.75E–.02 10 5.5s,5.4b
WEL VII 21 06 11 57.0 19.19S 173.79E 10 5.5s,5.4b
NEIC VII 21 06 11 57.9–.10 19.19S 173.79E 10 5.9W,5.8W
GCMT VII 21 06 11 57.9–.10 19.22S 173.83E 15 5.9W,5.8W
BJI VII 21 06 11 57.8 19.31S 173.33E 6 5.6b,5.6s
MOS VII 21 06 11 58.1–1.1 19.30S 173.81E 21 5.6s,5.4b
NEIC VII 21 06 12 00.0–.00 19.05S 173.71E 11 5.6s,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=11.0km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=29.9.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=130.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-5.12 $M_{\phi\phi}$5.21 $M_{r\theta}$-1.07 $M_{\theta\phi}$-3.27 $M_{\phi r}$1.52 Best double couple: NP1:ϕ_s30.00000°,δ75.00000°,λ6.00000°. NP2:ϕ_s298.00000°,δ84.00000° ,λ165.00000°. Principal axes: T 6.6300,Plg15.0000°,Azm253.0000°; N -0.4900,Plg74.0000° ,Azm96.0000°; P -6.1400,Plg6.0000°,Azm345.0000° $M_0$6.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s133,c283; s144,c449;Duration: 2s^2 Moment tensor: Scale 10^{18} Nm; M_{rr}0.02±.01 $M_{\theta\theta}$-0.68±.01; $M_{\phi\phi}$0.65±.01; $M_{r\theta}$0.16±.02; $M_{\theta\phi}$-0.52±.01; $M_{\phi r}$0.30±.02; Best double couple: NP1:ϕ_s26.00000°,δ90.00000°,λ22.00000°. NP2:ϕ_s296.00000° ,δ68.00000°,λ180.00000°. Principal axes: T 0.8960,Plg15.0000°,Azm253.0000° ; N 0.0270,Plg68.0000°,Azm26.0000°; P -0.9230,Plg15.0000°,Azm159.0000° $M_0$0.90900×10^{18}
MOS Error ellipse: s-maj=8.5km s-min=8.1km az=145.9.
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$-4.45 $M_{\phi\phi}$4.47 $M_{r\theta}$-2.56 $M_{\theta\phi}$-5.40 $M_{\phi r}$2.27 Best double couple: NP1:ϕ_s289.00000° ,δ83.00000°,λ156.00000°. NP2:ϕ_s22.00000°,δ67.00000°,λ7.00000°. Principal axes: T 8.2400,Plg21.0000°,Azm242.0000°; N -0.9700,Plg65.0000°,Azm94.0000° ; P -7.2700,Plg11.0000°,Azm337.0000° $M_0$7.80000×10^{17}
IDC VII 21 16 02 26.9–4.3 21.54S 174.50E 0 4.3,4.1b
¶601664927

IDC Error ellipse: s-maj=186.6km s-min=42.1km az=155.0.
ISC VII 25 19 01 36.1–.63 19.47S–.07 167.88E–.10 34–2 4.9b,3.5s 178 3-159
IDC VII 25 19 01 30.7–.55 19.27S 167.69E 0 5.0L,4.5 **¶601468520**
ISCJB VII 25 19 01 34.8–.21 19.40S–.05 167.69E–.05 35 4.8b,3.8s
MOS VII 25 19 01 34.7–.91 19.34S 167.66E 33 5.1b,3.8s
BJI VII 25 19 01 35.0 19.40S 167.80E 38 4.9b,4.8s
NEIC VII 25 19 01 36.4–.23 19.30S 167.73E 35 5.0b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=15.3km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=43.8.
MOS Error ellipse: s-maj=13.8km s-min=12.1km az=50.2.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=138.0.
ISC VII 29 02 21 53.3–.96 14.5S–.20 172.2E–.20 600 3.9b 21 9-121
ISCJB VII 29 02 21 52.3–.90 14.6S–.10 172.2E–.10 600 3.7b **¶601666602**
IDC VII 29 02 21 55.2–3.6 14.40S 172.03E 623–44 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=15.4km az=165.3.
IDC Error ellipse: s-maj=32.9km s-min=25.8km az=170.0.
ISC VII 30 09 33 00.9–.68 13.3S–.10 172.2E–.10 600 4.1b 44 10-120
ISCJB VII 30 09 32 59.7–.57 13.3S–.10 172.2E–.10 600 4.2b **¶601650765**
IDC VII 30 09 33 01.8–2.1 13.42S 172.26E 613–24 4.6,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=10.0km az=137.9.
IDC Error ellipse: s-maj=19.5km s-min=14.2km az=124.0.

IDC VIII 02 16 23 49.7–3.3 19.13S 167.52E 0 3.8,3.6
¶601765358

IDC Error ellipse: s-maj=73.8km s-min=37.3km az=103.0.
ISC VIII 08 16 35 53.8–1.1 14.0S–.20 170.3E–.10 628 4.2b 15 9-143
ISCJB VIII 08 16 35 51.7–1.0 13.9S–.20 170.4E–.10 628 4.1b **¶601765661**
IDC VIII 08 16 35 52.1–1.9 13.97S 170.45E 605–21 4.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.0km s-min=15.9km az=178.8.
IDC Error ellipse: s-maj=33.3km s-min=19.7km az=166.0.
ISC VIII 18 10 23 32.8–.24 13.47S–.05 172.41E–.05 35 5.6s,5.3b 721 8-176
ISCJB VIII 18 10 23 31.3–.10 13.55S–.02 172.33E–.02 33 5.6s,5.3b **¶604029694**
MOS VIII 18 10 23 31.3–.92 13.51S 172.34E 34 5.4b,5.4s
NEIC VIII 18 10 23 32.2–1.3 13.50S 172.38E 31–9 5.7s,5.3b
GCMT VIII 18 10 23 34.2–.20 13.46S–.01 172.39E–.01 12–0 5.7W,5.3b
IDC VIII 18 10 23 35.4–3.4 13.54S 172.31E 60–29 5.1,5.1s
BJI VIII 18 10 23 36.5 13.45S 172.16E 67 5.8b,5.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=143.0.
MOS Error ellipse: s-maj=7.8km s-min=7.4km az=99.6.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=135.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c123; s122,c292;Duration: 1s^7 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.07±.10 $M_{\theta\theta}$4.42±.07; $M_{\phi\phi}$-0.35±.06; $M_{r\theta}$0.28±.17; $M_{\theta\phi}$0.55±.05; $M_{\phi r}$-1.00±.22; Best double couple: NP1:ϕ_s278.00000°,δ48.00000°,λ-70.00000°. NP2:ϕ_s69.00000°,δ46.00000°,λ-111.00000°. Principal axes: T 4.4850,Plg1.0000° ,Azm354.0000°; N -0.1490,Plg15.0000°,Azm84.0000°; P -4.3400,Plg75.0000° ,Azm260.0000° $M_0$4.41300×10^{17}
IDC Error ellipse: s-maj=13.1km s-min=10.7km az=65.0.
ISC VIII 26 17 28 10.0–.51 19.11S–.08 167.7E–.10 28 4.6b 54 3-165
IDC VIII 26 17 28 05.9–.49 19.06S 167.69E 0 4.6,4.5 **¶601626484**
ISCJB VIII 26 17 28 08.5–.38 19.08S–.05 167.59E–.09 28 4.5b,4.5
NEIC VIII 26 17 28 11.1–.28 19.08S 167.70E 35 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=13.6km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=18.2.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=129.0.
ISC VIII 31 16 28 26.3–1.2 14.8S–.20 172.4E–.20 550 4.2b 16 9-92
IDC VIII 31 16 27 35.2–34 13.77S 172.37E 0 4.4,4.2 **¶601755744**
ISCJB VIII 31 16 28 25.1–.90 14.9S–.10 172.4E–.10 550 4.2b,4.2
NEIC VIII 31 16 28 27.6–2.1 14.90S 172.35E 566–26 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=607.6km s-min=111.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=16.1km az=19.1.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=14.8km az=197.0.
IDC IX 15 07 08 29.5–54 13.74S 169.74E 0 4.6,4.4
¶601863574

IDC Error ellipse: s-maj=926.1km s-min=119.3km az=66.0.
IDC IX 19 09 09 35.4–10 15.28S 163.74E 0 3.9,3.8
¶601863821

IDC Error ellipse: s-maj=186.7km s-min=33.4km az=44.0.
IDC IX 24 10 49 36.8–2.1 13.84S 169.14E 0 3.9,3.7
¶601864090

IDC Error ellipse: s-maj=66.4km s-min=30.7km az=126.0.
ISC IX 27 17 43 35.6–.87 14.3S–.10 171.9E–.20 600 3.7b 13 9-121
ISCJB IX 27 17 43 34.3–.83 14.3S–.10 171.9E–.20 600 3.6b **¶601864297**
IDC IX 27 17 43 37.3–3.2 14.29S 171.86E 624–45 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.6km s-min=11.3km az=26.9.
IDC Error ellipse: s-maj=26.8km s-min=22.4km az=163.0.
IDC X 16 07 54 37.0–1.7 19.28S 167.72E 0 4.1,3.8
¶601998479

IDC Error ellipse: s-maj=55.5km s-min=30.4km az=145.0.
IDC X 17 08 47 30.8–12 14.44S 164.22E 0 3.8,3.6
¶601998637

IDC Error ellipse: s-maj=212.1km s-min=34.6km az=47.0.
IDC XI 04 02 25 39.1–88 16.88S 163.66E 0 3.8,3.6
¶602388786

IDC Error ellipse: s-maj=1463.0km s-min=109.6km az=65.0.
ISC XI 04 18 58 09.3–.73 14.6S–.10 170.0E–.10 614 3.8b 21 23-121
ISCJB XI 04 18 58 07.7–.65 14.6S–.10 170.1E–.10 614 3.7b **¶602388818**
IDC XI 04 18 58 07.7–1.9 14.52S 170.19E 597–21 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=14.0km az=13.9.
IDC Error ellipse: s-maj=16.3km s-min=13.6km az=77.0.
IDC XI 12 12 00 00.6–27 15.18S 171.19E 653–105 4.4,3.3
¶602389284

IDC Error ellipse: s-maj=369.9km s-min=69.9km az=66.0.
IDC XI 21 15 47 34.8–2.3 13.73S 171.88E 620–27 4.5,3.6
¶602389793

IDC Error ellipse: s-maj=26.6km s-min=20.5km az=126.0.
IDC XI 23 17 05 21.7–4.4 13.92S 171.65E 626–32 4.3,3.4
¶602389902

IDC Error ellipse: s-maj=56.6km s-min=25.2km az=45.0.
IDC XII 05 09 24 58.6–3.9 21.14S 174.36E 0 4.1,4.1b
¶602390491

IDC Error ellipse: s-maj=121.5km s-min=45.2km az=178.0.
ISC XII 11 12 18 20.6–.63 19.00S–.05 167.71E–.06 29–4 5.2b,4.0s 534 3-166
IDC XII 11 12 18 16.1–.45 18.90S 167.71E 0 5.1L,5.0 **¶602035771**
BJI XII 11 12 18 19.5 18.84S 167.61E 23 5.3b,5.1b
ISCJB XII 11 12 18 20.3–1.2 18.98S–.03 167.64E–.03 36–10 5.1b,4.1s
MOS XII 11 12 18 20.2–1.0 18.93S 167.62E 33 5.4b,4.1s
GCMT XII 11 12 18 21.5–.20 18.79S–.02 167.54E–.01 17–0 5.0W,4.1s
NEIC XII 11 12 18 21.5–.09 18.97S 167.67E 35 5.2b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=13.1km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=177.1.
MOS Error ellipse: s-maj=9.3km s-min=7.9km az=139.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c48; s90,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.41±.18 $M_{\theta\theta}$-0.95±.12; $M_{\phi\phi}$4.35±.13; $M_{r\theta}$0.64±.40; $M_{\theta\phi}$0.28±.08; $M_{\phi r}$0.47±.28; Best double couple: NP1:ϕ_s196.00000°,δ50.00000°,λ-73.00000°. NP2:ϕ_s350.00000°,δ43.00000°,λ-110.00000°. Principal axes: T 4.3970,Plg4.0000° ,Azm273.0000°; N -0.8180,Plg13.0000°,Azm4.0000°; P -3.5860,Plg76.0000°,Azm168.0000° $M_0$3.99200×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=121.0.
ISC XII 11 23 16 21.1–.33 19.03S–.05 167.84E–.07 20 5.0b,4.0s 295 3-165
BJI XII 11 23 16 18.0 18.43S 168.08E 6 5.3b,5.2b **¶602090176**
ISCJB XII 11 23 16 19.8–.15 18.98S–.03 167.71E–.03 20 4.9b,4.0s
NEIC XII 11 23 16 23.2–2.0 18.99S 167.74E 35–13 5.0b,4.0s
GCMT XII 11 23 16 24.2–.20 18.85S–.02 167.50E–.01 18–0 5.0W,4.0s
IDC XII 11 23 16 25.1–2.9 18.92S 167.69E 49–26 4.7,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=139.1.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=221.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c52; s85,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.17 $M_{\theta\theta}$-0.35±.11; $M_{\phi\phi}$3.60±.12; $M_{r\theta}$-0.98±.34; $M_{\theta\phi}$-0.38±.08; $M_{\phi r}$1.84±.23; Best double couple: NP1:ϕ_s162.00000°,δ61.00000°,λ-103.00000°. NP2:ϕ_s8.00000°,δ32.00000°,λ-68.00000°. Principal axes: T 4.1480,Plg15.0000° ,Azm262.0000°; N -0.2260,Plg11.0000°,Azm169.0000°; P -3.9220,Plg71.0000° ,Azm43.0000° $M_0$4.03500×10^{16}
IDC Error ellipse: s-maj=13.8km s-min=12.4km az=121.0.
ISC XII 12 17 15 07.3–.97 14.2S–.10 172.4E–.20 600 4.5b 17 10-171
IDC XII 12 17 15 04.8–2.2 14.27S 172.44E 571–21 4.7,3.8 **¶602391197**
ISCJB XII 12 17 15 05.9–.97 14.2S–.10 172.5E–.20 600 4.3b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 18 00 33 22.4–2.9 14.52S 171.45E 604–26 4.0,3.3
¶602391582

IDC Error ellipse: s-maj=36.6km s-min=28.0km az=138.0.
IDC XII 19 14 54 43.8–18 13.16S 169.65E 0 4.0,3.9

¶602391673
IDC Error ellipse: s-maj=307.9km s-min=120.8km az=57.0.
IDC XII 23 09 32 09.8–1.6 13.28S 170.85E 0 3.9,3.6
¶602391914
IDC Error ellipse: s-maj=97.2km s-min=24.7km az=145.0.
ISC XII 27 03 35 26.8–1.7 21.4S–.40 173.6E–.20 35 4.0b,3.7s 8 7-169
IDC XII 27 03 35 21.2–1.8 21.39S 173.71E 0 4.2,4.1 ¶602092432
ISCJB XII 27 03 35 25.1–2.0 21.5S–.50 173.6E–.30 33 4.0b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 28 04 08 21.6–1.7 19.4S–.50 172.7E–.20 35 4.0b,3.9s 7 6-146
IDC XII 28 04 08 16.3–1.7 19.38S 172.69E 0 4.2,3.9 ¶602092436
ISCJB XII 28 04 08 20.1–1.4 19.3S–.40 172.6E–.20 33 3.9b,3.8s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 28 06 28 44.6–.94 17.9S–.20 173.0E–.20 35 4.2b,4.1s 9 7-145
IDC XII 28 06 28 39.2–1.1 17.85S 172.98E 0 4.3,4.1 ¶602092438
ISCJB XII 28 06 28 42.9–.81 18.0S–.20 172.9E–.10 33 4.1b,4.1s
GCMT XII 28 06 28 44.0–.40 17.98S–.02 173.17E–.02 19–1 4.9W,4.1s
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s21,c25; s68,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.01±.25 $M_{\theta\theta}$3.72±.19; $M_{\phi\phi}$-1.71±.14; $M_{r\theta}$0.68±.31; $M_{\theta\phi}$-0.72±.13; $M_{\phi r}$0.15±.31; Best double couple: NP1:ϕ_s253.00000°,δ58.00000° ,λ-125.00000°. NP2:ϕ_s126.00000°,δ46.00000°,λ-48.00000°. Principal axes: T 3.8860,Plg6.0000°,Azm7.0000°; N -1.6730,Plg29.0000°,Azm274.0000° ; P -2.2130,Plg60.0000°,Azm108.0000° $M_0$3.05000×10^{16}

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ISC VII 02 17 14 35.5–.94 15.14S–.09 166.6E–.20 36 4.0b,3.5s 12 7-120
IDC VII 02 17 14 29.3–1.3 14.82S 166.57E 0 4.3,4.1 ¶601542012
ISCJB VII 02 17 14 33.4–.96 15.20S–.07 166.6E–.20 36 4.1b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 06 02 28 22.6–.22 14.66S–.03 167.30E–.03 165–1 5.8b 2211 7-172
BJI VII 06 02 28 21.2 14.58S 167.29E 164 6.3b,5.8b ¶601505943
WEL VII 06 02 28 22.0 14.66S 167.34E 160 6.3b,5.8b
IDC VII 06 02 28 22.1–.35 14.68S 167.40E 160–2 6.1,5.6
GCMT VII 06 02 28 22.2–.10 14.74S 167.19E 169–0 6.4W,5.6
NEIC VII 06 02 28 22.2–.08 14.66S 167.34E 160 6.3W,6.3W
ISCJB VII 06 02 28 22.9–.63 14.67S–.02 167.29E–.02 178–5 5.7b,6.3W
NEIC VII 06 02 28 22.0–.00 14.46S 167.05E 170 5.7b,6.3W
MOS VII 06 02 28 23.0–.89 14.61S 167.27E 178 6.0b,5.5s
NEIC VII 06 02 28 39.9–.00 13.95S 168.22E 154 6.0b,5.5s
ISC Event type fe.
WEL manual. confirmed.
IDC Error ellipse: s-maj=7.7km s-min=6.9km az=53.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s147,c372; s148,c626;Duration: 3s8 Moment tensor: Scale 10^{18} Nm; M_{rr}4.04±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-3.65±.02; $M_{r\theta}$-1.45±.02; $M_{\theta\phi}$1.96±.02; $M_{\phi r}$-0.83±.02; Best double couple: NP1:ϕ_s175.00000°,δ50.00000°,λ119.00000°. NP2:ϕ_s315.00000° ,δ48.00000°,λ60.00000°. Principal axes: T 4.7080,Plg68.0000°,Azm153.0000° ; N -0.1320,Plg22.0000°,Azm336.0000°; P -4.5710,Plg1.0000°,Azm245.0000° $M_0$4.63900×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=143.0. Felt at Luganville and Port Olry. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$5.50000×10^{18} Moment Tensor Solution. s99 Moment tensor: Scale 10^{18}Nm; M_{rr}2.77 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$-1.87 $M_{r\theta}$-1.24 $M_{\theta\phi}$1.04 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s165.00000°,δ44.00000°,λ118.00000°. NP2:ϕ_s308.00000° ,δ53.00000°,λ66.00000°. Principal axes: T 3.2300,Plg70.0000°,Azm158.0000° ; N -0.6700,Plg19.0000°,Azm323.0000°; P -2.5600,Plg5.0000°,Azm55.0000° $M_0$3.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ48.00000°,λ109.00000°. NP2:ϕ_s320.00000°,δ45.00000°,λ70.00000°. Principal axes: T Plg76.0000°,Azm147.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm244.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=177.4.
NEIC Event type se. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}3.38 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-2.88 $M_{r\theta}$-1.03 $M_{\theta\phi}$1.41 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s176.00000° ,δ55.00000°,λ115.00000°. NP2:ϕ_s316.00000°,δ42.00000°,λ58.00000°. Principal axes: T 4.0500,Plg68.0000°,Azm139.0000°; N -0.4100,Plg20.0000°,Azm340.0000° ; P -3.6400,Plg7.0000°,Azm247.0000° $M_0$3.90000×10^{18}
MOS Error ellipse: s-maj=6.5km s-min=5.9km az=101.8.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}3.10 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-2.58 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.81 $M_{\phi r}$-1.73 Best double couple: NP1:ϕ_s182.00000° ,δ60.00000°,λ109.00000°. NP2:ϕ_s326.00000°,δ35.00000°,λ59.00000°. Principal axes: T 3.8700,Plg68.0000°,Azm131.0000°; N -0.6900,Plg17.0000°,Azm352.0000° ; P -3.1800,Plg13.0000°,Azm258.0000° $M_0$3.50000×10^{18}
IDC VII 08 06 59 21.3–3.4 18.82S 168.92E 0 4.3,4.2b
¶601266110
IDC Error ellipse: s-maj=82.2km s-min=38.3km az=123.0.
ISC VII 08 09 11 58.6–.69 19.08S–.09 168.7E–.10 10 4.5b 32 4-149
IDC VII 08 09 11 54.8–1.6 19.10S 168.94E 0 4.2,4.1 ¶601456855
ISCJB VII 08 09 11 56.8–.58 19.04S–.07 168.58E–.08 10 4.4b,3.5s
NEIC VII 08 09 11 58.8–.56 19.05S 168.57E 10 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=31.2km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=23.3.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=12.1km az=197.0.
ISC VII 08 09 40 13.8–.55 19.08S–.10 169.0E–.10 10 4.4b,3.2s 61 4-149
ISCJB VII 08 09 40 12.3–.44 19.07S–.07 168.96E–.07 10 4.4b,3.2s ¶601456856
IDC VII 08 09 40 12.5–.84 19.04S 169.00E 0 4.3,4.1
NEIC VII 08 09 40 13.5–.36 19.02S 169.03E 10 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.5km az=140.1.
IDC Error ellipse: s-maj=25.8km s-min=18.5km az=134.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.9km az=157.0.
ISC VII 09 06 29 25.6–.61 14.41S–.05 167.39E–.08 203–5 4.3b 141 8-166
BJI VII 09 06 29 21.3 14.49S 167.66E 190 4.7b,4.4b ¶601505959
ISCJB VII 09 06 29 25.6–1.3 14.37S–.06 167.23E–.05 216–13 4.2b,4.4b
IDC VII 09 06 29 25.6–.76 14.35S 167.31E 205–6 4.4,4.0
NEIC VII 09 06 29 26.4–1.1 14.35S 167.28E 210–10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=144.4.
IDC Error ellipse: s-maj=14.8km s-min=9.3km az=104.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=145.0.
IDC VII 09 13 56 02.5–6.7 14.48S 167.19E 165–51 3.9,3.6
¶601664335
IDC Error ellipse: s-maj=56.4km s-min=31.2km az=22.0.
ISC VII 10 02 38 35.1–1.2 18.7S–.20 169.4E–.30 240 3.8b 9 4-125
IDC VII 10 02 38 37.3–3.0 18.94S 169.43E 269–31 4.2,3.8 ¶601664363
ISC Event type ke.
IDC Error ellipse: s-maj=50.8km s-min=22.9km az=148.0.
ISC VII 10 10 46 37.6–.52 16.76S–.06 167.1E–.10 25 4.7b,3.8s 66 5-145
IDC VII 10 10 46 33.6–.80 16.71S 167.09E 0 4.7L,4.6 ¶601258066
ISCJB VII 10 10 46 36.1–.36 16.69S–.05 166.99E–.07 25 4.6b,3.9s
NEIC VII 10 10 46 37.9–3.2 16.68S 167.06E 28–23 4.7b,3.9s
GCMT VII 10 10 46 37.9–.30 16.64S 167.03E 21–1 4.9W,3.9s
BJI VII 10 10 46 38.5 16.51S 167.34E 45 5.0b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=14.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=160.2.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=61.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s26,c33; s77,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.33±.18 $M_{\theta\theta}$0.36±.12; $M_{\phi\phi}$0.96±.14; $M_{r\theta}$-0.29±.19; $M_{\theta\phi}$2.47±.08; $M_{\phi r}$-0.11±.21; Best double couple: NP1:ϕ_s85.00000°,δ82.00000° ,λ-14.00000°. NP2:ϕ_s177.00000°,δ77.00000°,λ-171.00000°. Principal axes: T 3.1720,Plg4.0000°,Azm132.0000°; N -1.3080,Plg74.0000°,Azm234.0000° ; P -1.8610,Plg15.0000°,Azm41.0000° $M_0$2.51600×10^{16}
ISC VII 11 19 35 25.5–.96 15.15S–.09 168.2E–.20 36 4.1b 13 7-121
IDC VII 11 19 35 20.2–1.2 15.00S 168.21E 0 4.4,4.3L ¶601404934
ISCJB VII 11 19 35 24.0–.92 15.21S–.08 168.2E–.20 36 4.1b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 11 19 41 16.3–1.0 15.1S–.10 168.3E–.20 35 3.9b 10 7-98
IDC VII 11 19 41 11.3–1.3 14.91S 168.17E 0 4.2,4.0b ¶601664443
ISCJB VII 11 19 41 14.9–.93 15.15S–.08 168.2E–.20 35 3.9b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 12 12 05 02.8–4.3 18.78S 169.44E 248–76 3.8,3.4
¶601664484
IDC Error ellipse: s-maj=180.1km s-min=33.4km az=150.0.
ISC VII 12 21 16 03.4–.79 15.04S–.09 166.9E–.10 67 3.9b 14 7-131
IDC VII 12 21 15 54.9–.99 14.67S 166.84E 0 4.0,3.8 ¶601456893
NEIC VII 12 21 15 60.0–.62 14.77S 166.87E 35 4.2b,3.8
ISCJB VII 12 21 16 00.9–.76 15.12S–.07 167.0E–.10 67 3.7b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 13 07 14 28.6–2.5 15.64S 167.03E 0 3.7,3.5
¶601664517
IDC Error ellipse: s-maj=53.4km s-min=46.2km az=105.0.
IDC VII 15 12 27 29.4–2.1 17.94S 167.68E 0 3.9,3.7
¶601664626
IDC Error ellipse: s-maj=55.5km s-min=33.3km az=125.0.
IDC VII 15 12 51 36.0–8.0 18.37S 167.73E 182–87 3.7,3.5
¶601664629
IDC Error ellipse: s-maj=108.2km s-min=29.6km az=166.0.
ISC VII 16 03 58 53.0–1.5 16.2S–.20 169.6E–.10 35 4.1b,3.4s 8 7-69
IDC VII 16 03 58 47.4–1.8 16.05S 169.59E 0 5.4L,4.5 ¶601664656
ISCJB VII 16 03 58 50.7–1.3 16.3S–.20 169.6E–.10 33 4.3b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 16 18 54 47.3–3.5 17.38S 167.70E 0 4.9L,4.4
¶601664690
IDC Error ellipse: s-maj=74.1km s-min=40.1km az=98.0.
ISC VII 17 16 22 17.9–.87 17.58S–.09 167.9E–.20 27 4.0b 17 5-146
IDC VII 17 16 22 13.4–.92 17.51S 167.96E 0 4.1b,4.1 ¶601473892
NEIC VII 17 16 22 15.1–.49 17.48S 167.92E 10 4.3b,4.1
ISCJB VII 17 16 22 16.5–.81 17.63S–.07 167.8E–.20 27 4.0b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 23 17 24.1–.82 18.9S–.10 169.7E–.20 246 3.6b 12 4-144
IDC VII 17 23 17 27.4–2.4 19.07S 169.56E 280–23 4.1,3.6 ¶601664751
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.3km az=54.0.
ISC VII 19 09 27 48.5–.99 18.7S–.20 169.3E–.20 240 3.7b 9 4-96
ISCJB VII 19 09 27 47.6–.89 18.5S–.20 169.2E–.20 240 3.6b ¶601664825
IDC VII 19 09 27 48.1–3.3 18.61S 169.30E 235–37 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.1km s-min=11.2km az=37.6.
IDC Error ellipse: s-maj=62.6km s-min=20.4km az=159.0.
IDC VII 20 21 02 41.7–2.0 20.23S 169.36E 0 4.2,4.1
GCMT VII 20 21 02 40.0–.40 19.17S 173.91E 12 4.8W,4.1 ¶601484388
IDC Error ellipse: s-maj=54.6km s-min=31.2km az=40.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c18; s69,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.08 $M_{\theta\theta}$-1.48±.07; $M_{\phi\phi}$1.29±.07; $M_{r\theta}$0.42±.23; $M_{\theta\phi}$-1.26±.06; $M_{\phi r}$0.06±.21; Best double couple: NP1:ϕ_s294.00000°,δ85.00000° ,λ-170.00000°. NP2:ϕ_s203.00000°,δ80.00000°,λ-5.00000°. Principal axes: T 1.7830,Plg4.0000°,Azm68.0000°; N 0.2620,Plg79.0000°,Azm320.0000° ; P -2.0460,Plg11.0000°,Azm159.0000° $M_0$1.91400×10^{16}
ISC VII 21 13 17 06.2–1.3 14.80S–.09 167.7E–.20 129 4.1b 13 7-120
ISCJB VII 21 13 17 04.3–1.2 14.79S–.08 167.8E–.10 129 4.0b ¶601664921
IDC VII 21 13 17 11.7–3.0 14.96S 167.34E 172–22 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=9.1km az=160.0.
IDC Error ellipse: s-maj=30.0km s-min=15.3km az=68.0.
ISC VII 22 13 36 58.6–.64 14.87S–.05 167.37E–.05 127–5 4.8b 391 7-172
WEL VII 22 13 36 58.0 14.86S 167.37E 128 4.8b ¶601506033
IDC VII 22 13 36 58.7–.68 14.93S 167.36E 125–5 5.0,4.6
GCMT VII 22 13 36 58.4–.30 14.86S 167.17E 127–2 5.0W,4.6
BJI VII 22 13 36 58.8 14.36S 167.50E 127 4.9b,4.8b
NEIC VII 22 13 36 58.4–.11 14.86S 167.37E 128 4.8b,4.8b
MOS VII 22 13 36 59.4–1.0 14.84S 167.32E 143 4.8b,4.8b
ISCJB VII 22 13 36 59.8–1.1 14.88S–.03 167.31E–.03 150–10 4.7b,4.8b
ISC Event type se.
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s35,c37; s87,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.10 $M_{\theta\theta}$1.12±.12; $M_{\phi\phi}$-3.50±.11; $M_{r\theta}$-1.67±.09; $M_{\theta\phi}$-0.16±.14; $M_{\phi r}$-0.39±.10; Best double couple: NP1:ϕ_s212.00000°,δ58.00000°,λ131.00000°. NP2:ϕ_s333.00000°,δ50.00000°,λ43.00000°. Principal axes: T 3.5490,Plg56.0000°,Azm177.0000°; N 0.0040,Plg34.0000°,Azm7.0000° ; P -3.5430,Plg5.0000°,Azm274.0000° $M_0$3.54600×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC VII 23 15 22 16.0–.79 13.66S–.08 167.3E–.20 200 4.0b 20 8-119
ISCJB VII 23 15 22 15.0–.80 13.63S–.08 167.2E–.20 200 3.8b ¶601666314
IDC VII 23 15 22 16.6–2.5 13.74S 167.23E 202–21 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.9km s-min=10.8km az=178.9.
IDC Error ellipse: s-maj=21.2km s-min=13.8km az=84.0.
ISC VII 23 16 03 09.0–.67 13.19S–.08 167.2E–.20 200 4.0b 26 8-152
ISCJB VII 23 16 03 07.5–.68 13.16S–.08 167.1E–.20 200 3.8b ¶601666318
IDC VII 23 16 03 09.4–2.1 13.24S 167.22E 206–18 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=11.4km az=6.1.
IDC Error ellipse: s-maj=21.1km s-min=12.7km az=102.0.
IDC VII 23 16 28 23.8–4.3 19.01S 168.43E 0 4.0,4.0b
¶601666319
IDC Error ellipse: s-maj=96.4km s-min=32.7km az=108.0.
IDC VII 23 19 25 26.6–8.5 18.63S 170.51E 279–47 4.0,3.5
¶601666333
IDC Error ellipse: s-maj=101.7km s-min=80.0km az=113.0.
IDC VII 24 08 11 50.3–38 13.48S 167.37E 0 4.0,3.9
¶601666361
IDC Error ellipse: s-maj=654.0km s-min=52.3km az=59.0.
IDC VII 24 10 47 31.7–57 13.97S 165.83E 0 4.4,4.2
¶601666372
IDC Error ellipse: s-maj=962.7km s-min=100.7km az=63.0.
ISC VII 24 15 15 58.9–.78 13.15S–.08 167.1E–.20 250 4.0b 19 9-152
ISCJB VII 24 15 15 57.8–.70 13.06S–.06 167.0E–.20 250 3.8b ¶601666380
IDC VII 24 15 15 59.5–3.0 13.20S 167.08E 258–29 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=9.0km az=0.4.
IDC Error ellipse: s-maj=22.0km s-min=16.0km az=102.0.
ISC VII 25 03 55 25.5–1.4 18.0S–.10 167.3E–.30 23 4.0b 7 4-90
IDC VII 25 03 55 21.7–1.6 17.79S 167.32E 0 4.1,4.0 ¶601666401
ISCJB VII 25 03 55 24.2–1.3 17.98S–.09 167.2E–.20 23 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VII 26 00 48 54.7–2.9 18.79S 169.69E 0 3.9,3.7
¶601666448
IDC Error ellipse: s-maj=97.3km s-min=32.9km az=132.0.
IDC VII 27 04 24 09.1–8.6 18.15S 170.23E 224–51 4.5,4.1
¶601666508
IDC Error ellipse: s-maj=108.2km s-min=73.9km az=113.0.
IDC VII 27 20 39 49.1–2.1 17.73S 167.51E 0 4.0,3.9b
¶601666539
IDC Error ellipse: s-maj=65.5km s-min=32.9km az=123.0.

ISC VII 30 13 47 42.5–2.3 15.7S–.10 167.9E–.10 137–18 4.3b 55 6-166
NEIC VII 30 13 47 38.8–.82 15.57S 167.98E 108–7 4.4b **¶601497401**
ISCJB VII 30 13 47 41.6–2.4 15.69S–.08 167.7E–.10 140–20 4.2b
IDC VII 30 13 47 42.1–2.5 15.67S 167.80E 131–21 4.4,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.2km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=11.9km az=154.8.
IDC Error ellipse: s-maj=19.8km s-min=12.6km az=73.0.
ISC VII 31 06 45 42.0–1.3 18.1S–.10 168.7E–.20 69 4.2b 9 4-89
ISCJB VII 31 06 45 40.7–1.2 18.1S–.10 168.6E–.20 69 3.9b **¶601650808**
IDC VII 31 06 45 40.1–5.6 17.94S 168.78E 51–49 5.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.5km s-min=12.0km az=18.0.
IDC Error ellipse: s-maj=34.4km s-min=31.8km az=87.0.
IDC VII 31 12 27 49.5–1.9 17.84S 167.43E 0 4.0,3.7
¶601650824
IDC Error ellipse: s-maj=55.6km s-min=32.6km az=131.0.
ISC VIII 02 10 55 01.1–.57 14.3S–.10 167.3E–.10 250 4.1b 38 8-151
ISCJB VIII 02 10 54 59.7–.47 14.28S–.08 167.14E–.09 250 4.0b **¶601713603**
NEIC VIII 02 10 54 59.4–1.4 14.30S 167.20E 232–13 4.2b
IDC VIII 02 10 54 59.4–2.4 14.29S 167.24E 232–23 4.3,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.8km az=43.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.9km az=156.0.
IDC Error ellipse: s-maj=16.7km s-min=11.6km az=150.0.
IDC VIII 03 16 27 59.7–4.2 19.25S 169.38E 0 3.7,3.6L
¶601765411
IDC Error ellipse: s-maj=104.3km s-min=55.2km az=130.0.
ISC VIII 04 13 05 07.4–.47 19.56S–.07 168.06E–.09 26 4.2b,4.0s 79 3-147
ISCJB VIII 04 13 05 05.3–.24 19.50S–.05 168.05E–.06 26 4.2b,4.0s **¶601520327**
IDC VIII 04 13 05 07.5–7.4 19.54S 168.03E 26–50 4.5L,4.4
NEIC VIII 04 13 05 08.3–.37 19.49S 168.07E 35 4.0b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=43.1.
IDC Error ellipse: s-maj=16.6km s-min=14.7km az=86.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.0km az=153.0.
IDC VIII 05 17 27 01.9–6.5 14.26S 167.20E 137–66 4.2,3.9
¶601765505
IDC Error ellipse: s-maj=53.6km s-min=28.4km az=157.0.
ISC VIII 06 23 27 24.8–1.5 17.5S–.10 166.8E–.20 12 3.6b 8 5-89
IDC VIII 06 23 27 22.9–2.1 17.39S 166.80E 0 4.1,3.9b **¶601582217**
ISCJB VIII 06 23 27 23.2–1.4 17.51S–.09 166.8E–.20 12 3.9b,3.9b
NEIC VIII 06 23 27 24.4–1.0 17.44S 166.81E 10 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=36.8km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=11.8km az=171.2.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=16.0km az=79.0.
IDC VIII 07 01 16 37.7–1.8 15.51S 168.08E 0 4.6L,4.1
¶601765583
IDC Error ellipse: s-maj=71.3km s-min=33.9km az=122.0.
ISC VIII 07 23 49 33.4–.72 15.42S–.08 167.6E–.20 124 4.2b 24 7-166
ISCJB VIII 07 23 49 32.0–.70 15.43S–.06 167.5E–.10 124 4.1b **¶601562028**
IDC VIII 07 23 49 32.8–3.6 15.41S 167.57E 119–31 4.5,4.3
NEIC VIII 07 23 49 33.5–1.9 15.40S 167.55E 124–16 4.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=8.9km az=177.7.
IDC Error ellipse: s-maj=23.5km s-min=17.5km az=66.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.1km az=47.0.
IDC VIII 09 07 57 32.1–6.2 15.07S 167.17E 252–65 3.9,3.8
¶601765687
IDC Error ellipse: s-maj=60.1km s-min=30.1km az=171.0.
ISC VIII 09 11 38 03.3–.95 13.44S–.09 167.0E–.20 200 4.0b 16 9-119
ISCJB VIII 09 11 38 02.2–.88 13.36S–.07 167.0E–.20 200 3.9b **¶601765697**
IDC VIII 09 11 38 03.3–2.4 13.48S 167.05E 200–22 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=9.3km az=0.3.
IDC Error ellipse: s-maj=25.3km s-min=16.0km az=123.0.
ISC VIII 09 19 49 54.8–.77 17.73S–.08 168.4E–.10 93 4.2b 16 5-157
ISCJB VIII 09 19 49 53.8–.70 17.74S–.07 168.3E–.10 93 4.1b **¶601734860**
IDC VIII 09 19 49 55.4–3.1 17.65S 168.38E 97–28 4.3,4.1
NEIC VIII 09 19 49 55.4–1.6 17.66S 168.38E 97–14 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.2km az=5.2.
IDC Error ellipse: s-maj=26.2km s-min=16.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.6km az=70.0.
ISC VIII 10 00 33 10.2–.60 14.23S–.05 167.31E–.05 215–5 4.8b 424 8-172
IDC VIII 10 00 33 06.0–1.4 14.27S 167.42E 179–10 5.0,4.6 **¶601534312**
MOS VIII 10 00 33 08.5–1.1 13.93S 166.97E 196 5.0b,4.6
BJI VIII 10 00 33 09.2 13.89S 167.45E 214 4.9b,4.9b
ISCJB VIII 10 00 33 10.4–.99 14.20S–.04 167.23E–.04 231–9 4.7b,4.9b
NEIC VIII 10 00 33 10.3–.73 14.19S 167.29E 217–7 4.7b,4.9b
GCMT VIII 10 00 33 10.3–.30 14.23S–.03 167.07E–.02 201–2 5.0W,4.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Port-Vila.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s73,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-0.65±.15; $M_{\phi\phi}$-2.66±.15; $M_{r\theta}$0.33±.14; $M_{\theta\phi}$0.53±.19; $M_{\theta r}$1.53±.14; Best double couple: NP1:ϕ_s356.00000°,δ58.00000°,λ99.00000°. NP2:ϕ_s159.00000°,δ33.00000°,λ75.00000°. Principal axes: T 3.7240,Plg75.0000° ,Azm293.0000°; N -0.6130,Plg8.0000°,Azm171.0000°; P -3.1090,Plg13.0000°,Azm79.0000° M_o3.41600×10^{16}
ISC VIII 10 15 19 26.3–.62 19.25S–.10 168.8E–.10 42 4.3b,3.6s 38 4-166
BJI VIII 10 15 19 23.0 19.30S 168.70E 25 5.0b,4.7b **¶601541972**
IDC VIII 10 15 19 27.1–4.1 19.13S 168.72E 44–38 4.3,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=18.1km az=68.0.
ISC VIII 12 09 04 15.5–.49 19.00S–.07 168.75E–.10 35 4.5b,3.5s 106 4-166
IDC VIII 12 09 04 09.3–.94 19.03S 168.90E 0 4.5,4.5L **¶601554360**
ISCJB VIII 12 09 04 13.6–.40 18.99S–.06 168.71E–.08 35 4.5b,3.5s
NEIC VIII 12 09 04 16.9–1.5 19.05S 168.79E 54–12 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=19.2km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=34.8.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.4km az=111.0.
ISC VIII 15 13 51 14.4–1.2 16.5S–.10 167.9E–.20 35 4.0b 14 6-122
IDC VIII 15 13 51 10.6–1.5 16.38S 167.71E 0 4.1,3.9 **¶601652988**
NEIC VIII 15 13 51 22.9–3.2 17.05S 167.80E 108–28 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=26.7km az=130.0.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=18.4km az=183.0.
ISC VIII 17 15 56 58.2–.92 15.61S–.09 167.8E–.20 124 4.3b 25 7-152
ISCJB VIII 17 15 56 56.9–.94 15.59S–.06 167.7E–.20 124 4.2b **¶601765997**
IDC VIII 17 15 56 58.6–3.6 15.63S 167.70E 123–35 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.9km s-min=8.6km az=5.0.
IDC Error ellipse: s-maj=25.8km s-min=22.7km az=131.0.
ISC VIII 18 22 15 33.6–1.2 14.7S–.10 166.9E–.20 67 3.6b 9 7-151
ISCJB VIII 18 22 15 31.9–1.5 14.74S–.09 166.8E–.20 67 3.7b **¶601766117**
IDC VIII 18 22 15 31.9–7.0 14.64S 166.86E 49–69 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=12.3km az=171.2.
IDC Error ellipse: s-maj=55.4km s-min=30.3km az=171.0.
ISC VIII 22 02 10 13.9–.70 15.79S–.08 167.7E–.10 150 4.4b 46 6-166
IDC VIII 22 02 10 11.2–4.9 15.71S 167.79E 126–44 4.4,4.1 **¶601741058**
ISCJB VIII 22 02 10 12.8–.78 15.79S–.06 167.6E–.10 150 4.4b,4.1
NEIC VIII 22 02 10 12.8–2.3 15.69S 167.71E 140–19 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=25.0km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=9.1km az=176.2.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.0km az=188.0.

ISC VIII 25 13 11 08.5–.50 13.76S–.06 166.57E–.09 43 4.4b 53 8-165
IDC VIII 25 13 11 01.9–.68 13.77S 166.79E 0 4.7L,4.3 **¶601645490**
ISCJB VIII 25 13 11 06.6–.45 13.84S–.05 166.61E–.08 43 4.2b,3.6s
NEIC VIII 25 13 11 09.6–1.4 13.80S 166.62E 55–12 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=16.3km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.4km az=173.1.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.3km az=67.0.
ISC VIII 25 22 24 20.0–.60 13.65S–.10 167.2E–.10 250 4.0b 33 8-166
ISCJB VIII 25 22 24 18.7–.71 13.62S–.09 167.1E–.10 250 3.9b **¶601766467**
IDC VIII 25 22 24 18.1–2.4 13.60S 167.08E 227–21 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=12.4km az=7.6.
IDC Error ellipse: s-maj=17.4km s-min=12.4km az=115.0.
ISC VIII 27 15 02 53.5–.85 19.0S–.10 169.1E–.10 250 4.4b 19 4-125
ISCJB VIII 27 15 02 53.8–.86 19.1S–.10 169.0E–.10 250 4.6b **¶601628494**
NEIC VIII 27 15 02 53.4–1.2 19.09S 169.26E 258–12 4.3b
IDC VIII 27 15 02 53.2–6.7 19.05S 169.33E 257–69 4.7,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=13.6km az=30.4.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=12.3km az=146.0.
IDC Error ellipse: s-maj=157.1km s-min=42.3km az=171.0.
ISC VIII 28 08 27 48.6–.47 14.72S–.06 167.99E–.07 30 4.5b,3.5s 65 7-167
IDC VIII 28 08 27 43.5–.61 14.71S 167.99E 0 4.8L,4.4 **¶601702752**
ISCJB VIII 28 08 27 47.4–.34 14.77S–.04 167.82E–.05 30 4.4b,3.5s
NEIC VIII 28 08 27 51.5–1.4 14.70S 167.84E 54–13 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=15.9km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.1km az=158.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.9km az=54.0.
IDC VIII 28 08 34 46.5–14 15.04S 167.04E 0 4.0,3.8
¶601755504
IDC Error ellipse: s-maj=245.2km s-min=39.3km az=65.0.
ISC VIII 29 00 19 38.1–.79 14.81S–.09 167.3E–.20 129 4.1b 19 7-120
ISCJB VIII 29 00 19 36.6–.64 14.85S–.07 167.3E–.10 129 3.9b **¶601670363**
IDC VIII 29 00 19 39.9–3.4 14.87S 167.30E 143–30 4.2,3.9
NEIC VIII 29 00 19 41.0–2.2 14.85S 167.29E 155–20 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=9.8km az=2.5.
IDC Error ellipse: s-maj=20.8km s-min=16.9km az=88.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=15.2km az=100.0.
IDC VIII 29 11 50 05.6–18 18.04S 169.78E 181–107 4.1,3.8
¶601755556
IDC Error ellipse: s-maj=217.4km s-min=33.7km az=30.0.
ISC VIII 29 13 34 30.2–.38 17.65S–.04 168.37E–.05 104–2 5.0b 300 5-166
ISCJB VIII 29 13 34 29.5–1.1 17.65S–.03 168.31E–.03 106–9 4.9b **¶601643075**
BJI VIII 29 13 34 29.6 17.83S 168.29E 105 5.1b,4.6b
MOS VIII 29 13 34 30.0–1.1 17.64S 168.33E 112 4.9b,4.6b
NEIC VIII 29 13 34 30.2–.14 17.61S 168.33E 103 5.1b,4.6b
IDC VIII 29 13 34 30.0–.50 17.63S 168.34E 100–4 4.8,4.6
GCMT VIII 29 13 34 33.2–.10 17.69S–.01 168.19E–.01 109–0 5.5W,4.6
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Port-Vila.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c191; s126,c256;Duration: 1ŝ3
Moment tensor: Scale 10^{17}Nm; M_{rr}0.28±.02 $M_{\theta\theta}$1.06±.02; $M_{\phi\phi}$-1.34±.02; $M_{r\theta}$-0.85±.02; $M_{\theta\phi}$1.42±.02; $M_{\theta r}$-0.46±.02; Best double couple: NP1:ϕ_s197.00000°,δ73.00000°,λ159.00000°. NP2:ϕ_s293.00000°,δ70.00000°,λ18.00000°. Principal axes: T 2.2040,Plg27.0000° ,Azm155.0000°; N -0.2080,Plg63.0000°,Azm339.0000°; P -2.0010,Plg2.0000° ,Azm246.0000° M_o2.10200×10^{17}
ISC VIII 29 20 53 54.6–.00 15.05S–.10 166.7E–.20 57 3.8b 14 7-120
IDC VIII 29 20 53 46.6–1.0 14.82S 166.82E 0 4.0,3.8L **¶601755580**
NEIC VIII 29 20 53 51.7–.82 14.91S 166.83E 35 4.4b,3.8L
ISCJB VIII 29 20 53 53.4–1.2 15.16S–.09 166.7E–.20 57 4.0s,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 30 14 58 28.0–13 16.88S 167.09E 0 4.2,4.1
¶601755626
IDC Error ellipse: s-maj=229.9km s-min=36.4km az=68.0.
IDC VIII 31 00 35 35.8–14 14.60S 166.09E 0 4.4L,4.2
¶601755644
IDC Error ellipse: s-maj=244.9km s-min=37.5km az=58.0.
IDC IX 01 16 10 00.3–1.9 13.24S 166.77E 0 3.9,3.7
¶601862728
IDC Error ellipse: s-maj=53.2km s-min=35.7km az=123.0.
ISC IX 02 08 13 27.7–.46 19.18S–.07 169.34E–.08 150 4.5b 91 4-148
ISCJB IX 02 08 13 26.9–.25 19.13S–.04 169.22E–.05 150 4.5b **¶601670445**
IDC IX 02 08 13 29.0–.74 19.23S 169.23E 166–6 4.4,4.1
NEIC IX 02 08 13 31.2–1.6 19.18S 169.22E 181–14 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=30.4.
IDC Error ellipse: s-maj=13.1km s-min=10.0km az=130.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=212.0.
ISC IX 02 09 40 18.4–.70 18.8S–.10 169.4E–.10 246 4.0b 20 4-147
ISCJB IX 02 09 40 17.1–.58 18.81S–.10 169.4E–.10 246 3.8b **¶601672857**
IDC IX 02 09 40 19.8–2.6 18.86S 169.36E 257–24 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=13.5km az=13.4.
IDC Error ellipse: s-maj=17.4km s-min=14.4km az=55.0.
ISC IX 03 22 25 56.8–.63 17.75S–.08 167.3E–.10 19 4.2b,3.5s 37 4-165
IDC IX 03 22 25 53.9–.77 17.71S 167.31E 0 4.8L,4.5 **¶601674430**
ISCJB IX 03 22 25 55.3–.51 17.72S–.07 167.18E–.09 19 4.2b,3.5s
NEIC IX 03 22 25 55.1–.38 17.69S 167.32E 10 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=19.8km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.3km az=169.2.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.9km az=87.0.
ISC IX 05 22 10 42.6–.76 13.42S–.08 167.12E–.10 170–5 4.4b 75 8-153
IDC IX 05 22 10 41.0–1.8 13.48S 167.20E 157–12 4.6,4.2 **¶601676710**
ISCJB IX 05 22 10 44.2–1.4 13.45S–.07 167.04E–.08 198–12 4.2b,4.2
NEIC IX 05 22 10 45.7–1.5 13.47S 167.06E 198–14 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=12.9km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=10.5km az=14.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.4km az=71.0.
ISC IX 05 23 11 11.8–1.3 14.7S–.10 166.7E–.30 28 4.0b 7 7-97
IDC IX 05 23 11 07.4–1.2 14.54S 166.67E 0 4.1,3.9b **¶601863010**
ISCJB IX 05 23 11 10.1–1.2 14.75S–.08 166.7E–.20 28 4.0s,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 07 00 52 41.2–.32 14.34S–.05 167.33E–.07 170 4.6b 258 8-166
BJI IX 07 00 52 38.9 14.05S 167.96E 171 5.0b,4.7b **¶604029789**
ISCJB IX 07 00 52 39.8–.21 14.39S–.05 167.29E–.05 170 4.5b,4.7b
IDC IX 07 00 52 40.9–1.4 14.40S 167.41E 169–11 4.7,4.4
NEIC IX 07 00 52 40.3–.48 14.36S 167.37E 163–4 4.6b,4.4
MOS IX 07 00 52 43.0–1.1 14.35S 167.25E 196 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.3km az=141.3.
IDC Error ellipse: s-maj=14.2km s-min=10.0km az=124.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=146.0.
MOS Error ellipse: s-maj=10.5km s-min=9.1km az=178.6.
IDC IX 09 01 25 51.9–1.2 13.64S 167.77E 0 4.1,4.0
¶601863202
IDC Error ellipse: s-maj=53.1km s-min=24.1km az=125.0.
IDC IX 09 06 08 45.6–5.6 18.63S 169.53E 266–43 4.0,3.5
¶601863214
IDC Error ellipse: s-maj=85.7km s-min=56.4km az=166.0.
IDC IX 09 15 29 15.1–6.2 13.12S 165.93E 0 3.8,3.5
¶601863242

IDC Error ellipse: s-maj=315.7km s-min=34.8km az=141.0.
IDC IX 09 23 33 10.8–12 17.99S 166.76E 0 3.9,3.8b ¶601863270
IDC Error ellipse: s-maj=212.3km s-min=37.1km az=65.0.
ISC IX 10 10 59 29.3–1.0 17.8S–.10 167.3E–.20 19 4.0b 10 4-89
IDC IX 10 10 59 26.5–1.2 17.70S 167.28E 0 4.2,4.0b **¶601863291**
ISCJB IX 10 10 59 27.7–.89 17.81S–.07 167.3E–.20 19 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 18 08 38.8–1.4 13.1S–.10 167.0E–.20 180 4.1b 9 9-119
ISCJB IX 11 18 08 37.4–1.5 13.05S–.10 167.0E–.20 180 4.0b **¶601863367**
IDC IX 11 18 08 41.5–5.7 13.20S 167.05E 210–57 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=13.0km az=172.3.
IDC Error ellipse: s-maj=45.8km s-min=23.9km az=164.0.
ISC IX 12 15 05 09.9–.87 14.88S–.08 167.6E–.10 129 3.8b 19 7-126
ISCJB IX 12 15 05 08.4–.85 14.93S–.07 167.5E–.10 129 3.9b **¶601863418**
IDC IX 12 15 05 11.1–2.7 14.91S 167.48E 140–22 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.2km az=158.7.
IDC Error ellipse: s-maj=22.0km s-min=13.7km az=65.0.
ISC IX 15 07 29 32.7–1.0 13.37S–.09 167.1E–.20 200 3.7b 15 9-119
ISCJB IX 15 07 29 32.0–1.0 13.31S–.08 166.9E–.20 200 3.6b **¶601863576**
IDC IX 15 07 29 34.3–2.8 13.49S 167.04E 214–23 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.5km s-min=10.6km az=176.2.
IDC Error ellipse: s-maj=25.5km s-min=21.5km az=106.0.
ISC IX 16 08 29 20.0–1.1 14.9S–.10 167.4E–.20 129 3.7b 11 7-120
ISCJB IX 16 08 29 18.9–.89 14.87S–.08 167.4E–.20 129 3.6b **¶601719486**
IDC IX 16 08 29 20.2–4.8 14.85S 167.37E 127–41 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=11.4km az=178.8.
IDC Error ellipse: s-maj=32.4km s-min=25.4km az=34.0.
IDC IX 17 11 43 51.2–15 17.35S 169.14E 0 3.8,3.7 ¶601863708
IDC Error ellipse: s-maj=242.2km s-min=59.7km az=74.0.
ISC IX 17 21 15 44.7–.42 14.87S–.04 167.41E–.06 143–3 4.9b 413 7-169
IDC IX 17 21 15 44.4–.57 14.87S 167.44E 141–4 5.0,4.7 **¶601721790**
MOS IX 17 21 15 45.3–1.1 14.91S 167.25E 155 4.8b,4.7
NEIC IX 17 21 15 46.1–1.2 14.87S 167.40E 155–10 5.0b,4.7
ISCJB IX 17 21 15 46.1–1.1 14.94S–.03 167.34E–.04 165–9 4.8b,4.7
BJI IX 17 21 15 46.3 14.24S 167.27E 141 5.0b,4.9b
GCMT IX 17 21 15 47.1–.20 14.86S–.02 167.20E–.02 149–2 5.1W,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c42; s99,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.26±.14 $M_{\theta\theta}$-0.04±.19; $M_{\phi\phi}$-4.22±.17; $M_{r\theta}$-2.75±.14; $M_{\theta\phi}$2.79±.17; $M_{\phi r}$-0.39±.14; Best double couple: NP1:ϕ_s306.00000°,δ57.00000°,λ54.00000°. NP2:ϕ_s180.00000°,δ47.00000°,λ133.00000°. Principal axes: T 5.8660,Plg59.0000° ,Azm161.0000°; N -0.1600,Plg30.0000°,Azm328.0000°; P -5.7020,Plg6.0000°,Azm61.0000° M_o5.78400×10^{16}
ISC IX 18 19 13 34.0–.81 19.1S–.10 169.2E–.10 250 3.8b 35 4-167
IDC IX 18 19 13 32.3–1.8 18.86S 169.17E 226–16 4.2,3.7 **¶601863773**
ISCJB IX 18 19 13 33.1–.86 19.0S–.10 169.2E–.10 250 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 18 20 46 48.6–3.1 20.5S–.40 169.1E–.40 31 3.9b 15 3-146
NEIC IX 18 20 46 43.9–2.5 20.54S 169.35E 10 4.1b **¶601842087**
IDC IX 18 20 46 45.4–3.5 20.10S 168.91E 0 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=72.2km s-min=19.9km az=140.0.
IDC Error ellipse: s-maj=98.9km s-min=33.5km az=135.0.
ISC IX 19 00 15 09.5–.54 20.27S–.07 169.02E–.08 35 4.3b,3.8s 56 3-149
BJI IX 19 00 15 04.5 20.45S 169.45E 26 4.9b,4.8b **¶601725131**
IDC IX 19 00 15 04.5–.76 20.15S 169.04E 0 4.4,4.2
ISCJB IX 19 00 15 08.3–.44 20.20S–.05 168.91E–.06 35 4.3b,3.9s
NEIC IX 19 00 15 10.2–2.3 20.13S 168.94E 39–19 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=19.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=152.4.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.6km az=217.0.
IDC IX 21 00 48 57.0–8.9 14.20S 167.17E 136–80 3.8,3.6 ¶601863930
IDC Error ellipse: s-maj=68.6km s-min=43.8km az=171.0.
IDC IX 22 13 28 37.0–5.2 20.24S 169.55E 123–62 3.7,3.6 ¶601863994
IDC Error ellipse: s-maj=169.3km s-min=31.7km az=161.0.
ISC IX 22 20 22 34.3–1.9 14.9S–.10 165.9E–.30 35 4.0b 12 7-97
IDC IX 22 20 22 29.6–3.1 14.71S 165.82E 0 4.3b,4.2 **¶601851705**
ISCJB IX 22 20 22 32.3–1.7 15.0S–.10 165.9E–.20 33 4.3b,4.2
NEIC IX 22 20 22 37.7–2.4 15.02S 166.03E 72–10 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=66.1km s-min=40.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=11.6km az=157.9.
NEIC Event type se. Error ellipse: s-maj=52.8km s-min=14.1km az=50.0.
IDC IX 23 00 02 11.8–8.5 13.13S 167.05E 250–92 3.8,3.4 ¶601864018
IDC Error ellipse: s-maj=76.5km s-min=28.7km az=160.0.
IDC IX 23 06 45 58.4–7.1 18.43S 168.76E 115–62 4.0,3.8 ¶601864030
IDC Error ellipse: s-maj=77.3km s-min=48.3km az=150.0.
ISC IX 23 23 50 50.7–.48 20.38S–.08 169.30E–.08 55 4.3b 74 3-148
NEIC IX 23 23 50 48.5–.46 20.26S 169.38E 35 4.4b **¶601739415**
ISCJB IX 23 23 50 49.8–.49 20.46S–.07 169.20E–.07 55 4.4b,3.6s
IDC IX 23 23 50 50.1–.78 20.37S 169.28E 43–5 4.4,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=10.1km az=198.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=4.1.
IDC Error ellipse: s-maj=17.5km s-min=16.3km az=73.0.
ISC IX 24 15 12 35.5–1.2 13.1S–.10 167.1E–.20 250 3.7b 11 9-124
ISCJB IX 24 15 12 34.3–1.4 13.01S–.10 167.0E–.20 250 3.6b **¶601864101**
IDC IX 24 15 12 35.2–5.2 12.97S 166.95E 244–49 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=13.0km az=173.0.
IDC Error ellipse: s-maj=52.3km s-min=25.1km az=158.0.
ISC IX 25 18 20 17.6–.84 14.61S–.09 167.4E–.20 170 3.8b 18 7-166
ISCJB IX 25 18 20 16.5–.80 14.60S–.07 167.3E–.20 170 3.8b **¶601864162**
IDC IX 25 18 20 18.7–3.3 14.65S 167.33E 178–29 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=9.5km az=0.9.
IDC Error ellipse: s-maj=23.0km s-min=18.5km az=93.0.
ISC IX 26 04 41 41.8–1.2 17.6S–.10 167.8E–.30 27 3.9b,3.4s 10 5-100
ISCJB IX 26 04 41 40.0–1.1 17.64S–.08 167.8E–.20 27 3.9b,3.4s **¶601864187**
IDC IX 26 04 41 43.2–7.0 17.57S 167.85E 38–57 4.0,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=10.6km az=8.0.
IDC Error ellipse: s-maj=37.0km s-min=30.3km az=53.0.
ISC X 04 04 04 32.7–.46 18.53S–.06 168.45E–.09 100 4.6b 104 4-166
IDC X 04 04 04 29.4–3.1 18.49S 168.60E 75–26 4.6,4.4 **¶601782839**
ISCJB X 04 04 04 31.5–.32 18.50S–.04 168.38E–.06 100 4.6b,4.4
NEIC X 04 04 04 31.2–2.8 18.45S 168.48E 87–4 4.8b,4.4
BJI X 04 04 04 31.6 18.19S 168.83E 96 5.1b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=14.5km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=161.2.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=16.2km az=80.0.
ISC X 04 09 23 38.1–1.2 16.90S–.07 167.2E–.20 25 4.3b,3.2s 26 5-84
IDC X 04 09 23 34.1–2.1 16.81S 167.28E 0 4.4,4.3 **¶601833124**
ISCJB X 04 09 23 36.3–.80 16.89S–.06 167.1E–.10 25 4.2b,3.2s
NEIC X 04 09 23 39.7–1.1 16.91S 167.19E 38–10 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=53.9km s-min=22.7km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=8.0km az=176.7.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.8km az=87.0.
ISC X 04 22 07 17.4–1.6 18.6S–.20 168.3E–.40 100 9 4-146
ISCJB X 04 22 07 14.7–5.2 18.5S–.10 168.4E–.70 100 3.4b **¶601997068**
IDC X 04 22 07 18.1–7.9 18.69S 168.34E 110–74 4.0L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=92.3km s-min=17.1km az=5.3.
IDC Error ellipse: s-maj=81.2km s-min=49.8km az=160.0.
IDC X 07 21 41 09.2–1.9 14.76S 167.90E 0 3.9,3.7 ¶601997424
IDC Error ellipse: s-maj=59.4km s-min=32.1km az=128.0.
IDC X 07 22 43 53.5–1.6 19.75S 168.49E 0 4.1,3.9 ¶601997429
IDC Error ellipse: s-maj=73.7km s-min=23.6km az=142.0.
IDC X 10 09 56 25.0–4.0 14.28S 168.35E 0 3.8,3.5 ¶601997740
IDC Error ellipse: s-maj=206.9km s-min=28.9km az=146.0.
IDC X 10 14 36 17.6–13 14.93S 167.55E 0 4.2L,4.1 ¶601997769
IDC Error ellipse: s-maj=234.5km s-min=41.5km az=68.0.
ISC X 11 03 37 30.5–.67 14.80S–.07 167.4E–.10 129 4.3b 36 7-151
ISCJB X 11 03 37 29.1–.58 14.81S–.06 167.31E–.09 129 4.3b **¶601997835**
NEIC X 11 03 37 29.6–2.0 14.73S 167.37E 120–18 4.4b
IDC X 11 03 37 30.5–4.6 14.84S 167.34E 123–39 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.5km az=167.5.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.1km az=203.0.
IDC Error ellipse: s-maj=28.0km s-min=19.9km az=26.0.
IDC X 12 19 48 26.5–57 13.02S 167.85E 0 3.9,3.7 ¶601998043
IDC Error ellipse: s-maj=968.8km s-min=124.6km az=64.0.
IDC X 12 21 53 22.1–8.1 13.93S 167.62E 328–82 3.7,3.2 ¶601998054
IDC Error ellipse: s-maj=78.9km s-min=18.7km az=179.0.
ISC X 14 03 04 44.4–1.1 16.2S–.10 165.9E–.20 35 4.0b 11 6-121
IDC X 14 03 04 39.4–1.2 16.00S 165.86E 0 4.3,4.2b **¶601998174**
ISCJB X 14 03 04 42.4–1.0 16.25S–.08 165.9E–.20 33 3.9b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC X 15 07 49 01.5–.29 13.16S–.05 165.57E–.06 35 5.3b,3.9s 420 7-169
IDC X 15 07 48 55.9–.46 13.12S 165.54E 0 4.8,4.8 **¶601834078**
ISCJB X 15 07 49 00.0–.15 13.16S–.04 165.46E–.03 33 5.2b,4.0s
MOS X 15 07 49 00.4–.82 13.05S 165.42E 35 5.3b,4.0s
GCMT X 15 07 49 00.8–.30 13.10S–.03 165.49E–.02 18–0 4.9W,4.0s
BJI X 15 07 49 01.3 12.85S 166.03E 49 5.2s,5.1b
NEIC X 15 07 49 01.8–.11 13.11S 165.51E 35 5.3b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=13.6km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=175.2.
MOS Error ellipse: s-maj=9.8km s-min=8.4km az=69.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c43; s79,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.69±.16 $M_{\theta\theta}$-0.27±.11; $M_{\phi\phi}$2.97±.12; $M_{r\theta}$-0.57±.31; $M_{\theta\phi}$0.66±.08; $M_{\phi r}$0.33±.23; Best double couple: NP1:ϕ_s177.00000°,δ49.00000°,λ-109.00000°. NP2:ϕ_s25.00000°,δ45.00000°,λ-70.00000°. Principal axes: T 3.1060,Plg2.0000° ,Azm281.0000°; N -0.2440,Plg14.0000°,Azm190.0000°; P -2.8560,Plg76.0000° ,Azm19.0000° M_o2.98100×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=143.0.
IDC X 16 08 28 04.9–1.9 17.26S 167.32E 0 4.0,3.8 ¶601998482
IDC Error ellipse: s-maj=52.8km s-min=30.6km az=128.0.
ISC X 17 11 48 19.3–.95 19.9S–.20 169.5E–.20 84 3.9b 13 4-145
ISCJB X 17 11 48 17.6–.91 20.0S–.20 169.6E–.20 84 3.8b **¶601998661**
IDC X 17 11 48 23.6–3.7 19.99S 169.43E 121–32 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.2km s-min=10.9km az=140.3.
IDC Error ellipse: s-maj=28.2km s-min=22.8km az=133.0.
IDC X 18 08 25 08.2–2.8 19.62S 169.75E 267–21 4.2,3.8 ¶601998776
IDC Error ellipse: s-maj=62.3km s-min=27.0km az=147.0.
IDC X 18 15 18 03.7–3.3 17.89S 166.86E 0 3.8,3.8 ¶601998820
IDC Error ellipse: s-maj=65.0km s-min=39.9km az=77.0.
ISC X 19 15 31 29.7–1.2 18.3S–.20 169.0E–.20 200 4.0b 11 4-96
ISCJB X 19 15 31 28.6–1.2 18.4S–.20 168.9E–.20 200 4.0b **¶601998951**
IDC X 19 15 31 32.2–3.0 18.73S 168.99E 226–33 4.4,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.2km s-min=16.3km az=40.2.
IDC Error ellipse: s-maj=50.0km s-min=20.8km az=148.0.
IDC X 20 14 57 41.6–2.5 14.06S 167.24E 0 4.2L,4.0 ¶601999055
IDC Error ellipse: s-maj=55.0km s-min=42.4km az=113.0.
ISC X 20 23 00 32.9–.36 13.57S–.03 166.61E–.03 44–2 6.1s,6.0b 1415 8-169
ISCJB X 20 23 00 29.8–1.0 13.54S–.02 166.54E–.02 26–7 6.1s,5.9b **¶601874182**
BJI X 20 23 00 30.0 13.56S 166.64E 35 6.3b,6.1s
MOS X 20 23 00 30.4–.95 13.53S 166.52E 33 6.1b,6.0s
NEIC X 20 23 00 32.5–.11 13.55S 166.56E 36 6.2,6.2W
NEIC X 20 23 00 32.0–.00 13.37S 166.49E 40 6.2,6.2W
IDC X 20 23 00 33.2–1.5 13.60S 166.64E 50–12 6.0,6.0s
GCMT X 20 23 00 35.5–.10 13.52S 166.51E 47–0 6.2W,6.0s
NEIC X 20 23 00 55.9–.00 13.33S 166.30E 45 6.2W,6.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=14.5.
MOS Error ellipse: s-maj=6.9km s-min=5.8km az=113.6.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=146.0. Felt at Sola. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.08 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.55 $M_{r\theta}$-0.45 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.32 Best double couple: NP1:ϕ_s218.00000°,δ32.00000°,λ125.00000°. NP2:ϕ_s358.00000°,δ65.00000°,λ71.00000°. Principal axes: T 2.3100,Plg65.0000° ,Azm234.0000°; N -0.2100,Plg18.0000°,Azm7.0000°; P -2.1000,Plg17.0000°,Azm102.0000° M_o2.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s231.00000°,δ48.00000°,λ153.00000°. NP2:ϕ_s340.00000°,δ70.00000°,λ45.00000°. Principal axes: T Plg45.0000°,Azm205.0000°; N Plg0.0000°,Azm0.0000°; P Plg13.0000° ,Azm101.0000°
NEIC Event type se. Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}1.82 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.69 $M_{r\theta}$-0.55 $M_{\theta\phi}$-1.02 $M_{\phi r}$1.84 Best double couple: NP1:ϕ_s360.00000° ,δ68.00000°,λ65.00000°. NP2:ϕ_s230.00000°,δ32.00000°,λ136.00000°. Principal axes: T 2.8900,Plg59.0000°,Azm234.0000°; N -0.1900,Plg22.0000°,Azm9.0000° ; P -2.7000,Plg19.0000°,Azm107.0000° M_o2.80000×10^{18}
IDC Error ellipse: s-maj=9.0km s-min=8.8km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c334; s135,c505; Duration: 3^2 Moment tensor: Scale 10^{18}Nm; M_{rr}1.71±.01 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$-1.89±.01; $M_{r\theta}$-0.74±.01; $M_{\theta\phi}$-1.04±.01; $M_{\phi r}$1.62±.02; Best double couple: NP1:ϕ_s354.00000°,δ67.00000° ,λ60.00000°. NP2:ϕ_s230.00000°,δ37.00000°,λ140.00000°. Principal axes: T 2.7860,Plg57.0000°,Azm224.0000°; N -0.0860,Plg27.0000°,Azm6.0000° ; P -2.6990,Plg17.0000°,Azm106.0000° M_o2.74200×10^{18}
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}1.77 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.74 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s231.00000° ,δ48.00000°,λ133.00000°. NP2:ϕ_s357.00000°,δ57.00000°,λ53.00000°. Principal axes: T 2.3700,Plg59.0000°,Azm211.0000°; N 0.1700,Plg30.0000°,Azm19.0000° ; P -2.5300,Plg5.0000°,Azm112.0000° M_o2.50000×10^{18}
IDC X 20 23 19 45.6–5.0 13.85S 166.15E 55–31 4.0,4.0L ¶601999095
IDC Error ellipse: s-maj=72.2km s-min=23.6km az=59.0.
ISC X 20 23 35 14.3–.88 13.6S–.10 166.7E–.10 39 3.8b 15 8-119
ISCJB X 20 23 35 12.3–.81 13.6S–.10 166.66E–.09 39 3.8b **¶601861546**

NEIC X 20 23 35 14.0–.81 13.58S 166.75E 35 4.2b
IDC X 20 23 35 15.9–3.9 13.65S 166.70E 55–31 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.8km az=37.4.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=15.6km az=200.0.
IDC Error ellipse: s-maj=35.2km s-min=31.7km az=93.0.
ISC X 21 00 33 44.7–.63 13.63S–.09 166.7E–.10 39 4.2b 27 8-153
IDC X 21 00 33 38.3–.87 13.69S 166.81E 0 4.9L,4.4 **¶601861549**
ISCJB X 21 00 33 42.9–.55 13.65S–.07 166.57E–.08 39 4.2b,4.4
NEIC X 21 00 33 45.5–1.2 13.66S 166.64E 47–11 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=18.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=8.2km az=144.5.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.7km az=68.0.
IDC X 21 00 57 20.3–1.2 14.79S 166.78E 0 3.8,3.7
¶601999109
IDC Error ellipse: s-maj=38.2km s-min=28.9km az=114.0.
IDC X 21 01 09 56.4–8.2 17.30S 168.23E 128–107 4.0,3.8
¶601999110
IDC Error ellipse: s-maj=126.9km s-min=47.6km az=138.0.
IDC X 21 11 05 09.4–11 15.23S 166.67E 0 4.1,4.0b
¶601999156
IDC Error ellipse: s-maj=195.0km s-min=38.3km az=62.0.
IDC X 21 12 32 38.5–14 15.07S 167.15E 0 4.0,3.9
¶601999163
IDC Error ellipse: s-maj=245.1km s-min=40.2km az=65.0.
ISC X 21 15 16 32.3–1.4 17.8S–.10 168.4E–.30 10 4.0b 15 5-123
ISCJB X 21 15 16 30.8–1.4 17.79S–.10 168.4E–.20 10 4.0b,3.5s **¶601866980**
IDC X 21 15 16 31.1–1.7 17.56S 168.35E 0 4.2,4.1L
NEIC X 21 15 16 32.6–.72 17.58S 168.31E 10 4.2b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.9km s-min=11.1km az=15.4.
IDC Error ellipse: s-maj=54.3km s-min=25.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=11.2km az=122.0.
IDC X 21 21 04 05.8–18 14.99S 166.20E 0 4.1,4.0b
¶601999211
IDC Error ellipse: s-maj=316.5km s-min=44.1km az=55.0.
ISC X 21 21 11 42.7–.62 13.55S–.07 166.69E–.09 39 4.2b 49 8-153
ISCJB X 21 21 11 41.2–.58 13.65S–.07 166.56E–.08 39 4.4b **¶601999214**
NEIC X 21 21 11 43.9–1.7 13.66S 166.66E 50–14 4.5b
IDC X 21 21 11 43.7–3.1 13.66S 166.62E 47–26 4.6L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=8.8km az=151.9.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.1km az=102.0.
IDC Error ellipse: s-maj=24.5km s-min=17.8km az=86.0.
ISC X 21 22 52 04.2–.49 13.53S–.06 166.81E–.08 35 4.7b,3.7s 85 8-166
BJI X 21 22 52 00.0 13.40S 166.90E 10 4.9b,4.7b **¶601840556**
ISCJB X 21 22 52 02.1–.35 13.63S–.05 166.75E–.06 33 4.7b,3.6s
IDC X 21 22 52 04.7–2.7 13.55S 166.73E 36–19 4.7L,4.5
NEIC X 21 22 52 05.2–1.2 13.59S 166.80E 45–10 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=5.6.
IDC Error ellipse: s-maj=24.8km s-min=15.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.1km az=126.0.
IDC X 23 09 14 03.0–62 18.86S 169.70E 0 4.7,4.5
¶601999350
IDC Error ellipse: s-maj=1050.0km s-min=111.7km az=74.0.
ISC X 23 15 45 12.3–1.3 15.0S–.10 166.1E–.20 35 4.1b 12 7-131
ISCJB X 23 15 45 10.9–1.4 15.11S–.09 166.1E–.20 33 4.2b **¶601874203**
IDC X 23 15 45 10.4–11 15.17S 165.81E 0 4.2,4.2L
NEIC X 23 15 45 15.9–5.0 15.24S 166.22E 74–50 4.4b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=11.3km az=162.0.
IDC Error ellipse: s-maj=207.1km s-min=34.0km az=58.0.
NEIC Event type se. Error ellipse: s-maj=53.0km s-min=16.8km az=161.0.
ISC X 24 12 59 22.9–.90 17.46S–.07 167.5E–.20 19 4.3b,3.6s 23 5-97
IDC X 24 12 59 19.6–1.2 17.45S 167.56E 0 4.9L,4.3 **¶601882318**
ISCJB X 24 12 59 21.3–.64 17.42S–.07 167.4E–.10 19 4.2b,3.5s
NEIC X 24 12 59 25.2–.52 17.42S 167.50E 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=21.0km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=9.3km az=18.8.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.7km az=138.0.
IDC X 25 11 22 44.0–1.6 14.29S 166.81E 0 3.9,3.7
¶601999599
IDC Error ellipse: s-maj=60.8km s-min=32.7km az=121.0.
ISC X 26 01 19 33.2–.82 13.59S–.07 166.7E–.10 39 4.3b,3.7s 37 8-96
ISCJB X 26 01 19 31.3–.63 13.61S–.06 166.65E–.09 39 4.3b,3.6s **¶601851585**
IDC X 26 01 19 33.9–3.7 13.67S 166.76E 55–31 4.5L,4.3
NEIC X 26 01 19 35.1–1.8 13.56S 166.65E 58–15 4.2b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.4km az=170.0.
IDC Error ellipse: s-maj=32.9km s-min=21.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.2km az=101.0.
ISC X 27 00 40 27.3–1.5 13.5S–.10 166.5E–.20 39 3.7b 7 8-86
IDC X 27 00 40 21.8–1.8 13.51S 166.48E 0 4.0,3.8 **¶601999778**
ISCJB X 27 00 40 25.6–1.4 13.57S–.09 166.4E–.20 39 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 27 02 03 40.9–.73 14.42S–.08 167.4E–.10 170 3.9b 16 8-151
IDC X 27 02 03 43.4–2.5 14.49S 167.27E 193–22 4.1,3.7 **¶601999784**
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=16.4km az=92.0.
IDC X 28 02 27 31.4–2.4 18.35S 168.92E 0 4.0,3.7
¶601999885
IDC Error ellipse: s-maj=81.6km s-min=32.8km az=134.0.
ISC X 28 11 53 06.4–.60 15.10S–.07 168.2E–.10 36 4.4b 50 7-124
IDC X 28 11 53 01.0–.80 14.98S 168.20E 0 4.3,4.2 **¶601857774**
ISCJB X 28 11 53 05.6–.38 15.03S–.06 168.04E–.07 36 4.4b,3.7s
NEIC X 28 11 53 06.9–.32 14.98S 168.11E 35 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=18.6km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=8.0km az=27.3.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.2km az=134.0.
ISC X 28 19 49 45.3–2.9 18.8S–.20 168.7E–.50 147 3.7b 8 4-144
IDC X 28 19 49 46.5–4.4 19.03S 168.81E 164–38 4.1,3.8 **¶602000135**
ISC Event type ke.
IDC Error ellipse: s-maj=64.9km s-min=39.6km az=139.0.
IDC X 29 22 46 21.6–2.5 17.93S 168.24E 0 4.1,4.1L
¶602000374
IDC Error ellipse: s-maj=65.6km s-min=40.2km az=125.0.
IDC X 30 04 07 45.7–22 14.53S 165.75E 0 3.9,3.8b
¶602000422
IDC Error ellipse: s-maj=388.3km s-min=46.7km az=51.0.
IDC X 31 00 34 17.1–2.0 18.83S 168.21E 0 3.8,3.5
¶602000552
IDC Error ellipse: s-maj=56.2km s-min=30.9km az=134.0.
ISC XI 01 10 49 50.0–1.0 13.77S–.10 167.1E–.20 250 3.9b 13 8-166
ISCJB XI 01 10 49 48.9–1.1 13.68S–.09 167.0E–.20 250 3.6b **¶602388676**
IDC XI 01 10 49 49.9–4.5 13.82S 167.08E 246–41 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=11.6km az=175.2.
IDC Error ellipse: s-maj=30.4km s-min=26.5km az=7.0.
ISC XI 01 18 56 01.6–1.1 13.2S–.20 167.1E–.20 180 3.7b 10 30-152
IDC XI 01 18 55 55.8–17 13.10S 167.19E 130–147 3.9,3.7 **¶602388688**
ISCJB XI 01 18 56 00.2–1.1 13.2S–.20 167.1E–.20 180 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 02 22 40 01.0–8.2 13.46S 166.95E 184–79 4.3s,4.3
¶602388742
IDC Error ellipse: s-maj=65.9km s-min=38.0km az=161.0.

ISC XI 04 00 16 32.3–.54 14.85S–.04 167.35E–.05 138–4 4.9b 230 7-166
MOS XI 04 00 16 31.3–.92 14.81S 167.35E 146 4.8b **¶601870067**
IDC XI 04 00 16 31.5–.73 14.84S 167.38E 132–5 4.9,4.5
BJI XI 04 00 16 32.4 14.34S 167.27E 127 4.8b,4.6b
ISCJB XI 04 00 16 32.0–.95 14.86S–.03 167.37E–.04 151–9 4.8b,4.6b
NEIC XI 04 00 16 32.7–.67 14.83S 167.34E 142–6 4.9b,4.6b
GCMT XI 04 00 16 33.6–.30 14.68S–.02 167.11E–.02 129–2 5.1W,4.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Luganville.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c40; s79,c115;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.12 $M_{\theta\theta}$-0.04±.16; $M_{\phi\phi}$-0.27±.14; $M_{r\theta}$1.34±.10; $M_{\theta\phi}$5.39±.14; $M_{\phi r}$0.76±.10; Best double couple: NP1:ϕ_s92.00000°,δ82.00000°,λ14.00000°. NP2:ϕ_s360.00000°,δ76.00000°,λ172.00000°. Principal axes: T 5.6510,Plg16.0000° ,Azm316.0000°; N -0.0760,Plg74.0000°,Azm121.0000°; P -5.5750,Plg4.0000° ,Azm225.0000° M_o5.61300×10^{16}
ISC XI 04 23 05 44.6–.48 14.78S–.07 167.36E–.08 129 4.2b 33 7-166
ISCJB XI 04 23 05 43.1–.42 14.79S–.06 167.29E–.08 129 4.1b **¶602031631**
IDC XI 04 23 05 45.9–2.7 14.81S 167.36E 143–23 4.3,4.0
NEIC XI 04 23 05 46.7–.87 14.81S 167.35E 151–8 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=11.0.
IDC Error ellipse: s-maj=23.2km s-min=17.5km az=106.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.9km az=161.0.
ISC XI 05 09 10 59.1–1.7 15.3S–.10 167.5E–.20 124 3.8b 8 7-121
ISCJB XI 05 09 10 57.4–1.8 15.3S–.10 167.5E–.20 124 3.9b **¶602388854**
IDC XI 05 09 10 59.1–6.7 15.26S 167.53E 124–50 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.8km s-min=15.3km az=163.7.
IDC Error ellipse: s-maj=50.4km s-min=24.0km az=30.0.
ISC XI 05 09 26 39.1–1.3 17.86S–.09 168.9E–.20 35 4.4b,3.8s 21 5-96
IDC XI 05 09 26 33.8–1.6 17.82S 168.99E 0 4.5,4.5L **¶601891433**
NEIC XI 05 09 26 35.4–.67 17.81S 168.97E 10 4.3b,4.5L
ISCJB XI 05 09 26 37.6–.92 17.85S–.07 168.8E–.10 33 4.2b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 05 14 40 14.8–2.1 14.75S 167.23E 0 3.9,3.6
¶602388874
IDC Error ellipse: s-maj=48.7km s-min=32.0km az=112.0.
IDC XI 05 18 44 10.9–3.6 19.47S 169.69E 272–40 4.1,3.6
¶602388881
IDC Error ellipse: s-maj=108.9km s-min=38.3km az=154.0.
IDC XI 06 01 14 44.3–8.5 14.28S 166.81E 0 3.8,3.5
¶602388896
IDC Error ellipse: s-maj=423.3km s-min=35.1km az=143.0.
ISC XI 06 18 24 16.7–.58 13.79S–.08 167.1E–.10 200 4.1b 35 8-166
ISCJB XI 06 18 24 15.4–.57 13.74S–.06 167.1E–.10 200 4.0b **¶601877575**
IDC XI 06 18 24 18.6–1.7 13.88S 167.09E 217–15 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=8.5km az=1.9.
IDC Error ellipse: s-maj=16.4km s-min=11.3km az=116.0.
IDC XI 06 20 20 30.3–138 13.31S 166.94E 0 3.7,3.5
¶602388924
IDC Error ellipse: s-maj=2322.0km s-min=132.0km az=61.0.
IDC XI 07 12 52 26.6–4.8 15.74S 165.82E 0 4.1,3.9
¶602388961
IDC Error ellipse: s-maj=127.0km s-min=39.5km az=118.0.
IDC XI 07 20 33 55.3–13 18.25S 167.96E 0 3.9,3.7
¶602388986
IDC Error ellipse: s-maj=231.0km s-min=42.4km az=80.0.
ISC XI 08 02 49 41.1–.93 18.7S–.20 169.1E–.20 201 4.0b 13 4-144
ISCJB XI 08 02 49 40.4–.87 18.6S–.20 169.0E–.20 201 3.9b **¶602389012**
IDC XI 08 02 49 42.6–3.1 18.84S 169.11E 217–31 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.9km s-min=14.4km az=45.0.
IDC Error ellipse: s-maj=43.1km s-min=18.4km az=158.0.
ISC XI 08 03 23 36.0–.48 18.68S–.07 168.8E–.10 100 4.7b 103 4-158
IDC XI 08 03 23 34.8–3.2 18.69S 168.87E 88–27 5.0,4.9s **¶601880215**
ISCJB XI 08 03 23 35.0–.33 18.67S–.04 168.68E–.06 100 4.6b,4.9s
BJI XI 08 03 23 35.8 18.60S 168.60E 103 5.2b,4.7b
NEIC XI 08 03 23 36.7–1.8 18.65S 168.72E 104–15 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=13.4km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.4km az=171.7.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.2km az=48.0.
IDC XI 08 05 26 22.2–67 13.70S 166.34E 0 3.8,3.6b
¶602389018
IDC Error ellipse: s-maj=1125.0km s-min=118.3km az=63.0.
ISC XI 08 07 39 43.3–.40 14.71S–.04 167.20E–.05 104–3 5.0b 258 7-166
NEIC XI 08 07 39 42.9–.18 14.66S 167.19E 100 5.1b **¶601991548**
IDC XI 08 07 39 42.9–.48 14.72S 167.25E 101–3 4.9,4.5
MOS XI 08 07 39 42.4–.97 14.66S 167.19E 111 4.9b,4.5
ISCJB XI 08 07 39 42.4–1.1 14.68S–.03 167.18E–.04 112–10 4.9b,4.5
BJI XI 08 07 39 44.5 14.03S 167.35E 110 4.9b,4.8b
GCMT XI 08 07 39 44.8–.30 14.73S–.02 166.93E–.02 122–4 5.0W,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c25; s68,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.07±.21 $M_{\theta\theta}$1.12±.20; $M_{\phi\phi}$-1.06±.17; $M_{r\theta}$-3.31±.13; $M_{\theta\phi}$2.27±.19; $M_{\phi r}$1.11±.13; Best double couple: NP1:ϕ_s104.00000°,δ89.00000°,λ-54.00000°. NP2:ϕ_s195.00000°,δ36.00000°,λ-179.00000°. Principal axes: T 4.1280,Plg34.0000° ,Azm164.0000°; N 0.3270,Plg36.0000°,Azm284.0000°; P -4.4630,Plg35.0000°,Azm45.0000° M_o4.29500×10^{16}
ISC XI 09 11 40 09.2–1.1 14.0S–.10 167.1E–.20 200 4.2b 11 8-139
ISCJB XI 09 11 40 08.2–1.3 14.01S–.09 167.0E–.20 200 4.0b **¶602389089**
IDC XI 09 11 40 09.5–5.8 13.91S 167.04E 201–56 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.0km s-min=12.2km az=176.8.
IDC Error ellipse: s-maj=56.0km s-min=25.7km az=154.0.
ISC XI 09 13 29 23.7–1.4 13.56S–.09 166.6E–.20 39 4.0b,3.5s 12 8-95
IDC XI 09 13 29 18.2–1.6 13.46S 166.66E 0 4.2,4.0 **¶601906731**
ISCJB XI 09 13 29 22.1–1.2 13.61S–.08 166.5E–.10 39 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 09 14 35 37.3–2.7 18.8S–.20 168.7E–.40 37 4.0b 7 4-125
IDC XI 09 14 35 31.1–2.7 18.44S 168.68E 0 4.3,4.1 **¶602389098**
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=43.3km az=137.0.
IDC XI 09 15 48 53.6–10 15.80S 165.31E 0 4.0,3.8
¶602389101
IDC Error ellipse: s-maj=188.2km s-min=32.3km az=54.0.
ISC XI 10 10 57 22.5–1.2 13.95S–.10 167.1E–.20 250 3.7b 11 8-125
ISCJB XI 10 10 57 21.6–1.2 13.87S–.08 167.0E–.20 250 3.6b **¶602389145**
IDC XI 10 10 57 22.6–6.1 13.97S 167.02E 250–63 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.7km s-min=11.5km az=175.0.
IDC Error ellipse: s-maj=52.2km s-min=27.0km az=167.0.
ISC XI 10 23 46 02.9–.51 19.30S–.09 169.37E–.09 250 4.5b 67 4-167
BJI XI 10 23 45 48.8 18.70S 170.10E 161 5.1b,4.6b **¶601883921**
NEIC XI 10 23 45 58.8–2.1 19.20S 169.66E 219–18 4.6b,4.6b
ISCJB XI 10 23 46 01.9–.49 19.19S–.08 169.33E–.08 250 4.5b,4.6b
IDC XI 10 23 46 02.4–1.8 19.12S 169.33E 236–16 4.4,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.6km az=43.1.
IDC Error ellipse: s-maj=18.3km s-min=13.7km az=132.0.
ISC XI 11 06 22 54.3–1.6 16.9S–.10 167.3E–.30 18 4.0b 8 5-84

IDC XI 11 06 22 51.8–2.1 16.74S 167.24E 0 4.2,4.1 ¶602389203
ISCJB XI 11 06 22 52.6–1.5 16.96S–.08 167.3E–.20 18 3.9b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC XI 11 09 36 49.3–13 14.48S 165.57E 0 3.7,3.6 ¶602389212
IDC Error ellipse: s-maj=233.9km s-min=37.7km az=55.0.
ISC XI 12 18 24 31.9–1.1 13.82S–.09 166.3E–.20 43 3.8b 11 8-96
ISCJB XI 12 18 24 29.9–1.1 13.92S–.08 166.4E–.20 43 3.8b ¶602389301
IDC XI 12 18 24 31.7–3.4 13.81S 166.47E 46–31 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=9.5km az=167.7.
IDC Error ellipse: s-maj=36.1km s-min=26.2km az=111.0.
ISC XI 13 08 39 51.0–.75 14.68S–.08 166.6E–.20 35 4.2b 15 7-87
NEIC XI 13 08 39 47.5–.60 14.57S 166.56E 10 4.5b ¶602056707
ISCJB XI 13 08 39 49.3–.64 14.66S–.07 166.6E–.20 35 4.1b
IDC XI 13 08 39 55.2–6.0 15.09S 166.98E 92–58 3.8,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=12.3km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=10.4km az=2.7.
IDC Error ellipse: s-maj=38.1km s-min=32.7km az=157.0.
IDC XI 14 07 20 37.6–2.2 14.63S 166.36E 0 4.0,3.9 ¶602389380
IDC Error ellipse: s-maj=46.7km s-min=34.7km az=89.0.
ISC XI 14 13 33 10.9–.47 18.98S–.08 169.55E–.08 246 4.7b 179 4-167
ISCJB XI 14 13 33 10.0–.21 19.02S–.07 169.49E–.05 246 4.6b ¶601897598
IDC XI 14 13 33 13.1–1.7 19.01S 169.58E 265–15 4.8,4.3
NEIC XI 14 13 33 14.2–.58 19.04S 169.50E 277–6 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.3km az=155.7.
IDC Error ellipse: s-maj=15.9km s-min=13.3km az=178.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=169.0.
ISC XI 17 02 51 23.9–.26 15.01S–.03 167.48E–.03 129–1 5.4b 904 7-169
MOS XI 17 02 51 23.0–1.1 14.96S 167.42E 129 5.2b,4.7s ¶601909898
ISCJB XI 17 02 51 23.0–.77 15.03S–.02 167.39E–.02 130–7 5.2b,4.7s
NEIC XI 17 02 51 23.4–.08 14.99S 167.46E 123 5.7W,5.6W
BJI XI 17 02 51 23.7 14.54S 167.56E 125 5.5b,5.3b
IDC XI 17 02 51 24.2–.38 15.01S 167.48E 129–3 5.4,5.0
NEIC XI 17 02 51 24.0–.00 14.93S 167.22E 120 5.4,5.0
GCMT XI 17 02 51 24.4–.10 15.02S–.01 167.28E–.01 120–0 5.7W,5.0
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Luganville and Port-Olry. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}3.98 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-4.69 $M_{r\theta}$-0.50 $M_{\theta\phi}$-0.38 $M_{\phi r}$1.34 Best double couple: NP1:ϕ_s194.00000°,δ37.00000°,λ105.00000°. NP2:ϕ_s355.00000° ,δ54.00000°,λ79.00000°. Principal axes: T 4.2700,Plg78.0000°,Azm225.0000° ; N 0.6400,Plg9.0000°,Azm2.0000°; P -4.9100,Plg8.0000°,Azm93.0000° $M_0$4.60000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-3.35 $M_{r\theta}$-0.51 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s354.00000° ,δ48.00000°,λ75.00000°. NP2:ϕ_s196.00000°,δ44.00000°,λ106.00000°. Principal axes: T 3.0900,Plg78.0000°,Azm193.0000°; N 0.2900,Plg11.0000°,Azm4.0000° ; P -3.3800,Plg1.0000°,Azm94.0000° $M_0$3.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c217; s139,c326; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.57±.03 $M_{\theta\theta}$0.58±.04; $M_{\phi\phi}$-4.14±.04; $M_{r\theta}$-0.64±.03; $M_{\theta\phi}$-0.45±.05; $M_{\phi r}$0.84±.04; Best double couple: NP1:ϕ_s353.00000°,δ52.00000° ,λ74.00000°. NP2:ϕ_s198.00000°,δ41.00000°,λ109.00000°. Principal axes: T 3.8060,Plg76.0000°,Azm209.0000°; N 0.4610,Plg12.0000°,Azm3.0000° ; P -4.2600,Plg6.0000°,Azm94.0000° $M_0$4.03300×10^{17}
ISC XI 17 09 29 58.4–.80 19.0S–.10 169.3E–.10 250 3.5b 14 4-144
ISCJB XI 17 09 29 57.3–.75 18.95S–.09 169.4E–.10 250 3.4b ¶602389560
IDC XI 17 09 30 01.0–1.9 19.06S 169.09E 274–17 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=10.9km az=27.0.
IDC Error ellipse: s-maj=21.3km s-min=16.9km az=63.0.
IDC XI 17 19 53 01.5–7.2 16.49S 168.02E 170–64 3.9,3.5 ¶602389581
IDC Error ellipse: s-maj=64.3km s-min=37.7km az=2.0.
ISC XI 18 03 42 01.8–2.1 18.8S–.30 169.8E–.40 35 3.9b,3.4s 8 4-96
IDC XI 18 03 41 56.8–2.3 18.90S 169.78E 0 4.2L,4.1 ¶602389598
ISCJB XI 18 03 41 59.9–2.0 18.7S–.20 169.6E–.40 33 3.8b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 18 15 43 01.9–64 13.55S 166.42E 0 3.9,3.7 ¶602389614
IDC Error ellipse: s-maj=1076.0km s-min=111.0km az=63.0.
IDC XI 19 12 49 26.8–5.3 17.61S 168.11E 0 4.2,4.0 ¶602389670
IDC Error ellipse: s-maj=105.6km s-min=44.8km az=90.0.
IDC XI 26 05 14 40.5–2.8 14.37S 167.33E 0 4.0,3.8 ¶602390016
IDC Error ellipse: s-maj=131.2km s-min=44.6km az=142.0.
ISC XI 26 06 30 42.7–.53 13.62S–.07 166.5E–.10 39 4.3b,3.5s 33 8-153
IDC XI 26 06 30 36.3–.99 13.69S 166.65E 0 4.2,4.1b ¶602216520
ISCJB XI 26 06 30 40.7–.41 13.64S–.05 166.49E–.09 39 4.2b,3.4s
NEIC XI 26 06 30 45.1–1.4 13.73S 166.60E 68–14 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=20.7km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.1km az=2.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.0km az=118.0.
ISC XI 26 11 47 22.2–.93 18.8S–.10 169.4E–.10 246 3.8b 14 4-125
ISCJB XI 26 11 47 20.9–.87 18.9S–.10 169.4E–.10 246 3.9b ¶602390023
IDC XI 26 11 47 23.6–2.5 18.90S 169.35E 260–24 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=14.3km az=141.6.
IDC Error ellipse: s-maj=29.3km s-min=17.8km az=151.0.
ISC XI 26 15 52 57.3–.48 19.40S–.07 169.78E–.08 35 4.6b,3.8s 64 4-149
IDC XI 26 15 52 51.9–.76 19.44S 169.84E 0 4.5,4.5L ¶601994594
NEIC XI 26 15 52 53.3–.36 19.23S 169.74E 10 4.7b,4.5L
ISCJB XI 26 15 52 55.3–.38 19.41S–.06 169.75E–.06 33 4.6b,3.9s
GCMT XI 26 15 52 57.3–.40 19.40S–.02 169.85E–.04 12–1 4.8W,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c23; s63,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07±.18 $M_{\theta\theta}$2.18±.14; $M_{\phi\phi}$-0.11±.10; $M_{r\theta}$-0.81±.33; $M_{\theta\phi}$0.17±.08; $M_{\phi r}$-0.32±.35; Best double couple: NP1:ϕ_s79.00000°,δ56.00000°,λ-98.00000°. NP2:ϕ_s273.00000°,δ35.00000°,λ-78.00000°. Principal axes: T 2.3520,Plg11.0000° ,Azm175.0000°; N -0.0980,Plg7.0000°,Azm83.0000°; P -2.2580,Plg77.0000°,Azm323.0000° $M_0$2.30500×10^{16}
ISC XI 26 19 26 58.5–1.2 18.7S–.30 169.5E–.20 246 3.8b 9 4-144
ISCJB XI 26 19 26 57.8–1.2 18.6S–.20 169.3E–.20 246 3.8b ¶602390003
IDC XI 26 19 26 60.0–3.3 18.91S 169.53E 264–36 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.6km s-min=17.8km az=138.6.
IDC Error ellipse: s-maj=72.7km s-min=20.4km az=160.0.
IDC XI 27 13 47 50.5–3.5 19.67S 170.08E 281–47 3.6,3.2 ¶602390063
IDC Error ellipse: s-maj=180.6km s-min=33.8km az=154.0.
IDC XI 28 04 32 06.0–2.5 15.33S 167.43E 0 3.7L,3.6 ¶602390091
IDC Error ellipse: s-maj=56.1km s-min=46.5km az=113.0.
ISC XI 28 09 32 56.7–.77 15.33S–.08 167.6E–.20 124 4.0b 32 7-121
ISCJB XI 28 09 32 55.6–.57 15.35S–.06 167.5E–.10 124 4.2b ¶601994992
NEIC XI 28 09 32 55.9–2.1 15.30S 167.58E 114–19 4.4b
IDC XI 28 09 32 56.1–3.1 15.30S 167.53E 114–26 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=8.2km az=3.3.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.4km az=147.0.
IDC Error ellipse: s-maj=28.9km s-min=22.2km az=96.0.
IDC XI 28 11 05 49.5–5.2 18.49S 169.47E 261–49 3.9,3.4 ¶602390113
IDC Error ellipse: s-maj=99.0km s-min=41.7km az=163.0.
IDC XI 28 14 28 39.6–7.9 20.51S 169.25E 0 3.6,3.5 ¶602390123
IDC Error ellipse: s-maj=353.8km s-min=38.7km az=150.0.
IDC XI 28 21 33 20.9–4.6 13.63S 166.18E 0 3.9,3.7 ¶602390136
IDC Error ellipse: s-maj=89.3km s-min=35.1km az=72.0.
ISC XI 29 22 58 41.5–1.5 18.8S–.20 169.2E–.30 147 4.0b 10 4-144
ISCJB XI 29 22 58 41.0–1.8 18.7S–.20 169.0E–.30 147 4.0b ¶602390201
IDC XI 29 22 58 44.6–3.8 19.15S 169.22E 180–39 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.1km s-min=13.4km az=25.7.
IDC Error ellipse: s-maj=69.5km s-min=27.1km az=158.0.
IDC XI 30 21 51 42.7–2.3 18.17S 168.37E 0 3.9,3.6 ¶602390254
IDC Error ellipse: s-maj=72.2km s-min=33.4km az=133.0.
IDC XII 01 01 59 07.0–9.4 18.93S 169.99E 84–66 3.6,3.5 ¶602390261
IDC Error ellipse: s-maj=66.4km s-min=41.6km az=40.0.
ISC XII 02 00 54 23.2–.31 17.10S–.03 167.68E–.03 40–2 6.0b,6.0s 1443 5-167
ISCJB XII 02 00 54 21.7–.76 17.00S–.02 167.61E–.02 36–6 6.0s,5.9b ¶601995719
MOS XII 02 00 54 21.8–.92 16.95S 167.65E 33 6.2b,6.0s
BJI XII 02 00 54 21.9 17.04S 167.62E 30 6.2b,6.0s
IDC XII 02 00 54 22.7–1.7 17.02S 167.75E 33–12 5.7L,5.7
NEIC XII 02 00 54 22.7–.07 16.98S 167.65E 32 6.2W,6.1W
NEIC XII 02 00 54 23.0–.00 17.01S 167.42E 35 6.2W,6.1W
GCMT XII 02 00 54 26.7–.10 17.12S 167.45E 40–0 6.1W,6.1W
NEIC XII 02 00 54 46.9–.00 17.20S 167.67E 40 6.1W,6.1W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=176.0.
MOS Error ellipse: s-maj=6.5km s-min=5.8km az=112.7.
IDC Error ellipse: s-maj=10.6km s-min=9.2km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=137.0. Felt at Lamap and Port-Vila. Also felt at Noumea, New Caledonia. Apparent Stress 0.40 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.25 $M_{\theta\phi}$0.72 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s138.00000°,δ52.00000°,λ86.00000°. NP2:ϕ_s325.00000°,δ38.00000°,λ96.00000°. Principal axes: T 1.3000,Plg82.0000° ,Azm24.0000°; N 0.1100,Plg3.0000°,Azm141.0000°; P -1.4100,Plg7.0000°,Azm231.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s350.00000°,δ35.00000°,λ90.00000°. NP2:ϕ_s170.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm80.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000° ,Azm260.0000°
NEIC Event type se. Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$-0.68 $M_{r\theta}$0.17 $M_{\theta\phi}$0.95 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s135.00000° ,δ51.00000°,λ95.00000°. NP2:ϕ_s308.00000°,δ40.00000°,λ84.00000°. Principal axes: T 1.6200,Plg83.0000°,Azm77.0000°; N 0.1600,Plg3.0000°,Azm312.0000° ; P -1.7800,Plg5.0000°,Azm221.0000° $M_0$1.70000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c349; s150,c509; Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.70±.01 $M_{\theta\theta}$-0.91±.01; $M_{\phi\phi}$-0.78±.01; $M_{r\theta}$0.19±.01; $M_{\theta\phi}$1.07±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s138.00000°,δ51.00000° ,λ96.00000°. NP2:ϕ_s308.00000°,δ39.00000°,λ82.00000°. Principal axes: T 1.7520,Plg82.0000°,Azm83.0000°; N 0.2130,Plg5.0000°,Azm314.0000° ; P -1.9600,Plg6.0000°,Azm224.0000° $M_0$1.85600×10^{18}
NEIC Event type se. Moment Tensor Solution. s8 Moment tensor: Scale 10^{18}Nm; M_{rr}2.11 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.73 $M_{\theta\phi}$1.03 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s326.00000° ,δ38.00000°,λ106.00000°. NP2:ϕ_s126.00000°,δ54.00000°,λ78.00000°. Principal axes: T 2.2700,Plg77.0000°,Azm355.0000°; N -0.1000,Plg10.0000°,Azm133.0000° ; P -2.1700,Plg8.0000°,Azm225.0000° $M_0$2.20000×10^{18}
ISC XII 05 21 46 43.2–.78 17.85S–.09 168.6E–.10 100 4.0b 27 5-129
ISCJB XII 05 21 46 41.9–.59 17.87S–.06 168.5E–.10 100 4.0b ¶602077247
IDC XII 05 21 46 43.5–3.0 17.89S 168.56E 104–27 4.3,4.1
NEIC XII 05 21 46 44.5–1.4 17.86S 168.53E 112–12 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=8.2km az=18.3.
IDC Error ellipse: s-maj=25.2km s-min=20.7km az=120.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.8km az=78.0.
IDC XII 06 09 17 09.3–14 17.03S 167.20E 0 4.2L,4.1 ¶602390547
IDC Error ellipse: s-maj=241.4km s-min=38.8km az=68.0.
IDC XII 06 13 21 26.6–13 15.71S 165.79E 0 4.1L,4.0 ¶602390554
IDC Error ellipse: s-maj=231.9km s-min=35.5km az=56.0.
ISC XII 06 16 24 24.9–1.4 18.52S–.09 168.1E–.20 29 4.5b 21 4-77
IDC XII 06 16 24 19.0–5.2 18.42S 168.34E 0 4.4L,4.3 ¶602330243
ISCJB XII 06 16 24 23.5–1.0 18.49S–.07 168.0E–.10 29 4.4b,3.5s
NEIC XII 06 16 24 25.8–1.2 18.52S 168.12E 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=103.3km s-min=34.7km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=9.6km az=166.8.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=11.6km az=224.0.
ISC XII 07 00 46 08.2–.48 15.92S–.07 167.98E–.09 177 4.3b 48 6-166
ISCJB XII 07 00 46 07.2–.41 15.96S–.05 167.93E–.08 177 4.2b ¶602032139
IDC XII 07 00 46 07.5–2.0 15.95S 168.01E 167–16 4.5,4.1
NEIC XII 07 00 46 10.0–.97 16.04S 167.99E 191–9 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=8.4.
IDC Error ellipse: s-maj=18.6km s-min=12.3km az=79.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=8.3km az=146.0.
ISC XII 08 08 22 26.8–.41 18.17S–.06 167.10E–.09 20 4.7b,3.5s 98 4-165
ISCJB XII 08 08 22 25.6–.23 18.10S–.05 167.04E–.05 20 4.6b,3.5s ¶602037350
NEIC XII 08 08 22 29.1–.17 18.11S 167.10E 35 4.8b,3.5s
IDC XII 08 08 22 34.8–6.1 18.16S 167.06E 84–54 4.4,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.5km az=137.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=141.0.
IDC Error ellipse: s-maj=20.1km s-min=17.8km az=59.0.
ISC XII 08 21 46 08.4–.45 14.78S–.05 167.23E–.07 129 4.9b 111 7-166
ISCJB XII 08 21 46 07.0–.30 14.82S–.04 167.25E–.05 129 4.8b ¶602032206
IDC XII 08 21 46 06.8–.75 14.80S 167.31E 115–5 4.7,4.4
BJI XII 08 21 46 07.7 14.59S 167.17E 121 4.9b,4.6b
NEIC XII 08 21 46 07.0–.98 14.74S 167.28E 117–8 4.9b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.5km az=159.9.
IDC Error ellipse: s-maj=15.8km s-min=12.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=62.0.
ISC XII 10 06 32 09.3–.85 18.5S–.10 169.0E–.20 201 4.0b 13 13-101
ISCJB XII 10 06 32 08.0–.70 18.5S–.10 168.9E–.20 201 3.9b ¶602034571
IDC XII 10 06 32 10.5–6.9 18.49S 168.94E 210–68 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=14.4km az=164.0.
IDC Error ellipse: s-maj=25.7km s-min=18.0km az=38.0.
IDC XII 13 02 32 08.2–6.0 20.89S 170.55E 0 4.1,3.9b ¶602391224
IDC Error ellipse: s-maj=257.3km s-min=34.7km az=149.0.
IDC XII 13 09 39 28.6–1.6 17.70S 167.32E 0 3.9,3.8L ¶602391250
IDC Error ellipse: s-maj=52.6km s-min=28.4km az=135.0.
ISC XII 13 16 32 24.2–.49 14.58S–.06 167.62E–.08 200 4.5b 71 8-166
ISCJB XII 13 16 32 22.9–.39 14.57S–.05 167.44E–.07 200 4.4b ¶602090185
NEIC XII 13 16 32 26.2–1.1 14.63S 167.47E 219–10 4.6b
IDC XII 13 16 32 27.2–2.2 14.64S 167.46E 227–20 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.3km az=16.2.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=92.0.
IDC Error ellipse: s-maj=18.9km s-min=12.9km az=84.0.
IDC XII 14 03 47 19.9–2.2 18.93S 168.16E 0 4.1,4.0b ¶602391296

IDC Error ellipse: s-maj=71.1km s-min=28.1km az=123.0.
ISC XII 14 09 55 46.9–.47 19.19S–.08 169.72E–.08 35 4.6b,3.7s 70 4-147
IDC XII 14 09 55 41.3–.73 19.12S 169.75E 0 4.5,4.3 **¶602043511**
BJI XII 14 09 55 43.8 18.84S 169.44E 8 5.3b,4.9s
ISCJB XII 14 09 55 45.7–.37 19.19S–.05 169.58E–.07 35 4.5b,3.7s
NEIC XII 14 09 55 47.5–2.3 19.14S 169.58E 37–20 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=17.5km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.1km az=21.7.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.8km az=54.0.
IDC XII 14 11 08 48.8–14 14.51S 165.85E 0 3.8,3.7b
¶602391314
IDC Error ellipse: s-maj=239.0km s-min=37.3km az=57.0.
IDC XII 14 11 09 21.6–1.9 15.24S 168.36E 0 4.0,3.7
¶602391315
IDC Error ellipse: s-maj=53.6km s-min=28.1km az=120.0.
IDC XII 14 11 27 11.4–3.6 14.70S 166.91E 42–32 4.0L,3.8
¶602391318
IDC Error ellipse: s-maj=34.1km s-min=17.2km az=64.0.
IDC XII 14 23 01 57.4–8.7 14.20S 167.13E 152–79 3.9,3.6
¶602391351
IDC Error ellipse: s-maj=68.4km s-min=42.5km az=172.0.
ISC XII 16 15 41 34.6–1.2 13.38S–.09 166.4E–.20 39 3.7b 15 9-119
IDC XII 16 15 41 28.9–1.4 13.40S 166.55E 0 4.0,3.8 **¶602216198**
NEIC XII 16 15 41 30.5–.79 13.41S 166.44E 10 4.0b,3.8
ISCJB XII 16 15 41 32.9–1.4 13.42S–.08 166.4E–.20 39 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 17 01 29 37.6–14 16.88S 167.09E 0 4.3,4.1
¶602391516
IDC Error ellipse: s-maj=241.1km s-min=38.5km az=67.0.
ISC XII 18 23 56 57.6–.32 18.04S–.05 168.42E–.07 150 4.8b 286 4-167
BJI XII 18 23 56 52.4 17.95S 169.19E 140 5.1b,4.9b **¶602051535**
GCMT XII 18 23 56 55.7–.30 17.93S–.03 168.33E–.03 147–3 4.9W,4.9b
IDC XII 18 23 56 56.9–1.3 17.96S 168.35E 141–11 4.8,4.5
ISCJB XII 18 23 56 56.6–.18 17.99S–.04 168.36E–.04 150 4.7b,4.5
NEIC XII 18 23 56 57.7–.97 17.93S 168.39E 149–8 4.9b,4.5
MOS XII 18 23 56 57.8–1.2 17.91S 168.34E 162 4.7b,4.5
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s74,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.49±.12 $M_{\theta\theta}$-1.34±.15; $M_{\phi\phi}$-1.15±.16; $M_{r\theta}$-0.22±.11; $M_{\theta\phi}$1.74±.14; $M_{\phi r}$-1.50±.11; Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ118.00000°. NP2:ϕ_s291.00000°,δ41.00000°,λ52.00000°. Principal axes: T 3.1870,Plg64.0000° ,Azm117.0000°; N -0.0540,Plg24.0000°,Azm321.0000°; P -3.1330,Plg9.0000° ,Azm227.0000° $M_0$3.16000×10^{16}
IDC Error ellipse: s-maj=11.2km s-min=9.7km az=128.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.5km az=138.4.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=5.0km az=159.0. Felt at Port-Vila.
MOS Error ellipse: s-maj=26.5km s-min=11.7km az=122.2.
ISC XII 19 11 57 57.5–1.1 14.7S–.20 168.2E–.20 30 3.8b 8 8-98
IDC XII 19 11 57 53.0–1.4 14.58S 168.18E 0 4.2,4.0 **¶602391668**
ISCJB XII 19 11 57 55.8–1.0 14.8S–.10 168.2E–.20 30 4.0b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 19 20 14 39.3–.84 16.80S–.07 168.0E–.10 21 4.6b,3.8s 37 5-148
ISCJB XII 19 20 14 38.0–.76 16.82S–.06 167.9E–.10 21 4.6b,3.8s **¶602052565**
IDC XII 19 20 14 42.4–4.2 16.84S 167.94E 45–37 4.5,4.5L
NEIC XII 19 20 14 43.5–1.8 16.76S 167.90E 56–14 4.7b,4.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.3km az=2.2.
IDC Error ellipse: s-maj=28.2km s-min=21.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.6km az=93.0.
ISC XII 21 22 28 08.1–.19 14.36S–.03 167.28E–.03 198–1 6.0b 2275 8-169
BJI XII 21 22 28 06.5 14.40S 167.30E 200 6.8b,5.9b **¶602090225**
ISCJB XII 21 22 28 07.5–.57 14.33S–.02 167.26E–.01 202–5 5.9b,5.9b
IDC XII 21 22 28 07.7–.28 14.33S 167.36E 191–2 6.2,5.7
MOS XII 21 22 28 08.1–1.1 14.33S 167.26E 205 6.2b,5.7
NEIC XII 21 22 28 08.6–.07 14.34S 167.29E 201 6.7W,6.7W
NEIC XII 21 22 28 09.0–.00 14.28S 166.95E 210 6.7W,6.7W
GCMT XII 21 22 28 11.6–.00 14.31S 167.17E 199–0 6.7W,6.7W
NEIC XII 21 22 28 28.1–.00 14.31S 167.37E 198 6.7W,6.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=3.7.
IDC Error ellipse: s-maj=5.9km s-min=5.5km az=63.0.
MOS Error ellipse: s-maj=6.5km s-min=5.7km az=90.5.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=2.1km az=146.0. Felt at Sola. Moment Tensor Solution. s42 Moment tensor: Scale 10^{19}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.99 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.55 $M_{\phi r}$0.23 Best double couple: NP1:ϕ_s153.00000°,δ38.00000°,λ98.00000°. NP2: ϕ_s322.00000°,δ53.00000°,λ84.00000°. Principal axes: T 1.5000,Plg81.0000°,Azm202.0000° ; N -0.1300,Plg5.0000°,Azm326.0000°; P -1.3800,Plg8.0000°,Azm57.0000° $M_0$1.40000×10^{19}
NEIC Event type se. Moment Tensor Solution. s52 Moment tensor: Scale 10^{19}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.33 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s330.00000° ,δ49.00000°,λ73.00000°. NP2:ϕ_s175.00000°,δ43.00000°,λ108.00000°. Principal axes: T 1.2700,Plg77.0000°,Azm175.0000°; N -0.0700,Plg12.0000°,Azm341.0000° ; P -1.2000,Plg3.0000°,Azm72.0000° $M_0$1.20000×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c379; s140,c681; Duration: 5s4 Moment tensor: Scale 10^{19}Nm; M_{rr}1.30±.00 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-1.19±.01; $M_{r\theta}$-0.35±.00; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.10±.00; Best double couple: NP1:ϕ_s333.00000°,δ50.00000° ,λ74.00000°. NP2:ϕ_s178.00000°,δ42.00000°,λ109.00000°. Principal axes: T 1.3820,Plg77.0000°,Azm183.0000°; N -0.1110,Plg12.0000°,Azm344.0000° ; P -1.2750,Plg4.0000°,Azm75.0000° $M_0$1.32800×10^{19}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{19}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.35 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s177.00000° ,δ45.00000°,λ111.00000°. NP2:ϕ_s328.00000°,δ48.00000°,λ70.00000°. Principal axes: T 1.3500,Plg75.0000°,Azm168.0000°; N -0.0400,Plg15.0000°,Azm341.0000° ; P -1.3100,Plg2.0000°,Azm72.0000° $M_0$1.30000×10^{19}
IDC XII 21 23 32 26.1–56 13.38S 166.17E 0 4.1,3.9
¶602391834
IDC Error ellipse: s-maj=944.5km s-min=106.0km az=63.0.
ISC XII 22 07 52 59.4–.39 20.30S–.05 169.65E–.06 125–3 4.8b 454 3-166
BJI XII 22 07 52 57.7 20.23S 170.18E 133 5.1b,5.0b **¶602090229**
IDC XII 22 07 52 59.2–.45 20.30S 169.66E 122–3 4.7,4.5
ISCJB XII 22 07 53 00.3–.97 20.31S–.03 169.53E–.03 138–9 4.7b,4.5
GCMT XII 22 07 53 01.2–.40 20.39S–.03 169.56E–.03 140–3 5.0W,4.5
MOS XII 22 07 53 01.5–1.0 20.28S 169.54E 151 4.9b,4.5
NEIC XII 22 07 53 02.2–.87 20.31S 169.57E 147–8 4.9b,4.5
WEL XII 22 07 53 02.0 20.31S 169.57E 147 4.9b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=8.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=24.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c28; s62,c77;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.39±.20 $M_{\theta\theta}$2.92±.29; $M_{\phi\phi}$1.47±.28; $M_{r\theta}$0.93±.23; $M_{\theta\phi}$-2.27±.24; $M_{\phi r}$1.37±.20; Best double couple: NP1:ϕ_s144.00000°,δ48.00000°,λ-64.00000°. NP2:ϕ_s288.00000°,δ48.00000°,λ-116.00000°. Principal axes: T 4.5780,Plg0.0000° ,Azm216.0000°; N 0.3860,Plg19.0000°,Azm306.0000°; P -4.9640,Plg71.0000° ,Azm125.0000° $M_0$4.77100×10^{16}
MOS Error ellipse: s-maj=10.9km s-min=9.6km az=146.4.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=216.0.
WEL manual. confirmed.
ISC XII 22 09 13 05.8–.54 20.16S–.09 169.77E–.09 100 4.0b 66 4-148
WEL XII 22 09 12 28.9–4.2 17S–54 169E–74 33 4.0b **¶602391857**
ISCJB XII 22 09 13 04.3–.53 20.12S–.06 169.72E–.06 100 3.9b
IDC XII 22 09 13 07.0–.99 20.24S 169.71E 111–7 4.1,4.0
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.2km az=34.7.
IDC Error ellipse: s-maj=20.3km s-min=12.5km az=146.0.

ISC XII 22 14 27 47.5–1.3 14.7S–.20 166.3E–.20 28 3.6b 6 7-88
IDC XII 22 14 27 43.3–1.4 14.57S 166.28E 0 3.8,3.6 **¶602391871**
ISCJB XII 22 14 27 45.9–1.2 14.7S–.10 166.2E–.20 28 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 23 00 29 55.5–.39 13.14S–.04 167.17E–.05 218–3 5.2b 893 8-170
BJI XII 23 00 29 53.7 12.97S 167.40E 214 5.2b,5.1b **¶602090235**
GCMT XII 23 00 29 55.6–.30 13.08S–.02 167.09E–.02 221–2 5.1W,5.1b
IDC XII 23 00 29 55.3–.51 13.15S 167.21E 214–4 5.2,4.8
MOS XII 23 00 29 56.0–1.1 13.04S 167.07E 223 5.2b,4.8
ISCJB XII 23 00 29 56.0–.86 13.12S–.03 167.11E–.02 230–8 5.1b,4.8
NEIC XII 23 00 29 56.6–.56 13.09S 167.11E 224–5 5.2b,4.8
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c48; s83,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.05±.17 $M_{\theta\theta}$-1.11±.23; $M_{\phi\phi}$-3.94±.22; $M_{r\theta}$2.14±.18; $M_{\theta\phi}$-2.23±.20; $M_{\phi r}$-0.54±.18; Best double couple: NP1:ϕ_s48.00000°,δ52.00000°,λ116.00000°. NP2:ϕ_s190.00000°,δ45.00000°,λ61.00000°. Principal axes: T 5.8700,Plg69.0000° ,Azm21.0000°; N -0.6710,Plg20.0000°,Azm211.0000°; P -5.1990,Plg3.0000°,Azm120.0000° $M_0$5.53500×10^{16}
IDC Error ellipse: s-maj=9.0km s-min=7.8km az=119.0.
MOS Error ellipse: s-maj=8.0km s-min=6.6km az=92.7.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.8km az=149.1.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.6km az=112.0.
ISC XII 23 05 11 44.4–.46 17.11S–.07 168.51E–.09 200 4.6b 108 5-167
BJI XII 23 05 11 41.2 17.35S 169.13E 210 5.0b,4.7b **¶602056605**
ISCJB XII 23 05 11 43.2–.23 17.15S–.05 168.45E–.05 200 4.5b,4.7b
NEIC XII 23 05 11 46.8–1.2 17.18S 168.46E 224–11 4.6b,4.7b
IDC XII 23 05 11 47.4–1.4 17.21S 168.47E 230–12 4.5,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=142.1.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=183.0.
IDC Error ellipse: s-maj=12.6km s-min=10.5km az=141.0.
ISC XII 23 22 19 35.4–.57 19.08S–.08 168.5E–.10 42 4.7b 77 4-166
IDC XII 23 22 19 28.7–1.2 18.87S 168.67E 0 4.7,4.5 **¶602057928**
BJI XII 23 22 19 29.4 19.00S 168.40E 15 5.2b,4.8b
ISCJB XII 23 22 19 34.9–.43 19.12S–.05 168.36E–.07 42 4.7b,4.3s
NEIC XII 23 22 19 34.9–2.5 18.98S 168.58E 43–20 4.5b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=25.0km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.9km az=163.4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.6km az=217.0.
ISC XII 24 06 30 15.3–.61 20.6S–.10 169.1E–.10 31 4.5b,3.9s 61 3-166
IDC XII 24 06 30 10.0–1.1 20.71S 169.31E 0 4.6,4.4 **¶602056935**
NEIC XII 24 06 30 11.8–.83 20.50S 169.18E 10 4.5b,4.4
ISCJB XII 24 06 30 13.8–.54 20.67S–.10 169.09E–.08 31 4.5b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 24 15 04 21.9–.71 13.89S–.07 167.0E–.10 35 3.9b 38 8-166
ISCJB XII 24 15 04 20.3–.78 13.98S–.06 166.86E–.09 33 3.9b,3.5s **¶602323395**
IDC XII 24 15 04 25.1–3.3 14.04S 166.82E 62–27 4.3L,4.0
NEIC XII 24 15 04 26.4–1.6 13.93S 166.82E 73–12 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.8km az=153.2.
IDC Error ellipse: s-maj=27.8km s-min=17.3km az=71.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.8km az=82.0.
ISC XII 24 15 33 47.6–.85 19.1S–.10 169.4E–.10 200 4.1b 21 4-90
IDC XII 24 15 33 45.3–4.2 18.79S 169.25E 165–40 4.3,4.0 **¶602323396**
ISCJB XII 24 15 33 46.1–.65 19.05S–.09 169.37E–.08 200 4.1b,4.0
NEIC XII 24 15 33 47.3–1.3 19.00S 169.38E 197–15 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=32.3km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.5km az=159.0.
IDC XII 25 15 07 21.1–5.7 20.60S 169.61E 127–36 3.8,3.6
¶602380593
IDC Error ellipse: s-maj=86.2km s-min=44.6km az=144.0.
ISC XII 25 16 21 29.4–.55 14.38S–.08 167.3E–.10 170 4.1b 69 8-166
NEIC XII 25 16 21 25.3–4.3 14.42S 167.43E 136–36 4.2b **¶602090242**
ISCJB XII 25 16 21 28.2–.47 14.35S–.06 167.29E–.10 170 4.1b
IDC XII 25 16 21 28.9–2.3 14.40S 167.39E 163–21 4.4,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.2km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.4km az=11.3.
IDC Error ellipse: s-maj=21.4km s-min=16.2km az=128.0.
IDC XII 26 21 59 42.5–2.7 13.83S 167.74E 0 4.1,3.9
¶602380666
IDC Error ellipse: s-maj=111.5km s-min=43.9km az=140.0.
ISC XII 28 20 16 27.5–1.2 14.40S–.06 167.27E–.07 211–11 4.8b 163 8-166
NEIC XII 28 20 16 25.9–.98 14.38S 167.36E 200–9 4.9b **¶602090264**
ISCJB XII 28 20 16 27.2–1.0 14.43S–.04 167.30E–.04 226–10 4.7b
IDC XII 28 20 16 29.4–1.8 14.44S 167.18E 223–16 4.4,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=6.0km az=31.7.
IDC Error ellipse: s-maj=15.0km s-min=10.5km az=136.0.
IDC XII 29 09 32 26.8–6.0 18.75S 168.88E 217–128 3.7,3.3
¶602380832
IDC Error ellipse: s-maj=284.5km s-min=49.3km az=142.0.
ISC XII 29 11 52 48.6–.91 20.8S–.20 170.0E–.10 122 3.8b 11 4-146
ISCJB XII 29 11 52 47.8–.77 20.8S–.20 169.9E–.10 122 3.8b **¶602380837**
IDC XII 29 11 52 55.1–2.3 20.95S 169.76E 179–19 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=17.9km az=165.4.
IDC Error ellipse: s-maj=32.0km s-min=20.8km az=172.0.
IDC XII 30 12 30 45.8–3.4 18.40S 169.07E 205–33 4.1,3.8
¶602380891
IDC Error ellipse: s-maj=46.9km s-min=29.6km az=145.0.
ISC XII 30 13 50 53.8–1.1 18.4S–.10 168.3E–.20 37 4.2b 14 4-86
IDC XII 30 13 50 49.2–3.5 18.04S 168.18E 0 4.3,4.1 **¶602329622**
ISCJB XII 30 13 50 52.1–.77 18.40S–.07 168.3E–.10 37 4.3b,4.1
NEIC XII 30 13 50 55.6–2.6 18.46S 168.34E 58–28 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=77.4km s-min=36.4km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.8km az=16.9.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=12.3km az=165.0.

(187) New Caledonia.

IDC VII 01 17 43 39.7–2.4 22.13S 168.85E 0 3.7,3.5
¶601663369
IDC Error ellipse: s-maj=137.3km s-min=28.1km az=168.0.
ISC VII 14 21 16 57.4–1.8 22.0S–.50 168.8E–.20 31 3.9b 9 2-147
IDC VII 14 21 16 53.1–2.3 21.93S 168.77E 0 4.1,3.9 **¶601664587**
ISC Event type ke.
IDC Error ellipse: s-maj=78.2km s-min=32.4km az=160.0.
IDC IX 12 00 50 22.1–2.7 22.19S 168.86E 0 3.7,3.6
¶601863388
IDC Error ellipse: s-maj=113.9km s-min=38.9km az=171.0.

(188) Loyalty Islands.

ISC VII 01 23 25 25.8–.46 22.00S–.10 168.88E–.07 31 4.6b,3.8s 89 2-165
BJI VII 01 23 25 19.0 21.90S 169.70E 10 5.0b,4.9b **¶601229802**
IDC VII 01 23 25 20.8–.53 21.98S 168.95E 0 4.6,4.5
NEIC VII 01 23 25 23.7–4.2 21.94S 168.93E 18–25 4.8b,4.5
ISCJB VII 01 23 25 24.0–.37 21.99S–.07 168.91E–.06 31 4.6b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 02 14 38 35.9–4.0 20.60S 168.00E 0 3.7,3.5L
¶601663401

IDC Error ellipse: s-maj=106.5km s-min=33.2km az=124.0.
IDC VII 06 19 45 04.2–3.1 21.04S 168.49E 0 3.7,3.6L
¶601663557

IDC Error ellipse: s-maj=75.8km s-min=42.6km az=137.0.
IDC VII 18 16 07 44.6–4.3 20.87S 168.08E 0 3.6,3.4
¶601664793

IDC Error ellipse: s-maj=129.2km s-min=32.3km az=132.0.
ISC VII 20 21 03 28.1–.85 20.67S–.10 168.0E–.10 32 4.3b 18 2-144
IDC VII 20 21 03 23.0–8.2 20.61S 168.07E 0 4.5,4.3 **¶601664886**
ISCJB VII 20 21 03 26.5–.64 20.6S–.10 167.9E–.10 32 4.3b,4.3
NEIC VII 20 21 03 28.7–.54 20.69S 167.93E 35 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=155.6km s-min=45.7km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=11.9km az=142.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.5km az=144.0.
IDC VIII 06 09 09 51.3–4.4 20.72S 168.49E 0 4.2,4.1b
¶601765544

IDC Error ellipse: s-maj=127.6km s-min=42.2km az=136.0.
ISC VIII 23 15 45 34.5–1.1 20.2S–.10 168.8E–.10 35 4.4b 24 3-90
IDC VIII 23 15 45 28.1–2.5 20.13S 168.87E 0 4.1,4.0b **¶601766362**
ISCJB VIII 23 15 45 32.0–.79 20.01S–.09 168.71E–.08 35 4.3b,4.0b
NEIC VIII 23 15 45 34.1–.85 20.05S 168.70E 35 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=31.3km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=11.0km az=179.7.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.9km az=216.0.
IDC IX 09 07 57 39.4–1.6 20.40S 168.41E 35–8 3.9,3.9s
¶601863219

IDC Error ellipse: s-maj=67.8km s-min=21.4km az=149.0.
IDC IX 09 15 09 57.2–2.9 20.32S 168.15E 0 3.8,3.6
¶601863240

IDC Error ellipse: s-maj=83.5km s-min=27.9km az=128.0.
IDC IX 09 20 13 24.4–10 20.36S 167.66E 0 3.8,3.6
¶601863259

IDC Error ellipse: s-maj=181.3km s-min=40.1km az=94.0.
IDC IX 17 05 14 17.7–1.9 20.58S 168.51E 0 4.2,3.9
¶601863694

IDC Error ellipse: s-maj=94.9km s-min=27.0km az=150.0.
ISC IX 18 10 15 27.6–.43 20.98S–.07 168.51E–.08 40–3 4.9b 134 2-165
IDC IX 18 10 15 27.8–.44 20.96S 168.51E 41–2 4.4,4.4 **¶601722617**
GCMT IX 18 10 15 29.2–.50 20.80S–.04 168.38E–.03 27–1 4.9W,4.4
BJI IX 18 10 15 35.1 21.20S 166.96E 41 5.0b,4.7b
NEIC IX 18 10 15 39.2–1.5 20.98S 167.41E 68–13 4.9b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=14.6km s-min=7.4km az=139.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c43; s61,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.24 $M_{\theta\theta}$0.29±.18; $M_{\phi\phi}$2.48±.17; $M_{r\theta}$0.49±.33; $M_{\theta\phi}$-1.47±.12; $M_{\phi r}$1.12±.27; Best double couple: NP1:ϕ_s171.00000°,δ55.00000°,λ-68.00000°. NP2:ϕ_s315.00000°,δ41.00000°,λ-119.00000°. Principal axes: T 3.3230,Plg8.0000° ,Azm245.0000°; N -0.1370,Plg18.0000°,Azm338.0000°; P -3.1950,Plg70.0000° ,Azm134.0000° M_o3.25900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=14.7km s-min=8.9km az=161.0. Felt at Noumea, New Caledonia.
IDC IX 18 11 08 24.7–1.8 20.22S 168.23E 0 4.1,3.8
¶601863757

IDC Error ellipse: s-maj=56.6km s-min=23.8km az=137.0.
ISC IX 20 03 32 31.5–.41 20.46S–.08 168.36E–.09 26 5.0b 280 2-165
ISCJB IX 20 03 32 29.9–.18 20.32S–.06 168.22E–.05 26 4.9b **¶601734524**
IDC IX 20 03 32 33.2–.71 20.36S 168.23E 38–4 4.5,4.4
NEIC IX 20 03 32 35.4–2.2 20.30S 168.24E 56–18 5.0b,4.4
BJI IX 20 03 32 37.0 20.30S 167.20E 32 5.1b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.5km az=147.3.
IDC Error ellipse: s-maj=19.3km s-min=12.9km az=128.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=155.0.
IDC IX 20 03 38 44.8–5.6 20.21S 167.57E 0 4.1,3.8
¶601863865

IDC Error ellipse: s-maj=114.2km s-min=31.9km az=100.0.
ISC IX 30 19 48 17.2–2.4 21.0S–.80 169.0E–.50 25 4.1b 7 3-146
IDC IX 30 19 48 14.0–2.3 20.83S 168.91E 0 4.2,4.0b **¶601857546**
ISC Event type ke.
IDC Error ellipse: s-maj=122.2km s-min=25.3km az=152.0.
ISC X 11 04 28 43.4–.66 21.4S–.20 168.88E–.09 40 4.5b 28 2-146
ISCJB X 11 04 28 42.3–.58 21.6S–.20 168.88E–.08 40 4.5b **¶601997842**
NEIC X 11 04 28 43.2–.56 21.46S 168.85E 35 4.6b
IDC X 11 04 28 44.6–1.5 21.37S 168.79E 40–6 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=8.5km az=164.4.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=11.2km az=161.0.
IDC Error ellipse: s-maj=67.4km s-min=11.2km az=154.0.
IDC X 25 19 42 13.8–14 20.01S 168.44E 0 3.8,3.7
¶601999641

IDC Error ellipse: s-maj=252.5km s-min=63.0km az=88.0.
ISC XII 07 10 25 00.2–2.4 20.4S–.40 168.5E–.50 26 3.7b 7 3-145
IDC XII 07 10 24 56.7–2.4 20.32S 168.45E 0 3.8,3.7 **¶602390609**
ISC Event type ke.
IDC Error ellipse: s-maj=90.0km s-min=23.9km az=135.0.

(189) Southeast of Loyalty Islands.

ISC VII 01 21 14 17.0–1.1 22.0S–.20 170.6E–.10 112 3.8b 11 4-151
IDC VII 01 21 14 15.7–5.6 21.98S 170.78E 101–43 4.0,3.7 **¶601663377**
ISCJB VII 01 21 14 16.2–1.3 22.1S–.30 170.6E–.10 112 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 02 10 15 56.6–.39 22.62S–.07 173.09E–.06 32 4.8b,4.1s 126 6-168
ISCJB VII 02 10 15 54.8–.22 22.52S–.04 172.97E–.05 32 4.7b,4.0s **¶601224687**
BJI VII 02 10 15 59.0 22.50S 173.00E 60 4.9b,4.7b
IDC VII 02 10 16 00.5–3.6 22.56S 172.93E 71–31 4.4,4.3
NEIC VII 02 10 16 00.7–1.1 22.53S 172.95E 73–9 4.8b,4.3
GCMT VII 02 10 16 00.7–.30 22.78S 173.06E 27–1 5.0W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.4km az=36.3.
IDC Error ellipse: s-maj=19.8km s-min=13.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.6km az=96.0.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s29,c33; s69,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.30 $M_{\theta\theta}$-4.29±.18; $M_{\phi\phi}$0.48±.18; $M_{r\theta}$1.73±.25; $M_{\theta\phi}$-0.10±.12; $M_{\phi r}$-0.50±.38; Best double couple: NP1:ϕ_s97.00000°,δ57.00000° ,λ99.00000°. NP2:ϕ_s260.00000°,δ34.00000°,λ76.00000°. Principal axes: T 4.2240,Plg76.0000°,Azm34.0000°; N 0.4180,Plg8.0000°,Azm272.0000° ; P -4.6440,Plg12.0000°,Azm180.0000° M_o4.43400×10^{16}
IDC VII 06 19 37 31.9–6.3 22.89S 172.71E 82–50 3.8,3.8s
¶601266100

IDC Error ellipse: s-maj=44.6km s-min=32.7km az=119.0.
ISC VII 06 19 37 59.7–.43 22.63S–.08 173.07E–.06 32 4.8b 74 6-168
ISCJB VII 06 19 37 58.0–.31 22.62S–.04 173.04E–.05 32 4.7b **¶601663555**
NEIC VII 06 19 38 02.0–1.4 22.61S 173.06E 54–13 4.9b
IDC VII 06 19 38 02.2–4.0 22.65S 172.99E 55–33 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.9km az=148.8.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=56.0.
IDC Error ellipse: s-maj=22.0km s-min=15.2km az=72.0.
IDC VII 15 20 38 12.4–2.8 22.68S 170.50E 0 3.7,3.6L
¶601664645

IDC Error ellipse: s-maj=133.0km s-min=34.8km az=164.0.
ISC VII 23 07 04 24.4–.52 22.52S–.10 173.20E–.07 32 4.5b,3.8s 46 6-147
IDC VII 23 07 04 19.1–.93 22.45S 173.21E 0 4.4,4.3 **¶601472358**
ISCJB VII 23 07 04 22.8–.42 22.55S–.07 173.13E–.06 32 4.6b,3.7s
NEIC VII 23 07 04 25.8–1.7 22.51S 173.12E 44–15 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=20.6km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.5km az=8.1.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=46.0.
ISC VII 23 08 08 13.7–.70 22.4S–.10 173.16E–.08 44 4.6b,3.8s 37 6-123
IDC VII 23 08 08 07.3–1.6 22.39S 173.13E 0 4.1,4.0 **¶601472360**
ISCJB VII 23 08 08 11.9–.56 22.49S–.07 173.09E–.07 44 4.5b,3.7s
NEIC VII 23 08 08 14.8–1.9 22.43S 173.08E 54–17 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=25.8km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=8.1km az=32.8.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.4km az=55.0.
ISC VII 26 10 48 21.7–.24 21.13S–.05 169.53E–.04 30 5.3s,5.2b 733 3-171
MOS VII 26 10 48 19.9–1.1 21.06S 169.50E 25 5.3b,5.3s **¶601472683**
ISCJB VII 26 10 48 20.4–.11 21.12S–.03 169.52E–.03 30 5.3s,5.1b
IDC VII 26 10 48 21.1–2.9 21.16S 169.56E 28–19 5.0,5.0
NEIC VII 26 10 48 22.1–.11 21.10S 169.51E 33 5.4s,5.2b
BJI VII 26 10 48 22.5 20.40S 169.74E 34 5.6b,5.1s
GCMT VII 26 10 48 22.1–.10 21.24S 169.31E 33–0 5.7W,5.1s
ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=7.4km az=83.9.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=148.0.
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=122.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s117,c199; s126,c246;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.21±.06 $M_{\theta\theta}$-0.59±.04; $M_{\phi\phi}$-2.62±.04; $M_{r\theta}$0.65±.07; $M_{\theta\phi}$1.53±.03; $M_{\phi r}$-1.38±.06; Best double couple: NP1: ϕ_s153.00000°,δ57.00000°,λ91.00000°. NP2:ϕ_s330.00000°,δ33.00000°,λ88.00000°. Principal axes: T 3.5450,Plg78.0000°,Azm68.0000°; N 0.2280,Plg1.0000°,Azm332.0000° ; P -3.7740,Plg12.0000°,Azm242.0000° M_o3.66000×10^{17}
ISC VII 26 10 53 02.4–.99 21.4S–.20 169.3E–.10 21 4.1b 13 3-150
IDC VII 26 10 52 59.1–1.0 21.35S 169.49E 0 4.2,4.0 **¶605673256**
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=21.4km az=150.0.
IDC VII 30 19 55 05.7–9.4 22.65S 172.99E 67–68 3.7,3.7
¶601650786

IDC Error ellipse: s-maj=111.6km s-min=42.3km az=155.0.
ISC VII 30 21 02 47.1–.73 22.8S–.10 173.08E–.10 35 4.3b,3.6s 25 6-167
IDC VII 30 21 02 41.3–.88 22.72S 173.18E 0 4.5,4.4 **¶601521009**
NEIC VII 30 21 02 42.8–.57 22.73S 173.18E 10 4.4b,4.4
ISCJB VII 30 21 02 45.5–.73 22.8S–.10 173.02E–.09 35 4.3b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 30 23 59 28.4–1.9 21.1S–.70 169.1E–.40 30 3.9b 7 3-146
IDC VII 30 23 59 23.6–2.1 21.15S 169.30E 0 4.1,3.9b **¶601650795**
ISCJB VII 30 23 59 27.0–1.7 21.0S–.60 169.1E–.40 30 3.8b,2.8s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 06 04 43 22.4–.38 21.37S–.06 170.48E–.06 134 4.8b 178 4-171
ISCJB VIII 06 04 43 21.5–.34 21.36S–.05 170.32E–.06 134 4.7b **¶601520352**
WEL VIII 06 04 43 25.0 21.41S 170.39E 165 4.7b
NEIC VIII 06 04 43 25.8–1.2 21.41S 170.39E 165–10 5.0b
IDC VIII 06 04 43 26.6–1.6 21.46S 170.41E 174–12 4.8,4.3
BJI VIII 06 04 43 26.6 21.40S 170.30E 173 5.0b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=144.7.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=52.0.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=49.0.
IDC VIII 06 19 33 44.2–2.6 22.38S 170.45E 0 3.9,3.7b
¶601765570

IDC Error ellipse: s-maj=90.8km s-min=30.3km az=155.0.
IDC VIII 14 09 13 00.8–2.3 23.12S 171.54E 0 4.2,3.9
¶601765826

IDC Error ellipse: s-maj=127.1km s-min=29.1km az=165.0.
ISC VIII 14 15 08 15.8–.45 22.62S–.10 171.46E–.08 35 4.7b,4.5s 116 5-166
IDC VIII 14 15 08 10.3–.59 22.55S 171.45E 0 4.6,4.4 **¶601562043**
ISCJB VIII 14 15 08 14.5–.28 22.64S–.06 171.40E–.05 35 4.6b,4.2s
NEIC VIII 14 15 08 16.6–1.3 22.55S 171.37E 43–11 4.7b,4.2s
BJI VIII 14 15 08 18.5 22.37S 170.97E 48 4.9s,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=16.6km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.3km az=0.9.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.4km az=200.0.
ISC VIII 14 15 18 20.6–1.5 22.9S–.50 171.4E–.10 49 4.1b 13 5-149
IDC VIII 14 15 18 14.7–1.9 22.76S 171.40E 0 4.3,4.1 **¶601610716**
NEIC VIII 14 15 18 19.0–1.3 22.90S 171.46E 35 4.4b,4.1
ISCJB VIII 14 15 18 19.2–.90 23.0S–.30 171.38E–.08 49 4.1b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 15 19 55 48.4–3.3 22.31S 170.99E 124–28 4.0,3.8
¶601765896

IDC Error ellipse: s-maj=55.4km s-min=22.6km az=3.0.
ISC VIII 18 21 35 26.2–.41 22.39S–.08 171.49E–.07 98 4.6b 85 5-167
BJI VIII 18 21 35 22.5 23.05S 171.72E 97 5.0b,4.7b **¶601565869**
ISCJB VIII 18 21 35 25.0–.30 22.42S–.06 171.44E–.05 98 4.5b,4.7b
IDC VIII 18 21 35 25.1–3.6 22.37S 171.52E 90–28 4.4,4.2
NEIC VIII 18 21 35 27.0–1.3 22.41S 171.48E 106–11 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.6km az=0.7.
IDC Error ellipse: s-maj=20.9km s-min=18.6km az=108.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.3km az=195.0.
IDC VIII 24 22 29 27.6–3.5 22.19S 170.27E 0 3.7,3.5
¶601766418

IDC Error ellipse: s-maj=169.2km s-min=34.2km az=159.0.
IDC VIII 26 08 40 27.1–2.1 22.95S 171.26E 0 3.8,3.7
¶601766495

IDC Error ellipse: s-maj=62.1km s-min=30.1km az=24.0.
IDC VIII 30 11 06 18.4–2.5 22.52S 170.92E 0 4.0,4.0L
¶601755611

IDC Error ellipse: s-maj=111.5km s-min=37.8km az=170.0.
ISC VIII 30 20 56 28.1–1.4 21.6S–.30 170.0E–.10 36 3.8b 9 3-147
ISCJB VIII 30 20 56 24.8–2.1 21.5S–.40 170.0E–.10 36 3.6b,3.4s **¶601755637**
IDC VIII 30 20 56 30.8–6.4 21.69S 169.83E 56–49 3.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=55.1km s-min=15.7km az=3.1.
IDC Error ellipse: s-maj=42.2km s-min=35.2km az=54.0.
ISC IX 01 00 01 56.8–.34 22.02S–.07 170.20E–.06 35 5.0b,4.4s 163 3-166
ISCJB IX 01 00 01 55.1–.27 22.01S–.04 170.16E–.05 35 4.9b,4.4s **¶601668324**
IDC IX 01 00 01 55.9–5.4 22.04S 170.28E 32–38 4.5,4.5s
NEIC IX 01 00 01 57.9–1.1 22.01S 170.17E 46–10 4.9b,4.5s
BJI IX 01 00 01 58.1 21.38S 170.42E 46 5.4b,5.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=146.0.
IDC Error ellipse: s-maj=18.5km s-min=13.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=46.0.
IDC IX 10 15 14 00.1–3.3 22.59S 171.68E 0 4.2,4.0
¶601863306

IDC Error ellipse: s-maj=113.1km s-min=53.2km az=173.0.
IDC IX 10 15 56 06.0–2.5 22.87S 171.40E 0 4.0,3.8
¶601863309

IDC Error ellipse: s-maj=101.3km s-min=38.8km az=171.0.
ISC IX 23 10 57 44.5–.36 21.93S–.07 170.79E–.06 112 4.6b 122 4-166
IDC IX 23 10 57 42.2–1.4 21.92S 170.80E 94–11 4.6,4.3 **¶601737050**
ISCJB IX 23 10 57 43.4–.32 21.94S–.06 170.76E–.05 112 4.5b,4.3
BJI IX 23 10 57 43.3 21.80S 170.80E 111 4.9b,4.6b
NEIC IX 23 10 57 44.7–.63 21.82S 170.81E 112–5 4.5b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=10.5km az=180.0.

ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.4km az=173.7.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=171.0.
ISC IX 29 03 00 50.3–.89 23.1S–.20 172.0E–.10 47 4.2b,3.6s 14 5-166
IDC IX 29 03 00 43.4–1.0 23.13S 172.13E 0 4.3,4.1 **¶601792796**
NEIC IX 29 03 00 46.8–8.0 23.07S 172.07E 21–54 4.3b,4.1
ISCJB IX 29 03 00 48.7–.78 23.1S–.20 171.89E–.09 47 4.1b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 00 02 15.0–.72 23.1S–.10 170.74E–.09 33–2 4.1b,3.6s 57 4-166
IDC X 03 00 02 09.7–.83 23.01S 170.76E 0 4.3,4.2L **¶601825416**
ISCJB X 03 00 02 13.6–3.3 23.1S–.10 170.7E–.10 36–26 4.1b,3.6s
NEIC X 03 00 02 15.8–2.6 22.99S 170.67E 38–20 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=20.3km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=16.8km az=162.4.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.4km az=94.0.
ISC X 07 02 13 55.9–.71 22.0S–.20 171.01E–.09 112 3.9b 34 4-167
ISCJB X 07 02 13 55.3–.99 22.2S–.20 170.95E–.09 112 3.8b **¶601795071**
IDC X 07 02 13 56.0–.88 22.01S 171.03E 110–6 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.8km s-min=10.2km az=11.7.
IDC Error ellipse: s-maj=26.5km s-min=15.8km az=171.0.
ISC X 08 14 57 11.0–1.2 21.4S–.10 169.9E–.10 100 3.9b 18 3-147
ISCJB X 08 14 57 08.7–1.1 21.3S–.10 169.9E–.10 100 4.0b **¶601838465**
IDC X 08 14 57 11.1–6.3 21.52S 169.87E 104–38 4.3,4.0
NEIC X 08 14 57 13.3–1.9 21.57S 169.72E 120–14 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=13.7km az=7.7.
IDC Error ellipse: s-maj=62.7km s-min=38.6km az=135.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=14.1km az=51.0.
IDC X 12 18 05 20.3–7.0 21.56S 170.43E 118–40 4.0,3.7
¶601998029
IDC Error ellipse: s-maj=85.6km s-min=31.2km az=26.0.
ISC X 13 08 25 45.3–.28 22.33S–.06 170.47E–.05 33 4.8b,4.5s 279 4-166
IDC X 13 08 25 40.1–.53 22.24S 170.47E 0 4.6,4.6 **¶601830345**
ISCJB X 13 08 25 43.9–.24 22.27S–.04 170.43E–.05 33 4.8b,4.5s
MOS X 13 08 25 45.3–1.6 22.18S 170.29E 33 5.2b,4.5s
BJI X 13 08 25 45.9 21.60S 170.26E 22 5.3b,5.2s
NEIC X 13 08 25 45.7–.17 22.24S 170.48E 35 4.9b,5.2s
GCMT X 13 08 25 47.7–.20 22.36S–.01 170.26E–.01 27–0 5.2W,5.2s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c108; s95,c146;Duration: 1$0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.87±.18 $M_{\theta\theta}$-5.52±.13; $M_{\phi\phi}$-0.34±.14; $M_{r\theta}$4.49±.25; $M_{\theta\phi}$2.57±.10; $M_{\theta r}$-0.81±.26; Best double couple: NP1:ϕ_s105.00000°,δ63.00000°,λ82.00000°. NP2:ϕ_s301.00000°,δ28.00000°,λ105.00000°. Principal axes: T 7.4280,Plg71.0000° ,Azm358.0000°; N 0.5980,Plg7.0000°,Azm108.0000°; P -8.0230,Plg18.0000°,Azm200.0000° $M_0$7.72600×10^{16}
IDC X 13 12 45 12.2–4.8 21.80S 169.97E 0 4.1,3.9
¶601998116
IDC Error ellipse: s-maj=116.7km s-min=63.4km az=5.0.
ISC X 23 09 39 30.4–.35 22.27S–.04 171.69E–.04 123–2 5.9b 1441 4-169
ISCJB X 23 09 39 29.9–.54 22.30S–.02 171.63E–.02 126–5 5.9b **¶601874209**
IDC X 23 09 39 29.2–1.3 22.31S 171.77E 110–9 6.0,5.7
MOS X 23 09 39 30.5–.88 22.29S 171.66E 133 5.9b,5.7
NEIC X 23 09 39 30.7–.44 22.31S 171.69E 123–4 5.9W,5.9b
WEL X 23 09 39 30.0 22.31S 171.69E 123 5.9W,5.9b
GCMT X 23 09 39 31.7–.10 22.40S–.01 171.69E–.01 113–0 5.9W,5.9b
NEIC X 23 09 39 31.0–.00 22.22S 171.46E 100 5.9W,5.9b
BJI X 23 09 39 32.7 21.60S 171.60E 128 6.0b,5.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=18.0.
IDC Error ellipse: s-maj=11.2km s-min=9.2km az=83.0.
MOS Error ellipse: s-maj=6.9km s-min=6.6km az=100.4.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=2.4km az=150.0. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-3.59 $M_{\phi\phi}$1.45 $M_{r\theta}$6.25 $M_{\theta\phi}$4.45 $M_{\theta r}$3.26 Best double couple: NP1: ϕ_s336.00000°,δ38.00000°,λ165.00000°. NP2:ϕ_s78.00000°,δ81.00000°,λ53.00000°. Principal axes: T 9.5200,Plg42.0000°,Azm313.0000°; N -1.4100,Plg37.0000°,Azm84.0000° ; P -8.1100,Plg26.0000°,Azm196.0000° $M_0$8.90000×10^{17}
WEL manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c269; s145,c399; Duration: 2$1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.07 $M_{\theta\theta}$-4.16±.08; $M_{\phi\phi}$2.80±.08; $M_{r\theta}$5.53±.05; $M_{\theta\phi}$4.32±.07; $M_{\theta r}$2.60±.05; Best double couple: NP1:ϕ_s73.00000°,δ83.00000° ,λ48.00000°. NP2:ϕ_s336.00000°,δ43.00000°,λ170.00000°. Principal axes: T 8.5140,Plg37.0000°,Azm307.0000°; N -0.3680,Plg42.0000°,Azm79.0000° ; P -8.1470,Plg26.0000°,Azm195.0000° $M_0$8.33100×10^{17}
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}1.19 $M_{\theta\theta}$-3.32 $M_{\phi\phi}$2.13 $M_{r\theta}$4.22 $M_{\theta\phi}$3.22 $M_{\theta r}$3.63 Best double couple: NP1:ϕ_s69.00000°,δ82.00000° ,λ50.00000°. NP2:ϕ_s330.00000°,δ41.00000°,λ168.00000°. Principal axes: T 7.7900,Plg39.0000°,Azm303.0000°; N -1.8000,Plg39.0000°,Azm75.0000° ; P -5.9900,Plg26.0000°,Azm189.0000° $M_0$7.10000×10^{17}
ISC X 27 20 14 59.6–.31 21.56S–.06 169.79E–.05 36 5.0b,4.8s 299 3-164
IDC X 27 20 14 54.0–.75 21.39S 169.93E 0 4.8,4.7 **¶601852929**
NEIC X 27 20 14 57.5–2.1 21.49S 169.83E 23–15 5.0b,4.7
ISCJB X 27 20 14 57.8–.22 21.51S–.03 169.82E–.04 36 4.9b,4.7s
MOS X 27 20 14 59.9–1.2 21.22S 169.41E 33 5.2b,4.8s
BJI X 27 20 14 59.0 21.06S 170.00E 32 5.5b,5.2s
GCMT X 27 20 15 01.5–.10 21.70S–.01 169.69E–.01 29–0 5.3W,5.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c149; s97,c158;Duration: 1$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$-0.26±.02; $M_{\phi\phi}$-0.72±.02; $M_{r\theta}$0.19±.03; $M_{\theta\phi}$0.53±.01; $M_{\theta r}$-0.49±.03; Best double couple: NP1:ϕ_s153.00000°,δ59.00000°,λ96.00000°. NP2:ϕ_s321.00000°,δ32.00000°,λ80.00000°. Principal axes: T 1.1170,Plg76.0000° ,Azm81.0000°; N 0.0770,Plg5.0000°,Azm329.0000°; P -1.1940,Plg13.0000°,Azm238.0000° $M_0$1.15600×10^{17}
ISC X 30 16 41 25.0–1.3 22.1S–.40 171.2E–.10 105 3.8b 10 4-91
ISCJB X 30 16 41 23.7–1.1 22.2S–.30 171.2E–.10 105 3.8b **¶602000510**
IDC X 30 16 41 23.6–5.5 22.17S 171.26E 94–39 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.2km s-min=13.0km az=172.8.
IDC Error ellipse: s-maj=62.1km s-min=30.6km az=155.0.
IDC X 31 08 11 09.1–3.2 21.91S 170.96E 69–25 4.0,3.8
¶602000596
IDC Error ellipse: s-maj=36.1km s-min=21.0km az=7.0.
ISC XI 04 12 13 01.7–.88 22.32S–.05 171.39E–.06 102–6 5.0b 563 5-167
BJI XI 04 12 12 58.8 21.71S 171.59E 80 5.1b,5.0b **¶601870078**
ISCJB XI 04 12 13 00.3–1.0 22.29S–.04 171.35E–.03 99–9 4.9b,5.0b
IDC XI 04 12 13 00.9–1.8 22.26S 171.41E 95–14 5.0,4.7
GCMT XI 04 12 13 02.6–.20 22.32S–.02 171.42E–.02 107–2 5.1W,4.7
NEIC XI 04 12 13 03.6–.87 22.27S 171.39E 119–7 5.0b,4.7
MOS XI 04 12 13 04.4–1.4 22.24S 171.33E 132 4.9b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=7.5.
IDC Error ellipse: s-maj=11.3km s-min=10.8km az=19.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c56; s92,c138;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.07±.15 $M_{\theta\theta}$-1.57±.19; $M_{\phi\phi}$-0.49±.17; $M_{r\theta}$3.29±.10; $M_{\theta\phi}$4.13±.14; $M_{\theta r}$1.03±.10; Best double couple: NP1:ϕ_s93.00000°,δ74.00000°,λ42.00000°. NP2:ϕ_s349.00000°,δ50.00000°,λ158.00000°. Principal axes: T 5.7170,Plg41.0000° ,Azm320.0000°; N -0.0420,Plg45.0000°,Azm111.0000°; P -5.6740,Plg15.0000° ,Azm216.0000° $M_0$5.69600×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=207.0.
MOS Error ellipse: s-maj=9.8km s-min=8.5km az=36.1.

ISC XI 04 16 18 31.7–.93 22.1S–.20 170.26E–.09 35 3.9b,3.5s 27 4-147
IDC XI 04 16 18 25.7–1.5 21.96S 170.42E 0 4.2,4.0 **¶601891431**
NEIC XI 04 16 18 27.4–.59 22.01S 170.37E 10 4.3b,4.0
ISCJB XI 04 16 18 29.9–.85 22.1S–.10 170.27E–.09 35 4.1b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 06 13 14 54.6–.68 23.0S–.10 171.45E–.09 49 4.2b 40 5-149
IDC XI 06 13 14 47.6–.89 22.99S 171.56E 0 4.1,4.0 **¶601991478**
NEIC XI 06 13 14 51.0–4.2 22.88S 171.61E 23–29 4.6b,4.0
ISCJB XI 06 13 14 52.8–.42 23.04S–.07 171.47E–.06 49 4.2b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 08 20 37 11.6–2.0 21.64S 169.85E 0 3.9,3.7L
¶602389052
IDC Error ellipse: s-maj=86.9km s-min=33.6km az=159.0.
IDC XI 10 23 38 00.8–2.5 23.34S 171.93E 0 3.8,3.6
¶602389180
IDC Error ellipse: s-maj=101.0km s-min=40.6km az=178.0.
ISC XI 17 09 06 26.6–.63 22.32S–.05 171.59E–.04 124–4 4.9b 370 5-167
MOS XI 17 09 06 23.3–1.1 22.34S 171.58E 108 4.9b **¶601906762**
BJI XI 17 09 06 25.0 22.30S 171.50E 120 5.0b,5.0b
IDC XI 17 09 06 25.6–1.2 22.31S 171.57E 116–9 5.0,4.7
NEIC XI 17 09 06 26.7–.97 22.28S 171.58E 123–9 5.1b,4.7
ISCJB XI 17 09 06 26.0–.88 22.31S–.03 171.51E–.03 125–8 4.9b,4.7
GCMT XI 17 09 06 27.7–.20 22.41S–.01 171.59E–.01 118–1 5.2W,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c126; s112,c181;Duration: 1$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.22±.17 $M_{\theta\theta}$-0.28±.19; $M_{\phi\phi}$1.50±.17; $M_{r\theta}$7.00±.12; $M_{\theta\phi}$2.69±.17; $M_{\theta r}$2.15±.11; Best double couple: NP1:ϕ_s252.00000°,δ85.00000°,λ-70.00000°. NP2:ϕ_s356.00000°,δ21.00000°,λ-165.00000°. Principal axes: T 8.0650,Plg37.0000° ,Azm325.0000°; N -0.2880,Plg20.0000°,Azm70.0000°; P -7.7720,Plg46.0000° ,Azm183.0000° $M_0$7.91900×10^{16}
ISC XI 22 22 44 30.0–.31 22.44S–.05 174.09E–.05 35 5.0b,4.5s 343 7-168
IDC XI 22 22 44 24.1–.51 22.40S 174.10E 0 4.7,4.6 **¶601993813**
BJI XI 22 22 44 28.7 21.90S 174.29E 25 5.1b,5.1s
MOS XI 22 22 44 29.4–1.4 22.41S 173.92E 36 5.1b,5.1s
ISCJB XI 22 22 44 29.1–.14 22.38S–.03 173.91E–.03 35 5.0b,4.4s
NEIC XI 22 22 44 31.9–.83 22.35S 173.92E 50–7 5.0b,4.4s
GCMT XI 22 22 44 31.9–.20 22.44S–.01 174.08E–.02 15–0 5.1W,4.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c79; s88,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.08±.18 $M_{\theta\theta}$-5.02±.13; $M_{\phi\phi}$0.94±.12; $M_{r\theta}$3.90±.42; $M_{\theta\phi}$0.34±.09; $M_{\theta r}$-1.18±.42; Best double couple: NP1:ϕ_s103.00000°,δ66.00000°,λ100.00000°. NP2:ϕ_s260.00000°,δ26.00000°,λ69.00000°. Principal axes: T 5.7290,Plg67.0000° ,Azm32.0000°; N 0.8070,Plg9.0000°,Azm279.0000°; P -6.5340,Plg21.0000°,Azm186.0000° $M_0$6.13200×10^{16}
ISC XI 22 22 51 12.3–.73 22.4S–.10 173.98E–.09 35 4.1b 21 7-149
IDC XI 22 22 51 07.4–.93 22.30S 173.94E 0 4.2,4.1 **¶601993814**
ISCJB XI 22 22 51 10.8–.62 22.42S–.08 173.91E–.08 35 4.1b,4.1
NEIC XI 22 22 51 12.4–.51 22.40S 173.96E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=22.6km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=9.3km az=30.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.9km az=65.0.
IDC XI 28 19 28 55.4–6.8 21.24S 170.06E 129–39 3.5,3.4
¶602390132
IDC Error ellipse: s-maj=174.8km s-min=50.7km az=158.0.
ISC XI 29 05 41 29.2–.51 21.07S–.06 170.00E–.06 94–3 4.9b 155 3-166
BJI XI 29 05 41 24.9 21.60S 170.01E 75 5.1b,5.0 **¶601995186**
ISCJB XI 29 05 41 28.4–1.2 21.04S–.05 169.98E–.05 98–10 4.7b,5.0
IDC XI 29 05 41 28.5–.59 21.08S 170.11E 92–4 4.7,4.5
WEL XI 29 05 41 29.0 21.01S 170.03E 99 4.7,4.5
NEIC XI 29 05 41 29.7–.95 21.01S 170.03E 99–8 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.4km az=44.0.
IDC Error ellipse: s-maj=14.3km s-min=12.1km az=174.0.
WEL manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=50.0.
IDC XII 02 00 45 34.1–7.2 22.05S 170.48E 151–44 3.5,3.3
¶602390309
IDC Error ellipse: s-maj=111.6km s-min=52.4km az=158.0.
IDC XII 15 17 07 29.6–2.6 21.78S 169.62E 0 3.9,3.7
¶602391395
IDC Error ellipse: s-maj=97.1km s-min=36.6km az=159.0.

SEISMIC REGION 15.
Bismarck and Solomon Islands.

(190) New Ireland region.

IDC VII 01 03 59 31.9–11 3.68S 153.67E 374–128 3.6,3.1
¶601663344
IDC Error ellipse: s-maj=148.9km s-min=36.8km az=137.0.
ISC VII 05 03 16 41.1–.58 3.35S–.08 152.4E–.10 35 4.4b,3.4s 40 1-149
ISCJB VII 05 03 16 39.5–.40 3.26S–.05 152.32E–.09 33 4.2b,3.4s **¶601562076**
NEIC VII 05 03 16 43.5–1.1 3.50S 152.40E 61–10 4.6b,3.4s
IDC VII 05 03 16 47.0–4.6 3.53S 152.43E 93–42 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.0km az=21.4.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.7km az=127.0.
IDC Error ellipse: s-maj=37.2km s-min=19.6km az=122.0.
ISC VII 05 04 04 06.9–1.3 3.4S–.20 152.2E–.30 100 3.9b 14 8-149
ISCJB VII 05 04 04 05.2–1.1 3.4S–.10 152.2E–.20 100 3.8b **¶601663502**
IDC VII 05 04 04 07.5–4.5 3.49S 152.22E 112–40 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.1km s-min=11.9km az=22.8.
IDC Error ellipse: s-maj=41.8km s-min=19.1km az=108.0.
ISC VII 05 04 06 44.4–.57 3.33S–.07 152.3E–.10 35 4.4b 42 1-149
ISCJB VII 05 04 06 42.5–.35 3.30S–.05 152.28E–.08 33 4.2b,3.2s **¶601562078**
IDC VII 05 04 06 46.1–10 3.46S 152.32E 60–96 4.1,4.1
NEIC VII 05 04 06 46.2–1.4 3.43S 152.25E 57–13 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.8km az=13.7.
IDC Error ellipse: s-maj=49.9km s-min=22.9km az=101.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.7km az=96.0.
ISC VII 07 03 35 29.4–.32 4.71S–.03 153.34E–.03 44–2 5.5b,5.3s 1293 1-169
BJI VII 07 03 35 25.4 4.49S 153.77E 31 5.5b,5.4b **¶601505951**
ISCJB VII 07 03 35 27.7–.65 4.69S–.02 153.30E–.02 40–5 5.5b,5.2s
MOS VII 07 03 35 27.2–.94 4.62S 153.33E 33 5.8b,5.2s
IDC VII 07 03 35 29.0–.83 4.70S 153.33E 38–5 5.4,5.2b
GCMT VII 07 03 35 28.6–.10 4.84S 153.22E 50–0 5.8W,5.2b
NEIC VII 07 03 35 28.6–.09 4.65S 153.30E 35 5.7W,5.7W
NEIC VII 07 03 35 29.0–.00 4.88S 153.27E 50 5.7W,5.7W
DJA VII 07 03 35 33.1–.60 5S–3.0 153E–3.0 80–6 6.0b,5.7
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s132,c263; s134,c376;Duration: 1$8 Moment tensor: Scale 10^{17} Nm; M_{rr}3.22±.05 $M_{\theta\theta}$1.98±.04; $M_{\phi\phi}$-5.19±.04; $M_{r\theta}$-2.12±.05; $M_{\theta\phi}$0.70±.04; $M_{\theta r}$-1.08±.05; Best double couple: NP1:ϕ_s205.00000°,δ61.00000°,λ133.00000°. NP2:ϕ_s323.00000° ,δ50.00000°,λ39.00000°. Principal axes: T 4.9710,Plg53.0000°,Azm168.0000° ; N 0.3930,Plg37.0000°,Azm1.0000°; P -5.3530,Plg6.0000°,Azm266.0000° $M_0$5.16200×10^{17}
NEIC Event type fe. Felt at Arawa, Bougainville and at Rabaul, New Britain. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}4.75 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-4.73 $M_{r\theta}$-1.74 $M_{\theta\phi}$0.49 $M_{\theta r}$-1.14 Best double couple: NP1:ϕ_s193.00000°,δ54.00000°,λ113.00000°. NP2:

ϕ_s337.00000°,δ42.00000°,λ62.00000°. Principal axes: T 5.4700,Plg71.0000°,Azm159.0000° ; N -0.5800,Plg18.0000°,Azm358.0000°; P -4.8900,Plg6.0000°,Azm266.0000° $M_0$5.20000×10^{17}

NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}3.01 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-4.10 $M_{r\theta}$-2.29 $M_{\theta\phi}$0.44 $M_{\phi r}$-1.23 Best double couple: NP1:ϕ_s205.00000° ,δ62.00000°,λ127.00000°. NP2:ϕ_s327.00000°,δ45.00000°,λ41.00000°. Principal axes: T 4.7100,Plg55.0000°,Azm165.0000°; N -0.4100,Plg32.0000°,Azm5.0000° ; P -4.3100,Plg9.0000°,Azm269.0000° $M_0$4.50000×10^{17}

IDC	**VII**	**10 07 21 20.0–1.8**	**3.30S**	**152.16E**	**0**	**3.8,3.5**			
									¶601664375
IDC		Error ellipse: s-maj=126.6km s-min=25.3km az=126.0.							
IDC	**VII**	**19 02 43 24.1–2.3**	**2.85S**	**152.25E**	**0**	**3.9,3.6**			
									¶601664814
IDC		Error ellipse: s-maj=169.0km s-min=28.7km az=123.0.							
ISC	**VII**	**19 16 35 19.5–.55**	**3.81S–.09**	**153.21E–.07**	**35**	**4.3b**	**32**	**1-150**	
IDC	VII	19 16 35 13.6–1.1	3.90S	153.22E	0	4.1,3.8b			**¶601664840**
ISCJB	VII	19 16 35 17.7–.43	3.93S–.06	153.17E–.08	35	4.5b,3.8b			
NEIC	VII	19 16 35 23.4–.88	3.99S	153.12E	74–8	4.7b,3.8b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=49.8km s-min=19.2km az=113.0.							
ISCJB		Event type se. Error ellipse: s-maj=11.4km s-min=8.3km az=25.8.							
NEIC		Event type se. Error ellipse: s-maj=8.3km s-min=8.0km az=95.0.							
ISC	**VII**	**22 05 39 12.9–.27**	**4.10S–.04**	**153.60E–.04**	**35**	**5.3b,4.5s**	**478**	**1-158**	
IDC	VII	22 05 39 07.1–.46	4.16S	153.57E	0	5.0,4.9			**¶601456922**
DJA	VII	22 05 39 11.8–.70	4S–4.0	154E–5.0	48–7	5.7b,5.2b			
ISCJB	VII	22 05 39 12.2–.12	4.16S–.03	153.38E–.03	35	5.2b,4.5s			
BJI	VII	22 05 39 12.5	4.20S	153.40E	45	5.3b,5.0b			
GCMT	VII	22 05 39 13.4–.20	4.02S	153.62E	12	5.0W,5.0b			
MOS	VII	22 05 39 13.2–.96	4.07S	153.28E	46	5.4b,4.5s			
NEIC	VII	22 05 39 13.4–2.1	4.17S	153.38E	35–14	5.4b,4.5s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=15.0km s-min=9.6km az=100.0.							
ISCJB		Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=139.2.							
GCMT		Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s37,c44; s82,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.33±.10 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$1.84±.09; $M_{r\theta}$1.17±.30; $M_{\theta\phi}$2.33±.07; $M_{\phi r}$0.34±.24; Best double couple: NP1:ϕ_s238.00000°,δ59.00000° ,λ-61.00000°. NP2:ϕ_s12.00000°,δ42.00000°,λ-128.00000°. Principal axes: T 3.7510,Plg9.0000°,Azm308.0000°; N -0.9280,Plg24.0000°,Azm43.0000° ; P -2.8200,Plg64.0000°,Azm199.0000° $M_0$3.28600×10^{16}								
MOS		Error ellipse: s-maj=10.2km s-min=6.2km az=84.3.							
NEIC		Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=73.0.							
IDC	**VII**	**22 07 18 34.7–1.1**	**3.78S**	**153.87E**	**0**	**4.5L,4.1**			
									¶601664951
IDC		Error ellipse: s-maj=53.5km s-min=27.2km az=61.0.							
ISC	**VII**	**22 19 27 49.5–.64**	**4.25S–.09**	**153.68E–.08**	**100**	**3.7b**	**16**	**8-151**	
IDC	VII	22 19 27 46.8–3.1	4.12S	153.64E	71–29	4.0,3.9			**¶601664989**
ISCJB	VII	22 19 27 47.9–.61	4.22S–.07	153.67E–.06	100	3.7b,3.9			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	**VII**	**23 03 45 04.4–1.9**	**3.03S**	**152.19E**	**0**	**4.2,3.8**			
									¶601666296
IDC		Error ellipse: s-maj=133.5km s-min=25.8km az=125.0.							
IDC	**VII**	**23 08 37 34.0–1.8**	**3.07S**	**152.17E**	**0**	**4.1,3.8b**			
									¶601666301
IDC		Error ellipse: s-maj=129.5km s-min=25.1km az=124.0.							
IDC	**VII**	**23 10 45 51.9–2.1**	**3.52S**	**152.98E**	**0**	**4.0,3.7b**			
									¶601666304
IDC		Error ellipse: s-maj=158.7km s-min=29.4km az=126.0.							
IDC	**VII**	**25 11 02 52.0–2.3**	**4.25S**	**153.93E**	**0**	**4.0,3.8b**			
									¶601666419
IDC		Error ellipse: s-maj=126.9km s-min=23.1km az=121.0.							
IDC	**VII**	**28 02 37 40.9–3.5**	**4.46S**	**153.20E**	**0**	**3.7,3.5**			
									¶601666554
IDC		Error ellipse: s-maj=124.7km s-min=33.2km az=110.0.							
ISC	**VII**	**28 20 03 59.1–.28**	**4.65S–.03**	**153.17E–.03**	**59–1**	**6.3s,6.1b**	**2756**	**1-166**	
MOS	VII	28 20 03 55.2–.85	4.64S	153.21E	37	6.4b,6.2s			**¶601506076**
NEIC	VII	28 20 03 56.8–.08	4.65S	153.17E	41	6.5W,6.5W			
ISCJB	VII	28 20 03 56.4–.54	4.63S–.02	153.16E–.01	49–4	6.2s,6.1b			
GCMT	VII	28 20 03 56.8–.10	4.85S	153.07E	58–0	6.5W,6.1b			
IDC	VII	28 20 03 56.4–.76	4.66S	153.23E	34–4	6.0,5.9			
BJI	VII	28 20 03 57.0	4.66S	153.12E	50	6.5b,6.4s			
NEIC	VII	28 20 04 00.0–.00	4.63S	153.27E	60	6.5b,6.4s			
DJA	VII	28 20 04 03.6–.70	5S–3.0	153E–3.0	92–6	6.6,6.5b			
NEIC	VII	28 20 04 17.2–.00	4.80S	152.94E	59	6.6,6.5b			
ISC		Event type fe.							
MOS		Error ellipse: s-maj=5.8km s-min=4.8km az=98.0.							
NEIC		Event type fe. Error ellipse: s-maj=2.8km s-min=2.5km az=154.0. Felt at Kavieng and Namatanai. Also felt at Kokopo, New Britain. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$6.30000×10^{18} Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}6.96 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$-0.44 $M_{r\theta}$3.85 $M_{\theta\phi}$1.08 $M_{\phi r}$1.78 Best double couple: NP1:ϕ_s293.00000° ,δ33.00000°,λ116.00000°. NP2:ϕ_s84.00000°,δ61.00000°,λ74.00000°. Principal axes: T 8.4300,Plg70.0000°,Azm319.0000°; N -0.8400,Plg14.0000°,Azm91.0000° ; P -7.6000,Plg14.0000°,Azm185.0000° $M_0$8.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s279.00000°,δ31.00000°,λ107.00000°. NP2: ϕ_s80.00000°,δ60.00000°,λ80.00000°. Principal axes: T Plg73.0000°,Azm325.0000° ; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm177.0000°								
ISCJB		Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=13.5.							
GCMT		nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s151,c388; s151,c635;Duration: 4^{s}5 Moment tensor: Scale 10^{19} Nm; M_{rr}0.60±.00 $M_{\theta\theta}$-0.70±.00; $M_{\phi\phi}$0.09±.00; $M_{r\theta}$0.33±.00; $M_{\theta\phi}$0.13±.00; $M_{\phi r}$0.18±.00; Best double couple: NP1:ϕ_s81.00000°,δ60.00000°,λ68.00000°. NP2:ϕ_s299.00000° ,δ36.00000°,λ123.00000°. Principal axes: T 0.7410,Plg67.0000°,Azm308.0000° ; N 0.0440,Plg19.0000°,Azm92.0000°; P -0.7860,Plg13.0000°,Azm186.0000° $M_0$0.76400×10^{19}								
IDC		Error ellipse: s-maj=10.6km s-min=8.2km az=65.0.							
NEIC		Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}5.68 $M_{\theta\theta}$-6.36 $M_{\phi\phi}$0.68 $M_{r\theta}$4.43 $M_{\theta\phi}$1.15 $M_{\phi r}$2.53 Best double couple: NP1:ϕ_s76.00000°,δ66.00000° ,λ68.00000°. NP2:ϕ_s300.00000°,δ32.00000°,λ130.00000°. Principal axes: T 8.1600,Plg62.0000°,Azm310.0000°; N -0.3300,Plg19.0000°,Azm85.0000° ; P -7.8300,Plg17.0000°,Azm182.0000° $M_0$8.00000×10^{18}								
NEIC		Event type se. Moment Tensor Solution. s104 Moment tensor: Scale 10^{18}Nm; M_{rr}6.20 $M_{\theta\theta}$-6.76 $M_{\phi\phi}$0.57 $M_{r\theta}$2.84 $M_{\theta\phi}$1.56 $M_{\phi r}$1.76 Best double couple: NP1:ϕ_s300.00000° ,δ38.00000°,λ121.00000°. NP2:ϕ_s83.00000°,δ58.00000°,λ68.00000°. Principal axes: T 7.4100,Plg69.0000°,Azm307.0000°; N 0.1200,Plg18.0000°,Azm95.0000° ; P -7.5300,Plg10.0000°,Azm189.0000° $M_0$7.50000×10^{18}								
ISC	**VII**	**30 02 51 44.1–.50**	**5.18S–.08**	**153.10E–.08**	**43**	**4.3b,3.4s**	**46**	**7-156**	
IDC	VII	30 02 51 37.5–.58	5.10S	153.17E	0	4.3,4.3b			**¶601650756**
ISCJB	VII	30 02 51 42.4–.43	5.21S–.06	153.10E–.08	43	4.3b,3.4s			
NEIC	VII	30 02 51 43.2–1.2	5.12S	153.13E	37–11	4.7b,3.4s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=23.9km s-min=13.8km az=86.0.							
ISCJB		Event type se. Error ellipse: s-maj=11.3km s-min=8.1km az=22.0.							
NEIC		Event type se. Error ellipse: s-maj=9.0km s-min=8.5km az=71.0.							
ISC	**VIII**	**02 09 56 43.2–.28**	**4.66S–.03**	**153.34E–.03**	**61–2**	**5.8b**	**1641**	**1-162**	
MOS	VIII	02 09 56 38.7–.89	4.65S	153.32E	33	6.1b,5.6s			**¶604029635**
ISCJB	VIII	02 09 56 41.4–.54	4.66S–.02	153.29E–.02	55–4	5.8b,5.6s			
NEIC	VIII	02 09 56 41.7–.07	4.65S	153.28E	46	6.1W,6.1W			
IDC	VIII	02 09 56 41.6–.67	4.69S	153.33E	43–4	5.7,5.5b			
BJI	VIII	02 09 56 42.6	4.37S	153.53E	67	6.1b,6.0b			
GCMT	VIII	02 09 56 44.7–.10	4.93S	153.14E	54–0	6.1W,6.0b			
NEIC	VIII	02 09 56 44.0–.00	4.61S	153.13E	60	6.1W,6.0b			
DJA	VIII	02 09 56 44.1–.50	5S–3.0	153E–4.0	65–5	6.4,6.3			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{18} Nm; M_{rr}1.82 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.75 $M_{\theta\phi}$0.36 $M_{\phi r}$0.40 Best double couple: NP1: ϕ_s296.00000°,δ36.00000°,λ113.00000°. NP2:ϕ_s89.00000°,δ57.00000°,λ74.00000°. Principal axes: T 2.0800,Plg73.0000°,Azm317.0000°; N -0.2700,Plg13.0000°,Azm98.0000° ; P -1.8000,Plg10.0000°,Azm190.0000° $M_0$2.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s233.00000°,δ51.00000°,λ56.00000°. NP2: ϕ_s100.00000°,δ50.00000°,λ125.00000°. Principal axes: T Plg64.0000°,Azm77.0000° ; N Plg0.0000°,Azm0.0000°; P Plg1.0000°,Azm346.0000°								
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c319; s146,c487; Duration: 2^{s}7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-1.54±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$0.71±.01; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s79.00000°,δ60.00000° ,λ71.00000°. NP2:ϕ_s293.00000°,δ35.00000°,λ119.00000°. Principal axes: T 1.6250,Plg69.0000°,Azm309.0000°; N 0.0770,Plg16.0000°,Azm89.0000° ; P -1.7070,Plg13.0000°,Azm183.0000° $M_0$1.66600×10^{18}								
NEIC		Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}1.25 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.04 $M_{r\theta}$1.35 $M_{\theta\phi}$0.21 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s76.00000°,δ70.00000° ,λ74.00000°. NP2:ϕ_s297.00000°,δ25.00000°,λ128.00000°. Principal axes: T 2.0200,Plg61.0000°,Azm321.0000°; N -0.1500,Plg15.0000°,Azm81.0000° ; P -1.8700,Plg23.0000°,Azm178.0000° $M_0$1.90000×10^{18}								
ISC	**VIII**	**03 02 36 40.8–.35**	**4.62S–.05**	**153.07E–.06**	**55**	**4.8b,4.0s**	**158**	**1-158**	
NEIC	VIII	03 02 36 38.5–.27	4.55S	153.10E	35	4.8b,4.0s			**¶601513208**
ISCJB	VIII	03 02 36 39.0–.26	4.63S–.04	153.13E–.04	55	4.7b,3.9s			
BJI	VIII	03 02 36 40.5	4.25S	153.32E	63	5.2b,5.0b			
DJA	VIII	03 02 36 41.8–.80	5S–6.0	153E–7.0	44–8	5.8b,5.3			
IDC	VIII	03 02 36 42.5–1.6	4.69S	152.99E	70–14	4.7,4.4			
GCMT	VIII	03 02 36 42.5–.30	4.72S–.02	152.92E–.03	24–3	5.0W,4.4			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s64,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45±.21 $M_{\theta\theta}$0.29±.10; $M_{\phi\phi}$-1.74±.16; $M_{r\theta}$2.75±.44; $M_{\theta\phi}$-0.28±.11; $M_{\phi r}$2.30±.38; Best double couple: NP1:ϕ_s44.00000°,δ80.00000°,λ106.00000°. NP2:ϕ_s166.00000°,δ18.00000°,λ33.00000°. Principal axes: T 4.1580,Plg52.0000° ,Azm332.0000°; N -0.4770,Plg15.0000°,Azm222.0000°; P -3.6810,Plg33.0000° ,Azm121.0000° $M_0$3.92000×10^{16}								
ISC	**VIII**	**06 22 44 33.4–1.5**	**4.5S–.20**	**153.7E–.10**	**35**	**4.1b**	**16**	**8-151**	
ISCJB	VIII	06 22 44 32.4–1.6	4.7S–.20	153.6E–.10	35	4.0b,3.4s			**¶601582215**
NEIC	VIII	06 22 44 32.8–1.3	4.47S	153.68E	35	4.1b,3.4s			
IDC	VIII	06 22 44 35.6–7.1	4.64S	153.59E	50–52	4.2,4.1			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=35.3km s-min=12.8km az=165.6.							
NEIC		Event type se. Error ellipse: s-maj=28.4km s-min=15.3km az=185.0.							
IDC		Error ellipse: s-maj=52.3km s-min=27.0km az=15.0.							
ISC	**VIII**	**07 14 47 53.1–.58**	**5.41S–.08**	**153.45E–.09**	**43**	**3.8b**	**37**	**2-151**	
IDC	VIII	07 14 47 46.8–.69	5.41S	153.53E	0	4.1,4.0			**¶601564307**
ISCJB	VIII	07 14 47 51.3–.46	5.44S–.07	153.51E–.08	43	3.9b,3.2s			
NEIC	VIII	07 14 47 52.8–1.2	5.45S	153.38E	39–11	4.6b,3.2s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=23.8km s-min=16.6km az=92.0.							
ISCJB		Event type se. Error ellipse: s-maj=11.3km s-min=9.5km az=164.2.							
NEIC		Event type se. Error ellipse: s-maj=9.5km s-min=9.1km az=141.0.							
ISC	**VIII**	**09 12 58 56.8–1.1**	**4.0S–.20**	**153.0E–.20**	**35**	**3.6b**	**9**	**8-150**	
IDC	VIII	09 12 58 51.6–1.1	4.04S	152.80E	0	4.0,3.8			**¶601765702**
ISCJB	VIII	09 12 58 55.2–1.2	4.1S–.20	152.9E–.10	35	4.3s,3.6b			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**VIII**	**21 04 22 29.8–.59**	**5.85S–.07**	**153.79E–.09**	**100**	**3.9b**	**48**	**2-152**	
IDC	VIII	21 04 22 16.7–.88	5.61S	154.15E	0	4.3,4.2			**¶601738920**
ISCJB	VIII	21 04 22 28.7–.49	5.71S–.07	153.89E–.08	100	3.9b,4.2			
NEIC	VIII	21 04 22 28.6–1.4	5.75S	153.92E	88–11	4.3b,4.2			
ISC		Event type se.							
IDC		Error ellipse: s-maj=30.5km s-min=20.4km az=97.0.							
ISCJB		Event type se. Error ellipse: s-maj=12.1km s-min=8.9km az=157.4.							
NEIC		Event type se. Error ellipse: s-maj=14.7km s-min=9.9km az=89.0.							
ISC	**VIII**	**27 18 40 16.1–1.0**	**5.4S–.10**	**153.2E–.10**	**100**	**3.4b**	**11**	**7-151**	
ISCJB	VIII	27 18 40 14.6–.91	5.4S–.10	153.2E–.10	100	3.4b			**¶601766582**
IDC	VIII	27 18 40 14.9–4.6	5.40S	153.25E	90–38	3.8,3.6			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=20.2km s-min=12.2km az=151.6.							
IDC		Error ellipse: s-maj=28.7km s-min=21.2km az=55.0.							
IDC	**VIII**	**29 07 11 16.2–3.0**	**3.70S**	**151.42E**	**0**	**3.9,3.7**			
									¶601755549
IDC		Error ellipse: s-maj=112.5km s-min=43.0km az=121.0.							
ISC	**IX**	**04 02 08 27.2–.53**	**5.83S–.07**	**153.50E–.08**	**32**	**4.3b**	**43**	**2-151**	
IDC	IX	04 02 08 22.1–.83	5.89S	153.50E	0	4.1,4.1			**¶601833337**
NEIC	IX	04 02 08 24.1–.39	5.94S	153.39E	10	4.6b,4.1			
ISCJB	IX	04 02 08 25.6–.43	5.92S–.06	153.47E–.07	32	4.4b,4.1			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
ISC	**IX**	**07 02 03 02.5–.79**	**3.7S–.10**	**151.5E–.20**	**400**	**3.7b**	**13**	**7-149**	
ISCJB	IX	07 02 03 01.2–.63	3.6S–.10	151.5E–.10	400	3.7b			**¶601863087**
IDC	IX	07 02 03 01.6–2.8	3.60S	151.58E	391–31	4.1,3.6			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=20.6km s-min=12.1km az=22.7.							
IDC		Error ellipse: s-maj=20.9km s-min=18.2km az=110.0.							
IDC	**IX**	**08 02 49 00.9–1.9**	**3.75S**	**151.96E**	**0**	**3.7,3.5**			
									¶601863143
IDC		Error ellipse: s-maj=79.5km s-min=20.7km az=122.0.							
IDC	**IX**	**13 10 30 56.9–2.1**	**3.52S**	**151.34E**	**0**	**3.7,3.4**			
									¶601863460
IDC		Error ellipse: s-maj=180.4km s-min=29.6km az=125.0.							
ISC	**IX**	**14 04 16 59.3–.94**	**5.5S–.20**	**153.8E–.20**	**74**	**3.8b**	**12**	**8-151**	
IDC	IX	14 04 16 56.8–6.8	5.44S	153.79E	50–64	4.0,3.9			**¶601863501**
ISCJB	IX	14 04 16 57.6–.84	5.5S–.10	153.8E–.20	74	3.7b,3.9			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	**IX**	**14 19 11 15.4–4.7**	**4.59S**	**153.74E**	**0**	**3.7,3.5**			
									¶601863545
IDC		Error ellipse: s-maj=132.3km s-min=38.7km az=112.0.							
ISC	**IX**	**16 12 27 11.1–1.1**	**4.9S–.10**	**153.28E–.08**	**100**	**3.7b**	**13**	**8-151**	
IDC	IX	16 12 27 07.5–3.5	4.74S	153.26E	68–29	4.0,3.8			**¶601863650**
ISCJB	IX	16 12 27 10.1–1.2	5.0S–.10	153.29E–.06	100	3.7b,3.8			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	**IX**	**25 08 29 25.7–3.0**	**5.62S**	**153.96E**	**0**	**3.9,3.7**			
									¶601864143
IDC		Error ellipse: s-maj=104.2km s-min=42.5km az=122.0.							
IDC	**IX**	**28 07 28 17.0–7.0**	**3.50S**	**150.10E**	**0**	**3.5,3.4**			
									¶601864340
IDC		Error ellipse: s-maj=221.3km s-min=33.9km az=102.0.							
IDC	**IX**	**28 10 45 16.9–8.2**	**3.59S**	**152.04E**	**400–90**	**3.9,3.5**			
									¶601864354
IDC		Error ellipse: s-maj=56.4km s-min=31.4km az=140.0.							
ISC	**X**	**03 02 58 20.8–.85**	**5.1S–.10**	**153.6E–.10**	**56**	**3.9b**	**14**	**8-151**	
ISCJB	X	03 02 58 19.1–.77	5.1S–.10	153.5E–.10	56	3.9b			**¶601996881**
IDC	X	03 02 58 22.2–4.5	5.10S	153.50E	68–38	4.0,3.9			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=18.5km s-min=11.0km az=139.8.							
IDC		Error ellipse: s-maj=25.6km s-min=21.5km az=60.0.							
ISC	**X**	**03 15 08 52.4–.91**	**4.92S–.10**	**153.1E–.10**	**43**			**16 1-151**	
NEIC	X	03 15 08 48.3–.71	5.01S	153.13E	10	4.2b			**¶601829111**
IDC	X	03 15 08 48.7–1.8	4.19S	152.38E	0	4.1,4.1s			
ISCJB	X	03 15 08 50.4–.81	4.97S–.09	153.2E–.10	43	4.6b,4.2s			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
IDC	**X**	**06 09 35 05.0–1.9**	**3.73S**	**151.56E**	**0**	**4.0,3.7**			
									¶601997256
IDC		Error ellipse: s-maj=109.5km s-min=25.1km az=127.0.							
IDC	**X**	**11 04 36 15.6–2.1**	**3.69S**	**151.55E**	**0**	**3.8,3.5**			
									¶601997844
IDC		Error ellipse: s-maj=146.6km s-min=27.6km az=124.0.							
ISC	**X**	**13 23 39 01.4–.70**	**4.69S–.10**	**153.2E–.10**	**55**	**4.1b**	**18**	**8-151**	

IDC X 13 23 38 54.2–1.2 4.58S 153.17E 0 4.1,4.0 **¶601839926**
ISCJB X 13 23 38 59.6–.61 4.68S–.08 153.2E–.10 55 4.6s,3.9b
NEIC X 13 23 38 59.7–2.1 4.64S 153.14E 37–21 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=24.2km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=11.1km az=163.8.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.1km az=112.0.
IDC X 14 10 36 35.3–2.0 3.87S 151.30E 0 3.8,3.5
¶601998207
IDC Error ellipse: s-maj=162.9km s-min=28.0km az=125.0.
IDC X 14 12 42 14.8–6.7 0.88S 152.97E 0 3.5,3.3
¶601998214
IDC Error ellipse: s-maj=208.2km s-min=38.2km az=100.0.
IDC X 16 01 45 41.4–3.4 4.55S 153.18E 0 4.0s,4.0
¶601998416
IDC Error ellipse: s-maj=121.9km s-min=35.8km az=112.0.
ISC X 16 22 37 09.8–1.1 4.9S–.20 153.0E–.30 43 3.9b 13 8-151
IDC X 16 22 37 03.3–1.1 4.91S 153.10E 0 4.0,3.9 **¶601998584**
ISCJB X 16 22 37 08.0–1.1 4.9S–.10 153.0E–.20 43 3.7b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC X 18 20 04 18.2–4.2 3.29S 152.92E 439–43 4.0,3.3
¶601998839
IDC Error ellipse: s-maj=48.2km s-min=18.6km az=97.0.
IDC X 19 18 53 35.9–1.7 5.06S 153.90E 0 3.8,3.6
¶601998963
IDC Error ellipse: s-maj=59.9km s-min=29.5km az=114.0.
ISC X 19 23 31 08.7–.71 4.7S–.10 153.5E–.10 35 4.2b 20 8-151
IDC X 19 23 31 03.4–.76 4.67S 153.44E 0 4.2,4.1b **¶601861544**
ISCJB X 19 23 31 07.1–.66 4.76S–.09 153.5E–.10 35 4.0b,3.1s
NEIC X 19 23 31 08.6–.46 4.72S 153.44E 35 4.4b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=17.6km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=13.1km az=159.9.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.8km az=74.0.
ISC X 21 12 31 12.6–.70 5.35S–.09 153.1E–.10 37 4.1b 40 1-151
IDC X 21 12 31 07.5–1.0 5.23S 152.95E 0 4.1,4.0 **¶601866978**
ISCJB X 21 12 31 10.6–.55 5.31S–.07 153.1E–.10 37 4.1b,4.0s
NEIC X 21 12 31 13.4–1.2 5.25S 152.87E 37–9 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=19.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=8.8km az=22.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.5km az=115.0.
ISC X 29 21 20 33.8–.62 4.73S–.04 153.13E–.05 61–5 5.0b 374 1-158
MOS X 29 21 20 30.3–1.1 4.65S 153.15E 41 5.3b **¶601874265**
ISCJB X 29 21 20 31.2–.84 4.76S–.03 153.19E–.03 56–7 5.0b,4.1s
IDC X 29 21 20 32.5–1.2 4.82S 153.12E 50–10 4.9,4.7b
GCMT X 29 21 20 33.3–.20 5.02S–.02 153.16E–.02 49–1 5.0W,4.7b
NEIC X 29 21 20 33.4–.62 4.76S 153.22E 61–5 4.9b,4.7b
BJI X 29 21 20 36.2 4.19S 153.12E 75 5.1b,5.0b
DJA X 29 21 20 37.6–.80 5S–4.0 153E–5.0 128–9 5.5b,5.1b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c72; s62,c84;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.15 $M_{\theta\theta}$-3.07±.09; $M_{\phi\phi}$0.41±.11; $M_{r\theta}$1.58±.10; $M_{\theta\phi}$0.47±.09; $M_{\phi r}$0.54±.09; Best double couple: NP1:ϕ_s84.00000°,δ60.00000°,λ74.00000°. NP2:ϕ_s293.00000°,δ33.00000°,λ116.00000°. Principal axes: T 3.2130,Plg70.0000° ,Azm319.0000°; N 0.2940,Plg14.0000°,Azm92.0000°; P -3.5040,Plg14.0000°,Azm185.0000° M_o3.35800×10^{16}
NEIC Event type se.
ISC X 31 21 27 09.8–.39 4.73S–.05 153.36E–.06 85 4.6b 92 1-151
BJI X 31 21 27 02.6 4.57S 153.63E 44 5.0b,4.9s **¶601867033**
IDC X 31 21 27 03.9–.67 4.59S 153.37E 37–5 4.5,4.4
NEIC X 31 21 27 04.0–.36 4.61S 153.42E 35 4.8b,4.4
ISCJB X 31 21 27 08.8–.31 4.77S–.04 153.17E–.05 85 4.5b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 31 23 29 32.7–1.8 5.7S–.30 153.5E–.30 43 3.5b 9 7-151
IDC X 31 23 29 25.9–1.9 5.66S 153.65E 0 3.9,3.7 **¶602000672**
ISCJB X 31 23 29 32.0–1.4 5.6S–.20 153.3E–.20 43 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 01 01 56 49.0–8.0 4.66S 153.46E 133–57 4.2,3.9
¶602388653
IDC Error ellipse: s-maj=56.1km s-min=46.6km az=44.0.
ISC XI 02 11 38 56.8–.61 4.46S–.06 153.67E–.06 90–5 4.4b 81 2-151
NEIC XI 02 11 38 56.6–1.0 4.37S 153.72E 97–8 4.5b **¶601868283**
IDC XI 02 11 38 56.7–.75 4.57S 153.69E 85–5 4.3,4.1
ISCJB XI 02 11 38 57.1–.77 4.55S–.05 153.64E–.05 104–6 4.4b,4.1
BJI XI 02 11 38 57.4 4.36S 153.60E 106 4.9b,4.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=51.0.
IDC Error ellipse: s-maj=16.9km s-min=12.0km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.8km az=141.6.
ISC XI 02 17 57 10.1–.63 4.70S–.07 153.37E–.09 85 4.1b 40 1-151
IDC XI 02 17 56 59.6–.87 4.62S 153.45E 0 3.9,3.9b **¶602051245**
ISCJB XI 02 17 57 08.6–.46 4.68S–.05 153.39E–.06 85 4.0b,3.9b
NEIC XI 02 17 57 09.3–.99 4.68S 153.42E 75–8 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=14.7km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.6km az=14.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.6km az=97.0.
IDC XI 07 05 15 54.2–2.8 4.55S 153.73E 0 3.8s,3.8
¶602388944
IDC Error ellipse: s-maj=243.3km s-min=28.6km az=127.0.
ISC XI 12 06 19 46.6–2.1 5.7S–.30 154.0E–.40 118 3.5b 10 8-152
IDC XI 12 06 19 30.8–1.6 5.61S 154.27E 0 4.0,3.9 **¶602389277**
ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=26.8km az=118.0.
IDC XI 15 14 57 33.2–1.5 3.72S 150.08E 0 4.2,4.0b
¶602389466
IDC Error ellipse: s-maj=69.4km s-min=25.2km az=121.0.
ISC XI 15 16 33 06.9–.51 3.65S–.07 150.01E–.08 19 4.7b,3.7s 50 2-147
IDC XI 15 16 33 02.4–1.2 3.87S 150.34E 0 4.4,4.2 **¶601909876**
ISCJB XI 15 16 33 05.2–.37 3.61S–.05 149.82E–.07 19 4.5b,3.8s
NEIC XI 15 16 33 05.5–.48 3.60S 149.79E 10 4.8b,3.8s
BJI XI 15 16 33 05.7 3.36S 149.54E 7 4.9b,4.6b
GCMT XI 15 16 33 09.5–.40 3.55S–.02 149.84E–.03 24–2 4.8W,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c21; s64,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.17 $M_{\theta\theta}$0.56±.11; $M_{\phi\phi}$0.04±.12; $M_{r\theta}$-0.86±.17; $M_{\theta\phi}$1.80±.08; $M_{\phi r}$0.00±.14; Best double couple: NP1:ϕ_s90.00000°,δ81.00000°,λ-29.00000°. NP2:ϕ_s186.00000°,δ61.00000°,λ-169.00000°. Principal axes: T 2.2760,Plg13.0000° ,Azm141.0000°; N -0.4690,Plg59.0000°,Azm254.0000°; P -1.8070,Plg27.0000° ,Azm44.0000° M_o2.04200×10^{16}
ISC XI 17 03 44 33.8–.78 5.1S–.10 153.6E–.10 56 3.8b 16 8-151
ISCJB XI 17 03 44 32.3–.70 5.07S–.10 153.6E–.10 56 3.8b,3.4s **¶602389541**
IDC XI 17 03 44 34.8–4.3 5.08S 153.62E 66–36 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=13.2km az=26.5.
IDC Error ellipse: s-maj=29.9km s-min=19.1km az=74.0.
ISC XI 18 15 32 00.0–1.4 4.3S–.20 153.2E–.20 55 3.7b 8 8-150
ISCJB XI 18 15 31 58.6–1.3 4.4S–.20 153.1E–.10 55 3.5b **¶602389613**
IDC XI 18 15 32 05.5–5.9 4.60S 153.03E 101–49 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.7km s-min=14.4km az=146.6.
IDC Error ellipse: s-maj=41.5km s-min=26.9km az=7.0.
ISC XI 19 10 24 13.0–1.0 5.95S–.07 153.1E–.10 10 4.2b 18 2-151
ISCJB XI 19 10 24 12.7–1.2 5.93S–.09 153.1E–.10 10 4.0b **¶602210387**
NEIC XI 19 10 24 12.8–1.0 5.89S 153.23E 10 4.3b
IDC XI 19 10 24 21.0–1.9 5.78S 151.98E 0 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=13.2km az=170.6.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.1km az=49.0.
IDC Error ellipse: s-maj=109.4km s-min=26.0km az=128.0.
ISC XI 27 14 12 20.9–.85 4.71S–.09 153.2E–.10 55 4.2b 23 1-151
NEIC XI 27 14 12 18.8–.84 4.82S 153.39E 46–8 4.3b **¶602000843**
ISCJB XI 27 14 12 19.4–.67 4.70S–.08 153.16E–.10 55 4.0b,3.3s
IDC XI 27 14 12 21.4–5.8 4.69S 153.12E 59–50 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.5km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.3km az=31.5.
IDC Error ellipse: s-maj=33.4km s-min=27.5km az=25.0.
IDC XI 30 03 37 10.3–1.9 3.95S 152.31E 0 4.1,3.9b
¶602390217
IDC Error ellipse: s-maj=85.5km s-min=25.8km az=120.0.
IDC XI 30 15 02 13.5–2.2 3.48S 151.36E 0 3.6,3.4
¶602390240
IDC Error ellipse: s-maj=197.5km s-min=29.7km az=125.0.
IDC XI 30 20 02 33.6–1.8 2.67S 150.64E 0 4.0,3.7b
¶602390250
IDC Error ellipse: s-maj=151.8km s-min=27.6km az=123.0.
IDC XII 01 21 20 48.6–1.8 3.21S 151.01E 0 3.8,3.5b
¶602390298
IDC Error ellipse: s-maj=146.8km s-min=26.8km az=125.0.
ISC XII 12 21 57 57.0–.56 4.70S–.07 153.22E–.08 55 4.0b 46 1-151
IDC XII 12 21 57 49.3–.63 4.73S 153.25E 0 4.1,4.0 **¶602070468**
ISCJB XII 12 21 57 55.3–.45 4.74S–.05 153.16E–.06 55 3.9b,3.4s
NEIC XII 12 21 57 56.7–1.0 4.81S 153.25E 56–8 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=15.9km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.7km az=32.1.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.3km az=111.0.
IDC XII 14 00 04 03.1–2.2 5.28S 153.06E 0 3.8,3.6
¶602391289
IDC Error ellipse: s-maj=89.5km s-min=26.4km az=119.0.
ISC XII 14 02 14 25.2–1.9 5.1S–.40 153.4E–.50 56 3.3b 7 8-151
IDC XII 14 02 14 17.5–1.7 5.03S 153.45E 0 3.7,3.6b **¶602391293**
ISCJB XII 14 02 14 23.4–2.1 5.1S–.30 153.5E–.50 56 3.4b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 14 10 18 13.5–.39 5.55S–.05 153.44E–.05 43 4.6b 96 2-151
IDC XII 14 10 18 06.6–.57 5.54S 153.71E 0 4.4,4.4 **¶602347527**
ISCJB XII 14 10 18 11.4–.23 5.55S–.04 153.49E–.04 43 4.6b,3.7s
NEIC XII 14 10 18 12.2–.18 5.54S 153.51E 35 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.8km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=11.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=98.0.
ISC XII 14 17 46 41.3–1.1 5.31S–.05 153.48E–.05 9–6 5.0b 166 2-151
IDC XII 14 17 46 39.6–.52 5.24S 153.48E 0 4.4,4.4 **¶602043578**
BJI XII 14 17 46 41.8 5.17S 153.95E 32 5.4b,5.1s
ISCJB XII 14 17 46 42.6–.19 5.28S–.03 153.43E–.04 31 4.9b,4.5s
NEIC XII 14 17 46 45.3–.81 5.27S 153.40E 39–7 5.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=12.9km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=8.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=84.0.
ISC XII 15 05 28 58.3–.65 5.02S–.07 153.03E–.09 43 4.2b 35 1-151
ISCJB XII 15 05 28 56.9–.57 5.11S–.05 153.05E–.07 43 4.0b **¶602063645**
NEIC XII 15 05 28 57.4–.49 4.98S 153.02E 35 4.4b
IDC XII 15 05 28 58.9–4.5 4.97S 152.91E 48–40 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=177.7.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.9km az=92.0.
IDC Error ellipse: s-maj=29.4km s-min=23.9km az=47.0.
ISC XII 15 07 33 14.1–.26 4.84S–.04 153.46E–.04 56 5.1b,4.2s 388 1-158
MOS XII 15 07 33 11.4–.93 4.80S 153.43E 42 5.4b,4.2s **¶602043683**
IDC XII 15 07 33 12.8–1.6 4.84S 153.45E 44–15 4.9,4.7
ISCJB XII 15 07 33 12.6–.15 4.90S–.02 153.43E–.03 56 5.1b,4.2s
BJI XII 15 07 33 13.7 4.55S 153.61E 59 5.3b,5.2b
NEIC XII 15 07 33 14.4–.45 4.89S 153.41E 59–4 5.1b,5.2b
GCMT XII 15 07 33 14.4–.30 4.91S–.02 153.39E–.03 46–1 5.1W,5.2b
DJA XII 15 07 33 15.4–.80 5S–4.0 154E–6.0 79–9 7.1,6.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c71; s65,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.79±.23 $M_{\theta\theta}$-2.17±.18; $M_{\phi\phi}$-2.61±.17; $M_{r\theta}$-1.16±.18; $M_{\theta\phi}$2.31±.13; $M_{\phi r}$2.33±.18; Best double couple: NP1:ϕ_s325.00000°,δ59.00000°,λ97.00000°. NP2:ϕ_s131.00000°,δ31.00000°,λ78.00000°. Principal axes: T 5.4950,Plg75.0000° ,Azm255.0000°; N -0.1490,Plg6.0000°,Azm141.0000°; P -5.3360,Plg14.0000°,Azm50.0000° M_o5.41500×10^{16}
ISC XII 15 07 35 46.2–.96 4.9S–.20 153.4E–.20 56 4.3b 12 21-151
IDC XII 15 07 35 38.5–1.1 4.85S 153.36E 0 4.4,4.3 **¶602391369**
ISCJB XII 15 07 35 44.6–.78 4.9S–.10 153.4E–.20 56 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC XII 15 19 30 03.1–.28 4.64S–.03 153.08E–.03 59–2 6.0b,5.7s 2102 1-166
ISCJB XII 15 19 30 00.4–.55 4.60S–.02 153.02E–.01 46–4 5.9b,5.6s **¶602043763**
MOS XII 15 19 30 00.9–.92 4.59S 153.07E 52 6.4b,5.7s
IDC XII 15 19 30 01.0–1.0 4.63S 153.10E 37–7 6.0,6.0L
BJI XII 15 19 30 01.5 4.71S 152.92E 60 6.1b,6.1b
NEIC XII 15 19 30 02.2–.07 4.63S 153.02E 52 6.1W,6.1W
NEIC XII 15 19 30 03.0–.00 4.72S 152.96E 60 6.1W,6.1W
DJA XII 15 19 30 06.4–.70 5S–3.0 153E–3.0 89–6 6.4,6.3b
GCMT XII 15 19 30 06.2–.10 4.88S 152.95E 57–0 6.1W,6.3b
NEIC XII 15 19 30 20.5–.00 4.78S 152.87E 55 6.1W,6.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=11.0.
MOS Error ellipse: s-maj=6.1km s-min=4.9km az=102.5.
IDC Error ellipse: s-maj=10.5km s-min=7.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=2.4km az=138.0. Apparent Stress 0.20 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s37 Moment tensor: Scale 10^{18}Nm; M_{rr}1.70 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.86 $M_{\theta\phi}$0.25 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s291.00000° ,δ32.00000°,λ106.00000°. NP2:ϕ_s91.00000°,δ59.00000°,λ80.00000°. Principal axes: T 1.9500,Plg74.0000°,Azm336.0000°; N -0.3400,Plg9.0000°,Azm97.0000° ; P -1.6100,Plg14.0000°,Azm189.0000° M_o1.80000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s265.00000°,δ30.00000°,λ90.00000°. NP2: ϕ_s85.00000°,δ60.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm355.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm175.0000°
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}1.37 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.78 $M_{\theta\phi}$0.19 $M_{\phi r}$0.23 Best double couple: NP1:ϕ_s87.00000° ,δ60.00000°,λ78.00000°. NP2:ϕ_s290.00000°,δ32.00000°,λ110.00000°. Principal axes: T 1.6300,Plg71.0000°,Azm328.0000°; N -0.1200,Plg10.0000°,Azm92.0000° ; P -1.5100,Plg14.0000°,Azm185.0000° M_o1.60000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c319; s135,c464; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$-1.59±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.62±.01; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$0.15±.01; Best double couple: NP1:ϕ_s87.00000°,δ56.00000° ,λ81.00000°. NP2:ϕ_s282.00000°,δ35.00000°,λ102.00000°. Principal axes: T 1.6390,Plg77.0000°,Azm329.0000°; N 0.0800,Plg7.0000°,Azm92.0000° ; P -1.7160,Plg11.0000°,Azm184.0000° M_o1.67700×10^{18}
NEIC Event type se. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.57 $M_{\theta\phi}$0.15 $M_{\phi r}$0.22 Best double couple: NP1:ϕ_s285.00000° ,δ35.00000°,λ105.00000°. NP2:ϕ_s87.00000°,δ56.00000°,λ80.00000°. Principal axes:

T 1.6600,Plg76.0000°,Azm324.0000°; N -0.1400,Plg9.0000°,Azm93.0000° ; P -1.5300,Plg10.0000°,Azm185.0000° $M_0$1.60000×10^{18}
ISC XII 16 11 22 51.4–.87 4.7S–.10 153.1E–.10 55 3.9b 17 7-151
ISCJB XII 16 11 22 50.0–.72 4.73S–.09 153.0E–.10 55 3.9b,3.1s **¶602391461**
IDC XII 16 11 22 50.6–4.0 4.66S 153.20E 47–39 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=9.6km az=35.3.
IDC Error ellipse: s-maj=26.0km s-min=22.5km az=109.0.
ISC XII 17 08 37 18.7–1.9 5.5S–.40 153.1E–.40 37 3.4b 7 7-151
IDC XII 17 08 37 12.8–2.5 5.47S 153.25E 0 3.8,3.6 **¶602391530**
ISCJB XII 17 08 37 17.8–1.6 5.4S–.30 152.9E–.30 37 3.4b,2.6s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 18 16 00 26.0–.58 3.84S–.07 151.65E–.07 21 4.2b,3.5s 45 1-149
IDC XII 18 16 00 22.0–.86 3.96S 151.75E 0 4.2,4.1 **¶602047026**
ISCJB XII 18 16 00 24.3–.39 3.92S–.06 151.49E–.06 21 4.1b,3.5s
NEIC XII 18 16 00 25.7–1.7 3.94S 151.55E 19–11 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=14.7km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.5km az=31.7.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=128.0.
IDC XII 20 02 45 13.3–3.0 3.61S 151.47E 0 4.1,3.9
¶602391702
IDC Error ellipse: s-maj=109.6km s-min=42.8km az=121.0.
ISC XII 20 19 26 26.0–1.2 5.4S–.20 153.0E–.20 37 3.6b 12 7-151
IDC XII 20 19 26 20.2–1.4 5.36S 153.08E 0 3.9,3.8 **¶602391749**
ISCJB XII 20 19 26 24.3–1.0 5.3S–.10 152.9E–.20 37 3.7b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 14 49 35.5–.59 5.76S–.09 153.3E–.10 32 4.1b 31 7-151
IDC XII 27 14 49 30.5–.65 5.76S 153.34E 0 4.2,4.2 **¶602380679**
ISCJB XII 27 14 49 33.5–.52 5.78S–.07 153.30E–.08 32 4.0b,3.0s
NEIC XII 27 14 49 35.9–.41 5.79S 153.26E 35 4.1b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=14.2km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.9km az=30.6.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.6km az=104.0.

(191) North of Solomon Islands.
IDC IX 10 17 09 07.5–2.3 2.99S 154.32E 0 3.7,3.4
¶601863310
IDC Error ellipse: s-maj=178.9km s-min=29.5km az=126.0.
IDC IX 13 10 13 00.7–5.0 2.67S 154.61E 0 3.7,3.4
¶601863459
IDC Error ellipse: s-maj=247.4km s-min=53.6km az=118.0.

(192) New Britain region.
IDC VII 01 11 00 06.5–5.4 5.76S 151.49E 73–44 4.0,3.9
¶601663356
IDC Error ellipse: s-maj=95.0km s-min=29.6km az=131.0.
IDC VII 01 21 29 23.1–2.2 4.68S 152.02E 0 3.7,3.4
¶601663378
IDC Error ellipse: s-maj=156.2km s-min=30.6km az=127.0.
IDC VII 02 01 18 10.6–4.1 4.83S 151.03E 0 3.8,3.5
¶601663386
IDC Error ellipse: s-maj=175.0km s-min=48.9km az=116.0.
IDC VII 02 05 59 02.2–3.7 4.65S 152.78E 0 3.9,3.6
¶601663392
IDC Error ellipse: s-maj=170.3km s-min=47.0km az=121.0.
ISC VII 02 21 23 15.4–.43 6.67S–.06 153.69E–.07 29 4.7b,3.5s 111 3-157
IDC VII 02 21 23 10.7–.56 6.62S 153.62E 0 4.6,4.5 **¶601233551**
ISCJB VII 02 21 23 13.9–.32 6.67S–.05 153.59E–.05 29 4.6b,3.5s
BJI VII 02 21 23 14.9 6.34S 153.84E 36 4.9b,4.8b
NEIC VII 02 21 23 17.0–1.2 6.65S 153.54E 41–10 4.6b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=12.7km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.1km az=37.9.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=104.0.
ISC VII 04 03 15 25.5–.32 4.22S–.05 152.77E–.05 35 4.8b,3.8s 142 1-150
BJI VII 04 03 15 22.8 4.24S 152.90E 29 4.9b,4.8b **¶601237345**
ISCJB VII 04 03 15 23.5–.21 4.21S–.03 152.80E–.03 35 4.7b,3.8s
IDC VII 04 03 15 25.2–2.5 4.23S 152.69E 36–19 4.4,4.3
NEIC VII 04 03 15 26.3–.77 4.21S 152.77E 46–7 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=165.3.
IDC Error ellipse: s-maj=18.0km s-min=10.6km az=83.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=81.0.
ISC VII 04 09 33 33.6–1.1 5.8S–.10 148.2E–.10 200 4.1b 17 4-146
ISCJB VII 04 09 33 32.6–1.0 5.78S–.10 148.1E–.10 200 4.3b **¶601663469**
IDC VII 04 09 33 32.5–1.6 5.76S 148.17E 190–11 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=13.3km az=154.1.
IDC Error ellipse: s-maj=13.5km s-min=12.6km az=22.0.
IDC VII 04 10 01 04.6–1.9 4.43S 151.26E 0 3.8,3.5
¶601663471
IDC Error ellipse: s-maj=144.3km s-min=27.4km az=126.0.
IDC VII 07 03 56 13.4–4.5 4.76S 151.55E 0 3.5,3.2
¶601663572
IDC Error ellipse: s-maj=212.5km s-min=48.2km az=119.0.
IDC VII 07 09 53 31.3–5.1 4.60S 151.15E 100–46 3.5,3.4
¶601663586
IDC Error ellipse: s-maj=136.7km s-min=29.9km az=127.0.
IDC VII 07 21 08 56.4–3.5 6.16S 150.15E 0 3.9,3.7
¶601663606
IDC Error ellipse: s-maj=109.9km s-min=46.8km az=119.0.
ISC VII 08 22 32 47.7–.67 5.75S–.08 152.1E–.10 45 4.2b 40 2-150
IDC VII 08 22 32 42.0–.99 5.41S 151.83E 0 4.2,4.0b **¶601564432**
NEIC VII 08 22 32 50.8–1.3 5.49S 151.90E 70–11 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=17.5km az=118.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.9km az=124.0.
ISC VII 09 16 29 41.5–1.3 5.6S–.10 150.4E–.30 114 3.6b 10 15-88
ISCJB VII 09 16 29 40.5–1.3 5.4S–.10 150.5E–.30 114 3.5b **¶601664339**
IDC VII 09 16 29 46.8–3.1 5.64S 150.43E 164–28 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.2km s-min=12.5km az=21.5.
IDC Error ellipse: s-maj=41.8km s-min=12.2km az=116.0.
IDC VII 11 05 27 05.7–1.9 5.74S 150.78E 0 4.3,3.9
¶601664416
IDC Error ellipse: s-maj=120.2km s-min=27.2km az=125.0.
ISC VII 13 21 11 56.0–1.9 6.2S–.40 153.3E–.30 29 3.7b 10 7-151
IDC VII 13 21 11 50.9–2.4 6.26S 153.47E 0 3.8,3.7 **¶601664544**
ISCJB VII 13 21 11 55.5–1.4 6.1S–.30 153.1E–.20 29 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 14 00 16 24.6–2.2 4.62S 152.75E 0 3.9,3.7
¶601664546
IDC Error ellipse: s-maj=99.0km s-min=22.9km az=118.0.
IDC VII 14 16 34 03.6–7.5 4.49S 152.25E 110–52 3.7,3.4
¶601664574
IDC Error ellipse: s-maj=87.3km s-min=34.0km az=107.0.
ISC VII 18 04 54 53.0–1.1 5.7S–.20 149.8E–.30 150 4.1b 10 4-84
ISCJB VII 18 04 54 51.3–1.0 5.7S–.10 149.8E–.30 150 4.0b **¶601664774**
IDC VII 18 04 54 53.1–2.7 5.75S 149.74E 150–22 4.7s,4.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.0km s-min=9.7km az=24.5.
IDC Error ellipse: s-maj=42.9km s-min=14.6km az=103.0.
ISC VII 19 06 11 40.9–.37 5.71S–.04 148.62E–.06 163 4.5b 77 4-151
IDC VII 19 06 11 39.8–1.2 5.78S 148.79E 140–10 4.4,4.1 **¶601405109**
ISCJB VII 19 06 11 40.5–.33 5.79S–.03 148.58E–.07 163 4.4b,4.1
NEIC VII 19 06 11 40.1–.64 5.78S 148.70E 145–6 4.9b,4.1
BJI VII 19 06 11 40.0 5.78S 148.37E 178 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=7.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=10.3.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=102.0.
IDC VII 19 10 47 32.2–22 6.68S 149.22E 299–182 3.6,3.2
¶601664830
IDC Error ellipse: s-maj=139.1km s-min=86.9km az=57.0.
IDC VII 20 05 51 18.1–4.5 6.58S 149.18E 103–41 3.9,3.8
¶601664861
IDC Error ellipse: s-maj=113.8km s-min=33.7km az=127.0.
IDC VII 20 10 53 14.6–7.6 7.28S 150.45E 54–69 4.0,4.0
¶601664868
IDC Error ellipse: s-maj=90.5km s-min=37.9km az=126.0.
IDC VII 21 03 57 14.2–3.8 6.23S 148.35E 0 3.4,3.3
¶601664904
IDC Error ellipse: s-maj=124.9km s-min=34.6km az=105.0.
IDC VII 22 07 19 13.7–6.3 6.37S 151.25E 104–54 3.9,3.7
¶601664952
IDC Error ellipse: s-maj=74.6km s-min=32.2km az=116.0.
ISC VII 22 16 31 05.3–1.3 5.5S–.30 151.5E–.40 57 3.7b 8 6-149
ISCJB VII 22 16 31 04.2–1.1 5.4S–.30 151.4E–.30 57 3.7b,3.1s **¶601664980**
IDC VII 22 16 31 05.1–5.8 5.51S 151.54E 56–50 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=60.6km s-min=11.0km az=41.6.
IDC Error ellipse: s-maj=63.9km s-min=31.3km az=129.0.
IDC VII 23 18 48 42.5–3.0 6.44S 151.87E 0 3.8,3.6
¶601666329
IDC Error ellipse: s-maj=118.6km s-min=42.6km az=128.0.
ISC VII 23 19 14 18.9–1.4 6.2S–.20 151.2E–.30 43 3.8b 9 5-149
ISCJB VII 23 19 14 17.4–1.1 6.2S–.20 151.2E–.20 43 3.7b **¶601666332**
IDC VII 23 19 14 23.9–5.6 6.19S 150.92E 84–46 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.0km s-min=11.6km az=39.3.
IDC Error ellipse: s-maj=52.0km s-min=28.3km az=105.0.
IDC VII 23 19 38 07.4–3.0 6.72S 151.87E 0 4.0,4.0s
¶601666335
IDC Error ellipse: s-maj=121.1km s-min=43.0km az=129.0.
IDC VII 23 23 11 51.0–8.0 6.94S 149.32E 74–57 3.3,3.2
¶601666342
IDC Error ellipse: s-maj=117.9km s-min=55.8km az=123.0.
IDC VII 24 08 21 25.3–3.9 4.11S 152.41E 0 3.8,3.6
¶601666362
IDC Error ellipse: s-maj=194.0km s-min=46.4km az=120.0.
IDC VII 24 09 56 11.6–3.6 5.64S 150.59E 0 3.8,3.5
¶601666369
IDC Error ellipse: s-maj=139.3km s-min=47.6km az=116.0.
IDC VII 26 06 14 19.5–4.9 5.89S 150.12E 0 3.7,3.5
¶601666461
IDC Error ellipse: s-maj=145.0km s-min=34.5km az=106.0.
IDC VII 26 07 49 01.2–3.8 5.56S 149.86E 0 3.6,3.4
¶601666468
IDC Error ellipse: s-maj=142.1km s-min=41.8km az=114.0.
ISC VII 26 23 58 37.7–.45 4.28S–.04 152.31E–.05 179–3 4.8b 516 0-157
DJA VII 26 23 58 21.3–1.1 4S–6.0 153E–5.0 79–12 5.6b,5.2b **¶601506063**
MOS VII 26 23 58 36.3–.91 4.16S 152.22E 174 4.9b,5.2b
ISCJB VII 26 23 58 36.7–.60 4.26S–.03 152.23E–.03 179–5 4.8b,5.2b
NEIC VII 26 23 58 37.8–.48 4.23S 152.23E 178–4 4.9b,5.2b
IDC VII 26 23 58 37.8–.56 4.26S 152.23E 180–4 4.8,4.5
BJI VII 26 23 58 38.7 3.62S 152.34E 174 4.9b,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=7.0km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=17.3.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=92.0.
IDC Error ellipse: s-maj=11.2km s-min=6.9km az=97.0.
ISC VII 27 19 12 50.1–.50 4.59S–.06 152.91E–.07 55 4.6b,4.5s 67 1-150
ISCJB VII 27 19 12 48.4–.35 4.60S–.05 152.89E–.05 55 4.5b,4.3s **¶601666533**
IDC VII 27 19 12 51.7–4.1 4.64S 152.85E 68–36 4.3,4.2s
NEIC VII 27 19 12 51.8–.72 4.63S 152.88E 73–6 4.8b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.6km az=19.2.
IDC Error ellipse: s-maj=25.5km s-min=15.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=54.0.
ISC VII 28 17 00 39.5–.30 5.21S–.04 152.63E–.05 55 4.7b,4.3s 254 1-158
MOS VII 28 17 00 36.6–.97 5.07S 152.64E 37 5.0b,4.3s **¶601484768**
ISCJB VII 28 17 00 37.8–.20 5.20S–.03 152.71E–.04 55 4.7b,4.2s
NEIC VII 28 17 00 39.2–.67 5.17S 152.63E 55–6 4.8b,4.2s
IDC VII 28 17 00 39.3–2.2 5.18S 152.64E 53–19 4.5,4.4
BJI VII 28 17 00 40.6 4.55S 152.72E 55 4.9b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=7.3km az=116.4.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=2.9.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=108.0.
IDC Error ellipse: s-maj=15.2km s-min=9.4km az=107.0.
IDC VII 28 17 10 04.7–2.4 6.19S 148.05E 0 4.0,3.8
¶601666584
IDC Error ellipse: s-maj=75.9km s-min=24.8km az=96.0.
IDC VII 29 07 47 14.0–3.0 4.77S 152.02E 0 3.9,3.8
¶601666614
IDC Error ellipse: s-maj=130.2km s-min=39.6km az=123.0.
IDC VII 29 11 03 59.9–2.7 6.20S 148.42E 97–23 3.9,3.8
¶601666627
IDC Error ellipse: s-maj=73.4km s-min=13.9km az=124.0.
ISC VII 31 07 39 48.2–1.8 5.1S–.30 153.0E–.20 40 3.7b 9 7-151
IDC VII 31 07 39 55.8–6.8 5.30S 152.66E 94–50 3.9,3.7 **¶601650809**
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=41.5km az=15.0.
IDC VII 31 23 24 41.9–3.6 5.76S 150.60E 0 3.7,3.5
¶601650852
IDC Error ellipse: s-maj=149.0km s-min=46.5km az=118.0.
ISC VIII 01 16 21 36.4–2.1 6.5S–.10 148.5E–.30 51 3.8b 8 3-147
IDC VIII 01 16 21 42.0–3.9 6.60S 148.05E 92–26 4.0s,4.0 **¶601765319**
ISC Event type ke.
IDC Error ellipse: s-maj=54.7km s-min=22.5km az=86.0.
ISC VIII 02 22 53 14.4–.55 5.12S–.09 150.7E–.10 250 4.0b 31 6-153
ISCJB VIII 02 22 53 13.2–.56 5.09S–.07 150.71E–.10 250 3.9b **¶601765371**
IDC VIII 02 22 53 13.1–1.4 5.11S 150.75E 236–12 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=8.9km az=26.8.
IDC Error ellipse: s-maj=16.2km s-min=10.4km az=113.0.
IDC VIII 03 06 45 01.1–1.9 4.92S 151.74E 0 4.0,3.7
¶601765387
IDC Error ellipse: s-maj=117.8km s-min=25.7km az=129.0.
ISC VIII 03 20 49 11.0–.76 6.7S–.10 149.7E–.10 49 4.6b 22 3-148
IDC VIII 03 20 49 04.4–2.7 6.47S 149.54E 0 4.2L,4.1 **¶601706363**
ISCJB VIII 03 20 49 09.2–.55 6.66S–.09 149.60E–.10 49 4.5b,4.1
NEIC VIII 03 20 49 10.0–.63 6.72S 149.60E 35 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=38.2km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.2km az=42.3.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.8km az=126.0.
IDC VIII 04 03 15 17.7–2.5 5.53S 152.76E 0 4.0,3.7
¶601765429
IDC Error ellipse: s-maj=177.3km s-min=28.4km az=127.0.
IDC VIII 05 01 33 19.7–3.7 5.50S 150.58E 0 3.6,3.3
¶601765478
IDC Error ellipse: s-maj=149.7km s-min=48.5km az=117.0.
ISC VIII 05 04 26 38.6–1.1 5.1S–.10 151.1E–.10 200 4.1b 15 6-149
ISCJB VIII 05 04 26 36.8–.95 5.03S–.09 151.2E–.10 200 3.9b **¶601520346**
IDC VIII 05 04 26 39.4–2.2 5.10S 151.05E 205–17 4.3,3.9
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=11.5km az=16.4.
IDC Error ellipse: s-maj=23.9km s-min=13.6km az=99.0.
ISC VIII 05 17 39 04.8–1.2 5.2S–.30 151.4E–.30 129 3.3b 10 6-149
IDC VIII 05 17 39 02.2–4.7 5.08S 151.39E 104–40 3.6,3.5 ¶601765507
ISCJB VIII 05 17 39 03.9–1.1 5.2S–.30 151.3E–.30 129 3.3b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 06 11 24 57.5–7.3 5.74S 148.70E 108–56 3.3,3.1b
¶601765551
IDC Error ellipse: s-maj=83.2km s-min=53.0km az=132.0.
ISC VIII 09 04 53 49.4–.40 5.68S–.05 149.72E–.07 147 4.5b 122 3-153
ISCJB VIII 09 04 53 48.1–.26 5.63S–.04 149.69E–.05 147 4.3b ¶601533185
IDC VIII 09 04 53 48.4–.81 5.69S 149.70E 136–7 4.5,4.2
NEIC VIII 09 04 53 49.1–.58 5.67S 149.76E 145–5 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.1km az=24.8.
IDC Error ellipse: s-maj=13.0km s-min=7.2km az=110.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=113.0.
ISC VIII 09 13 10 10.0–1.0 5.4S–.20 151.6E–.20 57 3.9b,3.3s 12 6-149
IDC VIII 09 13 10 12.1–4.9 5.58S 151.56E 82–43 4.1,4.0 ¶601765704
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=27.3km az=133.0.
ISC VIII 10 19 19 51.3–.34 4.92S–.04 152.41E–.06 55 4.6b 170 1-155
ISCJB VIII 10 19 19 49.6–.18 4.92S–.03 152.37E–.04 55 4.6b,4.6s ¶601542025
BJI VIII 10 19 19 50.3 5.23S 152.33E 64 5.1b,4.8s
NEIC VIII 10 19 19 52.2–.65 4.90S 152.35E 66–6 4.6b,4.8s
IDC VIII 10 19 19 55.6–2.7 4.92S 152.24E 94–24 5.0s,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.9km az=1.8.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=82.0.
IDC Error ellipse: s-maj=17.0km s-min=11.1km az=74.0.
IDC VIII 12 13 19 15.0–6.6 4.94S 151.91E 76–52 3.7,3.6
¶601765776
IDC Error ellipse: s-maj=159.7km s-min=35.9km az=127.0.
IDC VIII 15 03 29 37.3–3.5 7.14S 151.61E 0 3.7,3.5
¶601765866
IDC Error ellipse: s-maj=135.1km s-min=46.0km az=127.0.
IDC VIII 17 20 20 47.4–6.2 5.52S 148.60E 148–49 3.8,3.5
¶601766012
IDC Error ellipse: s-maj=84.1km s-min=51.3km az=124.0.
IDC VIII 18 07 32 12.9–3.9 5.04S 152.12E 0 3.5,3.3
¶601766036
IDC Error ellipse: s-maj=179.7km s-min=47.9km az=120.0.
IDC VIII 18 11 42 45.4–3.1 6.44S 149.75E 0 3.4,3.2
¶601766054
IDC Error ellipse: s-maj=113.0km s-min=36.1km az=120.0.
IDC VIII 18 12 08 06.9–2.1 5.57S 150.75E 0 3.7,3.5b
¶601766057
IDC Error ellipse: s-maj=94.9km s-min=32.2km az=128.0.
ISC VIII 18 21 01 49.5–2.3 6.3S–.10 148.2E–.30 51 3.8b,3.1s 8 3-146
ISCJB VIII 18 21 01 48.5–2.3 6.31S–.08 148.1E–.30 51 3.6b,3.0s ¶601766105
IDC VIII 18 21 01 50.2–4.8 6.39S 148.22E 58–33 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.2km s-min=11.2km az=175.6.
IDC Error ellipse: s-maj=60.2km s-min=22.4km az=87.0.
ISC VIII 20 06 15 24.4–.78 5.8S–.10 151.2E–.10 43 4.2b 26 2-149
IDC VIII 20 06 15 18.3–.98 5.64S 151.17E 0 4.3,4.0 ¶601685257
ISCJB VIII 20 06 15 23.3–.62 5.8S–.10 151.1E–.10 43 4.2b,3.0s
NEIC VIII 20 06 15 27.3–1.1 5.87S 151.17E 68–10 4.2b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=21.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=8.6km az=139.3.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=7.9km az=133.0.
IDC VIII 20 07 16 00.9–3.3 4.86S 152.99E 0 3.6,3.4b
¶601766179
IDC Error ellipse: s-maj=135.4km s-min=45.6km az=125.0.
ISC VIII 20 14 23 34.3–.82 6.0S–.10 149.7E–.20 58 3.7b,3.4s 13 4-150
ISCJB VIII 20 14 23 32.9–.74 5.96S–.10 149.6E–.10 58 3.9b,3.4s ¶601582279
IDC VIII 20 14 23 36.1–1.9 6.09S 149.64E 77–16 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=9.2km az=33.7.
IDC Error ellipse: s-maj=23.4km s-min=10.4km az=126.0.
ISC VIII 20 16 12 06.3–.57 5.67S–.07 151.38E–.08 65 4.1b 26 2-149
ISCJB VIII 20 16 12 05.3–.49 5.75S–.06 151.34E–.07 65 3.9b ¶601605995
NEIC VIII 20 16 12 07.7–.75 5.68S 151.29E 83–9 4.1b
IDC VIII 20 16 12 08.8–4.8 5.51S 151.05E 91–39 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.0km az=38.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.1km az=128.0.
IDC Error ellipse: s-maj=46.4km s-min=23.5km az=107.0.
IDC VIII 21 01 46 54.7–3.2 6.02S 148.01E 0 4.2,4.1b
¶601766229
IDC Error ellipse: s-maj=75.3km s-min=33.6km az=98.0.
IDC VIII 23 20 19 27.2–3.6 5.13S 149.97E 0 3.7,3.5
¶601766367
IDC Error ellipse: s-maj=140.5km s-min=40.8km az=113.0.
IDC VIII 24 04 38 21.0–1.9 4.56S 151.89E 0 4.0,3.8
¶601766382
IDC Error ellipse: s-maj=115.3km s-min=26.2km az=129.0.
IDC VIII 24 21 49 14.6–7.6 5.23S 151.17E 94–53 4.1,3.9
¶601766415
IDC Error ellipse: s-maj=55.6km s-min=48.7km az=80.0.
IDC VIII 25 10 03 14.5–9.0 6.02S 150.42E 84–63 3.5,3.4
¶601766437
IDC Error ellipse: s-maj=115.2km s-min=59.6km az=121.0.
IDC VIII 25 11 23 46.8–1.9 5.70S 150.78E 0 3.7,3.5
¶601766439
IDC Error ellipse: s-maj=111.9km s-min=23.4km az=129.0.
IDC VIII 26 16 17 31.7–8.4 5.42S 151.64E 88–58 3.8,3.6
¶601766507
IDC Error ellipse: s-maj=97.4km s-min=54.6km az=126.0.
IDC VIII 26 23 55 44.4–2.3 5.57S 152.34E 0 3.8,3.5
¶601766517
IDC Error ellipse: s-maj=140.9km s-min=26.9km az=130.0.
ISC VIII 28 23 24 46.0–.94 6.8S–.20 153.4E–.10 100 3.7b 12 7-151
IDC VIII 28 23 24 43.2–6.1 6.77S 153.53E 76–49 4.0,3.9 ¶601755535
ISCJB VIII 28 23 24 44.5–.83 6.8S–.10 153.4E–.10 100 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 29 03 16 25.3–1.6 6.9S–.20 150.2E–.30 34 3.8b 9 4-148
IDC VIII 29 03 16 20.5–1.7 6.78S 150.03E 0 4.3,4.1 ¶601755546
ISCJB VIII 29 03 16 23.4–1.5 6.9S–.20 150.2E–.20 34 3.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 30 01 14 14.6–.53 5.24S–.07 151.01E–.09 155 4.2b 49 2-149
NEIC VIII 30 01 14 12.2–.79 5.15S 151.10E 132–8 4.5b ¶601755590
IDC VIII 30 01 14 12.5–2.1 5.19S 151.11E 135–18 4.2,3.9
ISCJB VIII 30 01 14 13.4–.37 5.21S–.05 151.04E–.06 155 4.2b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 30 13 14 37.6–3.3 5.21S 151.64E 78–26 4.0,3.9
¶601755620
IDC Error ellipse: s-maj=31.2km s-min=19.6km az=102.0.
IDC VIII 31 08 16 11.7–1.7 5.17S 152.48E 0 3.9,3.7b
¶601755653
IDC Error ellipse: s-maj=34.6km s-min=32.0km az=77.0.
ISC VIII 31 18 21 34.8–.26 4.98S–.04 151.94E–.04 85–2 5.0b 520 1-152
BJI VIII 31 18 21 32.1 4.87S 152.22E 78 5.2s,5.1 ¶601667576
MOS VIII 31 18 21 34.2–.87 4.94S 151.88E 92 4.8b,5.1
NEIC VIII 31 18 21 34.5–.12 4.95S 151.89E 82 5.2b,5.1
IDC VIII 31 18 21 34.9–.34 5.02S 151.86E 86–2 4.6,4.4
ISCJB VIII 31 18 21 35.1–.64 4.97S–.02 151.81E–.03 99–5 4.9b,4.4
DJA VIII 31 18 21 36.9–.80 5S–4.0 152E–6.0 98–11 5.8,5.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 02 02 55 10.9–3.5 5.29S 152.04E 0 3.6,3.4
¶601862762
IDC Error ellipse: s-maj=135.0km s-min=47.3km az=123.0.
IDC IX 02 11 27 30.4–2.1 4.99S 152.67E 0 3.6,3.4
¶601862782
IDC Error ellipse: s-maj=138.1km s-min=25.6km az=128.0.
ISC IX 02 11 52 54.7–.51 5.31S–.06 152.76E–.09 40 4.3b,3.2s 64 1-150
ISCJB IX 02 11 52 52.7–.37 5.32S–.06 152.76E–.07 40 4.2b,3.3s ¶601734430
IDC IX 02 11 52 56.0–4.2 5.29S 152.66E 53–37 4.1,4.0
NEIC IX 02 11 52 56.7–.89 5.27S 152.71E 61–7 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.7km az=37.6.
IDC Error ellipse: s-maj=20.5km s-min=18.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.7km az=119.0.
IDC IX 02 18 11 38.8–3.3 6.84S 149.00E 0 3.7,3.7L
¶601862798
IDC Error ellipse: s-maj=96.2km s-min=39.9km az=115.0.
ISC IX 03 14 53 18.0–2.3 6.8S–.70 150.0E–.80 43 3.6b 8 4-148
ISCJB IX 03 14 53 16.8–1.8 6.8S–.50 149.9E–.60 43 3.7b ¶601862871
IDC IX 03 14 53 18.6–5.2 6.78S 149.91E 45–47 4.2L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=117.0km s-min=13.7km az=41.7.
IDC Error ellipse: s-maj=97.9km s-min=34.2km az=134.0.
ISC IX 03 17 23 16.3–2.0 6.0S–.30 153.6E–.30 32 3.7b 11 7-151
IDC IX 03 17 23 11.8–2.2 5.97S 153.53E 0 3.9,3.8 ¶601862876
ISCJB IX 03 17 23 15.3–1.5 5.9S–.20 153.4E–.20 32 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IX 04 01 33 00.6–3.4 4.47S 151.59E 0 4.0,3.8
¶601862899
IDC Error ellipse: s-maj=121.8km s-min=46.0km az=120.0.
IDC IX 04 03 28 23.3–3.1 4.45S 151.70E 0 3.8,3.6
¶601862904
IDC Error ellipse: s-maj=115.3km s-min=43.4km az=122.0.
IDC IX 04 07 49 10.5–6.8 4.22S 151.46E 113–69 3.6,3.4
¶601862912
IDC Error ellipse: s-maj=57.7km s-min=24.9km az=139.0.
IDC IX 04 20 59 09.5–6.4 6.97S 148.59E 118–45 3.1,2.8
¶601862945
IDC Error ellipse: s-maj=116.9km s-min=56.6km az=120.0.
ISC IX 05 06 27 47.2–1.3 5.6S–.20 152.1E–.30 45 3.9b 12 6-150
IDC IX 05 06 27 40.7–1.4 5.52S 152.10E 0 4.2,4.0 ¶601862970
ISCJB IX 05 06 27 46.1–1.1 5.5S–.20 152.0E–.20 45 3.9b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 05 07 39 04.8–3.1 5.46S 152.23E 0 4.1,3.9
¶601862972
IDC Error ellipse: s-maj=109.2km s-min=42.6km az=126.0.
IDC IX 06 16 42 58.8–3.1 7.05S 151.95E 0 3.4s,3.4
¶601863057
IDC Error ellipse: s-maj=82.1km s-min=31.0km az=122.0.
ISC IX 09 16 59 36.9–1.8 6.1S–.30 152.4E–.30 36 3.7b 9 6-150
ISCJB IX 09 16 59 35.5–1.5 6.0S–.20 152.3E–.20 36 3.7b ¶601863245
IDC IX 09 16 59 41.4–6.4 6.17S 152.25E 73–50 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=48.4km s-min=12.4km az=44.6.
IDC Error ellipse: s-maj=58.3km s-min=32.3km az=119.0.
ISC IX 09 17 18 29.1–.99 4.8S–.10 152.9E–.20 43 4.0b 17 7-158
ISCJB IX 09 17 18 27.3–1.0 4.8S–.10 152.8E–.20 43 4.0b,3.5s ¶601863247
IDC IX 09 17 18 32.4–4.7 4.81S 152.80E 71–40 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.2km s-min=9.6km az=32.0.
IDC Error ellipse: s-maj=32.5km s-min=17.9km az=103.0.
ISC IX 11 03 26 43.9–1.3 5.4S–.30 152.1E–.30 45 4.0b 9 6-150
IDC IX 11 03 26 37.4–1.4 5.31S 152.13E 0 4.3,4.1 ¶601863329
ISCJB IX 11 03 26 43.1–1.1 5.4S–.30 151.9E–.30 45 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC IX 12 01 50 26.7–1.0 5.0S–.10 150.8E–.10 250 3.8b 16 6-148
ISCJB IX 12 01 50 24.9–.95 5.0S–.10 150.9E–.10 250 3.9b ¶601863393
IDC IX 12 01 50 27.5–1.6 5.05S 150.77E 255–12 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=12.1km az=135.2.
IDC Error ellipse: s-maj=19.8km s-min=13.3km az=140.0.
ISC IX 12 04 28 12.9–.39 5.05S–.03 152.23E–.04 53–3 5.5b,5.1s 1005 1-157
BJI IX 12 04 28 10.8 5.07S 152.50E 63 5.2b,5.1b ¶604029808
MOS IX 12 04 28 11.4–.83 4.92S 152.02E 45 5.7b,5.0s
DJA IX 12 04 28 12.4–.60 5S–4.0 152E–4.0 50–8 5.7b,5.2
NEIC IX 12 04 28 12.9–.09 5.02S 152.10E 50 5.6b,5.4W
IDC IX 12 04 28 12.6–.45 5.03S 152.14E 49–3 5.0,4.9
ISCJB IX 12 04 28 12.2–.73 5.05S–.03 152.07E–.02 53–6 5.4b,5.0s
GCMT IX 12 04 28 13.9–.10 5.28S–.01 152.23E–.01 45–0 5.4W,5.0s
NEIC IX 12 04 28 14.0–.00 5.07S 152.13E 45 5.4W,5.0s
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=6.4km az=72.1.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.8km az=136.0.
IDC Error ellipse: s-maj=9.8km s-min=7.7km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=154.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c206; s115,c226; Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$-1.69±.02; $M_{\phi\phi}$0.07±.02; $M_{r\theta}$0.60±.02; $M_{\theta\phi}$-0.45±.02; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s84.00000°,δ55.00000°,λ99.00000°. NP2:ϕ_s248.00000°,δ36.00000°,λ78.00000°. Principal axes: T 1.7390,Plg78.0000°,Azm27.0000°; N 0.1590,Plg7.0000°,Azm259.0000°; P -1.8910,Plg9.0000°,Azm167.0000° $M_0$1.81500×10^{17}
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-0.12 $M_{r\theta}$0.92 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_s74.00000°,δ61.00000°,λ84.00000°. NP2:ϕ_s265.00000°,δ29.00000°,λ100.00000°. Principal axes: T 1.8900,Plg73.0000°,Azm330.0000°; N -0.1000,Plg4.0000°,Azm76.0000°; P -1.7900,Plg15.0000°,Azm168.0000° $M_0$1.80000×10^{17}
ISC IX 12 20 59 18.1–.70 6.06S–.05 148.60E–.09 65–6 4.4b 69 4-147
NEIC IX 12 20 59 17.7–.31 5.98S 148.54E 58 4.5b ¶601819764
ISCJB IX 12 20 59 18.2–.85 6.04S–.04 148.62E–.07 80–8 4.2b
IDC IX 12 20 59 18.1–.87 6.02S 148.59E 62–6 4.4,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.8km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.6km az=21.2.
IDC Error ellipse: s-maj=23.5km s-min=8.0km az=103.0.
ISC IX 13 03 44 32.8–1.3 6.1S–.20 153.0E–.20 33 3.8b 12 7-151
ISCJB IX 13 03 44 31.5–.98 6.1S–.20 152.9E–.20 33 3.8b ¶601863449
IDC IX 13 03 44 34.0–6.0 6.15S 152.97E 41–49 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.2km s-min=10.2km az=42.9.
IDC Error ellipse: s-maj=47.7km s-min=23.2km az=111.0.
ISC IX 14 16 52 43.1–1.3 6.9S–.10 150.0E–.20 34 3.9b 15 4-148
ISCJB IX 14 16 52 40.9–1.0 6.92S–.10 150.0E–.20 34 3.8b,2.6s ¶601842076
IDC IX 14 16 52 45.0–4.8 6.99S 149.96E 53–39 4.3L,4.1
NEIC IX 14 16 52 45.8–2.2 6.99S 149.95E 63–18 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=9.3km az=24.9.
IDC Error ellipse: s-maj=42.4km s-min=21.0km az=101.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=13.1km az=97.0.
IDC IX 15 12 29 56.7–8.8 5.68S 151.04E 48–64 3.5,3.4
¶601863585
IDC Error ellipse: s-maj=99.9km s-min=59.6km az=124.0.

ISC IX 16 00 14 48.0–1.7 6.4S–.30 153.0E–.30 31 3.7b 8 6-151
IDC IX 16 00 14 43.0–1.9 6.40S 153.03E 0 3.9,3.9s ¶601863624
ISCJB IX 16 00 14 47.0–1.4 6.3S–.30 152.8E–.20 31 3.9s,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 16 11 13 57.8–1.1 5.0S–.20 151.7E–.20 150 3.9b 14 6-149
IDC IX 16 11 13 55.1–4.3 4.91S 151.78E 124–35 4.0,3.8 ¶601863645
ISCJB IX 16 11 13 57.0–1.1 4.9S–.20 151.6E–.20 150 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IX 16 18 37 26.0–2.9 6.11S 153.89E 0 3.5,3.4
¶601863668
IDC Error ellipse: s-maj=94.4km s-min=35.3km az=121.0.
ISC IX 17 20 07 55.0–.28 5.71S–.03 150.16E–.04 94–2 5.2b 548 3-155
BJI IX 17 20 07 51.3 6.07S 150.50E 104 5.4b,5.4b ¶601721784
ISCJB IX 17 20 07 54.7–.60 5.73S–.02 150.09E–.03 102–5 5.2b,5.4b
NEIC IX 17 20 07 54.4–.15 5.69S 150.12E 85 5.5W,5.4b
IDC IX 17 20 07 54.2–.38 5.77S 150.13E 85–3 5.3,5.0
MOS IX 17 20 07 55.1–1.2 5.70S 150.07E 107 5.2b,4.3s
GCMT IX 17 20 07 56.4–.10 5.81S–.01 150.21E–.01 88–1 5.5W,4.3s
DJA IX 17 20 07 58.0–.60 6S–3.0 150E–4.0 112–5 6.3,5.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10 $M_{\theta\theta}$1.33 $M_{\phi\phi}$-0.22 $M_{r\theta}$-1.61 $M_{\theta\phi}$0.28 $M_{\phi r}$-0.91 Best double couple: NP1:ϕ_s63.00000°,δ74.00000°,λ-102.00000°. NP2: ϕ_s280.00000°,δ20.00000°,λ-54.00000°. Principal axes: T 2.3100,Plg28.0000°,Azm163.0000° ; N -0.1500,Plg11.0000°,Azm66.0000°; P -2.1700,Plg59.0000°,Azm316.0000° $M_0$2.20000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s299.00000°,δ41.00000°,λ-49.00000°. NP2:ϕ_s70.00000°,δ60.00000°,λ-120.00000°. Principal axes: T Plg10.0000°,Azm181.0000°; N Plg0.0000°,Azm0.0000°; P Plg68.0000° ,Azm310.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c188; s127,c251;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.04 $M_{\theta\theta}$0.84±.03; $M_{\phi\phi}$-0.69±.03; $M_{r\theta}$-1.84±.02; $M_{\theta\phi}$-0.33±.03; $M_{\phi r}$-1.06±.02; Best double couple: NP1:ϕ_s60.00000°,δ88.00000°,λ-111.00000°. NP2:ϕ_s325.00000°,δ21.00000°,λ-6.00000°. Principal axes: T 2.3060,Plg39.0000° ,Azm170.0000°; N -0.0410,Plg21.0000°,Azm61.0000°; P -2.2640,Plg43.0000° ,Azm310.0000° $M_0$2.28500×10^{17}
IDC IX 19 03 04 41.5–3.6 6.12S 152.41E 0 4.0,3.8b
¶601863801
IDC Error ellipse: s-maj=124.5km s-min=51.3km az=125.0.
ISC IX 20 15 08 43.5–.62 6.27S–.10 149.2E–.10 53 4.3b,3.1s 38 4-147
ISCJB IX 20 15 08 42.1–.44 6.24S–.07 149.13E–.07 53 4.3b,3.1s ¶601846439
NEIC IX 20 15 08 44.5–1.1 6.30S 149.25E 62–11 4.4b,3.1s
IDC IX 20 15 08 45.8–2.6 6.29S 149.19E 73–21 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.9km az=135.6.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.5km az=130.0.
IDC Error ellipse: s-maj=24.3km s-min=17.3km az=121.0.
ISC IX 20 17 44 50.2–.50 5.72S–.04 149.86E–.06 115–4 4.8b 168 3-152
BJI IX 20 17 44 47.0 5.82S 150.25E 122 5.0b,4.8b ¶601734536
NEIC IX 20 17 44 49.1–.27 5.69S 149.85E 100 5.1b,4.8b
IDC IX 20 17 44 50.9–.62 5.72S 149.77E 120–5 4.6,4.3
ISCJB IX 20 17 44 50.7–.78 5.71S–.03 149.77E–.04 131–7 4.6b,4.3
DJA IX 20 17 44 50.7–1.4 6S–7.0 150E–11 111–10 5.6,5.6b
GCMT IX 20 17 44 51.1–.40 5.75S–.03 149.96E–.03 129–6 4.7W,5.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c23; s53,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.10 $M_{\theta\theta}$0.97±.10; $M_{\phi\phi}$-0.35±.10; $M_{r\theta}$-1.21±.07; $M_{\theta\phi}$0.08±.11; $M_{\phi r}$-0.60±.07; Best double couple: NP1:ϕ_s65.00000°,δ76.00000°,λ-107.00000°. NP2:ϕ_s296.00000°,δ21.00000°,λ-40.00000°. Principal axes: T 1.6880,Plg30.0000° ,Azm168.0000°; N -0.1960,Plg16.0000°,Azm69.0000°; P -1.4920,Plg56.0000° ,Azm314.0000° $M_0$1.59000×10^{16}
IDC IX 21 16 24 52.8–2.1 6.07S 148.77E 0 3.9,3.7
¶601863959
IDC Error ellipse: s-maj=181.7km s-min=27.5km az=121.0.
ISC IX 22 13 31 02.7–.33 6.33S–.05 151.23E–.05 36 4.9b,4.5s 203 2-156
IDC IX 22 13 30 56.9–.48 6.18S 151.17E 0 4.7,4.6 ¶604029860
MOS IX 22 13 31 00.2–1.2 6.23S 151.22E 35 4.9b,4.2s
ISCJB IX 22 13 31 00.9–.20 6.30S–.04 151.05E–.03 36 4.8b,4.5s
BJI IX 22 13 31 00.4 6.56S 151.37E 60 5.2b,4.9s
GCMT IX 22 13 31 03.3–.10 6.39S–.01 151.12E–.01 13–0 5.2W,4.9s
NEIC IX 22 13 31 04.3–.77 6.31S 151.12E 56–7 4.9b,4.9s
DJA IX 22 13 31 05.4–1.0 6S–5.0 151E–8.0 58–7 5.7b,5.5
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c155; s107,c205;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.02 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$-0.52±.03; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$-0.12±.03; Best double couple: NP1:ϕ_s77.00000°,δ64.00000°,λ-89.00000°. NP2:ϕ_s255.00000°,δ26.00000°,λ-92.00000°. Principal axes: T 0.8710,Plg19.0000° ,Azm166.0000°; N 0.0010,Plg1.0000°,Azm256.0000°; P -0.8710,Plg71.0000°,Azm348.0000° $M_0$0.87100×10^{17}
NEIC Event type se.
ISC IX 22 13 34 28.8–.45 6.13S–.07 151.13E–.09 43 4.7b 60 2-151
IDC IX 22 13 34 22.2–.57 6.11S 151.20E 0 4.7,4.6 ¶601863971
ISCJB IX 22 13 34 26.7–.34 6.13S–.05 151.07E–.07 43 4.6b,4.6
NEIC IX 22 13 34 28.6–.75 6.13S 151.05E 45–7 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=10.1km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.5km az=22.3.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.3km az=105.0.
IDC IX 22 13 57 39.9–3.4 5.84S 150.81E 0 3.6,3.3
¶601863995
IDC Error ellipse: s-maj=131.5km s-min=45.9km az=118.0.
IDC IX 22 14 24 37.8–3.5 5.71S 150.80E 0 3.7,3.5
¶601863996
IDC Error ellipse: s-maj=137.5km s-min=46.2km az=118.0.
IDC IX 22 16 10 17.7–3.0 5.85S 151.01E 0 4.0,3.9
¶601863999
IDC Error ellipse: s-maj=103.6km s-min=37.8km az=126.0.
ISC IX 23 03 56 37.3–.84 6.0S–.20 151.0E–.20 43 4.1b,3.3s 15 5-149
IDC IX 23 03 56 31.2–.83 5.91S 150.98E 0 4.3,4.1 ¶601782822
ISCJB IX 23 03 56 35.9–.71 5.9S–.10 150.9E–.20 43 4.0b,3.2s
NEIC IX 23 03 56 36.6–.50 5.94S 150.92E 35 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=17.5km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=9.6km az=41.1.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=9.2km az=127.0.
ISC IX 23 05 41 41.0–.47 6.35S–.06 151.22E–.08 36 4.5b,3.4s 59 2-151
ISCJB IX 23 05 41 39.2–.38 6.28S–.05 151.15E–.07 36 4.5b,3.4s ¶601839726
NEIC IX 23 05 41 42.3–.83 6.29S 151.17E 52–7 4.5b,3.4s
IDC IX 23 05 41 44.1–3.6 6.34S 151.12E 64–31 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.9km az=26.6.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=104.0.
IDC Error ellipse: s-maj=21.8km s-min=16.0km az=76.0.
IDC IX 23 14 33 49.8–9.1 6.41S 151.05E 100–63 3.6,3.6s
¶601864041
IDC Error ellipse: s-maj=105.4km s-min=58.2km az=120.0.
IDC IX 24 00 36 02.4–6.4 5.65S 150.52E 56–53 4.0,4.0
¶601864064
IDC Error ellipse: s-maj=71.2km s-min=34.6km az=118.0.
ISC IX 26 02 33 44.5–2.1 6.4S–.10 148.2E–.40 46 3.9b 9 3-146
IDC IX 26 02 33 37.6–2.2 6.43S 148.38E 0 4.1,4.0b ¶601864181
ISCJB IX 26 02 33 42.3–2.1 6.4S–.10 148.2E–.40 46 3.9b,3.6s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 28 20 57 31.9–3.5 6.47S 151.09E 0 3.6,3.3
¶601864366
IDC Error ellipse: s-maj=143.8km s-min=46.4km az=120.0.
ISC IX 29 00 58 24.9–.95 5.4S–.10 150.4E–.20 114 3.7b 13 5-148
ISCJB IX 29 00 58 23.5–.86 5.4S–.10 150.3E–.10 114 3.8b ¶601857476
IDC IX 29 00 58 30.0–2.1 5.56S 150.31E 166–19 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=9.9km az=32.3.
IDC Error ellipse: s-maj=23.8km s-min=12.1km az=121.0.
ISC IX 30 05 40 26.9–.54 6.39S–.07 149.22E–.09 49 4.2b,3.1s 48 4-152
IDC IX 30 05 40 19.9–.67 6.29S 149.39E 0 4.5L,4.2 ¶601857521
ISCJB IX 30 05 40 25.3–.40 6.39S–.05 149.19E–.07 49 4.2b,3.1s
NEIC IX 30 05 40 28.2–.93 6.42S 149.28E 62–9 4.5b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.8km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.6km az=27.8.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=118.0.
ISC X 01 04 22 47.4–.80 4.9S–.10 152.9E–.10 43 3.8b 12 7-151
ISCJB X 01 04 22 45.8–.79 5.0S–.10 152.9E–.10 43 3.8b,3.0s ¶601996354
IDC X 01 04 22 49.6–4.4 4.98S 152.84E 64–39 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=10.6km az=136.2.
IDC Error ellipse: s-maj=26.9km s-min=22.7km az=91.0.
ISC X 02 20 11 37.3–.89 4.9S–.20 151.1E–.20 155 3.6b 21 1-149
ISCJB X 02 20 11 36.6–.59 4.9S–.10 151.0E–.10 155 3.8b ¶601906636
IDC X 02 20 11 37.1–4.3 4.49S 150.60E 147–40 3.9,3.8
NEIC X 02 20 11 37.4–.78 5.16S 151.43E 170–7 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=7.2km az=43.3.
IDC Error ellipse: s-maj=94.0km s-min=28.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=8.6km az=120.0.
ISC X 03 06 26 18.3–.47 6.31S–.04 152.80E–.04 40–4 5.3b,4.2s 728 2-158
BJI X 03 06 26 14.3 6.06S 153.21E 31 5.2b,5.1b ¶601779580
ISCJB X 03 06 26 15.6–.12 6.29S–.03 152.72E–.02 30 5.2b,4.1s
GCMT X 03 06 26 16.9–.20 6.38S–.01 152.76E–.01 12 5.1W,4.1s
MOS X 03 06 26 16.8–1.1 6.22S 152.65E 38 5.4b,4.1s
NEIC X 03 06 26 17.9–.47 6.30S 152.72E 38–4 5.3b,4.1s
IDC X 03 06 26 19.6–1.7 6.29S 152.74E 53–15 5.0,4.8
DJA X 03 06 26 38.8–2.0 7S–10 153E–12 213–15 5.9b,5.5
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c95; s109,c184;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.42±.09 $M_{\theta\theta}$4.50±.08; $M_{\phi\phi}$0.92±.09; $M_{r\theta}$-1.40±.24; $M_{\theta\phi}$-1.72±.07; $M_{\phi r}$1.42±.34; Best double couple: NP1:ϕ_s120.00000°,δ55.00000°,λ-81.00000°. NP2:ϕ_s285.00000°,δ36.00000°,λ-102.00000°. Principal axes: T 5.5020,Plg10.0000° ,Azm203.0000°; N 0.3260,Plg7.0000°,Azm295.0000°; P -5.8280,Plg78.0000°,Azm60.0000° $M_0$5.66500×10^{16}
NEIC Event type se.
ISC X 03 21 02 40.6–.74 5.88S–.04 151.24E–.04 74–6 4.9b 212 2-151
MOS X 03 21 02 34.7–1.3 5.60S 151.16E 33 5.3b ¶601781436
IDC X 03 21 02 35.4–.49 5.72S 151.38E 34–3 4.7,4.6
ISCJB X 03 21 02 36.7–.89 5.80S–.04 151.16E–.03 49–8 4.8b,3.8s
BJI X 03 21 02 37.3 5.32S 151.39E 43 5.1b,4.6b
GCMT X 03 21 02 38.5–.40 5.98S–.02 151.32E–.03 35–1 4.9W,4.6b
NEIC X 03 21 02 38.5–.78 5.73S 151.20E 56–7 5.0b,4.6b
DJA X 03 21 02 45.0–1.9 6S–11 151E–12 97–11 5.5b,5.4
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c29; s64,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.69±.21 $M_{\theta\theta}$-0.56±.12; $M_{\phi\phi}$-2.13±.13; $M_{r\theta}$-0.45±.13; $M_{\theta\phi}$1.48±.08; $M_{\phi r}$-1.43±.10; Best double couple: NP1:ϕ_s169.00000°,δ58.00000°,λ113.00000°. NP2:ϕ_s309.00000°,δ39.00000°,λ57.00000°. Principal axes: T 3.2750,Plg68.0000° ,Azm127.0000°; N -0.0720,Plg20.0000°,Azm336.0000°; P -3.1980,Plg10.0000° ,Azm242.0000° $M_0$3.23600×10^{16}
NEIC Event type se.
ISC X 03 22 30 28.9–.80 5.4S–.10 152.0E–.20 45 4.2b,3.2s 21 6-150
ISCJB X 03 22 30 27.0–.85 5.4S–.10 152.0E–.10 45 4.3b,3.3s ¶601838462
IDC X 03 22 30 31.8–5.2 5.47S 151.88E 69–43 4.3,4.2
NEIC X 03 22 30 33.2–2.5 5.49S 151.83E 81–20 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=10.0km az=36.8.
IDC Error ellipse: s-maj=31.3km s-min=20.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=14.8km az=96.0.
IDC X 04 00 20 04.9–3.5 4.72S 151.39E 0 3.9,3.7
¶601996988
IDC Error ellipse: s-maj=126.9km s-min=47.1km az=119.0.
IDC X 04 02 28 41.0–5.8 5.58S 148.26E 0 3.8L,3.5
¶601996996
IDC Error ellipse: s-maj=176.7km s-min=33.1km az=103.0.
IDC X 04 14 52 42.5–7.1 6.24S 150.10E 109–47 3.7,3.5
¶601997044
IDC Error ellipse: s-maj=100.6km s-min=51.3km az=126.0.
ISC X 05 00 30 37.8–.73 4.8S–.10 152.2E–.10 70 4.2b 21 7-151
ISCJB X 05 00 30 36.6–.59 4.80S–.09 152.14E–.10 70 4.1b ¶601833140
IDC X 05 00 30 38.3–4.7 4.78S 152.16E 75–42 4.2,4.2
NEIC X 05 00 30 39.1–2.3 4.86S 152.16E 82–20 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.1km az=42.0.
IDC Error ellipse: s-maj=29.3km s-min=23.0km az=163.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=13.7km az=188.0.
IDC X 05 06 51 18.7–7.4 6.39S 151.28E 0 3.8,3.6
¶601997105
IDC Error ellipse: s-maj=115.7km s-min=71.4km az=38.0.
ISC X 05 20 02 52.6–.60 5.42S–.08 151.49E–.09 57 4.5b 36 1-149
ISCJB X 05 20 02 50.7–.55 5.39S–.07 151.49E–.08 57 4.5b ¶601906653
NEIC X 05 20 02 54.6–.68 5.43S 151.48E 79–7 4.7b
IDC X 05 20 02 54.2–3.1 5.43S 151.42E 71–22 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.2km az=36.7.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.7km az=122.0.
IDC Error ellipse: s-maj=36.7km s-min=19.2km az=113.0.
ISC X 07 08 36 33.0–.23 5.58S–.04 151.85E–.04 45 5.2b,4.6s 698 1-157
BJI X 07 08 36 27.4 5.61S 152.17E 31 5.1b,5.1b ¶601874133
MOS X 07 08 36 30.8–1.0 5.39S 151.71E 33 5.5b,4.9s
IDC X 07 08 36 31.8–1.2 5.48S 151.79E 36–9 4.9,4.8
NEIC X 07 08 36 32.2–.13 5.53S 151.79E 35 5.3b,4.8
ISCJB X 07 08 36 32.0–.12 5.51S–.03 151.66E–.02 45 5.1b,4.5s
GCMT X 07 08 36 34.2–.20 5.76S–.01 151.92E–.01 30–0 5.2W,4.5s
DJA X 07 08 36 37.2–.70 6S–4.0 152E–5.0 81–6 5.6b,5.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c140; s96,c161;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.72±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$0.44±.02; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.04±.02; Best double couple: NP1:ϕ_s87.00000°,δ61.00000°,λ101.00000°. NP2:ϕ_s246.00000°,δ31.00000°,λ71.00000°. Principal axes: T 0.8100,Plg72.0000° ,Azm22.0000°; N 0.0630,Plg9.0000°,Azm262.0000°; P -0.8730,Plg15.0000°,Azm170.0000° $M_0$0.84200×10^{17}
ISC X 07 09 38 16.6–1.2 5.4S–.20 151.7E–.30 57 3.8b 11 6-149
ISCJB X 07 09 38 15.4–1.1 5.3S–.20 151.6E–.30 57 3.8b ¶601997354
IDC X 07 09 38 16.9–5.4 5.41S 151.69E 59–46 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.2km s-min=10.3km az=39.6.
IDC Error ellipse: s-maj=54.2km s-min=27.3km az=125.0.
ISC X 07 18 06 41.8–.96 5.5S–.10 151.9E–.20 45 4.1b,3.6s 17 6-150
ISCJB X 07 18 06 40.3–.78 5.5S–.10 151.8E–.10 45 4.1b,3.6s ¶601997399
IDC X 07 18 06 43.3–2.5 5.55S 151.82E 60–20 4.2,4.1

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=9.0km az=34.2.
IDC Error ellipse: s-maj=32.1km s-min=11.9km az=123.0.
ISC X 07 23 06 48.8–1.2 5.4S–.20 151.8E–.30 45 4.0b,3.2s 11 6-150
ISCJB X 07 23 06 47.2–1.1 5.4S–.20 151.7E–.20 45 3.9b,3.2s **¶601997430**
IDC X 07 23 06 50.5–5.2 5.51S 151.78E 65–44 4.0,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.1km s-min=10.1km az=40.4.
IDC Error ellipse: s-maj=49.4km s-min=26.6km az=126.0.
IDC X 09 22 51 44.5–4.9 6.54S 150.88E 0 3.8,3.6
¶601997697
IDC Error ellipse: s-maj=143.2km s-min=34.5km az=107.0.
ISC X 10 15 29 32.1–.34 6.49S–.06 153.75E–.06 29 4.8b,3.7s 185 3-152
IDC X 10 15 29 27.4–.48 6.47S 153.76E 0 4.7,4.6 **¶601874140**
BJI X 10 15 29 30.7 6.28S 153.91E 29 5.1b,5.0s
ISCJB X 10 15 29 30.3–.26 6.49S–.04 153.75E–.04 29 4.7b,3.8s
MOS X 10 15 29 31.0–1.0 6.43S 153.75E 32 5.1b,3.8s
NEIC X 10 15 29 32.6–.79 6.48S 153.73E 36–7 4.8b,3.8s
DJA X 10 15 29 47.8–2.3 6S–10 153E–13 88–17 5.1b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 10 19 28 51.9–.77 6.19S–.10 151.9E–.10 36 4.3b 25 6-150
IDC X 10 19 28 46.2–.86 6.16S 151.96E 0 4.3,4.2 **¶601825961**
ISCJB X 10 19 28 50.5–.69 6.20S–.09 151.8E–.10 36 4.3b,3.3s
NEIC X 10 19 28 53.7–2.7 6.22S 151.88E 53–21 4.8b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=17.3km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=9.5km az=35.3.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=12.6km az=89.0.
ISC X 11 01 13 25.8–.50 6.49S–.10 153.73E–.08 35 4.4b 60 7-152
IDC X 11 01 13 19.9–.61 6.45S 153.79E 0 4.4,4.4 **¶601997820**
ISCJB X 11 01 13 24.5–.47 6.45S–.07 153.62E–.08 35 4.4b,3.5s
NEIC X 11 01 13 25.5–.30 6.50S 153.78E 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=14.8km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=39.2.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.2km az=108.0.
IDC X 11 16 07 25.1–3.1 5.78S 151.72E 0 3.8,3.6
¶601997906
IDC Error ellipse: s-maj=124.4km s-min=42.9km az=124.0.
IDC X 12 05 37 57.9–4.1 4.82S 150.49E 182–40 3.5,3.2
¶601997968
IDC Error ellipse: s-maj=65.9km s-min=26.0km az=122.0.
IDC X 12 09 15 41.0–2.4 6.97S 152.12E 0 3.7,3.5
¶601997985
IDC Error ellipse: s-maj=124.7km s-min=29.9km az=132.0.
ISC X 14 07 28 42.4–.49 5.59S–.07 150.03E–.07 35 4.2b 41 3-96
IDC X 14 07 28 37.8–.72 5.49S 150.00E 0 4.3,4.1 **¶601998190**
ISCJB X 14 07 28 40.7–.36 5.61S–.05 149.97E–.06 35 4.4b,3.4s
NEIC X 14 07 28 43.0–.77 5.63S 150.01E 42–8 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=15.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.7km az=24.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.0km az=115.0.
IDC X 14 10 33 37.4–2.1 4.45S 152.05E 0 4.0,3.7
¶601998206
IDC Error ellipse: s-maj=150.0km s-min=28.5km az=126.0.
IDC X 15 09 03 33.4–3.4 5.59S 151.78E 304–35 4.0,3.7
¶601998311
IDC Error ellipse: s-maj=48.3km s-min=14.6km az=125.0.
IDC X 15 12 28 47.6–8.5 5.35S 149.12E 0 3.7,3.5
¶601998331
IDC Error ellipse: s-maj=130.5km s-min=68.6km az=36.0.
ISC X 17 05 49 23.7–.43 4.92S–.04 151.72E–.05 160–3 4.9b 318 1-157
BJI X 17 05 49 21.0 4.79S 152.12E 162 5.0b,4.9b **¶601874168**
ISCJB X 17 05 49 23.2–.64 4.87S–.03 151.62E–.04 165–5 4.8b,4.9b
NEIC X 17 05 49 23.8–.55 4.85S 151.63E 160–4 4.9b,4.9b
IDC X 17 05 49 24.1–.59 4.87S 151.67E 161–4 4.9,4.6
DJA X 17 05 49 33.9–2.3 5S–9.0 151E–17 227–15 5.8b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 17 10 46 53.1–7.7 6.09S 148.62E 132–44 3.8,3.5
¶601998649
IDC Error ellipse: s-maj=66.7km s-min=54.9km az=59.0.
ISC X 18 21 15 02.8–.94 5.0S–.20 151.7E–.20 129 3.7b 11 22-149
ISCJB X 18 21 15 01.3–.89 4.9S–.10 151.6E–.20 129 3.7b **¶601998849**
IDC X 18 21 15 03.3–2.7 4.98S 151.65E 136–22 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=19.2km az=175.9.
IDC Error ellipse: s-maj=23.0km s-min=18.6km az=82.0.
ISC X 19 01 19 44.5–.56 4.76S–.05 152.23E–.07 90–4 4.8b 175 1-151
IDC X 19 01 19 43.8–.65 4.68S 152.18E 87–5 4.8,4.7 **¶601838856**
ISCJB X 19 01 19 43.5–.76 4.77S–.04 152.22E–.04 93–6 4.7b,4.7
BJI X 19 01 19 44.7 4.37S 152.22E 93 5.2b,4.9b
NEIC X 19 01 19 45.2–.67 4.72S 152.16E 98–6 4.8b,4.9b
GCMT X 19 01 19 45.2–.20 4.75S–.02 152.15E–.02 102–3 5.0W,4.9b
DJA X 19 01 19 49.3–1.5 5S–6.0 152E–10 134–13 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s90,c126;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.25±.16 $M_{\theta\theta}$-0.24±.17; $M_{\phi\phi}$-0.01±.16; $M_{r\theta}$-3.44±.09; $M_{\theta\phi}$-0.41±.22; $M_{\theta r}$-0.72±.09; Best double couple: NP1:ϕ_s258.00000°,δ87.00000°,λ95.00000°. NP2:ϕ_s14.00000°,δ6.00000°,λ26.00000°. Principal axes: T 3.4720,Plg47.0000° ,Azm174.0000°; N 0.1470,Plg5.0000°,Azm78.0000°; P -3.6190,Plg42.0000°,Azm343.0000° M_o3.54600×10^{16}
IDC X 19 08 16 58.0–2.6 6.38S 153.84E 0 3.7,3.4
¶601998901
IDC Error ellipse: s-maj=174.5km s-min=31.3km az=129.0.
IDC X 20 21 44 17.0–3.8 4.37S 151.98E 0 3.5,3.2
¶601999086
IDC Error ellipse: s-maj=151.8km s-min=50.8km az=118.0.
IDC X 20 23 42 24.2–2.1 6.09S 151.18E 0 3.9,3.6
¶601999098
IDC Error ellipse: s-maj=114.4km s-min=27.8km az=130.0.
IDC X 21 18 13 05.3–3.5 4.65S 151.40E 0 3.8,3.6
¶601999197
IDC Error ellipse: s-maj=125.8km s-min=48.2km az=119.0.
IDC X 22 11 13 15.5–1.3 5.14S 151.63E 0 4.4,4.1b
¶601999267
IDC Error ellipse: s-maj=52.6km s-min=25.4km az=124.0.
ISC X 22 13 11 04.8–1.1 6.5S–.10 153.6E–.20 35 3.7b 18 3-152
IDC X 22 13 10 58.6–1.3 6.66S 153.82E 0 4.0,3.8 **¶601874190**
NEIC X 22 13 11 00.8–.78 6.56S 153.69E 10 4.3b,3.8
ISCJB X 22 13 11 03.7–.96 6.5S–.10 153.5E–.20 35 3.7b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 22 17 54 57.1–3.3 5.94S 151.35E 0 3.8,3.6
¶601999297
IDC Error ellipse: s-maj=112.4km s-min=47.1km az=123.0.
ISC X 23 13 53 15.5–.96 6.0S–.10 151.6E–.10 50 3.8b 16 2-150
IDC X 23 13 53 09.6–1.1 5.27S 150.93E 0 4.2,3.9b **¶601874201**
ISCJB X 23 13 53 14.9–.95 6.0S–.10 151.5E–.20 50 3.8b,3.0s
NEIC X 23 13 53 16.4–1.6 5.95S 151.66E 71–14 4.0b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=81.6km s-min=22.8km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=11.3km az=27.2.

NEIC Event type se. Error ellipse: s-maj=27.6km s-min=9.5km az=126.0.
ISC X 24 04 26 31.4–1.3 6.9S–.20 148.7E–.30 47 4.0b 9 19-147
IDC X 24 04 26 25.3–1.4 6.82S 148.67E 0 4.6s,4.6 **¶601999445**
ISCJB X 24 04 26 30.2–1.1 6.9S–.20 148.5E–.20 47 4.5s,4.1b
ISC Event type ke.
ISCJB Event type ke.
IDC X 24 04 45 13.9–3.2 6.89S 148.85E 0 4.1,4.0b
¶601999450
IDC Error ellipse: s-maj=97.1km s-min=44.0km az=120.0.
IDC X 24 17 43 03.8–3.4 6.93S 148.78E 0 4.0,3.9b
¶601999512
IDC Error ellipse: s-maj=100.9km s-min=45.9km az=120.0.
ISC X 24 21 19 47.2–.51 5.49S–.07 151.87E–.09 45 4.5b,3.7s 68 1-150
ISCJB X 24 21 19 45.7–.33 5.42S–.05 151.84E–.06 45 4.7b,3.7s **¶601847458**
BJI X 24 21 19 46.6 5.40S 151.80E 47 5.0b,4.8s
NEIC X 24 21 19 47.6–1.2 5.41S 151.85E 48–10 4.7b,4.8s
IDC X 24 21 19 48.5–3.9 5.49S 151.89E 62–34 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=31.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=124.0.
IDC Error ellipse: s-maj=24.4km s-min=13.0km az=117.0.
ISC X 25 03 29 29.4–.61 6.30S–.09 150.9E–.10 36 4.3b,3.4s 31 2-151
ISCJB X 25 03 29 27.9–.51 6.29S–.07 150.9E–.10 36 4.3b,3.4s **¶601852882**
NEIC X 25 03 29 30.3–.99 6.27S 150.99E 50–10 4.4b,3.4s
IDC X 25 03 29 34.9–4.2 6.26S 150.83E 85–37 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.4km az=29.3.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.0km az=115.0.
IDC Error ellipse: s-maj=24.5km s-min=12.8km az=112.0.
IDC X 25 05 18 55.5–3.9 5.70S 152.97E 0 3.6,3.4
¶601999568
IDC Error ellipse: s-maj=178.8km s-min=49.8km az=124.0.
IDC X 25 13 05 47.8–2.0 5.55S 152.01E 0 4.3,4.1
¶601999609
IDC Error ellipse: s-maj=110.8km s-min=26.4km az=130.0.
IDC X 25 23 59 28.6–3.4 5.76S 149.53E 0 4.2,3.9
¶601999664
IDC Error ellipse: s-maj=102.3km s-min=44.9km az=117.0.
IDC X 27 03 22 10.1–1.2 6.06S 151.00E 0 4.3,4.0b
¶601999795
IDC Error ellipse: s-maj=49.1km s-min=25.0km az=123.0.
ISC X 27 20 13 03.2–.33 6.18S–.04 151.73E–.05 38–2 5.3b,4.8s 531 2-157
BJI X 27 20 12 57.2 6.31S 151.96E 24 5.2b,5.1s **¶601874220**
ISCJB X 27 20 13 02.0–.13 6.14S–.02 151.48E–.02 37 5.2b,4.7s
MOS X 27 20 13 02.6–1.1 6.04S 151.45E 41 5.2b,4.5s
NEIC X 27 20 13 03.3–.72 6.14S 151.53E 39–6 5.4b,4.8s
DJA X 27 20 13 03.2–1.3 6S–5.0 152E–7.0 42–11 5.8b,5.3
IDC X 27 20 13 04.3–.51 6.08S 151.54E 44–4 5.0,4.9
GCMT X 27 20 13 04.3–.20 6.43S–.02 151.63E–.01 13–0 5.1W,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c97; s101,c165;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.17±.17 $M_{\theta\theta}$1.01±.12; $M_{\phi\phi}$5.16±.14; $M_{r\theta}$-1.52±.32; $M_{\theta\phi}$-0.74±.10; $M_{\theta r}$0.76±.29; Best double couple: NP1:ϕ_s159.00000°,δ51.00000°,λ-103.00000°. NP2:ϕ_s360.00000°,δ41.00000°,λ-74.00000°. Principal axes: T 5.3800,Plg5.0000° ,Azm259.0000°; N 1.1290,Plg10.0000°,Azm168.0000°; P -6.5090,Plg78.0000°,Azm15.0000° M_o5.94500×10^{16}
IDC X 27 21 55 44.0–2.9 5.99S 151.01E 0 4.1,4.0
¶601999866
IDC Error ellipse: s-maj=69.4km s-min=46.2km az=110.0.
IDC X 28 18 05 01.1–2.4 6.58S 148.16E 0 3.6,3.5L
¶602000117
IDC Error ellipse: s-maj=59.6km s-min=28.9km az=105.0.
IDC X 29 01 03 56.4–3.4 5.68S 151.12E 0 4.2,4.0
¶602000179
IDC Error ellipse: s-maj=113.7km s-min=47.6km az=120.0.
IDC X 29 18 46 48.8–3.3 4.13S 151.72E 0 3.9,3.7
¶602000336
IDC Error ellipse: s-maj=115.3km s-min=45.1km az=119.0.
IDC X 29 21 47 26.8–3.9 5.98S 149.55E 0 3.9,3.7
¶602000362
IDC Error ellipse: s-maj=127.9km s-min=50.1km az=118.0.
ISC X 30 07 12 29.3–.26 4.59S–.04 151.92E–.05 153 5.1b 575 0-157
BJI X 30 07 12 25.8 4.51S 152.47E 159 5.2b,5.1b **¶601859282**
ISCJB X 30 07 12 28.0–.11 4.58S–.02 151.84E–.02 153 5.0b,5.1b
IDC X 30 07 12 30.8–1.8 4.55S 151.93E 168–15 5.2,4.8
MOS X 30 07 12 30.5–1.1 4.51S 151.77E 174 5.2b,4.8
NEIC X 30 07 12 31.0–.48 4.56S 151.87E 168–4 5.1b,4.8
GCMT X 30 07 12 32.0–.20 4.60S–.01 152.00E–.01 162–1 5.3W,4.8
DJA X 30 07 12 35.4–1.6 5S–7.0 152E–11 215–10 5.7b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c116; s125,c211;Duration: 1ş1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.02 $M_{\theta\theta}$-0.18±.03; $M_{\phi\phi}$-0.47±.03; $M_{r\theta}$0.60±.02; $M_{\theta\phi}$-0.13±.03; $M_{\theta r}$0.85±.02; Best double couple: NP1:ϕ_s33.00000°,δ75.00000°,λ94.00000°. NP2:ϕ_s197.00000°,δ15.00000°,λ74.00000°. Principal axes: T 1.2650,Plg59.0000° ,Azm309.0000°; N -0.1470,Plg4.0000°,Azm212.0000°; P -1.1180,Plg30.0000° ,Azm120.0000° M_o1.19100×10^{17}
ISC X 31 19 02 10.0–1.0 5.4S–.10 151.9E–.20 45 4.1b 14 6-150
ISCJB X 31 19 02 08.7–.89 5.4S–.10 151.9E–.20 45 3.9b **¶601902239**
IDC X 31 19 02 12.1–5.5 5.53S 151.92E 67–45 4.1,3.9
NEIC X 31 19 02 13.3–3.4 5.44S 151.83E 74–26 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=10.5km az=36.1.
IDC Error ellipse: s-maj=36.7km s-min=22.8km az=96.0.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=18.4km az=98.0.
IDC XI 01 05 15 18.3–3.8 5.02S 148.16E 0 4.1,3.9
¶602388663
IDC Error ellipse: s-maj=111.7km s-min=45.9km az=112.0.
IDC XI 01 22 46 23.6–1.7 6.28S 148.64E 0 3.9,3.9b
¶602388692
IDC Error ellipse: s-maj=76.1km s-min=22.3km az=123.0.
IDC XI 01 22 47 32.8–3.1 4.74S 151.54E 0 4.0,3.8
¶602388693
IDC Error ellipse: s-maj=111.7km s-min=43.8km az=120.0.
IDC XI 02 04 38 55.2–1.9 6.22S 151.84E 0 3.9,3.6
¶602388701
IDC Error ellipse: s-maj=117.6km s-min=24.7km az=132.0.
IDC XI 02 17 22 58.3–3.2 5.50S 149.14E 166–34 3.4,2.9
¶602388728
IDC Error ellipse: s-maj=134.1km s-min=25.9km az=117.0.
IDC XI 03 03 08 28.8–1.4 4.14S 152.64E 0 4.1,3.9
¶602388752
IDC Error ellipse: s-maj=39.3km s-min=31.4km az=160.0.
ISC XI 04 10 34 10.5–1.7 5.4S–.60 150.9E–.70 65 3.4b 9 5-149
IDC XI 04 10 34 01.4–1.4 5.26S 151.09E 0 3.9,3.7 **¶602388800**
ISCJB XI 04 10 34 09.2–1.9 5.4S–.50 150.8E–.70 65 3.3b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 04 19 00 24.1–.86 4.68S–.10 152.3E–.10 100 4.2b 32 7-124
ISCJB XI 04 19 00 23.4–.56 4.55S–.07 152.17E–.09 100 4.2b **¶602388819**
IDC XI 04 19 00 30.6–1.8 4.82S 152.12E 159–15 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=8.1km az=28.0.
IDC Error ellipse: s-maj=18.1km s-min=10.5km az=126.0.
IDC XI 05 10 36 16.4–5.0 6.55S 152.03E 0 3.5,3.4
¶602388858

IDC Error ellipse: s-maj=158.6km s-min=35.8km az=111.0.
IDC XI 05 14 09 32.7–13 6.01S 150.09E 62–120 3.9,3.9
¶602388868

IDC Error ellipse: s-maj=59.8km s-min=46.0km az=142.0.
IDC XI 05 14 10 23.8–1.7 5.83S 150.07E 0 4.7s,4.7
¶602388871

IDC Error ellipse: s-maj=83.2km s-min=30.3km az=117.0.
IDC XI 05 19 11 25.1–3.5 6.13S 149.11E 0 3.9,3.8
¶602388882

IDC Error ellipse: s-maj=96.1km s-min=41.6km az=111.0.
ISC XI 05 20 46 31.1–1.0 6.0S–.10 148.5E–.30 65 3.7b 11 4-147
ISCJB XI 05 20 46 29.4–.98 5.9S–.10 148.5E–.30 65 3.6b **¶602388885**
IDC XI 05 20 46 31.9–2.2 5.98S 148.51E 74–19 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.9km s-min=10.1km az=18.7.
IDC Error ellipse: s-maj=41.9km s-min=12.8km az=115.0.
ISC XI 09 10 21 48.9–.65 6.30S–.10 150.5E–.10 33 4.2b,3.5s 30 3-149
IDC XI 09 10 21 44.1–1.1 6.29S 150.31E 0 4.5,4.3b **¶602051340**
ISCJB XI 09 10 21 47.5–.57 6.33S–.07 150.45E–.09 33 4.1b,3.4s
NEIC XI 09 10 21 50.0–.88 6.29S 150.55E 51–10 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=16.4km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.4km az=35.1.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.8km az=123.0.
IDC XI 09 12 26 24.0–3.6 5.17S 151.43E 0 3.8,3.5
¶602389090

IDC Error ellipse: s-maj=145.6km s-min=47.6km az=117.0.
ISC XI 09 15 53 47.8–.81 5.8S–.10 151.8E–.10 45 4.1b 20 6-150
IDC XI 09 15 53 40.8–.81 5.74S 151.88E 0 4.5,4.3 **¶601882845**
ISCJB XI 09 15 53 46.0–.74 5.8S–.10 151.7E–.10 45 4.2b,3.1s
NEIC XI 09 15 53 46.2–.56 5.76S 151.81E 35 4.3b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=18.3km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=9.8km az=41.9.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.0km az=126.0.
IDC XI 09 16 23 43.3–3.3 5.73S 152.16E 0 4.0,3.8
¶602389102

IDC Error ellipse: s-maj=146.3km s-min=43.5km az=126.0.
IDC XI 09 16 24 51.9–1.8 4.55S 150.34E 0 4.0,3.7
¶602389103

IDC Error ellipse: s-maj=113.0km s-min=23.5km az=121.0.
IDC XI 09 22 04 07.8–3.8 5.60S 153.00E 0 3.6,3.3
¶602389112

IDC Error ellipse: s-maj=181.3km s-min=47.3km az=123.0.
IDC XI 10 06 02 08.2–3.4 4.88S 151.38E 0 4.0,3.8
¶602389137

IDC Error ellipse: s-maj=114.9km s-min=47.4km az=119.0.
ISC XI 10 07 57 58.3–.64 5.70S–.08 152.2E–.20 45 4.4b,3.4s 38 1-150
IDC XI 10 07 57 51.8–.96 5.64S 152.24E 0 4.5,4.2b **¶601883266**
ISCJB XI 10 07 57 56.9–.40 5.72S–.05 152.18E–.10 45 4.4b,3.5s
NEIC XI 10 07 57 57.0–3.0 5.69S 152.21E 33–21 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=19.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.1km az=21.9.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.1km az=114.0.
IDC XI 10 14 20 35.8–2.2 6.40S 148.52E 0 3.9,3.8b
¶602389159

IDC Error ellipse: s-maj=63.6km s-min=24.6km az=104.0.
ISC XI 11 01 03 00.6–1.1 5.6S–.20 151.5E–.30 57 3.9b 9 9-149
ISCJB XI 11 01 02 59.0–1.1 5.7S–.10 151.5E–.20 57 4.0b,3.2s **¶602389189**
IDC XI 11 01 03 08.4–4.0 5.70S 151.32E 124–39 4.3,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.3km s-min=17.6km az=19.6.
IDC Error ellipse: s-maj=27.4km s-min=18.2km az=127.0.
ISC XI 11 13 06 08.4–.49 5.83S–.08 151.81E–.08 36 4.3b,3.7s 48 2-157
IDC XI 11 13 06 02.8–.70 5.78S 151.82E 0 4.5,4.3 **¶601991715**
ISCJB XI 11 13 06 06.5–.38 5.85S–.05 151.77E–.06 36 4.3b,3.7s
NEIC XI 11 13 06 08.5–.64 5.82S 151.77E 40–6 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=17.9km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.7km az=20.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=115.0.
IDC XI 11 15 00 14.4–2.2 5.63S 151.82E 0 4.0,3.9
¶602389225

IDC Error ellipse: s-maj=140.5km s-min=29.4km az=126.0.
IDC XI 11 15 29 49.7–2.0 5.83S 151.86E 0 4.0,3.7
¶602389226

IDC Error ellipse: s-maj=113.4km s-min=26.1km az=130.0.
IDC XI 11 19 52 28.4–3.3 6.13S 151.09E 0 3.5,3.3
¶602389234

IDC Error ellipse: s-maj=113.8km s-min=45.6km az=123.0.
ISC XI 11 21 33 07.7–.60 5.51S–.04 151.82E–.04 53–5 5.2b,4.7s 711 1-157
IDC XI 11 21 33 05.0–2.0 5.44S 151.78E 28–13 4.8,4.8 **¶601991730**
MOS XI 11 21 33 05.2–.92 5.28S 151.63E 33 5.5b,4.8
ISCJB XI 11 21 33 05.4–.73 5.48S–.03 151.65E–.02 38–6 5.2b,4.7s
BJI XI 11 21 33 07.3 5.65S 151.98E 80 5.2b,5.1b
NEIC XI 11 21 33 07.7–.72 5.45S 151.69E 50–6 5.3b,5.1b
GCMT XI 11 21 33 08.7–.20 5.76S–.01 151.77E–.02 31–0 5.3W,5.1b
DJA XI 11 21 33 17.7–.80 5S–4.0 152E–5.0 132–8 5.7b,5.2
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kokopo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c130; s69,c109;Duration: 1ŝ0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.78±.02 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.05±.03; Best double couple: NP1:ϕ_s87.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s244.00000°,δ30.00000°,λ70.00000°. Principal axes: T 0.9590,Plg71.0000° ,Azm22.0000°; N 0.0290,Plg10.0000°,Azm261.0000°; P -0.9880,Plg16.0000°,Azm168.0000° $M_0$0.97300×10^{17}
IDC XI 12 00 01 06.8–3.6 6.42S 150.62E 0 3.7,3.5
¶602389255

IDC Error ellipse: s-maj=125.4km s-min=47.5km az=122.0.
IDC XI 12 01 40 00.3–3.5 6.43S 149.01E 0 3.5,3.4b
¶602389262

IDC Error ellipse: s-maj=106.9km s-min=47.0km az=118.0.
IDC XI 12 04 55 41.0–4.2 4.93S 151.29E 0 3.7,3.4
¶602389273

IDC Error ellipse: s-maj=187.3km s-min=48.7km az=117.0.
IDC XI 12 13 12 12.3–2.8 5.31S 149.91E 381–28 3.9,3.4
¶602389285

IDC Error ellipse: s-maj=53.0km s-min=21.0km az=117.0.
ISC XI 12 13 24 25.9–2.2 5.7S–.70 151.7E–.70 57 3.5b 7 6-150
IDC XI 12 13 24 18.9–1.9 5.50S 151.61E 0 3.9,3.7 **¶602389286**
ISC Event type ke.
IDC Error ellipse: s-maj=114.2km s-min=22.8km az=130.0.
ISC XI 12 13 24 44.9–2.2 5.8S–.70 151.9E–.70 45 3.8b,3.2s 7 6-150
IDC XI 12 13 24 38.6–1.9 5.68S 151.93E 0 4.2,4.0 **¶602389289**
ISC Event type ke.
IDC Error ellipse: s-maj=110.7km s-min=23.5km az=131.0.
ISC XI 12 13 52 17.4–.59 5.74S–.05 149.06E–.08 176–5 4.6b 93 3-153
ISCJB XI 12 13 52 17.1–.70 5.68S–.04 149.00E–.06 185–7 4.5b **¶601888252**
NEIC XI 12 13 52 17.1–.18 5.69S 149.06E 173 4.7b
IDC XI 12 13 52 17.7–.83 5.71S 149.02E 177–7 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=14.5.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=108.0.
IDC Error ellipse: s-maj=15.4km s-min=9.2km az=91.0.
IDC XI 12 18 13 43.7–2.2 4.38S 151.41E 0 3.5,3.3
¶602389300

IDC Error ellipse: s-maj=164.7km s-min=30.0km az=126.0.
ISC XI 12 18 51 34.0–.49 5.22S–.06 151.33E–.06 150 4.1b 49 1-149
ISCJB XI 12 18 51 32.8–.34 5.16S–.05 151.34E–.05 150 4.1b **¶602058446**
IDC XI 12 18 51 34.0–2.1 5.18S 151.31E 147–20 4.3,4.0
NEIC XI 12 18 51 34.4–.64 5.19S 151.33E 154–6 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=42.6.
IDC Error ellipse: s-maj=16.0km s-min=14.0km az=103.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.6km az=115.0.
ISC XI 12 21 21 53.1–2.3 5.2S–.30 151.0E–.50 100 3.9b 8 6-149
IDC XI 12 21 21 55.9–5.0 5.18S 150.73E 119–28 4.0,3.8 **¶602389307**
ISC Event type ke.
IDC Error ellipse: s-maj=79.3km s-min=23.6km az=107.0.
ISC XI 13 12 52 50.2–1.8 4.3S–.20 151.8E–.20 153 3.9b 7 7-149
ISCJB XI 13 12 52 48.8–2.0 4.2S–.20 151.8E–.20 153 4.0b **¶602389343**
IDC XI 13 12 52 50.5–6.7 4.29S 151.82E 152–50 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.2km s-min=17.0km az=152.3.
IDC Error ellipse: s-maj=56.3km s-min=30.9km az=4.0.
IDC XI 14 23 36 31.6–2.9 5.45S 151.77E 0 4.1,3.9
¶602389417

IDC Error ellipse: s-maj=115.3km s-min=37.2km az=128.0.
ISC XI 14 23 41 55.3–.55 6.06S–.04 151.73E–.04 31–3 5.3b,5.2s 444 2-166
IDC XI 14 23 41 45.7–.42 5.76S 151.77E 0 5.0,4.9 **¶601901488**
BJI XI 14 23 41 46.3 5.99S 152.24E 6 5.4b,5.2s
ISCJB XI 14 23 41 51.9–.14 5.95S–.03 151.48E–.03 11 5.2b,5.2s
NEIC XI 14 23 41 53.0–.00 5.94S 151.76E 25 5.2b,5.2s
MOS XI 14 23 41 55.1–1.6 5.90S 151.25E 36 5.5b,5.2s
NEIC XI 14 23 41 56.4–.22 5.86S 151.34E 35 5.6W,5.5b
GCMT XI 14 23 41 57.4–.10 6.01S–.01 151.85E–.01 22–0 5.6W,5.5b
DJA XI 14 23 41 59.4–.50 6S–4.0 152E–5.0 108–4 5.8b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46 $M_{\theta\theta}$-2.17 $M_{\phi\phi}$-0.29 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.76 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s64.00000° ,δ67.00000°,λ85.00000°. NP2:ϕ_s256.00000°,δ24.00000°,λ101.00000°. Principal axes: T 3.3900,Plg67.0000°,Azm324.0000°; N -0.0500,Plg4.0000°,Azm66.0000° ; P -3.3400,Plg21.0000°,Azm157.0000° $M_0$3.40000×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}1.15 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$0.32 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_s273.00000° ,δ31.00000°,λ110.00000°. NP2:ϕ_s69.00000°,δ62.00000°,λ78.00000°. Principal axes: T 1.4300,Plg71.0000°,Azm313.0000°; N 0.3500,Plg10.0000°,Azm75.0000° ; P -1.7800,Plg16.0000°,Azm168.0000° $M_0$1.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c200; s123,c285; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.62±.04 $M_{\theta\theta}$-2.19±.03; $M_{\phi\phi}$-0.43±.03; $M_{r\theta}$1.98±.06; $M_{\theta\phi}$-0.98±.02; $M_{\phi r}$0.34±.06; Best double couple: NP1:ϕ_s75.00000°,δ64.00000° ,λ98.00000°. NP2:ϕ_s238.00000°,δ27.00000°,λ75.00000°. Principal axes: T 3.3300,Plg70.0000°,Azm1.0000°; N -0.0550,Plg7.0000°,Azm251.0000° ; P -3.2760,Plg18.0000°,Azm159.0000° $M_0$3.30300×10^{17}
IDC XI 14 23 51 23.7–2.0 5.26S 151.35E 0 4.0,3.8
¶602389418

IDC Error ellipse: s-maj=110.4km s-min=26.0km az=128.0.
ISC XI 15 00 00 10.4–.46 5.87S–.06 151.84E–.08 36 4.7b 99 2-157
IDC XI 15 00 00 04.6–.53 5.76S 151.75E 0 4.7,4.6b **¶601902268**
BJI XI 15 00 00 06.1 5.80S 151.70E 9 5.2b,5.0s
ISCJB XI 15 00 00 09.1–.31 5.85S–.05 151.70E–.06 36 4.7b,5.0s
NEIC XI 15 00 00 10.6–.28 5.77S 151.66E 35 4.8b,5.0s
DJA XI 15 00 00 12.5–1.0 6S–7.0 152E–9.0 55–5 5.0,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 15 02 32 52.9–.55 5.70S–.07 151.69E–.09 57 4.2b,3.5s 47 2-150
IDC XI 15 02 32 45.3–.75 5.69S 151.71E 0 4.5,4.3 **¶602059968**
NEIC XI 15 02 32 50.5–.33 5.76S 151.72E 35 4.4b,4.3
ISCJB XI 15 02 32 51.3–.41 5.79S–.06 151.66E–.07 57 4.3b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 15 11 21 54.0–9.3 5.48S 151.00E 84–61 3.8,3.6
¶602389449

IDC Error ellipse: s-maj=67.9km s-min=61.6km az=17.0.
ISC XI 15 12 22 52.0–1.1 6.53S–.09 148.3E–.20 46 3.9b,3.5s 14 3-146
ISCJB XI 15 12 22 50.4–1.2 6.49S–.07 148.3E–.20 46 3.9b,3.5s **¶602389452**
IDC XI 15 12 22 51.4–2.7 6.48S 148.09E 36–18 4.2,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=10.0km az=6.1.
IDC Error ellipse: s-maj=44.1km s-min=14.5km az=113.0.
IDC XI 15 14 17 25.6–1.9 5.47S 151.62E 0 4.1,3.9
¶602389461

IDC Error ellipse: s-maj=105.0km s-min=24.5km az=129.0.
IDC XI 15 14 28 24.8–1.8 5.44S 151.44E 0 4.4,4.2
¶602389462

IDC Error ellipse: s-maj=98.3km s-min=22.3km az=129.0.
ISC XI 15 15 43 57.6–1.1 4.3S–.20 150.5E–.20 100 3.9b 14 2-148
IDC XI 15 15 43 44.5–1.9 3.84S 150.33E 0 4.1,3.8 **¶602006315**
NEIC XI 15 15 43 57.6–1.9 4.28S 150.43E 105–19 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=103.5km s-min=26.1km az=125.0.
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=14.4km az=138.0.
ISC XI 15 19 58 40.6–1.2 5.5S–.20 151.6E–.20 10 3.9b 18 6-151
ISCJB XI 15 19 58 39.4–1.2 5.4S–.10 151.5E–.20 10 3.9b,3.4s **¶602059960**
IDC XI 15 19 58 39.0–1.1 5.51S 151.60E 0 4.2,4.0
NEIC XI 15 19 58 45.8–2.5 5.45S 151.41E 43–19 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=13.0km az=36.3.
IDC Error ellipse: s-maj=44.6km s-min=21.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=11.5km az=108.0.
ISC XI 16 05 04 13.3–.90 5.92S–.09 152.1E–.10 35 4.0b 25 2-150
NEIC XI 16 05 04 13.4–.86 5.78S 151.84E 35 4.1b **¶601992158**
IDC XI 16 05 04 16.4–5.8 5.72S 151.61E 60–48 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=9.9km az=117.0.
IDC Error ellipse: s-maj=42.5km s-min=22.8km az=99.0.
ISC XI 16 05 09 09.7–1.9 5.5S–.30 151.7E–.40 57 3.8b 8 6-149
ISCJB XI 16 05 09 08.7–1.7 5.4S–.30 151.5E–.40 57 3.8b **¶602389486**
IDC XI 16 05 09 09.2–5.3 5.47S 151.60E 48–45 4.0,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=66.0km s-min=12.3km az=37.8.
IDC Error ellipse: s-maj=61.6km s-min=28.3km az=119.0.
IDC XI 16 07 23 00.3–2.6 5.68S 151.02E 0 4.1,4.0
¶602389491

IDC Error ellipse: s-maj=76.4km s-min=41.0km az=113.0.
IDC XI 16 08 35 09.7–2.2 5.83S 151.90E 0 4.1,3.8
¶602389497

IDC Error ellipse: s-maj=121.4km s-min=29.8km az=131.0.
ISC XI 16 10 44 21.5–.89 5.8S–.20 151.8E–.20 36 4.4b,3.5s 27 2-150
IDC XI 16 10 44 15.3–1.1 5.73S 151.95E 0 4.4,4.2 **¶602059969**
ISCJB XI 16 10 44 19.8–.82 5.8S–.10 151.9E–.20 36 4.2b,3.4s
NEIC XI 16 10 44 20.1–.75 5.97S 152.21E 35 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=19.5km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=9.3km az=30.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.3km az=112.0.
IDC XI 16 11 48 16.6–3.4 5.50S 151.53E 0 3.8,3.6
¶602389507

IDC Error ellipse: s-maj=119.7km s-min=47.7km az=122.0.
IDC XI 16 12 36 15.6–1.9 5.51S 151.57E 0 4.1,3.9
¶602389510

IDC Error ellipse: s-maj=102.3km s-min=24.1km az=130.0.
ISC XI 16 12 48 14.5–.43 5.73S–.06 151.70E–.05 45 4.7b,4.0s 97 2-150
BJI XI 16 12 48 11.3 5.12S 152.28E 27 4.7b,4.6b **¶601906495**
ISCJB XI 16 12 48 12.6–.26 5.74S–.04 151.68E–.04 45 4.6b,4.0s

NEIC XI 16 12 48 13.1–.25 5.69S 151.69E 35 4.8b,4.0s
GCMT XI 16 12 48 15.1–.40 5.95S–.03 151.60E–.04 27–1 4.9W,4.0s
IDC XI 16 12 48 16.9–1.8 5.83S 151.69E 74–17 4.5,4.3
DJA XI 16 12 48 33.1–2.9 6S–15 151E–30 159–10 5.5b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c38; s52,c67;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.30±.18 $M_{\theta\theta}$0.71±.12; $M_{\phi\phi}$1.59±.14; $M_{r\theta}$0.10±.20; $M_{\theta\phi}$1.00±.08; $M_{\phi r}$1.78±.23; Best double couple: NP1:ϕ_s196.00000°,δ64.00000°,λ-105.00000°. NP2:ϕ_s47.00000°,δ29.00000°,λ-63.00000°. Principal axes: T 2.7420,Plg18.0000° ,Azm297.0000°; N 0.2690,Plg13.0000°,Azm203.0000°; P -3.0120,Plg68.0000°,Azm78.0000° $M_0$2.87700×10^{16}
IDC XI 16 12 56 39.3–2.2 5.51S 151.44E 0 3.7,3.5
¶602389512
IDC Error ellipse: s-maj=183.1km s-min=24.5km az=129.0.
IDC XI 16 13 42 42.9–1.9 5.60S 151.72E 0 4.0,3.8
¶602389514
IDC Error ellipse: s-maj=101.0km s-min=23.9km az=130.0.
IDC XI 16 13 51 08.1–1.9 7.08S 152.21E 0 3.8,3.6
¶602389515
IDC Error ellipse: s-maj=93.7km s-min=24.5km az=138.0.
ISC XI 16 16 14 55.7–2.5 5.4S–.70 151.4E–.80 57 3.5b 6 6-149
IDC XI 16 16 14 47.8–2.0 5.36S 151.56E 0 4.0,3.8 **¶602389521**
ISC Event type ke.
IDC Error ellipse: s-maj=116.2km s-min=24.8km az=129.0.
ISC XI 16 19 39 44.9–1.4 5.6S–.20 151.5E–.30 57 4.1b 25 2-149
IDC XI 16 19 39 36.5–1.9 5.74S 151.85E 0 4.2,4.0 **¶602056770**
ISCJB XI 16 19 39 44.0–.90 5.5S–.10 151.4E–.20 57 4.2b,4.0
NEIC XI 16 19 39 43.2–.78 5.57S 151.48E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=92.9km s-min=24.0km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=7.8km az=34.5.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=7.6km az=122.0.
ISC XI 17 00 03 39.8–.74 5.84S–.09 151.9E–.10 36 4.2b,3.5s 27 6-150
ISCJB XI 17 00 03 38.6–.60 5.84S–.07 151.74E–.10 36 4.1b,3.5s **¶601992330**
NEIC XI 17 00 03 39.8–.69 5.86S 151.83E 35 4.3b,3.5s
IDC XI 17 00 03 44.6–5.5 5.94S 151.69E 77–45 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.2km az=24.8.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.5km az=103.0.
IDC Error ellipse: s-maj=36.2km s-min=23.0km az=85.0.
IDC XI 17 00 12 03.0–3.3 5.23S 151.78E 0 3.9,3.7
¶602389533
IDC Error ellipse: s-maj=119.2km s-min=46.3km az=122.0.
ISC XI 17 01 30 12.1–.58 5.66S–.09 151.6E–.10 57 4.2b 38 2-149
NEIC XI 17 01 30 09.5–.45 5.70S 151.80E 35 4.5b **¶601992345**
ISCJB XI 17 01 30 11.0–.51 5.68S–.07 151.58E–.10 57 4.2b,3.2s
IDC XI 17 01 30 12.9–4.4 5.67S 151.55E 61–39 4.3,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=7.3km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=7.0km az=33.6.
IDC Error ellipse: s-maj=25.4km s-min=23.4km az=165.0.
ISC XI 17 20 24 37.8–1.2 6.11S–.09 152.4E–.10 38 21 2-150
IDC XI 17 20 24 35.5–1.9 5.32S 151.50E 0 4.2,4.0 **¶602056837**
NEIC XI 17 20 24 38.8–.92 6.04S 152.25E 35 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=102.2km s-min=23.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=9.6km az=112.0.
ISC XI 17 21 02 54.4–.34 5.81S–.05 151.80E–.05 36 5.0b,4.2s 143 2-157
IDC XI 17 21 02 48.7–.59 5.75S 151.77E 0 4.8,4.7 **¶601909925**
ISCJB XI 17 21 02 52.3–.27 5.81S–.03 151.74E–.03 36 4.9b,4.1s
NEIC XI 17 21 02 53.8–.26 5.81S 151.84E 35 4.9b,4.1s
BJI XI 17 21 02 54.4 6.04S 151.65E 51 5.0b,4.8s
DJA XI 17 21 03 05.7–.60 6S–3.0 151E–3.0 114–5 5.4b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 17 21 12 01.6–.38 5.93S–.05 151.97E–.06 36 4.8b,4.1s 83 2-151
IDC XI 17 21 11 55.9–.60 5.80S 151.82E 0 4.5,4.4 **¶601909927**
ISCJB XI 17 21 11 59.7–.32 5.97S–.04 151.92E–.05 36 4.8b,4.0s
NEIC XI 17 21 12 01.1–.28 5.94S 151.95E 35 4.8b,4.0s
BJI XI 17 21 12 01.6 6.33S 151.40E 40 5.0b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=14.5km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=21.8.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.7km az=112.0.
ISC XI 17 21 53 37.7–.76 5.56S–.09 151.7E–.10 57 4.3b 21 6-149
ISCJB XI 17 21 53 36.0–.65 5.56S–.08 151.67E–.09 57 4.3b,2.9s **¶601992582**
NEIC XI 17 21 53 35.2–.58 5.51S 151.75E 35 4.2b,2.9s
IDC XI 17 21 53 37.7–5.8 5.60S 151.71E 55–48 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.5km az=31.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.8km az=100.0.
IDC Error ellipse: s-maj=38.9km s-min=30.0km az=111.0.
IDC XI 18 01 38 22.4–5.2 5.42S 150.01E 119–47 3.7,3.5
¶602389593
IDC Error ellipse: s-maj=100.7km s-min=34.4km az=130.0.
IDC XI 18 13 15 28.2–2.0 5.30S 151.39E 0 3.9,3.7
¶602389611
IDC Error ellipse: s-maj=108.2km s-min=24.1km az=128.0.
ISC XI 18 13 48 09.7–.98 4.27S–.08 152.34E–.09 165–8 4.3b 48 0-152
ISCJB XI 18 13 48 08.7–.87 4.23S–.05 152.29E–.08 168–7 4.2b **¶601992721**
NEIC XI 18 13 48 09.5–.74 4.23S 152.38E 165–6 4.5b
IDC XI 18 13 48 10.5–1.6 4.29S 152.25E 170–14 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.2km az=12.3.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=90.0.
IDC Error ellipse: s-maj=15.0km s-min=10.3km az=104.0.
IDC XI 18 15 48 23.8–8.4 5.87S 151.47E 83–59 3.5,3.4
¶602389615
IDC Error ellipse: s-maj=101.0km s-min=54.8km az=128.0.
IDC XI 19 05 42 34.6–1.9 6.08S 152.20E 0 4.2,4.0
¶602389642
IDC Error ellipse: s-maj=118.8km s-min=25.8km az=130.0.
ISC XI 19 09 44 35.5–.36 5.75S–.03 151.64E–.03 23–2 5.9s,5.8b 1649 2-157
ISCJB XI 19 09 44 31.1–.85 5.72S–.02 151.53E–.02 2–5 5.9s,5.7b **¶601992895**
BJI XI 19 09 44 31.1 5.70S 151.60E 10 5.9b,5.9s
NEIC XI 19 09 44 34.0–.00 5.83S 151.91E 25 5.9b,5.9s
NEIC XI 19 09 44 34.1–.08 5.71S 151.60E 13 6.0W,5.9W
MOS XI 19 09 44 36.4–1.1 5.65S 151.52E 35 6.0b,5.8s
IDC XI 19 09 44 37.2–1.4 5.70S 151.65E 33–10 5.5,5.5s
GCMT XI 19 09 44 39.1–.10 5.90S 151.79E 20–0 6.0W,5.5s
DJA XI 19 09 44 39.2–.40 6S–2.0 151E–3.0 51–3 6.6,6.3b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ63.00000° ,λ-98.00000°. NP2:ϕ_s241.00000°,δ28.00000°,λ-73.00000°. Principal axes: T 1.2300,Plg17.0000°,Azm138.0000°; N -0.0800,Plg7.0000°,Azm46.0000° ; P -1.1500,Plg70.0000°,Azm292.0000°
NEIC Event type fe. Felt at Kimbe. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.08 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.84 $M_{\theta\theta}$4.17 $M_{\phi\phi}$1.67 $M_{r\theta}$-1.61 $M_{\theta\phi}$3.23 $M_{\phi r}$-4.29 Best double couple: NP1:ϕ_s36.00000°,δ64.00000°,λ-109.00000°. NP2: ϕ_s254.00000°,δ32.00000°,λ-56.00000°. Principal axes: T 7.5100,Plg17.0000°,Azm140.0000° ; N 0.2700,Plg17.0000°,Azm45.0000°; P -7.7900,Plg66.0000°,Azm272.0000° $M_0$7.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s225.00000°,δ15.00000°,λ-90.00000°. NP2:ϕ_s45.00000°,δ75.00000°,λ-90.00000°. Principal axes: T Plg30.0000°,Azm135.0000°; N Plg0.0000°,Azm0.0000°; P Plg60.0000° ,Azm315.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c310; s140,c453; Duration: 2$_s$4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.92±.01 $M_{\theta\theta}$0.58±.01; $M_{\phi\phi}$0.34±.01; $M_{r\theta}$-0.34±.01; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.60±.01; Best double couple: NP1:ϕ_s38.00000°,δ63.00000° ,λ-103.00000°. NP2:ϕ_s245.00000°,δ30.00000°,λ-67.00000°. Principal axes: T 1.2180,Plg17.0000°,Azm138.0000°; N -0.0440,Plg11.0000°,Azm44.0000° ; P -1.1750,Plg69.0000°,Azm283.0000° $M_0$1.19600×10^{18}
ISC XI 19 09 48 36.4–.47 5.69S–.07 151.78E–.08 45 4.6b 57 2-157
NEIC XI 19 09 48 31.5–.29 5.69S 151.84E 10 4.8b **¶602210384**
ISCJB XI 19 09 48 34.7–.38 5.70S–.05 151.74E–.06 45 4.6b
IDC XI 19 09 48 36.0–3.8 5.70S 151.79E 40–33 4.7,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.1km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.2km az=29.9.
IDC Error ellipse: s-maj=18.9km s-min=14.7km az=74.0.
IDC XI 19 09 50 58.2–7.0 6.14S 151.97E 80–57 4.2,4.1
¶602389652
IDC Error ellipse: s-maj=97.9km s-min=38.9km az=128.0.
ISC XI 19 09 53 38.8–1.3 5.6S–.20 151.6E–.20 57 3.8b 7 6-149
IDC XI 19 09 53 31.2–1.2 5.47S 151.66E 0 4.2,4.0 **¶602389653**
ISCJB XI 19 09 53 37.5–1.3 5.7S–.20 151.6E–.10 57 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC XI 19 09 54 40.7–2.0 5.25S 151.60E 0 4.6,4.4
¶602389654
IDC Error ellipse: s-maj=126.7km s-min=24.1km az=127.0.
IDC XI 19 09 55 39.9–2.3 5.69S 152.09E 0 4.1,3.8
¶602389657
IDC Error ellipse: s-maj=137.9km s-min=32.9km az=126.0.
ISC XI 19 09 56 55.9–.60 5.88S–.07 151.79E–.10 36 4.2b 34 2-150
IDC XI 19 09 56 50.2–.75 5.77S 151.78E 0 4.4,4.3 **¶602210385**
NEIC XI 19 09 56 52.1–.47 5.87S 151.74E 10 4.4b,4.3
ISCJB XI 19 09 56 54.4–.46 5.88S–.05 151.71E–.09 36 4.2b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 19 10 00 01.9–1.3 5.7S–.20 151.6E–.20 57 3.6b 7 6-149
IDC XI 19 09 59 54.4–1.3 5.50S 151.66E 0 4.0,3.8 **¶602389658**
ISCJB XI 19 10 00 00.5–1.3 5.7S–.20 151.6E–.10 57 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XI 19 10 01 39.1–2.4 5.30S 151.50E 0 3.9,3.7
¶602389660
IDC Error ellipse: s-maj=153.6km s-min=29.3km az=127.0.
ISC XI 19 10 08 19.9–.45 5.85S–.05 151.91E–.07 36 4.5b 55 2-151
IDC XI 19 10 08 14.1–.61 5.81S 152.06E 0 4.5,4.4 **¶602210386**
NEIC XI 19 10 08 16.1–.37 5.77S 151.90E 10 4.3b,4.4
ISCJB XI 19 10 08 18.4–.36 5.88S–.05 151.91E–.06 36 4.4b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 19 10 15 58.6–.35 5.82S–.05 151.61E–.05 41 4.9b 143 2-157
IDC XI 19 10 15 52.1–.54 5.71S 151.58E 0 4.7,4.6 **¶601992903**
NEIC XI 19 10 15 53.9–.66 5.79S 151.63E 11–4 5.1b,4.6
BJI XI 19 10 15 54.7 5.77S 151.52E 13 5.5b,5.4s
ISCJB XI 19 10 15 57.0–.20 5.86S–.03 151.54E–.03 41 4.8b,5.4s
DJA XI 19 10 16 14.3–2.0 7S–11 151E–15 129–11 5.1,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 19 10 20 41.0–4.0 5.89S 151.34E 0 3.6,3.3
¶602389661
IDC Error ellipse: s-maj=155.2km s-min=56.6km az=119.0.
ISC XI 19 10 31 47.0–.95 5.8S–.10 151.7E–.20 35 4.2b 29 2-150
IDC XI 19 10 31 40.9–1.2 5.59S 151.69E 0 4.3,4.2 **¶602210388**
NEIC XI 19 10 31 41.7–.95 6.07S 152.28E 10 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=20.4km az=121.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=10.2km az=110.0.
IDC XI 19 10 43 35.0–3.1 5.37S 152.30E 0 3.7,3.5
¶602389663
IDC Error ellipse: s-maj=129.3km s-min=42.4km az=124.0.
ISC XI 19 10 55 12.9–.30 5.82S–.04 151.72E–.05 41 5.0b,4.7s 266 2-157
BJI XI 19 10 55 03.0 6.07S 152.23E 10 5.2b,5.1s **¶601992913**
NEIC XI 19 10 55 09.0–.70 5.79S 151.66E 15–4 5.3b,5.1s
ISCJB XI 19 10 55 11.5–.18 5.80S–.03 151.55E–.03 41 4.9b,4.7s
MOS XI 19 10 55 11.0–1.0 5.77S 151.59E 40 5.3b,4.7s
IDC XI 19 10 55 14.2–1.7 5.80S 151.60E 52–14 4.7,4.5
GCMT XI 19 10 55 15.0–.40 5.82S–.04 151.92E–.03 20–2 5.2W,4.5
DJA XI 19 10 55 24.7–.50 6S–4.0 151E–5.0 104–4 5.6b,5.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c32; s55,c80;Duration: 1$_s$0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.57 $M_{\theta\theta}$-2.29±.31; $M_{\phi\phi}$-2.53±.33; $M_{r\theta}$4.53±.65; $M_{\theta\phi}$-1.81±.17; $M_{\phi r}$3.90±.63; Best double couple: NP1:ϕ_s48.00000°,δ71.00000°,λ93.00000°. NP2:ϕ_s220.00000°,δ19.00000°,λ82.00000°. Principal axes: T 7.8050,Plg63.0000° ,Azm322.0000°; N -0.6230,Plg2.0000°,Azm227.0000°; P -7.1820,Plg26.0000° ,Azm136.0000° $M_0$7.49400×10^{16}
ISC XI 19 11 02 53.5–.46 5.72S–.05 151.76E–.07 45 4.5b 55 2-157
BJI XI 19 11 02 49.2 6.09S 151.37E 14 5.1b,4.6b **¶601992917**
NEIC XI 19 11 02 49.6–1.8 5.73S 151.72E 13–11 4.4b,4.6b
ISCJB XI 19 11 02 51.9–.37 5.77S–.04 151.73E–.06 45 4.4b,4.6b
IDC XI 19 11 02 54.4–3.0 5.75S 151.76E 53–27 4.3,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=26.0.
IDC Error ellipse: s-maj=20.3km s-min=16.8km az=167.0.
IDC XI 19 11 07 14.9–2.0 6.12S 152.23E 0 4.0,3.8
¶602389664
IDC Error ellipse: s-maj=119.7km s-min=25.8km az=132.0.
IDC XI 19 11 13 12.7–9.0 5.92S 151.57E 92–62 3.9,3.7
¶602389666
IDC Error ellipse: s-maj=115.0km s-min=57.1km az=123.0.
IDC XI 19 11 19 35.3–7.2 5.70S 151.78E 56–59 3.7,3.6
¶602389668
IDC Error ellipse: s-maj=110.4km s-min=37.1km az=127.0.
ISC XI 19 11 51 22.1–.38 5.80S–.05 151.86E–.06 36 4.6b 90 2-157
BJI XI 19 11 51 15.7 5.89S 152.08E 13 5.1b,4.7b **¶601992928**
NEIC XI 19 11 51 17.9–.71 5.82S 151.89E 10–4 4.8b,4.7b
ISCJB XI 19 11 51 20.2–.33 5.78S–.04 151.85E–.05 36 4.6b,4.7b
IDC XI 19 11 51 26.2–2.6 5.75S 151.65E 69–23 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.0km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=30.7.
IDC Error ellipse: s-maj=17.6km s-min=12.7km az=123.0.
IDC XI 19 12 19 10.5–6.2 5.63S 151.40E 86–50 3.8,3.7
¶602389669
IDC Error ellipse: s-maj=119.4km s-min=37.1km az=124.0.
ISC XI 19 13 36 43.9–.74 5.8S–.10 151.8E–.10 45 4.1b,3.9s 26 6-150
NEIC XI 19 13 36 38.9–.68 5.80S 151.80E 10 4.5b,3.9s **¶601992941**
ISCJB XI 19 13 36 42.2–.60 5.85S–.09 151.72E–.09 45 4.2b,3.9s
IDC XI 19 13 36 44.9–3.0 5.86S 151.72E 56–26 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.6km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=8.9km az=44.1.
IDC Error ellipse: s-maj=20.5km s-min=14.3km az=131.0.
IDC XI 19 15 00 02.0–6.2 5.45S 151.25E 75–50 3.8,3.7
¶602389674
IDC Error ellipse: s-maj=121.4km s-min=34.9km az=127.0.

IDC XI 19 15 28 43.6–1.9 6.03S 152.35E 0 4.1,3.9 ¶602389676

IDC Error ellipse: s-maj=117.8km s-min=25.4km az=130.0.
IDC XI 19 15 38 32.7–1.9 5.93S 152.20E 0 4.1,3.9 ¶602389677

IDC Error ellipse: s-maj=110.5km s-min=25.9km az=129.0.
IDC XI 19 15 39 27.9–2.1 5.47S 151.66E 0 3.9,3.7 ¶602389680

IDC Error ellipse: s-maj=135.2km s-min=26.4km az=127.0.
IDC XI 19 20 03 09.3–3.3 5.29S 151.75E 0 3.5,3.4 ¶602389693

IDC Error ellipse: s-maj=136.8km s-min=42.6km az=122.0.
IDC XI 19 20 26 16.9–3.0 5.37S 151.53E 0 4.1,3.9 ¶602389695

IDC Error ellipse: s-maj=120.4km s-min=38.8km az=125.0.
IDC XI 19 20 58 16.1–9.1 5.86S 151.65E 85–64 3.8,3.6 ¶602389698

IDC Error ellipse: s-maj=104.0km s-min=58.5km az=123.0.
ISC XI 19 22 14 07.7–1.9 5.9S–.30 152.1E–.30 36 3.8b 8 6-150
IDC XI 19 22 14 02.2–1.8 5.81S 152.06E 0 4.0,3.8 ¶602389700
ISCJB XI 19 22 14 07.0–1.6 5.8S–.30 151.9E–.30 36 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XI 20 03 10 32.0–1.7 5.59S 152.15E 0 4.1,3.9 ¶602389714

IDC Error ellipse: s-maj=128.7km s-min=22.4km az=130.0.
IDC XI 20 06 45 39.7–2.6 6.81S 151.60E 0 3.8,3.6 ¶602389727

IDC Error ellipse: s-maj=102.4km s-min=37.3km az=134.0.
ISC XI 20 09 04 36.7–.77 5.7S–.10 151.6E–.10 57 3.9b,3.0s 14 6-149
ISCJB XI 20 09 04 35.2–.70 5.68S–.10 151.6E–.10 57 4.0b,3.1s ¶602389731
IDC XI 20 09 04 37.1–4.2 5.69S 151.57E 61–37 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=9.7km az=41.8.
IDC Error ellipse: s-maj=24.7km s-min=22.0km az=78.0.
ISC XI 20 09 09 31.7–.56 5.72S–.08 151.6E–.10 57 4.1b 39 2-149
NEIC XI 20 09 09 25.9–.35 5.67S 151.60E 10 4.2b ¶602210398
IDC XI 20 09 09 27.4–4.5 5.70S 151.68E 21–27 4.2,4.1
ISCJB XI 20 09 09 30.2–.37 5.73S–.06 151.55E–.08 57 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 20 09 31 16.0–2.8 5.96S 151.22E 0 3.5,3.3 ¶602389732

IDC Error ellipse: s-maj=115.4km s-min=37.1km az=127.0.
IDC XI 20 09 56 44.5–2.0 6.07S 152.13E 0 3.8,3.6 ¶602389733

IDC Error ellipse: s-maj=111.8km s-min=26.9km az=129.0.
ISC XI 20 16 10 43.2–.42 5.82S–.06 151.71E–.06 41 4.8b,3.8s 102 2-124
IDC XI 20 16 10 37.5–.59 5.73S 151.68E 0 4.6,4.5 ¶601993229
NEIC XI 20 16 10 38.7–.32 5.79S 151.73E 10 4.7b,4.5
BJI XI 20 16 10 40.6 5.80S 151.80E 28 5.0b,5.0s
ISCJB XI 20 16 10 41.3–.31 5.83S–.04 151.67E–.05 41 4.7b,4.0s
DJA XI 20 16 10 55.3–2.1 6S–11 151E–15 101–11 5.5b,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 20 18 35 48.1–1.9 5.44S 151.50E 0 3.9,3.7 ¶602389748

IDC Error ellipse: s-maj=110.5km s-min=24.1km az=128.0.
ISC XI 21 01 18 44.2–.38 5.93S–.05 151.77E–.06 41 4.8b,4.0s 121 2-157
BJI XI 21 01 18 34.1 6.31S 152.35E 10 5.0b,4.7b ¶601993310
NEIC XI 21 01 18 39.8–.26 5.80S 151.68E 10 4.9b,4.7b
ISCJB XI 21 01 18 42.7–.26 5.83S–.04 151.58E–.05 41 4.8b,4.0s
IDC XI 21 01 18 42.0–2.7 5.78S 151.62E 26–17 4.6,4.6
DJA XI 21 01 19 12.3–2.3 7S–13 150E–22 216–13 4.9b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 21 01 51 13.6–3.2 5.55S 151.53E 0 3.9,3.7 ¶602389761

IDC Error ellipse: s-maj=128.6km s-min=43.0km az=122.0.
IDC XI 21 08 21 22.4–4.8 4.74S 151.71E 112–42 4.0,3.9 ¶602389778

IDC Error ellipse: s-maj=113.3km s-min=27.1km az=132.0.
IDC XI 21 08 26 36.3–4.0 5.73S 151.55E 0 3.7,3.4 ¶602389779

IDC Error ellipse: s-maj=145.9km s-min=54.2km az=118.0.
ISC XI 21 08 53 25.5–.77 6.01S–.07 152.12E–.09 36 4.1b 24 2-150
IDC XI 21 08 53 20.9–1.5 5.75S 151.92E 0 4.1,3.9 ¶602210404
NEIC XI 21 08 53 21.8–.60 5.97S 152.13E 10 4.1b,3.9
ISCJB XI 21 08 53 23.8–.58 6.05S–.05 152.11E–.08 36 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 21 08 55 32.9–.56 5.88S–.07 151.72E–.09 41 4.1b,3.4s 44 2-150
NEIC XI 21 08 55 28.2–.41 5.84S 151.85E 10 4.4b,3.4s ¶601993408
ISCJB XI 21 08 55 31.2–.44 5.83S–.06 151.73E–.08 41 4.2b,3.5s
IDC XI 21 08 55 35.9–2.8 5.83S 151.67E 66–25 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.6km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.8km az=23.6.
IDC Error ellipse: s-maj=21.0km s-min=14.3km az=118.0.
IDC XI 21 09 02 41.4–6.2 5.53S 151.36E 83–50 3.5,3.5 ¶602389780

IDC Error ellipse: s-maj=113.2km s-min=34.5km az=127.0.
ISC XI 21 09 17 40.8–1.2 5.2S–.20 151.2E–.20 35 3.9b 15 6-149
ISCJB XI 21 09 17 38.8–.97 5.2S–.10 151.2E–.20 35 4.0b ¶601993414
IDC XI 21 09 17 43.2–3.1 5.24S 151.11E 61–27 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.8km s-min=8.6km az=32.7.
IDC Error ellipse: s-maj=46.5km s-min=13.8km az=125.0.
ISC XI 21 09 32 37.5–1.4 5.6S–.20 151.5E–.30 57 3.5b 9 6-149
IDC XI 21 09 32 29.8–1.5 5.48S 151.61E 0 3.8,3.7 ¶602389781
ISCJB XI 21 09 32 35.7–1.2 5.6S–.20 151.5E–.20 57 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 21 17 33 26.4–3.1 5.69S 151.99E 0 4.0,3.9 ¶602389797

IDC Error ellipse: s-maj=123.0km s-min=42.8km az=124.0.
IDC XI 22 19 16 20.6–5.8 7.45S 151.69E 0 3.3,3.2 ¶602389849

IDC Error ellipse: s-maj=172.9km s-min=31.4km az=110.0.
IDC XI 22 22 35 15.4–6.0 5.52S 151.38E 75–49 3.7,3.6 ¶602389852

IDC Error ellipse: s-maj=112.2km s-min=32.4km az=127.0.
ISC XI 23 02 08 34.5–.84 4.03S–.10 150.5E–.10 550 3.9b 18 6-85
ISCJB XI 23 02 08 33.1–.73 3.95S–.09 150.6E–.10 550 3.8b ¶602389859
IDC XI 23 02 08 34.9–1.2 4.06S 150.48E 554–12 4.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=11.3km az=14.8.
IDC Error ellipse: s-maj=16.3km s-min=11.1km az=111.0.
IDC XI 23 13 23 27.6–1.7 5.19S 148.05E 0 3.5,3.3 ¶602389888

IDC Error ellipse: s-maj=111.0km s-min=26.3km az=117.0.
ISC XI 24 00 39 05.2–.65 6.09S–.09 149.7E–.20 58 4.0b,3.1s 28 4-152
ISCJB XI 24 00 39 03.4–.65 6.07S–.08 149.6E–.20 58 4.1b,3.0s ¶601994045
NEIC XI 24 00 39 04.2–2.3 6.06S 149.59E 49–19 4.2b,3.0s
IDC XI 24 00 39 04.0–1.8 6.06S 149.65E 47–14 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=7.6km az=22.1.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.3km az=94.0.
IDC Error ellipse: s-maj=30.6km s-min=11.1km az=114.0.
IDC XI 24 00 54 27.6–3.7 5.75S 152.15E 0 3.8,3.5 ¶602389916

IDC Error ellipse: s-maj=161.2km s-min=48.5km az=121.0.
IDC XI 24 02 44 15.1–8.6 5.54S 150.97E 90–60 3.6,3.5 ¶602389921

IDC Error ellipse: s-maj=118.1km s-min=55.5km az=120.0.
IDC XI 24 07 33 08.9–6.3 5.42S 151.31E 58–52 3.7,3.7 ¶602389929

IDC Error ellipse: s-maj=109.7km s-min=34.0km az=127.0.
ISC XI 25 04 46 32.9–1.2 4.8S–.30 151.2E–.40 10 3.8b 10 6-149
ISCJB XI 25 04 46 31.7–1.1 4.9S–.30 151.2E–.40 10 3.8b ¶602389956
IDC XI 25 04 46 31.0–1.4 4.89S 151.25E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=66.6km s-min=10.7km az=38.0.
IDC Error ellipse: s-maj=85.6km s-min=19.7km az=128.0.
IDC XI 25 08 18 06.5–3.6 5.97S 149.52E 0 4.0,3.8 ¶602389963

IDC Error ellipse: s-maj=101.0km s-min=42.2km az=114.0.
IDC XI 26 06 39 13.7–6.2 5.80S 151.79E 57–50 4.1,4.1 ¶602311671

IDC Error ellipse: s-maj=97.3km s-min=32.0km az=131.0.
IDC XI 26 21 35 39.2–2.2 5.62S 151.01E 0 3.9,3.7 ¶602390007

IDC Error ellipse: s-maj=152.7km s-min=21.4km az=129.0.
ISC XI 26 22 58 27.8–1.3 5.8S–.10 148.5E–.30 100 3.7b 11 4-146
IDC XI 26 22 58 25.3–4.6 5.61S 148.52E 68–43 4.0,4.0L ¶602390008
ISCJB XI 26 22 58 26.8–1.2 5.8S–.10 148.5E–.30 100 3.7b,4.0L
ISC Event type ke.
ISCJB Event type ke.
IDC XI 26 23 41 07.0–4.0 6.16S 151.55E 0 3.6,3.4 ¶602390010

IDC Error ellipse: s-maj=151.6km s-min=55.1km az=119.0.
ISC XI 27 00 41 04.1–.65 4.91S–.07 153.0E–.10 43 4.2b 40 1-158
ISCJB XI 27 00 41 02.4–.50 4.92S–.05 153.00E–.08 43 4.2b,3.2s ¶602083144
NEIC XI 27 00 41 05.3–1.1 4.91S 152.94E 54–9 4.2b,3.2s
IDC XI 27 00 41 05.2–3.7 4.94S 152.90E 52–32 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=2.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.4km az=99.0.
IDC Error ellipse: s-maj=22.2km s-min=15.3km az=89.0.
ISC XI 27 14 24 52.1–.76 4.89S–.08 153.0E–.10 43 4.1b 28 1-150
ISCJB XI 27 14 24 50.6–.63 4.96S–.07 152.95E–.10 43 4.0b,3.7s ¶602000844
IDC XI 27 14 24 52.2–4.2 4.93S 152.96E 44–37 4.3,4.3s
NEIC XI 27 14 24 53.0–1.4 4.92S 152.95E 54–10 4.4b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.3km az=23.8.
IDC Error ellipse: s-maj=25.6km s-min=19.8km az=73.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.0km az=90.0.
IDC XI 27 18 52 31.1–4.0 6.86S 148.17E 0 3.6,3.6b ¶602390071

IDC Error ellipse: s-maj=60.5km s-min=46.3km az=80.0.
IDC XI 28 12 51 42.0–5.1 4.38S 150.96E 107–46 3.7,3.6 ¶602390120

IDC Error ellipse: s-maj=130.8km s-min=30.8km az=125.0.
IDC XI 29 14 08 57.7–3.4 4.20S 152.51E 0 4.4,4.2
NEIC XI 29 14 08 53.8–2.3 5.05S 154.07E 10 4.0b,4.2 ¶602083370
IDC Error ellipse: s-maj=121.1km s-min=47.0km az=122.0.
NEIC Event type se. Error ellipse: s-maj=118.0km s-min=33.0km az=136.0.
IDC XI 30 22 40 04.3–6.9 4.64S 152.04E 0 3.4,3.3 ¶602390255

IDC Error ellipse: s-maj=207.5km s-min=34.1km az=105.0.
ISC XI 30 23 57 02.6–1.2 5.9S–.20 149.6E–.20 135 3.7b 10 4-148
IDC XI 30 23 56 56.0–5.0 5.65S 149.77E 76–41 3.9,3.8 ¶602390256
ISCJB XI 30 23 57 01.5–1.1 5.9S–.10 149.6E–.20 135 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 01 19 57 17.8–1.0 6.05S–.08 152.2E–.10 36 4.1b 23 2-150
IDC XII 01 19 57 13.0–1.4 5.76S 151.95E 0 4.2,4.1 ¶602056527
ISCJB XII 01 19 57 16.8–.88 6.03S–.06 152.2E–.10 36 4.0b,4.1
NEIC XII 01 19 57 19.7–2.1 5.93S 152.14E 51–15 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=19.2km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=6.8km az=18.7.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=10.3km az=112.0.
IDC XII 02 04 27 14.9–5.5 6.83S 149.83E 0 3.3,3.2 ¶602390326

IDC Error ellipse: s-maj=161.5km s-min=31.3km az=106.0.
ISC XII 02 18 04 32.3–1.2 5.3S–.20 152.4E–.20 40 3.7b 12 7-150
IDC XII 02 18 04 26.6–1.4 5.29S 152.38E 0 4.0,3.8 ¶602390363
ISCJB XII 02 18 04 31.0–1.1 5.3S–.20 152.3E–.20 40 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 02 18 07 51.5–2.3 5.39S 152.84E 0 3.6,3.4 ¶602390364

IDC Error ellipse: s-maj=86.2km s-min=26.1km az=122.0.
ISC XII 02 18 26 15.8–.80 5.4S–.10 152.5E–.10 40 3.9b 16 7-150
IDC XII 02 18 26 10.1–.87 5.34S 152.47E 0 4.2,4.0 ¶602390365
ISCJB XII 02 18 26 14.0–.67 5.40S–.09 152.5E–.10 40 3.8b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC XII 03 07 22 23.2–7.5 5.77S 150.14E 125–50 3.5,3.2 ¶602390386

IDC Error ellipse: s-maj=119.5km s-min=53.7km az=119.0.
ISC XII 03 07 34 33.6–2.1 5.8S–.30 151.0E–.40 48 3.7b,3.1s 8 5-149
IDC XII 03 07 34 39.6–6.8 5.81S 150.62E 90–48 3.8,3.6 ¶602390387
ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=31.0km az=102.0.
ISC XII 03 22 38 30.8–1.5 5.7S–.20 151.5E–.30 57 3.7b 12 6-149
ISCJB XII 03 22 38 29.5–1.3 5.6S–.20 151.4E–.20 57 3.8b,3.0s ¶602390409
IDC XII 03 22 38 31.6–5.7 5.67S 151.45E 62–46 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.0km s-min=10.4km az=34.9.
IDC Error ellipse: s-maj=47.3km s-min=25.7km az=108.0.
IDC XII 04 00 16 32.8–2.1 4.61S 151.52E 0 4.0s,4.0 ¶602077246

IDC Error ellipse: s-maj=169.6km s-min=28.7km az=126.0.
ISC XII 04 00 17 00.1–.66 5.2S–.10 151.9E–.10 35 4.5b 61 1-150
ISCJB XII 04 00 16 58.3–.42 5.21S–.08 151.88E–.09 35 4.4b,4.2s ¶602390412
NEIC XII 04 00 17 00.7–.82 5.31S 151.99E 47–7 4.7b,4.2s
IDC XII 04 00 17 02.4–2.8 5.25S 151.88E 60–24 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=6.3km az=40.7.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.0km az=128.0.
IDC Error ellipse: s-maj=26.9km s-min=11.9km az=130.0.
IDC XII 04 00 31 46.8–2.3 5.38S 152.49E 0 4.1s,4.1 ¶602390415

IDC Error ellipse: s-maj=142.6km s-min=26.1km az=130.0.
IDC XII 04 04 33 36.5–1.9 5.09S 151.94E 0 4.0,3.7b ¶602390432

IDC Error ellipse: s-maj=111.5km s-min=25.4km az=129.0.
ISC XII 04 18 27 08.6–.72 5.87S–.07 151.9E–.10 45 3.9b 34 2-150
IDC XII 04 18 27 01.1–1.0 5.59S 151.94E 0 4.1,3.9 ¶602063210
NEIC XII 04 18 27 10.7–1.2 5.68S 151.79E 68–10 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=19.3km az=113.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.7km az=117.0.
ISC XII 04 18 28 38.6–.61 5.5S–.10 151.4E–.10 57 4.3b,3.2s 40 2-149
IDC XII 04 18 28 30.3–.87 5.35S 151.39E 0 4.3,4.1 ¶602063211
ISCJB XII 04 18 28 36.8–.49 5.47S–.08 151.36E–.10 57 4.4b,3.4s

NEIC XII 04 18 28 39.5–1.2 5.56S 151.52E 72–11 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=17.1km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=7.1km az=37.1.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.2km az=122.0.
IDC XII 06 06 11 10.8–9.1 5.55S 148.41E 265–91 4.0,3.5
¶602390535

IDC Error ellipse: s-maj=51.4km s-min=39.9km az=136.0.
ISC XII 07 02 25 45.5–.46 5.34S–.04 151.55E–.05 100–4 5.0b 347 1-152
BJI XII 07 02 25 41.2 5.62S 151.78E 94 5.2b,4.9b **¶602005583**
MOS XII 07 02 25 44.7–.99 5.20S 151.41E 100 5.0b,4.9b
ISCJB XII 07 02 25 45.5–.73 5.30S–.03 151.39E–.03 105–6 4.9b,4.9b
IDC XII 07 02 25 45.7–.58 5.31S 151.54E 101–4 4.9,4.7
NEIC XII 07 02 25 46.5–.60 5.29S 151.43E 106–5 5.0b,4.7
GCMT XII 07 02 25 47.5–.30 5.36S–.02 151.47E–.02 115–3 5.0W,4.7
DJA XII 07 02 25 51.9–1.7 5S–7.0 151E–12 139–10 5.5b,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Lae, New Guinea.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c28; s90,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$-1.30±.14; $M_{\phi\phi}$1.77±.14; $M_{r\theta}$-1.08±.09; $M_{\theta\phi}$2.65±.13; $M_{\phi r}$1.74±.08; Best double couple: NP1:ϕ_s167.00000°,δ81.00000°,λ-147.00000°. NP2:ϕ_s72.00000°,δ58.00000°,λ-11.00000°. Principal axes: T 3.5630,Plg15.0000° ,Azm296.0000°; N 0.2680,Plg56.0000°,Azm181.0000°; P -3.8360,Plg29.0000°,Azm34.0000° M_o3.70000×10^{16}
IDC XII 07 10 51 25.1–2.0 5.78S 152.96E 0 4.1,3.8
¶602390617

IDC Error ellipse: s-maj=138.1km s-min=29.7km az=129.0.
IDC XII 09 02 11 32.6–2.8 4.43S 152.61E 0 3.6,3.4
¶602390871

IDC Error ellipse: s-maj=93.2km s-min=30.5km az=106.0.
IDC XII 10 01 27 25.9–4.2 4.15S 152.74E 156–32 3.4,3.2
¶602390954

IDC Error ellipse: s-maj=55.8km s-min=20.4km az=112.0.
IDC XII 11 02 00 46.7–3.9 5.86S 148.46E 0 3.3,3.3L
¶602391054

IDC Error ellipse: s-maj=127.4km s-min=42.0km az=105.0.
ISC XII 11 20 15 30.0–1.4 6.1S–.30 151.5E–.30 41 3.6b 8 5-149
ISCJB XII 11 20 15 28.6–1.3 6.2S–.30 151.4E–.20 41 3.8b **¶602391119**
IDC XII 11 20 15 33.9–5.7 6.15S 151.27E 73–45 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.2km s-min=13.9km az=138.9.
IDC Error ellipse: s-maj=58.1km s-min=31.8km az=124.0.
IDC XII 13 17 05 57.2–7.7 4.68S 152.81E 84–53 3.9,3.7
¶602391274

IDC Error ellipse: s-maj=68.3km s-min=27.6km az=2.0.
ISC XII 14 02 34 52.8–.26 5.02S–.04 152.96E–.04 43 5.0b,4.5s 306 1-158
IDC XII 14 02 34 46.8–.42 5.01S 153.02E 0 4.9,4.8 **¶602043472**
ISCJB XII 14 02 34 50.9–.18 5.02S–.03 153.01E–.03 43 4.9b,4.5s
MOS XII 14 02 34 50.4–1.1 4.93S 152.97E 33 5.4b,4.5s
BJI XII 14 02 34 51.6 4.56S 152.97E 30 5.2b,4.9b
NEIC XII 14 02 34 52.5–.60 5.02S 152.96E 43–5 5.0b,4.9b
DJA XII 14 02 34 53.4–.80 5S–5.0 153E–7.0 65–11 5.5b,5.0b
GCMT XII 14 02 34 53.5–.20 5.33S–.01 152.88E–.01 31–0 5.2W,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c110; s93,c133;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.53±.02 $M_{\theta\theta}$-0.55±.01; $M_{\phi\phi}$0.02±.02; $M_{r\theta}$0.67±.03; $M_{\theta\phi}$0.39±.01; $M_{\phi r}$-0.12±.03; Best double couple: NP1:ϕ_s102.00000°,δ69.00000°,λ76.00000°. NP2:ϕ_s317.00000°,δ25.00000°,λ123.00000°. Principal axes: T 0.8490,Plg63.0000° ,Azm350.0000°; N 0.1770,Plg13.0000°,Azm107.0000°; P -1.0260,Plg23.0000° ,Azm203.0000° M_o0.93700×10^{17}
IDC XII 14 02 57 03.1–3.6 4.61S 152.48E 0 3.6,3.5
¶602391294

IDC Error ellipse: s-maj=125.9km s-min=29.4km az=108.0.
IDC XII 17 20 48 43.2–1.8 4.38S 152.22E 0 3.9,3.7
¶602391570

IDC Error ellipse: s-maj=90.5km s-min=28.7km az=124.0.
IDC XII 17 23 35 03.3–3.4 4.72S 152.07E 225–33 3.9,3.6
¶602391578

IDC Error ellipse: s-maj=20.7km s-min=14.5km az=106.0.
ISC XII 18 15 51 08.9–1.1 4.5S–.20 152.0E–.30 10 3.8b 11 7-149
ISCJB XII 18 15 51 06.0–1.2 4.6S–.10 152.2E–.30 10 3.7b,3.0s **¶602391613**
IDC XII 18 15 51 08.4–1.4 4.50S 151.85E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.7km s-min=13.7km az=23.4.
IDC Error ellipse: s-maj=49.7km s-min=19.3km az=111.0.
IDC XII 18 16 48 01.9–1.9 4.13S 151.78E 0 3.6,3.4
¶602391615

IDC Error ellipse: s-maj=133.6km s-min=25.0km az=125.0.
ISC XII 19 18 44 42.5–1.2 5.5S–.20 151.5E–.30 57 4.1b 20 6-149
ISCJB XII 19 18 44 41.2–.96 5.5S–.10 151.5E–.20 57 3.9b,3.1s **¶602355652**
IDC XII 19 18 44 44.0–5.0 5.60S 151.52E 73–43 4.1,4.1
NEIC XII 19 18 44 45.3–2.4 5.59S 151.46E 83–20 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.0km s-min=9.0km az=35.0.
IDC Error ellipse: s-maj=51.0km s-min=26.2km az=126.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=13.8km az=117.0.
IDC XII 20 07 39 11.9–6.0 4.09S 152.30E 0 3.3,3.2
¶602391713

IDC Error ellipse: s-maj=185.0km s-min=39.3km az=106.0.
ISC XII 20 21 02 35.2–2.3 5.7S–.70 151.4E–.80 57 3.7b 7 6-149
IDC XII 20 21 02 34.1–5.4 5.75S 151.49E 48–46 3.9,3.9 **¶602391753**
ISC Event type ke.
IDC Error ellipse: s-maj=100.0km s-min=31.7km az=130.0.
IDC XII 23 00 41 06.4–1.6 5.46S 150.96E 0 3.9,3.6
¶602391899

IDC Error ellipse: s-maj=68.7km s-min=25.6km az=117.0.
IDC XII 24 08 54 58.1–3.5 6.27S 148.36E 0 3.8,3.6
¶602391984

IDC Error ellipse: s-maj=91.1km s-min=35.0km az=103.0.
IDC XII 25 11 33 24.4–2.0 4.40S 152.23E 0 3.6,3.3
¶602380582

IDC Error ellipse: s-maj=152.0km s-min=27.0km az=127.0.
ISC XII 27 10 43 56.9–.68 5.22S–.06 152.59E–.08 51–6 4.3b 53 1-150
ISCJB XII 27 10 43 56.1–1.2 5.26S–.05 152.51E–.07 58–10 4.3b **¶602059898**
IDC XII 27 10 43 56.8–.76 5.22S 152.57E 50–7 4.3,4.2
NEIC XII 27 10 43 57.2–.43 5.24S 152.55E 55–3 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=8.0km az=15.2.
IDC Error ellipse: s-maj=17.1km s-min=13.0km az=113.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=103.0.
IDC XII 27 13 59 36.9–2.1 6.23S 152.04E 0 3.5,3.3
¶602380720

IDC Error ellipse: s-maj=131.5km s-min=26.3km az=133.0.
IDC XII 29 00 50 27.5–1.6 5.20S 151.35E 0 4.3,4.1
¶602380809

IDC Error ellipse: s-maj=56.8km s-min=23.3km az=129.0.
IDC XII 29 14 04 36.2–2.2 5.35S 152.51E 0 4.0,3.8
¶602380841

IDC Error ellipse: s-maj=109.9km s-min=28.9km az=131.0.

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ISC VII 03 03 49 33.5–.33 10.84S–.03 163.41E–.04 98–2 5.5b 1153 4-167
ISCJB VII 03 03 49 31.5–.96 10.80S–.03 163.29E–.02 89–8 5.5b **¶601235612**
BJI VII 03 03 49 32.8 10.37S 163.48E 92 5.4b,5.4b
GCMT VII 03 03 49 33.0–.10 10.86S 163.41E 111–0 5.5W,5.4b
NEIC VII 03 03 49 33.0–.09 10.82S 163.33E 92 5.6b,5.5W
MOS VII 03 03 49 33.1–.96 10.64S 163.32E 97 5.6b,4.4s
NEIC VII 03 03 49 33.0–.00 10.76S 163.21E 100 5.6b,4.4s
IDC VII 03 03 49 34.5–1.4 10.85S 163.39E 107–12 5.3,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.6km az=173.2.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s125,c209; s121,c252;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.29±.03 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-2.49±.03; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$0.65±.03; $M_{\phi r}$-0.70±.03; Best double couple: NP1: ϕ_s164.00000°,δ53.00000°,λ87.00000°. NP2:ϕ_s350.00000°,δ37.00000°,λ95.00000°. Principal axes: T 2.4050,Plg81.0000°,Azm58.0000°; N 0.3420,Plg3.0000°,Azm166.0000° ; P -2.7470,Plg8.0000°,Azm257.0000° M_o2.57600×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=141.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-2.05 $M_{r\theta}$0.41 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.53 Best double couple: NP1:ϕ_s153.00000°,δ52.00000°,λ86.00000°. NP2: ϕ_s339.00000°,δ38.00000°,λ95.00000°. Principal axes: T 2.6300,Plg82.0000°,Azm42.0000° ; N -0.1200,Plg3.0000°,Azm155.0000°; P -2.5100,Plg7.0000°,Azm246.0000° M_o2.60000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ30.00000°,λ90.00000°. NP2:ϕ_s165.00000°,δ60.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000° ,Azm255.0000°
MOS Error ellipse: s-maj=7.4km s-min=6.3km az=87.5.
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-2.06 $M_{r\theta}$0.22 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.64 Best double couple: NP1:ϕ_s165.00000° ,δ54.00000°,λ88.00000°. NP2:ϕ_s349.00000°,δ36.00000°,λ93.00000°. Principal axes: T 2.1100,Plg80.0000°,Azm64.0000°; N 0.1700,Plg1.0000°,Azm166.0000° ; P -2.2800,Plg8.0000°,Azm256.0000° M_o2.20000×10^{17}
IDC Error ellipse: s-maj=9.5km s-min=8.0km az=82.0.
ISC VII 03 04 09 43.6–.97 6.71S–.06 154.95E–.06 99–9 4.4b 112 4-160
IDC VII 03 04 09 41.0–2.5 6.57S 154.95E 75–22 4.4,4.2 **¶601542015**
ISCJB VII 03 04 09 42.2–.80 6.70S–.04 154.98E–.04 100–7 4.4b,4.2
NEIC VII 03 04 09 44.0–.70 6.67S 154.97E 103–6 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=12.0km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.3km az=36.6.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=110.0.
IDC VII 04 13 26 25.4–2.5 9.60S 158.50E 0 3.8,3.6
¶601663476

IDC Error ellipse: s-maj=99.2km s-min=22.2km az=162.0.
ISC VII 04 21 38 10.8–.57 7.10S–.09 155.83E–.08 62 4.2b 43 5-114
ISCJB VII 04 21 38 09.4–.41 7.10S–.07 155.71E–.07 62 4.2b **¶601404586**
IDC VII 04 21 38 13.5–5.3 7.17S 155.68E 84–43 4.3,4.1
NEIC VII 04 21 38 14.0–2.5 7.19S 155.72E 92–19 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=8.4km az=36.2.
IDC Error ellipse: s-maj=37.0km s-min=17.1km az=104.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=10.2km az=101.0.
ISC VII 05 04 03 24.6–1.0 10.3S–.10 161.6E–.10 61 3.7b 11 2-90
ISCJB VII 05 04 03 22.8–.97 10.34S–.09 161.7E–.10 61 3.9b **¶601663501**
IDC VII 05 04 03 27.1–2.4 10.36S 161.48E 86–18 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=8.0km az=141.6.
IDC Error ellipse: s-maj=27.1km s-min=16.7km az=66.0.
ISC VII 06 17 50 14.2–.32 10.48S–.05 161.47E–.06 100 4.8b 206 2-145
BJI VII 06 17 50 11.0 10.38S 161.80E 90 4.8b,4.7b **¶601243323**
IDC VII 06 17 50 12.6–.56 10.50S 161.47E 82–4 4.5,4.3
ISCJB VII 06 17 50 13.6–.16 10.46S–.03 161.35E–.03 100 4.8b,4.3
NEIC VII 06 17 50 14.2–.55 10.43S 161.41E 93–5 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=7.8km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.4km az=150.6.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=120.0.
ISC VII 08 22 39 08.8–.92 6.46S–.06 155.03E–.07 102–8 4.5b 120 4-160
BJI VII 08 22 39 06.0 6.87S 155.03E 103 4.8b,4.7b **¶601258056**
IDC VII 08 22 39 08.0–2.2 6.49S 154.89E 92–20 4.4,4.2
ISCJB VII 08 22 39 08.1–.82 6.54S–.04 154.94E–.04 110–7 4.4b,4.2
NEIC VII 08 22 39 09.1–.83 6.55S 154.97E 107–7 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=10.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.7km az=140.6.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.0km az=80.0.
IDC VII 10 08 07 22.9–1.4 7.46S 158.35E 0 4.0L,3.8
¶601664377

IDC Error ellipse: s-maj=36.2km s-min=30.8km az=140.0.
ISC VII 10 23 26 04.7–.40 5.93S–.06 154.90E–.07 200 4.6b 183 3-132
BJI VII 10 23 26 02.4 6.02S 155.24E 213 4.8b,4.7b **¶601261266**
ISCJB VII 10 23 26 03.4–.19 5.93S–.03 154.88E–.03 200 4.5b,4.7b
IDC VII 10 23 26 03.6–.84 5.92S 154.90E 190–7 4.8,4.3
NEIC VII 10 23 26 05.6–.80 5.92S 154.87E 208–7 4.6b,4.3
DJA VII 10 23 26 17.8–2.1 6S–7.0 154E–15 278–15 5.5b,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 11 00 16 10.6–.75 8.46S–.04 156.43E–.04 13–4 5.2b,4.7s 502 4-161
BJI VII 11 00 16 08.1 8.12S 156.60E 5 5.3b,5.1b **¶601261267**
IDC VII 11 00 16 08.0–.37 8.46S 156.44E 0 5.0,4.9
ISCJB VII 11 00 16 08.8–.14 8.47S–.03 156.29E–.02 10 5.2b,4.7s
GCMT VII 11 00 16 10.0–.10 8.53S 156.41E 13–0 5.3W,4.7s
NEIC VII 11 00 16 10.0–.17 8.44S 156.28E 10 5.3W,5.2b
MOS VII 11 00 16 12.5–1.3 8.39S 156.22E 33 5.4b,4.7s
DJA VII 11 00 16 17.6–5.6 9S–15 156E–41 55–29 5.9b,5.6b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s105,c175; s117,c224;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$0.99±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.10±.04; $M_{\theta\phi}$0.60±.02; $M_{\phi r}$-0.40±.05; Best double couple: NP1:ϕ_s31.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s299.00000° ,δ80.00000°,λ-10.00000°. Principal axes: T 1.1460,Plg0.0000°,Azm165.0000° ; N 0.2760,Plg75.0000°,Azm74.0000°; P -1.4240,Plg15.0000°,Azm255.0000° M_o1.28500×10^{17}
NEIC Event type fe. Felt at Honiara. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$0.79 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.22 $M_{\theta\phi}$0.74 $M_{\phi r}$0.05 Best double couple: NP1:ϕ_s117.00000° ,δ80.00000°,λ11.00000°. NP2:ϕ_s25.00000°,δ79.00000°,λ170.00000°. Principal axes: T 1.1100,Plg15.0000°,Azm341.0000°; N 0.1900,Plg75.0000°,Azm157.0000° ; P -1.3000,Plg1.0000°,Azm251.0000° M_o1.20000×10^{17}
ISC VII 11 04 09 57.3–.42 9.74S–.06 159.50E–.06 22 4.7b 64 1-92
IDC VII 11 04 09 53.8–.57 9.78S 159.52E 0 4.6,4.4 **¶601275695**
ISCJB VII 11 04 09 55.5–.28 9.81S–.04 159.44E–.05 22 4.8s,4.6b
BJI VII 11 04 09 56.8 9.80S 159.50E 20 5.1b,4.9s
NEIC VII 11 04 09 58.3–1.4 9.78S 159.52E 32–5 4.7b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.1km az=43.5.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=7.4km az=136.0. Felt at Honiara.
IDC VII 11 09 11 27.7–3.6 8.34S 155.96E 0 3.9,3.8
¶601664420

IDC Error ellipse: s-maj=102.9km s-min=37.2km az=104.0.
ISC VII 12 04 55 34.0–1.1 6.6S–.20 155.1E–.20 35 3.8b 13 6-158
ISCJB VII 12 04 55 32.2–1.2 6.6S–.20 155.0E–.20 35 3.9b **¶601664463**
IDC VII 12 04 55 46.1–7.0 6.86S 155.04E 151–65 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.3km s-min=16.3km az=39.8.
IDC Error ellipse: s-maj=36.4km s-min=21.9km az=132.0.
IDC VII 13 12 51 11.3–6.0 8.33S 155.83E 0 4.1,3.9b
¶601664524

IDC Error ellipse: s-maj=101.8km s-min=77.7km az=7.0.
IDC VII 13 15 02 18.9–5.7 8.50S 158.83E 72–77 3.5,3.4
¶601664531

IDC Error ellipse: s-maj=66.9km s-min=36.8km az=126.0.
IDC VII 15 13 43 57.7–3.4 6.60S 154.78E 0 3.6,3.4

¶601664631
IDC Error ellipse: s-maj=123.8km s-min=39.0km az=118.0.
IDC VII 15 15 49 02.4–4.9 8.10S 159.38E 121–50 4.1,3.8
¶601664636
IDC Error ellipse: s-maj=116.4km s-min=54.8km az=72.0.
ISC VII 15 16 04 45.6–1.1 10.4S–.10 162.4E–.10 35 3.9b 14 3-94
ISCJB VII 15 16 04 43.2–.86 10.41S–.10 162.41E–.10 35 3.9b ¶601664637
IDC VII 15 16 04 48.9–3.2 10.46S 162.18E 65–23 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=10.7km az=43.1.
IDC Error ellipse: s-maj=27.0km s-min=16.9km az=76.0.
ISC VII 15 19 13 01.3–1.1 10.3S–.10 161.7E–.20 61 3.8b 9 2-90
ISCJB VII 15 19 12 58.5–1.2 10.4S–.10 161.8E–.10 61 3.7b ¶601664643
IDC VII 15 19 13 02.5–3.0 10.39S 161.66E 74–22 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=13.8km az=38.7.
IDC Error ellipse: s-maj=30.9km s-min=20.0km az=65.0.
ISC VII 16 15 59 38.9–1.4 10.4S–.20 161.4E–.20 67 3.5b 9 2-90
ISCJB VII 16 15 59 37.5–1.6 10.4S–.20 161.5E–.20 67 3.3b ¶601664681
IDC VII 16 15 59 43.6–2.8 10.20S 161.20E 94–17 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.9km s-min=16.3km az=137.5.
IDC Error ellipse: s-maj=36.1km s-min=22.9km az=70.0.
IDC VII 23 10 21 09.2–1.8 6.76S 155.45E 0 3.9,3.6
¶601666303
IDC Error ellipse: s-maj=65.3km s-min=30.8km az=128.0.
ISC VII 23 10 57 51.1–1.2 10.6S–.10 161.5E–.10 61 3.2b 10 2-84
ISCJB VII 23 10 57 49.5–1.1 10.6S–.10 161.5E–.10 61 3.3b ¶601666305
IDC VII 23 10 57 51.6–2.8 10.62S 161.46E 67–22 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=10.6km az=142.9.
IDC Error ellipse: s-maj=27.6km s-min=17.9km az=70.0.
ISC VII 24 00 34 27.2–1.2 11.4S–.20 163.4E–.10 35 3.8b,3.2s 10 4-92
IDC VII 24 00 34 22.2–1.4 11.35S 163.38E 0 4.3L,4.0 ¶601666348
ISCJB VII 24 00 34 25.4–.91 11.5S–.10 163.34E–.10 33 3.7b,3.1s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 24 00 43 06.9–3.0 11.45S 163.64E 0 4.4L,3.8
¶601666349
IDC Error ellipse: s-maj=70.2km s-min=37.6km az=118.0.
ISC VII 24 02 57 38.1–.59 11.09S–.09 163.30E–.07 31 4.5b,3.8s 38 4-98
IDC VII 24 02 57 33.4–.91 11.05S 163.20E 0 4.3,4.1 ¶601643199
ISCJB VII 24 02 57 35.9–.42 11.17S–.07 163.34E–.06 31 4.6b,3.6s
NEIC VII 24 02 57 38.6–1.4 11.13S 163.37E 39–13 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=20.5km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.8km az=167.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.6km az=148.0.
ISC VII 25 11 20 27.9–.32 9.67S–.03 159.86E–.03 24–1 6.5s,6.4b 1578 0-174
IDC VII 25 11 20 23.1–.31 9.74S 159.82E 0 6.2s,6.2 ¶601506051
BJI VII 25 11 20 25.3 9.64S 159.66E 18 6.5b,6.4s
ISCJB VII 25 11 20 26.9–.72 9.69S–.02 159.79E–.02 28–5 6.4s,6.2b
MOS VII 25 11 20 27.4–.72 9.67S 159.79E 36 6.5b,6.5s
NEIC VII 25 11 20 27.0–.00 9.52S 159.73E 30 6.5b,6.5s
GCMT VII 25 11 20 27.0–.10 9.84S 159.71E 25–0 6.5W,6.5s
NEIC VII 25 11 20 27.0–.12 9.69S 159.73E 20 6.5s,6.4
ISC Event type de.
IDC Error ellipse: s-maj=12.0km s-min=8.4km az=98.0.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.9km az=175.8.
MOS Error ellipse: s-maj=7.2km s-min=6.0km az=106.2.
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.18 $M_{r\theta}$4.42 $M_{\theta\phi}$1.68 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s274.00000° ,δ90.00000°,λ-69.00000°. NP2:ϕ_s4.00000°,δ21.00000°,λ-179.00000°. Principal axes: T 4.7200,Plg41.0000°,Azm344.0000°; N 0.0500,Plg20.0000°,Azm93.0000° ; P -4.7800,Plg41.0000°,Azm203.0000° $M_0$4.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s146,c354; s148,c578;Duration: 4⇕1 Moment tensor: Scale 10^{18} Nm; M_{rr}0.16±.01 $M_{\theta\theta}$0.19±.01; $M_{\phi\phi}$-0.35±.01; $M_{r\theta}$5.60±.06; $M_{\theta\phi}$1.68±.01; $M_{\phi r}$-0.55±.04; Best double couple: NP1:ϕ_s96.00000°,δ89.00000°,λ73.00000°. NP2:ϕ_s3.00000°,δ17.00000° ,λ177.00000°. Principal axes: T 5.8810,Plg43.0000°,Azm350.0000°; N -0.0010,Plg17.0000° ,Azm96.0000°; P -5.8800,Plg42.0000°,Azm202.0000° $M_0$5.88100×10^{18}
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=3.5km az=98.0. Twenty-six houses destroyed and landslides occurred on the south coast of Guadalcanal. Felt [VI] at Honiara. Also felt on Tulaghi. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a larger one about 3 seconds later. Depth from synthetics of broadband displacement seismograms based on larger event. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$5.00000×10^{18} Moment Tensor Solution. s69 Moment tensor: Scale 10^{18}Nm; M_{rr}0.14 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.53 $M_{r\theta}$2.67 $M_{\theta\phi}$1.56 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s4.00000°,δ31.00000°,λ178.00000°. NP2:ϕ_s96.00000° ,δ89.00000°,λ59.00000°. Principal axes: T 3.3000,Plg38.0000°,Azm338.0000° ; N -0.3600,Plg31.0000°,Azm96.0000°; P -2.9400,Plg36.0000°,Azm213.0000° $M_0$3.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s359.00000°,δ10.00000°,λ174.00000°. NP2:ϕ_s95.00000°,δ89.00000°,λ80.00000°. Principal axes: T Plg45.0000°,Azm355.0000°; N Plg0.0000°,Azm0.0000°; P Plg43.0000° ,Azm195.0000°
ISC VII 25 12 35 47.0–.58 9.71S–.08 159.8E–.10 34 4.3b 25 0-98
IDC VII 25 12 35 41.9–.59 9.68S 159.76E 0 4.4,4.3 ¶601468516
ISCJB VII 25 12 35 45.4–.43 9.71S–.07 159.70E–.08 34 4.3b,4.3
NEIC VII 25 12 35 46.6–.99 9.70S 159.77E 30–7 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=8.8km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=32.3.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.9km az=100.0.
ISC VII 25 20 01 37.5–.78 9.71S–.09 159.9E–.20 35 4.2b,3.5s 30 0-124
IDC VII 25 20 01 32.1–.69 9.73S 159.89E 0 4.4,4.3 ¶601472497
ISCJB VII 25 20 01 35.9–.62 9.76S–.08 159.8E–.10 35 4.2b,3.5s
NEIC VII 25 20 01 35.8–1.5 9.80S 159.83E 23–10 4.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=8.7km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=8.2km az=29.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=10.1km az=110.0.
ISC VII 25 21 43 29.6–.33 9.73S–.05 159.86E–.06 32 4.9b,4.0s 347 0-165
IDC VII 25 21 43 24.3–.42 9.71S 159.86E 0 4.9,4.8 ¶601472501
BJI VII 25 21 43 25.7 9.34S 159.95E 12 5.0b,5.0b
MOS VII 25 21 43 27.0–.96 9.64S 159.60E 22 5.2b,5.0b
ISCJB VII 25 21 43 28.5–.16 9.69S–.03 159.68E–.03 32 4.9b,4.0s
NEIC VII 25 21 43 28.9–.94 9.73S 159.70E 26–6 5.0b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=7.7km az=111.0.
MOS Error ellipse: s-maj=8.9km s-min=7.2km az=80.4.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.1km az=142.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.2km az=133.0. Felt at Honiara.
IDC VII 26 03 52 51.0–7.3 6.48S 154.56E 104–63 3.8,3.8
¶601666454
IDC Error ellipse: s-maj=121.8km s-min=36.2km az=139.0.
IDC VII 26 11 39 49.2–1.3 9.35S 159.71E 0 3.6,3.4
¶601666474
IDC Error ellipse: s-maj=39.5km s-min=11.8km az=12.0.
ISC VII 26 14 45 48.6–.67 5.77S–.09 154.27E–.10 100 3.9b 20 7-152
ISCJB VII 26 14 45 47.3–.50 5.68S–.07 154.21E–.07 100 4.0b ¶601666482
IDC VII 26 14 45 48.5–3.5 5.65S 154.19E 93–32 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.7km az=37.1.
IDC Error ellipse: s-maj=18.6km s-min=15.5km az=76.0.
ISC VII 28 12 39 06.9–.97 9.7S–.20 159.8E–.20 34 3.7b 12 0-89
IDC VII 28 12 39 04.9–4.1 9.64S 159.80E 20–27 3.8,3.7 ¶601666564
ISCJB VII 28 12 39 05.4–.74 9.7S–.10 159.7E–.20 34 3.6b,2.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 28 21 58 56.6–.50 9.00S–.09 158.74E–.06 10 4.4b 34 1-152
ISCJB VII 28 21 58 55.0–.38 8.98S–.07 158.70E–.04 10 4.2b,4.2s ¶601484878
IDC VII 28 21 58 55.0–.51 8.96S 158.73E 0 4.4,4.3b
NEIC VII 28 21 58 57.0–2.0 9.02S 158.77E 13–13 4.7b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.2km az=21.1.
IDC Error ellipse: s-maj=16.2km s-min=14.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.3km az=119.0.
IDC VII 31 12 50 39.4–1.6 9.10S 157.95E 0 3.9,3.7
¶601650825
IDC Error ellipse: s-maj=50.3km s-min=26.7km az=171.0.
ISC VII 31 13 51 04.8–2.1 9.8S–.20 159.9E–.40 32 3.6b 8 0-89
IDC VII 31 13 51 00.1–1.8 10.00S 159.93E 0 3.9,3.7 ¶601650827
ISCJB VII 31 13 51 03.2–1.8 9.9S–.10 159.9E–.30 32 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 01 09 08 20.3–.63 9.4S–.10 158.19E–.05 27 4.0b 21 2-91
IDC VIII 01 09 08 17.0–.87 9.27S 158.13E 0 4.2,4.1 ¶601696401
ISCJB VIII 01 09 08 18.9–.54 9.31S–.09 158.17E–.06 27 4.0b,4.1
NEIC VIII 01 09 08 21.4–.53 9.38S 158.24E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=17.7km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.7km az=174.7.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.6km az=139.0.
ISC VIII 02 03 15 28.8–.35 6.31S–.03 154.87E–.03 47–2 5.3b,4.6s 873 3-160
MOS VIII 02 03 15 26.8–1.0 6.13S 154.71E 36 5.4b,4.3s ¶601503298
BJI VIII 02 03 15 26.1 6.01S 155.11E 38 5.4b,5.1b
NEIC VIII 02 03 15 27.0–2.5 6.32S 154.83E 31–2 5.4b,5.2W
ISCJB VIII 02 03 15 28.3–.77 6.27S–.02 154.76E–.02 49–6 5.3b,4.5s
DJA VIII 02 03 15 30.7–.40 6S–3.0 155E–4.0 59–3 5.9b,5.6b
GCMT VIII 02 03 15 31.0–.10 6.61S–.01 154.68E–.01 47–0 5.4W,5.6b
IDC VIII 02 03 15 31.9–1.4 6.29S 154.81E 74–12 5.1,4.8
ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=6.2km az=91.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.5km az=70.0. Moment Tensor Solution. s22 Moment tensor: Scale 10^{16}Nm; M_{rr}7.89 $M_{\theta\theta}$-4.88 $M_{\phi\phi}$-3.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$3.43 $M_{\phi r}$-0.11 Best double couple: NP1:ϕ_s128.00000°,δ45.00000°,λ91.00000°. NP2:ϕ_s307.00000° ,δ45.00000°,λ89.00000°. Principal axes: T 7.9000,Plg90.0000°,Azm113.0000° ; N -0.3900,Plg1.0000°,Azm307.0000°; P -7.5100,Plg0.0000°,Azm217.0000° $M_0$7.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=32.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c171; s104,c146;Duration: 1⇕2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$-0.54±.02; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$0.91±.02; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s314.00000°,δ45.00000°,λ93.00000°. NP2:ϕ_s131.00000°,δ45.00000°,λ87.00000°. Principal axes: T 1.2510,Plg88.0000° ,Azm303.0000°; N 0.2870,Plg2.0000°,Azm133.0000°; P -1.5330,Plg0.0000°,Azm43.0000° $M_0$1.39200×10^{17}
IDC Error ellipse: s-maj=8.7km s-min=7.8km az=92.0.
ISC VIII 03 04 08 58.4–.23 6.99S–.03 155.77E–.04 41–1 5.3b,5.0s 745 5-162
ISCJB VIII 03 04 08 57.7–.83 6.94S–.02 155.71E–.02 46–7 5.2b,5.0s ¶601513211
BJI VIII 03 04 08 57.5 6.90S 155.70E 40 5.4b,5.1s
MOS VIII 03 04 08 57.5–.96 6.92S 155.76E 41 5.4b,4.8s
IDC VIII 03 04 08 58.1–.28 6.97S 155.74E 39–2 5.0,5.0L
NEIC VIII 03 04 08 58.3–.12 6.94S 155.72E 39 5.4b,5.1s
DJA VIII 03 04 09 00.2–.60 7S–4.0 156E–4.0 48–6 6.1,5.9b
GCMT VIII 03 04 09 01.3–.10 7.20S–.01 155.64E–.01 46–0 5.5W,5.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c223; s112,c206;Duration: 1⇕4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$-1.40±.02; $M_{\phi\phi}$-0.65±.02; $M_{r\theta}$0.06±.03; $M_{\theta\phi}$1.30±.02; $M_{\phi r}$-0.30±.02; Best double couple: NP1:ϕ_s133.00000°,δ48.00000°,λ99.00000°. NP2:ϕ_s300.00000°,δ42.00000°,λ80.00000°. Principal axes: T 2.0840,Plg83.0000° ,Azm103.0000°; N 0.3050,Plg6.0000°,Azm308.0000°; P -2.3900,Plg3.0000°,Azm217.0000° $M_0$2.23700×10^{17}
IDC VIII 05 16 28 14.2–1.1 9.70S 159.25E 0 3.7,3.5
¶601765503
IDC Error ellipse: s-maj=66.5km s-min=14.0km az=158.0.
ISC VIII 06 02 38 20.3–.69 6.68S–.10 155.81E–.10 50 4.0b,3.3s 16 5-84
ISCJB VIII 06 02 38 18.4–.57 6.69S–.08 155.80E–.08 50 3.9b,3.0s ¶601765533
IDC VIII 06 02 38 22.5–2.9 6.78S 155.84E 74–28 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=10.8km az=42.0.
IDC Error ellipse: s-maj=22.0km s-min=17.1km az=119.0.
ISC VIII 06 06 52 49.9–.64 6.9S–.10 156.1E–.10 62 3.9b 16 5-91
ISCJB VIII 06 06 52 48.2–.52 6.81S–.08 156.10E–.08 62 3.9b ¶601765539
IDC VIII 06 06 52 52.0–3.6 6.97S 156.15E 87–39 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=9.3km az=136.7.
IDC Error ellipse: s-maj=26.8km s-min=16.8km az=132.0.
IDC VIII 07 08 40 19.8–5.3 6.67S 154.94E 0 3.8,3.6
¶601765595
IDC Error ellipse: s-maj=98.4km s-min=74.8km az=166.0.
ISC VIII 07 11 17 41.8–.71 6.8S–.20 155.1E–.20 41 3.9b 18 5-153
IDC VIII 07 11 17 35.7–.68 6.79S 155.16E 0 4.2,4.0 ¶601765599
ISCJB VIII 07 11 17 40.5–.68 6.8S–.10 155.0E–.10 41 3.9b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 07 20 47 49.8–1.9 7.18S 155.49E 0 3.8,3.6b
¶601765622
IDC Error ellipse: s-maj=70.4km s-min=28.4km az=127.0.
ISC VIII 08 09 00 42.8–.39 5.83S–.06 154.83E–.06 150 4.5b 100 3-153
ISCJB VIII 08 09 00 41.8–.23 5.88S–.05 154.69E–.04 150 4.4b ¶601717638
BJI VIII 08 09 00 42.6 5.44S 154.87E 140 5.1b,4.7b
IDC VIII 08 09 00 43.8–2.6 5.93S 154.69E 158–24 4.5,4.2
NEIC VIII 08 09 00 44.7–.73 5.85S 154.71E 166–7 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=6.0km az=139.6.
IDC Error ellipse: s-maj=14.9km s-min=13.0km az=59.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=118.0.
ISC VIII 08 09 52 24.3–.83 10.6S–.10 161.7E–.10 61 3.7b 15 2-89
ISCJB VIII 08 09 52 23.6–.82 10.54S–.10 161.7E–.10 61 3.6b ¶601765646
IDC VIII 08 09 52 28.2–1.1 10.42S 161.51E 93–8 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=8.0km az=140.1.
IDC Error ellipse: s-maj=20.5km s-min=11.3km az=46.0.
ISC VIII 09 20 10 28.0–1.8 7.3S–.30 155.2E–.40 31 3.7b 8 8-153
IDC VIII 09 20 10 23.2–1.7 7.29S 155.22E 0 4.0,3.7b ¶601765714
ISCJB VIII 09 20 10 26.0–2.0 7.3S–.30 155.2E–.40 31 3.7b,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 10 05 56 33.1–.37 6.87S–.06 154.78E–.06 41 4.8b,3.9s 123 4-153
IDC VIII 10 05 56 26.4–.74 6.86S 154.71E 0 4.5,4.3 ¶601534323
ISCJB VIII 10 05 56 31.4–.27 6.91S–.05 154.79E–.05 41 4.6b,3.9s
GCMT VIII 10 05 56 33.1–.40 7.12S–.03 154.77E–.04 23–1 4.9W,3.9s
BJI VIII 10 05 56 35.8 6.34S 155.09E 74 5.0b,5.0s
NEIC VIII 10 05 56 36.1–.76 6.88S 154.70E 71–7 4.7b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=20.1km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=139.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s63,c74;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.51±.19 $M_{\theta\theta}$-1.56±.12; $M_{\phi\phi}$-0.94±.12; $M_{r\theta}$0.54±.18; $M_{\theta\phi}$0.82±.08; $M_{\phi r}$-1.10±.17; Best double couple: NP1:ϕ_s136.00000°,δ58.00000°,λ101.00000°. NP2:ϕ_s296.00000°,δ33.00000°,λ73.00000°. Principal axes: T 2.8500,Plg74.0000° ,Azm76.0000°; N -0.4760,Plg9.0000°,Azm311.0000°; P -2.3660,Plg13.0000°,Azm219.0000° $M_0$2.60800×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.6km az=116.0.
ISC VIII 10 12 08 45.6–.56 10.34S–.06 161.94E–.08 54 4.9b,3.8s 76 2-160
ISCJB VIII 10 12 08 44.1–.51 10.20S–.05 161.88E–.08 54 4.8b,3.9s ¶601541971
NEIC VIII 10 12 08 44.3–.53 10.19S 161.77E 35 4.9b,3.9s

BJI VIII 10 12 08 45.6 10.80S 161.20E 35 5.0b,4.9b
GCMT VIII 10 12 08 46.3–.30 10.29S–.02 161.92E–.02 35–1 5.0W,4.9b
IDC VIII 10 12 08 47.8–2.4 10.38S 161.82E 75–18 4.5,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.8km az=2.8.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.5km az=91.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c57; s67,c97;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.94±.18 $M_{\theta\theta}$-0.62±.14; $M_{\phi\phi}$-0.31±.15; $M_{r\theta}$-0.06±.19; $M_{\theta\phi}$4.24±.12; $M_{\theta r}$1.47±.21; Best double couple: NP1:ϕ_s357.00000°,δ85.00000°,λ159.00000°. NP2:ϕ_s90.00000°,δ69.00000°,λ6.00000°. Principal axes: T 4.1110,Plg18.0000° ,Azm312.0000°; N 0.8010,Plg69.0000°,Azm163.0000°; P -4.9110,Plg11.0000°,Azm45.0000° $M_0$4.51100×10^{16}
IDC Error ellipse: s-maj=23.6km s-min=15.8km az=66.0.
ISC VIII 14 10 10 48.7–.63 6.31S–.08 154.25E–.06 100 4.0b 29 3-152
ISCJB VIII 14 10 10 47.6–.55 6.36S–.08 154.25E–.06 100 3.8b **¶601765831**
NEIC VIII 14 10 10 47.8–1.1 6.32S 154.34E 91–10 4.0b
IDC VIII 14 10 10 47.9–2.9 6.41S 154.31E 90–26 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.3km az=170.2.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=11.2km az=224.0.
IDC Error ellipse: s-maj=25.5km s-min=16.8km az=175.0.
ISC VIII 15 16 48 38.8–.84 6.6S–.20 155.4E–.20 56 3.8b 13 5-153
ISCJB VIII 15 16 48 37.7–.89 6.6S–.20 155.2E–.20 56 3.7b,3.0s **¶601765893**
IDC VIII 15 16 48 44.0–5.3 6.62S 155.06E 96–44 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=16.1km az=135.4.
IDC Error ellipse: s-maj=31.9km s-min=22.4km az=101.0.
ISC VIII 15 22 20 38.3–.52 9.00S–.10 157.49E–.06 17 4.2b,3.5s 39 2-151
IDC VIII 15 22 20 36.0–.69 8.99S 157.38E 0 4.4,4.2b **¶601734943**
ISCJB VIII 15 22 20 36.7–.44 9.02S–.07 157.50E–.08 17 4.2b,3.4s
NEIC VIII 15 22 20 40.8–.37 9.05S 157.55E 35 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=18.7km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=9.9km az=20.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.5km az=114.0.
ISC VIII 16 06 57 55.2–.89 6.0S–.10 154.5E–.20 61 3.7b 15 6-152
ISCJB VIII 16 06 57 54.0–.77 6.0S–.10 154.4E–.10 61 3.8b **¶601765921**
IDC VIII 16 06 57 55.7–6.6 5.95S 154.40E 61–59 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=15.8km az=178.4.
IDC Error ellipse: s-maj=28.5km s-min=24.2km az=88.0.
IDC VIII 16 08 28 18.4–2.4 6.89S 156.83E 0 4.3,4.1b
¶601765925
IDC Error ellipse: s-maj=73.8km s-min=33.5km az=102.0.
ISC VIII 17 08 47 35.3–.28 6.74S–.04 154.62E–.04 39 5.0b,4.5s 387 4-153
IDC VIII 17 08 47 28.8–.46 6.72S 154.57E 0 4.7,4.6 **¶601564825**
ISCJB VIII 17 08 47 33.7–.13 6.79S–.03 154.56E–.02 39 4.9b,4.5s
MOS VIII 17 08 47 33.9–.94 6.51S 154.53E 37 5.3b,4.6s
BJI VIII 17 08 47 35.2 6.16S 154.98E 45 5.3b,5.1b
GCMT VIII 17 08 47 35.7–.10 7.00S–.01 154.56E–.01 15–0 5.3W,5.1b
NEIC VIII 17 08 47 36.7–.64 6.75S 154.53E 54–5 5.0b,5.1b
DJA VIII 17 08 47 40.2–2.6 7S–10 154E–16 68–18 5.7,5.5b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c135; s104,c175;Duration: 1$1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.02 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$-0.36±.01; $M_{r\theta}$0.68±.04; $M_{\theta\phi}$0.41±.01; $M_{\theta r}$-0.69±.05; Best double couple: NP1:ϕ_s135.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s312.00000°,δ20.00000°,λ87.00000°. Principal axes: T 1.2270,Plg64.0000° ,Azm47.0000°; N 0.0310,Plg1.0000°,Azm315.0000°; P -1.2580,Plg26.0000°,Azm224.0000° $M_0$1.24300×10^{17}
NEIC Event type se.
IDC VIII 17 09 06 14.8–1.6 6.91S 154.57E 0 4.1,3.9
¶601765975
IDC Error ellipse: s-maj=69.9km s-min=27.2km az=133.0.
ISC VIII 17 09 29 53.4–.53 6.70S–.09 154.69E–.09 39 4.4b,3.8s 51 6-153
IDC VIII 17 09 29 47.3–.67 6.78S 154.64E 0 4.5,4.4b **¶601564923**
ISCJB VIII 17 09 29 52.2–.38 6.70S–.06 154.60E–.06 39 4.3b,3.8s
NEIC VIII 17 09 29 56.3–1.3 6.73S 154.55E 65–12 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=15.9km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.8km az=152.8.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=163.0.
ISC VIII 17 12 50 08.4–1.1 10.6S–.10 161.3E–.10 61 3.7b 11 2-90
IDC VIII 17 12 50 00.5–1.1 10.55S 161.34E 0 4.0,3.8 **¶601765988**
ISCJB VIII 17 12 50 06.7–.78 10.73S–.09 161.4E–.10 61 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 17 16 09 32.4–.32 6.76S–.05 154.50E–.05 39 4.9b,4.7s 348 3-152
IDC VIII 17 16 09 26.0–.51 6.76S 154.52E 0 4.7,4.7b **¶604029692**
NEIC VIII 17 16 09 28.3–1.9 6.79S 154.53E 15–11 5.0b,4.7b
ISCJB VIII 17 16 09 30.7–.16 6.85S–.03 154.54E–.03 39 4.9b,4.7s
MOS VIII 17 16 09 31.0–1.5 6.73S 154.34E 40 5.2b,5.1s
DJA VIII 17 16 09 32.2–.80 7S–4.0 155E–4.0 36–7 5.6,5.6b
BJI VIII 17 16 09 33.7 6.27S 154.74E 55 5.4s,5.2b
GCMT VIII 17 16 09 33.3–.20 7.00S–.01 154.45E–.01 17–0 5.2W,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c102; s101,c167;Duration: 1$0
Moment tensor: Scale 10^{16}Nm; M_{rr}6.17±.18 $M_{\theta\theta}$-3.29±.11; $M_{\phi\phi}$-2.87±.12; $M_{r\theta}$3.33±.30; $M_{\theta\phi}$2.68±.09; $M_{\theta r}$-3.61±.34; Best double couple: NP1:ϕ_s136.00000°,δ65.00000°,λ92.00000°. NP2:ϕ_s310.00000°,δ25.00000°,λ85.00000°. Principal axes: T 7.9370,Plg70.0000° ,Azm50.0000°; N -0.4060,Plg2.0000°,Azm315.0000°; P -7.5220,Plg20.0000°,Azm224.0000° $M_0$7.72900×10^{16}
ISC VIII 17 16 15 35.6–.86 6.7S–.20 154.5E–.10 48 4.2b 21 8-152
IDC VIII 17 16 15 28.3–.88 6.72S 154.52E 0 4.4,4.3 **¶601765999**
ISCJB VIII 17 16 15 33.8–.80 6.7S–.10 154.4E–.10 48 4.1b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 17 16 32 11.4–1.5 6.90S 154.54E 0 4.2,3.9
¶601766000
IDC Error ellipse: s-maj=73.9km s-min=25.4km az=133.0.
ISC VIII 17 16 51 18.8–1.1 6.8S–.30 154.6E–.20 39 3.9b,3.5s 13 8-153
IDC VIII 17 16 51 12.8–1.2 6.83S 154.48E 0 4.1,3.9b **¶601766003**
ISCJB VIII 17 16 51 17.0–1.3 6.9S–.20 154.6E–.20 39 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 17 20 24 06.4–.72 8.9S–.20 157.50E–.08 17 4.2b 20 2-91
IDC VIII 17 20 24 03.6–.97 8.92S 157.60E 0 4.3L,4.2 **¶601766013**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=21.6km az=158.0.
IDC VIII 17 22 27 48.5–1.4 6.91S 154.62E 0 3.9,3.8
¶601766017
IDC Error ellipse: s-maj=40.2km s-min=26.2km az=93.0.
IDC VIII 18 06 00 37.9–5.6 7.24S 156.42E 0 3.7,3.5
¶601766030
IDC Error ellipse: s-maj=158.9km s-min=39.8km az=114.0.
ISC VIII 18 09 39 14.2–.34 6.89S–.06 155.69E–.05 50 4.6b 118 4-154
ISCJB VIII 18 09 39 12.3–.23 6.95S–.04 155.73E–.05 50 4.7b **¶601565601**
BJI VIII 18 09 39 16.6 6.84S 156.04E 87 4.9b,4.9b
NEIC VIII 18 09 39 17.8–.82 7.00S 155.78E 89–7 4.6b,4.9b
IDC VIII 18 09 39 17.5–1.8 7.02S 155.67E 85–16 4.5,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=9.4.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=88.0. Felt at Gizo.
IDC Error ellipse: s-maj=12.7km s-min=11.1km az=52.0.
IDC VIII 20 09 14 05.9–3.3 7.20S 156.11E 0 4.2,4.1
¶601766183
IDC Error ellipse: s-maj=103.9km s-min=27.6km az=115.0.
ISC VIII 20 09 49 31.0–.56 8.48S–.07 159.10E–.09 111 4.0b 38 1-89
NEIC VIII 20 09 49 27.9–1.0 8.38S 159.01E 74–10 4.1b **¶601766185**
IDC VIII 20 09 49 27.8–1.5 8.47S 159.05E 77–16 4.2,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=78.0.
IDC Error ellipse: s-maj=17.5km s-min=15.6km az=118.0.
IDC VIII 20 20 52 14.2–1.7 9.61S 159.76E 0 3.9,3.6b
¶601766217
IDC Error ellipse: s-maj=124.5km s-min=11.0km az=141.0.
ISC VIII 21 13 34 39.3–1.3 7.9S–.20 155.4E–.20 20 4.2b,3.0s 20 5-91
IDC VIII 21 13 34 35.7–1.9 7.93S 155.40E 0 4.0,3.8 **¶601653002**
ISCJB VIII 21 13 34 38.1–.84 7.9S–.10 155.3E–.10 20 4.0b,3.0s
NEIC VIII 21 13 34 38.0–.89 7.92S 155.29E 10 4.6b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=19.8km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=8.9km az=145.9.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=10.5km az=132.0.
IDC VIII 22 09 49 25.7–1.2 9.20S 159.43E 0 3.8,3.5
¶601766295
IDC Error ellipse: s-maj=34.5km s-min=9.1km az=21.0.
ISC VIII 22 21 36 01.8–.31 6.94S–.06 155.55E–.05 50 4.6b,3.6s 139 4-161
ISCJB VIII 22 21 35 59.8–.26 6.98S–.04 155.57E–.05 50 4.6b,3.6s **¶601614667**
BJI VIII 22 21 35 59.8 7.36S 155.94E 76 5.0b,4.9s
IDC VIII 22 21 36 04.5–1.9 6.94S 155.46E 75–17 4.4,4.2
NEIC VIII 22 21 36 05.1–.88 7.00S 155.56E 84–8 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=39.1.
IDC Error ellipse: s-maj=12.3km s-min=11.0km az=14.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.1km az=110.0.
ISC VIII 25 02 15 31.2–.89 10.22S–.10 161.2E–.10 67 3.8b 16 1-85
ISCJB VIII 25 02 15 28.6–1.0 10.29S–.10 161.3E–.10 67 3.6b **¶601766427**
IDC VIII 25 02 15 33.1–.99 10.12S 161.08E 88–7 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=10.0km az=143.5.
IDC Error ellipse: s-maj=18.1km s-min=11.2km az=42.0.
ISC VIII 26 06 49 31.2–1.1 8.02S–.08 160.1E–.20 35 3.6b 11 1-88
IDC VIII 26 06 49 26.2–1.3 8.03S 160.00E 0 4.0,3.8 **¶601766490**
ISCJB VIII 26 06 49 29.4–.92 7.95S–.06 160.1E–.20 33 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 27 00 27 26.4–2.2 6.26S 154.59E 0 3.9,3.6
¶601766521
IDC Error ellipse: s-maj=94.1km s-min=27.0km az=125.0.
ISC VIII 27 05 22 22.4–1.6 10.8S–.20 162.6E–.20 39 3.6b 7 3-91
ISCJB VIII 27 05 22 20.6–1.5 10.9S–.20 162.6E–.20 39 3.6b **¶601766539**
IDC VIII 27 05 22 26.9–8.2 10.69S 162.27E 70–55 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.1km s-min=20.7km az=39.0.
IDC Error ellipse: s-maj=91.3km s-min=27.1km az=120.0.
ISC VIII 27 16 23 12.7–.80 10.21S–.09 163.06E–.10 35 4.0b,3.5s 14 3-91
ISCJB VIII 27 16 23 10.8–.70 10.31S–.07 163.07E–.08 35 3.9b,3.5s **¶601766575**
IDC VIII 27 16 23 14.8–2.9 10.32S 162.97E 57–24 4.4L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.8km az=138.0.
IDC Error ellipse: s-maj=23.0km s-min=16.7km az=49.0.
ISC IX 01 23 30 37.8–.65 10.27S–.08 161.23E–.10 62 4.1b 27 2-98
ISCJB IX 01 23 30 35.5–.53 10.31S–.06 161.28E–.08 62 4.1b **¶601734423**
NEIC IX 01 23 30 40.5–.90 10.26S 161.13E 86–8 4.2b
IDC IX 01 23 30 40.2–1.9 10.25S 161.16E 82–14 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=7.9km az=155.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=84.0.
IDC Error ellipse: s-maj=19.5km s-min=13.0km az=91.0.
IDC IX 05 19 54 49.1–5.2 6.21S 154.08E 0 4.2s,4.2
¶601863004
IDC Error ellipse: s-maj=156.5km s-min=29.1km az=110.0.
IDC IX 06 11 56 32.7–2.6 6.62S 155.37E 0 4.0,3.7
¶601863040
IDC Error ellipse: s-maj=84.3km s-min=36.4km az=135.0.
ISC IX 08 04 11 46.7–.28 9.86S–.04 160.61E–.05 37 5.2b,4.6s 507 1-165
MOS IX 08 04 11 46.7–.90 9.79S 160.39E 44 5.3b,4.7s **¶604029795**
IDC IX 08 04 11 46.4–1.8 9.88S 160.55E 32–12 4.8,4.7
ISCJB IX 08 04 11 46.0–.13 9.84S–.03 160.40E–.02 37 5.1b,4.6s
GCMT IX 08 04 11 47.5–.20 10.08S–.01 160.54E–.01 33–0 5.2W,4.6s
BJI IX 08 04 11 48.8 9.80S 160.40E 41 5.1b,4.9b
NEIC IX 08 04 11 48.5–.68 9.85S 160.40E 48–6 5.2b,4.9b
ISC Event type fe.
MOS Error ellipse: s-maj=8.1km s-min=6.8km az=80.2.
IDC Error ellipse: s-maj=16.5km s-min=10.5km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=155.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c133; s95,c147;Duration: 1$0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.57±.02 $M_{\theta\theta}$-0.62±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$0.23±.02; $M_{\theta\phi}$0.38±.01; $M_{\theta r}$-0.38±.02; Best double couple: NP1:ϕ_s136.00000°,δ63.00000°,λ115.00000°. NP2:ϕ_s269.00000°,δ36.00000°,λ50.00000°. Principal axes: T 0.7670,Plg63.0000° ,Azm87.0000°; N 0.1140,Plg22.0000°,Azm304.0000°; P -0.8810,Plg15.0000°,Azm208.0000° $M_0$0.82400×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=122.0. Felt at Honiara.
ISC IX 08 21 24 02.6–.69 9.94S–.08 160.52E–.09 37 4.0b 24 1-89
IDC IX 08 21 23 57.2–1.0 9.87S 160.54E 0 4.2,4.0 **¶601737009**
ISCJB IX 08 21 24 01.0–.58 9.97S–.07 160.51E–.08 37 3.9b,4.0
NEIC IX 08 21 24 02.6–.98 9.87S 160.49E 35–9 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=17.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.1km az=144.6.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.6km az=63.0.
IDC IX 10 21 40 59.3–1.6 6.62S 154.32E 0 4.1,3.9b
¶601863315
IDC Error ellipse: s-maj=56.1km s-min=23.9km az=124.0.
ISC IX 11 04 35 59.1–1.3 7.3S–.20 156.3E–.20 45 4.0b 13 9-154
ISCJB IX 11 04 35 56.8–2.3 7.3S–.30 156.4E–.30 45 4.0b,3.3s **¶601863334**
IDC IX 11 04 35 57.9–2.2 7.42S 156.44E 39–7 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=54.4km s-min=22.5km az=34.5.
IDC Error ellipse: s-maj=59.5km s-min=22.7km az=115.0.
ISC IX 12 00 06 15.0–.94 10.3S–.10 161.3E–.10 67 3.8b 15 2-89
ISCJB IX 12 00 06 13.6–.88 10.24S–.08 161.3E–.10 67 3.6b **¶601863386**
IDC IX 12 00 06 18.5–2.4 10.16S 161.04E 88–16 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=8.3km az=145.0.
IDC Error ellipse: s-maj=29.6km s-min=20.2km az=83.0.
ISC IX 12 11 27 50.3–.29 10.08S–.04 161.14E–.04 82–2 5.2b 619 1-160
ISCJB IX 12 11 27 46.8–.97 10.08S–.02 161.05E–.02 60–8 5.3b **¶601709226**
BJI IX 12 11 27 48.7 9.56S 161.48E 77 5.0b,5.0b
IDC IX 12 11 27 49.8–.37 10.07S 161.10E 79–2 5.1,5.0
GCMT IX 12 11 27 49.8–.20 10.14S–.01 161.21E–.01 73–3 5.1W,5.0
NEIC IX 12 11 27 50.8–.46 10.11S 161.02E 86–4 5.2b,5.0
MOS IX 12 11 27 50.6–.87 10.02S 160.98E 95 5.3b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.8km az=7.9.
IDC Error ellipse: s-maj=11.2km s-min=10.0km az=89.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c65; s107,c148;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.18 $M_{\theta\theta}$-0.06±.22; $M_{\phi\phi}$-1.34±.21; $M_{r\theta}$-3.88±.09; $M_{\theta\phi}$1.40±.16; $M_{\theta r}$2.70±.09; Best double couple: NP1:ϕ_s305.00000°,δ81.00000°,λ78.00000°. NP2:ϕ_s178.00000°,δ15.00000°,λ142.00000°. Principal axes: T 4.8900,Plg53.0000° ,Azm201.0000°; N 0.4360,Plg12.0000°,Azm307.0000°; P -5.3190,Plg35.0000°,Azm46.0000° $M_0$5.10500×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=3.2km az=106.0.
MOS Error ellipse: s-maj=8.7km s-min=7.6km az=94.5.

ISC IX 13 18 48 45.0–.63 11.18S–.09 162.87E–.09 35 4.3b,3.7s 29 3-98
ISCJB IX 13 18 48 43.6–.54 11.09S–.09 162.73E–.09 35 4.2b,3.8s **¶601829104**
NEIC IX 13 18 48 49.1–1.6 11.08S 162.64E 68–14 4.3b,3.8s
IDC IX 13 18 48 50.0–2.6 11.13S 162.65E 78–21 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=11.2km az=41.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.8km az=116.0.
IDC Error ellipse: s-maj=17.4km s-min=13.7km az=95.0.
ISC IX 13 22 41 14.3–.46 11.27S–.07 162.83E–.07 35 4.9b,3.8s 71 3-149
ISCJB IX 13 22 41 12.3–.36 11.24S–.06 162.71E–.06 33 4.8b,4.0s **¶601734485**
BJI IX 13 22 41 13.0 11.20S 162.70E 35 5.0b,4.7b
NEIC IX 13 22 41 14.3–.28 11.18S 162.70E 35 4.9b,4.7b
IDC IX 13 22 41 14.9–3.1 11.19S 162.78E 42–27 4.5L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.6km az=29.6.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.0km az=125.0.
IDC Error ellipse: s-maj=25.5km s-min=17.1km az=96.0.
ISC IX 14 07 56 57.6–1.0 7.2S–.20 155.8E–.10 35 4.2b 8 5-88
IDC IX 14 07 56 49.2–6.1 7.37S 156.41E 0 4.2s,4.2 **¶601863514**
ISCJB IX 14 07 56 55.6–.77 7.2S–.10 155.89E–.10 35 4.2s,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 17 19 26 55.4–.73 9.4S–.10 159.11E–.06 27 3.9b 16 1-88
IDC IX 17 19 26 51.4–.80 9.35S 159.07E 0 4.1,4.0 **¶601839260**
ISCJB IX 17 19 26 53.7–.58 9.4S–.10 159.04E–.04 27 3.9b,4.0
NEIC IX 17 19 26 56.5–.62 9.39S 159.04E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=14.1km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=6.1km az=176.1.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.2km az=164.0.
IDC IX 18 09 49 30.7–.98 6.32S 155.10E 0 4.0,3.9
¶601863754
IDC Error ellipse: s-maj=32.2km s-min=22.2km az=136.0.
IDC IX 20 19 44 31.0–6.6 6.70S 155.03E 0 3.8s,3.8
¶601863907
IDC Error ellipse: s-maj=144.2km s-min=46.7km az=98.0.
ISC IX 21 11 59 35.9–.37 9.07S–.07 158.10E–.05 23 4.9b,3.8s 171 2-148
IDC IX 21 11 59 32.3–.61 8.97S 158.06E 0 4.5,4.4 **¶601735815**
ISCJB IX 21 11 59 34.5–.19 9.00S–.05 157.89E–.04 23 4.8b,3.8s
BJI IX 21 11 59 36.5 9.00S 158.00E 28 5.0b,4.8b
NEIC IX 21 11 59 37.8–.17 9.07S 158.01E 40 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=15.5km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=156.9.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.4km az=140.0.
ISC IX 21 16 20 54.3–.62 11.17S–.08 163.36E–.08 31 4.3b,3.8s 41 4-98
IDC IX 21 16 20 49.8–.82 11.08S 163.31E 0 4.5,4.5L **¶601863926**
ISCJB IX 21 16 20 52.8–.44 11.12S–.06 163.32E–.08 31 4.3b,3.8s
GCMT IX 21 16 20 52.0–.40 11.09S–.02 163.43E–.04 21–1 4.8W,3.8s
NEIC IX 21 16 20 55.0–.49 11.11S 163.35E 35 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=17.4km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=9.3km az=5.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c36; s57,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.74±.14 $M_{\theta\theta}$-1.44±.08; $M_{\phi\phi}$-0.29±.09; $M_{r\theta}$0.77±.13; $M_{\theta\phi}$0.19±.06; $M_{\phi r}$0.04±.19; Best double couple: NP1:ϕ_s94.00000°,δ58.00000°,λ86.00000°. NP2:ϕ_s283.00000°,δ33.00000°,λ97.00000°. Principal axes: T 1.9170,Plg77.0000° ,Azm351.0000°; N -0.2750,Plg4.0000°,Azm97.0000°; P -1.6380,Plg13.0000°,Azm188.0000° $M_0$1.77800×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=101.0.
ISC IX 22 09 05 30.3–.72 10.34S–.08 161.51E–.10 100 4.0b 21 2-90
ISCJB IX 22 09 05 28.7–.64 10.40S–.08 161.49E–.09 100 3.8b **¶601863985**
IDC IX 22 09 05 30.7–.99 10.30S 161.46E 100–7 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=8.5km az=145.8.
IDC Error ellipse: s-maj=15.1km s-min=10.9km az=43.0.
ISC IX 22 23 01 41.7–.65 10.41S–.09 162.85E–.10 21 4.2b,3.5s 24 3-145
IDC IX 22 23 01 36.9–1.5 10.73S 162.92E 0 5.2L,4.2 **¶601777933**
ISCJB IX 22 23 01 39.8–.56 10.42S–.08 162.82E–.08 21 4.0b,3.4s
NEIC IX 22 23 01 44.8–1.9 10.41S 162.73E 44–16 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=24.7km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.7km az=32.9.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.0km az=74.0.
ISC IX 23 17 49 35.4–.65 6.8S–.10 155.46E–.07 50 3.8b 19 5-148
ISCJB IX 23 17 49 33.7–.58 6.84S–.09 155.43E–.05 50 3.9b **¶601864048**
IDC IX 23 17 49 36.4–2.4 6.88S 155.42E 58–22 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.9km az=10.6.
IDC Error ellipse: s-maj=20.0km s-min=12.5km az=4.0.
ISC IX 24 04 17 15.8–.69 11.57S–.08 163.80E–.09 35 4.2b,3.4s 24 4-147
IDC IX 24 04 17 10.3–.85 11.32S 163.96E 0 4.9L,4.5 **¶601795281**
ISCJB IX 24 04 17 14.2–.54 11.44S–.07 163.85E–.06 33 4.3b,3.4s
NEIC IX 24 04 17 16.7–1.6 11.43S 163.82E 42–14 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=20.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.3km az=26.2.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.8km az=55.0.
ISC IX 25 19 42 32.6–.35 9.81S–.05 159.80E–.06 26 5.1b,4.4s 179 0-158
BJI IX 25 19 42 29.0 9.97S 159.93E 22 5.1b,5.0s **¶601740392**
ISCJB IX 25 19 42 31.0–.19 9.79S–.03 159.75E–.04 26 5.0b,4.1s
IDC IX 25 19 42 32.0–3.0 9.67S 159.75E 22–19 4.4,4.4
NEIC IX 25 19 42 33.1–.80 9.75S 159.75E 31–5 5.2b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=33.2.
IDC Error ellipse: s-maj=17.7km s-min=7.9km az=134.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=116.0.
ISC IX 27 23 26 51.1–.49 8.8S–.10 157.62E–.06 17 4.2b,3.6s 31 2-145
IDC IX 27 23 26 48.4–.66 8.77S 157.60E 0 4.4,4.2 **¶601783176**
ISCJB IX 27 23 26 49.4–.44 8.76S–.08 157.56E–.06 17 4.3b,3.8s
NEIC IX 27 23 26 49.9–.36 8.77S 157.63E 10 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=17.7km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=9.1km az=9.9.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.1km az=137.0.
ISC IX 27 23 53 49.7–.83 8.85S–.04 157.52E–.04 14–4 5.5b,5.4s 649 2-163
IDC IX 27 23 53 46.4–.38 8.76S 157.50E 0 5.2,5.2 **¶601751839**
ISCJB IX 27 23 53 47.6–.11 8.85S–.02 157.45E–.02 10 5.4b,5.4s
BJI IX 27 23 53 48.3 8.80S 157.50E 10 5.9b,5.7s
NEIC IX 27 23 53 49.0–.00 8.82S 157.46E 11 5.9b,5.7s
NEIC IX 27 23 53 49.0–.14 8.84S 157.46E 10 6.0W,5.8W
MOS IX 27 23 53 50.3–1.5 8.71S 157.29E 23 5.6b,5.3s
GCMT IX 27 23 53 53.0–.10 8.99S–.01 157.50E–.01 12 5.8W,5.3s
NEIC IX 27 23 54 01.7–.00 8.30S 156.70E 10 5.8W,5.3s
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=177.3.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-3.15 $M_{r\theta}$3.64 $M_{\theta\phi}$1.38 $M_{\phi r}$-3.33 Best double couple: NP1:ϕ_s138.00000° ,δ73.00000°,λ77.00000°. NP2:ϕ_s356.00000°,δ21.00000°,λ126.00000°. Principal axes: T 6.1900,Plg60.0000°,Azm29.0000°; N -0.2100,Plg12.0000°,Azm141.0000° ; P -5.9800,Plg26.0000°,Azm238.0000° $M_0$6.10000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.2km az=133.0. Felt at Gizo. Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ86.00000°,λ91.00000°. NP2: ϕ_s315.00000°,δ4.00000°,λ80.00000°. Principal axes: T 1.0200,Plg49.0000°,Azm56.0000° ; N 0.0600,Plg1.0000°,Azm325.0000°; P -1.0800,Plg41.0000°,Azm234.0000°
MOS Error ellipse: s-maj=9.1km s-min=7.8km az=101.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c234; s139,c389; Duration: 1h9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.54±.03 $M_{\theta\theta}$-1.12±.03; $M_{\phi\phi}$-2.42±.03; $M_{r\theta}$2.35±.09; $M_{\theta\phi}$1.88±.03; $M_{\phi r}$-4.03±.09; Best double couple: NP1:ϕ_s149.00000°,δ71.00000° ,λ93.00000°. NP2:ϕ_s320.00000°,δ19.00000°,λ82.00000°. Principal axes: T 5.8240,Plg64.0000°,Azm63.0000°; N 0.1990,Plg3.0000°,Azm328.0000° ; P -6.0230,Plg26.0000°,Azm236.0000° $M_0$5.92400×10^{17}
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}3.32 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.47 $M_{\theta\phi}$1.87 $M_{\phi r}$-4.83 Best double couple: NP1:ϕ_s166.00000° ,δ74.00000°,λ106.00000°. NP2:ϕ_s301.00000°,δ23.00000°,λ47.00000°. Principal axes: T 6.2200,Plg58.0000°,Azm98.0000°; N -0.5700,Plg15.0000°,Azm342.0000° ; P -5.6500,Plg27.0000°,Azm244.0000° $M_0$5.90000×10^{17}
ISC IX 27 23 59 37.0–.56 8.7S–.10 157.61E–.06 16 4.2b 24 2-145
IDC IX 27 23 59 34.4–.75 8.56S 157.57E 0 4.4,4.1 **¶601864319**
ISCJB IX 27 23 59 35.8–.53 8.56S–.10 157.49E–.07 16 4.1b,4.1
NEIC IX 27 23 59 36.1–.60 8.57S 157.63E 10 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=19.3km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=5.9.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.6km az=148.0.
ISC IX 28 00 01 59.7–.55 8.7S–.10 157.22E–.08 19 4.1b 27 3-145
ISCJB IX 28 00 01 58.1–.40 8.63S–.07 157.18E–.05 19 4.2b **¶601864322**
NEIC IX 28 00 01 58.1–.49 8.64S 157.26E 10 4.3b
IDC IX 28 00 02 04.4–2.5 8.74S 157.31E 60–26 4.1,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.7km az=7.1.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.3km az=123.0.
IDC Error ellipse: s-maj=20.4km s-min=13.8km az=150.0.
ISC IX 28 00 04 04.1–.62 8.9S–.20 157.55E–.07 17 4.1b 17 2-145
IDC IX 28 00 04 01.5–.92 8.87S 157.51E 0 4.2,4.0 **¶601864323**
ISCJB IX 28 00 04 02.6–.56 8.9S–.10 157.50E–.08 17 4.1b,4.0
NEIC IX 28 00 04 03.0–.35 8.91S 157.52E 10 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=23.1km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=11.6km az=174.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.9km az=175.0.
IDC IX 28 01 09 55.8–6.2 7.30S 156.03E 0 4.0,4.0
¶601864325
IDC Error ellipse: s-maj=190.0km s-min=39.2km az=115.0.
ISC IX 28 01 33 55.7–.70 8.9S–.10 157.4E–.10 17 4.0b 13 3-145
IDC IX 28 01 33 53.0–.70 8.87S 157.33E 0 4.2L,4.1 **¶601782824**
ISCJB IX 28 01 33 54.2–.59 8.9S–.10 157.30E–.10 17 3.9b,4.1
NEIC IX 28 01 33 54.5–.46 8.88S 157.35E 10 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=15.6km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=13.3km az=155.5.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.4km az=155.0.
ISC IX 28 01 47 38.1–.67 8.8S–.10 157.36E–.08 17 4.0b 16 3-145
IDC IX 28 01 47 35.4–.69 8.80S 157.37E 0 4.3L,4.2 **¶601790305**
ISCJB IX 28 01 47 36.5–.60 8.8S–.10 157.4E–.10 17 3.8b,3.4s
NEIC IX 28 01 47 36.8–.53 8.81S 157.41E 10 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=14.9km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=12.6km az=139.5.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.6km az=152.0.
ISC IX 28 04 21 09.5–.88 8.5S–.20 157.3E–.10 16 4.0b 9 3-91
IDC IX 28 04 21 07.1–1.0 8.49S 157.27E 0 4.2,4.0b **¶601864328**
ISCJB IX 28 04 21 08.4–.74 8.5S–.10 157.13E–.08 16 3.9b,4.0b
ISC Event type ke.
ISCJB Event type ke.
IDC IX 28 06 24 11.5–1.8 8.70S 157.21E 0 4.1,3.8
¶601864337
IDC Error ellipse: s-maj=142.1km s-min=32.6km az=145.0.
IDC IX 28 06 27 47.7–1.9 8.40S 157.18E 0 4.0,3.7b
¶601864338
IDC Error ellipse: s-maj=164.6km s-min=34.1km az=145.0.
IDC IX 28 09 20 14.4–1.5 8.84S 157.56E 0 4.2,4.0b
¶601864345
IDC Error ellipse: s-maj=54.9km s-min=27.0km az=127.0.
ISC IX 28 22 49 41.8–.83 11.02S–.09 162.4E–.10 46 4.0b 22 3-91
ISCJB IX 28 22 49 39.3–.69 11.08S–.07 162.49E–.09 46 4.2b,3.3s **¶601864321**
NEIC IX 28 22 49 44.1–1.3 11.00S 162.30E 66–12 4.0b,3.3s
IDC IX 28 22 49 44.1–2.5 11.08S 162.31E 68–20 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=7.6km az=149.3.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.4km az=88.0.
IDC Error ellipse: s-maj=23.9km s-min=14.5km az=69.0.
ISC IX 28 23 22 32.3–.27 8.99S–.04 157.50E–.04 17 5.2b,4.5s 340 2-156
IDC IX 28 23 22 28.5–.46 8.86S 157.52E 0 4.8,4.7 **¶601766610**
GCMT IX 28 23 22 30.7–.20 9.02S–.01 157.52E–.01 17–1 5.2W,4.7
ISCJB IX 28 23 22 31.0–.14 8.96S–.03 157.41E–.03 17 5.0b,4.5s
BJI IX 28 23 22 30.5 8.90S 157.40E 10 5.5b,5.3s
NEIC IX 28 23 22 32.7–1.5 8.93S 157.43E 20–10 5.2b,5.3s
MOS IX 28 23 22 33.4–1.2 8.90S 157.35E 33 5.3b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=12.5km az=99.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c87; s94,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.17 $M_{\theta\theta}$0.18±.13; $M_{\phi\phi}$-2.04±.15; $M_{r\theta}$2.68±.41; $M_{\theta\phi}$4.91±.14; $M_{\phi r}$-4.68±.52; Best double couple: NP1:ϕ_s168.00000°,δ79.00000°,λ122.00000°. NP2:ϕ_s275.00000°,δ34.00000°,λ20.00000°. Principal axes: T 5.1080,Plg46.0000° ,Azm111.0000°; N 3.5660,Plg31.0000°,Azm341.0000°; P -8.6740,Plg27.0000° ,Azm233.0000° $M_0$6.89100×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=147.5.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.9km az=157.0.
MOS Error ellipse: s-maj=8.9km s-min=7.6km az=45.6.
IDC IX 29 19 38 31.9–9.8 5.51S 154.04E 270–87 3.9,3.4
¶601857498
IDC Error ellipse: s-maj=69.1km s-min=49.5km az=39.0.
ISC X 01 17 59 27.6–1.0 8.3S–.20 156.9E–.10 19 3.9b 9 3-121
IDC X 01 17 59 24.5–1.2 8.28S 156.95E 0 4.0L,3.9 **¶601996417**
ISCJB X 01 17 59 26.3–.92 8.3S–.20 156.89E–.08 19 3.8s,3.7b
ISC Event type ke.
ISCJB Event type ke.
IDC X 03 05 48 05.3–2.3 4.09S 154.75E 0 4.1,3.8
¶601996890
IDC Error ellipse: s-maj=144.8km s-min=28.2km az=130.0.
ISC X 03 20 26 24.0–1.9 7.0S–.30 155.5E–.40 50 3.6b 7 5-84
IDC X 03 20 26 16.8–1.9 6.93S 155.58E 0 4.0,3.7 **¶601996977**
ISCJB X 03 20 26 22.2–2.0 7.0S–.30 155.5E–.40 50 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC X 04 02 30 17.7–1.7 8.56S 157.39E 0 4.2,4.0
¶601996997
IDC Error ellipse: s-maj=54.4km s-min=22.7km az=173.0.
ISC X 04 03 44 57.1–.52 8.41S–.08 158.61E–.08 150 4.4b 53 2-97
ISCJB X 04 03 44 55.8–.31 8.41S–.05 158.53E–.06 150 4.3b **¶601906647**
IDC X 04 03 44 56.0–1.3 8.42S 158.56E 138–15 4.3,4.1
NEIC X 04 03 44 57.2–1.1 8.38S 158.61E 150–11 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=30.6.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=129.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.2km az=135.0.
IDC X 08 08 02 17.1–2.0 10.69S 161.99E 0 4.2L,3.8
¶601997474
IDC Error ellipse: s-maj=50.4km s-min=31.5km az=139.0.
IDC X 08 08 14 16.2–1.5 6.79S 154.59E 0 4.1,3.8
¶601997475
IDC Error ellipse: s-maj=77.8km s-min=24.8km az=132.0.
ISC X 10 15 01 02.5–1.3 6.8S–.30 154.0E–.20 48 3.7b 9 7-152
IDC X 10 15 00 55.7–1.3 6.75S 154.09E 0 3.9,3.7 **¶601997777**
ISCJB X 10 15 01 01.5–1.1 6.7S–.20 153.9E–.20 48 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 11 01 29 22.2–.64 6.8S–.10 154.03E–.10 35 4.1b 36 7-152

IDC X 11 01 29 16.9–.77 6.74S 154.08E 0 4.1,4.0 **¶601997821**
NEIC X 11 01 29 18.9–.36 6.77S 154.10E 10 4.5b,4.0
ISCJB X 11 01 29 21.3–.59 6.71S–.09 153.86E–.09 33 4.1b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 11 03 05 02.2–.59 10.04S–.05 160.91E–.06 26–3 4.9b,3.9s 127 1-148
IDC X 11 03 04 57.4–.65 10.05S 160.99E 0 4.4,4.4 **¶601825979**
ISCJB X 11 03 04 58.7–1.4 10.10S–.04 160.88E–.04 14–8 4.7b,3.9s
BJI X 11 03 04 59.4 9.78S 161.33E 20 5.2b,4.8b
NEIC X 11 03 05 00.6–3.0 10.01S 160.80E 14–18 4.8b,4.8b
MOS X 11 03 05 01.8–1.5 9.96S 160.85E 33 5.3b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=12.2km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.9km az=149.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=102.0.
MOS Error ellipse: s-maj=10.8km s-min=10.4km az=149.1.
ISC X 12 18 30 52.5–.89 5.6S–.10 154.2E–.10 400 3.3b 18 8-152
ISCJB X 12 18 30 51.0–.74 5.6S–.10 154.2E–.10 400 3.3b **¶601998035**
IDC X 12 18 30 53.0–1.9 5.60S 154.27E 410–20 3.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=11.4km az=43.4.
IDC Error ellipse: s-maj=17.6km s-min=12.2km az=106.0.
ISC X 13 10 03 57.9–.31 11.08S–.05 162.84E–.05 34 5.1b,4.4s 350 3-167
IDC X 13 10 03 52.4–.51 11.11S 162.89E 0 4.9,4.9 **¶601832089**
ISCJB X 13 10 03 56.5–.14 11.05S–.03 162.78E–.03 34 5.0b,4.4s
MOS X 13 10 03 56.3–.81 11.02S 162.77E 33 5.2b,4.4s
NEIC X 13 10 03 59.7–.75 11.11S 162.83E 52–6 5.1b,4.4s
BJI X 13 10 04 00.0 10.74S 162.64E 47 5.2b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=14.3km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=141.0.
MOS Error ellipse: s-maj=10.5km s-min=7.8km az=72.4.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=123.0.
ISC X 13 12 59 55.3–.79 7.4S–.10 156.8E–.10 398 3.6b 13 4-86
ISCJB X 13 12 59 54.2–.67 7.4S–.10 156.74E–.09 398 3.5b **¶601998118**
IDC X 13 12 59 54.8–1.8 7.36S 156.79E 390–27 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=11.6km az=2.0.
IDC Error ellipse: s-maj=42.1km s-min=15.1km az=137.0.
ISC X 14 04 58 07.2–.25 7.17S–.03 156.13E–.03 63–2 5.8b 1557 4-162
MOS X 14 04 58 03.3–.92 7.07S 156.08E 33 5.9b,5.3s **¶606632145**
NEIC X 14 04 58 04.9–.09 7.15S 156.05E 37 5.8W,5.8W
ISCJB X 14 04 58 04.5–.62 7.14S–.02 156.05E–.02 45–5 5.8b,5.4s
BJI X 14 04 58 06.5 6.91S 156.17E 62 5.7b,5.6b
IDC X 14 04 58 06.7–.37 7.17S 156.07E 54–3 5.7,5.4
DJA X 14 04 58 07.2–.20 7S–3.0 156E–3.0 50 6.1b,5.9b
NEIC X 14 04 58 07.0–.00 7.09S 155.96E 60 6.1b,5.9b
GCMT X 14 04 58 08.9–.10 7.33S–.01 156.06E–.01 50–0 5.8W,5.9b
NEIC X 14 04 58 22.2–.00 6.96S 155.55E 47 5.8W,5.9b
ISC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=5.2km az=95.3.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=148.0. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.33 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}6.34 $M_{\theta\theta}$-4.72 $M_{\phi\phi}$-1.62 $M_{r\theta}$-0.77 $M_{\theta\phi}$3.13 $M_{\phi r}$0.45 Best double couple: NP1:ϕ_s122.00000°,δ41.00000°,λ90.00000°. NP2: ϕ_s302.00000°,δ49.00000°,λ90.00000°. Principal axes: T 6.4000,Plg86.0000°,Azm209.0000° ; N 0.3200,Plg0.0000°,Azm302.0000°; P -6.7200,Plg4.0000°,Azm32.0000° $M_0$6.60000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=177.5.
IDC Error ellipse: s-maj=8.8km s-min=7.3km az=51.0.
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}5.70 $M_{\theta\theta}$-3.41 $M_{\phi\phi}$-2.29 $M_{r\theta}$0.63 $M_{\theta\phi}$3.38 $M_{\phi r}$0.07 Best double couple: NP1:ϕ_s125.00000° ,δ47.00000°,λ83.00000°. NP2:ϕ_s315.00000°,δ43.00000°,λ97.00000°. Principal axes: T 5.7600,Plg84.0000°,Azm332.0000°; N 0.5300,Plg5.0000°,Azm130.0000° ; P -6.2900,Plg2.0000°,Azm220.0000° $M_0$6.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c285; s137,c370; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.33±.06 $M_{\theta\theta}$-4.21±.05; $M_{\phi\phi}$-2.12±.05; $M_{r\theta}$-1.34±.05; $M_{\theta\phi}$3.49±.04; $M_{\phi r}$-0.18±.05; Best double couple: NP1:ϕ_s298.00000°,δ50.00000° ,λ78.00000°. NP2:ϕ_s136.00000°,δ42.00000°,λ103.00000°. Principal axes: T 6.5480,Plg80.0000°,Azm151.0000°; N 0.3310,Plg9.0000°,Azm305.0000° ; P -6.8790,Plg4.0000°,Azm36.0000° $M_0$6.71400×10^{17}
NEIC Event type se. Moment Tensor Solution. s7 Moment tensor: Scale 10^{17}Nm; M_{rr}6.60 $M_{\theta\theta}$-4.62 $M_{\phi\phi}$-1.98 $M_{r\theta}$-0.92 $M_{\theta\phi}$4.26 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s305.00000° ,δ49.00000°,λ88.00000°. NP2:ϕ_s128.00000°,δ41.00000°,λ92.00000°. Principal axes: T 6.6800,Plg86.0000°,Azm195.0000°; N 1.1600,Plg2.0000°,Azm306.0000° ; P -7.8400,Plg4.0000°,Azm36.0000° $M_0$7.30000×10^{17}
ISC X 14 13 18 53.6–.47 10.31S–.04 161.51E–.05 66–3 5.1b 365 2-160
BJI X 14 13 18 49.7 10.32S 161.82E 63 5.2b,5.2s **¶601833207**
NEIC X 14 13 18 53.0–.16 10.27S 161.42E 62 5.1b,5.2s
MOS X 14 13 18 54.6–.76 10.20S 161.30E 86 5.1b,4.2s
ISCJB X 14 13 18 54.6–1.1 10.21S–.03 161.33E–.03 82–9 5.0b,4.2s
IDC X 14 13 18 55.8–2.0 10.27S 161.38E 83–16 4.9,4.7
GCMT X 14 13 18 55.0–.30 10.10S–.02 161.10E–.02 68–2 5.1W,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c45; s64,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.19 $M_{\theta\theta}$2.86±.25; $M_{\phi\phi}$-3.20±.21; $M_{r\theta}$2.07±.11; $M_{\theta\phi}$4.61±.19; $M_{\phi r}$0.21±.11; Best double couple: NP1:ϕ_s108.00000°,δ82.00000°,λ19.00000°. NP2:ϕ_s15.00000°,δ71.00000°,λ172.00000°. Principal axes: T 6.0060,Plg19.0000° ,Azm333.0000°; N -0.2090,Plg69.0000°,Azm129.0000°; P -5.7950,Plg8.0000° ,Azm240.0000° $M_0$5.90100×10^{16}
ISC X 14 21 49 10.7–.60 6.91S–.09 154.6E–.10 39 4.3b 49 4-153
IDC X 14 21 49 04.5–.78 6.90S 154.66E 0 4.4,4.3b **¶601998263**
ISCJB X 14 21 49 09.4–.46 6.97S–.06 154.53E–.09 39 4.2b,4.3b
NEIC X 14 21 49 10.8–1.7 6.90S 154.48E 41–14 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=18.5km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.6km az=155.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.0km az=90.0.
IDC X 15 07 21 26.7–7.1 5.38S 154.15E 176–65 3.8,3.4
¶601998302
IDC Error ellipse: s-maj=28.1km s-min=24.4km az=117.0.
IDC X 15 14 49 33.4–1.6 7.02S 154.69E 0 3.8,3.6
¶601998344
IDC Error ellipse: s-maj=67.1km s-min=24.8km az=119.0.
ISC X 15 15 38 51.2–.77 9.3S–.20 159.30E–.08 10 3.8b,3.3s 11 1-88
IDC X 15 15 38 49.9–.80 9.25S 159.29E 0 3.9,3.8 **¶601998352**
ISCJB X 15 15 38 50.3–.64 9.3S–.10 159.15E–.05 10 3.6s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC X 17 14 04 11.9–.51 8.99S–.08 158.52E–.07 29 4.0b,3.3s 36 1-118
IDC X 17 14 04 07.7–.59 8.99S 158.55E 0 4.2,4.1 **¶601847451**
NEIC X 17 14 04 08.9–.28 8.99S 158.59E 10 4.0b,4.1
ISCJB X 17 14 04 10.4–.40 8.94S–.06 158.45E–.06 29 3.9b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 19 04 46 44.8–.90 10.78S–.09 161.1E–.10 10 4.0b,3.4s 17 2-97
ISCJB X 19 04 46 43.4–.70 10.81S–.09 161.0E–.10 10 4.0b,3.4s **¶601867596**
IDC X 19 04 46 43.6–1.0 10.71S 161.02E 0 4.4,4.2b
NEIC X 19 04 46 45.0–7.1 10.84S 161.04E 13–42 4.4b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=12.3km az=21.7.
IDC Error ellipse: s-maj=25.7km s-min=21.2km az=125.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=11.0km az=117.0.
ISC X 19 11 55 52.3–.56 10.38S–.06 161.26E–.06 95–4 4.4b 70 2-148
BJI X 19 11 55 49.0 10.48S 161.88E 112 4.8b,4.8b **¶601839078**
IDC X 19 11 55 51.6–.72 10.40S 161.31E 92–5 4.2,4.0
ISCJB X 19 11 55 53.1–.89 10.34S–.05 161.22E–.06 118–7 4.2b,4.0
NEIC X 19 11 55 54.2–1.1 10.30S 161.25E 115–11 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=10.3km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.8km az=27.2.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.2km az=97.0.
ISC X 19 13 04 02.7–.68 8.5S–.10 159.1E–.10 111 4.0b 20 1-145
ISCJB X 19 13 04 01.6–.60 8.47S–.09 159.00E–.08 111 3.9b **¶601998937**
IDC X 19 13 04 02.4–1.3 8.52S 159.08E 108–14 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=9.4km az=39.2.
IDC Error ellipse: s-maj=21.8km s-min=16.5km az=138.0.
IDC X 20 01 02 24.9–2.1 7.06S 155.83E 0 4.0,3.7
¶601998986
IDC Error ellipse: s-maj=67.2km s-min=28.2km az=121.0.
ISC X 20 02 57 00.7–.80 6.6S–.20 155.0E–.20 56 3.7b,3.5s 13 6-153
IDC X 20 02 56 52.7–.78 6.60S 155.09E 0 4.2,4.0 **¶601998999**
ISCJB X 20 02 56 59.2–.82 6.6S–.10 155.0E–.20 56 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC X 20 04 00 51.5–3.6 11.38S 162.82E 56–27 4.1L,3.9
¶601999005
IDC Error ellipse: s-maj=45.1km s-min=19.3km az=55.0.
ISC X 22 05 03 16.5–.81 10.80S–.10 161.1E–.10 18 3.9b 22 2-90
IDC X 22 05 03 13.3–1.1 10.79S 161.16E 0 4.1,4.0 **¶601999249**
ISCJB X 22 05 03 14.7–.66 10.87S–.07 161.2E–.10 18 3.9b,3.3s
NEIC X 22 05 03 19.3–1.0 10.82S 161.15E 39–9 4.2b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=18.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.2km az=158.2.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.0km az=80.0.
ISC X 22 16 37 22.2–.84 11.19S–.09 162.6E–.10 46 3.4s 22 3-92
ISCJB X 22 16 37 20.5–.68 11.21S–.07 162.5E–.10 46 3.5b,3.4s **¶601846464**
NEIC X 22 16 37 22.4–1.5 11.10S 162.43E 42–14 4.5b,3.4s
IDC X 22 16 37 22.3–3.3 11.06S 162.40E 42–28 4.3L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.7km az=154.9.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.9km az=72.0.
IDC Error ellipse: s-maj=31.6km s-min=20.6km az=77.0.
ISC X 22 18 21 04.2–.64 6.8S–.10 155.4E–.10 50 4.3b,3.2s 41 5-153
IDC X 22 18 20 57.1–.69 6.82S 155.38E 0 4.2,4.1b **¶601868861**
ISCJB X 22 18 21 02.4–.55 6.88S–.08 155.4E–.10 50 4.2b,3.3s
NEIC X 22 18 21 02.7–3.0 6.86S 155.37E 37–27 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=17.6km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=11.2km az=171.8.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=13.1km az=215.0.
ISC X 22 23 09 07.5–1.5 6.4S–.20 154.8E–.30 100 3.4b 20 16-153
IDC X 22 23 08 54.5–1.9 6.18S 154.95E 0 4.1,3.9 **¶601999315**
ISCJB X 22 23 09 05.5–1.6 6.4S–.20 154.8E–.30 100 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC X 25 04 35 08.3–2.3 7.86S 155.05E 0 3.9,3.7
¶601999565
IDC Error ellipse: s-maj=86.1km s-min=27.0km az=123.0.
ISC X 25 05 39 32.7–.33 6.96S–.06 155.48E–.06 100 4.6b 127 4-160
BJI X 25 05 39 30.2 6.76S 155.48E 84 4.9b,4.8s **¶601847461**
ISCJB X 25 05 39 31.3–.22 6.97S–.04 155.45E–.04 100 4.6b,4.8s
IDC X 25 05 39 31.3–2.3 6.89S 155.46E 86–20 4.5,4.3
NEIC X 25 05 39 32.2–.75 6.97S 155.48E 96–6 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=140.9.
IDC Error ellipse: s-maj=14.0km s-min=12.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.8km az=110.0.
ISC X 27 05 52 14.5–.44 10.86S–.06 161.00E–.07 18 4.8b,4.1s 97 2-149
IDC X 27 05 52 09.9–.83 10.87S 161.18E 0 4.5,4.3L **¶601852900**
GCMT X 27 05 52 11.8–.20 11.11S–.02 161.14E–.02 12–0 5.0W,4.3L
ISCJB X 27 05 52 12.2–.32 10.94S–.05 161.01E–.05 18 4.7b,4.2s
BJI X 27 05 52 14.5 11.12S 161.48E 47 5.2b,4.8b
NEIC X 27 05 52 17.8–1.1 10.87S 160.97E 49–9 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=16.8km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c62; s93,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.85±.12 $M_{\theta\theta}$-1.07±.09; $M_{\phi\phi}$-1.78±.10; $M_{r\theta}$2.91±.33; $M_{\theta\phi}$1.12±.07; $M_{\phi r}$-2.06±.30; Best double couple: NP1:ϕ_s130.00000°,δ72.00000°,λ82.00000°. NP2:ϕ_s333.00000°,δ20.00000°,λ112.00000°. Principal axes: T 4.6800,Plg63.0000° ,Azm28.0000°; N -0.4010,Plg7.0000°,Azm132.0000°; P -4.2780,Plg26.0000°,Azm226.0000° $M_0$4.47900×10^{16}
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.5km az=38.4.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=122.0.
ISC X 27 07 34 39.8–.89 10.7S–.10 162.2E–.10 54 3.6b 14 2-88
ISCJB X 27 07 34 37.7–.82 10.81S–.08 162.14E–.10 54 3.6b,3.1s **¶601999813**
IDC X 27 07 34 42.8–2.5 10.58S 161.97E 83–21 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=7.9km az=140.6.
IDC Error ellipse: s-maj=22.5km s-min=17.5km az=74.0.
IDC X 27 20 08 37.6–2.5 10.87S 161.06E 0 4.2s,4.2
¶601999856
IDC Error ellipse: s-maj=54.8km s-min=28.0km az=91.0.
ISC X 27 21 37 09.6–.75 10.93S–.07 161.1E–.10 18 4.1b,3.6s 28 2-94
IDC X 27 21 37 06.7–.92 10.95S 161.13E 0 4.1,4.0 **¶601999864**
ISCJB X 27 21 37 07.6–.62 10.98S–.06 161.1E–.10 18 4.1b,3.7s
NEIC X 27 21 37 12.0–.55 10.93S 161.04E 35 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=17.2km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=9.3km az=1.2.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.1km az=113.0.
ISC X 27 22 23 14.6–.89 6.15S–.06 154.41E–.06 58–8 4.8b,3.6s 130 3-152
ISCJB X 27 22 23 12.5–1.2 6.16S–.04 154.36E–.05 53–10 4.7b,3.5s **¶601860564**
BJI X 27 22 23 12.0 6.05S 154.73E 60 5.1b,4.9s
IDC X 27 22 23 12.2–1.9 6.10S 154.41E 40–16 4.5L,4.4
NEIC X 27 22 23 14.7–.66 6.13S 154.36E 61–6 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.9km az=157.2.
IDC Error ellipse: s-maj=14.9km s-min=10.8km az=85.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=80.0.
IDC X 28 20 38 31.6–2.0 6.79S 154.51E 0 4.5L,4.0
¶602000143
IDC Error ellipse: s-maj=44.3km s-min=33.7km az=15.0.
ISC X 29 21 46 18.4–.79 8.9S–.20 157.30E–.09 22 3.8b,3.2s 10 3-86
IDC X 29 21 46 15.3–.96 8.88S 157.13E 0 4.2L,4.0 **¶602000361**
ISCJB X 29 21 46 16.2–.68 9.0S–.10 157.33E–.07 22 3.7b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC X 31 05 58 13.0–1.1 10.0S–.10 160.5E–.20 37 3.7b,2.9s 11 1-84
ISCJB X 31 05 58 11.3–.99 10.06S–.09 160.6E–.10 37 3.7b,3.0s **¶602000585**
IDC X 31 05 58 12.7–2.4 10.00S 160.48E 40–18 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=9.7km az=148.6.
IDC Error ellipse: s-maj=27.9km s-min=19.9km az=83.0.
ISC X 31 17 25 40.7–.91 6.9S–.10 156.18E–.08 62 3.9b 12 4-85
ISCJB X 31 17 25 39.2–.76 6.9S–.10 156.16E–.06 62 3.9b **¶602000649**
IDC X 31 17 25 43.5–2.4 7.22S 156.12E 94–25 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.9km az=12.5.
IDC Error ellipse: s-maj=26.4km s-min=15.9km az=2.1.
IDC X 31 23 39 33.7–1.9 6.26S 155.07E 0 3.8,3.6
¶602000673
IDC Error ellipse: s-maj=121.2km s-min=27.7km az=133.0.

ISC XI 02 08 24 50.3–.91 6.2S–.10 154.25E–.07 100 3.6b 14 6-152
ISCJB XI 02 08 24 49.1–.91 6.2S–.10 154.21E–.06 100 3.6b ¶602388710
IDC XI 02 08 24 49.5–3.1 6.26S 154.31E 91–27 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=7.9km az=177.4.
IDC Error ellipse: s-maj=33.8km s-min=16.8km az=166.0.
ISC XI 05 09 45 02.6–.92 6.0S–.10 154.8E–.20 350 3.8b 19 14-153
ISCJB XI 05 09 45 01.5–.86 6.00S–.10 154.6E–.20 350 3.8b ¶602388855
IDC XI 05 09 45 04.2–3.3 6.00S 154.64E 362–29 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.4km s-min=12.7km az=7.8.
IDC Error ellipse: s-maj=28.9km s-min=12.2km az=97.0.
IDC XI 05 13 30 41.6–1.9 8.54S 157.40E 0 3.6,3.5
¶602388866
IDC Error ellipse: s-maj=51.9km s-min=32.1km az=178.0.
ISC XI 05 16 54 34.1–1.7 6.2S–.20 154.5E–.30 450 3.1b 10 16-152
IDC XI 05 16 54 34.0–3.5 6.23S 154.38E 445–34 3.6,3.0 ¶602388879
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=20.6km az=112.0.
ISC XI 06 00 07 16.9–.36 9.33S–.06 158.85E–.05 27 4.8b,3.9s 101 1-157
IDC XI 06 00 07 12.6–.49 9.31S 158.89E 0 4.5,4.4L ¶601874875
BJI XI 06 00 07 12.1 9.13S 159.06E 8 5.0b,4.9b
NEIC XI 06 00 07 14.2–1.2 9.28S 158.88E 10–8 4.8b,4.9b
ISCJB XI 06 00 07 15.3–.27 9.31S–.05 158.83E–.04 27 4.7b,3.9s
GCMT XI 06 00 07 17.2–.30 9.31S–.02 158.79E–.02 27–1 5.0W,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c41; s69,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.00±.19 $M_{\theta\theta}$1.95±.16; $M_{\phi\phi}$-2.94±.17; $M_{r\theta}$0.92±.29; $M_{\theta\phi}$2.56±.12; $M_{\phi r}$1.03±.27; Best double couple: NP1:ϕ_s19.00000°,δ77.00000°,λ156.00000°. NP2:ϕ_s114.00000°,δ67.00000°,λ14.00000°. Principal axes: T 3.6450,Plg26.0000° ,Azm335.0000°; N 0.4680,Plg63.0000°,Azm172.0000°; P -4.1050,Plg7.0000°,Azm68.0000° $M_0$3.87500×10^{16}
IDC XI 06 07 02 13.3–11 10.29S 161.77E 38–74 3.9,3.8
¶602388905
IDC Error ellipse: s-maj=85.3km s-min=36.1km az=104.0.
IDC XI 06 23 54 47.6–6.6 10.18S 161.51E 62–46 3.9,3.7
¶602388930
IDC Error ellipse: s-maj=51.2km s-min=39.9km az=85.0.
IDC XI 09 00 10 14.2–5.7 8.67S 156.23E 0 4.0,3.8b
¶602389068
IDC Error ellipse: s-maj=98.7km s-min=75.7km az=4.0.
IDC XI 09 04 22 48.5–1.6 10.04S 160.83E 0 4.1,3.9
¶602389075
IDC Error ellipse: s-maj=30.9km s-min=27.3km az=23.0.
ISC XI 09 16 18 42.5–.35 10.23S–.05 161.10E–.06 67 4.9b 194 1-160
IDC XI 09 16 18 40.4–1.6 10.19S 161.18E 52–13 4.7,4.6 ¶601882847
GCMT XI 09 16 18 40.9–.50 10.19S–.03 160.97E–.03 43–1 4.9W,4.6
ISCJB XI 09 16 18 41.1–.18 10.17S–.04 160.99E–.03 67 4.7b,4.6
NEIC XI 09 16 18 41.9–.96 10.12S 161.13E 64–8 5.0b,4.6
MOS XI 09 16 18 42.2–.93 10.04S 160.99E 76 5.1b,4.6
BJI XI 09 16 18 42.3 9.60S 161.03E 59 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=9.5km az=67.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c53; s48,c62;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.99±.17 $M_{\theta\theta}$0.16±.11; $M_{\phi\phi}$-2.83±.11; $M_{r\theta}$-0.77±.12; $M_{\theta\phi}$0.36±.11; $M_{\phi r}$-0.51±.12; Best double couple: NP1:ϕ_s186.00000°,δ51.00000°,λ108.00000°. NP2:ϕ_s339.00000°,δ43.00000°,λ69.00000°. Principal axes: T 3.2210,Plg76.0000° ,Azm158.0000°; N -0.3120,Plg14.0000°,Azm355.0000°; P -2.9060,Plg4.0000° ,Azm264.0000° $M_0$3.06300×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=139.2.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=83.0.
MOS Error ellipse: s-maj=9.4km s-min=8.8km az=101.5.
ISC XI 09 20 22 47.9–.60 10.23S–.09 161.09E–.10 67 4.3b 34 1-114
ISCJB XI 09 20 22 46.3–.46 10.26S–.06 161.09E–.07 67 4.2b ¶601991623
NEIC XI 09 20 22 46.3–1.1 10.21S 161.12E 52–9 4.4b
IDC XI 09 20 22 47.1–2.3 10.22S 161.18E 61–19 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.8km az=155.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.7km az=113.0.
IDC Error ellipse: s-maj=21.1km s-min=14.4km az=84.0.
ISC XI 10 13 52 52.4–.56 6.7S–.10 155.07E–.09 35 4.4b 42 6-153
ISCJB XI 10 13 52 51.7–.47 6.86S–.10 155.08E–.07 35 4.3b ¶602389155
IDC XI 10 13 52 56.6–3.3 6.94S 155.32E 82–31 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=8.5km az=28.9.
IDC Error ellipse: s-maj=20.2km s-min=16.6km az=130.0.
IDC XI 10 14 09 26.4–2.3 6.91S 155.55E 0 3.6,3.4
¶602389156
IDC Error ellipse: s-maj=77.1km s-min=32.5km az=128.0.
IDC XI 11 11 35 54.9–2.8 9.81S 159.64E 0 3.6,3.4
¶602389218
IDC Error ellipse: s-maj=170.0km s-min=13.0km az=136.0.
ISC XI 11 12 50 28.1–.99 10.9S–.10 160.8E–.20 35 3.7b 10 2-90
IDC XI 11 12 50 23.2–1.4 10.82S 160.75E 0 4.0,3.8 ¶602389220
ISCJB XI 11 12 50 26.1–.89 10.95S–.09 160.8E–.20 33 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 12 19 49 11.0–.44 6.60S–.07 154.91E–.06 56 4.2b,3.5s 68 4-153
ISCJB XI 12 19 49 08.9–.31 6.62S–.05 154.94E–.04 56 4.3b,3.4s ¶601906733
IDC XI 12 19 49 09.3–2.8 6.61S 154.97E 49–25 4.3,4.2
NEIC XI 12 19 49 10.9–.83 6.64S 154.96E 64–7 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=14.9.
IDC Error ellipse: s-maj=21.1km s-min=15.4km az=96.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.4km az=101.0.
IDC XI 13 10 57 22.5–2.4 10.18S 161.15E 104–19 3.6,3.5
¶602389339
IDC Error ellipse: s-maj=31.8km s-min=27.4km az=65.0.
ISC XI 15 15 23 49.1–.48 7.45S–.06 156.33E–.07 45 4.4b,3.2s 66 4-154
ISCJB XI 15 15 23 47.4–.36 7.39S–.05 156.17E–.06 45 4.5b,3.2s ¶602056711
IDC XI 15 15 23 50.5–2.8 7.42S 156.22E 60–25 4.2,4.0
NEIC XI 15 15 23 52.2–.73 7.44S 156.21E 78–7 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.0km az=174.1.
IDC Error ellipse: s-maj=21.6km s-min=17.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=74.0.
ISC XI 16 09 29 22.9–.69 10.20S–.10 160.8E–.10 67 3.9b 18 1-97
IDC XI 16 09 29 14.4–.70 10.21S 161.00E 0 4.2,4.0 ¶602389499
ISCJB XI 16 09 29 22.3–.63 10.17S–.08 160.71E–.09 67 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 16 14 33 18.6–1.6 10.3S–.10 161.2E–.20 100 3.6b 12 1-75
ISCJB XI 16 14 33 19.2–1.6 10.3S–.20 161.0E–.20 100 3.3b ¶602389516
IDC XI 16 14 33 19.4–2.8 10.32S 161.04E 77–20 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.2km s-min=11.6km az=144.2.
IDC Error ellipse: s-maj=41.8km s-min=22.6km az=59.0.
ISC XI 17 03 22 28.5–1.1 10.4S–.10 161.7E–.10 61 3.3b 9 2-84
ISCJB XI 17 03 22 27.8–1.1 10.4S–.10 161.6E–.10 61 3.3b ¶602389540
IDC XI 17 03 22 32.8–2.6 10.30S 161.33E 88–20 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=8.6km az=142.3.
IDC Error ellipse: s-maj=28.8km s-min=21.7km az=74.0.
ISC XI 17 18 43 04.5–.65 8.99S–.10 158.49E–.06 29 4.7b 39 2-84
IDC XI 17 18 43 00.8–1.0 9.06S 158.49E 0 4.3,4.3 ¶602056838
ISCJB XI 17 18 43 02.9–.46 8.98S–.07 158.43E–.05 29 4.6b,4.4s
NEIC XI 17 18 43 03.2–3.8 8.99S 158.50E 18–24 4.8b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=16.8km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=4.2.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.1km az=160.0.
IDC XI 18 09 26 06.7–1.2 5.76S 154.50E 87–8 4.1,3.9
¶602389604
IDC Error ellipse: s-maj=32.7km s-min=18.8km az=146.0.
ISC XI 21 07 06 05.7–.53 5.30S–.05 154.25E–.06 405–5 4.5b 268 2-152
BJI XI 21 07 05 51.1 4.98S 154.37E 255 4.7b,4.5b ¶601993369
MOS XI 21 07 06 04.8–.85 5.22S 154.19E 406 4.6b,4.5b
ISCJB XI 21 07 06 04.9–.61 5.32S–.03 154.19E–.04 411–6 4.5b,4.5b
IDC XI 21 07 06 05.8–.54 5.27S 154.25E 407–5 4.9,4.2
NEIC XI 21 07 06 06.1–.36 5.30S 154.21E 412–4 4.7b,4.2
DJA XI 21 07 06 10.9–1.7 5S–7.0 154E–15 434–11 5.4,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 21 12 40 21.1–.47 8.86S–.07 159.42E–.09 132 4.2b 43 1-158
NEIC XI 21 12 40 08.4–.35 8.62S 159.19E 10 4.3b ¶601993462
ISCJB XI 21 12 40 19.0–.39 8.90S–.06 159.45E–.08 132 4.4b
IDC XI 21 12 40 22.2–.49 8.95S 159.49E 150–6 4.2,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.9km az=176.6.
IDC Error ellipse: s-maj=16.6km s-min=14.2km az=111.0.
ISC XI 22 01 42 47.5–.34 5.88S–.04 154.44E–.04 390–3 4.5b 338 3-159
ISCJB XI 22 01 42 46.9–.49 5.80S–.03 154.39E–.04 394–4 4.5b ¶601993579
IDC XI 22 01 42 47.7–.49 5.83S 154.52E 396–5 4.9,4.3
MOS XI 22 01 42 48.3–.98 5.73S 154.27E 402 4.6b,4.3
NEIC XI 22 01 42 48.0–.13 5.77S 154.42E 394 4.6b,4.3
BJI XI 22 01 42 48.7 5.31S 154.35E 387 4.6b,4.6b
DJA XI 22 01 42 51.7–1.3 6S–6.0 154E–10 418–11 5.5,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 22 05 22 46.8–5.5 6.19S 154.89E 110–47 4.1,3.9
¶602389825
IDC Error ellipse: s-maj=40.9km s-min=30.9km az=33.0.
IDC XI 23 11 30 19.8–2.7 11.02S 162.77E 0 4.1L,3.7
¶602389883
IDC Error ellipse: s-maj=49.6km s-min=37.6km az=94.0.
ISC XI 23 13 19 49.4–.84 10.86S–.10 162.8E–.10 34 3.9b 14 3-121
IDC XI 23 13 19 44.2–1.1 10.80S 162.76E 0 4.1,4.0 ¶602389887
ISCJB XI 23 13 19 47.7–.76 10.96S–.08 162.79E–.09 34 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 23 20 50 48.0–.35 10.82S–.05 162.80E–.05 34 4.9b,4.1s 234 3-145
GCMT XI 23 20 50 45.8–.30 10.74S–.02 162.78E–.02 16–1 4.8W,4.1s ¶601994003
ISCJB XI 23 20 50 46.8–.17 10.84S–.03 162.63E–.03 34 5.0b,4.1s
NEIC XI 23 20 50 46.8–2.0 10.79S 162.74E 25–14 5.0b,4.1s
BJI XI 23 20 50 46.9 10.47S 162.72E 25 5.1b,4.8b
MOS XI 23 20 50 46.7–1.1 10.75S 162.69E 33 5.0b,4.8b
IDC XI 23 20 50 50.8–2.6 10.87S 162.69E 55–22 4.5,4.3
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s72,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.10 $M_{\theta\theta}$0.14±.10; $M_{\phi\phi}$0.28±.09; $M_{r\theta}$-0.17±.29; $M_{\theta\phi}$2.24±.09; $M_{\phi r}$-0.01±.27; Best double couple: NP1:ϕ_s89.00000°,δ89.00000°,λ-5.00000°. NP2:ϕ_s179.00000°,δ85.00000°,λ-179.00000°. Principal axes: T 2.4610,Plg2.0000° ,Azm134.0000°; N -0.4260,Plg85.0000°,Azm254.0000°; P -2.0350,Plg4.0000°,Azm44.0000° $M_0$2.24800×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.4km az=148.8.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=5.0km az=115.0.
MOS Error ellipse: s-maj=10.1km s-min=9.0km az=154.2.
IDC Error ellipse: s-maj=18.7km s-min=10.9km az=78.0.
IDC XI 23 21 30 40.3–2.3 11.03S 162.73E 0 4.3L,4.0
¶602389909
IDC Error ellipse: s-maj=45.6km s-min=36.0km az=105.0.
ISC XI 24 02 50 31.6–.74 10.89S–.10 162.71E–.10 46 4.2b,3.3s 28 3-145
ISCJB XI 24 02 50 29.8–.52 10.98S–.07 162.68E–.07 46 4.2b,3.3s ¶601994055
NEIC XI 24 02 50 30.4–.45 10.88S 162.70E 35 4.2b,3.3s
IDC XI 24 02 50 32.5–3.1 10.94S 162.64E 54–25 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=9.2km az=33.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.1km az=130.0.
IDC Error ellipse: s-maj=23.4km s-min=16.4km az=77.0.
ISC XI 25 05 47 54.9–1.2 10.9S–.20 162.9E–.10 39 3.8b 8 3-92
ISCJB XI 25 05 47 53.5–.96 11.0S–.20 162.8E–.10 39 3.8b,3.4s ¶602389958
IDC XI 25 05 48 01.3–6.0 10.74S 162.61E 89–45 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=12.5km az=20.2.
IDC Error ellipse: s-maj=49.5km s-min=27.2km az=129.0.
ISC XI 25 06 19 12.4–.49 7.28S–.07 155.72E–.08 35 4.3b,3.5s 43 5-154
IDC XI 25 06 19 07.3–.89 7.19S 155.69E 0 4.2,4.0L ¶602210426
ISCJB XI 25 06 19 10.5–.38 7.25S–.05 155.72E–.05 35 4.4b,3.5s
NEIC XI 25 06 19 10.2–.55 7.28S 155.72E 18–3 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=19.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=7.1km az=42.2.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=127.0.
ISC XI 26 05 16 35.9–.48 8.56S–.07 158.91E–.09 150 4.0b 50 1-90
ISCJB XI 26 05 16 34.5–.31 8.54S–.05 158.80E–.06 150 4.1b ¶602213411
NEIC XI 26 05 16 34.8–.85 8.49S 158.84E 136–8 4.1b
IDC XI 26 05 16 34.7–1.0 8.50S 158.82E 135–13 4.3s,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=6.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=126.0.
IDC Error ellipse: s-maj=20.2km s-min=12.9km az=119.0.
ISC XI 26 07 30 13.3–.36 8.70S–.05 159.49E–.07 35 4.7b,3.6s 103 1-147
ISCJB XI 26 07 30 12.1–.22 8.64S–.04 159.35E–.04 35 4.7b,3.6s ¶601994514
IDC XI 26 07 30 14.4–1.3 8.74S 159.48E 48–14 4.7L,4.5
NEIC XI 26 07 30 15.3–.93 8.65S 159.44E 51–9 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=5.5.
IDC Error ellipse: s-maj=16.4km s-min=14.7km az=168.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=146.0.
IDC XI 27 14 13 15.9–6.9 10.72S 163.44E 86–29 4.0,3.8
¶602390064
IDC Error ellipse: s-maj=122.0km s-min=22.3km az=40.0.
ISC XI 27 19 11 11.6–.58 7.44S–.10 158.2E–.10 38 4.0b,3.0s 19 3-156
ISCJB XI 27 19 11 09.7–.52 7.43S–.08 158.13E–.09 38 4.0b,2.9s ¶602390074
IDC XI 27 19 11 14.4–2.3 7.57S 158.26E 70–25 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.9km az=139.9.
IDC Error ellipse: s-maj=19.4km s-min=16.1km az=92.0.
ISC XI 29 22 05 10.5–.80 10.2S–.10 161.4E–.10 85 4.2b 17 2-96
ISCJB XI 29 22 05 08.8–.67 10.21S–.08 161.47E–.09 85 4.0b ¶602056177
IDC XI 29 22 05 09.9–2.7 10.23S 161.44E 78–20 4.1,4.0
NEIC XI 29 22 05 09.9–1.3 10.19S 161.47E 79–11 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=10.6km az=136.9.
IDC Error ellipse: s-maj=24.1km s-min=17.7km az=92.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.3km az=81.0.
ISC XII 01 05 55 51.8–.67 10.26S–.07 161.34E–.10 67 4.3b 47 2-151
ISCJB XII 01 05 55 50.0–.49 10.25S–.06 161.23E–.09 67 4.2b ¶602042806
NEIC XII 01 05 55 54.0–1.3 10.21S 161.21E 89–11 4.3b
IDC XII 01 05 55 53.9–1.1 10.28S 161.11E 88–8 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=7.0km az=158.3.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.9km az=78.0.
IDC Error ellipse: s-maj=20.9km s-min=9.7km az=63.0.

IDC	**XII**	**02 07 45 43.3–1.3**	**8.51S**	**158.93E**	**0**	**3.6,3.4**				**¶602390338**
IDC	Error ellipse: s-maj=35.1km s-min=24.7km az=37.0.									
IDC	**XII**	**03 14 40 33.2–2.1**	**5.99S**	**155.33E**	**0**	**3.9,3.7**				**¶602390396**
IDC	Error ellipse: s-maj=64.6km s-min=26.1km az=120.0.									
IDC	**XII**	**04 22 58 47.8–2.5**	**9.41S**	**156.24E**	**0**	**4.0,3.8b**				**¶602390472**
IDC	Error ellipse: s-maj=85.0km s-min=29.1km az=126.0.									
ISC	**XII**	**07 14 17 15.2–1.9**	**5.6S–.30**	**154.9E–.30**	**118**	**3.5b**	**8**	**9-86**		
ISCJB	XII	07 14 17 13.3–1.4	5.7S–.20	154.9E–.20	118	3.5b				**¶602390685**
IDC	XII	07 14 17 22.8–5.8	5.58S	154.44E	179–47	3.8,3.4				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=45.0km s-min=12.2km az=138.8.									
IDC	Error ellipse: s-maj=54.1km s-min=25.6km az=110.0.									
ISC	**XII**	**10 09 12 23.8–1.1**	**11.2S–.10**	**162.3E–.20**	**100**	**3.2b**	**10**	**3-85**		
ISCJB	XII	10 09 12 22.9–1.1	11.1S–.10	162.3E–.10	100	3.3b				**¶602390974**
IDC	XII	10 09 12 22.1–2.6	11.09S	162.43E	79–21	3.8,3.6				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=24.5km s-min=10.5km az=138.4.									
IDC	Error ellipse: s-maj=31.2km s-min=15.9km az=58.0.									
ISC	**XII**	**11 05 22 49.4–.97**	**6.9S–.20**	**155.7E–.10**	**100**	**3.5b**	**11**	**5-154**		
ISCJB	XII	11 05 22 47.9–.82	7.0S–.10	155.73E–.08	100	3.5b				**¶602391071**
IDC	XII	11 05 22 50.9–4.7	7.03S	155.70E	114–41	3.9,3.7				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=18.1km s-min=11.2km az=163.5.									
IDC	Error ellipse: s-maj=27.9km s-min=26.8km az=25.0.									
ISC	**XII**	**11 19 33 34.1–1.6**	**9.9S–.30**	**161.2E–.20**	**67**	**3.7b**	**9**	**1-90**		
IDC	XII	11 19 33 33.5–5.7	9.89S	161.23E	64–36	3.8,3.7				**¶602391116**
ISC	Event type ke.									
IDC	Error ellipse: s-maj=48.6km s-min=35.0km az=106.0.									
ISC	**XII**	**12 22 43 54.1–.98**	**10.7S–.10**	**161.4E–.20**	**35**	**3.9b**	**9**	**2-90**		
ISCJB	XII	12 22 43 50.6–.87	10.81S–.10	161.5E–.10	35	4.0s,3.8b				**¶602391213**
IDC	XII	12 22 43 57.6–2.6	10.68S	161.24E	75–20	4.0,3.8				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=22.4km s-min=8.1km az=147.2.									
IDC	Error ellipse: s-maj=29.0km s-min=18.2km az=74.0.									
IDC	**XII**	**14 11 46 29.0–3.1**	**8.97S**	**156.14E**	**0**	**3.7,3.6**				**¶602391320**
IDC	Error ellipse: s-maj=86.7km s-min=30.6km az=107.0.									
ISC	**XII**	**16 15 33 11.5–1.2**	**10.3S–.10**	**160.9E–.20**	**35**	**3.9b**	**16**	**1-90**		
IDC	XII	16 15 33 06.2–1.5	10.36S	160.83E	0	4.0,3.8				**¶602216197**
ISCJB	XII	16 15 33 09.9–.95	10.43S–.07	160.8E–.10	35	3.8b,3.3s				
NEIC	XII	16 15 33 12.0–.99	10.32S	160.75E	35	4.0b,3.3s				
ISC	Event type se.									
IDC	Error ellipse: s-maj=32.8km s-min=21.4km az=91.0.									
ISCJB	Event type se. Error ellipse: s-maj=17.8km s-min=10.2km az=169.4.									
NEIC	Event type se. Error ellipse: s-maj=22.9km s-min=11.8km az=107.0.									
ISC	**XII**	**16 16 10 06.4–.40**	**6.44S–.07**	**154.87E–.06**	**56**	**4.3b**	**66**	**4-153**		
ISCJB	XII	16 16 10 04.5–.33	6.51S–.05	154.91E–.05	56	4.6s,4.3b				**¶602043817**
IDC	XII	16 16 10 08.9–2.1	6.51S	154.87E	82–20	4.1,4.0				
BJI	XII	16 16 10 08.3	6.47S	154.71E	77	4.9b,4.8s				
NEIC	XII	16 16 10 09.2–.76	6.60S	154.89E	88–7	4.6b,4.8s				
ISC	Event type se.									
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=6.6km az=44.4.									
IDC	Error ellipse: s-maj=15.4km s-min=11.8km az=15.0.									
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=6.2km az=76.0.									
ISC	**XII**	**17 16 53 21.6–1.2**	**10.5S–.20**	**161.6E–.10**	**61**	**3.7b**	**10**	**2-90**		
ISCJB	XII	17 16 53 19.6–1.0	10.6S–.10	161.6E–.10	61	3.6b				**¶602391554**
IDC	XII	17 16 53 24.2–4.8	10.44S	161.44E	82–36	3.7,3.7				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=22.4km s-min=13.5km az=34.9.									
IDC	Error ellipse: s-maj=41.5km s-min=25.3km az=127.0.									
ISC	**XII**	**18 18 54 24.3–1.1**	**10.4S–.10**	**162.4E–.10**	**39**	**3.9b**	**10**	**3-91**		
IDC	XII	18 18 54 27.1–3.2	10.52S	162.18E	67–23	3.9,3.7				**¶602391623**
ISC	Event type ke.									
IDC	Error ellipse: s-maj=29.0km s-min=18.8km az=66.0.									
ISC	**XII**	**20 00 46 55.7–.88**	**9.5S–.20**	**159.15E–.07**	**27**	**3.9b**	**13**	**1-131**		
IDC	XII	20 00 46 51.6–.79	9.41S	159.14E	0	4.0,3.9				**¶602391700**
ISCJB	XII	20 00 46 53.9–.72	9.5S–.20	159.08E–.05	27	3.9b,3.9				
ISC	Event type ke.									
ISCJB	Event type ke.									
ISC	**XII**	**20 21 31 33.4–1.0**	**10.7S–.10**	**162.0E–.10**	**54**	**3.3b**	**11**	**2-91**		
ISCJB	XII	20 21 31 32.7–.97	10.7S–.10	162.0E–.10	54	3.4b				**¶602391755**
IDC	XII	20 21 31 39.0–2.8	10.66S	161.64E	96–21	3.7,3.5				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=22.4km s-min=8.2km az=141.4.									
IDC	Error ellipse: s-maj=32.2km s-min=22.0km az=69.0.									
ISC	**XII**	**22 02 00 59.5–1.8**	**10.2S–.20**	**161.2E–.20**	**100**	**3.4b**	**11**	**1-75**		
ISCJB	XII	22 02 00 58.5–1.5	10.2S–.20	161.2E–.20	100	3.2b				**¶602391843**
IDC	XII	22 02 00 59.3–2.8	10.16S	161.23E	97–17	3.7,3.5				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=33.5km s-min=11.4km az=140.3.									
IDC	Error ellipse: s-maj=35.5km s-min=24.2km az=64.0.									
ISC	**XII**	**22 06 16 13.3–.90**	**6.1S–.20**	**154.7E–.20**	**61**	**3.7b**	**11**	**8-152**		
ISCJB	XII	22 06 16 12.0–.84	6.1S–.20	154.6E–.10	61	3.7b				**¶602391853**
IDC	XII	22 06 16 14.5–5.4	6.12S	154.57E	72–46	4.0,3.9				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=29.7km s-min=10.5km az=145.8.									
IDC	Error ellipse: s-maj=51.7km s-min=26.8km az=127.0.									
ISC	**XII**	**26 07 30 04.5–1.8**	**5.4S–.30**	**154.4E–.30**	**118**	**3.1b**	**8**	**8-152**		
ISCJB	XII	26 07 30 03.3–1.5	5.4S–.30	154.4E–.20	118	3.1b				**¶602380629**
IDC	XII	26 07 30 06.3–6.8	5.40S	154.30E	132–52	3.6,3.3				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=48.5km s-min=12.2km az=136.7.									
IDC	Error ellipse: s-maj=68.8km s-min=29.6km az=112.0.									
ISC	**XII**	**26 16 50 49.7–.45**	**6.05S–.06**	**155.16E–.06**	**150**	**4.4b**	**63**	**4-153**		
ISCJB	XII	26 16 50 48.0–.32	6.08S–.05	155.06E–.06	150	4.3b				**¶602058920**
IDC	XII	26 16 50 50.8–.80	6.09S	155.05E	160–7	4.3,4.0				
NEIC	XII	26 16 50 50.2–.31	6.07S	155.04E	159	4.4b,4.0				
ISC	Event type se.									
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=6.9km az=171.5.									
IDC	Error ellipse: s-maj=13.5km s-min=10.5km az=91.0.									
NEIC	Event type se. Error ellipse: s-maj=7.9km s-min=7.1km az=89.0.									
ISC	**XII**	**27 09 12 04.2–.83**	**10.6S–.10**	**161.9E–.10**	**54**		**17**	**2-115**		
ISCJB	XII	27 09 12 02.4–.85	10.6S–.10	161.84E–.10	54					**¶602380703**
IDC	XII	27 09 12 10.2–2.4	10.47S	161.44E	96–17	4.0,3.8				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=16.9km s-min=13.3km az=23.4.									
IDC	Error ellipse: s-maj=25.0km s-min=18.1km az=85.0.									
IDC	**XII**	**27 11 42 10.5–2.2**	**6.46S**	**156.03E**	**0**	**3.7,3.5**				**¶602380714**
IDC	Error ellipse: s-maj=95.2km s-min=28.1km az=127.0.									
ISC	**XII**	**27 16 19 19.8–1.0**	**10.1S–.10**	**161.7E–.10**	**35**	**3.5b**	**12**	**2-90**		
ISCJB	XII	27 16 19 17.3–1.0	10.21S–.09	161.8E–.10	35	3.5b				**¶602380721**
IDC	XII	27 16 19 24.3–2.4	10.30S	161.47E	85–18	3.7,3.5				
ISC	Event type ke.									
ISCJB	Event type ke. Error ellipse: s-maj=18.1km s-min=8.9km az=139.1.									
IDC	Error ellipse: s-maj=27.4km s-min=16.9km az=66.0.									
IDC	**XII**	**29 20 40 14.0–2.7**	**11.01S**	**162.77E**	**0**	**3.9L,3.8**				**¶602380853**
IDC	Error ellipse: s-maj=49.8km s-min=39.0km az=94.0.									
IDC	**XII**	**30 09 45 53.4–1.6**	**7.04S**	**154.94E**	**0**	**3.8,3.6**				**¶602380885**
IDC	Error ellipse: s-maj=70.7km s-min=25.6km az=127.0.									
IDC	**XII**	**30 19 25 02.8–1.9**	**7.06S**	**154.98E**	**0**	**3.7,3.6**				**¶602380906**
IDC	Error ellipse: s-maj=92.5km s-min=26.0km az=131.0.									
IDC	**XII**	**31 20 31 36.3–6.3**	**6.42S**	**156.11E**	**0**	**3.8,3.7**				**¶602380512**
IDC	Error ellipse: s-maj=198.3km s-min=34.0km az=112.0.									
ISC	**XII**	**31 21 37 34.0–.49**	**6.89S–.06**	**154.77E–.08**	**39**	**4.5b,3.7s**	**83**	**4-153**		
IDC	XII	31 21 37 27.1–.65	6.80S	154.86E	0	4.5,4.3				**¶602070595**
ISCJB	XII	31 21 37 33.0–.42	6.95S–.05	154.68E–.07	39	4.5b,3.8s				
BJI	XII	31 21 37 33.6	7.11S	154.75E	53	5.1b,4.8b				
NEIC	XII	31 21 37 37.3–1.1	6.89S	154.59E	68–10	4.6b,4.8b				
ISC	Event type se.									
IDC	Error ellipse: s-maj=25.9km s-min=16.7km az=126.0.									
ISCJB	Event type se. Error ellipse: s-maj=9.5km s-min=6.8km az=9.1.									
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=8.2km az=82.0.									

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ISC	**VII**	**13 16 19 52.7–.91**	**9.5S–.20**	**156.0E–.20**	**35**	**4.0b,3.4s**	**12**	**4-100**		
IDC	VII	13 16 19 47.2–.90	9.52S	156.03E	0	4.2,4.0b				**¶601664536**
ISCJB	VII	13 16 19 51.0–.81	9.5S–.10	155.9E–.20	33	3.9b,3.3s				
ISC	Event type ke.									
ISCJB	Event type ke.									
ISC	**VII**	**17 17 42 26.4–.51**	**9.98S–.06**	**151.95E–.07**	**35**	**4.3b,3.3s**	**48**	**5-151**		
IDC	VII	17 17 42 22.1–.83	9.96S	151.93E	0	4.2,4.1				**¶601664733**
ISCJB	VII	17 17 42 25.4–.44	9.95S–.05	151.80E–.07	33	4.5b,3.4s				
NEIC	VII	17 17 42 26.5–.43	9.94S	151.98E	35	4.7b,3.4s				
ISC	Event type se.									
IDC	Error ellipse: s-maj=22.6km s-min=16.0km az=125.0.									
ISCJB	Event type se. Error ellipse: s-maj=10.3km s-min=5.8km az=19.8.									
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=7.3km az=118.0.									
IDC	**VIII**	**10 01 55 51.7–10**	**10.28S**	**152.67E**	**0**	**3.7,3.6**				**¶601765721**
IDC	Error ellipse: s-maj=294.1km s-min=34.5km az=116.0.									
ISC	**VIII**	**26 02 21 52.1–1.1**	**9.6S–.10**	**151.3E–.10**	**24**	**3.9b,3.4s**	**13**	**4-150**		
IDC	VIII	26 02 21 48.2–1.1	9.64S	151.42E	0	4.0,3.9				**¶601766472**
ISCJB	VIII	26 02 21 50.5–1.1	9.6S–.10	151.3E–.20	24	3.9b,3.4s				
ISC	Event type ke.									
ISCJB	Event type ke.									
IDC	**IX**	**15 19 34 07.5–1.7**	**9.87S**	**154.38E**	**0**	**3.9,3.7**				**¶601863600**
IDC	Error ellipse: s-maj=52.8km s-min=23.3km az=115.0.									
IDC	**X**	**09 21 39 42.0–4.9**	**9.80S**	**154.24E**	**0**	**3.8,3.5**				**¶601997695**
IDC	Error ellipse: s-maj=121.9km s-min=32.6km az=112.0.									
IDC	**X**	**13 16 13 17.4–4.8**	**9.90S**	**154.23E**	**0**	**3.7,3.5**				**¶601998138**
IDC	Error ellipse: s-maj=99.3km s-min=42.1km az=90.0.									
IDC	**XI**	**01 13 18 16.2–8.2**	**8.16S**	**154.56E**	**0**	**3.8,3.5**				**¶602388679**
IDC	Error ellipse: s-maj=175.2km s-min=47.0km az=100.0.									
IDC	**XI**	**05 03 09 15.0–4.1**	**10.17S**	**154.50E**	**0**	**3.4,3.2**				**¶602388837**
IDC	Error ellipse: s-maj=276.2km s-min=49.5km az=138.0.									
ISC	**XII**	**13 00 57 28.0–.60**	**9.9S–.10**	**155.00E–.09**	**35**	**4.3b**	**35**	**5-154**		
IDC	XII	13 00 57 22.5–.84	9.87S	155.00E	0	4.4,4.3				**¶602037370**
NEIC	XII	13 00 57 24.6–.35	9.74S	154.95E	10	4.3b,4.3				
ISCJB	XII	13 00 57 27.1–.46	9.76S–.09	154.81E–.08	33	4.2b,4.3				
ISC	Event type se.									
NEIC	Event type se.									
ISCJB	Event type se.									
ISC	**XII**	**13 00 58 14.4–.40**	**9.89S–.07**	**154.85E–.07**	**35**	**4.7b**	**97**	**5-154**		
IDC	XII	13 00 58 08.4–.52	9.87S	154.78E	0	4.7,4.6				**¶602070474**
NEIC	XII	13 00 58 10.5–.21	9.84S	154.74E	10	4.8b,4.6				
ISCJB	XII	13 00 58 12.2–.27	9.86S–.04	154.81E–.05	33	4.7b,4.3s				
GCMT	XII	13 00 58 16.5–.20	9.88S–.01	154.84E–.02	12	5.1W,4.3s				
ISC	Event type se.									
NEIC	Event type se.									
ISCJB	Event type se.									

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c45; s79,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.17 $M_{\theta\theta}$5.08±.15; $M_{\phi\phi}$-3.34±.17; $M_{r\theta}$-0.14±.44; $M_{\theta\phi}$-3.53±.15; $M_{\phi r}$-1.39±.47; Best double couple: NP1:ϕ_s333.00000°,δ77.00000°,λ-17.00000°. NP2:ϕ_s67.00000°,δ73.00000°,λ-166.00000°. Principal axes: T 6.3790,Plg2.0000° ,Azm20.0000°; N -1.2180,Plg68.0000°,Azm117.0000°; P -5.1610,Plg22.0000° ,Azm289.0000° M_o5.77000×10^{16}

ISC	**XII**	**13 18 15 56.1–.40**	**9.86S–.07**	**154.81E–.06**	**35**	**4.6b,3.9s**	**91**	**5-153**		
BJI	XII	13 18 15 50.0	9.80S	154.80E	10	5.0b,4.8s				**¶602043415**
NEIC	XII	13 18 15 51.8–2.8	9.80S	154.80E	7–18	4.8b,4.8s				
IDC	XII	13 18 15 51.2–.70	9.85S	154.71E	0	4.5,4.4				
GCMT	XII	13 18 15 52.8–.20	9.83S–.01	154.87E–.01	14–1	5.0W,4.4				
ISCJB	XII	13 18 15 54.8–.32	9.80S–.04	154.74E–.05	33	4.6b,3.9s				
DJA	XII	13 18 15 56.8–2.3	10S–8.0	155E–14	39–15	5.0b,4.9				
ISC	Event type se.									
NEIC	Event type se.									

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s90,c132;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.23±.14 $M_{\theta\theta}$2.51±.12; $M_{\phi\phi}$-1.28±.09; $M_{r\theta}$0.93±.27; $M_{\theta\phi}$-2.67±.10; $M_{\phi r}$-0.66±.23; Best double couple: NP1:ϕ_s162.00000°,δ87.00000°,λ13.00000°. NP2:ϕ_s71.00000°,δ77.00000°,λ177.00000°. Principal axes: T 4.1250,Plg12.0000° ,Azm28.0000°; N -1.4460,Plg76.0000°,Azm176.0000°; P -2.6790,Plg7.0000°,Azm296.0000° M_o3.40200×10^{16}

ISCJB Event type se.

(195) South of Solomon Islands.

IDC	**VIII**	**17 23 27 15.0–2.4**	**10.54S**	**156.35E**	**0**	**3.9,3.7**				**¶601766021**
IDC	Error ellipse: s-maj=88.8km s-min=27.6km az=132.0.									

SEISMIC REGION 16.
New Guinea.

(196) Irian Jaya region.

ISC	**VII**	**02 01 05 33.0–1.5**	**4.2S–.10**	**134.5E–.30**	**23**	**4.0b**	**8**	**16-78**		
IDC	VII	02 01 05 28.7–3.0	3.96S	135.02E	0	4.3L,4.2				**¶601663385**
ISCJB	VII	02 01 05 30.2–1.2	4.25S–.09	134.6E–.20	23	3.8b,3.6s				
ISC	Event type ke.									
ISCJB	Event type ke.									
ISC	**VII**	**02 04 17 04.3–.83**	**3.86S–.06**	**135.28E–.06**	**20**	**4.0b**	**17**	**2-73**		
ISCJB	VII	02 04 17 03.3–.91	3.81S–.07	135.24E–.07	20	3.8b				**¶601663389**
IDC	VII	02 04 17 03.1–3.1	3.53S	135.22E	0	4.1,4.0				
DJA	VII	02 04 17 07.2–1.0	4S–6.0	135E–5.0	10	4.1,4.1				
ISC	Event type ke.									
ISCJB	Event type ke.									
IDC	**VII**	**04 17 30 30.7–2.8**	**3.25S**	**135.73E**	**0**	**3.6,3.4**				**¶601663483**
IDC	Error ellipse: s-maj=96.4km s-min=28.6km az=85.0.									
IDC	**VII**	**05 02 42 01.1–2.2**	**2.72S**	**132.88E**	**0**	**4.0,3.7**				**¶601663500**
IDC	Error ellipse: s-maj=93.2km s-min=32.6km az=101.0.									
DJA	**VII**	**09 01 21 00.8–.50**	**4S–5.0**	**133E–3.0**	**53–10**	**3.6,3.6**				**¶602027543**
DJA	**VII**	**10 10 20 03.5–.60**	**2S–5.0**	**134E–5.0**	**11–5**	**4.1,4.1**				**¶602027557**
ISC	**VII**	**10 10 26 58.2–.24**	**1.68S–.03**	**134.28E–.03**	**21–1**	**5.1b,4.4s**	**490**	**0-152**		
BJI	VII	10 10 26 52.8	2.16S	134.69E	32	5.1b,5.1b				**¶601261437**
IDC	VII	10 10 26 54.8–.40	1.65S	134.26E	0	4.9,4.9				
ISCJB	VII	10 10 26 56.5–.49	1.68S–.02	134.32E–.02	22–3	5.1b,4.4s				
DJA	VII	10 10 26 57.9–.20	2S–3.0	134E–2.0	10	5.8,5.7b				
MOS	VII	10 10 26 57.9–1.1	1.68S	134.26E	33	5.2b,4.4s				
GCMT	VII	10 10 26 59.6–.10	1.55S	134.30E	20–1	5.2W,4.4s				
NEIC	VII	10 10 26 59.6–1.3	1.69S	134.25E	30–9	5.2b,4.4s				
ISC	Event type fe.									
IDC	Error ellipse: s-maj=14.2km s-min=10.0km az=76.0.									
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=157.5.									
MOS	Error ellipse: s-maj=9.6km s-min=5.4km az=106.3.									

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s72,c116; s113,c183; Duration: 1h0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.18 $M_{\theta\theta}$-2.09±.14; $M_{\phi\phi}$0.70±.17;

$M_{r\theta}$0.18±.28; $M_{\theta\theta}$7.75±.14; $M_{\theta r}$4.49±.40; Best double couple: NP1:ϕ_s353.00000°,δ83.00000°,λ150.00000°. NP2:ϕ_s87.00000°,δ60.00000°,λ8.00000°. Principal axes: T 8.9600,Plg26.0000°,Azm305.0000°; N 0.3590,Plg59.0000°,Azm160.0000°; P -9.3210,Plg15.0000°,Azm43.0000° $M_0$9.14000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.8km az=57.0. Felt [III] at Bintuni and Manokwari.

ISC	**VII**	**13 04 42 11.0–.60**	**0.19S–.06**	**130.66E–.04**	**10**	**4.4b**	**46**	**1-95**	
ISCJB	VII	13 04 42 08.7–.33	0.12S–.04	130.69E–.03	10	4.4b,3.1s			¶601271931
IDC	VII	13 04 42 08.6–.68	0.11S	130.62E	0	4.4,4.3			
NEIC	VII	13 04 42 10.0–.41	0.10S	130.78E	10	4.3b,4.3			
DJA	VII	13 04 42 14.1–.90	0S–5.0	131E–3.0	37–24	4.4,4.3			

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

DJA	**VII**	**13 15 17 04.2–.60**	**2S–6.0**	**135E–2.0**	**14–7**	**3.0,3.0**			
									¶602027647
IDC	**VII**	**14 18 59 26.9–1.6**	**0.65S**	**133.44E**	**0**	**3.9,3.7**			
									¶601664579

IDC Error ellipse: s-maj=44.6km s-min=21.5km az=77.0.

IDC	**VII**	**15 12 04 50.4–3.0**	**4.16S**	**133.29E**	**0**	**3.6,3.4**			
									¶601664622

IDC Error ellipse: s-maj=132.1km s-min=28.3km az=80.0.

ISC	**VII**	**16 17 59 16.6–.68**	**4.57S–.06**	**136.80E–.07**	**35**	**3.9b**	**26**	**3-88**	
IDC	VII	16 17 59 11.8–.96	4.34S	136.99E	0	4.1,4.0L			¶601625071
ISCJB	VII	16 17 59 14.9–.46	4.55S–.04	136.79E–.05	33	3.8b,4.0L			
DJA	VII	16 17 59 15.8–1.1	4S–4.0	137E–2.0	10–8	4.5b,4.3			
NEIC	VII	16 17 59 17.3–.60	4.40S	136.83E	35	4.1b,4.3			

ISC Event type se.

IDC Error ellipse: s-maj=47.4km s-min=18.5km az=73.0.

ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.7km az=166.1.

NEIC Event type se. Error ellipse: s-maj=26.4km s-min=9.6km az=72.0.

ISC	**VII**	**17 08 26 15.2–1.3**	**2.8S–.10**	**134.95E–.08**	**10**		**6**	**1-68**	
ISCJB	VII	17 08 26 14.3–.89	2.90S–.09	135.0E–.10	10	3.5b			¶601664713
IDC	VII	17 08 26 14.1–2.9	2.98S	136.80E	0	3.6,3.4			
DJA	VII	17 08 26 17.1–.90	3S–12	135E–6.0	10	3.3,3.3			

ISC Event type ke.
ISCJB Event type ke.

IDC	**VII**	**17 19 56 26.5–3.0**	**3.05S**	**135.90E**	**0**	**3.6,3.5**			
									¶601664742

IDC Error ellipse: s-maj=125.8km s-min=29.5km az=80.0.

IDC	**VII**	**18 07 44 31.6–2.8**	**0.09S**	**132.97E**	**0**	**3.8,3.8L**			
									¶601664778

IDC Error ellipse: s-maj=150.6km s-min=26.0km az=74.0.

ISC	**VII**	**19 23 26 19.0–.42**	**2.50S–.04**	**136.65E–.04**	**10**	**4.4b,3.9s**	**67**	**1-149**	
ISCJB	VII	19 23 26 17.0–.28	2.49S–.03	136.64E–.03	10	4.3b,3.8s			¶601453274
IDC	VII	19 23 26 17.4–.70	2.35S	136.62E	0	4.4,4.3			
BJI	VII	19 23 26 17.5	2.40S	136.70E	10	4.8b,4.6b			
NEIC	VII	19 23 26 18.8–.33	2.43S	136.66E	10	4.7b,4.6b			
DJA	VII	19 23 26 20.2–.50	2S–4.0	137E–2.0	21–4	5.1,5.0			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Serui and Waren.

ISC	**VII**	**21 04 54 46.8–1.1**	**3.91S–.09**	**135.04E–.09**	**23**		**10**	**1-69**	
IDC	VII	21 04 54 43.7–6.7	3.70S	135.58E	0	3.9L,3.8			¶601664905
ISCJB	VII	21 04 54 45.9–.00	3.92S–.09	135.12E–.08	23	3.6b,3.8			
DJA	VII	21 04 54 51.9–1.1	4S–7.0	135E–5.0	75–17	4.0,4.0			

ISC Event type ke.
ISCJB Event type ke.

ISC	**VII**	**22 15 49 20.8–.75**	**0.61S–.10**	**134.30E–.08**	**35**	**4.2b**	**20**	**1-152**	
IDC	VII	22 15 49 15.2–.77	0.53S	134.40E	0	4.3,4.2			¶601494606
ISCJB	VII	22 15 49 18.5–.58	0.57S–.07	134.34E–.09	33	4.3b,2.7s			
DJA	VII	22 15 49 19.7–1.5	1S–12	134E–6.0	19–8	4.6,4.6			
NEIC	VII	22 15 49 20.9–.57	0.63S	134.15E	35	4.1b,4.6			

ISC Event type fe.

IDC Error ellipse: s-maj=44.2km s-min=15.4km az=71.0.

ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=9.2km az=159.4.

NEIC Event type fe. Error ellipse: s-maj=30.5km s-min=10.2km az=69.0. Felt [II] at Manokwari.

ISC	**VII**	**23 00 22 08.5–.28**	**2.55S–.04**	**135.53E–.04**	**35**	**5.2b,4.4s**	**299**	**1-155**	
IDC	VII	23 00 22 02.6–.41	2.47S	135.48E	0	4.6,4.6b			¶601643195
BJI	VII	23 00 22 04.6	2.21S	135.33E	6	5.2b,5.0b			
NEIC	VII	23 00 22 04.7–.19	2.54S	135.41E	10	5.2b,5.0b			
GCMT	VII	23 00 22 04.7–.20	2.41S	135.37E	15	5.2W,5.0b			
MOS	VII	23 00 22 05.7–1.1	2.47S	135.45E	31	5.3b,5.0b			
DJA	VII	23 00 22 06.0–.20	2S–3.0	136E–2.0	10	5.7,5.6b			
ISCJB	VII	23 00 22 06.2–.18	2.52S–.02	135.48E–.03	33	5.0b,4.4s			

ISC Event type fe.
NEIC Event type fe. Felt [III] at Nabire and Serui.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s58,c77; s109,c180;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.14 $M_{\theta\theta}$-4.73±.12; $M_{\phi\phi}$4.38±.14; $M_{r\theta}$0.81±.40; $M_{\theta\phi}$5.39±.11; $M_{\phi r}$3.59±.41; Best double couple: NP1:ϕ_s338.00000°,δ78.00000°,λ158.00000°. NP2:ϕ_s73.00000°,δ68.00000°,λ13.00000°. Principal axes: T 8.4790,Plg24.0000°,Azm294.0000°; N -1.1580,Plg65.0000°,Azm131.0000°; P -7.3220,Plg7.0000°,Azm27.0000° $M_0$7.90100×10^{16}

ISCJB Event type fe.

ISC	**VII**	**23 07 12 57.3–1.0**	**0.23S–.09**	**132.58E–.06**	**35**	**4.1b**	**16**	**1-79**	
IDC	VII	23 07 12 52.2–1.2	0.29S	132.78E	0	4.2,4.2L			¶601666298
ISCJB	VII	23 07 12 55.6–.78	0.23S–.07	132.61E–.06	33	4.0b,4.2L			
DJA	VII	23 07 12 56.5–2.2	0S–12	133E–4.0	35–45	5.5b,4.9			

ISC Event type ke.
ISCJB Event type ke.

ISC	**VII**	**27 15 52 52.7–1.0**	**3.23S–.08**	**135.69E–.06**	**35**		**13**	**1-68**	
IDC	VII	27 15 52 46.0–2.9	3.12S	136.61E	0	4.0,3.8			¶601666527
ISCJB	VII	27 15 52 50.6–.66	3.28S–.06	135.69E–.05	35	3.6b,3.8			
DJA	VII	27 15 52 51.6–1.2	3S–4.0	136E–2.0	28–11	4.5b,4.2			

ISC Event type ke.
ISCJB Event type ke.

ISC	**VIII**	**07 17 40 59.5–.37**	**4.40S–.04**	**135.32E–.03**	**20**	**4.7b**	**123**	**2-111**	
IDC	VIII	07 17 40 55.9–.83	4.40S	135.32E	0	4.8L,4.6			¶601529238
ISCJB	VIII	07 17 40 57.6–.22	4.43S–.03	135.29E–.02	20	4.8b,3.9s			
NEIC	VIII	07 17 41 00.5–2.1	4.36S	135.31E	28–15	4.8b,3.9s			
BJI	VIII	07 17 41 01.3	4.61S	135.16E	46	5.1b,4.8s			
DJA	VIII	07 17 41 02.5–.20	4S–3.0	135E–2.0	62–10	5.5b,5.1b			

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

ISC	**VIII**	**07 22 48 06.1–1.8**	**0.69S–.04**	**133.81E–.04**	**28–12**	**4.5b,3.7s**	**83**	**1-153**	
IDC	VIII	07 22 48 02.6–.62	0.60S	133.85E	0	4.3,4.2			¶601533473
ISCJB	VIII	07 22 48 04.9–.28	0.66S–.03	133.87E–.04	33	4.5b,3.6s			
NEIC	VIII	07 22 48 04.3–4.2	0.62S	133.80E	15–26	4.6b,3.6s			
BJI	VIII	07 22 48 05.5	0.35S	133.93E	32	4.9b,4.8b			
DJA	VIII	07 22 48 05.2–1.1	1S–5.0	134E–4.0	19–13	4.7,4.7			

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

IDC	**VIII**	**08 00 18 57.5–3.1**	**3.76S**	**133.70E**	**0**	**3.8,3.6**			
									¶601765632

IDC Error ellipse: s-maj=130.7km s-min=29.4km az=81.0.

ISC	**VIII**	**11 03 33 29.8–.71**	**3.47S–.06**	**131.28E–.06**	**30**	**3.9b**	**21**	**1-129**	
IDC	VIII	11 03 33 25.5–1.2	3.53S	131.07E	0	4.0,3.9			¶601565563
ISCJB	VIII	11 03 33 28.1–.55	3.48S–.04	131.14E–.07	30	3.8b,2.5s			
DJA	VIII	11 03 33 30.2–1.4	3S–6.0	131E–3.0	13–14	4.1,4.1			
NEIC	VIII	11 03 33 31.7–.59	3.82S	130.30E	35	4.0b,4.1			

ISC Event type se.

IDC Error ellipse: s-maj=88.5km s-min=19.7km az=78.0.

ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=7.4.

NEIC Event type se. Error ellipse: s-maj=27.6km s-min=8.0km az=82.0.

ISC	**VIII**	**14 12 25 51.5–.81**	**3.85S–.08**	**135.53E–.07**	**22**	**3.6b**	**11**	**5-88**	
ISCJB	VIII	14 12 25 50.0–.67	3.75S–.06	135.55E–.05	22	3.5b			¶601765834
IDC	VIII	14 12 25 49.6–1.3	3.54S	135.68E	0	4.1,3.9			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.7km az=6.5.

IDC Error ellipse: s-maj=31.6km s-min=27.2km az=81.0.

ISC	**VIII**	**19 22 28 41.6–1.1**	**0.6S–.10**	**135.0E–.10**	**34**	**3.8b**	**8**	**4-85**	
IDC	VIII	19 22 28 36.5–1.3	0.50S	135.11E	0	4.0,3.9L			¶601766168
ISCJB	VIII	19 22 28 40.0–.93	0.6S–.10	134.95E–.08	34	3.7b,3.9L			

ISC Event type ke.
ISCJB Event type ke.

IDC	**VIII**	**20 11 19 31.7–4.9**	**0.43S**	**130.52E**	**0**	**3.4,3.3b**			
									¶601766190

IDC Error ellipse: s-maj=338.5km s-min=34.0km az=92.0.

ISC	**VIII**	**20 12 45 15.9–.93**	**3.72S–.07**	**135.56E–.06**	**22**		**16**	**3-69**	
ISCJB	VIII	20 12 45 14.2–.58	3.73S–.04	135.57E–.04	22	3.3b			¶601766192
DJA	VIII	20 12 45 14.0–1.3	4S–12	136E–8.0	14–17	5.4b,4.8			
IDC	VIII	20 12 45 15.5–1.5	3.77S	135.47E	0	4.0,3.9			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=163.1.

IDC Error ellipse: s-maj=33.9km s-min=25.7km az=77.0.

ISC	**VIII**	**23 04 02 17.1–.52**	**4.64S–.05**	**136.77E–.04**	**35**	**4.5b,3.6s**	**59**	**2-148**	
ISCJB	VIII	23 04 02 14.6–.30	4.57S–.03	136.81E–.03	33	4.4b,3.6s			¶601614674
DJA	VIII	23 04 02 16.9–2.2	4S–4.0	137E–3.0	27–22	5.1b,4.6b			
NEIC	VIII	23 04 02 17.4–.30	4.49S	136.80E	35	4.5b,4.6b			
IDC	VIII	23 04 02 17.1–4.5	4.44S	136.78E	33–35	4.2,4.1			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=14.8.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.9km az=90.0. Felt [II] at Timika.
IDC Error ellipse: s-maj=23.2km s-min=16.9km az=71.0.

IDC	**VIII**	**24 04 54 43.7–1.8**	**0.03N**	**130.20E**	**0**	**3.9,3.7**			
									¶601766383

IDC Error ellipse: s-maj=52.6km s-min=22.3km az=54.0.

ISC	**VIII**	**30 06 56 43.3–.60**	**3.44S–.03**	**131.08E–.04**	**28–3**	**5.2b,4.5s**	**523**	**1-168**	
IDC	VIII	30 06 56 38.8–.34	3.40S	131.01E	0	5.0,5.0b			¶601645637
ISCJB	VIII	30 06 56 39.9–.70	3.41S–.02	131.07E–.02	16–5	5.1b,4.4s			
BJI	VIII	30 06 56 41.7	3.20S	131.33E	28	5.1b,5.1b			
MOS	VIII	30 06 56 42.6–1.1	3.34S	131.10E	33	5.4b,5.1b			
GCMT	VIII	30 06 56 43.3–.20	3.31S–.02	131.23E–.02	18–0	5.1W,5.1b			
DJA	VIII	30 06 56 44.3–.40	3S–2.0	131E–2.0	32–4	5.8b,5.4			
NEIC	VIII	30 06 56 44.3–.15	3.43S	131.00E	35	5.2b,5.4			

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.3km az=40.6.
MOS Error ellipse: s-maj=9.9km s-min=5.6km az=115.8.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c74; s101,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.21±.16 $M_{\theta\theta}$-2.02±.11; $M_{\phi\phi}$-2.19±.12; $M_{r\theta}$-1.45±.23; $M_{\theta\phi}$1.98±.07; $M_{\phi r}$2.78±.27; Best double couple: NP1:ϕ_s326.00000°,δ64.00000°,λ98.00000°. NP2:ϕ_s128.00000°,δ28.00000°,λ74.00000°. Principal axes: T 5.3150,Plg70.0000°,Azm253.0000°; N -0.2360,Plg7.0000°,Azm142.0000°; P -5.0790,Plg18.0000°,Azm50.0000° $M_0$5.19700×10^{16}

NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=61.0.

ISC	**VIII**	**30 07 13 28.5–.39**	**3.61S–.04**	**131.00E–.06**	**30**	**4.6b**	**97**	**1-153**	
IDC	VIII	30 07 13 24.1–.56	3.32S	131.07E	0	4.4,4.3			¶601645638
ISCJB	VIII	30 07 13 26.7–.25	3.50S–.03	131.04E–.04	30	4.6b,4.3			
DJA	VIII	30 07 13 28.6–.30	3S–4.0	131E–3.0	10	5.6b,5.1			
NEIC	VIII	30 07 13 29.1–.30	3.46S	130.98E	35	4.4b,5.1			

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=12.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.1km az=152.9.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=60.0.

IDC	**VIII**	**30 12 52 08.7–4.4**	**1.41S**	**130.97E**	**0**	**3.3,3.1**			
									¶601755617

IDC Error ellipse: s-maj=313.1km s-min=26.1km az=72.0.

IDC	**VIII**	**30 16 15 18.7–1.7**	**3.33S**	**131.24E**	**0**	**3.4,3.3b**			
									¶601755629

IDC Error ellipse: s-maj=96.9km s-min=21.2km az=83.0.

DJA	**VIII**	**30 16 31 45.3–.80**	**2S–4.0**	**133E–3.0**	**15–8**	**3.6b,3.5**			
									¶602028825
IDC	**IX**	**04 18 28 16.4–3.0**	**4.69S**	**133.46E**	**0**	**3.7,3.5**			
									¶601862944

IDC Error ellipse: s-maj=123.5km s-min=24.9km az=79.0.

ISC	**IX**	**05 00 05 36.4–1.5**	**4.62S–.08**	**133.2E–.20**	**35**		**9**	**4-68**	
IDC	IX	05 00 05 33.4–1.7	4.42S	133.43E	0	4.1,3.9			¶601862958
ISCJB	IX	05 00 05 35.9–.99	4.65S–.06	133.2E–.10	35	3.5b,3.9			

ISC Event type ke.
ISCJB Event type ke.

DJA	**IX**	**06 13 24 46.7–1.8**	**2S–12**	**136E–27**	**33–79**	**4.0,4.0**			
									¶602029299

ISC	**IX**	**08 10 51 45.6–.41**	**3.22S–.02**	**135.10E–.03**	**32–2**	**6.0b,5.9s**	**1948**	**2-172**	
BJI	IX	08 10 51 39.7	3.18S	135.19E	8	5.9b,5.8s			¶601833355
IDC	IX	08 10 51 41.1–.28	3.16S	135.09E	0	5.7,5.7s			
ISCJB	IX	08 10 51 42.9–.62	3.19S–.02	135.11E–.01	24–4	5.9b,5.9s			
MOS	IX	08 10 51 42.3–.84	3.17S	135.12E	20	6.0b,5.8s			
DJA	IX	08 10 51 44.5–.60	3S–2.0	135E–1.0	20–4	6.7,6.6b			
NEIC	IX	08 10 51 44.0–.00	3.18S	135.41E	23	6.7,6.6b			
NEIC	IX	08 10 51 44.2–.07	3.18S	135.11E	21	6.4,6.2b			
GCMT	IX	08 10 51 47.2–.10	3.22S	134.99E	25–0	6.1W,6.2b			
NEIC	IX	08 10 51 57.7–.00	3.23S	135.04E	28	6.1W,6.2b			

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=23.4.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=114.2.

NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.13 $M_{\theta\phi}$-0.25 $M_{\phi r}$-0.98 Best double couple: NP1:ϕ_s227.00000°,δ63.00000°,λ52.00000°. NP2:ϕ_s107.00000°,δ45.00000°,λ141.00000°. Principal axes: T 1.6200,Plg54.0000°,Azm88.0000°; N -0.3700,Plg33.0000°,Azm246.0000°; P -1.2500,Plg10.0000°,Azm343.0000° $M_0$1.50000×10^{18}

NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=2.4km az=63.0. Felt [IV] at Nabire, [III] at Kaimana and Wasior and [II] at Mulia and Timika. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ71.00000°,λ46.00000°. NP2:ϕ_s111.00000°,δ47.00000°,λ153.00000°. Principal axes: T 1.1000,Plg46.0000°,Azm86.0000°; N 0.0400,Plg41.0000°,Azm237.0000°; P -1.1500,Plg15.0000°,Azm340.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s111.00000°,δ48.00000°,λ153.00000°. NP2:ϕ_s220.00000°,δ70.00000°,λ45.00000°. Principal axes: T Plg45.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg13.0000°,Azm341.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c335; s134,c450; Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$-1.33±.01; $M_{\phi\phi}$0.60±.01; $M_{r\theta}$-0.50±.02; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-1.66±.03; Best double couple: NP1:ϕ_s217.00000°,δ78.00000°,λ57.00000°. NP2:ϕ_s110.00000°,δ35.00000°,λ159.00000°. Principal axes: T 2.3290,Plg46.0000°,Azm93.0000°; N -0.5490,Plg32.0000°,Azm224.0000°; P -1.7830,Plg26.0000°,Azm332.0000° $M_0$2.05600×10^{18}

NEIC Event type se. Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.69 $M_{\theta\phi}$-0.31 $M_{\phi r}$-0.94 Best double couple: NP1:ϕ_s229.00000°,δ72.00000°,λ59.00000°. NP2:ϕ_s111.00000°,δ35.00000°,λ147.00000°. Principal axes: T 1.6500,Plg53.0000°,Azm102.0000°; N 0.0100,Plg29.0000°,Azm240.0000°; P -1.6600,Plg21.0000°,Azm342.0000° $M_0$1.60000×10^{18}

IDC	**IX**	**08 12 40 41.8–1.5**	**3.04S**	**135.17E**	**0**	**4.0,4.0s**			
									¶601863167

IDC Error ellipse: s-maj=37.5km s-min=26.8km az=55.0.

ISC	**IX**	**08 16 31 23.1–.37**	**3.45S–.05**	**135.49E–.04**	**22**	**4.6b**	**119**	**2-155**	
IDC	IX	08 16 31 19.8–.47	3.34S	135.41E	0	4.7L,4.5			¶601696502
ISCJB	IX	08 16 31 21.4–.25	3.40S–.03	135.49E–.02	22	4.5s,4.4b			
BJI	IX	08 16 31 23.3	3.40S	135.50E	41	5.0b,4.9s			
NEIC	IX	08 16 31 25.0–.66	3.38S	135.47E	39–6	4.7b,4.9s			
DJA	IX	08 16 31 26.2–.20	3S–2.0	135E–1.0	61–8	5.5b,5.0			

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

ISC	**IX**	**09 16 49 17.8–.33**	**3.25S–.04**	**135.09E–.04**	**28**	**4.7b,3.8s**	**160**	**2-150**	
ISCJB	IX	09 16 49 16.6–.20	3.19S–.03	135.07E–.02	28	4.6b,3.7s			¶601696974
MOS	IX	09 16 49 18.2–.72	3.14S	135.10E	41	4.8b,3.7s			
IDC	IX	09 16 49 18.1–3.9	3.09S	135.09E	23–25	4.6L,4.5			

BJI IX 09 16 49 19.3 3.41S 134.75E 53 4.9b,4.6b
DJA IX 09 16 49 20.4–.20 3S–3.0 135E–2.0 77–9 5.3,5.2b
NEIC IX 09 16 49 20.4–.51 3.13S 135.06E 44–5 4.7b,5.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=36.1.
MOS Error ellipse: s-maj=11.4km s-min=6.7km az=126.6.
IDC Error ellipse: s-maj=20.5km s-min=12.4km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.4km az=205.0. Felt [III] at Nabire.
IDC IX 11 01 24 11.7–3.4 2.93S 135.88E 0 3.9,3.7
¶601863325
IDC Error ellipse: s-maj=149.4km s-min=29.2km az=80.0.
ISC IX 13 15 21 32.5–1.1 0.61S–.09 132.69E–.06 33 13 1-65
IDC IX 13 15 21 27.6–1.6 0.61S 132.79E 0 3.6,3.4 **¶601863466**
DJA IX 13 15 21 31.9–.50 1S–5.0 133E–2.0 10 3.5,3.5
ISCJB IX 13 15 21 32.3–1.0 0.44S–.08 132.62E–.06 33 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC IX 14 19 56 39.1–1.8 1.77S 133.86E 0 3.5,3.4
¶601863548
IDC Error ellipse: s-maj=34.9km s-min=18.0km az=45.0.
IDC IX 17 18 26 56.7–2.0 3.35S 131.57E 0 3.5b,3.4
¶601863720
IDC Error ellipse: s-maj=132.0km s-min=21.5km az=80.0.
IDC IX 20 18 23 14.7–2.3 2.51S 134.70E 0 3.8,3.6
¶601863904
IDC Error ellipse: s-maj=64.7km s-min=24.4km az=75.0.
ISC IX 21 10 51 01.8–.72 3.91S–.06 134.74E–.07 21 4.2b,3.7s 32 1-75
IDC IX 21 10 50 59.5–1.1 3.75S 134.69E 0 4.3,4.2 **¶601735814**
ISCJB IX 21 10 51 00.2–.43 3.80S–.05 134.75E–.06 21 4.1b,3.6s
NEIC IX 21 10 51 01.5–3.9 3.74S 134.73E 13–26 4.0b,3.6s
DJA IX 21 10 51 03.2–1.0 4S–10 135E–5.0 97–22 4.9b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 29 09 01 34.6–.58 4.60S–.05 133.76E–.05 21 50 2-90
ISCJB IX 29 09 01 33.1–.38 4.53S–.03 133.78E–.04 21 **¶601775468**
IDC IX 29 09 01 33.7–1.6 4.46S 133.64E 0 4.5,4.3
NEIC IX 29 09 01 34.3–.55 4.46S 133.74E 10 4.5b,4.3
DJA IX 29 09 01 34.6–.20 4S–3.0 134E–2.0 10 5.1b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA IX 29 17 30 41.8–1.2 1S–6.0 133E–8.0 18–19 3.6,3.6
¶602031336
IDC X 07 08 59 27.1–1.9 1.96S 134.19E 0 3.4,3.3
¶601997351
IDC Error ellipse: s-maj=39.5km s-min=18.7km az=42.0.
ISC X 07 11 08 53.8–.58 3.38S–.05 135.16E–.04 25 4.5b 44 2-88
IDC X 07 11 08 50.8–1.1 3.12S 135.08E 0 4.2,4.2 **¶601833153**
ISCJB X 07 11 08 52.5–.33 3.29S–.03 135.16E–.03 25 4.3b,3.8s
DJA X 07 11 08 52.8–.60 3S–4.0 135E–5.0 10 5.1b,4.6b
NEIC X 07 11 08 55.8–.34 3.20S 135.13E 35 4.2b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=21.5km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.7km az=136.3.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.3km az=112.0.
ISC X 07 11 20 12.7–.59 3.51S–.06 131.27E–.06 30 3.8b 26 1-149
IDC X 07 11 20 08.3–.70 3.42S 131.31E 0 4.1,4.1L **¶601997365**
ISCJB X 07 11 20 11.4–.47 3.49S–.04 131.25E–.06 30 3.7b,4.1L
DJA X 07 11 20 13.1–.30 3S–3.0 131E–2.0 10 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
DJA X 10 11 35 02.0–.60 0S–6.0 133E–2.0 10 3.8b,3.8
¶601997748
ISC X 11 01 07 54.2–.41 4.86S–.05 134.11E–.06 21 4.5b,3.6s 79 3-150
IDC X 11 01 07 50.4–.61 4.68S 134.36E 0 4.5,4.4 **¶601825974**
ISCJB X 11 01 07 51.5–.28 4.99S–.03 134.12E–.04 21 4.4b,3.7s
NEIC X 11 01 07 52.3–.31 4.86S 134.18E 10 4.5b,3.7s
BJI X 11 01 07 55.1 4.06S 134.13E 8 4.9b,4.7b
DJA X 11 01 07 55.9–.60 5S–9.0 134E–4.0 10 5.7b,5.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 11 06 47 32.4–2.2 2.20S 134.34E 0 3.8,3.6
¶601997851
IDC Error ellipse: s-maj=67.6km s-min=23.8km az=68.0.
ISC X 12 00 31 31.4–.33 4.89S–.02 134.08E–.03 35–1 6.6s,6.3b 2124 1-173
IDC X 12 00 31 26.3–.27 4.81S 134.10E 0 6.5s,6.5 **¶601828936**
ISCJB X 12 00 31 27.1–.53 4.87S–.02 134.07E–.02 16–3 6.5s,6.2b
NEIC X 12 00 31 28.3–.10 4.89S 134.03E 13 6.8,6.6W
BJI X 12 00 31 28.3 4.89S 134.07E 27 6.6s,6.5b
MOS X 12 00 31 29.5–.94 4.84S 134.06E 33 6.5b,6.4s
DJA X 12 00 31 30.8–.10 5S–1.0 134E–1.0 23 7.1,7.0b
NEIC X 12 00 31 30.0–.00 4.74S 133.98E 15 7.1,7.0b
GCMT X 12 00 31 33.3–.00 4.84S 133.97E 20–0 6.6W,7.0b
NEIC X 12 00 31 45.0–.00 5.02S 133.98E 10 6.6W,7.0b
ISC Event type fe.
IDC Error ellipse: s-maj=11.0km s-min=8.0km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=44.1.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=45.0. Felt [IV] on Pulau Ambon and [III] at Nabire, Timika and Wamena. Also felt at Tual. Felt [II] at Darwin, Australia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 1.36 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.28 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$6.13 $M_{r\theta}$-1.09 $M_{\theta\phi}$1.26 $M_{\phi r}$1.45 Best double couple: NP1:ϕ_s26.00000° ,δ41.00000°,λ-66.00000°. NP2:ϕ_s175.00000°,δ53.00000°,λ-109.00000°. Principal axes: T 6.4900,Plg6.0000°,Azm279.0000°; N -0.7100,Plg15.0000°,Azm187.0000° ; P -5.7800,Plg73.0000°,Azm30.0000° $M_0$6.20000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s163.00000°,δ66.00000°,λ-141.00000°. NP2: ϕ_s55.00000°,δ55.00000°,λ-30.00000°. Principal axes: T Plg7.0000°,Azm287.0000° ; N Plg0.0000°,Azm0.0000°; P Plg44.0000°,Azm23.0000°
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=111.1.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ61.00000° ,λ-77.00000°. NP2:ϕ_s174.00000°,δ32.00000°,λ-111.00000°. Principal axes: T 0.9600,Plg14.0000°,Azm99.0000°; N 0.0800,Plg10.0000°,Azm192.0000° ; P -1.0400,Plg71.0000°,Azm317.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c389; s144,c681; Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.77±.00 $M_{\theta\theta}$-0.07±.00; $M_{\phi\phi}$0.84±.00; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$0.17±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s177.00000°,δ57.00000° ,λ-106.00000°. NP2:ϕ_s25.00000°,δ36.00000°,λ-67.00000°. Principal axes: T 0.9360,Plg11.0000°,Azm278.0000°; N -0.0600,Plg13.0000°,Azm186.0000° ; P -0.8760,Plg73.0000°,Azm46.0000° $M_0$0.90600×10^{19}
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{18}Nm; M_{rr}-7.03 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$7.79 $M_{r\theta}$1.70 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.50 Best double couple: NP1:ϕ_s207.00000° ,δ43.00000°,λ-66.00000°. NP2:ϕ_s355.00000°,δ52.00000°,λ-111.00000°. Principal axes: T 8.2100,Plg4.0000°,Azm100.0000°; N -0.5100,Plg16.0000°,Azm9.0000° ; P -7.7000,Plg73.0000°,Azm205.0000° $M_0$8.00000×10^{18}
ISC X 12 01 29 18.4–.34 4.96S–.04 133.90E–.05 28 4.7b 161 1-152
BJI X 12 01 29 12.9 4.94S 134.05E 5 5.6b,5.4s **¶601828937**
NEIC X 12 01 29 15.7–.24 4.94S 133.92E 10 4.7b,5.4s
IDC X 12 01 29 15.0–.51 4.79S 133.77E 0 4.7,4.7
ISCJB X 12 01 29 16.4–.23 4.98S–.03 133.98E–.03 28 4.6b,4.7
DJA X 12 01 29 17.4–.20 5S–2.0 134E–2.0 10 5.8b,5.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 12 01 34 51.9–.32 4.78S–.04 133.85E–.05 28 4.5b 184 1-158
BJI X 12 01 34 43.2 5.29S 134.22E 10 5.6b,5.4s **¶601828938**
IDC X 12 01 34 48.1–.52 4.85S 133.73E 0 5.2L,4.8
NEIC X 12 01 34 49.4–.21 4.87S 133.82E 10 4.6b,4.8
ISCJB X 12 01 34 50.1–.20 4.89S–.02 133.84E–.03 28 4.6b,4.8
DJA X 12 01 34 52.7–.30 5S–2.0 134E–2.0 43–4 6.0b,5.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 12 02 54 21.0–3.2 4.92S 133.81E 0 3.7b,3.6
¶601997953
IDC Error ellipse: s-maj=120.1km s-min=26.1km az=79.0.
IDC X 12 02 56 10.2–3.2 4.97S 133.74E 0 3.8,3.8b
¶601997954
IDC Error ellipse: s-maj=132.3km s-min=30.6km az=82.0.
IDC X 12 07 27 55.5–3.1 4.97S 133.70E 0 3.6,3.4
¶601997973
IDC Error ellipse: s-maj=128.9km s-min=29.1km az=82.0.
IDC X 12 08 08 15.9–4.5 4.90S 133.25E 41–34 4.0,3.9
¶601997979
IDC Error ellipse: s-maj=106.4km s-min=17.0km az=76.0.
IDC X 12 16 28 43.4–3.0 5.00S 133.86E 0 3.7,3.5
¶601998021
IDC Error ellipse: s-maj=116.9km s-min=25.4km az=79.0.
IDC X 14 00 13 09.8–3.1 4.88S 133.07E 0 3.4,3.4b
¶601998163
IDC Error ellipse: s-maj=138.7km s-min=29.0km az=81.0.
DJA X 14 05 12 19.5–.40 1S–5.0 133E–2.0 10 3.6,3.6
¶601998183
DJA X 15 11 13 31.2–1.8 0S–15 131E–13 73–13 3.6,3.6
¶601998318
DJA X 15 14 00 26.0–1.2 5S–10 134E–8.0 93–38 4.0b,3.8
¶601998342
IDC X 17 07 41 02.2–3.1 4.97S 133.88E 0 4.1,4.1b
¶601998633
IDC Error ellipse: s-maj=129.0km s-min=28.9km az=82.0.
IDC X 17 07 45 54.8–3.2 4.87S 133.85E 0 3.7b,3.7
¶601998634
IDC Error ellipse: s-maj=131.7km s-min=30.9km az=82.0.
ISC X 19 16 27 54.5–.43 4.91S–.04 134.02E–.06 28 4.3b,3.6s 82 1-150
IDC X 19 16 27 50.9–.60 4.86S 134.01E 0 4.5L,4.4 **¶601839088**
ISCJB X 19 16 27 52.7–.29 4.93S–.03 134.05E–.04 28 4.3b,3.6s
NEIC X 19 16 27 55.5–.32 4.93S 134.03E 35 4.3b,3.6s
DJA X 19 16 27 55.6–1.1 5S–2.0 134E–2.0 25–11 5.4b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 25 13 13 29.4–.65 3.78S–.06 134.90E–.04 23 3.8b 32 1-88
IDC X 25 13 13 26.8–.99 3.77S 134.87E 0 4.1,4.1L **¶601999612**
ISCJB X 25 13 13 28.3–.45 3.83S–.05 134.77E–.04 23 3.8b,4.1L
DJA X 25 13 13 32.1–.30 4S–2.0 135E–2.0 52–15 5.5b,5.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 25 20 10 25.6–.70 0.43N–.06 130.43E–.06 35 3.7b 37 2-72
IDC X 25 20 10 21.1–.77 0.49N 130.28E 0 3.8,3.7 **¶601999645**
ISCJB X 25 20 10 23.9–.44 0.51N–.04 130.43E–.04 33 3.7b,2.9s
DJA X 25 20 10 26.5–.90 0N–4.0 130E–3.0 36–19 5.3b,4.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 26 06 28 46.0–.29 0.34S–.04 132.89E–.05 32 4.8b,3.7s 228 2-162
IDC X 26 06 28 41.2–.46 0.37S 132.86E 0 4.9L,4.6 **¶601848685**
BJI X 26 06 28 42.0 0.84S 133.23E 44 5.1b,4.8b
DJA X 26 06 28 43.8–.80 0S–3.0 133E–2.0 17–5 5.3b,5.2
ISCJB X 26 06 28 44.2–.19 0.35S–.02 132.93E–.03 32 4.6b,3.8s
MOS X 26 06 28 45.9–1.0 0.36S 132.82E 47 4.9b,3.8s
NEIC X 26 06 28 47.8–.75 0.40S 132.88E 47–7 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.3km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=176.0.
MOS Error ellipse: s-maj=11.3km s-min=7.0km az=110.5.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=62.0.
ISC X 26 06 52 41.9–3.1 0.0S–.30 133.01E–.08 35 9 2-33
IDC X 26 06 52 37.7–8.7 0.07S 133.06E 0 3.9,3.8b **¶601999715**
DJA X 26 06 52 39.9–1.5 0S–17 133E–3.0 10 3.9,3.9
ISC Event type ke.
DJA X 27 23 57 37.0–.40 3S–5.0 131E–4.0 10 3.9,3.9
¶601999871
ISC X 29 19 49 06.9–.71 0.50S–.04 132.81E–.04 34–2 4.9b,4.3s 300 2-155
IDC X 29 19 49 01.9–.40 0.39S 132.83E 0 4.9L,4.7 **¶601859233**
MOS X 29 19 49 05.7–1.1 0.41S 132.82E 38 5.0b,4.3s
BJI X 29 19 49 05.2 0.50S 132.70E 29 5.1b,4.7b
ISCJB X 29 19 49 05.4–.57 0.42S–.03 132.88E–.03 36–5 4.8b,4.3s
GCMT X 29 19 49 05.4–.20 0.27S–.01 132.87E–.02 17–0 5.2W,4.3s
DJA X 29 19 49 06.1–1.0 0S–4.0 133E–2.0 13–8 5.4b,5.3
NEIC X 29 19 49 07.5–.77 0.46S 132.79E 39–7 5.1b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=10.0km az=88.0.
MOS Error ellipse: s-maj=9.1km s-min=5.9km az=111.1.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=138.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c109; s103,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.00±.16 $M_{\theta\theta}$-3.79±.10; $M_{\phi\phi}$-1.20±.11; $M_{r\theta}$-4.39±.29; $M_{\theta\phi}$1.81±.07; $M_{\phi r}$3.17±.32; Best double couple: NP1:ϕ_s303.00000°,δ69.00000°,λ94.00000°. NP2:ϕ_s112.00000°,δ21.00000°,λ79.00000°. Principal axes: T 7.4420,Plg66.0000° ,Azm221.0000°; N -0.3250,Plg4.0000°,Azm122.0000°; P -7.1070,Plg24.0000°,Azm30.0000° $M_0$7.27400×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=64.0.
ISC X 29 20 00 15.8–2.3 0.1S–.20 132.96E–.08 35 9 2-33
IDC X 29 20 00 12.3–5.8 0.25S 133.00E 0 3.9,3.8b **¶602000349**
DJA X 29 20 00 16.6–2.4 0S–11 133E–5.0 23–43 3.9b,3.8
ISC Event type ke.
ISC XI 01 01 09 02.1–1.9 0.6S–.20 132.80E–.07 32 10 2-32
DJA XI 01 01 08 55.6–2.1 0S–17 133E–5.0 139–20 4.1,4.1 **¶602388649**
IDC XI 01 01 08 55.7–7.1 0.40S 132.83E 0 3.8,3.8b
ISCJB XI 01 01 09 00.9–1.6 0.6S–.10 132.78E–.10 32 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 03 14 41 24.1–.44 4.98S–.04 132.66E–.04 35 4.3b 82 2-151
ISCJB XI 03 14 41 22.0–.28 5.05S–.03 132.70E–.03 33 4.2b,4.0s **¶601869853**
BJI XI 03 14 41 23.6 4.80S 132.99E 49 5.0b,4.8b
NEIC XI 03 14 41 24.2–.51 5.07S 132.66E 35 4.3b,4.8b
IDC XI 03 14 41 25.2–.68 5.01S 132.55E 42–5 4.8L,4.2
DJA XI 03 14 41 25.6–.20 5S–2.0 133E–1.0 46–8 5.4b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 04 12 08 23.0–.94 4.45S–.05 134.16E–.09 21 3.9b 23 1-71
ISCJB XI 04 12 08 22.3–.67 4.50S–.05 134.10E–.07 21 3.7b,2.9s **¶602388803**
IDC XI 04 12 08 22.1–1.5 4.47S 133.98E 0 4.1,3.9
DJA XI 04 12 08 23.9–.80 4S–5.0 134E–8.0 10 4.9b,4.9b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 05 11 04 29.1–4.5 4.79S 133.25E 0 3.9b,3.5
¶602388860
IDC Error ellipse: s-maj=333.2km s-min=33.2km az=79.0.
ISC XI 05 18 10 06.3–.87 4.39S–.06 133.91E–.08 21 15 1-68
ISCJB XI 05 18 10 04.6–.69 4.42S–.05 133.95E–.08 21 3.4b **¶602388880**
IDC XI 05 18 10 04.1–2.6 4.40S 133.94E 0 3.7,3.6b
DJA XI 05 18 10 05.4–.60 4S–3.0 134E–4.0 11–4 4.6b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 05 19 45 11.2–1.6 4.60S–.08 133.8E–.20 21 10 4-68
IDC XI 05 19 45 09.3–2.4 4.58S 133.85E 0 3.8,3.6 **¶602388883**
ISCJB XI 05 19 45 10.2–1.3 4.61S–.07 133.7E–.20 21 3.5b,2.9s
ISC Event type ke.

ISCJB Event type ke.
IDC XI 05 21 18 11.3–2.4 4.57S 133.97E 0 3.6,3.6b
¶602388886

IDC Error ellipse: s-maj=95.6km s-min=24.4km az=79.0.
IDC XI 05 21 37 01.7–3.0 4.37S 133.90E 0 3.8,3.7
¶602388887

IDC Error ellipse: s-maj=111.6km s-min=25.1km az=78.0.
DJA XI 09 16 42 01.1–1.0 5S–5.0 134E–8.0 10 4.5b,4.4b
¶606792940

ISC XI 10 13 43 34.9–.31 4.92S–.04 133.94E–.04 28 4.8b,4.2s 208 1-152
BJI XI 10 13 43 29.4 5.06S 134.19E 17 5.2b,4.9b **¶601883736**
IDC XI 10 13 43 31.5–.44 4.75S 133.94E 0 4.7,4.7L
NEIC XI 10 13 43 31.6–.20 4.96S 134.02E 10 4.9b,4.7L
ISCJB XI 10 13 43 32.5–.20 4.99S–.03 134.06E–.03 28 4.7b,4.2s
GCMT XI 10 13 43 33.6–.30 4.63S–.03 133.90E–.02 18–1 5.0W,4.2s
MOS XI 10 13 43 34.3–1.1 4.80S 133.96E 33 5.1b,4.2s
DJA XI 10 13 43 35.2–.70 5S–2.0 134E–2.0 22–7 5.2b,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s62,c78;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.46±.21 $M_{\theta\theta}$-0.38±.12; $M_{\phi\phi}$2.84±.14; $M_{r\theta}$1.87±.49; $M_{\theta\phi}$0.59±.08; $M_{\theta r}$0.58±.27; Best double couple: NP1:ϕ_s218.00000°,δ61.00000°,λ-58.00000°. NP2:ϕ_s345.00000°,δ42.00000°,λ-134.00000°. Principal axes: T 3.1150,Plg11.0000° ,Azm285.0000°; N 0.4490,Plg28.0000°,Azm21.0000°; P -3.5680,Plg60.0000°,Azm176.0000° $M_0$3.34100×10^{16}
IDC XI 14 02 47 56.4–3.2 4.91S 133.67E 0 4.0,3.8
¶602389365

IDC Error ellipse: s-maj=129.8km s-min=30.1km az=82.0.
IDC XI 14 07 13 27.3–5.2 4.89S 134.10E 0 4.2b,4.0
¶602389379

IDC Error ellipse: s-maj=250.8km s-min=27.5km az=75.0.
IDC XI 14 22 08 36.0–5.5 4.14S 133.15E 0 3.5b,3.4
¶602389411

IDC Error ellipse: s-maj=337.3km s-min=30.3km az=76.0.
IDC XI 16 10 56 29.8–3.1 4.89S 133.52E 0 3.7b,3.4
¶602389504

IDC Error ellipse: s-maj=131.6km s-min=29.4km az=82.0.
ISC XI 17 06 00 02.5–.68 4.15S–.06 133.74E–.08 10 4.0b 19 0-89
IDC XI 17 06 00 02.7–1.0 4.17S 133.39E 0 4.3,4.1 **¶602389554**
DJA XI 17 06 00 03.8–.70 4S–5.0 134E–7.0 10 5.0b,5.0b
ISC Event type ke.
ISC XI 17 12 22 12.8–.38 5.00S–.04 133.95E–.05 28 4.5b,3.3s 101 1-150
IDC XI 17 12 22 10.0–.63 4.87S 133.84E 0 4.4,4.4b **¶601909910**
BJI XI 17 12 22 09.0 4.94S 134.18E 17 5.1b,4.8b
ISCJB XI 17 12 22 11.2–.25 5.00S–.03 133.97E–.04 28 4.5b,3.6s
NEIC XI 17 12 22 11.5–2.6 4.93S 133.92E 14–17 4.5b,3.6s
DJA XI 17 12 22 15.2–.50 5S–3.0 134E–4.0 90–16 4.9b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 17 14 51 58.7–1.4 1.2S–.10 133.6E–.10 29 8 2-65
IDC XI 17 14 51 53.7–1.6 0.88S 133.63E 0 3.9,3.8 **¶602389570**
ISCJB XI 17 14 51 58.7–1.6 1.2S–.10 133.56E–.10 29 3.7b,3.8
ISC Event type ke.
ISCJB Event type se.
ISC XI 18 18 54 08.9–.47 2.15S–.05 135.09E–.04 35 4.2b,3.5s 67 1-151
IDC XI 18 18 54 04.9–.59 2.09S 135.08E 0 4.3,4.2 **¶601909962**
ISCJB XI 18 18 54 07.4–.28 2.12S–.04 135.11E–.02 33 4.1b,3.5s
DJA XI 18 18 54 07.3–1.1 2S–4.0 135E–2.0 22–11 5.2b,5.0
NEIC XI 18 18 54 09.9–.37 2.18S 135.10E 35 4.4b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=13.1km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=1.4.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.6km az=70.0.
ISC XI 19 00 36 47.5–.54 4.92S–.05 133.94E–.05 28 4.2b 38 1-82
IDC XI 19 00 36 44.4–1.0 4.95S 133.82E 0 4.2,4.1 **¶601992803**
ISCJB XI 19 00 36 45.8–.41 4.93S–.04 133.95E–.04 28 4.3b,2.8s
NEIC XI 19 00 36 45.7–.36 4.99S 133.82E 10 4.3b,2.8s
DJA XI 19 00 36 48.5–.30 5S–4.0 134E–3.0 79–16 5.2b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA XI 19 18 17 54.2–1.4 4S–8.0 134E–8.0 17–13 5.1b,4.4
¶606793065

IDC XI 27 22 40 32.2–6.3 4.59S 133.22E 0 3.8b,3.6
¶602390078

IDC Error ellipse: s-maj=383.8km s-min=30.8km az=76.0.
ISC XI 28 05 44 11.9–.97 3.50S–.08 131.2E–.10 24 8 1-66
IDC XI 28 05 44 07.7–5.5 3.33S 131.81E 0 3.9,3.9 **¶602390092**
ISCJB XI 28 05 44 10.5–1.0 3.66S–.09 131.2E–.10 24 3.9s,3.8b
DJA XI 28 05 44 12.5–.60 3S–5.0 131E–7.0 10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC XI 28 14 49 06.4–1.4 1.6S–.10 134.62E–.08 30 15 0-31
IDC XI 28 14 49 03.5–2.6 1.79S 134.56E 0 3.9,3.8 **¶602390124**
ISCJB XI 28 14 49 05.6–.72 1.79S–.09 134.55E–.06 30 3.7b,3.8
DJA XI 28 14 49 05.3–.90 2S–8.0 135E–4.0 16–8 5.3b,4.7
ISC Event type ke.
ISCJB Event type ke.
IDC XII 01 22 24 50.4–3.1 2.89S 136.46E 0 3.6,3.4
¶602390303

IDC Error ellipse: s-maj=125.9km s-min=30.8km az=81.0.
IDC XII 02 03 16 18.7–3.0 4.89S 133.92E 0 3.6,3.5
¶602390321

IDC Error ellipse: s-maj=111.1km s-min=25.7km az=79.0.
IDC XII 02 04 14 49.7–5.9 4.58S 133.62E 0 3.7,3.5
¶602390324

IDC Error ellipse: s-maj=341.2km s-min=32.2km az=77.0.
ISC XII 04 13 50 34.2–1.3 0.1S–.10 132.8E–.10 35 3.7b 14 2-64
DJA XII 04 13 50 28.7–2.6 0N–28 133E–6.0 10 4.0,4.0 **¶602035752**
IDC XII 04 13 50 29.6–1.4 0.07S 132.71E 0 3.9,3.8b
ISCJB XII 04 13 50 32.0–.98 0.05S–.10 132.74E–.09 33 3.7b,3.8b
NEIC XII 04 13 50 37.3–3.4 0.26S 132.49E 57–27 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=18.1km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=10.7km az=41.0.
NEIC Event type se. Error ellipse: s-maj=46.4km s-min=9.3km az=58.0.
IDC XII 05 03 43 18.7–1.8 0.95S 138.31E 0 4.0,3.9L
¶602390485

IDC Error ellipse: s-maj=36.2km s-min=22.0km az=87.0.
DJA XII 08 15 50 15.2–.50 2S–4.0 134E–3.0 20–5 4.6b,4.4
¶606793358

ISC XII 09 06 51 36.1–.58 4.39S–.05 134.11E–.06 21 4.5b 51 3-73
NEIC XII 09 06 51 33.5–6.1 4.40S 134.04E 1–41 4.1b **¶602032267**
IDC XII 09 06 51 33.6–1.0 4.33S 133.95E 0 4.4,4.3
ISCJB XII 09 06 51 34.2–.34 4.46S–.03 134.14E–.04 21 4.3b,3.8s
DJA XII 09 06 51 37.6–1.9 4S–4.0 134E–5.0 19–19 5.1b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 13 13 51 02.0–2.0 3.94S 131.52E 0 3.7b,3.4
¶602391268

IDC Error ellipse: s-maj=129.7km s-min=22.6km az=81.0.
IDC XII 16 00 10 57.4–6.1 4.16S 133.61E 0 3.7b,3.6
¶602391431

IDC Error ellipse: s-maj=356.7km s-min=30.4km az=77.0.
ISC XII 19 07 23 55.7–.76 3.61S–.06 135.78E–.07 37 4.0b 33 2-88
IDC XII 19 07 23 52.7–1.1 3.23S 135.90E 0 4.4,4.2 **¶602391636**
ISCJB XII 19 07 23 54.3–.49 3.56S–.04 135.75E–.05 37 4.1b,3.2s
NEIC XII 19 07 23 56.5–.54 3.67S 135.70E 35 4.6b,3.2s
DJA XII 19 07 23 56.6–.50 3S–6.0 136E–3.0 90–16 5.2b,4.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Nabire and [II] at Kaimana.
ISC XII 22 01 59 00.8–1.2 1.62S–.09 131.97E–.10 35 7 1-65
IDC XII 22 01 58 56.5–2.4 1.75S 131.96E 0 3.6,3.4 **¶602391842**
ISCJB XII 22 01 58 59.2–.84 1.8S–.10 131.9E–.10 33 3.4b,3.4
DJA XII 22 01 58 59.0–.50 2S–6.0 132E–6.0 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
DJA XII 23 16 37 38.8–1.6 4S–11 134E–10 10 4.5b,4.2
¶606793550

DJA XII 24 17 20 32.1–.70 0S–6.0 133E–3.0 10 3.6,3.6
¶606793575

IDC XII 26 02 57 36.3–5.8 1.64S 135.22E 0 4.1,4.1L
¶602380614

IDC Error ellipse: s-maj=324.7km s-min=24.2km az=80.0.
ISC XII 30 21 55 26.9–1.2 0.96S–.10 133.6E–.10 29 4.0b 10 2-86
IDC XII 30 21 55 22.6–1.3 0.69S 133.60E 0 4.2,4.1L **¶602380911**
ISCJB XII 30 21 55 25.0–1.1 0.80S–.08 133.63E–.08 29 3.8b,4.1L
ISC Event type ke.
ISCJB Event type ke.

(197) Near north coast of Irian Jaya.

ISC VII 03 02 20 59.6–.87 2.38S–.09 139.02E–.04 37 3.6b 16 1-85
IDC VII 03 02 20 53.6–1.0 2.58S 139.00E 0 3.9,3.8L **¶601663416**
DJA VII 03 02 20 58.6–1.2 2S–8.0 139E–2.0 15–10 4.1,4.1
ISC Event type ke.
DJA VII 12 16 52 16.7–.70 3S–5.0 140E–6.0 55–11 3.8,3.8
¶602027617

ISC VII 15 14 10 55.4–.39 2.98S–.04 139.72E–.04 54 4.5b,3.6s 85 1-160
BJI VII 15 14 10 51.1 3.41S 140.07E 68 5.1b,4.8b **¶601273572**
ISCJB VII 15 14 10 53.8–.24 3.02S–.03 139.70E–.03 54 4.5b,3.9s
NEIC VII 15 14 10 56.8–.89 3.01S 139.62E 72–9 4.7b,3.9s
DJA VII 15 14 10 57.0–.60 3S–4.0 140E–5.0 43–12 5.2b,5.1b
IDC VII 15 14 10 59.3–3.4 3.01S 139.72E 95–34 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=179.7.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.8km az=123.0.
IDC Error ellipse: s-maj=19.4km s-min=15.8km az=74.0.
ISC VII 16 12 25 36.4–.99 2.0S–.10 139.2E–.30 29 3.7b,3.3s 9 11-147
IDC VII 16 12 25 32.2–1.0 2.02S 138.82E 0 4.1L,4.0 **¶601664672**
ISCJB VII 16 12 25 34.6–1.0 2.1S–.10 139.1E–.40 29 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 16 33 11.5–.44 1.27S–.03 137.14E–.03 20–2 5.5b,5.3s 808 1-158
BJI VII 16 16 33 07.1 1.51S 137.31E 18 5.6b,5.4s **¶601351283**
IDC VII 16 16 33 08.5–.36 1.29S 137.09E 0 5.1b,5.1
ISCJB VII 16 16 33 09.8–.65 1.25S–.02 137.09E–.02 19–4 5.3b,5.3s
NEIC VII 16 16 33 09.0–.00 1.31S 137.05E 25 5.3b,5.3s
GCMT VII 16 16 33 10.1–.10 1.28S 137.02E 13–0 5.7W,5.3s
NEIC VII 16 16 33 10.1–.65 1.30S 137.05E 13–4 5.6W,5.6W
MOS VII 16 16 33 11.2–.84 1.34S 136.92E 31 5.7b,5.1s
DJA VII 16 16 33 11.6–.60 1S–3.0 137E–2.0 16–4 6.0,5.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$0.78 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.36 $M_{\theta\phi}$2.31 $M_{\theta r}$2.19 Best double couple: NP1:ϕ_s189.00000° ,δ74.00000°,λ-133.00000°. NP2:ϕ_s83.00000°,δ46.00000°,λ-23.00000°. Principal axes: T 3.3700,Plg17.0000°,Azm309.0000°; N 0.0800,Plg41.0000°,Azm204.0000° ; P -3.4400,Plg43.0000°,Azm57.0000° $M_0$3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s119,c229; s134,c382;Duration: 1s8 Moment tensor: Scale 10^{17} Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$0.66±.03; $M_{\phi\phi}$-0.13±.03; $M_{r\theta}$0.52±.07; $M_{\theta\phi}$3.34±.03; $M_{\theta r}$3.44±.18; Best double couple: NP1:ϕ_s187.00000°,δ86.00000°,λ-133.00000°. NP2:ϕ_s93.00000° ,δ43.00000°,λ-5.00000°. Principal axes: T 5.0600,Plg28.0000°,Azm310.0000° ; N -0.4290,Plg43.0000°,Azm190.0000°; P -4.6320,Plg34.0000°,Azm61.0000° $M_0$4.84600×10^{17}
NEIC Event type fe. Felt [II] at Serui. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.29 $M_{\theta\phi}$2.71 $M_{\theta r}$1.66 Best double couple: NP1:ϕ_s95.00000° ,δ57.00000°,λ12.00000°. NP2:ϕ_s359.00000°,δ81.00000°,λ147.00000°. Principal axes: T 3.1600,Plg30.0000°,Azm312.0000°; N 0.1700,Plg56.0000°,Azm165.0000° ; P -3.3300,Plg16.0000°,Azm51.0000° $M_0$3.30000×10^{17}
ISC VII 16 21 14 31.7–1.1 1.3S–.10 137.03E–.04 26 3.6b 14 1-72
IDC VII 16 21 14 26.3–2.8 1.24S 137.54E 0 3.7,3.6 **¶601664693**
DJA VII 16 21 14 29.9–.80 1S–7.0 137E–2.0 12–5 4.3,4.2
ISCJB VII 16 21 14 30.1–.72 1.25S–.09 137.07E–.04 26 3.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VII 18 03 52 52.5–1.0 2.5S–.20 140.58E–.07 27–7 3.5b 9 0-85
IDC VII 18 03 52 48.1–1.7 2.46S 140.59E 0 3.9L,3.8 **¶601664773**
DJA VII 18 03 52 52.7–2.0 2S–29 141E–3.0 12–5 4.1,4.1
ISC Event type ke.
ISC VII 18 05 56 04.8–.97 2.94S–.09 139.49E–.05 46 11 1-86
DJA VII 18 05 55 58.0–1.3 3S–8.0 140E–5.0 20–17 4.1,4.1 **¶601664776**
IDC VII 18 05 56 01.2–1.9 2.91S 139.82E 0 4.0,3.9L
ISCJB VII 18 05 56 04.2–.72 2.96S–.07 139.51E–.05 46 3.9s,3.5b
ISC Event type ke.
ISCJB Event type ke.
DJA VII 18 19 17 47.1–.60 3S–4.0 140E–4.0 21–6 4.5b,4.4
¶602027782

DJA VII 19 18 19 17.2–.80 1S–5.0 137E–2.0 17–8 4.0,4.0
¶602027810

IDC VII 22 10 57 16.6–4.1 1.90S 138.05E 0 3.9,3.8
¶601664960

IDC Error ellipse: s-maj=188.9km s-min=23.5km az=85.0.
IDC VII 23 02 40 08.6–1.5 2.27S 139.19E 0 3.7,3.6
¶601666293

IDC Error ellipse: s-maj=66.6km s-min=24.8km az=92.0.
ISC VII 31 01 41 53.1–.48 1.88S–.06 139.03E–.05 29 4.6b,3.3s 73 1-153
IDC VII 31 01 41 48.3–.57 1.71S 139.04E 0 4.4,4.3 **¶601497419**
ISCJB VII 31 01 41 51.1–.30 1.82S–.04 138.90E–.05 29 4.5b,3.3s
NEIC VII 31 01 41 54.0–.25 1.76S 138.89E 35 4.8b,3.3s
DJA VII 31 01 41 55.2–.60 2S–9.0 139E–5.0 63–8 5.3b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA VIII 06 13 41 59.9–1.0 3S–6.0 139E–6.0 84–15 3.8,3.8
¶602028229

IDC VIII 11 01 04 32.6–1.2 2.70S 139.53E 0 3.9,3.7
¶601765743

IDC Error ellipse: s-maj=51.3km s-min=23.3km az=94.0.
IDC VIII 20 13 57 51.5–1.6 2.87S 139.20E 0 4.0,3.7
¶601766195

IDC Error ellipse: s-maj=34.8km s-min=23.9km az=143.0.
DJA VIII 22 10 32 12.5–3.1 2S–18 139E–11 32–38 3.8,3.8
¶602028624

DJA VIII 25 02 16 56.9–1.8 3S–20 139E–14 53–22 3.7,3.7
¶602028676

ISC IX 03 20 25 31.5–.54 1.98S–.08 138.99E–.08 29 4.2b 27 2-151
IDC IX 03 20 25 27.4–.56 1.97S 138.88E 0 4.6L,4.3 **¶601777912**
NEIC IX 03 20 25 29.1–.36 1.97S 138.87E 10 4.9b,4.3
ISCJB IX 03 20 25 30.1–.41 2.01S–.06 138.81E–.06 29 4.1b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 05 02 08 09.3–1.5 2.69S 139.25E 0 3.7,3.7L
¶601862963

IDC Error ellipse: s-maj=31.2km s-min=22.0km az=159.0.
ISC IX 06 03 57 55.5–2.2 2.2S–.30 139.8E–.10 100 10 1-137

DJA IX 06 03 57 56.2–1.5 3S–13 140E–10 54–13 4.3,4.3 ¶601863025
IDC IX 06 03 57 57.0–2.7 2.26S 140.02E 109–35 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=84.1km s-min=46.9km az=106.0.
ISC IX 07 14 13 10.8–.51 1.42S–.06 138.21E–.05 24 4.3b,3.5s 38 2-149
DJA IX 07 14 13 06.8–.60 1S–6.0 138E–4.0 10 4.8,4.7 ¶601692030
IDC IX 07 14 13 07.4–.56 1.27S 138.11E 0 4.4,4.3
ISCJB IX 07 14 13 09.0–.40 1.32S–.05 138.19E–.04 24 4.2b,3.5s
NEIC IX 07 14 13 12.4–.41 1.29S 138.18E 35 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=12.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=20.5.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.0km az=70.0.
ISC IX 07 18 31 49.2–.84 1.1S–.10 138.6E–.10 35 3.6b 14 3-149
IDC IX 07 18 31 44.1–.90 1.00S 138.61E 0 4.5L,4.0 ¶601839182
ISCJB IX 07 18 31 47.0–.79 1.02S–.09 138.64E–.08 33 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 14 22 27 00.2–5.6 2.27S 139.47E 0 3.4,3.3b
¶601863557
IDC Error ellipse: s-maj=224.9km s-min=29.7km az=87.0.
ISC IX 15 21 00 27.4–.61 2.34S–.08 140.03E–.09 35 4.0b,3.0s 21 1-85
IDC IX 15 21 00 22.8–.88 2.19S 139.97E 0 4.3,4.2 ¶601738695
NEIC IX 15 21 00 23.9–1.7 2.20S 140.01E 8–11 4.5b,4.2
ISCJB IX 15 21 00 25.6–.51 2.25S–.06 140.03E–.07 33 4.2b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 21 07 41 28.1–1.5 3S–11 139E–11 66–17 4.0,4.0
¶602030693
ISC IX 23 13 22 58.7–.89 1.67S–.10 138.89E–.07 35 3.8b 22 2-69
IDC IX 23 13 22 54.6–1.6 1.68S 138.90E 0 4.2L,4.1 ¶601777934
NEIC IX 23 13 22 55.6–.45 1.65S 138.90E 10 4.1b,4.1
ISCJB IX 23 13 22 56.9–.64 1.68S–.07 138.85E–.06 33 3.8b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 30 20 37 44.6–1.2 1.7S–.20 138.81E–.09 35 7 2-69
ISCJB IX 30 20 37 42.8–1.1 1.7S–.20 138.78E–.07 33 3.6b ¶601857550
IDC IX 30 20 37 44.4–4.0 1.68S 138.86E 35–40 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=9.0km az=14.0.
IDC Error ellipse: s-maj=29.1km s-min=22.3km az=6.0.
ISC X 07 19 13 55.4–1.2 1.4S–.10 137.11E–.04 32 11 1-68
IDC X 07 19 13 51.9–1.6 1.32S 137.13E 0 3.5,3.5b ¶601997407
ISCJB X 07 19 13 54.5–1.0 1.4S–.10 137.20E–.05 32 3.5b,3.5b
DJA X 07 19 13 54.5–2.3 1S–11 137E–3.0 38–23 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC X 09 06 51 03.7–1.2 2.86S 139.35E 0 3.9,3.7
¶601997624
IDC Error ellipse: s-maj=23.3km s-min=12.1km az=139.0.
ISC X 09 07 14 58.0–.25 2.70S–.03 139.28E–.03 27 5.0b,4.9s 403 1-150
IDC X 09 07 14 52.8–.42 2.67S 139.26E 0 5.0,5.0s ¶601795714
BJI X 09 07 14 54.9 3.06S 139.35E 34 5.3b,5.0s
ISCJB X 09 07 14 56.1–.14 2.74S–.02 139.25E–.02 27 5.0b,5.0s
MOS X 09 07 14 57.0–.98 2.76S 139.12E 37 5.1b,5.0s
NEIC X 09 07 14 58.9–.15 2.71S 139.11E 35 5.1b,5.0s
DJA X 09 07 14 58.7–.30 2S–3.0 139E–2.0 41–3 5.6,5.5b
GCMT X 09 07 14 58.8–.10 2.65S–.01 139.31E–.01 19–0 5.5W,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c204; s122,c230;Duration: 1$\frac{1}{3}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.03 $M_{\theta\theta}$-1.00±.02; $M_{\phi\phi}$-0.42±.02; $M_{r\theta}$-0.99±.04; $M_{\theta\phi}$0.68±.01; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s308.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s119.00000°,δ24.00000°,λ81.00000°. Principal axes: T 1.9250,Plg69.0000° ,Azm226.0000°; N 0.0190,Plg4.0000°,Azm127.0000°; P -1.9440,Plg21.0000°,Azm35.0000° $M_0$1.93500×10^{17}
IDC X 09 07 31 53.9–1.4 2.59S 139.34E 0 3.3,3.2
¶601997625
IDC Error ellipse: s-maj=28.6km s-min=15.5km az=173.0.
IDC X 09 07 33 15.7–1.4 2.79S 139.53E 0 3.6,3.4
¶601997626
IDC Error ellipse: s-maj=30.5km s-min=14.5km az=163.0.
IDC X 09 07 37 30.0–5.3 2.80S 139.43E 0 3.6,3.5b
¶601997627
IDC Error ellipse: s-maj=100.0km s-min=15.3km az=148.0.
ISC X 09 07 49 54.4–.32 2.72S–.03 139.24E–.03 38–1 5.4b,5.3s 640 1-160
BJI X 09 07 49 47.1 3.16S 139.67E 30 5.6b,5.3s ¶601819581
IDC X 09 07 49 48.1–.37 2.71S 139.29E 0 5.0,5.0s
ISCJB X 09 07 49 51.2–.67 2.73S–.02 139.25E–.02 26–4 5.3b,5.3s
NEIC X 09 07 49 51.9–.14 2.72S 139.22E 20 5.6b,5.4s
MOS X 09 07 49 52.6–.98 2.70S 139.27E 38 5.7b,5.1s
DJA X 09 07 49 53.4–.50 3S–3.0 139E–2.0 17–6 6.0,5.8b
GCMT X 09 07 49 54.9–.10 2.69S–.01 139.33E–.01 22–0 5.6W,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Genyem and Jayapura. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ35.00000°,λ90.00000°. NP2: ϕ_s310.00000°,δ55.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm220.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm40.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c229; s136,c327; Duration: 1$\frac{1}{3}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.94±.04 $M_{\theta\theta}$-1.89±.03; $M_{\phi\phi}$-1.05±.03; $M_{r\theta}$-1.36±.06; $M_{\theta\phi}$1.40±.02; $M_{\phi r}$0.48±.06; Best double couple: NP1:ϕ_s299.00000°,δ58.00000° ,λ82.00000°. NP2:ϕ_s134.00000°,δ33.00000°,λ102.00000°. Principal axes: T 3.3000,Plg76.0000°,Azm187.0000°; N -0.0570,Plg7.0000°,Azm303.0000° ; P -3.2430,Plg13.0000°,Azm35.0000° $M_0$3.27100×10^{17}
ISC X 09 07 57 49.6–.40 2.73S–.05 139.36E–.05 27 4.7b 95 1-147
IDC X 09 07 57 44.4–.56 2.59S 139.35E 0 4.5,4.4 ¶601795717
ISCJB X 09 07 57 47.9–.28 2.72S–.04 139.35E–.04 27 5.2s,4.6b
NEIC X 09 07 57 49.1–2.7 2.65S 139.31E 25–20 4.9b,4.6b
DJA X 09 07 57 49.2–1.0 3S–5.0 139E–5.0 15–12 5.7b,5.3
BJI X 09 07 57 50.2 3.15S 139.11E 49 5.2b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=11.7km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=179.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=170.0.
ISC X 09 08 12 43.9–.91 2.7S–.10 139.44E–.08 35 3.9b 15 1-144
IDC X 09 08 12 38.7–.98 2.75S 139.34E 0 4.1,4.0L ¶601997630
ISCJB X 09 08 12 42.1–.84 2.8S–.10 139.33E–.07 35 3.8b,4.0L
DJA X 09 08 12 46.1–.60 3S–8.0 140E–9.0 10 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC X 09 09 53 45.7–.82 2.57S–.09 139.42E–.05 27 3.8b,3.4s 14 1-85
IDC X 09 09 53 42.2–1.1 2.71S 139.40E 0 4.1,3.9 ¶601997644
ISCJB X 09 09 53 45.1–.69 2.40S–.08 139.34E–.05 27 3.8b,3.4s
DJA X 09 09 53 46.4–.40 3S–5.0 139E–4.0 45–10 4.5,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 09 10 26 57.7–.61 2.72S–.07 139.41E–.05 27 4.1b,3.7s 44 1-144
IDC X 09 10 26 53.8–.82 2.70S 139.39E 0 4.3,4.2L ¶601997648
ISCJB X 09 10 26 56.2–.39 2.74S–.05 139.35E–.03 27 4.0b,3.8s
DJA X 09 10 26 57.4–.80 3S–4.0 139E–3.0 31–12 4.8,4.6
NEIC X 09 10 26 59.1–.58 2.73S 139.32E 35 4.1b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=12.7km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=173.5.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.0km az=94.0.
IDC X 09 10 44 56.0–1.5 2.96S 139.59E 0 3.6,3.3
¶601997651
IDC Error ellipse: s-maj=33.4km s-min=13.2km az=155.0.
ISC X 09 12 27 51.4–.51 2.64S–.05 139.41E–.04 35 3.9b 45 1-144
IDC X 09 12 27 46.7–.77 2.80S 139.37E 0 4.1L,4.0 ¶601997656
ISCJB X 09 12 27 50.4–.37 2.78S–.04 139.34E–.04 35 4.2b,4.0
NEIC X 09 12 27 51.1–.44 2.74S 139.52E 35 4.0b,4.0
DJA X 09 12 27 52.6–.70 3S–4.0 139E–3.0 38–9 4.6,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA X 09 15 38 53.4–.90 2S–4.0 139E–3.0 15–7 3.5,3.5
¶601997673
IDC X 09 17 22 23.8–1.3 2.72S 139.34E 0 3.8,3.8L
¶601997680
IDC Error ellipse: s-maj=29.3km s-min=14.0km az=159.0.
ISC X 10 06 02 02.5–.96 2.83S–.09 139.46E–.07 35 3.7b,3.3s 9 1-86
IDC X 10 06 01 56.5–1.6 2.74S 139.80E 0 4.0,4.0L ¶601997722
ISCJB X 10 06 02 01.4–.75 2.94S–.08 139.36E–.07 35 3.7b,3.3s
DJA X 10 06 02 02.2–.60 3S–8.0 139E–4.0 10 4.6,4.6
ISC Event type ke.
ISCJB Event type ke.
ISC X 12 08 54 31.2–.81 2.1S–.10 139.7E–.10 27 3.9b 24 8-147
IDC X 12 08 54 27.5–1.1 2.13S 139.49E 0 4.2,4.0L ¶601870035
ISCJB X 12 08 54 29.6–.72 2.20S–.06 139.6E–.10 27 4.0b,4.0L
NEIC X 12 08 54 32.3–.58 2.18S 139.66E 35 4.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=21.8km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=9.0km az=176.1.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.4km az=90.0.
ISC X 14 02 17 09.8–1.2 2.79S–.10 139.4E–.20 35 3.6b 9 8-86
IDC X 14 02 17 04.5–1.2 2.72S 139.46E 0 4.0L,3.9 ¶601998171
ISCJB X 14 02 17 08.1–1.1 2.70S–.08 139.3E–.20 35 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC X 18 22 49 05.1–4.2 2.59S 140.22E 0 3.8,3.8L
¶601998856
IDC Error ellipse: s-maj=160.2km s-min=28.5km az=89.0.
IDC X 22 04 37 13.4–1.8 2.74S 139.48E 93–26 3.8,3.7
¶601999248
IDC Error ellipse: s-maj=37.3km s-min=18.4km az=116.0.
ISC XI 04 05 40 57.8–1.0 2.6S–.10 139.06E–.08 37 9 1-70
IDC XI 04 05 40 52.5–1.4 2.49S 139.10E 0 3.4,3.4L ¶602388791
DJA XI 04 05 40 55.1–1.6 3S–12 139E–8.0 10 3.3,3.3
ISCJB XI 04 05 40 56.6–.82 2.69S–.07 139.02E–.06 37 3.0b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 04 06 29 39.2–1.1 2.72S–.10 139.04E–.07 37 11 1-70
IDC XI 04 06 29 34.2–1.5 2.66S 139.11E 0 3.5,3.4 ¶602388792
ISCJB XI 04 06 29 37.9–.81 2.78S–.07 138.99E–.05 37 3.3b,3.4
DJA XI 04 06 29 37.6–1.8 2S–66 139E–28 84–12 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC XI 05 20 25 19.8–1.4 1.65S 138.90E 0 3.9L,3.7
¶602388884
IDC Error ellipse: s-maj=28.8km s-min=23.2km az=48.0.
ISC XI 16 05 10 59.2–.57 2.09S–.08 139.18E–.04 29 4.4b 50 0-144
ISCJB XI 16 05 10 57.5–.37 2.10S–.05 139.17E–.04 29 4.5b ¶601992160
DJA XI 16 05 10 58.4–1.3 2S–36 139E–7.0 19–4 4.7b,4.5
NEIC XI 16 05 10 59.8–2.8 2.07S 139.22E 35–20 4.4b,4.5
IDC XI 16 05 11 00.7–3.6 2.11S 139.20E 44–44 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=29.9.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.5km az=53.0.
IDC Error ellipse: s-maj=26.5km s-min=17.4km az=113.0.
ISC XI 18 19 48 22.8–.78 2.3S–.10 139.00E–.06 29 3.9b 18 0-85
IDC XI 18 19 48 18.5–1.0 2.28S 138.98E 0 4.0,3.8L ¶602389625
ISCJB XI 18 19 48 21.5–.59 2.35S–.07 138.98E–.05 29 3.8b,3.3s
DJA XI 18 19 48 21.5–1.1 2S–18 139E–4.0 20–5 4.7b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC XI 25 17 30 13.2–.76 1.2S–.10 137.85E–.08 35 4.1b 13 3-85
IDC XI 25 17 30 08.1–.91 1.14S 137.84E 0 4.0,3.9 ¶602389984
ISCJB XI 25 17 30 11.2–.61 1.23S–.09 137.81E–.05 33 3.9b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 27 17 08 57.8–1.4 2.39S 140.14E 0 3.5,3.5L
¶602390068
IDC Error ellipse: s-maj=28.0km s-min=9.8km az=5.0.
ISC XI 28 01 42 17.8–.35 1.99S–.04 138.66E–.04 36 4.6b,4.1s 136 2-150
IDC XI 28 01 42 11.9–.53 1.70S 138.64E 0 4.6L,4.5 ¶601994931
NEIC XI 28 01 42 15.9–2.6 1.87S 138.65E 26–5 4.7b,4.5
ISCJB XI 28 01 42 16.3–.29 1.87S–.04 138.66E–.03 36 4.5b,4.2s
GCMT XI 28 01 42 16.9–.20 1.58S–.01 138.57E–.02 28–1 5.0W,4.2s
DJA XI 28 01 42 17.0–1.4 2S–6.0 139E–3.0 12–11 5.2b,5.0
BJI XI 28 01 42 23.3 1.78S 138.49E 35 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.7km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=30.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c43; s79,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.19 $M_{\theta\theta}$4.10±.14; $M_{\phi\phi}$-3.33±.15; $M_{r\theta}$0.00±.22; $M_{\theta\phi}$0.61±.11; $M_{\phi r}$0.02±.26; Best double couple: NP1:ϕ_s220.00000°,δ90.00000°,λ-180.00000°. NP2:ϕ_s130.00000°,δ90.00000°,λ0.00000°. Principal axes: T 4.1500,Plg0.0000° ,Azm355.0000°; N -0.7620,Plg89.0000°,Azm260.0000°; P -3.3810,Plg1.0000°,Azm85.0000° $M_0$3.76600×10^{16}
IDC XI 30 01 50 23.1–.98 2.80S 140.57E 0 4.1L,4.0
¶602390211
IDC Error ellipse: s-maj=14.5km s-min=7.3km az=116.0.
IDC XI 30 07 35 46.4–5.6 1.96S 138.86E 0 4.2L,4.0
¶602390226
IDC Error ellipse: s-maj=90.5km s-min=25.3km az=165.0.
ISC XII 04 07 31 50.6–.64 2.77S–.08 140.42E–.09 35 3.9b 24 0-145
IDC XII 04 07 31 46.3–1.0 2.87S 140.38E 0 4.1L,4.0 ¶602042913
NEIC XII 04 07 31 47.7–.49 2.83S 140.32E 10 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=8.4km az=133.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=102.0.
DJA XII 05 17 50 50.9–1.9 2S–24 139E–7.0 27–21 3.9,3.9
¶606793314
DJA XII 15 10 15 17.9–.50 3S–7.0 141E–3.0 15–5 4.9,4.9b
¶606793445
IDC XII 16 05 37 50.7–1.4 2.78S 139.09E 0 3.5,3.5L
¶602391446
IDC Error ellipse: s-maj=30.1km s-min=14.4km az=168.0.
IDC XII 17 11 43 22.6–1.4 2.18S 139.15E 0 4.0,4.0L
¶602391538
IDC Error ellipse: s-maj=28.4km s-min=14.4km az=10.0.
IDC XII 26 21 12 50.0–1.4 1.66S 138.69E 0 4.0,4.0L
¶602380663
IDC Error ellipse: s-maj=32.4km s-min=22.2km az=51.0.
IDC XII 30 00 19 19.5–1.6 2.57S 140.04E 0 3.3,3.2L
¶602380864
IDC Error ellipse: s-maj=33.2km s-min=10.9km az=170.0.
IDC XII 31 02 48 22.4–1.4 1.96S 139.14E 0 3.7L,3.6
¶602380465
IDC Error ellipse: s-maj=26.8km s-min=13.8km az=15.0.

(198) Ninigo Islands region.

IDC VII 21 05 58 05.8–6.8 1.76S 141.61E 0 3.7L,3.5
¶601664908

IDC Error ellipse: s-maj=256.5km s-min=29.2km az=89.0.
IDC VII 31 09 35 30.6–11 2.12S 144.75E 0 3.7,3.5
¶601650812

IDC Error ellipse: s-maj=167.0km s-min=92.4km az=10.0.
IDC XI 02 17 34 56.2–5.1 1.83S 141.33E 0 3.6,3.6b
¶602388730

IDC Error ellipse: s-maj=89.5km s-min=17.7km az=150.0.
ISC XII 09 20 45 04.9–.94 1.8S–.20 142.8E–.10 35 3.9b 15 2-147
IDC XII 09 20 44 59.2–1.0 1.81S 143.03E 0 4.1,4.0 **¶602390928**
ISCJB XII 09 20 45 03.1–.77 1.8S–.10 142.84E–.10 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC XII 20 12 58 10.6–1.9 1.93S 142.31E 0 3.5,3.4b
¶602391732

IDC Error ellipse: s-maj=83.6km s-min=29.0km az=100.0.

(199) Admiralty Islands region.

IDC VIII 31 02 22 42.4–1.5 0.70S 148.67E 0 4.4L,4.1
¶601755647

IDC Error ellipse: s-maj=66.4km s-min=25.1km az=125.0.
IDC X 31 22 28 57.2–4.2 2.76S 148.62E 0 3.9,3.7
¶602000667

IDC Error ellipse: s-maj=144.6km s-min=47.4km az=109.0.
IDC XI 05 11 58 17.9–1.7 2.47S 145.78E 0 3.7,3.5
¶602388862

IDC Error ellipse: s-maj=121.9km s-min=28.8km az=117.0.
ISC XI 06 14 29 36.9–.92 2.88S–.08 148.4E–.10 18 22 7-145
ISCJB XI 06 14 29 34.5–1.0 2.93S–.05 148.5E–.20 18 3.8b **¶601991479**
IDC XI 06 14 29 34.1–1.5 2.80S 148.53E 0 4.3,4.1
NEIC XI 06 14 29 34.7–.89 2.94S 148.56E 10 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.2km s-min=7.6km az=3.8.
IDC Error ellipse: s-maj=47.8km s-min=19.8km az=106.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=9.8km az=99.0.

(200) Near north coast of New Guinea.

ISC VII 03 03 04 16.0–.46 4.93S–.05 145.60E–.08 100 4.6b 94 3-99
ISCJB VII 03 03 04 14.4–.23 4.90S–.03 145.66E–.05 100 4.5b **¶601235609**
IDC VII 03 03 04 18.5–2.1 4.95S 145.58E 128–19 4.5,4.1
NEIC VII 03 03 04 19.5–.65 4.93S 145.50E 135–6 4.6b,4.1
DJA VII 03 03 04 19.1–.90 5S–8.0 146E–8.0 88–23 5.3b,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 07 18 12 55.8–.73 3.31S–.10 142.90E–.05 23 3.9b 24 2-100
IDC VII 07 18 12 51.8–1.3 3.24S 142.91E 0 4.0,3.8 **¶601542019**
ISCJB VII 07 18 12 53.8–.62 3.24S–.08 142.88E–.08 23 4.0b,3.2s
NEIC VII 07 18 12 57.3–2.2 3.25S 142.96E 35–25 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=21.8km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.7km az=35.8.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=10.1km az=122.0.
ISC VII 08 13 03 56.6–1.4 3.3S–.10 145.9E–.30 25 3.9b 19 2-84
NEIC VII 08 13 03 54.0–.79 3.51S 146.54E 35 4.3b **¶601404591**
IDC VII 08 13 03 53.1–1.8 3.24S 145.77E 0 4.2,4.0
ISCJB VII 08 13 03 54.2–1.1 3.38S–.07 145.9E–.20 25 3.9b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 18 22 10 53.4–1.6 3.88S 142.68E 0 4.5L,4.2
¶601664807

IDC Error ellipse: s-maj=74.5km s-min=24.0km az=114.0.
ISC VII 19 14 50 07.6–.76 3.32S–.08 143.7E–.20 25 4.1b,3.1s 14 7-87
IDC VII 19 14 50 03.6–.75 3.37S 143.64E 0 4.3L,4.2 **¶601664837**
ISCJB VII 19 14 50 05.5–.64 3.31S–.07 143.9E–.10 25 4.0b,3.1s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 22 10 55 46.5–3.3 4.75S 145.52E 163–36 3.9,3.5
¶601664959

IDC Error ellipse: s-maj=32.0km s-min=22.9km az=110.0.
IDC VII 24 21 44 35.5–1.8 2.99S 141.42E 0 3.8,3.6L
¶601666391

IDC Error ellipse: s-maj=291.3km s-min=29.4km az=111.0.
IDC VII 25 12 27 30.1–1.9 2.92S 141.14E 0 3.7,3.7L
¶601666423

IDC Error ellipse: s-maj=139.9km s-min=30.6km az=111.0.
IDC VII 29 09 59 19.3–1.7 4.65S 144.29E 0 3.8,3.6
¶601666623

IDC Error ellipse: s-maj=46.2km s-min=27.5km az=99.0.
ISC VII 30 21 46 52.7–.40 3.39S–.06 142.85E–.06 22 4.7b,3.5s 93 2-148
IDC VII 30 21 46 48.2–.66 3.26S 143.03E 0 4.6,4.5 **¶601497410**
ISCJB VII 30 21 46 50.7–.29 3.35S–.04 142.88E–.04 22 4.7b,3.5s
BJI VII 30 21 46 50.0 3.53S 143.19E 33 5.0b,4.7b
NEIC VII 30 21 46 52.4–2.3 3.29S 142.87E 23–16 4.7b,4.7b
DJA VII 30 21 46 54.3–1.2 3S–6.0 143E–6.0 32–10 5.2b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 30 22 50 14.7–.81 3.3S–.10 143.0E–.10 22 4.1b,3.4s 17 18-148
IDC VII 30 22 50 11.4–1.2 3.26S 143.02E 0 4.4,4.2 **¶601521008**
ISCJB VII 30 22 50 12.9–.64 3.30S–.08 143.0E–.10 22 4.1b,3.5s
NEIC VII 30 22 50 16.5–.41 3.31S 143.03E 35 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=18.3km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=11.1km az=166.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.8km az=77.0.
ISC VII 30 23 24 31.7–1.1 3.3S–.10 142.7E–.30 26 4.0b,3.5s 10 17-99
IDC VII 30 23 24 27.6–1.1 3.28S 142.75E 0 4.2,4.0 **¶601521007**
ISCJB VII 30 23 24 30.2–.91 3.30S–.10 142.6E–.20 26 3.9b,3.5s
NEIC VII 30 23 24 33.1–.83 3.31S 142.65E 35 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=19.0km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=35.9km s-min=12.9km az=10.3.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=12.3km az=100.0.
IDC VII 31 17 47 33.8–1.9 3.05S 143.29E 0 3.5,3.4
¶601650841

IDC Error ellipse: s-maj=40.9km s-min=27.4km az=88.0.
ISC VIII 01 20 43 40.9–.34 4.37S–.03 144.68E–.04 50–2 5.5b,4.8s 524 4-150
IDC VIII 01 20 43 33.7–.44 4.40S 144.78E 0 5.2,5.2b **¶601503284**
DJA VIII 01 20 43 34.7–2.8 4S–9.0 145E–22 56–11 6.6,5.9b
MOS VIII 01 20 43 36.4–.87 4.33S 144.67E 26 5.5b,4.5s
BJI VIII 01 20 43 37.9 4.21S 145.08E 44 5.5b,5.1b
ISCJB VIII 01 20 43 38.7–.57 4.37S–.02 144.63E–.02 42–5 5.4b,4.7s
NEIC VIII 01 20 43 40.7–.47 4.39S 144.64E 49–4 5.6b,4.7s
GCMT VIII 01 20 43 41.7–.10 4.36S–.01 144.55E–.01 42–1 5.4W,4.7s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c160; s132,c229; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$-1.04±.02; $M_{\phi\phi}$1.07±.02; $M_{r\theta}$-0.47±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$1.01±.03; Best double couple: NP1:ϕ_s324.00000°,δ89.00000° ,λ135.00000°. NP2:ϕ_s55.00000°,δ45.00000°,λ1.00000°. Principal axes: T 1.6700,Plg31.0000°,Azm269.0000°; N -0.2670,Plg45.0000°,Azm143.0000° ; P -1.4020,Plg29.0000°,Azm19.0000° $M_0$1.53600×10^{17}
ISC VIII 04 02 32 28.6–1.5 4.6S–.10 145.8E–.20 22 3.7b 7 5-85
IDC VIII 04 02 32 25.2–1.6 4.66S 145.90E 0 3.8,3.6 **¶601765426**
ISCJB VIII 04 02 32 27.1–1.3 4.7S–.10 145.9E–.20 22 3.5b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 19 22 41 50.2–.26 4.85S–.03 144.65E–.03 80–2 5.9b 1829 4-169
BJI VIII 19 22 41 43.1 5.12S 145.35E 77 6.0b,5.8 **¶604029703**
MOS VIII 19 22 41 48.4–1.1 4.69S 144.62E 70 6.1b,5.6s
ISCJB VIII 19 22 41 48.9–.48 4.78S–.02 144.62E–.02 77–4 5.8b,5.6s
NEIC VIII 19 22 41 49.8–.08 4.77S 144.57E 73 6.3W,6.2
IDC VIII 19 22 41 49.1–1.3 4.79S 144.60E 68–11 5.9,5.6
NEIC VIII 19 22 41 50.0–.00 4.85S 144.58E 80 5.9,5.6
DJA VIII 19 22 41 52.3–.40 5S–3.0 145E–3.0 87–3 6.9,6.3b
GCMT VIII 19 22 41 54.8–.10 4.92S 144.60E 80–0 6.2W,6.3b
CNRM VIII 19 22 42 05.6 4.28S 146.99E 200 6.2W,6.3b
NEIC VIII 19 22 42 07.5–.00 5.02S 144.44E 68 6.2W,6.3b
ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=111.1.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=24.8.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.7km az=99.0. Felt at Goroka, Lae, Madang, Mendi, Mount Hagen, Tari and Wewak. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}1.95 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.67 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.35 Best double couple: NP1:ϕ_s106.00000°,δ66.00000°,λ84.00000°. NP2:ϕ_s299.00000° ,δ25.00000°,λ102.00000°. Principal axes: T 2.6100,Plg69.0000°,Azm5.0000° ; N -0.0900,Plg5.0000°,Azm108.0000°; P -2.5300,Plg21.0000°,Azm200.0000° $M_0$2.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s295.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s115.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm25.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm205.0000°
IDC Error ellipse: s-maj=8.5km s-min=6.4km az=85.0.
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{18}Nm; M_{rr}1.91 $M_{\theta\theta}$-1.78 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.99 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s101.00000° ,δ68.00000°,λ87.00000°. NP2:ϕ_s288.00000°,δ22.00000°,λ97.00000°. Principal axes: T 2.7900,Plg66.0000°,Azm5.0000°; N -0.0200,Plg2.0000°,Azm101.0000° ; P -2.7700,Plg23.0000°,Azm192.0000° $M_0$2.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c377; s144,c528; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; M_{rr}2.09±.02 $M_{\theta\theta}$-2.10±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$2.00±.01; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$-0.44±.01; Best double couple: NP1:ϕ_s103.00000°,δ67.00000° ,λ89.00000°. NP2:ϕ_s285.00000°,δ23.00000°,λ92.00000°. Principal axes: T 2.9050,Plg68.0000°,Azm11.0000°; N 0.1520,Plg1.0000°,Azm103.0000° ; P -3.0560,Plg22.0000°,Azm194.0000° $M_0$2.98100×10^{18}
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}2.30 $M_{\theta\theta}$-2.26 $M_{\phi\phi}$-0.03 $M_{r\theta}$1.80 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.56 Best double couple: NP1:ϕ_s272.00000° ,δ26.00000°,λ80.00000°. NP2:ϕ_s104.00000°,δ65.00000°,λ95.00000°. Principal axes: T 2.9800,Plg70.0000°,Azm24.0000°; N -0.0100,Plg4.0000°,Azm282.0000° ; P -2.9700,Plg20.0000°,Azm190.0000° $M_0$3.00000×10^{18}
ISC VIII 19 22 51 50.0–1.1 4.5S–.10 145.0E–.20 38 4.2b 8 5-150
ISCJB VIII 19 22 51 48.8–1.2 4.6S–.10 145.0E–.20 38 4.2b **¶601766170**
IDC VIII 19 22 51 55.4–2.7 4.74S 145.10E 92–26 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=11.8km az=153.2.
IDC Error ellipse: s-maj=32.5km s-min=18.5km az=55.0.
IDC VIII 29 07 21 32.4–3.8 3.58S 144.51E 0 3.5,3.4L
¶601755550

IDC Error ellipse: s-maj=98.0km s-min=30.2km az=95.0.
ISC IX 09 11 27 27.3–.46 3.80S–.07 144.48E–.09 35 4.5b,3.5s 84 3-149
IDC IX 09 11 27 22.1–.59 3.74S 144.54E 0 4.4,4.3 **¶601696967**
ISCJB IX 09 11 27 25.9–.29 3.75S–.04 144.43E–.05 33 4.4b,3.6s
NEIC IX 09 11 27 28.2–.88 3.70S 144.39E 39–8 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.1km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=1.6.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.0km az=100.0.
IDC IX 14 03 02 59.7–1.6 3.26S 145.16E 0 4.0,3.8
¶601863498

IDC Error ellipse: s-maj=89.4km s-min=26.2km az=121.0.
IDC IX 14 03 05 01.6–1.6 3.21S 145.01E 0 4.3,4.0
¶601863499

IDC Error ellipse: s-maj=84.9km s-min=25.6km az=122.0.
ISC IX 14 11 00 05.6–1.5 4.9S–.10 144.5E–.20 82 3.7b 7 5-85
ISCJB IX 14 11 00 04.3–1.4 4.9S–.10 144.5E–.20 82 3.5b **¶601863519**
IDC IX 14 11 00 06.7–5.1 4.91S 144.47E 89–41 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.1km s-min=16.9km az=2.1.
IDC Error ellipse: s-maj=48.3km s-min=22.5km az=97.0.
ISC IX 15 04 38 10.7–.96 3.3S–.10 142.6E–.10 26 4.2b,3.2s 20 2-147
IDC IX 15 04 38 06.2–.99 3.27S 142.67E 0 4.3,4.2 **¶601751708**
ISCJB IX 15 04 38 08.5–.93 3.34S–.09 142.66E–.10 26 3.9b,3.2s
DJA IX 15 04 38 09.4–2.3 3S–9.0 143E–12 12–17 4.8b,4.6
NEIC IX 15 04 38 12.0–.81 3.32S 142.47E 35 4.1b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=19.4km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.7km az=140.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=13.2km az=86.0.
IDC IX 26 16 25 57.8–1.8 3.05S 142.28E 0 3.7,3.5L
¶601864216

IDC Error ellipse: s-maj=29.7km s-min=16.7km az=26.0.
IDC X 05 03 45 56.0–2.5 4.94S 145.29E 103–25 3.9,3.7
¶601997097

IDC Error ellipse: s-maj=26.1km s-min=18.6km az=61.0.
IDC X 06 20 18 01.8–3.1 3.88S 142.90E 0 3.6,3.5
¶601997310

IDC Error ellipse: s-maj=76.1km s-min=28.5km az=83.0.
ISC X 13 23 07 54.9–1.2 2.57S–.04 142.31E–.04 24–8 5.2b,4.2s 645 2-157
BJI X 13 23 07 47.4 2.70S 142.76E 6 5.3b,5.1b **¶601833179**
IDC X 13 23 07 51.0–.44 2.50S 142.42E 0 5.3L,5.1
ISCJB X 13 23 07 51.4–.13 2.50S–.02 142.31E–.02 10 5.1b,4.2s
MOS X 13 23 07 54.7–1.2 2.50S 142.27E 33 5.4b,4.1s
NEIC X 13 23 07 54.6–1.2 2.54S 142.33E 23–8 5.3b,4.1s
GCMT X 13 23 07 55.7–.20 2.42S–.01 142.31E–.02 20–0 5.1W,4.1s
DJA X 13 23 08 00.3–.80 3S–5.0 142E–5.0 55–6 6.0,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c77; s89,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.13±.22 $M_{\theta\theta}$-4.58±.14; $M_{\phi\phi}$-0.55±.15; $M_{r\theta}$0.89±.26; $M_{\theta\phi}$4.20±.10; $M_{\phi r}$1.09±.28; Best double couple: NP1:ϕ_s102.00000°,δ50.00000°,λ62.00000°. NP2:ϕ_s322.00000°,δ48.00000°,λ119.00000°. Principal axes: T 5.6770,Plg69.0000° ,Azm304.0000°; N 1.5490,Plg21.0000°,Azm122.0000°; P -7.2260,Plg1.0000°,Azm212.0000° $M_0$6.45100×10^{16}
ISC X 14 06 16 50.0–.35 2.53S–.04 142.33E–.06 35 4.7b,3.8s 181 4-147
BJI X 14 06 16 41.2 2.89S 142.77E 16 5.2b,5.0b **¶601833190**
IDC X 14 06 16 44.1–.55 2.50S 142.39E 0 4.9L,4.7
NEIC X 14 06 16 45.8–.22 2.52S 142.34E 10 4.9b,4.7
ISCJB X 14 06 16 47.9–.24 2.51S–.03 142.33E–.04 33 4.7b,3.8s
GCMT X 14 06 16 47.8–.40 2.42S–.03 142.48E–.04 28–1 5.0W,3.8s
DJA X 14 06 16 55.0–1.2 3S–8.0 142E–8.0 56–7 5.6,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c35; s53,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.49±.35 $M_{\theta\theta}$-2.72±.20; $M_{\phi\phi}$-1.77±.22; $M_{r\theta}$0.02±.27; $M_{\theta\phi}$1.18±.10; $M_{\phi r}$2.34±.42; Best double couple: NP1:ϕ_s325.00000°,δ57.00000°,λ109.00000°. NP2:ϕ_s113.00000°,δ37.00000°,λ63.00000°. Principal axes: T 5.2880,Plg71.0000° ,Azm279.0000°; N -1.5280,Plg16.0000°,Azm135.0000°; P -3.7600,Plg11.0000° ,Azm42.0000° $M_0$4.52400×10^{16}
ISC X 15 11 18 54.3–1.2 3.6S–.10 144.4E–.10 22 4.1b,3.6s 13 4-84
IDC X 15 11 18 49.1–1.7 3.66S 144.91E 0 4.2,4.0 **¶601834631**
ISCJB X 15 11 18 54.0–1.0 3.7S–.10 144.3E–.10 22 4.0b,3.6s
ISC Event type ke.
ISCJB Event type ke.

IDC X 21 11 05 08.1–1.5 4.32S 145.85E 0 3.7,3.5
¶601999155

IDC Error ellipse: s-maj=52.5km s-min=26.8km az=120.0.
IDC X 22 02 47 57.1–6.5 4.59S 144.01E 52–63 3.6,3.6
¶601999241

IDC Error ellipse: s-maj=45.7km s-min=19.2km az=96.0.
IDC X 23 07 08 45.9–6.1 4.80S 145.45E 137–57 4.0,3.8
¶601999344

IDC Error ellipse: s-maj=63.3km s-min=21.2km az=106.0.
ISC X 24 00 02 53.9–.45 4.78S–.06 145.29E–.06 64 4.6b 93 3-150
ISCJB X 24 00 02 52.1–.28 4.80S–.04 145.27E–.04 64 4.6b **¶601844004**
NEIC X 24 00 02 52.9–.59 4.75S 145.24E 55–6 4.6b
BJI X 24 00 02 52.5 4.70S 145.20E 42 5.1b,4.8b
IDC X 24 00 02 56.1–2.9 4.82S 145.17E 85–25 4.5,4.3
DJA X 24 00 02 56.0–.90 5S–7.0 145E–8.0 59–5 5.9,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 25 03 47 01.9–2.3 2.62S 141.24E 0 4.2,4.1L
¶601999561

IDC Error ellipse: s-maj=41.5km s-min=10.2km az=26.0.
ISC XI 01 15 59 35.6–1.1 4.9S–.10 145.0E–.10 100 3.4b 11 5-150
ISCJB XI 01 15 59 34.2–1.0 4.9S–.10 145.0E–.10 100 3.5b **¶602388682**
IDC XI 01 15 59 35.7–2.0 4.89S 144.95E 98–17 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=7.4km az=139.0.
IDC Error ellipse: s-maj=27.1km s-min=11.2km az=50.0.
IDC XI 15 05 09 22.1–1.8 4.17S 145.21E 0 4.0,3.8L
¶602389432

IDC Error ellipse: s-maj=83.6km s-min=26.9km az=123.0.
IDC XI 21 02 05 02.9–1.9 3.56S 145.64E 0 4.0,4.0L
¶602389762

IDC Error ellipse: s-maj=338.8km s-min=28.3km az=118.0.
ISC XI 29 11 10 25.7–.22 3.59S–.03 145.74E–.04 25 6.0s,5.5b 480 2-157
IDC XI 29 11 10 20.0–.40 3.38S 145.58E 0 5.6s,5.6 **¶601995233**
NEIC XI 29 11 10 21.7–.11 3.42S 145.56E 10 5.9W,5.9W
MOS XI 29 11 10 21.9–1.2 3.45S 145.52E 23 5.8s,5.7b
ISCJB XI 29 11 10 22.6–.14 3.46S–.02 145.57E–.03 25 6.0s,5.4b
BJI XI 29 11 10 23.1 3.61S 145.60E 10 5.9s,5.8
NEIC XI 29 11 10 27.0–.00 3.51S 145.54E 11 5.9s,5.8
GCMT XI 29 11 10 29.7–.10 3.38S 145.71E 12 6.0W,5.8
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=8.1km az=97.0.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=99.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$0.13 $M_{r\theta}$0.88 $M_{\theta\phi}$9.00 $M_{\phi r}$-1.04 Best double couple: NP1:ϕ_s269.00000°,δ84.00000°,λ-5.00000°. NP2:ϕ_s359.00000° ,δ85.00000°,λ-174.00000°. Principal axes: T 8.8300,Plg1.0000°,Azm134.0000° ; N 0.5500,Plg82.0000°,Azm37.0000°; P -9.3800,Plg8.0000°,Azm224.0000° $M_0$9.10000×10^{17}
MOS Error ellipse: s-maj=9.0km s-min=6.4km az=103.2.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=177.5.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.58 $M_{\theta\theta}$0.42 $M_{\phi\phi}$2.15 $M_{r\theta}$0.78 $M_{\theta\phi}$8.95 $M_{\phi r}$-3.06 Best double couple: NP1:ϕ_s360.00000° ,δ79.00000°,λ-157.00000°. NP2:ϕ_s265.00000°,δ68.00000°,λ-11.00000°. Principal axes: T 10.5000,Plg7.0000°,Azm131.0000°; N -1.7000,Plg65.0000°,Azm23.0000° ; P -8.8000,Plg23.0000°,Azm224.0000° $M_0$9.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c279; s151,c526; Duration: 2ᵴ5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.01±.01 $M_{\theta\theta}$-0.08±.01; $M_{\phi\phi}$0.07±.01; $M_{r\theta}$0.25±.02; $M_{\theta\phi}$1.36±.01; $M_{\phi r}$-0.05±.02; Best double couple: NP1:ϕ_s268.00000°,δ88.00000° ,λ-10.00000°. NP2:ϕ_s359.00000°,δ80.00000°,λ-178.00000°. Principal axes: T 1.3690,Plg6.0000°,Azm314.0000°; N 0.0340,Plg79.0000°,Azm77.0000° ; P -1.4030,Plg9.0000°,Azm223.0000° $M_0$1.38600×10^{18}
ISC XII 08 23 06 02.6–.99 3.44S–.10 145.4E–.20 23 4.2b,3.4s 11 5-97
IDC XII 08 23 05 58.9–1.4 3.38S 145.42E 0 4.3,4.1 **¶602068751**
ISCJB XII 08 23 06 00.6–.85 3.48S–.07 145.5E–.10 23 4.1b,3.5s
NEIC XII 08 23 06 04.2–.67 3.45S 145.39E 35 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=22.4km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=9.0km az=164.2.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.6km az=92.0.
ISC XII 09 02 50 49.7–.48 3.52S–.05 145.47E–.08 23 4.7b,4.2s 122 5-99
IDC XII 09 02 50 45.2–.75 3.38S 145.38E 0 4.6,4.4 **¶602032216**
ISCJB XII 09 02 50 47.8–.28 3.48S–.04 145.39E–.05 23 4.6b,4.2s
BJI XII 09 02 50 49.5 3.12S 145.73E 27 5.0b,4.8s
GCMT XII 09 02 50 49.1–.20 3.41S–.01 145.42E–.01 12 5.0W,4.8s
NEIC XII 09 02 50 51.1–.26 3.43S 145.31E 35 4.6b,4.8s
DJA XII 09 02 50 52.9–.60 3S–4.0 145E–4.0 44–6 5.3b,5.1
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c39; s101,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.14±.10 $M_{\theta\theta}$-0.33±.10; $M_{\phi\phi}$-0.81±.10; $M_{r\theta}$0.86±.30; $M_{\theta\phi}$3.73±.07; $M_{\phi r}$-0.27±.27; Best double couple: NP1:ϕ_s93.00000°,δ87.00000°,λ14.00000°. NP2:ϕ_s2.00000°,δ76.00000°,λ177.00000°. Principal axes: T 3.2620,Plg12.0000° ,Azm318.0000°; N 1.1550,Plg75.0000°,Azm104.0000°; P -4.4210,Plg8.0000°,Azm226.0000° $M_0$3.84100×10^{16}
NEIC Event type se.
IDC XII 09 03 44 54.3–1.6 3.11S 145.22E 0 3.8L,3.7
¶602390875

IDC Error ellipse: s-maj=90.9km s-min=26.4km az=121.0.
ISC XII 14 09 36 08.9–.87 4.6S–.10 144.2E–.10 110 3.5b 12 4-142
ISCJB XII 14 09 36 07.6–.75 4.59S–.09 144.1E–.10 110 3.5b **¶602391309**
IDC XII 14 09 36 09.0–1.8 4.58S 144.15E 111–17 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=7.1km az=140.7.
IDC Error ellipse: s-maj=28.0km s-min=11.2km az=54.0.
ISC XII 16 17 06 35.3–.46 4.51S–.07 144.09E–.07 110 4.0b 44 4-149
ISCJB XII 16 17 06 33.7–.40 4.51S–.05 144.11E–.05 110 4.0b **¶602320155**
NEIC XII 16 17 06 35.0–.71 4.47S 144.08E 105–7 4.3b
IDC XII 16 17 06 35.0–.57 4.44S 144.11E 103–5 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.6km az=146.8.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=60.0.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=71.0.
IDC XII 22 08 32 43.1–4.3 3.70S 144.06E 0 3.4,3.2
¶602391856

IDC Error ellipse: s-maj=140.4km s-min=30.7km az=96.0.
ISC XII 23 17 59 13.2–.62 3.41S–.08 145.73E–.10 23 4.4b,3.8s 44 5-143
IDC XII 23 17 59 09.3–.67 3.39S 145.67E 0 4.5,4.4 **¶602056925**
ISCJB XII 23 17 59 10.8–.49 3.40S–.06 145.93E–.07 23 4.3b,3.8s
NEIC XII 23 17 59 10.8–.43 3.40S 145.64E 10 4.2b,3.8s
GCMT XII 23 17 59 13.8–.30 3.39S–.02 145.55E–.03 12 4.8W,3.8s
DJA XII 23 17 59 19.7–1.1 4S–7.0 146E–8.0 64–7 5.1b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s60,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.09 $M_{\theta\theta}$0.13±.07; $M_{\phi\phi}$-0.20±.10; $M_{r\theta}$1.05±.27; $M_{\theta\phi}$1.77±.06; $M_{\phi r}$-0.07±.23; Best double couple: NP1:ϕ_s93.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_s3.00000°,δ59.00000°,λ179.00000°. Principal axes: T 2.0320,Plg22.0000° ,Azm322.0000°; N 0.0690,Plg59.0000°,Azm95.0000°; P -2.1010,Plg20.0000°,Azm224.0000° $M_0$2.06700×10^{16}
IDC XII 24 09 50 33.1–1.7 2.22S 141.16E 0 3.4,3.4L
¶602391988

IDC Error ellipse: s-maj=34.6km s-min=12.7km az=141.0.

(201) Irian Jaya.

ISC VII 14 17 18 17.8–.77 3.17S–.07 136.03E–.07 33 3.7b 13 1-87
IDC VII 14 17 18 12.8–1.4 3.04S 136.34E 0 3.7,3.6 **¶601664575**
ISCJB VII 14 17 18 16.8–.59 3.21S–.06 136.04E–.08 33 3.6b,3.6
DJA VII 14 17 18 18.8–.80 3S–10 136E–5.0 131–19 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA VII 17 17 47 37.2–2.7 2S–6.0 139E–3.0 21–27 4.2b,3.9
¶602027748
IDC VII 21 15 25 17.3–2.2 3.35S 139.01E 0 3.6,3.5
¶601664925

IDC Error ellipse: s-maj=85.8km s-min=22.0km az=87.0.
IDC VII 22 04 23 29.7–6.7 4.36S 139.71E 148–59 4.0,3.7
¶601664946

IDC Error ellipse: s-maj=51.8km s-min=14.2km az=94.0.
DJA VII 27 16 13 06.0–3.4 4S–7.0 141E–21 15–50 3.6,3.6
¶602028028
ISC VII 28 18 53 33.7–.75 3.47S–.07 140.56E–.09 35 3.7b 29 8-81
IDC VII 28 18 53 29.2–1.2 3.18S 140.51E 0 4.0L,3.9 **¶601666587**
NEIC VII 28 18 53 31.1–3.4 3.17S 140.73E 20–27 4.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=20.6km az=79.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.6km az=216.0.
IDC VII 30 20 36 29.9–4.2 4.30S 137.86E 188–44 4.0,3.5
¶601650788

IDC Error ellipse: s-maj=65.8km s-min=23.7km az=109.0.
ISC VII 31 10 16 45.2–.93 2.73S–.08 137.77E–.04 35 15 2-69
IDC VII 31 10 16 40.8–1.6 2.54S 137.76E 0 4.0,3.9L **¶601650814**
ISCJB VII 31 10 16 44.6–.60 2.69S–.08 137.75E–.05 35 3.6b,3.9L
DJA VII 31 10 16 46.2–1.8 2S–9.0 138E–3.0 29–17 4.4b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VII 31 19 37 16.5–1.7 4.80S 139.20E 0 3.7,3.5
¶601650845

IDC Error ellipse: s-maj=59.6km s-min=21.0km az=112.0.
ISC VIII 08 15 41 15.9–.68 3.14S–.07 139.68E–.06 100 3.5b 26 1-144
ISCJB VIII 08 15 41 15.3–.47 3.19S–.07 139.74E–.05 100 3.5b **¶601533178**
IDC VIII 08 15 41 16.3–.97 3.20S 139.74E 101–13 4.0,3.7
DJA VIII 08 15 41 17.7–.50 3S–6.0 140E–5.0 75–7 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 09 05 45 40.6–.86 3.2S–.10 139.6E–.10 100 3.3b 14 1-86
IDC VIII 09 05 45 37.1–4.1 2.75S 139.07E 60–47 3.9L,3.5 **¶601765685**
DJA VIII 09 05 45 46.5–.60 3S–7.0 140E–8.0 10 3.9,3.9
ISC Event type ke.
DJA VIII 11 12 59 23.6–1.1 4S–9.0 140E–13 27–32 3.8,3.8
¶602028319
ISC VIII 12 10 03 22.9–.58 4.26S–.06 139.70E–.07 35 3.8b 25 2-145
DJA VIII 12 10 03 26.7–.50 4S–2.0 140E–4.0 15–6 5.2b,5.0 **¶601765772**
IDC VIII 12 10 03 26.9–1.4 4.05S 139.99E 82–14 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=11.0km az=90.0.
IDC VIII 19 09 12 32.4–3.9 4.83S 140.83E 0 4.1,3.9
¶601766143

IDC Error ellipse: s-maj=115.5km s-min=32.7km az=95.0.
IDC VIII 23 06 43 23.5–1.2 4.81S 139.56E 0 3.7,3.7L
¶601766342

IDC Error ellipse: s-maj=46.4km s-min=13.0km az=106.0.
DJA VIII 28 09 33 47.9–1.7 4S–3.0 141E–6.0 15–17 5.4b,4.8
¶602028768
IDC VIII 29 19 56 33.1–1.2 3.56S 140.74E 0 3.8,3.8L
¶601755578

IDC Error ellipse: s-maj=38.3km s-min=11.0km az=92.0.
DJA VIII 31 14 05 10.1–2.4 3S–18 140E–12 18–25 3.8,3.8
¶602028854
DJA VIII 31 14 38 57.2–1.5 5S–9.0 139E–4.0 10 3.7,3.7
¶602028857
IDC IX 03 21 44 18.1–1.4 3.88S 139.89E 0 3.7,3.5
¶601862883

IDC Error ellipse: s-maj=53.1km s-min=12.9km az=121.0.
ISC IX 04 02 37 20.1–.95 3.6S–.10 140.2E–.30 35 4.1b 9 1-86
IDC IX 04 02 37 14.9–1.2 3.58S 140.12E 0 4.1,4.0 **¶601862901**
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=15.2km az=112.0.
ISC IX 06 06 46 32.8–.47 3.65S–.03 140.32E–.04 30–2 5.2s,5.2b 338 1-170
IDC IX 06 06 46 27.6–.46 3.61S 140.35E 0 5.1,5.1s **¶601687346**
ISCJB IX 06 06 46 31.1–.81 3.67S–.02 140.38E–.02 33–5 5.2s,5.0b
MOS IX 06 06 46 32.2–1.2 3.58S 140.36E 43 5.2b,5.0s
DJA IX 06 06 46 32.0–.30 4S–2.0 141E–3.0 38–3 5.8b,5.7
NEIC IX 06 06 46 33.9–.64 3.66S 140.25E 42–6 5.4b,5.3s
GCMT IX 06 06 46 33.9–.10 3.51S–.01 140.43E–.01 31–0 5.6W,5.3s
BJI IX 06 06 46 35.4 3.03S 140.26E 35 5.4b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=8.7km az=94.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.6km az=155.7.
MOS Error ellipse: s-maj=11.1km s-min=5.9km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.3km az=73.0. Felt [III] at Jayapura and [II] at Genyem.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c217; s131,c229; Duration: 1ᵴ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.20±.04 $M_{\theta\theta}$-2.10±.03; $M_{\phi\phi}$-0.09±.03; $M_{r\theta}$-2.39±.07; $M_{\theta\phi}$0.70±.03; $M_{\phi r}$1.52±.07; Best double couple: NP1:ϕ_s299.00000°,δ71.00000° ,λ98.00000°. NP2:ϕ_s96.00000°,δ21.00000°,λ68.00000°. Principal axes: T 3.6140,Plg63.0000°,Azm222.0000°; N 0.0270,Plg8.0000°,Azm117.0000° ; P -3.6380,Plg26.0000°,Azm23.0000° $M_0$3.62600×10^{17}
IDC IX 06 06 51 11.6–6.8 3.04S 139.90E 32–50 4.9L,4.7
¶601863031

IDC Error ellipse: s-maj=121.6km s-min=23.2km az=117.0.
ISC IX 06 07 32 47.6–1.1 3.53S–.08 140.5E–.10 39 10 1-75
DJA IX 06 07 32 45.0–2.3 4S–5.0 141E–11 18–26 4.1,4.1 **¶601863032**
IDC IX 06 07 32 45.9–4.7 3.48S 140.42E 21–40 4.2,4.0
ISCJB IX 06 07 32 46.2–.90 3.58S–.05 140.50E–.08 39 3.9s,3.5b
ISC Event type ke.
ISCJB Event type ke.
DJA IX 06 07 45 00.0–1.7 4S–6.0 141E–10 13–21 4.0,4.0
¶602029269
DJA IX 06 12 07 28.7–1.1 4S–5.0 141E–7.0 10 3.8,3.8
¶602029286
IDC IX 14 08 09 09.5–1.4 2.61S 138.93E 0 3.4,3.3
¶601863515

IDC Error ellipse: s-maj=29.7km s-min=15.6km az=175.0.
IDC IX 14 17 15 07.2–1.5 2.51S 138.96E 0 3.6,3.4
¶601863539

IDC Error ellipse: s-maj=30.7km s-min=16.0km az=177.0.
IDC IX 14 17 28 23.5–1.1 2.58S 138.98E 0 3.7,3.5L
¶601863540

IDC Error ellipse: s-maj=25.1km s-min=13.2km az=175.0.
ISC IX 16 12 50 45.6–.29 2.73S–.05 138.79E–.04 37 5.0b 221 1-152
BJI IX 16 12 50 41.5 3.04S 139.27E 58 5.3b,5.0s **¶601717981**
ISCJB IX 16 12 50 43.5–.18 2.71S–.03 138.81E–.03 37 4.9b,5.0s
IDC IX 16 12 50 46.7–2.0 2.77S 138.77E 53–18 4.7,4.5L
NEIC IX 16 12 50 47.9–.54 2.74S 138.73E 66–5 4.9b,4.5L
DJA IX 16 12 50 48.6–.20 3S–4.0 139E–2.0 66–3 5.4,5.3b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Sarmi.
IDC IX 17 18 50 16.4–2.9 3.08S 139.72E 0 3.8,3.6
¶601863721

IDC Error ellipse: s-maj=83.0km s-min=11.4km az=140.0.
ISC IX 17 20 47 32.4–.56 4.31S–.06 139.56E–.08 37 3.8b 25 2-146
ISCJB IX 17 20 47 31.4–.57 4.35S–.05 139.50E–.08 37 3.8b **¶601863727**
DJA IX 17 20 47 35.1–1.3 4S–9.0 140E–6.0 10 4.6,4.6
IDC IX 17 20 47 36.8–1.3 4.03S 139.92E 83–13 4.1,3.9
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.8km az=22.9.
IDC Error ellipse: s-maj=17.1km s-min=11.6km az=92.0.
ISC IX 20 03 46 46.7–.77 4.45S–.08 138.4E–.10 150 3.4b 14 3-74
ISCJB IX 20 03 46 45.1–.65 4.44S–.06 138.38E–.09 150 3.4b **¶601863866**
IDC IX 20 03 46 46.7–1.4 4.34S 138.40E 154–20 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.2km az=28.9.
IDC Error ellipse: s-maj=20.9km s-min=18.0km az=115.0.
IDC IX 23 13 16 00.5–2.0 3.52S 140.43E 0 3.6,3.4
¶601864038
IDC Error ellipse: s-maj=79.8km s-min=17.0km az=107.0.
IDC IX 24 05 49 47.6–5.3 3.65S 140.79E 0 3.4L,3.3
¶601864078
IDC Error ellipse: s-maj=213.9km s-min=13.4km az=93.0.
ISC IX 26 14 59 35.3–.79 3.35S–.10 137.84E–.07 82 12 2-87
DJA IX 26 14 59 32.3–2.3 3S–26 138E–7.0 152–34 4.0,4.0 **¶601864211**
ISCJB IX 26 14 59 33.8–.65 3.27S–.08 137.80E–.05 82 3.3b,4.0
IDC IX 26 14 59 34.4–1.7 3.29S 137.83E 58–21 3.8,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.5km az=176.8.
IDC Error ellipse: s-maj=22.1km s-min=12.8km az=170.0.
ISC X 03 00 07 11.6–.89 4.2S–.10 138.6E–.20 100 13 2-87
DJA X 03 00 07 14.6–1.6 3S–9.0 138E–15 21–27 4.4,4.4 **¶601996866**
IDC X 03 00 07 15.3–2.6 3.89S 138.75E 128–32 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=59.4km s-min=21.0km az=114.0.
ISC X 06 12 33 09.9–1.5 4.40S–.08 140.6E–.20 35 12 2-72
DJA X 06 12 33 13.7–2.1 4S–4.0 141E–6.0 29–22 4.3,4.2 **¶601997270**
IDC X 06 12 33 14.5–2.3 4.04S 140.70E 92–23 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=81.0km s-min=19.7km az=95.0.
ISC X 10 11 38 59.9–.32 3.59S–.04 139.18E–.04 35 4.9b,3.8s 162 1-150
BJI X 10 11 38 55.5 3.88S 139.30E 30 5.0b,4.8s **¶601819631**
MOS X 10 11 38 57.7–.87 3.52S 139.13E 32 5.1b,4.8s
ISCJB X 10 11 38 58.2–.22 3.59S–.03 139.24E–.03 35 4.7b,3.8s
NEIC X 10 11 38 59.9–.18 3.52S 139.15E 35 4.9b,3.8s
IDC X 10 11 38 59.7–4.2 3.51S 139.16E 33–32 4.7L,4.5
DJA X 10 11 39 02.0–.40 4S–2.0 139E–2.0 17–5 5.4,5.4b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Wamena and [II] at Genyem.
ISC X 14 22 04 30.2–.94 3.74S–.09 140.1E–.20 56 3.6b 11 1-86
IDC X 14 22 04 24.9–1.2 3.55S 140.00E 0 3.9,3.8 **¶601998264**
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=13.0km az=129.0.
ISC X 15 16 35 39.5–.37 3.24S–.05 137.09E–.04 100 4.2b 110 3-129
BJI X 15 16 35 31.4 3.59S 137.58E 69 5.2b,4.7b **¶601834643**
IDC X 15 16 35 38.0–.70 3.18S 137.13E 76–6 4.3,4.1
NEIC X 15 16 35 37.9–.26 3.23S 137.00E 76 4.6b,4.1
ISCJB X 15 16 35 38.4–.25 3.31S–.04 137.07E–.03 100 4.3b,4.1
DJA X 15 16 35 38.6–.20 3S–3.0 137E–2.0 77–5 5.5b,5.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 19 09 28 15.1–.79 4.14S–.10 140.5E–.20 59 13 2-145
ISCJB X 19 09 28 14.1–.91 4.12S–.08 140.6E–.20 59 3.4b **¶601998913**
IDC X 19 09 28 14.8–3.3 4.11S 140.70E 59–37 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.2km s-min=7.9km az=13.9.
IDC Error ellipse: s-maj=69.7km s-min=13.8km az=110.0.
IDC X 19 10 10 00.8–1.5 3.52S 140.61E 0 3.6,3.5b
¶601998921
IDC Error ellipse: s-maj=117.0km s-min=15.9km az=97.0.
DJA X 21 17 25 33.3–2.3 4S–7.0 141E–11 21–27 4.1,4.1
¶601999192
ISC X 25 18 57 07.0–.29 3.96S–.03 140.36E–.04 35 4.7b,4.1s 259 1-159
IDC X 25 18 57 01.6–.41 3.91S 140.38E 0 4.6,4.6L **¶601847474**
MOS X 25 18 57 03.9–1.2 3.89S 140.29E 26 4.8b,4.6L
BJI X 25 18 57 05.1 4.20S 140.43E 43 5.1b,5.0s
ISCJB X 25 18 57 05.3–.19 3.94S–.02 140.41E–.02 35 4.7b,4.2s
DJA X 25 18 57 05.2–.70 4S–2.0 140E–2.0 12–5 5.5,5.2b
NEIC X 25 18 57 06.2–1.8 3.91S 140.35E 28–12 5.0b,5.2b
GCMT X 25 18 57 06.2–.20 4.00S–.01 140.41E–.02 20–1 4.9W,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c18; s79,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.36±.15 $M_{\theta\theta}$-2.77±.12; $M_{\phi\phi}$2.41±.11; $M_{r\theta}$-1.45±.24; $M_{\theta\phi}$0.40±.07; $M_{\phi r}$-0.19±.20; Best double couple: NP1:ϕ_s49.00000°,δ82.00000°,λ-22.00000°. NP2:ϕ_s142.00000°,δ68.00000°,λ-172.00000°. Principal axes: T 2.4930,Plg10.0000° ,Azm97.0000°; N 0.8640,Plg67.0000°,Azm210.0000°; P -3.3540,Plg21.0000°,Azm3.0000° M_o2.92400×10^{16}
ISC X 27 03 27 39.6–.97 4.1S–.10 140.1E–.20 35 9 2-146
IDC X 27 03 27 37.2–1.1 3.89S 140.55E 0 4.0,3.8 **¶601999796**
ISCJB X 27 03 27 39.1–1.0 3.9S–.10 140.0E–.20 35 3.5b,2.8s
ISC Event type ke.
ISCJB Event type ke.
ISC X 27 04 06 49.9–.31 4.15S–.04 140.29E–.05 35 4.8b,3.9s 175 2-159
IDC X 27 04 06 44.6–.42 3.93S 140.34E 0 4.9L,4.6 **¶601852486**
DJA X 27 04 06 46.8–.30 4S–3.0 140E–4.0 10 6.3,6.0
MOS X 27 04 06 47.6–.92 3.98S 140.29E 33 4.7b,6.0
BJI X 27 04 06 48.2 4.28S 140.62E 47 5.2b,4.8b
GCMT X 27 04 06 48.6–.30 3.91S–.02 140.41E–.02 27–1 4.9W,4.8b
ISCJB X 27 04 06 48.2–.20 4.12S–.03 140.34E–.03 35 4.7b,3.9s
NEIC X 27 04 06 50.6–.73 4.08S 140.27E 43–7 4.9b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=15.5km s-min=9.3km az=88.0.
MOS Error ellipse: s-maj=13.1km s-min=6.7km az=100.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s74,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$-1.63±.10; $M_{\phi\phi}$1.11±.12; $M_{r\theta}$-1.71±.23; $M_{\theta\phi}$1.57±.07; $M_{\phi r}$0.03±.20; Best double couple: NP1:ϕ_s254.00000°,δ87.00000°,λ40.00000°. NP2:ϕ_s161.00000°,δ50.00000°,λ175.00000°. Principal axes: T 2.2210,Plg30.0000° ,Azm126.0000°; N 0.8290,Plg50.0000°,Azm259.0000°; P -3.0520,Plg24.0000°,Azm21.0000° M_o2.63700×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=5.5.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.4km az=72.0. Felt [III] at Wamena.
IDC X 27 10 14 00.9–2.0 3.65S 140.26E 69–41 3.8,3.7
¶601999822
IDC Error ellipse: s-maj=78.5km s-min=27.5km az=125.0.
IDC X 30 17 41 26.4–1.3 3.67S 139.27E 0 3.3,3.2
¶602000517
IDC Error ellipse: s-maj=38.4km s-min=14.2km az=136.0.
ISC X 31 13 47 32.1–.98 3.4S–.10 139.7E–.20 46 9 1-75
IDC X 31 13 47 27.2–1.2 3.11S 139.52E 0 3.9,3.7 **¶602000625**
ISCJB X 31 13 47 30.9–.92 3.2S–.10 139.6E–.10 46 3.5b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 06 13 43 29.1–.81 3.27S–.08 136.10E–.07 33 11 5-87
IDC XI 06 13 43 24.8–1.2 3.02S 136.14E 0 3.9,3.7 **¶602388914**
ISCJB XI 06 13 43 27.2–.66 3.20S–.06 136.10E–.05 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 12 19 10 04.1–1.6 2.31S 138.99E 0 3.3,3.3L
¶602389304
IDC Error ellipse: s-maj=30.2km s-min=14.8km az=4.0.
ISC XI 13 04 26 18.7–.47 2.49S–.04 138.75E–.05 10 4.2b 50 0-87
ISCJB XI 13 04 26 17.5–.31 2.42S–.03 138.78E–.04 10 4.2b,3.0s **¶602059947**
IDC XI 13 04 26 17.6–.61 2.38S 138.81E 0 4.2,4.1
NEIC XI 13 04 26 19.4–3.5 2.39S 138.80E 12–22 4.3b,4.1
DJA XI 13 04 26 20.8–1.1 2S–24 139E–7.0 19–17 4.2,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 13 06 44 17.3–.38 3.13S–.04 139.72E–.05 46 4.7b 111 1-147
IDC XI 13 06 44 11.3–.53 2.99S 139.61E 0 4.8L,4.6 **¶601890539**
ISCJB XI 13 06 44 15.7–.24 3.07S–.03 139.74E–.03 46 4.6b,3.6s
BJI XI 13 06 44 15.4 3.07S 140.03E 48 5.1b,5.0b
NEIC XI 13 06 44 16.9–.92 3.01S 139.66E 41–9 4.8b,5.0b
DJA XI 13 06 44 18.3–.30 3S–7.0 140E–4.0 59–6 5.2b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 15 05 24 55.1–1.2 2.57S 138.99E 0 3.8,3.6
¶602389434
IDC Error ellipse: s-maj=27.7km s-min=23.6km az=168.0.
ISC XI 15 16 58 59.2–.57 3.54S–.05 140.18E–.06 35 4.7b 44 1-86
ISCJB XI 15 16 58 57.8–.38 3.53S–.03 140.22E–.05 35 4.7b,3.4s **¶602056709**
IDC XI 15 16 58 58.7–1.7 3.43S 140.36E 33–16 4.1,4.1
NEIC XI 15 16 58 59.8–1.1 3.40S 140.09E 43–11 4.4b,4.1
DJA XI 15 16 58 59.7–1.0 3S–4.0 140E–5.0 26–11 4.2,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 19 14 51 27.2–.71 3.57S–.06 140.41E–.07 39 3.4s 21 1-86
DJA XI 19 14 51 21.4–1.8 4S–5.0 141E–14 35–15 4.8b,4.6b **¶602389673**
IDC XI 19 14 51 24.6–2.7 3.43S 140.21E 24–22 4.0,4.0
ISCJB XI 19 14 51 26.6–.52 3.54S–.04 140.45E–.05 39 3.5s,3.4b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 24 15 49 14.2–4.8 4.69S 138.49E 40–76 3.4,3.4b
¶602389941
IDC Error ellipse: s-maj=56.3km s-min=17.3km az=112.0.
ISC XI 27 11 58 18.2–.23 2.71S–.03 138.76E–.04 35 5.2b,3.9s 625 1-152
ISCJB XI 27 11 58 16.4–.12 2.68S–.02 138.80E–.02 35 5.1b,3.9s **¶601994810**
BJI XI 27 11 58 16.3 2.91S 139.20E 61 5.2b,5.1b
MOS XI 27 11 58 17.0–.87 2.67S 138.71E 41 5.3b,5.1b
NEIC XI 27 11 58 19.4–.32 2.71S 138.75E 51–3 5.2b,5.1b
IDC XI 27 11 58 19.9–1.4 2.67S 138.79E 50–13 4.9,4.7
GCMT XI 27 11 58 21.4–.30 2.66S–.02 138.80E–.02 46–1 5.0W,4.7
DJA XI 27 11 58 21.1–.40 3S–3.0 139E–2.0 37–5 5.5,5.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c49; s67,c84;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.52±.16 $M_{\theta\theta}$-0.95±.11; $M_{\phi\phi}$-1.58±.12; $M_{r\theta}$1.62±.10; $M_{\theta\phi}$1.44±.08; $M_{\phi r}$-1.68±.12; Best double couple: NP1:ϕ_s138.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s325.00000°,δ24.00000°,λ97.00000°. Principal axes: T 3.4120,Plg69.0000° ,Azm41.0000°; N 0.2010,Plg3.0000°,Azm139.0000°; P -3.6190,Plg21.0000°,Azm230.0000° M_o3.51600×10^{16}
ISC XI 27 20 44 44.6–.74 3.16S–.06 136.65E–.08 32 27 4-69
ISCJB XI 27 20 44 42.5–.63 3.06S–.05 136.59E–.06 32 **¶602311680**
NEIC XI 27 20 44 44.0–1.3 2.87S 136.59E 35 4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=154.6.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=13.9km az=29.0.
ISC XI 28 05 57 04.5–.90 3.1S–.10 140.2E–.20 35 3.9b 12 1-86
IDC XI 28 05 57 01.1–.90 2.78S 139.93E 0 4.3L,4.2 **¶602390093**
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=9.6km az=160.0.
IDC XII 01 10 34 02.8–1.0 3.61S 140.62E 194–10 3.8,3.5
¶602390273
IDC Error ellipse: s-maj=60.5km s-min=19.9km az=110.0.
IDC XII 01 13 16 28.6–1.4 3.60S 139.80E 84–21 3.7s,3.7
¶602390277
IDC Error ellipse: s-maj=37.6km s-min=18.0km az=130.0.
ISC XII 04 03 28 46.6–.90 3.5S–.10 138.84E–.09 73 9 2-70
ISCJB XII 04 03 28 45.6–.71 3.38S–.08 138.79E–.07 73 3.2b **¶602390426**
IDC XII 04 03 28 47.4–1.7 3.34S 138.86E 74–25 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=7.8km az=147.4.
IDC Error ellipse: s-maj=22.8km s-min=15.8km az=138.0.
IDC XII 09 14 29 48.6–2.3 3.55S 140.83E 0 3.7L,3.6
¶602390905
IDC Error ellipse: s-maj=64.3km s-min=11.7km az=93.0.
IDC XII 11 22 19 15.7–1.4 3.27S 140.15E 0 3.5,3.3
¶602391127
IDC Error ellipse: s-maj=53.7km s-min=12.5km az=125.0.
IDC XII 15 15 18 33.9–1.2 2.44S 138.96E 0 3.7,3.5L
¶602391392
IDC Error ellipse: s-maj=26.4km s-min=14.3km az=3.0.
ISC XII 19 17 41 23.4–.61 4.78S–.06 139.4E–.10 38 3.7b 29 2-146
DJA XII 19 17 41 09.2–1.9 4S–4.0 138E–6.0 16–16 5.0,4.9 **¶602355650**
IDC XII 19 17 41 19.1–1.1 4.67S 139.19E 0 4.3L,4.2
ISCJB XII 19 17 41 21.3–.47 4.84S–.05 139.34E–.10 38 3.7b,2.7s
NEIC XII 19 17 41 23.3–.58 4.72S 139.31E 35 4.7b,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=19.4km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.0km az=15.4.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.8km az=93.0.
ISC XII 21 01 56 39.5–.94 3.7S–.10 139.3E–.20 37 8 2-144
IDC XII 21 01 56 39.6–3.8 3.36S 139.47E 35–37 3.9L,3.7 **¶602391768**
ISC Event type ke.
IDC Error ellipse: s-maj=58.6km s-min=18.0km az=119.0.
IDC XII 23 22 20 37.5–3.0 3.60S 140.68E 0 3.8L,3.7
¶602391946
IDC Error ellipse: s-maj=109.9km s-min=11.9km az=99.0.
ISC XII 25 08 24 57.1–.76 3.61S–.05 140.43E–.09 35 19 1-146
ISCJB XII 25 08 24 55.7–.73 3.80S–.05 140.37E–.07 35 3.4b **¶602380577**
IDC XII 25 08 24 57.6–1.7 3.60S 140.36E 59–18 4.0,3.9
DJA XII 25 08 24 58.0–2.0 4S–3.0 140E–4.0 23–18 5.3b,4.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 29 05 40 45.4–.89 2.23S–.09 138.77E–.08 10 18 2-69
IDC XII 29 05 40 44.0–1.4 2.05S 138.83E 0 4.1L,3.9 **¶602335538**
NEIC XII 29 05 40 50.2–.72 2.23S 138.72E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=14.8km az=9.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.5km az=83.0.

(202) New Guinea.

IDC VII 08 22 25 37.2–17 5.97S 144.54E 252–167 3.4,2.9
¶601664312
IDC Error ellipse: s-maj=84.3km s-min=37.9km az=50.0.
ISC VII 19 05 03 28.0–.53 4.41S–.05 143.41E–.08 112–5 4.5b 87 5-150
BJI VII 19 05 03 21.7 4.88S 143.84E 110 5.0b,4.8b **¶601405509**
ISCJB VII 19 05 03 27.1–1.1 4.35S–.04 143.39E–.06 119–11 4.5b,4.8b
NEIC VII 19 05 03 27.6–.28 4.28S 143.35E 111 4.6b,4.8b
IDC VII 19 05 03 27.4–.52 4.30S 143.46E 113–4 4.5,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=8.7.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=87.0.
IDC Error ellipse: s-maj=16.7km s-min=8.0km az=83.0.
IDC VII 20 16 04 59.8–2.2 6.27S 145.88E 0 3.4,3.3L
¶601664876
IDC Error ellipse: s-maj=56.1km s-min=26.8km az=75.0.
IDC VII 28 16 05 20.5–5.6 4.36S 142.51E 194–51 4.4,3.8
¶601666580
IDC Error ellipse: s-maj=94.5km s-min=29.9km az=30.0.
DJA VIII 15 13 43 35.8–2.0 4S–15 141E–37 18–51 3.8,3.8

¶602028412
ISC VIII 19 14 17 48.1–.36 4.33S–.05 143.86E–.06 110 4.6b 119 4-150
ISCJB VIII 19 14 17 46.3–.25 4.29S–.03 143.94E–.04 110 4.6b ¶601565902
IDC VIII 19 14 17 48.7–1.3 4.28S 143.91E 117–11 4.6,4.2
BJI VIII 19 14 17 48.4 4.38S 144.16E 143 4.8b,4.7b
DJA VIII 19 14 17 50.9–.60 4S–7.0 144E–6.0 138–5 5.0,5.0b
NEIC VIII 19 14 17 51.3–.61 4.29S 143.80E 143–6 4.6b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.5km az=167.9.
IDC Error ellipse: s-maj=14.2km s-min=8.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=91.0.
IDC VIII 20 10 50 18.3–3.8 4.52S 141.67E 86–30 3.6,3.4
¶601766187
IDC Error ellipse: s-maj=62.7km s-min=20.0km az=100.0.
IDC VIII 21 16 20 33.7–3.6 4.11S 141.96E 116–29 3.5,3.3
¶601766261
IDC Error ellipse: s-maj=51.2km s-min=17.4km az=97.0.
ISC VIII 23 07 34 20.2–1.4 5.2S–.10 143.5E–.20 101 3.6b 8 4-86
IDC VIII 23 07 34 08.0–1.5 4.92S 143.68E 0 4.1,4.0L ¶601766345
ISCJB VIII 23 07 34 18.8–1.3 5.2S–.10 143.5E–.20 101 3.7b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 20 41 37.2–.72 6.64S–.04 143.63E–.05 29–4 4.9b,4.1s 228 4-149
IDC IX 01 20 41 32.9–.43 6.48S 143.76E 0 4.6,4.6b ¶601670040
BJI IX 01 20 41 33.3 6.47S 144.22E 25 5.1b,4.7b
MOS IX 01 20 41 34.8–.94 6.52S 143.73E 24 5.0b,4.7b
NEIC IX 01 20 41 37.3–1.3 6.53S 143.64E 29–9 5.0b,4.7b
ISCJB IX 01 20 41 37.1–.70 6.55S–.03 143.76E–.03 42–6 4.8b,4.1s
DJA IX 01 20 41 42.1–.40 7S–3.0 144E–3.0 76–4 5.4,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 08 01 34 35.4–6.2 3.93S 141.97E 136–63 3.8,3.6
¶601863139
IDC Error ellipse: s-maj=110.0km s-min=21.4km az=100.0.
IDC IX 11 07 26 37.6–5.4 3.97S 141.59E 151–57 3.6,3.3
¶601863339
IDC Error ellipse: s-maj=128.7km s-min=23.3km az=102.0.
ISC IX 20 17 06 27.7–.95 6.90S–.08 144.46E–.09 24 3.7b 14 4-78
IDC IX 20 17 06 22.0–1.2 6.48S 144.66E 0 3.8,3.7L ¶601863902
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=18.6km az=81.0.
ISC IX 20 22 51 35.7–.89 6.96S–.08 143.43E–.08 35 11 4-76
IDC IX 20 22 51 31.3–1.4 6.90S 143.49E 0 3.8,3.7 ¶601863919
ISCJB IX 20 22 51 33.8–.77 6.83S–.06 143.56E–.06 33 3.6b,2.7s
ISC Event type ke.
ISCJB Event type ke.
IDC X 14 10 25 21.0–24 4.47S 142.29E 0 4.1,4.1s
¶601998205
IDC Error ellipse: s-maj=409.2km s-min=113.1km az=164.0.
IDC X 16 11 09 46.9–2.4 4.39S 142.37E 0 3.7,3.6L
¶601998501
IDC Error ellipse: s-maj=62.9km s-min=22.5km az=98.0.
ISC X 26 17 36 29.0–1.7 4.43S–.08 141.3E–.20 35 7 2-41
IDC X 26 17 36 24.4–2.2 4.50S 141.40E 0 3.6,3.5L ¶601999760
ISCJB X 26 17 36 27.4–1.5 4.46S–.07 141.2E–.20 33 3.4b,3.5L
ISC Event type ke.
ISCJB Event type ke.
IDC X 27 05 12 43.1–23 4.03S 141.39E 0 3.4,3.4b
¶601999805
IDC Error ellipse: s-maj=393.4km s-min=121.9km az=161.0.
ISC X 28 16 33 32.7–1.4 4.77S–.07 141.5E–.20 35 3.8b 14 2-87
ISCJB X 28 16 33 31.5–1.2 4.63S–.06 141.5E–.10 33 3.8b ¶602000101
IDC X 28 16 33 38.1–2.8 4.46S 141.30E 77–20 3.8,3.6
DJA X 28 16 33 41.9–2.6 4S–4.0 141E–10 12–21 5.0b,4.9b
ISC Event type ke.
ISCJB Event type ke.
IDC X 29 21 53 49.1–3.8 4.31S 143.95E 137–27 3.5,3.2
¶602000364
IDC Error ellipse: s-maj=35.9km s-min=17.4km az=100.0.
ISC XI 03 00 12 28.5–.69 4.44S–.08 143.6E–.10 103 3.8b 22 3-148
ISCJB XI 03 00 12 27.6–.70 4.40S–.07 143.6E–.10 103 3.7b ¶602388745
IDC XI 03 00 12 27.1–2.0 4.39S 143.63E 83–16 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=9.2km az=6.0.
IDC Error ellipse: s-maj=22.5km s-min=11.6km az=96.0.
ISC XI 03 02 08 23.1–.43 5.65S–.06 142.06E–.08 25 4.8b 74 3-151
ISCJB XI 03 02 08 21.2–.32 5.64S–.04 142.10E–.05 25 4.7b,3.4s ¶601869843
DJA XI 03 02 08 23.5–.70 6S–4.0 142E–7.0 10 5.3,5.0b
NEIC XI 03 02 08 25.4–.91 5.55S 142.03E 44–9 4.5b,5.0b
IDC XI 03 02 08 26.1–2.1 5.53S 142.25E 47–20 4.5,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.4km az=3.7.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.6km az=80.0. Felt at Kiunga.
IDC Error ellipse: s-maj=29.0km s-min=15.7km az=79.0.
ISC XI 05 16 12 16.2–.49 4.17S–.04 142.20E–.05 106–4 4.3b 97 2-144
DJA XI 05 16 12 14.5–1.1 4S–4.0 142E–10 95–6 5.2b,5.0 ¶601874320
ISCJB XI 05 16 12 15.6–.58 4.18S–.03 142.16E–.05 117–5 4.3b,5.0
NEIC XI 05 16 12 15.9–.32 4.12S 142.15E 108 4.5b,5.0
IDC XI 05 16 12 16.2–.61 4.11S 142.09E 110–6 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=158.1.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.4km az=78.0.
IDC Error ellipse: s-maj=11.0km s-min=7.8km az=69.0.
ISC XI 06 17 30 02.7–.46 5.69S–.05 141.15E–.06 35 4.5b,3.3s 65 3-152
IDC XI 06 17 29 57.6–.76 5.43S 141.42E 0 4.3,4.2 ¶601881266
ISCJB XI 06 17 30 00.9–.41 5.67S–.03 141.21E–.06 33 4.5b,3.3s
NEIC XI 06 17 30 03.1–.99 5.58S 141.26E 41–9 4.5b,3.3s
DJA XI 06 17 30 05.3–.50 6S–4.0 141E–8.0 78–10 4.9,4.8
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kiunga.
IDC XI 10 03 57 36.9–1.8 4.97S 143.20E 0 3.8,3.6L
¶602389132
IDC Error ellipse: s-maj=51.8km s-min=29.4km az=102.0.
ISC XI 15 01 03 46.4–1.2 3.9S–.10 141.8E–.20 10 3.8b 10 2-86
ISCJB XI 15 01 03 45.0–.94 3.92S–.08 141.8E–.20 10 3.5b ¶602389423
IDC XI 15 01 03 44.8–1.4 3.91S 141.93E 0 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=9.1km az=160.7.
IDC Error ellipse: s-maj=42.9km s-min=21.2km az=90.0.
ISC XI 18 05 21 04.3–.75 4.01S–.09 142.0E–.10 109 3.8b 16 2-147
ISCJB XI 18 05 21 02.8–.69 4.05S–.08 142.06E–.10 109 3.8b ¶602389602
IDC XI 18 05 21 05.4–1.7 4.01S 142.01E 120–15 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=7.2km az=144.0.
IDC Error ellipse: s-maj=22.1km s-min=14.2km az=111.0.
ISC XI 25 13 32 20.6–.50 5.16S–.06 145.00E–.07 100 4.4b 57 4-150
DJA XI 25 13 32 16.4–1.2 5S–11 145E–13 116–7 4.9b,4.9 ¶601994386
IDC XI 25 13 32 16.8–2.0 5.05S 145.10E 60–17 4.3,4.1
ISCJB XI 25 13 32 18.6–.38 5.14S–.04 145.03E–.05 100 4.2b,4.1
NEIC XI 25 13 32 19.8–.61 5.07S 144.91E 89–6 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=9.7km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.8km az=154.5.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.2km az=114.0.
ISC XI 29 16 49 28.6–.68 4.83S–.08 142.28E–.09 100 3.8b 17 3-147
ISCJB XI 29 16 49 27.7–.60 4.76S–.06 142.31E–.08 100 3.7b ¶602390171
IDC XI 29 16 49 29.5–1.9 4.71S 142.39E 105–18 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.3km az=168.1.
IDC Error ellipse: s-maj=20.4km s-min=16.9km az=71.0.
IDC XII 01 21 50 49.7–1.3 5.61S 142.50E 0 4.0,3.9b
¶602390300
IDC Error ellipse: s-maj=41.7km s-min=22.0km az=60.0.
IDC XII 02 01 50 40.5–4.8 5.82S 142.40E 0 3.4,3.4b
¶602390314
IDC Error ellipse: s-maj=137.8km s-min=27.4km az=86.0.
IDC XII 05 23 08 27.3–4.9 6.84S 143.38E 0 3.7,3.7b
¶602390524
IDC Error ellipse: s-maj=155.8km s-min=37.2km az=98.0.
ISC XII 06 06 11 42.2–.58 4.35S–.06 143.44E–.07 110–5 4.6b 87 3-152
ISCJB XII 06 06 11 42.0–.96 4.41S–.04 143.38E–.06 119–9 4.6b ¶601996114
IDC XII 06 06 11 42.2–.55 4.36S 143.43E 108–4 4.6,4.3
NEIC XII 06 06 11 43.0–1.0 4.39S 143.38E 115–9 4.7b,4.3
DJA XII 06 06 11 43.7–.90 4S–10 143E–9.0 94–10 5.0b,4.9
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Mendi.
IDC XII 08 10 14 06.5–1.6 6.72S 143.94E 0 3.6,3.4
¶602390803
IDC Error ellipse: s-maj=44.6km s-min=29.3km az=129.0.
ISC XII 08 16 46 01.2–.96 6.9S–.10 144.4E–.10 24 3.8b 8 4-87
IDC XII 08 16 45 57.5–1.1 6.81S 144.50E 0 4.2,4.0 ¶602390828
ISCJB XII 08 16 45 59.5–.82 6.9S–.10 144.37E–.10 24 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 20 39 00.8–.64 7.00S–.06 144.20E–.07 10 5.1b 33 4-78
ISCJB XII 08 20 38 59.1–.47 7.01S–.05 144.18E–.06 10 4.7b,3.3s ¶602330394
IDC XII 08 20 38 59.3–1.3 7.04S 144.20E 0 3.9b,3.9
NEIC XII 08 20 39 00.8–.49 6.99S 144.22E 10 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.6km az=145.9.
IDC Error ellipse: s-maj=32.0km s-min=23.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.2km az=85.0.
ISC XII 09 18 30 04.6–.28 3.55S–.04 141.13E–.05 35 5.1b,4.5s 315 1-148
IDC XII 09 18 29 59.2–.42 3.53S 141.19E 0 4.8,4.7 ¶602032234
GCMT XII 09 18 30 03.6–.30 3.60S–.02 141.15E–.02 23 5.0W,4.7
MOS XII 09 18 30 03.5–1.1 3.59S 141.15E 45 5.4b,4.7
ISCJB XII 09 18 30 03.0–.15 3.58S–.02 141.11E–.03 33 5.0b,4.4s
NEIC XII 09 18 30 04.6–.19 3.56S 141.12E 35 5.2b,5.0W
BJI XII 09 18 30 04.1 3.61S 141.46E 59 5.2b,4.9b
DJA XII 09 18 30 05.9–.70 3S–3.0 141E–4.0 33–5 5.6,5.5b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c46; s52,c67;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42±.14 $M_{\theta\theta}$0.47±.09; $M_{\phi\phi}$0.94±.10; $M_{r\theta}$-1.94±.15; $M_{\theta\phi}$-0.46±.07; $M_{r\phi}$3.94±.15; Best double couple: NP1:ϕ_s154.00000°,δ82.00000°,λ-89.00000°. NP2:ϕ_s326.00000°,δ8.00000°,λ-98.00000°. Principal axes: T 4.4850,Plg37.0000° ,Azm243.0000°; N 0.2020,Plg1.0000°,Azm333.0000°; P -4.6870,Plg53.0000°,Azm65.0000° $M_0$4.58600×10^{16}
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.21 $M_{\theta\theta}$1.24 $M_{\phi\phi}$0.97 $M_{r\theta}$0.00 $M_{\theta\phi}$-2.33 $M_{r\phi}$2.00 Best double couple: NP1:ϕ_s283.00000° ,δ41.00000°,λ-141.00000°. NP2:ϕ_s162.00000°,δ66.00000°,λ-56.00000°. Principal axes: T 3.7800,Plg14.0000°,Azm227.0000°; N -0.3400,Plg31.0000°,Azm326.0000° ; P -3.4400,Plg56.0000°,Azm116.0000° $M_0$3.60000×10^{16}
ISC XII 09 18 32 24.3–1.5 3.5S–.10 141.1E–.30 35 4.2b 6 1-86
IDC XII 09 18 32 18.9–1.5 3.54S 141.28E 0 4.5,4.4 ¶602390919
ISCJB XII 09 18 32 22.7–1.4 3.57S–.10 141.1E–.30 33 4.4s,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 09 21 12 51.3–.73 3.56S–.05 141.26E–.09 33 4.2b,3.8s 45 1-100
IDC XII 09 21 12 46.5–.85 3.44S 141.39E 0 4.6L,4.4 ¶602032404
ISCJB XII 09 21 12 49.8–.51 3.52S–.04 141.30E–.06 33 4.2b,3.9s
DJA XII 09 21 12 50.7–1.1 3S–7.0 142E–9.0 59–8 5.1b,4.9
NEIC XII 09 21 12 51.9–.64 3.44S 141.23E 35 4.7b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=11.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=167.3.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=7.5km az=94.0.
IDC XII 09 21 22 08.2–2.5 3.42S 141.41E 0 4.0,4.0L
¶602390933
IDC Error ellipse: s-maj=51.5km s-min=13.4km az=70.0.
DJA XII 10 12 18 03.0–1.0 3S–6.0 141E–12 10 5.5b,4.7
¶606793389
IDC XII 12 00 05 08.1–3.0 3.52S 141.10E 0 3.8,3.8L
¶602391133
IDC Error ellipse: s-maj=76.5km s-min=12.2km az=82.0.
ISC XII 19 17 10 16.8–.81 4.19S–.09 143.7E–.10 100 3.8b 29 3-85
NEIC XII 19 17 10 09.9–3.5 4.08S 143.78E 35 4.1b ¶602355649
ISCJB XII 19 17 10 14.1–.55 4.13S–.05 143.81E–.07 100 3.7b
IDC XII 19 17 10 17.6–1.4 4.25S 143.64E 117–12 3.9,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=62.4km s-min=20.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=6.4km az=153.5.
IDC Error ellipse: s-maj=15.6km s-min=9.7km az=73.0.
IDC XII 21 14 08 00.0–1.7 6.94S 144.15E 0 3.4b,3.4
¶602391814
IDC Error ellipse: s-maj=37.8km s-min=28.4km az=91.0.
IDC XII 24 15 45 03.1–6.8 6.60S 142.59E 0 3.6b,3.4
¶602392001
IDC Error ellipse: s-maj=234.2km s-min=34.6km az=97.0.
ISC XII 28 15 54 49.1–2.6 3.1S–.10 141.2E–.30 23 3.5b 7 1-72
ISCJB XII 28 15 54 46.7–2.2 3.2S–.10 141.3E–.30 23 3.5b ¶602380789
IDC XII 28 15 54 46.1–2.1 3.18S 141.21E 0 4.0,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.9km s-min=13.5km az=169.1.
IDC Error ellipse: s-maj=43.3km s-min=11.3km az=69.0.
IDC XII 31 07 51 27.4–6.8 6.33S 145.38E 108–51 3.6,3.3
¶602380478
IDC Error ellipse: s-maj=86.8km s-min=49.5km az=14.0.

(203) Bismarck Sea.

ISC VII 07 21 38 42.5–2.1 3.5S–.40 149.3E–.60 20 4.0s,3.8b 6 12-147
IDC VII 07 21 38 39.8–1.7 3.45S 149.23E 0 4.1,3.9 ¶601663607
ISCJB VII 07 21 38 41.0–1.7 3.5S–.30 149.3E–.50 20 3.9s,3.7b
GCMT VII 07 21 38 40.0–.40 3.41S 149.26E 23–2 4.8W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=81.8km s-min=24.1km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=78.4km s-min=19.9km az=29.5.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s10,c11; s74,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.15 $M_{\theta\theta}$0.92±.11; $M_{\phi\phi}$-0.70±.12; $M_{r\theta}$0.29±.18; $M_{\theta\phi}$1.89±.09; $M_{\phi r}$-0.21±.16; Best double couple: NP1:ϕ_s281.00000°,δ85.00000° ,λ-10.00000°. NP2:ϕ_s12.00000°,δ80.00000°,λ-175.00000°. Principal axes: T 2.1690,Plg3.0000°,Azm327.0000°; N -0.1530,Plg79.0000°,Azm73.0000° ; P -2.0160,Plg11.0000°,Azm236.0000° $M_0$2.09200×10^{16}
IDC VII 08 09 16 08.2–1.8 3.85S 148.81E 0 4.1,3.8b
¶601664283
IDC Error ellipse: s-maj=113.4km s-min=26.6km az=126.0.
IDC VII 16 18 18 58.8–7.3 3.54S 146.90E 0 3.7,3.5
¶601664687
IDC Error ellipse: s-maj=242.3km s-min=31.2km az=99.0.
IDC VII 21 08 22 08.5–6.3 4.82S 149.12E 84–63 3.5,3.4
¶601664914
IDC Error ellipse: s-maj=122.4km s-min=35.8km az=125.0.
ISC VII 22 06 07 18.8–.64 4.80S–.08 149.8E–.10 35 4.2b,3.6s 21 5-147
IDC VII 22 06 07 13.3–.70 4.81S 149.78E 0 4.3,4.1 ¶601459490
NEIC VII 22 06 07 15.1–.50 4.82S 149.67E 10 4.6b,4.1
ISCJB VII 22 06 07 16.8–.50 4.85S–.06 149.70E–.08 33 4.1b,3.6s
ISC Event type se.

NEIC Event type se.
ISCJB Event type se.
ISC VII 22 07 02 14.4–.49 4.97S–.03 149.66E–.04 22–3 5.3b,5.3s 377 3-168
BJI VII 22 07 02 03.8 5.57S 150.24E 5 5.7b,5.4s **¶601456925**
ISCJB VII 22 07 02 11.7–.17 4.95S–.02 149.57E–.03 16 5.2s,5.2b
NEIC VII 22 07 02 13.6–1.9 4.87S 149.53E 20–14 5.6W,5.6W
NEIC VII 22 07 02 13.0–.00 4.71S 149.65E 15 5.6W,5.6W
GCMT VII 22 07 02 13.6–.10 4.84S 149.61E 12 5.7W,5.6W
MOS VII 22 07 02 14.1–1.2 4.93S 149.51E 33 5.6b,5.1s
IDC VII 22 07 02 17.8–1.8 4.90S 149.52E 53–16 5.1,5.1
DJA VII 22 07 02 40.3–2.1 6S–14 148E–22 53–17 6.0b,6.0
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Lae, Papua New Guinea. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$2.34 $M_{\phi\phi}$-2.55 $M_{r\theta}$0.79 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s35.00000°,δ76.00000°,λ169.00000°. NP2:ϕ_s128.00000° ,δ80.00000°,λ14.00000°. Principal axes: T 2.7100,Plg17.0000°,Azm352.0000° ; N -0.0400,Plg72.0000°,Azm163.0000°; P -2.6700,Plg3.0000°,Azm261.0000° M_ϕ2.70000×10^{17}
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-3.26 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.72 $M_{\phi r}$0.22 Best double couple: NP1:ϕ_s129.00000° ,δ88.00000°,λ-4.00000°. NP2:ϕ_s219.00000°,δ86.00000°,λ-178.00000°. Principal axes: T 3.4500,Plg2.0000°,Azm173.0000°; N -0.0900,Plg85.0000°,Azm290.0000° ; P -3.3600,Plg4.0000°,Azm83.0000° M_ϕ3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s121,c213; s134,c350;Duration: 1s6 Moment tensor: Scale 10^{17} Nm; M_{rr}-0.45±.03 $M_{\theta\theta}$3.71±.03; $M_{\phi\phi}$-3.26±.03; $M_{r\theta}$-0.34±.09; $M_{\theta\phi}$0.94±.03; $M_{\phi r}$-0.35±.09; Best double couple: NP1:ϕ_s38.00000°,δ89.00000°,λ-172.00000°. NP2:ϕ_s307.00000° ,δ82.00000°,λ-1.00000°. Principal axes: T 3.8690,Plg5.0000°,Azm172.0000° ; N -0.4530,Plg82.0000°,Azm42.0000°; P -3.4170,Plg6.0000°,Azm263.0000° M_ϕ3.64300×10^{17}
IDC VII 23 14 50 58.2–1.8 4.51S 149.29E 0 3.7,3.5
¶601666312
IDC Error ellipse: s-maj=130.9km s-min=24.0km az=119.0.
ISC VII 27 15 33 54.8–2.3 3.26S–.09 148.3E–.50 35 4.0b,3.5s 9 6-146
IDC VII 27 15 33 49.9–2.9 3.34S 148.22E 0 4.1,4.0 **¶601666526**
ISC Event type ke.
IDC Error ellipse: s-maj=93.3km s-min=21.9km az=94.0.
IDC VIII 07 15 02 34.3–2.8 4.98S 149.83E 371–26 3.8,3.3
¶601765610
IDC Error ellipse: s-maj=45.0km s-min=23.7km az=116.0.
IDC VIII 08 07 53 32.2–1.9 4.47S 149.01E 0 3.8,3.6
¶601765641
IDC Error ellipse: s-maj=117.4km s-min=26.6km az=127.0.
IDC IX 19 01 42 08.1–4.6 3.81S 149.19E 0 3.9,3.6b
¶601863799
IDC Error ellipse: s-maj=168.3km s-min=52.0km az=114.0.
ISC IX 23 13 29 34.3–.63 3.37S–.08 146.21E–.09 25 4.3b,3.8s 29 2-151
NEIC IX 23 13 29 31.1–.48 3.30S 146.14E 10 4.3b,3.8s **¶601739631**
IDC IX 23 13 29 34.1–.73 3.70S 145.86E 0 4.4,4.3
GCMT IX 23 13 29 37.1–.20 3.37S–.01 146.13E–.02 19–1 4.9W,4.3
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c37; s84,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.10 $M_{\theta\theta}$0.09±.08; $M_{\phi\phi}$-0.08±.09; $M_{r\theta}$-0.59±.20; $M_{\theta\phi}$2.75±.08; $M_{\phi r}$0.47±.19; Best double couple: NP1:ϕ_s90.00000°,δ81.00000°,λ-12.00000°. NP2:ϕ_s182.00000°,δ78.00000°,λ-171.00000°. Principal axes: T 2.7590,Plg2.0000° ,Azm136.0000°; N 0.1820,Plg75.0000°,Azm234.0000°; P -2.9410,Plg14.0000°,Azm46.0000° M_ϕ2.85000×10^{16}
ISC X 22 20 05 49.9–1.2 3.5S–.10 146.1E–.20 25 3.8b,3.2s 11 15-90
IDC X 22 20 05 46.0–1.5 3.49S 146.12E 0 4.1,3.9L **¶601881246**
ISCJB X 22 20 05 48.2–1.0 3.51S–.09 146.1E–.20 25 3.8b,3.2s
NEIC X 22 20 05 51.2–.67 3.52S 146.10E 35 4.6b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=19.7km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=13.2km az=6.4.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.6km az=90.0.
ISC X 31 21 59 10.1–1.0 3.5S–.20 149.6E–.20 20 3.9b,3.7s 10 6-147
IDC X 31 21 59 07.0–.99 3.52S 149.57E 0 4.1,4.0 **¶602000664**
ISCJB X 31 21 59 08.6–.81 3.5S–.10 149.5E–.20 20 3.9b,3.6s
ISC Event type ke.
ISCJB Event type ke.
IDC X 31 22 19 34.8–3.8 3.71S 149.72E 0 4.1,3.9
¶602000665
IDC Error ellipse: s-maj=118.9km s-min=50.4km az=112.0.
ISC X 31 22 32 38.2–.52 3.53S–.06 149.33E–.07 20 4.5s,4.3b 41 2-147
IDC X 31 22 32 34.3–.80 3.64S 149.43E 0 4.4,4.4s **¶601867652**
ISCJB X 31 22 32 36.3–.40 3.57S–.05 149.30E–.06 20 4.5s,4.3b
NEIC X 31 22 32 36.6–.49 3.54S 149.22E 10 4.5b,4.3b
GCMT X 31 22 32 38.6–.20 3.47S–.01 149.41E–.01 12–1 5.2W,4.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c105; s118,c195;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.83±.16 $M_{\theta\theta}$2.15±.17; $M_{\phi\phi}$-2.98±.18; $M_{r\theta}$-0.43±.40; $M_{\theta\phi}$7.55±.17; $M_{\phi r}$0.65±.39; Best double couple: NP1:ϕ_s189.00000°,δ87.00000°,λ-176.00000°. NP2:ϕ_s99.00000°,δ86.00000°,λ-3.00000°. Principal axes: T 7.5590,Plg0.0000° ,Azm324.0000°; N 0.8930,Plg85.0000°,Azm232.0000°; P -8.4540,Plg5.0000°,Azm54.0000° M_ϕ8.00600×10^{16}
ISC X 31 22 36 19.2–.70 3.46S–.08 149.5E–.10 20 4.5s,4.2b 41 3-147
IDC X 31 22 36 15.5–.80 3.56S 149.56E 0 4.6s,4.5 **¶602000668**
ISCJB X 31 22 36 17.5–.51 3.54S–.06 149.45E–.10 20 4.5s,4.3b
NEIC X 31 22 36 17.5–.45 3.52S 149.45E 10 4.3b,4.3b
GCMT X 31 22 36 22.5–.20 3.45S–.01 149.38E–.01 13–1 5.2W,4.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c86; s118,c199;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.85±.18 $M_{\theta\theta}$2.49±.17; $M_{\phi\phi}$-3.34±.19; $M_{r\theta}$1.85±.42; $M_{\theta\phi}$8.04±.18; $M_{\phi r}$0.12±.37; Best double couple: NP1:ϕ_s101.00000°,δ86.00000°,λ12.00000°. NP2:ϕ_s10.00000°,δ78.00000°,λ176.00000°. Principal axes: T 8.4600,Plg12.0000° ,Azm326.0000°; N 0.6140,Plg77.0000°,Azm120.0000°; P -9.0710,Plg6.0000°,Azm234.0000° M_ϕ8.76600×10^{16}
IDC X 31 22 40 52.6–4.0 3.19S 149.25E 0 3.8,3.6
¶602000669
IDC Error ellipse: s-maj=123.4km s-min=50.7km az=111.0.
IDC XI 04 08 00 43.7–4.3 4.89S 148.40E 0 3.6,3.4
¶602388793
IDC Error ellipse: s-maj=150.8km s-min=46.4km az=114.0.
ISC XI 06 14 20 40.1–.39 3.78S–.05 149.12E–.06 35 4.9s,4.6b 136 2-151
IDC XI 06 14 20 32.7–.67 3.84S 149.28E 0 4.8,4.8s **¶601875527**
NEIC XI 06 14 20 36.1–.41 3.84S 148.85E 10 5.3W,4.8b
ISCJB XI 06 14 20 38.7–.33 3.84S–.05 148.98E–.05 33 4.9s,4.5b
BJI XI 06 14 20 40.3 3.24S 148.43E 10 5.2b,5.1s
GCMT XI 06 14 20 42.1–.10 3.33S–.01 149.00E–.01 12 5.5W,5.1s
DJA XI 06 14 20 42.0–2.1 3S–13 149E–17 46–9 5.4b,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ84.00000° ,λ-148.00000°. NP2:ϕ_s106.00000°,δ59.00000°,λ-8.00000°. Principal axes: T 1.1700,Plg17.0000°,Azm329.0000°; N 0.0600,Plg58.0000°,Azm211.0000° ; P -1.2300,Plg27.0000°,Azm68.0000°
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c198; s131,c257;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$1.17±.02; $M_{\phi\phi}$-1.10±.02; $M_{r\theta}$0.13±.05; $M_{\theta\phi}$1.62±.02; $M_{\phi r}$0.00±.05; Best double couple: NP1:ϕ_s108.00000°,δ89.00000°,λ3.00000°. NP2:ϕ_s17.00000°,δ87.00000°,λ179.00000°. Principal axes: T 2.0190,Plg3.0000° ,Azm333.0000°; N -0.0780,Plg86.0000°,Azm124.0000°; P -1.9450,Plg2.0000° ,Azm242.0000° M_ϕ1.98200×10^{17}
ISC XI 15 08 21 49.9–.49 3.12S–.03 148.49E–.04 18–2 5.9s,5.3b 615 2-159
BJI XI 15 08 21 45.1 3.02S 148.67E 6 5.8s,5.7 **¶601901505**
IDC XI 15 08 21 46.9–.40 3.14S 148.37E 0 5.6,5.6s
MOS XI 15 08 21 47.5–.93 3.10S 148.15E 14 5.6s,5.5b
NEIC XI 15 08 21 48.5–.09 3.11S 148.27E 10 5.9W,5.8W
ISCJB XI 15 08 21 48.0–.11 3.15S–.02 148.32E–.02 15 6.0s,5.3b
NEIC XI 15 08 21 49.0–.00 2.95S 148.38E 15 6.0s,5.3b
GCMT XI 15 08 21 52.5–.10 3.06S 148.38E 12 5.9W,5.3b
DJA XI 15 08 21 57.8–.50 3S–3.0 148E–3.0 48–4 6.1,5.9b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$3.57 $M_{\phi\phi}$-4.56 $M_{r\theta}$1.96 $M_{\theta\phi}$5.04 $M_{\phi r}$2.12 Best double couple: NP1:ϕ_s112.00000° ,δ67.00000°,λ12.00000°. NP2:ϕ_s17.00000°,δ79.00000°,λ157.00000°. Principal axes: T 7.1700,Plg24.0000°,Azm333.0000°; N -0.0400,Plg65.0000°,Azm173.0000° ; P -7.1200,Plg8.0000°,Azm66.0000° M_ϕ7.20000×10^{17}
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47 $M_{\theta\theta}$7.24 $M_{\phi\phi}$-5.77 $M_{r\theta}$1.43 $M_{\theta\phi}$4.06 $M_{\phi r}$4.01 Best double couple: NP1:ϕ_s212.00000° ,δ82.00000°,λ-150.00000°. NP2:ϕ_s117.00000°,δ60.00000°,λ-9.00000°. Principal axes: T 9.0400,Plg14.0000°,Azm340.0000°; N -0.3500,Plg59.0000°,Azm225.0000° ; P -8.6800,Plg26.0000°,Azm78.0000° M_ϕ8.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c277; s136,c452; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05±.01 $M_{\theta\theta}$0.67±.01; $M_{\phi\phi}$-0.62±.01; $M_{r\theta}$0.17±.02; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s21.00000°,δ86.00000° ,λ167.00000°. NP2:ϕ_s112.00000°,δ77.00000°,λ4.00000°. Principal axes: T 1.0290,Plg12.0000°,Azm336.0000°; N -0.0830,Plg76.0000°,Azm185.0000° ; P -0.9470,Plg6.0000°,Azm67.0000° M_ϕ0.98800×10^{18}
IDC XI 15 08 50 59.7–7.0 3.29S 148.17E 0 4.0,3.8
¶602389439
IDC Error ellipse: s-maj=146.7km s-min=39.4km az=84.0.
IDC XI 15 14 05 50.6–1.5 3.60S 149.96E 0 4.0,3.8
¶602389459
IDC Error ellipse: s-maj=85.8km s-min=27.0km az=124.0.
IDC XI 15 14 51 12.5–3.6 3.58S 149.75E 0 4.0,3.8
¶602389465
IDC Error ellipse: s-maj=119.5km s-min=46.5km az=113.0.
IDC XI 15 15 01 54.7–3.6 3.78S 149.99E 0 4.1,3.9b
¶602000841
IDC Error ellipse: s-maj=118.0km s-min=46.8km az=114.0.
ISC XI 23 06 21 05.9–.37 3.28S–.06 146.27E–.06 20 4.6b,3.9s 91 2-144
BJI XI 23 06 21 03.5 3.41S 146.00E 21 5.1b,4.7b **¶601993872**
IDC XI 23 06 21 03.1–.58 3.39S 146.25E 0 4.3,4.3
ISCJB XI 23 06 21 04.2–.27 3.37S–.04 146.18E–.04 20 4.5b,4.0s
GCMT XI 23 06 21 07.9–.20 3.32S–.01 146.04E–.02 17–1 5.0W,4.0s
NEIC XI 23 06 21 07.9–2.7 3.37S 146.14E 32–20 4.8b,4.0s
DJA XI 23 06 21 12.5–1.6 4S–11 146E–12 61–10 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s94,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.13 $M_{\theta\theta}$0.34±.11; $M_{\phi\phi}$0.00±.11; $M_{r\theta}$-1.01±.32; $M_{\theta\phi}$3.09±.09; $M_{\phi r}$0.86±.26; Best double couple: NP1:ϕ_s89.00000°,δ76.00000°,λ-18.00000°. NP2:ϕ_s184.00000°,δ72.00000°,λ-165.00000°. Principal axes: T 3.2720,Plg2.0000° ,Azm137.0000°; N 0.2090,Plg67.0000°,Azm233.0000°; P -3.4800,Plg23.0000°,Azm46.0000° M_ϕ3.37600×10^{16}
NEIC Event type se.
IDC XI 24 02 34 59.0–4.3 4.81S 148.10E 0 3.5,3.3
¶602389920
IDC Error ellipse: s-maj=109.2km s-min=51.9km az=106.0.
IDC XI 28 11 51 36.1–1.4 3.39S 148.27E 0 3.7,3.5
¶602390117
IDC Error ellipse: s-maj=65.6km s-min=24.6km az=110.0.
IDC XII 13 22 34 37.9–1.5 4.73S 147.25E 0 4.2L,3.9
¶602391284
IDC Error ellipse: s-maj=63.2km s-min=23.8km az=108.0.
ISC XII 29 07 56 01.3–.38 3.44S–.05 148.98E–.06 19 4.8b 198 2-154
MOS XII 29 07 55 58.7–1.6 3.32S 148.87E 12 5.1b **¶602062476**
BJI XII 29 07 55 58.8 3.40S 148.70E 10 5.5s,5.4
IDC XII 29 07 55 58.1–.62 3.41S 148.85E 0 4.6,4.5
ISCJB XII 29 07 55 59.8–.25 3.44S–.03 148.89E–.04 19 4.8b,4.5
NEIC XII 29 07 56 00.3–.30 3.37S 148.75E 10 5.0b,4.5
GCMT XII 29 07 56 02.3–.20 3.32S–.01 148.83E–.01 12 5.5W,4.5
DJA XII 29 07 56 08.4–.60 4S–4.0 149E–4.0 46–6 5.5b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c97; s100,c169;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$1.30±.04; $M_{\phi\phi}$-1.19±.05; $M_{r\theta}$0.28±.10; $M_{\theta\phi}$1.49±.04; $M_{\phi r}$-0.25±.11; Best double couple: NP1:ϕ_s289.00000°,δ85.00000°,λ-10.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ-175.00000°. Principal axes: T 2.0060,Plg4.0000° ,Azm335.0000°; N -0.0620,Plg79.0000°,Azm85.0000°; P -1.9520,Plg11.0000° ,Azm245.0000° M_ϕ1.97900×10^{17}
ISC XII 29 07 59 17.1–.72 3.30S–.04 148.82E–.04 17–4 5.0b 352 2-155
ISCJB XII 29 07 59 12.9–1.0 3.33S–.03 148.82E–.03 2–6 5.4s,4.9b **¶607215295**
MOS XII 29 07 59 14.7–1.2 3.30S 148.73E 12 5.2b,4.9b
IDC XII 29 07 59 14.0–.47 3.30S 148.83E 0 5.4,5.4s
NEIC XII 29 07 59 15.9–.19 3.32S 148.76E 10 5.1b,5.4s
DJA XII 29 07 59 19.7–1.7 4S–6.0 149E–8.0 28–10 5.9b,5.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 29 07 59 43.7–.35 3.59S–.06 148.83E–.07 19 5.8s,5.4b 177 3-155
BJI XII 29 07 59 40.7 3.50S 148.80E 10 5.8s,5.7 **¶602062477**
NEIC XII 29 07 59 41.0–.00 3.19S 148.93E 9 5.8s,5.7
NEIC XII 29 07 59 41.1–.24 3.56S 148.90E 4 6.0W,5.8W
ISCJB XII 29 07 59 42.0–.22 3.52S–.04 148.82E–.04 19 5.7s,5.3b
GCMT XII 29 07 59 42.1–.10 3.31S 148.92E 15 5.9W,5.3b
NEIC XII 29 07 59 53.0–.00 2.97S 148.58E 10 5.9W,5.3b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$3.20 $M_{\phi\phi}$-3.11 $M_{r\theta}$-0.31 $M_{\theta\phi}$3.86 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s200.00000° ,δ89.00000°,λ173.00000°. NP2:ϕ_s290.00000°,δ83.00000°,λ1.00000°. Principal axes: T 5.0800,Plg5.0000°,Azm154.0000°; N -0.1100,Plg82.0000°,Azm11.0000° ; P -4.9700,Plg4.0000°,Azm244.0000° M_ϕ5.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.7km az=122.0. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12 $M_{\theta\theta}$3.98 $M_{\phi\phi}$-3.86 $M_{r\theta}$0.68 $M_{\theta\phi}$4.10 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s112.00000°,δ83.00000°,λ4.00000°. NP2:ϕ_s22.00000°,δ86.00000° ,λ173.00000°. Principal axes: T 5.8500,Plg8.0000°,Azm337.0000°; N -0.2300,Plg82.0000° ,Azm174.0000°; P -5.6200,Plg2.0000°,Azm67.0000° M_ϕ5.70000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=159.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c220; s137,c467; Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$0.61±.01; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s291.00000°,δ90.00000° ,λ-5.00000°. NP2:ϕ_s21.00000°,δ85.00000°,λ-180.00000°. Principal axes: T 0.8440,Plg3.0000°,Azm336.0000°; N -0.0230,Plg85.0000°,Azm106.0000° ; P -0.8220,Plg4.0000°,Azm246.0000° M_ϕ0.83300×10^{18}
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s293.00000°,δ69.00000° ,λ3.00000°. NP2:ϕ_s202.00000°,δ87.00000°,λ159.00000°. Principal axes: T 1.1500,Plg17.0000°,Azm156.0000°; N -0.1700,Plg69.0000°,Azm14.0000° ; P -0.9800,Plg12.0000°,Azm250.0000°
ISC XII 29 08 25 05.7–2.7 3.6S–.20 149.0E–.40 19 4.1b 12 2-146
IDC XII 29 08 25 01.4–3.6 3.50S 149.17E 0 4.4,4.2 **¶602335540**
NEIC XII 29 08 25 02.4–1.5 3.71S 149.41E 10 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=113.6km s-min=46.8km az=111.0.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=13.9km az=87.0.

(204) Aru Islands region.

IDC VII 01 20 38 43.0–2.4 5.78S 133.63E 0 3.8b,3.7
¶601663376

IDC Error ellipse: s-maj=84.9km s-min=29.5km az=83.0.
ISC VII 08 17 07 37.9–.73 6.27S–.04 133.25E–.06 10 22 3-69
ISCJB VII 08 17 07 38.6–.59 6.30S–.05 133.12E–.07 10 3.2b,3.1s **¶601664298**
IDC VII 08 17 07 39.1–1.3 6.27S 133.17E 0 3.8,3.7
DJA VII 08 17 07 46.1–.70 6S–5.0 133E–6.0 10 4.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC VII 16 20 51 37.5–5.5 6.16S 133.95E 0 4.0,3.9L
¶601664692

IDC Error ellipse: s-maj=301.6km s-min=33.2km az=78.0.
DJA VII 17 12 24 42.2–.70 5S–4.0 132E–6.0 126–19 4.5b,4.1
¶602027754

IDC VII 20 00 57 41.4–4.4 5.18S 132.13E 0 4.0,3.8
¶601664857

IDC Error ellipse: s-maj=286.6km s-min=31.6km az=74.0.
IDC VII 24 09 37 52.2–3.0 5.01S 133.51E 0 3.6,3.4
¶601666367

IDC Error ellipse: s-maj=141.6km s-min=14.8km az=82.0.
ISC VIII 05 05 58 01.9–.32 5.59S–.04 133.88E–.05 32 4.8b,3.7s 135 3-152
BJI VIII 05 05 57 55.1 5.59S 134.07E 6 5.0b,4.8s **¶601518335**
IDC VIII 05 05 57 57.0–.46 5.62S 134.21E 0 4.6L,4.6
NEIC VIII 05 05 57 58.4–.19 5.59S 133.93E 10 4.7b,4.6
ISCJB VIII 05 05 57 59.6–.21 5.63S–.03 133.89E–.03 32 4.7b,3.8s
DJA VIII 05 05 58 02.0–.20 6S–3.0 134E–2.0 69–7 5.6b,5.5
ISC Event type fe.
NEIC Event type fe. Felt [III] at Dobo.
ISCJB Event type fe.
IDC VIII 09 19 49 25.9–3.4 5.15S 132.60E 0 3.6b,3.4
¶601765713

IDC Error ellipse: s-maj=251.0km s-min=30.3km az=77.0.
ISC VIII 13 05 02 48.0–.79 5.60S–.06 133.49E–.10 35 4.3b 35 3-150
IDC VIII 13 05 02 42.9–1.4 5.46S 133.52E 0 4.4,4.4L **¶601565843**
ISCJB VIII 13 05 02 45.7–.56 5.54S–.04 133.53E–.08 33 4.3b,2.5s
NEIC VIII 13 05 02 47.0–.52 5.48S 133.81E 35 4.4b,2.5s
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=26.0km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.2km az=176.3.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.9km az=92.0.
IDC VIII 22 15 31 58.6–3.1 5.20S 133.96E 0 3.7,3.5
¶601766311

IDC Error ellipse: s-maj=129.0km s-min=29.2km az=83.0.
IDC IX 07 00 45 16.6–3.1 5.82S 133.63E 0 4.0,3.8
¶601863079

IDC Error ellipse: s-maj=118.2km s-min=26.1km az=81.0.
ISC IX 07 01 53 07.2–1.3 6.01S–.07 133.5E–.20 35 3.9b 10 6-72
IDC IX 07 01 53 02.3–2.4 5.82S 133.75E 0 4.2,4.1 **¶601863085**
ISC Event type ke.
IDC Error ellipse: s-maj=83.2km s-min=24.4km az=80.0.
IDC IX 13 05 14 23.9–3.4 5.70S 132.00E 40–39 4.3L,4.2
¶601863452

IDC Error ellipse: s-maj=104.0km s-min=14.6km az=81.0.
IDC IX 15 06 41 43.3–4.7 6.96S 133.17E 0 3.6,3.4
¶601863572

IDC Error ellipse: s-maj=283.0km s-min=32.3km az=76.0.
IDC IX 17 10 55 20.6–3.0 5.66S 132.70E 0 3.8,3.6
¶601863707

IDC Error ellipse: s-maj=140.2km s-min=17.0km az=80.0.
IDC IX 24 09 24 02.1–2.4 5.10S 133.41E 0 3.7,3.5
¶601864088

IDC Error ellipse: s-maj=84.9km s-min=25.5km az=80.0.
ISC IX 25 02 13 53.7–1.3 5.57S–.07 133.3E–.10 35 9 5-72
IDC IX 25 02 13 49.2–2.7 5.59S 133.50E 0 3.8b,3.8 **¶601864130**
ISCJB IX 25 02 13 52.4–.00 5.66S–.07 133.2E–.10 33 3.7b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC X 12 01 19 55.4–5.3 5.61S 133.06E 0 4.2,4.0
¶601997944

IDC Error ellipse: s-maj=315.9km s-min=32.4km az=76.0.
ISC X 12 01 58 39.8–.96 5.19S–.07 133.6E–.20 28 4.0b 12 5-69
IDC X 12 01 58 36.5–1.2 5.05S 133.80E 0 4.2,4.1 **¶601997947**
ISCJB X 12 01 58 38.3–.80 5.23S–.05 133.6E–.10 28 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC X 12 06 03 19.3–2.6 5.41S 133.47E 0 3.8,3.6
¶601997969

IDC Error ellipse: s-maj=95.4km s-min=27.7km az=86.0.
IDC X 12 13 19 15.3–2.3 5.72S 133.63E 0 3.8,3.6
¶601998010

IDC Error ellipse: s-maj=79.6km s-min=16.4km az=83.0.
ISC X 12 15 52 24.7–.65 5.07S–.06 133.84E–.07 28 4.0b 30 1-73
IDC X 12 15 52 22.5–1.0 4.97S 133.61E 0 4.4,4.3 **¶601829126**
ISCJB X 12 15 52 23.6–.47 5.00S–.04 133.87E–.06 28 4.1b,3.3s
DJA X 12 15 52 26.1–1.0 5S–4.0 134E–3.0 20–11 5.5b,5.0
NEIC X 12 15 52 27.2–.82 5.05S 133.70E 35 4.5b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=16.6km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=170.9.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.7km az=61.0.
IDC X 12 17 16 52.6–3.2 5.09S 133.56E 0 3.6,3.4
¶601998025

IDC Error ellipse: s-maj=123.5km s-min=26.1km az=79.0.
IDC X 13 22 59 44.1–3.0 5.64S 133.46E 0 3.8,3.7
¶601998159

IDC Error ellipse: s-maj=119.8km s-min=25.7km az=81.0.
IDC X 14 21 00 59.8–3.1 5.02S 133.63E 0 4.0,4.0s
¶601998258

IDC Error ellipse: s-maj=121.6km s-min=25.6km az=79.0.
IDC X 14 23 30 05.6–5.5 5.09S 133.04E 0 3.9,3.8b
¶601998272

IDC Error ellipse: s-maj=336.5km s-min=31.6km az=76.0.
ISC X 16 17 08 42.3–.58 6.72S–.05 133.61E–.05 10 3.9b 47 3-77
ISCJB X 16 17 08 41.2–.38 6.74S–.03 133.50E–.05 10 3.9b **¶601909990**
IDC X 16 17 08 41.2–.98 6.72S 133.74E 0 3.9,3.9
NEIC X 16 17 08 46.3–.51 6.72S 133.59E 35 4.2b,3.9
DJA X 16 17 08 53.1–.50 6S–3.0 133E–3.0 149–10 5.0b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 17 03 35 02.5–.58 5.11S–.04 133.85E–.06 25 4.2b 44 1-90
ISCJB X 17 03 35 01.0–.37 5.09S–.03 133.82E–.07 25 4.1b,4.0s **¶601998612**
IDC X 17 03 35 00.5–.87 5.05S 133.65E 0 4.2,4.2L
NEIC X 17 03 35 01.1–3.5 5.14S 133.73E 5–23 4.4b,4.2L
DJA X 17 03 35 02.7–.90 5S–3.0 134E–6.0 10–7 5.0b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 17 08 17 50.6–3.6 5.47S 133.70E 0 3.6b,3.4
¶601998636

IDC Error ellipse: s-maj=177.4km s-min=30.4km az=78.0.
IDC X 17 16 23 45.4–5.5 5.06S 132.96E 0 3.5b,3.4
¶601998685

IDC Error ellipse: s-maj=335.8km s-min=31.4km az=76.0.
IDC X 18 05 42 18.8–3.1 5.07S 133.59E 0 3.8b,3.6
¶601998756

IDC Error ellipse: s-maj=130.0km s-min=29.7km az=82.0.
ISC X 22 23 05 08.6–.40 5.04S–.04 133.93E–.05 28 4.8b,3.8s 80 1-150
BJI X 22 23 05 05.5 5.00S 133.90E 10 5.0b,4.7b **¶601842102**
IDC X 22 23 05 05.0–.67 4.86S 133.90E 0 4.5,4.5L
ISCJB X 22 23 05 06.9–.28 5.00S–.03 133.94E–.04 28 4.6b,3.8s
NEIC X 22 23 05 06.4–.38 4.95S 133.91E 10 4.7b,3.8s
DJA X 22 23 05 06.7–.20 5S–3.0 134E–2.0 10 5.3b,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 23 23 43 16.7–3.0 5.00S 133.64E 0 3.9,3.8
¶601999434

IDC Error ellipse: s-maj=118.9km s-min=25.4km az=79.0.
ISC X 27 00 49 00.4–.97 5.32S–.09 133.4E–.20 35 4.6b 11 15-69
IDC X 27 00 48 55.4–5.6 5.14S 133.42E 0 4.0b,3.9 **¶601999780**
NEIC X 27 00 48 56.8–.54 5.17S 133.43E 10 4.3b,3.9
ISCJB X 27 00 48 58.2–.81 5.19S–.08 133.4E–.10 35 4.6b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 27 09 10 20.2–3.0 5.03S 133.53E 0 3.9b,3.7
¶601999819

IDC Error ellipse: s-maj=119.0km s-min=25.7km az=80.0.
IDC X 28 09 11 27.6–2.7 5.15S 133.28E 0 3.9,3.7b
¶602000002

IDC Error ellipse: s-maj=102.4km s-min=25.8km az=80.0.
IDC X 28 09 16 21.4–3.1 5.01S 133.47E 0 3.9,3.8b
¶602000005

IDC Error ellipse: s-maj=125.1km s-min=25.9km az=79.0.
ISC X 28 09 22 56.1–.80 5.05S–.06 133.64E–.08 25 14 5-78
IDC X 28 09 22 53.7–1.2 4.99S 133.65E 0 4.0,4.0 **¶602000008**
ISCJB X 28 09 22 54.5–.72 5.09S–.05 133.61E–.07 25 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 04 51 15.9–.50 5.06S–.05 133.99E–.05 28 4.0b 57 1-147
IDC XI 11 04 51 13.0–.76 4.94S 133.90E 0 4.2,4.1 **¶601883925**
ISCJB XI 11 04 51 13.9–.34 5.06S–.03 134.02E–.04 28 5.0s,4.2b
NEIC XI 11 04 51 14.5–3.9 4.99S 133.92E 13–25 4.2b,4.2b
DJA XI 11 04 51 19.1–1.3 5S–2.0 134E–3.0 37–16 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 11 23 22 43.1–1.1 5.12S–.07 133.4E–.20 25 10 5-69
IDC XI 11 23 22 40.5–1.7 4.93S 133.80E 0 4.1,3.9 **¶602389250**
ISCJB XI 11 23 22 41.2–.96 5.08S–.06 133.5E–.10 25 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC XI 12 08 28 22.8–5.6 5.05S 133.17E 0 3.6b,3.5
¶602389282

IDC Error ellipse: s-maj=334.7km s-min=32.6km az=76.0.
ISC XI 16 02 53 26.6–1.0 5.79S–.07 133.5E–.20 35 10 5-72
IDC XI 16 02 53 23.4–1.4 5.69S 133.72E 0 4.1b,4.0 **¶602389481**
ISCJB XI 16 02 53 25.8–.88 5.82S–.07 133.5E–.10 33 4.0b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 18 12 50 50.3–3.0 5.20S 134.08E 0 3.7,3.6
¶602389608

IDC Error ellipse: s-maj=113.7km s-min=31.2km az=83.0.
IDC XI 19 06 59 51.8–5.0 5.51S 132.42E 0 3.9b,3.3
¶602389645

IDC Error ellipse: s-maj=325.2km s-min=31.8km az=75.0.
ISC XII 01 00 37 41.0–.73 5.20S–.06 133.53E–.08 25 3.7b 17 3-72
IDC XII 01 00 37 37.7–1.4 5.06S 133.51E 0 4.2,4.1L **¶601995535**
ISCJB XII 01 00 37 39.4–.73 5.21S–.05 133.54E–.09 25 3.7b,4.1L
NEIC XII 01 00 37 39.4–.76 5.09S 133.54E 10 4.2b,4.1L
DJA XII 01 00 37 49.9–.70 5S–5.0 134E–7.0 54–32 4.6,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 07 07 12 30.7–14 6.74S 133.35E 93–146 3.7,3.5
¶602390577

IDC Error ellipse: s-maj=78.9km s-min=56.6km az=31.0.
IDC XII 07 22 52 49.3–2.5 5.59S 133.69E 0 4.0,3.8
¶602390754

IDC Error ellipse: s-maj=110.8km s-min=24.5km az=82.0.
IDC XII 11 00 21 57.1–5.7 5.98S 134.17E 0 3.4,3.4b
¶602391045

IDC Error ellipse: s-maj=312.6km s-min=32.2km az=79.0.
IDC XII 15 03 29 48.0–5.2 5.34S 133.93E 0 3.7,3.6
¶602391361

IDC Error ellipse: s-maj=268.2km s-min=27.4km az=76.0.
IDC XII 15 03 33 46.1–4.7 5.21S 134.21E 0 3.7,3.5
¶602391362

IDC Error ellipse: s-maj=219.3km s-min=28.1km az=75.0.
ISC XII 17 19 43 07.6–.61 5.44S–.05 132.12E–.06 35 3.9b 40 2-74
ISCJB XII 17 19 43 05.5–.37 5.44S–.03 132.22E–.05 33 3.9b **¶602047002**
NEIC XII 17 19 43 08.5–.97 5.48S 132.25E 46–10 4.4b
IDC XII 17 19 43 09.4–2.9 5.42S 132.05E 47–28 4.8L,4.0
DJA XII 17 19 43 13.6–.40 5S–2.0 132E–3.0 46–25 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(205) Near south coast of Irian Jaya.
IDC IX 11 11 32 56.3–1.2 7.44S 137.25E 477–21 4.1,3.3
¶601863351

IDC Error ellipse: s-maj=30.0km s-min=14.1km az=96.0.

(206) Near south coast of New Guinea.
IDC VII 24 06 00 46.2–1.7 7.90S 145.32E 0 3.9,3.9s
¶601666358

IDC Error ellipse: s-maj=41.6km s-min=30.9km az=59.0.
ISC XII 04 14 33 41.4–.70 7.35S–.09 144.10E–.09 35 4.2b 13 4-88
IDC XII 04 14 33 36.2–.96 7.31S 144.14E 0 4.2,4.2b **¶602390455**
ISCJB XII 04 14 33 39.3–.58 7.38S–.08 144.06E–.07 33 4.3b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 04 14 41 35.4–.44 7.35S–.06 143.96E–.06 35 4.6b,3.7s 64 4-149
NEIC XII 04 14 41 31.0–2.7 7.20S 144.08E 5–17 4.6b,3.7s **¶601996037**
IDC XII 04 14 41 30.8–.59 7.21S 144.07E 0 4.5,4.4
BJI XII 04 14 41 32.0 7.30S 143.80E 10 4.9b,4.7b
ISCJB XII 04 14 41 33.7–.29 7.29S–.04 144.05E–.05 35 4.5b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 04 15 05 50.1–1.1 7.7S–.10 144.3E–.10 35 4.0b 12 3-79
IDC XII 04 15 05 42.7–3.8 7.57S 144.80E 0 4.0b,3.9 **¶602035753**
NEIC XII 04 15 05 50.1–.67 7.48S 144.41E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=106.3km s-min=32.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.9km az=89.0.
IDC XII 04 15 33 17.6–11 7.12S 145.05E 0 3.7,3.7b
¶602390458

IDC Error ellipse: s-maj=255.4km s-min=40.9km az=89.0.
ISC XII 04 16 23 29.1–1.2 7.0S–.20 144.2E–.10 30 3.7b 7 4-78
IDC XII 04 16 23 24.7–1.4 6.95S 144.20E 0 3.8,3.7 **¶602390459**
ISCJB XII 04 16 23 27.3–1.0 7.0S–.10 144.2E–.10 30 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XII 04 16 23 52.2–2.2 7.04S 144.30E 0 3.8,3.6
¶602390462

IDC Error ellipse: s-maj=42.6km s-min=26.7km az=38.0.
ISC XII 04 17 04 20.1–.84 7.27S–.10 144.15E–.08 10 4.1b,3.4s 22 4-88
ISCJB XII 04 17 04 18.2–.52 7.30S–.06 144.08E–.06 10 4.1b,3.5s **¶602330110**
IDC XII 04 17 04 18.4–1.1 7.24S 144.16E 0 4.0,3.9b
NEIC XII 04 17 04 23.4–.64 7.32S 144.09E 35 4.2b,3.9b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.8km az=139.9.
IDC Error ellipse: s-maj=27.7km s-min=23.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.8km az=93.0.

ISC	**XII**	**04 18 26 35.1–1.1**	**7.4S–.20**	**144.0E–.10**	**35**	**3.8b**	**8**	**4-79**
IDC	XII	04 18 26 30.2–1.5	7.19S	144.05E	0	3.7,3.7b		**¶602390466**
ISCJB	XII	04 18 26 33.2–.90	7.4S–.10	144.04E–.08	35	3.7b,3.7b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**04 18 48 35.4–.55**	**7.40S–.06**	**144.01E–.07**	**35**	**4.5b,3.0s**	**48**	**4-143**
IDC	XII	04 18 48 30.0–.97	7.17S	144.15E	0	4.3,4.2b		**¶601996050**
ISCJB	XII	04 18 48 33.7–.37	7.33S–.04	144.06E–.05	35	4.5b,3.3s		
NEIC	XII	04 18 48 35.3–.51	7.26S	144.11E	35	4.1b,3.3s		

ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=20.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=166.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.6km az=95.0.

ISC	**XII**	**05 00 11 31.1–1.2**	**7.3S–.20**	**144.1E–.10**	**35**		**7**	**4-77**
IDC	XII	05 00 11 26.7–1.6	7.19S	144.01E	0	3.8,3.7		**¶602390476**
ISCJB	XII	05 00 11 29.1–1.1	7.3S–.10	144.12E–.09	35	3.8b,3.1s		

ISC Event type ke.
ISCJB Event type ke.

IDC	**XII**	**05 01 02 28.9–3.9**	**7.23S**	**144.70E**	**0**	**3.7,3.7b**		
								¶602390480

IDC Error ellipse: s-maj=130.5km s-min=28.1km az=105.0.

ISC	**XII**	**05 05 32 56.4–1.2**	**7.2S–.10**	**144.37E–.10**	**24**	**3.8b**	**8**	**4-77**
IDC	XII	05 05 32 53.2–1.6	7.20S	144.33E	0	3.7,3.6b		**¶602390487**
ISCJB	XII	05 05 32 54.3–1.1	7.1S–.10	144.36E–.08	24	3.5b,3.6b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**05 10 07 28.0–1.1**	**7.1S–.10**	**144.17E–.10**	**30**	**3.9b**	**10**	**4-78**
IDC	XII	05 10 07 23.7–1.2	7.10S	144.18E	0	3.9,3.8		**¶602390493**
ISCJB	XII	05 10 07 26.5–.87	7.3S–.10	144.04E–.08	30	3.8b,3.3s		

ISC Event type ke.
ISCJB Event type ke.

IDC	**XII**	**05 17 57 01.2–1.5**	**7.09S**	**144.12E**	**0**	**3.8,3.7**		
								¶602390512

IDC Error ellipse: s-maj=36.9km s-min=28.0km az=73.0.

IDC	**XII**	**05 19 12 09.7–2.2**	**7.56S**	**144.08E**	**0**	**3.7,3.6b**		
								¶602390516

IDC Error ellipse: s-maj=39.9km s-min=32.4km az=32.0.

ISC	**XII**	**08 06 16 57.2–.31**	**7.36S–.04**	**143.94E–.05**	**35**	**5.0b,4.2s**	**234**	**4-149**
IDC	XII	08 06 16 51.7–.50	7.20S	144.01E	0	4.9,4.8		**¶602030348**
BJI	XII	08 06 16 51.9	7.25S	144.59E	27	5.4b,5.1b		
MOS	XII	08 06 16 55.5–1.1	7.25S	144.01E	37	5.3b,5.1b		
ISCJB	XII	08 06 16 55.4–.19	7.28S–.03	143.99E–.03	35	5.0b,4.1s		
DJA	XII	08 06 16 56.3–2.3	7S–6.0	144E–8.0	25–15	6.0,5.3b		
GCMT	XII	08 06 16 57.0–.20	7.28S–.02	143.91E–.02	12	5.0W,5.3b		
NEIC	XII	08 06 16 57.0–.17	7.24S	144.01E	35	5.1b,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.5km az=81.0.
MOS Error ellipse: s-maj=11.3km s-min=6.8km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=178.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c43; s99,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.08 $M_{\theta\theta}$-1.96±.07; $M_{\phi\phi}$-1.26±.08; $M_{r\theta}$1.22±.26; $M_{\theta\phi}$1.69±.07; $M_{\phi r}$-1.88±.33; Best double couple: NP1:ϕ_s139.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s299.00000°,δ29.00000°,λ72.00000°. Principal axes: T 3.9570,Plg71.0000° ,Azm71.0000°; N 0.0120,Plg9.0000°,Azm315.0000°; P -3.9790,Plg17.0000°,Azm222.0000° M_o3.96800×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=100.0.

IDC	**XII**	**08 08 23 14.0–4.6**	**7.04S**	**143.48E**	**0**	**3.6,3.4**		
								¶602390798

IDC Error ellipse: s-maj=128.8km s-min=33.8km az=104.0.

ISC	**XII**	**08 10 27 30.6–.28**	**7.21S–.04**	**144.08E–.04**	**30**	**5.0b,3.7s**	**258**	**4-154**
IDC	XII	08 10 27 25.6–.53	7.21S	144.15E	0	4.8,4.7		**¶602032185**
BJI	XII	08 10 27 27.0	7.22S	144.61E	32	5.2b,5.0b		
MOS	XII	08 10 27 27.8–.95	7.22S	144.00E	23	5.3b,5.0b		
ISCJB	XII	08 10 27 29.2–.16	7.22S–.03	144.05E–.03	30	5.0b,3.7s		
DJA	XII	08 10 27 29.3–.40	7S–4.0	144E–6.0	10	5.6,5.3b		
GCMT	XII	08 10 27 30.4–.30	7.28S–.02	143.92E–.04	13–1	4.8W,5.3b		
NEIC	XII	08 10 27 30.4–1.2	7.17S	144.04E	27–9	5.0b,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=11.9km az=82.0.
MOS Error ellipse: s-maj=10.0km s-min=6.3km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=44.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s66,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.61±.14 $M_{\theta\theta}$-1.15±.09; $M_{\phi\phi}$-0.46±.09; $M_{r\theta}$0.47±.19; $M_{\theta\phi}$0.61±.05; $M_{\phi r}$-0.37±.26; Best double couple: NP1:ϕ_s123.00000°,δ56.00000°,λ93.00000°. NP2:ϕ_s298.00000°,δ35.00000°,λ86.00000°. Principal axes: T 1.7230,Plg79.0000° ,Azm43.0000°; N -0.1070,Plg2.0000°,Azm301.0000°; P -1.6170,Plg10.0000°,Azm211.0000° M_o1.67000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.7km az=48.0. Felt at Kerema.

ISC	**XII**	**08 12 41 43.5–1.1**	**7.2S–.10**	**144.2E–.10**	**30**	**3.7b**	**8**	**4-79**
IDC	XII	08 12 41 39.0–1.3	7.10S	144.17E	0	3.9,3.7		**¶602390814**
ISCJB	XII	08 12 41 41.7–.91	7.2S–.10	144.12E–.09	30	3.6b,3.7		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**08 13 18 11.6–.74**	**7.20S–.08**	**144.15E–.09**	**30**	**4.0b**	**14**	**4-88**
IDC	XII	08 13 18 07.0–.88	7.18S	144.17E	0	4.0,3.9		**¶602390817**
ISCJB	XII	08 13 18 09.6–.60	7.21S–.06	144.14E–.07	30	3.9b,3.3s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**08 14 08 08.6–.82**	**7.18S–.08**	**144.12E–.08**	**30**	**3.8b,3.8s**	**13**	**4-88**
IDC	XII	08 14 08 04.5–1.1	7.19S	143.98E	0	3.9,3.8		**¶602390820**
ISCJB	XII	08 14 08 07.2–.69	7.09S–.07	144.20E–.06	30	3.8s,3.7b		

ISC Event type ke.
ISCJB Event type ke.

IDC	**XII**	**08 16 08 45.0–2.1**	**7.29S**	**144.14E**	**0**	**3.6,3.6b**		
								¶602390827

IDC Error ellipse: s-maj=40.6km s-min=26.3km az=31.0.

ISC	**XII**	**08 16 35 18.2–.50**	**7.30S–.03**	**144.02E–.03**	**20–2**	**5.6s,5.5b**	**789**	**4-156**
IDC	XII	08 16 35 14.7–.33	7.18S	144.06E	0	5.4s,5.4		**¶602032199**
BJI	XII	08 16 35 15.8	7.18S	143.97E	10	6.0b,5.5		
NEIC	XII	08 16 35 16.8–.15	7.21S	143.97E	10	5.7b,5.6W		
ISCJB	XII	08 16 35 17.0–.12	7.27S–.02	143.94E–.02	21	5.5s,5.4b		
MOS	XII	08 16 35 17.4–1.2	7.21S	143.98E	24	5.9b,5.3s		
NEIC	XII	08 16 35 17.0–.00	7.11S	143.93E	15	5.9b,5.3s		
DJA	XII	08 16 35 18.7–.90	7S–2.0	144E–3.0	14–6	6.6,6.1b		
GCMT	XII	08 16 35 20.8–.10	7.29S	143.98E	12	5.8W,6.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=92.0. Felt at Kerema, Mendi and Tari. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}3.71 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-1.37 $M_{r\theta}$1.15 $M_{\theta\phi}$1.20 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s123.00000°,δ56.00000° ,λ89.00000°. NP2:ϕ_s305.00000°,δ34.00000°,λ91.00000°. Principal axes: T 3.9700,Plg79.0000°,Azm30.0000°; N -0.5600,Plg1.0000°,Azm124.0000° ; P -3.4100,Plg11.0000°,Azm214.0000° M_o3.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.7km az=150.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=102.5.
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$-2.73 $M_{\phi\phi}$-0.65 $M_{r\theta}$1.68 $M_{\theta\phi}$0.56 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s99.00000° ,δ59.00000°,λ86.00000°. NP2:ϕ_s287.00000°,δ31.00000°,λ97.00000°. Principal axes: T 3.8100,Plg75.0000°,Azm357.0000°; N -0.5300,Plg3.0000°,Azm101.0000° ; P -3.2800,Plg13.0000°,Azm192.0000° M_o3.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c243; s144,c437; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.83±.04 $M_{\theta\theta}$-4.05±.04; $M_{\phi\phi}$-1.79±.04; $M_{r\theta}$1.08±.12; $M_{\theta\phi}$2.97±.04; $M_{\phi r}$-0.95±.12; Best double couple: NP1:ϕ_s126.00000°,δ52.00000° ,λ92.00000°. NP2:ϕ_s303.00000°,δ38.00000°,λ87.00000°. Principal axes: T 6.0030,Plg83.0000°,Azm48.0000°; N 0.2530,Plg2.0000°,Azm305.0000° ; P -6.2660,Plg7.0000°,Azm215.0000° M_o6.13500×10^{17}

ISC	**XII**	**08 17 02 57.3–.72**	**7.22S–.09**	**144.19E–.07**	**30**	**4.0b**	**26**	**4-88**
IDC	XII	08 17 02 53.2–1.1	7.18S	144.22E	0	4.2,4.0		**¶602330392**
NEIC	XII	08 17 02 54.8–.48	7.20S	144.20E	10	4.3b,4.0		
ISCJB	XII	08 17 02 55.5–.46	7.25S–.06	144.20E–.05	30	4.0b,4.0		

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

ISC	**XII**	**08 17 30 39.2–.89**	**7.3S–.10**	**144.1E–.10**	**30**	**3.9b**	**11**	**4-86**
IDC	XII	08 17 30 34.6–1.1	7.15S	144.21E	0	3.9,3.8		**¶602390829**
ISCJB	XII	08 17 30 37.5–.65	7.26S–.09	144.11E–.08	30	3.8b,3.8		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**08 17 31 32.8–.87**	**7.2S–.10**	**144.1E–.10**	**30**	**4.0b**	**12**	**4-86**
ISCJB	XII	08 17 31 31.1–.64	7.13S–.09	144.11E–.08	30	3.9b		**¶602390830**
IDC	XII	08 17 31 35.4–4.6	7.21S	144.19E	57–49	4.0,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=9.0km az=41.0.
IDC Error ellipse: s-maj=30.5km s-min=21.8km az=151.0.

IDC	**XII**	**08 17 41 30.5–2.3**	**7.08S**	**144.23E**	**0**	**3.5,3.4b**		
								¶602390831

IDC Error ellipse: s-maj=48.3km s-min=27.5km az=39.0.

ISC	**XII**	**08 19 00 07.4–.28**	**7.34S–.04**	**144.03E–.04**	**10**	**4.9b,4.0s**	**281**	**4-154**
IDC	XII	08 19 00 05.6–.51	7.29S	144.19E	0	4.7,4.7b		**¶602032202**
ISCJB	XII	08 19 00 06.0–.16	7.29S–.02	144.06E–.03	10	4.8b,4.1s		
BJI	XII	08 19 00 06.4	7.26S	144.42E	22	5.2b,4.9s		
NEIC	XII	08 19 00 07.4–.16	7.26S	144.04E	10	5.0b,4.9s		
MOS	XII	08 19 00 07.9–.98	7.31S	144.06E	25	5.2b,4.9s		
DJA	XII	08 19 00 11.9–1.8	7S–4.0	144E–6.0	25–12	5.6,5.2b		
GCMT	XII	08 19 00 11.4–.30	7.40S–.02	144.01E–.04	12–1	4.8W,5.2b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Mendi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c14; s64,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.18 $M_{\theta\theta}$-1.46±.11; $M_{\phi\phi}$-0.49±.11; $M_{r\theta}$0.87±.27; $M_{\theta\phi}$0.47±.06; $M_{\phi r}$-0.01±.33; Best double couple: NP1:ϕ_s104.00000°,δ58.00000°,λ82.00000°. NP2:ϕ_s298.00000°,δ33.00000°,λ102.00000°. Principal axes: T 2.1650,Plg76.0000° ,Azm351.0000°; N -0.3410,Plg7.0000°,Azm108.0000°; P -1.8300,Plg12.0000° ,Azm200.0000° M_o1.99700×10^{16}

ISC	**XII**	**08 21 12 57.8–.47**	**7.39S–.07**	**144.05E–.07**	**35**	**4.4b,3.5s**	**35**	**4-149**
IDC	XII	08 21 12 52.7–.69	7.16S	144.07E	0	4.5,4.4		**¶602032205**
ISCJB	XII	08 21 12 55.8–.36	7.29S–.05	144.08E–.05	35	4.5b,3.4s		
NEIC	XII	08 21 12 55.1–4.5	7.23S	144.08E	18–28	4.5b,3.4s		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=15.1km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.5km az=153.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=159.0.

IDC	**XII**	**08 21 39 26.8–7.3**	**7.31S**	**144.25E**	**0**	**3.6,3.5b**		
								¶602390851

IDC Error ellipse: s-maj=147.7km s-min=39.1km az=93.0.

ISC	**XII**	**09 04 04 30.8–.96**	**7.2S–.10**	**144.2E–.10**	**24**	**3.8b**	**9**	**4-86**
IDC	XII	09 04 04 26.9–1.2	7.16S	144.25E	0	3.8,3.8b		**¶602390878**
ISCJB	XII	09 04 04 29.0–.78	7.2S–.10	144.16E–.08	24	3.8b,3.2s		

ISC Event type ke.
ISCJB Event type ke.

IDC	**XII**	**09 05 34 10.0–1.5**	**7.21S**	**144.25E**	**0**	**3.8,3.7b**		
								¶602390884

IDC Error ellipse: s-maj=40.0km s-min=24.6km az=51.0.

ISC	**XII**	**09 05 52 55.8–.55**	**7.17S–.07**	**144.27E–.07**	**24**	**4.5b**	**47**	**4-149**
IDC	XII	09 05 52 52.4–.92	7.09S	144.25E	0	4.3,4.2		**¶602340301**
ISCJB	XII	09 05 52 54.1–.38	7.23S–.04	144.21E–.06	24	4.5b,3.5s		
NEIC	XII	09 05 52 57.3–.39	7.19S	144.33E	35	4.2b,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=20.4km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=163.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.1km az=106.0.

IDC	**XII**	**09 20 21 46.9–11**	**7.33S**	**144.95E**	**0**	**3.7,3.7s**		
								¶602390924

IDC Error ellipse: s-maj=257.6km s-min=40.2km az=90.0.

ISC	**XII**	**09 21 12 33.4–.48**	**7.08S–.06**	**144.03E–.07**	**30**	**4.8b**	**44**	**4-149**
IDC	XII	09 21 12 29.4–.82	7.07S	144.14E	0	4.4,4.3b		**¶602330395**
ISCJB	XII	09 21 12 31.9–.36	7.15S–.04	143.94E–.06	30	4.6b,4.3b		
NEIC	XII	09 21 12 34.4–.41	7.17S	144.04E	35	4.6b,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=18.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=179.1.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=106.0.

ISC	**XII**	**09 21 13 23.8–1.3**	**7.8S–.40**	**144.2E–.30**	**35**	**4.1b**	**7**	**3-146**
IDC	XII	09 21 13 19.1–1.4	7.66S	144.10E	0	4.3,4.2		**¶602390932**

ISC Event type ke.
IDC Error ellipse: s-maj=84.8km s-min=27.3km az=39.0.

ISC	**XII**	**10 12 04 17.1–1.0**	**7.2S–.10**	**144.1E–.10**	**30**	**4.0b,3.0s**	**9**	**4-86**
IDC	XII	10 12 04 12.9–1.4	7.10S	144.08E	0	3.9b,3.9		**¶602390978**
ISCJB	XII	10 12 04 15.2–.78	7.2S–.10	144.11E–.08	30	4.0b,3.0s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**10 12 04 45.6–1.1**	**7.4S–.20**	**144.1E–.10**	**35**	**3.9b**	**8**	**4-79**
IDC	XII	10 12 04 40.5–1.3	7.26S	144.18E	0	4.0,3.8		**¶602390981**
ISCJB	XII	10 12 04 43.6–.90	7.4S–.10	144.10E–.08	33	3.8b,3.8		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**11 11 05 58.8–.86**	**7.47S–.09**	**143.98E–.09**	**35**	**4.2b**	**13**	**4-81**
IDC	XII	11 11 05 53.6–1.1	7.27S	144.03E	0	4.2,4.1b		**¶602391085**
ISCJB	XII	11 11 05 56.4–.66	7.35S–.07	144.05E–.07	33	4.0b,3.2s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**14 20 26 03.3–.70**	**7.18S–.07**	**144.14E–.08**	**35**	**3.9b**	**28**	**4-88**
IDC	XII	14 20 25 58.3–1.0	7.22S	144.17E	0	3.9,3.8b		**¶602342558**
ISCJB	XII	14 20 26 01.5–.46	7.32S–.05	144.00E–.06	33	4.0b,3.8b		
NEIC	XII	14 20 26 03.8–.49	7.30S	143.96E	35	4.1b,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=22.4km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.0km az=156.7.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.3km az=91.0.

IDC	**XII**	**15 22 22 46.2–1.6**	**7.10S**	**144.06E**	**0**	**3.7,3.7b**		
								¶602391425

IDC Error ellipse: s-maj=42.9km s-min=28.7km az=64.0.

ISC	**XII**	**18 22 54 09.0–.36**	**7.39S–.05**	**144.12E–.05**	**35**	**4.8b**	**126**	**4-149**
BJI	XII	18 22 54 02.7	7.75S	144.68E	34	5.1b,4.9s		**¶602051533**
IDC	XII	18 22 54 03.5–.63	7.20S	144.21E	0	4.7,4.6		
NEIC	XII	18 22 54 05.5–.34	7.17S	144.14E	10	4.9b,4.6		
ISCJB	XII	18 22 54 06.9–.23	7.35S–.03	144.19E–.03	33	4.7b,3.5s		
MOS	XII	18 22 54 06.9–.83	7.27S	144.13E	33	5.0b,3.5s		
DJA	XII	18 22 54 12.1–.70	7S–5.0	144E–6.0	46–8	5.5b,5.4		

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

ISC	**XII**	**19 18 31 27.8–1.2**	**7.5S–.20**	**144.1E–.10**	**35**		**7**	**4-77**
IDC	XII	19 18 31 23.1–1.6	7.38S	144.06E	0	3.8,3.7		**¶602391678**
ISCJB	XII	19 18 31 25.7–1.1	7.5S–.10	144.10E–.08	33	3.5b,2.9s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**19 21 31 25.4–.68**	**7.3S–.10**	**144.1E–.10**	**35**	**4.2b,3.3s**	**22**	**4-149**
IDC	XII	19 21 31 20.2–.97	7.19S	144.18E	0	4.2,4.1		**¶602391687**
ISCJB	XII	19 21 31 23.7–.46	7.35S–.08	144.09E–.07	35	4.1b,3.3s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**22 05 02 39.7–.98**	**7.6S–.10**	**143.98E–.09**	**35**	**3.9b**	**10**	**4-86**
IDC	XII	22 05 02 34.5–1.3	7.24S	144.15E	0	4.0,3.9		**¶602391848**
ISCJB	XII	22 05 02 37.9–.76	7.42S–.08	144.09E–.07	35	3.9b,3.9		

ISC Event type ke.
ISCJB Event type ke.
ISC XII 22 11 18 45.2–1.1 7.5S–.10 144.07E–.10 35 3.8b 8 4-79
IDC XII 22 11 18 40.4–1.4 7.23S 144.12E 0 4.0,3.8 **¶602391861**
ISCJB XII 22 11 18 43.3–.86 7.45S–.09 144.09E–.07 33 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 22 13 27 25.7–.88 7.51S–.10 144.10E–.09 35 3.8b 12 4-88
IDC XII 22 13 27 21.1–1.1 7.21S 144.20E 0 4.0,3.8 **¶602391866**
ISCJB XII 22 13 27 24.0–.64 7.49S–.06 144.14E–.06 33 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 22 19 01 00.7–2.1 7.52S 144.20E 0 3.4,3.3
¶602391882

IDC Error ellipse: s-maj=41.0km s-min=26.3km az=25.0.
ISC XII 24 06 03 44.5–.74 7.53S–.08 144.04E–.08 35 3.8b 15 4-149
ISCJB XII 24 06 03 42.6–.63 7.44S–.07 144.14E–.06 33 3.8b **¶602391974**
IDC XII 24 06 03 48.2–3.9 7.43S 144.39E 75–42 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.9km az=27.8.
IDC Error ellipse: s-maj=29.2km s-min=22.3km az=147.0.
IDC XII 25 08 09 44.0–5.2 8.29S 144.80E 0 3.9b,3.5
¶602380576

IDC Error ellipse: s-maj=162.1km s-min=37.1km az=104.0.
ISC XII 27 12 05 55.7–1.8 7.5S–.20 144.3E–.30 35 3.9b 7 16-88
IDC XII 27 12 05 50.4–1.9 7.21S 144.55E 0 4.8,4.8s **¶602380715**
ISCJB XII 27 12 05 52.7–1.7 7.6S–.20 144.4E–.30 35 4.8s,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 31 07 06 33.0–3.4 7.5S–.20 143.9E–.60 35 6 4-77
IDC XII 31 07 06 27.6–1.7 7.19S 144.17E 0 3.8,3.7b **¶602380475**
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=28.5km az=77.0.

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ISC VII 02 12 58 14.7–1.3 5.4S–.10 147.3E–.30 170 3.7b 8 4-145
ISCJB VII 02 12 58 13.7–1.2 5.36S–.09 147.3E–.20 170 3.8b **¶601663398**
IDC VII 02 12 58 16.1–3.4 5.53S 147.48E 189–39 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.0km s-min=12.1km az=179.7.
IDC Error ellipse: s-maj=56.1km s-min=23.1km az=131.0.
IDC VII 02 19 33 17.8–5.5 5.60S 147.43E 195–57 3.9,3.5
¶601663407

IDC Error ellipse: s-maj=92.2km s-min=44.0km az=129.0.
ISC VII 04 10 26 22.6–.35 5.80S–.04 147.46E–.06 77 4.7b 123 4-145
BJI VII 04 10 26 20.1 6.01S 147.99E 98 5.1b,4.9b **¶601240443**
ISCJB VII 04 10 26 21.7–.26 5.73S–.03 147.41E–.05 77 4.7b,4.9b
DJA VII 04 10 26 23.8–.90 6S–5.0 148E–9.0 91–8 5.8b,5.5
NEIC VII 04 10 26 26.3–.59 5.79S 147.44E 114–6 4.9b,5.5
IDC VII 04 10 26 28.9–1.9 5.78S 147.49E 141–18 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=5.4.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=101.0.
IDC Error ellipse: s-maj=13.9km s-min=7.6km az=92.0.
IDC VII 05 21 53 01.1–2.1 5.36S 146.67E 149–22 3.8,3.5
¶601663522

IDC Error ellipse: s-maj=26.5km s-min=18.5km az=82.0.
IDC VII 06 23 21 20.3–2.6 6.08S 147.89E 0 3.8,3.7
¶601663564

IDC Error ellipse: s-maj=78.1km s-min=24.1km az=93.0.
IDC VII 07 13 38 38.9–2.8 8.10S 147.43E 0 3.9,3.7
¶601663592

IDC Error ellipse: s-maj=83.5km s-min=16.3km az=93.0.
IDC VII 08 04 48 39.8–6.7 5.42S 145.73E 110–59 3.8,3.7
¶601664275

IDC Error ellipse: s-maj=53.7km s-min=21.8km az=101.0.
IDC VII 14 22 10 57.4–5.5 5.86S 146.39E 101–58 3.8,3.7
¶601664590

IDC Error ellipse: s-maj=45.2km s-min=36.3km az=146.0.
IDC VII 15 01 36 13.9–2.7 5.42S 146.94E 116–25 3.7,3.4
¶601664600

IDC Error ellipse: s-maj=31.7km s-min=20.8km az=74.0.
IDC VII 15 09 56 59.6–7.0 5.06S 146.48E 92–75 4.0,3.8
¶601664614

IDC Error ellipse: s-maj=59.6km s-min=26.6km az=140.0.
IDC VII 15 10 05 49.3–6.1 5.35S 145.52E 107–58 3.8,3.6
¶601664615

IDC Error ellipse: s-maj=48.6km s-min=26.6km az=142.0.
IDC VII 15 22 02 57.2–4.7 5.68S 147.56E 197–51 3.7,3.4
¶601664648

IDC Error ellipse: s-maj=95.9km s-min=26.5km az=130.0.
ISC VII 16 17 41 36.8–1.3 6.1S–.10 146.9E–.20 78 3.9b 13 3-145
ISCJB VII 16 17 41 35.4–1.4 6.1S–.10 147.1E–.10 78 3.9b **¶601664683**
IDC VII 16 17 41 39.1–5.6 6.22S 147.20E 95–39 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=14.0km az=42.8.
IDC Error ellipse: s-maj=44.0km s-min=30.6km az=11.0.
ISC VII 18 07 44 13.7–1.2 6.3S–.10 147.0E–.30 49 3.9b 9 3-150
IDC VII 18 07 44 06.9–1.1 6.26S 147.09E 0 4.1,4.0 **¶601664777**
ISCJB VII 18 07 44 12.0–1.2 6.31S–.09 146.8E–.20 49 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 19 13 23 32.7–1.2 5.30S 146.21E 0 3.9,3.7
¶601664834

IDC Error ellipse: s-maj=52.1km s-min=23.5km az=101.0.
ISC VII 19 19 01 53.2–2.1 6.3S–.10 147.2E–.40 78 7 3-145
IDC VII 19 19 01 44.1–2.1 6.05S 147.23E 0 3.8,3.8L **¶601664842**
ISCJB VII 19 19 01 52.4–2.2 6.2S–.10 147.1E–.30 78 3.2b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC VII 19 19 14 46.5–6.3 5.7S–.50 146.2E–.50 35 3.4b,3.1s 5 4-77
IDC VII 19 19 14 40.6–2.4 5.60S 146.28E 0 3.7,3.7L **¶601664844**
ISC Event type ke.
IDC Error ellipse: s-maj=64.2km s-min=23.9km az=81.0.
ISC VII 20 01 26 05.0–.48 5.49S–.05 146.78E–.09 150 4.5b 53 3-147
ISCJB VII 20 01 26 03.4–.36 5.46S–.04 146.79E–.07 150 4.3b **¶601456419**
IDC VII 20 01 26 04.3–.86 5.39S 146.73E 150–6 4.3,4.1
NEIC VII 20 01 26 05.7–.62 5.42S 146.78E 161–6 4.4b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.1km az=7.8.
IDC Error ellipse: s-maj=25.3km s-min=10.7km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=5.6km az=108.0. Felt at Lae.
IDC VII 20 07 50 01.1–2.2 7.66S 148.14E 0 3.8,3.7
¶601664865

IDC Error ellipse: s-maj=64.5km s-min=23.5km az=103.0.
IDC VII 20 20 48 08.4–7.2 5.56S 147.60E 182–80 3.4,3.0
¶601664885

IDC Error ellipse: s-maj=153.6km s-min=51.4km az=122.0.
ISC VII 21 18 25 31.4–1.8 7.2S–.10 146.7E–.30 33 8 2-145
IDC VII 21 18 25 26.3–2.0 7.19S 146.79E 0 4.0,3.9 **¶601664929**
ISCJB VII 21 18 25 30.2–1.8 7.2S–.10 146.6E–.20 33 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 22 03 01 58.9–6.8 6.29S 147.39E 75–53 4.0L,3.8
¶601664940

IDC Error ellipse: s-maj=75.0km s-min=49.2km az=93.0.
IDC VII 22 19 06 33.4–1.7 7.31S 146.19E 182–27 3.6,3.2
¶601664988

IDC Error ellipse: s-maj=49.0km s-min=15.3km az=103.0.
ISC VII 23 17 49 26.2–.44 5.44S–.05 146.67E–.06 123 4.4b 61 4-150
ISCJB VII 23 17 49 24.2–.35 5.39S–.04 146.85E–.05 123 4.3b **¶601462439**
IDC VII 23 17 49 27.1–1.5 5.48S 146.65E 140–15 4.5,4.2
NEIC VII 23 17 49 28.2–1.1 5.46S 146.66E 148–12 4.8b,4.2
DJA VII 23 17 49 35.4–.60 6S–3.0 146E–4.0 103–7 5.5,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 26 13 17 28.3–.43 5.49S–.06 147.31E–.08 200 4.2b 56 3-152
ISCJB VII 26 13 17 27.2–.34 5.35S–.04 147.18E–.07 200 4.0b **¶601479691**
BJI VII 26 13 17 27.2 5.51S 147.22E 207 4.4b,4.4b
IDC VII 26 13 17 27.2–1.2 5.48S 147.15E 192–11 4.4,4.0
NEIC VII 26 13 17 29.6–.56 5.45S 147.23E 215–6 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=11.4.
IDC Error ellipse: s-maj=15.7km s-min=7.6km az=101.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=104.0.
IDC VII 27 04 52 56.1–7.3 5.85S 147.15E 139–77 3.9,3.7
¶601666509

IDC Error ellipse: s-maj=102.5km s-min=30.9km az=134.0.
IDC VII 27 16 09 12.0–2.8 5.79S 147.59E 236–40 3.9,3.7
¶601666528

IDC Error ellipse: s-maj=93.1km s-min=18.4km az=123.0.
IDC VII 27 18 23 49.0–4.3 5.91S 147.72E 214–47 3.4,3.1
¶601666532

IDC Error ellipse: s-maj=97.1km s-min=26.0km az=131.0.
IDC VII 27 20 31 57.1–2.8 7.64S 146.52E 0 3.6,3.6s
¶601666537

IDC Error ellipse: s-maj=60.1km s-min=37.1km az=62.0.
ISC VII 29 22 09 15.3–.63 6.41S–.07 147.95E–.09 51 4.1b 32 3-151
ISCJB VII 29 22 09 13.4–.52 6.39S–.06 147.97E–.07 51 4.2b **¶601666646**
NEIC VII 29 22 09 14.7–1.3 6.38S 147.96E 44–13 4.4b
IDC VII 29 22 09 15.4–2.5 6.42S 147.95E 50–23 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.8km az=9.3.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.3km az=148.0.
IDC Error ellipse: s-maj=29.4km s-min=17.5km az=104.0.
IDC VII 31 05 16 27.1–6.0 5.59S 147.55E 198–62 3.6,3.3
¶601650803

IDC Error ellipse: s-maj=107.3km s-min=47.5km az=129.0.
ISC VIII 01 03 19 22.0–1.2 5.4S–.10 146.8E–.10 150 3.7b 11 4-85
ISCJB VIII 01 03 19 20.9–1.1 5.38S–.09 146.8E–.10 150 3.6b **¶601765298**
IDC VIII 01 03 19 21.4–2.6 5.28S 146.92E 147–23 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=8.4km az=144.6.
IDC Error ellipse: s-maj=34.4km s-min=21.0km az=93.0.
ISC VIII 01 14 51 59.2–.39 5.40S–.05 146.75E–.06 250 4.0b 65 3-147
BJI VIII 01 14 51 55.7 5.58S 147.26E 242 4.8b,4.4b **¶601499063**
ISCJB VIII 01 14 51 58.6–.29 5.38S–.04 146.82E–.06 250 4.0b,4.4b
IDC VIII 01 14 51 58.1–.50 5.41S 146.73E 230–4 4.4,3.8
NEIC VIII 01 14 51 59.6–.51 5.38S 146.78E 245–6 4.6b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=9.8.
IDC Error ellipse: s-maj=11.6km s-min=6.5km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=5.7km az=116.0. Felt at Kainantu.
IDC VIII 03 00 47 45.0–1.4 5.05S 145.03E 0 3.9,3.8
¶601765374

IDC Error ellipse: s-maj=43.8km s-min=26.5km az=105.0.
ISC VIII 04 23 28 12.7–.71 5.40S–.08 147.4E–.10 170 3.8b 17 4-145
ISCJB VIII 04 23 28 11.1–.87 5.38S–.07 147.5E–.20 170 3.8b **¶601765473**
IDC VIII 04 23 28 13.9–2.4 5.43S 147.40E 186–20 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=9.0km az=173.5.
IDC Error ellipse: s-maj=27.0km s-min=14.9km az=84.0.
IDC VIII 05 05 03 41.6–6.8 6.04S 147.23E 127–73 4.0,3.8
¶601765484

IDC Error ellipse: s-maj=88.2km s-min=30.4km az=139.0.
ISC VIII 06 13 50 07.3–1.8 5.2S–.20 146.2E–.10 27 4.0b 13 3-27
IDC VIII 06 13 50 02.2–8.8 4.90S 146.00E 0 4.2,4.1 **¶601564301**
NEIC VIII 06 13 50 10.8–1.5 5.26S 145.90E 41–26 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=130.8km s-min=47.6km az=29.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.1km az=99.0.
ISC VIII 06 18 25 10.3–1.1 6.35S–.10 146.8E–.10 50 4.1b 17 3-152
IDC VIII 06 18 25 09.9–2.2 6.20S 146.95E 72–19 4.1,3.9 **¶601765568**
DJA VIII 06 18 25 13.6–2.3 7S–8.0 147E–10 24–24 5.3b,4.8
ISC Event type ke.
ISC VIII 07 04 27 22.9–1.1 5.35S–.10 147.0E–.20 195 3.7b 12 4-145
ISCJB VIII 07 04 27 21.4–1.1 5.30S–.08 147.1E–.10 195 4.0b **¶601765587**
IDC VIII 07 04 27 25.1–1.5 5.48S 146.99E 217–12 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=11.2km az=177.5.
IDC Error ellipse: s-maj=21.0km s-min=13.5km az=112.0.
IDC VIII 07 15 52 60.0–2.8 5.98S 147.11E 0 3.4,3.3
¶601765614

IDC Error ellipse: s-maj=72.5km s-min=28.1km az=95.0.
ISC VIII 08 16 14 05.0–.41 6.31S–.05 146.64E–.06 110 4.6b 85 3-145
ISCJB VIII 08 16 14 03.6–.32 6.32S–.03 146.66E–.04 110 4.5b **¶601532050**
IDC VIII 08 16 14 03.4–.78 6.27S 146.81E 100–7 4.6,4.3
BJI VIII 08 16 14 03.9 6.26S 146.81E 109 5.0b,4.7b
NEIC VIII 08 16 14 04.4–.37 6.25S 146.62E 101 4.7b,4.7b
DJA VIII 08 16 14 05.2–1.2 6S–9.0 147E–13 70–7 5.4b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 08 20 22 23.9–1.0 8.4S–.10 148.4E–.20 35 3.6b 13 2-84
ISCJB VIII 08 20 22 21.7–.82 8.42S–.09 148.4E–.10 33 3.6b **¶601765670**
IDC VIII 08 20 22 26.8–3.5 8.56S 148.27E 62–28 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=9.8km az=30.4.
IDC Error ellipse: s-maj=33.8km s-min=22.7km az=92.0.
IDC VIII 09 03 20 06.4–7.4 6.30S 146.36E 116–75 3.4,3.2
¶601765681

IDC Error ellipse: s-maj=74.0km s-min=32.7km az=147.0.
ISC VIII 11 00 37 49.5–.76 5.21S–.08 146.0E–.10 27 4.1b,3.2s 21 4-151
IDC VIII 11 00 37 45.4–.96 5.17S 145.99E 0 4.2,4.1 **¶601582223**
ISCJB VIII 11 00 37 47.7–.65 5.23S–.07 146.0E–.10 27 4.1b,3.2s
NEIC VIII 11 00 37 50.5–2.3 5.28S 146.13E 36–21 4.1b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=20.9km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=8.7km az=163.7.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=14.9km az=131.0.
ISC VIII 11 20 42 32.3–.40 6.30S–.05 147.30E–.07 63 4.9b 94 3-152
ISCJB VIII 11 20 42 30.7–.27 6.26S–.03 147.32E–.05 63 4.8b **¶601713637**
NEIC VIII 11 20 42 32.8–1.0 6.26S 147.31E 69–9 4.8b
IDC VIII 11 20 42 32.6–2.1 6.24S 147.20E 60–19 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=162.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.3km az=59.0.
IDC Error ellipse: s-maj=22.5km s-min=11.5km az=98.0.
ISC VIII 15 23 23 49.4–.50 7.52S–.05 147.0E–.10 32 4.7b,3.7s 95 2-153
IDC VIII 15 23 23 44.0–.59 7.44S 147.01E 0 4.6,4.5 **¶601564024**
ISCJB VIII 15 23 23 48.0–.38 7.52S–.04 146.91E–.08 32 4.6b,3.8s
BJI VIII 15 23 23 47.9 7.81S 147.27E 45 5.1b,4.9s
NEIC VIII 15 23 23 51.4–1.3 7.55S 146.90E 51–12 4.6b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=13.2km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.4km az=2.1.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.2km az=78.0.
IDC VIII 16 05 30 19.7–2.9 5.38S 146.64E 175–35 3.9,3.6
¶601765918

IDC Error ellipse: s-maj=49.5km s-min=14.2km az=121.0.
IDC VIII 16 10 18 57.8–2.4 5.98S 147.61E 256–31 3.7,3.3

¶601765931
IDC Error ellipse: s-maj=61.3km s-min=22.7km az=127.0.
IDC VIII 17 12 13 41.6–6.4 6.59S 147.46E 111–58 3.6,3.4
¶601765987
IDC Error ellipse: s-maj=76.9km s-min=51.7km az=125.0.
ISC VIII 18 06 05 22.8–2.5 6.4S–.10 147.7E–.30 63 8 3-146
IDC VIII 18 06 05 17.4–2.9 6.36S 147.37E 0 3.8,3.7 ¶601766031
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=31.0km az=87.0.
IDC VIII 18 12 18 56.5–6.2 5.66S 145.86E 118–70 3.5,3.2
¶601766058
IDC Error ellipse: s-maj=61.0km s-min=22.6km az=135.0.
IDC VIII 18 21 07 17.5–3.4 6.48S 147.26E 0 3.5,3.4b
¶601766106
IDC Error ellipse: s-maj=92.4km s-min=40.7km az=94.0.
IDC VIII 18 21 38 59.6–3.2 6.43S 147.13E 0 3.7,3.6b
¶601766111
IDC Error ellipse: s-maj=87.7km s-min=41.0km az=95.0.
ISC VIII 20 07 23 20.8–.95 5.56S–.08 147.3E–.20 170 3.6b 16 4-145
IDC VIII 20 07 23 18.2–1.5 5.48S 147.40E 145–13 4.1,3.7 ¶601766180
ISCJB VIII 20 07 23 19.4–.84 5.47S–.07 147.4E–.10 170 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 21 11 48 41.0–4.1 6.34S 147.75E 0 3.1,3.0
¶601766251
IDC Error ellipse: s-maj=146.7km s-min=48.4km az=114.0.
IDC VIII 21 20 15 51.2–6.5 5.67S 147.84E 164–62 3.5,3.2
¶601766271
IDC Error ellipse: s-maj=97.4km s-min=49.6km az=130.0.
ISC VIII 22 03 36 40.1–.41 6.12S–.04 147.08E–.06 78 4.6b 100 3-152
BJI VIII 22 03 36 36.0 6.03S 147.35E 62 5.0b,4.8b ¶601610738
ISCJB VIII 22 03 36 37.9–.33 6.05S–.03 147.15E–.05 78 4.5b,4.8b
NEIC VIII 22 03 36 37.7–.69 6.00S 147.20E 62–6 4.5b,4.8b
IDC VIII 22 03 36 37.5–1.8 6.02S 147.18E 58–16 4.3,4.2
DJA VIII 22 03 36 45.1–1.8 7S–13 147E–13 83–13 5.5b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 22 11 38 18.0–.21 6.06S–.03 147.31E–.04 77 5.3b 550 3-154
MOS VIII 22 11 38 11.9–.91 5.87S 147.19E 33 5.2b ¶601610563
BJI VIII 22 11 38 14.5 6.11S 147.95E 86 5.0b,5.0b
ISCJB VIII 22 11 38 16.7–.12 6.03S–.02 147.28E–.02 77 5.2b,5.0b
IDC VIII 22 11 38 18.1–.90 5.97S 147.27E 77–7 5.1,4.8
NEIC VIII 22 11 38 19.6–.45 6.05S 147.25E 91–4 5.3b,4.8
DJA VIII 22 11 38 20.1–.50 6S–3.0 147E–4.0 87–4 6.3,5.8b
GCMT VIII 22 11 38 21.6–.10 6.17S–.01 147.28E–.01 93–1 5.3W,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Goroka, Kainantu and Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c142; s105,c193;Duration: 1↡1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$0.41±.02; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$-0.87±.01; $M_{\theta\phi}$0.10±.02; $M_{\phi r}$0.56±.02; Best double couple: NP1:ϕ_s122.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s220.00000°,δ20.00000°,λ-171.00000°. Principal axes: T 1.1110,Plg39.0000° ,Azm194.0000°; N -0.0130,Plg19.0000°,Azm301.0000°; P -1.0980,Plg45.0000° ,Azm52.0000° $M_0$1.10500×10^{17}
IDC VIII 22 12 29 07.4–4.9 6.14S 147.61E 98–44 4.1,4.0
¶601766300
IDC Error ellipse: s-maj=53.1km s-min=31.2km az=132.0.
ISC VIII 23 11 42 00.4–1.0 5.47S–.10 147.2E–.20 195 3.6b 10 4-97
ISCJB VIII 23 11 41 59.5–.95 5.47S–.08 147.2E–.10 195 3.9b ¶601766355
IDC VIII 23 11 42 00.7–2.2 5.41S 147.13E 200–20 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=11.1km az=171.1.
IDC Error ellipse: s-maj=24.5km s-min=18.5km az=113.0.
IDC VIII 25 21 58 47.5–7.3 6.28S 146.45E 104–72 3.5,3.4L
¶601766465
IDC Error ellipse: s-maj=68.1km s-min=29.7km az=145.0.
IDC VIII 25 22 46 46.0–7.3 6.39S 146.89E 147–80 3.1,2.8
¶601766468
IDC Error ellipse: s-maj=118.7km s-min=51.9km az=124.0.
IDC VIII 28 23 27 33.5–5.4 5.72S 146.61E 58–45 3.5,3.5
¶601755536
IDC Error ellipse: s-maj=34.9km s-min=31.2km az=169.0.
ISC VIII 29 11 58 54.8–.57 6.12S–.06 147.21E–.08 77 4.9b 40 3-152
IDC VIII 29 11 58 53.1–2.6 5.79S 147.39E 81–19 4.4,4.3 ¶601653030
ISCJB VIII 29 11 58 56.0–.39 6.25S–.04 147.16E–.06 77 4.7b,4.3
NEIC VIII 29 11 58 58.9–.78 6.19S 147.19E 102–9 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=21.1km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.6km az=15.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.4km az=119.0.
ISC VIII 31 18 58 27.4–.88 6.03S–.08 147.3E–.10 77 4.1b 23 3-42
ISCJB VIII 31 18 58 25.8–.68 6.00S–.07 147.31E–.09 77 4.3b ¶601755782
NEIC VIII 31 18 58 26.9–1.1 5.99S 147.27E 67–12 4.4b
IDC VIII 31 18 58 29.3–8.2 6.15S 147.40E 88–51 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.6km az=27.2.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.5km az=131.0.
IDC Error ellipse: s-maj=76.1km s-min=48.6km az=56.0.
ISC IX 01 11 50 26.5–.46 6.05S–.04 146.45E–.07 100 4.6b 78 3-152
ISCJB IX 01 11 50 24.8–.34 6.01S–.03 146.48E–.05 100 4.5b ¶601794266
IDC IX 01 11 50 27.4–1.4 6.08S 146.59E 112–15 4.4,4.0
NEIC IX 01 11 50 28.5–.58 6.00S 146.42E 123–6 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=178.4.
IDC Error ellipse: s-maj=20.0km s-min=9.6km az=95.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=108.0.
IDC IX 02 01 49 03.0–6.0 6.80S 147.80E 116–52 3.3,3.1
¶601862757
IDC Error ellipse: s-maj=81.8km s-min=51.7km az=127.0.
ISC IX 02 11 05 30.5–.52 5.45S–.04 146.92E–.06 213–5 4.4b 120 3-152
ISCJB IX 02 11 05 29.0–.63 5.41S–.03 146.86E–.04 211–6 4.3b ¶601670448
IDC IX 02 11 05 30.6–.63 5.46S 146.92E 216–6 4.4,4.0
NEIC IX 02 11 05 31.4–.42 5.42S 146.90E 221–4 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=175.4.
IDC Error ellipse: s-maj=14.5km s-min=7.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=93.0.
IDC IX 03 23 40 58.0–3.2 6.48S 147.45E 0 3.4,3.3
¶601862886
IDC Error ellipse: s-maj=70.6km s-min=33.4km az=91.0.
IDC IX 06 04 14 50.9–3.0 6.79S 147.93E 0 3.6,3.4
¶601863027
IDC Error ellipse: s-maj=85.0km s-min=31.9km az=103.0.
IDC IX 07 00 41 27.8–4.2 5.57S 147.42E 206–44 4.0,3.7
¶601863078
IDC Error ellipse: s-maj=76.5km s-min=23.8km az=135.0.
IDC IX 08 06 23 33.5–5.6 5.07S 147.16E 150–38 3.9,3.6
¶601863150
IDC Error ellipse: s-maj=51.7km s-min=38.6km az=19.0.
ISC IX 08 10 04 03.5–1.7 6.67S–.10 147.2E–.20 49 3.7b 12 3-145
ISCJB IX 08 10 04 01.0–1.7 6.56S–.08 147.2E–.10 49 3.6b ¶601863161
IDC IX 08 10 04 04.1–2.2 6.62S 147.21E 72–15 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=7.9km az=152.7.
IDC Error ellipse: s-maj=28.7km s-min=13.1km az=74.0.
ISC IX 08 17 45 37.8–.41 6.74S–.04 146.17E–.05 140–3 4.8b 317 3-154
ISCJB IX 08 17 45 34.8–.67 6.65S–.03 146.17E–.03 121–6 4.9b ¶601696503
BJI IX 08 17 45 36.3 6.48S 146.57E 143 4.8b,4.8b
DJA IX 08 17 45 36.4–1.3 7S–11 146E–17 133–9 5.2,5.0
IDC IX 08 17 45 36.6–1.1 6.70S 146.15E 127–11 4.7,4.4b
MOS IX 08 17 45 37.1–.98 6.67S 146.07E 142 4.8b,4.4b
NEIC IX 08 17 45 37.9–.13 6.69S 146.10E 139 4.9b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.1km az=153.3.
IDC Error ellipse: s-maj=14.6km s-min=8.2km az=76.0.
MOS Error ellipse: s-maj=11.7km s-min=6.0km az=100.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=104.0.
ISC IX 09 08 57 28.6–1.3 5.5S–.10 147.4E–.20 170 3.8b 9 4-145
IDC IX 09 08 57 22.1–2.9 5.69S 147.71E 107–22 4.1,3.9 ¶601863224
ISCJB IX 09 08 57 27.2–1.2 5.6S–.10 147.4E–.20 170 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 09 19 31 01.1–.72 5.54S–.06 147.2E–.10 200 3.9b 23 4-145
IDC IX 09 19 30 58.5–1.6 5.44S 147.35E 171–15 4.3,3.9 ¶601863254
ISCJB IX 09 19 30 59.7–.65 5.39S–.06 147.3E–.10 200 4.2b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 10 20 41 31.2–.55 6.03S–.06 147.7E–.10 77 4.2b 40 3-153
ISCJB IX 10 20 41 29.2–.54 6.02S–.04 147.7E–.10 77 4.2b ¶601703086
IDC IX 10 20 41 29.5–1.5 6.00S 147.73E 60–12 4.3,4.1
NEIC IX 10 20 41 30.4–1.3 6.05S 147.65E 70–11 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.2km az=2.2.
IDC Error ellipse: s-maj=17.9km s-min=8.3km az=99.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.6km az=86.0.
IDC IX 11 02 17 25.3–6.9 6.58S 147.51E 94–63 4.0,3.8
¶601863328
IDC Error ellipse: s-maj=80.3km s-min=53.4km az=121.0.
IDC IX 11 09 13 00.7–6.2 5.74S 147.65E 168–63 3.7,3.4
¶601863342
IDC Error ellipse: s-maj=101.5km s-min=46.8km az=129.0.
IDC IX 13 02 40 46.8–11 7.11S 148.55E 410–146 3.7,3.1
¶601863448
IDC Error ellipse: s-maj=91.8km s-min=53.1km az=125.0.
ISC IX 14 20 15 14.7–.89 5.52S–.08 147.2E–.20 200 3.7b 18 4-145
ISCJB IX 14 20 15 13.2–.79 5.47S–.06 147.3E–.20 200 3.7b ¶601863550
IDC IX 14 20 15 14.4–1.4 5.52S 147.29E 199–14 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.9km s-min=8.7km az=178.3.
IDC Error ellipse: s-maj=25.4km s-min=11.6km az=103.0.
ISC IX 19 01 57 35.1–.49 5.90S–.04 146.70E–.07 52 4.7b,3.5s 105 4-154
BJI IX 19 01 57 31.9 5.70S 146.85E 41 5.0b,4.8b ¶601725133
ISCJB IX 19 01 57 33.4–.32 5.81S–.03 146.72E–.05 52 4.6b,3.6s
NEIC IX 19 01 57 35.5–1.1 5.80S 146.66E 58–10 4.7b,3.6s
IDC IX 19 01 57 37.7–2.6 5.89S 146.70E 78–22 4.5,4.3
DJA IX 19 01 57 39.7–1.2 6S–8.0 147E–13 54–10 5.2b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 19 06 18 13.8–1.2 5.5S–.10 147.1E–.20 195 4.6b 11 4-145
ISCJB IX 19 06 18 12.5–1.2 5.4S–.10 147.2E–.20 195 4.1b ¶601863811
IDC IX 19 06 18 14.9–2.1 5.42S 146.97E 202–17 4.4,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=14.1km az=18.5.
IDC Error ellipse: s-maj=32.8km s-min=13.6km az=133.0.
IDC IX 19 12 58 44.6–1.2 5.51S 147.17E 0 4.1,4.0
¶601863829
IDC Error ellipse: s-maj=47.9km s-min=23.3km az=111.0.
ISC IX 21 04 47 45.8–1.1 7.7S–.10 147.3E–.20 35 3.7b 10 2-146
IDC IX 21 04 47 39.6–1.4 7.69S 147.75E 0 4.0,4.0L ¶601863938
ISC Event type ke.
IDC Error ellipse: s-maj=48.1km s-min=13.0km az=105.0.
IDC IX 22 05 13 57.1–3.1 7.14S 148.29E 0 3.9b,3.9
¶601863979
IDC Error ellipse: s-maj=86.7km s-min=32.4km az=110.0.
ISC IX 23 15 35 32.7–.48 5.75S–.05 146.69E–.08 52 4.0b 55 4-154
ISCJB IX 23 15 35 30.8–.38 5.75S–.04 146.60E–.07 52 3.9b ¶601777936
IDC IX 23 15 35 33.2–2.4 5.75S 146.58E 57–21 4.3L,4.1
NEIC IX 23 15 35 33.9–.66 5.79S 146.71E 71–6 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.0km az=6.6.
IDC Error ellipse: s-maj=24.3km s-min=12.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=102.0.
ISC IX 23 15 43 41.7–.79 5.53S–.07 146.49E–.09 35 3.8b 28 4-144
IDC IX 23 15 43 35.6–1.2 5.48S 146.51E 0 4.0,3.8b ¶601777937
ISCJB IX 23 15 43 39.6–.62 5.56S–.06 146.46E–.07 35 3.8s,3.7b
NEIC IX 23 15 43 42.2–.82 5.49S 146.45E 50–10 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=25.0km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.9km az=12.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.9km az=117.0.
ISC IX 24 17 03 02.6–.70 9.6S–.10 151.00E–.09 13 4.2b,3.5s 17 4-150
IDC IX 24 17 02 59.5–1.1 9.58S 151.19E 0 4.3,4.2 ¶601738744
ISCJB IX 24 17 03 00.9–.60 9.60S–.09 151.02E–.08 13 4.1b,3.5s
NEIC IX 24 17 03 06.1–1.3 9.66S 151.02E 42–13 4.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=19.0km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.3km az=150.4.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.7km az=151.0.
IDC IX 25 15 13 43.5–2.6 7.14S 147.25E 0 3.5,3.4
¶601864158
IDC Error ellipse: s-maj=83.0km s-min=24.6km az=90.0.
IDC IX 26 17 50 11.0–6.8 6.20S 146.20E 75–103 3.3L,3.2
¶601864224
IDC Error ellipse: s-maj=88.0km s-min=39.3km az=103.0.
ISC IX 27 10 39 20.9–1.4 5.42S–.10 146.8E–.10 250 4.3b 10 4-85
ISCJB IX 27 10 39 20.3–1.3 5.3S–.10 146.8E–.10 250 4.0b ¶601864273
IDC IX 27 10 39 20.3–1.5 5.45S 146.89E 226–13 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=13.7km az=166.4.
IDC Error ellipse: s-maj=25.5km s-min=14.1km az=103.0.
ISC IX 27 20 37 06.5–3.0 6.7S–.20 147.4E–.40 65 3.8b 7 3-146
IDC IX 27 20 37 12.4–5.5 7.11S 147.47E 108–37 3.6,3.3 ¶601864309
ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=47.4km az=73.0.
ISC IX 27 23 02 27.5–.97 6.23S–.08 147.2E–.20 100 4.3b 18 3-72
ISCJB IX 27 23 02 25.0–.78 6.15S–.06 147.3E–.10 100 4.3b ¶601864316
NEIC IX 27 23 02 27.8–1.4 6.27S 147.24E 105–13 4.3b
IDC IX 27 23 02 28.7–3.0 6.26S 147.19E 112–21 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.4km az=2.1.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.4km az=98.0.
IDC Error ellipse: s-maj=34.6km s-min=20.2km az=123.0.
IDC X 01 02 16 24.4–1.8 4.18S 146.85E 0 4.0,3.9L
¶601996348
IDC Error ellipse: s-maj=142.9km s-min=28.0km az=120.0.
IDC X 01 06 28 07.3–1.8 5.23S 147.11E 0 4.0,3.7L
¶601996365
IDC Error ellipse: s-maj=73.4km s-min=27.8km az=115.0.
ISC X 02 18 23 15.1–.31 6.13S–.04 146.28E–.05 100 4.8b 171 3-153
ISCJB X 02 18 23 13.0–.20 6.04S–.03 146.32E–.03 100 4.8b ¶601906632
BJI X 02 18 23 12.7 6.26S 146.75E 127 5.1b,4.7b
IDC X 02 18 23 15.3–2.0 6.01S 146.37E 108–18 4.6,4.3
NEIC X 02 18 23 16.6–.16 6.04S 146.28E 120 4.9b,4.3
DJA X 02 18 23 16.5–1.1 6S–8.0 146E–9.0 107–9 4.8,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 04 10 49 49.0–.46 5.92S–.05 147.44E–.07 77 4.1b 63 3-154
ISCJB X 04 10 49 47.6–.33 5.85S–.03 147.48E–.05 77 3.9b ¶601883567

IDC X 04 10 49 50.7–2.0 5.81S 147.47E 91–17 4.2,3.9
NEIC X 04 10 49 51.1–.64 5.86S 147.52E 100–6 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=3.3.
IDC Error ellipse: s-maj=16.4km s-min=10.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=102.0.
ISC X 04 11 04 55.2–.50 5.38S–.06 146.98E–.06 195 4.3b 47 3-145
ISCJB X 04 11 04 54.3–.41 5.32S–.04 146.94E–.04 195 4.2b **¶601782841**
IDC X 04 11 04 58.3–1.4 5.43S 146.93E 221–13 4.5,4.0
NEIC X 04 11 04 58.7–.52 5.40S 146.92E 229–6 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.9km az=36.2.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=89.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=119.0.
IDC X 08 08 30 59.4–5.7 8.63S 150.03E 80–44 3.9,3.9
¶601997477
IDC Error ellipse: s-maj=60.2km s-min=31.7km az=129.0.
ISC X 10 09 37 46.8–.90 5.57S–.05 147.5E–.20 250 27 4-145
IDC X 10 09 37 45.2–2.0 5.53S 147.50E 218–26 3.9,3.8 **¶601906670**
ISCJB X 10 09 37 46.5–.80 5.48S–.06 147.4E–.20 250 3.7b,3.8
NEIC X 10 09 37 46.3–.66 5.52S 147.39E 230–6 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=16.8km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=6.9km az=14.2.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.0km az=108.0.
IDC X 10 12 56 31.6–2.1 7.26S 147.55E 0 3.4,3.3
¶601997758
IDC Error ellipse: s-maj=136.3km s-min=30.4km az=126.0.
IDC X 14 00 37 55.6–3.8 5.28S 147.00E 196–33 4.1,3.8
¶601998166
IDC Error ellipse: s-maj=78.1km s-min=19.5km az=123.0.
ISC X 14 00 52 25.3–.88 5.4S–.10 147.3E–.20 195 3.7b 16 15-145
ISCJB X 14 00 52 23.6–.81 5.39S–.09 147.4E–.20 195 3.8b **¶601998167**
IDC X 14 00 52 27.2–2.7 5.47S 147.25E 211–25 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=10.7km az=16.8.
IDC Error ellipse: s-maj=27.4km s-min=11.1km az=111.0.
IDC X 16 16 14 49.5–4.8 9.68S 150.27E 0 3.3,3.2
¶601998557
IDC Error ellipse: s-maj=248.8km s-min=51.0km az=128.0.
ISC X 16 17 51 57.0–.45 5.51S–.06 147.19E–.06 195 4.8b 55 3-145
ISCJB X 16 17 51 56.2–.35 5.50S–.04 147.14E–.05 195 4.5b **¶601837561**
IDC X 16 17 51 57.5–2.0 5.52S 147.18E 198–19 4.3,4.0
BJI X 16 17 51 57.0 5.51S 147.25E 217 4.8b,4.4b
NEIC X 16 17 51 57.7–.44 5.49S 147.15E 199–5 4.8b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=15.1.
IDC Error ellipse: s-maj=15.8km s-min=11.4km az=127.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.7km az=118.0.
ISC X 17 03 55 08.6–.80 6.19S–.10 148.0E–.10 60 4.3b 30 5-146
NEIC X 17 03 55 09.7–1.0 5.94S 147.91E 81–10 4.3b **¶601998615**
IDC X 17 03 55 14.7–2.8 6.22S 148.02E 120–27 4.4,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.1km az=137.0.
IDC Error ellipse: s-maj=26.3km s-min=20.5km az=168.0.
IDC X 18 08 49 10.9–2.9 5.74S 147.46E 199–38 4.1,3.7
¶601998779
IDC Error ellipse: s-maj=80.4km s-min=21.3km az=118.0.
IDC X 19 03 31 34.1–1.4 5.37S 146.70E 0 4.0,3.8L
¶601998885
IDC Error ellipse: s-maj=63.3km s-min=27.4km az=125.0.
ISC X 20 01 40 24.4–.95 5.38S–.10 147.0E–.10 195 3.9b 14 7-145
ISCJB X 20 01 40 22.9–.84 5.28S–.07 147.09E–.09 195 3.8b **¶601998996**
IDC X 20 01 40 25.8–2.2 5.39S 146.91E 205–19 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=9.9km az=162.8.
IDC Error ellipse: s-maj=20.8km s-min=10.7km az=110.0.
ISC X 21 02 32 26.4–.55 7.02S–.08 148.3E–.10 47 4.3b 35 13-152
IDC X 21 02 32 19.7–.61 6.93S 148.45E 0 4.5,4.4 **¶601867598**
ISCJB X 21 02 32 24.7–.47 6.95S–.06 148.35E–.09 47 4.3b,4.4
NEIC X 21 02 32 26.8–1.3 6.99S 148.41E 54–12 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.7km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.2km az=21.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.6km az=78.0.
ISC X 23 17 47 56.7–.40 6.70S–.05 147.94E–.07 51 4.8b,4.0s 91 5-151
ISCJB X 23 17 47 54.8–.30 6.68S–.04 147.92E–.05 51 4.8b,3.9s **¶601846000**
NEIC X 23 17 47 57.6–.67 6.67S 147.96E 62–6 4.6b,3.9s
IDC X 23 17 47 57.7–4.0 6.65S 147.80E 53–34 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=14.2.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=103.0.
IDC Error ellipse: s-maj=30.4km s-min=13.8km az=85.0.
ISC X 23 18 00 45.2–.28 6.57S–.04 147.99E–.05 51 5.0b,4.3s 250 5-153
BJI X 23 18 00 42.5 6.34S 148.07E 38 5.1b,4.9s **¶601843610**
ISCJB X 23 18 00 43.3–.18 6.61S–.02 147.95E–.03 51 5.0b,4.2s
NEIC X 23 18 00 44.8–.61 6.58S 147.87E 48–5 5.1b,4.2s
GCMT X 23 18 00 45.8–.40 6.68S–.02 147.93E–.04 26–2 5.0W,4.2s
IDC X 23 18 00 46.3–3.6 6.62S 147.85E 56–30 4.6,4.4
DJA X 23 18 00 50.8–1.1 7S–5.0 148E–9.0 83–6 5.5,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s60,c84;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.21 $M_{\theta\theta}$0.23±.14; $M_{\phi\phi}$-0.41±.16; $M_{r\theta}$-3.46±.52; $M_{\theta\phi}$2.32±.12; $M_{\theta r}$1.08±.33; Best double couple: NP1:ϕ_s280.00000°,δ88.00000°,λ58.00000°. NP2:ϕ_s187.00000°,δ32.00000°,λ176.00000°. Principal axes: T 3.8910,Plg39.0000° ,Azm162.0000°; N 0.7550,Plg32.0000°,Azm282.0000°; P -4.6460,Plg35.0000°,Azm38.0000° M_o4.26900×10^{16}
IDC X 23 23 35 48.8–1.6 6.64S 147.96E 0 4.0,3.8
¶601999433
IDC Error ellipse: s-maj=48.5km s-min=25.1km az=94.0.
ISC X 24 04 39 34.4–.64 6.62S–.09 147.9E–.10 51 4.6b 36 9-153
IDC X 24 04 39 26.9–.85 6.53S 148.14E 0 4.5,4.3 **¶601999449**
ISCJB X 24 04 39 32.8–.60 6.65S–.07 147.93E–.09 51 4.5b,4.3
NEIC X 24 04 39 33.9–2.0 6.58S 148.00E 48–16 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=20.8km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.4km az=25.4.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.4km az=215.0.
ISC X 25 11 52 23.2–1.6 6.3S–.20 147.0E–.30 49 3.7b 11 7-145
ISCJB X 25 11 52 21.0–1.2 6.3S–.10 147.2E–.20 49 3.6b **¶601999602**
IDC X 25 11 52 27.3–8.5 6.34S 146.96E 86–73 3.7,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.7km s-min=14.9km az=21.3.
IDC Error ellipse: s-maj=51.0km s-min=26.4km az=96.0.
IDC X 28 05 51 11.6–3.7 6.58S 147.90E 0 3.8,3.6
¶601999932
IDC Error ellipse: s-maj=109.1km s-min=47.9km az=116.0.
ISC X 28 14 30 19.5–1.3 7.2S–.10 146.2E–.20 170 3.6b 11 16-145
IDC X 28 14 30 17.5–4.5 7.24S 146.25E 150–40 3.7,3.4 **¶602000081**
ISCJB X 28 14 30 18.6–1.2 7.2S–.10 146.0E–.20 170 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 13 38 15.7–1.0 5.7S–.10 146.9E–.20 150 3.9b 13 7-154
ISCJB X 30 13 38 14.1–1.1 5.7S–.10 147.0E–.20 150 3.9b **¶602000483**
IDC X 30 13 38 14.8–2.6 5.74S 146.97E 139–23 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=15.6km az=160.5.
IDC Error ellipse: s-maj=29.7km s-min=15.4km az=121.0.

IDC X 31 13 24 13.2–1.7 5.57S 147.31E 199–15 4.1,3.8
¶602000621
IDC Error ellipse: s-maj=26.2km s-min=15.4km az=105.0.
IDC X 31 16 25 37.8–4.3 5.35S 147.97E 143–26 4.0,3.7
¶602000643
IDC Error ellipse: s-maj=57.5km s-min=29.4km az=74.0.
ISC XI 01 13 26 11.7–.30 5.36S–.04 145.58E–.05 86 4.9b 232 4-151
BJI XI 01 13 26 07.0 5.51S 146.11E 94 5.1b,4.9b **¶601867658**
MOS XI 01 13 26 09.6–1.2 5.25S 145.52E 81 4.8b,4.9b
IDC XI 01 13 26 09.3–2.6 5.27S 145.61E 65–24 4.9,4.7
ISCJB XI 01 13 26 10.0–.18 5.29S–.02 145.61E–.03 86 4.8b,4.7
NEIC XI 01 13 26 12.3–.56 5.28S 145.56E 93–5 5.0b,4.7
GCMT XI 01 13 26 15.3–.20 5.36S–.01 145.48E–.02 98–3 5.0W,4.7
DJA XI 01 13 26 15.7–.80 5S–5.0 145E–6.0 101–5 5.6,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c51; s87,c128;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.44±.14 $M_{\theta\theta}$-0.71±.13; $M_{\phi\phi}$0.27±.13; $M_{r\theta}$-2.99±.07; $M_{\theta\phi}$-0.23±.12; $M_{\theta r}$1.62±.08; Best double couple: NP1:ϕ_s297.00000°,δ87.00000°,λ99.00000°. NP2:ϕ_s47.00000°,δ9.00000°,λ20.00000°. Principal axes: T 3.5260,Plg47.0000° ,Azm217.0000°; N -0.1270,Plg9.0000°,Azm117.0000°; P -3.3990,Plg41.0000°,Azm19.0000° M_o3.46300×10^{16}
IDC XI 02 02 44 27.6–3.0 6.45S 147.92E 0 3.7,3.6b
¶602388698
IDC Error ellipse: s-maj=72.7km s-min=33.0km az=100.0.
ISC XI 02 03 37 49.2–.98 6.83S–.07 147.4E–.10 65 4.1b 31 3-146
ISCJB XI 02 03 37 47.0–.71 6.72S–.05 147.4E–.10 65 4.0b **¶601909735**
IDC XI 02 03 37 48.4–3.8 6.74S 147.68E 74–27 4.2,4.0
NEIC XI 02 03 37 49.6–1.1 6.80S 147.60E 83–8 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=6.4km az=7.4.
IDC Error ellipse: s-maj=49.8km s-min=16.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.9km az=79.0.
ISC XI 03 19 08 55.0–.64 5.53S–.06 147.09E–.07 195 4.4b 33 3-145
ISCJB XI 03 19 08 53.8–.49 5.40S–.05 147.14E–.06 195 4.1b **¶601869862**
NEIC XI 03 19 08 53.9–.99 5.78S 146.96E 134–16 4.3b
IDC XI 03 19 08 54.5–1.5 5.46S 147.05E 190–14 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.4km az=31.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.9km az=125.0.
IDC Error ellipse: s-maj=14.5km s-min=10.8km az=100.0.
IDC XI 04 01 37 05.5–5.6 5.66S 147.42E 191–56 3.7,3.6
¶602388784
IDC Error ellipse: s-maj=89.7km s-min=44.4km az=130.0.
ISC XI 04 20 24 38.2–.95 6.74S–.07 146.6E–.20 110 3.7b 16 3-145
ISCJB XI 04 20 24 36.6–.80 6.71S–.06 146.7E–.10 110 3.8b **¶602388826**
IDC XI 04 20 24 36.7–2.0 6.67S 146.74E 98–20 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=8.1km az=175.2.
IDC Error ellipse: s-maj=27.3km s-min=13.5km az=106.0.
IDC XI 06 22 15 13.6–2.6 9.01S 148.55E 0 3.7,3.4
¶602388928
IDC Error ellipse: s-maj=52.3km s-min=24.5km az=152.0.
ISC XI 07 23 42 19.0–.28 8.66S–.03 148.08E–.04 115–2 5.5b 630 1-153
BJI XI 07 23 42 14.8 8.56S 148.56E 108 5.5b,5.3b **¶601880075**
ISCJB XI 07 23 42 17.8–.50 8.63S–.02 148.02E–.02 115–4 5.5b,5.3b
IDC XI 07 23 42 18.9–.30 8.63S 148.07E 112–2 5.4,5.1
NEIC XI 07 23 42 19.5–.53 8.65S 148.03E 118–5 5.5b,5.1
MOS XI 07 23 42 19.2–1.0 8.57S 147.91E 124 5.3b,5.1
GCMT XI 07 23 42 20.5–.30 8.58S–.02 147.98E–.02 133–4 5.6W,5.1
DJA XI 07 23 42 23.4–.50 9S–3.0 148E–4.0 142–5 7.2,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Port Moresby. Also felt at Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c38; s107,c157;Duration: 1$\hat{s}$5
Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.12 $M_{\theta\theta}$-2.18±.13; $M_{\phi\phi}$1.25±.14; $M_{r\theta}$-1.77±.08; $M_{\theta\phi}$-0.77±.13; $M_{\theta r}$1.29±.07; Best double couple: NP1:ϕ_s296.00000°,δ78.00000°,λ129.00000°. NP2:ϕ_s40.00000°,δ40.00000°,λ18.00000°. Principal axes: T 3.0040,Plg43.0000° ,Azm243.0000°; N -0.0180,Plg38.0000°,Azm107.0000°; P -2.9890,Plg24.0000° ,Azm357.0000° M_o2.99700×10^{17}
ISC XI 08 16 09 23.9–.98 5.74S–.09 147.5E–.10 170 4.8b 27 4-145
ISCJB XI 08 16 09 22.7–.74 5.70S–.06 147.45E–.08 170 4.8b **¶602054275**
NEIC XI 08 16 09 23.0–1.8 5.59S 147.53E 163–14 4.8b
IDC XI 08 16 09 23.4–5.9 5.76S 147.62E 160–56 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=172.3.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.9km az=210.0.
IDC Error ellipse: s-maj=82.0km s-min=46.1km az=130.0.
ISC XI 11 02 51 21.2–1.3 5.4S–.20 145.5E–.20 200 3.3b 8 6-85
ISCJB XI 11 02 51 19.8–1.2 5.4S–.10 145.6E–.20 200 3.4b **¶602389196**
IDC XI 11 02 51 22.6–4.5 5.32S 145.40E 214–44 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=15.9km az=152.7.
IDC Error ellipse: s-maj=45.0km s-min=19.8km az=101.0.
IDC XI 12 18 57 15.2–5.7 5.96S 147.82E 182–66 3.6,3.2
¶602389303
IDC Error ellipse: s-maj=156.7km s-min=45.6km az=122.0.
IDC XI 14 23 04 09.0–1.9 7.19S 148.46E 0 4.1,4.0b
¶602389415
IDC Error ellipse: s-maj=80.6km s-min=23.0km az=124.0.
ISC XI 15 00 12 17.4–.65 6.86S–.07 147.7E–.10 61–5 4.2b 37 3-146
IDC XI 15 00 12 16.8–.84 6.91S 148.07E 60–5 4.3,4.2 **¶602058470**
ISCJB XI 15 00 12 17.3–1.2 6.99S–.08 147.9E–.10 78–13 4.1b,4.2
NEIC XI 15 00 12 17.4–1.1 6.85S 147.81E 60–12 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=15.2km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=8.2km az=36.3.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=7.8km az=126.0.
ISC XI 15 01 06 38.8–1.5 5.5S–.10 146.6E–.30 35 3.4b 7 4-85
IDC XI 15 01 06 33.8–1.9 5.20S 146.44E 0 3.8,3.7 **¶602389424**
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=29.2km az=113.0.
ISC XI 16 22 57 18.3–.87 5.59S–.09 147.3E–.20 200 3.5b 14 4-145
ISCJB XI 16 22 57 17.3–.76 5.56S–.07 147.4E–.10 200 3.5b **¶602389529**
IDC XI 16 22 57 18.2–1.5 5.61S 147.34E 196–15 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=9.4km az=12.5.
IDC Error ellipse: s-maj=27.4km s-min=11.0km az=117.0.
ISC XI 17 05 40 40.0–.59 5.45S–.06 146.92E–.07 195 4.2b 42 3-123
ISCJB XI 17 05 40 37.9–.51 5.32S–.05 147.01E–.06 195 4.1b **¶601992387**
IDC XI 17 05 40 39.9–1.4 5.49S 146.98E 199–12 4.3,3.9
NEIC XI 17 05 40 41.3–.68 5.40S 146.99E 211–8 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=7.6km az=154.4.
IDC Error ellipse: s-maj=16.3km s-min=11.3km az=120.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=122.0.
ISC XI 18 19 18 26.3–.67 6.31S–.07 146.25E–.09 100 4.1b 36 3-154
ISCJB XI 18 19 18 25.1–.62 6.32S–.05 146.25E–.07 100 4.0b **¶601910098**
IDC XI 18 19 18 26.2–1.9 6.30S 146.33E 100–16 4.3,4.1
NEIC XI 18 19 18 27.2–.83 6.27S 146.27E 110–7 4.2b,4.1
DJA XI 18 19 18 30.3–1.0 6S–7.0 146E–11 99–6 5.6b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 18 21 38 56.6–1.6 6.3S–.20 146.4E–.30 110 3.7b 11 3-145
ISCJB XI 18 21 38 55.3–1.4 6.4S–.10 146.3E–.20 110 3.7b **¶602389630**
IDC XI 18 21 38 55.9–2.6 6.31S 146.43E 105–19 3.9,3.7
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=32.6km s-min=9.4km az=152.5.
IDC Error ellipse: s-maj=45.5km s-min=15.8km az=63.0.
IDC XI 20 20 40 06.7–3.2 6.03S 147.37E 0 3.3,3.2L
¶602389751

IDC Error ellipse: s-maj=74.8km s-min=35.4km az=91.0.
IDC XI 25 19 23 37.2–3.0 6.55S 147.23E 0 3.5,3.3L
¶602389988

IDC Error ellipse: s-maj=58.1km s-min=33.2km az=86.0.
ISC XI 26 03 57 07.3–.66 5.02S–.06 147.16E–.09 150 4.0b 30 3-145
NEIC XI 26 03 57 05.8–1.1 5.03S 147.17E 130–11 4.4b **¶601994490**
IDC XI 26 03 57 12.8–.85 5.37S 146.92E 185–8 4.5,4.2
DJA XI 26 03 57 13.0–.90 5S–5.0 147E–8.0 173–8 5.3,5.3b
ISC Event type se.
NEIC Event type se.
ISC XI 27 01 03 00.5–1.0 5.34S–.10 147.3E–.20 170 3.6b 12 4-145
ISCJB XI 27 01 02 59.4–1.1 5.34S–.08 147.4E–.20 170 3.9b **¶602390028**
IDC XI 27 01 03 02.4–3.3 5.39S 147.37E 186–31 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=11.6km az=5.6.
IDC Error ellipse: s-maj=38.3km s-min=22.9km az=125.0.
IDC XI 27 02 45 17.5–1.6 5.88S 146.22E 0 3.8,3.5
¶602390032

IDC Error ellipse: s-maj=40.3km s-min=20.0km az=86.0.
IDC XI 27 03 24 18.4–4.5 5.52S 145.61E 0 3.7,3.5
¶602390034

IDC Error ellipse: s-maj=68.8km s-min=44.6km az=48.0.
IDC XI 27 08 06 05.8–4.9 5.26S 146.86E 111–40 3.9,3.7
¶602390048

IDC Error ellipse: s-maj=38.5km s-min=31.5km az=149.0.
IDC XI 29 05 51 38.1–5.5 6.78S 147.19E 134–58 3.6,3.4
¶602390153

IDC Error ellipse: s-maj=82.7km s-min=29.1km az=138.0.
IDC XI 30 11 21 11.6–3.7 5.50S 147.75E 182–34 4.2,3.8
¶602390233

IDC Error ellipse: s-maj=51.8km s-min=31.2km az=97.0.
ISC XI 30 18 13 32.0–.69 6.25S–.07 147.71E–.10 35 4.1b 34 3-146
ISCJB XI 30 18 13 29.9–.60 6.25S–.07 147.79E–.07 35 4.4b,4.1s **¶602311705**
NEIC XI 30 18 13 31.8–.33 6.28S 147.80E 34–2 4.3b,4.1s
IDC XI 30 18 13 33.9–2.8 6.30S 147.79E 56–23 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=8.4km az=35.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=120.0.
IDC Error ellipse: s-maj=33.1km s-min=17.7km az=102.0.
ISC XII 03 02 56 07.3–.53 6.07S–.06 147.72E–.09 77 4.4b 46 3-153
IDC XII 03 02 56 04.1–1.7 5.93S 147.73E 47–14 4.3,4.3L **¶601995899**
ISCJB XII 03 02 56 05.4–.39 6.02S–.04 147.72E–.07 77 4.2b,4.3L
NEIC XII 03 02 56 06.5–.87 6.00S 147.76E 72–8 4.4b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=11.0km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.8km az=8.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=95.0.
ISC XII 03 11 03 57.2–1.5 6.3S–.10 147.7E–.30 63 3.7b 9 3-146
IDC XII 03 11 03 48.4–1.7 6.12S 147.76E 0 4.0L,3.9 **¶602390391**
ISCJB XII 03 11 03 55.8–1.6 6.32S–.10 147.6E–.30 63 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC XII 03 13 00 21.6–3.1 6.05S 147.42E 0 4.4b,3.9
¶602390393

IDC Error ellipse: s-maj=83.0km s-min=39.3km az=97.0.
ISC XII 07 00 59 06.0–.72 5.62S–.07 147.12E–.09 195 21 4-145
IDC XII 07 00 59 02.5–1.4 5.48S 147.21E 152–12 4.4,4.1 **¶602064807**
NEIC XII 07 00 59 04.0–1.2 5.41S 147.22E 168–12 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=11.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.3km az=222.0.
ISC XII 07 07 22 07.4–.92 5.75S–.08 147.3E–.10 170 4.3b 22 4-72
ISCJB XII 07 07 22 05.9–.81 5.69S–.09 147.29E–.09 170 4.2b **¶602051941**
IDC XII 07 07 22 06.0–4.5 5.74S 147.28E 144–20 4.3,4.0
NEIC XII 07 07 22 06.2–.64 5.63S 147.26E 157–7 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=11.9km az=18.0.
IDC Error ellipse: s-maj=64.8km s-min=20.6km az=65.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.4km az=169.0.
ISC XII 07 19 50 22.6–.45 7.66S–.03 147.01E–.03 133–3 5.5b 1092 2-160
BJI XII 07 19 50 17.7 7.80S 147.59E 131 5.6b,5.5b **¶602030323**
MOS XII 07 19 50 21.8–.84 7.60S 146.94E 134 5.4b,5.5b
ISCJB XII 07 19 50 21.3–.43 7.64S–.02 146.91E–.02 130–4 5.4b,5.5b
IDC XII 07 19 50 23.0–.67 7.69S 146.99E 133–6 5.4,5.1
NEIC XII 07 19 50 23.4–.41 7.66S 146.95E 140–3 5.5b,5.1
DJA XII 07 19 50 25.5–.50 8S–3.0 147E–3.0 151–4 5.8,5.8b
GCMT XII 07 19 50 25.4–.20 7.65S–.01 147.01E–.01 148–2 5.7W,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Lae.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c63; s120,c209;Duration: 1$6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.09 $M_{\theta\theta}$-2.67±.09; $M_{\phi\phi}$2.66±.09; $M_{r\theta}$-1.36±.06; $M_{\theta\phi}$0.80±.08; $M_{\phi r}$2.29±.06; Best double couple: NP1:ϕ_s324.00000°,δ89.00000°,λ136.00000°. NP2:ϕ_s55.00000°,δ46.00000°,λ1.00000°. Principal axes: T 3.9810,Plg30.0000° ,Azm270.0000°; N -0.2740,Plg46.0000°,Azm143.0000°; P -3.7070,Plg28.0000° ,Azm18.0000° $M_0$3.84400×10^{17}
ISC XII 09 02 41 21.5–.76 5.54S–.07 147.4E–.10 170 4.1b 28 4-145
ISCJB XII 09 02 41 20.2–.54 5.49S–.05 147.48E–.07 170 4.1b **¶602060849**
IDC XII 09 02 41 22.7–1.4 5.57S 147.40E 181–12 4.4,4.1
NEIC XII 09 02 41 23.7–.82 5.57S 147.43E 193–7 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.8km az=4.3.
IDC Error ellipse: s-maj=17.9km s-min=11.9km az=84.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=100.0.
IDC XII 10 07 54 00.2–1.9 8.50S 147.85E 0 3.7,3.6
¶602390970

IDC Error ellipse: s-maj=46.9km s-min=14.3km az=116.0.
ISC XII 12 05 51 21.1–.56 6.59S–.06 147.44E–.08 63 4.6b 58 3-146
ISCJB XII 12 05 51 19.5–.43 6.59S–.04 147.46E–.06 63 4.7b **¶602036428**
NEIC XII 12 05 51 21.8–.98 6.63S 147.50E 73–9 4.4b
IDC XII 12 05 51 22.1–1.8 6.61S 147.41E 70–15 4.4,4.3
DJA XII 12 05 51 24.0–1.2 7S–7.0 147E–14 74–7 5.4b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 12 10 24 47.3–8.0 6.11S 146.95E 79–75 4.1,4.0
¶602391177

IDC Error ellipse: s-maj=68.0km s-min=52.9km az=131.0.
IDC XII 13 10 28 20.9–5.6 8.25S 146.26E 0 3.6b,3.4
¶602391258

IDC Error ellipse: s-maj=81.9km s-min=20.9km az=29.0.
IDC XII 15 10 10 15.4–3.6 5.62S 147.90E 193–39 3.5,3.1
¶602391376

IDC Error ellipse: s-maj=99.0km s-min=35.2km az=109.0.
ISC XII 16 17 46 19.2–.69 5.62S–.08 147.56E–.09 170 3.8b 19 4-146
ISCJB XII 16 17 46 17.7–.59 5.51S–.08 147.60E–.07 170 3.8b **¶602391483**
IDC XII 16 17 46 17.1–1.4 5.56S 147.60E 148–12 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=9.9km az=38.5.
IDC Error ellipse: s-maj=14.7km s-min=10.9km az=88.0.
IDC XII 18 14 15 54.9–1.6 7.72S 146.89E 129–23 3.6,3.3
¶602391606

IDC Error ellipse: s-maj=48.5km s-min=15.9km az=106.0.
ISC XII 20 18 29 00.5–.79 5.39S–.07 146.7E–.20 123 3.9b 19 4-145
IDC XII 20 18 29 02.1–1.3 5.50S 146.80E 143–12 4.2,3.9 **¶602391743**
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=9.1km az=98.0.
ISC XII 20 21 09 54.5–1.3 7.7S–.10 147.4E–.30 35 7 2-146
IDC XII 20 21 09 49.0–1.7 7.71S 147.43E 0 3.7,3.5 **¶602391754**
ISCJB XII 20 21 09 53.5–1.3 7.69S–.08 147.2E–.20 33 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 24 07 01 57.5–1.3 6.0S–.10 147.0E–.30 78 3.7b 8 3-145
ISCJB XII 24 07 01 56.1–1.2 5.99S–.08 147.0E–.20 78 3.5b **¶602391978**
IDC XII 24 07 01 58.7–5.6 6.09S 147.13E 94–59 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.1km s-min=11.9km az=175.8.
IDC Error ellipse: s-maj=57.9km s-min=28.1km az=138.0.
ISC XII 26 02 24 32.5–.34 6.01S–.04 147.41E–.05 93–2 4.9b 238 3-154
BJI XII 26 02 24 29.2 6.01S 147.77E 93 5.2b,4.8b **¶602058483**
ISCJB XII 26 02 24 31.5–.64 5.95S–.02 147.36E–.04 95–6 4.9b,4.8b
NEIC XII 26 02 24 32.8–.62 5.91S 147.29E 96–5 5.1b,4.8b
IDC XII 26 02 24 32.2–.37 5.93S 147.38E 91–3 4.8,4.6
GCMT XII 26 02 24 33.8–.20 6.13S–.01 147.48E–.01 93–2 5.2W,4.6
DJA XII 26 02 24 35.1–.70 6S–4.0 147E–5.0 94–5 5.9,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c76; s103,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96±.15 $M_{\theta\theta}$5.57±.14; $M_{\phi\phi}$-3.61±.17; $M_{r\theta}$-3.10±.10; $M_{\theta\phi}$1.05±.17; $M_{\phi r}$3.25±.10; Best double couple: NP1:ϕ_s123.00000°,δ78.00000°,λ-45.00000°. NP2:ϕ_s225.00000°,δ46.00000°,λ-163.00000°. Principal axes: T 6.6830,Plg20.0000° ,Azm181.0000°; N 0.0820,Plg43.0000°,Azm291.0000°; P -6.7660,Plg40.0000°,Azm73.0000° $M_0$6.72500×10^{16}
IDC XII 26 18 41 01.8–4.2 6.44S 147.14E 111–46 3.5,3.3
¶602380655

IDC Error ellipse: s-maj=47.3km s-min=31.8km az=130.0.
IDC XII 28 07 35 14.7–2.8 5.79S 147.55E 205–29 3.8,3.4
¶602380767

IDC Error ellipse: s-maj=88.7km s-min=26.3km az=107.0.

SEISMIC REGION 17.
Caroline Islands to Guam.

(209) Western Caroline Islands.

ISC VII 03 14 45 42.8–.62 11.48N–.09 140.18E–.09 100 4.1b 21 5-92
ISCJB VII 03 14 45 41.1–.49 11.50N–.07 140.17E–.07 100 4.0b **¶601663439**
IDC VII 03 14 45 42.9–2.5 11.49N 140.21E 101–25 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.8km az=144.6.
IDC Error ellipse: s-maj=18.4km s-min=12.9km az=100.0.
IDC VII 11 22 11 18.2–2.2 7.54N 136.42E 0 3.8,3.7
¶601664451

IDC Error ellipse: s-maj=87.1km s-min=21.5km az=75.0.
IDC VII 14 10 31 04.8–1.5 11.94N 141.70E 0 3.8,3.8L
¶601664560

IDC Error ellipse: s-maj=82.0km s-min=22.4km az=117.0.
IDC VII 16 00 13 17.3–1.4 9.38N 137.90E 0 3.8,3.6
¶601664652

IDC Error ellipse: s-maj=41.4km s-min=29.4km az=83.0.
ISC VII 29 20 21 25.2–.54 11.96N–.09 141.07E–.09 34 4.0b,3.3s 26 4-151
ISCJB VII 29 20 21 23.3–.45 11.96N–.07 141.01E–.07 34 4.0b,3.3s **¶601666643**
IDC VII 29 20 21 27.0–3.0 12.04N 141.30E 51–28 4.3L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=9.3km az=14.6.
IDC Error ellipse: s-maj=21.2km s-min=10.9km az=76.0.
IDC VII 30 23 08 49.0–5.3 7.73N 137.50E 0 3.8,3.8
¶601650793

IDC Error ellipse: s-maj=267.8km s-min=20.9km az=78.0.
ISC IX 11 15 53 52.2–1.0 11.5N–.20 140.6E–.20 43 3.5b 6 5-72
IDC IX 11 15 53 46.6–1.1 11.50N 140.45E 0 3.7,3.7L **¶601863361**
ISCJB IX 11 15 53 50.2–.86 11.5N–.10 140.6E–.20 43 3.5b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC X 07 20 40 25.0–1.1 10.9N–.10 137.3E–.20 35 3.6b 8 14-74
IDC X 07 20 40 19.4–1.2 10.87N 137.43E 0 3.8,3.6 **¶601997416**
ISCJB X 07 20 40 22.6–1.1 10.8N–.10 137.4E–.20 33 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC X 10 05 36 33.8–4.5 6.62N 134.89E 0 3.7,3.6b
¶601997716

IDC Error ellipse: s-maj=258.1km s-min=28.4km az=76.0.
IDC X 11 04 01 16.4–1.0 10.51N 138.35E 0 4.0,3.8
¶601997836

IDC Error ellipse: s-maj=34.2km s-min=21.8km az=84.0.
IDC X 29 03 11 30.1–1.2 11.26N 138.09E 0 3.8,3.6
¶602000201

IDC Error ellipse: s-maj=41.1km s-min=21.3km az=83.0.
IDC XI 22 03 54 31.9–3.9 7.45N 136.26E 0 3.8,3.7b
¶602389818

IDC Error ellipse: s-maj=209.1km s-min=22.9km az=77.0.
IDC XII 04 01 30 50.6–.96 11.07N 138.82E 0 3.8,3.6
¶602390416

IDC Error ellipse: s-maj=41.1km s-min=20.5km az=84.0.
ISC XII 09 02 48 23.2–.90 10.5N–.10 141.7E–.10 35 3.8b 11 4-91
IDC XII 09 02 48 18.0–.92 10.49N 141.64E 0 4.0,4.0L **¶602390874**
ISCJB XII 09 02 48 20.9–.73 10.5N–.10 141.7E–.10 33 3.8b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 09 15 45 15.1–.71 10.6N–.10 141.7E–.10 35 4.3b,2.9s 33 4-150
IDC XII 09 15 45 10.2–.71 10.61N 141.67E 0 4.3,4.3L **¶602046970**
ISCJB XII 09 15 45 12.8–.49 10.58N–.07 141.72E–.08 33 4.2b,3.0s
NEIC XII 09 15 45 15.1–1.5 10.57N 141.71E 37–14 4.7b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=17.4km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=8.0km az=41.2.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.3km az=98.0.
ISC XII 09 15 50 44.2–.97 10.5N–.20 141.8E–.20 35 3.6b 9 4-87
IDC XII 09 15 50 39.1–.99 10.51N 141.71E 0 3.8L,3.7 **¶602390910**
ISCJB XII 09 15 50 41.8–.79 10.5N–.10 141.8E–.10 33 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 06 42 23.5–.49 10.59N–.07 141.67E–.09 35 4.5b,3.2s 60 4-150
IDC XII 16 06 42 18.5–.60 10.60N 141.66E 0 4.4,4.3 **¶602355622**
ISCJB XII 16 06 42 21.1–.35 10.55N–.05 141.68E–.07 33 4.5b,3.2s
NEIC XII 16 06 42 22.6–.60 10.57N 141.63E 29–4 4.5b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=13.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.1km az=17.4.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=92.0.
ISC XII 16 06 45 29.7–.91 10.5N–.10 141.7E–.10 35 3.9b 12 4-91
IDC XII 16 06 45 24.4–.86 10.53N 141.64E 0 4.0,3.9L **¶602391452**
ISCJB XII 16 06 45 27.5–.71 10.5N–.10 141.7E–.10 33 3.8b,3.9L
ISC Event type ke.
ISCJB Event type ke.
IDC XII 16 17 43 17.8–3.5 11.18N 141.68E 0 4.0,3.7b
¶602391479

IDC Error ellipse: s-maj=111.2km s-min=32.1km az=176.0.
IDC XII 16 17 44 03.0–3.5 11.25N 141.72E 0 4.0,3.7
¶602391482

IDC Error ellipse: s-maj=112.4km s-min=32.8km az=177.0.
IDC XII 17 02 10 27.9–.92 10.53N 141.72E 0 4.0,3.8b
¶602391519

IDC Error ellipse: s-maj=40.9km s-min=21.3km az=96.0.
IDC XII 17 17 34 55.1–4.4 3.97N 133.78E 0 4.4s,4.4
¶602391556

IDC Error ellipse: s-maj=235.0km s-min=30.9km az=74.0.
ISC XII 19 03 04 01.5–.84 10.6N–.10 141.6E–.10 35 4.3b 30 4-151
IDC XII 19 03 03 56.3–.82 10.57N 141.60E 0 4.2,4.2L ¶602374071
ISCJB XII 19 03 03 59.1–.45 10.58N–.06 141.67E–.08 33 4.2b,3.0s
NEIC XII 19 03 04 01.6–.32 10.58N 141.66E 35 4.5b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=19.2km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=26.7.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.5km az=94.0.
IDC XII 19 07 07 08.0–1.1 10.54N 141.71E 0 3.8,3.6
¶602391657
IDC Error ellipse: s-maj=48.0km s-min=22.6km az=95.0.
ISC XII 19 08 46 47.5–.68 10.6N–.10 141.6E–.10 35 4.4b,3.3s 44 4-151
IDC XII 19 08 46 42.0–.69 10.56N 141.64E 0 4.6,4.4 ¶602051803
BJI XII 19 08 46 41.7 10.87N 142.11E 17 4.9b,4.7b
ISCJB XII 19 08 46 44.8–.40 10.49N–.05 141.65E–.07 33 4.4b,3.3s
NEIC XII 19 08 46 46.9–1.3 10.50N 141.69E 36–12 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=16.5km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=26.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.9km az=92.0.
ISC XII 19 19 33 59.3–.70 10.6N–.10 141.7E–.10 35 4.5b,3.3s 42 4-150
IDC XII 19 19 33 54.3–.70 10.54N 141.64E 0 4.4,4.4L ¶602374068
ISCJB XII 19 19 33 57.0–.51 10.52N–.08 141.69E–.07 33 4.4b,3.3s
NEIC XII 19 19 33 58.3–4.2 10.52N 141.63E 28–30 4.7b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=17.1km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.7km az=141.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.2km az=124.0.
IDC XII 24 20 46 33.2–3.3 10.60N 140.95E 85–35 3.7,3.7
¶602392018
IDC Error ellipse: s-maj=28.8km s-min=16.5km az=106.0.

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ISC VII 01 23 17 11.8–.49 10.97N–.07 143.30E–.08 35 4.6b 52 3-149
IDC VII 01 23 17 06.1–.53 10.96N 143.17E 0 4.5L,4.4 ¶601235591
BJI VII 01 23 17 07.7 11.08N 143.66E 25 4.7b,4.7b
ISCJB VII 01 23 17 10.0–.41 10.94N–.06 143.24E–.06 33 4.5b,4.7b
NEIC VII 01 23 17 12.4–2.2 10.98N 143.18E 37–20 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=12.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=40.8.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.9km az=59.0.
ISC VII 05 06 50 23.9–1.1 12.1N–.20 143.1E–.20 31 3.7b 7 2-71
IDC VII 05 06 50 19.2–1.0 12.11N 143.09E 0 3.8,3.7L ¶601663503
ISCJB VII 05 06 50 22.0–.84 12.1N–.10 143.0E–.10 31 3.6b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC VII 06 00 11 55.4–.76 12.0N–.10 143.2E–.10 31 4.1b 19 2-92
IDC VII 06 00 11 50.7–1.0 12.04N 143.18E 0 4.2,4.1L ¶601351261
NEIC VII 06 00 11 52.3–.43 12.03N 143.18E 10 4.2b,4.1L
ISCJB VII 06 00 11 53.6–.56 12.00N–.08 143.14E–.10 31 4.0b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 07 10 46 08.3–1.8 13.35N 143.97E 115–31 3.8,3.6
¶601663587
IDC Error ellipse: s-maj=67.7km s-min=17.2km az=87.0.
ISC VII 09 04 26 27.1–.94 12.6N–.10 144.0E–.20 27 4.0b 7 1-79
IDC VII 09 04 26 23.4–1.1 12.57N 143.85E 0 4.0,3.9 ¶601664322
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=20.2km az=108.0.
ISC VII 14 03 09 10.0–2.9 12.37N–.05 144.16E–.07 13–17 4.6b,3.6s 136 1-155
IDC VII 14 03 09 07.8–.46 12.39N 144.05E 0 4.4,4.4b ¶601273213
ISCJB VII 14 03 09 07.6–2.1 12.37N–.03 143.99E–.05 5–13 4.6b,3.6s
BJI VII 14 03 09 09.6 12.41N 144.27E 24 4.8b,4.6b
NEIC VII 14 03 09 13.4–.17 12.38N 143.99E 35 4.8b,4.6b
DJA VII 14 03 09 13.5–.70 12N–6.0 144E–23 57–22 5.2b,4.8
GCMT VII 14 03 09 13.4–.40 12.29N 144.02E 22–1 4.8W,4.8
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=10.6km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=9.3.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=91.0.
GCMT Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c21; s59,c81; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48±.18 $M_{\theta\theta}$1.87±.12; $M_{\phi\phi}$-0.39±.12; $M_{r\theta}$0.37±.17; $M_{\theta\phi}$-0.70±.07; $M_{\phi r}$1.47±.24; Best double couple: NP1:ϕ_s137.00000°,δ56.00000°,λ-44.00000°. NP2:ϕ_s255.00000°,δ55.00000°,λ-137.00000°. Principal axes: T 2.0710,Plg1.0000°,Azm196.0000°; N 0.5420,Plg37.0000°,Azm287.0000°; P -2.6140,Plg53.0000°,Azm105.0000° $M_0$2.34200×10^{16}
ISC VII 14 03 15 44.6–.51 11.60N–.07 142.3E–.10 25 4.1b 27 3-150
IDC VII 14 03 15 40.7–.56 11.58N 142.25E 0 4.3,4.1 ¶601468484
ISCJB VII 14 03 15 42.6–.40 11.58N–.06 142.28E–.08 25 4.0b,4.1
NEIC VII 14 03 15 46.0–1.1 11.58N 142.29E 36–11 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=13.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.5km az=26.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=94.0.
ISC VII 14 18 10 55.1–.90 11.6N–.10 142.7E–.10 32 3.8b 14 3-92
IDC VII 14 18 10 50.4–.87 11.60N 142.77E 0 4.0,3.8 ¶601664578
ISCJB VII 14 18 10 53.4–.69 11.6N–.10 142.7E–.10 32 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 19 10 17 45.3–1.4 11.42N–.10 145.0E–.40 35 3.8b 10 2-72
IDC VII 19 10 17 40.0–1.3 11.38N 145.02E 0 4.0,3.9L ¶601664827
ISCJB VII 19 10 17 43.1–1.1 11.39N–.07 145.0E–.30 33 3.8b,3.9L
ISC Event type ke.
ISCJB Event type ke.
ISC VII 20 19 06 20.8–.99 12.0N–.10 143.8E–.20 26 3.8b 11 2-92
IDC VII 20 19 06 16.7–1.1 12.00N 143.78E 0 4.0,3.8 ¶601664881
ISCJB VII 20 19 06 19.0–.92 12.0N–.10 143.7E–.20 26 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 24 20 44 32.6–.60 12.93N–.09 144.9E–.10 57 4.0b,3.0s 28 1-148
IDC VII 24 20 44 33.3–.88 13.04N 144.87E 63–6 4.0,3.9 ¶601666389
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=13.4km az=84.0.
IDC VII 27 19 49 50.8–1.8 12.03N 144.51E 115–18 3.6,3.4
¶601666536
IDC Error ellipse: s-maj=63.8km s-min=21.0km az=98.0.
IDC VIII 02 19 08 25.6–4.6 12.03N 144.36E 84–84 3.5,3.3
¶601765365
IDC Error ellipse: s-maj=161.2km s-min=22.3km az=86.0.
ISC VIII 08 23 12 25.1–1.1 11.6N–.20 142.7E–.20 25 3.6b 6 3-90
IDC VIII 08 23 12 21.2–1.1 11.59N 142.69E 0 4.0,3.7b ¶601765675
ISCJB VIII 08 23 12 23.3–.92 11.6N–.10 142.6E–.20 25 3.6b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 13 21 47 34.5–1.3 12.3N–.10 144.4E–.20 30 3.7b,2.6s 9 1-71
IDC VIII 13 21 47 30.2–1.3 12.38N 144.34E 0 3.9,3.8b ¶601765810
ISCJB VIII 13 21 47 32.9–1.1 12.4N–.10 144.3E–.20 30 3.7b,2.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 18 10 28.6–.70 12.1N–.10 141.9E–.10 50 4.0b 14 3-151
ISCJB VIII 18 18 10 27.5–.60 12.2N–.10 141.84E–.08 50 4.0b ¶601766089
IDC VIII 18 18 10 32.2–2.2 12.14N 142.07E 83–22 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=9.2km az=148.9.
IDC Error ellipse: s-maj=20.7km s-min=14.1km az=119.0.
IDC VIII 23 06 32 22.5–2.8 12.20N 141.25E 130–30 4.2,3.9
¶601766341
IDC Error ellipse: s-maj=25.9km s-min=16.1km az=86.0.
IDC VIII 23 07 24 49.5–1.4 11.42N 142.63E 0 4.1,3.9
¶601766344
IDC Error ellipse: s-maj=86.7km s-min=29.0km az=100.0.
ISC VIII 28 17 10 32.3–1.1 13.22N–.08 146.6E–.10 26 4.1b,3.1s 30 2-71
IDC VIII 28 17 10 28.8–1.3 13.28N 146.57E 0 3.9,3.8b ¶601755525
NEIC VIII 28 17 10 29.2–.63 13.25N 146.77E 10 4.8b,3.8b
ISCJB VIII 28 17 10 30.4–.68 13.28N–.05 146.65E–.09 26 4.0b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 30 03 01 58.4–.74 12.17N–.09 144.1E–.10 26 4.3b,3.2s 34 2-92
IDC VIII 30 03 01 55.0–.86 12.27N 143.85E 0 4.2,4.0b ¶601755596
NEIC VIII 30 03 02 01.7–1.3 12.16N 144.07E 54–12 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=16.9km az=110.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.5km az=93.0.
ISC IX 02 06 41 02.4–1.2 12.38N–.06 144.08E–.08 48–11 4.6b,3.8s 145 1-149
IDC IX 02 06 40 55.8–.51 12.42N 144.09E 0 4.4,4.3 ¶601670440
MOS IX 02 06 40 59.2–.80 12.39N 143.97E 34 4.7b,4.3
BJI IX 02 06 40 59.6 12.16N 144.23E 50 4.9b,4.7b
ISCJB IX 02 06 41 00.1–.92 12.36N–.04 143.95E–.05 39–8 4.6b,3.8s
NEIC IX 02 06 41 02.5–.80 12.37N 144.02E 48–7 4.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=11.6km az=101.0.
MOS Error ellipse: s-maj=12.9km s-min=7.4km az=112.7.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.5km az=13.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=109.0.
ISC IX 03 10 12 45.5–.56 12.66N–.09 142.52E–.10 200 3.8b 29 2-150
ISCJB IX 03 10 12 43.9–.50 12.63N–.07 142.51E–.08 200 3.8b ¶601862857
IDC IX 03 10 12 43.4–1.4 12.63N 142.35E 173–13 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=10.2km az=142.5.
IDC Error ellipse: s-maj=16.5km s-min=9.4km az=77.0.
ISC IX 03 21 31 32.4–.86 12.7N–.10 143.8E–.10 10 3.9b 14 1-149
ISCJB IX 03 21 31 31.1–.69 12.7N–.10 143.64E–.09 10 3.8s,3.7b ¶601862882
IDC IX 03 21 31 31.3–.78 12.75N 143.71E 0 4.0s,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=9.2km az=146.4.
IDC Error ellipse: s-maj=20.6km s-min=16.5km az=122.0.
IDC IX 06 15 51 00.2–4.7 13.53N 143.39E 114–39 3.6,3.6
¶601863053
IDC Error ellipse: s-maj=74.8km s-min=19.4km az=118.0.
ISC IX 07 21 35 04.4–.68 11.80N–.09 143.4E–.10 25 4.0b,2.8s 19 2-89
IDC IX 07 21 35 00.8–.89 11.80N 143.31E 0 4.0,4.0L ¶601734462
ISCJB IX 07 21 35 02.7–.56 11.76N–.07 143.25E–.09 25 3.9b,2.7s
NEIC IX 07 21 35 05.8–.43 11.78N 143.32E 35 4.2b,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=17.6km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=8.3km az=33.7.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.4km az=99.0.
ISC IX 11 16 36 52.6–.69 11.81N–.03 143.29E–.03 25–4 5.7s,5.7b 1136 2-168
BJI IX 11 16 36 48.7 12.04N 143.30E 6 5.9s,5.8 ¶601709218
IDC IX 11 16 36 48.8–.31 11.84N 143.28E 0 5.6,5.6s
ISCJB IX 11 16 36 48.9–.09 11.84N–.02 143.21E–.02 8 5.7s,5.6b
NEIC IX 11 16 36 49.8–.08 11.84N 143.22E 8 5.9W,5.8W
DJA IX 11 16 36 50.6–.90 12N–2.0 143E–3.0 12–6 6.2b,6.0
NEIC IX 11 16 36 50.0–.00 11.59N 143.43E 15 6.2b,6.0
MOS IX 11 16 36 52.4–.94 11.86N 143.14E 33 6.0b,5.8s
GCMT IX 11 16 36 54.8–.10 11.60N 143.11E 12 5.9W,5.8s
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=7.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.0km az=157.0.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=2.3km az=107.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s73 Moment tensor: Scale 10^{17}Nm; M_{rr}4.16 $M_{\theta\theta}$-4.93 $M_{\phi\phi}$0.78 $M_{r\theta}$5.04 $M_{\theta\phi}$-1.20 $M_{\phi r}$1.17 Best double couple: NP1:ϕ_s261.00000°,δ21.00000°,λ93.00000°. NP2:ϕ_s77.00000°,δ69.00000°,λ89.00000°. Principal axes: T 6.4600,Plg66.0000°,Azm345.0000°; N 1.0200,Plg1.0000°,Azm78.0000°; P -7.4800,Plg24.0000°,Azm168.0000° $M_0$7.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ10.00000°,λ90.00000°. NP2:ϕ_s70.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm340.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm160.0000°
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}8.15 $M_{\theta\theta}$-7.06 $M_{\phi\phi}$-1.09 $M_{r\theta}$2.57 $M_{\theta\phi}$-0.24 $M_{\phi r}$-1.59 Best double couple: NP1:ϕ_s98.00000°,δ55.00000°,λ101.00000°. NP2:ϕ_s259.00000°,δ36.00000°,λ75.00000°. Principal axes: T 8.8300,Plg76.0000°,Azm44.0000°; N -1.3500,Plg9.0000°,Azm271.0000°; P -7.4800,Plg9.0000°,Azm180.0000° $M_0$8.20000×10^{17}
MOS Error ellipse: s-maj=6.7km s-min=4.1km az=104.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c277; s147,c480; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.82±.01 $M_{\theta\theta}$-0.89±.01; $M_{\phi\phi}$0.07±.01; $M_{r\theta}$0.49±.01; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.23±.01; Best double couple: NP1:ϕ_s98.00000°,δ61.00000°,λ109.00000°. NP2:ϕ_s242.00000°,δ34.00000°,λ59.00000°. Principal axes: T 1.0220,Plg68.0000°,Azm46.0000°; N 0.0100,Plg17.0000°,Azm268.0000°; P -1.0320,Plg14.0000°,Azm174.0000° $M_0$1.02700×10^{18}
IDC IX 11 17 42 26.5–1.6 11.70N 143.84E 0 3.7,3.4
¶601863366
IDC Error ellipse: s-maj=211.1km s-min=26.5km az=110.0.
ISC IX 11 20 52 05.3–1.9 11.82N–.05 143.49E–.06 11–12 4.9b,3.7s 230 2-149
BJI IX 11 20 51 58.2 11.36N 144.02E 10 4.8b,4.6b ¶601706391
ISCJB IX 11 20 52 03.6–.20 11.80N–.03 143.35E–.03 10 4.8b,3.7s
IDC IX 11 20 52 04.0–.50 11.86N 143.34E 0 4.5,4.5
NEIC IX 11 20 52 05.3–.16 11.83N 143.35E 10 5.0b,4.5
MOS IX 11 20 52 07.4–1.0 11.91N 143.27E 33 5.0b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.7km az=43.7.
IDC Error ellipse: s-maj=17.6km s-min=12.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=124.0.
MOS Error ellipse: s-maj=11.4km s-min=7.5km az=103.3.
ISC IX 17 08 35 31.3–.66 11.79N–.10 143.3E–.10 25 4.5b,3.2s 40 2-96
IDC IX 17 08 35 27.4–.75 11.82N 143.32E 0 4.4,4.2 ¶601863702
ISCJB IX 17 08 35 29.8–.37 11.80N–.06 143.20E–.07 25 4.5b,3.3s
NEIC IX 17 08 35 32.9–.33 11.80N 143.28E 35 4.6b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=14.9km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.9km az=28.4.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.4km az=103.0.
ISC IX 20 07 52 21.4–.97 11.7N–.20 143.1E–.20 32 3.7b 8 3-89
IDC IX 20 07 52 16.6–.93 11.75N 143.07E 0 3.9,3.7 ¶601863877
ISCJB IX 20 07 52 19.7–.78 11.7N–.10 143.0E–.20 32 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IX 20 12 54 12.1–1.3 11.28N 145.34E 0 3.8L,3.6
¶601863894
IDC Error ellipse: s-maj=61.5km s-min=20.7km az=97.0.
ISC IX 20 21 03 12.0–1.3 11.5N–.10 145.6E–.30 35 3.6b 9 2-70
IDC IX 20 21 03 06.5–1.3 11.44N 145.69E 0 3.8,3.8L ¶601735541
ISCJB IX 20 21 03 09.7–1.1 11.44N–.08 145.6E–.20 33 3.5b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 23 11 32 54.7–.97 12.70N–.09 144.8E–.30 30 3.7b 8 1-88
IDC IX 23 11 32 50.5–.95 12.67N 144.68E 0 4.0,3.8b ¶601864036
ISCJB IX 23 11 32 53.1–.78 12.66N–.08 144.7E–.30 30 3.7b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 23 23 42 28.5–.70 11.73N–.03 143.42E–.04 19–2 5.4b,5.1s 738 2-174
BJI IX 23 23 42 24.9 11.73N 143.49E 12 5.2b,5.0b ¶601738421
IDC IX 23 23 42 25.2–.36 11.75N 143.36E 0 5.1,5.0
ISCJB IX 23 23 42 26.0–.10 11.71N–.02 143.25E–.02 10 5.3b,5.0s
MOS IX 23 23 42 27.0–1.1 11.74N 143.21E 21 5.6b,4.9s

NEIC IX 23 23 42 27.1–1.6 11.71N 143.25E 9–10 5.5b,5.1s
GCMT IX 23 23 42 30.1–.10 11.53N–.01 143.24E–.01 12 5.3W,5.1s
DJA IX 23 23 42 33.9–.50 12N–3.0 144E–3.0 51–5 5.7b,5.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c153; s113,c232;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.01 $M_{\theta\theta}$-1.03±.01; $M_{\phi\phi}$0.11±.01; $M_{r\theta}$0.37±.03; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$-0.39±.04; Best double couple: NP1:ϕ_s103.00000°,δ58.00000°,λ118.00000°. NP2:ϕ_s238.00000°,δ41.00000°,λ54.00000°. Principal axes: T 1.1560,Plg65.0000° ,Azm64.0000°; N -0.0450,Plg23.0000°,Azm267.0000°; P -1.1110,Plg9.0000°,Azm173.0000° $M_0$1.13400×10^{17}

IDC IX 23 23 58 14.2–1.6 12.00N 142.68E 0 4.0,3.9L
¶601864061
IDC Error ellipse: s-maj=96.8km s-min=22.2km az=118.0.
ISC IX 24 13 57 33.2–.45 11.90N–.07 142.93E–.08 31 4.4b,3.3s 60 3-150
NEIC IX 24 13 57 30.1–.26 11.95N 142.90E 10 4.6b,3.3s **¶601738741**
ISCJB IX 24 13 57 31.4–.31 11.92N–.05 142.87E–.05 31 4.4b,3.3s
BJI IX 24 13 57 35.3 12.11N 142.37E 22 4.9b,4.6b
IDC IX 24 13 57 35.1–2.0 11.97N 142.97E 44–19 4.6L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=23.7.
IDC Error ellipse: s-maj=16.1km s-min=10.5km az=90.0.
ISC IX 25 09 39 30.9–.91 11.6N–.20 143.5E–.20 37 3.8b 10 2-89
IDC IX 25 09 39 25.4–.84 11.58N 143.51E 0 4.0,3.9L **¶601864145**
ISCJB IX 25 09 39 29.2–.74 11.5N–.10 143.4E–.20 37 3.8b,3.8s
ISC Event type ke.
ISCJB Event type ke.
IDC X 03 01 31 51.6–1.4 11.43N 143.06E 0 3.9,3.7
¶601996873
IDC Error ellipse: s-maj=44.6km s-min=30.2km az=85.0.
IDC X 09 07 41 29.3–3.5 11.55N 143.21E 0 4.4,4.4s
¶601997628
IDC Error ellipse: s-maj=184.7km s-min=26.2km az=119.0.
IDC X 12 20 02 18.6–6.5 12.96N 143.18E 179–113 3.3,3.0
¶601998045
IDC Error ellipse: s-maj=179.0km s-min=26.9km az=83.0.
ISC X 14 03 44 01.3–.71 12.2N–.10 143.6E–.10 25 4.6b 28 2-149
IDC X 14 03 43 57.4–.82 12.17N 143.62E 0 4.6,4.5 **¶601845990**
ISCJB X 14 03 44 00.1–.62 12.2N–.10 143.48E–.08 25 4.5b,4.5
NEIC X 14 03 44 02.7–.45 12.17N 143.63E 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=19.9km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.3km az=148.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.7km az=171.0.
IDC X 16 05 58 59.0–1.4 12.50N 144.43E 0 3.6,3.5
¶601998465
IDC Error ellipse: s-maj=67.6km s-min=27.0km az=100.0.
ISC X 19 04 32 04.0–.98 12.5N–.20 144.1E–.30 27 3.6b 8 1-149
IDC X 19 04 32 00.5–.88 12.55N 143.90E 0 3.7,3.5 **¶601998889**
ISCJB X 19 04 32 02.3–.83 12.5N–.20 144.0E–.20 27 3.4b,2.9s
ISC Event type ke.
ISCJB Event type ke.
IDC X 19 08 11 15.0–6.5 13.05N 143.44E 107–92 3.4,3.2
¶601998900
IDC Error ellipse: s-maj=110.3km s-min=28.7km az=85.0.
IDC X 22 09 39 20.8–4.9 13.28N 142.83E 174–41 3.9,3.8
¶601999261
IDC Error ellipse: s-maj=88.6km s-min=16.3km az=116.0.
IDC X 29 17 48 55.1–1.4 12.06N 144.22E 0 3.5,3.2
¶602000329
IDC Error ellipse: s-maj=45.3km s-min=18.9km az=109.0.
IDC XI 01 08 39 59.5–1.6 11.66N 144.23E 0 4.2,4.0
¶602388671
IDC Error ellipse: s-maj=148.8km s-min=24.3km az=106.0.
ISC XI 02 17 10 21.1–.96 12.9N–.10 145.5E–.20 43 3.8b,3.1s 12 1-145
IDC XI 02 17 10 14.8–.88 12.88N 145.57E 0 3.9,3.7b **¶602388727**
ISCJB XI 02 17 10 19.2–.79 12.8N–.10 145.5E–.10 43 3.7b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 02 17 30 19.9–1.2 12.62N 143.93E 0 3.6,3.4
¶602388729
IDC Error ellipse: s-maj=38.9km s-min=17.8km az=121.0.
ISC XI 06 19 04 35.1–1.0 12.2N–.10 143.6E–.20 25 3.6b 10 2-92
IDC XI 06 19 04 31.5–1.0 12.20N 143.57E 0 3.9,3.7 **¶602388922**
ISCJB XI 06 19 04 33.7–.76 12.2N–.10 143.5E–.10 25 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 08 03 11 56.5–1.2 12.52N 144.20E 0 4.3s,4.3
¶602389013
IDC Error ellipse: s-maj=38.8km s-min=17.3km az=112.0.
ISC XI 11 15 34 19.1–.55 11.90N–.08 143.21E–.08 31 4.7b,3.3s 85 2-149
IDC XI 11 15 34 14.5–.63 11.96N 143.21E 0 4.6L,4.4 **¶601991721**
NEIC XI 11 15 34 15.2–2.8 11.96N 143.19E 5–17 4.9b,4.4
ISCJB XI 11 15 34 17.5–.31 11.96N–.05 143.08E–.06 31 4.5b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 11 18 00 35.1–2.0 12.16N 142.75E 0 4.0,3.6
¶602389229
IDC Error ellipse: s-maj=190.7km s-min=30.1km az=111.0.
IDC XI 13 09 23 54.5–3.3 12.27N 144.03E 0 3.7,3.4
¶602389333
IDC Error ellipse: s-maj=265.6km s-min=19.1km az=117.0.
ISC XI 14 15 21 35.2–.94 12.7N–.20 143.8E–.10 27 3.8b 8 1-149
IDC XI 14 15 21 31.3–.94 12.62N 143.77E 0 3.9,3.7 **¶602389392**
ISCJB XI 14 15 21 33.5–.81 12.6N–.10 143.7E–.10 27 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 15 16 08 19.7–.41 11.68N–.06 142.52E–.08 39–5 4.9b 111 3-150
NEIC XI 15 16 08 17.8–2.2 11.67N 142.55E 25–15 5.0b **¶602056710**
ISCJB XI 15 16 08 18.9–1.2 11.63N–.04 142.54E–.05 48–11 4.8b
IDC XI 15 16 08 21.5–2.2 11.70N 142.58E 55–21 4.4L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.7km az=25.7.
IDC Error ellipse: s-maj=17.1km s-min=10.8km az=96.0.
IDC XI 21 08 07 27.2–1.6 12.14N 143.06E 0 3.8,3.6L
¶602389777
IDC Error ellipse: s-maj=83.0km s-min=20.4km az=122.0.
ISC XI 29 14 07 03.0–.92 12.5N–.20 143.8E–.20 27 3.8b 10 2-70
IDC XI 29 14 06 59.5–1.0 12.54N 143.70E 0 4.0,3.9L **¶602083369**
NEIC XI 29 14 07 00.7–.68 12.50N 143.73E 10 4.1b,3.9L
ISCJB XI 29 14 07 01.7–.71 12.5N–.10 143.7E–.20 27 3.7b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 29 20 38 56.1–1.3 11.94N 143.32E 0 3.8,3.7L
¶602390190
IDC Error ellipse: s-maj=97.5km s-min=18.7km az=117.0.
IDC XI 29 21 26 07.8–3.9 12.47N 143.66E 68–36 3.8,3.8
¶602390192
IDC Error ellipse: s-maj=77.3km s-min=16.6km az=113.0.
ISC XI 30 00 03 53.4–.98 12.4N–.10 144.3E–.20 30 3.8b 12 1-135
ISCJB XI 30 00 03 52.2–.76 12.3N–.10 144.1E–.20 30 3.9b,2.8s **¶602390208**
IDC XI 30 00 03 56.9–1.8 12.36N 144.32E 60–17 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=9.3km az=31.8.
IDC Error ellipse: s-maj=28.7km s-min=15.2km az=108.0.

IDC XII 02 07 35 41.0–1.4 13.85N 146.02E 0 3.7,3.4
¶602390337
IDC Error ellipse: s-maj=39.1km s-min=19.7km az=149.0.
IDC XII 02 18 01 59.1–1.6 12.30N 144.79E 0 3.6s,3.6
¶602390362
IDC Error ellipse: s-maj=47.6km s-min=17.6km az=97.0.
ISC XII 04 03 03 50.6–.84 13.2N–.20 146.0E–.10 50 3.7b 12 1-145
IDC XII 04 03 03 43.8–.88 13.24N 146.13E 0 3.9,3.7b **¶602390422**
ISCJB XII 04 03 03 48.6–.77 13.2N–.10 146.12E–.09 50 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 04 14 08 13.0–.92 12.7N–.20 143.8E–.10 27 3.5b,3.1s 10 1-88
IDC XII 04 14 08 09.0–.84 12.65N 143.74E 0 3.7,3.6 **¶602390452**
ISCJB XII 04 14 08 11.3–.70 12.6N–.10 143.7E–.10 27 3.5b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 06 11 22 34.8–.46 11.82N–.06 143.81E–.10 26 4.6b,3.3s 91 2-149
IDC XII 06 11 22 30.9–.62 11.85N 143.79E 0 4.4,4.4L **¶602068741**
ISCJB XII 06 11 22 33.1–.24 11.80N–.04 143.69E–.05 26 4.5b,3.3s
NEIC XII 06 11 22 35.8–2.0 11.81N 143.76E 33–14 4.7b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=16.7.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=99.0.
IDC XII 08 05 56 10.2–4.6 12.97N 143.62E 141–80 3.6,3.4
¶602390787
IDC Error ellipse: s-maj=135.1km s-min=20.6km az=83.0.
ISC XII 09 00 31 39.3–.90 13.1N–.20 143.8E–.10 138 3.4b 12 1-149
ISCJB XII 09 00 31 37.9–.84 13.1N–.20 143.7E–.10 138 3.4b **¶602390863**
IDC XII 09 00 31 39.8–1.1 13.08N 144.02E 149–7 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.9km s-min=13.2km az=165.4.
IDC Error ellipse: s-maj=23.9km s-min=22.3km az=61.0.
IDC XII 10 07 43 32.9–2.3 12.34N 144.15E 0 4.0,3.7
¶602390968
IDC Error ellipse: s-maj=194.8km s-min=17.4km az=115.0.
IDC XII 10 07 50 07.3–1.6 12.26N 144.29E 0 3.9,3.6b
¶602390969
IDC Error ellipse: s-maj=133.5km s-min=17.0km az=112.0.
IDC XII 10 09 06 28.6–1.7 12.37N 144.08E 0 4.0,3.6
¶602390972
IDC Error ellipse: s-maj=147.9km s-min=16.8km az=116.0.
ISC XII 11 21 48 21.6–.78 11.4N–.10 143.5E–.10 37 4.4b 55 3-149
IDC XII 11 21 48 15.9–.73 11.41N 143.44E 0 4.5,4.3 **¶602070466**
ISCJB XII 11 21 48 19.8–.52 11.40N–.07 143.44E–.07 37 4.4b,2.8s
NEIC XII 11 21 48 19.4–3.3 11.39N 143.42E 21–23 4.6b,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.6km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.0km az=42.9.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.3km az=111.0.
IDC XII 15 08 41 02.3–3.2 11.89N 144.14E 53–28 3.6,3.6
¶602391373
IDC Error ellipse: s-maj=49.7km s-min=20.7km az=108.0.
IDC XII 18 01 45 38.1–1.3 11.88N 144.63E 0 6.4L,3.8
¶602047006
IDC Error ellipse: s-maj=54.1km s-min=20.8km az=111.0.
IDC XII 18 08 58 29.6–4.3 13.57N 143.82E 105–70 4.0s,4.0
¶602391596
IDC Error ellipse: s-maj=119.6km s-min=22.5km az=84.0.
ISC XII 26 05 13 32.2–.63 11.53N–.09 143.4E–.10 37 4.1b 37 3-149
IDC XII 26 05 13 26.6–.73 11.46N 143.45E 0 4.2,4.0 **¶602380622**
ISCJB XII 26 05 13 30.1–.44 11.43N–.06 143.36E–.08 37 4.2b,2.9s
NEIC XII 26 05 13 31.6–.34 11.44N 143.42E 35 4.2b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=16.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=27.8.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=97.0.
IDC XII 28 12 52 48.3–1.4 12.35N 143.31E 0 3.8,3.5
¶602380779
IDC Error ellipse: s-maj=88.4km s-min=20.0km az=118.0.
ISC XII 30 13 12 49.8–.97 11.7N–.20 142.4E–.20 35 3.8b 11 36-90
IDC XII 30 13 12 44.4–.98 11.76N 142.46E 0 3.8,3.7 **¶602380892**
ISCJB XII 30 13 12 48.1–.87 11.7N–.20 142.3E–.20 35 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 30 22 51 36.3–1.0 11.8N–.20 143.4E–.20 25 3.7b 10 2-89
IDC XII 30 22 51 40.2–3.1 11.77N 143.30E 56–29 3.7s,3.7 **¶602380915**
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=20.8km az=121.0.

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IDC VII 02 07 35 16.1–1.4 32.36N 141.73E 0 3.7,3.5
¶601663394
IDC Error ellipse: s-maj=34.7km s-min=26.8km az=61.0.
ISC VII 02 13 58 25.9–1.4 32.49N–.08 141.7E–.10 26 3.4b 13 2-56
ISCJB VII 02 13 58 23.6–1.1 32.49N–.06 141.8E–.10 26 3.4b,2.3s **¶601663399**
JMA VII 02 13 58 23.8–.30 32.40N 141.78E 50 3.1,2.3s
IDC VII 02 13 58 25.1–3.5 32.07N 141.01E 0 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=8.7km az=172.5.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=120.7km s-min=19.1km az=64.0.
ISC VII 02 17 54 13.3–.97 32.24N–.08 137.86E–.09 400 3.2b 28 2-56
JMA VII 02 17 54 11.1–.30 32.16N 137.97E 409–3 3.1 **¶601663406**
ISCJB VII 02 17 54 12.6–.46 32.28N–.05 137.89E–.07 400 3.0b
IDC VII 02 17 54 14.7–.79 32.29N 137.62E 394–10 3.7,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.0km az=169.7.
IDC Error ellipse: s-maj=22.6km s-min=14.2km az=67.0.
ISC VII 04 07 04 58.9–.91 31.51N–.06 141.1E–.10 57 3.7b 18 1-94
ISCJB VII 04 07 04 57.1–.85 31.58N–.07 141.2E–.10 57 3.7b **¶601663463**
IDC VII 04 07 04 58.5–2.6 31.34N 140.84E 39–25 3.6,3.6
JMA VII 04 07 04 59.3–.20 31.91N 141.10E 4 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=7.4km az=158.4.
IDC Error ellipse: s-maj=48.4km s-min=17.0km az=67.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VII 05 00 35 06.7–.54 32.36N–.05 141.81E–.08 39 4.0b,3.4s 45 2-149
NIED VII 05 00 35 00 32.50N 141.80E 5 4.0W,3.4s **¶601404588**
IDC VII 05 00 35 01.6–.65 32.37N 141.75E 0 4.0,3.9
NEIC VII 05 00 35 02.5–2.8 32.36N 141.80E 6–17 4.3b,3.9
ISCJB VII 05 00 35 04.8–.40 32.36N–.04 141.76E–.07 39 3.9b,3.4s
JMA VII 05 00 35 04.6–.40 32.45N 141.79E 89 3.7,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ44.00000°,λ33.00000°. NP2:ϕ_s33.00000°,δ68.00000°,λ129.00000°. $M_0$1.20000×10^{15}
IDC Error ellipse: s-maj=18.6km s-min=14.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.0km az=153.2.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC VII 05 09 46 20.6–.43 32.36N–.03 141.79E–.03 27–2 5.0b,4.4s 785 2-149
NIED VII 05 09 46 00 32.40N 142.00E 5 4.8W,4.4s **¶601243267**
IDC VII 05 09 46 16.6–.36 32.32N 141.74E 0 4.8,4.7
ISCJB VII 05 09 46 17.5–.69 32.29N–.02 141.67E–.02 13–4 4.9b,4.5s
JMA VII 05 09 46 18.3–.20 32.39N 141.98E 32 4.8,4.5s
BJI VII 05 09 46 19.6 32.35N 141.62E 32 4.9b,4.8b
MOS VII 05 09 46 20.4–.93 32.34N 141.65E 33 5.2b,4.3s

GCMT VII 05 09 46 21.4–.30 32.17N 141.81E 17–0 5.0W,4.3s
NEIC VII 05 09 46 21.4–1.1 32.28N 141.64E 29–7 5.0b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ33.00000°,λ60.00000°. NP2:ϕ_s13.00000°,δ62.00000°,λ108.00000°. M_o2.04000×10^{16}
IDC Error ellipse: s-maj=11.2km s-min=9.0km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=22.9.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.1km az=114.7.
GCMT Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s35,c45; s85,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.15 $M_{\theta\theta}$-0.06±.09; $M_{\phi\phi}$-3.14±.10; $M_{r\theta}$0.88±.26; $M_{\theta\phi}$0.17±.07; $M_{\phi r}$0.92±.22; Best double couple: NP1:ϕ_s11.00000°,δ54.00000°,λ107.00000°. NP2:ϕ_s163.00000°,δ39.00000°,λ68.00000°. Principal axes: T 3.5420,Plg74.0000°,Azm330.0000°; N -0.2750,Plg14.0000°,Azm181.0000°; P -3.2720,Plg8.0000°,Azm89.0000° M_o3.40700×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.8km az=149.0.
ISC VII 06 07 24 31.7–1.4 32.47N–.08 141.8E–.10 39 3.6b 16 2-56
JMA VII 06 07 24 27.9–.20 32.52N 141.93E 21 3.5 ¶601663532
ISCJB VII 06 07 24 29.4–.96 32.49N–.06 141.94E–.09 39 3.7b
IDC VII 06 07 24 32.4–6.6 32.36N 141.69E 36–48 3.5,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=8.1km az=145.1.
IDC Error ellipse: s-maj=74.2km s-min=24.2km az=66.0.
ISC VII 06 10 53 18.3–1.1 32.09N–.07 138.26E–.08 396 3.1b 29 2-72
ISCJB VII 06 10 53 18.3–.45 32.17N–.05 138.27E–.08 396 3.1b ¶601663539
JMA VII 06 10 53 18.2–.40 32.10N 138.19E 396 3.3
IDC VII 06 10 53 21.2–1.2 32.11N 137.97E 365–26 3.7,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.2km az=153.3.
JMA Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=70.4km s-min=14.8km az=73.0.
ISC VII 06 16 01 23.3–.87 32.36N–.06 141.96E–.09 39 3.8b 27 2-93
IDC VII 06 16 01 20.4–1.2 32.21N 141.54E 0 3.8,3.7 ¶601663545
ISCJB VII 06 16 01 21.6–.71 32.44N–.05 141.95E–.09 39 3.7b,3.7
JMA VII 06 16 01 24.1–.70 32.54N 141.74E 60 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=15.3km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.4km az=160.0.
JMA Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0.
ISC VII 06 22 56 20.6–.58 31.69N–.06 141.14E–.10 57 3.8b 45 1-94
NIED VII 06 22 56 00 31.80N 141.30E 53 3.7W ¶601275644
ISCJB VII 06 22 56 18.9–.40 31.68N–.04 141.05E–.09 57 4.1s,3.8b
JMA VII 06 22 56 18.1–.40 31.83N 141.31E 38 4.2,3.8b
NEIC VII 06 22 56 20.7–.88 31.66N 141.06E 54–8 4.1b,3.8b
IDC VII 06 22 56 20.5–1.9 31.66N 140.98E 50–17 3.9L,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s123.00000°,δ13.00000°,λ-167.00000°. NP2:ϕ_s20.00000°,δ87.00000°,λ-78.00000°. M_o4.44000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=4.2km az=155.3.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.3km az=78.0.
IDC Error ellipse: s-maj=22.4km s-min=12.6km az=75.0.
ISC VII 07 02 54 20.4–1.4 32.44N–.08 141.9E–.10 39 3.7b 22 2-54
IDC VII 07 02 54 15.9–2.2 32.18N 141.57E 0 3.7b,3.7 ¶601663569
ISCJB VII 07 02 54 17.8–1.0 32.48N–.06 141.97E–.09 39 3.6b,3.7
JMA VII 07 02 54 17.3–.20 32.42N 141.94E 81 3.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=74.8km s-min=23.4km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.9km az=164.2.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VII 07 03 16 46.5–.52 31.47N–.05 140.64E–.08 125 3.9b 58 1-94
ISCJB VII 07 03 16 44.4–.35 31.47N–.03 140.69E–.08 125 4.0b ¶601663570
IDC VII 07 03 16 45.5–.82 31.37N 140.49E 113–7 4.0,3.7
JMA VII 07 03 16 47.4–.30 31.69N 140.81E 125–3 3.6,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.5km az=166.7.
IDC Error ellipse: s-maj=13.5km s-min=7.2km az=78.0.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC VII 08 03 01 08.5–.62 32.37N–.05 141.99E–.08 10 4.0b 49 2-85
NIED VII 08 03 01 00 32.50N 141.80E 5 3.8W ¶601405499
ISCJB VII 08 03 01 07.2–.46 32.40N–.04 141.97E–.06 10 4.0b
IDC VII 08 03 01 07.7–.89 32.38N 141.87E 0 3.9,3.9
JMA VII 08 03 01 09.9–.10 32.47N 141.82E 13 3.6,3.9
NEIC VII 08 03 01 09.9–3.3 32.40N 142.05E 17–21 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ37.00000°,λ31.00000°. NP2:ϕ_s57.00000°,δ72.00000°,λ123.00000°. M_o6.16000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=155.9.
IDC Error ellipse: s-maj=26.5km s-min=15.4km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.1km az=79.0.
ISC VII 09 21 08 14.6–.97 32.40N–.05 142.02E–.09 31 3.7b 23 2-56
ISCJB VII 09 21 08 13.0–.76 32.44N–.05 141.98E–.08 31 3.6b ¶601664352
JMA VII 09 21 08 14.1–.20 32.43N 141.77E 108 3.1
IDC VII 09 21 08 14.1–2.5 32.11N 141.38E 0 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.7km az=164.9.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=85.5km s-min=16.6km az=63.0.
ISC VII 10 00 32 28.5–.53 32.44N–.06 141.81E–.06 39 4.5b,3.5s 94 2-148
NIED VII 10 00 32 00 32.40N 141.80E 5 4.4W,3.5s ¶601456892
IDC VII 10 00 32 22.5–.65 32.36N 141.73E 0 4.3,4.1
BJI VII 10 00 32 24.4 32.38N 142.14E 42 4.6b,4.5b
JMA VII 10 00 32 25.2–.80 32.43N 141.84E 74 3.9,4.5b
ISCJB VII 10 00 32 26.8–.29 32.38N–.04 141.65E–.05 39 4.4b,3.6s
NEIC VII 10 00 32 28.6–.79 32.37N 141.67E 40–7 4.5b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ22.00000°,λ39.00000°. NP2:ϕ_s35.00000°,δ76.00000°,λ107.00000°. M_o4.94000×10^{15}
IDC Error ellipse: s-maj=20.2km s-min=14.5km az=53.0.
JMA Error ellipse: s-maj=4.4km s-min=6.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=142.7.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=108.0.
ISC VII 10 01 52 34.5–.54 29.29N–.06 141.9E–.10 30 4.3b,3.3s 50 2-94
NIED VII 10 01 52 00 29.30N 141.80E 5 4.3W,3.3s ¶601605929
IDC VII 10 01 52 30.3–.74 29.25N 141.96E 0 4.2,4.1L
ISCJB VII 10 01 52 33.0–.34 29.28N–.04 141.82E–.10 30 4.2b,3.2s
NEIC VII 10 01 52 34.1–3.8 29.21N 141.94E 26–27 4.6b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ15.00000°,λ13.00000°. NP2:ϕ_s181.00000°,δ87.00000°,λ105.00000°. M_o3.32000×10^{15}
IDC Error ellipse: s-maj=26.0km s-min=14.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=4.3km az=166.2.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=77.0.
ISC VII 10 03 51 07.9–.65 33.18N–.09 138.1E–.10 341 4.0b 31 1-118
IDC VII 10 03 51 04.8–1.9 33.01N 137.88E 308–19 4.4,3.9 ¶606346522
ISCJB VII 10 03 51 06.2–.50 33.09N–.07 138.06E–.10 341 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VII 10 04 23 35.9–1.2 32.28N–.06 142.0E–.10 39 3.6b 16 2-52
JMA VII 10 04 23 34.1–.50 32.35N 141.93E 91 3.0 ¶601664371
ISCJB VII 10 04 23 35.0–1.1 32.36N–.06 142.0E–.20 39 3.5b
IDC VII 10 04 23 37.0–3.1 31.78N 140.57E 0 3.6,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=6.9km az=166.6.
IDC Error ellipse: s-maj=126.2km s-min=22.2km az=68.0.
ISC VII 10 16 59 43.9–.64 30.10N–.06 138.63E–.09 443 3.2b 42 3-143
ISCJB VII 10 16 59 43.5–.39 30.03N–.04 138.52E–.07 443 3.3b ¶601664390
JMA VII 10 16 59 44.5–.50 30.30N 138.84E 487 3.7
IDC VII 10 16 59 44.6–.67 30.03N 138.50E 450–11 4.1,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=177.7.
JMA Error ellipse: s-maj=7.8km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=10.7km az=73.0.
ISC VII 11 11 22 08.4–1.1 32.18N–.06 142.0E–.10 35 3.4b 16 2-56
IDC VII 11 11 22 05.7–2.5 32.13N 141.68E 0 3.7s,3.7 ¶601664424
JMA VII 11 11 22 06.5–.30 32.24N 142.04E 97 3.3,3.7
ISCJB VII 11 11 22 07.3–.87 32.27N–.05 142.0E–.10 35 3.6s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 14 22 54 50.6–.76 32.93N–.05 139.55E–.06 179–6 3.5b 39 0-94
NIED VII 14 22 54 00 33.10N 139.50E 145 3.9W ¶601664591
ISCJB VII 14 22 54 49.8–.48 32.99N–.05 139.56E–.07 186–3 3.5b
IDC VII 14 22 54 50.7–.54 32.88N 139.33E 170–6 3.7,3.4
JMA VII 14 22 54 51.0–.20 33.07N 139.55E 184–2 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ35.00000°,λ55.00000°. NP2:ϕ_s118.00000°,δ62.00000°,λ111.00000°. M_o7.03000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.6km az=151.0.
IDC Error ellipse: s-maj=27.6km s-min=12.8km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VII 15 09 09 33.4–.91 32.12N–.06 140.86E–.09 57 3.5b 27 1-56
IDC VII 15 09 09 27.2–1.2 32.05N 141.10E 0 3.6,3.5L ¶601664609
ISCJB VII 15 09 09 33.1–.66 32.16N–.06 140.8E–.10 57 3.3b,2.9s
JMA VII 15 09 09 35.9–.20 32.37N 140.83E 42 3.8,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=18.5km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=6.1km az=153.7.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VII 15 22 18 10.1–.58 30.95N–.05 140.87E–.07 78–5 4.2b 108 2-153
NIED VII 15 22 18 00 31.00N 141.20E 56 4.2W ¶601276376
ISCJB VII 15 22 18 07.5–.47 30.92N–.03 140.94E–.05 62–4 4.3b
JMA VII 15 22 18 07.6–.20 31.00N 141.19E 60 4.5
NEIC VII 15 22 18 08.3–.89 30.93N 141.18E 43–9 4.5b
IDC VII 15 22 18 10.9–.67 31.01N 140.57E 82–5 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ69.00000°,λ20.00000°. NP2:ϕ_s123.00000°,δ71.00000°,λ158.00000°. M_o2.25000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=163.1.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.5km az=117.0.
IDC Error ellipse: s-maj=13.9km s-min=9.0km az=75.0.
ISC VII 18 04 54 06.1–.47 29.13N–.05 142.71E–.07 27 4.6s,4.3b 111 2-155
IDC VII 18 04 54 01.5–.57 29.06N 142.57E 0 4.9,4.9s ¶601404604
BJI VII 18 04 54 02.1 28.85N 143.24E 41 5.0b,4.6b
NEIC VII 18 04 54 03.4–2.9 29.02N 142.56E 12–17 4.6b,4.6b
ISCJB VII 18 04 54 04.2–.28 29.07N–.04 142.57E–.06 27 4.5s,4.3b
MOS VII 18 04 54 05.2–.94 29.07N 142.55E 35 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=13.4km az=86.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.9km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=169.2.
MOS Error ellipse: s-maj=14.6km s-min=8.0km az=117.1.
ISC VII 18 11 17 51.3–1.8 33.38N–.05 140.9E–.10 51–21 24 1-57
ISCJB VII 18 11 17 50.8–.94 33.39N–.04 140.89E–.10 69–11 3.5b ¶601664783
JMA VII 18 11 17 51.5–.10 33.47N 140.91E 41 3.2
IDC VII 18 11 17 56.8–.78 33.19N 139.77E 91–5 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.9km az=0.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=10.5km s-min=3.9km az=154.0.
JMA VII 20 03 02 22.5–.40 32.97N 139.34E 190–4 3.5
¶603643120
JMA Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
IDC VII 20 09 42 22.6–29 29.46N 138.03E 380–336 3.3,2.8
¶601664866
IDC Error ellipse: s-maj=52.6km s-min=17.8km az=83.0.
ISC VII 21 02 58 43.4–.35 29.09N–.04 142.69E–.05 27 4.7b,4.3s 277 2-151
NIED VII 21 02 58 00 29.10N 142.20E 5 4.9W,4.3s ¶601453739
BJI VII 21 02 58 38.6 28.98N 142.59E 10 4.9b,4.6b
MOS VII 21 02 58 39.7–1.0 29.05N 142.52E 14 4.9b,4.6b
IDC VII 21 02 58 39.2–.41 29.07N 142.59E 0 4.5,4.4
ISCJB VII 21 02 58 42.3–.16 29.05N–.03 142.50E–.03 27 4.6b,4.3s
GCMT VII 21 02 58 44.8–.40 28.85N 142.67E 19–1 4.9W,4.3s
NEIC VII 21 02 58 44.8–.14 29.05N 142.46E 35 4.8b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ29.00000°,λ122.00000°. NP2:ϕ_s326.00000°,δ66.00000°,λ73.00000°. M_o2.45000×10^{16}
MOS Error ellipse: s-maj=9.5km s-min=5.3km az=106.3.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.7km az=162.0.
GCMT Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s22,c23; s83,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.68±.20 $M_{\theta\theta}$-0.16±.11; $M_{\phi\phi}$-2.52±.13; $M_{r\theta}$1.61±.31; $M_{\theta\phi}$0.14±.07; $M_{\phi r}$0.60±.22; Best double couple: NP1:ϕ_s21.00000°,δ56.00000°,λ119.00000°. NP2:ϕ_s157.00000°,δ43.00000°,λ54.00000°. Principal axes: T 3.4690,Plg65.0000°,Azm346.0000°; N -0.8790,Plg24.0000°,Azm184.0000°; P -2.5900,Plg7.0000°,Azm91.0000° M_o3.02900×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.8km az=105.0.
ISC VII 21 05 43 59.5–.89 29.80N–.06 142.1E–.20 26 4.0b 28 3-84
IDC VII 21 05 43 56.4–.98 29.65N 141.74E 0 3.9,3.8 ¶601664907
ISCJB VII 21 05 43 57.7–.66 29.82N–.04 142.0E–.20 26 3.9b,3.8
JMA VII 21 05 43 58.1–.10 29.83N 142.16E 45 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=14.4km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=4.2km az=169.8.
JMA Error ellipse: s-maj=1.1km s-min=4.8km az=-1.0.
IDC VII 21 07 41 15.4–2.4 29.48N 141.05E 0 3.6,3.4
¶601664911
IDC Error ellipse: s-maj=103.8km s-min=22.0km az=70.0.
JMA VII 22 10 07 59.9–.20 32.08N 140.69E 39 3.6
¶603644320
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 22 11 11 38.5–.89 29.36N–.08 139.3E–.20 445 2.8b 27 3-53
IDC VII 22 11 11 38.1–3.5 29.09N 138.18E 406–96 3.6,2.8 ¶601664962
JMA VII 22 11 11 39.4–.10 29.49N 139.48E 464 3.6,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=185.1km s-min=14.9km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISC VII 22 17 25 55.6–1.4 31.45N–.10 141.1E–.20 57 3.5b 23 1-55
IDC VII 22 17 25 49.3–3.0 31.05N 140.70E 0 3.7,3.6 ¶601664982
JMA VII 22 17 25 54.7–.20 31.82N 141.10E 0 3.8,3.6
ISCJB VII 22 17 25 56.2–1.3 31.66N–.08 141.1E–.20 57 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 23 03 26 53.6–2.4 31.5N–.20 141.2E–.10 10 3.5b 12 2-149
IDC VII 23 03 26 45.0–1.2 30.65N 140.72E 0 4.0,4.0s ¶601666294
JMA VII 23 03 26 53.9–.30 31.69N 141.29E 2 3.5,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=27.3km az=74.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VII 26 01 30 01.6–.81 31.27N–.08 142.3E–.20 35 3.8b 9 4-93
IDC VII 26 01 29 56.7–1.0 31.34N 142.37E 0 3.9,3.7 ¶601666449
ISCJB VII 26 01 29 59.7–.72 31.24N–.06 142.2E–.20 35 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 27 14 11 12.4–.65 31.43N–.07 138.50E–.08 381 3.5b 43 1-78
NIED VII 27 14 11 00 31.60N 138.60E 400 4.2W ¶601666523
ISCJB VII 27 14 11 11.5–.38 31.31N–.04 138.48E–.06 381 3.5b

JMA VII 27 14 11 11.7–.20 31.56N 138.64E 414 3.6
IDC VII 27 14 11 13.2–.71 31.39N 138.39E 385–9 3.9,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s107.00000°,δ51.00000°,λ-141.00000°. NP2:ϕ_s350.00000°,δ61.00000°,λ-46.00000°. $M_0$2.65000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=156.3.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=11.2km az=72.0.
ISC VII 28 00 27 57.4–1.5 32.75N–.05 140.89E–.08 43–15 3.6b 31 1-77
IDC VII 28 00 27 55.2–.99 32.24N 139.48E 0 3.7,3.6 **¶601666546**
JMA VII 28 00 28 00.2–.20 32.86N 140.64E 66 3.6,3.6
NIED VII 28 00 28 00 32.90N 140.60E 5 3.7W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=15.8km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ30.00000°,λ-153.00000°. NP2:ϕ_s46.00000°,δ77.00000°,λ-63.00000°. $M_0$4.73000×10^{14}
ISC VII 28 06 22 51.9–1.1 32.66N–.06 140.4E–.10 97 17 1-56
ISCJB VII 28 06 22 51.8–.70 32.66N–.06 140.5E–.10 97 3.7b **¶601666559**
IDC VII 28 06 22 51.8–2.6 32.34N 139.38E 86–52 3.6,3.4
JMA VII 28 06 22 53.3–.10 32.77N 140.14E 117 2.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=6.4km az=162.1.
IDC Error ellipse: s-maj=123.0km s-min=16.5km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=4.7km az=-1.0.
ISC VII 28 10 07 40.1–2.5 32.35N–.05 140.44E–.09 4–15 3.4b 39 1-94
NIED VII 28 10 07 00 32.50N 140.30E 23 3.8W **¶601666562**
IDC VII 28 10 07 40.5–1.1 32.24N 140.07E 0 3.8L,3.7
JMA VII 28 10 07 45.8–.10 32.53N 140.26E 37–4 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ51.00000°,λ32.00000°. NP2:ϕ_s108.00000°,δ66.00000°,λ137.00000°. $M_0$5.68000×10^{14}
IDC Error ellipse: s-maj=40.0km s-min=15.0km az=74.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC VII 29 09 30 22.5–.83 30.0N–.10 138.8E–.20 421 3.2b 12 3-74
ISCJB VII 29 09 30 21.1–.62 29.90N–.08 138.6E–.10 421 3.3b **¶601666621**
IDC VII 29 09 30 22.4–.79 29.98N 138.80E 419–11 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=9.5km az=156.9.
IDC Error ellipse: s-maj=28.5km s-min=10.1km az=73.0.
ISC VII 31 00 54 03.3–2.5 31.9N–.10 140.7E–.10 58–22 3.5b 17 1-82
NIED VII 31 00 54 00 32.20N 140.80E 83 3.7W **¶601650798**
ISCJB VII 31 00 54 03.5–1.5 32.00N–.09 140.7E–.20 78–12 3.5b
IDC VII 31 00 54 06.2–2.9 31.69N 140.03E 67–56 3.4,3.3
JMA VII 31 00 54 06.3–.20 32.17N 140.76E 36 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s282.00000°,δ29.00000°,λ26.00000°. NP2:ϕ_s168.00000°,δ78.00000°,λ116.00000°. $M_0$4.30000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=14.6km az=0.2.
IDC Error ellipse: s-maj=178.8km s-min=19.1km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC VIII 05 01 04 19.4–5.8 31.51N 138.08E 318–141 3.2,2.8
¶601765476
IDC Error ellipse: s-maj=273.9km s-min=30.2km az=63.0.
ISC VIII 05 18 54 22.0–.68 32.48N–.06 138.51E–.07 300 3.4b 51 1-95
JMA VIII 05 18 54 19.2–.40 32.41N 138.52E 344–4 3.4 **¶601765512**
ISCJB VIII 05 18 54 21.9–.39 32.39N–.04 138.46E–.06 300 3.5b
IDC VIII 05 18 54 23.3–.59 32.57N 138.40E 311–7 4.0,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=179.7.
IDC Error ellipse: s-maj=19.7km s-min=9.0km az=72.0.
ISC VIII 06 15 25 42.8–.45 33.51N–.05 139.72E–.06 150 4.1b 96 0-150
NIED VIII 06 15 25 00 33.60N 139.70E 125 4.0W **¶601564305**
ISCJB VIII 06 15 25 41.9–.28 33.48N–.04 139.55E–.05 150 4.0b
JMA VIII 06 15 25 42.2–.10 33.57N 139.70E 139–2 4.1
NEIC VIII 06 15 25 42.7–.59 33.56N 139.59E 138–5 4.4b
IDC VIII 06 15 25 42.1–.29 33.44N 139.62E 139–2 4.1,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ21.00000°,λ86.00000°. NP2:ϕ_s189.00000°,δ69.00000°,λ91.00000°. $M_0$1.23000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=31.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.5km az=188.0.
IDC Error ellipse: s-maj=13.0km s-min=9.0km az=74.0.
JMA VIII 07 12 59 18.7–.30 31.54N 141.38E 85 3.5
¶606008108
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC VIII 08 17 32 11.7–4.5 30.34N 141.63E 0 3.5,3.4b
¶601765665
IDC Error ellipse: s-maj=176.7km s-min=22.4km az=72.0.
ISC VIII 12 04 27 54.9–.95 32.87N–.06 140.12E–.10 152–6 3.6b 23 0-57
ISCJB VIII 12 04 27 54.5–.78 32.94N–.06 140.1E–.10 153–4 3.6b **¶601765770**
JMA VIII 12 04 27 55.8–.10 33.01N 140.10E 147–1 3.0
IDC VIII 12 04 27 55.9–.90 32.70N 139.34E 129–26 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=10.0km az=1.2.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=89.5km s-min=13.2km az=69.0.
ISC VIII 12 09 58 33.4–.57 29.26N–.06 142.01E–.10 30 4.4b,3.2s 55 2-94
IDC VIII 12 09 58 29.1–.99 29.28N 142.07E 0 4.1,4.0 **¶601565842**
ISCJB VIII 12 09 58 32.0–.39 29.27N–.04 141.97E–.08 30 4.2b,3.3s
BJI VIII 12 09 58 32.3 29.02N 141.54E 35 4.8b,4.3b
NEIC VIII 12 09 58 34.3–1.6 29.25N 142.00E 35–11 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=21.7km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.9km az=164.9.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.3km az=90.0.
IDC VIII 17 16 46 34.4–4.9 29.41N 141.16E 0 3.5,3.5
¶601766002
IDC Error ellipse: s-maj=266.8km s-min=26.4km az=81.0.
JMA VIII 18 01 17 23.6–.10 29.75N 141.71E 54 3.9
¶606014563
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
ISC VIII 19 16 07 23.7–.76 31.09N–.08 139.9E–.20 250 3.2b 27 2-79
JMA VIII 19 16 07 20.0–.20 30.99N 139.68E 305 3.6 **¶601766156**
ISCJB VIII 19 16 07 22.6–.49 31.03N–.05 139.7E–.10 250 3.3b
IDC VIII 19 16 07 23.2–1.2 30.97N 139.58E 238–17 3.7,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=4.9km az=163.5.
IDC Error ellipse: s-maj=58.7km s-min=11.7km az=71.0.
ISC VIII 19 18 48 36.2–.82 30.37N–.05 142.0E–.10 23 4.0b 41 3-85
NIED VIII 19 18 48 00 30.40N 141.90E 62 4.0W **¶601766159**
ISCJB VIII 19 18 48 35.0–.56 30.39N–.04 142.0E–.10 23 4.0b,3.6s
IDC VIII 19 18 48 37.1–2.2 30.35N 142.24E 41–17 4.0,3.9
JMA VIII 19 18 48 38.1–.10 30.40N 141.92E 50 4.7,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ48.00000°,λ180.00000°. NP2:ϕ_s340.00000°,δ90.00000°,λ42.00000°. $M_0$1.02000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=4.1km az=165.4.
IDC Error ellipse: s-maj=42.5km s-min=9.5km az=78.0.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC VIII 21 04 53 34.6–3.2 31.97N 140.45E 0 3.8,3.7b
¶601766237
IDC Error ellipse: s-maj=126.7km s-min=19.2km az=74.0.
ISC VIII 21 09 57 42.2–.97 32.96N–.06 139.79E–.08 176–7 3.2b 29 0-53
ISCJB VIII 21 09 57 41.6–.68 33.03N–.06 139.81E–.09 178–4 3.3b **¶601766244**
IDC VIII 21 09 57 42.0–2.0 33.11N 140.09E 170–5 3.6,3.1
JMA VIII 21 09 57 42.7–.20 33.09N 139.78E 173–2 3.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=10.2km az=179.3.
IDC Error ellipse: s-maj=72.6km s-min=17.6km az=67.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
IDC VIII 21 12 20 43.1–2.4 32.25N 141.22E 0 3.6,3.6b
¶601766254
IDC Error ellipse: s-maj=80.6km s-min=17.8km az=61.0.
ISC VIII 22 01 22 04.9–1.4 33.22N–.06 140.97E–.10 48 3.3b 17 1-57
IDC VIII 22 01 21 59.1–1.7 33.05N 141.04E 0 3.5,3.4b **¶601766282**
ISCJB VIII 22 01 22 03.1–.96 33.23N–.05 141.03E–.08 48 3.5b,3.4b
JMA VIII 22 01 22 03.8–.20 33.28N 140.99E 53 3.3,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=19.2km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.8km az=172.3.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VIII 22 05 58 01.7–.40 29.69N–.04 138.86E–.05 447–4 4.5b 423 3-154
NIED VIII 22 05 57 00 29.70N 139.30E 440 4.5W **¶604029717**
BJI VIII 22 05 57 57.9 29.50N 138.90E 433 4.8b,4.5b
JMA VIII 22 05 57 59.0–.30 29.74N 139.28E 484–5 4.4,4.5b
ISCJB VIII 22 05 58 00.2–.22 29.65N–.02 138.75E–.03 439–2 4.4b,4.5b
MOS VIII 22 05 58 00.4–.85 29.68N 138.64E 441 4.5b,4.5b
NEIC VIII 22 05 58 02.4–.27 29.70N 138.69E 452–3 4.4b,4.5b
IDC VIII 22 05 58 02.4–.53 29.71N 138.70E 452–5 4.8,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ11.00000°,λ-145.00000°. NP2:ϕ_s245.00000°,δ84.00000°,λ-81.00000°. $M_0$7.50000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=168.7.
MOS Error ellipse: s-maj=9.2km s-min=4.7km az=113.0.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.6km az=95.0.
IDC Error ellipse: s-maj=8.1km s-min=5.0km az=82.0.
ISC VIII 23 08 18 31.4–1.2 31.23N–.08 140.7E–.10 110 3.6b 19 2-55
ISCJB VIII 23 08 18 29.6–.88 31.24N–.05 140.7E–.10 110 3.7b **¶601766348**
IDC VIII 23 08 18 30.8–5.8 31.18N 140.09E 105–71 3.5,3.4
JMA VIII 23 08 18 31.1–.20 31.29N 140.77E 86 3.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=7.0km az=172.9.
IDC Error ellipse: s-maj=165.3km s-min=22.1km az=107.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VIII 25 16 01 14.8–2.1 30.6N–.20 141.6E–.60 28 3.7b 11 3-75
IDC VIII 25 16 01 10.4–2.6 30.54N 141.60E 0 3.6b,3.6 **¶601766450**
ISCJB VIII 25 16 01 12.3–1.7 30.6N–.20 141.7E–.50 28 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 26 16 06 37.6–.96 29.39N–.08 140.9E–.30 50 3.5b 15 3-75
IDC VIII 26 16 06 31.6–4.4 29.23N 139.57E 0 3.7,3.6 **¶601766506**
JMA VIII 26 16 06 37.5 29.59N 141.82E 66 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=317.3km s-min=32.0km az=82.0.
ISC VIII 28 15 39 26.5–1.0 33.80N–.06 139.16E–.06 206–8 33 1-57
ISCJB VIII 28 15 39 27.2–.65 33.81N–.06 139.10E–.07 201–5 3.5b **¶601755522**
JMA VIII 28 15 39 27.6–.20 33.78N 139.13E 196–2 3.2
IDC VIII 28 15 39 28.1–.78 33.95N 139.70E 204–4 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=8.3km az=41.6.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=35.7km s-min=10.2km az=79.0.
ISC VIII 28 16 40 33.3–3.9 32.0N–.40 138.4E–.30 381 3.2b 10 5-72
IDC VIII 28 16 40 29.7–8.0 31.59N 138.34E 358–37 3.6,3.1b **¶601755524**
ISC Event type ke.
IDC Error ellipse: s-maj=104.1km s-min=45.0km az=158.0.
ISC VIII 30 14 00 47.4–1.9 33.18N–.06 140.9E–.10 44–25 24 1-53
ISCJB VIII 30 14 00 47.8–.94 33.21N–.04 140.7E–.10 64–12 3.6b **¶601755623**
JMA VIII 30 14 00 47.9–.20 33.23N 140.80E 53 3.1
IDC VIII 30 14 00 52.2–1.4 33.02N 139.54E 76–11 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.8km az=4.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=39.0km s-min=17.7km az=78.0.
ISC VIII 30 16 46 16.1–.84 31.86N–.08 138.65E–.09 368 3.2b 29 2-72
JMA VIII 30 16 46 12.9–.30 31.66N 138.52E 367 3.0 **¶601755631**
ISCJB VIII 30 16 46 14.8–.61 31.87N–.07 138.63E–.09 368 3.1b
IDC VIII 30 16 46 16.1–.72 31.82N 138.54E 352–8 3.8,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=8.1km az=28.5.
IDC Error ellipse: s-maj=21.6km s-min=13.3km az=79.0.
ISC IX 03 21 55 39.2–.66 30.56N–.06 139.35E–.10 400 3.6b 40 3-82
ISCJB IX 03 21 55 38.0–.40 30.56N–.04 139.35E–.09 400 3.6b **¶601862884**
JMA IX 03 21 55 38.4–.20 30.57N 139.27E 394 3.5
IDC IX 03 21 55 38.0–.81 30.46N 138.97E 370–13 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.1km az=165.5.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=38.3km s-min=10.3km az=71.0.
ISC IX 07 06 54 34.6–.88 33.62N–.05 139.39E–.06 165–7 3.5b 36 0-77
ISCJB IX 07 06 54 33.6–.53 33.61N–.05 139.43E–.06 169–4 3.7b **¶601863105**
IDC IX 07 06 54 34.4–.57 33.49N 139.21E 161–8 3.8,3.6
JMA IX 07 06 54 35.0–.10 33.64N 139.43E 159–2 3.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.3km az=135.6.
IDC Error ellipse: s-maj=42.5km s-min=10.2km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA IX 11 05 56 37.0–.10 30.16N 141.86E 139 3.6
¶606028277
JMA Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
ISC IX 11 20 32 28.4–1.3 31.15N–.08 142.3E–.20 37 3.7b 18 3-55
IDC IX 11 20 32 26.3–3.8 30.72N 141.20E 0 3.8,3.7b **¶601863376**
ISCJB IX 11 20 32 27.1–.91 31.13N–.07 142.1E–.20 37 3.7b,3.7b
JMA IX 11 20 32 28.7–.20 30.99N 141.83E 49 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=158.4km s-min=21.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=26.0km s-min=6.3km az=162.5.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC IX 12 14 20 06.1–1.0 31.59N–.07 141.8E–.10 77 3.8b 19 2-55
IDC IX 12 14 20 03.6–1.9 31.06N 140.45E 0 3.8,3.7b **¶601863416**
ISCJB IX 12 14 20 04.9–.75 31.55N–.07 141.5E–.20 77 3.7b,3.7b
JMA IX 12 14 20 06.6–.40 31.70N 141.58E 77 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=87.6km s-min=18.9km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=5.3km az=156.5.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC IX 13 23 34 12.2–.60 29.96N–.06 138.5E–.10 443 3.7b 35 3-81
ISCJB IX 13 23 34 11.2–.42 29.91N–.04 138.40E–.10 443 3.5b **¶601863485**
JMA IX 13 23 34 11.0–.20 30.00N 138.92E 487 4.1
IDC IX 13 23 34 13.5–.79 30.06N 138.40E 456–9 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.5km az=2.8.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=9.5km az=96.0.
ISC IX 14 01 23 58.1–.62 30.19N–.06 139.5E–.10 300 3.6b 49 3-82
JMA IX 14 01 23 55.9–.30 30.19N 139.82E 354–4 3.8 **¶601863495**
ISCJB IX 14 01 23 57.1–.39 30.12N–.03 139.40E–.08 300 3.5b
IDC IX 14 01 23 57.9–.78 30.07N 139.28E 301–8 3.9,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.2km az=166.9.
IDC Error ellipse: s-maj=18.5km s-min=8.2km az=77.0.
IDC IX 14 04 20 17.2–3.8 29.82N 137.04E 327–81 3.5,3.1
¶601863502
IDC Error ellipse: s-maj=374.6km s-min=20.7km az=106.0.
IDC IX 17 17 49 25.5–1.1 29.09N 142.39E 0 3.8,3.6b

¶601863718

IDC Error ellipse: s-maj=38.9km s-min=21.7km az=78.0.
ISC IX 18 17 54 22.3–.81 30.58N–.08 137.93E–.08 477 3.4b 43 3-84
ISCJB IX 18 17 54 21.8–.51 30.56N–.05 137.95E–.07 477 3.3b **¶601863770**
JMA IX 18 17 54 22.6–.70 30.48N 138.19E 476 3.7
IDC IX 18 17 54 23.0–.74 30.57N 137.79E 492–10 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.8km az=22.5.
JMA Error ellipse: s-maj=8.9km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=12.0km az=83.0.
ISC IX 19 02 54 23.6–.50 30.11N–.06 138.78E–.08 421 3.8b 62 3-152
NIED IX 19 02 54 00 30.10N 139.00E 440 4.3W **¶601725191**
JMA IX 19 02 54 22.7–.20 30.12N 139.01E 473 4.2
IDC IX 19 02 54 25.5–.98 30.13N 138.65E 445–10 4.4,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ49.00000°,λ2.00000°. NP2:ϕ_s111.00000°,δ89.00000°,λ139.00000°. $M_0$3.24000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=12.9km s-min=8.4km az=82.0.
ISC IX 21 14 31 01.2–.64 29.78N–.05 142.2E–.10 26 4.2b,3.4s 60 3-149
NIED IX 21 14 30 00 29.90N 142.60E 5 4.3W,3.4s **¶601863924**
IDC IX 21 14 30 57.3–.75 29.63N 142.02E 0 4.2,4.1
ISCJB IX 21 14 30 59.3–.46 29.80N–.03 142.1E–.10 26 4.1b,3.4s
JMA IX 21 14 30 59.5–.10 29.88N 142.56E 53 4.2,3.4s
NEIC IX 21 14 31 02.0–1.8 29.65N 141.95E 30–13 4.1b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ15.00000°,λ66.00000°. NP2:ϕ_s9.00000°,δ77.00000°,λ96.00000°. $M_0$2.74000×10^{15}
IDC Error ellipse: s-maj=23.6km s-min=16.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=3.7km az=171.1.
JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.5km az=77.0.
ISC IX 23 15 18 57.4–.98 31.57N–.07 138.7E–.10 381 3.1b 29 2-55
IDC IX 23 15 18 56.9–1.6 31.40N 138.10E 359–35 3.8,3.1 **¶601864042**
ISCJB IX 23 15 18 57.2–.55 31.54N–.05 138.7E–.10 381 2.9b,3.1
JMA IX 23 15 18 57.0–.50 31.61N 138.62E 399 3.3,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=91.6km s-min=32.6km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.1km az=179.6.
JMA Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0.
ISC IX 24 19 48 14.8–1.4 29.9N–.10 142.7E–.20 35 3.8b 18 3-84
IDC IX 24 19 48 14.6–2.0 29.36N 140.93E 0 3.6,3.6 **¶601864113**
JMA IX 24 19 48 17.1–.60 30.12N 142.68E 74 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=87.9km s-min=18.8km az=68.0.
JMA Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
ISC IX 24 22 21 04.6–1.8 33.81N–.05 140.9E–.10 42–19 22 1-54
IDC IX 24 22 21 03.8–3.1 33.22N 139.42E 0 3.8,3.6b **¶601864120**
ISCJB IX 24 22 21 04.4–.99 33.83N–.04 140.86E–.09 57–11 3.6b,3.6b
JMA IX 24 22 21 04.7–.10 33.87N 140.84E 41 3.3,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=120.6km s-min=26.8km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.9km az=3.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 26 09 31 57.1–.85 30.49N–.09 141.5E–.10 28 3.7b,3.2s 34 3-94
NIED IX 26 09 31 00 31.00N 141.60E 26 3.8W,3.2s **¶601864198**
ISCJB IX 26 09 31 55.2–.59 30.49N–.06 141.4E–.10 28 3.7b,3.2s
JMA IX 26 09 31 58.1–.30 30.97N 141.65E 0 4.5,3.2s
IDC IX 26 09 31 58.8–2.8 30.42N 141.14E 44–23 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ25.00000°,λ-30.00000°. NP2:ϕ_s254.00000°,δ78.00000°,λ-112.00000°. $M_0$5.07000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=5.8km az=159.7.
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=17.5km az=85.0.
ISC IX 27 11 30 26.2–.89 30.1N–.10 138.7E–.20 443 3.3b 11 6-74
ISCJB IX 27 11 30 24.7–.71 30.1N–.10 138.7E–.20 443 3.4b **¶601864277**
IDC IX 27 11 30 26.1–2.0 30.11N 138.79E 440–25 3.8,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=13.1km az=165.2.
IDC Error ellipse: s-maj=23.8km s-min=13.8km az=73.0.
IDC IX 30 06 15 32.0–3.5 29.94N 137.45E 391–69 3.6,3.0
¶601857524
IDC Error ellipse: s-maj=227.5km s-min=21.6km az=81.0.
ISC IX 30 19 22 01.0–.85 31.58N–.08 142.26E–.09 49 3.7b 24 2-148
IDC IX 30 19 21 54.2–.83 31.31N 142.30E 0 4.0,3.7 **¶601857544**
ISCJB IX 30 19 21 59.0–.73 31.55N–.07 142.21E–.09 49 3.7b,3.7
JMA IX 30 19 21 59.6–.40 31.65N 142.32E 74 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=20.9km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.8km az=141.5.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC X 01 10 11 01.6–1.2 29.94N 139.61E 394–22 3.8,3.1
¶601996382
IDC Error ellipse: s-maj=74.2km s-min=17.1km az=72.0.
ISC X 02 09 04 29.3–.54 31.20N–.06 142.64E–.08 30 4.1b 72 3-154
NIED X 02 09 04 00 31.50N 142.80E 5 4.2W **¶601874828**
IDC X 02 09 04 25.0–.57 31.21N 142.82E 0 4.1,4.0
NEIC X 02 09 04 26.5–.22 31.20N 142.78E 10 4.6b,4.0
ISCJB X 02 09 04 27.8–.35 31.27N–.04 142.63E–.06 30 4.1b,3.5s
JMA X 02 09 04 30.1–.20 31.53N 142.76E 55 4.2,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ22.00000°,λ-78.00000°. NP2:ϕ_s141.00000°,δ69.00000°,λ-95.00000°. $M_0$2.17000×10^{15}
IDC Error ellipse: s-maj=18.4km s-min=15.0km az=79.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=143.8.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
JMA X 05 03 19 52.9–.30 32.18N 138.02E 393 3.5
¶606040097
JMA Error ellipse: s-maj=4.4km s-min=1.9km az=-1.0.
ISC X 06 05 27 42.1–.49 31.42N–.04 140.26E–.05 140–4 4.5b 363 1-150
NIED X 06 05 27 00 31.50N 140.60E 122 4.5W **¶601792491**
BJI X 06 05 27 40.0 31.29N 140.37E 153 4.8b,4.7b
IDC X 06 05 27 41.8–.63 31.43N 140.21E 138–5 4.5,4.3
JMA X 06 05 27 41.3–.30 31.48N 140.60E 143–3 4.6,4.3
MOS X 06 05 27 41.6–1.0 31.37N 140.17E 150 4.5b,4.3
ISCJB X 06 05 27 41.1–.37 31.38N–.03 140.18E–.03 143–3 4.4b,4.3
NEIC X 06 05 27 42.7–.47 31.40N 140.20E 143–4 4.6b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ15.00000°,λ106.00000°. NP2:ϕ_s319.00000°,δ75.00000°,λ86.00000°. $M_0$6.22000×10^{15}
IDC Error ellipse: s-maj=11.6km s-min=7.4km az=80.0.
JMA Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=5.4km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.7km az=135.4.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.8km az=125.0.
IDC X 06 07 37 40.0–1.1 30.43N 140.81E 0 3.8,3.7
¶601997251
IDC Error ellipse: s-maj=40.1km s-min=16.3km az=73.0.
ISC X 07 17 05 48.4–.58 32.81N–.07 137.11E–.06 400 3.3b 47 2-152
JMA X 07 17 05 46.1–.40 32.73N 137.13E 431–4 3.7 **¶601874134**
ISCJB X 07 17 05 48.0–.39 32.79N–.05 137.09E–.06 400 3.2b
IDC X 07 17 05 49.0–.97 32.96N 136.91E 400–10 3.8,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.6km az=38.3.
IDC Error ellipse: s-maj=16.8km s-min=11.0km az=105.0.
ISC X 08 04 59 58.0–.73 33.08N–.05 139.39E–.07 190–6 3.5b 45 0-85
NIED X 08 04 59 00 33.20N 139.40E 185 3.9W **¶601997454**
ISCJB X 08 04 59 57.6–.46 33.16N–.05 139.38E–.07 195–3 3.5b
JMA X 08 04 59 58.6–.30 33.22N 139.41E 191–3 3.6
IDC X 08 04 59 58.3–.47 33.10N 139.20E 183–7 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ34.00000°,λ-159.00000°. NP2:ϕ_s36.00000°,δ79.00000°,λ-58.00000°. $M_0$6.99000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.4km az=154.5.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=35.7km s-min=10.1km az=71.0.
ISC X 08 10 58 05.2–.47 30.56N–.05 141.75E–.09 23 4.3b,3.4s 72 3-149
NIED X 08 10 58 00 30.70N 142.00E 5 4.4W,3.4s **¶601997497**
IDC X 08 10 58 02.4–.63 30.58N 141.66E 0 4.2,4.0
ISCJB X 08 10 58 03.9–.34 30.63N–.03 141.71E–.09 23 4.3b,3.4s
NEIC X 08 10 58 03.9–2.1 30.58N 141.77E 11–13 4.6b,3.4s
JMA X 08 10 58 05.3–.10 30.67N 142.01E 124 3.5,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ10.00000°,λ109.00000°. NP2:ϕ_s352.00000°,δ80.00000°,λ87.00000°. $M_0$4.16000×10^{15}
IDC Error ellipse: s-maj=24.0km s-min=14.7km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=3.9km az=166.6.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=78.0.
JMA Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
ISC X 09 14 19 27.2–.81 32.16N–.07 138.18E–.09 380 2.9b 26 3-72
ISCJB X 09 14 19 26.4–.48 32.13N–.05 138.11E–.08 380 2.9b **¶601997665**
JMA X 09 14 19 26.6–.40 32.09N 138.15E 378 3.1
IDC X 09 14 19 28.1–1.7 32.25N 138.04E 376–18 3.5,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.5km az=167.1.
JMA Error ellipse: s-maj=6.7km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=14.3km az=74.0.
ISC X 14 22 57 35.5–.96 32.7N–.10 138.04E–.09 350 3.2b 21 1-80
JMA X 14 22 57 28.2–.40 32.31N 138.23E 394 2.8 **¶601998270**
ISCJB X 14 22 57 34.5–.77 32.7N–.10 138.0E–.10 350 3.2b
IDC X 14 22 57 35.6–.96 32.63N 138.06E 351–20 3.7,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=12.4km az=0.3.
IDC Error ellipse: s-maj=56.4km s-min=17.0km az=70.0.
ISC X 16 02 03 27.8–.28 31.34N–.03 140.33E–.03 97–2 5.3b 1399 1-164
NIED X 16 02 03 00 31.50N 140.60E 68 4.9W **¶601837389**
MOS X 16 02 03 26.6–1.0 31.38N 140.16E 93 5.2b
BJI X 16 02 03 27.3 31.30N 140.30E 93 4.9b,4.9b
GCMT X 16 02 03 27.8–.20 31.24N–.02 140.41E–.02 99–2 5.0W,4.9b
IDC X 16 02 03 27.2–.40 31.26N 140.18E 89–3 5.1,4.9
ISCJB X 16 02 03 27.2–.31 31.28N–.02 140.26E–.02 99–2 5.2b,4.9
JMA X 16 02 03 28.5–.20 31.49N 140.61E 87–3 5.0,4.9
NEIC X 16 02 03 28.8–.41 31.28N 140.22E 101–3 5.4b,4.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s331.00000°,δ28.00000°,λ-102.00000°. NP2:ϕ_s165.00000°,δ63.00000°,λ-84.00000°. $M_0$2.55000×10^{16}
MOS Error ellipse: s-maj=6.6km s-min=3.9km az=101.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c67; s96,c146;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.14 $M_{\theta\theta}$0.97±.14; $M_{\phi\phi}$1.12±.16; $M_{r\theta}$-0.25±.08; $M_{\theta\phi}$0.95±.15; $M_{\phi r}$3.56±.08; Best double couple: NP1:ϕ_s185.00000°,δ77.00000°,λ-105.00000°. NP2:ϕ_s54.00000°,δ20.00000°,λ-42.00000°. Principal axes: T 3.5920,Plg30.0000° ,Azm287.0000°; N 0.8970,Plg14.0000°,Azm188.0000°; P -4.4880,Plg56.0000°,Azm76.0000° $M_0$4.04000×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=5.5km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=155.5.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=128.0. Felt at Tokyo, Honshu.
ISC X 16 11 19 57.7–.81 31.76N–.07 139.5E–.10 250 3.3b 31 1-81
ISCJB X 16 11 19 56.9–.61 31.73N–.05 139.5E–.10 250 3.4b **¶601998505**
IDC X 16 11 19 56.6–1.4 31.49N 139.03E 224–27 4.0,3.5
JMA X 16 11 19 58.4–.40 31.76N 139.40E 244 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.2km az=2.8.
IDC Error ellipse: s-maj=71.7km s-min=12.3km az=70.0.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISC X 16 12 31 05.8–.37 32.92N–.04 141.56E–.04 38–1 4.9b 606 1-153
IDC X 16 12 30 58.8–.47 32.88N 141.58E 0 4.8,4.7 **¶601836656**
NIED X 16 12 31 00 33.00N 141.70E 5 4.8W,4.7
BJI X 16 12 31 01.7 32.92N 141.71E 40 5.0b,4.8b
JMA X 16 12 31 02.8–.50 33.00N 141.66E 58 4.6,4.8b
GCMT X 16 12 31 02.5–.50 32.72N–.04 141.70E–.03 19–1 5.0W,4.8b
MOS X 16 12 31 03.7–.99 32.89N 141.40E 37 5.2b,4.8b
ISCJB X 16 12 31 03.6–.96 32.88N–.02 141.39E–.02 33–6 4.8b,4.0s
NEIC X 16 12 31 06.5–.60 32.91N 141.38E 45–5 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=11.8km az=57.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ24.00000°,λ64.00000°. NP2:ϕ_s7.00000°,δ69.00000°,λ101.00000°. $M_0$1.89000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c36; s44,c73;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.23 $M_{\theta\theta}$0.04±.16; $M_{\phi\phi}$-3.33±.16; $M_{r\theta}$0.20±.39; $M_{\theta\phi}$0.12±.12; $M_{\phi r}$0.26±.30; Best double couple: NP1:ϕ_s2.00000°,δ47.00000°,λ95.00000°. NP2:ϕ_s174.00000°,δ43.00000°,λ85.00000°. Principal axes: T 3.3130,Plg86.0000° ,Azm327.0000°; N 0.0270,Plg4.0000°,Azm178.0000°; P -3.3440,Plg2.0000°,Azm88.0000° $M_0$3.32900×10^{16}
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=117.4.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=177.8.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=142.0.
ISC X 19 17 19 19.2–.53 32.77N–.04 141.89E–.04 29–3 4.7b,4.6s 325 2-149
NIED X 19 17 19 00 32.90N 141.90E 5 4.8W,4.6s **¶601839092**
IDC X 19 17 19 14.6–.57 32.68N 141.78E 0 4.4,4.3
BJI X 19 17 19 15.8 32.59N 142.15E 42 4.9b,4.7s
JMA X 19 17 19 15.8–.30 32.87N 141.92E 16 4.4,4.7s
ISCJB X 19 17 19 16.5–.84 32.70N–.02 141.74E–.03 21–5 4.6b,4.5s
MOS X 19 17 19 17.6–.95 32.72N 141.73E 30 4.8b,4.3s
NEIC X 19 17 19 18.3–1.6 32.68N 141.76E 23–11 4.9b,4.3s
GCMT X 19 17 19 21.3–.40 32.66N–.03 141.84E–.02 16–1 4.9W,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ39.00000°,λ78.00000°. NP2:ϕ_s186.00000°,δ52.00000°,λ100.00000°. $M_0$1.59000×10^{16}
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s82,c123;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.17 $M_{\theta\theta}$-0.04±.09; $M_{\phi\phi}$-2.43±.12; $M_{r\theta}$0.71±.31; $M_{\theta\phi}$-0.16±.06; $M_{\phi r}$0.43±.24; Best double couple: NP1:ϕ_s18.00000°,δ52.00000°,λ108.00000°. NP2:ϕ_s170.00000°,δ41.00000°,λ69.00000°. Principal axes: T 2.6760,Plg75.0000° ,Azm343.0000°; N -0.1960,Plg14.0000°,Azm187.0000°; P -2.4890,Plg6.0000°,Azm95.0000° $M_0$2.58300×10^{16}
ISC X 20 18 00 35.8–2.3 31.71N–.06 141.2E–.10 28–17 3.6b 41 1-94
ISCJB X 20 18 00 35.7–.67 31.67N–.04 141.1E–.10 44–8 3.6b,3.4s **¶601999071**
JMA X 20 18 00 37.9–.10 31.96N 141.21E 23 4.0,3.4s
IDC X 20 18 00 37.8–2.1 31.64N 141.06E 44–20 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=4.7km az=158.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=14.0km az=76.0.
IDC X 20 19 20 47.5–4.4 29.52N 141.74E 0 3.6,3.3L
¶601999076
IDC Error ellipse: s-maj=166.5km s-min=29.3km az=74.0.
ISC X 20 23 01 53.2–.64 29.47N–.05 142.4E–.10 24 4.3b 60 2-85
NIED X 20 23 01 00 29.60N 142.50E 11 4.2W **¶601861545**
IDC X 20 23 01 50.1–.90 29.42N 142.20E 0 4.3,4.2
ISCJB X 20 23 01 51.4–.48 29.50N–.03 142.3E–.10 24 4.5b,4.2
JMA X 20 23 01 51.9–.20 29.59N 142.52E 37 4.5,4.2
NEIC X 20 23 01 52.1–3.4 29.38N 142.30E 15–21 4.2b,4.2

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ13.00000°,λ55.00000°. NP2:ϕ_s54.00000°,δ80.00000°,λ97.00000°. $M_0$2.52000×10^{15}
IDC Error ellipse: s-maj=28.9km s-min=15.1km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=4.1km az=175.4.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.7km az=85.0.

ISC	**X**	**21 20 10 43.1–1.2**	**31.75N–.08**	**140.5E–.20**	**73**		**13**	**1-55**	
ISCJB	X	21 20 10 41.4–.74	31.71N–.07	140.5E–.20	73	3.3b			¶601999205
JMA	X	21 20 10 44.2–.20	32.00N	140.74E	17	3.1			
IDC	X	21 20 10 45.0–4.6	31.80N	140.02E	87–94	3.1,3.0			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.8km s-min=5.6km az=160.7.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=202.4km s-min=77.5km az=70.0.

ISC	**X**	**21 20 28 58.1–.89**	**30.54N–.08**	**138.1E–.10**	**450**	**3.0b**	**16**	**3-54**	
ISCJB	X	21 20 28 57.3–.62	30.46N–.06	137.9E–.10	450	2.9b			¶601999207
IDC	X	21 20 28 58.9–1.0	30.32N	137.88E	453–34	3.6,2.8			
JMA	X	21 20 29 01.3–.70	30.75N	138.44E	453	3.1,2.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=8.2km az=169.5.
IDC Error ellipse: s-maj=60.6km s-min=15.4km az=59.0.
JMA Error ellipse: s-maj=8.9km s-min=4.8km az=-1.0.

ISC	**X**	**21 20 46 06.9–.48**	**30.97N–.05**	**143.08E–.08**	**30**	**4.3b**	**88**	**3-151**	
NIED	X	21 20 46 00	31.00N	143.30E	11	4.1W			¶602006274
JMA	X	21 20 46 02.6–.30	30.97N	143.32E	52	4.6			
IDC	X	21 20 46 03.1–.55	30.95N	143.03E	0	4.4,4.3			
NEIC	X	21 20 46 04.3–.45	30.95N	143.06E	10	4.3b,4.3			
MOS	X	21 20 46 06.6–1.2	30.99N	143.00E	33	4.5b,4.3			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ36.00000°,λ-48.00000°. NP2:ϕ_s197.00000°,δ64.00000°,λ-116.00000°. $M_0$1.67000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=14.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.1km az=69.0.
MOS Error ellipse: s-maj=18.0km s-min=7.3km az=121.3.

ISC	**X**	**22 15 25 04.8–1.1**	**30.84N–.07**	**140.3E–.10**	**200**		**23**	**2-95**	
NIED	X	22 15 25 00	30.80N	140.30E	260	4.2W			¶601999286
ISCJB	X	22 15 25 04.2–.62	30.85N–.05	140.4E–.10	200	3.9b			
JMA	X	22 15 25 04.0–.30	30.83N	140.32E	215–5	4.3			
IDC	X	22 15 25 11.1–4.4	31.39N	140.02E	200–20	4.0,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ42.00000°,λ12.00000°. NP2:ϕ_s309.00000°,δ82.00000°,λ131.00000°. $M_0$2.15000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=6.2km az=165.4.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=74.6km s-min=44.8km az=45.0.

ISC	**X**	**23 08 53 38.8–.24**	**29.07N–.02**	**139.28E–.03**	**446–2**	**5.8b**	**2169**	**3-172**	
NIED	X	23 08 53 00	29.00N	139.70E	460	5.8W			¶601842550
JMA	X	23 08 53 36.1–.20	28.98N	139.68E	468–3	5.9			
MOS	X	23 08 53 37.2–.69	29.04N	139.27E	438	5.7b			
ISCJB	X	23 08 53 38.6–.19	29.04N–.01	139.27E–.01	451–1	5.7b			
BJI	X	23 08 53 38.0	29.03N	139.21E	444	6.1b,5.9b			
NEIC	X	23 08 53 38.0–.00	29.16N	139.38E	460	6.1b,5.9b			
NEIC	X	23 08 53 38.2–.06	29.06N	139.25E	436	6.0W,6.0b			
IDC	X	23 08 53 39.0–.45	29.06N	139.29E	443–4	6.0,5.3			
GCMT	X	23 08 53 40.2–.10	29.07N–.01	139.19E–.01	443–0	5.9W,5.3			
NEIC	X	23 08 53 51.5–.00	29.00N	139.45E	441	5.9W,5.3			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ39.00000°,λ-164.00000°. NP2:ϕ_s322.00000°,δ80.00000°,λ-52.00000°. $M_0$5.65000×10^{17}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=106.7.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=159.8.
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$3.76 $M_{\phi\phi}$-2.83 $M_{r\theta}$2.68 $M_{\theta\phi}$-2.61 $M_{\phi r}$-6.57 Best double couple: NP1:ϕ_s333.00000° ,δ86.00000°,λ-59.00000°. NP2:ϕ_s69.00000°,δ31.00000°,λ-173.00000°. Principal axes: T 8.0200,Plg34.0000°,Azm37.0000°; N 0.5000,Plg30.0000°,Azm150.0000° ; P -8.5200,Plg40.0000°,Azm271.0000° $M_0$8.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=139.0. Recorded [2 JMA] in the Chichijima-retto and Hahajima-retto. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1: ϕ_s336.00000°,δ87.00000°,λ-66.00000°. NP2:ϕ_s72.00000°,δ24.00000°,λ-173.00000°. Principal axes: T 1.0700,Plg38.0000°,Azm44.0000°; N -0.0500,Plg24.0000°,Azm154.0000° ; P -1.0200,Plg43.0000°,Azm269.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s74.00000°,δ30.00000°,λ-170.00000°. NP2: ϕ_s335.00000°,δ85.00000°,λ-60.00000°. Principal axes: T Plg33.0000°,Azm40.0000° ; N Plg0.0000°,Azm0.0000°; P Plg42.0000°,Azm274.0000°
IDC Error ellipse: s-maj=7.2km s-min=4.7km az=88.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s134,c277; s98,c118;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$-0.33±.01; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$-0.78±.01; Best double couple: NP1:ϕ_s332.00000°,δ86.00000°,λ-60.00000°. NP2:ϕ_s68.00000°,δ30.00000°,λ-172.00000°. Principal axes: T 0.9730,Plg34.0000° ,Azm36.0000°; N 0.0470,Plg30.0000°,Azm149.0000°; P -1.0200,Plg41.0000°,Azm269.0000° $M_0$0.99700×10^{18}
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-3.21 $M_{r\theta}$3.66 $M_{\theta\phi}$-2.83 $M_{\phi r}$-6.94 Best double couple: NP1:ϕ_s330.00000° ,δ86.00000°,λ-59.00000°. NP2:ϕ_s67.00000°,δ31.00000°,λ-172.00000°. Principal axes: T 9.2300,Plg34.0000°,Azm34.0000°; N -0.0200,Plg31.0000°,Azm147.0000° ; P -9.2100,Plg41.0000°,Azm268.0000° $M_0$9.20000×10^{17}

ISC	**X**	**25 13 23 19.0–.72**	**32.80N–.07**	**141.73E–.07**	**41**	**4.0b**	**48**	**2-148**	
NIED	X	25 13 23 00	32.80N	142.00E	5	3.8W			¶601999615
IDC	X	25 13 23 12.9–.69	32.58N	141.67E	0	4.1,4.0			
JMA	X	25 13 23 13.7–.20	32.76N	141.96E	93	3.6,4.0			
NEIC	X	25 13 23 14.4–.36	32.58N	141.67E	10	4.0b,4.0			
ISCJB	X	25 13 23 16.1–.55	32.79N–.04	141.84E–.06	41	3.9b,3.1s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ45.00000°,λ73.00000°. NP2:ϕ_s11.00000°,δ48.00000°,λ106.00000°. $M_0$6.06000×10^{14}
NEIC Event type se.
ISCJB Event type se.

ISC	**X**	**26 02 09 21.7–.80**	**30.08N–.07**	**139.4E–.10**	**388**	**3.3b**	**16**	**4-80**	
ISCJB	X	26 02 09 21.1–.65	30.05N–.05	139.3E–.10	388	3.3b			¶601999680
JMA	X	26 02 09 23.1–.20	30.12N	139.62E	382	3.5			
IDC	X	26 02 09 25.1–4.8	30.03N	139.17E	416–49	3.8,3.0			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=6.7km az=168.7.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=79.6km s-min=18.3km az=74.0.

ISC	**X**	**27 10 41 16.8–1.2**	**29.5N–.10**	**139.5E–.30**	**414**	**3.1b**	**7**	**7-71**	
ISCJB	X	27 10 41 15.2–1.0	29.4N–.10	139.4E–.30	414	3.0b			¶601999824
IDC	X	27 10 41 15.4–2.7	29.36N	139.42E	392–32	3.6,2.9			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.8km s-min=15.4km az=172.1.
IDC Error ellipse: s-maj=33.0km s-min=15.6km az=85.0.

IDC	**X**	**27 14 23 00.7–1.4**	**29.23N**	**140.76E**	**0**	**3.6,3.4**			
									¶601999835

IDC Error ellipse: s-maj=52.2km s-min=29.7km az=83.0.

IDC	**X**	**29 14 27 13.4–3.4**	**29.78N**	**141.11E**	**0**	**3.5,3.3**			
									¶602000292

IDC Error ellipse: s-maj=138.3km s-min=22.5km az=74.0.

ISC	**X**	**29 17 53 13.6–1.8**	**32.95N–.05**	**140.22E–.09**	**9–11**		**22**	**0-57**	
IDC	X	29 17 53 13.2–1.3	32.66N	139.84E	0	3.7L,3.6			¶602000330
ISCJB	X	29 17 53 15.1–1.4	32.93N–.04	140.2E–.10	24–9	3.5s,3.2b			
JMA	X	29 17 53 16.2–.20	32.94N	140.05E	30	3.0,3.2b			

ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=8.6km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=6.8km az=174.1.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.

ISC	**X**	**30 08 05 09.0–1.3**	**32.38N–.09**	**141.9E–.10**	**39**		**13**	**2-78**	
IDC	X	30 08 05 03.8–1.5	32.17N	141.86E	0	4.1,3.9b			¶602000452
JMA	X	30 08 05 07.6–.40	32.37N	141.88E	78	3.4,3.9b			
ISCJB	X	30 08 05 08.8–1.4	32.53N–.08	142.0E–.10	39	3.8b,3.9b			

ISC Event type ke.
ISCJB Event type ke.

JMA	**X**	**31 01 46 12.6–.10**	**30.62N**	**139.38E**	**432**	**3.5**			
									¶606054024

JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.

ISC	**X**	**31 11 37 25.4–.81**	**30.30N–.06**	**141.6E–.10**	**28**	**3.4b**	**27**	**3-94**	
ISCJB	X	31 11 37 23.8–.46	30.27N–.05	141.4E–.20	28	3.4b,2.8s			¶602000615
JMA	X	31 11 37 25.3–.10	30.31N	141.63E	50	4.1,2.8s			
IDC	X	31 11 37 27.3–1.7	30.12N	141.01E	46–18	3.5,3.5			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=3.8km az=164.5.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=42.3km s-min=13.3km az=80.0.

ISC	**XI**	**02 19 50 41.4–.57**	**32.58N–.06**	**137.80E–.06**	**376**	**3.6b**	**66**	**1-95**	
JMA	XI	02 19 50 39.9–.20	32.60N	137.75E	390	3.5			¶602388734
ISCJB	XI	02 19 50 40.7–.38	32.60N–.05	137.71E–.05	376	3.4b			
IDC	XI	02 19 50 41.5–.59	32.58N	137.60E	365–6	3.9,3.3			

ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=142.5.
IDC Error ellipse: s-maj=12.3km s-min=10.1km az=71.0.

ISC	**XI**	**06 13 54 34.9–.50**	**32.73N–.05**	**141.85E–.06**	**39**	**4.4b,3.9s**	**119**	**2-148**	
NIED	XI	06 13 54 00	32.80N	141.90E	5	4.2W,3.9s			¶601879546
IDC	XI	06 13 54 29.6–.57	32.72N	141.83E	0	4.2,4.1			
NEIC	XI	06 13 54 30.0–2.5	32.69N	141.82E	3–15	4.6b,4.1			
BJI	XI	06 13 54 31.9	32.59N	141.91E	36	4.9b,4.5b			
ISCJB	XI	06 13 54 34.0–.27	32.75N–.03	141.73E–.04	39	4.4b,3.8s			
JMA	XI	06 13 54 33.5–.30	32.84N	141.85E	58	4.0,3.8s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ36.00000°,λ100.00000°. NP2:ϕ_s169.00000°,δ55.00000°,λ83.00000°. $M_0$1.97000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=13.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.4km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=42.0.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.

ISC	**XI**	**09 08 32 06.2–1.6**	**33.18N–.05**	**140.95E–.06**	**14–10**	**3.6b**	**34**	**1-57**	
NIED	XI	09 08 32 00	33.20N	140.80E	20	3.6W			¶602389084
IDC	XI	09 08 32 08.2–1.0	32.59N	139.21E	0	3.6,3.5			
JMA	XI	09 08 32 10.1–.10	33.20N	140.80E	59–4	3.7,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ74.00000°,λ174.00000°. NP2:ϕ_s219.00000°,δ84.00000°,λ16.00000°. $M_0$3.20000×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=14.5km az=119.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC	**XI**	**10 15 22 21.8–.75**	**29.71N–.06**	**142.1E–.20**	**30**	**3.8b**	**16**	**3-94**	
IDC	XI	10 15 22 17.6–.85	29.67N	142.05E	0	3.9,3.8			¶602389162
ISCJB	XI	10 15 22 19.8–.64	29.74N–.05	142.1E–.20	30	3.8b,3.8			

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**10 22 32 58.8–.65**	**29.66N–.06**	**142.1E–.20**	**30**	**4.2b**	**29**	**3-84**	
IDC	XI	10 22 32 54.5–.86	29.66N	142.11E	0	4.0,3.8			¶601991672
ISCJB	XI	10 22 32 57.0–.45	29.71N–.04	142.1E–.10	30	4.2b,3.1s			
NEIC	XI	10 22 32 59.6–.30	29.67N	142.05E	35	4.4b,3.1s			

ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=15.5km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=5.2km az=170.8.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=80.0.

JMA	**XI**	**11 02 16 00.5–.10**	**29.99N**	**139.88E**	**311**	**3.5**			
									¶606058886

JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.

ISC	**XI**	**11 21 13 16.4–1.0**	**33.66N–.05**	**140.05E–.08**	**101–7**	**3.7b**	**25**	**0-54**	
IDC	XI	11 21 13 09.7–1.9	33.05N	138.26E	0	3.7,3.6b			¶602389240
ISCJB	XI	11 21 13 15.4–.70	33.66N–.04	140.06E–.10	108–5	3.6b,3.6b			
JMA	XI	11 21 13 17.2–.10	33.74N	140.08E	92–2	3.2,3.6b			

ISC Event type ke.
IDC Error ellipse: s-maj=59.4km s-min=23.5km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.7km az=172.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XI**	**12 11 15 09.0–.23**	**29.71N–.02**	**138.02E–.03**	**502–2**	**5.1b**	**1672**	**4-166**	
NIED	XI	12 11 15 00	29.70N	138.50E	500	5.7W			¶601885152
JMA	XI	12 11 15 07.1–.20	29.68N	138.50E	521–4	5.9			
ISCJB	XI	12 11 15 08.6–.15	29.67N–.01	138.02E–.02	504–1	5.1b			
MOS	XI	12 11 15 08.2–.82	29.71N	137.98E	501	5.3b,4.5s			
IDC	XI	12 11 15 09.5–.33	29.73N	138.03E	506–3	5.7,4.8			
NEIC	XI	12 11 15 09.3–.22	29.69N	137.99E	502–2	5.0b,4.8			
BJI	XI	12 11 15 09.2	29.77N	137.92E	506	5.5b,5.3b			
GCMT	XI	12 11 15 11.3–.20	29.79N–.01	137.91E–.02	506–1	5.7W,5.3b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ42.00000°,λ-44.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ-123.00000°. $M_0$4.01000×10^{17}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s113,c204;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.40±.06 $M_{\theta\theta}$1.10±.10; $M_{\phi\phi}$2.30±.10; $M_{r\theta}$0.61±.10; $M_{\theta\phi}$2.66±.09; $M_{\phi r}$-3.18±.10; Best double couple: NP1:ϕ_s11.00000° ,δ66.00000°,λ-120.00000°. NP2:ϕ_s245.00000°,δ38.00000°,λ-42.00000°. Principal axes: T 5.0230,Plg16.0000°,Azm122.0000°; N 0.2570,Plg27.0000°,Azm24.0000° ; P -5.2800,Plg58.0000°,Azm239.0000° $M_0$5.15200×10^{17}

ISC	**XI**	**15 07 31 31.8–1.3**	**33.66N–.04**	**140.70E–.07**	**27–10**	**3.9b**	**43**	**1-77**	
NIED	XI	15 07 31 00	33.70N	140.60E	62	3.8W			¶602058472
NEIC	XI	15 07 31 29.0–.35	33.52N	140.86E	10	4.3b			
JMA	XI	15 07 31 32.8–.10	33.73N	140.63E	45	4.0			
IDC	XI	15 07 31 33.4–3.8	33.53N	140.77E	38–33	3.9L,3.8			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ21.00000°,λ94.00000°. NP2:ϕ_s347.00000°,δ69.00000°,λ88.00000°. $M_0$6.38000×10^{14}
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.6km az=72.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=17.5km az=101.0.

ISC	**XI**	**15 11 16 59.2–1.0**	**30.2N–.10**	**139.0E–.20**	**450**	**3.1b**	**9**	**3-74**	
ISCJB	XI	15 11 16 57.9–.84	30.21N–.09	138.8E–.20	450	3.2b			¶602389448
IDC	XI	15 11 16 58.6–1.0	30.18N	138.70E	432–12	3.8,3.1			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=10.4km az=166.8.
IDC Error ellipse: s-maj=36.2km s-min=12.2km az=85.0.

ISC	**XI**	**15 12 08 54.4–1.8**	**33.70N–.04**	**140.6E–.10**	**52–19**		**19**	**1-57**	
ISCJB	XI	15 12 08 54.2–1.1	33.69N–.04	140.5E–.20	70–11	3.5b			¶602389451
JMA	XI	15 12 08 54.6–.10	33.77N	140.55E	36	2.6			
IDC	XI	15 12 08 55.5–3.0	33.60N	140.52E	58–24	3.3,3.2			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=6.5km az=172.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=48.1km s-min=11.2km az=83.0.

IDC	**XI**	**17 17 27 27.6–4.8**	**29.44N**	**141.08E**	**0**	**3.5,3.3b**			
									¶602389574

IDC Error ellipse: s-maj=294.0km s-min=33.6km az=81.0.

ISC	**XI**	**18 21 37 33.1–1.2**	**29.61N–.05**	**141.4E–.10**	**35–5**	**4.3b**	**89**	**3-152**	
NIED	XI	18 21 37 00	29.80N	141.90E	56	4.3W			¶601992780
IDC	XI	18 21 37 27.9–.53	29.59N	141.33E	0	4.2,4.0			
JMA	XI	18 21 37 28.7–.10	29.78N	141.92E	12	4.6,4.0			
ISCJB	XI	18 21 37 30.4–1.6	29.58N–.03	141.25E–.08	23–11	4.2b,4.0			
NEIC	XI	18 21 37 33.6–.92	29.53N	141.29E	38–8	4.6b,4.0			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s129.00000°,δ59.00000°,λ147.00000°. NP2:ϕ_s237.00000°,δ62.00000°,λ35.00000°. $M_0$2.81000×10^{15}
IDC Error ellipse: s-maj=21.9km s-min=13.8km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=4.8km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.8km az=164.4.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.5km az=81.0.
ISC XI 21 16 24 49.6–.59 31.81N–.05 141.25E–.09 35 4.0b 52 1-93
NIED XI 21 16 24 00 32.10N 141.30E 35 3.7W **¶601993496**
IDC XI 21 16 24 44.6–.77 31.82N 141.22E 0 4.1,4.0
ISCJB XI 21 16 24 48.0–.40 31.79N–.04 141.27E–.09 35 4.0b,4.0
JMA XI 21 16 24 49.1–.40 32.08N 141.30E 13 4.1,4.0
NEIC XI 21 16 24 51.6–.75 31.75N 141.12E 52–7 4.7b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ37.00000°,λ144.00000°. NP2:ϕ_s166.00000°,δ69.00000°,λ58.00000°. $M_0$4.67000×10^{14}
IDC Error ellipse: s-maj=26.1km s-min=15.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.7km az=156.8.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.1km az=72.0.
IDC XI 21 18 44 39.4–2.6 31.29N 140.77E 0 3.5,3.4
¶602389799
IDC Error ellipse: s-maj=112.5km s-min=17.3km az=72.0.
ISC XI 21 19 06 58.7–.40 29.54N–.04 139.62E–.04 347–3 4.6b 649 3-165
NIED XI 21 19 06 00 29.60N 140.10E 380 4.7W **¶601993520**
JMA XI 21 19 06 56.4–.20 29.58N 140.13E 385–3 5.1
MOS XI 21 19 06 57.9–.87 29.54N 139.47E 349 4.7b
IDC XI 21 19 06 58.8–.58 29.53N 139.53E 346–5 4.8,4.3
BJI XI 21 19 06 58.4 29.41N 139.67E 381 4.7b,4.6b
ISCJB XI 21 19 06 58.1–.23 29.50N–.02 139.62E–.03 354–1 4.5b,4.6b
NEIC XI 21 19 07 00.0–1.5 29.53N 139.48E 358–5 4.6b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ45.00000°,λ-33.00000°. NP2:ϕ_s46.00000°,δ67.00000°,λ-130.00000°. $M_0$1.49000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=115.6.
IDC Error ellipse: s-maj=9.7km s-min=7.7km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.0km az=37.6.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.7km az=107.0.
ISC XI 23 21 10 11.2–1.6 33.15N–.05 140.87E–.09 51–16 3.8b 27 1-57
ISCJB XI 23 21 10 10.7–.85 33.18N–.04 140.84E–.08 65–9 3.8b **¶602389908**
JMA XI 23 21 10 11.2–.10 33.20N 140.85E 57 3.8
IDC XI 23 21 10 14.6–4.5 32.93N 140.13E 62–74 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=7.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=184.4km s-min=26.8km az=64.0.
ISC XI 25 19 11 23.4–1.7 29.2N–.10 142.1E–.40 22 3.8b 12 2-85
IDC XI 25 19 11 18.1–1.8 29.33N 142.92E 0 3.8,3.8b **¶602389987**
ISC Event type ke.
IDC Error ellipse: s-maj=72.0km s-min=17.1km az=76.0.
ISC XI 26 02 12 52.2–1.1 33.2N–.10 138.45E–.09 300 3.0b 15 1-53
IDC XI 26 02 12 28.8–9.7 32.05N 136.25E 0 3.6,3.5 **¶606064566**
JMA XI 26 02 12 49.9–.40 33.04N 138.51E 313 3.1,3.5
ISCJB XI 26 02 12 50.9–.92 33.1N–.10 138.47E–.10 300 3.0b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 26 12 38 07.5–2.4 29.95N–.05 142.99E–.07 3–14 4.6b 242 3-151
NIED XI 26 12 38 00 29.90N 142.60E 8 4.2W **¶601994557**
BJI XI 26 12 38 04.8 29.70N 143.50E 21 4.9b,4.5b
IDC XI 26 12 38 06.6–.43 29.94N 142.99E 0 4.4,4.4
ISCJB XI 26 12 38 07.7–1.3 30.04N–.03 142.87E–.04 12–8 4.5b,4.4
JMA XI 26 12 38 09.9–.20 29.91N 142.57E 50 4.9,4.4
MOS XI 26 12 38 10.4–.90 29.95N 142.90E 33 4.8b,4.4
NEIC XI 26 12 38 12.2–.17 29.94N 142.89E 35 4.6b,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s331.00000°,δ37.00000°,λ-92.00000°. NP2:ϕ_s153.00000°,δ53.00000°,λ-88.00000°. $M_0$2.55000×10^{15}
IDC Error ellipse: s-maj=15.1km s-min=11.4km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=149.2.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=114.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.9km az=202.0.
ISC XI 28 11 13 24.5–1.1 32.2N–.10 138.05E–.08 376 3.6b 28 1-72
JMA XI 28 11 13 21.9–.20 32.28N 138.20E 410 3.0 **¶602390114**
ISCJB XI 28 11 13 24.2–.86 32.2N–.10 138.02E–.08 376 3.6b
IDC XI 28 11 13 24.8–1.7 32.20N 138.03E 379–10 4.0,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=8.9km az=164.1.
IDC Error ellipse: s-maj=42.2km s-min=27.4km az=174.0.
JMA XI 29 08 37 20.2–.20 30.57N 141.18E 73 3.6
¶606065640
JMA Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0.
ISC XI 30 18 35 35.0–.86 29.1N–.10 141.2E–.20 35 3.7b 15 4-150
ISCJB XI 30 18 35 32.8–.73 28.98N–.09 141.2E–.20 35 3.7b,2.9s **¶602390247**
IDC XI 30 18 35 36.1–3.1 29.05N 141.13E 47–28 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.8km s-min=11.3km az=168.4.
IDC Error ellipse: s-maj=31.8km s-min=19.0km az=94.0.
ISC XII 02 06 33 08.2–1.5 33.56N–.07 140.9E–.10 58 12 1-57
IDC XII 02 06 33 04.7–3.1 33.09N 140.09E 0 3.5,3.4b **¶602390331**
ISCJB XII 02 06 33 06.4–1.1 33.54N–.06 141.0E–.10 58 3.4b,3.4b
JMA XII 02 06 33 07.7–.30 33.61N 140.91E 57 2.6,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=149.2km s-min=32.4km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=9.1km az=1.4.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC XII 02 08 37 33.9–1.3 32.47N–.08 141.85E–.10 39 3.7b 23 2-62
NIED XII 02 08 37 00 32.50N 141.90E 5 3.8W **¶602390339**
IDC XII 02 08 37 28.6–1.6 32.41N 141.86E 0 3.8,3.7
ISCJB XII 02 08 37 31.2–.85 32.51N–.05 141.96E–.07 39 3.9s,3.8b
JMA XII 02 08 37 31.2–.20 32.53N 141.88E 27 3.5,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ41.00000°,λ83.00000°. NP2:ϕ_s10.00000°,δ50.00000°,λ96.00000°. $M_0$4.99000×10^{14}
IDC Error ellipse: s-maj=43.9km s-min=18.9km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.3km az=149.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC XII 02 09 18 24.4–.68 31.78N–.08 141.5E–.10 26 4.2b 35 2-149
IDC XII 02 09 18 20.4–.77 31.78N 141.65E 0 4.0,3.9 **¶602042881**
ISCJB XII 02 09 18 22.8–.45 31.79N–.06 141.5E–.10 26 4.1b,2.9s
NEIC XII 02 09 18 24.4–2.6 31.79N 141.49E 24–18 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=17.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=6.2km az=155.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.3km az=72.0.
ISC XII 02 11 32 44.5–.49 31.94N–.06 141.78E–.07 26 4.3b 64 2-150
NIED XII 02 11 32 00 31.90N 142.00E 5 3.8W **¶602042841**
IDC XII 02 11 32 40.6–.71 31.87N 141.71E 0 4.1,4.0
ISCJB XII 02 11 32 42.3–.33 31.91N–.04 141.81E–.06 26 4.2b,3.2s
NEIC XII 02 11 32 42.2–.28 31.88N 141.70E 10 4.6b,3.2s
JMA XII 02 11 32 42.3–.20 31.95N 141.97E 85 3.7,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ38.00000°,λ136.00000°. NP2:ϕ_s342.00000°,δ65.00000°,λ61.00000°. $M_0$6.68000×10^{14}
IDC Error ellipse: s-maj=20.7km s-min=16.2km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.1km az=154.6.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC XII 04 04 27 27.9–.72 33.59N–.07 138.51E–.08 300 3.6b 36 1-76
JMA XII 04 04 27 24.7–.40 33.44N 138.51E 313–4 3.4 **¶602390430**
ISCJB XII 04 04 27 26.4–.45 33.54N–.06 138.50E–.08 300 3.5b
IDC XII 04 04 27 27.4–.50 33.49N 138.44E 290–6 4.0,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.7km az=5.1.
IDC Error ellipse: s-maj=21.6km s-min=8.7km az=73.0.
ISC XII 04 07 42 04.1–.64 32.35N–.08 137.39E–.07 438 3.6b 47 1-71
NIED XII 04 07 42 00 32.30N 137.40E 460 4.1W **¶602390440**
ISCJB XII 04 07 42 02.5–.45 32.31N–.06 137.43E–.07 438 3.4b
IDC XII 04 07 42 03.1–.62 32.27N 137.34E 421–7 4.0,3.4
JMA XII 04 07 42 03.0–.30 32.33N 137.37E 438 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ31.00000°,λ-132.00000°. NP2:ϕ_s300.00000°,δ68.00000°,λ-68.00000°. $M_0$1.75000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.2km az=39.3.
IDC Error ellipse: s-maj=14.9km s-min=9.3km az=77.0.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
IDC XII 04 13 29 16.0–4.3 30.79N 141.08E 0 3.8,3.8s
¶602390451
IDC Error ellipse: s-maj=227.7km s-min=33.9km az=79.0.
ISC XII 07 07 49 27.8–.85 31.7N–.10 138.2E–.10 392 3.5b 23 5-96
ISCJB XII 07 07 49 26.1–.67 31.6N–.10 138.2E–.10 392 3.4b **¶602390578**
IDC XII 07 07 49 26.6–1.6 31.56N 138.18E 382–16 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=13.4km az=153.1.
IDC Error ellipse: s-maj=17.2km s-min=13.4km az=71.0.
ISC XII 08 15 46 23.2–.51 30.29N–.06 138.35E–.08 440 3.7b 50 3-120
ISCJB XII 08 15 46 22.3–.35 30.25N–.04 138.28E–.06 440 3.8b **¶602070443**
JMA XII 08 15 46 24.5–.20 30.35N 138.66E 446 3.4
IDC XII 08 15 46 24.1–.74 30.36N 138.27E 449–8 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=13.3.
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=8.3km az=105.0.
ISC XII 09 03 09 49.7–.58 29.31N–.05 139.56E–.06 392–5 4.2b 231 3-153
ISCJB XII 09 03 09 48.8–.29 29.27N–.03 139.45E–.04 395–3 4.2b **¶602032217**
JMA XII 09 03 09 49.3–.10 29.32N 139.88E 422 4.6
MOS XII 09 03 09 49.6–.79 29.26N 139.34E 403 4.3b
NEIC XII 09 03 09 50.2–.38 29.26N 139.42E 398–3 4.3b
IDC XII 09 03 09 51.5–1.1 29.29N 139.40E 408–12 4.5,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=171.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=5.8km az=108.4.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=94.0.
IDC Error ellipse: s-maj=10.8km s-min=7.2km az=100.0.
ISC XII 10 08 41 45.1–.41 32.35N–.05 141.34E–.05 31 4.6b,3.9s 250 1-153
NIED XII 10 08 41 00 32.50N 141.40E 5 4.7W,3.9s **¶602070454**
JMA XII 10 08 41 41.9–.30 32.53N 141.43E 1 4.6,3.9s
MOS XII 10 08 41 42.6–1.1 32.42N 141.36E 22 4.8b,3.9s
NEIC XII 10 08 41 43.5–2.3 32.28N 141.31E 16–14 4.5b,3.9s
ISCJB XII 10 08 41 44.0–.22 32.38N–.03 141.33E–.03 31 4.5b,3.9s
IDC XII 10 08 41 45.8–3.7 32.38N 141.30E 31–25 4.3,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ7.00000°,λ86.00000°. NP2:ϕ_s358.00000°,δ83.00000°,λ91.00000°. $M_0$1.20000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
MOS Error ellipse: s-maj=10.0km s-min=5.5km az=110.5.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=140.6.
IDC Error ellipse: s-maj=17.5km s-min=15.0km az=117.0.
ISC XII 11 03 32 37.6–1.1 30.0N–.20 138.8E–.20 421 3.3b 7 7-152
IDC XII 11 03 32 35.0–2.5 29.97N 138.91E 392–26 3.7,3.1 **¶602391063**
ISCJB XII 11 03 32 36.1–1.2 29.9N–.20 138.8E–.30 421 3.2b,3.1
ISC Event type ke.
ISCJB Event type ke.
ISC XII 11 07 43 25.1–.84 30.29N–.07 139.6E–.20 441 3.4b 26 3-62
ISCJB XII 11 07 43 23.7–.54 30.28N–.05 139.6E–.20 441 3.3b **¶602391076**
JMA XII 11 07 43 23.2–.30 30.19N 139.53E 441–5 3.7
IDC XII 11 07 43 23.9–1.4 30.03N 138.73E 384–31 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=6.1km az=174.6.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=79.0km s-min=14.8km az=73.0.
ISC XII 11 16 54 52.3–.48 30.51N–.04 140.22E–.07 100 4.2b 86 3-86
ISCJB XII 11 16 54 50.3–.42 30.37N–.03 140.20E–.09 100 4.1b **¶602057894**
JMA XII 11 16 54 53.6–.10 30.56N 140.44E 46 3.9
IDC XII 11 16 54 54.3–1.5 30.53N 140.00E 118–11 4.2,3.9
NEIC XII 11 16 54 55.2–.52 30.54N 140.10E 128–4 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.5km az=6.2.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=21.2km s-min=11.4km az=90.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.9km az=89.0.
ISC XII 11 23 28 02.8–.35 30.55N–.04 140.21E–.04 131–2 4.8b 656 2-153
MOS XII 11 23 28 00.6–.98 30.53N 140.09E 120 4.8b **¶602036415**
IDC XII 11 23 28 01.5–.57 30.43N 140.00E 118–4 4.8,4.6
ISCJB XII 11 23 28 01.5–.40 30.53N–.02 140.14E–.03 127–3 4.8b,4.6
JMA XII 11 23 28 01.9–.20 30.54N 140.41E 128–5 4.3,4.6
BJI XII 11 23 28 02.5 30.60N 140.10E 132 4.9b,4.8b
NEIC XII 11 23 28 03.4–.14 30.58N 140.10E 132 4.8b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=4.2km az=106.7.
IDC Error ellipse: s-maj=11.9km s-min=7.1km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=41.0.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=154.0.
ISC XII 12 07 00 04.1–.66 29.92N–.07 139.7E–.10 388 3.5b 31 4-80
ISCJB XII 12 07 00 03.0–.43 29.89N–.04 139.5E–.10 388 3.5b **¶602391163**
IDC XII 12 07 00 04.6–2.4 29.84N 139.20E 379–26 4.0,3.3
JMA XII 12 07 00 04.4–.10 29.93N 139.65E 374 3.2,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=4.8km az=169.0.
IDC Error ellipse: s-maj=30.9km s-min=11.4km az=79.0.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISC XII 16 08 04 41.8–.62 29.15N–.03 140.85E–.05 108–5 4.7b 531 2-164
NIED XII 16 08 04 00 29.20N 141.40E 95 4.5W **¶602046991**
BJI XII 16 08 04 36.3 28.95N 141.24E 98 4.9b,4.4b
JMA XII 16 08 04 38.9–.10 29.19N 141.43E 163–5 4.4,4.4b
ISCJB XII 16 08 04 38.8–.41 29.13N–.02 140.69E–.03 89–3 4.7b,4.4b
MOS XII 16 08 04 39.7–.93 29.17N 140.61E 101 4.8b,4.4b
NEIC XII 16 08 04 41.0–.47 29.09N 140.69E 99–4 4.8b,4.4b
IDC XII 16 08 04 42.2–1.1 29.15N 140.63E 111–9 4.5,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s101.00000°,δ63.00000°,λ174.00000°. NP2:ϕ_s193.00000°,δ84.00000°,λ27.00000°. $M_0$6.93000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=172.2.
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=85.7.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=119.0.
IDC Error ellipse: s-maj=11.1km s-min=7.5km az=86.0.
ISC XII 17 04 05 04.5–.53 29.96N–.05 141.13E–.09 100 4.0b 50 3-152
IDC XII 17 04 05 04.4–.91 29.85N 140.90E 101–9 3.9,3.7 **¶602391521**
JMA XII 17 04 05 04.8–.10 29.97N 141.25E 92 4.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=6.7km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
ISC XII 17 16 46 40.0–.61 30.27N–.06 138.85E–.10 450 3.3b 40 3-82
JMA XII 17 16 46 37.4–.20 30.30N 138.97E 477 3.6 **¶602391552**
ISCJB XII 17 16 46 38.7–.36 30.27N–.04 138.81E–.07 450 3.2b
IDC XII 17 16 46 39.1–1.0 30.27N 138.68E 429–14 3.8,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=174.4.
IDC Error ellipse: s-maj=23.2km s-min=10.7km az=80.0.

IDC XII 18 13 07 36.0–2.7 32.78N 142.25E 0 3.2,3.1
¶602391601
IDC Error ellipse: s-maj=60.9km s-min=30.0km az=48.0.
ISC XII 18 17 20 10.8–.95 31.84N–.09 138.5E–.10 400 2.9b 17 2-70
ISCJB XII 18 17 20 09.7–.66 31.71N–.07 138.5E–.20 400 2.9b **¶602391618**
IDC XII 18 17 20 11.6–2.1 32.13N 139.26E 443–27 3.4,2.8
JMA XII 18 17 20 11.9–.30 31.93N 138.54E 401 3.3,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=9.1km az=13.4.
IDC Error ellipse: s-maj=42.5km s-min=19.5km az=83.0.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC XII 19 16 21 02.1–.90 32.17N–.09 138.16E–.09 380 3.1b 35 2-72
JMA XII 19 16 20 59.2–.40 32.05N 138.28E 382 3.3 **¶602391675**
ISCJB XII 19 16 21 00.3–.60 32.11N–.07 138.21E–.09 380 3.1b
IDC XII 19 16 21 02.1–.78 32.07N 138.00E 371–15 3.7,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.5km az=37.2.
IDC Error ellipse: s-maj=38.4km s-min=12.4km az=68.0.
ISC XII 20 11 02 45.7–1.0 29.8N–.10 142.1E–.20 26 3.9b 12 8-79
IDC XII 20 11 02 41.7–.90 29.78N 142.06E 0 3.9,3.8L **¶602391724**
ISCJB XII 20 11 02 43.7–.83 29.77N–.09 142.0E–.20 26 3.8b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 20 16 00 59.5–.66 29.81N–.05 142.3E–.10 26 4.1b 34 3-94
NIED XII 20 16 00 00 29.90N 142.30E 5 4.4W **¶602391740**
ISCJB XII 20 16 00 58.3–.54 29.83N–.04 142.1E–.10 26 4.0b,3.3s
JMA XII 20 16 00 59.0–.20 29.90N 142.30E 44 3.9,3.3s
IDC XII 20 16 01 03.7–2.6 29.78N 142.18E 54–24 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ11.00000°,λ101.00000°. NP2:ϕ_s340.00000°,δ79.00000°,λ88.00000°. $M_0$5.16000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=4.1km az=166.6.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=27.3km s-min=14.7km az=79.0.
ISC XII 21 14 43 36.5–1.3 29.79N–.03 142.21E–.05 16–7 5.0b,4.3s 324 3-151
NIED XII 21 14 43 00 29.80N 142.30E 5 4.9W,4.3s **¶602055696**
ISCJB XII 21 14 43 32.7–.95 29.75N–.02 142.16E–.03 1–5 5.0b,4.3s
IDC XII 21 14 43 33.9–.41 29.71N 142.22E 0 4.8,4.7
BJI XII 21 14 43 33.7 29.76N 142.28E 16 5.0b,4.8b
JMA XII 21 14 43 36.2–.20 29.84N 142.34E 55 5.0,4.8b
MOS XII 21 14 43 38.8–1.2 29.74N 142.26E 48 5.1b,4.0s
NEIC XII 21 14 43 39.4–.25 29.78N 142.21E 35 5.0b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ19.00000°,λ108.00000°. NP2:ϕ_s336.00000°,δ72.00000°,λ84.00000°. $M_0$2.43000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=173.9.
IDC Error ellipse: s-maj=14.7km s-min=9.3km az=95.0.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=5.0km az=114.5.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.5km az=94.0.
ISC XII 23 07 14 12.1–.87 32.43N–.10 137.51E–.08 403–7 3.6b 47 1-96
JMA XII 23 07 14 10.9–.20 32.35N 137.53E 410–3 3.3 **¶602391910**
ISCJB XII 23 07 14 11.2–.54 32.44N–.08 137.50E–.08 411–4 3.5b
IDC XII 23 07 14 12.1–1.4 32.41N 137.40E 405–16 4.0,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=9.6km az=145.0.
IDC Error ellipse: s-maj=17.8km s-min=10.8km az=97.0.
IDC XII 23 18 59 38.2–5.6 29.75N 142.35E 0 3.6,3.5
¶602391937
IDC Error ellipse: s-maj=212.4km s-min=27.8km az=73.0.
JMA XII 24 09 20 01.5–.30 30.72N 138.27E 17 4.0
¶606077165
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC XII 25 17 08 15.2–.31 32.03N–.03 137.97E–.03 370–2 4.9b 1405 2-165
NIED XII 25 17 08 00 32.10N 138.20E 380 5.2W **¶602058393**
JMA XII 25 17 08 13.7–.30 32.09N 138.20E 397–3 5.1
BJI XII 25 17 08 14.3 32.03N 137.82E 371 5.1b,5.1b
MOS XII 25 17 08 14.2–.93 32.01N 137.89E 369 5.1b,5.1b
ISCJB XII 25 17 08 14.8–.16 31.97N–.02 137.89E–.02 375–1 4.8b,5.1b
NEIC XII 25 17 08 14.8–.09 31.98N 137.85E 365 4.9b,5.1b
IDC XII 25 17 08 15.1–.51 32.00N 137.91E 365–4 5.2,4.6
GCMT XII 25 17 08 16.8–.30 31.98N–.03 137.62E–.04 378–2 5.2W,4.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ12.00000°,λ-141.00000°. NP2:ϕ_s21.00000°,δ82.00000°,λ-80.00000°. $M_0$7.30000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ82.00000°,λ-73.00000°. NP2:ϕ_s127.00000°,δ19.00000°,λ-155.00000°. Principal axes: T Plg35.0000°,Azm88.0000°; N Plg17.0000°,Azm190.0000°; P Plg50.0000°,Azm302.0000°
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Tochigi and Tokyo, Honshu.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c81;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03±.25 $M_{\theta\theta}$0.25±.37; $M_{\phi\phi}$1.78±.35; $M_{r\theta}$-3.47±.36; $M_{\theta\phi}$-0.76±.36; $M_{\phi r}$-7.74±.32; Best double couple: NP1: ϕ_s22.00000°,δ85.00000°,λ-83.00000°. NP2:ϕ_s147.00000°,δ9.00000°,λ-144.00000°. Principal axes: T 8.1730,Plg39.0000°,Azm106.0000°; N 1.0240,Plg7.0000°,Azm202.0000°; P -9.1960,Plg50.0000°,Azm300.0000° $M_0$8.68400×10^{16}
ISC XII 31 04 49 53.5–1.5 32.8N–.10 138.39E–.09 350 18 1-47
JMA XII 31 04 49 51.6–.50 32.60N 138.43E 334–5 3.1 **¶602380470**
ISCJB XII 31 04 49 52.1–1.1 32.8N–.20 138.44E–.10 350 3.0b
IDC XII 31 04 49 55.1–1.9 32.75N 138.18E 327–68 3.6,3.0b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=9.0km az=160.6.
IDC Error ellipse: s-maj=172.7km s-min=50.5km az=73.0.
ISC XII 31 18 01 17.1–1.0 33.32N–.04 140.90E–.08 91–9 3.6b 48 1-93
NIED XII 31 18 01 00 33.40N 140.80E 86 3.8W **¶602380510**
ISCJB XII 31 18 01 17.0–.60 33.36N–.04 140.79E–.08 99–5 3.7b
IDC XII 31 18 01 17.7–.91 33.34N 140.76E 92–7 3.8,3.7
JMA XII 31 18 01 18.2–.10 33.41N 140.80E 88–3 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ49.00000°,λ-140.00000°. NP2:ϕ_s24.00000°,δ61.00000°,λ-49.00000°. $M_0$5.89000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.1km az=171.3.
IDC Error ellipse: s-maj=17.1km s-min=10.1km az=77.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

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ISC VII 02 08 10 18.6–.91 27.5N–.20 139.9E–.20 450 3.6b 12 2-82
ISCJB VII 02 08 10 17.4–.74 27.5N–.20 139.8E–.20 450 3.5b **¶601663396**
IDC VII 02 08 10 18.5–.72 27.51N 140.06E 454–11 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=13.9km az=38.7.
IDC Error ellipse: s-maj=30.5km s-min=19.8km az=74.0.
ISC VII 02 22 53 08.5–.69 28.86N–.08 140.2E–.20 480 3.7b 39 2-81
ISCJB VII 02 22 53 07.4–.39 28.84N–.05 140.1E–.10 480 3.6b **¶601505918**
JMA VII 02 22 53 07.5–.10 28.85N 140.10E 480 3.8
IDC VII 02 22 53 07.8–.69 28.72N 139.61E 453–13 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.6km az=160.6.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=37.8km s-min=9.4km az=75.0.
ISC VII 06 03 26 40.5–.78 27.00N–.08 143.78E–.08 35 4.0b 37 1-149
IDC VII 06 03 26 34.9–.81 26.91N 143.87E 0 4.2,4.2L **¶601404590**
ISCJB VII 06 03 26 38.0–.57 27.08N–.05 143.85E–.05 33 3.9b,3.9s
JMA VII 06 03 26 37.3–.20 27.15N 143.86E 36 4.2,3.9s
NEIC VII 06 03 26 40.2–.54 26.94N 143.77E 35 4.1b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=17.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.7km az=152.2.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.3km az=69.0.
IDC VII 09 11 07 48.6–3.4 27.26N 142.85E 96–17 3.3,3.2
¶601664331
IDC Error ellipse: s-maj=72.7km s-min=26.6km az=79.0.
ISC VII 10 18 22 17.3–.87 27.13N–.08 143.72E–.09 35 4.2b 33 1-83
IDC VII 10 18 22 11.3–1.6 26.95N 143.87E 0 3.8L,3.7 **¶601625003**
NEIC VII 10 18 22 13.8–.40 26.98N 143.83E 15 4.8b,3.7
ISCJB VII 10 18 22 14.6–.47 27.04N–.06 143.78E–.06 33 4.1b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 10 19 43 48.3–1.4 27.11N–.09 143.6E–.10 35 3.5b 11 1-59
IDC VII 10 19 43 43.3–1.4 26.92N 143.62E 0 3.7L,3.6 **¶601664395**
ISCJB VII 10 19 43 45.3–1.0 27.07N–.10 143.8E–.10 33 3.4b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 15 15 19 36.7–.67 27.13N–.07 143.50E–.07 35 3.8b 60 1-149
NIED VII 15 15 19 00 27.10N 143.40E 8 4.0W **¶601468491**
IDC VII 15 15 19 30.4–.64 26.94N 143.70E 0 3.9,3.8
NEIC VII 15 15 19 32.2–.41 26.91N 143.61E 10 4.6b,3.8
JMA VII 15 15 19 34.9 27.09N 143.38E 90 4.1,3.8
ISCJB VII 15 15 19 35.2–.53 27.26N–.04 143.49E–.05 33 4.0b,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ40.00000°,λ-114.00000°. NP2:ϕ_s149.00000°,δ54.00000°,λ-71.00000°. $M_0$1.06000×10^{15}
NEIC Event type se.
ISCJB Event type se.
IDC VII 20 20 37 42.3–1.4 26.87N 141.43E 0 3.6,3.4
¶601664884
IDC Error ellipse: s-maj=31.7km s-min=23.9km az=180.0.
IDC VII 21 19 41 44.6–1.4 27.22N 142.76E 0 3.7,3.5b
¶601664930
IDC Error ellipse: s-maj=26.8km s-min=24.7km az=109.0.
ISC VII 25 23 41 27.9–.52 27.49N–.04 142.54E–.08 30 4.5b,3.9s 128 1-150
NIED VII 25 23 41 00 27.60N 142.90E 5 4.7W,3.9s **¶601473967**
JMA VII 25 23 41 21.9 27.62N 142.93E 15–2 4.5,3.9s
IDC VII 25 23 41 22.3–.63 27.42N 142.65E 0 4.3,4.2
MOS VII 25 23 41 26.7–1.1 27.44N 142.59E 39 4.7b,4.2
NEIC VII 25 23 41 28.7–1.0 27.42N 142.39E 38–9 4.3b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ12.00000°,λ112.00000°. NP2:ϕ_s349.00000°,δ79.00000°,λ85.00000°. $M_0$1.25000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=12.1km az=112.0.
MOS Error ellipse: s-maj=14.8km s-min=6.2km az=116.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.2km az=90.0.
ISC VII 31 00 40 34.9–.72 26.26N–.08 141.9E–.10 40 3.8b 29 0-150
NIED VII 31 00 40 00 26.30N 142.10E 5 4.4W **¶601521011**
IDC VII 31 00 40 29.4–.67 26.30N 141.65E 0 4.1,3.9b
ISCJB VII 31 00 40 33.4–.56 26.29N–.06 141.70E–.07 40 3.8b,2.8s
NEIC VII 31 00 40 33.5–3.9 26.29N 141.63E 28–27 4.0b,2.8s
JMA VII 31 00 40 36.3–.10 26.34N 142.07E 46 4.1,2.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ8.00000°,λ80.00000°. NP2:ϕ_s353.00000°,δ82.00000°,λ91.00000°. $M_0$4.45000×10^{15}
IDC Error ellipse: s-maj=24.3km s-min=16.6km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=6.1km az=37.4.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=11.4km az=134.0. Recorded [1 JMA] in the Hahajima-retto.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISC VII 31 02 28 41.2–.85 26.4N–.10 141.8E–.20 40 3.6b 12 1-150
ISCJB VII 31 02 28 39.5–.76 26.4N–.10 141.6E–.20 40 3.7b **¶601650801**
IDC VII 31 02 28 41.4–1.8 26.45N 141.80E 40–15 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=10.1km az=35.3.
IDC Error ellipse: s-maj=28.9km s-min=17.2km az=101.0.
IDC VIII 03 09 03 50.9–1.3 26.77N 143.82E 0 4.1L,3.9
¶601765393
IDC Error ellipse: s-maj=42.1km s-min=30.9km az=78.0.
ISC VIII 03 17 31 07.8–1.9 27.3N–.20 139.8E–.60 479 3.0b 6 9-77
ISCJB VIII 03 17 31 06.5–1.6 27.3N–.10 139.7E–.70 479 3.0b **¶601765413**
IDC VIII 03 17 31 08.9–3.0 27.41N 140.10E 502–43 3.5,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=78.3km s-min=17.1km az=172.3.
IDC Error ellipse: s-maj=95.4km s-min=15.5km az=76.0.
IDC VIII 06 14 08 33.9–1.7 27.21N 143.38E 0 3.5,3.3
¶601765557
IDC Error ellipse: s-maj=31.0km s-min=23.7km az=48.0.
ISC VIII 06 17 43 07.3–1.2 27.3N–.10 143.5E–.10 35 4.0b 16 1-149
IDC VIII 06 17 43 02.7–1.2 27.17N 143.51E 0 4.1,4.0 **¶601765567**
ISCJB VIII 06 17 43 04.3–.99 27.34N–.07 143.64E–.09 33 4.0b,4.0
JMA VIII 06 17 43 06.6–.10 27.24N 143.37E 87 2.8,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=21.1km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.4km az=34.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VIII 08 20 53 46.7–.52 27.36N–.04 140.45E–.06 331–5 4.3b 220 2-151
NIED VIII 08 20 53 00 27.40N 140.80E 340 4.3W **¶601532917**
BJI VIII 08 20 53 44.5 27.14N 140.41E 339 4.5b,4.5b
ISCJB VIII 08 20 53 45.7–.32 27.34N–.03 140.41E–.05 333–2 4.2b,4.5b
JMA VIII 08 20 53 46.8–.20 27.44N 140.80E 340–3 4.2,4.5b
NEIC VIII 08 20 53 47.4–.46 27.31N 140.32E 336–4 4.3b,4.5b
IDC VIII 08 20 53 47.3–.74 27.32N 140.32E 336–7 4.6,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ30.00000°,λ-159.00000°. NP2:ϕ_s58.00000°,δ80.00000°,λ-62.00000°. $M_0$3.64000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=167.2.
JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=82.0.
IDC Error ellipse: s-maj=8.7km s-min=5.8km az=91.0.
ISC VIII 10 01 32 52.8–.65 28.71N–.07 138.8E–.10 423 3.6b 41 3-121
ISCJB VIII 10 01 32 52.0–.45 28.64N–.04 138.64E–.08 423 3.5b **¶601765720**
JMA VIII 10 01 32 53.6–.10 28.92N 139.80E 483 3.9
IDC VIII 10 01 32 54.0–.65 28.81N 139.54E 464–9 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.6km az=165.6.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=9.3km az=75.0.
ISC VIII 10 13 48 21.2–.71 28.01N–.09 139.4E–.10 478 3.5b 34 3-84
ISCJB VIII 10 13 48 20.6–.49 27.95N–.06 139.26E–.09 478 3.4b **¶601765731**
IDC VIII 10 13 48 21.6–.64 27.97N 139.61E 494–9 4.0,3.3
JMA VIII 10 13 48 22.5–.30 28.17N 140.26E 516–5 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.4km az=156.2.
IDC Error ellipse: s-maj=17.0km s-min=14.2km az=60.0.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
ISC VIII 13 10 27 21.2–.96 27.8N–.10 139.5E–.20 500 3.5b 18 3-76
IDC VIII 13 10 26 25.4–3.0 28.51N 141.57E 0 4.0,3.9 **¶601765800**
ISCJB VIII 13 10 27 20.0–.73 27.75N–.09 139.3E–.10 500 3.4b,3.9
JMA VIII 13 10 27 22.3–.20 28.01N 139.96E 517 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=128.5km s-min=28.6km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=9.8km az=150.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
ISC VIII 14 12 06 13.6–.27 28.77N–.03 142.52E–.04 29–1 5.2b,4.6s 1072 2-151
NIED VIII 14 12 06 00 28.70N 142.30E 5 5.2W,4.6s **¶601561352**
IDC VIII 14 12 06 08.7–.38 28.67N 142.63E 0 5.0,4.9
MOS VIII 14 12 06 12.5–.98 28.72N 142.58E 33 5.4b,4.5s
JMA VIII 14 12 06 12.1–.20 28.71N 142.27E 61 5.0,4.5s

ISCJB VIII 14 12 06 13.6–.10 28.81N–.02 142.50E–.02 38 5.2b,4.6s
NEIC VIII 14 12 06 14.9–.10 28.72N 142.53E 38 5.3b,4.6s
BJI VIII 14 12 06 16.6 28.99N 142.08E 44 5.1b,5.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ40.00000°,λ96.00000°. NP2:ϕ_s343.00000°,δ50.00000°,λ85.00000°. $M_0$6.57000×10^{16}
IDC Error ellipse: s-maj=11.9km s-min=9.4km az=107.0.
MOS Error ellipse: s-maj=7.0km s-min=4.0km az=111.4.
JMA Error ellipse: s-maj=1.1km s-min=6.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.1km az=171.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=163.0.
ISC VIII 15 00 42 49.2–3.1 28.7N–.10 142.4E–.70 35 3.7b 10 2-57
IDC VIII 15 00 42 42.6–3.5 28.89N 142.89E 0 3.8L,3.7 **¶601765862**
ISCJB VIII 15 00 42 47.3–2.5 28.8N–.10 142.3E–.70 35 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
JMA VIII 16 17 59 40.6–.30 28.41N 140.53E 87 3.8
¶606013287
JMA Error ellipse: s-maj=4.4km s-min=6.8km az=-1.0.
ISC VIII 17 21 02 07.9–1.2 28.22N–.06 142.6E–.20 22 3.4b 12 1-57
IDC VIII 17 21 02 04.2–1.1 28.14N 142.78E 0 3.8,3.7 **¶601766015**
ISCJB VIII 17 21 02 05.7–.99 28.28N–.05 142.6E–.20 22 3.7b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 06 51 41.7–.33 28.40N–.03 138.84E–.04 525–3 4.8b 1092 3-166
NIED VIII 18 06 51 00 28.30N 139.10E 520 4.9W **¶601565323**
JMA VIII 18 06 51 39.9–.10 28.29N 139.08E 543 5.2
BJI VIII 18 06 51 40.9 28.37N 138.84E 534 4.9b,4.7b
IDC VIII 18 06 51 41.9–.44 28.35N 138.83E 527–4 5.1,4.3
MOS VIII 18 06 51 41.7–.87 28.35N 138.72E 535 4.8b,4.3
NEIC VIII 18 06 51 42.4–.24 28.37N 138.70E 531–2 4.7b,4.3
ISCJB VIII 18 06 51 42.2–.21 28.37N–.02 138.76E–.02 537–2 4.7b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ53.00000°,λ165.00000°. NP2:ϕ_s117.00000°,δ78.00000°,λ38.00000°. $M_0$2.70000×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC VIII 18 17 03 25.6–.93 27.7N–.10 140.1E–.20 479 3.5b 11 2-77
ISCJB VIII 18 17 03 24.5–.68 27.61N–.09 139.9E–.20 479 3.3b **¶601766085**
IDC VIII 18 17 03 25.5–.60 27.70N 140.18E 479–22 3.8,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=10.8km az=165.0.
IDC Error ellipse: s-maj=68.9km s-min=11.1km az=74.0.
ISC VIII 24 08 10 26.4–.82 26.55N–.09 141.0E–.20 450 3.4b 22 1-78
ISCJB VIII 24 08 10 24.5–.57 26.47N–.07 141.2E–.20 450 3.4b **¶601766395**
IDC VIII 24 08 10 25.9–2.4 26.38N 140.67E 432–28 4.0,3.4
JMA VIII 24 08 10 28.2–.10 26.83N 141.35E 427 3.8,3.4
ISC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=9.2km az=175.1.
IDC Error ellipse: s-maj=29.7km s-min=11.8km az=93.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
ISC VIII 27 05 48 31.0–.79 27.83N–.10 139.8E–.10 400 3.6b 31 2-82
IDC VIII 27 05 48 30.6–.63 27.64N 139.91E 415–8 4.0,3.4 **¶601766541**
JMA VIII 27 05 48 33.4–.20 27.91N 139.86E 392 4.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=10.2km az=80.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC VIII 28 00 20 04.1–2.2 27.87N 142.71E 0 3.9,3.8
¶601755487
IDC Error ellipse: s-maj=59.0km s-min=16.3km az=95.0.
IDC VIII 29 02 16 13.8–2.9 28.41N 140.09E 0 4.0,3.9
¶601755542
IDC Error ellipse: s-maj=131.2km s-min=20.3km az=77.0.
ISC VIII 29 12 13 05.6–.70 27.90N–.04 142.8E–.10 22 4.2b 47 1-93
NIED VIII 29 12 13 00 27.70N 143.10E 11 3.6W **¶601755557**
IDC VIII 29 12 13 02.2–.71 27.90N 142.88E 0 4.1,4.0b
ISCJB VIII 29 12 13 03.5–.52 27.90N–.04 142.86E–.09 22 4.1b,4.0b
NEIC VIII 29 12 13 03.4–.49 27.85N 142.86E 10 4.4b,4.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ78.00000°,λ-172.00000°. NP2:ϕ_s120.00000°,δ82.00000°,λ-12.00000°. $M_0$2.93000×10^{14}
IDC Error ellipse: s-maj=22.1km s-min=12.0km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.1km az=179.8.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.1km az=81.0.
ISC VIII 31 12 07 01.7–.77 27.05N–.09 143.83E–.09 35 3.9b 20 1-94
IDC VIII 31 12 06 56.2–.68 26.90N 143.98E 0 4.1,3.9 **¶601755658**
ISCJB VIII 31 12 06 59.6–.59 26.92N–.09 143.91E–.07 33 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 20 44 35.6–.73 28.23N–.07 139.4E–.10 450 3.4b 26 3-82
IDC VIII 31 20 44 36.3–.61 28.21N 139.70E 476–8 4.0,3.3 **¶601755802**
JMA VIII 31 20 44 37.2–.30 28.36N 139.54E 466 4.0,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=9.8km az=79.0.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
ISC IX 03 16 55 56.1–.64 27.90N–.07 139.8E–.10 478 3.5b 42 2-97
ISCJB IX 03 16 55 55.3–.42 27.84N–.04 139.58E–.09 478 3.5b **¶601862875**
IDC IX 03 16 55 56.2–.57 27.86N 139.87E 487–7 4.0,3.4
JMA IX 03 16 55 57.7–.10 28.12N 140.61E 510 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.8km az=170.7.
IDC Error ellipse: s-maj=17.1km s-min=8.8km az=83.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
ISC IX 03 20 59 44.1–1.0 27.0N–.10 143.5E–.10 35 4.2b 20 1-149
IDC IX 03 20 59 38.7–1.1 26.95N 143.61E 0 4.0,3.9 **¶601777914**
NEIC IX 03 20 59 40.2–.64 26.96N 143.60E 10 4.5b,3.9
ISCJB IX 03 20 59 41.9–.73 26.92N–.09 143.58E–.07 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 05 17 11 43.9–1.6 27.03N–.09 144.0E–.10 35 3.8b 10 2-52
IDC IX 05 17 11 33.3–7.3 27.24N 145.74E 0 3.8,3.7b **¶601862995**
JMA IX 05 17 11 42.1–.10 27.20N 143.89E 20 4.2,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=271.0km s-min=27.8km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC IX 06 09 02 14.8–2.1 26.92N 143.80E 0 4.0L,3.8
¶601863035
IDC Error ellipse: s-maj=47.4km s-min=27.6km az=76.0.
JMA IX 06 22 31 24.2–.10 28.30N 141.37E 196 3.7
¶606025943
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
ISC IX 07 12 10 47.4–1.1 28.75N–.07 142.4E–.20 27 3.9b 9 2-65
IDC IX 07 12 10 43.4–1.3 28.77N 142.48E 0 3.8,3.8L **¶601863113**
ISCJB IX 07 12 10 45.1–.99 28.85N–.06 142.6E–.20 27 3.7b,2.8s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 19 26 54.7–.55 27.54N–.05 142.93E–.07 27 4.3b,3.0s 98 1-91
NIED IX 08 19 26 00 27.60N 143.00E 8 4.2W,3.0s **¶601839187**
IDC IX 08 19 26 50.5–.65 27.37N 142.86E 0 4.2,4.1
JMA IX 08 19 26 52.2 27.57N 143.03E 69–5 4.4,4.1
ISCJB IX 08 19 26 53.3–.37 27.66N–.02 142.90E–.05 27 4.3b,3.1s
NEIC IX 08 19 26 54.0–1.7 27.42N 142.92E 22–11 4.7b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ31.00000°,λ131.00000°. NP2:ϕ_s294.00000°,δ67.00000°,λ68.00000°. $M_0$1.93000×10^{15}
IDC Error ellipse: s-maj=21.8km s-min=14.7km az=84.0.
JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.6km az=97.0.
ISC IX 10 06 10 36.8–.62 26.42N–.07 140.5E–.10 400 3.6b 46 1-152

ISCJB IX 10 06 10 36.1–.53 26.38N–.06 140.35E–.09 400 3.4b **¶601863282**
IDC IX 10 06 10 36.3–.66 26.28N 140.52E 403–6 4.1,3.5
JMA IX 10 06 10 39.9–.10 26.80N 141.28E 417 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.0km az=159.1.
IDC Error ellipse: s-maj=18.5km s-min=10.0km az=76.0.
JMA Error ellipse: s-maj=3.3km s-min=6.0km az=-1.0.
ISC IX 15 13 16 04.1–.42 27.83N–.05 139.27E–.08 507 3.8b 96 3-152
ISCJB IX 15 13 16 03.9–.32 27.78N–.03 139.17E–.06 507 3.8b **¶601832990**
JMA IX 15 13 16 04.7–.30 27.90N 139.52E 538–5 4.6
IDC IX 15 13 16 06.0–.85 27.86N 139.26E 534–9 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=15.6.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=12.4km s-min=7.0km az=91.0.
ISC IX 18 20 50 03.3–1.7 27.0N–.10 143.9E–.30 35 4.3b 14 2-75
IDC IX 18 20 49 57.6–7.8 26.91N 144.46E 0 4.2s,4.2 **¶601842088**
NEIC IX 18 20 49 59.3–1.2 26.93N 144.07E 10 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=294.9km s-min=26.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=35.5km s-min=10.5km az=75.0.
IDC IX 19 14 12 30.8–3.2 26.79N 141.53E 102–90 3.7,3.6
¶601863831
IDC Error ellipse: s-maj=207.8km s-min=34.9km az=67.0.
ISC IX 24 10 55 35.1–.85 28.3N–.10 139.9E–.20 495 3.3b 16 2-76
ISCJB IX 24 10 55 34.1–.55 28.22N–.09 139.7E–.10 495 3.2b **¶601864092**
JMA IX 24 10 55 35.8–.10 28.52N 140.27E 495 3.8
IDC IX 24 10 55 36.7–2.8 28.26N 139.43E 503–40 3.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=8.7km az=149.4.
JMA Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=81.2km s-min=14.5km az=75.0.
IDC IX 24 18 16 33.4–2.0 27.41N 143.14E 0 3.7,3.5
¶601864108
IDC Error ellipse: s-maj=67.7km s-min=22.9km az=77.0.
IDC IX 25 06 36 01.8–30 28.48N 140.18E 0 4.0,3.9
¶601864136
IDC Error ellipse: s-maj=769.1km s-min=99.2km az=173.0.
IDC IX 26 09 19 54.6–2.0 28.71N 141.41E 0 4.2,4.1
¶601864197
IDC Error ellipse: s-maj=106.2km s-min=22.2km az=80.0.
ISC IX 29 09 52 53.4–.60 27.02N–.06 143.79E–.06 35 4.5b,3.5s 125 1-149
BJI IX 29 09 52 45.1 26.65N 143.99E 10 5.1b,4.7s **¶601768533**
IDC IX 29 09 52 47.8–.61 26.94N 143.79E 0 4.4,4.3
MOS IX 29 09 52 49.2–.91 26.93N 143.82E 21 4.7b,4.3
NEIC IX 29 09 52 49.4–.27 26.93N 143.83E 10 4.7b,4.3
ISCJB IX 29 09 52 51.9–.36 27.12N–.04 143.72E–.04 33 4.5b,3.5s
JMA IX 29 09 52 51.2 27.10N 143.71E 75 4.3,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.7km az=89.0.
MOS Error ellipse: s-maj=16.0km s-min=6.3km az=119.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=5.3km az=224.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=156.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC IX 30 19 03 03.4–9.8 28.87N 141.07E 0 3.5,3.4
¶601857543
IDC Error ellipse: s-maj=368.8km s-min=31.8km az=68.0.
ISC X 01 15 32 52.4–.82 28.85N–.08 139.7E–.20 424 3.2b 19 3-81
ISCJB X 01 15 32 51.3–.61 28.82N–.05 139.6E–.10 424 3.2b **¶601996407**
IDC X 01 15 32 52.0–16 28.79N 139.70E 416–191 3.8,3.3
JMA X 01 15 32 52.8–.10 28.95N 140.14E 435 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=6.3km az=167.0.
IDC Error ellipse: s-maj=51.8km s-min=15.0km az=89.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC X 02 15 11 16.6–.64 27.55N–.07 140.1E–.10 400 3.6b 35 2-152
IDC X 02 15 11 17.8–1.1 27.42N 140.12E 428–12 4.0,3.4 **¶601996820**
JMA X 02 15 11 19.0–.10 27.75N 140.64E 423 3.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=12.6km az=73.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC X 02 18 30 46.5–.94 28.2N–.20 140.5E–.20 300 3.2b 8 2-76
ISCJB X 02 18 30 45.5–.80 28.1N–.20 140.4E–.20 300 3.2b **¶601996833**
IDC X 02 18 30 46.3–.86 28.10N 140.31E 287–15 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=12.6km az=42.0.
IDC Error ellipse: s-maj=35.0km s-min=16.0km az=73.0.
JMA X 04 04 03 14.1–.10 26.64N 140.60E 123 4.1
¶606039686
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 05 01 51 45.7–.49 27.28N–.06 143.35E–.07 35 4.2b 76 1-149
NIED X 05 01 51 00 27.20N 143.00E 14 4.0W **¶601790317**
IDC X 05 01 51 40.3–.53 27.18N 143.38E 0 4.3,4.2
ISCJB X 05 01 51 43.8–.37 27.24N–.05 143.41E–.05 33 4.2b,4.2s
NEIC X 05 01 51 45.6–.31 27.19N 143.36E 35 4.4b,4.2s
JMA X 05 01 51 46.3 27.19N 143.05E 90 3.7,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ41.00000°,λ-176.00000°. NP2:ϕ_s217.00000°,δ87.00000°,λ-49.00000°. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=14.0km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=144.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.8km az=63.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 09 09 51 32.0–.81 27.52N–.08 140.6E–.10 325 3.8b 46 1-83
ISCJB X 09 09 51 30.2–.46 27.37N–.04 140.47E–.08 325 3.8b **¶601874137**
IDC X 09 09 51 31.4–1.0 27.30N 140.46E 332–10 4.3,3.7
JMA X 09 09 51 33.3–.20 27.62N 140.98E 325–3 4.5,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.7km az=162.8.
IDC Error ellipse: s-maj=17.3km s-min=11.1km az=81.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC X 09 20 43 29.3–.34 28.74N–.04 143.74E–.06 35 4.8b 250 2-150
NIED X 09 20 43 00 28.80N 143.50E 11 4.2W **¶601826709**
IDC X 09 20 43 24.1–.52 28.72N 143.83E 0 4.4,4.3
BJI X 09 20 43 26.7 28.73N 143.51E 17 4.8b,4.7s
ISCJB X 09 20 43 27.4–.18 28.71N–.03 143.75E–.03 33 4.7b,4.7s
MOS X 09 20 43 28.2–1.1 28.74N 143.81E 39 4.9b,4.7s
JMA X 09 20 43 28.0–.10 28.77N 143.49E 98 4.2,4.7s
NEIC X 09 20 43 29.2–.18 28.75N 143.74E 35 4.9b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ46.00000°,λ-167.00000°. NP2:ϕ_s178.00000°,δ81.00000°,λ-45.00000°. $M_0$2.48000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=11.7km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=34.2.
MOS Error ellipse: s-maj=11.4km s-min=6.0km az=112.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=4.2km az=133.0.
ISC X 11 12 23 45.3–.91 28.95N–.10 140.7E–.20 150 3.6b 23 2-81
JMA X 11 12 23 42.1–.20 28.86N 141.15E 233–5 4.3 **¶601997886**
ISCJB X 11 12 23 43.8–.70 28.87N–.07 140.5E–.20 150 3.5b
IDC X 11 12 23 45.4–2.0 28.94N 140.88E 158–28 3.9,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=4.2km az=157.6.
IDC Error ellipse: s-maj=94.5km s-min=17.7km az=77.0.
IDC X 11 19 44 24.1–1.9 26.84N 143.82E 0 3.9,3.6
¶601997921
IDC Error ellipse: s-maj=43.3km s-min=21.6km az=53.0.
ISC X 12 03 18 51.3–.38 28.39N–.05 138.79E–.06 524 4.3b 190 3-154
BJI X 12 03 18 48.1 28.15N 138.68E 510 5.2b,4.7b **¶601828940**
MOS X 12 03 18 49.9–.86 28.34N 138.63E 522 4.2b,4.7b

JMA X 12 03 18 49.0–.10 28.26N 138.92E 547 4.4,4.7b
NEIC X 12 03 18 50.7–.38 28.34N 138.67E 513–4 4.4b,4.7b
ISCJB X 12 03 18 50.1–.23 28.35N–.03 138.78E–.04 524 4.2b,4.7b
IDC X 12 03 18 51.5–.91 28.37N 138.65E 523–10 4.5,3.7
ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=6.4km az=102.4.
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=17.6.
IDC Error ellipse: s-maj=12.7km s-min=7.8km az=89.0.
ISC X 12 21 10 58.3–.35 27.76N–.04 139.76E–.05 492–3 4.5b 551 2-152
NIED X 12 21 10 00 27.70N 140.00E 480 4.8W **¶601830333**
ISCJB X 12 21 10 56.8–.22 27.68N–.02 139.80E–.03 487–2 4.4b
MOS X 12 21 10 56.2–.85 27.69N 139.71E 480 4.5b
BJI X 12 21 10 56.4 27.53N 139.91E 506 4.8b,4.7b
IDC X 12 21 10 57.2–.42 27.69N 139.76E 479–4 4.8,4.0
JMA X 12 21 10 57.1–.30 27.74N 140.01E 495–5 4.8,4.0
NEIC X 12 21 10 58.3–.23 27.69N 139.76E 492–2 4.5b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ26.00000°,λ-94.00000°. NP2:ϕ_s309.00000°,δ64.00000°,λ-88.00000°. $M_0$1.96000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=19.5.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=111.1.
IDC Error ellipse: s-maj=8.5km s-min=5.4km az=90.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.2km az=124.0.
ISC X 13 20 57 14.8–.79 27.47N–.09 140.3E–.10 400 3.4b 25 2-151
ISCJB X 13 20 57 13.5–.62 27.40N–.07 140.1E–.10 400 3.3b **¶601998152**
IDC X 13 20 57 13.7–.82 27.36N 140.08E 389–8 3.8,3.2
JMA X 13 20 57 16.1–.10 27.69N 140.88E 411 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=7.4km az=149.3.
IDC Error ellipse: s-maj=23.2km s-min=14.7km az=69.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
IDC X 15 10 56 27.9–2.2 27.18N 142.74E 0 4.1L,3.9
¶601998317
IDC Error ellipse: s-maj=36.7km s-min=28.8km az=73.0.
ISC X 24 00 04 13.6–.50 28.08N–.06 140.12E–.09 450 3.8b 67 2-151
JMA X 24 00 04 11.4–.30 28.12N 140.38E 446–5 4.6 **¶601848544**
ISCJB X 24 00 04 12.4–.45 28.16N–.04 140.11E–.08 450 3.8b
IDC X 24 00 04 12.8–1.3 27.99N 139.87E 432–12 4.3,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=8.0.
IDC Error ellipse: s-maj=12.9km s-min=11.3km az=98.0.
IDC X 24 11 59 45.5–5.5 26.95N 143.75E 0 3.8,3.7L
¶601999487
IDC Error ellipse: s-maj=199.4km s-min=24.8km az=75.0.
ISC X 25 11 05 04.9–.85 28.26N–.08 140.2E–.10 400 3.3b 32 2-122
ISCJB X 25 11 05 03.7–.47 28.19N–.04 140.08E–.08 400 3.3b **¶601999596**
JMA X 25 11 05 04.6–.20 28.21N 140.15E 396–4 3.8
IDC X 25 11 05 04.9–1.7 28.13N 139.90E 400–19 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.3km az=162.9.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=27.8km s-min=13.2km az=86.0.
ISC X 25 20 05 36.0–2.1 26.9N–.10 143.2E–.40 35 3.9b 9 11-59
IDC X 25 20 05 32.2–2.5 26.74N 142.89E 0 3.7,3.6 **¶601999643**
ISCJB X 25 20 05 34.7–2.0 26.8N–.10 143.0E–.40 33 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 17 11 56.7–1.5 28.6N–.10 142.6E–.30 34 4.0b 14 9-85
IDC X 28 17 11 51.4–1.5 28.54N 142.76E 0 4.0,3.8 **¶602000110**
ISC Event type ke.
IDC Error ellipse: s-maj=51.5km s-min=16.9km az=80.0.
IDC X 29 01 13 16.1–14 26.20N 141.79E 0 3.9,3.8
¶602000180
IDC Error ellipse: s-maj=408.2km s-min=103.4km az=0.0.
ISC X 29 18 29 52.6–1.8 26.7N–.10 143.9E–.40 31 3.9b 8 11-52
IDC X 29 18 29 48.0–1.8 26.58N 143.91E 0 3.8,3.7L **¶602000334**
ISCJB X 29 18 29 50.5–1.5 26.6N–.10 144.0E–.40 31 3.7b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC X 31 08 01 52.5–1.0 27.7N–.10 140.8E–.20 500 3.0b 14 1-51
IDC X 31 08 00 56.5–9.7 28.51N 142.91E 0 3.6,3.5 **¶602000593**
ISCJB X 31 08 01 51.5–.65 27.67N–.07 140.7E–.20 500 2.9b,3.5
JMA X 31 08 01 54.5–.10 27.91N 140.75E 475 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=356.5km s-min=31.5km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=24.2km s-min=9.2km az=170.2.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
ISC X 31 20 01 26.9–.63 27.39N–.07 140.6E–.10 400 3.7b 40 1-151
ISCJB X 31 20 01 24.9–.50 27.39N–.05 140.9E–.10 400 3.5b **¶601874278**
IDC X 31 20 01 24.7–.68 27.25N 140.31E 368–6 4.0,3.5
JMA X 31 20 01 26.8–.20 27.49N 140.73E 380–4 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.6km az=164.2.
IDC Error ellipse: s-maj=17.7km s-min=10.3km az=84.0.
JMA Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0.
ISC XI 01 22 59 11.8–.82 27.6N–.20 139.8E–.20 479 3.7b 16 2-82
ISCJB XI 01 22 59 10.7–.64 27.6N–.10 139.8E–.10 479 3.5b **¶602388694**
IDC XI 01 22 59 12.7–1.3 27.60N 139.92E 501–22 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=12.8km az=33.4.
IDC Error ellipse: s-maj=52.4km s-min=13.0km az=78.0.
ISC XI 04 11 24 08.5–1.2 27.17N–.09 143.50E–.10 35 3.4b 15 1-80
IDC XI 04 11 24 03.7–1.2 27.11N 143.54E 0 3.8,3.6L **¶602388801**
ISCJB XI 04 11 24 05.0–1.0 27.31N–.07 143.67E–.09 33 3.5b,3.6L
JMA XI 04 11 24 05.3–.40 27.22N 143.55E 10 3.5b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=26.2km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.3km az=36.5.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC XI 04 19 51 41.6–1.2 26.5N–.10 143.8E–.10 38 3.7b 9 2-58
IDC XI 04 19 51 36.6–1.2 26.39N 143.69E 0 3.8,3.6 **¶602388822**
ISCJB XI 04 19 51 39.8–1.0 26.4N–.10 143.8E–.10 38 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 05 05 58 21.3–.72 28.92N–.07 139.5E–.10 423 3.2b 24 3-96
ISCJB XI 05 05 58 20.4–.52 28.87N–.04 139.28E–.09 423 3.2b **¶602388842**
JMA XI 05 05 58 21.1–.20 28.97N 139.71E 443 3.6
IDC XI 05 05 58 21.2–.75 28.88N 139.50E 426–9 3.7,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=163.6.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=19.8km s-min=11.2km az=72.0.
ISC XI 05 16 45 37.8–.96 26.9N–.10 143.8E–.10 35 3.7b 14 1-149
IDC XI 05 16 45 32.1–.87 26.84N 143.97E 0 4.0L,3.9 **¶602388877**
ISCJB XI 05 16 45 35.4–.80 26.9N–.10 143.86E–.09 33 3.7b,2.6s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 06 12 13 43.6–.43 28.73N–.04 142.64E–.07 25 4.4b 183 2-149
NIED XI 06 12 13 00 28.70N 142.60E 5 4.3W **¶601875525**
IDC XI 06 12 13 39.8–.51 28.71N 142.64E 0 4.3,4.2
BJI XI 06 12 13 40.7 28.53N 142.87E 35 4.9b,4.7b
ISCJB XI 06 12 13 41.9–.26 28.78N–.02 142.58E–.05 25 4.4b,3.6s
JMA XI 06 12 13 41.7–.10 28.74N 142.56E 45 4.6,3.6s
MOS XI 06 12 13 43.3–1.1 28.71N 142.62E 36 4.7b,3.6s
NEIC XI 06 12 13 43.6–1.5 28.67N 142.68E 27–10 4.6b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ34.00000°,λ116.00000°. NP2:ϕ_s333.00000°,δ60.00000°,λ74.00000°. $M_0$3.40000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=11.2km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=174.9.
MOS Error ellipse: s-maj=13.0km s-min=6.0km az=111.1.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=98.0.
ISC XI 10 13 34 13.6–1.3 26.1N–.10 143.1E–.20 35 4.2b 10 1-79
JMA XI 10 13 34 06.5–.40 26.12N 143.38E 0 4.0 **¶602389152**
ISCJB XI 10 13 34 10.7–1.1 26.2N–.10 143.4E–.10 33 3.8b
IDC XI 10 13 34 10.1–1.9 26.07N 142.72E 0 4.0,3.8
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=8.7km az=140.8.
IDC Error ellipse: s-maj=64.0km s-min=23.0km az=81.0.
ISC XI 11 00 20 01.4–.62 26.03N–.07 142.8E–.10 36 4.0b 41 1-150
NIED XI 11 00 19 00 26.10N 143.10E 8 4.0W **¶601991675**
JMA XI 11 00 19 56.3–.30 26.06N 143.11E 0 4.2
IDC XI 11 00 19 56.0–.63 26.03N 142.72E 0 4.1,4.0
ISCJB XI 11 00 19 59.4–.49 25.99N–.05 142.8E–.10 36 4.0b,2.9s
NEIC XI 11 00 19 59.4–2.8 26.03N 142.69E 21–19 4.4b,2.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s108.00000°,δ24.00000°,λ-13.00000°. NP2:ϕ_s211.00000°,δ85.00000°,λ-113.00000°. $M_0$1.09000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=20.5km s-min=12.5km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.9km az=165.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.9km az=103.0.
ISC XI 12 02 15 42.2–1.9 28.29N–.07 142.6E–.40 25 3.9b 11 1-77
IDC XI 12 02 15 38.2–1.9 28.28N 142.72E 0 4.1,4.0L **¶602389265**
ISCJB XI 12 02 15 40.0–1.4 28.33N–.06 142.8E–.30 25 3.9b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 14 14 17 15.9–1.1 26.64N–.06 141.95E–.07 34–3 4.1b 28 0-84
ISCJB XI 14 14 17 14.5–.60 26.54N–.05 142.1E–.30 42–6 4.1b,3.2s **¶601991976**
IDC XI 14 14 17 14.4–6.4 26.56N 142.08E 25–44 4.1,4.0
NEIC XI 14 14 17 14.5–1.5 26.54N 142.01E 26–12 4.1b,4.0
JMA XI 14 14 17 15.6–.10 26.59N 142.19E 44 3.9,4.0
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=40.0km s-min=8.5km az=0.7.
IDC Error ellipse: s-maj=36.8km s-min=11.6km az=97.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=7.3km az=89.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC XI 15 01 30 40.0–.41 27.52N–.04 140.21E–.05 501–4 4.4b 434 2-151
NIED XI 15 01 30 00 27.80N 140.70E 460 4.5W **¶601901492**
ISCJB XI 15 01 30 38.5–.24 27.51N–.02 140.06E–.03 489–2 4.4b
NEIC XI 15 01 30 39.6–.33 27.49N 140.05E 493–3 4.4b
JMA XI 15 01 30 40.3–.10 27.76N 140.72E 499 4.6
IDC XI 15 01 30 40.0–.53 27.50N 140.06E 500–5 4.8,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ36.00000°,λ-77.00000°. NP2:ϕ_s330.00000°,δ55.00000°,λ-99.00000°. $M_0$7.47000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=29.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=119.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=8.0km s-min=6.0km az=83.0.
IDC XI 18 01 40 32.2–1.2 27.43N 140.23E 444–20 3.9,3.3
¶602389594
IDC Error ellipse: s-maj=64.0km s-min=22.8km az=91.0.
IDC XI 19 14 02 01.8–6.8 26.87N 143.89E 0 3.8L,3.7
¶602389671
IDC Error ellipse: s-maj=277.1km s-min=23.8km az=75.0.
ISC XI 20 08 19 50.9–1.5 27.0N–.10 143.9E–.10 35 3.5b 12 2-52
IDC XI 20 08 19 45.0–7.5 27.03N 144.30E 0 4.2L,3.8 **¶602389728**
ISCJB XI 20 08 19 47.8–1.0 27.12N–.07 143.99E–.09 33 3.6b,3.8
JMA XI 20 08 19 48.7–.10 27.11N 143.92E 63 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=286.2km s-min=25.6km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=8.6km az=38.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 20 22 49 22.6–1.2 28.0N–.10 142.3E–.30 25 3.9b 11 9-77
NIED XI 20 22 49 00 28.00N 143.00E 5 3.8W **¶602389757**
IDC XI 20 22 49 18.6–1.1 27.96N 142.33E 0 4.0,3.9b
ISCJB XI 20 22 49 20.3–.97 28.0N–.10 142.4E–.30 25 3.9b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ18.00000°,λ53.00000°. NP2:ϕ_s28.00000°,δ76.00000°,λ101.00000°. $M_0$6.58000×10^{14}
ISCJB Event type ke.
ISC XI 21 07 02 52.4–1.2 28.17N–.06 142.4E–.20 25 3.9b 22 1-57
NIED XI 21 07 02 00 28.20N 142.70E 5 4.0W **¶602389775**
IDC XI 21 07 02 48.7–1.4 28.11N 142.53E 0 3.8,3.8L
JMA XI 21 07 02 49.5–.10 28.21N 142.71E 33 4.2,3.8L
ISCJB XI 21 07 02 50.2–.84 28.24N–.03 142.4E–.20 25 3.8b,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ13.00000°,λ27.00000°. NP2:ϕ_s14.00000°,δ84.00000°,λ101.00000°. $M_0$9.76000×10^{14}
ISCJB Event type ke.
ISC XI 22 19 30 12.7–.69 27.8N–.10 138.4E–.10 550 3.3b 22 3-59
JMA XI 22 19 30 10.7–.20 27.74N 138.37E 575 3.4 **¶602389850**
ISCJB XI 22 19 30 11.6–.49 27.74N–.08 138.26E–.08 550 3.3b
IDC XI 22 19 30 11.5–1.4 27.66N 137.97E 519–34 3.8,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.7km az=37.7.
IDC Error ellipse: s-maj=64.2km s-min=12.1km az=67.0.
ISC XI 23 03 50 17.1–.91 27.1N–.20 140.4E–.20 400 12 2-83
ISCJB XI 23 03 50 15.7–.80 27.1N–.20 140.4E–.20 400 3.8b **¶602389865**
IDC XI 23 03 50 15.8–.75 27.21N 140.19E 378–8 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=16.1km az=41.5.
IDC Error ellipse: s-maj=21.1km s-min=16.9km az=73.0.
ISC XI 25 15 00 26.2–1.0 28.26N–.05 143.4E–.10 35 4.0b 36 2-77
IDC XI 25 15 00 22.7–1.9 28.17N 143.53E 0 3.9,3.8 **¶601994392**
NEIC XI 25 15 00 26.9–.92 28.13N 143.48E 35 4.5b,3.8
JMA XI 25 15 00 28.4 28.35N 142.53E 5–2 4.0,3.8
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=21.5km az=87.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.0km az=81.0.
JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
ISC XI 26 10 49 56.7–.44 28.76N–.05 139.94E–.08 424 3.9b 83 3-152
ISCJB XI 26 10 49 55.4–.28 28.73N–.03 139.98E–.06 424 3.9b **¶601994535**
IDC XI 26 10 49 55.9–.52 28.66N 139.91E 412–6 4.4,3.7
JMA XI 26 10 49 56.5–.30 28.80N 140.23E 424–5 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=177.1.
IDC Error ellipse: s-maj=12.1km s-min=7.1km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISC XI 28 06 02 02.6–1.0 26.57N–.09 142.4E–.30 31 4.2b,4.1s 15 1-150
IDC XI 28 06 01 57.9–.95 26.53N 142.39E 0 4.2,4.1b **¶601994969**
ISCJB XI 28 06 02 00.7–1.0 26.53N–.08 142.4E–.30 31 4.1b,3.8s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 28 06 50 13.2–1.7 26.66N 144.01E 0 3.7,3.6
¶602390094
IDC Error ellipse: s-maj=46.6km s-min=20.4km az=60.0.
ISC XI 28 15 07 42.4–.52 27.34N–.03 143.23E–.04 44–4 5.0b,4.0s 587 1-150
NIED XI 28 15 07 00 27.40N 143.00E 5 4.8W,4.0s **¶601995053**
ISCJB XI 28 15 07 36.6–.93 27.25N–.02 143.25E–.03 15–6 5.0b,4.0s
IDC XI 28 15 07 36.4–.41 27.21N 143.25E 0 4.8,4.8
MOS XI 28 15 07 38.1–.92 27.23N 143.29E 24 5.3b,4.8
BJI XI 28 15 07 42.9 27.28N 142.98E 55 5.1b,5.0b
NEIC XI 28 15 07 43.1–.68 27.24N 143.19E 54–6 5.1b,5.0b
JMA XI 28 15 07 44.3–.10 27.35N 142.98E 81 5.3,5.0b
GCMT XI 28 15 07 45.1–.30 27.41N–.02 143.16E–.02 38–1 5.0W,5.0b

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ30.00000°,λ99.00000°. NP2:ϕ_s356.00000°,δ61.00000°,λ85.00000°. $M_0$1.69000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in the Chichijima-retto.
JMA Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c42; s77,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.85±.17 $M_{\theta\theta}$0.20±.12; $M_{\phi\phi}$-2.05±.12; $M_{r\theta}$-0.67±.11; $M_{\theta\phi}$-1.77±.07; $M_{\phi r}$2.09±.12; Best double couple: NP1:ϕ_s358.00000°,δ69.00000°,λ56.00000°. NP2:ϕ_s241.00000°,δ39.00000°,λ146.00000°. Principal axes: T 3.3640,Plg53.0000° ,Azm227.0000°; N 0.1300,Plg32.0000°,Azm11.0000°; P -3.4970,Plg17.0000°,Azm113.0000° $M_0$3.43100×10^{16}

ISC	**XI**	**29 20 11 19.8–.93**	**26.81N–.09**	**143.8E–.10**	**35**	**3.7b**	**17**	**1-149**	
IDC	XI	29 20 11 14.1–.89	26.66N	143.87E	0	4.0,4.0s			¶602390188
ISCJB	XI	29 20 11 17.1–.75	26.67N–.09	143.83E–.09	33	4.0s,3.7b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**02 03 02 00.8–.56**	**27.82N–.05**	**139.99E–.06**	**492–5**	**4.2b**	**258**	**2-152**	
MOS	XII	02 03 01 59.7–.74	27.78N	139.81E	492	4.3b			¶601995732
ISCJB	XII	02 03 02 00.1–.30	27.83N–.03	139.95E–.04	495–3	4.1b			
IDC	XII	02 03 02 01.6–.91	27.87N	139.83E	495–9	4.4,3.7			
NEIC	XII	02 03 02 01.3–.37	27.77N	139.91E	500–4	4.2b,3.7			
JMA	XII	02 03 02 02.0–.20	28.07N	140.16E	487	4.5,3.7			
ISC	Event type se.								
MOS	Error ellipse: s-maj=10.5km s-min=5.8km az=109.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=5.6.								
IDC	Error ellipse: s-maj=11.1km s-min=7.3km az=101.0.								
NEIC	Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=121.0.								
JMA	Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.								
ISC	**XII**	**02 03 08 45.2–.59**	**27.67N–.06**	**142.0E–.20**	**39**	**4.1b**	**46**	**1-91**	
ISCJB	XII	02 03 08 43.9–.35	27.62N–.05	141.8E–.10	39	4.1b			¶602059829
NEIC	XII	02 03 08 46.3–.68	27.55N	141.93E	50–6	4.3b			
JMA	XII	02 03 08 47.2–.10	27.56N	142.37E	40	4.2			
IDC	XII	02 03 08 47.8–4.1	27.57N	141.89E	62–35	4.0,4.0			
ISC	Event type se.								
ISCJB	Event type fe. Error ellipse: s-maj=17.5km s-min=4.5km az=161.8.								
NEIC	Event type se. Error ellipse: s-maj=15.9km s-min=7.0km az=78.0.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.								
IDC	Error ellipse: s-maj=33.9km s-min=17.0km az=93.0.								
IDC	**XII**	**02 13 05 49.4–4.4**	**28.43N**	**141.57E**	**139–42**	**3.4,3.1**			
									¶602390352
IDC	Error ellipse: s-maj=121.2km s-min=19.4km az=76.0.								
ISC	**XII**	**04 16 49 55.8–.62**	**27.63N–.08**	**140.5E–.20**	**479**	**3.4b**	**30**	**2-151**	
ISCJB	XII	04 16 49 53.9–.46	27.57N–.06	140.5E–.20	479	3.4b			¶602390463
IDC	XII	04 16 49 54.6–2.4	27.51N	140.16E	460–27	3.9,3.2			
JMA	XII	04 16 49 56.4–.10	27.88N	140.79E	460	4.3,3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=18.5km s-min=7.3km az=167.0.								
IDC	Error ellipse: s-maj=26.0km s-min=10.2km az=87.0.								
JMA	Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.								
ISC	**XII**	**06 15 09 35.3–.90**	**26.0N–.10**	**142.7E–.20**	**36**	**3.8b**	**15**	**11-85**	
IDC	XII	06 15 09 29.8–.77	25.97N	142.75E	0	4.0,3.8			¶602390556
ISCJB	XII	06 15 09 33.4–.68	26.01N–.10	142.7E–.20	36	3.7b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**07 10 53 34.8–.86**	**28.4N–.10**	**139.9E–.10**	**400**	**3.3b**	**18**	**5-152**	
IDC	XII	07 10 53 32.4–1.7	28.09N	139.84E	376–18	3.9,3.3			¶602090153
ISCJB	XII	07 10 53 34.7–1.1	28.5N–.10	139.8E–.20	400	3.3b,3.3			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**07 17 53 25.9–.59**	**28.70N–.08**	**142.02E–.09**	**36**	**4.3b**	**59**	**2-150**	
IDC	XII	07 17 53 20.5–.70	28.71N	142.04E	0	4.0,3.9			¶602330325
NEIC	XII	07 17 53 22.5–2.4	28.70N	142.07E	13–15	4.8b,3.9			
ISCJB	XII	07 17 53 24.1–.40	28.76N–.05	142.00E–.08	36	4.8s,4.3b			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XII**	**14 19 15 17.5–.55**	**28.96N–.05**	**142.64E–.08**	**27**	**4.4b**	**100**	**2-85**	
IDC	XII	14 19 15 13.2–.84	28.84N	142.67E	0	4.1,4.0			¶602355611
ISCJB	XII	14 19 15 16.0–.33	29.01N–.03	142.56E–.05	27	4.3b,3.4s			
NEIC	XII	14 19 15 18.6–.27	28.89N	142.63E	35	4.7b,3.4s			
JMA	XII	14 19 15 20.2–.40	29.42N	143.17E	117	3.7,3.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=24.7km s-min=16.8km az=86.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=169.9.								
NEIC	Event type se. Error ellipse: s-maj=6.0km s-min=5.0km az=98.0.								
JMA	Error ellipse: s-maj=4.4km s-min=7.7km az=-1.0.								
ISC	**XII**	**16 03 45 58.0–1.2**	**28.1N–.20**	**139.6E–.30**	**507**	**3.1b**	**7**	**8-76**	
ISCJB	XII	16 03 45 56.6–1.1	28.1N–.20	139.7E–.30	507	3.1b			¶602391441
IDC	XII	16 03 45 58.3–2.9	28.12N	139.64E	510–33	3.6,2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=32.8km s-min=20.8km az=178.3.								
IDC	Error ellipse: s-maj=27.7km s-min=20.1km az=94.0.								
ISC	**XII**	**16 06 11 08.2–.91**	**28.4N–.10**	**140.1E–.10**	**500**	**3.2b**	**28**	**2-81**	
ISCJB	XII	16 06 11 07.0–.60	28.36N–.06	140.2E–.10	500	3.3b			¶602391450
JMA	XII	16 06 11 08.2–.10	28.40N	140.22E	486	3.7			
IDC	XII	16 06 11 17.4–2.2	29.23N	139.75E	544–24	3.7,3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.6km s-min=7.2km az=162.2.								
JMA	Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.								
IDC	Error ellipse: s-maj=19.6km s-min=19.1km az=154.0.								
ISC	**XII**	**17 00 52 23.4–.67**	**26.86N–.07**	**143.78E–.07**	**35**	**4.3b**	**54**	**1-80**	
IDC	XII	17 00 52 18.5–1.0	26.86N	143.96E	0	4.2,4.0			¶602347529
NEIC	XII	17 00 52 19.6–.38	26.76N	143.98E	10	4.6b,4.0			
ISCJB	XII	17 00 52 21.5–.43	26.90N–.06	143.85E–.04	33	4.2b,4.0			
JMA	XII	17 00 52 24.3–.20	26.99N	143.55E	90	3.8,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=21.9km s-min=21.2km az=157.0.								
NEIC	Event type se. Error ellipse: s-maj=9.3km s-min=8.3km az=85.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=171.6.								
JMA	Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.								
ISC	**XII**	**19 09 22 50.8–.96**	**26.91N–.09**	**143.69E–.09**	**35**	**4.0b**	**47**	**1-77**	
IDC	XII	19 09 22 46.0–1.2	26.72N	143.61E	0	4.1,4.1L			¶602355648
ISCJB	XII	19 09 22 47.4–.57	26.96N–.05	143.91E–.06	33	4.0b,3.2s			
NEIC	XII	19 09 22 47.2–.47	26.77N	143.67E	10	4.0b,3.2s			
JMA	XII	19 09 22 48.8–.20	27.07N	143.78E	64	3.8,3.2s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.7km s-min=18.8km az=78.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=6.8km az=24.0.								
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=6.4km az=75.0.								
JMA	Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.								
ISC	**XII**	**21 10 32 13.5–.54**	**27.73N–.06**	**140.66E–.09**	**250**	**3.8b**	**58**	**1-88**	
ISCJB	XII	21 10 32 12.0–.34	27.68N–.04	140.67E–.06	250	3.7b			¶602090222
IDC	XII	21 10 32 12.9–1.1	27.62N	140.40E	241–10	4.2,3.7			
JMA	XII	21 10 32 14.1–.20	27.82N	141.08E	248	4.6,3.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=160.2.								
IDC	Error ellipse: s-maj=15.2km s-min=10.4km az=77.0.								
JMA	Error ellipse: s-maj=3.3km s-min=7.9km az=-1.0.								
ISC	**XII**	**23 16 05 17.2–1.1**	**28.5N–.10**	**139.7E–.30**	**448**	**3.2b**	**11**	**8-76**	
ISCJB	XII	23 16 05 15.9–.95	28.4N–.10	139.7E–.30	448	3.2b			¶602391929
IDC	XII	23 16 05 16.5–2.5	28.41N	139.72E	436–29	3.7,2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=36.3km s-min=14.4km az=171.4.								
IDC	Error ellipse: s-maj=30.5km s-min=12.4km az=82.0.								
ISC	**XII**	**25 19 28 10.8–.63**	**28.99N–.08**	**139.6E–.10**	**500**	**3.5b**	**24**	**3-81**	
ISCJB	XII	25 19 28 09.5–.45	28.99N–.07	139.6E–.10	500	3.4b			¶602380599
JMA	XII	25 19 28 09.5–.10	29.04N	139.61E	495	3.4b			
IDC	XII	25 19 28 10.8–2.1	28.94N	139.26E	487–26	3.9,3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=16.3km s-min=6.9km az=155.1.								
JMA	Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.								
IDC	Error ellipse: s-maj=27.6km s-min=11.2km az=83.0.								
ISC	**XII**	**26 14 01 53.2–.69**	**26.28N–.08**	**141.0E–.10**	**426**	**3.6b**	**32**	**1-86**	
ISCJB	XII	26 14 01 51.9–.52	26.29N–.05	141.0E–.10	426	3.6b			¶602380644
IDC	XII	26 14 01 53.4–1.8	26.12N	140.68E	425–20	4.1,3.4			
JMA	XII	26 14 01 53.6–.10	26.50N	141.57E	426	4.4,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.3km s-min=6.5km az=172.1.								
IDC	Error ellipse: s-maj=17.7km s-min=10.8km az=95.0.								
JMA	Error ellipse: s-maj=3.3km s-min=6.0km az=-1.0.								
ISC	**XII**	**26 23 36 30.6–.43**	**28.43N–.04**	**142.09E–.07**	**36**	**4.3b**	**107**	**1-155**	
JMA	XII	26 23 36 27.9–.20	28.60N	142.49E	24	5.0			¶602059076
ISCJB	XII	26 23 36 29.6–.24	28.46N–.03	141.91E–.05	36	4.3b,3.8s			
IDC	XII	26 23 36 32.6–1.4	28.37N	141.90E	57–12	4.1,4.1			
NEIC	XII	26 23 36 33.8–.81	28.37N	141.90E	65–7	4.3b,4.1			
ISC	Event type se.								
JMA	Error ellipse: s-maj=1.1km s-min=6.8km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.5km s-min=3.4km az=168.0.								
IDC	Error ellipse: s-maj=15.1km s-min=11.8km az=85.0.								
NEIC	Event type se. Error ellipse: s-maj=8.1km s-min=6.7km az=92.0.								
ISC	**XII**	**28 23 25 20.8–.94**	**27.94N–.08**	**142.6E–.20**	**25**	**3.6b**	**15**	**1-86**	
IDC	XII	28 23 25 16.9–.85	27.91N	142.68E	0	3.8,3.7			¶602380804
ISCJB	XII	28 23 25 18.9–.81	27.98N–.07	142.8E–.20	25	3.7s,3.6b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**30 22 48 07.7–.69**	**28.26N–.09**	**139.2E–.10**	**524**	**3.2b**	**22**	**3-82**	
ISCJB	XII	30 22 48 06.5–.49	28.18N–.07	139.0E–.10	524	3.5b			¶602380914
IDC	XII	30 22 48 08.2–2.0	28.17N	138.98E	531–23	3.8,3.1			
JMA	XII	30 22 48 09.4–.10	28.42N	139.51E	529	3.6,3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.8km s-min=8.1km az=158.1.								
IDC	Error ellipse: s-maj=23.2km s-min=12.3km az=91.0.								
JMA	Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.								
ISC	**XII**	**31 22 26 33.7–1.0**	**27.6N–.10**	**139.8E–.30**	**10**	**3.8b**	**9**	**9-82**	
ISCJB	XII	31 22 26 31.8–.81	27.6N–.10	139.8E–.30	10	3.8b			¶602380521
IDC	XII	31 22 26 32.1–.88	27.59N	139.79E	0	4.0,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=37.0km s-min=15.2km az=178.9.								
IDC	Error ellipse: s-maj=44.2km s-min=19.1km az=91.0.								

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JMA	**VII**	**01 00 31 08.4–.20**	**25.72N**	**140.90E**	**0**	**4.2**			
									¶603632435
ISC	**VII**	**01 04 04 19.8–.90**	**25.4N–.10**	**142.7E–.20**	**38**	**3.8b**	**18**	**1-85**	
IDC	VII	01 04 04 14.3–.86	25.44N	142.77E	0	3.9,3.7			¶601513143
ISCJB	VII	01 04 04 18.0–.67	25.33N–.06	142.7E–.20	38	3.8b,3.7			
JMA	VII	01 04 04 18.6	25.56N	142.71E	4	3.7,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=31.1km s-min=16.8km az=82.0.								
ISCJB	Event type ke. Error ellipse: s-maj=25.7km s-min=8.0km az=169.5.								
ISC	**VII**	**01 19 26 27.5–1.0**	**25.4N–.10**	**142.7E–.30**	**38**	**3.7b**	**12**	**2-150**	
IDC	VII	01 19 26 22.2–.87	25.42N	142.67E	0	3.8,3.7			¶601663372
ISCJB	VII	01 19 26 25.1–.93	25.34N–.09	142.9E–.30	38	3.6b,3.7			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VII**	**01 22 15 18.7–.75**	**22.00N–.09**	**143.1E–.20**	**35**	**4.0b**	**19**	**5-150**	
IDC	VII	01 22 15 13.5–.69	22.01N	143.11E	0	4.2L,4.1			¶601663380
ISCJB	VII	01 22 15 16.7–.61	22.01N–.06	143.0E–.20	33	3.9b,4.1			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VII**	**02 19 54 03.4–1.4**	**25.7N–.10**	**141.9E–.40**	**35**	**3.5b**	**8**	**1-79**	
IDC	VII	02 19 53 58.5–1.2	25.75N	141.87E	0	3.9,3.7			¶601663408
ISCJB	VII	02 19 54 01.8–.98	25.70N–.09	141.7E–.30	33	3.6s,3.5b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VII**	**03 09 37 12.1–.75**	**25.75N–.08**	**142.5E–.20**	**36**	**4.0b,3.1s**	**18**	**1-85**	
NIED	VII	03 09 37 00	25.80N	142.80E	5	4.1W,3.1s			¶601663428
ISCJB	VII	03 09 37 10.4–.59	25.78N–.07	142.4E–.20	36	3.9b,3.1s			
IDC	VII	03 09 37 13.3–2.2	25.83N	142.42E	46–21	3.9,3.8			
ISC	Event type ke.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ14.00000°,λ93.00000°. NP2:ϕ_s12.00000°,δ76.00000°,λ89.00000°. $M_0$1.59000×10^{15}								
ISCJB	Event type ke. Error ellipse: s-maj=24.6km s-min=10.0km az=175.4.								
IDC	Error ellipse: s-maj=29.3km s-min=13.9km az=89.0.								
IDC	**VII**	**03 09 48 42.2–2.5**	**24.65N**	**141.62E**	**237–76**	**3.8,3.4**			
									¶601663430
IDC	Error ellipse: s-maj=203.7km s-min=15.7km az=74.0.								
IDC	**VII**	**09 13 49 34.2–7.4**	**22.34N**	**143.61E**	**0**	**3.7,3.7**			
									¶601664334
IDC	Error ellipse: s-maj=300.0km s-min=28.0km az=77.0.								
ISC	**VII**	**12 11 42 55.5–.91**	**23.1N–.10**	**142.4E–.20**	**100**	**3.7b**	**14**	**4-147**	
ISCJB	VII	12 11 42 53.7–.79	23.19N–.08	142.2E–.20	100	3.6b			¶601664483
IDC	VII	12 11 42 58.0–2.5	23.30N	142.29E	121–20	3.7,3.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=25.4km s-min=11.8km az=1.0.								
IDC	Error ellipse: s-maj=24.2km s-min=17.7km az=94.0.								
ISC	**VII**	**14 08 36 28.9–.90**	**22.45N–.09**	**143.0E–.20**	**150**	**3.5b**	**14**	**5-83**	
ISCJB	VII	14 08 36 27.2–.69	22.46N–.07	142.9E–.20	150	3.5b			¶601664559
IDC	VII	14 08 36 30.0–2.1	22.52N	142.96E	160–18	3.7,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=26.4km s-min=9.5km az=178.2.								
IDC	Error ellipse: s-maj=25.1km s-min=12.4km az=92.0.								
ISC	**VII**	**20 06 50 16.9–.52**	**24.65N–.04**	**141.65E–.05**	**115–4**	**4.9b**	**657**	**2-152**	
BJI	VII	20 06 50 13.6	24.55N	142.05E	128	5.3b,4.9b			¶601451964
IDC	VII	20 06 50 15.8–.63	24.65N	141.41E	107–5	4.9,4.7			
JMA	VII	20 06 50 16.2	24.98N	140.92E	96	5.1,4.7			
ISCJB	VII	20 06 50 16.1–.55	24.68N–.03	141.55E–.02	113–4	4.9b,4.7			
NEIC	VII	20 06 50 18.5–.67	24.65N	141.52E	124–6	4.9b,4.7			
MOS	VII	20 06 50 19.0–1.2	24.66N	141.36E	146	4.9b,4.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=12.7km s-min=8.1km az=91.0.								
JMA	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=162.0.								
NEIC	Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=136.0. Recorded [1 JMA] in the Hahajima-retto.								
MOS	Error ellipse: s-maj=9.0km s-min=5.3km az=102.6.								
JMA	**VII**	**22 07 02 36.3–.10**	**23.80N**	**142.17E**	**163–5**	**4.7**			
									¶603644269
JMA	Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.								
ISC	**VII**	**23 18 22 18.2–.74**	**22.08N–.09**	**143.9E–.30**	**150**	**3.9b**	**25**	**5-149**	
ISCJB	VII	23 18 22 16.6–.77	21.98N–.08	144.0E–.30	150	3.8b			¶601666328
IDC	VII	23 18 22 16.7–1.0	21.98N	144.10E	135–7	4.0,3.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=35.9km s-min=10.1km az=169.6.								
IDC	Error ellipse: s-maj=29.0km s-min=10.6km az=78.0.								
ISC	**VII**	**27 11 15 42.1–.50**	**23.62N–.04**	**142.82E–.07**	**67–3**	**4.8b**	**219**	**3-151**	
MOS	VII	27 11 15 36.9–1.1	23.51N	142.76E	37	5.2b			¶601479302
JMA	VII	27 11 15 38.6–.10	23.53N	142.92E	136	5.0			
NEIC	VII	27 11 15 39.8–1.1	23.54N	142.90E	46–9	4.7b			
IDC	VII	27 11 15 39.0–1.9	23.47N	142.82E	43–16	4.5,4.3L			
ISCJB	VII	27 11 15 41.5–1.1	23.78N–.05	142.84E–.05	67–8	4.6b,4.3L			
BJI	VII	27 11 15 47.2	23.93N	142.59E	105	4.8b,4.7b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=12.4km s-min=5.4km az=115.9.								
JMA	Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=126.0.								
IDC	Error ellipse: s-maj=17.4km s-min=11.5km az=88.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=6.1km az=41.4.								
IDC	**VIII**	**04 18 14 03.7–7.8**	**22.05N**	**143.55E**	**220–75**	**3.4,3.1**			
									¶601765461

IDC Error ellipse: s-maj=43.1km s-min=14.0km az=81.0.
IDC VIII 05 22 31 07.8–4.6 22.97N 141.52E 0 4.0,4.0
¶601765523

IDC Error ellipse: s-maj=175.6km s-min=71.4km az=26.0.
IDC VIII 06 16 11 51.7–15 22.20N 143.31E 376–113 3.6,3.0
¶601765562

IDC Error ellipse: s-maj=325.6km s-min=17.8km az=77.0.
ISC VIII 08 20 05 54.9–1.2 22.23N–.09 143.1E–.30 250 3.3b 15 5-146
ISCJB VIII 08 20 05 53.1–1.4 22.16N–.07 143.2E–.40 250 3.4b **¶601765669**
IDC VIII 08 20 05 53.5–1.8 22.11N 142.84E 226–17 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=54.3km s-min=9.5km az=176.1.
IDC Error ellipse: s-maj=37.6km s-min=11.5km az=80.0.
IDC VIII 09 12 23 47.3–8.8 24.09N 140.85E 74–115 3.9L,3.4
¶601765700

IDC Error ellipse: s-maj=120.0km s-min=29.9km az=77.0.
ISC VIII 14 17 24 24.4–1.2 23.78N–.07 142.0E–.20 150 3.7b 31 3-81
IDC VIII 14 17 24 19.9–2.0 23.48N 141.92E 105–21 4.1,3.8 **¶601765844**
JMA VIII 14 17 24 22.2–.10 23.72N 141.79E 163–2 4.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=12.4km az=85.0.
JMA Error ellipse: s-maj=2.2km s-min=5.1km az=-1.0.
ISC VIII 15 21 01 10.3–1.1 25.62N–.10 140.6E–.10 150 3.1b 11 2-60
ISCJB VIII 15 21 01 08.7–.89 25.55N–.09 140.5E–.10 150 3.2b **¶601765900**
IDC VIII 15 21 01 11.7–1.4 25.63N 140.92E 174–17 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=10.8km az=24.1.
IDC Error ellipse: s-maj=32.2km s-min=16.2km az=82.0.
IDC VIII 15 22 41 10.9–2.8 22.32N 143.30E 0 3.9,3.8
¶601765905

IDC Error ellipse: s-maj=110.8km s-min=22.3km az=81.0.
ISC VIII 17 07 07 24.0–1.3 22.4N–.10 143.6E–.40 118 3.8b 15 5-146
IDC VIII 17 07 07 21.0–2.9 22.29N 143.41E 87–26 3.8,3.5 **¶601765973**
ISCJB VIII 17 07 07 22.5–1.7 22.39N–.09 143.4E–.50 118 3.7b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 20 15 41 17.3–2.5 22.78N–.10 143.0E–.80 150 3.8b 8 4-82
IDC VIII 20 15 41 16.7–3.6 22.86N 143.80E 166–28 4.0,3.5 **¶601766199**
ISC Event type ke.
IDC Error ellipse: s-maj=115.5km s-min=16.2km az=82.0.
ISC VIII 23 06 14 42.4–.95 24.3N–.10 141.4E–.20 200 3.8b 23 2-83
ISCJB VIII 23 06 14 41.1–.79 24.31N–.08 141.3E–.10 200 3.8b **¶601766339**
IDC VIII 23 06 14 42.0–2.1 24.19N 141.34E 199–19 4.2,3.8
JMA VIII 23 06 14 44.8–.20 24.59N 140.39E 122 4.6,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=8.9km az=22.5.
IDC Error ellipse: s-maj=18.7km s-min=16.4km az=101.0.
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
IDC VIII 24 15 50 37.0–4.0 22.53N 144.62E 0 3.5,3.5L
¶601766404

IDC Error ellipse: s-maj=158.8km s-min=20.1km az=78.0.
IDC VIII 25 04 50 48.7–6.0 23.12N 141.75E 0 3.8,3.6
¶601766430

IDC Error ellipse: s-maj=215.8km s-min=24.0km az=74.0.
ISC VIII 25 13 48 53.4–.47 23.28N–.04 143.32E–.06 58–4 4.7b,3.3s 244 3-150
JMA VIII 25 13 48 48.2–.30 23.09N 143.60E 126–5 4.8,3.3s **¶601626195**
ISCJB VIII 25 13 48 54.2–.23 23.48N–.03 143.16E–.04 65 4.5b,3.3s
NEIC VIII 25 13 48 54.2–.15 23.15N 143.20E 65 4.7b,3.3s
BJI VIII 25 13 48 54.5 23.37N 143.35E 71 5.0b,4.8s
IDC VIII 25 13 48 54.3–.50 23.18N 143.29E 65–4 4.3,4.2
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=135.8.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.8km az=215.0.
IDC Error ellipse: s-maj=13.7km s-min=9.4km az=80.0.
IDC VIII 26 06 14 12.0–3.6 22.46N 144.47E 0 3.7,3.6
¶601766488

IDC Error ellipse: s-maj=161.6km s-min=22.9km az=80.0.
IDC VIII 26 08 35 17.6–3.3 23.50N 142.79E 0 3.8,3.7
¶601766494

IDC Error ellipse: s-maj=138.9km s-min=26.6km az=77.0.
ISC VIII 28 06 14 20.3–.51 22.03N–.06 143.1E–.10 200 4.2b 92 5-150
ISCJB VIII 28 06 14 18.6–.28 21.94N–.03 143.09E–.06 200 4.2b **¶601755500**
NEIC VIII 28 06 14 20.4–1.0 21.93N 143.10E 203–9 4.4b
IDC VIII 28 06 14 20.6–1.8 21.99N 143.09E 202–16 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=172.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=107.0.
IDC Error ellipse: s-maj=12.3km s-min=8.3km az=97.0.
IDC VIII 29 13 57 56.5–9.0 22.41N 141.84E 345–71 3.6,3.0
¶601755564

IDC Error ellipse: s-maj=160.0km s-min=15.8km az=77.0.
ISC IX 04 11 11 05.0–.85 23.88N–.08 141.9E–.20 80 4.0b 22 3-86
ISCJB IX 04 11 11 03.3–.68 23.86N–.05 141.9E–.20 80 3.8b **¶601862923**
IDC IX 04 11 11 05.5–2.2 23.89N 141.88E 83–19 3.9,3.6
JMA IX 04 11 11 07.3 24.02N 142.21E 66 4.5,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=6.4km az=10.1.
IDC Error ellipse: s-maj=26.2km s-min=13.1km az=89.0.
JMA IX 04 18 15 53.3–.20 24.14N 140.89E 112 4.5
¶606024863

JMA Error ellipse: s-maj=3.3km s-min=7.1km az=-1.0.
ISC IX 04 23 19 46.9–2.1 23.0N–.10 142.7E–.50 100 4.1b 9 4-82
ISCJB IX 04 23 19 45.6–1.8 23.01N–.09 142.5E–.50 100 4.0b **¶601862952**
IDC IX 04 23 19 47.4–2.8 23.17N 143.20E 119–25 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=59.7km s-min=12.0km az=2.3.
IDC Error ellipse: s-maj=95.9km s-min=18.7km az=78.0.
IDC IX 06 14 59 29.7–5.6 25.24N 141.52E 0 4.0,4.0
¶601863049

IDC Error ellipse: s-maj=120.6km s-min=95.8km az=96.0.
ISC IX 15 15 03 44.6–.77 22.15N–.08 143.7E–.20 105 3.9b 22 5-146
ISCJB IX 15 15 03 42.7–.68 22.15N–.07 143.9E–.20 105 3.9b **¶601863587**
IDC IX 15 15 03 43.2–.99 22.11N 143.95E 91–7 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=8.8km az=173.1.
IDC Error ellipse: s-maj=27.1km s-min=11.8km az=90.0.
ISC IX 20 08 44 23.4–.59 25.79N–.08 144.9E–.10 35 4.0b 47 3-148
IDC IX 20 08 44 18.1–.70 25.75N 144.99E 0 4.2,4.0 **¶601863879**
NEIC IX 20 08 44 19.6–.33 25.73N 144.96E 10 4.3b,4.0
ISCJB IX 20 08 44 21.3–.42 25.70N–.07 144.88E–.07 33 4.2b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 01 02 58 21.9–.58 23.40N–.06 142.3E–.10 150 4.0b 68 3-151
IDC X 01 02 58 18.5–2.0 23.21N 142.28E 120–16 4.3,4.1 **¶601834602**
NEIC X 01 02 58 19.2–1.5 23.22N 142.33E 127–13 4.6b,4.1
ISCJB X 01 02 58 22.0–.60 23.56N–.04 142.2E–.10 150 4.0b,4.1
JMA X 01 02 58 21.9–.20 23.52N 142.18E 180–2 5.4,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=12.8km az=97.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.7km az=9.7.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISC X 04 00 26 25.4–.81 22.13N–.09 142.8E–.20 250 3.5b 20 5-150
ISCJB X 04 00 26 24.0–.71 22.09N–.07 142.8E–.20 250 3.5b **¶601996989**
IDC X 04 00 26 25.2–1.7 22.13N 142.85E 248–15 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.8km s-min=9.3km az=179.5.
IDC Error ellipse: s-maj=20.0km s-min=11.2km az=89.0.
IDC X 08 22 15 21.8–3.9 22.43N 144.19E 150–33 3.7,3.3
¶601997572

IDC Error ellipse: s-maj=107.3km s-min=19.6km az=78.0.
ISC X 12 00 52 51.5–.98 22.6N–.10 143.3E–.30 35 3.8b 10 5-150
ISCJB X 12 00 52 49.2–1.2 22.67N–.09 143.2E–.30 33 3.9b **¶601997942**
IDC X 12 00 52 55.7–4.1 22.68N 143.18E 72–35 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.2km s-min=12.4km az=173.2.
IDC Error ellipse: s-maj=35.6km s-min=21.9km az=78.0.
ISC X 16 03 18 04.8–1.3 23.84N–.09 141.1E–.20 151 3.2b 18 3-48
ISCJB X 16 03 18 03.7–.90 23.77N–.06 141.3E–.20 151 3.3b **¶601998440**
JMA X 16 03 18 06.8–.10 23.93N 141.46E 165–1 5.0
IDC X 16 03 18 07.5–1.6 24.24N 142.67E 232–21 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=7.7km az=12.4.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=99.6km s-min=17.7km az=78.0.
ISC X 16 22 33 55.8–.67 23.00N–.07 141.7E–.10 200 3.9b 20 4-127
ISCJB X 16 22 33 54.2–.57 22.97N–.06 141.7E–.10 200 3.7b **¶601998583**
IDC X 16 22 33 57.1–1.3 23.09N 141.72E 216–13 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=7.9km az=178.0.
IDC Error ellipse: s-maj=20.5km s-min=8.8km az=83.0.
ISC X 18 05 11 41.3–.45 24.70N–.06 141.32E–.10 200 4.3b 106 2-151
NIED X 18 05 11 00 24.80N 141.00E 200 4.8W **¶601998754**
ISCJB X 18 05 11 40.1–.27 24.61N–.04 141.29E–.05 200 4.3b
NEIC X 18 05 11 40.3–.73 24.50N 141.25E 190–6 4.4b
IDC X 18 05 11 41.0–1.7 24.53N 141.22E 196–15 4.3,3.9
JMA X 18 05 11 42.3–.20 24.80N 140.98E 170 4.8,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ31.00000°,λ-12.00000°. NP2:ϕ_s200.00000°,δ84.00000°,λ-121.00000°. $M_0$1.91000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=22.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.1km az=107.0.
IDC Error ellipse: s-maj=13.4km s-min=8.2km az=95.0.
JMA Error ellipse: s-maj=2.2km s-min=8.1km az=-1.0.
ISC X 26 01 33 28.8–.94 24.8N–.20 141.1E–.20 250 3.5b 9 17-87
ISCJB X 26 01 33 27.4–.91 24.7N–.20 141.1E–.20 250 3.5b **¶601999676**
IDC X 26 01 33 28.8–7.2 24.75N 141.18E 250–71 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=21.7km az=155.2.
IDC Error ellipse: s-maj=24.0km s-min=16.6km az=100.0.
IDC X 30 14 50 04.2–5.4 22.34N 144.68E 0 3.6,3.4
¶602000490

IDC Error ellipse: s-maj=197.8km s-min=27.2km az=76.0.
JMA XI 04 20 36 49.6–.10 25.64N 141.43E 44 3.5
¶606056240

JMA Error ellipse: s-maj=2.2km s-min=6.0km az=-1.0.
IDC XI 08 05 55 38.5–1.8 24.74N 141.21E 181–21 3.8,3.6
¶602389019

IDC Error ellipse: s-maj=45.2km s-min=21.7km az=91.0.
ISC XI 09 11 28 00.2–1.2 24.27N–.10 140.7E–.20 150 3.6b 12 3-51
ISCJB XI 09 11 27 58.5–.90 24.15N–.09 140.9E–.20 150 3.4b **¶602389088**
IDC XI 09 11 28 02.6–1.4 24.47N 142.57E 228–61 3.6,3.1
JMA XI 09 11 28 04.8–.10 24.60N 140.78E 159 4.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.4km s-min=8.2km az=21.6.
IDC Error ellipse: s-maj=221.8km s-min=19.0km az=70.0.
JMA Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0.
IDC XI 10 20 28 08.9–1.7 23.33N 142.30E 257–23 3.7,3.1
¶602389172

IDC Error ellipse: s-maj=73.1km s-min=16.9km az=77.0.
ISC XI 17 13 53 00.9–1.1 25.51N–.09 140.9E–.10 100 3.5b 16 2-85
ISCJB XI 17 13 52 59.5–.94 25.47N–.08 140.78E–.09 100 3.6b **¶602389568**
IDC XI 17 13 53 02.4–2.3 25.43N 141.38E 129–27 3.7,3.4
JMA XI 17 13 53 03.2 25.37N 141.50E 111–1 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=8.3km az=137.0.
IDC Error ellipse: s-maj=51.9km s-min=19.7km az=79.0.
JMA Error ellipse: s-maj=2.2km s-min=5.0km az=-1.0.
ISC XI 23 10 31 13.5–.62 25.85N–.08 143.0E–.10 35 3.9b 45 1-149
NIED XI 23 10 31 00 25.60N 143.00E 5 4.2W **¶602210414**
JMA XI 23 10 31 09.5–.10 25.64N 143.00E 92 3.8
IDC XI 23 10 31 09.1–.63 25.83N 142.75E 0 4.1,4.0
NEIC XI 23 10 31 13.1–2.2 25.82N 142.72E 26–15 4.0b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ10.00000°,λ105.00000°. NP2:ϕ_s349.00000°,δ80.00000°,λ87.00000°. $M_0$2.10000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=14.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=83.0.
ISC XI 24 12 01 28.9–1.1 25.5N–.10 143.0E–.30 40 3.9b 9 2-80
IDC XI 24 12 01 23.4–1.1 25.46N 142.89E 0 3.9,3.7 **¶602389934**
ISCJB XI 24 12 01 26.7–.98 25.41N–.09 143.1E–.30 40 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 25 10 04 00.3–5.8 24.57N 141.13E 0 3.7,3.6
¶602389966

IDC Error ellipse: s-maj=230.2km s-min=32.9km az=69.0.
IDC XI 25 18 40 31.4–1.6 23.15N 142.00E 248–24 3.7,3.2
¶602389985

IDC Error ellipse: s-maj=72.9km s-min=14.7km az=80.0.
IDC XI 29 18 02 17.0–1.1 26.00N 141.58E 0 4.0,3.8
¶602390178

IDC Error ellipse: s-maj=67.7km s-min=17.0km az=108.0.
ISC XII 03 01 03 06.9–.82 25.16N–.09 141.4E–.10 200 3.8b 26 2-86
IDC XII 03 01 02 43.5–.82 24.97N 141.23E 0 4.3,4.1 **¶602390380**
ISCJB XII 03 01 03 06.6–.82 25.28N–.09 141.3E–.10 200 3.7b,4.1
JMA XII 03 01 03 06.5–.20 25.19N 141.42E 187 4.4,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=22.6km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=8.5km az=40.4.
JMA Error ellipse: s-maj=3.3km s-min=8.0km az=-1.0.
ISC XII 04 01 41 02.6–4.2 24.91N–.08 142.4E–.10 9–26 4.2b 50 2-148
NIED XII 04 01 41 00 24.70N 142.30E 11 4.4W **¶602390418**
IDC XII 04 01 41 01.0–.93 24.91N 142.45E 0 4.2,4.1
NEIC XII 04 01 41 06.2–2.3 24.88N 142.36E 32–16 4.2b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s297.00000°,δ38.00000°,λ-163.00000°. NP2:ϕ_s193.00000°,δ80.00000°,λ-54.00000°. $M_0$4.34000×10^{15}
IDC Error ellipse: s-maj=38.4km s-min=13.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.6km az=80.0.
IDC XII 08 19 51 06.5–1.0 25.93N 140.28E 0 3.8,3.6b
¶602390838

IDC Error ellipse: s-maj=58.7km s-min=22.4km az=91.0.
IDC XII 16 10 12 31.2–4.5 25.02N 140.86E 0 4.1,4.0
¶602391459

IDC Error ellipse: s-maj=312.4km s-min=32.5km az=84.0.
IDC XII 17 13 13 36.4–.86 24.25N 142.69E 0 3.9,3.8
¶602391544

IDC Error ellipse: s-maj=36.6km s-min=19.8km az=98.0.
ISC XII 19 09 34 50.4–.65 23.48N–.08 143.80E–.10 28 4.3b,3.5s 61 4-95
IDC XII 19 09 34 46.5–.72 23.44N 143.80E 0 4.3,4.1 **¶602090203**
ISCJB XII 19 09 34 48.9–.37 23.49N–.05 143.73E–.07 28 4.3b,3.6s
NEIC XII 19 09 34 51.6–.32 23.49N 143.78E 35 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=15.7km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.5km az=157.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.5km az=63.0.
IDC XII 21 05 38 20.9–1.0 23.39N 144.02E 0 3.7,3.5
¶602391782

IDC Error ellipse: s-maj=44.8km s-min=20.7km az=96.0.

ISC	**XII**	**22 16 00 59.5–.40**	**22.51N–.05**	**142.9E–.10**	**200**	**4.4b**	**94**	**4-146**	
NEIC	XII	22 16 00 57.7–.75	22.43N	142.97E	180–7	4.6b			**¶602391876**
ISCJB	XII	22 16 00 58.1–.25	22.48N–.03	142.91E–.07	200	4.2b			
IDC	XII	22 16 00 58.2–1.5	22.43N	143.02E	186–13	4.5,4.1			
JMA	XII	22 16 00 58.3–.20	22.82N	143.74E	213	5.2,4.1			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=4.3km az=88.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=171.9.								
IDC	Error ellipse: s-maj=13.8km s-min=6.7km az=87.0.								
JMA	Error ellipse: s-maj=3.3km s-min=8.2km az=-1.0.								
IDC	**XII**	**26 05 11 42.5–11**	**22.08N**	**143.85E**	**131–111**	**3.8,3.6**			**¶602380621**
IDC	Error ellipse: s-maj=32.5km s-min=17.0km az=85.0.								
ISC	**XII**	**26 06 45 19.7–.83**	**25.0N–.10**	**143.9E–.20**	**35**	**3.8b**	**9**	**12-86**	
ISCJB	XII	26 06 45 17.5–.69	25.00N–.10	143.9E–.20	33	3.8b,3.3s			**¶602380627**
IDC	XII	26 06 45 22.4–5.4	25.05N	143.80E	60–50	3.8,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=28.8km s-min=13.6km az=176.4.								
IDC	Error ellipse: s-maj=38.4km s-min=16.3km az=98.0.								
ISC	**XII**	**29 04 41 30.0–.84**	**25.1N–.10**	**141.5E–.10**	**150**	**3.9b**	**35**	**12-151**	
IDC	XII	29 04 41 21.5–2.1	24.51N	141.52E	97–17	4.0,3.9			**¶602090269**
ISCJB	XII	29 04 41 28.5–.65	25.02N–.08	141.58E–.10	150	3.8b,3.9			
ISC	Event type ke.								
ISCJB	Event type ke.								

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ISC	**VII**	**01 06 06 14.5–.95**	**21.8N–.10**	**143.3E–.20**	**250**	**3.6b**	**16**	**5-150**	
ISCJB	VII	01 06 06 12.7–.87	21.75N–.09	143.3E–.20	250	3.5b			**¶601663346**
IDC	VII	01 06 06 13.2–2.3	21.75N	143.32E	238–19	3.9,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=25.1km s-min=11.9km az=178.2.								
IDC	Error ellipse: s-maj=19.5km s-min=16.3km az=102.0.								
IDC	**VII**	**02 22 15 32.4–2.9**	**17.16N**	**147.40E**	**0**	**3.8s,3.8**			**¶601663412**
IDC	Error ellipse: s-maj=93.9km s-min=24.3km az=82.0.								
ISC	**VII**	**13 04 18 20.7–.84**	**22.0N–.10**	**143.3E–.20**	**200**	**3.6b**	**15**	**5-150**	
ISCJB	VII	13 04 18 19.2–.81	21.95N–.09	143.4E–.20	200	3.5b			**¶601664513**
IDC	VII	13 04 18 19.2–2.5	21.92N	143.39E	184–21	3.9,3.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=24.7km s-min=11.7km az=168.2.								
IDC	Error ellipse: s-maj=23.4km s-min=15.1km az=94.0.								
IDC	**VII**	**13 09 23 01.0–11**	**21.95N**	**142.79E**	**327–96**	**3.8,3.2**			**¶601664520**
IDC	Error ellipse: s-maj=159.4km s-min=21.0km az=78.0.								
ISC	**VII**	**17 10 49 17.1–.58**	**14.80N–.08**	**147.01E–.09**	**32**	**4.5b**	**109**	**2-146**	
IDC	VII	17 10 49 12.0–.69	14.76N	147.01E	0	4.4L,4.3			**¶601664720**
ISCJB	VII	17 10 49 15.3–.44	14.82N–.05	147.01E–.07	32	4.4b,4.3			
NEIC	VII	17 10 49 16.9–.37	14.78N	147.03E	35	4.4b,4.3			
MOS	VII	17 10 49 16.1–1.1	14.84N	146.88E	33	4.8b,4.3			
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.4km s-min=13.4km az=103.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=6.3km az=31.0.								
NEIC	Event type se. Error ellipse: s-maj=10.6km s-min=7.3km az=102.0.								
MOS	Error ellipse: s-maj=13.8km s-min=7.4km az=113.5.								
ISC	**VII**	**17 18 49 50.5–1.9**	**19.61N–.09**	**147.3E–.40**	**35**	**3.8b**	**14**	**6-133**	
IDC	VII	17 18 49 59.5–5.3	19.52N	146.55E	96–36	3.9,3.6			**¶601664736**
ISC	Event type se.								
IDC	Error ellipse: s-maj=88.5km s-min=14.5km az=83.0.								
ISC	**VII**	**19 20 45 27.4–1.7**	**21.52N–.10**	**143.3E–.40**	**300**	**3.2b**	**12**	**6-83**	
ISCJB	VII	19 20 45 25.2–1.4	21.40N–.08	143.4E–.30	300	3.3b			**¶601664847**
IDC	VII	19 20 45 27.7–2.2	21.56N	143.39E	306–20	4.0,3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=43.9km s-min=10.5km az=178.5.								
IDC	Error ellipse: s-maj=46.6km s-min=16.0km az=85.0.								
ISC	**VII**	**21 06 37 19.9–.57**	**15.44N–.07**	**147.45E–.08**	**29**	**4.6b**	**52**	**3-154**	
BJI	VII	21 06 37 15.5	15.21N	147.89E	35	5.1b,4.8			**¶601453747**
IDC	VII	21 06 37 16.2–.90	15.57N	147.29E	0	4.1,4.0			
ISCJB	VII	21 06 37 18.7–.57	15.51N–.07	147.36E–.08	29	4.4b,4.0			
NEIC	VII	21 06 37 20.6–.45	15.46N	147.45E	35	4.8b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.9km s-min=17.1km az=100.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.0km s-min=7.6km az=31.8.								
NEIC	Event type se. Error ellipse: s-maj=12.7km s-min=10.0km az=81.0.								
ISC	**VII**	**24 04 53 44.0–1.9**	**21.6N–.10**	**143.1E–.60**	**311**	**3.5b**	**10**	**6-83**	
ISCJB	VII	24 04 53 42.5–1.5	21.56N–.09	143.2E–.50	311	3.4b			**¶601666357**
IDC	VII	24 04 53 43.5–2.0	21.60N	143.14E	305–20	3.8,3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=66.3km s-min=11.1km az=176.5.								
IDC	Error ellipse: s-maj=67.7km s-min=13.2km az=82.0.								
IDC	**VII**	**24 17 12 56.1–3.2**	**21.60N**	**142.25E**	**207–58**	**3.8,3.1**			**¶601666382**
IDC	Error ellipse: s-maj=125.2km s-min=16.7km az=75.0.								
IDC	**VII**	**25 10 15 57.7–1.3**	**20.30N**	**147.32E**	**0**	**3.7,3.5**			**¶601666417**
IDC	Error ellipse: s-maj=51.2km s-min=28.2km az=96.0.								
ISC	**VII**	**25 12 43 54.6–1.5**	**15.2N–.10**	**147.1E–.20**	**32**	**3.8b**	**10**	**3-145**	
IDC	VII	25 12 43 49.2–2.1	15.19N	147.23E	0	3.8,3.7			**¶601666424**
ISCJB	VII	25 12 43 52.6–1.2	15.2N–.10	147.1E–.20	32	3.7b,3.7			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VII**	**27 03 37 56.1–.33**	**21.70N–.03**	**143.02E–.03**	**298–2**	**5.4b**	**1590**	**5-168**	
MOS	VII	27 03 37 54.0–.83	21.66N	143.00E	288	5.5b			**¶601475834**
ISCJB	VII	27 03 37 55.3–.29	21.68N–.01	143.01E–.02	300–2	5.3b			
NEIC	VII	27 03 37 56.7–.47	21.67N	142.99E	303–4	5.4b			
IDC	VII	27 03 37 56.8–.76	21.67N	143.06E	303–6	5.7,5.1			
GCMT	VII	27 03 37 56.7–.20	21.68N	142.82E	290–1	5.3W,5.1			
BJI	VII	27 03 37 58.2	22.01N	142.72E	300	5.3b,5.0b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=6.6km s-min=4.0km az=105.5.								
ISCJB	Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=43.7.								
NEIC	Event type se. Error ellipse: s-maj=2.7km s-min=2.2km az=125.0.								
IDC	Error ellipse: s-maj=8.1km s-min=5.4km az=86.0.								
GCMT	Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s103,c169;Duration: 1$s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.02 $M_{\theta\theta}$-0.97±.03; $M_{\phi\phi}$0.01±.04; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$0.25±.03; $M_{\phi r}$0.23±.03; Best double couple: NP1:ϕ_s86.00000°,δ63.00000°,λ72.00000°. NP2:ϕ_s301.00000°,δ31.00000°,λ121.00000°. Principal axes: T 1.2480,Plg67.0000°,Azm323.0000°; N -0.0340,Plg16.0000°,Azm94.0000°; P -1.2140,Plg17.0000°,Azm188.0000° M_o1.23100×10^{17}								
ISC	**VII**	**29 19 33 29.2–.43**	**19.45N–.05**	**146.29E–.09**	**35**	**4.7b,3.6s**	**162**	**6-147**	
ISCJB	VII	29 19 33 26.6–.26	19.37N–.03	146.36E–.05	33	4.6b,3.6s			**¶601484884**
BJI	VII	29 19 33 27.1	19.06N	146.52E	65	4.9b,4.7b			
IDC	VII	29 19 33 32.0–1.6	19.30N	146.33E	67–13	4.5,4.3			
MOS	VII	29 19 33 32.4–1.2	19.34N	146.25E	84	4.8b,4.3			
NEIC	VII	29 19 33 32.0–1.2	19.42N	146.21E	66–11	4.8b,4.3			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=176.8.								
IDC	Error ellipse: s-maj=15.8km s-min=11.2km az=95.0.								
MOS	Error ellipse: s-maj=12.1km s-min=5.6km az=105.3.								
NEIC	Event type se. Error ellipse: s-maj=9.5km s-min=6.6km az=92.0.								
IDC	**VII**	**31 11 56 46.2–4.2**	**18.05N**	**147.42E**	**0**	**4.0,3.7**			**¶601650822**
IDC	Error ellipse: s-maj=307.8km s-min=31.4km az=122.0.								
ISC	**VIII**	**01 11 43 52.4–.98**	**21.5N–.10**	**143.3E–.30**	**300**	**3.5b**	**10**	**16-146**	
ISCJB	VIII	01 11 43 50.7–.90	21.5N–.10	143.4E–.30	300	3.4b			**¶601765311**
IDC	VIII	01 11 43 54.8–6.3	21.58N	143.22E	322–63	3.9,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=36.5km s-min=16.0km az=4.2.								
IDC	Error ellipse: s-maj=35.1km s-min=15.4km az=90.0.								
IDC	**VIII**	**02 16 04 09.2–7.2**	**18.53N**	**147.39E**	**0**	**3.7,3.5**			**¶601765357**
IDC	Error ellipse: s-maj=283.7km s-min=24.3km az=82.0.								
IDC	**VIII**	**06 21 37 20.3–3.8**	**15.89N**	**143.57E**	**0**	**4.0,3.8b**			**¶601765578**
IDC	Error ellipse: s-maj=176.7km s-min=32.5km az=83.0.								
ISC	**VIII**	**09 05 05 18.1–.87**	**18.39N–.10**	**147.2E–.20**	**52**	**3.9b,3.4s**	**17**	**5-88**	
ISCJB	VIII	09 05 05 16.3–.76	18.39N–.06	147.2E–.20	52	3.9b,3.4s			**¶601765683**
IDC	VIII	09 05 05 18.7–3.7	18.37N	147.15E	58–32	4.4L,3.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=25.0km s-min=7.9km az=11.7.								
IDC	Error ellipse: s-maj=33.0km s-min=13.6km az=88.0.								
ISC	**VIII**	**14 21 40 12.8–.56**	**15.05N–.08**	**147.33E–.08**	**18**	**3.9b,3.1s**	**35**	**3-145**	
IDC	VIII	14 21 40 09.9–.91	15.02N	147.32E	0	4.1L,4.0			**¶601715662**
ISCJB	VIII	14 21 40 11.0–.40	15.10N–.05	147.32E–.06	18	3.9b,3.1s			
NEIC	VIII	14 21 40 15.2–.32	15.04N	147.28E	35	4.3b,3.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.6km s-min=14.9km az=108.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=7.5km az=29.4.								
NEIC	Event type se. Error ellipse: s-maj=9.2km s-min=7.7km az=68.0.								
ISC	**VIII**	**18 06 05 34.3–.83**	**21.3N–.10**	**145.1E–.20**	**35**	**3.9b**	**18**	**6-86**	
ISCJB	VIII	18 06 05 32.5–.60	21.44N–.07	145.0E–.20	33	3.8b			**¶601766032**
IDC	VIII	18 06 05 40.1–3.7	21.39N	145.02E	88–33	3.8,3.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=20.8km s-min=9.8km az=167.1.								
IDC	Error ellipse: s-maj=23.3km s-min=14.2km az=94.0.								
ISC	**VIII**	**19 02 29 34.1–.80**	**14.88N–.08**	**147.21E–.09**	**32**	**4.1b**	**18**	**2-91**	
IDC	VIII	19 02 29 30.0–1.4	15.03N	147.14E	0	4.2,4.1b			**¶601643015**
ISCJB	VIII	19 02 29 32.2–.62	14.89N–.07	147.25E–.08	32	4.0b,4.1b			
NEIC	VIII	19 02 29 33.5–2.9	14.92N	147.25E	27–21	4.2b,4.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.9km s-min=22.6km az=108.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.0km s-min=9.5km az=41.4.								
NEIC	Event type se. Error ellipse: s-maj=13.6km s-min=10.0km az=61.0.								
IDC	**VIII**	**22 23 02 23.8–3.6**	**18.42N**	**143.55E**	**0**	**3.9,3.6b**			**¶601766325**
IDC	Error ellipse: s-maj=104.3km s-min=26.6km az=70.0.								
ISC	**VIII**	**26 03 10 49.4–.76**	**19.20N–.08**	**146.0E–.20**	**109**	**3.9b**	**13**	**6-92**	
ISCJB	VIII	26 03 10 48.7–.72	19.23N–.06	146.2E–.20	109	3.8b			**¶601766478**
IDC	VIII	26 03 10 57.3–2.1	18.83N	145.76E	200–23	4.0,3.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=29.0km s-min=8.6km az=6.1.								
IDC	Error ellipse: s-maj=26.6km s-min=15.3km az=85.0.								
IDC	**VIII**	**29 07 02 10.2–1.2**	**18.01N**	**147.66E**	**0**	**3.9,3.8**			**¶601755548**
IDC	Error ellipse: s-maj=45.8km s-min=20.5km az=87.0.								
ISC	**VIII**	**30 13 38 13.7–.92**	**21.7N–.10**	**143.1E–.30**	**311**	**3.3b**	**12**	**12-146**	
IDC	VIII	30 13 38 10.0–3.9	21.62N	143.12E	267–39	3.9,3.3			**¶601755622**
ISCJB	VIII	30 13 38 12.4–.92	21.71N–.09	142.9E–.30	311	3.2b,3.3			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**31 16 21 28.1–3.1**	**22.00N**	**144.64E**	**0**	**4.0,3.9**			**¶601755737**
IDC	Error ellipse: s-maj=130.7km s-min=21.4km az=79.0.								
ISC	**IX**	**02 19 34 16.3–.59**	**21.62N–.08**	**143.2E–.20**	**311**	**3.5b**	**26**	**6-150**	
ISCJB	IX	02 19 34 15.5–.56	21.64N–.06	143.2E–.20	311	3.5b			**¶601862804**
IDC	IX	02 19 34 17.1–1.7	21.62N	143.15E	313–16	4.1,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=22.5km s-min=8.0km az=170.9.								
IDC	Error ellipse: s-maj=20.6km s-min=10.1km az=79.0.								
ISC	**IX**	**03 06 44 48.4–.47**	**19.72N–.06**	**146.0E–.10**	**35**	**4.4b**	**71**	**3-147**	
IDC	IX	03 06 44 43.0–.61	19.76N	146.05E	0	4.5L,4.1			**¶601734437**
ISCJB	IX	03 06 44 46.8–.27	19.70N–.03	145.91E–.07	35	4.2b,4.1			
NEIC	IX	03 06 44 47.9–2.1	19.71N	146.03E	29–15	4.5b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=22.2km s-min=13.9km az=82.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=174.2.								
NEIC	Event type se. Error ellipse: s-maj=9.0km s-min=5.2km az=75.0.								
IDC	**IX**	**07 02 34 33.4–1.3**	**17.06N**	**147.50E**	**0**	**4.0L,3.9**			**¶601863091**
IDC	Error ellipse: s-maj=55.5km s-min=22.0km az=109.0.								
IDC	**IX**	**07 03 30 35.3–1.3**	**21.68N**	**146.28E**	**0**	**3.9,3.6**			**¶601863094**
IDC	Error ellipse: s-maj=58.6km s-min=25.6km az=97.0.								
ISC	**IX**	**07 16 05 02.4–.70**	**21.94N–.08**	**143.2E–.20**	**35**	**3.9b,3.2s**	**24**	**5-150**	
IDC	IX	07 16 04 57.4–.63	21.90N	143.23E	0	4.1,3.9			**¶601836713**
ISCJB	IX	07 16 05 00.5–.59	21.96N–.05	143.1E–.20	33	4.0b,3.1s			
NEIC	IX	07 16 05 02.5–.43	21.91N	143.17E	35	4.3b,3.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.3km s-min=14.0km az=84.0.								
ISCJB	Event type se. Error ellipse: s-maj=20.3km s-min=6.7km az=174.9.								
NEIC	Event type se. Error ellipse: s-maj=15.9km s-min=8.2km az=80.0.								
ISC	**IX**	**07 16 20 34.2–.98**	**21.6N–.10**	**145.9E–.20**	**29**	**3.8b**	**11**	**6-84**	
IDC	IX	07 16 20 29.3–.94	21.51N	146.11E	0	4.0,3.8			**¶601863122**
ISCJB	IX	07 16 20 31.9–.85	21.6N–.10	145.8E–.20	29	3.8b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**IX**	**07 18 44 00.6–.29**	**21.65N–.03**	**143.38E–.04**	**264–2**	**5.0b**	**1174**	**5-168**	
BJI	IX	07 18 43 53.5	21.29N	143.90E	249	4.6b,4.6b			**¶601696484**
MOS	IX	07 18 43 59.1–.87	21.66N	143.33E	258	5.2b,4.6b			
NEIC	IX	07 18 43 59.6–.08	21.61N	143.32E	254	5.0b,4.6b			
ISCJB	IX	07 18 44 00.1–.33	21.63N–.02	143.32E–.02	267–3	4.9b,4.6b			
JMA	IX	07 18 44 01.2–.20	21.69N	143.32E	261–2	5.3,4.6b			
GCMT	IX	07 18 44 01.6–.30	21.68N–.03	143.39E–.02	263–2	5.1W,4.6b			
IDC	IX	07 18 44 02.0–.66	21.64N	143.36E	274–5	5.3,4.8			
ISC	Event type se.								
MOS	Error ellipse: s-maj=6.7km s-min=4.2km az=106.0.								
NEIC	Event type se. Error ellipse: s-maj=2.6km s-min=2.3km az=125.0.								
ISCJB	Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=35.6.								
JMA	Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c72; s83,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.04±.15 $M_{\theta\theta}$0.77±.14; $M_{\phi\phi}$-4.81±.14; $M_{r\theta}$-2.26±.15; $M_{\theta\phi}$-0.07±.16; $M_{\phi r}$2.02±.16; Best double couple: NP1:ϕ_s336.00000°,δ62.00000°,λ63.00000°. NP2:ϕ_s204.00000°,δ38.00000°,λ131.00000°. Principal axes: T 5.5230,Plg63.0000°,Azm203.0000°; N -0.2380,Plg24.0000°,Azm350.0000°; P -5.2800,Plg13.0000°,Azm86.0000° M_o5.40200×10^{16}								
IDC	Error ellipse: s-maj=8.1km s-min=4.8km az=83.0.								
ISC	**IX**	**07 23 33 51.6–1.3**	**21.5N–.20**	**146.1E–.30**	**29**	**3.7b**	**6**	**43-84**	
IDC	IX	07 23 33 47.4–1.2	21.56N	146.02E	0	3.8,3.6			**¶601863130**
ISCJB	IX	07 23 33 49.6–1.2	21.5N–.10	146.1E–.40	29	3.6b,3.6			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**IX**	**08 04 42 50.1–.83**	**21.6N–.10**	**146.2E–.20**	**29**	**3.9b**	**17**	**16-149**	
IDC	IX	08 04 42 45.8–.78	21.56N	146.24E	0	4.1,3.9			**¶601734469**
NEIC	IX	08 04 42 47.1–.41	21.52N	146.22E	10	3.9b,3.9			
ISCJB	IX	08 04 42 48.4–.68	21.51N–.08	146.1E–.20	29	3.8b,3.9			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**IX**	**08 05 08 20.2–.84**	**21.58N–.09**	**145.9E–.20**	**29**	**4.0b**	**24**	**5-64**	
IDC	IX	08 05 08 14.7–1.3	21.50N	146.16E	0	4.5L,3.9			**¶601737001**
NEIC	IX	08 05 08 17.0–.54	21.50N	146.10E	10	4.4b,3.9			
ISCJB	IX	08 05 08 17.6–.58	21.53N–.06	146.1E–.10	29	3.9b,3.9			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**IX**	**08 06 54 21.9–.67**	**21.58N–.03**	**145.93E–.04**	**26–4**	**5.5b,5.5s**	**1115**	**5-166**	
NIED	IX	08 06 54 00	22.20N	145.60E	5	5.4W,5.5s			**¶601695809**
ISCJB	IX	08 06 54 17.1–.65	21.54N–.02	145.91E–.02	5–4	5.4s,5.4b			
BJI	IX	08 06 54 18.0	21.53N	145.75E	7	5.6s,5.4			
NEIC	IX	08 06 54 18.6–.08	21.53N	145.92E	5	5.7W,5.6b			
MOS	IX	08 06 54 20.8–.95	21.53N	145.95E	30	5.6b,5.3s			

IDC IX 08 06 54 22.0–1.4 21.50N 145.94E 27–8 5.1s,5.1
GCMT IX 08 06 54 23.6–.10 21.59N–.01 146.07E–.01 13–1 5.5W,5.1
JMA IX 08 06 54 25.6–.30 22.18N 145.65E 10 5.9,5.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ50.00000°,λ-143.00000°. NP2:ϕ_s156.00000°,δ63.00000°,λ-46.00000°. $M_0$1.56000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=163.7.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=139.0. Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-0.53 $M_{r\theta}$-1.99 $M_{\theta\phi}$-0.18 $M_{\phi r}$3.71 Best double couple: NP1:ϕ_s227.00000°,δ6.00000°,λ165.00000°. NP2:ϕ_s332.00000°,δ88.00000°,λ84.00000°. Principal axes: T 4.2700,Plg46.0000°,Azm236.0000°; N -0.0500,Plg6.0000°,Azm332.0000°; P -4.2100,Plg43.0000°,Azm68.0000° $M_0$4.20000×10^{17}
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=103.0.
IDC Error ellipse: s-maj=12.5km s-min=7.9km az=87.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c179; s132,c269;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.01 $M_{\theta\theta}$0.83±.02; $M_{\phi\phi}$-0.83±.02; $M_{r\theta}$-0.81±.09; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$1.51±.15; Best double couple: NP1:ϕ_s328.00000°,δ89.00000°,λ64.00000°. NP2:ϕ_s236.00000°,δ26.00000°,λ178.00000°. Principal axes: T 1.8050,Plg40.0000°,Azm214.0000°; N 0.2120,Plg26.0000°,Azm328.0000°; P -2.0180,Plg39.0000°,Azm81.0000° $M_0$1.91200×10^{17}
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
IDC IX 08 07 07 43.0–4.8 21.62N 145.79E 48–49 3.7,3.7 ¶601863154
IDC Error ellipse: s-maj=41.9km s-min=24.6km az=99.0.
ISC IX 08 08 38 16.1–1.0 21.4N–.10 146.1E–.20 29 3.8b 10 17-85
ISCJB IX 08 08 38 14.0–.95 21.4N–.10 146.2E–.20 29 3.7b **¶601863158**
IDC IX 08 08 38 21.7–7.8 21.43N 145.98E 78–72 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.8km s-min=15.1km az=172.2.
IDC Error ellipse: s-maj=34.1km s-min=16.3km az=90.0.
IDC IX 08 08 44 18.1–2.2 21.95N 145.15E 0 3.8,3.5 ¶601863159
IDC Error ellipse: s-maj=305.5km s-min=28.6km az=110.0.
ISC IX 08 09 37 17.1–.49 21.54N–.05 145.88E–.10 29 4.3b 64 5-147
IDC IX 08 09 37 13.1–.61 21.50N 146.03E 0 4.2,4.0 **¶601833365**
NEIC IX 08 09 37 14.1–.26 21.44N 145.96E 10 4.4b,4.0
ISCJB IX 08 09 37 15.5–.36 21.52N–.05 145.93E–.07 29 4.3b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 08 11 28 43.0–1.0 21.5N–.20 145.9E–.30 29 3.6b 7 22-84
IDC IX 08 11 28 38.6–.98 21.53N 145.97E 0 4.0,3.8 **¶601863163**
ISCJB IX 08 11 28 41.3–.90 21.5N–.10 145.9E–.30 29 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 16 45 06.2–.66 21.57N–.06 145.9E–.20 29 4.0b 23 6-147
IDC IX 08 16 45 01.4–.71 21.47N 146.03E 0 4.1,3.9 **¶601863180**
ISCJB IX 08 16 45 04.3–.63 21.50N–.05 145.9E–.20 29 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 18 48 14.6–.69 21.57N–.06 146.2E–.10 29 3.9b 34 5-86
NEIC IX 08 18 48 11.6–.47 21.54N 146.25E 10 4.1b **¶601833360**
ISCJB IX 08 18 48 12.7–.48 21.55N–.04 146.2E–.10 29 3.8b
IDC IX 08 18 48 18.1–4.0 21.48N 146.17E 60–37 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=5.8km az=169.8.
IDC Error ellipse: s-maj=29.9km s-min=15.1km az=89.0.
ISC IX 10 11 39 08.7–1.0 21.6N–.10 145.8E–.20 29 3.7b 9 6-86
IDC IX 10 11 39 04.1–.95 21.51N 146.00E 0 4.0,3.8 **¶601863292**
ISCJB IX 10 11 39 06.7–.83 21.62N–.10 145.7E–.20 29 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IX 12 21 28 56.6–2.1 19.35N 143.98E 0 3.9,3.5 ¶601863434
IDC Error ellipse: s-maj=189.8km s-min=24.6km az=113.0.
ISC IX 13 01 13 15.0–.46 20.44N–.05 146.71E–.09 34 4.3b 83 4-147
ISCJB IX 13 01 13 13.3–.33 20.41N–.03 146.71E–.07 34 4.2b **¶601851668**
NEIC IX 13 01 13 15.1–.32 20.31N 146.68E 35 4.5b
IDC IX 13 01 13 20.5–2.8 20.30N 146.53E 80–26 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=177.9.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.2km az=81.0.
IDC Error ellipse: s-maj=19.5km s-min=10.3km az=80.0.
ISC IX 13 01 15 44.2–.46 20.32N–.05 146.71E–.09 34 4.4b,3.5s 96 4-94
ISCJB IX 13 01 15 42.3–.30 20.29N–.04 146.73E–.06 34 4.3b,3.4s **¶601851669**
NEIC IX 13 01 15 43.7–2.3 20.27N 146.76E 33–16 4.5b,3.4s
IDC IX 13 01 15 46.6–2.8 20.30N 146.70E 58–26 4.2,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=84.0.
IDC Error ellipse: s-maj=16.4km s-min=9.5km az=84.0.
ISC IX 13 02 51 34.6–.62 20.2N–.10 146.7E–.10 10 4.3b 50 8-147
ISCJB IX 13 02 51 32.9–.60 20.22N–.08 146.8E–.10 10 4.2b **¶601851674**
IDC IX 13 02 51 34.0–.74 20.30N 146.65E 0 4.1,3.9
NEIC IX 13 02 51 39.3–.44 20.27N 146.59E 35 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=10.2km az=163.2.
IDC Error ellipse: s-maj=25.3km s-min=18.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.5km az=78.0.
ISC IX 13 11 19 06.5–.70 21.65N–.05 143.06E–.07 302–6 4.4b 366 5-152
MOS IX 13 11 19 04.1–.92 21.72N 142.88E 284 4.7b **¶601712710**
ISCJB IX 13 11 19 06.0–.46 21.66N–.03 142.92E–.03 303–4 4.3b
NEIC IX 13 11 19 07.1–.39 21.64N 142.92E 304–4 4.4b
JMA IX 13 11 19 07.5–.30 21.79N 142.87E 313–3 5.0
IDC IX 13 11 19 07.1–1.5 21.66N 143.05E 306–14 4.6,4.0
BJI IX 13 11 19 09.9 21.91N 142.40E 301 4.4b,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=7.0km az=106.7.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.5km az=161.5.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=223.0.
JMA Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=7.5km az=85.0.
ISC IX 15 05 06 27.9–.71 20.36N–.09 146.8E–.20 35 3.9b 30 7-86
IDC IX 15 05 06 21.0–.81 20.13N 146.82E 0 4.0,3.9 **¶601739612**
ISCJB IX 15 05 06 25.7–.44 20.33N–.07 146.7E–.10 33 3.9b,3.1s
NEIC IX 15 05 06 28.1–.45 20.36N 146.68E 35 4.4b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=19.7km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.5km az=5.2.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.7km az=96.0.
ISC IX 15 05 32 29.9–.53 20.43N–.08 146.6E–.10 34 4.3b,3.1s 82 4-150
IDC IX 15 05 32 23.9–.71 20.39N 146.74E 0 4.3,4.1L **¶601739613**
ISCJB IX 15 05 32 28.2–.30 20.43N–.05 146.59E–.06 34 4.3b,3.1s
NEIC IX 15 05 32 28.7–2.2 20.45N 146.64E 26–16 4.4b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=17.9km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=7.1km az=177.2.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=77.0.
ISC IX 15 05 48 02.0–.63 20.31N–.09 146.7E–.20 34 3.9b 27 4-147
IDC IX 15 05 47 56.5–.80 20.32N 146.68E 0 4.1,3.9 **¶601739614**
ISCJB IX 15 05 47 59.8–.56 20.26N–.06 146.8E–.10 34 3.9b,3.5s
NEIC IX 15 05 48 02.7–1.8 20.29N 146.74E 42–17 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=18.8km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=9.2km az=2.6.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.3km az=94.0.
IDC IX 17 08 14 43.6–2.2 15.35N 143.48E 0 3.3,3.2 ¶601863700
IDC Error ellipse: s-maj=66.7km s-min=27.2km az=63.0.
ISC IX 17 16 18 17.4–.71 21.64N–.08 143.2E–.20 311 3.2b 22 6-146
ISCJB IX 17 16 18 16.1–.62 21.62N–.06 143.1E–.20 311 3.3b **¶601863715**
IDC IX 17 16 18 16.4–1.4 21.60N 143.21E 298–14 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=8.3km az=172.0.
IDC Error ellipse: s-maj=19.9km s-min=10.2km az=81.0.
ISC IX 20 00 35 29.1–1.1 21.5N–.10 143.2E–.30 311 3.5b 11 6-83
ISCJB IX 20 00 35 27.4–.95 21.40N–.10 143.3E–.20 311 3.5b **¶601863861**
IDC IX 20 00 35 29.6–2.1 21.51N 143.24E 314–18 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.1km s-min=13.0km az=174.4.
IDC Error ellipse: s-maj=27.4km s-min=15.6km az=91.0.
ISC IX 22 16 57 24.8–.78 21.5N–.10 143.9E–.20 33 4.0b,3.0s 17 6-149
IDC IX 22 16 57 19.7–.68 21.52N 143.87E 0 4.2,4.0 **¶601864002**
ISCJB IX 22 16 57 22.6–.72 21.53N–.09 144.0E–.20 33 3.9b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 22 23 06 16.6–.94 21.42N 143.75E 0 4.2,3.9b ¶601864011
IDC Error ellipse: s-maj=63.4km s-min=22.2km az=107.0.
ISC IX 23 05 23 22.9–.67 22.0N–.10 142.8E–.20 300 3.6b 17 15-150
ISCJB IX 23 05 23 21.5–.58 21.96N–.08 142.8E–.20 300 3.8b **¶601864025**
IDC IX 23 05 23 21.4–3.9 21.96N 142.89E 281–39 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=11.4km az=178.2.
IDC Error ellipse: s-maj=25.2km s-min=9.6km az=96.0.
IDC IX 24 05 58 45.5–2.7 15.30N 144.85E 0 4.0,3.8b ¶601864079
IDC Error ellipse: s-maj=122.6km s-min=21.3km az=81.0.
ISC IX 24 11 24 29.3–.82 21.5N–.10 142.9E–.20 311 3.7b 12 8-150
IDC IX 24 11 24 12.0–7.7 21.46N 143.23E 142–71 4.0,3.7 **¶601864093**
ISCJB IX 24 11 24 27.3–.77 21.5N–.10 142.8E–.20 311 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 24 14 57 15.6–.91 20.08N–.09 147.1E–.20 40 3.6b 12 7-81
IDC IX 24 14 57 09.6–.94 20.04N 147.12E 0 3.8,3.6 **¶601864100**
ISCJB IX 24 14 57 13.6–.85 20.03N–.07 147.1E–.20 40 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC IX 24 17 46 16.1–.86 21.50N 143.72E 0 4.1,3.9b ¶601864107
IDC Error ellipse: s-maj=37.2km s-min=19.7km az=93.0.
IDC IX 25 11 04 17.3–.95 21.73N 143.42E 0 3.9,3.7 ¶601864150
IDC Error ellipse: s-maj=69.1km s-min=20.3km az=106.0.
ISC IX 26 17 36 32.3–.71 21.58N–.09 143.1E–.20 311 3.5b 21 16-90
ISCJB IX 26 17 36 31.0–.60 21.60N–.08 143.1E–.20 311 3.7b **¶601864223**
IDC IX 26 17 36 33.0–2.8 21.60N 143.14E 317–27 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=10.8km az=176.8.
IDC Error ellipse: s-maj=20.1km s-min=10.1km az=89.0.
ISC IX 26 21 39 33.0–.73 16.82N–.08 147.5E–.10 41 4.1b 39 2-146
IDC IX 26 21 39 27.7–.79 16.91N 147.39E 0 4.3L,4.2 **¶601810554**
NEIC IX 26 21 39 29.8–3.2 16.86N 147.64E 22–21 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=15.5km az=101.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.7km az=92.0.
ISC X 01 11 44 48.4–1.3 14.9N–.10 147.2E–.20 32 3.6b 9 3-66
IDC X 01 11 44 43.7–1.2 14.87N 147.25E 0 4.0L,3.8 **¶601996386**
ISCJB X 01 11 44 46.3–1.0 14.9N–.10 147.3E–.10 32 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 03 08 02 15.3–.79 14.87N–.05 147.79E–.08 34–3 4.8b,3.4s 209 2-154
IDC X 03 08 02 10.3–.52 14.94N 147.82E 0 4.7,4.6 **¶601779583**
BJI X 03 08 02 13.8 14.99N 147.87E 31 5.0b,4.8b
MOS X 03 08 02 13.8–1.0 14.95N 147.64E 31 5.0b,4.8b
ISCJB X 03 08 02 15.1–1.1 14.89N–.03 147.69E–.05 42–9 4.7b,3.4s
NEIC X 03 08 02 15.3–2.1 14.89N 147.71E 32–15 4.8b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=12.1km az=94.0.
MOS Error ellipse: s-maj=11.0km s-min=6.8km az=109.4.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.8km az=1.1.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=89.0.
ISC X 06 12 57 44.6–1.2 21.6N–.10 144.6E–.30 114 3.7b 9 6-84
ISCJB X 06 12 57 42.8–1.0 21.57N–.08 144.6E–.30 114 3.8b **¶601997273**
IDC X 06 12 57 45.4–3.4 21.60N 144.50E 121–30 3.9,3.6
ISC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=36.5km s-min=9.9km az=169.5.
IDC Error ellipse: s-maj=40.0km s-min=14.7km az=92.0.
IDC X 11 10 36 57.4–6.5 21.63N 143.05E 280–64 4.0,3.5 ¶601997876
IDC Error ellipse: s-maj=64.6km s-min=14.3km az=84.0.
IDC X 11 11 27 34.9–1.1 21.52N 145.68E 0 3.8,3.6 ¶601997880
IDC Error ellipse: s-maj=45.8km s-min=21.4km az=92.0.
ISC X 12 06 11 45.1–.56 21.93N–.08 144.7E–.10 69 4.1b 36 5-152
ISCJB X 12 06 11 43.3–.45 21.88N–.05 144.6E–.10 69 4.2b **¶601870031**
IDC X 12 06 11 44.2–4.4 21.84N 144.60E 63–39 4.6L,4.0
NEIC X 12 06 11 45.4–.88 21.86N 144.65E 74–8 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=6.3km az=164.4.
IDC Error ellipse: s-maj=46.2km s-min=20.5km az=87.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.2km az=70.0.
ISC X 13 04 21 03.1–.88 21.1N–.10 145.0E–.20 83 4.2b 19 17-150
IDC X 13 04 20 52.6–.86 21.01N 145.15E 0 4.2,4.0 **¶601839070**
NEIC X 13 04 20 54.1–.45 21.01N 145.15E 10 4.1b,4.0
ISCJB X 13 04 21 01.6–.64 21.02N–.09 145.0E–.20 83 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 14 10 35 50.1–.79 21.65N–.04 143.14E–.08 304–8 4.1b 172 5-149
ISCJB X 14 10 35 49.3–.58 21.65N–.03 143.19E–.04 311–5 4.1b **¶601833198**
NEIC X 14 10 35 50.9–.65 21.64N 143.16E 314–6 4.2b
IDC X 14 10 35 50.6–1.4 21.65N 143.22E 316–14 4.6,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=4.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=99.0.
IDC Error ellipse: s-maj=14.0km s-min=7.2km az=88.0.
ISC X 15 06 19 21.5–.87 19.24N–.10 147.0E–.20 37 4.0b 10 6-87
ISCJB X 15 06 19 19.6–.79 19.20N–.08 147.0E–.20 37 3.8b,3.7s **¶601998295**
IDC X 15 06 19 25.2–3.9 19.13N 146.84E 74–36 4.7L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=9.4km az=11.9.
IDC Error ellipse: s-maj=34.1km s-min=17.2km az=90.0.
IDC X 18 03 26 50.7–2.4 15.61N 147.26E 0 4.1,4.0 ¶601998742
IDC Error ellipse: s-maj=73.7km s-min=29.9km az=92.0.
ISC X 22 18 50 06.0–1.1 18.8N–.20 143.8E–.30 35 3.9b,3.0s 13 5-86
IDC X 22 18 50 01.4–1.1 18.79N 143.82E 0 3.9,3.8b **¶601875505**
ISCJB X 22 18 50 04.4–.99 18.8N–.10 143.8E–.30 33 3.8b,2.9s
NEIC X 22 18 50 06.9–.80 18.77N 143.77E 35 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=19.1km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=39.1km s-min=13.8km az=172.8.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=11.5km az=83.0.
ISC XI 01 00 10 03.4–.95 21.4N–.10 146.2E–.20 35 3.7b 11 17-147
IDC XI 01 00 09 58.4–.84 21.39N 146.28E 0 4.0,3.9L **¶602388647**
ISCJB XI 01 00 10 01.1–.86 21.4N–.10 146.4E–.20 33 3.8b,3.9L
ISC Event type ke.
ISCJB Event type ke.

IDC XI 01 12 01 33.9–5.9 21.77N 142.85E 284–51 3.9,3.3
¶602388678

IDC Error ellipse: s-maj=74.1km s-min=21.2km az=80.0.
IDC XI 03 06 16 37.0–1.6 17.80N 147.24E 0 3.9,3.6b
¶602388758

IDC Error ellipse: s-maj=149.0km s-min=25.0km az=114.0.
IDC XI 04 16 22 48.7–1.1 14.52N 143.63E 0 3.7,3.5
¶602388810

IDC Error ellipse: s-maj=36.0km s-min=22.0km az=62.0.
ISC XI 04 18 37 07.7–1.2 17.3N–.10 147.5E–.20 26 3.5b 9 4-83
IDC XI 04 18 37 03.9–1.2 17.30N 147.45E 0 3.7,3.5L **¶602388816**
ISCJB XI 04 18 37 06.1–1.0 17.33N–.09 147.4E–.20 26 3.5b,2.6s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 05 16 22 28.3–2.1 21.85N 142.05E 269–24 3.9,3.2
¶602388876

IDC Error ellipse: s-maj=74.3km s-min=15.8km az=97.0.
IDC XI 07 13 47 21.6–3.6 21.91N 143.52E 192–36 3.7,3.3
¶602388962

IDC Error ellipse: s-maj=67.0km s-min=15.5km az=102.0.
ISC XI 11 19 44 44.2–1.2 21.9N–.10 143.3E–.40 200 3.2b 9 5-83
ISCJB XI 11 19 44 42.7–1.0 21.90N–.08 143.2E–.40 200 3.3b **¶602389232**
IDC XI 11 19 44 44.7–2.3 21.98N 143.28E 205–20 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=49.2km s-min=10.5km az=175.4.
IDC Error ellipse: s-maj=40.0km s-min=15.2km az=90.0.
IDC XI 14 19 28 17.5–6.5 21.96N 142.31E 0 3.6,3.5
¶602389401

IDC Error ellipse: s-maj=269.2km s-min=20.5km az=75.0.
ISC XI 18 13 20 13.0–.82 21.31N–.09 144.7E–.20 100–8 4.2b 48 5-87
ISCJB XI 18 13 20 12.6–1.4 21.28N–.05 144.7E–.10 113–13 4.1b **¶601992717**
NEIC XI 18 13 20 12.6–.32 21.31N 144.74E 98 4.5b
IDC XI 18 13 20 13.3–.94 21.31N 144.68E 101–8 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=7.9km az=166.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.1km az=78.0.
IDC Error ellipse: s-maj=20.9km s-min=11.7km az=84.0.
ISC XI 22 23 02 28.4–.95 20.9N–.20 146.2E–.20 34 3.7b 11 19-85
IDC XI 22 23 02 23.2–.89 20.87N 146.21E 0 3.9,3.8 **¶602389853**
ISCJB XI 22 23 02 26.0–.85 20.8N–.10 146.3E–.20 34 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XI 26 16 36 45.8–4.0 21.71N 144.78E 151–25 3.8,3.3
¶602389997

IDC Error ellipse: s-maj=107.3km s-min=16.1km az=79.0.
ISC XI 28 22 56 49.0–.41 21.17N–.06 145.11E–.09 83 4.5b 124 4-148
BJI XI 28 22 56 41.3 20.87N 145.60E 69 4.9b,4.7b **¶601995131**
NEIC XI 28 22 56 47.9–1.1 21.10N 145.00E 71–9 4.7b,4.7b
ISCJB XI 28 22 56 48.1–.27 21.12N–.04 144.93E–.05 83 4.5b,4.7b
IDC XI 28 22 56 48.6–1.8 21.11N 145.06E 80–14 4.4,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.4km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=144.4.
IDC Error ellipse: s-maj=16.4km s-min=11.2km az=79.0.
ISC XI 29 18 40 40.5–1.9 18.05N–.10 147.1E–.40 50 3.9b 12 5-88
ISCJB XI 29 18 40 39.1–1.4 18.03N–.08 147.0E–.30 50 3.8b,2.5s **¶602390182**
IDC XI 29 18 40 44.9–5.3 17.96N 146.79E 84–38 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=45.7km s-min=8.3km az=9.3.
IDC Error ellipse: s-maj=82.9km s-min=16.0km az=90.0.
ISC XII 04 13 15 48.4–.68 20.18N–.08 146.6E–.20 35 3.9b 28 7-147
ISCJB XII 04 13 15 46.1–.61 20.12N–.05 146.7E–.10 33 3.9b,2.8s **¶602390450**
IDC XII 04 13 15 49.8–3.1 20.12N 146.55E 50–30 4.2L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.8km az=4.1.
IDC Error ellipse: s-maj=25.6km s-min=14.3km az=83.0.
ISC XII 07 17 07 46.4–1.0 16.9N–.10 147.5E–.20 41 3.3b 9 4-83
IDC XII 07 17 07 40.5–.98 16.89N 147.55E 0 3.6,3.6L **¶602390711**
ISCJB XII 07 17 07 44.9–.91 16.9N–.10 147.5E–.20 41 3.3b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 15 25 23.6–.95 16.9N–.10 147.5E–.20 41 3.5b 10 4-83
ISCJB XII 08 15 25 21.9–.85 16.9N–.10 147.4E–.20 41 3.5b,2.8s **¶602390823**
IDC XII 08 15 25 24.1–4.1 16.83N 147.46E 48–41 3.8L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.6km s-min=9.6km az=29.4.
IDC Error ellipse: s-maj=33.7km s-min=25.2km az=110.0.
IDC XII 09 17 50 01.9–18 21.21N 142.18E 689–148 3.7,2.6
¶602090169

IDC Error ellipse: s-maj=525.5km s-min=23.1km az=76.0.
ISC XII 10 09 11 52.8–.93 21.6N–.10 143.1E–.20 311 3.5b 14 14-146
ISCJB XII 10 09 11 51.3–.80 21.6N–.10 143.0E–.20 311 3.6b **¶602390973**
IDC XII 10 09 11 51.1–4.9 21.63N 143.10E 292–49 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=14.7km az=170.9.
IDC Error ellipse: s-maj=27.6km s-min=11.9km az=86.0.
IDC XII 12 13 45 00.7–21 20.97N 143.25E 365–203 3.5,2.9
¶602391189

IDC Error ellipse: s-maj=187.9km s-min=23.2km az=75.0.
IDC XII 13 04 13 20.4–13 21.59N 143.20E 232–127 3.8,3.4
¶602391230

IDC Error ellipse: s-maj=34.5km s-min=18.8km az=73.0.
IDC XII 13 12 58 59.7–1.4 21.51N 146.36E 0 3.9,3.6
¶602391266

IDC Error ellipse: s-maj=53.9km s-min=30.0km az=96.0.
IDC XII 15 09 17 01.4–11 21.63N 142.94E 380–163 3.5,2.9
¶602391374

IDC Error ellipse: s-maj=140.3km s-min=27.8km az=78.0.
ISC XII 16 07 39 12.3–1.0 21.6N–.10 143.1E–.30 311 3.3b 11 21-83
ISCJB XII 16 07 39 10.8–.89 21.6N–.10 143.2E–.30 311 3.4b **¶602391456**
IDC XII 16 07 39 13.7–7.1 21.61N 143.06E 324–73 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.9km s-min=13.5km az=170.1.
IDC Error ellipse: s-maj=38.8km s-min=11.3km az=81.0.
ISC XII 17 18 03 42.5–1.1 21.61N–.09 143.0E–.30 311 13 6-146
ISCJB XII 17 18 03 40.7–1.1 21.57N–.08 143.1E–.40 311 3.6b **¶602391561**
IDC XII 17 18 03 42.4–1.9 21.60N 142.89E 306–20 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=54.9km s-min=9.6km az=174.9.
IDC Error ellipse: s-maj=46.6km s-min=12.6km az=81.0.
ISC XII 19 10 49 48.0–1.1 14.7N–.20 147.2E–.10 33 4.2b 16 3-146
IDC XII 19 10 49 43.1–1.2 14.69N 147.24E 0 4.2,4.0 **¶602391665**
ISCJB XII 19 10 49 46.4–.00 14.7N–.10 147.2E–.10 33 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC XII 20 18 36 08.9–22 21.71N 143.21E 271–223 3.6,3.2
¶602391744

IDC Error ellipse: s-maj=43.3km s-min=36.5km az=87.0.
ISC XII 26 16 58 46.3–1.1 16.4N–.10 147.9E–.20 35 3.6b 11 4-90
IDC XII 26 16 58 41.1–1.0 16.41N 147.94E 0 4.1L,3.9 **¶602380650**
ISCJB XII 26 16 58 44.4–.90 16.4N–.10 147.8E–.20 33 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 01 06 22.6–1.3 21.6N–.20 143.0E–.30 311 3.4b 8 20-83
ISCJB XII 27 01 06 21.2–1.2 21.6N–.20 143.1E–.30 311 3.3b **¶602380685**
IDC XII 27 01 06 24.1–6.9 21.63N 143.00E 326–69 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.7km s-min=21.2km az=171.2.
IDC Error ellipse: s-maj=39.4km s-min=19.4km az=83.0.
ISC XII 29 17 33 15.9–.89 21.6N–.10 143.2E–.20 311 3.2b 16 15-83
ISCJB XII 29 17 33 14.5–.73 21.6N–.10 143.2E–.20 311 3.3b **¶602380848**

IDC XII 29 17 33 17.0–4.6 21.60N 143.19E 323–46 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=14.4km az=175.5.
IDC Error ellipse: s-maj=22.7km s-min=12.9km az=85.0.
ISC XII 29 20 08 22.3–2.3 22.0N–.20 144.5E–.60 105 3.8b 8 21-83
IDC XII 29 20 08 33.7–6.4 21.97N 144.16E 209–55 3.9,3.4 **¶602380851**
ISC Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=19.6km az=81.0.
IDC XII 30 09 54 07.6–1.4 21.57N 145.96E 0 3.4,3.2
¶602380886

IDC Error ellipse: s-maj=64.6km s-min=27.1km az=97.0.
ISC XII 30 12 06 47.2–.80 21.6N–.10 143.5E–.20 250 3.4b 14 16-145
ISCJB XII 30 12 06 45.4–.72 21.59N–.08 143.6E–.20 250 3.4b **¶602380889**
IDC XII 30 12 06 48.0–5.4 21.60N 143.47E 256–53 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.7km s-min=11.4km az=176.1.
IDC Error ellipse: s-maj=29.4km s-min=10.4km az=88.0.
IDC XII 31 22 12 54.9–7.5 21.95N 143.05E 308–73 3.5,3.0
¶602380519

IDC Error ellipse: s-maj=42.2km s-min=21.4km az=79.0.

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ISC VII 01 02 04 37.3–.53 14.09N–.05 145.14E–.06 105–4 4.7b 265 1-152
DJA VII 01 02 04 35.9–1.1 14N–14 145E–6.0 96–4 5.6b,5.2b **¶601218157**
ISCJB VII 01 02 04 36.0–.55 14.09N–.03 145.07E–.04 102–5 4.6b,5.2b
IDC VII 01 02 04 36.4–.53 14.12N 145.18E 95–4 4.6,4.3
NEIC VII 01 02 04 37.2–.69 14.09N 145.10E 101–6 4.7b,4.3
GCMT VII 01 02 04 37.2–.40 14.07N 145.10E 134–6 4.9W,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.6km az=30.6.
IDC Error ellipse: s-maj=15.6km s-min=7.8km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=100.0. Felt on Saipan. Felt [III] at Barrigada, Santa Rita, Tamuning and Yigo, Guam. Also felt at Andersen AFB, Apra Harbor, Dededo, Hagatna Heights, Mangilao and Mongmong.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c14; s68,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$1.61±.13; $M_{\phi\phi}$-1.14±.14; $M_{r\theta}$1.26±.09; $M_{\theta\phi}$0.81±.13; $M_{\phi r}$-1.41±.10; Best double couple: NP1:ϕ_s298.00000°,δ81.00000°,λ-47.00000°. NP2:ϕ_s38.00000°,δ43.00000°,λ-167.00000°. Principal axes: T 2.2090,Plg24.0000°,Azm357.0000°; N 0.5100,Plg42.0000°,Azm110.0000°; P -2.7250,Plg39.0000°,Azm246.0000° M_o2.46700×10^{16}
ISC VII 01 14 31 25.8–.59 18.72N–.07 145.6E–.20 200 3.8b 24 5-87
ISCJB VII 01 14 31 24.3–.46 18.75N–.05 145.5E–.10 200 3.6b **¶601663362**
IDC VII 01 14 31 27.5–2.2 18.74N 145.55E 217–22 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=6.7km az=179.3.
IDC Error ellipse: s-maj=15.9km s-min=8.4km az=87.0.
ISC VII 03 02 02 19.6–.35 13.89N–.06 144.91E–.07 125 4.5b 116 0-148
BJI VII 03 02 02 15.6 13.48N 145.02E 134 4.7b,4.6b **¶601258031**
ISCJB VII 03 02 02 20.9–.23 13.79N–.03 144.68E–.06 150 4.4b,4.6b
IDC VII 03 02 02 20.8–.33 13.82N 144.71E 132–3 4.3,4.0
NEIC VII 03 02 02 21.1–.75 13.85N 144.70E 140–7 4.8b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=175.1.
IDC Error ellipse: s-maj=19.9km s-min=9.2km az=81.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.3km az=93.0. Felt at Andersen AFB, Barrigada, Dededo, Mangilao, Santa Rita and Yigo.
IDC VII 05 23 29 00.2–3.5 14.43N 146.83E 0 3.7,3.6
¶601663526

IDC Error ellipse: s-maj=83.7km s-min=26.3km az=144.0.
ISC VII 06 07 36 42.4–.93 20.7N–.10 144.6E–.20 200 3.5b 10 7-85
ISCJB VII 06 07 36 40.8–.76 20.67N–.08 144.6E–.20 200 3.3b **¶601663533**
IDC VII 06 07 36 41.4–2.8 20.69N 144.65E 190–25 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.3km s-min=10.6km az=168.7.
IDC Error ellipse: s-maj=27.4km s-min=15.2km az=96.0.
ISC VII 08 18 17 55.4–1.0 13.9N–.10 145.6E–.20 100 3.4b 11 1-91
ISCJB VII 08 18 17 53.6–.82 13.96N–.10 145.7E–.10 100 3.5b **¶601664303**
IDC VII 08 18 17 54.5–2.1 13.96N 145.64E 90–14 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=12.7km az=23.5.
IDC Error ellipse: s-maj=39.4km s-min=15.7km az=83.0.
ISC VII 09 10 38 57.6–.28 17.20N–.04 146.19E–.06 98 5.0b 528 4-150
ISCJB VII 09 10 38 56.6–.11 17.12N–.02 146.11E–.03 98 4.9b **¶601246612**
BJI VII 09 10 38 59.2 17.10N 146.10E 126 4.7b,4.6b
GCMT VII 09 10 39 00.9–.40 17.04N 146.63E 99–4 4.9W,4.6b
NEIC VII 09 10 39 00.8–.73 17.14N 146.02E 126–6 5.0b,4.6b
IDC VII 09 10 39 00.4–1.3 17.20N 146.05E 127–11 4.7,4.3
MOS VII 09 10 39 00.0–1.0 17.15N 145.98E 131 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=13.2.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c14; s69,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.13 $M_{\theta\theta}$2.49±.14; $M_{\phi\phi}$-2.65±.14; $M_{r\theta}$-1.32±.07; $M_{\theta\phi}$0.82±.15; $M_{\phi r}$1.05±.08; Best double couple: NP1:ϕ_s307.00000°,δ89.00000°,λ32.00000°. NP2:ϕ_s216.00000°,δ58.00000°,λ179.00000°. Principal axes: T 3.1040,Plg23.0000°,Azm176.0000°; N 0.1510,Plg58.0000°,Azm309.0000°; P -3.2620,Plg21.0000°,Azm77.0000° M_o3.18300×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=101.0.
IDC Error ellipse: s-maj=14.0km s-min=6.7km az=96.0.
MOS Error ellipse: s-maj=10.2km s-min=6.0km az=83.3.
ISC VII 09 23 10 53.8–.00 19.1N–.10 145.6E–.20 150 3.5b 10 24-86
IDC VII 09 23 10 50.9–10 19.09N 145.76E 122–98 3.6,3.4 **¶601664357**
ISCJB VII 09 23 10 52.4–.82 19.1N–.10 145.7E–.20 150 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC VII 10 13 00 26.9–.80 18.8N–.10 145.3E–.30 214 3.6b 10 5-148
IDC VII 10 13 00 21.8–2.8 18.93N 145.33E 161–27 3.9,3.7 **¶601664383**
ISCJB VII 10 13 00 25.6–.69 18.78N–.08 145.3E–.30 214 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 14 15 14 12.2–.82 16.2N–.10 145.6E–.20 400 3.6b 13 3-151
ISCJB VII 14 15 14 11.3–.75 16.24N–.09 145.5E–.20 400 3.6b **¶601664573**
IDC VII 14 15 14 11.4–.96 16.25N 145.66E 386–10 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.5km s-min=11.6km az=0.4.
IDC Error ellipse: s-maj=23.7km s-min=13.4km az=83.0.
IDC VII 15 11 15 23.2–8.4 18.85N 146.57E 0 3.6,3.5
¶601664619

IDC Error ellipse: s-maj=332.9km s-min=22.4km az=81.0.
IDC VII 16 01 40 15.1–1.0 18.58N 145.93E 0 4.1,3.9
¶601664653

IDC Error ellipse: s-maj=43.9km s-min=23.7km az=106.0.
ISC VII 16 23 45 26.1–1.0 14.6N–.10 145.6E–.20 109 4.0b 14 1-91
ISCJB VII 16 23 45 24.5–.97 14.62N–.09 145.6E–.20 109 4.0b **¶601664698**
IDC VII 16 23 45 26.2–1.5 14.53N 145.61E 111–15 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=10.3km az=19.5.
IDC Error ellipse: s-maj=25.9km s-min=21.9km az=77.0.
IDC VII 17 16 21 17.4–13 19.45N 145.96E 230–133 3.6,3.2
¶601664730

IDC Error ellipse: s-maj=29.3km s-min=17.2km az=92.0.
IDC VII 20 01 11 13.2–4.9 17.02N 146.85E 0 3.9,3.8
¶601664858

IDC Error ellipse: s-maj=193.1km s-min=21.9km az=83.0.
ISC VII 20 08 17 40.1–.43 13.72N–.08 144.63E–.09 129 4.3b 79 0-148
ISCJB VII 20 08 17 38.6–.26 13.65N–.04 144.57E–.06 129 4.3b **¶601484387**
IDC VII 20 08 17 40.3–.37 13.68N 144.61E 133–4 4.2,3.9
NEIC VII 20 08 17 41.7–.69 13.68N 144.66E 145–6 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=4.2.

IDC Error ellipse: s-maj=20.4km s-min=12.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=100.0.
ISC VII 22 01 34 04.8–.99 14.9N–.10 147.0E–.10 32 4.0b 20 2-146
IDC VII 22 01 34 00.5–.97 14.87N 146.94E 0 4.3L,4.0 ¶601484391
ISCJB VII 22 01 34 02.9–.83 14.87N–.09 147.0E–.10 32 4.0b,4.0
NEIC VII 22 01 34 05.5–.64 14.87N 146.90E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=16.4km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=8.7km az=34.4.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.8km az=98.0.
IDC VII 22 12 21 56.7–6.7 19.76N 144.01E 0 3.5,3.4
¶601664971
IDC Error ellipse: s-maj=273.7km s-min=21.5km az=78.0.
ISC VII 24 02 27 40.6–1.2 18.4N–.10 145.8E–.40 150 3.5b 7 5-87
ISCJB VII 24 02 27 38.9–1.1 18.41N–.09 145.9E–.40 150 3.5b ¶601666355
IDC VII 24 02 27 44.2–2.5 18.14N 145.83E 188–24 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=54.2km s-min=10.7km az=6.6.
IDC Error ellipse: s-maj=47.8km s-min=18.8km az=101.0.
IDC VII 24 08 30 08.8–2.3 19.04N 145.33E 240–22 4.1,3.6
¶601666363
IDC Error ellipse: s-maj=42.3km s-min=15.0km az=89.0.
ISC VII 27 19 30 37.5–.80 19.01N–.07 145.5E–.20 214 3.6b 16 5-87
ISCJB VII 27 19 30 36.0–.70 19.03N–.05 145.6E–.20 214 3.5b ¶601666534
IDC VII 27 19 30 37.1–1.8 19.01N 145.63E 211–17 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=7.6km az=177.1.
IDC Error ellipse: s-maj=25.4km s-min=10.1km az=83.0.
ISC VII 29 08 27 16.8–1.0 20.0N–.10 145.7E–.20 35 3.9b 14 18-91
IDC VII 29 08 27 11.3–.94 20.07N 145.79E 0 4.0,3.9 ¶601666617
ISCJB VII 29 08 27 14.9–.81 20.0N–.10 145.8E–.20 35 3.8b,2.8s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 02 00 10 56.1–.77 13.7N–.10 144.8E–.20 150 3.9b 15 0-148
IDC VIII 02 00 10 55.7–.44 13.73N 144.69E 133–4 4.0,3.8 ¶601765330
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=12.6km az=77.0.
ISC VIII 03 20 07 23.7–.34 14.81N–.05 146.87E–.06 32 4.8b,4.0s 155 2-146
IDC VIII 03 20 07 18.8–.47 14.95N 146.95E 0 4.4,4.3 ¶601518044
ISCJB VIII 03 20 07 21.8–.20 14.82N–.03 146.81E–.04 32 4.7b,4.0s
BJI VIII 03 20 07 21.6 15.08N 147.00E 26 5.1b,4.7b
NEIC VIII 03 20 07 25.6–1.1 14.82N 146.76E 51–9 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=10.0km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.4km az=1.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=92.0.
ISC VIII 06 07 15 06.6–.74 18.8N–.10 145.6E–.20 214 3.8b 14 9-148
ISCJB VIII 06 07 15 05.0–.60 18.79N–.10 145.6E–.20 214 3.6b ¶601765540
IDC VIII 06 07 15 05.3–11 18.80N 145.55E 201–110 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.1km s-min=13.3km az=1.4.
IDC Error ellipse: s-maj=26.1km s-min=17.1km az=70.0.
ISC VIII 07 17 06 17.8–.78 13.7N–.10 144.8E–.20 150 3.6b 13 0-148
ISCJB VIII 07 17 06 16.5–.64 13.7N–.10 144.7E–.20 150 3.5b ¶601765616
IDC VIII 07 17 06 17.2–.40 13.74N 144.63E 138–5 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=14.8km az=170.1.
IDC Error ellipse: s-maj=24.0km s-min=14.6km az=90.0.
IDC VIII 09 10 05 45.6–1.8 13.71N 144.70E 122–15 3.7,3.6
¶601765694
IDC Error ellipse: s-maj=90.0km s-min=22.3km az=118.0.
ISC VIII 11 21 01 11.8–.46 18.69N–.05 145.6E–.10 200 4.1b 51 5-148
ISCJB VIII 11 21 01 10.7–.36 18.64N–.04 145.68E–.09 200 4.0b ¶601582224
NEIC VIII 11 21 01 11.6–1.0 18.65N 145.71E 192–10 4.4b
IDC VIII 11 21 01 11.0–.71 18.68N 145.63E 184–6 4.3,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=177.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.1km az=84.0.
IDC Error ellipse: s-maj=16.8km s-min=9.2km az=86.0.
ISC VIII 12 19 12 47.0–1.5 20.0N–.10 144.6E–.30 450 3.6b 16 16-85
ISCJB VIII 12 19 12 45.6–1.2 19.9N–.10 144.6E–.30 450 3.6b ¶601765784
IDC VIII 12 19 12 45.5–3.2 19.95N 144.69E 433–31 4.1,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.1km s-min=14.1km az=175.2.
IDC Error ellipse: s-maj=40.0km s-min=12.9km az=86.0.
ISC VIII 15 10 10 01.7–.62 13.02N–.06 145.67E–.06 47–4 4.9b,3.9s 397 1-151
ISCJB VIII 15 10 09 57.0–1.9 13.13N–.04 145.56E–.03 18–13 4.9b,4.1s ¶601561884
DJA VIII 15 10 09 58.1–5.2 13N–10 146E–11 25–43 5.8b,5.3
MOS VIII 15 10 10 00.3–1.1 13.15N 145.55E 47 5.2b,5.3
NEIC VIII 15 10 10 02.7–.77 13.04N 145.55E 55–6 4.9b,5.3
IDC VIII 15 10 10 03.2–1.3 13.06N 145.63E 61–9 4.9,4.6
BJI VIII 15 10 10 03.0 13.22N 145.66E 64 5.1b,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.8km az=2.3.
MOS Error ellipse: s-maj=15.3km s-min=7.1km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=146.0. Felt at Barrigada.
IDC Error ellipse: s-maj=14.7km s-min=12.6km az=102.0.
ISC VIII 18 09 21 22.9–.94 20.58N–.08 144.9E–.30 129 3.8b 16 7-85
ISCJB VIII 18 09 21 21.7–.80 20.57N–.06 144.8E–.20 129 3.6b ¶601766040
IDC VIII 18 09 21 26.2–2.5 20.46N 144.85E 166–25 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.1km s-min=7.8km az=172.2.
IDC Error ellipse: s-maj=29.4km s-min=11.2km az=81.0.
IDC VIII 18 18 50 28.6–4.9 20.09N 144.01E 0 3.7,3.7
¶601766091
IDC Error ellipse: s-maj=214.5km s-min=97.3km az=45.0.
ISC VIII 19 00 13 10.1–1.1 19.06N–.08 145.4E–.30 214 3.9b 11 5-86
ISCJB VIII 19 00 13 09.0–.96 19.03N–.06 145.4E–.30 214 3.8b ¶601766123
IDC VIII 19 00 13 11.2–2.2 19.05N 145.53E 223–21 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.7km s-min=7.0km az=172.9.
IDC Error ellipse: s-maj=37.4km s-min=13.0km az=84.0.
IDC VIII 24 22 07 04.4–.72 13.78N 144.42E 133–36 3.6,3.3
¶601766417
IDC Error ellipse: s-maj=143.2km s-min=21.1km az=83.0.
IDC VIII 30 21 39 55.2–.67 13.78N 144.43E 134–12 3.5,3.3
¶601755642
IDC Error ellipse: s-maj=52.2km s-min=20.5km az=82.0.
IDC VIII 31 01 06 37.2–.88 15.92N 145.50E 357–9 3.9,3.4
¶601755646
IDC Error ellipse: s-maj=23.6km s-min=15.1km az=88.0.
ISC IX 01 05 18 13.1–1.4 16.6N–.20 145.7E–.30 250 3.7b 9 22-89
ISCJB IX 01 05 18 11.6–1.2 16.6N–.10 145.7E–.20 250 3.7b ¶601862697
IDC IX 01 05 18 14.9–8.2 16.56N 145.66E 267–84 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.6km s-min=19.7km az=6.7.
IDC Error ellipse: s-maj=29.9km s-min=18.4km az=95.0.
ISC IX 04 00 36 33.1–.73 18.29N–.08 146.3E–.20 64 4.1b 22 5-133
IDC IX 04 00 36 24.6–.75 18.36N 146.43E 0 4.1,4.0 ¶601862891
ISCJB IX 04 00 36 31.6–.69 18.35N–.06 146.3E–.20 64 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC IX 05 22 21 53.0–1.2 18.22N 145.93E 0 4.1,3.8
¶601863008
IDC Error ellipse: s-maj=39.1km s-min=21.4km az=82.0.
IDC IX 07 13 46 53.3–.96 13.84N 144.96E 136–4 3.8,3.7
¶601863117
IDC Error ellipse: s-maj=94.4km s-min=19.7km az=111.0.
ISC IX 07 17 10 57.4–.80 18.32N–.09 146.6E–.20 64 3.9b 12 5-88
ISCJB IX 07 17 10 55.7–.66 18.29N–.07 146.6E–.20 64 3.9b ¶601863123
IDC IX 07 17 10 59.7–3.8 18.27N 146.56E 86–35 4.0,3.8

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.3km s-min=10.6km az=0.7.
IDC Error ellipse: s-maj=35.2km s-min=14.4km az=88.0.
IDC IX 09 21 26 18.1–1.3 14.75N 146.33E 0 3.8,3.5b
¶601863263
IDC Error ellipse: s-maj=46.8km s-min=21.7km az=111.0.
ISC IX 11 03 52 48.3–.86 13.1N–.10 144.8E–.20 54 3.7b 12 1-148
ISCJB IX 11 03 52 46.6–.78 13.01N–.09 144.7E–.20 54 3.6b,2.5s ¶601863331
IDC IX 11 03 52 47.1–1.4 13.06N 144.76E 41–11 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.2km s-min=10.5km az=18.8.
IDC Error ellipse: s-maj=28.5km s-min=17.0km az=107.0.
ISC IX 11 08 28 06.4–.56 14.43N–.07 146.95E–.08 33 4.6b 107 2-146
IDC IX 11 08 28 00.6–.76 14.47N 146.98E 0 4.4L,4.3 ¶601705110
ISCJB IX 11 08 28 04.7–.35 14.43N–.05 146.94E–.05 33 4.5b,4.3
MOS IX 11 08 28 04.6–1.2 14.52N 146.90E 33 5.1b,4.3
BJI IX 11 08 28 05.2 14.35N 146.94E 39 4.9b,4.7b
NEIC IX 11 08 28 07.6–1.2 14.45N 146.83E 43–10 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=15.4km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=43.2.
MOS Error ellipse: s-maj=13.7km s-min=9.0km az=114.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.5km az=111.0.
IDC IX 14 09 50 01.4–1.3 19.13N 145.16E 0 3.9,3.5
¶601863518
IDC Error ellipse: s-maj=132.4km s-min=19.8km az=117.0.
ISC IX 14 20 48 30.8–1.4 13.1N–.20 145.7E–.20 50 3.7b,3.0s 8 1-62
IDC IX 14 20 48 23.2–1.6 13.16N 146.02E 0 3.8,3.6 ¶601863553
ISCJB IX 14 20 48 28.9–1.1 13.1N–.10 145.8E–.10 50 3.6b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 07 22 42.2–.71 15.79N–.08 145.6E–.20 200 3.9b 20 2-143
ISCJB IX 15 07 22 40.8–.56 15.83N–.06 145.6E–.10 200 3.9b ¶601863575
IDC IX 15 07 22 43.9–1.7 15.75N 145.59E 219–17 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=8.3km az=8.4.
IDC Error ellipse: s-maj=17.4km s-min=10.9km az=91.0.
ISC IX 16 01 43 22.7–.76 20.6N–.10 144.9E–.20 129 4.0b 20 17-148
ISCJB IX 16 01 43 21.0–.66 20.52N–.08 145.0E–.20 129 3.8b ¶601863628
IDC IX 16 01 43 27.3–5.6 20.58N 144.80E 170–52 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=11.7km az=177.3.
IDC Error ellipse: s-maj=21.0km s-min=11.9km az=88.0.
IDC IX 16 16 42 53.6–2.6 18.27N 145.27E 489–30 3.5,2.9
¶601863664
IDC Error ellipse: s-maj=34.5km s-min=22.0km az=71.0.
ISC IX 19 09 02 03.9–.94 14.2N–.10 146.3E–.10 35 4.0b 15 2-91
ISCJB IX 19 09 02 02.0–.84 14.3N–.10 146.2E–.10 33 3.9b ¶601863820
IDC IX 19 09 02 10.1–1.9 14.19N 145.80E 83–14 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=10.5km az=41.0.
IDC Error ellipse: s-maj=29.6km s-min=15.9km az=94.0.
ISC IX 24 08 37 08.5–.39 18.62N–.05 145.61E–.09 250 4.3b 111 2-150
BJI IX 24 08 37 01.5 18.38N 146.17E 246 4.6b,4.5b ¶601738492
ISCJB IX 24 08 37 07.2–.23 18.65N–.03 145.58E–.06 250 4.2b,4.5b
IDC IX 24 08 37 08.6–1.1 18.62N 145.50E 250–10 4.4,3.9
NEIC IX 24 08 37 08.4–.54 18.64N 145.59E 246–5 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.1km az=175.0.
IDC Error ellipse: s-maj=13.4km s-min=6.5km az=89.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=81.0.
ISC IX 25 07 47 45.3–.89 18.8N–.10 145.3E–.20 550 3.6b 14 24-148
ISCJB IX 25 07 47 44.2–.78 18.8N–.10 145.3E–.20 550 3.5b ¶601864140
IDC IX 25 07 47 44.9–4.2 18.83N 145.36E 543–51 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=15.2km az=2.3.
IDC Error ellipse: s-maj=27.2km s-min=14.2km az=87.0.
ISC IX 28 12 11 48.1–.51 13.44N–.05 144.59E–.07 112–4 4.5b 189 0-152
BJI IX 28 12 11 45.7 13.35N 144.63E 115 5.3b,4.6b ¶601757213
ISCJB IX 28 12 11 47.8–.48 13.49N–.04 144.43E–.04 115–4 4.5b,4.6b
DJA IX 28 12 11 48.1–.50 14N–6.0 145E–8.0 108–7 5.0b,4.5
IDC IX 28 12 11 48.0–.44 13.61N 144.66E 112–4 4.4,4.2
NEIC IX 28 12 11 49.4–.50 13.50N 144.46E 121–4 4.6b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=6.0km az=146.9.
IDC Error ellipse: s-maj=16.6km s-min=10.6km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.6km az=120.0. Felt [III] at Santa Rita and Yigo and [II] at Barrigada. Also felt at Agat, Asan, Dededo, Tamuning and Yona.
IDC X 02 03 01 35.0–6.2 18.20N 145.55E 187–45 4.0,3.7
¶601996757
IDC Error ellipse: s-maj=113.3km s-min=29.8km az=125.0.
ISC X 02 13 39 21.8–.98 18.4N–.10 146.0E–.30 100 3.5b 8 5-83
ISCJB X 02 13 39 20.1–.85 18.41N–.09 145.9E–.30 100 3.5b ¶601996805
IDC X 02 13 39 21.8–3.5 18.38N 145.96E 100–32 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.7km s-min=10.3km az=12.1.
IDC Error ellipse: s-maj=37.0km s-min=19.9km az=108.0.
IDC X 03 17 58 00.8–2.6 13.20N 144.68E 115–67 3.6,3.4
¶601996964
IDC Error ellipse: s-maj=163.4km s-min=93.1km az=8.0.
ISC X 04 15 37 28.8–.63 13.09N–.05 144.03E–.06 157–6 4.7b 189 1-149
BJI X 04 15 37 23.5 12.86N 144.49E 156 5.0b,4.5b ¶601783850
ISCJB X 04 15 37 28.0–.51 13.11N–.03 143.95E–.03 162–4 4.7b,4.5b
IDC X 04 15 37 28.9–.48 13.18N 144.06E 157–5 4.4,4.1
NEIC X 04 15 37 30.3–.13 13.13N 143.94E 170 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.9km az=6.7.
IDC Error ellipse: s-maj=15.7km s-min=9.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=102.0.
ISC X 05 02 50 04.1–.91 18.5N–.10 146.6E–.20 64 4.2b 21 5-150
NEIC X 05 02 50 00.9–.40 18.46N 146.68E 35 4.1b ¶601866936
ISCJB X 05 02 50 02.3–.81 18.50N–.08 146.6E–.20 64 4.2b
IDC X 05 02 50 03.4–7.7 18.46N 146.60E 56–70 4.1,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=11.7km az=175.1.
IDC Error ellipse: s-maj=40.3km s-min=16.3km az=86.0.
IDC X 06 12 11 03.9–.68 13.78N 144.93E 132–4 3.4,3.3
¶601997269
IDC Error ellipse: s-maj=40.7km s-min=19.4km az=103.0.
ISC X 06 16 10 29.6–1.3 15.24N–.10 145.7E–.30 200 3.4b 11 2-67
ISCJB X 06 16 10 27.9–1.1 15.32N–.08 145.7E–.20 200 3.4b ¶601997295
IDC X 06 16 10 29.9–1.3 15.23N 145.65E 201–8 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.5km s-min=10.7km az=5.9.
IDC Error ellipse: s-maj=27.7km s-min=12.8km az=90.0.
ISC X 07 08 46 47.4–.55 14.26N–.08 146.39E–.08 35 4.5s,4.3b 47 2-98
ISCJB X 07 08 46 45.3–.37 14.20N–.06 146.25E–.08 33 4.4s,4.3b ¶601906663
NEIC X 07 08 46 50.9–1.1 14.17N 146.31E 72–10 4.6b,4.3b
IDC X 07 08 46 53.0–1.8 14.21N 146.18E 86–16 4.2s,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=174.3.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.0km az=83.0.
IDC Error ellipse: s-maj=22.2km s-min=13.2km az=103.0.
IDC X 19 20 25 52.9–4.4 18.94N 145.36E 112–36 3.9,3.6
¶601998968
IDC Error ellipse: s-maj=122.1km s-min=23.1km az=88.0.
ISC X 23 04 57 25.5–.70 14.78N–.07 144.8E–.20 35 4.3b,3.1s 29 1-90
ISCJB X 23 04 57 23.7–.47 14.83N–.05 144.8E–.10 33 4.2b,3.2s ¶601999338
NEIC X 23 04 57 25.8–1.3 14.82N 144.84E 38–13 4.6b,3.2s
IDC X 23 04 57 25.5–5.9 14.80N 144.71E 32–50 4.1,4.1

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.3km az=166.2.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.1km az=79.0.
IDC Error ellipse: s-maj=53.3km s-min=15.7km az=85.0.
ISC X 23 06 50 27.9–.68 18.19N–.08 146.6E–.20 66 4.2b 41 2-93
ISCJB X 23 06 50 26.1–.37 18.23N–.05 146.61E–.10 66 4.2b **¶601999343**
NEIC X 23 06 50 27.9–1.1 18.19N 146.61E 69–10 4.4b
IDC X 23 06 50 29.5–7.2 18.21N 146.63E 82–66 4.2L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=7.1km az=8.9.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.9km az=90.0.
IDC Error ellipse: s-maj=28.4km s-min=13.4km az=91.0.
ISC X 27 16 41 52.1–.92 19.12N–.09 145.4E–.20 214 3.4b 11 6-83
ISCJB X 27 16 41 50.5–.81 19.18N–.07 145.4E–.20 214 3.3b **¶601999845**
IDC X 27 16 41 53.9–2.2 19.00N 145.48E 238–22 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=9.5km az=177.2.
IDC Error ellipse: s-maj=22.6km s-min=14.4km az=79.0.
ISC X 27 20 55 29.6–.32 18.61N–.04 146.71E–.06 64 4.8b 262 2-149
BJI X 27 20 55 24.5 18.18N 147.05E 75 5.1b,4.7b **¶601852932**
ISCJB X 27 20 55 27.8–.18 18.57N–.02 146.74E–.04 64 4.7b,4.7b
MOS X 27 20 55 30.2–1.1 18.58N 146.56E 80 4.5b,4.7b
NEIC X 27 20 55 31.0–.75 18.56N 146.68E 77–7 4.8b,4.7b
IDC X 27 20 55 31.9–1.8 18.57N 146.59E 81–16 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.9km az=14.6.
MOS Error ellipse: s-maj=12.0km s-min=6.3km az=97.9.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=97.0.
IDC Error ellipse: s-maj=16.4km s-min=8.1km az=90.0.
ISC X 29 19 16 25.7–.61 18.41N–.06 146.2E–.10 131–4 4.3b 42 5-150
ISCJB X 29 19 16 24.9–1.6 18.41N–.06 146.3E–.10 143–15 4.2b **¶601859231**
IDC X 29 19 16 25.5–.57 18.40N 146.28E 131–4 4.2,3.9
NEIC X 29 19 16 26.4–1.6 18.39N 146.26E 140–15 4.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=9.2km az=179.3.
IDC Error ellipse: s-maj=15.2km s-min=8.3km az=100.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=87.0.
IDC X 30 07 21 44.2–4.1 18.93N 145.20E 164–36 4.1,3.9
¶602000447
IDC Error ellipse: s-maj=77.0km s-min=14.9km az=116.0.
ISC X 30 16 56 47.7–.56 14.51N–.06 146.94E–.08 33 4.4b 75 2-150
IDC X 30 16 56 42.9–.65 14.61N 146.86E 0 5.0L,4.3 **¶601867014**
ISCJB X 30 16 56 45.8–.45 14.54N–.05 146.96E–.07 33 4.4b,2.9s
NEIC X 30 16 56 48.8–.95 14.50N 146.82E 42–8 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=13.0km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.9km az=23.8.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=84.0.
ISC X 31 14 27 46.2–.76 13.65N–.08 144.9E–.10 131–6 4.2b 50 0-148
ISCJB X 31 14 27 45.3–.53 13.68N–.06 144.77E–.08 137–5 4.0b **¶602000628**
IDC X 31 14 27 45.7–.39 13.76N 144.91E 125–3 4.2,3.9
NEIC X 31 14 27 47.1–.58 13.70N 144.82E 140–5 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=9.4km az=176.0.
IDC Error ellipse: s-maj=15.5km s-min=11.2km az=93.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.1km az=80.0.
ISC XI 01 17 21 55.7–.41 18.61N–.05 145.78E–.09 145 4.5b 116 2-148
ISCJB XI 01 17 21 54.5–.20 18.64N–.03 145.75E–.05 145 4.4b **¶601868885**
NEIC XI 01 17 21 56.8–.49 18.59N 145.76E 156–5 4.7b
IDC XI 01 17 21 57.8–1.3 18.57N 145.85E 168–12 4.4,4.0
BJI XI 01 17 21 59.9 18.75N 145.29E 164 4.6b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=5.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=90.0.
IDC Error ellipse: s-maj=12.8km s-min=6.9km az=95.0.
ISC XI 02 20 02 23.6–.43 15.77N–.05 146.83E–.07 33 4.7b 158 1-145
IDC XI 02 20 02 17.6–.60 15.70N 147.03E 0 4.2,4.1L **¶602051247**
ISCJB XI 02 20 02 21.7–.25 15.70N–.03 146.86E–.05 33 4.7b,3.7s
BJI XI 02 20 02 22.3 15.46N 147.32E 72 5.0b,4.6b
MOS XI 02 20 02 24.3–1.4 15.86N 146.75E 50 5.0b,4.6b
NEIC XI 02 20 02 26.7–.98 15.67N 146.82E 66–8 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=11.2km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=22.2.
MOS Error ellipse: s-maj=14.1km s-min=8.2km az=106.3.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.9km az=103.0.
ISC XI 03 05 06 24.7–1.3 14.1N–.20 144.5E–.30 144 3.8b 9 1-92
IDC XI 03 05 06 23.5–1.6 14.15N 144.43E 134–8 4.0,3.8 **¶602388756**
ISCJB XI 03 05 06 24.7–1.5 13.9N–.20 144.5E–.30 144 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 09 49 12.6–.69 18.56N–.08 145.6E–.20 200 3.9b 15 5-148
ISCJB XI 07 09 49 11.0–.59 18.58N–.07 145.4E–.20 200 3.8b **¶602388954**
IDC XI 07 09 49 13.6–2.8 18.65N 145.47E 209–27 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=9.2km az=5.3.
IDC Error ellipse: s-maj=21.1km s-min=13.6km az=98.0.
ISC XI 07 18 08 19.7–.75 19.48N–.08 145.5E–.20 147 3.7b 14 6-86
ISCJB XI 07 18 08 18.5–.66 19.52N–.06 145.5E–.20 147 3.6b **¶602388975**
IDC XI 07 18 08 23.4–2.2 19.27N 145.51E 190–23 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=8.5km az=0.8.
IDC Error ellipse: s-maj=20.1km s-min=13.9km az=89.0.
ISC XI 08 22 39 37.9–1.3 18.6N–.10 146.8E–.40 52 3.9b 7 5-87
ISCJB XI 08 22 39 36.0–1.1 18.6N–.10 146.9E–.40 52 3.9b **¶602389059**
IDC XI 08 22 39 43.5–4.4 18.51N 146.86E 107–40 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=59.6km s-min=10.6km az=15.1.
IDC Error ellipse: s-maj=67.1km s-min=18.6km az=99.0.
ISC XI 08 22 44 41.5–.77 13.9N–.10 144.9E–.20 125 3.9b 12 0-148
IDC XI 08 22 44 39.6–.71 13.94N 144.88E 99–4 3.9,3.8 **¶602389060**
ISCJB XI 08 22 44 40.1–.76 13.9N–.10 144.9E–.20 125 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 23 11 07.3–.84 18.50N–.09 145.4E–.30 150 3.8b 10 5-87
ISCJB XI 08 23 11 05.6–.70 18.55N–.07 145.4E–.30 150 3.7b **¶602389063**
IDC XI 08 23 11 08.0–2.5 18.47N 145.42E 158–25 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.0km s-min=9.2km az=5.8.
IDC Error ellipse: s-maj=46.5km s-min=14.4km az=103.0.
IDC XI 09 04 06 54.1–11 18.69N 145.73E 188–115 3.8,3.5
¶602389073
IDC Error ellipse: s-maj=44.8km s-min=14.7km az=88.0.
ISC XI 09 05 26 42.4–.81 14.25N–.07 146.41E–.10 49 4.2b 26 2-70
IDC XI 09 05 26 36.1–1.8 14.45N 146.46E 0 4.1,4.0 **¶601991584**
ISCJB XI 09 05 26 40.4–.58 14.29N–.06 146.44E–.08 49 4.1b,3.9s
NEIC XI 09 05 26 42.0–.93 14.33N 146.46E 45–9 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=18.9km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=8.0km az=13.1.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.0km az=81.0.
ISC XI 13 04 40 13.6–.64 18.7N–.10 145.5E–.20 250 4.0b 18 18-148
ISCJB XI 13 04 40 12.1–.59 18.69N–.09 145.5E–.20 250 3.8b **¶602389321**
IDC XI 13 04 40 13.7–4.3 18.72N 145.52E 249–41 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=11.4km az=169.7.
IDC Error ellipse: s-maj=23.9km s-min=10.2km az=84.0.
ISC XI 15 04 58 59.1–.39 19.07N–.04 145.86E–.07 130–3 4.8b 422 2-157
BJI XI 15 04 58 53.6 19.02N 146.25E 118 5.0b,4.7b **¶601901499**
ISCJB XI 15 04 58 57.0–.71 19.15N–.03 145.69E–.04 120–6 4.8b,4.7b
MOS XI 15 04 58 58.8–.93 19.20N 145.64E 139 4.9b,4.7b
IDC XI 15 04 58 59.4–.55 19.13N 145.81E 135–4 4.5,4.3
NEIC XI 15 04 58 59.3–.13 19.14N 145.71E 129 4.9b,4.3
GCMT XI 15 04 59 00.3–.40 19.10N–.03 146.21E–.03 106–4 4.9W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s72,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.13 $M_{\theta\theta}$3.11±.16; $M_{\phi\phi}$-2.57±.17; $M_{r\theta}$-0.93±.08; $M_{\theta\phi}$0.23±.19; $M_{\phi r}$1.26±.08; Best double couple: NP1:ϕ_s130.00000°,δ81.00000°,λ-29.00000°. NP2:ϕ_s225.00000°,δ61.00000°,λ-170.00000°. Principal axes: T 3.3330,Plg14.0000° ,Azm181.0000°; N -0.0960,Plg60.0000°,Azm295.0000°; P -3.2320,Plg27.0000° ,Azm84.0000° $M_0$3.28200×10^{16}
ISC XI 15 12 34 31.7–.70 18.69N–.08 146.0E–.20 35 4.3b 28 2-88
IDC XI 15 12 34 26.8–.93 18.66N 146.28E 0 4.2,3.9 **¶602051401**
ISCJB XI 15 12 34 29.8–.38 18.68N–.06 146.0E–.10 35 4.3b,3.9
NEIC XI 15 12 34 31.6–.25 18.62N 146.11E 35 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=19.2km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=7.4km az=15.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.1km az=107.0.
ISC XI 16 11 07 19.2–.83 14.3N–.10 145.6E–.20 109 3.8b 17 1-91
ISCJB XI 16 11 07 17.8–.65 14.33N–.09 145.6E–.10 109 3.8b **¶602389505**
IDC XI 16 11 07 19.9–.86 14.22N 145.50E 119–8 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=9.7km az=25.5.
IDC Error ellipse: s-maj=24.3km s-min=14.8km az=90.0.
ISC XI 17 01 40 03.9–.81 13.7N–.10 144.8E–.20 151–7 3.9b 20 0-148
ISCJB XI 17 01 40 02.8–.64 13.71N–.10 144.7E–.20 152–6 3.8b **¶602389536**
IDC XI 17 01 40 03.5–.36 13.69N 144.82E 148–3 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=15.7km az=8.5.
IDC Error ellipse: s-maj=19.5km s-min=12.5km az=92.0.
IDC XI 19 20 12 24.4–3.4 18.95N 146.40E 223–34 3.4,3.0
¶602389694
IDC Error ellipse: s-maj=37.9km s-min=17.8km az=94.0.
ISC XI 19 21 51 25.5–1.4 15.3N–.10 146.7E–.20 35 3.7b 16 2-66
IDC XI 19 21 51 20.1–1.4 15.29N 146.80E 0 3.8,3.7L **¶602081870**
ISCJB XI 19 21 51 23.5–1.3 15.3N–.10 146.7E–.20 35 3.6b,2.6s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 20 18 50 14.4–6.6 16.00N 145.80E 203–30 3.7,3.2
¶602389749
IDC Error ellipse: s-maj=148.2km s-min=16.3km az=81.0.
ISC XI 20 20 24 48.2–1.1 19.10N–.05 145.9E–.10 95–10 4.3b 61 2-97
ISCJB XI 20 20 24 47.0–.72 19.10N–.03 145.78E–.08 96–7 4.2b **¶602042669**
NEIC XI 20 20 24 48.8–.69 19.09N 145.85E 100–6 4.5b
IDC XI 20 20 24 49.7–2.6 19.06N 145.90E 112–23 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=5.0km az=169.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.3km az=83.0.
IDC Error ellipse: s-maj=19.2km s-min=12.5km az=90.0.
ISC XI 22 06 27 18.8–.52 13.56N–.05 144.80E–.06 136–5 4.6b 88 0-148
BJI XI 22 06 27 13.0 13.20N 145.11E 135 4.9b,4.6b **¶601993631**
DJA XI 22 06 27 15.6–1.1 14N–12 145E–13 136–3 5.9b,5.5
IDC XI 22 06 27 18.7–.42 13.68N 144.88E 136–3 4.4,4.1
ISCJB XI 22 06 27 19.4–.52 13.60N–.03 144.77E–.06 154–6 4.6b,4.1
NEIC XI 22 06 27 19.9–.49 13.61N 144.67E 142–5 4.7b,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=9.2km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.6km az=173.8.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=80.0. Felt [III] at Santa Rita. Also felt at Barrigada, Inarajan, Mangilao, Talofofo, Yigo and Yona. Felt on Saipan, Northern Mariana Islands.
IDC XI 25 21 08 09.7–1.0 18.74N 144.92E 0 3.9,3.6
¶602389989
IDC Error ellipse: s-maj=36.8km s-min=20.3km az=89.0.
ISC XI 27 07 34 27.1–.41 17.73N–.03 145.81E–.04 212–3 5.2b 944 1-157
NEIC XI 27 07 34 25.4–.08 17.68N 145.76E 192 5.4W,5.3b **¶601994765**
ISCJB XI 27 07 34 25.2–.42 17.71N–.02 145.77E–.02 201–4 5.1b,5.3b
MOS XI 27 07 34 25.6–.97 17.74N 145.62E 211 5.1b,5.3b
BJI XI 27 07 34 26.0 17.70N 145.70E 208 5.0b,4.8b
IDC XI 27 07 34 27.5–.85 17.69N 145.80E 218–7 5.0,4.5
GCMT XI 27 07 34 28.4–.10 17.66N–.01 146.01E–.01 200–0 5.5W,4.5
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.13 Best double couple: NP1:ϕ_s213.00000° ,δ25.00000°,λ135.00000°. NP2:ϕ_s346.00000°,δ73.00000°,λ72.00000°. Principal axes: T 1.5100,Plg58.0000°,Azm232.0000°; N 0.0100,Plg17.0000°,Azm352.0000° ; P -1.5300,Plg26.0000°,Azm90.0000° $M_0$1.50000×10^{17}
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c169; s129,c220;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$0.61±.03; $M_{\phi\phi}$-0.35±.03; $M_{r\theta}$-0.46±.02; $M_{\theta\phi}$-0.82±.02; $M_{\phi r}$1.57±.02; Best double couple: NP1:ϕ_s161.00000°,δ86.00000°,λ-60.00000°. NP2:ϕ_s259.00000°,δ30.00000°,λ-171.00000°. Principal axes: T 1.8970,Plg34.0000° ,Azm226.0000°; N 0.0100,Plg30.0000°,Azm339.0000°; P -1.9080,Plg42.0000°,Azm99.0000° $M_0$1.90300×10^{17}
ISC XI 30 02 51 59.7–.55 18.85N–.07 145.7E–.10 214 3.7b 28 5-148
ISCJB XI 30 02 51 58.1–.44 18.88N–.05 145.7E–.10 214 3.7b **¶602390214**
IDC XI 30 02 51 58.4–1.8 18.91N 145.75E 201–18 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=7.6km az=179.2.
IDC Error ellipse: s-maj=15.2km s-min=9.5km az=78.0.
ISC XI 30 16 25 09.6–1.1 18.09N–.09 145.7E–.30 300 3.4b 11 5-87
ISCJB XI 30 16 25 08.4–.98 18.14N–.07 145.7E–.30 300 3.3b **¶602390242**
IDC XI 30 16 25 09.3–1.6 18.09N 145.69E 294–17 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.4km s-min=9.4km az=179.5.
IDC Error ellipse: s-maj=25.3km s-min=13.9km az=90.0.
IDC XII 07 06 27 04.0–21 18.85N 145.09E 428–245 3.7,3.2
¶602390576
IDC Error ellipse: s-maj=61.9km s-min=23.1km az=51.0.
ISC XII 08 11 06 38.3–1.0 16.0N–.10 145.6E–.20 200 3.0b 9 3-80
ISCJB XII 08 11 06 36.8–.90 16.07N–.08 145.6E–.20 200 3.0b **¶602390808**
IDC XII 08 11 06 38.2–1.7 15.99N 145.66E 200–14 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.1km s-min=10.9km az=8.2.
IDC Error ellipse: s-maj=32.6km s-min=17.9km az=92.0.
ISC XII 08 15 28 28.6–1.1 18.91N–.10 145.7E–.40 214 3.7b 7 5-87
ISCJB XII 08 15 28 27.5–.98 18.92N–.08 145.6E–.40 214 3.6b **¶602390824**
IDC XII 08 15 28 28.9–2.3 18.87N 145.69E 217–21 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.3km s-min=10.8km az=3.5.
IDC Error ellipse: s-maj=49.4km s-min=16.1km az=93.0.
IDC XII 09 18 04 37.6–6.3 19.45N 145.69E 156–52 3.6,3.4
¶602390917
IDC Error ellipse: s-maj=144.9km s-min=28.5km az=115.0.
IDC XII 09 20 31 53.6–5.4 18.25N 145.62E 482–66 3.8,3.1
¶602390927
IDC Error ellipse: s-maj=35.9km s-min=18.8km az=86.0.
ISC XII 11 22 00 15.6–.99 13.4N–.20 144.3E–.20 129 3.4b 7 1-64
ISCJB XII 11 22 00 14.1–.81 13.4N–.20 144.1E–.10 129 3.4b **¶602391126**
IDC XII 11 22 00 15.1–.59 13.49N 144.47E 135–22 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=16.6km az=167.2.
IDC Error ellipse: s-maj=80.5km s-min=20.2km az=80.0.
ISC XII 16 02 30 54.7–.32 18.25N–.04 147.00E–.06 50 4.8b,4.3s 276 2-146
IDC XII 16 02 30 52.1–4.0 18.28N 146.83E 31–29 4.5,4.4 **¶602043785**
BJI XII 16 02 30 52.2 17.95N 147.33E 55 5.1b,4.7b
ISCJB XII 16 02 30 53.2–.15 18.26N–.03 146.83E–.04 50 4.8b,4.3s

MOS XII 16 02 30 53.2–.94 18.24N 146.82E 53 4.9b,4.3s
NEIC XII 16 02 30 55.1–.57 18.23N 146.87E 56–5 4.9b,4.3s
GCMT XII 16 02 30 56.1–.40 18.31N–.03 147.07E–.02 24 4.9W,4.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s69,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.17 $M_{\theta\theta}$-0.31±.12; $M_{\phi\phi}$-1.55±.10; $M_{r\theta}$-1.39±.19; $M_{\theta\phi}$1.15±.07; $M_{\phi r}$1.94±.15; Best double couple: NP1:ϕ_s325.00000°,δ70.00000°,λ87.00000°. NP2:ϕ_s155.00000°,δ21.00000°,λ99.00000°. Principal axes: T 2.9630,Plg65.0000° ,Azm230.0000°; N 0.3640,Plg3.0000°,Azm326.0000°; P -3.3290,Plg25.0000°,Azm58.0000° M_o3.14600×10^{16}

ISC XII 16 15 52 02.0–.74 14.21N–.04 146.80E–.04 28–4 5.3b,4.8s 650 2-153
IDC XII 16 15 51 57.9–.43 14.23N 146.83E 0 5.0,5.0 **¶602043815**
ISCJB XII 16 15 51 57.9–.78 14.21N–.03 146.75E–.02 10–4 5.2b,4.8s
BJI XII 16 15 51 58.6 14.39N 147.02E 19 5.2b,5.1b
MOS XII 16 15 52 00.9–.97 14.29N 146.69E 28 5.4b,4.7s
NEIC XII 16 15 52 00.9–1.6 14.19N 146.73E 21–10 5.3b,5.2W
GCMT XII 16 15 52 01.9–.20 13.99N–.02 147.06E–.01 12 5.2W,5.2W
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}7.43 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-7.65 $M_{r\theta}$1.89 $M_{\theta\phi}$-0.42 $M_{\phi r}$4.02 Best double couple: NP1:ϕ_s172.00000° ,δ32.00000°,λ71.00000°. NP2:ϕ_s14.00000°,δ60.00000°,λ101.00000°. Principal axes: T 8.7900,Plg72.0000°,Azm311.0000°; N -0.0500,Plg10.0000°,Azm188.0000° ; P -8.7400,Plg15.0000°,Azm96.0000° M_o8.80000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c64; s106,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.85±.12 $M_{\theta\theta}$0.59±.11; $M_{\phi\phi}$-6.44±.10; $M_{r\theta}$0.02±.46; $M_{\theta\phi}$-1.14±.09; $M_{\phi r}$2.39±.33; Best double couple: NP1:ϕ_s5.00000°,δ55.00000°,λ86.00000°. NP2:ϕ_s193.00000°,δ35.00000°,λ96.00000°. Principal axes: T 6.3050,Plg79.0000° ,Azm260.0000°; N 0.7480,Plg3.0000°,Azm8.0000°; P -7.0540,Plg10.0000°,Azm99.0000° M_o6.67900×10^{16}

ISC XII 16 21 50 28.1–.42 18.22N–.05 146.94E–.08 50 4.4b,3.5s 80 2-146
IDC XII 16 21 50 21.0–.53 18.24N 146.90E 0 4.3,4.1L **¶602043830**
ISCJB XII 16 21 50 26.3–.30 18.20N–.03 146.93E–.06 50 4.3b,3.5s
NEIC XII 16 21 50 27.9–.88 18.20N 146.97E 49–8 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=12.2km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=13.3.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.6km az=87.0.
IDC XII 18 18 24 19.3–4.9 19.04N 145.64E 224–30 3.9,3.5
¶602391622
IDC Error ellipse: s-maj=112.7km s-min=23.0km az=81.0.
IDC XII 19 01 51 23.7–2.1 14.21N 146.90E 0 3.7,3.7L
¶602391646
IDC Error ellipse: s-maj=43.9km s-min=28.2km az=105.0.

ISC XII 19 04 24 07.3–.75 18.31N–.08 146.8E–.20 52 4.0b,3.2s 28 2-88
IDC XII 19 04 24 00.3–.76 18.29N 146.87E 0 4.2,4.0L **¶602374072**
ISCJB XII 19 04 24 06.0–.46 18.34N–.05 146.8E–.10 52 4.0b,3.2s
NEIC XII 19 04 24 07.4–1.1 18.27N 146.80E 53–10 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=19.1km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=5.8km az=18.9.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.6km az=89.0.

ISC XII 20 11 52 00.1–.90 13.3N–.10 146.0E–.10 100 3.6b 10 1-147
ISCJB XII 20 11 51 58.1–.87 13.3N–.10 146.0E–.10 100 3.6b **¶602391726**
IDC XII 20 11 52 01.1–2.2 13.33N 145.99E 110–19 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=13.9km az=26.7.
IDC Error ellipse: s-maj=39.4km s-min=15.9km az=103.0.

ISC XII 21 10 52 29.7–.66 16.47N–.07 145.8E–.10 150 3.8b 32 3-147
ISCJB XII 21 10 52 28.5–.52 16.47N–.05 145.86E–.10 150 3.7b **¶602391809**
IDC XII 21 10 52 30.9–1.1 16.40N 145.79E 160–10 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.4km az=8.1.
IDC Error ellipse: s-maj=16.4km s-min=8.9km az=98.0.
IDC XII 24 15 57 30.4–1.0 19.30N 145.27E 0 3.8,3.6
¶602392002
IDC Error ellipse: s-maj=49.5km s-min=22.3km az=101.0.

ISC XII 24 22 18 33.6–.94 14.2N–.20 146.9E–.10 35 3.7b 12 2-146
IDC XII 24 22 18 28.5–.88 14.25N 146.92E 0 3.8,3.6 **¶602392022**
ISCJB XII 24 22 18 31.8–.84 14.2N–.10 146.9E–.10 35 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XII 24 22 25 52.1–1.4 14.15N 146.88E 0 3.8,3.7
¶602392024
IDC Error ellipse: s-maj=52.2km s-min=28.3km az=96.0.

ISC XII 28 17 22 47.0–.49 20.07N–.07 145.7E–.10 109 4.3b 55 3-148
NEIC XII 28 17 22 41.7–.58 20.14N 145.70E 56–5 4.7b **¶602380746**
ISCJB XII 28 17 22 45.8–.30 20.08N–.04 145.59E–.08 109 4.4b
IDC XII 28 17 22 46.1–3.6 20.12N 145.69E 98–34 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=0.2.
IDC Error ellipse: s-maj=21.7km s-min=12.6km az=93.0.
IDC XII 31 11 24 07.0–1.6 13.11N 144.73E 51–20 3.5,3.3
¶602380488
IDC Error ellipse: s-maj=299.2km s-min=23.8km az=110.0.

SEISMIC REGION 19.
Japan-Kurils-Kamchatka.

(217) Kamchatka Peninsula.

KRSC VII 12 20 53 08.2–1.5 54.40N 158.32E 247–15 3.7L
¶604183854
KRSC Event type se.
KRSC VIII 02 23 17 42.1–1.8 52.88N 157.27E 290–14 3.5L
¶604183898
KRSC Event type se.
KRSC VIII 02 23 59 43.3–2.2 52.93N 156.99E 258–19 3.6L
¶604183899
KRSC Event type se.
KRSC VIII 31 14 35 21.1–.82 55.53N 160.72E 167–7 3.6L
¶604183956
KRSC Event type se.
IDC IX 01 19 35 08.3–329 55.78N 160.72E 0
¶601862739
IDC Error ellipse: s-maj=154.5km s-min=70.0km az=37.0.

ISC IX 08 19 19 49.7–.48 53.12N–.04 156.73E–.04 276–4 4.3b 346 0-146
ISCJB IX 08 19 19 48.9–.16 53.14N–.03 156.61E–.04 276–1 4.2b **¶601712952**
MOS IX 08 19 19 48.8–.85 53.15N 156.56E 278 4.0b
IDC IX 08 19 19 49.8–.47 53.22N 156.48E 270–4 4.1,3.6
KRSC IX 08 19 19 49.5–1.2 53.05N 156.92E 270–11 4.4L,3.6
NEIC IX 08 19 19 49.8–.39 53.20N 156.51E 271–4 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=147.8.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=67.3.
IDC Error ellipse: s-maj=11.8km s-min=6.6km az=150.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=156.0.
KRSC IX 09 10 37 46.7–.47 55.77N 160.03E 6–3 3.7L
¶604183980
KRSC Event type se.
KRSC IX 13 23 08 30.3–1.4 53.15N 157.10E 266–14 3.9L
¶604183989
KRSC Event type se.
KRSC IX 25 07 01 13.8–1.8 51.73N 156.29E 227–12 3.6L
¶604184008
KRSC Event type se.

KRSC X 14 09 31 52.6–.75 58.32N 163.41E 30–11 3.9L
¶604184040
KRSC Event type se.
KRSC X 27 10 03 43.6–1.4 55.38N 160.50E 180–13 3.8L
¶604184070
KRSC Event type se.

ISC X 28 19 09 27.7–.40 52.83N–.04 157.04E–.04 245–3 4.8b 540 0-146
BJI X 28 19 09 25.8 52.90N 156.80E 238 5.3b,4.8b **¶601857806**
ISCJB X 28 19 09 26.9–.15 52.87N–.03 156.88E–.05 247–1 4.7b,4.8b
KRSC X 28 19 09 27.2–1.6 52.81N 157.05E 240–14 5.1L,4.8b
MOS X 28 19 09 27.0–.68 52.80N 157.02E 250 4.9b,4.8b
IDC X 28 19 09 27.7–.31 52.92N 156.81E 240–2 4.9,4.4
NEIC X 28 19 09 28.2–.33 52.93N 156.80E 245–3 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=43.7.
KRSC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=5.2km az=65.5.
IDC Error ellipse: s-maj=8.3km s-min=5.9km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=147.0.
KRSC XI 08 03 03 21.7–1.1 52.23N 157.13E 203–7 3.6L
¶604184099
KRSC Event type se.

ISC XI 25 12 22 44.1–.77 55.2N–.10 158.7E–.20 150 3.4b 11 2-78
ISCJB XI 25 12 22 42.9–.72 55.3N–.10 158.8E–.30 150 3.4b **¶602389972**
IDC XI 25 12 22 42.8–2.3 55.23N 158.77E 133–24 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=9.5km az=28.1.
IDC Error ellipse: s-maj=31.4km s-min=19.4km az=153.0.
IDC XI 27 05 52 28.2–.99 55.79N 160.31E 0 3.7,3.4
¶602390039
IDC Error ellipse: s-maj=31.6km s-min=18.1km az=150.0.

ISC XI 27 06 23 27.7–.89 55.83N–.04 160.36E–.04 9–4 3.6b 28 0-82
MOS XI 27 06 23 25.9–.48 55.82N 160.40E 1 4.0b **¶602390042**
IDC XI 27 06 23 26.4–.96 55.95N 159.93E 0 4.0,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=14.4km s-min=4.7km az=77.4.
IDC Error ellipse: s-maj=37.7km s-min=19.1km az=127.0.

ISC XI 30 11 00 32.5–.28 55.68N–.03 160.40E–.03 10 4.6b,4.5s 361 0-145
MOS XI 30 11 00 30.9–.97 55.69N 160.40E 8 4.8b,4.1s **¶601995432**
ISCJB XI 30 11 00 31.4–.13 55.67N–.02 160.31E–.03 10 4.5b,4.4s
BJI XI 30 11 00 34.5 55.79N 160.70E 46 5.1b,5.0s
IDC XI 30 11 00 36.6–1.9 55.58N 160.38E 40–16 4.3,4.3
NEIC XI 30 11 00 37.7–.70 55.59N 160.27E 47–7 4.6b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=7.4km s-min=3.5km az=82.5.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=154.1.
IDC Error ellipse: s-maj=13.1km s-min=9.7km az=135.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=157.0.

ISC XI 30 11 43 50.7–1.1 55.66N–.02 160.41E–.04 6–9 3.6b 37 0-78
MOS XI 30 11 43 50.4–1.1 55.66N 160.40E 4 3.9b **¶602390237**
IDC XI 30 11 43 51.2–1.0 54.79N 161.77E 0 3.9,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=13.3km s-min=4.2km az=82.9.
IDC Error ellipse: s-maj=36.3km s-min=19.9km az=144.0.

ISC XI 30 12 49 33.5–1.1 55.67N–.03 160.41E–.04 10–7 4.1b,3.4s 66 0-82
IDC XI 30 12 49 31.4–.65 55.90N 160.10E 0 4.1,3.9 **¶602311703**
MOS XI 30 12 49 32.8–1.1 55.65N 160.41E 6 4.2b,3.9
ISCJB XI 30 12 49 33.8–.59 55.71N–.03 160.39E–.07 23–5 4.0b,3.5s
NEIC XI 30 12 49 36.8–.42 55.87N 160.04E 35 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=13.8km az=139.0.
MOS Error ellipse: s-maj=11.4km s-min=4.0km az=83.2.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=20.4.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.7km az=132.0.
KRSC XII 22 10 02 04.1–.88 55.22N 160.87E 126–8 3.5L
¶604184169
KRSC Event type se.

ISC XII 30 02 53 05.0–.77 56.19N–.05 160.98E–.06 139–5 3.2b 55 0-79
KRSC XII 30 02 53 02.8–.88 56.21N 161.04E 144–6 3.7L **¶602068353**
ISCJB XII 30 02 53 03.2–.48 56.24N–.04 161.00E–.10 145–3 3.2b
IDC XII 30 02 53 08.7–2.5 56.21N 160.29E 171–27 3.5,3.2
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.9km az=19.8.
IDC Error ellipse: s-maj=28.3km s-min=18.7km az=134.0.

(218) Near east coast of Kamchatka Peninsula.

KRSC VII 01 12 27 28.2–1.4 56.33N 162.93E 32–9 3.9L
¶604183835
KRSC Event type se.
KRSC VII 04 10 52 16.0–.49 54.00N 160.60E 76–9 3.8L
¶604183839
KRSC Event type se.

ISC VII 07 20 54 43.5–1.2 53.37N–.03 160.77E–.03 16–8 3.9b 144 1-80
KRSC VII 07 20 54 45.5–.95 53.31N 160.65E 48–12 4.4L **¶601246606**
MOS VII 07 20 54 47.5–.65 53.31N 160.58E 51 4.0b
IDC VII 07 20 54 51.9–1.8 53.55N 160.18E 82–15 3.8,3.6
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=4.3km az=77.7.
IDC Error ellipse: s-maj=19.7km s-min=15.4km az=147.0.

ISC VII 11 15 18 30.1–1.1 55.05N–.03 162.32E–.03 26–9 3.9b 138 1-82
KRSC VII 11 15 18 28.8–.79 54.99N 162.39E 44–17 4.5L **¶601272587**
ISCJB VII 11 15 18 29.7–.75 55.02N–.02 162.40E–.05 28–6 3.7b,2.9s
MOS VII 11 15 18 30.5–1.0 55.06N 162.30E 46 4.1b,2.9s
IDC VII 11 15 18 36.1–2.3 55.26N 161.76E 82–24 3.7,3.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.8km az=28.7.
MOS Error ellipse: s-maj=8.2km s-min=4.8km az=83.4.
IDC Error ellipse: s-maj=23.9km s-min=15.2km az=138.0.
KRSC VII 12 07 20 55.4–1.6 55.57N 162.85E 5–23 3.9L
¶604183852
KRSC Event type se.

ISC VII 15 22 39 57.3–.99 55.11N–.03 162.34E–.04 44–10 3.8b 135 1-145
KRSC VII 15 22 39 55.4–.54 55.07N 162.37E 48–13 4.6L **¶601276602**
ISCJB VII 15 22 39 57.0–.37 55.11N–.03 162.34E–.06 52–4 3.7b
MOS VII 15 22 39 57.0–.61 55.12N 162.32E 45 4.1b
IDC VII 15 22 40 00.4–2.3 55.39N 161.81E 70–22 3.8,3.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.1km az=32.6.
MOS Error ellipse: s-maj=8.7km s-min=4.7km az=72.1.
IDC Error ellipse: s-maj=18.2km s-min=13.3km az=140.0.

ISC VII 16 03 08 31.2–.24 55.65N–.02 161.45E–.02 85–1 5.5b 2294 1-164
BJI VII 16 03 08 25.9 55.43N 161.73E 74 5.2b,5.1b **¶601276380**
KRSC VII 16 03 08 29.2–.38 55.67N 161.59E 80–8 5.9L,5.1b
ISCJB VII 16 03 08 30.3–.17 55.75N–.01 161.29E–.02 89–1 5.4b,5.1b
MOS VII 16 03 08 30.1–.83 55.77N 161.31E 87 5.4b,4.7s
NEIC VII 16 03 08 31.7–.41 55.78N 161.23E 86–3 5.5W,5.4b
GCMT VII 16 03 08 31.7–.10 55.69N 161.43E 87–1 5.6W,5.4b
IDC VII 16 03 08 31.1–.51 55.72N 161.33E 78–4 5.4,5.1
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.5km az=159.6.
MOS Error ellipse: s-maj=6.0km s-min=3.1km az=81.0.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=169.0. Moment Tensor Solution. s72 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$0.15 $M_{r\theta}$1.75 $M_{\theta\phi}$0.81 $M_{\phi r}$0.33 Best double couple: NP1:ϕ_s322.00000°,δ29.00000°,λ141.00000°. NP2:ϕ_s87.00000° ,δ72.00000°,λ67.00000°. Principal axes: T 2.3100,Plg57.0000°,Azm327.0000° ; N 0.0800,Plg22.0000°,Azm94.0000°; P -2.3900,Plg24.0000°,Azm195.0000° M_o2.40000×10^{17}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s118,c221; s128,c269; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.04 $M_{\theta\theta}$-1.31±.04; $M_{\phi\phi}$0.07±.03; $M_{r\theta}$2.02±.03; $M_{\theta\phi}$1.20±.03; $M_{\phi r}$0.47±.02; Best double couple: NP1:ϕ_s87.00000°,δ74.00000° ,λ61.00000°. NP2:ϕ_s332.00000°,δ33.00000°,λ150.00000°. Principal axes: T 2.7440,Plg52.0000°,Azm324.0000°; N -0.0510,Plg28.0000°,Azm96.0000° ; P -2.6870,Plg24.0000°,Azm199.0000° M_o2.71500×10^{17}

IDC Error ellipse: s-maj=7.3km s-min=5.9km az=139.0.

KRSC	**VII**	**19 14 20 14.3–1.0**	**54.99N**	**162.31E**	**40–15**	**3.8L**		
								¶604183867
KRSC	Event type se.							
ISC	**VII**	**20 11 36 47.7–.89**	**56.21N–.04**	**163.10E–.03**	**25–6**	**3.6b**	**127**	**0-73**
IDC	VII	20 11 36 44.4–1.4	56.48N	162.71E	0	3.9,3.6b		**¶601456424**
ISCJB	VII	20 11 36 46.8–.61	56.14N–.04	163.19E–.05	22–5	3.7s,3.6b		
MOS	VII	20 11 36 46.4–.47	56.19N	163.20E	21	4.1b,3.6b		
KRSC	VII	20 11 36 46.3–1.2	56.02N	163.14E	19–11	4.2L,3.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=55.0km s-min=24.2km az=156.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=11.5.							
MOS	Error ellipse: s-maj=9.1km s-min=5.3km az=52.1.							
KRSC	Event type se.							
ISC	**VII**	**22 04 23 23.9–.80**	**53.66N–.04**	**160.71E–.04**	**93–6**	**3.7b**	**122**	**1-70**
KRSC	VII	22 04 23 22.5–.68	53.65N	160.73E	94–11	4.4L		**¶601459487**
ISCJB	VII	22 04 23 23.2–.41	53.65N–.04	160.72E–.07	99–4	3.5b		
MOS	VII	22 04 23 23.6–.61	53.66N	160.71E	97	4.1b		
IDC	VII	22 04 23 25.7–2.0	53.88N	160.33E	103–20	3.5,3.4		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.8km s-min=3.3km az=38.7.							
MOS	Error ellipse: s-maj=10.3km s-min=5.0km az=74.1.							
IDC	Error ellipse: s-maj=34.9km s-min=20.5km az=158.0.							
ISC	**VII**	**23 00 07 11.0–.97**	**54.85N–.03**	**162.10E–.04**	**30–7**	**3.5b**	**107**	**0-82**
IDC	VII	23 00 07 06.4–1.2	55.02N	161.98E	0	3.8,3.6		**¶601465912**
MOS	VII	23 00 07 09.5–1.9	54.77N	162.14E	42	4.0b,3.6		
KRSC	VII	23 00 07 09.5–.66	54.77N	162.14E	42–8	4.3L,3.6		
ISCJB	VII	23 00 07 11.2–.42	54.80N–.02	162.12E–.06	43–6	3.9s,3.4b		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se.							
ISC	**VII**	**30 06 02 39.2–.61**	**54.44N–.03**	**161.11E–.05**	**70–5**	**4.0b**	**155**	**1-83**
KRSC	VII	30 06 02 37.7–.64	54.40N	161.24E	61–16	4.7L		**¶601497965**
MOS	VII	30 06 02 38.6–.73	54.39N	161.28E	57	4.2b		
ISCJB	VII	30 06 02 39.2–.39	54.45N–.03	161.10E–.09	84–4	3.8b		
IDC	VII	30 06 02 40.0–.71	54.68N	160.79E	75–6	4.0,3.9		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=10.4km s-min=4.1km az=79.8.							
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=2.6km az=24.3.							
IDC	Error ellipse: s-maj=17.8km s-min=8.8km az=139.0.							
ISC	**VIII**	**01 13 23 57.6–.83**	**53.21N–.04**	**160.49E–.04**	**44–7**	**3.8b**	**150**	**0-80**
KRSC	VIII	01 13 23 55.7–1.4	53.19N	160.59E	48–13	4.3L		**¶601506099**
MOS	VIII	01 13 23 57.4–.68	53.18N	160.51E	51	4.2b		
ISCJB	VIII	01 13 23 58.3–.48	53.24N–.03	160.38E–.07	67–4	3.6b		
IDC	VIII	01 13 24 02.2–1.8	53.45N	160.09E	84–15	3.8,3.6		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=8.3km s-min=4.3km az=83.8.							
ISCJB	Event type se. Error ellipse: s-maj=8.6km s-min=2.8km az=34.9.							
IDC	Error ellipse: s-maj=19.0km s-min=15.4km az=117.0.							
ISC	**VIII**	**03 10 45 43.8–.51**	**52.02N–.04**	**158.79E–.04**	**59–4**	**4.8b,3.8s**	**930**	**0-145**
BJI	VIII	03 10 45 40.3	52.28N	159.07E	65	5.0b,4.8b		**¶601518018**
KRSC	VIII	03 10 45 41.0–1.7	51.94N	158.96E	50–16	5.3L,4.8b		
MOS	VIII	03 10 45 42.3–1.2	51.96N	158.63E	59	4.9b,4.8b		
ISCJB	VIII	03 10 45 44.2–.28	52.12N–.02	158.61E–.03	76–2	4.6b,4.8b		
NEIC	VIII	03 10 45 44.6–.12	52.20N	158.53E	60	4.8b,4.8b		
IDC	VIII	03 10 45 45.8–1.1	52.21N	158.53E	72–8	4.6,4.5		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Event type fe. Error ellipse: s-maj=7.2km s-min=3.0km az=82.6. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.							
ISCJB	Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=150.1.							
NEIC	Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=162.0.							
IDC	Error ellipse: s-maj=12.0km s-min=8.5km az=147.0.							
KRSC	**VIII**	**10 20 53 43.2–1.3**	**53.28N**	**160.73E**	**44–15**	**3.9L**		
								¶604183907
KRSC	Event type se.							
KRSC	**VIII**	**11 19 18 03.2–.68**	**53.93N**	**160.87E**	**60–19**	**3.6L**		
								¶604183909
KRSC	Event type se.							
ISC	**VIII**	**12 09 27 23.3–.84**	**55.07N–.03**	**162.21E–.03**	**54–8**	**4.0b,3.4s**	**223**	**1-146**
KRSC	VIII	12 09 27 19.3–.81	54.97N	162.40E	41–18	4.7L,3.4s		**¶601553250**
MOS	VIII	12 09 27 21.7–1.0	55.10N	162.18E	57	4.2b,3.4s		
ISCJB	VIII	12 09 27 23.0–.33	55.11N–.02	162.04E–.05	65–3	3.9b,3.4s		
NEIC	VIII	12 09 27 24.0–.93	55.29N	161.85E	52–11	4.0b,3.4s		
IDC	VIII	12 09 27 25.2–2.2	55.24N	161.95E	67–23	3.9,3.8		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=7.3km s-min=4.2km az=81.5.							
ISCJB	Event type se. Error ellipse: s-maj=5.5km s-min=2.7km az=29.7.							
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=4.9km az=158.0.							
IDC	Error ellipse: s-maj=18.1km s-min=12.2km az=160.0.							
KRSC	**VIII**	**17 09 11 24.2–1.2**	**51.11N**	**157.76E**	**48–12**	**3.5L**		
								¶604183918
KRSC	Event type se.							
KRSC	**VIII**	**17 10 30 20.1–.79**	**53.94N**	**160.95E**	**69–17**	**3.7L**		
								¶604183919
KRSC	Event type se.							
KRSC	**VIII**	**22 21 52 43.7–1.1**	**54.20N**	**161.61E**	**41–15**	**3.7L**		
								¶604183929
KRSC	Event type se.							
KRSC	**VIII**	**23 07 30 48.4–.94**	**51.03N**	**158.47E**	**41–13**	**3.6L**		
								¶604183930
KRSC	Event type se.							
KRSC	**VIII**	**23 23 23 41.3–1.1**	**54.84N**	**162.33E**	**59–23**	**3.6L**		
								¶604183933
KRSC	Event type se.							
ISC	**VIII**	**27 22 03 39.0–.94**	**55.85N–.04**	**162.03E–.03**	**53–10**	**3.7b**	**65**	**1-58**
IDC	VIII	27 22 03 34.0–1.3	56.23N	161.72E	0	3.8,3.6b		**¶601628501**
KRSC	VIII	27 22 03 36.4–.57	55.81N	162.07E	65–13	3.9L,3.6b		
ISCJB	VIII	27 22 03 38.0–.35	55.81N–.03	162.04E–.05	62–5	3.6b,3.6b		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se.							
ISC	**VIII**	**28 11 24 03.1–.66**	**53.27N–.04**	**160.59E–.04**	**47–6**	**3.9b**	**161**	**0-80**
KRSC	VIII	28 11 24 00.2–1.2	53.24N	160.73E	48–13	4.9L		**¶601630287**
ISCJB	VIII	28 11 24 02.4–.47	53.25N–.03	160.64E–.07	49–5	3.9b		
MOS	VIII	28 11 24 02.3–.69	53.24N	160.63E	49	4.2b		
IDC	VIII	28 11 24 06.2–2.4	53.43N	160.35E	71–24	3.9,3.9		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.0km s-min=2.6km az=35.7.							
MOS	Error ellipse: s-maj=7.5km s-min=4.1km az=79.5.							
IDC	Error ellipse: s-maj=34.1km s-min=15.0km az=141.0.							
KRSC	**VIII**	**28 11 32 52.0–1.1**	**53.27N**	**160.72E**	**46–14**	**3.5L**		
								¶604183945
KRSC	Event type se.							
KRSC	**VIII**	**29 03 39 41.2–1.0**	**54.79N**	**160.64E**	**124–14**	**3.9L**		
								¶604183947
KRSC	Event type se.							
KRSC	**VIII**	**30 16 45 29.8–1.0**	**51.05N**	**158.44E**	**46–15**	**3.8L**		
								¶604183950
KRSC	Event type se.							
KRSC	**IX**	**01 21 18 29.1–1.3**	**56.63N**	**161.80E**	**19–8**	**3.8L**		
								¶604183960
KRSC	Event type se.							
KRSC	**IX**	**03 09 34 26.8–.66**	**54.95N**	**162.53E**	**40–14**	**4.2L**		
MOS	IX	03 09 34 26.8–2.1	54.95N	162.53E	40	4.3b		**¶601673792**
KRSC	Event type se.							
MOS	Error ellipse: s-maj=10.3km s-min=6.1km az=75.5.							
ISC	**IX**	**04 11 47 12.3–.79**	**53.77N–.03**	**160.84E–.04**	**40–9**	**3.5b**	**148**	**1-77**
KRSC	IX	04 11 47 09.8–.76	53.75N	160.93E	40–13	4.3L		**¶601675396**
ISCJB	IX	04 11 47 11.7–.41	53.75N–.03	160.89E–.06	42–7	3.7b		
MOS	IX	04 11 47 11.7–.39	53.74N	160.92E	38	4.1b		
IDC	IX	04 11 47 15.9–2.0	54.12N	160.31E	69–22	3.7,3.6		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=7.3km s-min=2.5km az=35.7.							
MOS	Error ellipse: s-maj=8.7km s-min=4.1km az=76.0.							
IDC	Error ellipse: s-maj=24.4km s-min=15.7km az=159.0.							
KRSC	**IX**	**05 07 39 25.1–.72**	**55.73N**	**162.45E**	**60–17**	**3.6L**		
								¶604183969
KRSC	Event type se.							
ISC	**IX**	**08 04 16 26.3–1.5**	**51.02N–.05**	**158.15E–.05**	**18–7**	**3.7b**	**84**	**1-88**
KRSC	IX	08 04 16 27.6–1.2	50.98N	158.16E	46–16	4.7L		**¶601696926**
MOS	IX	08 04 16 28.3–.79	50.91N	158.15E	41	4.4b		
IDC	IX	08 04 16 34.0–2.4	51.18N	157.84E	84–20	3.8,3.7		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=15.8km s-min=4.6km az=85.9.							
IDC	Error ellipse: s-maj=26.8km s-min=16.3km az=121.0.							
ISC	**IX**	**08 05 31 57.5–.69**	**52.47N–.04**	**158.86E–.04**	**77–5**	**3.8b**	**131**	**0-79**
ISCJB	IX	08 05 31 56.9–.36	52.46N–.03	158.84E–.07	86–3	3.7b		**¶601696928**
MOS	IX	08 05 31 56.1–.64	52.37N	158.95E	73	4.2b		
KRSC	IX	08 05 31 56.2–.83	52.45N	158.89E	80–7	4.4L		
IDC	IX	08 05 31 59.5–1.0	52.62N	158.51E	97–6	3.8,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.0km s-min=3.9km az=38.1.							
MOS	Error ellipse: s-maj=12.3km s-min=4.4km az=84.1.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=19.8km s-min=15.0km az=153.0.							
KRSC	**IX**	**08 11 34 60.0–.61**	**54.97N**	**162.55E**	**40–13**	**3.8L**		
								¶604183976
KRSC	Event type se.							
KRSC	**IX**	**08 14 45 33.7–.72**	**54.98N**	**162.41E**	**46–16**	**4.0L**		
MOS	IX	08 14 45 33.7–1.8	54.98N	162.40E	46	4.2b		**¶601696939**
KRSC	Event type se.							
MOS	Error ellipse: s-maj=8.2km s-min=5.1km az=82.5.							
KRSC	**IX**	**09 06 46 16.6–.53**	**54.95N**	**162.59E**	**41–11**	**4.0L**		
								¶604183979
KRSC	Event type se.							
KRSC	**IX**	**12 07 22 11.8–.86**	**53.55N**	**160.69E**	**43–13**	**3.5L**		
								¶604183988
KRSC	Event type se.							
ISC	**IX**	**13 16 16 22.8–.90**	**51.95N–.04**	**158.79E–.04**	**49–8**	**3.7b**	**99**	**0-78**
MOS	IX	13 16 16 21.6–1.2	51.92N	158.72E	57	4.0b		**¶601714106**
KRSC	IX	13 16 16 21.2–1.2	51.95N	158.82E	54–14	4.4L		
ISCJB	IX	13 16 16 22.1–.49	51.95N–.04	158.78E–.07	59–5	3.6b		
IDC	IX	13 16 16 24.9–2.5	52.04N	158.58E	71–23	3.8,3.8		
ISC	Event type se.							
MOS	Error ellipse: s-maj=13.5km s-min=4.8km az=85.3.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.8km s-min=4.0km az=37.6.							
IDC	Error ellipse: s-maj=29.9km s-min=14.8km az=141.0.							
ISC	**IX**	**16 20 36 50.7–.67**	**54.60N–.03**	**159.53E–.04**	**190–5**	**3.4b**	**122**	**1-85**
ISCJB	IX	16 20 36 50.3–.34	54.60N–.03	159.53E–.09	192–3	3.3b		**¶601719503**
MOS	IX	16 20 36 50.1–.76	54.67N	159.36E	195	4.0b		
KRSC	IX	16 20 36 50.4–1.3	54.59N	159.60E	187–13	4.0L		
IDC	IX	16 20 36 51.2–1.3	54.85N	158.96E	179–12	3.7,3.3		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=3.3km az=26.2.							
MOS	Error ellipse: s-maj=20.3km s-min=5.6km az=76.6.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=25.4km s-min=17.3km az=110.0.							
KRSC	**IX**	**17 15 25 60.0–.91**	**55.04N**	**162.61E**	**45–21**	**3.9L**		
								¶604183994
KRSC	Event type se.							
KRSC	**IX**	**19 11 40 07.9–.88**	**54.45N**	**162.44E**	**40–11**	**3.6L**		
								¶604183997
KRSC	Event type se.							
KRSC	**IX**	**20 23 26 00.3–1.0**	**55.03N**	**162.92E**	**63–20**	**3.8L**		
								¶604183999
KRSC	Event type se.							
KRSC	**IX**	**23 19 03 32.1–1.0**	**53.29N**	**160.67E**	**42–13**	**3.9L**		
								¶604184006
KRSC	Event type se.							
KRSC	**IX**	**25 15 35 31.2–.72**	**56.00N**	**161.53E**	**29–17**	**3.6L**		
								¶604184009
KRSC	Event type se.							
KRSC	**IX**	**29 17 18 17.1–.60**	**53.74N**	**160.75E**	**54–12**	**3.7L**		
								¶604184016
KRSC	Event type se.							
ISC	**IX**	**30 00 05 42.6–.78**	**54.22N–.05**	**159.79E–.06**	**144–6**	**3.2b**	**49**	**1-70**
KRSC	IX	30 00 05 41.8–.94	54.20N	159.88E	142–10	3.6L		**¶601769284**
ISCJB	IX	30 00 05 42.4–.43	54.19N–.04	159.88E–.10	142–4	3.2b		
IDC	IX	30 00 05 42.0–1.8	54.56N	159.31E	134–22	3.4,3.4		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=31.1.							
IDC	Error ellipse: s-maj=41.0km s-min=18.4km az=160.0.							
KRSC	**IX**	**30 05 43 45.4–1.4**	**51.06N**	**158.78E**	**48–20**	**4.1L**		
MOS	IX	30 05 43 45.4–1.7	51.06N	158.78E	48	4.3b		**¶601769287**
KRSC	Event type se.							
MOS	Error ellipse: s-maj=23.3km s-min=6.0km az=92.4.							
KRSC	**IX**	**30 08 10 06.5–1.5**	**51.07N**	**158.85E**	**49–20**	**3.7L**		
								¶604184020
KRSC	Event type se.							
ISC	**X**	**03 09 02 05.4–.84**	**54.35N–.03**	**160.34E–.05**	**111–7**	**3.4b**	**63**	**1-77**
IDC	X	03 09 01 54.4–1.1	53.23N	162.10E	0	3.9,3.5		**¶601781852**
KRSC	X	03 09 02 03.9–.56	54.35N	160.38E	113–7	3.9L,3.5		
ISCJB	X	03 09 02 04.6–.37	54.34N–.03	160.38E–.07	116–4	3.3b,3.5		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se.							
ISC	**X**	**05 19 30 14.8–1.9**	**51.08N–.09**	**157.63E–.09**	**131–11**		**87**	**1-6**
MOS	X	05 19 30 13.9–.61	51.02N	157.65E	132	4.1b		**¶601794285**
KRSC	X	05 19 30 14.3–1.1	51.12N	157.65E	127–10	3.9L		
ISCJB	X	05 19 30 15.6–.86	51.16N–.09	157.6E–.20	126–6	3.9L		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se.							
KRSC	**X**	**08 13 51 18.1–.81**	**53.19N**	**159.62E**	**88–8**	**3.8L**		
								¶604184035
KRSC	Event type se.							
ISC	**X**	**14 19 36 51.6–.40**	**55.62N–.03**	**162.07E–.03**	**74–3**	**4.7b**	**451**	**1-143**
KRSC	X	14 19 36 49.0–.48	55.58N	162.21E	83–10	5.3L		**¶601833400**
BJI	X	14 19 36 50.2	55.60N	161.80E	83	4.9b,4.7b		
MOS	X	14 19 36 50.7–.75	55.65N	161.96E	82	4.7b,4.7b		
IDC	X	14 19 36 51.5–.46	55.70N	161.84E	69–4	4.4,4.3		
GCMT	X	14 19 36 51.9–.40	55.53N–.03	162.40E–.05	79–4	4.8W,4.3		
ISCJB	X	14 19 36 51.1–.20	55.66N–.02	161.91E–.03	85–2	4.6b,4.3		
NEIC	X	14 19 36 52.9–.68	55.70N	161.82E	85–7	4.8b,4.3		
ISC	Event type se.							

KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.1km s-min=3.6km az=82.4. Felt (II) at Klyuchi. Moment Tensor Solution.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=136.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s77,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.36±.11 $M_{\theta\theta}$-1.75±.11; $M_{\phi\phi}$0.38±.10; $M_{r\theta}$1.14±.08; $M_{\theta\phi}$-0.74±.10; $M_{\theta r}$-0.04±.06; Best double couple: NP1:ϕ_s88.00000°,δ63.00000°,λ108.00000°. NP2:ϕ_s232.00000°,δ32.00000°,λ59.00000°. Principal axes: T 1.7880,Plg67.0000° ,Azm31.0000°; N 0.5080,Plg16.0000°,Azm260.0000°; P -2.3030,Plg17.0000°,Azm165.0000° M_o2.04600×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=38.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.4km az=156.0.

KRSC X 18 15 30 24.0–.80 53.37N 160.60E 46–8 3.6L
¶604184052

KRSC Event type se.

KRSC X 18 15 44 48.1–.93 54.42N 162.45E 41–12 3.7L
¶604184053

KRSC Event type se.

KRSC X 19 07 45 35.6–.54 55.50N 162.17E 70–13 3.7L
¶604184057

KRSC Event type se.

KRSC X 24 03 50 38.6–.46 55.58N 162.19E 69–10 3.7L
¶604184061

KRSC Event type se.

ISC	**X**	**24 04 56 25.8–.95**	**52.47N–.07**	**158.38E–.08**	**120–6**	**3.2b**	**30**	**0-72**	
KRSC	X	24 04 56 23.2–.92	52.33N	158.67E	124–7	3.8L			**¶601846961**
ISCJB	X	24 04 56 24.9–.61	52.47N–.07	158.4E–.10	123–4	3.2b			
IDC	X	24 04 56 25.7–3.6	52.63N	159.09E	81–53	3.5,3.4			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=6.6km az=36.8.
IDC Error ellipse: s-maj=75.7km s-min=59.0km az=100.0.

KRSC X 26 02 00 49.8–1.1 55.62N 161.94E 95–14 3.7L
¶604184069

KRSC Event type se.

ISC	**X**	**28 01 38 21.6–.92**	**55.51N–.03**	**162.60E–.03**	**30–6**	**4.5b,3.5s**	**312**	**1-146**	
IDC	X	28 01 38 17.6–.66	55.64N	162.46E	0	4.3,4.2			**¶601853262**
KRSC	X	28 01 38 19.6–.76	55.47N	162.70E	55–19	4.9L,4.2			
ISCJB	X	28 01 38 22.0–.30	55.50N–.02	162.59E–.03	45–3	4.4b,3.6s			
NEIC	X	28 01 38 21.9–1.7	55.70N	162.39E	26–12	4.6b,3.6s			
MOS	X	28 01 38 22.8–1.2	55.55N	162.43E	58	4.5b,3.6s			

ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=11.3km az=161.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=44.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.9km az=159.0.
MOS Error ellipse: s-maj=6.5km s-min=4.1km az=80.6.

ISC	**X**	**28 02 31 28.4–.64**	**55.50N–.03**	**162.66E–.03**	**22–5**	**4.2b**	**222**	**1-146**	
IDC	X	28 02 31 24.7–.60	55.63N	162.27E	0	4.2,4.2L			**¶601853263**
KRSC	X	28 02 31 27.1–.83	55.46N	162.73E	43–18	4.5L,4.2L			
ISCJB	X	28 02 31 29.2–.35	55.48N–.02	162.65E–.04	41–3	4.2b,3.2s			
MOS	X	28 02 31 29.0–.83	55.51N	162.61E	40	4.3b,3.2s			
NEIC	X	28 02 31 31.1–.83	55.60N	162.35E	45–9	4.3b,3.2s			

ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=13.2km az=155.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=43.2.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=77.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.4km az=154.0.

KRSC X 28 21 50 26.1–.67 55.01N 161.88E 58–9 3.7L
¶604184073

KRSC Event type se.

ISC	**X**	**29 07 39 38.6–.71**	**54.33N–.03**	**160.04E–.04**	**135–5**	**3.4b**	**140**	**0-81**	
ISCJB	X	29 07 39 38.7–.35	54.30N–.03	160.09E–.09	135–3	3.5b			**¶601860646**
MOS	X	29 07 39 38.8–.45	54.33N	159.99E	135	4.0b			
KRSC	X	29 07 39 38.1–.75	54.30N	160.15E	132–9	4.1L			
IDC	X	29 07 39 40.9–1.4	54.54N	159.50E	147–13	3.7,3.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=2.8km az=25.6.
MOS Error ellipse: s-maj=18.9km s-min=4.4km az=75.0.
KRSC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=18.6km az=121.0.

ISC	**X**	**29 08 54 20.9–.99**	**55.73N–.02**	**162.20E–.03**	**42–11**	**3.6b**	**150**	**1-79**	
KRSC	X	29 08 54 18.7–.48	55.70N	162.21E	57–12	4.5L			**¶601860647**
MOS	X	29 08 54 19.8–.56	55.75N	162.21E	51	4.1b			
ISCJB	X	29 08 54 20.2–.31	55.71N–.02	162.20E–.05	55–5	3.7b,3.5s			
IDC	X	29 08 54 23.9–2.7	55.74N	162.20E	74–29	3.8,3.7			

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=4.5km az=72.5.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=23.9.
IDC Error ellipse: s-maj=25.6km s-min=16.7km az=145.0.

KRSC X 29 15 51 33.6–1.1 53.60N 160.94E 43–17 4.0L

MOS X 29 15 51 33.6–2.1 53.60N 160.94E 43 4.2b **¶601860650**

KRSC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=5.0km az=76.1.

KRSC X 31 10 31 24.2–1.0 52.29N 158.68E 100–10 3.9L
¶604184084

KRSC Event type se.

ISC	**XI**	**04 08 36 06.8–.98**	**53.21N–.07**	**158.23E–.08**	**175–7**	**3.4b**	**34**	**0-72**	
KRSC	XI	04 08 36 03.5–1.1	53.14N	158.18E	190–8	3.6L			**¶601871974**
ISCJB	XI	04 08 36 05.5–.66	53.21N–.07	158.2E–.10	178–4	3.3b			
IDC	XI	04 08 36 05.7–4.6	52.96N	159.71E	116–88	3.6,3.5			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=9.2km az=36.0.
IDC Error ellipse: s-maj=128.2km s-min=66.2km az=103.0.

KRSC XI 05 19 40 42.0–.59 55.39N 161.79E 82–14 3.7L
¶604184092

KRSC Event type se.

KRSC XI 05 20 03 15.7–.88 56.41N 161.58E 107–6 3.6L
¶604184093

KRSC Event type se.

KRSC XI 06 21 07 17.0–.88 53.55N 160.91E 48–18 3.6L
¶604184096

KRSC Event type se.

ISC	**XI**	**09 00 58 13.6–1.1**	**54.81N–.03**	**162.38E–.03**	**27–8**	**3.6b**	**123**	**0-78**	
IDC	XI	09 00 58 10.0–1.2	54.98N	162.05E	0	3.8,3.6			**¶601883702**
MOS	XI	09 00 58 12.2–1.9	54.72N	162.44E	32	4.2b,3.6			
KRSC	XI	09 00 58 12.2–1.1	54.72N	162.44E	32–15	4.2L,3.6			
ISCJB	XI	09 00 58 13.3–.75	54.76N–.02	162.44E–.05	26–6	3.6b,3.6			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se.

KRSC XI 13 13 45 10.8–.59 55.55N 161.86E 76–11 3.8L
¶604184111

KRSC Event type se.

ISC	**XI**	**14 14 29 09.5–.76**	**55.54N–.02**	**162.14E–.03**	**66–6**	**4.1b**	**162**	**1-82**	
KRSC	XI	14 14 29 06.7–.59	55.52N	162.20E	72–14	4.5L			**¶601897600**
MOS	XI	14 14 29 07.9–.73	55.57N	162.09E	72	4.2b			
ISCJB	XI	14 14 29 08.2–.28	55.54N–.02	162.14E–.05	73–3	4.0b			
IDC	XI	14 14 29 11.4–3.0	55.62N	161.77E	82–28	4.0,3.9			

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.6km az=77.5.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=22.4.
IDC Error ellipse: s-maj=17.6km s-min=13.4km az=140.0.

KRSC XI 15 04 15 21.7–.85 55.28N 162.38E 40–19 3.7L
¶604184116

KRSC Event type se.

KRSC XI 15 18 09 21.9–.56 54.05N 160.77E 58–13 3.6L
¶604184117

KRSC Event type se.

ISC	**XI**	**16 21 51 04.1–.61**	**55.88N–.03**	**162.79E–.03**	**22–4**	**3.6b**	**130**	**0-79**	
KRSC	XI	16 21 51 01.8–.93	55.73N	162.88E	19–19	4.3L			**¶601909893**
ISCJB	XI	16 21 51 04.0–.54	55.82N–.02	162.83E–.05	31–5	3.7b			
MOS	XI	16 21 51 03.5–.58	55.80N	162.79E	24	4.1b			
IDC	XI	16 21 51 09.0–3.5	55.80N	162.37E	69–36	3.7,3.6			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=26.7.
MOS Error ellipse: s-maj=7.5km s-min=5.0km az=73.8.
IDC Error ellipse: s-maj=28.0km s-min=19.6km az=166.0.

ISC	**XI**	**17 00 11 42.9–1.2**	**53.16N–.04**	**160.15E–.04**	**61–7**		**96**	**0-15**	
MOS	XI	17 00 11 41.6–.85	53.06N	160.17E	63	4.3b			**¶601992333**
KRSC	XI	17 00 11 41.7–1.2	53.20N	160.15E	60–11	4.2L			
ISCJB	XI	17 00 11 43.4–.66	53.20N–.05	160.08E–.07	58–7	4.2L			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se.

ISC	**XI**	**19 06 23 33.0–1.1**	**56.29N–.04**	**163.07E–.03**	**13–6**	**3.3b**	**93**	**0-80**	
IDC	XI	19 06 23 31.6–1.2	56.12N	162.80E	0	3.6,3.4			**¶601992845**
KRSC	XI	19 06 23 31.2–1.1	56.06N	163.13E	6–11	4.3L,3.4			
MOS	XI	19 06 23 31.9–.70	56.15N	163.05E	8	4.2b,3.4			
ISCJB	XI	19 06 23 32.5–.72	56.14N–.04	163.12E–.05	12–4	3.3b,2.9s			

ISC Event type se.
KRSC Event type se. FELT [III] at Krutoberegovo, Ust-Kamchatsk; [II] at cape Afrika.
ISCJB Event type se.

KRSC XI 20 10 20 14.9–.81 53.36N 159.53E 89–8 3.9L
¶604184123

KRSC Event type se.

KRSC XI 20 15 34 39.3–1.0 53.44N 160.47E 48–13 3.6L
¶604184124

KRSC Event type se.

KRSC	**XI**	**22 22 58 26.0–.52**	**55.08N**	**161.69E**	**68–9**	**4.2L**			
MOS	XI	22 22 58 26.0–1.1	55.08N	161.69E	68	4.3b			**¶601993815**

KRSC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=5.0km az=77.1.

ISC	**XI**	**24 02 54 15.7–.70**	**54.91N–.03**	**160.99E–.04**	**114–5**	**3.4b**	**120**	**0-85**	
KRSC	XI	24 02 54 14.2–.96	54.90N	161.05E	115–12	4.1L			**¶601994057**
MOS	XI	24 02 54 14.2–1.4	54.90N	161.05E	115	4.4b			
ISCJB	XI	24 02 54 15.5–.33	54.94N–.03	160.81E–.09	119–3	3.5b			
IDC	XI	24 02 54 17.2–2.4	55.05N	160.45E	122–23	3.7,3.5			

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=12.8km s-min=4.8km az=78.7.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.2km az=23.7.
IDC Error ellipse: s-maj=25.8km s-min=17.4km az=147.0.

KRSC XI 27 03 02 17.9–1.1 55.13N 162.91E 60–19 3.6L
¶604184135

KRSC Event type se.

IDC XI 27 07 01 49.1–1.9 55.37N 161.21E 0 3.6,3.4b
¶602390043

IDC Error ellipse: s-maj=60.2km s-min=26.7km az=147.0.

KRSC XI 27 19 52 05.2–.73 55.71N 162.64E 64–17 3.6L
¶604184137

KRSC Event type se.

KRSC XII 02 05 10 38.6–.46 53.98N 160.50E 75–6 3.6L
¶604184141

KRSC Event type se.

ISC	**XII**	**04 20 17 39.4–.66**	**53.79N–.03**	**160.46E–.04**	**113–5**	**3.9b**	**160**	**1-86**	
KRSC	XII	04 20 17 38.8–.85	53.79N	160.51E	110–8	4.6L			**¶601996052**
ISCJB	XII	04 20 17 39.2–.35	53.81N–.03	160.38E–.08	124–2	3.9b			
MOS	XII	04 20 17 39.5–.90	53.86N	160.25E	125	4.0b			
IDC	XII	04 20 17 41.6–1.3	53.99N	160.03E	124–11	3.9,3.7			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=2.7km az=29.7.
MOS Error ellipse: s-maj=11.2km s-min=4.6km az=77.4.
IDC Error ellipse: s-maj=17.5km s-min=15.0km az=130.0.

KRSC XII 05 17 35 38.1–.76 55.71N 162.29E 55–16 3.7L
¶604184144

KRSC Event type se.

ISC	**XII**	**10 03 34 36.4–.94**	**53.7N–.10**	**158.1E–.10**	**210–7**	**3.0b**	**25**	**0-76**	
ISCJB	XII	10 03 34 36.2–.72	53.7N–.10	158.2E–.20	213–5	2.9b			**¶602035433**
IDC	XII	10 03 34 36.4–1.1	53.83N	157.77E	208–7	3.3,3.1			
KRSC	XII	10 03 34 36.9–.91	53.74N	158.23E	204–7	3.6L,3.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=15.7km az=139.0.
IDC Error ellipse: s-maj=36.1km s-min=30.9km az=173.0.
KRSC Event type se.

ISC	**XII**	**14 08 05 09.3–.85**	**55.91N–.03**	**162.33E–.05**	**43–9**	**3.7b**	**56**	**0-68**	
KRSC	XII	14 08 05 06.7–.82	55.86N	162.32E	57–12	4.0L			**¶602043499**
ISCJB	XII	14 08 05 08.1–.47	55.88N–.03	162.34E–.07	51–5	3.7b			
IDC	XII	14 08 05 11.2–4.1	55.93N	162.36E	61–50	3.7,3.7			

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.0km az=15.1.
IDC Error ellipse: s-maj=32.7km s-min=22.3km az=178.0.

KRSC XII 15 02 41 01.7–.86 53.31N 160.56E 46–8 3.5L
¶604184158

KRSC Event type se.

KRSC XII 15 20 32 26.1–1.1 54.97N 162.32E 47–16 3.9L
¶604184160

KRSC Event type se.

ISC	**XII**	**16 14 51 25.2–1.2**	**51.57N–.06**	**158.03E–.06**	**76–7**		**77**	**0-84**	
ISCJB	XII	16 14 51 24.0–.69	51.56N–.06	158.0E–.10	89–6	3.0b			**¶602051522**
MOS	XII	16 14 51 23.6–1.6	51.58N	158.08E	82	4.4b			
KRSC	XII	16 14 51 23.6–1.1	51.58N	158.08E	82–9	4.2L			
IDC	XII	16 14 51 24.2–5.8	51.55N	157.55E	90–39	3.1,2.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=5.0km az=38.4.
MOS Error ellipse: s-maj=21.7km s-min=5.3km az=80.6.
KRSC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=29.0km az=169.0.

ISC	**XII**	**20 07 18 01.4–.81**	**55.03N–.02**	**162.14E–.04**	**57–7**	**4.2b,3.7s**	**277**	**1-85**	
KRSC	XII	20 07 17 58.1–1.0	54.99N	162.26E	57–19	4.9L,3.7s			**¶602052917**
MOS	XII	20 07 17 59.7–.97	55.03N	162.25E	53	4.4b,3.7s			
ISCJB	XII	20 07 18 00.6–.31	55.03N–.02	162.11E–.04	65–3	4.2b,3.7s			
IDC	XII	20 07 18 01.7–2.2	55.15N	162.04E	57–21	4.0,4.0			
NEIC	XII	20 07 18 02.4–.99	55.12N	161.79E	68–11	4.1b,4.0			

ISC Event type se.
KRSC Event type se. FELT [II] at GMS Kronoki.
MOS Error ellipse: s-maj=7.3km s-min=4.0km az=81.1.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.2km az=26.5.
IDC Error ellipse: s-maj=16.8km s-min=10.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.5km az=152.0.

KRSC XII 20 09 33 16.5–1.0 54.39N 162.17E 43–18 3.6L
¶604184164

KRSC Event type se.

ISC	**XII**	**21 04 49 03.3–.47**	**52.01N–.04**	**158.45E–.04**	**126–3**	**4.7b**	**452**	**0-87**	
BJI	XII	21 04 49 00.9	52.25N	158.49E	127	5.1b,4.9b			**¶602054394**
KRSC	XII	21 04 49 01.3–1.1	51.91N	158.71E	112–9	5.3L,4.9b			
ISCJB	XII	21 04 49 02.8–.27	52.07N–.03	158.32E–.05	125–1	4.7b,4.9b			
MOS	XII	21 04 49 02.1–.93	52.02N	158.41E	125	4.7b,4.9b			
NEIC	XII	21 04 49 05.8–.66	52.18N	158.14E	135–5	4.6b,4.9b			
IDC	XII	21 04 49 05.4–.88	52.13N	158.22E	134–5	4.5,4.2			

ISC Event type fe.
KRSC Event type se. FELT [III] at lighthouse Krugliy.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=40.9.
MOS Error ellipse: s-maj=7.4km s-min=3.8km az=92.1.

NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=141.0. Felt in the Petropavlovsk-Kamchatskiy area.
IDC Error ellipse: s-maj=14.6km s-min=9.8km az=137.0.
IDC XII 21 04 49 10.6–.91 51.44N 157.76E 0 4.2,3.9 ¶602391780
IDC Error ellipse: s-maj=33.7km s-min=20.8km az=143.0.
ISC XII 21 06 57 34.1–1.1 54.87N–.03 162.23E–.05 29–8 3.3b 109 0-82
KRSC XII 21 06 57 32.2–1.2 54.75N 162.43E 36–12 4.2L **¶602056289**
ISCJB XII 21 06 57 33.3–.95 54.77N–.03 162.44E–.09 30–6 3.4s,3.4b
MOS XII 21 06 57 34.1–.69 54.81N 162.36E 41 4.3b,3.4b
IDC XII 21 06 57 38.5–3.8 54.99N 161.91E 65–34 3.4,3.4
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.3km az=18.9.
MOS Error ellipse: s-maj=8.6km s-min=5.1km az=81.3.
IDC Error ellipse: s-maj=34.4km s-min=22.3km az=112.0.
ISC XII 21 07 47 45.4–1.2 54.81N–.03 162.10E–.05 32–8 3.4b 108 0-78
KRSC XII 21 07 47 43.7–1.0 54.76N 162.20E 32–13 4.4L **¶602056290**
MOS XII 21 07 47 44.7–.65 54.79N 162.32E 39 4.4b
ISCJB XII 21 07 47 45.3–.62 54.81N–.03 162.21E–.10 51–7 3.5b
IDC XII 21 07 47 47.8–4.1 54.92N 161.95E 54–38 3.4,3.4
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.7km az=19.0.
IDC Error ellipse: s-maj=36.5km s-min=25.8km az=122.0.
ISC XII 21 07 47 54.8–1.1 54.62N–.03 162.17E–.05 29–7 4.0b 109 0-140
KRSC XII 21 07 47 52.7–1.4 54.71N 162.32E 4–13 4.6L **¶602056293**
MOS XII 21 07 47 54.6–1.7 54.82N 162.40E 32 4.2b
IDC XII 21 07 48 00.1–3.2 54.92N 161.97E 60–30 3.9,3.9
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.8km s-min=5.6km az=79.9.
IDC Error ellipse: s-maj=21.1km s-min=15.6km az=125.0.
KRSC XII 21 08 09 38.9–1.5 54.75N 162.25E 36–10 3.7L ¶604184165
KRSC Event type se.
ISC XII 21 08 22 50.0–1.3 54.82N–.03 162.40E–.06 18–9 3.3b 107 0-82
ISCJB XII 21 08 22 50.7–.88 54.77N–.02 162.42E–.08 27–6 3.3b **¶602056295**
KRSC XII 21 08 22 50.1–.90 54.76N 162.35E 33–11 4.1L
MOS XII 21 08 22 51.6–.58 54.80N 162.35E 42 4.2b
IDC XII 21 08 22 54.5–3.9 54.91N 161.99E 56–36 3.4,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.1km az=21.6.
KRSC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.5km az=77.3.
IDC Error ellipse: s-maj=31.0km s-min=21.8km az=134.0.
KRSC XII 21 08 35 00.1–1.1 54.76N 162.33E 36–11 3.6L ¶604184166
KRSC Event type se.
KRSC XII 21 11 57 01.1–1.2 54.74N 162.40E 31–14 4.1L
MOS XII 21 11 57 03.0–1.0 54.79N 162.38E 41 4.2b **¶602056297**
KRSC Event type se.
MOS Error ellipse: s-maj=9.5km s-min=5.5km az=84.2.
KRSC XII 22 00 07 21.6–1.4 51.07N 157.36E 117–12 3.7L ¶604184168
KRSC Event type se.
ISC XII 22 23 35 54.0–.48 51.67N–.05 157.35E–.06 128–3 3.8b 114 0-89
ISCJB XII 22 23 35 53.5–.33 51.72N–.05 157.23E–.10 133–2 3.6b **¶602064055**
MOS XII 22 23 35 53.3–1.1 51.72N 157.06E 133 3.8b
KRSC XII 22 23 35 53.5–1.3 51.55N 157.67E 118–10 4.3L
IDC XII 22 23 35 55.4–.64 51.90N 156.97E 131–5 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.6km az=39.9.
MOS Error ellipse: s-maj=16.2km s-min=5.3km az=71.6.
KRSC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=146.0.
KRSC XII 23 20 38 37.1–1.2 54.78N 162.45E 18–30 4.1L
MOS XII 23 20 38 37.9–.48 54.82N 162.37E 14 4.3b **¶602057606**
KRSC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=6.0km az=93.7.
KRSC XII 24 07 44 39.1–.99 54.80N 162.21E 56–21 4.4L
MOS XII 24 07 44 40.3–.69 54.81N 162.24E 31 4.4b **¶602058324**
KRSC Event type se. FELT [III] at GMS Kronoki.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=5.2km az=88.8. Felt (III) at Kronoki. Moment Tensor Solution.
ISC XII 24 07 54 11.6–.47 54.85N–.03 162.10E–.03 40–3 5.2b,5.1s 1445 1-151
BJI XII 24 07 54 06.0 55.19N 161.75E 8 5.3s,5.2 **¶602056937**
KRSC XII 24 07 54 08.5–1.0 54.75N 162.42E 47–20 5.9L,5.2
NEIC XII 24 07 54 10.0–.08 54.91N 162.03E 27 5.3W,5.2b
IDC XII 24 07 54 10.7–1.9 54.96N 161.96E 25–12 5.1,5.0
MOS XII 24 07 54 11.1–1.0 54.82N 162.19E 50 5.3b,5.0s
ISCJB XII 24 07 54 11.8–.24 54.85N–.02 162.09E–.02 54–2 5.1b,4.9s
GCMT XII 24 07 54 13.9–.10 54.87N–.01 162.48E–.01 31–0 5.4W,4.9s
ISC Event type se.
KRSC Event type se. FELT [V] at GMS Kronoki; [II] at Pogodniy.
NEIC Event type se. Moment Tensor Solution. s91 Moment tensor: Scale 10^{16}Nm; M_{rr}7.56 $M_{\theta\theta}$-2.53 $M_{\phi\phi}$-5.03 $M_{r\theta}$2.48 $M_{\theta\phi}$-1.32 $M_{\phi r}$6.18 Best double couple: NP1:ϕ_s204.00000° ,δ22.00000°,λ91.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ90.00000°. Principal axes: T 10.3000,Plg67.0000°,Azm291.0000°; N -2.0000,Plg0.0000°,Azm22.0000° ; P -8.4000,Plg23.0000°,Azm113.0000° M_o9.50000×10^{16}
MOS Event type fe. Felt (V) at Kronoki; (II) at Ust'-Kamchatsk. Moment Tensor Solution.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c200; s107,c197;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$-1.14±.02; $M_{r\theta}$0.48±.03; $M_{\theta\phi}$-0.61±.01; $M_{\phi r}$0.81±.03; Best double couple: NP1:ϕ_s29.00000°,δ62.00000°,λ93.00000°. NP2:ϕ_s202.00000°,δ28.00000°,λ84.00000°. Principal axes: T 1.6050,Plg73.0000° ,Azm306.0000°; N 0.1160,Plg3.0000°,Azm207.0000°; P -1.7250,Plg17.0000°,Azm117.0000° M_o1.66500×10^{17}
KRSC XII 24 09 15 26.2–1.1 54.78N 162.32E 38–21 3.5L ¶604184174
KRSC Event type se.
KRSC XII 24 09 54 12.8–.95 52.32N 158.49E 91–7 3.8L ¶604184175
KRSC Event type se.
ISC XII 24 10 13 35.9–.35 54.87N–.03 162.08E–.04 40–4 4.6b,3.9s 482 1-139
BJI XII 24 10 13 30.0 55.29N 161.86E 9 5.0b,4.5b **¶602057613**
KRSC XII 24 10 13 34.2–1.3 54.83N 162.13E 60–20 5.1L,4.5b
ISCJB XII 24 10 13 36.2–.29 54.87N–.02 162.05E–.04 57–2 4.5b,3.9s
MOS XII 24 10 13 36.3–.98 54.89N 162.02E 59 4.8b,3.9s
NEIC XII 24 10 13 37.5–.38 54.98N 161.94E 51–3 4.6b,3.9s
IDC XII 24 10 13 37.2–2.5 54.99N 161.94E 44–23 4.5,4.4
ISC Event type se.
KRSC Event type se. FELT [IV] at GMS Kronoki.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.3km az=39.1.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=3.3km az=87.9. Felt (IV) at Kronoki. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.3km az=159.0.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=150.0.
ISC XII 24 10 47 47.5–.98 54.85N–.03 162.18E–.04 51–9 4.3b,3.4s 276 1-85
KRSC XII 24 10 47 42.9–1.4 54.76N 162.45E 50–22 4.7L,3.4s **¶602057614**
MOS XII 24 10 47 45.6–.94 54.84N 162.23E 50 4.5b,3.4s
ISCJB XII 24 10 47 46.8–.39 54.87N–.02 162.13E–.06 57–3 4.3b,3.4s
IDC XII 24 10 47 47.7–2.8 54.99N 161.95E 44–27 4.1,4.1
NEIC XII 24 10 47 47.5–.66 55.00N 161.97E 45–6 4.3b,4.1
ISC Event type se.
KRSC Event type se. FELT [III] at GMS Kronoki.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=3.7km az=87.4. Felt (III) at Kronoki. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.7km az=27.8.
IDC Error ellipse: s-maj=16.9km s-min=12.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=153.0.
KRSC XII 24 11 09 32.2–.98 54.78N 162.37E 40–18 3.7L ¶604184176
KRSC Event type se.
KRSC XII 24 14 44 03.8–.90 54.77N 162.42E 38–19 3.9L ¶604184177
KRSC Event type se.
ISC XII 24 15 18 51.2–1.2 54.88N–.03 162.24E–.05 42–12 3.6b 142 1-82
KRSC XII 24 15 18 48.8–.91 54.83N 162.23E 42–17 4.4L **¶602058329**
ISCJB XII 24 15 18 50.5–.51 54.88N–.02 162.22E–.07 53–5 3.5b
MOS XII 24 15 18 50.2–.61 54.89N 162.27E 48 3.8b
IDC XII 24 15 18 53.4–3.1 55.06N 161.94E 60–29 3.6,3.6
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=2.8km az=21.9.
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=84.3.
IDC Error ellipse: s-maj=18.8km s-min=14.2km az=154.0.
KRSC XII 24 16 01 42.1–.98 54.75N 162.44E 41–20 3.8L ¶604184178
KRSC Event type se.
ISC XII 24 19 08 49.9–1.5 54.84N–.03 162.25E–.05 27–11 3.4b 121 1-78
KRSC XII 24 19 08 48.9–.97 54.80N 162.26E 59–20 4.3L **¶602058331**
MOS XII 24 19 08 50.3–.39 54.83N 162.24E 55 4.4b
IDC XII 24 19 08 55.3–3.2 54.94N 161.50E 74–31 3.5,3.4
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=4.9km az=85.7.
IDC Error ellipse: s-maj=30.7km s-min=20.6km az=144.0.
KRSC XII 25 01 13 18.9–.48 54.21N 160.33E 93–7 3.5L ¶604184179
KRSC Event type se.
KRSC XII 25 14 15 46.1–.93 54.74N 162.39E 40–22 3.7L ¶604184180
KRSC Event type se.
KRSC XII 26 09 23 10.6–.63 54.95N 162.32E 54–10 3.7L ¶604184183
KRSC Event type se.
KRSC XII 26 17 44 17.8–1.1 52.01N 158.75E 88–9 3.6L ¶604184184
KRSC Event type se.
KRSC XII 30 02 19 44.3–.79 55.63N 161.70E 102–8 3.5L ¶604184187
KRSC Event type se.
KRSC XII 31 01 09 53.5–.72 54.55N 161.57E 45–8 3.9L ¶604184190
KRSC Event type se.
ISC XII 31 05 41 48.2–.82 54.39N–.03 161.45E–.04 48–7 4.2b 154 0-88
KRSC XII 31 05 41 47.2–1.1 54.35N 161.48E 44–13 4.9L **¶602065148**
ISCJB XII 31 05 41 48.4–.47 54.43N–.03 161.45E–.07 63–4 4.0b
MOS XII 31 05 41 48.1–.96 54.45N 161.44E 58 4.4b
IDC XII 31 05 41 50.6–2.6 54.61N 161.09E 65–23 4.1,4.0
ISC Event type se.
KRSC Event type se. FELT [V] at GMS Kronoki.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.3km az=28.1.
MOS Error ellipse: s-maj=9.5km s-min=4.7km az=69.9.
IDC Error ellipse: s-maj=15.0km s-min=10.7km az=140.0.
ISC XII 31 18 05 40.0–.56 51.04N–.05 158.53E–.05 67–4 3.9b 146 1-83
MOS XII 31 18 05 38.3–1.1 51.00N 158.57E 64 4.2b **¶602069108**
KRSC XII 31 18 05 38.6–1.7 51.09N 158.90E 60–23 4.7L
ISCJB XII 31 18 05 39.2–.74 51.05N–.05 158.50E–.09 74–5 3.8b
IDC XII 31 18 05 40.3–.53 51.03N 158.42E 69–4 3.9,3.7
ISC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=4.2km az=86.9.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=5.0km az=43.3.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=103.0.

(219) Off east coast of Kamchatka Peninsula.

KRSC VII 01 01 29 46.3–.90 53.54N 161.11E 49–17 3.6L ¶604183834
KRSC Event type se.
ISC VII 06 14 41 06.1–1.2 52.48N–.03 159.47E–.03 17–7 3.4b,3.1s 111 1-79
IDC VII 06 14 41 03.0–1.0 52.68N 159.54E 0 3.8,3.5 **¶601244175**
KRSC VII 06 14 41 05.3–1.1 52.46N 159.53E 36–14 4.1L,3.5
ISCJB VII 06 14 41 06.1–.68 52.46N–.03 159.50E–.05 26–4 3.3b,3.0s
MOS VII 06 14 41 07.0–1.4 52.47N 159.43E 41 4.2b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=16.8km az=172.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=43.3.
MOS Error ellipse: s-maj=10.2km s-min=4.8km az=87.8.
KRSC VII 08 03 16 59.0–1.0 53.61N 161.08E 41–19 4.0L
MOS VII 08 03 17 00.5–.66 53.60N 161.04E 28 4.2b **¶601605920**
KRSC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=4.8km az=80.7.
ISC VII 10 05 13 23.6–.76 51.29N–.06 160.80E–.05 36–2 3.8b 149 2-78
IDC VII 10 05 13 18.1–.75 51.29N 160.60E 0 3.9,3.8b **¶601605932**
KRSC VII 10 05 13 19.6–1.8 51.32N 160.80E 61–29 4.3L,3.8b
ISCJB VII 10 05 13 21.2–.67 51.29N–.04 160.77E–.05 37–5 3.8b,3.8b
MOS VII 10 05 13 21.7–.65 51.33N 160.77E 43 4.2b,3.8b
NEIC VII 10 05 13 24.6–1.2 51.35N 160.49E 43–9 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=17.1km az=8.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=163.0.
MOS Error ellipse: s-maj=10.4km s-min=3.8km az=102.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.0km az=162.0.
KRSC VII 13 19 19 07.6–1.2 56.00N 163.98E 9–33 3.5L ¶604183857
KRSC Event type se.
KRSC VII 14 01 11 47.4–.92 52.49N 159.86E 32–12 3.7L ¶604183858
KRSC Event type se.
KRSC VII 15 15 37 32.3–.80 51.79N 159.08E 45–12 3.7L ¶604183861
KRSC Event type se.
KRSC VII 16 09 39 06.5–1.4 52.13N 159.90E 50–18 3.7L ¶604183863
KRSC Event type se.
KRSC VII 17 03 42 14.5–.89 53.67N 161.08E 46–15 4.3L
MOS VII 17 03 42 16.1–1.1 53.65N 161.06E 42 4.4b **¶601404400**
KRSC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=5.5km az=76.0.
IDC VII 20 05 07 04.7–1.3 52.09N 160.41E 0 3.7,3.3 ¶601664860
IDC Error ellipse: s-maj=46.1km s-min=29.0km az=151.0.
KRSC VII 26 21 22 07.8–1.8 51.28N 160.73E 65–29 3.5L ¶604183889
KRSC Event type se.
KRSC VII 28 07 08 35.5–.94 52.56N 159.79E 46–14 4.0L
MOS VII 28 07 08 35.5–1.8 52.56N 159.79E 46 4.2b **¶601497232**
KRSC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=5.3km az=91.5.
ISC VII 29 02 31 48.1–.74 52.94N–.04 160.05E–.04 49–6 4.6b 252 0-144
KRSC VII 29 02 31 45.5–1.5 52.84N 160.24E 50–14 4.9L **¶601484811**
MOS VII 29 02 31 47.7–.89 52.91N 160.05E 53 4.8b
ISCJB VII 29 02 31 48.4–.44 52.94N–.03 160.00E–.06 60–2 4.5b
NEIC VII 29 02 31 50.8–.85 53.15N 159.75E 65–7 4.6b
IDC VII 29 02 31 51.8–1.4 53.14N 159.74E 74–10 4.5,4.3
ISC Event type se.

KRSC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=3.9km az=87.3.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.2km az=40.8.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.5km az=147.0.
IDC Error ellipse: s-maj=15.0km s-min=10.8km az=135.0.
KRSC VIII 05 22 30 58.8–1.2 52.40N 159.50E 34–14 4.0L
MOS VIII 05 22 31 00.0–1.2 52.33N 159.42E 34 4.2b ¶601520602
KRSC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=4.6km az=90.4.
KRSC VIII 08 21 32 54.3–.88 52.43N 159.66E 42–13 3.5L
¶604183906
KRSC Event type se.
KRSC VIII 12 16 01 58.8–.49 52.70N 159.57E 56–7 3.7L
¶604183912

KRSC Event type se.
ISC VIII 18 09 18 59.1–2.7 51.40N–.05 161.22E–.04 17–16 4.4b 287 2-129
IDC VIII 18 09 18 56.8–.46 51.44N 161.11E 0 4.4,4.3 ¶601565855
KRSC VIII 18 09 18 58.2–2.1 51.44N 161.14E 71–32 4.8L,4.3
ISCJB VIII 18 09 19 00.0–1.1 51.44N–.03 161.08E–.03 33–7 4.3b,2.8s
BJI VIII 18 09 19 00.5 51.50N 161.00E 30 4.7b,4.4b
MOS VIII 18 09 19 00.7–.85 51.48N 161.09E 39 4.6b,4.4b
NEIC VIII 18 09 19 02.4–.17 51.47N 161.02E 35 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=10.0km az=158.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=179.3.
MOS Error ellipse: s-maj=7.3km s-min=3.4km az=103.2.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=165.0.
ISC VIII 19 23 47 37.9–1.8 55.16N–.04 163.30E–.03 1–12 3.7b 106 1-82
IDC VIII 19 23 47 37.4–.95 54.91N 163.71E 0 4.0,4.0 ¶601610433
ISCJB VIII 19 23 47 38.6–1.1 55.14N–.03 163.29E–.05 17–9 3.9s,3.6b
KRSC VIII 19 23 47 38.7–.73 55.17N 163.29E 60–21 4.4L,3.6b
MOS VIII 19 23 47 40.4–.49 55.18N 163.27E 37 4.1b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=17.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=138.2.
KRSC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=5.6km az=63.6.
ISC VIII 20 02 04 45.4–1.1 55.19N–.03 163.26E–.03 43–14 3.5b 131 1-82
IDC VIII 20 02 04 39.6–.98 55.29N 163.10E 0 3.7,3.5 ¶601610444
KRSC VIII 20 02 04 42.6–.81 55.16N 163.28E 59–22 4.3L,3.5
MOS VIII 20 02 04 43.9–.44 55.17N 163.30E 43 4.0b,3.5
ISCJB VIII 20 02 04 44.2–.42 55.17N–.02 163.28E–.05 50–6 3.5b,2.8s
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC VIII 23 12 47 40.1–1.1 52.55N 160.73E 22–14 3.8L
¶604183932

KRSC Event type se.
ISC VIII 23 21 33 04.1–1.5 52.60N–.04 160.62E–.04 3–9 4.1b,3.4s 140 1-87
KRSC VIII 23 21 32 58.2–1.2 52.40N 161.01E 6–9 4.5L,3.4s ¶601615822
MOS VIII 23 21 33 02.7–.96 52.62N 160.61E 6 4.3b,3.4s
IDC VIII 23 21 33 04.3–.67 52.71N 160.34E 0 4.1,4.0
NEIC VIII 23 21 33 08.2–2.2 52.76N 160.25E 22–15 4.4b,4.0
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=113.0.
IDC Error ellipse: s-maj=18.1km s-min=14.4km az=160.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.4km az=143.0.
KRSC VIII 24 00 26 38.1–.60 52.74N 160.10E 40–7 4.0L
¶604183935

KRSC Event type se.
ISC VIII 27 02 27 15.7–.91 55.37N–.04 163.18E–.04 30 3.3b 48 1-55
KRSC VIII 27 02 27 13.5–.61 55.26N 163.17E 44–19 3.9L ¶601628489
IDC VIII 27 02 27 13.0–1.5 55.91N 162.54E 0 3.4,3.2
ISCJB VIII 27 02 27 14.8–.44 55.31N–.03 163.16E–.06 30 3.3b,3.2
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC VIII 29 12 50 44.6–1.3 53.76N–.03 161.02E–.04 29–9 4.2b 173 1-82
KRSC VIII 29 12 50 44.0–.84 53.71N 161.13E 47–14 4.7L ¶601664190
MOS VIII 29 12 50 46.3–.68 53.74N 160.98E 56 4.3b
NEIC VIII 29 12 50 49.5–1.0 53.90N 160.59E 67–8 4.2b
IDC VIII 29 12 50 50.3–2.2 53.93N 160.50E 74–19 4.2,4.0
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=3.9km az=78.1.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.0km az=123.0.
IDC Error ellipse: s-maj=15.7km s-min=10.6km az=123.0.
KRSC IX 01 09 48 22.4–2.0 51.16N 160.87E 80–36 3.6L
¶604183958

KRSC Event type se.
KRSC IX 03 05 28 03.9–.98 55.65N 163.32E 15–15 3.8L
¶604183963

KRSC Event type se.
ISC IX 04 22 54 23.6–3.1 51.95N–.06 160.70E–.05 14–20 4.0b 85 1-61
IDC IX 04 22 54 20.0–2.7 51.51N 160.57E 0 3.9,3.9b ¶601675402
MOS IX 04 22 54 25.9–.99 51.92N 160.67E 52 4.3b,3.9b
KRSC IX 04 22 54 25.4–1.8 52.07N 160.71E 51–22 3.9L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=38.9km az=167.0.
MOS Error ellipse: s-maj=11.5km s-min=5.0km az=110.0.
KRSC Event type se.
KRSC IX 04 23 18 47.4–1.9 52.13N 160.73E 50–31 3.8L
¶604183965

KRSC Event type se.
KRSC IX 05 13 33 58.4–1.2 52.95N 160.15E 92–12 3.5L
¶604183970

KRSC Event type se.
ISC IX 05 16 58 13.6–.61 51.66N–.05 160.44E–.05 35 3.8b 128 1-71
MOS IX 05 16 58 09.7–2.9 51.62N 160.50E 57 4.2b ¶601685401
KRSC IX 05 16 58 09.7–1.7 51.62N 160.50E 57–22 4.1L
IDC IX 05 16 58 09.3–.93 51.80N 160.33E 0 4.1,3.9
ISCJB IX 05 16 58 11.9–.41 51.65N–.03 160.46E–.05 35 4.0b,3.9
NEIC IX 05 16 58 14.7–1.3 51.81N 160.30E 37–11 4.5b,3.9
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=4.1km az=98.3.
KRSC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=15.6km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=44.4.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.1km az=155.0.
ISC IX 06 22 10 13.7–.80 52.98N–.04 159.63E–.04 98–5 3.8b 119 0-82
IDC IX 06 22 10 10.6–2.1 54.37N 158.26E 0 4.1,4.1L ¶601687351
ISCJB IX 06 22 10 14.0–.49 52.98N–.04 159.60E–.07 100–3 3.8b,4.1L
MOS IX 06 22 10 13.6–1.6 52.99N 159.62E 94 3.9b,4.1L
KRSC IX 06 22 10 13.6–.67 52.99N 159.62E 94–5 4.2L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=66.9km s-min=12.9km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.2km az=40.3.
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=82.2.
KRSC Event type se.
KRSC IX 11 00 32 10.7–1.2 52.86N 160.65E 26–13 3.5L
¶604183986

KRSC Event type se.
KRSC IX 12 05 05 17.0–1.5 52.60N 160.35E 44–15 3.7L
¶604183987

KRSC Event type se.
ISC IX 14 11 08 12.6–.62 55.31N–.03 163.28E–.03 42–6 3.9b,3.2s 196 1-83
KRSC IX 14 11 08 09.7–1.1 55.28N 163.30E 60–21 4.6L,3.2s ¶601717550
ISCJB IX 14 11 08 11.6–.39 55.31N–.02 163.27E–.05 55–3 4.0b,3.2s
MOS IX 14 11 08 11.9–.69 55.33N 163.20E 51 4.7b,3.2s
NEIC IX 14 11 08 14.0–.94 55.55N 162.89E 49–9 4.4b,3.2s
IDC IX 14 11 08 14.6–2.7 55.53N 162.95E 56–26 3.9,3.8L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=22.1.
MOS Error ellipse: s-maj=7.0km s-min=4.9km az=68.9.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.2km az=146.0.
IDC Error ellipse: s-maj=27.9km s-min=13.2km az=145.0.
ISC IX 18 22 54 28.7–1.2 52.70N–.04 160.77E–.04 23–4 3.9b 113 1-87
IDC IX 18 22 54 25.5–1.1 52.78N 160.72E 0 4.1,3.9L ¶601725130
KRSC IX 18 22 54 28.4–1.6 52.67N 160.74E 30–19 4.3L,3.9L
MOS IX 18 22 54 30.6–.99 52.88N 160.68E 48 4.7b,3.9L
NEIC IX 18 22 54 34.0–2.8 52.79N 160.25E 54–18 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=18.2km az=115.0.
KRSC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=7.3km az=38.1.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=12.7km az=102.0.
KRSC IX 20 07 22 13.8–.76 52.73N 159.50E 102–7 3.8L
¶604183998

KRSC Event type se.
ISC IX 20 12 55 26.8–1.2 52.82N–.04 160.57E–.04 31–8 3.6b 126 0-80
MOS IX 20 12 55 26.3–2.0 52.95N 160.62E 41 4.2b ¶601735534
KRSC IX 20 12 55 26.4–1.3 52.95N 160.62E 41–12 4.0L
ISCJB IX 20 12 55 28.5–.57 52.94N–.03 160.53E–.06 43–8 3.6b
IDC IX 20 12 55 30.8–6.3 53.19N 160.37E 66–46 3.7,3.6
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.6km az=89.3.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=40.9.
IDC Error ellipse: s-maj=53.1km s-min=31.2km az=69.0.
KRSC IX 21 22 03 37.9–1.0 52.50N 159.39E 99–11 3.8L
¶604184003

KRSC Event type se.
ISC IX 23 15 47 09.4–1.7 52.10N–.05 160.53E–.05 24–10 4.1b 114 1-79
KRSC IX 23 15 47 07.5–1.9 52.03N 160.65E 59–22 4.4L ¶601737066
MOS IX 23 15 47 13.0–.96 52.28N 160.27E 63 4.3b
IDC IX 23 15 47 24.9–1.5 52.79N 158.77E 94–10 3.9,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=4.3km az=100.7.
IDC Error ellipse: s-maj=24.7km s-min=15.2km az=108.0.
ISC IX 23 19 04 36.8–1.4 52.17N–.05 159.89E–.06 45–12 3.7b 84 1-79
KRSC IX 23 19 04 34.1–1.1 52.12N 159.95E 52–17 4.0L ¶601738488
ISCJB IX 23 19 04 35.5–.84 52.15N–.05 159.94E–.08 56–6 3.7b
MOS IX 23 19 04 36.1–.82 52.18N 159.80E 58 4.2b
IDC IX 23 19 04 38.4–5.2 52.36N 159.95E 58–38 3.7,3.5
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.2km az=39.9.
MOS Error ellipse: s-maj=13.0km s-min=6.1km az=109.9.
IDC Error ellipse: s-maj=42.5km s-min=20.0km az=98.0.
ISC IX 24 14 39 53.8–.67 52.86N–.04 159.54E–.04 62–5 4.2b 178 0-144
KRSC IX 24 14 39 53.0–.70 52.84N 159.62E 64–6 4.8L ¶601738742
MOS IX 24 14 39 53.5–1.2 52.87N 159.38E 73 4.3b
BJI IX 24 14 39 53.8 53.78N 159.15E 54 4.5b,4.3b
ISCJB IX 24 14 39 54.6–.38 52.91N–.03 159.33E–.07 83–2 4.1b,4.3b
IDC IX 24 14 39 57.5–.93 53.07N 159.18E 87–6 4.1,3.9
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.0km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=3.2km az=36.3.
IDC Error ellipse: s-maj=15.7km s-min=11.2km az=142.0.
KRSC IX 26 19 04 34.7–1.3 52.17N 160.03E 41–15 3.6L
¶604184012

KRSC Event type se.
KRSC IX 28 06 37 12.4–1.0 52.02N 159.78E 20–18 3.5L
¶604184015

KRSC Event type se.
KRSC X 05 19 00 24.1–1.1 52.88N 160.68E 28–13 3.7L
¶604184031

KRSC Event type se.
ISC X 15 01 19 05.7–.49 51.86N–.03 159.56E–.02 46–3 5.5s,5.4b 1479 1-160
KRSC X 15 01 18 58.8–1.5 51.54N 160.07E 46–16 6.0L,5.4b ¶601834067
BJI X 15 01 18 58.6 52.03N 159.52E 14 5.9s,5.8
NEIC X 15 01 19 03.0–.00 51.91N 159.45E 21 5.9s,5.8
NEIC X 15 01 19 03.2–.14 51.90N 159.38E 21 5.6W,5.6W
ISCJB X 15 01 19 04.8–.31 51.81N–.02 159.51E–.02 50–2 5.5s,5.3b
MOS X 15 01 19 04.6–1.1 51.82N 159.49E 52 5.7s,5.6b
IDC X 15 01 19 06.4–2.0 51.83N 159.48E 55–17 5.4,5.4s
GCMT X 15 01 19 07.2–.10 51.70N–.01 159.89E–.01 24–0 5.6W,5.4s
PDG X 15 01 19 07.7 52.09N 159.17E 40 5.5b,5.4s
ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-0.99 $M_{r\theta}$1.23 $M_{\theta\phi}$-0.35 $M_{\phi r}$2.19 Best double couple: NP1:ϕ_s30.00000° ,δ75.00000°,λ89.00000°. NP2:ϕ_s216.00000°,δ15.00000°,λ95.00000°. Principal axes: T 3.1700,Plg60.0000°,Azm298.0000°; N -0.5100,Plg1.0000°,Azm30.0000° ; P -2.6600,Plg29.0000°,Azm121.0000° M_o2.90000×10^{17}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.7km az=167.0. Moment Tensor Solution. s84 Moment tensor: Scale 10^{17}Nm; M_{rr}2.33 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.98 Best double couple: NP1:ϕ_s226.00000°,δ21.00000°,λ97.00000°. NP2:ϕ_s38.00000° ,δ69.00000°,λ87.00000°. Principal axes: T 3.4400,Plg66.0000°,Azm304.0000° ; N -0.3000,Plg3.0000°,Azm39.0000°; P -3.1400,Plg24.0000°,Azm131.0000° M_o3.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.0km az=163.2.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=2.7km az=92.2. Felt (III) at Petropavlovsk-Kamchatskiy, (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=11.1km s-min=8.4km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c226; s133,c337; Duration: 1ᵴ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$-0.88±.03; $M_{\phi\phi}$-2.00±.03; $M_{r\theta}$1.24±.05; $M_{\theta\phi}$-1.37±.02; $M_{\phi r}$1.23±.04; Best double couple: NP1:ϕ_s40.00000°,δ61.00000° ,λ96.00000°. NP2:ϕ_s208.00000°,δ30.00000°,λ80.00000°. Principal axes: T 3.3810,Plg74.0000°,Azm325.0000°; N 0.0100,Plg5.0000°,Azm217.0000° ; P -3.3900,Plg15.0000°,Azm125.0000° M_o3.38600×10^{17}
PDG Event type ke.
KRSC X 15 02 29 58.7–1.6 51.65N 159.92E 54–22 4.0L
MOS X 15 02 30 01.1–.88 51.72N 159.81E 56 4.2b ¶603071378
KRSC Event type se.
MOS Error ellipse: s-maj=17.1km s-min=5.7km az=101.1.
ISC X 15 09 05 45.2–1.7 51.53N–.04 159.78E–.05 1–10 3.9b,3.3s 106 1-78
KRSC X 15 09 05 48.4–1.7 51.63N 159.87E 48–24 4.5L,3.3s ¶601874161
MOS X 15 09 05 49.7–.72 51.58N 159.82E 53 4.1b,3.3s
IDC X 15 09 05 58.5–2.6 51.93N 158.99E 78–20 3.7,3.6
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=4.0km az=98.6.
IDC Error ellipse: s-maj=28.7km s-min=17.4km az=112.0.
ISC X 15 14 44 49.4–1.7 51.56N–.05 160.01E–.04 1–10 84 1-62
IDC X 15 14 44 48.3–2.8 51.35N 159.83E 0 3.9,3.8 ¶601836451
MOS X 15 14 44 52.0–2.1 51.57N 160.06E 52 4.3b,3.8
KRSC X 15 14 44 52.1–1.7 51.57N 160.06E 52–25 4.2L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=31.7km az=12.0.
MOS Error ellipse: s-maj=13.2km s-min=4.9km az=102.2.
KRSC Event type se.
ISC X 15 22 45 01.9–.55 51.83N–.04 159.68E–.03 32–3 5.0b,4.9s 1096 1-148
KRSC X 15 22 44 58.2–1.7 51.64N 159.95E 46–21 5.6L,4.9s ¶601835756
IDC X 15 22 44 59.1–2.7 51.84N 159.52E 12–16 4.9,4.9
MOS X 15 22 45 01.9–1.1 51.75N 159.59E 46 5.3b,5.0s

ISCJB	X	15 22 45 01.8–.38	51.73N–.02	159.69E–.02	46–2	5.0b,4.8s		
NEIC	X	15 22 45 02.7–.13	51.81N	159.52E	35	5.1b,4.8s		
BJI	X	15 22 45 03.3	52.17N	159.06E	46	5.2s,5.1b		
GCMT	X	15 22 45 04.7–.30	51.79N–.02	159.88E–.03	28–0	5.0W,5.1b		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Event type fe. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.							
ISCJB	Event type fe.							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c52; s85,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.18 $M_{\theta\theta}$-0.22±.11; $M_{\phi\phi}$-2.72±.12; $M_{r\theta}$2.93±.23; $M_{\theta\phi}$-2.03±.07; $M_{\phi r}$1.28±.18; Best double couple: NP1:ϕ_s54.00000°,δ68.00000°,λ114.00000°. NP2:ϕ_s184.00000°,δ32.00000°,λ44.00000°. Principal axes: T 4.6960,Plg59.0000° ,Azm359.0000°; N 0.0830,Plg22.0000°,Azm225.0000°; P -4.7730,Plg20.0000° ,Azm126.0000° M_o4.73400×10^{16}							
ISC	**X**	**15 22 58 52.7–1.6**	**51.67N–.06**	**159.72E–.07**	**48–14**	**3.9b**	**80**	**1-76**
KRSC	X	15 22 58 49.8–1.7	51.62N	159.81E	56–27	4.4L		**¶601836453**
ISCJB	X	15 22 58 51.0–.90	51.61N–.06	159.81E–.08	54–7	3.9b		
MOS	X	15 22 58 51.1–1.1	51.62N	159.76E	58	4.1b		
IDC	X	15 22 58 56.7–4.3	51.70N	158.92E	70–27	3.9,3.8		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=10.7km s-min=7.0km az=139.9.							
MOS	Error ellipse: s-maj=13.8km s-min=4.9km az=100.8.							
IDC	Error ellipse: s-maj=63.8km s-min=20.8km az=99.0.							
KRSC	**X**	**15 23 05 30.4–1.8**	**51.62N**	**159.91E**	**52–28**	**4.1L**		
MOS	X	15 23 05 30.4–1.5	51.62N	159.91E	52	4.2b		**¶601836454**
KRSC	Event type se.							
MOS	Error ellipse: s-maj=21.4km s-min=6.2km az=106.6.							
ISC	**X**	**15 23 06 17.7–.58**	**51.67N–.05**	**159.85E–.05**	**35–5**	**3.9b**	**118**	**1-78**
KRSC	X	15 23 06 13.7–2.0	51.62N	159.93E	70–36	4.5L		**¶601835757**
ISCJB	X	15 23 06 15.9–.80	51.61N–.05	159.87E–.07	44–5	3.8b		
MOS	X	15 23 06 19.7–1.1	51.82N	159.41E	60	4.0b		
IDC	X	15 23 06 23.8–2.7	51.91N	159.13E	77–20	3.9,3.8		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=135.4.							
MOS	Error ellipse: s-maj=10.4km s-min=4.7km az=100.4.							
IDC	Error ellipse: s-maj=24.8km s-min=18.4km az=127.0.							
KRSC	**X**	**16 01 29 47.2–1.9**	**51.69N**	**159.98E**	**44–23**	**3.8L**		
								¶604184048
KRSC	Event type se.							
ISC	**X**	**17 00 48 14.7–1.6**	**51.41N–.06**	**159.82E–.06**	**27–9**	**4.2b**	**79**	**1-78**
IDC	X	17 00 48 10.9–2.2	51.23N	159.44E	0	4.0,3.9		**¶601837350**
MOS	X	17 00 48 16.8–.73	51.54N	159.89E	49	4.2b,3.9		
KRSC	X	17 00 48 16.1–1.8	51.58N	159.82E	74–23	4.5L,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=70.7km s-min=43.8km az=65.0.							
MOS	Error ellipse: s-maj=15.4km s-min=5.0km az=101.8.							
KRSC	Event type se.							
KRSC	**X**	**18 21 36 51.2–.93**	**52.71N**	**160.53E**	**42–12**	**3.8L**		
								¶604184056
KRSC	Event type se.							
ISC	**X**	**19 16 27 08.7–1.4**	**51.28N–.05**	**160.81E–.04**	**19–4**	**3.5b**	**109**	**2-71**
KRSC	X	19 16 27 05.8–2.2	51.14N	161.01E	62–37	4.2L		**¶601839772**
IDC	X	19 16 27 06.9–1.1	51.38N	161.10E	0	4.0,3.7		
ISCJB	X	19 16 27 08.0–1.3	51.20N–.04	160.99E–.05	29–12	3.6b,3.7		
MOS	X	19 16 27 09.3–.88	51.24N	160.91E	53	4.0b,3.7		
ISC	Event type se.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=32.7km s-min=18.0km az=176.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=177.6.							
MOS	Error ellipse: s-maj=12.1km s-min=4.0km az=101.3.							
KRSC	**X**	**19 17 20 07.9–1.0**	**52.44N**	**159.99E**	**27–13**	**3.7L**		
								¶604184059
KRSC	Event type se.							
ISC	**X**	**24 19 14 30.0–1.5**	**51.57N–.06**	**159.69E–.06**	**40–13**	**4.0b**	**136**	**1-83**
BJI	X	24 19 14 22.3	52.03N	159.97E	16	4.9b,4.5b		**¶601846975**
KRSC	X	24 19 14 26.6–1.4	51.53N	159.80E	65–21	4.4L,4.5b		
ISCJB	X	24 19 14 28.3–.74	51.52N–.04	159.77E–.06	44–5	4.0b,3.9s		
MOS	X	24 19 14 30.2–.85	51.67N	159.64E	55	4.4b,3.9s		
IDC	X	24 19 14 34.6–2.2	51.70N	159.41E	75–17	3.9,3.7		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=136.7.							
MOS	Error ellipse: s-maj=10.7km s-min=3.9km az=97.9.							
IDC	Error ellipse: s-maj=17.7km s-min=12.7km az=128.0.							
KRSC	**X**	**24 19 29 09.3–1.4**	**51.53N**	**159.67E**	**50–23**	**3.6L**		
								¶604184063
KRSC	Event type se.							
KRSC	**X**	**25 06 55 22.4–1.6**	**53.04N**	**162.57E**	**66–25**	**3.5L**		
								¶604184065
KRSC	Event type se.							
KRSC	**X**	**25 07 32 57.4–1.8**	**52.94N**	**162.71E**	**44–24**	**3.6L**		
								¶604184066
KRSC	Event type se.							
ISC	**X**	**25 11 46 30.8–1.7**	**51.54N–.05**	**159.72E–.05**	**28–11**	**4.0b**	**131**	**1-78**
KRSC	X	25 11 46 28.9–1.4	51.48N	159.80E	61–22	4.4L		**¶601848720**
BJI	X	25 11 46 29.8	51.38N	159.93E	68	4.8b,4.5b		
NEIC	X	25 11 46 30.8–1.1	51.36N	159.42E	35	4.6b,4.5b		
MOS	X	25 11 46 32.1–.71	51.60N	159.66E	57	4.3b,4.5b		
IDC	X	25 11 46 36.0–3.0	51.68N	159.37E	65–26	3.7,3.6		
ISC	Event type se.							
KRSC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=22.3km s-min=12.6km az=198.0.							
MOS	Error ellipse: s-maj=10.2km s-min=4.0km az=98.4.							
IDC	Error ellipse: s-maj=21.7km s-min=15.8km az=131.0.							
KRSC	**X**	**28 06 39 07.9–1.0**	**55.30N**	**163.24E**	**52–23**	**3.7L**		
								¶604184072
KRSC	Event type se.							
KRSC	**X**	**30 00 47 37.6–1.0**	**55.40N**	**163.39E**	**24–33**	**3.6L**		
								¶604184076
KRSC	Event type se.							
KRSC	**X**	**30 04 50 38.4–1.8**	**52.37N**	**161.95E**	**61–21**	**3.9L**		
								¶604184077
KRSC	Event type se.							
KRSC	**X**	**30 12 35 45.6–1.2**	**51.93N**	**159.56E**	**26–18**	**3.9L**		
								¶604184078
KRSC	Event type se.							
ISC	**XI**	**02 01 52 06.2–.48**	**55.78N–.03**	**163.06E–.03**	**31–3**	**5.5s,5.4b**	**1690**	**0-169**
BJI	XI	02 01 51 59.6	55.97N	163.00E	8	6.1s,5.9		**¶601867848**
IDC	XI	02 01 52 01.7–.41	55.84N	162.85E	0	5.3,5.3s		
KRSC	XI	02 01 52 03.2–.95	55.75N	163.29E	46–17	5.6L,5.3s		
NEIC	XI	02 01 52 03.4–1.2	55.89N	162.80E	9–7	5.5W,5.5b		
MOS	XI	02 01 52 06.5–.85	55.85N	162.86E	50	5.6b,5.4s		
ISCJB	XI	02 01 52 06.3–.26	55.84N–.02	162.92E–.02	46–2	5.4s,5.4b		
GCMT	XI	02 01 52 08.3–.10	55.74N–.01	163.56E–.01	23–0	5.6W,5.4b		
ISC	Event type se.							
KRSC	Event type se. FELT [III] at cape Afrika, Krutoberegovo, Ust-Kamchatsk; [felt] at Nikolskoe, GMS Kronoki no.							
NEIC	Event type se. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.39 $M_{\theta\phi}$0.42 $M_{\phi r}$2.49 Best double couple: NP1:ϕ_s123.00000° ,δ10.00000°,λ29.00000°. NP2:ϕ_s5.00000°,δ85.00000°,λ99.00000°. Principal axes: T 2.8800,Plg49.0000°,Azm284.0000°; N -0.6000,Plg9.0000°,Azm184.0000° ; P -2.2800,Plg40.0000°,Azm87.0000° M_o2.60000×10^{17}							
MOS	Event type fe. Felt (III) at Ust'-Kamchatsk. Moment Tensor Solution.							
ISCJB	Event type fe.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c204; s133,c302; Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.34±.04 $M_{\theta\theta}$-0.21±.03; $M_{\phi\phi}$-2.13±.03; $M_{r\theta}$0.62±.06; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$1.67±.06; Best double couple: NP1:ϕ_s18.00000°,δ64.00000° ,λ93.00000°. NP2:ϕ_s192.00000°,δ26.00000°,λ84.00000°. Principal axes: T 2.9500,Plg71.0000°,Azm294.0000°; N -0.0670,Plg2.0000°,Azm197.0000° ; P -2.8800,Plg19.0000°,Azm106.0000° M_o2.91500×10^{17}							
ISC	**XI**	**03 11 34 20.9–1.8**	**51.47N–.05**	**159.90E–.05**	**12–10**	**4.3b**	**108**	**1-78**
KRSC	XI	03 11 34 17.3–1.8	51.21N	160.24E	41–25	4.5L		**¶602388761**
ISCJB	XI	03 11 34 20.3–1.4	51.35N–.04	160.10E–.06	27–11	4.4s,4.1b		
MOS	XI	03 11 34 22.9–1.2	51.48N	159.96E	41	4.5b,4.1b		
NEIC	XI	03 11 34 24.8–.49	51.62N	159.81E	35	4.4b,4.1b		
IDC	XI	03 11 34 29.1–3.4	51.75N	159.52E	67–27	4.4s,4.3		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.7km s-min=6.1km az=3.0.							
MOS	Error ellipse: s-maj=11.7km s-min=4.8km az=98.8.							
NEIC	Event type se. Error ellipse: s-maj=10.3km s-min=9.2km az=206.0.							
IDC	Error ellipse: s-maj=27.9km s-min=18.8km az=107.0.							
ISC	**XI**	**03 18 20 40.5–2.0**	**54.18N–.05**	**163.71E–.05**	**2–12**	**3.5b**	**38**	**1-82**
KRSC	XI	03 18 20 40.3–1.3	54.15N	163.74E	42–24	3.8L		**¶601874293**
IDC	XI	03 18 20 41.4–1.0	54.24N	163.52E	0	3.7,3.5b		
ISC	Event type se.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=40.8km s-min=20.8km az=173.0.							
KRSC	**XI**	**04 01 09 55.2–1.0**	**52.82N**	**160.59E**	**45–11**	**3.8L**		
								¶604184089
KRSC	Event type se.							
KRSC	**XI**	**04 19 26 18.1–1.3**	**52.06N**	**160.20E**	**17–21**	**3.7L**		
								¶604184090
KRSC	Event type se.							
ISC	**XI**	**06 08 32 48.6–3.6**	**51.52N–.06**	**159.74E–.05**	**17–25**		**87**	**1-5**
MOS	XI	06 08 32 47.5–1.7	51.50N	159.78E	61	4.4b		**¶601877568**
KRSC	XI	06 08 32 47.5–1.6	51.50N	159.78E	61–24	4.3L		
ISC	Event type se.							
MOS	Error ellipse: s-maj=14.7km s-min=4.5km az=95.1.							
KRSC	Event type se.							
KRSC	**XI**	**08 08 42 19.6–1.2**	**55.85N**	**163.12E**	**5–20**	**3.7L**		
								¶604184102
KRSC	Event type se.							
KRSC	**XI**	**11 07 08 09.5–1.1**	**51.93N**	**159.26E**	**42–16**	**3.8L**		
								¶604184107
KRSC	Event type se.							
KRSC	**XI**	**12 12 00 08.2–.97**	**52.48N**	**159.47E**	**102–10**	**3.7L**		
								¶604184108
KRSC	Event type se.							
KRSC	**XI**	**13 12 24 10.0–1.4**	**51.86N**	**159.35E**	**39–20**	**3.6L**		
								¶604184110
KRSC	Event type se.							
KRSC	**XI**	**13 14 29 26.8–1.8**	**51.40N**	**159.73E**	**65–30**	**3.9L**		
								¶604184112
KRSC	Event type se.							
KRSC	**XI**	**13 20 42 43.3–1.3**	**52.96N**	**160.54E**	**36–10**	**3.6L**		
								¶604184113
KRSC	Event type se.							
ISC	**XI**	**14 03 03 51.4–1.7**	**52.64N–.05**	**161.19E–.05**	**3–10**	**4.1b**	**98**	**1-69**
MOS	XI	14 03 03 51.8–.95	52.51N	161.23E	10	4.2b		**¶601901919**
IDC	XI	14 03 03 51.1–4.5	52.56N	161.13E	0	4.0,4.0		
KRSC	XI	14 03 03 53.5–2.3	52.68N	161.17E	16–34	4.1L,4.0		
ISCJB	XI	14 03 03 54.8–1.1	52.65N–.04	161.10E–.06	18–7	3.9b,4.0		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se.							
ISC	**XI**	**15 11 20 32.7–.58**	**52.74N–.04**	**160.99E–.04**	**22–4**	**4.5b**	**317**	**1-87**
BJI	XI	15 11 20 29.1	52.59N	160.85E	15	4.9b,4.6b		**¶601901953**
KRSC	XI	15 11 20 30.1–1.9	52.63N	161.20E	44–23	4.6L,4.6b		
IDC	XI	15 11 20 30.3–.56	52.90N	160.71E	0	4.4,4.3		
MOS	XI	15 11 20 34.4–1.1	52.78N	160.78E	50	4.8b,4.3		
NEIC	XI	15 11 20 34.5–1.4	52.92N	160.68E	27–10	4.4b,4.3		
ISC	Event type fe.							
KRSC	Event type se.							
IDC	Error ellipse: s-maj=14.6km s-min=10.9km az=144.0.							
MOS	Error ellipse: s-maj=6.5km s-min=4.1km az=99.7.							
NEIC	Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=161.0.							
KRSC	**XI**	**19 10 30 05.1–1.4**	**53.72N**	**161.76E**	**42–29**	**3.6L**		
								¶604184122
KRSC	Event type se.							
KRSC	**XI**	**21 03 23 08.1–1.3**	**53.83N**	**161.71E**	**40–18**	**3.6L**		
								¶604184126
KRSC	Event type se.							
ISC	**XI**	**22 17 27 31.2–1.2**	**52.95N–.06**	**162.85E–.07**	**35**	**3.4b**	**53**	**2-80**
IDC	XI	22 17 27 26.9–1.1	52.71N	163.12E	0	3.8,3.5		**¶601993775**
KRSC	XI	22 17 27 28.5–1.4	52.99N	162.80E	47–23	3.8L,3.5		
ISCJB	XI	22 17 27 30.2–.66	52.97N–.04	162.81E–.06	33	3.4b,3.2s		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se.							
ISC	**XI**	**24 11 52 27.4–.40**	**51.51N–.04**	**159.22E–.04**	**77–3**	**4.8b**	**826**	**1-145**
KRSC	XI	24 11 52 23.0–2.3	51.44N	159.48E	61–27	5.2L		**¶601994138**
MOS	XI	24 11 52 25.4–.90	51.47N	159.22E	70	5.1b		
ISCJB	XI	24 11 52 26.0–.35	51.51N–.02	159.23E–.03	75–2	4.7b		
BJI	XI	24 11 52 25.8	51.86N	159.12E	79	4.8b,4.7b		
IDC	XI	24 11 52 28.2–.48	51.59N	159.10E	80–3	4.7,4.5		
NEIC	XI	24 11 52 28.4–.56	51.62N	159.08E	79–5	4.9b,4.5		
ISC	Event type se.							
KRSC	Event type se. FELT [III] at lighthouse Krugliy.							
MOS	Error ellipse: s-maj=7.1km s-min=2.8km az=90.3.							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=2.5km az=155.5.							
IDC	Error ellipse: s-maj=9.4km s-min=7.0km az=149.0.							
NEIC	Event type se. Error ellipse: s-maj=4.4km s-min=2.4km az=162.0.							
KRSC	**XI**	**27 19 12 52.6–1.1**	**51.44N**	**161.15E**	**29–25**	**3.7L**		
								¶604184136
KRSC	Event type se.							
KRSC	**XII**	**02 05 56 14.7–.57**	**53.89N**	**161.38E**	**16–13**	**3.5L**		
								¶604184142
KRSC	Event type se.							
KRSC	**XII**	**05 13 30 56.8–1.9**	**51.49N**	**159.72E**	**69–29**	**3.8L**		
								¶604184143
KRSC	Event type se.							
ISC	**XII**	**09 07 21 23.8–1.7**	**53.69N–.05**	**162.06E–.09**	**43–17**	**3.4b**	**95**	**1-77**
IDC	XII	09 07 21 18.4–.88	53.81N	161.62E	0	3.8,3.5		**¶602033198**
KRSC	XII	09 07 21 20.2–.93	53.66N	162.16E	41–17	4.2L,3.5		
ISCJB	XII	09 07 21 22.1–.75	53.67N–.04	162.15E–.08	36–9	3.5b,3.5		
MOS	XII	09 07 21 23.0–.37	53.70N	162.00E	42	4.0b,3.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.7km s-min=20.0km az=150.0.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.0km s-min=4.1km az=35.8.							
MOS	Error ellipse: s-maj=8.4km s-min=5.4km az=88.8.							
ISC	**XII**	**10 09 05 59.5–1.5**	**54.91N–.04**	**163.43E–.04**	**3–10**	**4.0b**	**107**	**1-85**
KRSC	XII	10 09 06 00.8–1.1	54.89N	163.33E	40–25	4.3L		**¶602035435**
MOS	XII	10 09 06 02.1–.35	54.92N	163.50E	41	4.3b		
IDC	XII	10 09 06 02.1–2.0	55.20N	162.69E	0	3.9,3.7		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=8.0km s-min=6.0km az=110.8.							
IDC	Error ellipse: s-maj=48.2km s-min=25.1km az=159.0.							
ISC	**XII**	**12 10 44 47.0–3.9**	**53.56N–.06**	**162.55E–.07**	**12–25**		**46**	**1-69**
IDC	XII	12 10 44 46.3–2.1	53.91N	162.50E	0	3.8,3.4		**¶602043192**
KRSC	XII	12 10 44 47.9–1.4	53.58N	162.49E	61–21	3.8L,3.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=138.6km s-min=24.5km az=160.0.							
KRSC	Event type se.							
KRSC	**XII**	**14 16 44 47.0–1.2**	**55.82N**	**163.34E**	**22–16**	**3.8L**		
								¶604184157

KRSC	Event type se.								
ISC	**XII**	**17 03 10 08.0–.88**	**51.87N–.04**	**159.08E–.05**	**64–7**	**3.6b**	**94**	**1-78**	
KRSC	XII	17 03 10 05.8–1.0	51.88N	159.12E	64–15	4.4L			¶602051523
ISCJB	XII	17 03 10 06.8–.60	51.87N–.04	159.10E–.08	68–5	3.5b			
MOS	XII	17 03 10 06.9–.77	51.89N	159.00E	70	4.3b			
IDC	XII	17 03 10 11.3–2.1	51.94N	158.78E	91–15	3.7,3.6			
ISC	Event type se.								
KRSC	Event type se. FELT [II] at lighthouse Krugliy.								
ISCJB	Event type se. Error ellipse: s-maj=9.5km s-min=4.4km az=37.8.								
MOS	Error ellipse: s-maj=15.5km s-min=5.2km az=90.9.								
IDC	Error ellipse: s-maj=23.8km s-min=20.6km az=139.0.								
KRSC	**XII**	**17 04 19 19.6–1.6**	**53.12N**	**162.78E**	**80–31**	**3.7L**			
									¶604184161
KRSC	Event type se.								
KRSC	**XII**	**19 00 31 52.6–.89**	**52.93N**	**160.23E**	**89–7**	**3.5L**			
									¶604184163
KRSC	Event type se.								
KRSC	**XII**	**23 12 10 32.1–1.0**	**55.77N**	**163.21E**	**46–16**	**3.7L**			
									¶604184172
KRSC	Event type se.								
ISC	**XII**	**23 14 17 37.3–.53**	**52.51N–.03**	**159.38E–.04**	**39–3**	**4.1b**	**159**	**1-87**	
KRSC	XII	23 14 17 35.8–.71	52.51N	159.42E	41–9	4.7L			¶602057601
ISCJB	XII	23 14 17 36.9–.42	52.50N–.03	159.38E–.05	51–3	4.5s,4.1b			
MOS	XII	23 14 17 36.2–1.0	52.46N	159.37E	44	4.0b,4.1b			
NEIC	XII	23 14 17 38.8–.55	52.61N	159.22E	53–5	4.4b,4.1b			
IDC	XII	23 14 17 41.2–1.3	52.66N	159.07E	73–10	4.6s,4.6			
ISC	Event type se.								
KRSC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.8km s-min=3.6km az=135.7.								
MOS	Error ellipse: s-maj=9.5km s-min=4.5km az=85.8.								
NEIC	Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=152.0.								
IDC	Error ellipse: s-maj=18.5km s-min=12.0km az=145.0.								

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ISC	**VIII**	**04 07 44 40.4–.57**	**52.6N–.10**	**152.67E–.09**	**501**	**3.8b**	**69**	**3-78**	
ISCJB	VIII	04 07 44 39.8–.29	52.64N–.06	152.63E–.08	501	3.7b			¶601520289
NEIC	VIII	04 07 44 40.5–.42	52.54N	152.71E	498–8	4.0b			
IDC	VIII	04 07 44 40.9–1.1	52.63N	152.66E	506–15	3.9,3.2			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=146.8.								
NEIC	Event type se. Error ellipse: s-maj=16.9km s-min=5.9km az=148.0.								
IDC	Error ellipse: s-maj=12.4km s-min=8.6km az=135.0.								
KRSC	**VIII**	**05 13 57 37.8–1.5**	**51.28N**	**153.73E**	**464–21**	**3.7L**			
									¶604183902
KRSC	Event type se.								
ISC	**VIII**	**06 07 17 03.6–.48**	**47.33N–.06**	**147.86E–.06**	**350**	**3.6b**	**89**	**2-152**	
ISCJB	VIII	06 07 17 02.9–.30	47.47N–.03	147.80E–.08	350	3.6b			¶601765541
MOS	VIII	06 07 17 03.4–.85	47.45N	147.87E	368	4.0b			
SKHL	VIII	06 07 17 03.3–.70	47.31N	147.93E	363–30	5.0s,4.7b			
IDC	VIII	06 07 17 05.5–1.2	47.51N	147.75E	371–13	4.0,3.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=24.1.								
MOS	Error ellipse: s-maj=17.7km s-min=8.1km az=78.0.								
IDC	Error ellipse: s-maj=13.4km s-min=10.1km az=140.0.								
ISC	**VIII**	**08 05 57 19.4–.36**	**47.98N–.04**	**146.50E–.04**	**481–3**	**4.7b**	**1499**	**3-153**	
NIED	VIII	08 05 57 00	47.50N	146.70E	620	4.9W			¶601531857
ISCJB	VIII	08 05 57 18.4–.18	48.16N–.03	146.40E–.02	471–2	4.6b			
MOS	VIII	08 05 57 18.9–.81	48.08N	146.43E	481	4.7b			
BJI	VIII	08 05 57 18.9	48.16N	146.31E	470	4.8b,4.7b			
SKHL	VIII	08 05 57 19.1–.50	47.94N	146.83E	496–20	5.2s,4.8b			
JMA	VIII	08 05 57 19.0–.50	47.52N	146.69E	523	4.6,4.8b			
IDC	VIII	08 05 57 20.1–.63	48.12N	146.46E	483–7	5.0,4.2			
NEIC	VIII	08 05 57 20.3–1.3	48.10N	146.43E	485–6	4.7b,4.2			
ISC	Event type se.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ39.00000°,λ57.00000°. NP2:ϕ_s200.00000°,δ58.00000°,λ114.00000°. $M_0$2.73000×10^{16}								
ISCJB	Event type se. Error ellipse: s-maj=4.4km s-min=2.2km az=174.4.								
MOS	Error ellipse: s-maj=6.9km s-min=4.3km az=94.2.								
JMA	Error ellipse: s-maj=6.7km s-min=6.0km az=-1.0.								
IDC	Error ellipse: s-maj=8.3km s-min=6.7km az=147.0.								
NEIC	Event type se. Error ellipse: s-maj=14.6km s-min=11.9km az=147.0.								
ISC	**VIII**	**12 23 38 50.1–.33**	**48.03N–.04**	**148.12E–.04**	**421–3**	**4.3b**	**1222**	**3-152**	
NIED	VIII	12 23 38 00	47.40N	148.50E	420	4.8W			¶601554149
ISCJB	VIII	12 23 38 48.9–.14	48.18N–.02	147.95E–.02	413–1	4.3b			
JMA	VIII	12 23 38 48.8–.40	47.42N	148.46E	474	4.8			
KRSC	VIII	12 23 38 48.5–1.1	47.44N	149.20E	442–23	5.3L			
SKHL	VIII	12 23 38 48.5–.40	47.99N	148.19E	418–17	5.3b,5.0s			
MOS	VIII	12 23 38 49.1–.84	48.14N	147.98E	416	4.3b,5.0s			
IDC	VIII	12 23 38 51.0–.50	48.22N	147.91E	422–5	4.7,4.0			
NEIC	VIII	12 23 38 51.1–.30	48.24N	147.86E	422–3	4.5b,4.0			
BJI	VIII	12 23 38 53.6	48.20N	147.28E	432	4.7b,4.5b			
ISC	Event type se.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ34.00000°,λ37.00000°. NP2:ϕ_s210.00000°,δ70.00000°,λ119.00000°. $M_0$1.85000×10^{16}								
ISCJB	Event type se. Error ellipse: s-maj=3.8km s-min=1.8km az=151.5.								
JMA	Error ellipse: s-maj=4.4km s-min=4.5km az=-1.0.								
KRSC	Event type se.								
MOS	Error ellipse: s-maj=6.1km s-min=3.6km az=66.1.								
IDC	Error ellipse: s-maj=7.6km s-min=5.4km az=147.0.								
NEIC	Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=158.0.								
ISC	**VIII**	**23 14 19 40.3–.53**	**47.35N–.06**	**147.72E–.06**	**375**	**3.7b**	**107**	**2-80**	
ISCJB	VIII	23 14 19 39.6–.35	47.43N–.03	147.69E–.07	375	3.5b			¶601766361
MOS	VIII	23 14 19 39.6–.88	47.52N	147.77E	376	3.9b			
SKHL	VIII	23 14 19 40.2–.60	47.21N	147.73E	376–30	4.5b,4.3s			
IDC	VIII	23 14 19 41.6–1.5	47.64N	147.55E	376–17	4.0,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=20.1.								
MOS	Error ellipse: s-maj=16.8km s-min=8.4km az=75.4.								
IDC	Error ellipse: s-maj=15.4km s-min=10.6km az=149.0.								
ISC	**VIII**	**30 23 08 24.3–.44**	**47.66N–.06**	**148.26E–.05**	**384**	**3.9b**	**190**	**2-151**	
JMA	VIII	30 23 08 22.9–.50	47.17N	149.18E	384	4.0			¶601667538
ISCJB	VIII	30 23 08 23.7–.20	47.67N–.03	148.18E–.05	384	4.0b			
MOS	VIII	30 23 08 23.6–.98	47.84N	148.21E	379	4.0b			
SKHL	VIII	30 23 08 24.8–.00	47.48N	147.94E	387–12	5.0s,4.9b			
NEIC	VIII	30 23 08 25.1–.38	48.04N	148.04E	368–5	4.0b,4.9b			
IDC	VIII	30 23 08 25.9–1.5	48.00N	148.14E	380–18	4.1,3.5			
ISC	Event type se.								
JMA	Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=2.7km az=38.3.								
MOS	Error ellipse: s-maj=11.0km s-min=7.4km az=77.4.								
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=153.0.								
IDC	Error ellipse: s-maj=19.9km s-min=9.8km az=164.0.								
IDC	**IX**	**06 15 13 38.9–1.4**	**52.84N**	**152.73E**	**526–24**	**3.5,2.8**			
									¶601863051
IDC	Error ellipse: s-maj=34.3km s-min=20.3km az=125.0.								
ISC	**IX**	**27 13 05 21.5–.65**	**47.66N–.07**	**148.16E–.07**	**350**	**3.3b**	**33**	**2-80**	
ISCJB	IX	27 13 05 20.7–.51	47.67N–.07	148.2E–.10	350	3.1b			¶601864279
MOS	IX	27 13 05 21.7–.86	47.60N	148.10E	379	3.8b			
IDC	IX	27 13 05 22.8–1.7	47.66N	148.01E	384–23	3.6,3.0			
SKHL	IX	27 13 05 22.0–1.6	47.57N	148.06E	368–25	5.0s,4.5b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.5km s-min=6.8km az=44.7.								
MOS	Error ellipse: s-maj=28.4km s-min=10.3km az=60.3.								
IDC	Error ellipse: s-maj=43.8km s-min=17.1km az=144.0.								
ISC	**XI**	**13 15 56 13.2–.49**	**49.34N–.07**	**150.96E–.07**	**400**	**3.6b**	**106**	**4-77**	
KRSC	XI	13 15 56 10.9–2.9	49.06N	151.54E	417–73	4.7L			¶601901478
ISCJB	XI	13 15 56 11.8–.23	49.34N–.05	150.82E–.08	400	3.5b			
MOS	XI	13 15 56 11.2–1.2	49.01N	151.39E	448	3.9b			
SKHL	XI	13 15 56 13.2–1.1	49.22N	150.99E	371–12	4.6s,4.3b			
IDC	XI	13 15 56 14.2–1.6	49.60N	150.69E	394–18	4.0,3.4			
ISC	Event type se.								
KRSC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=2.7km az=44.7.								
MOS	Error ellipse: s-maj=21.6km s-min=7.3km az=59.9.								
IDC	Error ellipse: s-maj=14.4km s-min=9.3km az=137.0.								
ISC	**XI**	**16 23 55 49.1–.37**	**52.05N–.05**	**153.19E–.05**	**400**	**4.2b**	**308**	**2-148**	
ISCJB	XI	16 23 55 48.7–.20	52.14N–.04	152.87E–.03	400	4.1b			¶601909896
MOS	XI	16 23 55 49.3–.97	51.83N	153.54E	448	4.0b			
KRSC	XI	16 23 55 49.7–1.3	51.63N	154.29E	455–14	5.0L			
NEIC	XI	16 23 55 50.2–.35	52.12N	153.03E	410–4	4.3b			
IDC	XI	16 23 55 50.6–.71	52.15N	153.06E	418–8	4.3,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.6km s-min=2.5km az=164.4.								
MOS	Error ellipse: s-maj=9.4km s-min=5.3km az=67.1.								
KRSC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=160.0.								
IDC	Error ellipse: s-maj=10.8km s-min=8.0km az=151.0.								
ISC	**XII**	**11 08 19 38.8–.55**	**47.23N–.07**	**147.07E–.09**	**400**	**3.5b**	**55**	**4-152**	
ISCJB	XII	11 08 19 38.1–.38	47.40N–.05	147.0E–.10	400	3.4b			¶602391077
JMA	XII	11 08 19 40.4–.50	46.84N	147.43E	429	3.7			
IDC	XII	11 08 19 40.6–1.4	47.53N	146.88E	412–16	3.9,3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.9km s-min=4.4km az=26.5.								
JMA	Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.								
IDC	Error ellipse: s-maj=15.3km s-min=11.0km az=149.0.								

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ISC	**VII**	**01 09 04 27.3–1.6**	**48.6N–.10**	**155.8E–.10**	**35**	**3.6b**	**73**	**2-75**	
IDC	VII	01 09 04 11.1–4.8	48.57N	152.52E	0	3.9,3.6b			¶601224679
KRSC	VII	01 09 04 24.4–1.4	48.56N	156.26E	31–12	4.4L,3.6b			
MOS	VII	01 09 04 25.4–.96	48.50N	156.36E	22	4.3b,3.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=181.6km s-min=49.7km az=109.0.								
KRSC	Event type se.								
MOS	Error ellipse: s-maj=36.1km s-min=4.4km az=79.0.								
ISC	**VII**	**01 13 09 32.5–2.2**	**43.53N–.07**	**147.59E–.07**	**9–11**		**42**	**1-5**	
MOS	VII	01 13 09 34.6–.61	43.47N	147.71E	54	4.2b			¶602878847
JMA	VII	01 13 09 37.2–.30	43.49N	147.47E	41	3.6			
SKHL	VII	01 13 09 38.5–.50	43.62N	147.54E	64–2	4.6b			
ISC	Event type ke.								
MOS	Error ellipse: s-maj=35.0km s-min=16.5km az=43.7.								
JMA	Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.								
ISC	**VII**	**03 12 47 28.0–2.1**	**43.12N–.08**	**146.22E–.05**	**17–11**		**25**	**0-5**	
JMA	VII	03 12 47 29.8–.10	43.07N	146.18E	41–1	3.4			¶603312201
SKHL	VII	03 12 47 31.1–.90	43.25N	146.17E	70–5	4.4b			
ISC	Event type ke.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.								
ISC	**VII**	**03 16 41 30.2–1.9**	**43.42N–.09**	**147.01E–.08**	**53–18**		**30**	**0-3**	
JMA	VII	03 16 41 28.9–.20	43.32N	147.05E	49–4	3.0			¶603312202
ISCJB	VII	03 16 41 29.3–.99	43.42N–.07	147.00E–.07	59–13	3.0			
SKHL	VII	03 16 41 30.5–.80	43.41N	146.96E	59–4	4.0b			
ISC	Event type ke.								
JMA	Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.								
ISCJB	Event type ke. Error ellipse: s-maj=12.5km s-min=6.7km az=146.8.								
ISC	**VII**	**04 02 37 47.4–.48**	**43.80N–.04**	**146.37E–.03**	**80–4**	**4.4b**	**292**	**0-148**	
NIED	VII	04 02 37 00	43.70N	146.40E	80	4.2W			¶601242401
BJI	VII	04 02 37 42.3	43.79N	146.79E	75	4.9b,4.7b			
MOS	VII	04 02 37 46.5–1.0	43.72N	146.39E	90	4.5b,4.7b			
ISCJB	VII	04 02 37 47.2–.27	43.79N–.03	146.35E–.03	92–1	4.4b,4.7b			
NEIC	VII	04 02 37 47.2–.20	43.83N	146.32E	77	4.5b,4.7b			
SKHL	VII	04 02 37 48.2–.40	43.74N	146.37E	87–2	6.8s,5.9b			
JMA	VII	04 02 37 48.2–.10	43.71N	146.43E	79–2	4.0,5.9b			
IDC	VII	04 02 37 49.6–2.1	43.89N	146.25E	97–17	4.2,4.1			
ISC	Event type se.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ24.00000°,λ-132.00000°. NP2:ϕ_s29.00000°,δ73.00000°,λ-74.00000°. $M_0$2.30000×10^{15}								
MOS	Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=100.4. Felt (III) at Yuzhno-Kuril'sk; (II-III) at Malokuril'skoye. Moment Tensor Solution.								
ISCJB	Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=145.8.								
NEIC	Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=153.0. Recorded [2 JMA] in eastern Hokkaido.								
SKHL	Event type fe. Felt (III) at Yushno-Kurilsk; felt (II-III) at Malokurilskoe.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.								
IDC	Error ellipse: s-maj=14.6km s-min=10.7km az=157.0.								
ISC	**VII**	**04 03 08 38.6–.70**	**45.16N–.08**	**150.36E–.08**	**100**	**3.9b**	**74**	**2-80**	
ISCJB	VII	04 03 08 38.2–.52	45.33N–.07	150.31E–.08	100	3.9b			¶601505929
MOS	VII	04 03 08 39.6–.91	45.43N	150.22E	111	4.1b			
SKHL	VII	04 03 08 41.3–.90	45.00N	150.44E	57–10	4.9b			
JMA	VII	04 03 08 42.3–.50	44.61N	150.27E	122	3.8			
IDC	VII	04 03 08 43.8–3.0	45.52N	149.97E	131–26	4.0,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.2km s-min=4.0km az=144.7.								
MOS	Error ellipse: s-maj=12.2km s-min=9.5km az=45.4.								
JMA	Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.								
IDC	Error ellipse: s-maj=17.8km s-min=14.7km az=132.0.								
KRSC	**VII**	**04 15 08 12.3–1.3**	**48.52N**	**154.90E**	**164–21**	**3.7L**			
									¶604183841
KRSC	Event type se.								
ISC	**VII**	**04 16 16 15.6–.74**	**47.67N–.08**	**154.68E–.08**	**35**	**4.0b,2.9s**	**94**	**3-76**	
ISCJB	VII	04 16 16 14.5–.49	47.76N–.06	154.50E–.09	33	4.1b,2.9s			¶601243264
MOS	VII	04 16 16 15.1–2.4	47.77N	156.13E	7	4.5b,2.9s			
KRSC	VII	04 16 16 15.2–1.9	47.77N	156.13E	9–58	4.4L,2.9s			
NEIC	VII	04 16 16 17.8–1.2	47.78N	154.46E	44–10	4.6b,2.9s			
IDC	VII	04 16 16 17.6–2.7	47.72N	154.44E	51–24	3.8,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.9km s-min=4.2km az=41.9.								
MOS	Error ellipse: s-maj=73.4km s-min=5.2km az=80.8.								
KRSC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.5km s-min=7.4km az=150.0.								
IDC	Error ellipse: s-maj=22.7km s-min=14.6km az=148.0.								
ISC	**VII**	**04 18 50 52.2–.82**	**48.2N–.10**	**153.9E–.10**	**150**	**3.4b**	**92**	**3-77**	
MOS	VII	04 18 50 50.3–.80	48.06N	154.02E	182	4.0b			¶601243265
ISCJB	VII	04 18 50 51.3–.50	48.30N–.07	153.6E–.10	150	3.4b			
KRSC	VII	04 18 50 52.8–2.5	48.18N	154.56E	177–38	4.5L			
IDC	VII	04 18 50 54.5–2.1	48.44N	153.32E	165–19	3.7,3.4			
ISC	Event type se.								
MOS	Error ellipse: s-maj=14.7km s-min=4.1km az=69.7.								
ISCJB	Event type se. Error ellipse: s-maj=14.1km s-min=3.2km az=136.1.								
KRSC	Event type se.								
IDC	Error ellipse: s-maj=20.3km s-min=13.2km az=145.0.								
ISC	**VII**	**05 03 09 15.3–.61**	**49.21N–.05**	**155.47E–.05**	**62–5**	**4.5b**	**543**	**2-90**	
KRSC	VII	05 03 09 10.8–2.0	49.02N	155.77E	60–23	5.0L			¶601242108
SKHL	VII	05 03 09 14.8–.10	49.13N	155.68E	64–2	4.9b			
BJI	VII	05 03 09 15.6	49.50N	155.20E	69	4.6b,4.4b			
MOS	VII	05 03 09 15.0–1.0	49.32N	155.37E	67	4.5b,4.4b			
ISCJB	VII	05 03 09 16.2–.45	49.40N–.04	155.29E–.04	78–3	4.3b,4.4b			
NEIC	VII	05 03 09 18.5–.58	49.43N	155.17E	81–5	4.5b,4.4b			
IDC	VII	05 03 09 19.1–2.1	49.43N	155.22E	89–18	4.2,4.0			
ISC	Event type se.								
KRSC	Event type se.								
MOS	Error ellipse: s-maj=10.4km s-min=3.2km az=71.9.								
ISCJB	Event type se. Error ellipse: s-maj=7.1km s-min=2.9km az=145.8.								
NEIC	Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=151.0.								
IDC	Error ellipse: s-maj=14.8km s-min=9.7km az=142.0.								
ISC	**VII**	**05 13 33 43.5–1.3**	**43.33N–.07**	**146.54E–.05**	**49–12**		**49**	**1-49**	
NIED	VII	05 13 33 00	43.20N	146.50E	35	3.3W			¶602878849
ISCJB	VII	05 13 33 42.9–.83	43.32N–.06	146.56E–.06	59–7	4.1b			
SKHL	VII	05 13 33 43.6–.70	43.36N	146.55E	70–8	4.8b			
JMA	VII	05 13 33 43.1–.10	43.23N	146.55E	49–2	3.5			
MOS	VII	05 13 33 43.9–.93	43.49N	146.37E	62	4.3b			
ISC	Event type ke.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ26.00000°,λ-166.00000°. NP2:ϕ_s221.00000°,δ84.00000°,λ-65.00000°. $M_0$1.03000×10^{14}								

ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.5km az=144.8.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=21.1km s-min=15.6km az=105.6.
JMA VII 05 20 58 55.4–.70 46.87N 152.85E 30 4.1
NIED VII 05 20 58 00 46.90N 152.90E 35 3.8W **¶603635040**
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ32.00000°,λ-71.00000°. NP2:ϕ_r72.00000°,δ60.00000°,λ-101.00000°. $M_0$5.17000×10^{14}
ISC VII 06 22 42 36.7–1.5 45.03N–.10 151.71E–.10 32 3.3s,3.3b 47 3-79
NIED VII 06 22 42 00 45.50N 151.70E 14 4.0W,3.3b **¶601663562**
ISCJB VII 06 22 42 36.7–.93 45.1N–.10 151.59E–.09 32 3.4s,3.3b
JMA VII 06 22 42 36.0–.50 45.55N 151.66E 30 4.7,3.3b
SKHL VII 06 22 42 40.0–.30 45.07N 151.46E 53–11 4.8b,3.3b
IDC VII 06 22 42 42.1–2.0 46.76N 150.62E 0 3.9L,3.6
MOS VII 06 22 42 43.6–2.8 45.43N 150.96E 71 4.2b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ30.00000°,λ87.00000°. NP2:ϕ_s44.00000°,δ60.00000°,λ92.00000°. $M_0$1.29000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=6.4km az=156.3.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=66.1km s-min=21.9km az=164.0.
MOS Error ellipse: s-maj=30.4km s-min=14.9km az=163.8.
ISC VII 07 00 56 28.0–.31 45.42N–.04 151.35E–.03 32–1 5.1b,4.7s 1325 2-151
NIED VII 07 00 56 00 45.40N 151.50E 20 5.1W,4.7s **¶601243865**
ISCJB VII 07 00 56 24.8–.64 45.37N–.02 151.42E–.02 23–4 5.0b,4.7s
SKHL VII 07 00 56 25.8–1.4 45.18N 151.67E 42–9 5.6b,5.0s
JMA VII 07 00 56 26.0–.50 45.44N 151.55E 30 5.2,5.0s
MOS VII 07 00 56 27.5–.95 45.44N 151.30E 40 5.3b,4.8s
BJI VII 07 00 56 28.3 45.41N 151.10E 40 5.3b,5.1b
GCMT VII 07 00 56 29.7–.30 45.46N 151.58E 27–0 5.1W,5.1b
NEIC VII 07 00 56 29.7–.56 45.47N 151.23E 44–5 5.1b,5.1b
IDC VII 07 00 56 29.3–1.9 45.45N 151.38E 43–17 4.8,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ25.00000°,λ93.00000°. NP2:ϕ_s43.00000°,δ65.00000°,λ89.00000°. $M_0$4.67000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=1.8km az=160.9.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=5.4km s-min=4.1km az=98.8.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s61,c97; s93,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.80±.15 $M_{\theta\theta}$-1.84±.10; $M_{\phi\phi}$-2.95±.10; $M_{r\theta}$0.97±.18; $M_{\theta\phi}$-2.42±.06; $M_{\phi r}$2.81±.17; Best double couple: NP1:ϕ_s29.00000°,δ61.00000°,λ80.00000°. NP2:ϕ_s228.00000°,δ31.00000°,λ107.00000°. Principal axes: T 5.7160,Plg72.0000°,Azm275.0000°; N -0.0630,Plg9.0000°,Azm33.0000° ; P -5.6430,Plg15.0000°,Azm126.0000° $M_0$5.68000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=161.0.
IDC Error ellipse: s-maj=11.6km s-min=8.3km az=139.0.
SKHL VII 07 01 06 07.6–.70 45.20N 151.60E 44–2 4.8b
¶605673250
ISC VII 07 01 20 27.8–.58 45.23N–.06 151.35E–.05 50–4 4.7b,4.3s 470 2-151
NIED VII 07 01 20 00 45.50N 151.60E 20 4.8W,4.3s **¶601243867**
JMA VII 07 01 20 23.5–.60 45.48N 151.62E 30 5.1,4.3s
ISCJB VII 07 01 20 24.7–.53 45.31N–.04 151.44E–.05 33–3 4.6b,4.3s
SKHL VII 07 01 20 25.9–1.0 45.20N 151.56E 51–8 5.2b,4.6s
MOS VII 07 01 20 25.8–.85 45.36N 151.42E 41 4.9b,4.1s
NEIC VII 07 01 20 29.5–.80 45.44N 151.31E 62–7 4.4b,4.1s
IDC VII 07 01 20 29.2–2.0 45.42N 151.39E 54–17 4.3,4.2
GCMT VII 07 01 20 29.5–.60 45.41N 151.52E 32–0 4.9W,4.2
BJI VII 07 01 20 38.0 47.70N 149.60E 45 5.1b,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ27.00000°,λ93.00000°. NP2:ϕ_s43.00000°,δ63.00000°,λ88.00000°. $M_0$1.92000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.2km az=141.8.
MOS Error ellipse: s-maj=6.1km s-min=4.7km az=103.2.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=4.3km az=139.0.
IDC Error ellipse: s-maj=14.3km s-min=9.5km az=149.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s28,c35; s65,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.21 $M_{\theta\theta}$0.93±.13; $M_{\phi\phi}$-1.57±.13; $M_{r\theta}$0.39±.14; $M_{\theta\phi}$-1.39±.07; $M_{\phi r}$0.94±.11; Best double couple: NP1:ϕ_s32.00000°,δ56.00000°,λ83.00000°. NP2:ϕ_s225.00000°,δ35.00000°,λ100.00000°. Principal axes: T 2.7070,Plg78.0000°,Azm277.0000°; N 0.1450,Plg6.0000°,Azm36.0000° ; P -2.8550,Plg10.0000°,Azm128.0000° $M_0$2.78100×10^{16}
ISC VII 07 07 25 27.6–.98 45.11N–.10 151.64E–.09 32 3.8b,3.4s 76 3-79
NIED VII 07 07 25 00 45.60N 151.50E 14 4.0W,3.4s **¶601505952**
ISCJB VII 07 07 25 26.9–.68 45.24N–.08 151.56E–.09 32 3.8b,3.3s
JMA VII 07 07 25 27.6–.50 45.63N 151.48E 30 4.5,3.3s
SKHL VII 07 07 25 28.4–.70 45.29N 151.59E 40–8 4.8b,3.3s
MOS VII 07 07 25 28.6–1.2 45.32N 151.54E 44 4.2b,3.3s
IDC VII 07 07 25 40.1–2.9 46.61N 150.08E 45–26 3.9L,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ37.00000°,λ118.00000°. NP2:ϕ_s21.00000°,δ58.00000°,λ70.00000°. $M_0$1.00000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=4.2km az=144.3.
JMA Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=9.5km az=147.4.
IDC Error ellipse: s-maj=22.4km s-min=19.1km az=137.0.
ISC VII 07 12 23 53.4–.71 49.01N–.06 156.25E–.08 34 3.7b,3.2s 99 2-75
IDC VII 07 12 23 48.1–.72 48.88N 156.11E 0 3.8,3.6 **¶601246605**
ISCJB VII 07 12 23 52.6–.50 49.06N–.04 156.3E–.10 34 3.5b,3.1s
MOS VII 07 12 23 52.9–.77 49.02N 156.20E 55 4.0b,3.1s
KRSC VII 07 12 23 52.5–1.8 49.12N 156.59E 42–23 4.5L,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=14.6km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.2km az=26.4.
MOS Error ellipse: s-maj=20.0km s-min=4.1km az=75.3.
KRSC Event type se.
ISC VII 07 20 37 05.6–.52 45.18N–.07 151.52E–.05 36 4.4b,4.0s 207 3-81
BJI VII 07 20 37 00.2 45.31N 151.83E 26 4.6b,4.4b **¶601244024**
NIED VII 07 20 37 00 45.50N 151.50E 11 4.1W,4.4b
ISCJB VII 07 20 37 03.5–.37 45.19N–.05 151.51E–.05 36 4.3b,3.8s
SKHL VII 07 20 37 03.7–.50 45.06N 151.72E 53–7 5.1b,3.8s
JMA VII 07 20 37 03.4–.50 45.55N 151.49E 30 4.7,3.8s
MOS VII 07 20 37 05.0–.89 45.33N 151.41E 44 4.4b,3.8s
NEIC VII 07 20 37 05.2–.98 45.17N 151.54E 40–8 4.6b,3.8s
IDC VII 07 20 37 13.0–2.5 45.46N 150.92E 87–22 3.8,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ21.00000°,λ90.00000°. NP2:ϕ_s49.00000°,δ69.00000°,λ90.00000°. $M_0$1.41000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=2.7km az=148.7.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=7.1km az=126.9.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=151.0.
IDC Error ellipse: s-maj=17.4km s-min=14.4km az=130.0.
ISC VII 08 11 33 05.3–.26 45.42N–.03 151.39E–.03 38–1 5.7s,5.7b 2356 2-153
IDC VII 08 11 32 59.4–.30 45.49N 151.38E 0 5.8,5.8s **¶601244234**
ISCJB VII 08 11 32 59.9–.56 45.42N–.02 151.42E–.01 12–3 5.7s,5.6b
JMA VII 08 11 33 00.9–.60 45.42N 151.74E 30 6.2,5.6b
NIED VII 08 11 33 00 45.40N 151.70E 20 6.0W,5.6b
BJI VII 08 11 33 01.2 45.49N 151.28E 24 6.2s,6.1
SKHL VII 08 11 33 02.5–.80 45.20N 151.72E 43–7 6.0b,5.9s
NEIC VII 08 11 33 02.9–.08 45.50N 151.29E 20 6.0W,5.8W
GCMT VII 08 11 33 02.9–.10 45.46N 151.50E 23–0 6.0W,5.8W
NEIC VII 08 11 33 03.0–.00 45.54N 151.29E 30 6.0W,5.8W
MOS VII 08 11 33 04.0–1.1 45.48N 151.33E 43 5.9s,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=8.2km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.4km az=160.6.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ38.00000°,λ110.00000°. NP2:ϕ_s39.00000°,δ55.00000°,λ75.00000°. $M_0$1.10000×10^{18}

NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=157.0. Recorded [1 JMA] in eastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s98 Moment tensor: Scale 10^{17} Nm; M_{rr}4.63 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$-3.44 $M_{r\theta}$2.48 $M_{\theta\phi}$-1.72 $M_{\phi r}$3.96 Best double couple: NP1: ϕ_s206.00000°,δ22.00000°,λ86.00000°. NP2:ϕ_s31.00000°,δ68.00000°,λ92.00000°. Principal axes: T 6.6200,Plg67.0000°,Azm304.0000°; N -0.2700,Plg2.0000°,Azm210.0000° ; P -6.3500,Plg23.0000°,Azm120.0000° $M_0$6.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s249.00000°,δ18.00000°,λ123.00000°. NP2: ϕ_s35.00000°,δ75.00000°,λ80.00000°. Principal axes: T Plg59.0000°,Azm291.0000° ; N Plg0.0000°,Azm0.0000°; P Plg29.0000°,Azm133.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s128,c279; s139,c463;Duration: 2s3 Moment tensor: Scale 10^{18} Nm; M_{rr}0.91±.01 $M_{\theta\theta}$-0.36±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.22±.01; $M_{\theta\phi}$-0.50±.00; $M_{\phi r}$0.53±.01; Best double couple: NP1:ϕ_s31.00000°,δ61.00000°,λ80.00000°. NP2:ϕ_s230.00000° ,δ31.00000°,λ106.00000°. Principal axes: T 1.0830,Plg73.0000°,Azm278.0000° ; N 0.0320,Plg8.0000°,Azm35.0000°; P -1.1160,Plg15.0000°,Azm128.0000° $M_0$1.10000×10^{18}
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.25 $M_{\phi r}$1.01 Best double couple: NP1:ϕ_s31.00000° ,δ78.00000°,λ85.00000°. NP2:ϕ_s233.00000°,δ13.00000°,λ112.00000°. Principal axes: T 1.3000,Plg56.0000°,Azm294.0000°; N -0.0400,Plg4.0000°,Azm31.0000° ; P -1.2500,Plg32.0000°,Azm124.0000° $M_0$1.30000×10^{18}
MOS Error ellipse: s-maj=4.9km s-min=3.8km az=101.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ58.00000°,λ78.00000°. NP2: ϕ_s215.00000°,δ34.00000°,λ109.00000°. Principal axes: T Plg73.0000°,Azm250.0000° ; N Plg11.0000°,Azm18.0000°; P Plg13.0000°,Azm111.0000° $M_0$1.20000×10^{19}
ISC VII 08 11 47 15.7–.74 45.29N–.06 151.45E–.05 18–3 4.5b 302 3-152
IDC VII 08 11 47 12.9–.58 45.40N 151.38E 0 5.4L,4.8 **¶601244235**
NEIC VII 08 11 47 15.6–.43 45.41N 151.10E 10 4.9b,4.8
SKHL VII 08 11 47 16.7–.30 45.18N 151.60E 43–7 5.2b,4.8
JMA VII 08 11 47 16.8–.60 45.49N 151.47E 30 4.7,4.8
ISCJB VII 08 11 47 17.4–.58 45.41N–.04 151.28E–.05 35–4 5.8s,4.4b
MOS VII 08 11 47 18.4–.94 45.45N 151.22E 44 4.8b,4.4b
BJI VII 08 11 47 19.3 45.70N 150.80E 10 5.1s,5.0
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=14.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=139.0.
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=3.5km az=140.5.
MOS Error ellipse: s-maj=7.3km s-min=5.6km az=100.0.
ISC VII 08 13 08 35.9–.76 45.12N–.05 151.56E–.05 30–4 4.7s,4.5b 329 3-151
NEIC VII 08 13 08 34.0–.34 45.39N 151.38E 10 4.9b,4.5b **¶601244239**
JMA VII 08 13 08 34.4–.70 45.46N 151.68E 30 4.8,4.5b
ISCJB VII 08 13 08 34.5–.84 45.24N–.04 151.49E–.04 30–6 4.7s,4.4b
BJI VII 08 13 08 35.1 45.47N 151.65E 42 5.0b,4.8b
SKHL VII 08 13 08 35.6–.70 45.13N 151.68E 42–7 5.3b,4.8b
MOS VII 08 13 08 36.6–.91 45.37N 151.39E 40 4.7b,4.7s
IDC VII 08 13 08 39.7–2.2 45.47N 151.35E 52–19 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=137.0.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.9km az=145.8.
MOS Error ellipse: s-maj=6.9km s-min=5.8km az=100.1.
IDC Error ellipse: s-maj=16.0km s-min=10.8km az=141.0.
ISC VII 08 13 52 09.7–.58 45.20N–.06 151.42E–.05 32 3.8b 122 3-79
NIED VII 08 13 52 00 45.50N 151.60E 41 4.3W **¶601252225**
SKHL VII 08 13 52 08.3–.30 45.10N 151.75E 40–5 5.0b
JMA VII 08 13 52 08.1–.70 45.49N 151.61E 30 4.7
ISCJB VII 08 13 52 08.3–.42 45.26N–.04 151.50E–.05 32 3.9b
MOS VII 08 13 52 10.8–.93 45.39N 151.35E 47 4.0b
IDC VII 08 13 52 14.4–2.6 45.45N 151.30E 61–22 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ18.00000°,λ53.00000°. NP2:ϕ_s54.00000°,δ76.00000°,λ101.00000°. $M_0$3.00000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.1km az=144.7.
MOS Error ellipse: s-maj=8.8km s-min=7.4km az=57.3.
IDC Error ellipse: s-maj=20.9km s-min=13.4km az=145.0.
JMA VII 08 14 05 25.7–.60 45.63N 151.62E 30 3.6
¶603636477
JMA Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
ISC VII 08 16 58 27.6–.56 45.33N–.05 151.38E–.04 46–4 4.5b,3.6s 303 2-151
NIED VII 08 16 58 00 45.50N 151.60E 14 4.2W,3.6s **¶601664295**
NEIC VII 08 16 58 22.8–.25 45.39N 151.32E 10 4.8b,3.6s
ISCJB VII 08 16 58 23.1–.91 45.28N–.04 151.45E–.04 26–6 4.4b,3.6s
SKHL VII 08 16 58 23.3–.30 45.10N 151.76E 45–5 5.3b,3.6s
JMA VII 08 16 58 23.4–.60 45.45N 151.61E 30 4.7,3.6s
MOS VII 08 16 58 25.0–.93 45.34N 151.41E 39 4.7b,3.6s
BJI VII 08 16 58 25.9 45.49N 151.39E 47 4.8b,4.7b
IDC VII 08 16 58 28.4–.51 45.43N 151.30E 48–5 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ29.00000°,λ102.00000°. NP2:ϕ_s48.00000°,δ62.00000°,λ83.00000°. $M_0$2.46000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.4km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.2km az=147.1.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=5.8km az=82.0.
IDC Error ellipse: s-maj=11.7km s-min=9.3km az=133.0.
ISC VII 08 18 36 04.1–.67 45.24N–.07 151.57E–.07 32 4.1b,3.2s 112 3-79
NIED VII 08 18 36 00 45.40N 151.80E 14 4.0W,3.2s **¶601252229**
JMA VII 08 18 36 01.0–.70 45.41N 151.79E 30 4.5,3.2s
SKHL VII 08 18 36 01.0–.30 45.03N 151.92E 42–7 4.9b,3.2s
ISCJB VII 08 18 36 02.0–.46 45.27N–.05 151.58E–.05 32 3.9b,3.3s
MOS VII 08 18 36 02.5–.84 45.30N 151.63E 33 4.5b,3.3s
IDC VII 08 18 36 06.7–2.8 45.41N 151.55E 52–23 3.8,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ29.00000°,λ83.00000°. NP2:ϕ_s46.00000°,δ61.00000°,λ94.00000°. $M_0$1.19000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=7.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.5km az=143.1.
MOS Error ellipse: s-maj=8.9km s-min=7.4km az=52.6.
IDC Error ellipse: s-maj=21.6km s-min=14.7km az=121.0.
ISC VII 08 19 13 11.6–.68 45.14N–.08 151.54E–.07 32 4.0b,3.1s 102 3-79
NIED VII 08 19 13 00 45.60N 151.70E 20 4.0W,3.1s **¶601664304**
IDC VII 08 19 13 07.6–.75 45.40N 151.56E 0 4.0,3.9
JMA VII 08 19 13 09.4–.60 45.55N 151.67E 30 4.4,3.9
ISCJB VII 08 19 13 09.8–.50 45.19N–.06 151.56E–.07 32 3.9b,3.1s
SKHL VII 08 19 13 10.4–.80 45.04N 151.71E 43–7 5.1b,3.1s
MOS VII 08 19 13 11.3–.81 45.32N 151.48E 37 4.2b,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ24.00000°,λ112.00000°. NP2:ϕ_s39.00000°,δ68.00000°,λ81.00000°. $M_0$1.03000×10^{15}
IDC Error ellipse: s-maj=19.3km s-min=14.0km az=119.0.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.4km az=145.2.
MOS Error ellipse: s-maj=9.2km s-min=8.0km az=68.8.
ISC VII 08 21 11 18.0–1.0 46.72N–.07 152.92E–.06 55–8 4.2b,3.5s 191 4-152
NIED VII 08 21 11 00 46.90N 153.10E 35 4.1W,3.5s **¶601664309**
ISCJB VII 08 21 11 16.3–.58 46.79N–.05 152.81E–.06 54–5 4.2b,3.4s
MOS VII 08 21 11 17.9–.98 46.82N 152.77E 67 4.5b,3.4s
SKHL VII 08 21 11 19.2–.00 46.89N 152.67E 75–8 4.9b,3.4s
NEIC VII 08 21 11 20.2–2.1 46.95N 152.65E 72–9 4.3b,3.4s
IDC VII 08 21 11 20.8–2.1 46.91N 152.74E 76–18 4.0,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ61.00000°,λ-179.00000°. NP2:ϕ_s126.00000°,δ89.00000°,λ-29.00000°. $M_0$1.45000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.5km az=137.5.
MOS Error ellipse: s-maj=8.9km s-min=6.4km az=69.4.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.9km az=85.0.
IDC Error ellipse: s-maj=15.4km s-min=10.4km az=139.0.
ISC VII 08 22 39 04.6–3.2 44.7N–.10 148.4E–.20 126–16 30 1-7

SKHL VII 08 22 39 10.2–1.0 44.78N 148.15E 93–6 4.7b ¶603312267
JMA VII 08 22 39 11.0–.60 44.54N 148.03E 98 3.6
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
ISC VII 08 23 47 20.2–.75 45.33N–.09 151.30E–.07 32 4.0b,3.4s 64 2-151
NIED VII 08 23 47 00 45.50N 151.50E 14 4.0W,3.4s ¶601456860
IDC VII 08 23 47 14.9–.81 45.44N 151.62E 0 4.0,3.9
NEIC VII 08 23 47 16.5–.59 45.43N 151.68E 10 4.4b,3.9
JMA VII 08 23 47 17.7–.40 45.53N 151.55E 30 4.3,3.9
ISCJB VII 08 23 47 18.0–.63 45.24N–.08 151.46E–.08 32 3.9b,3.4s
SKHL VII 08 23 47 18.7–1.0 45.02N 151.64E 51–9 4.4b,3.4s
MOS VII 08 23 47 19.8–1.2 45.42N 151.30E 40 4.4b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ28.00000°,λ93.00000°. NP2:ϕ_s40.00000°,δ62.00000°,λ88.00000°. $M_0$1.12000×10^{15}
IDC Error ellipse: s-maj=25.3km s-min=20.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.7km az=128.0.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=4.4km az=146.8.
MOS Error ellipse: s-maj=13.5km s-min=12.8km az=141.5.
ISC VII 09 01 25 45.6–.51 45.21N–.07 151.40E–.06 32 4.4b,3.3s 210 2-151
NIED VII 09 01 25 00 45.60N 151.30E 8 4.5W,3.3s ¶601272545
ISCJB VII 09 01 25 44.0–.33 45.29N–.04 151.39E–.05 32 4.2b,3.5s
NEIC VII 09 01 25 43.1–.38 45.39N 151.27E 10 4.6b,3.5s
SKHL VII 09 01 25 44.4–.60 45.12N 151.62E 50–5 5.1b,4.0s
JMA VII 09 01 25 44.5–.40 45.62N 151.33E 30 4.5,4.0s
MOS VII 09 01 25 46.1–.95 45.29N 151.33E 51 4.8b,4.0s
IDC VII 09 01 25 48.9–2.3 45.43N 151.25E 58–20 3.9,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ25.00000°,λ116.00000°. NP2:ϕ_s46.00000°,δ67.00000°,λ78.00000°. $M_0$7.19000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=2.6km az=146.2.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=137.0.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=6.3km az=83.2.
IDC Error ellipse: s-maj=17.9km s-min=12.5km az=128.0.
ISC VII 09 01 34 27.5–.96 45.10N–.05 151.45E–.05 28–6 4.7b,3.9s 395 3-153
NIED VII 09 01 34 00 45.60N 151.50E 26 4.5W,3.9s ¶601246363
IDC VII 09 01 34 24.4–.49 45.44N 151.28E 0 4.4,4.3
SKHL VII 09 01 34 26.4–.40 45.07N 151.74E 54–6 5.6b,4.3
JMA VII 09 01 34 26.5–.50 45.55N 151.50E 30 5.0,4.3
ISCJB VII 09 01 34 27.5–.62 45.23N–.04 151.39E–.06 36–4 4.5b,3.9s
MOS VII 09 01 34 28.0–.98 45.34N 151.38E 38 4.8b,3.9s
NEIC VII 09 01 34 36.9–.34 46.50N 149.27E 10 4.7b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ42.00000°,λ100.00000°. NP2:ϕ_s36.00000°,δ49.00000°,λ81.00000°. $M_0$5.50000×10^{15}
IDC Error ellipse: s-maj=14.5km s-min=11.8km az=149.0.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.1km az=140.0.
MOS Error ellipse: s-maj=6.6km s-min=5.0km az=109.5.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.6km az=170.0.
JMA VII 09 03 26 53.1–.70 45.67N 151.54E 30 3.8
¶603636760
JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.
JMA VII 09 03 38 04.1–.50 46.46N 152.34E 30 3.9
¶603636766
JMA Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0.
ISC VII 09 07 02 48.0–.73 45.44N–.09 151.21E–.08 42 4.2b 97 2-151
NIED VII 09 07 02 00 45.60N 151.50E 20 3.9W ¶601465743
JMA VII 09 07 02 43.8–.80 45.60N 151.46E 30 4.5
SKHL VII 09 07 02 44.0–.30 44.93N 151.74E 43–8 4.3b
MOS VII 09 07 02 46.7–.78 45.75N 151.08E 40 4.4b
IDC VII 09 07 02 47.5–.85 46.67N 150.79E 0 4.0,3.9
NEIC VII 09 07 02 49.3–.43 46.58N 150.76E 10 4.6b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ24.00000°,λ56.00000°. NP2:ϕ_s50.00000°,δ71.00000°,λ104.00000°. $M_0$8.10000×10^{14}
JMA Error ellipse: s-maj=8.9km s-min=8.6km az=-1.0.
MOS Error ellipse: s-maj=14.5km s-min=10.1km az=154.7.
IDC Error ellipse: s-maj=22.9km s-min=21.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.5km az=147.0.
SKHL VII 09 15 36 47.1–1.0 45.18N 151.99E 54–5 4.3b
JMA VII 09 15 36 48.2–.40 45.62N 151.58E 30 3.9 ¶603312282
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISC VII 09 20 44 04.2–.91 45.22N–.06 151.17E–.06 43–7 4.3b 238 2-151
NEIC VII 09 20 44 00.3–.54 45.32N 151.20E 10 4.9b ¶601254211
SKHL VII 09 20 44 00.9–.90 45.14N 151.43E 44–9 5.4b
NIED VII 09 20 44 00 45.40N 151.20E 26 4.2W
ISCJB VII 09 20 44 01.5–.63 45.28N–.04 151.18E–.06 34–4 4.4s,4.3b
JMA VII 09 20 44 02.2–.70 45.42N 151.19E 30 4.7,4.3b
MOS VII 09 20 44 03.0–.75 45.37N 151.07E 42 4.7b,4.3b
BJI VII 09 20 44 03.0 45.40N 151.10E 40 4.9b,4.4b
IDC VII 09 20 44 06.7–2.5 45.45N 150.97E 57–21 4.2,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.0km az=136.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ42.00000°,λ155.00000°. NP2:ϕ_s354.00000°,δ73.00000°,λ50.00000°. $M_0$2.02000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.3km az=139.7.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=5.8km az=94.8.
IDC Error ellipse: s-maj=16.2km s-min=11.9km az=126.0.
ISC VII 10 11 40 14.4–.66 45.15N–.08 151.66E–.06 30 4.1b 108 3-77
NIED VII 10 11 40 00 45.40N 151.80E 20 4.0W ¶601505966
IDC VII 10 11 40 11.0–.96 45.39N 151.66E 0 3.9,3.8
ISCJB VII 10 11 40 11.8–.48 45.02N–.07 151.77E–.06 30 4.0b,3.7s
JMA VII 10 11 40 12.2–.40 45.43N 151.81E 30 4.3,3.7s
NEIC VII 10 11 40 13.1–2.9 45.32N 151.70E 16–18 4.6b,3.7s
SKHL VII 10 11 40 14.4–.50 45.05N 151.81E 49–9 4.6b,3.7s
MOS VII 10 11 40 15.6–1.0 45.26N 151.48E 49 4.2b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ33.00000°,λ49.00000°. NP2:ϕ_s49.00000°,δ66.00000°,λ113.00000°. $M_0$1.03000×10^{15}
IDC Error ellipse: s-maj=24.4km s-min=19.0km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.7km az=150.2.
JMA Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=137.0.
MOS Error ellipse: s-maj=13.3km s-min=9.7km az=152.8.
SKHL VII 10 14 50 04.4–1.2 45.14N 151.27E 38–2 4.6b
JMA VII 10 14 50 03.7–.60 45.64N 151.10E 30 3.9 ¶603312302
JMA Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
KRSC VII 10 20 22 04.0–1.9 49.42N 156.81E 7–29 3.7L
¶604183849
KRSC Event type se.
ISC VII 11 02 31 19.0–.30 45.36N–.03 151.46E–.03 26–1 5.6s,5.6b 2196 3-160
NIED VII 11 02 31 00 45.40N 152.00E 26 5.7W,5.6b ¶601268249
ISCJB VII 11 02 31 14.7–.54 45.28N–.02 151.62E–.01 13–3 5.6s,5.5b
JMA VII 11 02 31 14.0–.70 45.37N 152.02E 30 5.8,5.5b
BJI VII 11 02 31 14.7 45.44N 151.44E 11 6.0s,5.9
IDC VII 11 02 31 14.4–.34 45.35N 151.54E 0 5.6,5.6s
SKHL VII 11 02 31 15.8–.20 45.02N 151.88E 40–7 6.3b,6.1s
GCMT VII 11 02 31 16.7–.10 45.29N 151.83E 19–0 5.7W,6.1s
NEIC VII 11 02 31 16.7–.10 45.40N 151.42E 10 5.7W,5.7W
NEIC VII 11 02 31 17.0–.00 45.51N 151.47E 23 5.7W,5.7W
MOS VII 11 02 31 18.5–1.2 45.36N 151.49E 37 5.7b,5.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ52.00000°,λ37.00000°. NP2:ϕ_s234.00000°,δ62.00000°,λ136.00000°. $M_0$4.27000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=1.4km az=161.8.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=10.7km s-min=8.7km az=128.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s110,c219; s129,c340;Duration: 1τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.25±.05 $M_{\theta\theta}$-1.37±.03; $M_{\phi\phi}$-1.88±.03; $M_{r\theta}$1.16±.08; $M_{\theta\phi}$-1.81±.02; $M_{\phi r}$2.35±.09; Best double couple: NP1:ϕ_s32.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s231.00000°,δ27.00000°,λ107.00000°. Principal axes: T 4.2000,Plg70.0000°,Azm284.0000°; N 0.1130,Plg8.0000°,Azm36.0000° ; P -4.3130,Plg19.0000°,Azm128.0000° $M_0$4.25700×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=160.0. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.69 $M_{\theta\phi}$-1.92 $M_{\phi r}$2.18 Best double couple: NP1:ϕ_s265.00000°,δ28.00000°,λ131.00000°. NP2:ϕ_s40.00000°,δ70.00000°,λ71.00000°. Principal axes: T 3.5300,Plg61.0000°,Azm282.0000° ; N 0.7700,Plg18.0000°,Azm47.0000°; P -4.3000,Plg22.0000°,Azm145.0000° $M_0$4.00000×10^{17}
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-0.77 $M_{r\theta}$2.17 $M_{\theta\phi}$-0.66 $M_{\phi r}$3.15 Best double couple: NP1:ϕ_s35.00000°,δ80.00000°,λ87.00000°. NP2:ϕ_s231.00000°,δ11.00000°,λ105.00000°. Principal axes: T 4.1500,Plg55.0000°,Azm301.0000°; N -0.1300,Plg2.0000°,Azm35.0000° ; P -4.0200,Plg34.0000°,Azm127.0000° $M_0$4.10000×10^{17}
MOS Error ellipse: s-maj=5.2km s-min=3.9km az=104.1.
ISC VII 11 02 50 01.3–.50 45.27N–.05 151.62E–.04 42–3 5.1b 1049 3-153
IDC VII 11 02 49 55.4–.46 45.36N 151.52E 0 5.6L,4.9 ¶601261273
ISCJB VII 11 02 49 57.0–.78 45.32N–.03 151.61E–.02 21–5 5.0b,4.9
JMA VII 11 02 49 56.9–.80 45.39N 151.84E 30 5.1,4.9
NEIC VII 11 02 49 57.5–.17 45.38N 151.44E 10 5.1b,4.9
GCMT VII 11 02 49 57.5–.60 45.34N 151.82E 30–1 5.0W,4.9
SKHL VII 11 02 49 58.9–.70 45.17N 151.78E 44–7 5.8b,5.3s
MOS VII 11 02 49 59.9–1.0 45.39N 151.51E 38 5.3b,5.3s
BJI VII 11 02 50 00.5 45.43N 151.50E 46 5.6b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.3km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.2km az=165.1.
JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=166.0.
GCMT Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s16,c17; s58,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.38 $M_{\theta\theta}$-1.35±.22; $M_{\phi\phi}$-2.45±.23; $M_{r\theta}$0.85±.27; $M_{\theta\phi}$-1.69±.10; $M_{\phi r}$0.59±.25; Best double couple: NP1:ϕ_s41.00000°,δ52.00000°,λ96.00000°. NP2:ϕ_s211.00000°,δ38.00000°,λ82.00000°. Principal axes: T 3.9520,Plg81.0000°,Azm339.0000°; N -0.1500,Plg5.0000°,Azm217.0000° ; P -3.8020,Plg7.0000°,Azm127.0000° $M_0$3.87700×10^{16}
MOS Error ellipse: s-maj=5.7km s-min=4.0km az=106.4.
ISC VII 11 19 02 36.7–1.9 43.05N–.09 146.72E–.08 59–23 33 1-3
ISCJB VII 11 19 02 35.9–.96 43.05N–.07 146.70E–.07 67–14 ¶603312316
SKHL VII 11 19 02 35.9–.80 42.98N 146.73E 66–3 4.3b
JMA VII 11 19 02 36.3–.10 42.98N 146.68E 59–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.0km az=147.9.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VII 12 12 51 58.9–.44 45.37N–.03 151.76E–.03 14–2 5.7s,5.5b 2096 3-154
NIED VII 12 12 51 00 45.40N 152.10E 23 5.7W,5.5b ¶601268264
IDC VII 12 12 51 56.8–.29 45.45N 151.73E 0 5.7,5.7s
JMA VII 12 12 51 57.3–.50 45.45N 152.09E 30 5.6,5.7s
ISCJB VII 12 12 51 57.3–.56 45.38N–.02 151.81E–.01 14–3 5.7s,5.4b
NEIC VII 12 12 51 58.9–.49 45.45N 151.67E 12–3 5.8W,5.7W
GCMT VII 12 12 51 58.9–.10 45.32N 152.18E 14–0 5.7W,5.7W
SKHL VII 12 12 51 59.1–.40 45.15N 152.06E 46–9 6.3b,6.0s
BJI VII 12 12 51 59.9 45.27N 151.61E 29 6.0s,5.9
MOS VII 12 12 52 00.5–1.0 45.40N 151.74E 37 5.8s,5.7b
NEIC VII 12 12 52 02.0–.00 45.36N 152.12E 11 5.8s,5.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ52.00000°,λ19.00000°. NP2:ϕ_s237.00000°,δ76.00000°,λ140.00000°. $M_0$4.34000×10^{17}
IDC Error ellipse: s-maj=9.5km s-min=7.6km az=125.0.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.5km az=163.5.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.8km az=160.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$-0.76 $M_{r\theta}$2.46 $M_{\theta\phi}$-0.80 $M_{\phi r}$2.90 Best double couple: NP1:ϕ_s242.00000°,δ14.00000°,λ109.00000°. NP2:ϕ_s42.00000°,δ77.00000°,λ85.00000°. Principal axes: T 4.4000,Plg58.0000°,Azm306.0000° ; N -0.2600,Plg5.0000°,Azm43.0000°; P -4.1500,Plg31.0000°,Azm136.0000° $M_0$4.30000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c227; s134,c375;Duration: 1τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.62±.04 $M_{\theta\theta}$-1.44±.03; $M_{\phi\phi}$-2.18±.03; $M_{r\theta}$0.91±.07; $M_{\theta\phi}$-2.00±.03; $M_{\phi r}$1.80±.08; Best double couple: NP1:ϕ_s33.00000°,δ59.00000°,λ83.00000°. NP2:ϕ_s227.00000°,δ31.00000°,λ101.00000°. Principal axes: T 4.1550,Plg75.0000°,Azm285.0000°; N 0.1770,Plg6.0000°,Azm37.0000° ; P -4.3320,Plg14.0000°,Azm128.0000° $M_0$4.24400×10^{17}
MOS Error ellipse: s-maj=5.0km s-min=4.0km az=101.9.
NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}2.93 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-1.83 $M_{r\theta}$2.02 $M_{\theta\phi}$-1.91 $M_{\phi r}$4.42 Best double couple: NP1:ϕ_s27.00000°,δ74.00000°,λ81.00000°. NP2:ϕ_s235.00000°,δ18.00000°,λ117.00000°. Principal axes: T 5.6700,Plg60.0000°,Azm284.0000°; N 0.2900,Plg8.0000°,Azm29.0000° ; P -5.9700,Plg28.0000°,Azm123.0000° $M_0$5.80000×10^{17}
ISC VII 12 13 01 10.1–.63 45.30N–.08 151.96E–.07 30 4.1b 106 3-151
IDC VII 12 13 01 05.9–.63 45.33N 151.98E 0 4.2,4.1 ¶601276516
NEIC VII 12 13 01 07.3–.46 45.33N 152.05E 10 4.0b,4.1
JMA VII 12 13 01 08.5–.60 45.62N 151.90E 30 4.5,4.1
ISCJB VII 12 13 01 08.3–.45 45.24N–.07 151.94E–.06 30 4.1b,4.1
MOS VII 12 13 01 09.5–1.2 45.33N 152.15E 42 4.2b,4.1
SKHL VII 12 13 01 13.5–.20 45.66N 151.70E 48–6 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=13.7km az=139.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=137.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.8km az=151.5.
MOS Error ellipse: s-maj=10.7km s-min=8.0km az=55.0.
ISC VII 12 17 55 19.8–1.2 45.4N–.10 151.6E–.10 35 4.1b 49 3-79
NIED VII 12 17 55 00 45.40N 151.80E 23 4.1W ¶601505984
SKHL VII 12 17 55 16.9–.60 45.26N 151.76E 36–4 4.6b
ISCJB VII 12 17 55 17.7–.81 45.36N–.09 151.6E–.10 35 3.9b,3.7s
MOS VII 12 17 55 19.3–1.2 45.42N 151.42E 46 4.3b,3.7s
IDC VII 12 17 55 24.1–1.2 46.63N 150.37E 0 3.9,3.8
NEIC VII 12 17 55 26.6–3.9 46.62N 150.32E 15–24 4.4b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ19.00000°,λ68.00000°. NP2:ϕ_s249.00000°,δ72.00000°,λ98.00000°. $M_0$1.82000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=5.4km az=141.4.
MOS Error ellipse: s-maj=10.5km s-min=8.7km az=139.4.
IDC Error ellipse: s-maj=33.6km s-min=22.0km az=100.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.5km az=128.0.
KRSC VII 12 20 11 43.9–1.6 49.96N 156.99E 72–25 3.7L
¶604183853
KRSC Event type se.
ISC VII 13 22 37 24.3–.62 45.22N–.05 151.98E–.04 13–3 4.9b,4.7s 924 3-153
NIED VII 13 22 37 00 45.50N 152.10E 23 4.9W,4.7s ¶601456896
IDC VII 13 22 37 22.1–.39 45.22N 151.88E 0 4.6,4.5
BJI VII 13 22 37 22.0 45.29N 151.81E 6 5.1b,5.0b
SKHL VII 13 22 37 22.4–.70 44.95N 152.35E 37–7 5.0b,4.7s
ISCJB VII 13 22 37 22.3–.13 45.17N–.03 151.96E–.02 12 4.9b,4.7s
JMA VII 13 22 37 23.1–.60 45.48N 152.12E 30 5.0,4.7s
NEIC VII 13 22 37 26.0–1.1 45.26N 151.83E 22–8 5.0b,4.7s
MOS VII 13 22 37 26.6–.95 45.25N 151.83E 38 5.1b,4.7s
GCMT VII 13 22 37 26.0–.20 45.29N 152.08E 16–0 5.0W,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s335.00000°,δ60.00000°,λ16.00000°. NP2:ϕ_s237.00000°,δ76.00000°,λ149.00000°. $M_0$2.65000×10^{16}
IDC Error ellipse: s-maj=11.8km s-min=9.2km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=1.7km az=161.6.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.5km az=161.0.

MOS Error ellipse: s-maj=5.8km s-min=4.3km az=118.8.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s49,c64; s91,c151; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.37±.13 $M_{\theta\theta}$-1.41±.09; $M_{\phi\phi}$-1.96±.09; $M_{r\theta}$-0.25±.25; $M_{\theta\phi}$-1.71±.06; $M_{\phi r}$0.63±.26; Best double couple: NP1:ϕ_s31.00000°,δ49.00000°,λ77.00000°. NP2:ϕ_s230.00000°,δ43.00000°,λ105.00000°. Principal axes: T 3.4900,Plg80.0000°,Azm235.0000°; N -0.0580,Plg10.0000°,Azm39.0000°; P -3.4320,Plg3.0000°,Azm130.0000° $M_0$3.46100×10^{16}

ISC	**VII**	**14 00 13 15.8–.77**	**50.58N–.06**	**157.19E–.05**	**78–5**	**4.3b**	**215**	**1-154**
KRSC	VII	14 00 13 14.9–2.1	50.56N	157.56E	66–24	4.6L		**¶601273210**
BJI	VII	14 00 13 16.7	50.90N	156.80E	95	4.8b,4.7b		
MOS	VII	14 00 13 16.9–1.0	50.73N	156.90E	93	4.1b,4.7b		
SKHL	VII	14 00 13 17.1–.20	50.68N	156.94E	93–2	6.4s,5.7b		
NEIC	VII	14 00 13 19.7–1.9	50.86N	156.77E	95–13	4.5b,5.7b		
IDC	VII	14 00 13 21.0–1.4	50.87N	156.72E	112–11	4.0,3.8		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=3.8km az=75.9.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=6.5km az=180.0.
IDC Error ellipse: s-maj=13.8km s-min=9.6km az=146.0.

ISC	**VII**	**14 03 44 02.4–.33**	**45.43N–.03**	**151.50E–.03**	**44–2**	**5.2b,5.1s**	**1715**	**3-153**
NIED	VII	14 03 43 00	45.50N	151.90E	20	5.3W,5.1s		**¶601273530**
JMA	VII	14 03 43 57.0–.90	45.47N	151.90E	30	5.3,5.1s		
GCMT	VII	14 03 43 58.0–.10	45.49N	151.67E	22–0	5.3W,5.1s		
NEIC	VII	14 03 43 58.0–.11	45.54N	151.33E	10	5.2W,5.2b		
ISCJB	VII	14 03 43 59.9–.34	45.45N–.02	151.48E–.02	36–3	5.2b,5.0s		
SKHL	VII	14 03 44 00.6–.50	45.20N	151.71E	55–5	5.9b,5.4s		
MOS	VII	14 03 44 01.4–1.1	45.49N	151.38E	47	5.5b,5.1s		
IDC	VII	14 03 44 02.8–.39	45.51N	151.45E	46–4	5.0,4.8		
BJI	VII	14 03 44 02.1	45.48N	151.15E	44	5.4b,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s233.00000°,δ32.00000°,λ108.00000°. NP2:ϕ_s32.00000°,δ59.00000°,λ79.00000°. $M_0$9.34000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s93,c159; s113,c221; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.54±.01; $M_{r\theta}$0.28±.03; $M_{\theta\phi}$-0.52±.01; $M_{\phi r}$0.55±.03; Best double couple: NP1:ϕ_s36.00000°,δ60.00000°,λ82.00000°. NP2:ϕ_s232.00000°,δ31.00000°,λ104.00000°. Principal axes: T 1.2300,Plg73.0000°,Azm285.0000°; N -0.0260,Plg7.0000°,Azm40.0000°; P -1.2050,Plg15.0000°,Azm132.0000° $M_0$1.21800×10^{17}
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=160.0. Moment Tensor Solution. s82 Moment tensor: Scale 10^{16}Nm; M_{rr}5.46 $M_{\theta\theta}$-1.66 $M_{\phi\phi}$-3.80 $M_{r\theta}$3.15 $M_{\theta\phi}$-1.20 $M_{\phi r}$4.42 Best double couple: NP1:ϕ_s201.00000°,δ21.00000°,λ79.00000°. NP2:ϕ_s32.00000°,δ69.00000°,λ94.00000°. Principal axes: T 7.9000,Plg66.0000°,Azm309.0000°; N -1.2000,Plg4.0000°,Azm211.0000°; P -6.7100,Plg24.0000°,Azm119.0000° $M_0$7.40000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=1.8km az=162.8.
MOS Error ellipse: s-maj=5.0km s-min=3.6km az=105.5.
IDC Error ellipse: s-maj=9.9km s-min=7.5km az=129.0.

ISC	**VII**	**14 04 11 31.4–.76**	**45.30N–.05**	**151.84E–.05**	**27–4**	**4.7b**	**380**	**3-151**
NIED	VII	14 04 11 00	45.50N	151.90E	26	4.4W		**¶601273217**
IDC	VII	14 04 11 26.9–.57	45.30N	151.79E	0	4.5,4.4		
BJI	VII	14 04 11 28.1	45.48N	151.92E	19	5.0b,4.9b		
SKHL	VII	14 04 11 28.2–.20	45.05N	152.16E	35–1	5.2b,4.9b		
JMA	VII	14 04 11 29.0–.60	45.51N	151.93E	30	4.9,4.9b		
ISCJB	VII	14 04 11 30.7–.27	45.28N–.04	151.79E–.04	33	4.6b,4.9b		
MOS	VII	14 04 11 30.9–1.1	45.37N	151.80E	32	4.8b,4.9b		
NEIC	VII	14 04 11 31.6–1.8	45.39N	151.79E	25–12	4.7b,4.9b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s239.00000°,δ82.00000°,λ-176.00000°. NP2:ϕ_s148.00000°,δ86.00000°,λ-8.00000°. $M_0$4.22000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=12.6km az=163.0.
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.6km az=152.1.
MOS Error ellipse: s-maj=6.5km s-min=5.1km az=113.8.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.3km az=157.0.

ISC	**VII**	**14 04 31 01.5–.39**	**45.40N–.04**	**151.38E–.03**	**31–2**	**5.4s,5.2b**	**1638**	**2-153**
NIED	VII	14 04 30 00	45.50N	151.90E	20	5.5W,5.2b		**¶601273531**
JMA	VII	14 04 30 57.8–1.1	45.48N	151.88E	30	5.6,5.2b		
IDC	VII	14 04 30 57.1–.33	45.53N	151.44E	0	5.1,5.1b		
NEIC	VII	14 04 30 58.8–.10	45.52N	151.32E	10	5.4W,5.2b		
GCMT	VII	14 04 30 58.8–.10	45.54N	151.58E	23–0	5.5W,5.2b		
ISCJB	VII	14 04 30 59.9–.68	45.46N–.02	151.47E–.02	30–4	5.3s,5.1b		
SKHL	VII	14 04 31 00.6–.30	45.22N	151.76E	50–7	5.5b,5.4s		
MOS	VII	14 04 31 02.3–1.1	45.51N	151.38E	47	5.5s,5.4b		
BJI	VII	14 04 31 03.3	45.50N	151.05E	42	5.5b,5.5b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ30.00000°,λ102.00000°. NP2:ϕ_s45.00000°,δ61.00000°,λ83.00000°. $M_0$2.07000×10^{17}
JMA Error ellipse: s-maj=5.6km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=10.7km s-min=8.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=160.0. Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ23.00000°,λ124.00000°. NP2:ϕ_s37.00000°,δ71.00000°,λ76.00000°. Principal axes: T 1.4100,Plg62.0000°,Azm286.0000°; N 0.1300,Plg13.0000°,Azm41.0000°; P -1.5400,Plg25.0000°,Azm137.0000°
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s111,c211; s124,c245; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74±.03 $M_{\theta\theta}$-0.81±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.95±.01; $M_{\phi r}$0.95±.03; Best double couple: NP1:ϕ_s31.00000°,δ60.00000°,λ78.00000°. NP2:ϕ_s235.00000°,δ32.00000°,λ110.00000°. Principal axes: T 2.0450,Plg72.0000°,Azm272.0000°; N 0.0030,Plg11.0000°,Azm38.0000°; P -2.0500,Plg14.0000°,Azm130.0000° $M_0$2.04700×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=1.8km az=163.7.
MOS Error ellipse: s-maj=5.1km s-min=3.7km az=106.3.

ISC	**VII**	**14 04 32 25.1–1.4**	**46.7N–.20**	**151.1E–.20**	**10**	**5.0b**	**15**	**6-91**
ISCJB	VII	14 04 32 23.5–1.0	46.6N–.10	151.0E–.30	10	4.8b		**¶601664548**
IDC	VII	14 04 32 23.5–1.2	46.68N	151.05E	0	5.1,4.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.6km s-min=17.4km az=20.9.
IDC Error ellipse: s-maj=42.2km s-min=21.3km az=89.0.

ISC	**VII**	**14 04 37 33.4–.63**	**45.55N–.09**	**151.54E–.07**	**32**	**4.2b**	**130**	**3-116**
NEIC	VII	14 04 37 29.7–.33	45.53N	151.58E	10	4.4b		**¶601468485**
SKHL	VII	14 04 37 30.2–1.0	45.26N	151.89E	45–4	5.2b		
ISCJB	VII	14 04 37 31.4–.41	45.53N–.06	151.57E–.06	32	4.1b		
MOS	VII	14 04 37 32.9–1.1	45.57N	151.43E	42	4.3b		
IDC	VII	14 04 37 35.3–2.5	45.56N	151.45E	52–21	4.0,3.9		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.7km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=3.5km az=148.5.
MOS Error ellipse: s-maj=8.6km s-min=7.3km az=58.9.
IDC Error ellipse: s-maj=18.7km s-min=14.9km az=145.0.

ISC	**VII**	**14 04 41 32.0–.69**	**45.5N–.10**	**151.62E–.08**	**32**	**3.8b**	**56**	**3-116**
IDC	VII	14 04 41 26.6–.90	45.45N	151.84E	0	4.5,4.5s		**¶601468486**
NEIC	VII	14 04 41 28.4–.39	45.50N	151.73E	10	4.0b,4.5s		
ISCJB	VII	14 04 41 29.9–.50	45.40N–.08	151.64E–.07	32	4.5s,3.8b		
SKHL	VII	14 04 41 29.4–.30	45.62N	151.71E	39–6	4.7b,3.8b		
MOS	VII	14 04 41 30.8–1.3	45.42N	151.62E	39	4.2b,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=21.2km az=85.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.9km az=152.4.
MOS Error ellipse: s-maj=14.4km s-min=11.8km az=150.5.

KRSC	**VII**	**14 05 36 36.7–1.6**	**49.46N**	**156.66E**	**16–28**	**3.7L**		**¶604183859**

KRSC Event type se.

JMA	**VII**	**14 05 56 06.9–1.0**	**45.63N**	**151.63E**	**30**	**4.1**		**¶603639996**

JMA Error ellipse: s-maj=10.0km s-min=9.3km az=-1.0.

ISC	**VII**	**14 06 13 50.4–.62**	**45.42N–.08**	**151.55E–.06**	**32**	**3.9b,3.8s**	**108**	**3-81**
NIED	VII	14 06 13 00	45.80N	151.70E	20	4.4W,3.8s		**¶601505991**
SKHL	VII	14 06 13 46.4–.60	45.13N	152.00E	39–5	5.0b,3.8s		
JMA	VII	14 06 13 46.2–.90	45.76N	151.74E	30	4.6,3.8s		
ISCJB	VII	14 06 13 48.3–.48	45.40N–.07	151.60E–.07	32	3.9b,3.8s		
MOS	VII	14 06 13 50.4–1.2	45.42N	151.50E	49	4.2b,3.8s		
IDC	VII	14 06 13 53.7–2.4	45.63N	151.27E	60–21	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ32.00000°,λ86.00000°. NP2:ϕ_s39.00000°,δ58.00000°,λ93.00000°. $M_0$4.42000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=9.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=3.6km az=146.7.
MOS Error ellipse: s-maj=9.7km s-min=7.7km az=59.5.
IDC Error ellipse: s-maj=18.8km s-min=12.3km az=148.0.

ISC	**VII**	**14 06 43 02.1–.85**	**46.6N–.10**	**152.88E–.09**	**40**	**3.6b**	**41**	**4-78**
SKHL	VII	14 06 42 59.3–.80	45.77N	153.48E	47–12	4.8b		**¶601664553**
MOS	VII	14 06 42 59.0–3.1	45.80N	153.50E	47	4.2b		
ISCJB	VII	14 06 43 00.5–.67	46.69N–.10	152.8E–.10	40	3.7b		
IDC	VII	14 06 43 07.8–2.6	46.83N	152.34E	89–23	3.9,3.6		

ISC Event type ke.
MOS Error ellipse: s-maj=14.4km s-min=10.4km az=144.8.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=4.7km az=143.1.
IDC Error ellipse: s-maj=24.7km s-min=15.3km az=149.0.

ISC	**VII**	**14 06 51 40.1–.42**	**45.36N–.05**	**151.50E–.04**	**37–1**	**4.9b,4.4s**	**565**	**3-153**
NIED	VII	14 06 51 00	45.40N	151.70E	14	4.8W,4.4s		**¶601273533**
NEIC	VII	14 06 51 36.7–.17	45.45N	151.37E	10	4.9b,4.4s		
JMA	VII	14 06 51 36.8–.60	45.44N	151.74E	30	5.3,4.4s		
GCMT	VII	14 06 51 36.7–.50	45.45N	151.57E	30–1	4.9W,4.4s		
ISCJB	VII	14 06 51 37.1–.70	45.38N–.03	151.48E–.03	26–5	4.8b,4.3s		
BJI	VII	14 06 51 38.9	45.40N	151.43E	40	5.0b,5.0b		
MOS	VII	14 06 51 39.8–.94	45.45N	151.42E	46	5.0b,4.4s		
SKHL	VII	14 06 51 39.0–.90	45.22N	151.70E	52–7	5.6b,4.5s		
IDC	VII	14 06 51 41.3–2.0	45.52N	151.39E	44–18	4.5,4.4L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ30.00000°,λ103.00000°. NP2:ϕ_s46.00000°,δ61.00000°,λ83.00000°. $M_0$1.64000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=152.0.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s31,c35; s61,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.22±.16 $M_{\theta\theta}$-1.25±.11; $M_{\phi\phi}$-0.96±.11; $M_{r\theta}$0.38±.14; $M_{\theta\phi}$-1.32±.07; $M_{\phi r}$0.96±.12; Best double couple: NP1:ϕ_s37.00000°,δ57.00000°,λ77.00000°. NP2:ϕ_s240.00000°,δ35.00000°,λ109.00000°. Principal axes: T 2.4870,Plg75.0000°,Azm271.0000°; N 0.1310,Plg11.0000°,Azm44.0000°; P -2.6160,Plg11.0000°,Azm136.0000° $M_0$2.55100×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.4km az=153.6.
MOS Error ellipse: s-maj=6.0km s-min=4.4km az=102.1.
IDC Error ellipse: s-maj=13.4km s-min=10.1km az=151.0.

ISC	**VII**	**14 07 58 43.5–.55**	**45.33N–.08**	**151.60E–.06**	**32**	**4.3b,3.8s**	**151**	**3-81**
NIED	VII	14 07 58 00	45.70N	151.60E	14	4.1W,3.8s		**¶601273222**
SKHL	VII	14 07 58 39.7–.30	45.08N	152.05E	36–3	4.8b,3.8s		
NEIC	VII	14 07 58 41.0–.62	45.65N	151.71E	10	4.6b,3.8s		
ISCJB	VII	14 07 58 41.8–.38	45.41N–.06	151.60E–.06	32	4.2b,3.6s		
JMA	VII	14 07 58 41.8–.90	45.65N	151.63E	30	4.5,3.6s		
BJI	VII	14 07 58 42.6	45.56N	151.70E	49	4.8b,4.7b		
MOS	VII	14 07 58 43.6–.88	45.40N	151.53E	47	4.2b,4.7b		
IDC	VII	14 07 58 46.6–2.4	45.48N	151.40E	55–21	3.8,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ24.00000°,λ75.00000°. NP2:ϕ_s46.00000°,δ67.00000°,λ96.00000°. $M_0$1.84000×10^{15}
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.3km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.5km az=148.3.
JMA Error ellipse: s-maj=10.0km s-min=9.3km az=-1.0.
MOS Error ellipse: s-maj=8.5km s-min=7.5km az=142.9.
IDC Error ellipse: s-maj=19.0km s-min=12.6km az=157.0.

ISC	**VII**	**14 11 17 52.2–.88**	**45.07N–.09**	**151.70E–.08**	**36**	**3.9b,3.3s**	**66**	**3-79**
NIED	VII	14 11 17 00	45.60N	151.60E	14	3.8W,3.3s		**¶601664563**
JMA	VII	14 11 17 51.6–.90	45.55N	151.58E	30	4.2,3.3s		
SKHL	VII	14 11 17 53.0–.60	45.02N	151.73E	46–8	4.6b,3.3s		
MOS	VII	14 11 17 53.2–.76	45.48N	151.49E	51	4.2b,3.3s		
IDC	VII	14 11 17 55.6–3.3	45.49N	151.48E	55–29	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s239.00000°,δ38.00000°,λ120.00000°. NP2:ϕ_s23.00000°,δ58.00000°,λ69.00000°. $M_0$5.11000×10^{14}
JMA Error ellipse: s-maj=10.0km s-min=8.6km az=-1.0.
MOS Error ellipse: s-maj=18.2km s-min=11.2km az=147.2.
IDC Error ellipse: s-maj=25.5km s-min=19.5km az=102.0.

JMA	**VII**	**14 13 00 30.1–.90**	**45.76N**	**151.37E**	**30**	**3.7**		**¶603640158**

JMA Error ellipse: s-maj=11.1km s-min=9.3km az=-1.0.

JMA	**VII**	**14 17 32 56.3–.70**	**45.51N**	**151.90E**	**30**	**4.2**		**¶603640317**

JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.

ISC	**VII**	**14 17 36 24.3–.52**	**45.31N–.04**	**151.97E–.03**	**20–2**	**5.0b,4.6s**	**1024**	**3-151**
NIED	VII	14 17 36 00	45.40N	152.10E	23	4.8W,4.6s		**¶601273345**
ISCJB	VII	14 17 36 20.8–.71	45.30N–.03	151.95E–.02	8–4	4.9b,4.5s		
BJI	VII	14 17 36 22.5	45.33N	151.66E	10	5.1b,5.0b		
SKHL	VII	14 17 36 22.6–.70	45.13N	152.30E	40–10	5.5b,4.8s		
NEIC	VII	14 17 36 22.6–1.4	45.38N	151.88E	6–8	5.0b,4.8s		
GCMT	VII	14 17 36 22.6–.40	45.29N	152.15E	21–0	4.8W,4.8s		
JMA	VII	14 17 36 23.0–.70	45.37N	152.13E	30	5.1,4.8s		
MOS	VII	14 17 36 24.7–1.1	45.32N	151.91E	33	5.3b,4.6s		
IDC	VII	14 17 36 25.6–2.8	45.38N	151.92E	26–18	4.7,4.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s337.00000°,δ63.00000°,λ16.00000°. NP2:ϕ_s240.00000°,δ76.00000°,λ152.00000°. $M_0$1.51000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=1.8km az=161.8.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.1km az=162.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s39,c45; s64,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.25±.14 $M_{\theta\theta}$-1.16±.09; $M_{\phi\phi}$-1.09±.09; $M_{r\theta}$0.48±.15; $M_{\theta\phi}$-0.97±.05; $M_{\phi r}$0.54±.14; Best double couple: NP1:ϕ_s45.00000°,δ54.00000°,λ89.00000°. NP2:ϕ_s227.00000°,δ36.00000°,λ92.00000°. Principal axes: T 2.3690,Plg81.0000°,Azm309.0000°; N -0.1570,Plg1.0000°,Azm46.0000°; P -2.2120,Plg9.0000°,Azm136.0000° $M_0$2.29000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=3.9km az=104.1.
IDC Error ellipse: s-maj=11.8km s-min=9.2km az=153.0.

JMA	**VII**	**14 19 47 30.5–.70**	**45.62N**	**151.76E**	**30**	**4.0**		
NIED	VII	14 19 47 00	45.60N	151.80E	17	3.8W		**¶603640383**

JMA Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ44.00000°,λ53.00000°. NP2:ϕ_s21.00000°,δ56.00000°,λ121.00000°. $M_0$4.86000×10^{14}

JMA	**VII**	**14 22 08 40.7–.80**	**45.84N**	**151.61E**	**30**	**3.8**		
NIED	VII	14 22 08 00	45.80N	151.60E	14	3.6W		**¶603640450**

JMA Error ellipse: s-maj=11.1km s-min=9.3km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ37.00000°,λ8.00000°. NP2:ϕ_s245.00000°,δ85.00000°,λ126.00000°. $M_0$3.02000×10^{14}

ISC	**VII**	**15 09 50 29.4–.62**	**45.61N–.09**	**151.67E–.06**	**32**	**4.4b,3.6s**	**127**	**3-151**
NIED	VII	15 09 50 00	45.50N	152.20E	26	3.9W,3.6s		**¶601273563**
SKHL	VII	15 09 50 20.7–.70	44.78N	152.63E	43–6	4.2b,3.6s		
MOS	VII	15 09 50 21.0–2.0	44.80N	152.60E	43	4.1b,3.6s		
JMA	VII	15 09 50 23.0–.70	45.55N	152.21E	30	4.2,3.6s		
ISCJB	VII	15 09 50 26.0–.54	45.48N–.08	151.79E–.08	32	4.2b,3.5s		
IDC	VII	15 09 50 28.8–5.5	45.71N	151.83E	33–39	3.8,3.8		
NEIC	VII	15 09 50 30.2–.76	46.24N	151.30E	10	4.7b,3.8		
BJI	VII	15 09 50 32.3	46.33N	151.35E	47	4.8b,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s146.00000°,δ78.00000°,λ0.00000°. NP2:ϕ_s236.00000°,δ90.00000°,λ-168.00000°. $M_0$8.70000×10^{14}
MOS Error ellipse: s-maj=8.7km s-min=8.0km az=103.0.
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=3.4km az=146.7.

IDC Error ellipse: s-maj=42.9km s-min=16.8km az=168.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=9.0km az=145.0.
ISC VII 15 14 34 46.1–.27 43.25N–.03 146.47E–.03 64–1 5.2b 1799 1-154
NIED VII 15 14 34 00 43.20N 146.30E 62 4.9W **¶605671894**
BJI VII 15 14 34 43.7 43.24N 146.52E 61 4.9b,4.9b
IDC VII 15 14 34 44.8–1.6 43.24N 146.45E 49–14 5.2,5.0
ISCJB VII 15 14 34 45.1–.26 43.15N–.02 146.47E–.02 67–2 5.1b,5.0
MOS VII 15 14 34 46.0–.77 43.25N 146.42E 73 5.5b,4.0s
SKHL VII 15 14 34 46.3–.70 43.18N 146.46E 74–4 6.1b,4.0s
GCMT VII 15 14 34 46.4–.30 43.23N 146.49E 69–3 5.0W,4.0s
NEIC VII 15 14 34 46.4–.09 43.24N 146.41E 64 5.2b,4.0s
JMA VII 15 14 34 46.7–.10 43.16N 146.41E 62–1 5.0,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ36.00000°,λ30.00000°. NP2:ϕ_s63.00000°,δ72.00000°,λ123.00000°. M$_o$2.60000×10^{16}
IDC Error ellipse: s-maj=10.9km s-min=9.4km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=162.5.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=108.0. Felt (IV) at Malokuril'skoye; (III-IV) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (IV) at Malokurilskoe; felt (III) at Yushno-Kurilsk.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s33,c37; s93,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M$_{rr}$1.21±.15 M$_{\theta\theta}$0.41±.12; M$_{\phi\phi}$-1.62±.11; M$_{r\theta}$2.29±.08; M$_{\theta\phi}$-1.82±.10; M$_{\phi r}$0.49±.07; Best double couple: NP1:ϕ_s67.00000°,δ76.00000°,λ128.00000°. NP2:ϕ_s174.00000°,δ40.00000°,λ22.00000°. Principal axes:
T 3.2830,Plg45.0000°,Azm15.0000°; N 0.0450,Plg37.0000°,Azm236.0000°
; P -3.3270,Plg22.0000°,Azm129.0000° M$_o$3.30500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=160.0. Recorded [3 JMA] in eastern Hokkaido. Recorded [1 JMA] in Aomori and Iwate, Honshu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VII 15 15 30 08.4–1.0 48.4N–.10 155.4E–.10 36 3.2b 49 2-75
ISCJB VII 15 15 30 06.8–.64 48.50N–.08 155.1E–.20 36 3.1b **¶601276591**
MOS VII 15 15 30 06.4–.94 48.33N 155.27E 41 4.1b
KRSC VII 15 15 30 08.7–1.0 48.56N 155.85E 41–20 3.9L
IDC VII 15 15 30 11.5–3.9 48.53N 154.94E 70–39 3.7L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=3.7km az=36.9.
MOS Error ellipse: s-maj=24.3km s-min=5.5km az=71.2.
KRSC Event type se.
IDC Error ellipse: s-maj=61.8km s-min=21.4km az=139.0.
ISC VII 15 15 44 21.1–1.9 45.16N–.04 147.12E–.05 10–13 3.9b 47 1-82
NIED VII 15 15 44 00 45.10N 147.10E 5 4.1W **¶601664635**
IDC VII 15 15 44 17.1–1.6 44.65N 146.91E 0 4.1,3.7
ISCJB VII 15 15 44 21.2–.92 45.22N–.04 147.10E–.05 23–8 3.7b,3.7
JMA VII 15 15 44 22.4–.70 45.12N 147.14E 30 3.5,3.7
SKHL VII 15 15 44 22.1–.60 45.12N 147.50E 62–3 4.7b,3.7
MOS VII 15 15 44 25.1–1.9 45.08N 146.56E 59 4.2b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ20.00000°,λ68.00000°. NP2:ϕ_s45.00000°,δ72.00000°,λ98.00000°. M$_o$1.56000×10^{15}
IDC Error ellipse: s-maj=45.8km s-min=19.6km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=43.0.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=19.9km s-min=9.8km az=79.8.
ISC VII 15 15 52 48.3–.90 45.12N–.05 151.40E–.05 17–5 4.6b,3.8s 313 2-151
NIED VII 15 15 52 00 45.30N 151.50E 17 4.3W,3.8s **¶601273575**
IDC VII 15 15 52 45.2–.62 45.19N 151.40E 0 4.2,4.1
NEIC VII 15 15 52 47.0–.38 45.16N 151.39E 10 4.8b,4.1
ISCJB VII 15 15 52 47.7–.89 44.94N–.04 151.43E–.04 30–6 4.4b,3.8s
JMA VII 15 15 52 47.7–.40 45.29N 151.54E 30 4.7,3.8s
BJI VII 15 15 52 48.4 45.19N 151.36E 30 4.8b,4.6b
SKHL VII 15 15 52 48.2–.90 44.87N 151.67E 44–3 4.9b,4.1s
MOS VII 15 15 52 49.4–1.5 45.08N 151.40E 41 4.7b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ43.00000°,λ76.00000°. NP2:ϕ_s224.00000°,δ49.00000°,λ103.00000°. M$_o$3.19000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=13.3km az=137.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.3km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.2km az=152.6.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=6.7km s-min=6.0km az=101.1.
ISC VII 15 18 02 15.1–.48 45.27N–.06 152.00E–.05 30 4.5b,4.1s 242 3-151
NIED VII 15 18 02 00 45.60N 152.10E 14 4.4W,4.1s **¶601273577**
IDC VII 15 18 02 10.8–.56 45.33N 151.93E 0 4.3,4.2
SKHL VII 15 18 02 12.3–.50 45.14N 152.34E 33–3 4.4b,4.2s
JMA VII 15 18 02 12.1–.60 45.59N 152.08E 30 4.4,4.2s
NEIC VII 15 18 02 12.1–.29 45.34N 151.99E 10 4.6b,4.2s
BJI VII 15 18 02 12.8 45.33N 151.86E 18 4.7b,4.4b
ISCJB VII 15 18 02 13.1–.28 45.21N–.05 152.00E–.04 30 4.4b,4.0s
MOS VII 15 18 02 14.3–1.4 45.34N 152.04E 34 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ34.00000°,λ40.00000°. NP2:ϕ_s234.00000°,δ68.00000°,λ118.00000°. M$_o$3.87000×10^{15}
IDC Error ellipse: s-maj=15.5km s-min=11.7km az=162.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.3km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.8km az=152.4.
MOS Error ellipse: s-maj=7.4km s-min=6.0km az=95.4.
ISC VII 15 22 52 11.6–1.7 43.59N–.07 146.63E–.06 46–15 24 0-3
ISCJB VII 15 22 52 11.2–.90 43.59N–.06 146.62E–.07 49–10 **¶603312365**
SKHL VII 15 22 52 12.2–.60 43.61N 146.62E 47–1 4.0b
JMA VII 15 22 52 12.2–.20 43.54N 146.57E 50–2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.0km az=147.4.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
KRSC VII 16 01 32 12.3–2.5 50.06N 154.36E 232–33 3.9L
¶604183862
KRSC Event type se.
ISC VII 16 12 41 10.7–3.3 44.20N–.10 148.1E–.10 25–20 29 1-4
JMA VII 16 12 41 12.0–.20 43.86N 147.76E 1 3.5 **¶603312373**
SKHL VII 16 12 41 13.4–.90 44.24N 147.96E 42–8 4.0b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
JMA VII 16 18 38 07.2–.70 45.52N 151.27E 30 3.9
¶603641477
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
ISC VII 16 23 19 50.8–2.9 50.4N–.10 157.55E–.06 25–22 66 1-7
MOS VII 16 23 19 48.9–.67 50.25N 157.72E 27 4.3b **¶601352418**
KRSC VII 16 23 19 49.6–1.4 50.41N 157.75E 41–22 4.1L
SKHL VII 16 23 19 53.5–.80 50.47N 157.46E 50 4.4b
ISC Event type se.
MOS Error ellipse: s-maj=26.4km s-min=5.3km az=84.0.
KRSC Event type se.
ISC VII 17 03 17 10.0–2.5 43.11N–.09 146.52E–.07 25–16 29 1-3
JMA VII 17 03 17 11.3–.10 43.16N 146.42E 61–1 3.6 **¶603312381**
SKHL VII 17 03 17 11.8–.60 43.17N 146.46E 44–9 4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VII 17 07 44 27.6–.50 48.75N–.07 151.69E–.06 300 3.8b 156 3-77
ISCJB VII 17 07 44 27.1–.23 48.89N–.05 151.56E–.07 300 3.8b **¶601404401**
MOS VII 17 07 44 27.9–1.0 49.07N 151.42E 302 3.9b
SKHL VII 17 07 44 27.8–.50 48.74N 151.71E 304–31 5.2b,4.7s
KRSC VII 17 07 44 29.5–2.2 48.69N 152.71E 332–30 4.7L,4.7s
IDC VII 17 07 44 30.2–.73 49.11N 151.34E 308–7 4.2,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=2.4km az=137.3.
MOS Error ellipse: s-maj=13.0km s-min=4.9km az=58.9.
KRSC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=8.0km az=152.0.
ISC VII 18 15 30 24.1–.59 50.88N–.06 155.52E–.06 171–5 4.2b 198 0-147
KRSC VII 18 15 30 22.5–1.8 50.72N 155.91E 175–12 4.3L **¶601404613**
SKHL VII 18 15 30 22.1–.70 51.03N 155.09E 156–3 5.3s,4.8b
ISCJB VII 18 15 30 23.4–.31 50.93N–.04 155.41E–.07 173–2 4.1b,4.8b
MOS VII 18 15 30 23.7–1.1 50.96N 155.36E 176 4.2b,4.8b
NEIC VII 18 15 30 25.5–.53 51.15N 155.16E 175–5 4.3b,4.8b
IDC VII 18 15 30 25.5–1.2 51.08N 155.30E 174–9 4.1,3.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.1km az=136.9.
MOS Error ellipse: s-maj=14.9km s-min=4.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.1km az=142.0.
IDC Error ellipse: s-maj=15.5km s-min=9.6km az=155.0.
ISC VII 19 05 34 21.8–1.9 49.5N–.10 156.2E–.10 54 3.2b 59 1-74
IDC VII 19 05 34 10.8–7.0 49.00N 155.59E 0 3.7,3.5b **¶601451989**
MOS VII 19 05 34 18.5–2.1 49.46N 157.05E 15 4.1b,3.5b
KRSC VII 19 05 34 18.5–2.5 49.46N 157.05E 15–39 4.2L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=183.4km s-min=48.8km az=90.0.
MOS Error ellipse: s-maj=34.1km s-min=5.4km az=81.4.
KRSC Event type se.
ISC VII 19 07 44 32.7–2.1 43.1N–.10 146.94E–.09 57–29 29 1-3
JMA VII 19 07 44 32.9–.20 43.04N 146.87E 63–3 3.3 **¶603312395**
SKHL VII 19 07 44 33.9–.50 43.10N 146.84E 66–3 4.3b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC VII 19 08 13 53.0–12 46.23N 149.77E 0 4.1,3.9
¶601664824
IDC Error ellipse: s-maj=385.4km s-min=33.6km az=21.0.
ISC VII 20 01 19 59.5–.39 49.16N–.05 156.28E–.04 39–2 4.9b,4.3s 628 2-155
BJI VII 20 01 19 51.1 49.37N 156.64E 10 4.9b,4.9b **¶601451956**
IDC VII 20 01 19 54.6–.54 49.37N 156.14E 0 5.4L,4.8
KRSC VII 20 01 19 56.0–2.2 49.06N 157.09E 38–34 5.4L,4.8
NEIC VII 20 01 19 57.9–2.5 49.35N 156.03E 18–15 4.8b,4.8
ISCJB VII 20 01 19 57.9–.70 49.22N–.03 156.17E–.03 32–4 4.8b,4.3s
GCMT VII 20 01 19 57.9–.50 49.25N 156.42E 23–1 4.9W,4.3s
SKHL VII 20 01 19 58.5–.10 49.07N 156.49E 62–2 5.6b,5.0s
MOS VII 20 01 19 59.5–1.0 49.30N 156.15E 46 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=11.4km az=151.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.0km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.5km az=140.9.
GCMT Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s21,c28; s57,c73; Duration: 0 Moment tensor: Scale 10^{16}Nm; M$_{rr}$2.22±.16 M$_{\theta\theta}$-0.58±.10; M$_{\phi\phi}$-1.64±.12; M$_{r\theta}$0.40±.17; M$_{\theta\phi}$-1.04±.07; M$_{\phi r}$0.84±.15; Best double couple: NP1:ϕ_s29.00000°,δ56.00000°,λ87.00000°. NP2:ϕ_s214.00000°,δ34.00000°,λ94.00000°. Principal axes:
T 2.4060,Plg79.0000°,Azm290.0000°; N 0.0530,Plg2.0000°,Azm31.0000°
; P -2.4600,Plg11.0000°,Azm121.0000° M$_o$2.43300×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=2.8km az=82.6.
ISC VII 20 01 24 47.9–1.5 44.58N–.09 148.6E–.10 55 22 1-29
ISCJB VII 20 01 24 42.7–1.2 44.42N–.08 148.8E–.10 55 3.4b **¶603070812**
MOS VII 20 01 24 44.3–1.9 44.61N 148.88E 33 3.9b
SKHL VII 20 01 24 46.8–.80 44.62N 148.73E 54–3 4.1b
JMA VII 20 01 24 49.7–.20 44.07N 148.16E 90 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.6km az=43.2.
MOS Error ellipse: s-maj=19.9km s-min=15.5km az=60.8.
JMA Error ellipse: s-maj=3.3km s-min=1.6km az=-1.0.
ISC VII 20 01 55 04.4–1.9 49.39N–.07 156.73E–.09 14–10 3.8b 63 1-78
IDC VII 20 01 55 01.6–1.8 49.26N 156.21E 0 3.9,3.7b **¶601456420**
MOS VII 20 01 55 04.7–2.2 49.30N 157.24E 10 4.0b,3.7b
KRSC VII 20 01 55 04.7–2.4 49.31N 157.24E 10–44 4.2L,3.7b
SKHL VII 20 01 55 05.0–1.1 50.17N 153.57E 60 4.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=54.7km s-min=21.2km az=166.0.
MOS Error ellipse: s-maj=17.4km s-min=4.9km az=83.8.
KRSC Event type se.
ISC VII 20 03 40 11.6–.52 49.28N–.04 156.09E–.04 17–2 5.2b,5.0s 1341 1-171
IDC VII 20 03 40 06.7–.53 49.35N 156.11E 0 5.7L,4.9 **¶601451958**
KRSC VII 20 03 40 08.7–2.8 49.13N 156.91E 43–43 5.7L,4.9
SKHL VII 20 03 40 09.9–.60 49.03N 156.60E 58–2 6.1b,6.0
ISCJB VII 20 03 40 10.9–.74 49.42N–.02 155.85E–.02 23–5 5.1b,5.0s
BJI VII 20 03 40 10.7 49.51N 156.00E 22 5.4s,5.3
NEIC VII 20 03 40 12.2–2.1 49.51N 155.60E 15–13 5.3b,5.0s
GCMT VII 20 03 40 12.1–.10 49.22N 156.50E 25–0 5.5W,5.0s
MOS VII 20 03 40 14.2–1.6 49.54N 155.90E 47 5.3b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=10.9km az=133.0.
KRSC Event type se.
SKHL Event type fe. Felt (II) at Severo-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=158.6.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=163.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s114,c207; s122,c239; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M$_{rr}$1.34±.02 M$_{\theta\theta}$-0.51±.02; M$_{\phi\phi}$-0.82±.02; M$_{r\theta}$0.58±.04; M$_{\theta\phi}$-0.70±.01; M$_{\phi r}$1.20±.04; Best double couple: NP1:ϕ_s30.00000°,δ67.00000°,λ83.00000°. NP2:ϕ_s228.00000°,δ24.00000°,λ107.00000°. Principal axes:
T 1.9000,Plg67.0000°,Azm286.0000°; N 0.0160,Plg7.0000°,Azm32.0000°
; P -1.9130,Plg22.0000°,Azm125.0000° M$_o$1.90600×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=2.8km az=81.4. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
ISC VII 20 03 44 10.1–1.2 49.10N–.06 156.49E–.06 34–3 4.5b 171 2-145
IDC VII 20 03 44 06.1–.62 49.28N 156.21E 0 5.0L,4.5 **¶601456421**
NEIC VII 20 03 44 07.7–.32 49.29N 156.22E 10 4.6b,4.5
SKHL VII 20 03 44 09.4–.00 49.00N 156.50E 43–8 5.3b,4.5
KRSC VII 20 03 44 09.5–2.3 49.16N 157.21E 42–40 5.0L,4.5
MOS VII 20 03 44 09.8–1.3 49.17N 156.33E 45 4.6b,4.5
ISCJB VII 20 03 44 09.4–.63 49.13N–.05 156.36E–.08 40–5 4.4b,4.5
ISC Event type se.
NEIC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC VII 20 06 10 27.3–.26 49.25N–.03 156.11E–.03 38–1 5.8s,5.7b 2454 1-157
BJI VII 20 06 10 21.2 49.44N 156.16E 12 6.2,6.2s **¶601453719**
IDC VII 20 06 10 21.1–.38 49.35N 156.01E 0 5.7,5.7s
KRSC VII 20 06 10 21.6–2.3 49.02N 156.56E 53–30 6.4L,5.7s
GCMT VII 20 06 10 25.2–.10 49.22N 156.41E 27–0 6.0W,5.7s
NEIC VII 20 06 10 25.0–.00 49.15N 156.23E 23 6.0W,5.7s
NEIC VII 20 06 10 25.2–.07 49.41N 155.91E 19 6.1W,6.0
ISCJB VII 20 06 10 25.8–.32 49.30N–.02 156.08E–.02 40–2 5.8s,5.7b
MOS VII 20 06 10 26.9–1.1 49.39N 155.94E 47 6.0b,5.9s
SKHL VII 20 06 10 26.9–.90 49.14N 156.31E 69–6 6.6b,6.4s
NEIC VII 20 06 10 32.7–.00 49.53N 156.72E 36 6.6b,6.4s
ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=109.0.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s132,c312; s142,c486;Duration: 2s4 Moment tensor: Scale 10^{18} Nm; M$_{rr}$0.93±.01 M$_{\theta\theta}$-0.29±.01; M$_{\phi\phi}$-0.63±.01; M$_{r\theta}$0.43±.01; M$_{\theta\phi}$-0.47±.00; M$_{\phi r}$0.67±.01; Best double couple: NP1:ϕ_s33.00000°,δ65.00000°,λ89.00000°. NP2:ϕ_s217.00000°,δ25.00000°,λ93.00000°. Principal axes: T 1.2210,Plg70.0000°,Azm300.0000°
; N 0.0350,Plg1.0000°,Azm34.0000°; P -1.2550,Plg20.0000°,Azm124.0000°
M$_o$1.23800×10^{18}
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ71.00000°,λ84.00000°. NP2:ϕ_s227.00000°,δ20.00000°,λ108.00000°. Principal axes:
T 1.1800,Plg63.0000°,Azm288.0000°; N -0.1000,Plg6.0000°,Azm30.0000°
; P -1.0800,Plg26.0000°,Azm123.0000°
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.4km az=157.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M$_{rr}$5.60 M$_{\theta\theta}$-0.98 M$_{\phi\phi}$-4.62 M$_{r\theta}$4.24 M$_{\theta\phi}$-2.62 M$_{\phi r}$4.86 Best double couple: NP1:ϕ_s197.00000°,δ22.00000°,λ70.00000°. NP2:ϕ_s38.00000°,δ69.00000°,λ98.00000°. Principal axes: T 8.5800,Plg65.0000°,Azm321.0000°

; N 0.1900,Plg7.0000°,Azm215.0000°; P -8.7700,Plg24.0000°,Azm122.0000°
$M_0$8.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s210.00000°,δ12.00000°,λ90.00000°. NP2:ϕ_s30.00000°,δ78.00000°,λ90.00000°.
Principal axes: T Plg57.0000°,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg33.0000°
,Azm120.0000°

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.5km az=163.7.

MOS Event type fe. Error ellipse: s-maj=5.6km s-min=2.6km az=81.6. Fault plane solution: P-wave C204, D29 . Felt (IV-V) at Severo-Kuril'sk. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ71.00000°,λ86.00000°. NP2: ϕ_s224.00000°,δ20.00000°,λ101.00000°. Principal axes: T Plg64.0000°,Azm296.0000°
; N Plg4.0000°,Azm34.0000°; P Plg26.0000°,Azm125.0000° $M_0$7.20000×10^{18}

SKHL Event type fe. Felt (IV-V) at Severo-Kurilsk.

NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.48 $M_{r\theta}$0.17 $M_{r\phi}$-0.49 $M_{\theta\phi}$1.06 Best double couple: NP1:ϕ_s243.00000°
,δ27.00000°,λ128.00000°. NP2:ϕ_s21.00000°,δ69.00000°,λ73.00000°. Principal axes:
T 1.5500,Plg62.0000°,Azm265.0000°; N -0.2000,Plg16.0000°,Azm28.0000°
; P -1.3500,Plg22.0000°,Azm124.0000° $M_0$1.50000×10^{18}

ISC	**VII**	**20 06 27 44.2–.95**	**49.23N–.06**	**156.33E–.05**	**40–8**	**4.5b**	**249**	**1-150**
BJI	VII	20 06 27 33.4	49.27N	156.84E	6	5.2b,4.8b		**¶601451999**
IDC	VII	20 06 27 38.5–.59	49.36N	156.14E	0	5.1L,4.4		
NEIC	VII	20 06 27 40.1–.32	49.22N	156.12E	10	4.8b,4.4		
SKHL	VII	20 06 27 41.2–.80	49.02N	156.91E	74–1	5.4b,4.4		
KRSC	VII	20 06 27 41.1–2.0	49.15N	156.75E	61–32	4.9L,4.4		
ISCJB	VII	20 06 27 42.9–.55	49.28N–.04	156.18E–.06	42–4	4.5b,4.4		
MOS	VII	20 06 27 45.1–1.2	49.39N	156.21E	68	4.5b,4.4		

ISC Event type se.

IDC Error ellipse: s-maj=15.2km s-min=13.0km az=130.0.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=154.0.

KRSC Event type se.

ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.5km az=43.7.

MOS Error ellipse: s-maj=10.5km s-min=3.5km az=77.8.

ISC	**VII**	**20 06 33 00.7–.42**	**49.26N–.04**	**156.27E–.03**	**44–3**	**5.8b,5.6s**	**2167**	**1-157**
BJI	VII	20 06 32 53.9	49.27N	156.14E	11	6.1b,6.0s		**¶601451963**
IDC	VII	20 06 32 54.5–.36	49.35N	156.11E	0	5.5,5.5b		
GCMT	VII	20 06 32 56.1–.10	49.24N	156.54E	27–0	5.8W,5.5b		
NEIC	VII	20 06 32 56.0–.00	49.25N	156.32E	21	5.8W,5.5b		
NEIC	VII	20 06 32 56.1–.07	49.35N	156.13E	10	5.8W,5.8b		
KRSC	VII	20 06 32 57.3–2.0	49.15N	156.81E	70–31	6.0L,5.8b		
ISCJB	VII	20 06 32 58.1–.33	49.26N–.02	156.26E–.02	37–2	5.7b,5.6s		
SKHL	VII	20 06 32 59.7–.20	49.17N	156.44E	58–2	6.6b,6.5		
MOS	VII	20 06 33 01.6–1.1	49.47N	156.14E	64	6.0b,5.7s		

ISC Event type se.

IDC Error ellipse: s-maj=10.6km s-min=8.6km az=134.0.

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s115,c236; s139,c413;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.55±.08 $M_{\theta\theta}$-1.59±.05; $M_{\phi\phi}$-3.97±.06; $M_{r\theta}$2.52±.11; $M_{\theta\phi}$-2.51±.03; $M_{\phi r}$4.03±.11; Best double couple: NP1:ϕ_s32.00000°
,δ65.00000°,λ90.00000°. NP2:ϕ_s213.00000°,δ25.00000°,λ90.00000°. Principal axes:
T 7.3060,Plg70.0000°,Azm302.0000°; N -0.0020,Plg0.0000°,Azm32.0000°
; P -7.3140,Plg20.0000°,Azm122.0000° $M_0$7.31000×10^{17}

NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}4.15 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-2.77 $M_{r\theta}$3.68 $M_{\theta\phi}$-0.91 $M_{\phi r}$3.70 Best double couple: NP1:ϕ_s41.00000°
,δ73.00000°,λ96.00000°. NP2:ϕ_s202.00000°,δ18.00000°,λ72.00000°. Principal axes:
T 6.9200,Plg61.0000°,Azm319.0000°; N -1.0900,Plg5.0000°,Azm219.0000°
; P -5.8200,Plg27.0000°,Azm126.0000° $M_0$6.40000×10^{17}

NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.4km az=156.0.

KRSC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.6km az=160.8.

SKHL Event type fe. Felt (III-IV) at Severo-Kurilsk.

MOS Event type fe. Error ellipse: s-maj=5.7km s-min=2.6km az=82.2. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.

ISC	**VII**	**20 09 12 54.9–.76**	**49.28N–.05**	**156.57E–.05**	**14–3**	**4.6b**	**228**	**1-85**
BJI	VII	20 09 12 52.6	49.38N	156.69E	22	5.0b,4.7b		**¶601452001**
ISCJB	VII	20 09 12 52.9–.38	49.16N–.04	156.47E–.07	10	4.5b,4.7b		
IDC	VII	20 09 12 53.7–.90	49.43N	156.27E	0	5.4L,4.2		
SKHL	VII	20 09 12 54.5–.50	48.94N	157.03E	62–3	4.8b,3.5s		
NEIC	VII	20 09 12 55.3–.45	49.40N	156.33E	10	4.6b,3.5s		
KRSC	VII	20 09 12 57.5–2.2	49.26N	157.32E	44–40	4.8L,3.5s		
MOS	VII	20 09 12 57.2–1.2	49.23N	156.38E	47	4.5b,3.5s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=2.7km az=40.6.

IDC Error ellipse: s-maj=22.1km s-min=14.2km az=147.0.

NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.4km az=141.0.

KRSC Event type se.

MOS Error ellipse: s-maj=10.1km s-min=3.7km az=79.5.

ISC	**VII**	**20 09 59 25.9–1.2**	**49.20N–.08**	**156.50E–.08**	**18–5**	**4.0b**	**100**	**2-85**
MOS	VII	20 09 59 23.2–1.1	49.09N	156.49E	10	4.1b		**¶601456422**
IDC	VII	20 09 59 23.9–.87	49.44N	156.09E	0	5.0L,4.1		
NEIC	VII	20 09 59 25.1–.85	49.27N	156.20E	10	4.7b,4.1		
KRSC	VII	20 09 59 26.4–2.9	49.32N	157.38E	10–56	4.6L,4.1		
SKHL	VII	20 09 59 27.6–.60	49.17N	156.75E	57–3	4.5b,4.1		

ISC Event type se.

MOS Error ellipse: s-maj=15.2km s-min=4.0km az=78.9.

IDC Error ellipse: s-maj=21.3km s-min=16.5km az=139.0.

NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.2km az=138.0.

KRSC Event type se.

KRSC	**VII**	**21 04 29 37.1–1.6**	**50.78N**	**157.76E**	**43–21**	**3.8L**	
							¶604183869

KRSC Event type se.

ISC	**VII**	**21 06 01 41.2–1.0**	**45.5N–.10**	**151.8E–.10**	**30**	**4.2b**	**38**	**7-77**
IDC	VII	21 06 01 35.9–1.2	45.43N	151.78E	0	3.9,3.9b		**¶601484390**
ISCJB	VII	21 06 01 39.0–.77	45.45N–.10	151.8E–.10	30	4.0b,3.9b		
NEIC	VII	21 06 01 40.2–1.8	45.47N	151.80E	23–13	4.5b,3.9b		

ISC Event type se.

IDC Error ellipse: s-maj=30.1km s-min=20.3km az=133.0.

ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=7.2km az=137.2.

NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.6km az=138.0.

ISC	**VII**	**21 07 20 01.3–.71**	**49.14N–.05**	**156.32E–.05**	**35–6**	**4.7b**	**440**	**2-150**
BJI	VII	21 07 19 56.3	49.32N	156.58E	29	5.0b,4.8b		**¶601453751**
NEIC	VII	21 07 19 58.4–.20	49.27N	156.09E	10	4.7b,4.8b		
KRSC	VII	21 07 19 59.0–2.0	49.10N	156.63E	80–32	5.1L,4.8b		
ISCJB	VII	21 07 20 00.4–.47	49.22N–.03	156.16E–.04	36–3	4.6s,4.6b		
MOS	VII	21 07 20 00.4–1.1	49.22N	156.18E	47	4.9b,4.6b		
SKHL	VII	21 07 20 00.6–1.1	49.07N	156.47E	49–2	5.1b,3.5s		
IDC	VII	21 07 20 03.8–2.1	49.33N	156.05E	51–18	4.4,4.3		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.4km az=152.0.

KRSC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=2.9km az=139.6.

MOS Error ellipse: s-maj=7.4km s-min=2.9km az=81.3.

IDC Error ellipse: s-maj=13.4km s-min=9.7km az=153.0.

ISC	**VII**	**21 07 32 42.5–.54**	**44.98N–.05**	**146.21E–.04**	**209–5**	**4.0b**	**235**	**1-153**
SKHL	VII	21 07 32 41.5–1.6	44.67N	146.19E	215–3	5.0s,4.8b		**¶601453752**
MOS	VII	21 07 32 41.4–.91	45.11N	146.08E	207	4.0b,4.8b		
ISCJB	VII	21 07 32 41.7–.20	45.03N–.05	146.13E–.04	209–3	3.9b,4.8b		
JMA	VII	21 07 32 42.9–.40	44.81N	146.25E	208–4	4.0,4.8b		
IDC	VII	21 07 32 42.9–.95	45.27N	146.05E	202–10	4.2,3.8		
NEIC	VII	21 07 32 43.6–.57	45.12N	145.99E	212–6	4.0b,3.8		

ISC Event type se.

MOS Error ellipse: s-maj=10.8km s-min=6.3km az=90.6.

ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=171.2.

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

IDC Error ellipse: s-maj=20.2km s-min=9.6km az=172.0.

NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.5km az=173.0.

KRSC	**VII**	**21 16 37 34.9–1.5**	**49.74N**	**156.86E**	**15–19**	**3.7L**	
							¶604183872

KRSC Event type se.

KRSC	**VII**	**21 17 21 48.5–1.5**	**50.37N**	**156.76E**	**62–18**	**3.7L**	
							¶604183873

KRSC Event type se.

ISC	**VII**	**21 22 27 15.8–.49**	**45.58N–.05**	**149.72E–.06**	**150**	**3.9b**	**172**	**1-150**
NIED	VII	21 22 27 00	45.20N	149.80E	89	3.9W		**¶601456914**
MOS	VII	21 22 27 13.4–1.1	45.78N	149.72E	136	3.9b		
SKHL	VII	21 22 27 14.5–.20	45.66N	149.71E	124–3	5.4s,4.9b		
ISCJB	VII	21 22 27 15.0–.34	45.60N–.04	149.59E–.06	150	3.9b,4.9b		
IDC	VII	21 22 27 16.4–1.9	45.97N	149.57E	140–17	3.9,3.6		
JMA	VII	21 22 27 16.2–.50	45.19N	149.78E	129	3.7,3.6		
NEIC	VII	21 22 27 16.7–.75	46.20N	149.36E	125–7	4.3b,3.6		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s307.00000°,δ67.00000°,λ-2.00000°.
NP2:ϕ_s38.00000°,δ89.00000°,λ-157.00000°. $M_0$8.87000×10^{14}

MOS Error ellipse: s-maj=9.5km s-min=7.2km az=68.4.

ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.0km az=137.8.

IDC Error ellipse: s-maj=14.1km s-min=10.3km az=139.0.

JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.2km az=145.0.

ISC	**VII**	**22 14 26 59.7–1.1**	**46.0N–.20**	**153.9E–.20**	**20**	**3.8b**	**8**	**7-77**
IDC	VII	22 14 26 56.6–.97	45.97N	154.03E	0	3.9,3.8		**¶601664976**
ISCJB	VII	22 14 26 57.6–.89	46.1N–.10	153.8E–.20	20	3.8b,3.8		

ISC Event type ke.

ISCJB Event type ke.

ISC	**VII**	**22 16 25 00.9–2.7**	**44.26N–.10**	**148.1E–.20**	**21–5**		**26**	**1-4**
JMA	VII	22 16 25 02.3–.20	43.90N	147.81E	1	3.5		**¶603312429**
SKHL	VII	22 16 25 03.9–1.3	44.37N	147.94E	48–8	4.4b		

ISC Event type ke.

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

KRSC	**VII**	**22 16 25 38.0–1.9**	**49.99N**	**156.92E**	**49–24**	**4.1L**	
MOS	VII	22 16 25 38.0–2.3	49.99N	156.92E	49	4.1b	**¶601459505**

KRSC Event type se.

MOS Error ellipse: s-maj=37.0km s-min=5.1km az=79.8.

ISC	**VII**	**23 05 40 33.9–2.1**	**43.46N–.08**	**146.82E–.07**	**18–5**		**22**	**0-3**
SKHL	VII	23 05 40 34.6–.90	43.37N	146.80E	47–6	4.0b		**¶603312443**
JMA	VII	23 05 40 35.0–.40	43.37N	146.78E	42–4	2.9		

ISC Event type ke.

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

ISC	**VII**	**23 10 44 45.6–.38**	**47.19N–.05**	**153.58E–.04**	**49–2**	**4.6b,3.8s**	**627**	**4-155**
BJI	VII	23 10 44 44.1	47.30N	153.67E	59	4.9b,4.7b		**¶601465917**
SKHL	VII	23 10 44 45.7–.00	47.18N	153.57E	63–4	5.1b,4.2s		
MOS	VII	23 10 44 45.6–1.1	47.22N	153.40E	64	4.8b,4.2s		
ISCJB	VII	23 10 44 45.0–.49	47.28N–.03	153.40E–.04	57–4	4.6b,3.6s		
NEIC	VII	23 10 44 47.6–.31	47.28N	153.30E	64–2	4.6b,3.6s		
IDC	VII	23 10 44 48.8–2.2	47.34N	153.30E	75–20	4.4,4.3		

ISC Event type se.

MOS Error ellipse: s-maj=8.1km s-min=5.4km az=60.9.

ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=149.7.

NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.0km az=153.0.

IDC Error ellipse: s-maj=14.4km s-min=9.7km az=148.0.

ISC	**VII**	**23 11 16 20.2–.84**	**44.46N–.05**	**148.34E–.06**	**91–5**	**4.1b**	**140**	**1-82**
NIED	VII	23 11 16 00	44.00N	148.20E	74	3.7W		**¶601666306**
ISCJB	VII	23 11 16 19.8–.54	44.45N–.04	148.34E–.06	102–3	4.1b		
MOS	VII	23 11 16 20.1–.94	44.55N	148.35E	102	4.3b		
JMA	VII	23 11 16 20.2–.30	44.05N	148.20E	0	4.0		
IDC	VII	23 11 16 21.1–2.4	44.54N	148.29E	93–21	4.1,3.9		
NEIC	VII	23 11 16 21.8–.72	44.56N	148.34E	100–6	4.2b,3.9		
SKHL	VII	23 11 16 21.0–.70	44.58N	148.24E	104–3	5.2s,4.6b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s129.00000°,δ47.00000°,λ-31.00000°.
NP2:ϕ_s240.00000°,δ68.00000°,λ-133.00000°. $M_0$4.71000×10^{14}

ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=43.0.

MOS Error ellipse: s-maj=9.2km s-min=7.7km az=108.5.

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.

IDC Error ellipse: s-maj=16.9km s-min=13.6km az=140.0.

NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.4km az=147.0.

ISC	**VII**	**24 10 28 05.3–.56**	**45.34N–.07**	**151.78E–.06**	**30**	**4.0b,3.6s**	**137**	**3-83**
NIED	VII	24 10 28 00	45.80N	151.60E	17	4.0W,3.6s		**¶601506046**
ISCJB	VII	24 10 28 03.3–.37	45.41N–.05	151.74E–.05	30	4.0b,3.5s		
JMA	VII	24 10 28 04.0–.90	45.81N	151.60E	30	4.7,3.5s		
MOS	VII	24 10 28 04.9–.98	45.45N	151.76E	42	4.5b,3.5s		
SKHL	VII	24 10 28 05.5–.10	45.30N	151.84E	54–6	4.2b,3.5s		
NEIC	VII	24 10 28 06.1–.60	45.46N	151.63E	35–5	5.0b,3.5s		
IDC	VII	24 10 28 08.3–2.7	45.56N	151.54E	52–24	3.8,3.8L		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ63.00000°,λ-175.00000°.
NP2:ϕ_s154.00000°,δ86.00000°,λ-27.00000°. $M_0$1.02000×10^{15}

ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.0km az=148.2.

JMA Error ellipse: s-maj=10.0km s-min=9.3km az=-1.0.

MOS Error ellipse: s-maj=8.7km s-min=7.2km az=135.3.

NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.4km az=142.0.

IDC Error ellipse: s-maj=19.7km s-min=13.3km az=156.0.

KRSC	**VII**	**24 12 09 36.1–1.5**	**50.50N**	**157.68E**	**80–24**	**3.7L**	
							¶604183881

KRSC Event type se.

ISC	**VII**	**24 19 36 51.4–2.1**	**47.7N–.30**	**152.8E–.30**	**35**	**3.8b**	**14**	**4-77**
SKHL	VII	24 19 36 47.1–.20	47.04N	153.74E	35–1	4.4b		**¶603312466**
IDC	VII	24 19 36 56.4–1.6	49.01N	151.19E	0	3.7,3.6		

ISC Event type ke.

IDC Error ellipse: s-maj=44.3km s-min=23.2km az=150.0.

KRSC	**VII**	**24 21 41 22.7–1.7**	**49.59N**	**156.85E**	**16–25**	**3.6L**	
							¶604183882

KRSC Event type se.

KRSC	**VII**	**25 02 05 23.3–1.0**	**49.77N**	**156.76E**	**16–12**	**3.7L**	
							¶604183884

KRSC Event type se.

ISC	**VII**	**25 03 40 42.4–2.8**	**43.9N–.10**	**147.9E–.10**	**32–14**		**20**	**1-3**
JMA	VII	25 03 40 42.4–.20	43.68N	147.71E	13	3.7		**¶603312486**
SKHL	VII	25 03 40 43.7–.80	43.89N	147.86E	46–8	3.9b		

ISC Event type ke.

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

KRSC	**VII**	**25 21 41 25.0–2.1**	**49.22N**	**156.92E**	**15–10**	**3.7L**	
							¶604183887

KRSC Event type se.

KRSC	**VII**	**27 08 58 19.6–1.8**	**49.05N**	**156.49E**	**7–32**	**3.7L**	
							¶604183891

KRSC Event type se.

ISC	**VII**	**27 16 51 48.8–.56**	**45.82N–.07**	**149.51E–.07**	**149**	**3.7b**	**117**	**1-80**
NIED	VII	27 16 51 00	45.30N	149.60E	5	3.9W		**¶601506069**
ISCJB	VII	27 16 51 47.9–.40	45.97N–.05	149.44E–.07	149	3.7b		
SKHL	VII	27 16 51 48.8–.80	45.86N	149.39E	156–4	5.4s,4.8b		
MOS	VII	27 16 51 48.8–1.1	46.04N	149.41E	158	4.0b,4.8b		
JMA	VII	27 16 51 51.1–.60	45.31N	149.60E	169	3.6,4.8b		
IDC	VII	27 16 51 51.3–2.2	46.19N	149.25E	158–20	3.8,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ22.00000°,λ-101.00000°.
NP2:ϕ_s82.00000°,δ68.00000°,λ-85.00000°. $M_0$6.91000×10^{14}

ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.2km az=41.9.

MOS Error ellipse: s-maj=10.9km s-min=7.3km az=66.2.

JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.

IDC Error ellipse: s-maj=15.4km s-min=11.1km az=136.0.

ISC	**VII**	**27 17 41 55.1–.72**	**44.73N–.08**	**146.97E–.07**	**138–6**	**3.4b**	**45**	**1-82**
ISCJB	VII	27 17 41 54.0–.42	44.76N–.07	146.96E–.08	141–4	3.3b		**¶601666530**
SKHL	VII	27 17 41 54.5–1.0	43.84N	147.97E	67–4	4.2b		
IDC	VII	27 17 41 56.4–2.0	44.89N	146.83E	148–18	3.6,3.3		
JMA	VII	27 17 41 56.0–.50	44.63N	146.96E	130–5	3.2,3.3		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.9km az=143.1.

IDC Error ellipse: s-maj=19.3km s-min=12.1km az=133.0.

JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.

ISC	**VII**	**27 23 20 12.2–2.3**	**46.7N–.40**	**151.5E–.20**	**250**	**3.1b**	**9**	**14-78**
ISCJB	VII	27 23 20 11.3–2.1	46.8N–.40	151.5E–.30	250	3.2b		**¶601666542**
IDC	VII	27 23 20 11.5–10	46.78N	151.55E	240–122	3.7,3.2		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=52.1km s-min=20.8km az=164.2.

IDC Error ellipse: s-maj=91.1km s-min=30.5km az=18.0.
ISC VII 28 17 01 26.9–2.3 44.10N–.07 149.4E–.10 46–19 4.3b 76 2-145
IDC VII 28 17 01 21.9–3.0 44.65N 149.63E 0 4.2,4.2s **¶601666582**
JMA VII 28 17 01 25.3–.50 44.33N 149.36E 30 3.7,4.2s
MOS VII 28 17 01 25.2–.79 44.28N 149.43E 67 4.3b,4.2s
SKHL VII 28 17 01 26.0–.80 44.23N 149.38E 69–6 4.5b,4.2s
NEIC VII 28 17 01 30.2–2.7 44.49N 149.19E 61–26 4.7b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=82.1km s-min=30.8km az=173.0.
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
MOS Error ellipse: s-maj=16.6km s-min=10.4km az=4.2.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=17.6km az=216.0.
ISC VII 28 18 45 08.3–.53 45.31N–.07 151.87E–.05 30 4.3b,3.8s 180 3-83
NIED VII 28 18 45 00 45.70N 152.10E 23 4.0W,3.8s **¶601484771**
SKHL VII 28 18 45 04.9–.90 45.08N 152.38E 72–5 4.6b,3.8s
IDC VII 28 18 45 04.4–.89 45.42N 151.79E 0 4.1,4.0L
JMA VII 28 18 45 05.0–.70 45.66N 152.08E 30 4.1,4.0L
ISCJB VII 28 18 45 06.8–.34 45.35N–.05 151.87E–.05 30 4.3b,3.7s
NEIC VII 28 18 45 06.7–2.2 45.48N 151.82E 13–13 4.6b,3.7s
MOS VII 28 18 45 08.5–1.0 45.26N 151.87E 68 4.5b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ53.00000°,λ2.00000°. NP2:ϕ_s57.00000°,δ88.00000°,λ143.00000°. $M_0$1.03000×10^{15}
IDC Error ellipse: s-maj=22.1km s-min=15.5km az=162.0.
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=2.9km az=150.5.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.7km az=148.0.
MOS Error ellipse: s-maj=8.5km s-min=8.0km az=151.1.
ISC VII 29 16 18 46.9–1.0 44.5N–.10 147.02E–.09 148 3.0b 22 1-82
ISCJB VII 29 16 18 45.9–.75 44.48N–.10 147.02E–.09 148 2.9b **¶601666632**
IDC VII 29 16 18 46.5–7.7 44.77N 147.04E 126–86 3.3,3.3
JMA VII 29 16 18 47.3–.40 44.54N 147.05E 124 2.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.9km az=152.2.
IDC Error ellipse: s-maj=118.1km s-min=62.8km az=140.0.
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
ISC VII 30 01 29 19.3–.52 50.40N–.05 156.76E–.05 85–4 4.4b 482 1-146
KRSC VII 30 01 29 15.5–2.2 50.24N 156.97E 75–20 5.2L **¶601485564**
MOS VII 30 01 29 17.6–1.1 50.37N 156.59E 77 4.9b
BJI VII 30 01 29 17.1 50.80N 157.06E 105 4.6b,4.5b
ISCJB VII 30 01 29 19.1–.40 50.50N–.04 156.52E–.04 92–3 4.3b,4.5b
SKHL VII 30 01 29 19.3–.40 50.36N 156.77E 77–5 5.3b,4.5b
IDC VII 30 01 29 19.3–.45 50.54N 156.25E 80–4 4.2,4.1
NEIC VII 30 01 29 21.2–.57 50.61N 156.27E 97–5 4.6b,4.1
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=9.9km s-min=3.2km az=76.6. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=148.1.
SKHL Event type fe. Felt (II-III) at Severo-Kurilsk.
IDC Error ellipse: s-maj=11.0km s-min=7.4km az=131.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.6km az=149.0.
ISC VII 30 09 47 53.0–.79 45.6N–.10 151.75E–.08 100 3.6b 60 3-79
ISCJB VII 30 09 47 53.4–.71 45.8N–.10 151.7E–.10 100 3.6b **¶601650766**
SKHL VII 30 09 47 57.1–.20 46.34N 151.05E 119–5 5.1s,4.4b
MOS VII 30 09 47 57.2–1.2 45.99N 151.25E 121 4.0b,4.4b
JMA VII 30 09 47 58.7–.40 45.37N 151.33E 121 3.7,4.4b
IDC VII 30 09 47 58.0–2.9 46.36N 151.16E 129–25 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=5.0km az=150.1.
MOS Error ellipse: s-maj=28.0km s-min=11.6km az=143.1.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=46.1km s-min=23.6km az=161.0.
ISC VII 31 00 21 03.3–2.6 44.3N–.10 148.3E–.20 15–28 28 1-6
NIED VII 31 00 21 00 44.00N 148.00E 41 3.6W **¶603312557**
JMA VII 31 00 21 05.7–.30 44.01N 148.01E 0 4.1
SKHL VII 31 00 21 06.2–.20 44.35N 148.26E 35–1 4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ68.00000°,λ-163.00000°. NP2:ϕ_s135.00000°,δ75.00000°,λ-23.00000°. $M_0$2.54000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VII 31 01 35 49.9–1.2 50.17N–.08 156.74E–.07 51–11 3.8b,3.1s 111 1-89
MOS VII 31 01 35 49.8–.82 50.23N 156.53E 65 3.9b,3.1s **¶601498269**
KRSC VII 31 01 35 49.7–2.0 50.25N 157.11E 42–21 4.6L,3.1s
SKHL VII 31 01 35 51.5–.40 50.40N 156.30E 77–2 5.4b,3.1s
IDC VII 31 01 35 55.6–2.4 50.75N 156.25E 95–21 3.8,3.8
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=19.4km s-min=4.6km az=75.5. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
SKHL Event type fe. Felt (II-III) at Severo-Kurilsk.
IDC Error ellipse: s-maj=28.3km s-min=13.1km az=156.0.
ISC VII 31 13 35 42.0–2.6 44.40N–.07 148.3E–.20 29–15 39 1-6
NIED VII 31 13 35 00 44.00N 148.00E 65 3.6W **¶603070815**
MOS VII 31 13 35 41.9–.77 44.38N 148.37E 37 4.2b
SKHL VII 31 13 35 41.9–.20 44.38N 148.37E 37–3 4.0b
JMA VII 31 13 35 43.2–.30 44.03N 147.98E 0 4.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ24.00000°,λ-26.00000°. NP2:ϕ_s240.00000°,δ80.00000°,λ-112.00000°. $M_0$3.22000×10^{14}
MOS Error ellipse: s-maj=25.2km s-min=15.7km az=161.6.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VII 31 21 20 08.5–3.0 44.30N–.10 148.3E–.20 6–15 21 1-6
JMA VII 31 21 20 10.8–.40 43.94N 148.04E 0 3.5 **¶603312559**
SKHL VII 31 21 20 10.6–.80 44.34N 148.38E 49–3 4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
ISC VIII 01 06 48 50.9–2.5 44.5N–.10 146.4E–.10 166–16 24 1-3
SKHL VIII 01 06 48 51.8–.10 44.54N 146.34E 145–4 4.9s,4.3b **¶603377239**
ISCJB VIII 01 06 48 52.1–1.2 44.5N–.10 146.4E–.10 157–11 4.9s,4.3b
JMA VIII 01 06 48 52.7–.40 44.45N 146.43E 153 3.3,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.2km s-min=9.9km az=143.6.
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
ISC VIII 03 08 11 11.7–2.0 43.73N–.09 147.52E–.06 13–11 3.7b 36 1-82
JMA VIII 03 08 11 13.4–.20 43.53N 147.46E 17 3.8 **¶601765390**
SKHL VIII 03 08 11 15.0–.30 43.61N 147.54E 40–9 4.1b
IDC VIII 03 08 11 22.0–3.6 43.71N 147.33E 104–26 3.6,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=55.3km s-min=20.5km az=174.0.
ISC VIII 03 08 36 21.3–1.1 43.67N–.06 147.48E–.06 42–9 3.9b 85 1-82
NIED VIII 03 08 36 00 43.60N 147.50E 50 4.0W **¶601765392**
JMA VIII 03 08 36 18.6–.30 43.56N 147.51E 16 4.2
MOS VIII 03 08 36 19.4–1.1 43.61N 147.54E 50 4.3b
ISCJB VIII 03 08 36 19.9–.71 43.66N–.05 147.57E–.06 47–6 4.2s,3.8b
SKHL VIII 03 08 36 19.9–.10 43.56N 147.63E 50–5 4.0b,3.8b
IDC VIII 03 08 36 22.8–2.5 43.73N 147.41E 56–23 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ25.00000°,λ-52.00000°. NP2:ϕ_s300.00000°,δ71.00000°,λ-106.00000°. $M_0$1.06000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=7.9km az=79.1. Felt (II) at Malokuril'skoye. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.4km az=143.3.
SKHL Event type fe. Felt (II) at Shikotan.
IDC Error ellipse: s-maj=18.6km s-min=13.7km az=142.0.
ISC VIII 03 22 11 27.8–.81 48.93N–.06 155.61E–.06 50–7 4.2b,3.7s 220 2-90
MOS VIII 03 22 11 26.5–.94 48.96N 155.52E 52 4.4b,3.7s **¶601518052**
KRSC VIII 03 22 11 26.0–2.6 48.88N 156.78E 30–28 5.1L,3.7s
SKHL VIII 03 22 11 26.6–.40 48.78N 155.81E 50–4 4.6b,3.7s
ISCJB VIII 03 22 11 27.1–.57 49.01N–.04 155.53E–.06 54–4 4.1b,3.5s
NEIC VIII 03 22 11 29.1–.45 48.99N 155.49E 58–4 4.3b,3.5s
IDC VIII 03 22 11 31.0–2.4 49.14N 155.33E 73–21 4.0,3.9
ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=3.4km az=75.3.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.0km az=137.3.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=150.0.
IDC Error ellipse: s-maj=15.0km s-min=11.4km az=138.0.
KRSC VIII 03 22 15 51.6–2.2 49.03N 156.67E 40–26 4.1L
MOS VIII 03 22 15 51.6–2.6 49.03N 156.67E 40 4.3b **¶601518138**
KRSC Event type se.
MOS Error ellipse: s-maj=58.1km s-min=6.6km az=81.8.
ISC VIII 03 22 16 08.8–1.1 45.9N–.20 151.8E–.10 30 3.6b 13 3-79
IDC VIII 03 22 16 03.4–1.1 45.68N 151.85E 0 3.8,3.6 **¶606635074**
ISCJB VIII 03 22 16 07.8–1.3 46.0N–.20 151.8E–.20 30 3.6b,3.6
SKHL VIII 03 22 16 12.3–.60 45.17N 152.03E 30 4.5b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=27.9km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=32.6km s-min=8.3km az=144.0.
ISC VIII 04 14 50 32.4–2.2 45.3N–.20 151.9E–.20 30 3.7b 16 3-79
ISCJB VIII 04 14 50 30.8–1.5 45.4N–.20 151.8E–.20 30 3.6b **¶601765457**
SKHL VIII 04 14 50 31.7–.30 45.72N 151.82E 47–7 4.2b
IDC VIII 04 14 50 45.6–3.1 47.00N 149.96E 48–30 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.1km s-min=7.0km az=149.3.
IDC Error ellipse: s-maj=55.6km s-min=31.0km az=154.0.
ISC VIII 04 20 20 29.3–3.0 44.34N–.08 148.3E–.20 10–12 29 1-6
SKHL VIII 04 20 20 30.8–.20 44.37N 148.42E 38–1 4.4b **¶603377244**
JMA VIII 04 20 20 31.3–.30 43.96N 148.14E 0 3.9
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
KRSC VIII 05 02 15 19.0–1.5 48.08N 155.18E 89–34 4.0L
MOS VIII 05 02 15 18.9–1.6 48.08N 155.18E 89 4.2b **¶601520586**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=9.8km az=76.5.
KRSC VIII 05 15 09 50.9–.82 49.47N 156.48E 63–12 3.6L
¶604183903
KRSC Event type se.
ISC VIII 05 17 39 53.6–2.8 50.69N–.10 157.5E–.10 5–21 60 1-10
KRSC VIII 05 17 39 52.5–2.5 50.57N 157.74E 48–29 4.3L **¶601520597**
MOS VIII 05 17 39 55.5–1.3 50.66N 157.53E 45 4.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=21.5km s-min=4.5km az=79.8.
SKHL VIII 05 21 15 28.3–.20 45.45N 151.43E 40–5 4.1b
JMA VIII 05 21 15 28.3–.70 45.63N 151.47E 30 4.0 **¶603377248**
JMA Error ellipse: s-maj=7.8km s-min=7.8km az=-1.0.
ISC VIII 05 23 27 03.4–1.4 48.3N–.20 154.4E–.20 200 3.3b 32 3-74
KRSC VIII 05 23 26 58.3–2.4 47.81N 155.04E 180–46 4.5L **¶601520603**
MOS VIII 05 23 27 01.7–1.2 48.40N 153.81E 179 4.6b
IDC VIII 05 23 27 01.1–5.2 48.28N 153.32E 142–60 3.6,3.3
ISCJB VIII 05 23 27 03.0–.83 48.4N–.10 154.1E–.20 200 3.1b,3.3
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC VIII 06 19 42 27.4–1.0 49.90N 156.71E 24–22 3.7L
¶604183904
KRSC Event type se.
ISC VIII 07 11 33 56.8–2.5 43.59N–.09 147.36E–.09 26–19 25 0-3
JMA VIII 07 11 33 56.5–.20 43.48N 147.30E 23 3.1 **¶603377250**
SKHL VIII 07 11 33 58.2–.20 43.58N 147.37E 36–1 4.0b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC VIII 07 19 23 40.5–.56 46.10N–.07 152.57E–.06 41 4.0b,3.1s 135 3-149
NIED VIII 07 19 23 00 46.40N 152.50E 5 4.1W,3.1s **¶601765620**
ISCJB VIII 07 19 23 39.7–.37 46.23N–.04 152.48E–.05 41 3.9b,3.2s
JMA VIII 07 19 23 41.1–.60 46.42N 152.48E 30 4.9,3.2s
MOS VIII 07 19 23 42.5–1.3 46.35N 152.31E 69 4.3b,3.2s
SKHL VIII 07 19 23 42.2–.20 46.10N 152.60E 75–5 4.6b,3.2s
IDC VIII 07 19 23 46.7–2.4 46.58N 152.19E 82–21 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ51.00000°,λ167.00000°. NP2:ϕ_s312.00000°,δ80.00000°,λ40.00000°. $M_0$1.44000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.2km az=144.0.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=56.1.
IDC Error ellipse: s-maj=20.7km s-min=12.4km az=143.0.
ISC VIII 07 20 32 29.9–1.2 48.5N–.10 155.80E–.10 35 3.4b 56 2-75
MOS VIII 07 20 32 31.5–2.7 48.70N 156.48E 40 4.3b **¶601531880**
KRSC VIII 07 20 32 31.5–2.0 48.70N 156.48E 40–25 4.2L
IDC VIII 07 20 32 34.4–3.6 48.81N 155.14E 69–30 3.5,3.4L
ISC Event type se.
MOS Error ellipse: s-maj=28.9km s-min=5.8km az=81.9.
KRSC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=25.6km az=159.0.
ISC VIII 07 20 47 51.7–1.9 43.25N–.07 147.60E–.06 28–12 4.0b,3.1s 67 1-86
NIED VIII 07 20 47 00 43.20N 147.50E 47 3.8W,3.1s **¶601765623**
JMA VIII 07 20 47 51.9–.20 43.21N 147.51E 29 4.1,3.1s
SKHL VIII 07 20 47 52.9–.80 43.26N 147.62E 54–1 4.5b,3.1s
MOS VIII 07 20 47 53.0–2.0 43.20N 147.60E 55 4.3b,3.1s
IDC VIII 07 20 47 56.5–4.6 43.76N 147.52E 50–29 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ51.00000°,λ38.00000°. NP2:ϕ_s57.00000°,δ61.00000°,λ134.00000°. $M_0$4.86000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=19.3km s-min=10.4km az=126.1.
IDC Error ellipse: s-maj=71.4km s-min=24.0km az=167.0.
ISC VIII 08 09 32 20.6–3.3 44.38N–.10 148.5E–.20 55 28 1-6
JMA VIII 08 09 32 22.3–.30 43.98N 148.15E 0 3.7 **¶603377252**
SKHL VIII 08 09 32 22.3–.30 44.44N 148.35E 34–2 4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VIII 08 16 16 30.9–1.8 43.47N–.08 146.53E–.07 73–12 26 0-2
ISCJB VIII 08 16 16 30.4–.00 43.47N–.07 146.53E–.07 74–8 **¶603377254**
JMA VIII 08 16 16 30.7–.20 43.38N 146.52E 73–2 2.8
SKHL VIII 08 16 16 31.1–.70 43.48N 146.49E 79–2 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.9km az=149.3.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
KRSC VIII 08 18 57 47.1–1.7 50.36N 157.29E 41–23 4.0L
MOS VIII 08 18 57 47.0–2.5 50.36N 157.29E 41 4.2b **¶601533180**
KRSC Event type se.
MOS Error ellipse: s-maj=30.5km s-min=5.4km az=82.0.
ISC VIII 08 19 10 11.4–1.3 50.21N–.09 156.91E–.06 48–15 3.2b 89 1-76
IDC VIII 08 19 10 05.7–1.4 49.96N 157.11E 0 3.7,3.4 **¶601533181**
MOS VIII 08 19 10 10.8–1.1 50.23N 156.61E 59 4.6b,3.4
ISCJB VIII 08 19 10 11.8–.76 50.31N–.07 156.7E–.10 68–8 3.0b,3.4
KRSC VIII 08 19 10 11.6–2.3 50.33N 157.20E 50–20 4.5L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=74.7km s-min=27.8km az=115.0.
MOS Event type fe. Error ellipse: s-maj=16.7km s-min=4.1km az=75.9. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=5.5km az=44.8.
KRSC Event type se.
ISC VIII 09 00 22 16.5–2.0 49.2N–.20 154.5E–.10 50 3.4b 55 2-75
IDC VIII 09 00 22 11.2–1.9 49.34N 154.19E 0 3.7,3.4 **¶601534330**
KRSC VIII 09 00 22 13.7–2.4 49.31N 154.38E 78–30 3.9L,3.4
MOS VIII 09 00 22 20.1–1.1 49.74N 154.39E 78 4.1b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=23.2km az=151.0.

KRSC Event type se.
MOS Error ellipse: s-maj=32.3km s-min=5.1km az=65.6.
ISC VIII 09 08 10 57.2–.54 45.17N–.05 150.52E–.04 49–4 4.5b,3.9s 459 2-152
NIED VIII 09 08 10 00 45.30N 150.70E 38 4.6W,3.9s **¶601534331**
BJI VIII 09 08 10 53.3 45.13N 150.77E 43 4.9b,4.8b
JMA VIII 09 08 10 54.4–.50 45.33N 150.67E 30 5.0,4.8b
ISCJB VIII 09 08 10 56.8–.47 45.15N–.03 150.40E–.03 57–4 4.6b,3.9s
MOS VIII 09 08 10 56.7–1.0 45.18N 150.37E 57 4.8b,3.9s
NEIC VIII 09 08 10 56.5–.16 45.28N 150.39E 35 4.6b,3.9s
SKHL VIII 09 08 10 56.2–.50 45.22N 150.60E 66–1 5.1b,3.9s
IDC VIII 09 08 10 58.2–2.2 45.32N 150.39E 53–19 4.4,4.3L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ33.00000°,λ126.00000°. NP2:ϕ_s24.00000°,δ64.00000°,λ69.00000°. $M_0$8.00000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=153.3.
MOS Error ellipse: s-maj=6.2km s-min=5.7km az=99.2.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.9km az=157.0.
IDC Error ellipse: s-maj=12.9km s-min=9.3km az=145.0.
KRSC VIII 09 14 44 18.3–1.3 48.38N 155.51E 150–21 4.2L
MOS VIII 09 14 44 18.2–1.4 48.38N 155.51E 150 4.3b **¶601534333**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=8.0km az=76.7.
KRSC VIII 10 01 58 34.9–1.7 48.73N 155.40E 146–36 4.1L
MOS VIII 10 01 58 34.9–1.3 48.72N 155.40E 146 4.2b **¶601551756**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=9.5km az=75.2.
ISC VIII 10 23 48 50.0–2.2 44.43N–.08 148.1E–.10 2–15 36 1-65
NIED VIII 10 23 48 00 44.00N 147.90E 26 3.5W **¶603070824**
SKHL VIII 10 23 48 51.9–.40 44.33N 148.41E 48–1 4.1b
MOS VIII 10 23 48 52.0–2.2 44.30N 148.40E 44 4.1b
JMA VIII 10 23 48 52.7–.60 43.97N 147.95E 0 4.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s140.00000°,δ59.00000°,λ-22.00000°. NP2:ϕ_s241.00000°,δ72.00000°,λ-147.00000°. $M_0$2.02000×10^{14}
MOS Error ellipse: s-maj=22.8km s-min=14.5km az=148.9.
JMA Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
ISC VIII 11 05 08 40.6–.92 50.46N–.08 157.19E–.07 113–7 3.5b 96 1-77
MOS VIII 11 05 08 40.0–1.3 50.45N 157.04E 120 4.5b **¶601553222**
KRSC VIII 11 05 08 40.6–2.3 50.50N 157.44E 100–25 4.5L
IDC VIII 11 05 08 44.0–2.1 50.82N 156.68E 134–19 3.7,3.5
ISC Event type se.
MOS Error ellipse: s-maj=15.1km s-min=4.4km az=74.4.
KRSC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=12.3km az=150.0.
KRSC VIII 11 17 59 51.2–.99 49.61N 156.71E 14–14 3.5L
¶604183908
KRSC Event type se.
ISC VIII 11 23 41 01.6–.67 44.51N–.04 149.38E–.04 41–5 4.7b,3.9s 531 1-152
NIED VIII 11 23 40 00 44.80N 149.60E 29 4.5W,3.9s **¶601551809**
BJI VIII 11 23 40 57.6 44.58N 149.80E 40 4.9b,4.9b
JMA VIII 11 23 40 58.4–.60 44.77N 149.58E 30 4.8,4.9b
SKHL VIII 11 23 40 59.6–.60 44.43N 149.65E 44–3 5.3b,4.1s
ISCJB VIII 11 23 41 00.5–.42 44.54N–.03 149.37E–.03 43–3 4.7b,3.9s
MOS VIII 11 23 41 00.6–1.1 44.50N 149.36E 45 5.0b,3.9s
NEIC VIII 11 23 41 02.9–.47 44.56N 149.30E 51–4 4.7b,3.9s
IDC VIII 11 23 41 03.4–2.2 44.69N 149.30E 52–19 4.5,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s213.00000°,δ34.00000°,λ102.00000°. NP2:ϕ_s18.00000°,δ57.00000°,λ82.00000°. $M_0$5.38000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.1km az=149.7.
MOS Error ellipse: s-maj=6.0km s-min=4.8km az=112.2.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=156.0.
IDC Error ellipse: s-maj=14.9km s-min=10.0km az=154.0.
KRSC VIII 12 01 15 40.6–.78 49.91N 156.95E 19–17 3.7L
¶604183910
KRSC Event type se.
ISC VIII 12 11 59 14.8–.57 47.66N–.08 153.01E–.07 150 4.1b 188 4-78
MOS VIII 12 11 59 13.8–.97 47.78N 152.95E 148 4.0b **¶601553252**
ISCJB VIII 12 11 59 13.6–.25 47.72N–.04 152.92E–.06 150 4.0b
SKHL VIII 12 11 59 14.7–.10 47.67N 152.96E 136–11 5.3s,5.0b
IDC VIII 12 11 59 15.8–2.0 47.88N 152.88E 150–17 4.2s,4.2
NEIC VIII 12 11 59 15.1–.58 47.85N 152.88E 141–5 4.2b,4.2
JMA VIII 12 11 59 16.7–.50 46.34N 153.51E 179 3.7,4.2
ISC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=6.6km az=62.3.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.5km az=140.5.
IDC Error ellipse: s-maj=17.9km s-min=10.5km az=155.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.4km az=153.0.
JMA Error ellipse: s-maj=7.8km s-min=6.1km az=-1.0.
KRSC VIII 13 18 04 41.1–1.6 50.02N 155.39E 247–9 3.7L
¶604183913
KRSC Event type se.
ISC VIII 14 08 03 02.0–2.7 44.5N–.10 146.7E–.10 188–17 25 1-4
SKHL VIII 14 08 02 59.7–.20 45.62N 145.60E 122–8 5.1s,4.6b **¶603377269**
ISCJB VIII 14 08 03 02.9–1.3 44.5N–.10 146.7E–.10 181–9 5.1s,4.6b
JMA VIII 14 08 03 05.3–.40 44.62N 146.58E 155 2.8,4.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=7.9km az=145.5.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
KRSC VIII 14 16 17 27.8–1.7 49.92N 156.89E 44–17 3.7L
¶604183915
KRSC Event type se.
KRSC VIII 14 17 37 59.6–1.6 50.11N 156.12E 115–11 3.8L
¶604183916
KRSC Event type se.
ISC VIII 15 00 21 55.6–1.8 46.9N–.30 153.5E–.20 31 3.9b 12 8-83
IDC VIII 15 00 21 51.2–1.9 46.95N 153.53E 0 4.0,3.9 **¶601765860**
ISCJB VIII 15 00 21 53.9–1.5 46.9N–.30 153.4E–.30 31 3.8b,2.5s
ISC Event type ke.
ISCJB Event type ke.
KRSC VIII 15 05 29 10.6–1.4 50.71N 157.67E 47–19 3.6L
¶604183917
KRSC Event type se.
ISC VIII 16 11 00 21.7–3.8 44.39N–.09 149.9E–.20 36 43 2-8
NIED VIII 16 11 00 00 44.80N 149.50E 23 3.6W **¶603377275**
JMA VIII 16 11 00 25.8–.80 44.78N 149.47E 30 4.0
SKHL VIII 16 11 00 26.3–.30 44.48N 149.59E 43–3 4.2b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ33.00000°,λ127.00000°. NP2:ϕ_s4.00000°,δ65.00000°,λ69.00000°. $M_0$2.93000×10^{14}
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
KRSC VIII 17 07 16 55.5–1.2 49.12N 156.76E 51–25 4.1L
MOS VIII 17 07 16 55.5–2.0 49.12N 156.76E 51 4.3b **¶601605972**
KRSC Event type se.
MOS Error ellipse: s-maj=67.1km s-min=8.6km az=83.7.
ISC VIII 18 19 10 52.0–1.7 47.2N–.30 153.0E–.60 35 3.5b 6 7-77
ISCJB VIII 18 19 10 49.5–1.4 47.3N–.30 152.8E–.80 33 3.5b **¶601766094**
IDC VIII 18 19 10 55.7–4.7 47.93N 151.62E 90–54 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=87.1km s-min=16.2km az=27.3.
IDC Error ellipse: s-maj=198.7km s-min=21.9km az=127.0.
ISC VIII 19 12 02 22.3–3.8 44.80N–.08 149.7E–.20 60 53 1-9
MOS VIII 19 12 02 27.5–1.2 44.90N 149.30E 39 4.3b **¶603070826**
SKHL VIII 19 12 02 27.5–.20 44.86N 149.28E 46–3 4.2b
JMA VIII 19 12 02 28.0–.80 45.05N 149.09E 30 4.1
ISC Event type ke.
MOS Error ellipse: s-maj=56.8km s-min=19.4km az=157.0.
JMA Error ellipse: s-maj=5.6km s-min=7.1km az=-1.0.
ISC VIII 19 12 25 54.9–.70 46.33N–.09 150.01E–.09 162 3.3b 48 2-80
ISCJB VIII 19 12 25 54.0–.54 46.38N–.07 150.0E–.10 162 3.4b **¶601766151**
MOS VIII 19 12 25 55.4–1.2 46.40N 149.85E 185 4.1b
SKHL VIII 19 12 25 55.8–.50 46.18N 150.00E 165–1 5.4s,4.6b
IDC VIII 19 12 25 58.1–2.1 46.51N 149.74E 191–20 3.8s,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=4.9km az=43.3.
MOS Error ellipse: s-maj=18.5km s-min=9.6km az=60.4.
IDC Error ellipse: s-maj=18.7km s-min=13.9km az=139.0.
KRSC VIII 19 15 07 00.7–1.7 49.45N 156.25E 57–26 3.6L
¶604183922
KRSC Event type se.
KRSC VIII 20 01 12 28.0–.78 49.41N 155.72E 160–9 3.8L
¶604183925
KRSC Event type se.
ISC VIII 20 03 10 21.2–3.0 44.3N–.10 148.2E–.20 29–24 19 1-4
JMA VIII 20 03 10 23.0–.40 43.95N 147.79E 0 3.9 **¶603377283**
SKHL VIII 20 03 10 23.4–.90 44.31N 148.11E 39–2 4.4b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC VIII 20 05 11 24.7–.55 45.17N–.07 151.09E–.05 42 4.1b,3.5s 118 2-151
NIED VIII 20 05 11 00 45.50N 150.90E 8 4.1W,3.5s **¶601614470**
ISCJB VIII 20 05 11 23.6–.43 45.27N–.05 151.05E–.05 42 4.0b,3.3s
MOS VIII 20 05 11 25.4–.71 45.35N 150.95E 56 4.4b,3.3s
JMA VIII 20 05 11 25.1–.40 45.50N 150.88E 30 4.8,3.3s
SKHL VIII 20 05 11 25.5–.90 45.13N 151.10E 62–2 4.5b,3.3s
IDC VIII 20 05 11 27.6–2.6 45.41N 150.88E 57–22 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ16.00000°,λ124.00000°. NP2:ϕ_s19.00000°,δ77.00000°,λ81.00000°. $M_0$1.58000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.5km az=145.6.
MOS Error ellipse: s-maj=10.3km s-min=8.4km az=136.9.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=13.6km az=136.0.
ISC VIII 20 05 53 39.2–1.1 50.43N–.07 157.83E–.06 78–9 3.8b 140 1-145
ISCJB VIII 20 05 53 39.7–.62 50.52N–.05 157.62E–.08 94–4 3.8b **¶601610462**
MOS VIII 20 05 53 39.1–.86 50.46N 157.65E 90 4.1b
KRSC VIII 20 05 53 39.0–2.4 50.52N 157.94E 80–32 4.8L
IDC VIII 20 05 53 42.9–1.9 50.68N 157.27E 104–15 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.6km az=44.6.
MOS Error ellipse: s-maj=12.0km s-min=3.5km az=81.1.
KRSC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=11.9km az=144.0.
ISC VIII 20 08 24 31.8–2.0 43.46N–.09 146.80E–.08 33–4 21 0-3
JMA VIII 20 08 24 29.7–.30 43.34N 146.90E 38–4 3.2 **¶603377285**
ISCJB VIII 20 08 24 30.9–1.1 43.44N–.07 146.84E–.08 41–21 3.2
SKHL VIII 20 08 24 31.7–.10 43.45N 146.79E 40–4 4.1b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.2km az=144.0.
ISC VIII 20 11 07 38.5–2.2 43.71N–.08 147.57E–.07 7–11 40 1-4
NIED VIII 20 11 07 00 43.60N 147.40E 65 3.6W **¶603070827**
JMA VIII 20 11 07 41.6–.30 43.57N 147.41E 14–4 3.6
MOS VIII 20 11 07 42.0–.62 43.70N 147.60E 37 4.1b
SKHL VIII 20 11 07 42.3–.70 43.66N 147.57E 43–5 4.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ77.00000°,λ0.00000°. NP2:ϕ_s244.00000°,δ90.00000°,λ-167.00000°. $M_0$2.62000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=34.6km s-min=21.0km az=24.3.
ISC VIII 20 17 44 34.2–.50 45.01N–.06 151.65E–.06 36 4.5b,3.8s 274 3-149
NIED VIII 20 17 44 00 45.40N 151.60E 20 4.3W,3.8s **¶601582287**
BJI VIII 20 17 44 29.5 45.39N 151.90E 20 4.8b,4.7b
IDC VIII 20 17 44 30.4–.54 45.34N 151.48E 0 4.3,4.2
SKHL VIII 20 17 44 32.5–.80 44.97N 151.83E 44–2 4.7b,4.7s
JMA VIII 20 17 44 33.0–.60 45.39N 151.62E 30 4.9,4.7s
ISCJB VIII 20 17 44 33.4–.29 45.07N–.04 151.55E–.04 36 4.4b,3.8s
MOS VIII 20 17 44 34.3–1.1 45.24N 151.50E 40 4.7b,3.8s
NEIC VIII 20 17 44 35.0–2.1 45.24N 151.55E 33–14 4.7b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ29.00000°,λ50.00000°. NP2:ϕ_s48.00000°,δ68.00000°,λ110.00000°. $M_0$3.56000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=12.1km az=133.0.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.6km az=148.9.
MOS Error ellipse: s-maj=7.2km s-min=6.0km az=109.8.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.4km az=135.0.
KRSC VIII 20 21 57 51.0–.95 49.95N 156.96E 21–26 3.9L
¶604183926
KRSC Event type se.
ISC VIII 21 02 49 58.8–2.2 46.4N–.30 153.4E–.20 24 3.6b 7 7-77
IDC VIII 21 02 49 54.4–2.9 46.28N 153.42E 0 3.7,3.6 **¶601766233**
ISC Event type ke.
IDC Error ellipse: s-maj=71.9km s-min=40.9km az=179.0.
ISC VIII 21 04 38 19.1–.00 45.60N–.10 151.47E–.10 50 3.7b 59 3-79
IDC VIII 21 04 38 11.8–1.3 45.87N 151.70E 0 3.8,3.7 **¶601766235**
ISCJB VIII 21 04 38 17.7–.70 45.66N–.08 151.43E–.10 50 3.7b,3.5s
MOS VIII 21 04 38 18.3–1.2 45.78N 151.37E 55 4.1b,3.5s
SKHL VIII 21 04 38 18.0–.50 45.57N 151.56E 61–6 4.2b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=46.2km s-min=22.5km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.3km az=139.8.
MOS Error ellipse: s-maj=14.9km s-min=13.1km az=135.2.
KRSC VIII 21 09 46 19.2–1.1 48.37N 155.54E 86–22 3.9L
¶604183927
KRSC Event type se.
ISC VIII 21 21 29 39.6–.82 44.40N–.05 148.15E–.05 57–6 4.4b,3.5s 348 1-151
NIED VIII 21 21 29 00 44.10N 148.00E 50 4.3W,3.5s **¶601606019**
BJI VIII 21 21 29 37.9 44.37N 148.52E 79 4.8b,4.7b
JMA VIII 21 21 29 38.4–.30 44.11N 148.00E 0 4.7,4.7b
MOS VIII 21 21 29 38.6–.92 44.41N 148.18E 65 4.7b,4.7b
ISCJB VIII 21 21 29 39.1–.43 44.43N–.03 148.14E–.04 65–3 4.4b,4.7b
SKHL VIII 21 21 29 40.4–.10 44.39N 148.13E 72–7 5.1b,4.7b
NEIC VIII 21 21 29 41.3–.51 44.46N 148.07E 71–4 4.5b,4.7b
IDC VIII 21 21 29 41.2–1.9 44.52N 148.07E 71–16 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ15.00000°,λ108.00000°. NP2:ϕ_s33.00000°,δ76.00000°,λ85.00000°. $M_0$3.70000×10^{15}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=6.3km az=59.4. Felt (II-III) at Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.3km az=141.8.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.2km az=153.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=12.8km s-min=9.3km az=151.0.
ISC VIII 22 02 28 54.5–1.2 49.03N–.09 156.0E–.10 34 3.4b 70 2-83
IDC VIII 22 02 28 47.5–1.8 48.62N 155.48E 0 3.7,3.5 **¶601614637**
MOS VIII 22 02 28 54.9–3.0 49.12N 156.78E 31 4.4b,3.5
KRSC VIII 22 02 28 54.9–2.1 49.12N 156.78E 31–27 4.3L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=23.2km az=167.0.
MOS Error ellipse: s-maj=29.6km s-min=4.9km az=81.6.
KRSC Event type se.
ISC VIII 22 02 42 27.3–1.9 43.27N–.08 146.18E–.07 41–16 22 0-2
SKHL VIII 22 02 42 26.4–.30 43.20N 146.22E 44–3 4.3b **¶603377289**
ISCJB VIII 22 02 42 27.1–1.1 43.27N–.06 146.17E–.07 43–13 4.3b
JMA VIII 22 02 42 27.8–.10 43.24N 146.07E 46–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.8km az=146.5.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
KRSC VIII 22 05 22 44.8–1.8 49.60N 156.74E 64–29 4.1L

MOS VIII 22 05 22 44.7–1.8 49.60N 156.74E 65 4.2b ¶601614640
KRSC Event type se.
MOS Error ellipse: s-maj=51.3km s-min=7.6km az=81.6.
ISC VIII 22 19 37 07.7–.78 48.46N–.08 155.76E–.08 37–1 4.1b,3.2s 122 2-86
IDC VIII 22 19 37 02.9–.75 48.49N 155.42E 0 4.0,3.9 ¶601614664
KRSC VIII 22 19 37 04.7–2.3 48.37N 156.18E 131–42 4.5L,3.9
ISCJB VIII 22 19 37 05.3–1.2 48.46N–.05 155.7E–.10 32–9 4.1b,3.1s
NEIC VIII 22 19 37 08.9–1.4 48.56N 155.46E 41–11 4.7b,3.1s
SKHL VIII 22 19 37 08.0–.10 48.49N 155.88E 60–4 4.5b,3.1s
MOS VIII 22 19 37 11.1–1.1 48.74N 156.06E 95 4.0b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.4km az=122.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=3.7km az=35.5.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=9.9km az=131.0.
MOS Error ellipse: s-maj=17.7km s-min=5.1km az=81.0.
ISC VIII 22 20 33 58.9–.68 48.37N–.07 155.97E–.08 35 4.2b,3.2s 156 2-83
MOS VIII 22 20 33 57.7–3.3 48.41N 156.82E 40 4.2b,3.2s ¶601614665
SKHL VIII 22 20 33 57.4–.20 48.26N 156.21E 50–3 4.8b,3.2s
KRSC VIII 22 20 33 57.7–1.7 48.41N 156.82E 40–44 4.5L,3.2s
ISCJB VIII 22 20 33 58.0–.46 48.49N–.05 155.71E–.09 33 4.0b,3.2s
IDC VIII 22 20 34 01.2–2.6 48.55N 155.49E 43–24 4.0,3.9
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=4.2km az=79.5.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=2.8km az=38.8.
IDC Error ellipse: s-maj=19.4km s-min=13.1km az=134.0.
ISC VIII 23 06 27 09.5–1.7 49.3N–.20 155.0E–.20 150 3.1b 50 2-48
IDC VIII 23 06 26 59.3–29 48.27N 154.88E 99–159 3.4,3.2 ¶601615815
MOS VIII 23 06 27 10.1–1.8 49.28N 155.47E 161 4.4b,3.2
KRSC VIII 23 06 27 10.2–1.5 49.28N 155.47E 160–14 4.3L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=367.1km s-min=26.4km az=170.0.
MOS Error ellipse: s-maj=39.8km s-min=7.1km az=73.0.
KRSC Event type se.
KRSC VIII 23 09 37 49.0–1.0 49.09N 156.28E 6–14 3.8L
¶604183931
KRSC Event type se.
ISC VIII 23 11 04 48.1–.47 43.57N–.04 147.10E–.04 56–3 4.4b,3.5s 384 0-152
NIED VIII 23 11 04 00 43.40N 147.00E 56 4.3W,3.5s ¶601614683
ISCJB VIII 23 11 04 47.5–.39 43.53N–.03 147.09E–.03 64–3 4.5b,3.5s
BJI VIII 23 11 04 47.7 43.57N 147.00E 59 5.0b,4.6b
MOS VIII 23 11 04 47.2–.82 43.56N 147.14E 62 4.9b,4.6b
SKHL VIII 23 11 04 48.9–.10 43.57N 147.11E 68–1 5.6b,3.9s
IDC VIII 23 11 04 48.2–.73 43.55N 147.14E 57–6 4.4,4.3
JMA VIII 23 11 04 48.1–.20 43.38N 147.05E 51–4 4.2,4.3
NEIC VIII 23 11 04 48.9–.40 43.56N 147.10E 61–3 4.4b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ42.00000°,λ38.00000°. NP2:ϕ_s59.00000°,δ65.00000°,λ126.00000°. M_o3.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.2km az=155.0.
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=5.1km az=111.8. Felt (III-IV) at Malokuril'skoye; (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt(II-III)at Yushno-Kurilsk;(III-IV) at Malokurilskoe.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=162.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.6km az=164.0. Recorded [2 JMA] in eastern Hokkaido.
ISC VIII 23 12 37 36.2–2.1 43.05N–.08 146.09E–.05 9–11 23 0-3
ISCJB VIII 23 12 37 38.2–1.3 43.09N–.06 146.16E–.06 25–7 ¶603377292
JMA VIII 23 12 37 38.1–.20 43.04N 146.19E 36–2 2.6
SKHL VIII 23 12 37 39.1–.70 43.07N 146.10E 33–1 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.4km az=154.8.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VIII 24 09 26 45.5–1.1 50.95N–.07 157.77E–.06 66–12 64 1-55
KRSC VIII 24 09 26 44.2–1.8 51.00N 157.79E 80–22 4.3L ¶601626179
ISCJB VIII 24 09 26 45.8–.84 51.01N–.07 157.7E–.10 76–7 3.9b
MOS VIII 24 09 26 45.2–.50 50.94N 157.72E 75 3.9b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=5.6km az=42.1.
MOS Error ellipse: s-maj=19.1km s-min=5.7km az=80.0.
ISC VIII 24 21 42 25.1–2.7 44.31N–.10 148.2E–.20 14–13 22 1-4
JMA VIII 24 21 42 27.3–.40 43.93N 147.94E 0 3.5 ¶603377294
SKHL VIII 24 21 42 28.5–.20 44.42N 148.21E 38–1 3.9b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
KRSC VIII 25 06 59 26.8–1.2 49.70N 156.59E 80–31 3.8L
¶604183936
KRSC Event type se.
ISC VIII 25 08 36 55.9–1.9 43.46N–.09 147.18E–.09 46–23 36 0-4
ISCJB VIII 25 08 36 55.5–.92 43.48N–.06 147.13E–.07 55–12 ¶603377297
JMA VIII 25 08 36 55.9–.20 43.41N 147.10E 44–5 3.5
SKHL VIII 25 08 36 55.8–.50 43.41N 147.19E 42–3 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.5km az=149.6.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC VIII 25 15 42 12.8–.61 44.92N–.07 146.61E–.05 196–5 3.4b 73 1-84
ISCJB VIII 25 15 42 12.1–.33 44.92N–.06 146.66E–.06 200–3 3.3b ¶601766448
MOS VIII 25 15 42 12.1–1.0 45.11N 146.46E 199 3.9b
SKHL VIII 25 15 42 12.1–1.1 44.92N 146.66E 187–8 4.7s,4.1b
JMA VIII 25 15 42 14.7–.40 44.80N 146.62E 190 3.2,4.1b
IDC VIII 25 15 42 14.6–1.1 45.16N 146.42E 205–11 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.5km az=152.9.
MOS Error ellipse: s-maj=17.4km s-min=9.9km az=73.9.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=11.2km az=152.0.
KRSC VIII 26 06 37 11.5–1.3 49.15N 156.20E 41–18 3.8L
¶604183939
KRSC Event type se.
KRSC VIII 26 18 09 38.5–4.5 49.15N 156.64E 6–64 3.6L
¶604183940
KRSC Event type se.
ISC VIII 27 04 00 21.6–.69 46.8N–.10 152.68E–.09 67 4.1b 52 7-144
ISCJB VIII 27 04 00 20.0–.44 46.80N–.07 152.74E–.09 67 3.9b ¶601734399
NEIC VIII 27 04 00 22.0–.76 46.82N 152.71E 69–6 4.2b
IDC VIII 27 04 00 22.8–2.6 46.83N 152.72E 75–23 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.4km az=144.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.2km az=145.0.
IDC Error ellipse: s-maj=17.8km s-min=12.6km az=142.0.
ISC VIII 27 06 37 26.9–.94 48.74N–.06 155.19E–.05 47–8 4.5b 350 2-155
MOS VIII 27 06 37 24.9–2.7 48.59N 155.92E 76 4.7b ¶601627734
KRSC VIII 27 06 37 24.9–2.4 48.59N 155.92E 76–37 5.0L
SKHL VIII 27 06 37 26.1–.50 48.67N 155.27E 68–3 4.7b
IDC VIII 27 06 37 31.7–1.9 48.95N 154.81E 88–16 4.6s,4.6
NEIC VIII 27 06 37 31.6–.53 49.00N 154.85E 81–4 4.4b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=3.3km az=76.0.
KRSC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=9.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=152.0.
KRSC VIII 27 19 51 00.3–.92 50.05N 157.04E 85–14 3.7L
¶604183941
KRSC Event type se.
ISC VIII 28 07 45 13.3–3.6 45.8N–.10 149.6E–.20 149 30 1-9
JMA VIII 28 07 45 11.9–.50 45.53N 149.92E 156 3.7 ¶603377349
SKHL VIII 28 07 45 11.5–.40 45.88N 149.53E 160–9 5.0s,4.4b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
KRSC VIII 29 10 48 48.5–1.2 49.21N 156.07E 56–22 3.9L
¶604183948
KRSC Event type se.
KRSC VIII 30 05 21 13.6–.47 50.02N 156.96E 25–16 3.5L
¶604183949
KRSC Event type se.
ISC VIII 30 19 04 32.3–1.8 49.0N–.10 155.9E–.10 34 3.5b 58 2-75
IDC VIII 30 19 04 19.9–9.6 48.54N 154.52E 0 3.9,3.5 ¶601664767
MOS VIII 30 19 04 33.9–2.5 49.19N 156.47E 40 4.4b,3.5
KRSC VIII 30 19 04 34.0–1.8 49.19N 156.47E 40–17 4.3L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=252.0km s-min=65.4km az=90.0.
MOS Error ellipse: s-maj=55.2km s-min=5.7km az=78.8.
KRSC Event type se.
KRSC VIII 30 22 37 52.0–1.2 50.59N 157.69E 40–18 3.8L
¶604183951
KRSC Event type se.
ISC VIII 31 00 02 18.6–2.6 44.9N–.20 148.4E–.20 132 16 0-6
SKHL VIII 31 00 02 19.9–.20 45.01N 148.28E 127–2 4.7s,4.2b ¶603377356
JMA VIII 31 00 02 20.7–.60 44.68N 148.35E 125 3.5,4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=6.3km az=-1.0.
KRSC VIII 31 00 12 39.2–1.1 49.67N 156.77E 65–27 3.7L
¶604183952
KRSC Event type se.
KRSC VIII 31 00 26 23.1–1.8 49.28N 156.66E 6–23 3.7L
¶604183953
KRSC Event type se.
KRSC VIII 31 04 23 22.9–2.1 49.19N 156.83E 48–33 3.7L
¶604183954
KRSC Event type se.
KRSC VIII 31 09 59 59.2–2.1 49.26N 155.94E 69–27 4.2L
¶604183955
KRSC Event type se.
ISC VIII 31 14 13 23.3–2.1 43.5N–.10 146.78E–.08 40–24 19 0-2
ISCJB VIII 31 14 13 22.9–1.1 43.48N–.07 146.78E–.07 49–11 ¶603377357
JMA VIII 31 14 13 22.3–.40 43.35N 146.81E 41–4 2.9
SKHL VIII 31 14 13 23.5–.70 43.42N 146.80E 46–9 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=7.2km az=151.3.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
KRSC VIII 31 17 17 59.2–1.1 50.43N 157.06E 31–16 3.6L
¶604183957
KRSC Event type se.
ISC VIII 31 22 33 02.8–1.2 48.7N–.20 153.9E–.10 150 3.6b 46 2-82
ISCJB VIII 31 22 33 01.6–1.0 48.6N–.10 153.7E–.20 150 3.6b ¶601670015
MOS VIII 31 22 33 04.5–1.5 48.03N 156.73E 78 4.5b
KRSC VIII 31 22 33 04.5–2.2 48.03N 156.73E 78–54 4.5L
IDC VIII 31 22 33 10.4–4.2 49.47N 153.33E 193–27 3.8,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=8.1km az=142.3.
MOS Error ellipse: s-maj=99.9km s-min=7.5km az=81.4.
KRSC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=18.4km az=179.0.
ISC IX 01 13 07 33.9–.65 47.27N–.08 153.69E–.08 59 4.0b 72 4-83
SKHL IX 01 13 07 31.1–.70 45.80N 154.60E 41–1 4.6b ¶605299924
ISCJB IX 01 13 07 32.7–.46 47.37N–.06 153.49E–.09 59 3.9b
MOS IX 01 13 07 35.1–2.6 47.22N 155.65E 29 4.6b
IDC IX 01 13 07 36.4–2.7 47.37N 153.43E 75–24 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=3.1km az=135.9.
MOS Error ellipse: s-maj=99.9km s-min=8.0km az=79.0.
IDC Error ellipse: s-maj=15.6km s-min=12.8km az=123.0.
ISC IX 01 13 57 08.7–2.0 43.27N–.09 147.53E–.08 48–15 3.9b 57 1-148
IDC IX 01 13 56 57.5–1.5 42.35N 147.72E 0 4.0,3.9 ¶601862722
ISCJB IX 01 13 57 09.9–.95 43.38N–.06 147.36E–.08 62–7 3.8b,3.9
JMA IX 01 13 57 09.8–.20 43.26N 147.33E 33 3.6,3.9
MOS IX 01 13 57 11.1–2.9 43.35N 147.35E 45 4.4b,3.9
SKHL IX 01 13 57 11.1–.80 43.35N 147.35E 45–2 4.7b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=43.1km s-min=27.4km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.7km az=139.1.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=20.2km s-min=10.8km az=126.9.
KRSC IX 02 08 04 30.3–1.6 49.04N 156.50E 45–26 3.9L
¶604183961
KRSC Event type se.
IDC IX 02 21 12 36.1–2.4 47.13N 153.85E 0 4.0,3.7
¶601862813
IDC Error ellipse: s-maj=66.7km s-min=30.2km az=5.0.
KRSC IX 04 01 46 45.6–1.6 50.08N 157.13E 60–25 4.0L
¶604183964
KRSC Event type se.
ISC IX 04 17 30 43.5–1.6 46.9N–.20 149.1E–.20 250 27 2-8
ISCJB IX 04 17 30 42.8–.90 46.8N–.10 149.2E–.20 250 ¶603514324
SKHL IX 04 17 30 43.8–.10 46.39N 149.91E 244–5 4.8b,4.6s
JMA IX 04 17 30 44.1–.50 46.07N 149.62E 303 3.5,4.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.8km s-min=8.7km az=41.2.
JMA Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
KRSC IX 05 03 37 08.8–1.4 50.34N 156.91E 62–20 3.6L
¶604183968
KRSC Event type se.
KRSC IX 05 18 51 03.6–1.2 50.76N 157.25E 124–12 3.6L
¶604183972
KRSC Event type se.
KRSC IX 06 02 02 12.8–1.6 48.13N 155.95E 145–34 4.2L
MOS IX 06 02 02 12.8–1.1 48.13N 155.95E 145 4.3b ¶601687345
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=9.2km az=77.6.
ISC IX 06 08 36 51.1–1.1 48.2N–.10 155.6E–.10 35 34 3-75
IDC IX 06 08 36 47.2–1.4 48.04N 155.62E 0 3.9,3.7 ¶601687347
ISCJB IX 06 08 36 49.4–.81 48.26N–.08 155.5E–.20 33 3.4b,2.6s
MOS IX 06 08 36 49.2–3.1 48.24N 156.50E 31 4.2b,2.6s
KRSC IX 06 08 36 49.2–1.8 48.24N 156.51E 31–25 4.1L,2.6s
ISC Event type se.
IDC Error ellipse: s-maj=57.9km s-min=27.9km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=5.9km az=31.6.
MOS Error ellipse: s-maj=25.4km s-min=7.3km az=77.2.
KRSC Event type se.
KRSC IX 08 12 10 04.0–1.5 49.29N 156.63E 40–21 3.9L
¶604183977
KRSC Event type se.
ISC IX 09 05 39 20.5–.50 49.40N–.04 155.59E–.03 58–3 5.6s,5.2b 1623 1-157
KRSC IX 09 05 39 16.0–2.1 49.17N 156.01E 67–24 6.0L,5.2b ¶601696960
MOS IX 09 05 39 18.3–.88 49.34N 155.58E 56 5.6s,5.5b
NEIC IX 09 05 39 18.0–.07 49.43N 155.52E 35 5.2b,5.5b
ISCJB IX 09 05 39 19.0–.32 49.37N–.02 155.63E–.02 62–2 5.2b,5.5b
BJI IX 09 05 39 19.0 49.40N 155.50E 62 5.8s,5.6
IDC IX 09 05 39 22.3–.28 49.42N 155.50E 75–2 5.5s,5.5
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=5.6km s-min=2.5km az=77.6.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.4km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=159.2.
IDC Error ellipse: s-maj=8.4km s-min=6.5km az=154.0.
ISC IX 09 05 39 39.4–.27 49.30N–.04 155.70E–.05 54 5.6s,5.4b 463 1-158
NEIC IX 09 05 39 36.0–.00 49.27N 155.88E 45 5.6s,5.4b ¶605299927
MOS IX 09 05 39 37.7–.98 49.28N 155.83E 50 5.6b,5.5s
ISCJB IX 09 05 39 38.0–.15 49.31N–.03 155.70E–.04 54 5.6s,5.4b

NEIC IX 09 05 39 37.0–.10 49.25N 155.75E 31 6.0W,5.9W
GCMT IX 09 05 39 40.0–.10 49.28N 155.97E 41–0 6.0W,5.9W
NEIC IX 09 05 39 51.7–.00 49.97N 155.72E 47 6.0W,5.9W
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}6.84 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$-5.32 $M_{r\theta}$1.38 $M_{\theta\phi}$-3.56 $M_{\phi r}$4.35 Best double couple: NP1:ϕ_s23.00000° ,δ61.00000°,λ82.00000°. NP2:ϕ_s219.00000°,δ30.00000°,λ104.00000°. Principal axes: T 8.2500,Plg72.0000°,Azm274.0000°; N 0.4800,Plg6.0000°,Azm27.0000° ; P -8.7300,Plg16.0000°,Azm119.0000° $M_0$8.50000×10^{17}
MOS Error ellipse: s-maj=10.5km s-min=5.4km az=65.7. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.5km az=139.9.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=144.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c337; s151,c484; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.46±.00; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s30.00000°,δ57.00000° ,λ86.00000°. NP2:ϕ_s217.00000°,δ33.00000°,λ96.00000°. Principal axes: T 1.0240,Plg77.0000°,Azm287.0000°; N 0.0370,Plg3.0000°,Azm32.0000° ; P -1.0620,Plg12.0000°,Azm122.0000° $M_0$1.04300×10^{18}
NEIC Event type se. Moment Tensor Solution. s86 Moment tensor: Scale 10^{18}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s231.00000° ,δ41.00000°,λ112.00000°. NP2:ϕ_s22.00000°,δ52.00000°,λ72.00000°. Principal axes: T 1.3400,Plg74.0000°,Azm236.0000°; N -0.1100,Plg14.0000°,Azm34.0000° ; P -1.2300,Plg6.0000°,Azm125.0000° $M_0$1.30000×10^{18}

ISC IX 09 09 36 39.8–.41 45.20N–.03 151.38E–.03 31–2 5.3s,5.2b 1497 2-154
NIED IX 09 09 36 00 45.20N 151.60E 20 5.4W,5.2b **¶601698283**
IDC IX 09 09 36 35.0–.40 45.33N 151.37E 0 5.1,5.1s
ISCJB IX 09 09 36 36.0–.62 45.19N–.02 151.45E–.02 17–4 5.2s,5.1b
SKHL IX 09 09 36 35.0–.90 44.99N 151.89E 40–9 5.9b,5.3s
JMA IX 09 09 36 37.1–.60 45.23N 151.62E 30 5.4,5.3s
BJI IX 09 09 36 38.6 45.20N 151.12E 26 5.5b,5.5s
MOS IX 09 09 36 39.0–.98 45.24N 151.36E 36 5.6b,5.2s
NEIC IX 09 09 36 41.1–.39 45.29N 151.32E 39–3 5.1b,5.2s
GCMT IX 09 09 36 42.1–.10 45.25N–.01 151.56E–.01 20–0 5.3W,5.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ60.00000°. NP2:ϕ_s52.00000°,δ66.00000°,λ104.00000°. $M_0$1.41000×10^{17}
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c161; s110,c201;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.02 $M_{\theta\theta}$-0.51±.02; $M_{\phi\phi}$-0.51±.02; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.59±.01; $M_{\phi r}$0.74±.04; Best double couple: NP1:ϕ_s32.00000°,δ64.00000°,λ78.00000°. NP2:ϕ_s239.00000°,δ29.00000°,λ114.00000°. Principal axes: T 1.3260,Plg69.0000° ,Azm278.0000°; N 0.0240,Plg11.0000°,Azm38.0000°; P -1.3520,Plg18.0000°,Azm131.0000° $M_0$1.33900×10^{17}

ISC IX 09 10 50 37.2–1.6 44.22N–.07 149.59E–.09 46–15 3.7b 60 2-81
SKHL IX 09 10 50 35.0–.30 44.54N 149.69E 45–13 4.6b **¶601863231**
ISCJB IX 09 10 50 36.5–.95 44.22N–.09 149.57E–.08 60–10 3.6b
JMA IX 09 10 50 36.0–.70 44.75N 149.51E 30 4.2
IDC IX 09 10 50 38.7–3.6 44.61N 149.37E 46–35 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=7.8km az=158.0.
JMA Error ellipse: s-maj=6.7km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=26.5km az=138.0.

JMA IX 09 11 24 17.2–.80 45.36N 151.79E 30 4.1
¶606027316

JMA Error ellipse: s-maj=11.1km s-min=8.6km az=-1.0.

ISC IX 09 17 44 25.5–2.2 44.0N–.10 147.5E–.10 48–21 23 0-3
NIED IX 09 17 44 00 43.80N 147.40E 59 3.5W **¶603514393**
ISCJB IX 09 17 44 25.7–1.2 44.04N–.08 147.4E–.10 52–12 3.5W
SKHL IX 09 17 44 26.4–1.2 44.00N 147.47E 49–9 4.3b
JMA IX 09 17 44 26.4–.20 43.83N 147.38E 31 3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ22.00000°,λ107.00000°. NP2:ϕ_s25.00000°,δ69.00000°,λ83.00000°. $M_0$1.77000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=6.7km az=138.1.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

KRSC IX 10 06 17 36.4–1.3 50.97N 157.84E 56–18 3.7L
¶604183982

KRSC Event type se.

ISC IX 10 11 54 15.1–.56 43.58N–.05 146.66E–.04 48–4 4.4b,3.5s 217 0-152
NIED IX 10 11 54 00 43.50N 146.50E 50 4.3W,3.5s **¶601698295**
ISCJB IX 10 11 54 14.5–.40 43.60N–.04 146.61E–.04 58–3 4.3b,3.5s
MOS IX 10 11 54 14.1–.86 43.59N 146.61E 55 4.7b,3.5s
NEIC IX 10 11 54 15.1–.20 43.65N 146.59E 45 4.5b,3.5s
IDC IX 10 11 54 16.5–2.1 43.69N 146.56E 59–18 4.1,4.0
JMA IX 10 11 54 16.0–.20 43.53N 146.55E 47–2 3.9,4.0
SKHL IX 10 11 54 17.1–.70 43.75N 146.60E 51–4 5.2b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ22.00000°,λ60.00000°. NP2:ϕ_s47.00000°,δ71.00000°,λ102.00000°. $M_0$3.71000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.5km az=146.9.
MOS Error ellipse: s-maj=8.1km s-min=5.9km az=105.5. Felt (IV) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk, Krabozavodskoye. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=148.0. Recorded [2 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=14.5km s-min=11.5km az=150.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
SKHL Felt (IV) at Malokuril'skoe, (II) at Yushno-Kuril'sk, Krabozavodskoe.

JMA IX 10 14 16 22.5–.60 44.59N 148.03E 132 3.3
SKHL IX 10 14 16 22.7–1.1 42.22N 147.31E 48–7 4.4b **¶606027919**
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.

KRSC IX 10 14 34 32.9–2.9 49.90N 155.29E 222–14 3.9L
¶604183984

KRSC Event type se.

ISC IX 10 22 00 00.6–.81 50.96N–.05 157.74E–.04 68–6 4.5b 333 1-145
BJI IX 10 21 59 56.6 51.19N 157.82E 61 4.8b,4.5b **¶601703091**
KRSC IX 10 21 59 59.3–2.3 50.98N 158.08E 47–23 5.0L,4.5b
MOS IX 10 21 59 59.6–.98 50.95N 157.58E 64 4.7b,4.5b
ISCJB IX 10 22 00 00.4–.39 51.01N–.03 157.58E–.05 72–3 4.4b,4.5b
NEIC IX 10 22 00 02.6–.69 51.15N 157.41E 78–6 4.5b,4.5b
GCMT IX 10 22 00 02.7–.50 50.93N–.03 157.90E–.05 85–4 4.8W,4.5b
IDC IX 10 22 00 04.0–1.9 51.21N 157.40E 90–16 4.4,4.2
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=3.1km az=79.5.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=2.9km az=138.5.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=144.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c28; s60,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.11 $M_{\theta\theta}$-0.21±.10; $M_{\phi\phi}$-1.08±.10; $M_{r\theta}$-0.08±.07; $M_{\theta\phi}$-1.53±.10; $M_{\phi r}$0.91±.06; Best double couple: NP1:ϕ_s9.00000°,δ64.00000°,λ52.00000°. NP2:ϕ_s249.00000°,δ45.00000°,λ141.00000°. Principal axes: T 1.8290,Plg54.0000° ,Azm231.0000°; N 0.5330,Plg33.0000°,Azm28.0000°; P -2.3660,Plg11.0000°,Azm125.0000° $M_0$2.09800×10^{16}
IDC Error ellipse: s-maj=14.4km s-min=9.8km az=138.0.

KRSC IX 10 22 57 29.6–1.8 49.01N 156.32E 46–28 3.8L
¶604183985

KRSC Event type se.

ISC IX 11 01 28 20.5–.31 45.21N–.03 151.34E–.03 31–1 5.5b,5.4s 1896 2-160
NIED IX 11 01 28 00 45.30N 151.60E 14 5.5W,5.4s **¶601709215**
ISCJB IX 11 01 28 15.4–.58 45.24N–.02 151.31E–.02 7–3 5.5b,5.4s
BJI IX 11 01 28 16.6 45.24N 151.00E 6 5.7b,5.6b
JMA IX 11 01 28 17.7–.50 45.30N 151.58E 30 5.7,5.6b
NEIC IX 11 01 28 18.8–.58 45.34N 151.11E 14–3 5.6W,5.5W
SKHL IX 11 01 28 18.1–.90 45.01N 151.72E 52–7 5.8s,5.7
NEIC IX 11 01 28 19.0–.00 45.39N 151.33E 17 5.8s,5.7
MOS IX 11 01 28 21.4–1.2 45.31N 151.16E 48 5.9b,5.4s
GCMT IX 11 01 28 21.8–.10 45.30N–.01 151.56E–.01 21–0 5.5W,5.4s
IDC IX 11 01 28 22.6–.50 45.38N 151.15E 45–4 5.3s,5.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ41.00000°,λ110.00000°. NP2:ϕ_s31.00000°,δ52.00000°,λ73.00000°. $M_0$2.17000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.5km az=160.2.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=160.0. Moment Tensor Solution. s73 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.78 $M_{\phi r}$1.33 Best double couple: NP1:ϕ_s246.00000°,δ20.00000°,λ124.00000°. NP2:ϕ_s31.00000° ,δ74.00000°,λ79.00000°. Principal axes: T 1.7400,Plg60.0000°,Azm285.0000° ; N 0.2600,Plg11.0000°,Azm34.0000°; P -2.0000,Plg28.0000°,Azm130.0000° $M_0$1.90000×10^{17}
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$-0.83 $M_{r\theta}$1.20 $M_{\theta\phi}$-0.75 $M_{\phi r}$2.92 Best double couple: NP1:ϕ_s24.00000° ,δ78.00000°,λ83.00000°. NP2:ϕ_s235.00000°,δ14.00000°,λ120.00000°. Principal axes: T 3.5000,Plg56.0000°,Azm285.0000°; N -0.0600,Plg6.0000°,Azm25.0000° ; P -3.4400,Plg32.0000°,Azm119.0000° $M_0$3.50000×10^{17}
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=112.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c183; s122,c275;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.02±.04 $M_{\theta\theta}$-0.95±.03; $M_{\phi\phi}$-1.07±.03; $M_{r\theta}$0.59±.05; $M_{\theta\phi}$-1.29±.02; $M_{\phi r}$1.31±.05; Best double couple: NP1:ϕ_s32.00000°,δ62.00000°,λ78.00000°. NP2:ϕ_s236.00000°,δ30.00000°,λ111.00000°. Principal axes: T 2.5050,Plg71.0000° ,Azm277.0000°; N 0.1930,Plg10.0000°,Azm38.0000°; P -2.7000,Plg16.0000°,Azm131.0000° $M_0$2.60200×10^{17}
IDC Error ellipse: s-maj=12.0km s-min=8.2km az=138.0.

JMA IX 11 13 56 08.8–1.0 45.38N 151.45E 30 3.8
¶606028446

JMA Error ellipse: s-maj=8.9km s-min=9.4km az=-1.0.

ISC IX 11 22 13 34.0–.73 45.06N–.08 151.56E–.08 36 4.3b 140 3-81
NIED IX 11 22 13 00 45.70N 151.50E 11 4.1W **¶601712674**
JMA IX 11 22 13 32.5–.60 45.65N 151.46E 30 4.6
SKHL IX 11 22 13 33.7–.20 45.51N 151.51E 50–9 4.8b
ISCJB IX 11 22 13 33.1–.51 45.21N–.07 151.46E–.07 36 4.1b
MOS IX 11 22 13 34.4–1.1 45.24N 151.53E 50 4.6b
NEIC IX 11 22 13 35.7–.71 45.39N 151.38E 35 4.3b
IDC IX 11 22 13 37.5–2.9 45.36N 151.46E 59–24 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ22.00000°,λ91.00000°. NP2:ϕ_s43.00000°,δ68.00000°,λ89.00000°. $M_0$1.37000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.3km az=145.6.
MOS Error ellipse: s-maj=9.0km s-min=8.8km az=53.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.0km az=137.0.
IDC Error ellipse: s-maj=25.1km s-min=18.1km az=140.0.

ISC IX 11 22 16 37.9–.40 45.28N–.05 151.27E–.04 41–3 4.9b,4.4s 617 2-153
NIED IX 11 22 16 00 45.50N 151.60E 17 4.7W,4.4s **¶601709219**
JMA IX 11 22 16 34.0–.60 45.45N 151.58E 30 5.0,4.4s
ISCJB IX 11 22 16 34.7–.75 45.30N–.03 151.34E–.03 30–5 4.8b,4.3s
SKHL IX 11 22 16 36.8–1.3 45.19N 151.52E 55–5 5.3b,4.6s
MOS IX 11 22 16 36.0–.99 45.30N 151.29E 41 5.3b,4.2s
IDC IX 11 22 16 38.6–.40 45.43N 151.25E 47–3 4.6,4.5
NEIC IX 11 22 16 38.1–.50 45.32N 151.27E 44–4 4.8b,4.5
BJI IX 11 22 16 39.1 45.39N 150.80E 45 5.0b,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ38.00000°,λ111.00000°. NP2:ϕ_s29.00000°,δ55.00000°,λ75.00000°. $M_0$1.22000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.4km az=147.7.
MOS Error ellipse: s-maj=5.9km s-min=5.0km az=111.0.
IDC Error ellipse: s-maj=12.7km s-min=9.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=151.0.

ISC IX 12 02 01 30.1–.64 49.28N–.06 155.78E–.05 50–5 4.7b,4.0s 435 1-147
BJI IX 12 02 01 24.8 49.29N 156.24E 45 4.8b,4.7b **¶601706397**
KRSC IX 12 02 01 27.0–1.8 49.22N 156.02E 55–22 5.1L,4.7b
NEIC IX 12 02 01 29.5–.15 49.51N 155.45E 35 4.7b,4.7b
MOS IX 12 02 01 29.6–.97 49.35N 155.71E 57 4.9b,4.7b
ISCJB IX 12 02 01 30.4–.43 49.42N–.03 155.62E–.04 59–3 4.7b,3.9s
IDC IX 12 02 01 33.3–2.1 49.46N 155.49E 76–18 4.5,4.3
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=156.0.
MOS Error ellipse: s-maj=7.4km s-min=3.1km az=75.2.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=2.6km az=145.7.
IDC Error ellipse: s-maj=14.9km s-min=9.4km az=141.0.

ISC IX 12 09 58 09.3–1.1 50.87N–.07 157.78E–.06 50–10 3.9b 135 1-145
KRSC IX 12 09 58 07.2–1.7 50.89N 157.98E 47–20 4.6L **¶601712695**
ISCJB IX 12 09 58 09.0–.62 50.93N–.05 157.70E–.08 64–5 4.0b
MOS IX 12 09 58 08.6–.99 50.89N 157.69E 59 4.0b
IDC IX 12 09 58 13.1–2.1 51.06N 157.46E 85–18 3.8,3.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.1km az=42.4.
MOS Error ellipse: s-maj=12.1km s-min=3.5km az=77.4.
IDC Error ellipse: s-maj=21.7km s-min=10.5km az=142.0.

ISC IX 12 18 00 10.0–1.7 43.35N–.09 146.59E–.07 22–8 25 1-2
JMA IX 12 18 00 09.9–.20 43.23N 146.63E 48–2 3.0 **¶603514421**
SKHL IX 12 18 00 11.5–.70 43.33N 146.60E 38–6 4.8b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC IX 13 13 18 13.3–3.0 50.66N–.09 157.68E–.06 27–20 69 1-6
MOS IX 13 13 18 12.8–.66 50.55N 157.74E 39 4.2b **¶601714104**
KRSC IX 13 13 18 13.5–1.6 50.76N 157.68E 61–21 3.8L
ISC Event type se.
MOS Error ellipse: s-maj=24.8km s-min=5.2km az=85.2.
KRSC Event type se.

ISC IX 13 16 14 18.6–2.3 44.42N–.06 148.18E–.08 6–13 3.6b 39 1-69
NIED IX 13 16 14 00 44.00N 148.10E 47 3.6W **¶601863468**
IDC IX 13 16 14 15.1–2.8 44.51N 148.79E 0 3.5,3.4
JMA IX 13 16 14 22.4–.30 44.02N 148.05E 0 4.2,3.4
SKHL IX 13 16 14 24.9–.70 44.47N 148.12E 44–4 4.8b,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s239.00000°,δ38.00000°,λ163.00000°. NP2:ϕ_s342.00000°,δ80.00000°,λ53.00000°. $M_0$2.58000×10^{14}
IDC Error ellipse: s-maj=67.2km s-min=31.7km az=39.0.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.

ISC IX 14 01 21 55.5–.75 44.09N–.06 148.19E–.07 47 3.5b 69 1-92
NIED IX 14 01 21 00 43.80N 147.90E 47 4.0W **¶601863494**
IDC IX 14 01 21 52.8–2.0 44.93N 147.97E 0 4.1L,3.9
ISCJB IX 14 01 21 53.8–.57 44.10N–.05 148.19E–.05 47 3.6b,3.9
JMA IX 14 01 21 53.9–.30 43.83N 147.90E 0 4.3,3.9
SKHL IX 14 01 21 53.7–1.1 44.04N 148.31E 45–5 4.8b,3.9
MOS IX 14 01 21 54.5–1.8 44.05N 148.08E 57 4.2b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ5.00000°,λ-4.00000°. NP2:ϕ_s230.00000°,δ90.00000°,λ-95.00000°. $M_0$1.05000×10^{15}
IDC Error ellipse: s-maj=57.6km s-min=17.6km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.0km az=148.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=13.0km s-min=11.4km az=2.0.

KRSC IX 14 03 51 29.5–1.8 50.27N 156.90E 132–20 4.0L
¶604183990

KRSC Event type se.

ISC IX 14 04 41 37.9–.80 48.5N–.20 151.7E–.20 350 3.4b 28 4-62
ISCJB IX 14 04 41 38.6–.59 48.5N–.20 151.8E–.40 350 3.4b **¶601751660**
MOS IX 14 04 41 38.8–1.2 48.84N 151.18E 342 3.9b
IDC IX 14 04 41 40.7–1.7 49.32N 150.50E 328–26 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=45.5km s-min=5.9km az=135.0.
MOS Error ellipse: s-maj=44.4km s-min=6.7km az=58.1.

IDC Error ellipse: s-maj=61.0km s-min=14.5km az=139.0.
ISC IX 14 22 50 24.5–1.1 49.17N–.08 156.64E–.09 34 3.6b 43 2-74
MOS IX 14 22 50 22.6–.38 49.86N 156.56E 53 4.3b **¶601717562**
KRSC IX 14 22 50 31.6–2.5 49.60N 157.04E 49–26 4.5L
IDC IX 14 22 50 36.7–4.4 50.13N 155.45E 130–34 3.7,3.6
ISC Event type se.
MOS Error ellipse: s-maj=41.0km s-min=5.2km az=79.8.
KRSC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=20.8km az=167.0.
ISC IX 15 08 43 25.7–.72 46.07N–.05 153.06E–.04 32–4 4.7b,4.5s 545 4-153
NIED IX 15 08 43 00 46.30N 153.10E 11 4.7W,4.5s **¶601717907**
ISCJB IX 15 08 43 22.4–.84 46.12N–.03 152.95E–.03 17–6 4.7b,4.3s
JMA IX 15 08 43 22.9–.80 46.27N 153.13E 30 5.0,4.3s
MOS IX 15 08 43 25.5–1.1 46.23N 152.92E 40 5.0b,4.3s
SKHL IX 15 08 43 25.8–1.8 45.97N 153.15E 55–5 5.2b,4.6s
IDC IX 15 08 43 27.6–2.1 46.22N 152.92E 44–19 4.4,4.4
BJI IX 15 08 43 27.6 46.47N 152.69E 45 5.1b,4.9b
NEIC IX 15 08 43 27.2–.47 46.19N 152.94E 38–4 4.7b,4.9b
GCMT IX 15 08 43 28.2–.30 46.13N–.02 153.03E–.03 18–1 5.0W,4.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ64.00000°,λ14.00000°. NP2:ϕ_e231.00000°,δ78.00000°,λ154.00000°. $M_0$1.32000×10^{16}
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c31; s84,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.80±.18 $M_{\theta\theta}$-1.47±.12; $M_{\phi\phi}$-1.33±.11; $M_{r\theta}$1.12±.24; $M_{\theta\phi}$-1.58±.06; $M_{\phi r}$1.54±.23; Best double couple: NP1:ϕ_s40.00000°,δ62.00000°,λ84.00000°. NP2:ϕ_e233.00000°,δ29.00000°,λ101.00000°. Principal axes: T 3.3870,Plg73.0000° ,Azm297.0000°; N 0.1510,Plg5.0000°,Azm43.0000°; P -3.5380,Plg17.0000°,Azm135.0000° $M_0$3.46300×10^{16}
ISC IX 15 09 00 37.1–.83 46.2N–.10 152.99E–.09 40 3.8b 44 4-79
IDC IX 15 09 00 31.7–.78 46.15N 152.97E 0 3.9,3.8 **¶601863578**
ISCJB IX 15 09 00 35.8–.64 46.19N–.08 152.93E–.09 40 3.8b,3.6s
MOS IX 15 09 00 35.6–1.2 46.17N 152.97E 39 4.3b,3.6s
SKHL IX 15 09 00 36.9–1.1 45.97N 153.13E 58–6 4.2b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=17.8km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=4.9km az=144.3.
MOS Error ellipse: s-maj=18.0km s-min=11.3km az=62.4.
KRSC IX 15 09 42 53.6–1.2 50.48N 157.68E 44–19 4.1L
MOS IX 15 09 42 51.8–.57 50.21N 157.67E 31 4.1b **¶601742119**
KRSC Event type se.
MOS Error ellipse: s-maj=25.6km s-min=5.0km az=84.3.
ISC IX 15 10 02 08.3–.98 46.3N–.10 152.9E–.20 31 3.7b 8 8-78
IDC IX 15 10 02 03.6–.94 46.15N 152.95E 0 3.9,3.7 **¶601863582**
ISCJB IX 15 10 02 06.1–.84 46.4N–.10 152.8E–.20 31 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 22 58 14.9–.79 47.8N–.20 152.7E–.10 100 3.5b 13 16-77
IDC IX 15 22 58 12.8–8.3 47.91N 152.60E 76–77 3.6,3.6 **¶601863613**
ISCJB IX 15 22 58 13.6–.76 47.9N–.10 152.6E–.20 100 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
KRSC IX 16 09 03 11.8–1.6 50.04N 156.93E 48–17 3.8L
¶604183991
KRSC Event type se.
ISC IX 17 01 29 45.5–.41 49.20N–.06 155.08E–.06 55 4.3b,3.2s 231 2-157
BJI IX 17 01 29 44.3 49.66N 155.57E 82 4.9b,4.5b **¶601719508**
ISCJB IX 17 01 29 44.5–.20 49.22N–.03 154.90E–.05 55 4.3b,3.2s
IDC IX 17 01 29 47.0–.52 49.32N 154.74E 63–4 4.1,4.1
MOS IX 17 01 29 47.7–1.4 49.23N 155.02E 88 4.2b,4.1
KRSC IX 17 01 29 47.9–1.9 49.08N 156.54E 40–25 5.0L,4.1
NEIC IX 17 01 29 49.4–.65 49.26N 154.80E 86–6 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.8km az=44.3.
IDC Error ellipse: s-maj=15.0km s-min=10.9km az=132.0.
MOS Error ellipse: s-maj=9.6km s-min=4.1km az=68.8.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=146.0.
ISC IX 17 07 55 24.0–.97 44.25N–.09 147.76E–.08 98–7 3.6b 54 1-82
IDC IX 17 07 55 19.6–4.9 44.28N 147.63E 60–45 3.8,3.7 **¶606031837**
ISCJB IX 17 07 55 23.1–.71 44.27N–.08 147.7E–.10 108–4 3.6b,3.7
JMA IX 17 07 55 24.9–.20 43.91N 147.82E 91 3.3,3.7
MOS IX 17 07 55 24.9–1.5 44.87N 147.19E 83 4.2b,3.7
SKHL IX 17 07 55 25.4–.50 44.21N 147.83E 88–2 5.6s,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=24.2km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=6.2km az=137.4.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=21.2km s-min=10.2km az=58.8.
KRSC IX 17 10 24 03.5–1.6 49.44N 156.86E 49–24 3.9L
¶604183993
KRSC Event type se.
ISC IX 17 23 20 42.0–.95 49.57N–.09 156.2E–.10 57 3.6b 53 1-82
MOS IX 17 23 20 36.7–1.0 49.31N 156.35E 17 3.9b **¶601722610**
ISCJB IX 17 23 20 41.9–.73 49.61N–.06 156.3E–.20 57 3.7b
KRSC IX 17 23 20 41.7–2.0 49.70N 156.90E 16–27 4.3L
IDC IX 17 23 20 44.6–4.2 49.69N 155.93E 75–41 3.7,3.7
ISC Event type se.
MOS Error ellipse: s-maj=37.8km s-min=5.2km az=77.6.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=6.1km az=22.1.
KRSC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=28.8km az=108.0.
ISC IX 18 00 52 19.9–.81 48.81N–.06 155.01E–.06 50–6 4.5b,3.6s 290 2-147
KRSC IX 18 00 52 16.6–1.9 48.65N 155.62E 42–24 5.0L,3.6s **¶601721800**
BJI IX 18 00 52 19.1 48.99N 155.33E 79 5.0b,4.6s
MOS IX 18 00 52 19.5–1.0 48.82N 155.01E 57 4.8b,4.6s
ISCJB IX 18 00 52 19.4–.49 48.85N–.04 154.96E–.05 55–4 4.4b,3.5s
NEIC IX 18 00 52 22.8–.68 48.92N 154.78E 72–6 4.4b,3.5s
SKHL IX 18 00 52 22.0–.20 48.93N 154.78E 75–5 4.9b,3.5s
IDC IX 18 00 52 23.5–1.9 48.92N 154.76E 82–16 4.2,4.1
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=4.0km az=75.5.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.3km az=138.9.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=149.0.
IDC Error ellipse: s-maj=15.7km s-min=9.0km az=135.0.
ISC IX 18 10 07 46.5–.49 46.65N–.07 153.09E–.07 35 4.5b,3.4s 218 4-149
NIED IX 18 10 07 00 47.00N 153.20E 32 4.2W,3.4s **¶601732928**
JMA IX 18 10 07 43.7–.80 46.99N 153.21E 30 4.7,3.4s
ISCJB IX 18 10 07 45.4–.25 46.83N–.04 152.94E–.05 35 4.4b,3.4s
MOS IX 18 10 07 47.4–.97 46.82N 152.92E 57 4.7b,3.4s
SKHL IX 18 10 07 48.5–1.1 46.84N 152.94E 62–7 4.9b,3.4s
NEIC IX 18 10 07 51.7–.52 46.92N 152.81E 76–4 4.6b,3.4s
IDC IX 18 10 07 51.3–2.4 46.88N 152.84E 75–21 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ53.00000°,λ-175.00000°. NP2:ϕ_e134.00000°,δ86.00000°,λ-37.00000°. $M_0$2.13000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=2.3km az=143.0.
MOS Error ellipse: s-maj=9.9km s-min=6.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.2km az=144.0.
IDC Error ellipse: s-maj=15.8km s-min=10.1km az=145.0.
KRSC IX 18 12 02 25.7–2.0 49.07N 156.69E 8–37 4.0L
¶604183995
KRSC Event type se.
KRSC IX 18 19 02 29.8–.64 50.04N 156.90E 25–9 3.6L
¶604183996
KRSC Event type se.
ISC IX 19 01 11 43.8–1.5 49.70N–.05 156.4E–.10 14–10 3.6b 47 1-76
MOS IX 19 01 11 43.9–2.0 49.71N 156.86E 16 4.0b **¶601731966**
KRSC IX 19 01 11 43.9–2.0 49.71N 156.86E 16–24 4.6L
IDC IX 19 01 11 47.5–3.1 49.77N 155.80E 82–30 3.6,3.5
ISC Event type se.
MOS Error ellipse: s-maj=23.9km s-min=5.3km az=80.0.
KRSC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=16.9km az=139.0.
ISC IX 19 10 12 18.1–2.4 43.19N–.09 147.04E–.10 32–13 20 1-5
SKHL IX 19 10 12 18.7–.80 43.20N 147.03E 52–6 4.5b **¶603514517**
JMA IX 19 10 12 18.6–.20 43.23N 146.98E 51–3 3.0
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC IX 19 12 34 39.2–.94 43.65N–.06 147.77E–.06 66–7 4.0b 113 1-72
NIED IX 19 12 34 00 43.50N 147.60E 68 3.7W **¶601851692**
NEIC IX 19 12 34 34.2–.89 43.72N 148.27E 35 4.1b
MOS IX 19 12 34 38.5–.79 43.78N 147.73E 73 4.4b
ISCJB IX 19 12 34 38.8–.77 43.69N–.05 147.68E–.07 77–4 4.2b
JMA IX 19 12 34 39.4–.20 43.52N 147.60E 30 4.1
SKHL IX 19 12 34 39.6–.70 43.67N 147.71E 83–7 4.1
IDC IX 19 12 34 41.7–2.3 45.40N 146.91E 0 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ7.00000°,λ100.00000°. NP2:ϕ_s46.00000°,δ83.00000°,λ89.00000°. $M_0$4.12000×10^{14}
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.9km az=141.0.
MOS Error ellipse: s-maj=12.2km s-min=9.6km az=38.1.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.5km az=139.5.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=55.7km s-min=21.4km az=149.0.
KRSC IX 19 16 46 30.2–1.3 49.95N 156.96E 17–16 4.2L
MOS IX 19 16 46 31.0–1.1 49.95N 156.96E 17 4.3b **¶601731970**
KRSC Event type se.
MOS Error ellipse: s-maj=37.5km s-min=6.1km az=82.6.
KRSC IX 21 00 13 49.7–2.1 49.33N 156.85E 9–41 3.9L
¶604184001
KRSC Event type se.
ISC IX 21 02 55 24.3–4.3 44.91N–.07 149.0E–.20 35 17 1-5
SKHL IX 21 02 55 23.5–1.3 44.90N 149.12E 49–9 4.9b **¶603302274**
MOS IX 21 02 55 24.0–3.0 44.90N 149.10E 49 4.3b
ISC Event type ke.
SKHL Felt (II-III) at Kuril'sk.
MOS Error ellipse: s-maj=42.6km s-min=28.5km az=163.7. Felt (II-III) at Kuril'sk. Moment Tensor Solution.
ISC IX 21 07 58 05.9–2.9 44.1N–.10 148.3E–.20 35 27 1-6
SKHL IX 21 07 58 08.1–.40 44.13N 148.18E 41–9 4.7b **¶603514547**
JMA IX 21 07 58 08.1–.30 44.00N 148.06E 72 3.5
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC IX 21 18 30 21.1–2.5 44.1N–.10 148.0E–.10 70 27 1-4
NIED IX 21 18 30 00 43.90N 147.70E 29 3.2W **¶603514548**
JMA IX 21 18 30 23.8–.30 43.91N 147.71E 31 3.6
SKHL IX 21 18 30 25.6–.50 44.25N 147.68E 43–5 4.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ16.00000°,λ129.00000°. NP2:ϕ_s11.00000°,δ77.00000°,λ79.00000°. $M_0$8.22000×10^{13}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
KRSC IX 21 19 00 07.1–2.1 49.44N 156.89E 16–34 3.9L
¶604184002
KRSC Event type se.
KRSC IX 21 19 21 16.5–1.8 49.53N 156.90E 15–25 4.1L
MOS IX 21 19 21 16.4–2.1 49.53N 156.90E 15 4.3b **¶601736516**
KRSC Event type se.
MOS Error ellipse: s-maj=37.6km s-min=5.4km az=82.0.
ISC IX 22 08 24 21.7–1.1 44.10N–.08 147.94E–.08 88–7 3.6b 54 1-79
ISCJB IX 22 08 24 21.6–.77 44.18N–.08 147.83E–.10 96–5 3.5b **¶601863984**
MOS IX 22 08 24 22.1–.93 44.29N 147.75E 105 4.0b
SKHL IX 22 08 24 24.4–.50 44.10N 147.89E 53–7 4.7b
JMA IX 22 08 24 24.1–.20 43.95N 147.81E 70 3.7
IDC IX 22 08 24 26.9–2.6 44.70N 147.62E 109–22 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=6.0km az=137.7.
MOS Error ellipse: s-maj=19.1km s-min=13.7km az=139.5.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=54.7km s-min=16.7km az=166.0.
ISC IX 24 09 13 17.0–1.3 49.52N–.09 156.53E–.09 78–11 4.0b 84 1-78
KRSC IX 24 09 13 17.8–1.2 49.65N 157.02E 46–21 4.8L **¶601739426**
MOS IX 24 09 13 18.6–.87 49.73N 156.20E 100 4.0b
IDC IX 24 09 13 21.1–2.1 49.72N 156.06E 106–19 3.9,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=16.1km s-min=5.0km az=75.8.
IDC Error ellipse: s-maj=22.3km s-min=13.7km az=127.0.
KRSC IX 25 23 39 13.0–1.9 49.40N 156.61E 15–31 4.0L
¶604184010
KRSC Event type se.
ISC IX 26 05 04 48.2–2.9 44.41N–.07 148.6E–.20 24–15 35 1-7
MOS IX 26 05 04 50.0–.63 44.50N 148.60E 42 4.2b **¶603302277**
JMA IX 26 05 04 50.4–.30 44.05N 148.25E 0 3.9
SKHL IX 26 05 04 50.2–.40 44.48N 148.64E 42–6 4.3b
ISC Event type ke.
MOS Error ellipse: s-maj=53.1km s-min=27.5km az=160.5.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
KRSC IX 26 20 25 40.4–1.3 50.05N 156.81E 86–19 3.6L
¶604184013
KRSC Event type se.
KRSC IX 26 22 45 03.8–1.9 49.92N 156.78E 40–17 3.8L
¶604184014
KRSC Event type se.
ISC IX 27 01 03 18.5–1.8 45.3N–.10 150.6E–.10 35 24 2-6
ISCJB IX 27 01 03 16.5–1.3 45.4N–.10 150.6E–.20 35 **¶603302278**
SKHL IX 27 01 03 16.7–.70 45.15N 150.79E 35–4 4.6b
MOS IX 27 01 03 17.0–.68 45.20N 150.80E 35 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=6.1km az=142.6.
MOS Error ellipse: s-maj=99.9km s-min=19.1km az=158.6.
ISC IX 28 06 53 22.5–1.6 43.38N–.07 146.45E–.05 41–22 37 1-4
ISCJB IX 28 06 53 21.5–.92 43.37N–.06 146.45E–.06 50–11 **¶603302279**
JMA IX 28 06 53 21.7–.20 43.35N 146.45E 54–2 3.4
SKHL IX 28 06 53 22.6–.90 43.37N 146.43E 38–6 4.7b
MOS IX 28 06 53 23.2–.30 43.53N 146.39E 29 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.6km az=144.9.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=31.3km s-min=20.1km az=106.1.
ISC IX 29 12 54 52.5–3.3 44.31N–.06 149.2E–.10 12–24 56 1-15
JMA IX 29 12 54 55.7–.60 44.70N 149.10E 30 3.9 **¶603302280**
MOS IX 29 12 54 56.0–1.4 44.40N 149.20E 40 4.2b
SKHL IX 29 12 54 56.0–.00 44.43N 149.23E 40–9 4.8b
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
MOS Error ellipse: s-maj=20.9km s-min=13.9km az=156.3.
ISC IX 29 17 54 24.2–1.3 49.1N–.10 156.3E–.20 200 3.2b 26 2-75
IDC IX 29 17 54 03.4–1.4 47.92N 158.48E 0 3.7,3.5b **¶601775474**
KRSC IX 29 17 54 22.8–1.2 48.97N 156.67E 193–19 4.0L,3.5b
MOS IX 29 17 54 22.8–1.7 48.97N 156.67E 193 4.2b,3.5b
ISCJB IX 29 17 54 23.0–.88 49.03N–.08 156.6E–.30 200 3.1b,3.5b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC IX 30 01 24 34.1–1.1 50.53N 157.23E 41–16 3.9L
¶604184018
KRSC Event type se.

KRSC IX 30 03 44 47.7–.49 49.99N 156.91E 25–7 3.9L
¶604184019

KRSC Event type se.
KRSC IX 30 12 18 42.6–.73 50.04N 156.93E 74–12 3.7L
¶604184022

KRSC Event type se.
KRSC IX 30 13 51 45.5–.72 50.38N 157.20E 31–13 4.0L
¶604184023

KRSC Event type se.
KRSC IX 30 23 18 00.2–.70 50.31N 157.10E 31–11 3.9L
¶604184025

KRSC Event type se.
ISC X 01 20 19 21.1–1.2 46.1N–.10 153.0E–.10 35 3.8b 43 4-83
SKHL X 01 20 19 23.1–.90 46.20N 152.95E 67–7 4.6b **¶601996426**
MOS X 01 20 19 24.3–.92 46.62N 152.38E 63 4.3b
IDC X 01 20 19 27.4–3.9 46.72N 152.42E 65–27 3.8,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=18.5km s-min=9.9km az=64.0.
IDC Error ellipse: s-maj=75.4km s-min=21.2km az=156.0.
KRSC X 02 19 46 19.4–1.8 49.37N 156.50E 48–24 3.9L
¶604184028

KRSC Event type se.
KRSC X 03 22 14 57.2–1.1 49.60N 156.75E 8–20 3.9L
¶604184029

KRSC Event type se.
ISC X 04 18 14 09.8–3.9 44.36N–.09 149.3E–.20 36 26 1-7
JMA X 04 18 14 11.4–.60 44.69N 149.02E 30 3.8 **¶603684392**
SKHL X 04 18 14 11.7–.70 44.43N 149.14E 38–5 3.9b
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
ISC X 04 21 47 31.6–1.9 44.4N–.20 146.4E–.20 143–16 17 1-64
IDC X 04 21 46 50.9–15 41.45N 149.17E 0 3.9,3.9 **¶606040010**
ISCJB X 04 21 47 31.4–1.6 44.4N–.20 146.3E–.20 150–16 3.6b,3.9
JMA X 04 21 47 33.7–.40 44.32N 146.21E 141–3 2.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=368.2km s-min=71.9km az=167.0.
ISCJB Event type ke. Error ellipse: s-maj=34.9km s-min=14.8km az=29.7.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
ISC X 05 01 09 41.1–1.0 49.13N–.10 155.9E–.10 34 3.5b 52 2-77
MOS X 05 01 09 38.4–.77 49.02N 156.33E 23 4.6b **¶601794280**
ISCJB X 05 01 09 40.3–.81 49.13N–.07 156.1E–.20 34 3.4b
KRSC X 05 01 09 41.0–3.2 49.37N 156.99E 7–40 4.4L
IDC X 05 01 09 42.6–4.7 49.21N 155.58E 64–38 3.5,3.5
ISC Event type se.
MOS Error ellipse: s-maj=31.0km s-min=5.2km az=78.8.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=7.2km az=27.7.
KRSC Event type se.
IDC Error ellipse: s-maj=55.7km s-min=27.4km az=153.0.
KRSC X 05 17 33 01.1–1.0 49.65N 156.85E 60–24 3.8L
¶604184030

KRSC Event type se.
KRSC X 06 21 12 31.0–1.1 50.46N 157.78E 49–19 3.7L
¶604184032

KRSC Event type se.
KRSC X 06 22 09 05.4–1.5 50.21N 156.83E 100–15 4.0L
MOS X 06 22 09 05.4–1.3 50.21N 156.83E 100 4.2b **¶601794287**
KRSC Event type se.
MOS Error ellipse: s-maj=73.8km s-min=9.5km az=76.4.
ISC X 07 01 43 41.5–.59 48.65N–.07 155.45E–.07 35 3.9b,3.5s 133 2-90
ISCJB X 07 01 43 40.4–.40 48.69N–.04 155.31E–.08 35 4.0b,3.4s **¶601795070**
MOS X 07 01 43 42.7–.89 48.81N 155.22E 63 4.3b,3.4s
KRSC X 07 01 43 42.0–2.4 48.71N 156.41E 30–43 4.9L,3.4s
SKHL X 07 01 43 42.0–.80 48.63N 155.42E 61–5 5.0b,3.4s
IDC X 07 01 43 46.1–2.1 48.80N 155.01E 79–19 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=2.9km az=38.4.
MOS Error ellipse: s-maj=17.8km s-min=3.9km az=72.8.
KRSC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.2km az=132.0.
KRSC X 07 04 58 12.7–1.3 50.55N 157.21E 56–17 3.8L
¶604184033

KRSC Event type se.
ISC X 08 23 07 30.5–.68 46.07N–.07 149.66E–.08 35 3.7b,3.4s 71 2-151
NIED X 08 23 07 00 46.20N 150.30E 5 4.4W,3.4s **¶601997578**
IDC X 08 23 07 26.0–.67 45.87N 149.91E 0 4.0,3.8
ISCJB X 08 23 07 28.9–.51 46.08N–.05 149.69E–.08 35 3.6b,3.4s
MOS X 08 23 07 28.7–1.4 45.99N 149.66E 35 4.1b,3.4s
SKHL X 08 23 07 28.5–.30 46.15N 149.78E 39–7 4.4b,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ47.00000°,λ154.00000°. NP2:ϕ_s359.00000°,δ71.00000°,λ46.00000°. M_o3.83000×10^{15}
IDC Error ellipse: s-maj=21.9km s-min=15.0km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.6km az=40.6.
MOS Error ellipse: s-maj=13.0km s-min=8.0km az=53.2.
ISC X 10 05 18 28.2–.62 44.58N–.06 146.45E–.05 169–5 3.5b 72 1-153
ISCJB X 10 05 18 27.1–.38 44.58N–.05 146.43E–.06 174–3 3.6b **¶601997714**
SKHL X 10 05 18 27.7–.40 44.65N 146.47E 154–4 4.4b
MOS X 10 05 18 27.7–1.3 44.81N 146.33E 162 3.8b
JMA X 10 05 18 29.7–.50 44.49N 146.44E 157 3.7
IDC X 10 05 18 29.6–2.0 44.68N 146.31E 179–19 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.2km az=143.5.
MOS Error ellipse: s-maj=15.9km s-min=10.9km az=72.3.
JMA Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=18.3km s-min=16.8km az=157.0.
KRSC X 10 13 11 15.6–1.2 50.46N 157.00E 43–16 3.6L
¶604184037

KRSC Event type se.
ISC X 11 05 01 37.8–2.9 44.0N–.10 147.8E–.10 34–4 16 1-3
JMA X 11 05 01 38.1–.30 43.79N 147.64E 24 3.6 **¶603687584**
SKHL X 11 05 01 38.3–.90 43.94N 147.81E 46–3 4.3b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC X 12 20 09 14.0–2.5 44.9N–.10 149.1E–.20 116–11 46 1-54
SKHL X 12 20 09 15.9–.50 44.69N 149.19E 56–3 4.3b **¶603688606**
JMA X 12 20 09 17.8–.40 44.78N 148.74E 116 3.9
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
IDC X 13 01 33 16.1–2.0 46.55N 152.52E 0 4.1,4.0b
¶601874151

IDC Error ellipse: s-maj=56.7km s-min=33.7km az=20.0.
ISC X 13 10 33 54.2–2.4 45.1N–.20 152.0E–.20 41 22 3-9
ISCJB X 13 10 33 52.3–1.2 45.1N–.10 152.0E–.10 41 **¶601874152**
SKHL X 13 10 33 55.2–.80 45.31N 151.83E 36–3 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=8.5km az=151.5.
KRSC X 13 10 56 32.0–1.1 49.06N 156.08E 14–13 3.8L
¶604184039

KRSC Event type se.
ISC X 14 09 41 60.0–.37 48.26N–.03 154.59E–.03 47–2 5.6b,5.4s 2250 3-156
NIED X 14 09 41 00 48.10N 155.10E 29 5.7W,5.4s **¶601833194**
BJI X 14 09 41 53.7 48.48N 155.13E 34 5.4b,5.4b
JMA X 14 09 41 55.7–.70 48.13N 155.15E 30 5.7,5.4b
KRSC X 14 09 41 57.9–1.7 48.21N 154.79E 94–34 6.1L,5.4b
NEIC X 14 09 41 59.0–.07 48.31N 154.43E 35 5.7W,5.7W
ISCJB X 14 09 41 58.5–.27 48.29N–.02 154.53E–.02 46–2 5.5b,5.4s
NEIC X 14 09 41 58.0–.00 48.22N 154.61E 45 5.5b,5.4s
MOS X 14 09 41 59.6–.98 48.33N 154.56E 58 5.7b,5.3s
SKHL X 14 09 41 59.6–.20 48.08N 154.84E 60–2 6.1b,6.0
GCMT X 14 09 42 02.0–.10 48.27N–.01 154.81E–.01 46–0 5.8W,6.0
IDC X 14 09 42 02.3–1.9 48.33N 154.43E 66–16 5.3s,5.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ56.00000°,λ22.00000°. NP2:ϕ_s273.00000°,δ72.00000°,λ144.00000°. M_o3.94000×10^{17}
JMA Error ellipse: s-maj=10.0km s-min=8.9km az=-1.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.5km az=159.0. Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}4.27 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$-2.23 $M_{r\theta}$1.29 $M_{\theta\phi}$-3.41 $M_{\phi r}$-1.18 Best double couple: NP1:ϕ_s67.00000°,δ50.00000°,λ123.00000°. NP2:ϕ_s201.00000°,δ50.00000°,λ57.00000°. Principal axes: T 5.0700,Plg65.0000°,Azm44.0000° ; N 0.4800,Plg25.0000°,Azm224.0000°; P -5.5500,Plg0.0000°,Azm134.0000° M_o5.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.4km az=155.1.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}3.94 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.53 $M_{\theta\phi}$-2.20 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s55.00000° ,δ54.00000°,λ110.00000°. NP2:ϕ_s203.00000°,δ41.00000°,λ65.00000°. Principal axes: T 4.4000,Plg72.0000°,Azm19.0000°; N -0.0700,Plg16.0000°,Azm222.0000° ; P -4.3300,Plg6.0000°,Azm130.0000° M_o4.40000×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=75.4. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c286; s137,c375; Duration: 1$\hat{s}$9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.31±.06 $M_{\theta\theta}$-3.09±.05; $M_{\phi\phi}$-2.21±.05; $M_{r\theta}$1.59±.05; $M_{\theta\phi}$-3.68±.03; $M_{\phi r}$-1.50±.05; Best double couple: NP1:ϕ_s70.00000°,δ50.00000° ,λ120.00000°. NP2:ϕ_s207.00000°,δ48.00000°,λ59.00000°. Principal axes: T 6.2290,Plg67.0000°,Azm46.0000°; N 0.1400,Plg23.0000°,Azm229.0000° ; P -6.3600,Plg1.0000°,Azm139.0000° M_o6.29400×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=8.0km az=134.0.
ISC X 14 09 54 49.6–.89 48.43N–.10 154.8E–.10 100 3.6b 79 2-78
KRSC X 14 09 54 44.9–2.1 48.29N 155.05E 142–31 4.4L **¶601834395**
SKHL X 14 09 54 46.0–.60 48.36N 155.13E 92–8 5.3s,4.0b
ISCJB X 14 09 54 47.4–.66 48.38N–.07 155.0E–.10 100 3.6b,4.0b
IDC X 14 09 54 49.3–2.6 48.38N 154.50E 83–23 3.9,3.7
MOS X 14 09 54 50.3–.82 48.60N 155.07E 132 4.0b,3.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=3.7km az=41.9.
IDC Error ellipse: s-maj=23.8km s-min=16.1km az=118.0.
MOS Error ellipse: s-maj=29.3km s-min=5.3km az=74.3.
ISC X 14 11 09 36.2–.67 48.33N–.04 154.54E–.04 54–5 5.1b 1343 3-154
GCMT X 14 11 09 28.5–.50 48.20N–.03 155.37E–.05 32–1 5.5W **¶601834622**
BJI X 14 11 09 29.7 48.22N 154.96E 34 5.4s,5.2
KRSC X 14 11 09 32.4–1.9 48.14N 154.92E 82–33 5.6L,5.2
ISCJB X 14 11 09 34.6–.35 48.35N–.02 154.50E–.02 52–2 5.7s,5.1b
NEIC X 14 11 09 34.5–.09 48.35N 154.43E 35 5.1b,5.1b
SKHL X 14 11 09 36.4–.20 48.30N 154.60E 73–5 5.6b,5.2
MOS X 14 11 09 36.8–1.0 48.48N 154.45E 73 5.3b,4.0s
IDC X 14 11 09 37.7–2.3 48.38N 154.46E 66–20 5.0,4.9
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c52; s41,c53;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.09 $M_{\theta\theta}$-0.05±.09; $M_{\phi\phi}$-1.25±.08; $M_{r\theta}$-0.62±.12; $M_{\theta\phi}$-1.07±.05; $M_{\phi r}$-0.75±.10; Best double couple: NP1:ϕ_s218.00000°,δ61.00000°,λ99.00000°. NP2:ϕ_s20.00000°,δ30.00000°,λ74.00000°. Principal axes: T 1.5990,Plg72.0000° ,Azm149.0000°; N 0.5520,Plg8.0000°,Azm34.0000°; P -2.1450,Plg16.0000°,Azm301.0000° M_o1.87200×10^{17}
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=1.8km az=157.8.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=1.7km az=162.0.
MOS Error ellipse: s-maj=6.9km s-min=2.9km az=71.3.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=145.0.
ISC X 14 12 16 53.3–.64 48.28N–.08 154.70E–.08 51 4.2b 161 3-91
IDC X 14 12 16 47.2–.76 48.39N 154.47E 0 4.2,4.1 **¶601834402**
ISCJB X 14 12 16 52.5–.35 48.37N–.05 154.54E–.08 51 4.3b,4.1
KRSC X 14 12 16 52.5–1.6 48.21N 156.57E 17–43 4.7L,4.1
MOS X 14 12 16 52.5–2.2 48.21N 156.57E 17 4.3b,4.1
NEIC X 14 12 16 54.5–.96 48.34N 154.54E 54–9 4.3b,4.1
SKHL X 14 12 16 54.1–1.2 48.43N 154.43E 76–2 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=15.3km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.1km az=42.4.
KRSC Event type se.
MOS Error ellipse: s-maj=13.7km s-min=4.8km az=80.9.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=6.4km az=144.0.
ISC X 14 14 16 51.8–.66 48.22N–.04 154.64E–.04 54–5 5.0b,4.2s 912 3-154
KRSC X 14 14 16 48.5–2.2 48.15N 154.94E 66–35 5.3L,4.2s **¶601834057**
BJI X 14 14 16 48.2 48.46N 155.12E 52 5.1b,4.8b
ISCJB X 14 14 16 50.4–.32 48.28N–.02 154.62E–.02 50–2 4.9b,4.1s
SKHL X 14 14 16 50.8–.80 48.14N 154.97E 64–5 5.4b,5.4s
MOS X 14 14 16 51.8–1.0 48.36N 154.61E 63 5.1b,5.4s
NEIC X 14 14 16 53.3–.55 48.38N 154.45E 62–4 5.0b,5.4s
GCMT X 14 14 16 53.3–.30 48.33N–.02 154.79E–.02 46–1 5.0W,5.4s
IDC X 14 14 16 54.9–2.3 48.39N 154.46E 75–20 4.6,4.4
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=1.8km az=148.7.
MOS Error ellipse: s-maj=6.4km s-min=3.0km az=74.5.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=1.9km az=160.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c52; s74,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.18 $M_{\theta\theta}$-1.22±.12; $M_{\phi\phi}$-1.84±.11; $M_{r\theta}$1.31±.10; $M_{\theta\phi}$-2.13±.07; $M_{\phi r}$-0.48±.08; Best double couple: NP1:ϕ_s62.00000°,δ54.00000°,λ119.00000°. NP2:ϕ_s199.00000°,δ45.00000°,λ57.00000°. Principal axes: T 3.6560,Plg66.0000° ,Azm32.0000°; N 0.0640,Plg23.0000°,Azm224.0000°; P -3.7200,Plg4.0000°,Azm132.0000° M_o3.68800×10^{16}
IDC Error ellipse: s-maj=12.7km s-min=9.5km az=132.0.
ISC X 14 15 55 51.7–.71 48.26N–.09 154.75E–.09 43 3.8b,2.9s 103 3-78
ISCJB X 14 15 55 50.4–.50 48.23N–.06 154.76E–.09 43 3.9b,2.9s **¶601834410**
KRSC X 14 15 55 50.2–1.7 48.20N 154.89E 101–35 4.3L,2.9s
SKHL X 14 15 55 50.4–.00 47.92N 155.39E 68–6 4.6b,2.9s
MOS X 14 15 55 52.7–.92 48.37N 154.63E 72 4.1b,2.9s
IDC X 14 15 55 57.1–3.2 48.35N 154.38E 92–28 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=3.4km az=43.0.
KRSC Event type se.
MOS Error ellipse: s-maj=14.7km s-min=4.7km az=72.4.
IDC Error ellipse: s-maj=16.6km s-min=12.7km az=138.0.
ISC X 14 19 04 46.8–2.6 48.1N–.20 155.1E–.20 35 54 3-6
MOS X 14 19 04 44.4–2.8 48.18N 155.90E 10 4.2b **¶601834413**
KRSC X 14 19 04 44.4–2.1 48.18N 155.90E 10–50 4.0L
SKHL X 14 19 04 47.3–.40 48.17N 154.72E 52–5 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=93.8km s-min=6.7km az=79.2.
KRSC Event type se.
KRSC X 15 00 55 10.4–1.2 50.01N 156.47E 62–16 3.9L
¶604184045

KRSC Event type se.
ISC X 15 06 01 19.0–.48 48.25N–.06 154.76E–.07 51 4.6b,3.6s 265 3-147
KRSC X 15 06 01 16.8–2.0 48.10N 155.40E 118–33 5.2L,3.6s **¶601834418**
ISCJB X 15 06 01 18.1–.26 48.36N–.04 154.60E–.05 51 4.6b,3.6s
SKHL X 15 06 01 18.0–.40 48.11N 155.04E 67–6 5.0b,3.6s
MOS X 15 06 01 19.7–1.0 48.46N 154.63E 66 4.7b,3.6s
NEIC X 15 06 01 19.8–.75 48.31N 154.46E 54–6 4.8b,3.6s
IDC X 15 06 01 21.0–3.2 48.43N 154.52E 62–28 4.4,4.2
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=2.6km az=44.7.
MOS Error ellipse: s-maj=11.3km s-min=3.5km az=73.6.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.1km az=149.0.
IDC Error ellipse: s-maj=17.9km s-min=12.4km az=158.0.
ISC X 15 10 24 03.9–.95 48.6N–.10 154.3E–.10 200 3.5b 90 2-77
MOS X 15 10 24 03.1–1.8 48.14N 155.17E 168 4.0b **¶601836448**

KRSC X 15 10 24 03.1–1.9 48.14N 155.17E 168–36 4.5L
IDC X 15 10 24 05.9–2.1 48.84N 153.13E 177–19 3.8,3.5
SKHL X 15 10 24 07.0–.50 49.03N 153.76E 172–5 5.2s,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=18.6km s-min=4.8km az=73.8.
KRSC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=124.0.
ISC X 15 12 29 33.2–.68 49.57N–.07 156.34E–.07 57 3.7b,3.4s 117 1-131
KRSC X 15 12 29 28.8–2.5 49.47N 156.53E 58–36 4.7L,3.4s **¶601836449**
ISCJB X 15 12 29 31.9–.43 49.63N–.05 156.16E–.10 57 3.7b,3.3s
MOS X 15 12 29 31.3–.89 49.59N 156.13E 56 4.0b,3.3s
IDC X 15 12 29 34.9–3.1 49.71N 156.04E 66–30 3.8,3.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=3.0km az=35.6.
MOS Error ellipse: s-maj=15.8km s-min=3.4km az=74.1.
IDC Error ellipse: s-maj=32.8km s-min=14.4km az=137.0.
KRSC X 15 13 06 56.7–.39 49.70N 156.76E 16–4 3.6L
¶604184046
KRSC Event type se.
ISC X 15 17 18 37.2–.55 48.62N–.08 153.44E–.07 140 4.0b 161 3-148
ISCJB X 15 17 18 36.3–.34 48.64N–.05 153.31E–.07 140 3.9b **¶601835746**
KRSC X 15 17 18 37.5–1.4 47.91N 155.65E 145–24 4.2L
MOS X 15 17 18 38.3–2.5 48.00N 155.51E 159 4.0b
SKHL X 15 17 18 38.0–.20 48.44N 153.68E 146–4 5.3s,4.9b
IDC X 15 17 18 40.9–1.9 48.70N 153.27E 174–17 4.1,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=2.8km az=136.8.
KRSC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=5.2km az=77.8.
IDC Error ellipse: s-maj=14.0km s-min=8.9km az=148.0.
ISC X 15 23 20 33.6–2.7 43.67N–.09 146.14E–.09 119–15 24 0-2
ISCJB X 15 23 20 34.1–1.2 43.65N–.08 146.09E–.08 115–7 **¶603690281**
SKHL X 15 23 20 34.5–.60 43.91N 146.14E 118–1 4.8s,4.6b
JMA X 15 23 20 35.0–.20 43.64N 146.05E 113–2 3.4,4.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=8.8km az=153.4.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC X 16 12 41 24.9–.29 49.57N–.03 156.52E–.03 76–2 6.1b 2446 1-158
BJI X 16 12 41 20.8 49.51N 156.52E 63 6.0b,5.7b **¶601836659**
KRSC X 16 12 41 21.6–1.6 49.52N 156.67E 93–28 6.3L,5.7b
ISCJB X 16 12 41 23.2–.28 49.58N–.01 156.49E–.02 73–2 6.0b,5.7b
NEIC X 16 12 41 24.0–.00 49.60N 156.46E 80 6.0b,5.7b
IDC X 16 12 41 25.1–1.4 49.59N 156.43E 77–11 5.9,5.6
MOS X 16 12 41 25.0–.94 49.69N 156.45E 92 6.2b,5.6
GCMT X 16 12 41 25.8–.10 49.57N–.01 156.74E–.01 81–0 5.6W,5.6
NEIC X 16 12 41 25.8–.38 49.62N 156.44E 81–3 6.2b,5.6W
ISC Event type se.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.5km az=161.9.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.74 $M_{\phi\phi}$0.47 $M_{r\theta}$0.26 $M_{\theta f}$1.31 $M_{\phi f}$2.19 Best double couple: NP1:ϕ_s196.00000° ,δ76.00000°,λ-116.00000°. NP2:ϕ_s79.00000°,δ30.00000°,λ-29.00000°. Principal axes: T 2.7500,Plg25.0000°,Azm306.0000°; N 0.0600,Plg25.0000°,Azm202.0000° ; P -2.8000,Plg52.0000°,Azm74.0000° M_o2.80000×10^{17}
IDC Error ellipse: s-maj=9.1km s-min=7.0km az=121.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.0km az=78.3. Fault plane solution: P-wave C86, D226 . Felt (V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s209.00000°,δ84.00000°,λ-108.00000°. NP2: ϕ_s101.00000°,δ19.00000°,λ-19.00000°. Principal axes: T Plg36.0000°,Azm315.0000° ; N Plg18.0000°,Azm211.0000°; P Plg48.0000°,Azm100.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c222; s139,c333; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33±.03 $M_{\theta\theta}$0.80±.03; $M_{\phi\phi}$0.53±.03; $M_{r\theta}$0.36±.02; $M_{\theta f}$1.59±.03; $M_{\phi f}$2.13±.02; Best double couple: NP1:ϕ_s197.00000°,δ74.00000° ,λ-119.00000°. NP2:ϕ_s80.00000°,δ33.00000°,λ-31.00000°. Principal axes: T 3.0080,Plg23.0000°,Azm309.0000°; N -0.1790,Plg28.0000°,Azm206.0000° ; P -2.8280,Plg52.0000°,Azm73.0000° M_o2.91800×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.5km az=158.0. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.62 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.75 $M_{r\theta}$0.41 $M_{\theta f}$0.78 $M_{\phi f}$2.41 Best double couple: NP1:ϕ_s63.00000°,δ21.00000°,λ-47.00000°. NP2:ϕ_s198.00000° ,δ75.00000°,λ-105.00000°. Principal axes: T 2.6800,Plg28.0000°,Azm300.0000° ; N 0.4400,Plg14.0000°,Azm202.0000°; P -3.1200,Plg58.0000°,Azm88.0000° M_o2.90000×10^{17}
ISC X 16 13 07 11.9–.97 48.10N–.06 154.74E–.05 48–8 4.6b,3.8s 305 3-147
NIED X 16 13 07 00 48.10N 155.00E 26 4.4W,3.8s **¶601836660**
KRSC X 16 13 07 09.8–1.8 48.00N 155.34E 86–29 5.0L,3.8s
ISCJB X 16 13 07 10.7–.44 48.21N–.03 154.63E–.05 46–4 4.5b,3.9s
BJI X 16 13 07 10.7 48.32N 154.85E 62 5.1b,4.6s
SKHL X 16 13 07 11.5–.50 48.06N 154.97E 67–4 4.9b,4.6s
MOS X 16 13 07 12.0–1.1 48.24N 154.71E 62 4.7b,4.6s
NEIC X 16 13 07 14.4–.66 48.25N 154.52E 62–6 4.7b,4.6s
IDC X 16 13 07 15.9–2.2 48.35N 154.45E 73–19 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ49.00000°,λ175.00000°. NP2:ϕ_s1.00000°,δ86.00000°,λ41.00000°. M_o4.44000×10^{15}
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.6km az=137.8.
MOS Error ellipse: s-maj=9.4km s-min=3.5km az=73.2.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=145.0.
IDC Error ellipse: s-maj=12.7km s-min=9.7km az=131.0.
KRSC X 16 14 52 07.0–1.8 48.25N 155.78E 88–38 3.7L
¶604184049
KRSC Event type se.
KRSC X 18 00 04 54.2–.89 50.89N 157.14E 87–12 4.0L
¶604184051
KRSC Event type se.
ISC X 18 00 35 11.3–1.0 48.21N–.07 154.85E–.07 53–8 4.5b,3.7s 282 3-95
IDC X 18 00 35 04.1–.60 48.32N 154.53E 0 4.4,4.3 **¶601838149**
KRSC X 18 00 35 07.0–2.4 47.96N 155.28E 86–30 5.0L,4.3
BJI X 18 00 35 07.3 48.31N 155.17E 49 5.0b,4.6b
MOS X 18 00 35 07.0–3.1 47.96N 155.28E 86 4.3b,4.6b
SKHL X 18 00 35 08.7–.50 47.91N 155.37E 77–1 4.8b,4.6b
NEIC X 18 00 35 09.9–.28 48.28N 154.40E 35 4.6b,4.6b
ISCJB X 18 00 35 10.9–.58 48.33N–.04 154.62E–.06 56–4 4.5b,3.6s
ISC Event type se.
KRSC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 18 03 11 25.5–.64 48.15N–.08 154.85E–.08 35 4.0b 113 3-80
MOS X 18 03 11 23.6–3.2 47.97N 156.28E 30 4.1b **¶601838895**
KRSC X 18 03 11 23.6–1.4 47.97N 156.28E 30–26 4.5L
ISCJB X 18 03 11 24.2–.46 48.18N–.05 154.78E–.08 35 4.0b
SKHL X 18 03 11 26.2–.50 48.08N 155.03E 64–1 4.8b
IDC X 18 03 11 30.2–3.0 48.38N 154.44E 75–27 4.0,3.9
ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=4.6km az=78.6.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.1km az=42.5.
IDC Error ellipse: s-maj=18.9km s-min=12.1km az=150.0.
ISC X 18 12 29 14.9–.79 48.06N–.09 155.24E–.10 35 3.5b 72 3-76
ISCJB X 18 12 29 13.1–.59 48.09N–.07 155.1E–.10 33 3.5b **¶601838896**
KRSC X 18 12 29 14.5–1.8 48.18N 156.26E 22–30 4.3L
MOS X 18 12 29 14.5–2.9 48.18N 156.26E 22 4.4b
SKHL X 18 12 29 14.3–.10 47.89N 155.45E 60–1 4.2b
IDC X 18 12 29 18.1–3.4 48.18N 154.79E 68–32 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=4.0km az=40.2.
KRSC Event type se.
MOS Error ellipse: s-maj=19.8km s-min=5.3km az=76.5.
IDC Error ellipse: s-maj=36.4km s-min=15.3km az=143.0.

KRSC X 19 10 25 06.6–1.1 50.82N 157.11E 128–10 3.9L
¶604184058
KRSC Event type se.
ISC X 22 11 58 24.0–.42 50.02N–.05 157.08E–.04 48–3 4.9b,3.8s 837 1-150
KRSC X 22 11 58 19.7–1.8 49.89N 157.23E 48–26 5.3L,3.8s **¶601841792**
BJI X 22 11 58 21.2 50.29N 157.16E 44 4.9b,4.8b
MOS X 22 11 58 23.9–.88 50.11N 156.88E 57 5.0b,4.8b
ISCJB X 22 11 58 24.1–.41 50.07N–.03 156.98E–.03 61–3 4.8b,4.8b
NEIC X 22 11 58 26.2–.38 50.14N 156.83E 62–3 4.8b,4.8b
IDC X 22 11 58 27.5–1.6 50.16N 156.81E 75–14 4.6,4.4
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=2.9km az=83.8. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=158.0.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=135.0.
KRSC X 22 18 49 43.1–1.6 49.06N 156.91E 17–26 3.9L
¶604184060
KRSC Event type se.
ISC X 23 09 35 07.6–1.0 48.7N–.10 155.6E–.10 34 3.7b 64 2-75
ISCJB X 23 09 35 06.6–.76 48.69N–.08 155.4E–.20 34 3.7b **¶601844027**
KRSC X 23 09 35 08.6–2.1 48.89N 156.74E 6–37 4.5L
MOS X 23 09 35 08.6–2.2 48.89N 156.74E 6 4.0b
SKHL X 23 09 35 09.2–.20 48.76N 155.52E 60–9 4.5b
IDC X 23 09 35 12.3–4.6 48.99N 154.98E 78–39 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=5.6km az=38.1.
KRSC Event type se.
MOS Error ellipse: s-maj=27.9km s-min=5.3km az=80.5.
IDC Error ellipse: s-maj=92.9km s-min=18.1km az=148.0.
ISC X 24 13 31 45.7–2.3 43.5N–.10 146.9E–.10 47–21 19 0-2
JMA X 24 13 31 44.6–.30 43.35N 146.95E 41–4 3.0 **¶603694430**
ISCJB X 24 13 31 45.2–1.4 43.47N–.08 146.92E–.09 54–12 3.0
SKHL X 24 13 31 45.5–.80 43.37N 146.94E 39–2 4.5b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=7.9km az=144.5.
KRSC X 27 16 58 44.7–1.4 50.31N 157.08E 29–18 3.5L
¶604184071
KRSC Event type se.
ISC X 28 21 03 13.2–1.5 47.5N–.20 154.3E–.20 31 3.7b 9 6-73
ISCJB X 28 21 03 11.0–1.4 47.5N–.20 154.4E–.30 31 3.7b **¶602000148**
IDC X 28 21 03 15.9–3.9 47.55N 154.35E 60–34 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.8km s-min=14.8km az=39.1.
IDC Error ellipse: s-maj=36.3km s-min=22.2km az=109.0.
KRSC X 29 22 03 00.1–1.9 49.40N 156.74E 12–33 3.6L
¶604184075
KRSC Event type se.
ISC X 30 02 52 21.0–2.6 43.30N–.09 147.06E–.08 34–7 42 1-41
NIED X 30 02 52 00 43.20N 147.10E 32 3.8W **¶603302298**
ISCJB X 30 02 52 19.9–.94 43.28N–.06 147.11E–.08 49–9 3.7b
JMA X 30 02 52 19.2–.30 43.24N 147.12E 36 3.7
MOS X 30 02 52 20.1–.80 43.38N 147.11E 45 4.2b
SKHL X 30 02 52 20.2–.20 43.27N 147.15E 60–2 4.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s113.00000°,δ8.00000°,λ-81.00000°. NP2:ϕ_s284.00000°,δ82.00000°,λ-91.00000°. M_o5.25000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.6km az=44.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=24.7km s-min=13.9km az=112.5.
ISC X 30 03 12 43.1–3.2 44.38N–.06 149.58E–.07 25–23 4.1b 121 1-81
IDC X 30 03 12 40.7–1.0 44.63N 149.38E 0 5.0,5.0s **¶601867621**
JMA X 30 03 12 43.8–1.0 44.74N 149.55E 30 4.4,5.0s
SKHL X 30 03 12 45.5–.50 44.58N 149.55E 55–2 4.3b,5.0s
NEIC X 30 03 12 45.8–.49 44.61N 149.38E 35 4.3b,5.0s
MOS X 30 03 12 46.6–1.2 44.53N 149.26E 56 4.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=22.6km az=146.0.
JMA Error ellipse: s-maj=7.8km s-min=8.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.0km az=144.0.
MOS Error ellipse: s-maj=10.4km s-min=9.8km az=156.1.
KRSC X 31 08 51 59.8–1.4 49.95N 156.81E 61–23 3.7L
¶604184083
KRSC Event type se.
ISC X 31 17 06 46.4–.94 45.43N–.10 151.90E–.09 30 3.7b 36 3-79
ISCJB X 31 17 06 45.4–.77 45.51N–.09 151.86E–.09 30 3.6b,2.9s **¶602000647**
MOS X 31 17 06 46.4–2.1 45.40N 151.84E 40 3.9b,2.9s
SKHL X 31 17 06 46.4–.40 45.47N 151.98E 53–3 4.2b,2.9s
IDC X 31 17 06 50.5–3.3 45.86N 151.74E 68–28 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=5.9km az=147.8.
MOS Error ellipse: s-maj=13.3km s-min=9.9km az=61.5.
IDC Error ellipse: s-maj=31.3km s-min=18.1km az=124.0.
ISC XI 01 06 57 22.7–.47 49.32N–.04 155.70E–.03 59–3 5.2b,4.5s 1404 1-157
BJI XI 01 06 57 17.2 49.36N 156.09E 45 5.2b,5.0b **¶601867061**
KRSC XI 01 06 57 19.8–2.3 49.30N 155.78E 76–30 5.5L,5.0b
ISCJB XI 01 06 57 21.4–.36 49.36N–.02 155.61E–.02 56–2 5.2b,4.4s
MOS XI 01 06 57 22.4–1.1 49.39N 155.61E 71 5.4b,4.4s
IDC XI 01 06 57 22.1–.50 49.41N 155.52E 49–4 5.0,4.8
GCMT XI 01 06 57 22.5–.20 49.23N–.02 155.89E–.02 40–0 5.1W,4.8
NEIC XI 01 06 57 23.5–.45 49.40N 155.49E 60–4 5.2b,4.8
ISC Event type se.
KRSC Event type se. FELT [II] at cape Vasilyeva, Severo-Kurilsk; [felt] at RNS Podgornay, lighthouse Chibuiny, lighthouse Kurbatova, cape Lopatka no.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=1.8km az=157.8.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=3.6km az=73.4. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=151.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c108; s94,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.18±.14 $M_{\theta\theta}$-1.22±.11; $M_{\phi\phi}$-2.97±.10; $M_{r\theta}$0.65±.10; $M_{\theta f}$-2.41±.07; $M_{\phi f}$2.38±.09; Best double couple: NP1:ϕ_s25.00000°,δ60.00000°,λ79.00000°. NP2:ϕ_s226.00000°,δ32.00000°,λ108.00000°. Principal axes: T 4.9010,Plg73.0000° ,Azm267.0000°; N 0.3280,Plg10.0000°,Azm31.0000°; P -5.2390,Plg14.0000°,Azm123.0000° M_o5.07000×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=157.0.
KRSC XI 02 12 00 57.8–1.6 49.25N 156.40E 7–24 3.9L
¶604184087
KRSC Event type se.
ISC XI 02 17 56 06.7–1.1 43.40N–.07 146.82E–.05 45–9 3.8b 69 0-83
NIED XI 02 17 56 00 43.40N 146.80E 50 3.9W **¶602388731**
MOS XI 02 17 56 04.4–1.4 43.30N 146.87E 49 4.2b
ISCJB XI 02 17 56 06.0–.72 43.42N–.06 146.81E–.06 56–5 3.8b
JMA XI 02 17 56 06.6–.30 43.37N 146.77E 36–3 4.0
SKHL XI 02 17 56 07.1–.50 43.47N 146.81E 59–5 4.4b
IDC XI 02 17 56 07.3–2.6 43.39N 146.75E 53–23 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ25.00000°,λ41.00000°. NP2:ϕ_s84.00000°,δ74.00000°,λ109.00000°. M_o7.58000×10^{14}
MOS Error ellipse: s-maj=10.9km s-min=8.0km az=91.5.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.2km az=143.7.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=17.5km az=165.0.
ISC XI 02 17 58 57.9–2.1 43.5N–.10 146.80E–.09 45–20 17 0-2
ISCJB XI 02 17 58 57.3–1.3 43.46N–.09 146.80E–.08 50–12 **¶603699414**
JMA XI 02 17 58 57.0–.30 43.39N 146.80E 41–4 2.7
SKHL XI 02 17 58 58.0–.50 43.44N 146.84E 45–4 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=6.9km az=149.2.

JMA Error ellipse: s-maj=4.4km s-min=2.4km az=-1.0.
IDC XI 03 01 11 14.9–1.5 48.05N 155.62E 0 4.3,4.3s
¶602388748

IDC Error ellipse: s-maj=57.4km s-min=28.5km az=130.0.
JMA XI 03 15 43 56.6–.50 45.55N 146.43E 270 3.5
¶606055559

JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
ISC XI 04 19 49 06.5–.62 45.35N–.08 151.40E–.06 32 4.0b 136 2-149
NIED XI 04 19 49 00 45.60N 151.50E 47 4.3W **¶602031618**
MOS XI 04 19 49 04.9–.94 45.42N 151.55E 31 4.4b
JMA XI 04 19 49 05.1–.50 45.55N 151.52E 30 4.6
ISCJB XI 04 19 49 05.3–.51 45.32N–.07 151.45E–.07 32 3.9b,2.8s
SKHL XI 04 19 49 06.6–1.0 45.51N 151.47E 55–4 4.5b,2.8s
IDC XI 04 19 49 08.8–2.3 45.43N 151.45E 48–20 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s153.00000°,δ8.00000°,λ-180.00000°. NP2:ϕ_s62.00000°,δ90.00000°,λ-82.00000°. $M_0$3.48000×10^{15}
MOS Error ellipse: s-maj=10.8km s-min=7.9km az=54.9.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=3.3km az=146.2.
IDC Error ellipse: s-maj=19.1km s-min=13.5km az=121.0.
KRSC XI 05 06 37 29.4–1.3 49.58N 156.84E 46–21 3.8L
¶604184091

KRSC Event type se.
ISC XI 05 13 02 46.9–2.5 43.29N–.10 146.48E–.07 25–15 26 1-51
JMA XI 05 13 02 48.3–.20 43.29N 146.41E 51–1 2.9 **¶603700719**
SKHL XI 05 13 02 48.0–1.1 43.25N 146.44E 36–2 3.5b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC XI 05 14 14 30.1–3.0 44.89N–.08 148.4E–.20 115–13 28 0-13
NIED XI 05 14 14 00 44.60N 148.30E 98 3.9W **¶603700753**
SKHL XI 05 14 14 31.2–1.2 44.91N 148.28E 111–7 5.4s,4.4b
JMA XI 05 14 14 33.1–.70 44.60N 148.26E 114 3.7,4.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s112.00000°,δ23.00000°,λ168.00000°. NP2:ϕ_s213.00000°,δ85.00000°,λ68.00000°. $M_0$8.59000×10^{14}
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
ISC XI 06 02 50 26.7–.90 48.01N–.10 155.2E–.10 35 3.6b 71 3-70
IDC XI 06 02 50 22.0–1.0 48.07N 154.96E 0 3.8,3.6 **¶601877562**
MOS XI 06 02 50 24.3–1.3 47.97N 156.07E 29 3.9b,3.6
ISCJB XI 06 02 50 25.4–.64 48.08N–.07 155.0E–.10 33 3.5b,3.6
KRSC XI 06 02 50 28.4–1.9 48.17N 156.62E 24–31 4.4L,3.6
SKHL XI 06 02 50 29.7–.40 48.28N 154.45E 60–4 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=15.9km az=136.0.
MOS Error ellipse: s-maj=24.8km s-min=4.8km az=73.6.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=4.2km az=37.9.
KRSC Event type se.
ISC XI 06 08 25 11.3–2.0 43.46N–.08 147.00E–.07 13–11 24 0-3
JMA XI 06 08 25 10.2–.40 43.39N 147.16E 23 3.6 **¶603701046**
ISCJB XI 06 08 25 12.7–1.5 43.39N–.06 147.00E–.07 27–7 3.6
SKHL XI 06 08 25 13.8–1.0 43.36N 146.95E 35–5 4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=6.5km az=144.0.
ISC XI 06 13 03 41.2–1.4 44.47N–.07 149.66E–.08 52–12 4.0b,3.5s 81 1-86
NIED XI 06 13 03 00 44.60N 149.80E 23 4.1W,3.5s **¶602388912**
JMA XI 06 13 03 38.0–.80 44.61N 149.80E 30 4.1,3.5s
SKHL XI 06 13 03 39.0–1.2 44.37N 149.92E 60–2 4.4b,3.5s
ISCJB XI 06 13 03 39.7–.88 44.49N–.06 149.68E–.08 55–7 4.0b,3.6s
MOS XI 06 13 03 41.9–.88 44.60N 149.47E 68 4.2b,3.6s
IDC XI 06 13 03 42.3–2.9 44.53N 149.61E 58–25 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s229.00000°,δ32.00000°,λ96.00000°. NP2:ϕ_s42.00000°,δ59.00000°,λ86.00000°. $M_0$1.71000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=7.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.4km az=139.5.
MOS Error ellipse: s-maj=9.9km s-min=8.9km az=82.1.
IDC Error ellipse: s-maj=21.2km s-min=15.1km az=136.0.
ISC XI 07 04 36 03.0–.88 48.02N–.09 155.2E–.10 35 3.7b 65 3-76
ISCJB XI 07 04 36 02.1–.65 48.06N–.07 155.2E–.20 35 3.8b **¶601880492**
MOS XI 07 04 36 02.5–2.5 48.10N 156.41E 16 4.1b
KRSC XI 07 04 36 02.5–1.6 48.10N 156.41E 16–33 4.2L
SKHL XI 07 04 36 04.0–.30 48.03N 156.22E 20–3 4.3b
IDC XI 07 04 36 05.3–5.0 48.27N 154.46E 55–44 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=6.1km az=24.9.
MOS Error ellipse: s-maj=33.9km s-min=5.7km az=80.8.
KRSC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=20.5km az=154.0.
KRSC XI 07 10 41 37.1–2.2 49.61N 156.98E 15–35 3.5L
¶604184097

KRSC Event type se.
KRSC XI 07 15 42 26.8–1.4 50.56N 157.34E 48–19 3.6L
¶604184098

KRSC Event type se.
KRSC XI 08 06 02 11.6–1.3 50.55N 157.03E 56–18 3.6L
¶604184100

KRSC Event type se.
ISC XI 08 17 30 30.5–1.2 48.1N–.10 155.7E–.10 27 3.9b,3.2s 33 3-79
IDC XI 08 17 30 26.9–2.0 48.09N 155.37E 0 3.9,3.8 **¶602006308**
KRSC XI 08 17 30 28.5–1.3 48.10N 156.62E 16–26 3.9L,3.8
ISCJB XI 08 17 30 29.2–.88 48.14N–.09 155.5E–.20 27 3.8b,3.1s
NEIC XI 08 17 30 32.8–1.1 48.23N 155.35E 35 4.1b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=27.5km az=150.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=4.8km az=35.3.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=8.9km az=137.0.
KRSC XI 08 19 12 43.0–1.4 50.68N 157.94E 48–20 4.0L
¶604184103

KRSC Event type se.
ISC XI 09 21 16 00.4–.61 46.06N–.10 151.07E–.08 100 4.1b 102 2-150
ISCJB XI 09 21 15 59.2–.43 46.18N–.07 151.04E–.09 100 4.0b **¶601991624**
NIED XI 09 21 16 00 45.40N 151.00E 98 4.0W
MOS XI 09 21 16 01.4–.88 45.24N 150.94E 92 3.9b
IDC XI 09 21 16 03.8–2.1 46.35N 150.81E 124–19 4.1,3.9
SKHL XI 09 21 16 03.0–1.3 45.24N 151.47E 90–4 4.5b,3.9
JMA XI 09 21 16 04.9–.50 45.37N 151.02E 122 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=3.7km az=138.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ20.00000°,λ115.00000°. NP2:ϕ_s190.00000°,δ72.00000°,λ81.00000°. $M_0$1.25000×10^{15}
MOS Error ellipse: s-maj=15.4km s-min=8.7km az=53.0.
IDC Error ellipse: s-maj=15.3km s-min=10.2km az=149.0.
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
KRSC XI 09 23 00 23.4–2.6 50.31N 157.11E 42–22 3.8L
¶604184105

KRSC Event type se.
SKHL XI 11 01 08 49.8–1.0 48.73N 155.98E 25–2
MOS XI 11 01 08 49.8–2.6 48.78N 156.35E 39 4.4b **¶601885133**
KRSC XI 11 01 08 49.9–1.7 48.78N 156.35E 38–28 4.3L
MOS Error ellipse: s-maj=67.5km s-min=6.0km az=79.8.
KRSC Event type se.
KRSC XI 11 06 29 36.0–1.6 50.52N 157.61E 45–21 3.8L
¶604184106

KRSC Event type se.
ISC XI 11 07 25 28.3–1.0 46.6N–.20 152.5E–.10 150 3.4b 27 4-78
IDC XI 11 07 25 06.8–2.7 46.04N 151.69E 0 3.9,3.8b **¶602389206**
SKHL XI 11 07 25 27.8–.20 46.38N 152.56E 182–1 5.1s,4.2b
JMA XI 11 07 25 31.6–.50 45.83N 152.68E 176 3.5,4.2b

ISC Event type ke.
IDC Error ellipse: s-maj=66.6km s-min=34.9km az=5.0.
JMA Error ellipse: s-maj=8.9km s-min=6.2km az=-1.0.
SKHL XI 11 18 49 42.7–.70 45.21N 150.25E 87–3 5.3s,4.5b
JMA XI 11 18 49 46.5–.60 44.97N 149.88E 108 3.8,4.5b **¶603703300**
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
ISC XI 11 23 16 42.8–.51 49.27N–.05 155.45E–.04 61–4 5.0b 568 1-153
KRSC XI 11 23 16 39.6–1.8 49.16N 155.73E 81–30 5.8L **¶601884083**
ISCJB XI 11 23 16 41.8–.40 49.33N–.03 155.36E–.03 62–3 5.0b
MOS XI 11 23 16 42.0–.93 49.33N 155.36E 67 5.1b,4.6s
BJI XI 11 23 16 42.0 49.40N 155.20E 66 5.6b,5.5s
NEIC XI 11 23 16 44.3–.54 49.36N 155.21E 71–5 5.1b,5.5s
IDC XI 11 23 16 45.2–1.9 49.38N 155.22E 80–17 5.1s,5.1
ISC Event type se.
KRSC Event type se. FELT [III-IV] at Severo-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.4km az=148.5.
MOS Event type fe. Error ellipse: s-maj=8.1km s-min=3.0km az=73.4. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=152.0.
IDC Error ellipse: s-maj=12.0km s-min=7.7km az=143.0.
ISC XI 12 12 52 20.2–2.5 43.57N–.09 147.6E–.10 29–17 28 1-4
SKHL XI 12 12 52 18.7–.80 43.46N 147.78E 42–7 4.4b **¶603703503**
JMA XI 12 12 52 19.2–.30 43.41N 147.48E 12 3.5
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 13 05 10 14.6–1.2 48.64N–.10 155.9E–.10 35 3.6b 45 2-71
IDC XI 13 05 10 04.8–1.6 48.39N 155.11E 0 4.1s,4.1 **¶602051387**
MOS XI 13 05 10 10.6–2.5 48.60N 156.34E 30 4.3b,4.1
SKHL XI 13 05 10 10.9–.80 48.46N 156.23E 35–2 4.2b,4.1
KRSC XI 13 05 10 10.7–1.5 48.60N 156.34E 30–21 4.2L,4.1
ISCJB XI 13 05 10 12.1–.88 48.59N–.07 156.0E–.20 33 4.0s,3.4b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC XI 13 19 29 46.9–2.6 50.20N 157.36E 48–26 4.0L
MOS XI 13 19 29 46.9–2.6 50.20N 157.36E 48 4.2b **¶601901479**
KRSC Event type se.
MOS Error ellipse: s-maj=33.5km s-min=5.5km az=81.4.
ISC XI 13 19 56 52.2–3.2 44.5N–.10 148.3E–.20 20–11 16 1-4
JMA XI 13 19 56 52.3–.50 44.20N 148.11E 0 3.6 **¶603703916**
SKHL XI 13 19 56 53.2–.80 44.51N 148.28E 30–4 4.0b
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=4.8km az=-1.0.
KRSC XI 14 09 32 29.6–2.6 49.30N 156.73E 7–40 3.7L
¶604184115

KRSC Event type se.
ISC XI 15 15 46 11.2–2.0 43.8N–.10 147.46E–.10 45–17 34 0-3
ISCJB XI 15 15 46 10.9–1.1 43.77N–.08 147.42E–.09 51–12 **¶603498365**
JMA XI 15 15 46 10.3–.30 43.58N 147.34E 15 3.7
SKHL XI 15 15 46 11.4–1.1 43.73N 147.41E 54–4 4.2b
MOS XI 15 15 46 12.5–.18 43.87N 147.29E 32 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=6.9km az=142.8.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=40.7km s-min=28.4km az=177.8.
IDC XI 16 06 34 54.0–2.5 48.54N 151.23E 0 4.2,4.1
¶602389489

IDC Error ellipse: s-maj=92.6km s-min=22.8km az=70.0.
ISC XI 16 13 08 03.1–.58 44.36N–.06 146.04E–.05 172–5 3.9b 120 0-83
ISCJB XI 16 13 08 02.2–.28 44.38N–.04 146.06E–.05 176–2 4.0b **¶601992254**
MOS XI 16 13 08 02.6–1.2 45.00N 145.73E 147 4.0b
SKHL XI 16 13 08 03.7–.80 44.88N 146.00E 146–2 5.5s,4.9b
IDC XI 16 13 08 03.6–1.5 44.45N 145.99E 174–13 4.0,3.7
JMA XI 16 13 08 04.1–.20 44.23N 146.09E 170–2 3.6,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=143.5.
MOS Error ellipse: s-maj=13.8km s-min=8.1km az=108.8.
IDC Error ellipse: s-maj=12.9km s-min=10.1km az=134.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 16 18 12 43.3–.29 49.24N–.02 155.65E–.03 51–2 6.3s,6.1b 2694 1-171
IDC XI 16 18 12 35.5–.32 49.28N 155.49E 0 6.2,6.2s **¶606632346**
KRSC XI 16 18 12 38.7–1.6 49.02N 155.90E 68–27 6.7L,6.2s
BJI XI 16 18 12 38.2 49.21N 155.49E 30 6.5,6.5s
NEIC XI 16 18 12 39.0–.00 49.17N 155.63E 50 6.5,6.5s
NEIC XI 16 18 12 39.9–.06 49.28N 155.43E 29 6.5W,6.5W
ISCJB XI 16 18 12 41.3–.25 49.24N–.01 155.52E–.01 52–2 6.3s,6.0b
MOS XI 16 18 12 41.4–.99 49.22N 155.52E 62 6.4b,6.4s
GCMT XI 16 18 12 44.9–.00 49.22N 155.87E 41–0 6.5W,6.4s
NEIC XI 16 18 12 55.7–.00 49.08N 155.60E 45 6.5W,6.4s
ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=109.0.
KRSC Event type se. FELT [IV-V] at Severo-Kurilsk; [III-IV] at Ozernovskiy, Paujetka, Zaporojye; [II-III] at Ribachiy, Institute; [II] at cape Vasilyeva, RNS Podgornay, lighthouse Chibuiny, lighthouse Kurbatova, cape Lopatka, lighthouse Krugliy.
NEIC Event type se. Moment Tensor Solution. s105 Moment tensor: Scale 10^{18}Nm; M_{rr}4.85 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-3.11 $M_{r\theta}$2.08 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.85 Best double couple: NP1:ϕ_s30.00000° ,δ67.00000°,λ87.00000°. NP2:ϕ_s218.00000°,δ23.00000°,λ97.00000°. Principal axes: T 6.6100,Plg68.0000°,Azm295.0000°; N -0.5100,Plg2.0000°,Azm31.0000° ; P -6.1000,Plg21.0000°,Azm122.0000° $M_0$6.40000×10^{18}
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.4km az=155.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}4.37 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$-2.39 $M_{r\theta}$1.30 $M_{\theta\phi}$-1.45 $M_{\phi r}$1.91 Best double couple: NP1:ϕ_s223.00000°,δ30.00000°,λ94.00000°. NP2: ϕ_s38.00000°,δ60.00000°,λ87.00000°. Principal axes: T 4.9900,Plg75.0000°,Azm301.0000° ; N -0.7300,Plg2.0000°,Azm39.0000°; P -4.2600,Plg15.0000°,Azm130.0000° $M_0$4.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm290.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.3km az=153.4.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=2.6km az=75.3. Fault plane solution: P-wave C171, D17 . Felt (IV-V) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ60.00000°,λ69.00000°. NP2: ϕ_s237.00000°,δ36.00000°,λ121.00000°. Principal axes: T Plg68.0000°,Azm248.0000° ; N Plg18.0000°,Azm31.0000°; P Plg12.0000°,Azm125.0000° $M_0$2.00000×10^{19}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c364; s143,c613; Duration: 4^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}5.80±.03 $M_{\theta\theta}$-1.68±.02; $M_{\phi\phi}$-4.12±.02; $M_{r\theta}$1.44±.02; $M_{\theta\phi}$-2.83±.01; $M_{\phi r}$2.51±.02; Best double couple: NP1:ϕ_s32.00000°,δ58.00000° ,λ88.00000°. NP2:ϕ_s215.00000°,δ32.00000°,λ93.00000°. Principal axes: T 6.4750,Plg77.0000°,Azm296.0000°; N 0.1770,Plg1.0000°,Azm33.0000° ; P -6.6520,Plg13.0000°,Azm123.0000° $M_0$6.56300×10^{18}
NEIC Event type se. Moment Tensor Solution. s91 Moment tensor: Scale 10^{18}Nm; M_{rr}6.65 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-4.45 $M_{r\theta}$1.36 $M_{\theta\phi}$-2.70 $M_{\phi r}$2.78 Best double couple: NP1:ϕ_s217.00000° ,δ32.00000°,λ95.00000°. NP2:ϕ_s31.00000°,δ58.00000°,λ87.00000°. Principal axes: T 7.3600,Plg77.0000°,Azm291.0000°; N -0.4200,Plg3.0000°,Azm32.0000° ; P -6.9400,Plg13.0000°,Azm123.0000° $M_0$7.20000×10^{18}
KRSC XI 16 19 23 02.1–2.0 49.26N 156.80E 15–36 4.0L
MOS XI 16 19 23 02.0–2.0 49.26N 156.80E 15 4.2b **¶601909889**
KRSC Event type se.
MOS Error ellipse: s-maj=49.8km s-min=7.1km az=81.0.
KRSC XI 16 22 42 14.1–1.5 49.21N 156.72E 7–18 4.2L
MOS XI 16 22 42 14.0–2.2 49.21N 156.72E 7 4.3b **¶601909894**
KRSC Event type se.
MOS Error ellipse: s-maj=56.9km s-min=7.1km az=81.8.
KRSC XI 16 23 15 17.8–1.2 49.29N 156.47E 6–15 3.8L
¶604184118

KRSC Event type se.
ISC XI 17 15 24 02.2–.74 45.09N–.08 151.62E–.07 32 3.9b,3.6s 113 3-82
NIED XI 17 15 24 00 45.40N 151.50E 8 4.4W,3.6s **¶601992522**
ISCJB XI 17 15 24 01.1–.47 45.17N–.05 151.57E–.06 32 3.8b,3.6s

JMA XI 17 15 24 02.3–.50 45.45N 151.53E 30 4.8,3.6s
SKHL XI 17 15 24 02.7–1.0 45.04N 151.69E 55–4 5.0b,3.8s
MOS XI 17 15 24 02.6–1.1 45.36N 151.49E 43 4.1b,3.8s
IDC XI 17 15 24 05.8–2.8 45.43N 151.51E 52–24 4.4L,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ11.00000°,λ49.00000°. NP2:ϕ_s48.00000°,δ82.00000°,λ97.00000°. $M_0$4.77000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.4km az=146.6.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=8.4km az=135.3.
IDC Error ellipse: s-maj=22.3km s-min=16.2km az=136.0.
ISC XI 17 16 37 38.0–.74 45.20N–.05 151.52E–.05 29–4 4.6b,3.9s 325 3-152
NIED XI 17 16 37 00 45.50N 151.60E 38 4.5W,3.9s **¶601909916**
ISCJB XI 17 16 37 36.6–.86 45.22N–.03 151.49E–.04 30–6 4.5b,3.9s
MOS XI 17 16 37 37.8–.89 45.31N 151.54E 41 4.9b,3.9s
JMA XI 17 16 37 37.0–.50 45.50N 151.56E 30 5.1,3.9s
SKHL XI 17 16 37 38.6–.60 45.16N 151.62E 56–1 5.1b,3.8s
BJI XI 17 16 37 39.7 45.29N 151.23E 45 4.9b,4.8b
NEIC XI 17 16 37 39.2–.38 45.33N 151.48E 35 4.9b,4.8b
IDC XI 17 16 37 41.1–2.1 45.45N 151.42E 46–18 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ37.00000°,λ-6.00000°. NP2:ϕ_s238.00000°,δ86.00000°,λ-127.00000°. $M_0$5.33000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=146.5.
MOS Error ellipse: s-maj=6.9km s-min=5.4km az=106.2.
JMA Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=143.0.
IDC Error ellipse: s-maj=15.4km s-min=10.8km az=144.0.
KRSC XI 18 05 09 25.0–1.5 49.29N 156.38E 16–19 4.0L
¶604184120
KRSC Event type se.
ISC XI 18 19 22 21.3–1.7 43.96N–.07 146.22E–.06 95–9 27 0-2
ISCJB XI 18 19 22 20.5–.92 43.94N–.07 146.23E–.07 99–6 **¶603705778**
JMA XI 18 19 22 20.2–.20 43.97N 146.29E 98–2 3.1
SKHL XI 18 19 22 20.4–.70 43.82N 146.27E 98–1 5.4s,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.3km az=151.1.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 18 23 47 34.4–2.4 43.3N–.10 147.7E–.10 67–29 28 1-5
SKHL XI 18 23 47 33.9–1.2 43.32N 147.60E 96–3 5.3s,4.2b **¶603705829**
JMA XI 18 23 47 33.9–.30 43.24N 147.67E 53 3.5,4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 19 11 59 26.9–2.3 44.23N–.06 149.23E–.09 9–11 56 1-52
JMA XI 19 11 59 30.9–.50 44.55N 149.22E 30 4.0 **¶603498380**
SKHL XI 19 11 59 32.5–1.6 44.34N 148.96E 17–5 4.2b
MOS XI 19 11 59 36.3–.49 44.54N 148.65E 54 4.0b
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
MOS Error ellipse: s-maj=22.1km s-min=14.8km az=148.4.
ISC XI 19 23 07 42.1–1.7 43.19N–.09 146.95E–.07 48–14 3.8b 42 1-70
IDC XI 19 23 07 34.8–1.2 43.01N 147.10E 0 4.0,3.9 **¶602389706**
MOS XI 19 23 07 38.7–.89 42.96N 147.01E 46 4.1b,3.9
ISCJB XI 19 23 07 41.7–1.1 43.20N–.07 146.93E–.08 55–8 3.8b,3.9
SKHL XI 19 23 07 41.0–.40 43.08N 146.97E 45–5 4.2b,3.9
JMA XI 19 23 07 42.1–.30 43.21N 146.91E 49–5 3.2,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=27.0km az=99.0.
MOS Error ellipse: s-maj=24.6km s-min=10.6km az=111.1.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.6km az=140.1.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 20 01 37 26.0–1.1 46.8N–.20 152.4E–.20 67 3.5b 11 7-78
ISCJB XI 20 01 37 24.3–.00 46.9N–.20 152.4E–.20 67 3.5b **¶602389712**
IDC XI 20 01 37 27.4–5.0 46.88N 152.49E 80–44 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.3km s-min=17.3km az=141.5.
IDC Error ellipse: s-maj=29.5km s-min=28.8km az=3.0.
ISC XI 20 13 14 27.5–2.8 44.39N–.09 148.1E–.20 12–11 27 1-6
SKHL XI 20 13 14 28.9–1.0 44.41N 148.25E 45 4.2b **¶603706343**
JMA XI 20 13 14 28.4–.40 43.98N 148.05E 0 3.7
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC XI 21 00 22 10.8–.45 44.13N–.04 147.73E–.04 93–3 4.6b 535 1-152
NIED XI 21 00 22 00 43.90N 147.80E 86 4.4W **¶601993296**
ISCJB XI 21 00 22 09.9–.28 44.10N–.03 147.71E–.03 97–2 4.6b
MOS XI 21 00 22 09.9–.93 44.10N 147.71E 99 4.6b
NEIC XI 21 00 22 10.9–.39 44.12N 147.69E 93–3 4.7b
IDC XI 21 00 22 10.7–.54 44.13N 147.73E 93–5 4.5,4.4
SKHL XI 21 00 22 11.1–1.0 44.12N 147.74E 97–1 5.4s,5.3b
BJI XI 21 00 22 11.7 44.31N 147.46E 92 4.9b,4.8b
JMA XI 21 00 22 11.2–.20 43.86N 147.77E 86 4.6,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ45.00000°,λ-75.00000°. NP2:ϕ_s203.00000°,δ47.00000°,λ-104.00000°. $M_0$4.34000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=2.9km az=157.2.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=5.2km az=103.6. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.3km az=158.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=159.0.
SKHL Event type fe. Felt (II) at Yushno-Kuril'sk.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
KRSC XI 21 00 42 54.0–1.0 50.61N 157.62E 71–14 3.6L
¶604184125
KRSC Event type se.
ISC XI 21 05 26 02.3–.70 44.99N–.05 148.46E–.06 134–5 4.2b 165 0-82
NEIC XI 21 05 25 59.7–.74 45.11N 148.40E 104–6 4.4b **¶601993356**
IDC XI 21 05 26 00.1–2.2 45.18N 148.37E 104–18 4.1,3.9
MOS XI 21 05 26 01.4–1.5 45.09N 148.48E 134 4.1b,3.9
ISCJB XI 21 05 26 01.9–.56 45.01N–.05 148.44E–.08 136–4 4.1b,3.9
SKHL XI 21 05 26 03.7–.60 44.96N 148.41E 126–4 6.0s,5.2b
JMA XI 21 05 26 05.3–.70 44.69N 148.40E 128 4.2,5.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.1km az=149.0.
IDC Error ellipse: s-maj=19.3km s-min=12.5km az=151.0.
MOS Error ellipse: s-maj=9.9km s-min=8.0km az=87.8.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.2km az=36.9.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
KRSC XI 21 23 52 41.4–1.4 50.27N 157.17E 40–20 4.3L
MOS XI 21 23 52 41.4–2.4 50.27N 157.17E 40 4.4b **¶601993559**
KRSC Event type se.
MOS Error ellipse: s-maj=34.2km s-min=6.7km az=79.7.
KRSC XI 22 00 07 49.6–1.6 50.32N 157.13E 47–21 4.0L
MOS XI 22 00 07 49.6–2.1 50.32N 157.13E 47 4.1b **¶601993561**
KRSC Event type se.
MOS Error ellipse: s-maj=36.3km s-min=6.1km az=79.2.
KRSC XI 23 08 13 49.8–1.2 49.00N 156.52E 7–21 3.9L
¶604184127
KRSC Event type se.
KRSC XI 24 06 51 09.4–1.5 49.21N 156.56E 30–20 3.9L
¶604184132
KRSC Event type se.
ISC XI 24 07 11 05.3–2.1 43.37N–.09 146.84E–.08 12–15 20 1-2
JMA XI 24 07 11 07.4–.30 43.33N 146.87E 48–5 2.8 **¶603707809**
SKHL XI 24 07 11 08.0–.60 43.33N 146.85E 51–1 3.8b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
KRSC XI 25 03 01 03.7–1.8 49.31N 156.80E 7–26 4.3L
MOS XI 25 03 01 03.7–2.2 49.31N 156.80E 7 4.3b **¶601994289**
KRSC Event type se.
MOS Error ellipse: s-maj=46.2km s-min=6.1km az=80.8.

ISC XI 25 11 02 57.2–1.4 49.27N–.10 155.9E–.20 53 33 1-75
IDC XI 25 11 02 51.3–1.8 49.12N 155.27E 0 3.4,3.3b **¶601994360**
ISCJB XI 25 11 02 56.0–.93 49.26N–.09 155.8E–.40 53 3.2b,3.3b
MOS XI 25 11 02 57.4–2.1 49.46N 156.79E 9 4.2b,3.3b
KRSC XI 25 11 02 57.4–2.0 49.46N 156.79E 9–5 4.1L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=168.4km s-min=34.2km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=8.7km az=17.1.
MOS Error ellipse: s-maj=47.2km s-min=7.1km az=81.4.
KRSC Event type se.
ISC XI 25 13 43 24.1–2.6 44.41N–.09 148.2E–.20 16–14 26 1-6
JMA XI 25 13 43 24.6–.20 44.04N 148.11E 0 4.0 **¶603708340**
SKHL XI 25 13 43 25.4–1.2 44.46N 148.34E 49–1 4.3b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
KRSC XI 26 01 24 28.5–2.2 50.27N 157.16E 40–15 3.7L
¶604184133
KRSC Event type se.
ISC XI 27 13 41 05.8–.67 48.1N–.10 154.6E–.10 42 3.8b 18 5-76
ISCJB XI 27 13 41 04.2–.54 47.98N–.08 154.8E–.10 42 3.9b,2.9s **¶602390062**
IDC XI 27 13 41 10.4–2.3 48.23N 154.44E 88–22 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.2km az=43.0.
IDC Error ellipse: s-maj=24.0km s-min=11.1km az=135.0.
ISC XI 27 14 42 14.9–.37 48.12N–.04 155.04E–.04 40–3 5.1b,5.0s 1273 3-156
NIED XI 27 14 42 00 48.50N 155.30E 23 5.2W,5.0s **¶601994839**
ISCJB XI 27 14 42 10.6–.59 48.08N–.02 155.06E–.02 19–4 5.1b,5.0s
BJI XI 27 14 42 11.7 48.37N 155.27E 40 5.2b,5.2s
KRSC XI 27 14 42 12.3–1.8 48.08N 155.26E 96–31 5.6L,5.2s
SKHL XI 27 14 42 13.4–.70 47.95N 155.37E 53–5 6.2b,5.8s
MOS XI 27 14 42 13.1–1.1 48.15N 155.05E 74 5.4b,5.1s
NEIC XI 27 14 42 15.1–.33 48.17N 154.94E 40–3 5.1b,5.1s
IDC XI 27 14 42 16.6–1.6 48.21N 154.91E 49–14 5.1L,4.8
GCMT XI 27 14 42 17.1–.10 48.11N–.01 155.28E–.01 26–0 5.3W,4.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ25.00000°,λ-35.00000°. NP2:ϕ_s244.00000°,δ76.00000°,λ-111.00000°. $M_0$7.31000×10^{16}
ISCJB Event type se.
KRSC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c138; s115,c211;Duration: 1ś1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.91±.02 $M_{\theta\theta}$-0.28±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$0.22±.03; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$0.45±.03; Best double couple: NP1:ϕ_s29.00000°,δ60.00000°,λ87.00000°. NP2:ϕ_s214.00000°,δ30.00000°,λ95.00000°. Principal axes: T 1.0430,Plg75.0000° ,Azm292.0000°; N -0.0520,Plg2.0000°,Azm30.0000°; P -0.9900,Plg15.0000°,Azm121.0000° $M_0$1.01700×10^{17}
ISC XI 28 18 08 53.4–.90 48.3N–.10 155.0E–.10 43 3.6b,3.2s 46 3-78
MOS XI 28 18 08 48.2–3.4 48.01N 155.44E 102 3.8b,3.2s **¶601995078**
KRSC XI 28 18 08 48.2–1.5 48.01N 155.44E 102–31 4.3L,3.2s
SKHL XI 28 18 08 50.0–.70 48.00N 155.25E 43–1 3.9b,3.2s
ISCJB XI 28 18 08 52.1–.77 48.32N–.09 154.9E–.10 43 3.7b,3.1s
IDC XI 28 18 08 54.7–3.4 48.40N 154.80E 47–31 3.8,3.7
ISC Event type se.
MOS Error ellipse: s-maj=21.1km s-min=10.0km az=77.2.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=4.3km az=40.9.
IDC Error ellipse: s-maj=26.6km s-min=17.3km az=143.0.
KRSC XI 29 04 19 10.2–1.5 50.44N 157.91E 41–21 3.9L
¶604184138
KRSC Event type se.
ISC XI 30 06 48 19.1–.69 48.11N–.05 155.11E–.05 34–2 4.8b,4.3s 466 3-156
IDC XI 30 06 48 13.9–.43 48.14N 155.02E 0 4.6,4.5 **¶601995378**
BJI XI 30 06 48 15.7 48.32N 155.44E 42 5.2b,4.8b
ISCJB XI 30 06 48 15.8–.90 48.14N–.03 155.05E–.04 22–6 4.7b,4.2s
KRSC XI 30 06 48 16.4–2.1 48.06N 155.61E 79–27 4.7L,4.2s
SKHL XI 30 06 48 18.2–.40 48.01N 155.24E 50–1 5.8b,5.6s
MOS XI 30 06 48 18.6–1.1 48.25N 155.01E 40 5.0b,5.6s
NEIC XI 30 06 48 19.6–.60 48.13N 155.01E 37–5 4.8b,5.6s
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=9.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=143.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=83.4.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=148.0.
ISC XI 30 17 18 51.1–.63 43.75N–.05 147.34E–.04 52–4 4.8b,3.4s 351 0-152
NIED XI 30 17 18 00 43.60N 147.20E 53 4.4W,3.4s **¶601995477**
BJI XI 30 17 18 48.7 44.11N 147.65E 64 5.0b,4.7b
MOS XI 30 17 18 50.2–1.1 43.79N 147.32E 56 5.0b,4.7b
ISCJB XI 30 17 18 50.5–.39 43.78N–.03 147.30E–.03 57–3 4.7b,3.5s
JMA XI 30 17 18 51.2–.20 43.62N 147.25E 34 4.4,3.5s
SKHL XI 30 17 18 51.3–1.0 43.69N 147.30E 61–1 5.5b,3.5s
IDC XI 30 17 18 51.8–2.1 43.82N 147.32E 55–18 4.3,4.2
NEIC XI 30 17 18 52.2–.47 43.81N 147.28E 58–4 4.9b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ64.00000°,λ155.00000°. NP2:ϕ_s158.00000°,δ68.00000°,λ28.00000°. $M_0$4.36000×10^{15}
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=5.5km az=104.4. Felt (IV) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=145.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
SKHL Event type fe. Felt (IV) at Malokuril'skoe, (II) at Yushno-Kuril'sk.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=145.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=149.0. Recorded [1 JMA] in eastern Hokkaido.
ISC XII 01 13 45 36.8–.79 48.98N–.09 155.7E–.10 51 3.5b 45 2-75
ISCJB XII 01 13 45 35.3–.61 48.98N–.07 155.6E–.20 51 3.5b **¶601995639**
MOS XII 01 13 45 36.1–.61 48.95N 155.59E 68 4.1b
IDC XII 01 13 45 39.9–3.5 49.13N 155.28E 84–33 3.7,3.6
KRSC XII 01 13 45 39.8–1.5 49.21N 156.38E 46–23 4.1L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=6.3km az=26.7.
MOS Error ellipse: s-maj=36.2km s-min=6.6km az=72.6.
IDC Error ellipse: s-maj=52.4km s-min=14.9km az=135.0.
KRSC Event type se.
ISC XII 01 16 37 58.2–.62 44.61N–.07 146.43E–.06 183–5 3.5b 70 1-83
NIED XII 01 16 37 00 44.50N 146.50E 185 3.8W **¶602390286**
SKHL XII 01 16 37 56.4–.60 44.61N 146.53E 171–1 5.3s,4.3b
MOS XII 01 16 37 57.3–.81 44.70N 146.34E 187 3.9b,4.3b
ISCJB XII 01 16 37 57.2–.34 44.60N–.06 146.42E–.06 187–3 3.5b,4.3b
IDC XII 01 16 37 59.3–1.2 44.79N 146.24E 187–11 3.7,3.4
JMA XII 01 16 37 59.1–.30 44.47N 146.45E 178–3 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ28.00000°,λ-135.00000°. NP2:ϕ_s285.00000°,δ70.00000°,λ-69.00000°. $M_0$6.28000×10^{14}
MOS Error ellipse: s-maj=16.9km s-min=11.1km az=72.9.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=151.5.
IDC Error ellipse: s-maj=17.1km s-min=12.2km az=145.0.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC XII 01 22 23 10.7–2.4 47.89N 154.89E 0 3.8,3.7b
¶602390301
IDC Error ellipse: s-maj=63.8km s-min=35.7km az=2.0.
ISC XII 02 12 32 16.2–1.0 46.76N–.07 152.81E–.06 66–9 4.2b 295 4-153
NIED XII 02 12 32 00 47.10N 153.00E 44 4.1W **¶601995797**
JMA XII 02 12 32 10.9–.70 47.08N 153.00E 30 4.6
ISCJB XII 02 12 32 13.5–.56 46.78N–.04 152.85E–.05 55–5 4.2b,3.4s
MOS XII 02 12 32 13.9–.92 46.82N 152.89E 59 4.6b,3.4s
SKHL XII 02 12 32 13.3–.50 46.52N 153.14E 56–2 4.6b,3.4s
IDC XII 02 12 32 16.8–2.2 46.88N 152.85E 68–19 4.1,4.0
NEIC XII 02 12 32 17.3–.45 46.88N 152.81E 72–4 4.3b,4.0
ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ62.00000°,λ-27.00000°. NP2:ϕ_s234.00000°,δ66.00000°,λ-149.00000°. M_o1.80000×10^{15}
JMA Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.8km az=145.5.
MOS Error ellipse: s-maj=8.4km s-min=6.3km az=86.3.
IDC Error ellipse: s-maj=15.4km s-min=10.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.5km az=149.0.

ISC	**XII**	**02 23 45 11.7–.60**	**45.57N–.04**	**151.56E–.04**	**26–3**	**5.0b,4.7s**	**709**	**3-151**	
NIED	XII	02 23 45 00	45.80N	151.60E	32	5.1W,4.7s			**¶601995883**
BJI	XII	02 23 45 10.7	45.62N	151.79E	45	5.1b,5.0b			
SKHL	XII	02 23 45 10.5–.10	45.34N	151.90E	41–9	5.4b,4.9s			
JMA	XII	02 23 45 11.7–.60	45.78N	151.55E	30	5.2,4.9s			
MOS	XII	02 23 45 12.6–.91	45.68N	151.52E	44	5.1b,4.6s			
ISCJB	XII	02 23 45 12.2–.42	45.63N–.03	151.50E–.03	40–3	4.9b,4.7s			
NEIC	XII	02 23 45 14.2–.52	45.70N	151.47E	42–4	5.0b,4.7s			
IDC	XII	02 23 45 15.2–2.0	45.80N	151.38E	52–17	4.5s,4.5			
GCMT	XII	02 23 45 16.2–.20	45.75N–.01	151.56E–.02	31–0	5.2W,4.5			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s133.00000°,δ53.00000°,λ-20.00000°. NP2:ϕ_s235.00000°,δ74.00000°,λ-142.00000°. M_o4.83000×10^{16}
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c116; s103,c168;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.13±.17 $M_{\theta\theta}$-1.47±.12; $M_{\phi\phi}$-3.66±.12; $M_{r\theta}$2.72±.18; $M_{\theta\phi}$-2.83±.08; $M_{\phi r}$4.78±.19; Best double couple: NP1:ϕ_s31.00000°,δ68.00000°,λ87.00000°. NP2:ϕ_s219.00000°,δ22.00000°,λ97.00000°. Principal axes: T 7.4600,Plg67.0000° ,Azm296.0000°; N 0.4480,Plg3.0000°,Azm32.0000°; P -7.9080,Plg23.0000°,Azm123.0000° M_o7.68400×10^{16}

ISC	**XII**	**03 05 28 25.6–.67**	**46.9N–.10**	**153.02E–.09**	**56**	**3.7b**	**31**	**4-148**	
ISCJB	XII	03 05 28 24.4–.56	46.87N–.10	153.1E–.10	56	3.7b			**¶602390384**
SKHL	XII	03 05 28 24.7–.00	46.68N	153.23E	34–1	4.4b			
IDC	XII	03 05 28 33.9–3.2	47.12N	152.64E	130–29	3.8,3.6			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=5.6km az=146.7.
IDC Error ellipse: s-maj=18.2km s-min=12.7km az=147.0.

ISC	**XII**	**05 00 42 13.9–2.0**	**43.15N–.08**	**146.03E–.07**	**48–15**		**22**	**0-2**	
ISCJB	XII	05 00 42 14.4–1.0	43.19N–.06	145.99E–.07	46–10				**¶603711610**
JMA	XII	05 00 42 14.8–.20	43.16N	145.94E	47–1	2.8			
SKHL	XII	05 00 42 16.4–.50	43.26N	146.06E	35–1	3.9b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.1km az=138.2.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

ISC	**XII**	**05 01 10 46.6–.53**	**44.25N–.04**	**147.75E–.04**	**89–4**	**4.7b**	**855**	**1-153**	
NIED	XII	05 01 10 00	43.90N	147.80E	92	4.6W			**¶601996061**
BJI	XII	05 01 10 44.8	44.43N	147.86E	87	5.0b,4.9b			
ISCJB	XII	05 01 10 46.6–.25	44.25N–.02	147.73E–.02	99–2	4.7b,4.9b			
MOS	XII	05 01 10 46.9–1.2	44.23N	147.71E	102	4.9b,4.9b			
NEIC	XII	05 01 10 47.2–.13	44.26N	147.70E	90	4.7b,4.9b			
JMA	XII	05 01 10 48.1–.30	43.93N	147.80E	94	5.0,4.9b			
IDC	XII	05 01 10 48.1–1.5	44.30N	147.76E	100–12	4.7,4.5			
SKHL	XII	05 01 10 48.2–.80	44.22N	147.74E	96–6	5.3b,5.0s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ36.00000°,λ-74.00000°. NP2:ϕ_s232.00000°,δ55.00000°,λ-101.00000°. M_o8.29000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=159.3.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=104.1. Felt (III) at Malokuril'skoye. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.3km az=161.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=11.4km s-min=8.4km az=158.0.
SKHL Event type fe. Felt (III) at Malokuril'skoe, (II) at Yushno-Kuril'sk.

ISC	**XII**	**06 10 54 58.5–.71**	**48.14N–.09**	**155.12E–.09**	**35**	**4.0b**	**100**	**3-147**	
MOS	XII	06 10 54 59.4–2.3	48.21N	156.58E	17	4.6b			**¶602005975**
KRSC	XII	06 10 54 59.4–1.8	48.21N	156.58E	17–34	4.6L			
SKHL	XII	06 10 55 00.1–.00	48.20N	155.10E	35–1	4.7b			
IDC	XII	06 10 55 01.9–3.7	48.30N	154.53E	64–33	3.9,3.8			

ISC Event type se.
MOS Error ellipse: s-maj=59.7km s-min=5.1km az=81.1.
KRSC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=13.3km az=162.0.

KRSC	**XII**	**07 17 09 43.7–1.2**	**50.54N**	**157.40E**	**75–18**	**3.6L**			**¶604184146**

KRSC Event type se.

ISC	**XII**	**07 21 48 54.5–.69**	**47.4N–.10**	**151.54E–.10**	**156**	**3.7b**	**30**	**7-149**	
ISCJB	XII	07 21 48 53.1–.59	47.46N–.09	151.5E–.10	156	3.6b			**¶602390744**
IDC	XII	07 21 48 56.0–2.0	47.43N	151.48E	172–18	3.9,3.5			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=8.0km az=138.0.
IDC Error ellipse: s-maj=16.0km s-min=10.3km az=140.0.

ISC	**XII**	**08 08 30 50.8–.59**	**47.77N–.07**	**152.79E–.07**	**128**	**3.7b**	**81**	**4-77**	
MOS	XII	08 08 30 48.9–.94	47.73N	152.82E	124	3.9b			**¶602390799**
ISCJB	XII	08 08 30 49.0–.41	47.73N–.06	152.83E–.08	128	3.8b			
SKHL	XII	08 08 30 49.5–.10	47.69N	152.86E	128–3	5.6s,5.2b			
JMA	XII	08 08 30 50.6–.50	46.38N	153.46E	115	4.1,5.2b			
IDC	XII	08 08 30 52.3–2.1	47.91N	152.60E	131–20	4.1,3.8			

ISC Event type ke.
MOS Error ellipse: s-maj=14.4km s-min=7.1km az=59.7.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=3.0km az=136.0.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=11.4km az=153.0.

ISC	**XII**	**08 10 45 58.4–.81**	**44.28N–.06**	**147.60E–.06**	**115–6**	**3.6b**	**66**	**1-82**	
ISCJB	XII	08 10 45 58.0–.51	44.31N–.06	147.51E–.08	121–4	3.6b			**¶602390806**
MOS	XII	08 10 45 58.0–1.3	44.35N	147.49E	131	4.0b			
SKHL	XII	08 10 45 58.0–.20	44.40N	147.57E	124–6	5.4s,4.8b			
JMA	XII	08 10 45 59.7–.30	44.20N	147.48E	116–4	3.9,4.8b			
IDC	XII	08 10 46 02.1–2.6	44.46N	147.21E	146–24	3.8,3.6			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.1km az=139.9.
MOS Error ellipse: s-maj=15.8km s-min=12.3km az=48.4.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=15.0km az=122.0.

ISC	**XII**	**08 18 28 03.9–1.9**	**43.80N–.09**	**147.32E–.09**	**50–11**		**36**	**0-3**	
ISCJB	XII	08 18 28 03.6–1.1	43.81N–.08	147.29E–.09	52–10				**¶603712953**
JMA	XII	08 18 28 03.6–.30	43.68N	147.27E	33	3.5			
SKHL	XII	08 18 28 04.2–.30	43.77N	147.34E	39–5	4.5b			
MOS	XII	08 18 28 05.1–.05	43.92N	147.19E	35	4.2b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=7.1km az=142.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=35.2km s-min=22.0km az=171.4.

ISC	**XII**	**09 06 38 56.6–2.9**	**44.33N–.08**	**148.2E–.10**	**27–19**		**53**	**1-29**	
MOS	XII	09 06 38 56.6–.63	44.36N	148.17E	43	4.5b			**¶603713147**
JMA	XII	09 06 38 57.2–.30	43.98N	147.89E	0	4.3			
SKHL	XII	09 06 38 57.4–.70	44.29N	148.23E	51–5	4.7b			

ISC Event type ke.
MOS Error ellipse: s-maj=16.0km s-min=12.5km az=138.4.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

KRSC	**XII**	**09 09 50 18.8–1.6**	**49.56N**	**156.94E**	**49–24**	**4.0L**			
MOS	XII	09 09 50 18.7–2.1	49.56N	156.94E	49	4.2b			**¶602033199**

KRSC Event type se.
MOS Error ellipse: s-maj=44.3km s-min=5.9km az=81.6.

ISC	**XII**	**09 19 38 03.9–1.7**	**43.67N–.09**	**147.67E–.08**	**42–13**	**3.8b**	**51**	**1-82**	
ISCJB	XII	09 19 38 04.3–1.1	43.67N–.08	147.58E–.09	56–7	3.8b			**¶602090170**
JMA	XII	09 19 38 04.3–.30	43.52N	147.46E	16	4.1			
SKHL	XII	09 19 38 04.5–.40	43.66N	147.68E	56–4	4.6b			
MOS	XII	09 19 38 05.7–1.6	44.04N	147.46E	59	4.1b			
IDC	XII	09 19 38 11.6–2.7	44.78N	147.13E	47–25	3.9,3.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=6.1km az=143.5.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=14.1km s-min=11.7km az=69.4.
IDC Error ellipse: s-maj=25.7km s-min=17.2km az=141.0.

ISC	**XII**	**10 04 18 35.2–.84**	**48.7N–.10**	**155.0E–.10**	**51**	**3.5b**	**56**	**2-75**	
IDC	XII	10 04 18 35.0–1.0	48.69N	154.63E	55–7	3.5,3.4			**¶602035434**
MOS	XII	10 04 18 37.6–2.5	48.76N	156.56E	25	4.7b,3.4			
KRSC	XII	10 04 18 37.6–2.1	48.76N	156.56E	25–29	4.6L,3.4			

ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=15.9km az=121.0.
MOS Error ellipse: s-maj=69.8km s-min=6.6km az=81.5.
KRSC Event type se.

IDC	**XII**	**10 18 45 07.9–6.0**	**48.55N**	**154.19E**	**0**	**3.5,3.5**			**¶602391012**

IDC Error ellipse: s-maj=127.9km s-min=33.7km az=134.0.

ISC	**XII**	**11 00 50 52.6–3.7**	**44.4N–.20**	**147.9E–.20**	**159–19**		**15**	**1-4**	
SKHL	XII	11 00 50 48.9–.70	42.10N	147.30E	41–1	4.4b			**¶606069864**
ISCJB	XII	11 00 50 50.6–1.9	44.6N–.20	147.9E–.20	165–12	4.4b			
JMA	XII	11 00 50 50.7–.50	44.64N	147.96E	149	3.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.2km s-min=20.4km az=149.5.
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.

KRSC	**XII**	**12 11 01 12.4–1.3**	**50.73N**	**157.77E**	**40–17**	**3.6L**			**¶604184153**

KRSC Event type se.

KRSC	**XII**	**12 22 21 44.1–1.5**	**49.41N**	**156.55E**	**5–27**	**3.7L**			**¶604184154**

KRSC Event type se.

ISC	**XII**	**13 08 29 55.8–.92**	**49.16N–.08**	**156.11E–.08**	**34**	**3.2b**	**95**	**2-75**	
IDC	XII	13 08 29 50.8–1.1	48.99N	156.11E	0	3.7,3.5			**¶604184155**
MOS	XII	13 08 29 53.9–.87	49.06N	156.10E	36	4.5b,3.5			
ISCJB	XII	13 08 29 55.1–.63	49.19N–.05	156.1E–.10	34	3.2b,3.5			
KRSC	XII	13 08 29 56.5–2.2	49.33N	156.68E	35–26	4.5L,3.5			

ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=21.6km az=127.0.
MOS Error ellipse: s-maj=29.3km s-min=4.6km az=75.4.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.2km az=21.0.
KRSC Event type se.

ISC	**XII**	**13 10 13 27.4–2.3**	**43.8N–.10**	**147.50E–.07**	**26–15**		**31**	**0-65**	
NIED	XII	13 10 13 00	43.50N	147.30E	44	3.6W			**¶602391256**
JMA	XII	13 10 13 27.5–.50	43.53N	147.33E	8–4	3.7			
SKHL	XII	13 10 13 29.1–.50	43.66N	147.45E	38–5	4.3b			
IDC	XII	13 10 13 29.1–7.8	43.06N	147.73E	80–37	3.6,3.4			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ28.00000°,λ17.00000°. NP2:ϕ_s59.00000°,δ82.00000°,λ117.00000°. M_o2.92000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=111.1km s-min=18.6km az=170.0.

ISC	**XII**	**15 10 11 23.6–4.2**	**44.0N–.10**	**148.3E–.20**	**25–24**		**19**	**1-3**	
JMA	XII	15 10 11 22.3–.40	43.70N	148.14E	0	3.6			**¶603715248**
SKHL	XII	15 10 11 22.9–.90	43.93N	148.45E	45–2	4.0b			

ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=3.2km az=-1.0.

ISC	**XII**	**16 00 09 57.8–.74**	**44.8N–.10**	**146.8E–.10**	**200**	**3.2b**	**29**	**1-82**	
ISCJB	XII	16 00 09 56.8–.57	44.88N–.08	146.8E–.10	200	3.2b			**¶602391430**
JMA	XII	16 00 09 59.6–.40	44.71N	146.78E	190–4	3.2			
IDC	XII	16 00 09 59.3–2.2	45.53N	146.54E	181–28	3.6,3.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=6.0km az=38.3.
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=52.9km s-min=15.9km az=172.0.

ISC	**XII**	**16 05 40 14.3–.99**	**47.8N–.20**	**152.7E–.10**	**117**	**3.4b**	**10**	**6-77**	
ISCJB	XII	16 05 40 12.8–.88	47.9N–.20	152.8E–.20	117	3.5b			**¶602391447**
IDC	XII	16 05 40 15.9–3.6	47.92N	152.67E	132–32	3.5,3.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.3km s-min=13.5km az=148.9.
IDC Error ellipse: s-maj=29.8km s-min=17.9km az=152.0.

ISC	**XII**	**17 00 28 57.3–.31**	**49.68N–.04**	**156.05E–.03**	**57–2**	**5.2b,5.0s**	**1658**	**1-158**	
BJI	XII	17 00 28 50.6	49.79N	156.56E	38	5.3s,5.2			**¶602046997**
KRSC	XII	17 00 28 52.2–2.1	49.46N	156.36E	45–24	5.9L,5.2			
NEIC	XII	17 00 28 55.0–.00	49.55N	156.11E	45	5.9L,5.2			
ISCJB	XII	17 00 28 56.9–.32	49.72N–.02	156.00E–.02	67–2	5.1b,5.2			
MOS	XII	17 00 28 56.3–1.0	49.70N	155.97E	65	5.3b,5.1s			
NEIC	XII	17 00 28 58.8–.39	49.79N	155.84E	68–3	5.6W,5.6W			
GCMT	XII	17 00 28 58.8–.10	49.57N–.01	156.29E–.01	43–0	5.6W,5.6W			
IDC	XII	17 00 28 58.9–2.1	49.83N	155.82E	70–18	5.0,4.9			

ISC Event type se.
KRSC Event type se. FELT [III-IV] at Severo-Kurilsk; [II] at cape Vasilyeva, RNS Podgornay.
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}2.16 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-1.52 $M_{r\theta}$1.10 $M_{\theta\phi}$-0.83 $M_{\phi r}$1.57 Best double couple: NP1:ϕ_s34.00000° ,δ66.00000°,λ92.00000°. NP2:ϕ_s209.00000°,δ24.00000°,λ85.00000°. Principal axes: T 2.9100,Plg68.0000°,Azm307.0000°; N -0.1400,Plg1.0000°,Azm212.0000° ; P -2.7700,Plg21.0000°,Azm122.0000° M_o2.80000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.7km az=154.3.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.0km az=73.3. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.6km az=157.0. Moment Tensor Solution. s88 Moment tensor: Scale 10^{17}Nm; M_{rr}3.05 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.60 $M_{\theta\phi}$-1.36 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s229.00000°,δ35.00000°,λ97.00000°. NP2:ϕ_s41.00000° ,δ55.00000°,λ85.00000°. Principal axes: T 3.2600,Plg79.0000°,Azm293.0000° ; N -0.1800,Plg4.0000°,Azm43.0000°; P -3.0800,Plg10.0000°,Azm134.0000° M_o3.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c219; s127,c291; Duration: 1$\hat{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.81±.04 $M_{\theta\theta}$-0.93±.03; $M_{\phi\phi}$-1.88±.03; $M_{r\theta}$0.56±.03; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$1.10±.03; Best double couple: NP1:ϕ_s32.00000°,δ57.00000° ,λ87.00000°. NP2:ϕ_s218.00000°,δ33.00000°,λ95.00000°. Principal axes: T 3.0760,Plg78.0000°,Azm291.0000°; N -0.0580,Plg3.0000°,Azm34.0000° ; P -3.0190,Plg12.0000°,Azm124.0000° M_o3.04700×10^{17}
IDC Error ellipse: s-maj=13.1km s-min=9.3km az=144.0.

ISC	**XII**	**17 03 19 35.6–1.9**	**43.23N–.05**	**147.03E–.05**	**8–10**	**4.0b**	**71**	**1-83**	
NIED	XII	17 03 19 00	43.30N	147.10E	29	3.8W			**¶602090194**
JMA	XII	17 03 19 36.7–.30	43.20N	147.13E	31	4.2			
SKHL	XII	17 03 19 38.7–.70	43.17N	147.07E	56–5	4.4b			
MOS	XII	17 03 19 39.8–1.4	43.21N	146.78E	58	4.4b			
IDC	XII	17 03 19 41.8–3.4	43.18N	146.84E	52–31	3.9,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ33.00000°,λ110.00000°. NP2:ϕ_s32.00000°,δ59.00000°,λ77.00000°. M_o5.56000×10^{14}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=12.3km s-min=8.7km az=89.3.
IDC Error ellipse: s-maj=22.7km s-min=17.8km az=117.0.

ISC	**XII**	**18 01 45 18.2–1.9**	**43.41N–.09**	**146.50E–.07**	**80–12**		**25**	**1-2**	
ISCJB	XII	18 01 45 18.5–1.0	43.44N–.07	146.45E–.08	78–8				**¶603716470**
SKHL	XII	18 01 45 19.8–.60	43.37N	146.50E	65–4	4.1b			
JMA	XII	18 01 45 19.6–.20	43.38N	146.36E	77–2	2.6			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.9km az=145.7.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC	**XII**	**18 11 10 44.3–1.1**	**48.0N–.10**	**155.5E–.10**	**35**	**3.8b**	**53**	**3-78**	
SKHL	XII	18 11 10 42.7–.20	47.79N	155.81E	42–5	4.3b			**¶602051797**
KRSC	XII	18 11 10 49.8–1.1	48.38N	156.82E	40–25	4.0L			
IDC	XII	18 11 10 49.1–2.8	48.30N	154.75E	64–25	3.8,3.7			
MOS	XII	18 11 10 50.0–.40	48.26N	156.54E	40	4.2b,3.7			

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=14.0km az=132.0.
MOS Error ellipse: s-maj=78.5km s-min=7.2km az=82.4.

ISC	**XII**	**18 18 25 48.0–.71**	**49.55N–.08**	**156.27E–.08**	**57**	**3.5b**	**91**	**1-76**	
KRSC	XII	18 18 25 45.5–1.6	49.62N	156.15E	75–22	4.7L			**¶602051798**
ISCJB	XII	18 18 25 46.6–.54	49.59N–.05	156.2E–.10	57	3.6b			
MOS	XII	18 18 25 47.8–.88	49.68N	156.12E	68	3.9b			

IDC XII 18 18 25 51.0–3.3 49.68N 156.02E 80–30 3.7,3.6
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.0km az=31.6.
MOS Error ellipse: s-maj=20.2km s-min=5.0km az=75.6.
IDC Error ellipse: s-maj=27.0km s-min=15.2km az=149.0.
ISC XII 18 21 20 44.3–1.6 49.0N–.10 156.7E–.10 34 3.5b 79 2-74
IDC XII 18 21 20 23.4–1.8 49.15N 151.78E 0 3.7,3.4 **¶602051799**
SKHL XII 18 21 20 44.9–.90 48.98N 156.97E 44–2 4.0b,3.4
MOS XII 18 21 20 44.8–2.3 49.18N 157.22E 40 4.4b,3.4
KRSC XII 18 21 20 44.8–1.6 49.19N 157.22E 40–23 4.4L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=103.9km s-min=28.7km az=141.0.
MOS Error ellipse: s-maj=37.1km s-min=5.4km az=82.4.
KRSC Event type se.
ISC XII 19 15 38 15.3–.94 49.04N–.10 155.7E–.10 35 3.4b 71 2-75
ISCJB XII 19 15 38 14.8–.75 49.08N–.08 155.7E–.20 35 3.5b,2.8s **¶602052562**
MOS XII 19 15 38 14.9–2.0 49.19N 156.55E 6 4.3b,2.8s
KRSC XII 19 15 38 14.9–1.4 49.19N 156.55E 6–5 4.5L,2.8s
SKHL XII 19 15 38 15.7–.70 48.99N 156.06E 37–5 4.4b,2.8s
IDC XII 19 15 38 20.7–3.0 49.38N 155.23E 80–26 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=5.0km az=35.4.
MOS Error ellipse: s-maj=27.6km s-min=5.7km az=80.1.
KRSC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=15.7km az=150.0.
ISC XII 19 20 18 36.3–1.6 44.87N–.10 149.4E–.10 61–14 3.8b 29 1-81
ISCJB XII 19 20 18 34.4–1.4 44.86N–.09 149.5E–.10 59–10 3.8b,3.4s **¶602391684**
MOS XII 19 20 18 34.0–2.5 44.80N 149.50E 33 4.1b,3.4s
SKHL XII 19 20 18 34.3–.70 44.79N 149.50E 71–3 4.3b,3.4s
IDC XII 19 20 18 40.3–4.2 45.06N 149.35E 99–39 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=9.0km az=138.8.
MOS Error ellipse: s-maj=23.1km s-min=15.4km az=45.8.
IDC Error ellipse: s-maj=33.6km s-min=19.7km az=115.0.
ISC XII 20 03 53 22.0–.76 49.06N–.09 155.6E–.10 51 3.8b 46 2-79
MOS XII 20 03 53 17.4–2.9 48.90N 156.04E 31 4.3b **¶602054775**
KRSC XII 20 03 53 17.5–2.3 48.90N 156.04E 30–30 4.7L
ISCJB XII 20 03 53 20.7–.54 48.99N–.06 155.7E–.20 51 3.8b,2.8s
IDC XII 20 03 53 26.3–2.4 49.16N 155.41E 87–21 3.8,3.8
ISC Event type se.
MOS Error ellipse: s-maj=25.3km s-min=5.6km az=76.7.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=5.5km az=26.6.
IDC Error ellipse: s-maj=27.1km s-min=14.1km az=125.0.
ISC XII 20 12 59 52.0–1.2 49.32N–.07 156.6E–.10 10 3.7b 30 1-76
MOS XII 20 12 59 49.4–1.4 48.89N 156.23E 7 4.1b **¶602054777**
IDC XII 20 12 59 50.1–1.2 48.86N 156.54E 0 3.9,3.6
KRSC XII 20 12 59 56.8–1.2 49.47N 156.50E 7–15 4.4L,3.6
ISC Event type se.
MOS Error ellipse: s-maj=43.1km s-min=7.5km az=79.9.
IDC Error ellipse: s-maj=104.7km s-min=20.7km az=117.0.
KRSC Event type se.
ISC XII 20 15 32 45.8–.74 48.93N–.08 155.92E–.09 35 3.6b 80 2-77
ISCJB XII 20 15 32 45.0–.56 49.03N–.06 155.7E–.10 35 3.7b **¶602054778**
KRSC XII 20 15 32 48.0–1.4 49.23N 156.94E 6–29 4.7L
MOS XII 20 15 32 50.0–1.5 49.20N 155.70E 77 4.1b
IDC XII 20 15 32 52.0–3.2 49.17N 155.64E 86–27 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=4.7km az=29.4.
KRSC Event type se.
MOS Error ellipse: s-maj=20.6km s-min=5.3km az=75.5.
IDC Error ellipse: s-maj=20.3km s-min=15.7km az=157.0.
ISC XII 20 17 18 57.9–.68 46.33N–.07 152.49E–.07 52 3.9b 80 3-79
NIED XII 20 17 18 00 46.80N 152.50E 35 3.9W **¶602090214**
JMA XII 20 17 18 55.2–.70 46.79N 152.52E 30 4.7
ISCJB XII 20 17 18 56.6–.51 46.47N–.06 152.42E–.07 52 3.8b
SKHL XII 20 17 18 56.7–.00 46.29N 152.68E 68–2 4.6b
MOS XII 20 17 18 59.3–1.1 46.49N 152.26E 76 4.1b
IDC XII 20 17 19 04.9–3.0 46.68N 152.25E 106–26 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ55.00000°,λ-166.00000°. NP2:ϕ_s123.00000°,δ79.00000°,λ-36.00000°. $M_0$7.50000×10^{14}
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=3.7km az=139.4.
MOS Error ellipse: s-maj=14.4km s-min=11.0km az=67.4.
IDC Error ellipse: s-maj=27.4km s-min=14.2km az=142.0.
ISC XII 21 21 32 25.9–3.6 44.6N–.10 148.3E–.20 74–31 18 1-4
SKHL XII 21 21 32 25.8–.80 44.52N 148.37E 69–1 4.3b **¶603717744**
JMA XII 21 21 32 26.5–.60 44.33N 148.24E 91 3.6
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=6.4km az=-1.0.
ISC XII 22 04 42 37.3–.32 49.75N–.04 155.29E–.04 127–2 5.0b 1202 1-158
BJI XII 22 04 42 30.9 49.93N 155.76E 115 5.2b,5.0b **¶602056581**
KRSC XII 22 04 42 34.0–2.0 49.55N 155.53E 133–23 5.4L,5.0b
MOS XII 22 04 42 36.7–.87 49.79N 155.18E 133 4.9b,5.0b
ISCJB XII 22 04 42 36.6–.30 49.78N–.03 155.22E–.02 132–2 4.9b,5.0b
IDC XII 22 04 42 37.6–.34 49.80N 155.12E 124–3 5.0,4.7
NEIC XII 22 04 42 37.6–.08 49.82N 155.10E 125 5.1b,4.7
ISC Event type se.
KRSC Event type se. FELT [II-III] at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.1km az=72.6. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.0km az=158.3.
IDC Error ellipse: s-maj=9.2km s-min=5.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.6km az=156.0.
JMA XII 22 19 10 53.5–.40 44.74N 146.61E 190–4 3.6 ¶606076413
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISC XII 23 01 10 04.2–1.3 43.27N–.06 146.55E–.05 48–10 3.7b 59 1-72
MOS XII 23 01 10 02.8–1.5 43.27N 146.69E 61 4.3b **¶602391900**
ISCJB XII 23 01 10 03.4–.79 43.27N–.05 146.54E–.06 60–5 3.7b
JMA XII 23 01 10 04.0–.20 43.21N 146.50E 51–2 3.3
SKHL XII 23 01 10 04.2–.10 43.31N 146.60E 69–2 4.3b
IDC XII 23 01 10 10.7–7.4 43.62N 146.50E 96–41 3.8,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=17.6km s-min=11.3km az=111.5.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=143.2.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=102.7km s-min=47.7km az=170.0.
KRSC XII 23 03 28 11.0–1.6 49.32N 156.29E 49–18 4.0L
MOS XII 23 03 28 10.9–2.2 49.32N 156.29E 49 4.1b **¶602057593**
KRSC Event type se.
MOS Error ellipse: s-maj=64.1km s-min=5.9km az=77.4.
ISC XII 24 11 05 08.4–.44 47.58N–.06 152.38E–.06 128 4.4b 253 4-85
BJI XII 24 11 04 59.0 46.95N 152.67E 45 4.8b,4.4b **¶602057615**
SKHL XII 24 11 05 05.0–.70 47.64N 152.41E 101–2 5.5s,5.0b
MOS XII 24 11 05 05.3–1.1 47.58N 152.56E 106 4.3b,5.0b
IDC XII 24 11 05 06.0–.67 47.52N 152.63E 104–5 4.1,4.0
NEIC XII 24 11 05 07.9–.50 47.61N 152.56E 116–4 4.6b,4.0
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=6.1km az=72.8.
IDC Error ellipse: s-maj=16.2km s-min=10.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.1km az=146.0.
ISC XII 25 17 23 59.8–.68 46.44N–.08 152.51E–.09 52 3.8b 86 3-79
JMA XII 25 17 23 57.2–.70 46.39N 152.68E 30 4.5 **¶602380596**
ISCJB XII 25 17 23 58.6–.52 46.50N–.06 152.38E–.08 52 3.7b,2.7s
SKHL XII 25 17 23 58.7–.70 46.40N 152.59E 66–2 4.4b,2.7s
MOS XII 25 17 23 58.1–1.1 46.36N 152.59E 58 4.3b,2.7s
IDC XII 25 17 24 00.2–.87 46.46N 152.58E 57–6 3.9,3.8
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=7.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=3.6km az=137.4.
MOS Error ellipse: s-maj=15.6km s-min=8.8km az=52.7.
IDC Error ellipse: s-maj=24.8km s-min=13.7km az=134.0.
ISC XII 25 23 41 55.6–3.0 44.5N–.10 148.0E–.20 17–17 16 1-4
SKHL XII 25 23 41 54.1–.70 44.37N 148.31E 52–8 3.9b **¶603719067**
JMA XII 25 23 41 54.6–.50 44.17N 148.03E 0 3.8
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
KRSC XII 26 06 31 09.2–1.4 50.86N 157.31E 112–16 3.7L ¶604184182
KRSC Event type se.
ISC XII 26 07 26 48.3–1.1 50.6N–.10 157.3E–.10 104–10 3.2b 72 1-77
ISCJB XII 26 07 26 47.9–.77 50.7N–.10 157.2E–.20 113–8 3.2b **¶602059380**
MOS XII 26 07 26 47.0–.71 50.62N 157.23E 111 4.3b
KRSC XII 26 07 26 47.9–1.1 50.74N 157.32E 104–13 4.2L
IDC XII 26 07 26 50.2–1.9 51.23N 155.86E 137–23 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=6.7km az=39.4.
MOS Error ellipse: s-maj=41.4km s-min=5.2km az=76.6.
KRSC Event type se.
IDC Error ellipse: s-maj=172.0km s-min=18.9km az=124.0.
ISC XII 26 07 50 21.5–1.3 43.36N–.07 147.41E–.06 51–10 3.9b 96 1-78
NIED XII 26 07 50 00 43.30N 147.30E 53 3.8W **¶602090250**
MOS XII 26 07 50 20.6–.77 43.43N 147.44E 59 4.3b
SKHL XII 26 07 50 21.8–.20 43.40N 147.42E 73–1 4.3b
ISCJB XII 26 07 50 21.0–.72 43.40N–.05 147.36E–.06 63–5 3.9b
JMA XII 26 07 50 21.1–.20 43.29N 147.34E 38 4.1
IDC XII 26 07 50 25.2–3.1 43.44N 147.37E 82–26 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ54.00000°,λ37.00000°. NP2:ϕ_s53.00000°,δ61.00000°,λ138.00000°. $M_0$5.85000×10^{14}
MOS Error ellipse: s-maj=11.1km s-min=7.9km az=111.5.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.7km az=143.9.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=17.6km az=156.0.
ISC XII 26 22 53 44.5–2.3 43.1N–.10 147.2E–.10 53–38 23 1-3
ISCJB XII 26 22 53 43.9–1.2 43.15N–.08 147.19E–.09 65–20 **¶603719406**
SKHL XII 26 22 53 44.8–.60 43.10N 147.32E 48–4 4.0b
JMA XII 26 22 53 45.1–.30 43.10N 147.07E 56 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=7.8km az=142.4.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XII 27 15 41 58.4–2.1 43.29N–.10 147.19E–.09 52–22 36 1-4
NIED XII 27 15 41 00 43.20N 147.20E 41 3.6W **¶603719685**
JMA XII 27 15 41 56.3–.20 43.21N 147.23E 36 3.7
SKHL XII 27 15 41 58.7–.60 43.38N 147.26E 62–5 4.1b
MOS XII 27 15 41 58.7–2.3 43.37N 147.26E 64 4.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ52.00000°,λ141.00000°. NP2:ϕ_s353.00000°,δ60.00000°,λ45.00000°. $M_0$3.21000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=55.0km s-min=25.5km az=122.2.
ISC XII 28 12 30 40.7–.70 46.37N–.05 151.44E–.05 107–6 4.6b 448 3-87
NIED XII 28 12 30 00 45.50N 151.50E 119 4.8W **¶602060891**
BJI XII 28 12 30 35.8 46.62N 151.87E 100 5.0b,4.6b
SKHL XII 28 12 30 40.2–.60 46.22N 151.74E 117–8 5.9b,5.4s
ISCJB XII 28 12 30 40.8–.36 46.39N–.03 151.39E–.04 115–3 4.6b,5.4s
NEIC XII 28 12 30 41.4–.50 46.49N 151.22E 103–4 4.5b,5.4s
IDC XII 28 12 30 42.4–2.1 46.58N 151.23E 115–18 4.5,4.2
MOS XII 28 12 30 42.3–1.1 46.41N 151.35E 132 4.5b,4.2
JMA XII 28 12 30 45.4–.60 45.52N 151.47E 134 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ10.00000°,λ42.00000°. NP2:ϕ_s80.00000°,δ83.00000°,λ97.00000°. $M_0$1.81000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.0km az=146.6.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=150.0.
IDC Error ellipse: s-maj=12.6km s-min=8.9km az=145.0.
MOS Error ellipse: s-maj=6.2km s-min=4.6km az=88.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
KRSC XII 29 22 57 22.6–1.7 49.51N 156.63E 60–25 3.8L ¶604184186
KRSC Event type se.
KRSC XII 30 11 31 41.6–2.0 49.29N 156.44E 15–22 3.8L ¶604184188
KRSC Event type se.

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KRSC VII 04 15 04 16.7–1.8 50.01N 158.78E 62–36 3.6L ¶604183840
KRSC Event type se.
ISC VII 06 20 03 43.8–1.5 46.0N–.10 153.7E–.10 27 3.8b 42 4-72
NIED VII 06 20 03 00 46.80N 152.90E 32 3.8W **¶601505946**
SKHL VII 06 20 03 45.0–.70 46.05N 153.76E 61–3 4.4b
MOS VII 06 20 03 50.2–1.5 46.56N 152.98E 66 4.0b
IDC VII 06 20 03 54.5–3.3 46.77N 152.74E 76–27 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ59.00000°,λ178.00000°. NP2:ϕ_s308.00000°,δ88.00000°,λ31.00000°. $M_0$5.29000×10^{14}
MOS Error ellipse: s-maj=20.2km s-min=14.0km az=140.6.
IDC Error ellipse: s-maj=37.1km s-min=21.8km az=113.0.
ISC VII 07 20 03 43.6–4.0 44.9N–.10 151.6E–.20 36 33 3-8
NIED VII 07 20 03 00 45.60N 151.50E 14 3.5W **¶603312251**
JMA VII 07 20 03 40.3–.60 45.62N 151.51E 30 3.8
SKHL VII 07 20 03 41.5–.60 44.96N 151.66E 38–1 4.2b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ49.00000°,λ60.00000°. NP2:ϕ_s250.00000°,δ49.00000°,λ119.00000°. $M_0$1.97000×10^{14}
JMA Error ellipse: s-maj=7.8km s-min=6.2km az=-1.0.
ISC VII 08 05 46 37.6–3.8 44.9N–.10 151.8E–.20 41 30 3-9
JMA VII 08 05 46 37.7–.50 45.61N 151.53E 30 4.0 **¶603312262**
SKHL VII 08 05 46 39.3–.30 45.12N 151.64E 40–6 4.3b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISC VII 08 12 52 41.1–2.2 45.0N–.20 151.9E–.20 32 36 3-9
ISCJB VII 08 12 52 42.2–.98 45.0N–.10 151.6E–.10 32 **¶603312263**
SKHL VII 08 12 52 42.3–.30 45.03N 151.77E 40–5 4.3b
JMA VII 08 12 52 42.3–.70 45.58N 151.57E 30 4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=7.1km az=155.7.
JMA Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
ISC VII 08 13 01 47.9–2.3 44.8N–.20 152.0E–.10 32 37 3-9
SKHL VII 08 13 01 49.2–.50 45.06N 151.80E 38–3 4.4b **¶603312264**
JMA VII 08 13 01 49.9–.70 45.63N 151.54E 30 4.1
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=7.8km az=-1.0.
ISC VII 08 14 09 15.6–2.4 44.9N–.20 151.8E–.20 32 35 3-8
JMA VII 08 14 09 15.3–.70 45.62N 151.54E 30 3.9 **¶603312265**
SKHL VII 08 14 09 15.3–.20 44.98N 151.79E 45–2 4.3b
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.
ISC VII 08 19 58 37.0–2.5 44.7N–.10 151.9E–.10 37 32 3-9
JMA VII 08 19 58 37.9–.60 45.58N 151.55E 30 3.9 **¶603312266**
SKHL VII 08 19 58 38.8–.70 45.01N 151.75E 43–6 4.6b
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
KRSC VII 09 17 44 19.2–1.8 48.82N 156.43E 7–18 4.1L
MOS VII 09 17 44 19.2–2.5 48.82N 156.43E 7 4.2b **¶601605922**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=13.2km az=81.5.
ISC VII 09 19 07 15.1–1.1 44.96N–.09 151.78E–.10 36 3.7b 61 3-80

NIED VII 09 19 07 00 45.60N 151.60E 38 3.9W **¶601505960**
IDC VII 09 19 07 11.0–1.8 45.43N 151.77E 0 3.9,3.8
ISCJB VII 09 19 07 14.1–.74 45.09N–.09 151.68E–.08 36 3.8b,3.8
JMA VII 09 19 07 14.9–.80 45.61N 151.56E 30 4.1,3.8
SKHL VII 09 19 07 15.5–.60 44.91N 151.79E 43–2 4.4b,3.8
MOS VII 09 19 07 17.5–.86 45.28N 151.44E 61 4.5b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ47.00000°,λ2.00000°. NP2:ϕ_s53.00000°,δ88.00000°,λ137.00000°. $M_0$8.70000×10^{14}
IDC Error ellipse: s-maj=47.1km s-min=31.8km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.3km az=153.4.
JMA Error ellipse: s-maj=11.1km s-min=8.6km az=-1.0.
MOS Error ellipse: s-maj=20.9km s-min=12.9km az=171.5.
IDC VII 10 06 37 35.0–.93 46.84N 155.31E 0 3.7,3.5
¶601664374
IDC Error ellipse: s-maj=29.2km s-min=23.0km az=101.0.
ISC VII 10 11 08 10.5–2.5 44.9N–.20 151.9E–.20 41 29 3-8
NIED VII 10 11 08 00 45.60N 151.60E 8 4.1W **¶603312301**
JMA VII 10 11 08 11.1–.80 45.61N 151.61E 30 3.9
SKHL VII 10 11 08 12.5–.20 45.23N 151.70E 46–9 4.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ31.00000°,λ102.00000°. NP2:ϕ_s53.00000°,δ60.00000°,λ83.00000°. $M_0$1.36000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=7.8km az=-1.0.
ISC VII 11 00 06 27.8–1.3 44.8N–.10 151.6E–.10 36 3.9b 39 3-78
NIED VII 11 00 06 00 45.40N 151.50E 11 3.9W **¶601505971**
JMA VII 11 00 06 27.5–.80 45.45N 151.47E 30 4.3
MOS VII 11 00 06 28.7–1.7 45.42N 151.52E 40 4.1b
SKHL VII 11 00 06 29.6–.40 45.12N 151.46E 40 4.2b
IDC VII 11 00 06 32.0–7.2 46.35N 150.70E 0 4.0,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ21.00000°,λ71.00000°. NP2:ϕ_s49.00000°,δ70.00000°,λ97.00000°. $M_0$7.05000×10^{14}
JMA Error ellipse: s-maj=10.0km s-min=8.6km az=-1.0.
MOS Error ellipse: s-maj=18.7km s-min=15.6km az=146.8.
IDC Error ellipse: s-maj=169.3km s-min=32.0km az=145.0.
ISC VII 11 02 47 18.9–3.4 44.7N–.30 152.1E–.20 37 17 3-7
ISCJB VII 11 02 47 17.2–1.7 44.8N–.20 152.0E–.10 37 **¶603070751**
SKHL VII 11 02 47 17.0–1.0 44.73N 152.13E 37–7 4.5b
MOS VII 11 02 47 17.0–.95 44.70N 152.10E 37 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=8.7km az=154.8.
MOS Error ellipse: s-maj=99.9km s-min=25.6km az=173.8.
KRSC VII 11 04 03 54.4–2.1 48.96N 157.24E 20–33 3.8L
¶604183851
KRSC Event type se.
ISC VII 11 12 40 05.3–1.4 44.7N–.10 152.1E–.10 41 4.2b,3.6s 55 3-79
NIED VII 11 12 40 00 45.40N 151.90E 14 3.8W,3.6s **¶603070752**
MOS VII 11 12 40 03.4–1.5 44.84N 152.33E 35 4.4b,3.6s
JMA VII 11 12 40 05.4–.70 45.37N 151.91E 30 4.1,3.6s
SKHL VII 11 12 40 06.1–.10 45.10N 151.97E 40 4.6b,3.6s
IDC VII 11 12 40 17.5–2.1 47.06N 149.59E 0 4.0b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ35.00000°,λ117.00000°. NP2:ϕ_s3.00000°,δ60.00000°,λ72.00000°. $M_0$5.78000×10^{14}
MOS Error ellipse: s-maj=13.3km s-min=13.0km az=114.7.
JMA Error ellipse: s-maj=8.9km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=53.2km s-min=25.2km az=159.0.
ISC VII 12 17 52 13.2–4.5 45.1N–.20 152.0E–.20 41 21 3-7
NIED VII 12 17 52 00 45.40N 151.70E 14 3.8W **¶603070753**
SKHL VII 12 17 52 11.3–.50 44.95N 152.11E 35–5 4.6b
MOS VII 12 17 52 11.0–.43 45.00N 152.10E 35 4.1b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ30.00000°,λ91.00000°. NP2:ϕ_s35.00000°,δ60.00000°,λ89.00000°. $M_0$6.58000×10^{14}
MOS Error ellipse: s-maj=99.9km s-min=19.5km az=167.7.
ISC VII 13 22 32 47.8–2.1 44.00N–.07 151.17E–.05 7–12 4.4b,4.1s 186 3-151
NIED VII 13 22 32 00 44.50N 151.10E 8 4.0W,4.1s **¶601273205**
BJI VII 13 22 32 45.0 44.23N 151.65E 10 4.8b,4.5s
IDC VII 13 22 32 46.3–.55 44.09N 151.26E 0 4.2,4.1
JMA VII 13 22 32 49.8–.60 44.49N 151.06E 30 4.4,4.1
MOS VII 13 22 32 50.3–.85 44.02N 151.11E 36 4.6b,4.1
SKHL VII 13 22 32 51.4–.90 44.21N 150.99E 41–8 4.6b,4.1
NEIC VII 13 22 32 51.4–2.2 44.11N 151.17E 29–15 4.6b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ37.00000°,λ-80.00000°. NP2:ϕ_s238.00000°,δ54.00000°,λ-98.00000°. $M_0$1.03000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=11.8km az=168.0.
JMA Error ellipse: s-maj=7.8km s-min=5.6km az=-1.0.
MOS Error ellipse: s-maj=8.1km s-min=7.4km az=120.1.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=161.0.
ISC VII 14 01 43 03.3–.66 44.04N–.07 150.95E–.06 42 4.1b,3.6s 107 3-117
IDC VII 14 01 42 56.9–.73 44.09N 151.27E 0 4.0,3.9 **¶601468483**
JMA VII 14 01 43 00.7–.60 44.55N 150.99E 30 4.2,3.9
ISCJB VII 14 01 43 01.8–.54 43.98N–.07 150.87E–.05 42 4.0b,3.6s
NEIC VII 14 01 43 02.6–1.4 44.09N 151.24E 39–11 4.2b,3.6s
SKHL VII 14 01 43 02.4–1.0 44.12N 151.00E 49–8 4.4b,3.6s
MOS VII 14 01 43 04.7–1.2 44.42N 150.71E 51 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=17.7km az=15.0.
JMA Error ellipse: s-maj=7.8km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.9km az=161.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.6km az=110.0.
MOS Error ellipse: s-maj=13.2km s-min=8.9km az=26.0.
SKHL VII 14 07 44 54.5–.50 45.17N 152.06E 45 4.2b
JMA VII 14 07 44 56.1–.90 45.71N 151.71E 30 4.1 **¶603312348**
JMA Error ellipse: s-maj=8.9km s-min=9.3km az=-1.0.
ISC VII 14 18 48 31.8–.57 45.21N–.05 152.03E–.04 19–2 4.8b,4.5s 701 3-151
NIED VII 14 18 48 00 45.40N 152.20E 20 4.7W,4.5s **¶601273347**
ISCJB VII 14 18 48 27.8–.80 45.32N–.03 151.93E–.02 0–5 4.8b,4.4s
IDC VII 14 18 48 29.3–.50 45.36N 151.89E 0 4.6,4.5
BJI VII 14 18 48 29.6 45.41N 151.78E 6 5.0b,4.9b
NEIC VII 14 18 48 30.8–1.3 45.31N 151.87E 9–8 4.8b,4.9b
GCMT VII 14 18 48 30.8–.60 45.44N 152.17E 23–1 4.8W,4.9b
SKHL VII 14 18 48 30.3–.80 44.97N 152.39E 50–8 5.2b,4.6s
JMA VII 14 18 48 30.7–.70 45.37N 152.18E 30 4.9,4.6s
MOS VII 14 18 48 33.7–.99 45.33N 151.86E 40 5.1b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ48.00000°,λ15.00000°. NP2:ϕ_s56.00000°,δ79.00000°,λ137.00000°. $M_0$1.07000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.2km az=155.9.
IDC Error ellipse: s-maj=14.1km s-min=11.0km az=149.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.2km az=158.0.
GCMT Error ellipse: s-maj=6.7km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s26,c35; s54,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.15 $M_{\theta\theta}$-0.96±.10; $M_{\phi\phi}$-1.16±.09; $M_{r\theta}$0.05±.15; $M_{\theta\phi}$-0.55±.05; $M_{\phi r}$0.04±.15; Best double couple: NP1:ϕ_s40.00000°,δ46.00000°,λ90.00000°. NP2:ϕ_s220.00000°,δ44.00000°,λ90.00000°. Principal axes: T 2.1310,Plg89.0000°,Azm330.0000°; N -0.5020,Plg0.0000°,Azm220.0000°; P -1.6230,Plg1.0000°,Azm130.0000° $M_0$1.87700×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=4.5km az=113.1.
JMA VII 15 03 04 05.2–.90 45.73N 152.14E 30 4.1
NIED VII 15 03 04 00 45.70N 152.10E 32 3.7W **¶603640548**
JMA Error ellipse: s-maj=10.0km s-min=9.3km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ64.00000°,λ-10.00000°. NP2:ϕ_s239.00000°,δ81.00000°,λ-154.00000°. $M_0$4.32000×10^{14}
ISC VII 15 09 16 47.8–.86 45.2N–.10 152.15E–.08 30 3.6b,3.2s 42 3-82
NIED VII 15 09 16 00 45.70N 152.00E 8 3.8W,3.2s **¶601664610**
ISCJB VII 15 09 16 45.5–.75 45.2N–.10 152.15E–.09 30 3.8b,3.3s
JMA VII 15 09 16 46.3–.90 45.67N 152.04E 30 4.3,3.3s
SKHL VII 15 09 16 46.3–.70 45.02N 152.30E 35–4 4.4b,3.3s
IDC VII 15 09 16 51.2–3.1 45.59N 151.93E 46–29 3.8,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s144.00000°,δ34.00000°,λ-13.00000°. NP2:ϕ_s245.00000°,δ83.00000°,λ-123.00000°. $M_0$5.04000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=6.2km az=156.7.
JMA Error ellipse: s-maj=10.0km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=21.5km az=147.0.
KRSC VII 15 16 03 41.8–1.9 48.70N 156.50E 24–29 4.3L
MOS VII 15 16 03 41.7–2.6 48.70N 156.50E 24 4.4b **¶601276593**
KRSC Event type se.
MOS Error ellipse: s-maj=21.9km s-min=4.9km az=77.4.
JMA VII 16 11 31 46.3–.80 45.49N 152.02E 30 3.8
¶603641284
JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.
ISC VII 17 15 34 47.3–4.3 44.8N–.10 151.8E–.20 35 31 3-10
NIED VII 17 15 34 00 45.60N 151.60E 29 3.7W **¶603312382**
JMA VII 17 15 34 45.1–.50 45.64N 151.59E 30 3.9
SKHL VII 17 15 34 45.1–1.4 45.22N 151.83E 35 4.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s139.00000°,δ70.00000°,λ5.00000°. NP2:ϕ_s47.00000°,δ86.00000°,λ160.00000°. $M_0$4.09000×10^{14}
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISC VII 17 15 52 14.8–.60 44.36N–.07 152.45E–.06 25 4.3b,3.3s 120 3-150
NIED VII 17 15 52 00 44.90N 152.20E 5 3.9W,3.3s **¶601473890**
IDC VII 17 15 52 11.4–.67 44.45N 152.61E 0 4.2,4.1
SKHL VII 17 15 52 13.6–.10 44.41N 152.54E 38–8 5.1b,4.1
ISCJB VII 17 15 52 13.8–.43 44.44N–.06 152.31E–.05 25 4.2b,3.3s
MOS VII 17 15 52 15.6–1.2 44.50N 152.40E 40 4.6b,3.3s
NEIC VII 17 15 52 16.6–.52 44.47N 152.57E 35 4.3b,3.3s
JMA VII 17 15 52 16.1–.60 44.90N 152.19E 30 4.7,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ40.00000°,λ-98.00000°. NP2:ϕ_s249.00000°,δ50.00000°,λ-83.00000°. $M_0$8.48000×10^{14}
IDC Error ellipse: s-maj=17.7km s-min=14.2km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.0km az=160.4.
MOS Error ellipse: s-maj=8.4km s-min=7.2km az=38.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.7km az=150.0.
JMA Error ellipse: s-maj=6.7km s-min=4.7km az=-1.0.
KRSC VII 17 16 56 20.2–1.7 50.78N 160.18E 68–33 3.7L
¶604183864
KRSC Event type se.
ISC VII 17 17 57 42.9–.94 45.9N–.10 153.94E–.09 10 3.7b 19 4-148
ISCJB VII 17 17 57 41.9–.81 46.0N–.10 153.9E–.10 10 3.8b **¶601664734**
IDC VII 17 17 57 42.2–.86 46.03N 154.01E 0 3.8,3.8b
SKHL VII 17 17 58 10.0–.30 45.24N 152.70E 45–1 4.3b,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=9.2km az=153.9.
IDC Error ellipse: s-maj=25.9km s-min=20.9km az=85.0.
KRSC VII 17 23 58 50.9–1.3 48.11N 156.99E 7–14 4.1L
MOS VII 17 23 58 50.9–2.4 48.11N 156.99E 7 4.3b **¶603070811**
KRSC Event type se.
MOS Error ellipse: s-maj=93.3km s-min=7.0km az=83.2.
ISC VII 18 08 07 43.9–.69 44.8N–.10 152.00E–.07 41 4.0b 71 3-80
NIED VII 18 08 07 00 45.60N 151.80E 20 4.2W **¶601506010**
JMA VII 18 08 07 43.1–.60 45.63N 151.82E 30 4.5
SKHL VII 18 08 07 44.7–.30 44.36N 152.09E 41–3 4.5b
IDC VII 18 08 07 47.7–.99 45.56N 151.74E 42–4 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ51.00000°,λ-11.00000°. NP2:ϕ_s241.00000°,δ82.00000°,λ-140.00000°. $M_0$1.94000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=28.6km s-min=12.1km az=174.0.
KRSC VII 18 20 09 47.9–1.3 50.97N 158.14E 46–17 3.7L
¶604183865
KRSC Event type se.
ISC VII 19 07 25 08.5–1.0 45.7N–.20 152.0E–.10 35 3.8b 11 7-79
ISCJB VII 19 07 25 06.6–.92 45.7N–.20 152.0E–.20 35 3.8b **¶601664823**
IDC VII 19 07 25 12.9–4.9 45.55N 151.79E 78–44 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=15.9km az=166.7.
IDC Error ellipse: s-maj=26.5km s-min=22.2km az=26.0.
ISC VII 19 19 03 11.7–1.5 46.2N–.20 154.3E–.10 19 3.8b 9 7-77
IDC VII 19 19 03 08.8–1.7 46.21N 154.33E 0 3.9,3.9 **¶601664843**
ISCJB VII 19 19 03 10.1–1.3 46.3N–.20 154.3E–.20 19 3.8b,2.9s
ISC Event type ke.
ISCJB Event type ke.
KRSC VII 20 17 49 16.8–3.0 49.53N 157.16E 49–25 4.2L
MOS VII 20 17 49 16.8–2.3 49.53N 157.16E 49 4.3b **¶601456426**
KRSC Event type se.
MOS Error ellipse: s-maj=36.5km s-min=5.0km az=82.8.
KRSC VII 20 20 47 42.7–2.1 49.21N 157.26E 30–28 3.8L
¶604183868
KRSC Event type se.
KRSC VII 21 06 00 12.9–2.5 49.17N 157.16E 42–45 3.8L
¶604183870
KRSC Event type se.
KRSC VII 21 07 23 12.7–1.7 49.32N 157.12E 44–27 3.9L
¶604183871
KRSC Event type se.
KRSC VII 22 03 34 54.7–1.4 48.22N 157.90E 4–6 3.7L
¶604183875
KRSC Event type se.
ISC VII 22 11 49 34.1–1.4 44.8N–.30 151.9E–.10 41 3.5b 16 5-79
IDC VII 22 11 49 31.3–.99 45.52N 151.98E 0 3.8,3.6 **¶601664968**
JMA VII 22 11 49 32.9–.40 45.43N 151.79E 30 3.9,3.6
ISCJB VII 22 11 49 33.4–1.2 44.9N–.20 151.8E–.20 41 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
KRSC VII 22 14 41 46.8–1.3 49.16N 157.18E 30–22 3.8L
¶604183877
KRSC Event type se.
KRSC VII 23 15 19 29.8–1.6 48.35N 156.68E 16–30 3.7L
¶604183878
KRSC Event type se.
KRSC VII 24 02 14 50.3–2.1 49.28N 157.23E 7–43 3.8L
¶604183880
KRSC Event type se.
KRSC VII 24 21 51 33.6–1.9 49.22N 157.20E 40–19 3.8L
¶604183883
KRSC Event type se.
KRSC VII 25 13 54 30.5–.97 48.69N 157.85E 40–23 3.9L
¶604183885
KRSC Event type se.
KRSC VII 25 14 20 25.8–1.1 48.95N 156.57E 6–23 3.5L
¶604183886
KRSC Event type se.
KRSC VII 26 14 07 24.1–1.9 49.10N 157.20E 8–41 3.8L
¶604183888
KRSC Event type se.
ISC VII 26 22 55 54.5–1.2 44.9N–.10 150.65E–.10 51 39 2-46
IDC VII 26 22 56 00.8–4.3 45.52N 150.04E 92–31 3.5,3.2 **¶601666499**
SKHL VII 26 22 56 01.0–.70 45.10N 150.23E 79–1 4.4b,3.2
JMA VII 26 22 56 03.9–.70 44.73N 149.99E 102 4.0,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=98.0km s-min=21.8km az=150.0.
JMA Error ellipse: s-maj=7.8km s-min=6.3km az=-1.0.
ISC VII 29 07 43 57.9–.61 45.81N–.07 154.14E–.06 20 4.1b,3.4s 124 4-147
NIED VII 29 07 43 00 46.50N 153.80E 14 4.1W,3.4s **¶601666613**
IDC VII 29 07 43 54.9–.64 45.99N 154.15E 0 4.1,3.9
NEIC VII 29 07 43 56.5–2.7 45.99N 154.14E 10–16 4.4b,3.9

ISCJB VII 29 07 43 56.5–.45 45.85N–.06 153.94E–.06 20 4.0b,3.4s
SKHL VII 29 07 43 58.4–.70 45.78N 154.11E 39–2 4.4b,3.4s
MOS VII 29 07 43 59.0–1.1 45.91N 154.01E 39 4.4b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S243.00000°,δ15.00000°,λ83.00000°. NP2:ϕ_S71.00000°,δ75.00000°,λ92.00000°. $M_0$1.53000×10^{15}
IDC Error ellipse: s-maj=18.2km s-min=13.4km az=158.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.3km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.7km az=148.1.
MOS Error ellipse: s-maj=9.0km s-min=8.0km az=70.5.
KRSC VII 29 13 28 15.2–1.2 49.21N 157.16E 44–24 3.7L
¶604183893

KRSC Event type se.
KRSC VII 30 05 21 48.7–1.3 49.33N 157.09E 16–22 3.9L
¶604183894

KRSC Event type se.
KRSC VII 30 05 36 09.6–2.1 49.29N 157.37E 7–42 3.8L
¶604183895

KRSC Event type se.
ISC VII 31 20 40 27.6–.99 46.4N–.20 154.4E–.10 20 4.2b 32 7-84
IDC VII 31 20 40 23.8–2.3 46.28N 154.44E 0 4.0,3.9 **¶601650848**
ISCJB VII 31 20 40 25.4–.81 46.4N–.10 154.4E–.10 20 4.4b,3.9
NEIC VII 31 20 40 28.8–.84 46.36N 154.47E 32–5 4.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=59.1km s-min=22.8km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=7.7km az=147.5.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.1km az=151.0.
KRSC VII 31 22 26 35.4–1.6 48.76N 156.52E 15–23 3.8L
¶604183897

KRSC Event type se.
ISC VIII 01 19 52 55.0–2.4 45.1N–.20 152.6E–.20 60 19 3-70
NIED VIII 01 19 52 00 46.00N 152.00E 32 3.6W **¶603377240**
JMA VIII 01 19 52 56.0–.70 45.95N 152.03E 30 4.0
SKHL VIII 01 19 52 58.5–.20 45.44N 152.27E 42–6 4.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S141.00000°,δ48.00000°,λ-13.00000°. NP2:ϕ_S239.00000°,δ81.00000°,λ-137.00000°. $M_0$3.29000×10^{14}
JMA Error ellipse: s-maj=8.9km s-min=8.5km az=-1.0.
ISC VIII 06 10 52 25.3–.76 45.28N–.09 152.83E–.08 35 3.9b 47 4-148
IDC VIII 06 10 52 21.0–.68 45.38N 153.09E 0 4.0,3.9b **¶601765550**
ISCJB VIII 06 10 52 25.2–.64 45.31N–.09 152.59E–.08 35 3.8b,3.3s
JMA VIII 06 10 52 25.7–.70 45.75N 152.67E 30 4.2,3.3s
SKHL VIII 06 10 52 26.5–.90 45.76N 152.51E 39–3 4.4b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=18.4km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=4.9km az=154.0.
JMA Error ellipse: s-maj=11.1km s-min=7.8km az=-1.0.
ISC VIII 06 13 50 07.9–1.2 47.2N–.10 155.8E–.20 18 3.7b 41 3-73
KRSC VIII 06 13 50 05.9–1.7 47.24N 156.77E 17–48 4.0L **¶601531832**
MOS VIII 06 13 50 05.8–2.8 47.24N 156.77E 17 4.2b
IDC VIII 06 13 50 05.2–1.4 47.15N 155.59E 0 3.8,3.7b
ISCJB VIII 06 13 50 06.4–.88 47.26N–.07 155.9E–.20 18 3.8b,3.4s
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC VIII 06 20 50 33.0–2.2 48.29N 156.30E 17–35 4.2L
MOS VIII 06 20 50 33.0–2.5 48.29N 156.30E 17 4.3b **¶601531843**
KRSC Event type se.
MOS Error ellipse: s-maj=95.9km s-min=8.6km az=80.1.
ISC VIII 08 22 37 13.3–1.3 46.5N–.10 154.6E–.10 18 3.9b 46 4-84
IDC VIII 08 22 37 09.2–.91 46.42N 154.94E 0 3.9,3.8 **¶601564309**
ISCJB VIII 08 22 37 10.5–.73 46.34N–.10 154.7E–.10 18 3.8b,3.8
SKHL VIII 08 22 37 12.2–.80 45.53N 154.99E 68–7 4.6b,3.8
NEIC VIII 08 22 37 14.6–.76 46.50N 154.93E 35 4.4b,3.8
MOS VIII 08 22 37 17.0–2.7 46.30N 154.39E 68 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=19.0km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.4km az=148.1.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.5km az=130.0.
MOS Error ellipse: s-maj=13.4km s-min=10.9km az=66.4.
KRSC VIII 11 11 19 28.0–2.0 49.89N 157.20E 50–32 4.0L
MOS VIII 11 11 19 28.0–2.2 49.89N 157.20E 50 4.2b **¶601553224**
KRSC Event type se.
MOS Error ellipse: s-maj=33.7km s-min=5.3km az=82.3.
KRSC VIII 13 22 18 27.0–2.1 49.83N 157.31E 50–25 3.9L
¶604183914

KRSC Event type se.
ISC VIII 14 20 33 17.7–.90 44.84N–.08 151.72E–.09 41 4.1b,3.6s 100 3-83
NIED VIII 14 20 33 00 45.40N 151.70E 41 4.2W,3.6s **¶601765851**
JMA VIII 14 20 33 15.2–.60 45.37N 151.70E 30 4.5,3.6s
SKHL VIII 14 20 33 16.0–.50 44.73N 151.84E 52–2 4.5b,3.6s
ISCJB VIII 14 20 33 16.2–.53 44.81N–.05 151.64E–.06 41 4.0b,3.6s
MOS VIII 14 20 33 17.6–1.6 44.96N 151.57E 46 4.3b,3.6s
IDC VIII 14 20 33 26.8–2.6 45.95N 150.82E 57–21 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S169.00000°,δ23.00000°,λ21.00000°. NP2:ϕ_S59.00000°,δ82.00000°,λ111.00000°. $M_0$2.25000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.8km az=146.4.
MOS Error ellipse: s-maj=9.5km s-min=8.7km az=13.7.
IDC Error ellipse: s-maj=24.2km s-min=17.3km az=122.0.
KRSC VIII 18 09 01 48.4–2.1 49.95N 157.01E 100–28 3.9L
¶604183920

KRSC Event type se.
KRSC VIII 19 21 34 24.8–2.1 48.08N 156.48E 60–60 3.8L
¶604183923

KRSC Event type se.
KRSC VIII 20 10 45 18.8–1.7 48.94N 156.37E 6–32 4.1L
MOS VIII 20 10 45 18.7–2.2 48.94N 156.37E 6 4.2b **¶601610476**
KRSC Event type se.
MOS Error ellipse: s-maj=66.4km s-min=6.7km az=80.8.
KRSC VIII 20 14 41 24.4–2.6 48.90N 156.85E 26–43 4.1L
MOS VIII 20 14 41 24.4–2.4 48.90N 156.85E 26 4.3b **¶601610511**
KRSC Event type se.
MOS Error ellipse: s-maj=75.8km s-min=10.5km az=83.6.
KRSC VIII 25 17 19 45.5–.74 48.35N 156.42E 42–18 3.7L
¶604183937

KRSC Event type se.
KRSC VIII 25 19 55 04.2–1.2 48.57N 156.13E 31–16 3.9L
¶604183938

KRSC Event type se.
ISC VIII 28 01 17 30.9–.77 45.6N–.10 152.01E–.10 30 3.9b 38 7-83
IDC VIII 28 01 17 26.6–.86 45.70N 152.05E 0 4.0,3.8 **¶601755490**
NEIC VIII 28 01 17 27.5–2.2 45.67N 152.04E 7–13 4.1b,3.8
ISCJB VIII 28 01 17 28.9–.51 45.67N–.08 151.94E–.09 30 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
KRSC IX 02 13 35 06.9–1.6 48.74N 156.19E 42–24 3.8L
¶604183962

KRSC Event type se.
KRSC IX 05 00 00 03.6–2.1 48.14N 156.58E 20–51 3.9L
¶604183967

KRSC Event type se.
ISC IX 06 20 30 52.7–1.8 43.62N–.09 151.8E–.10 35 4.0b 44 3-80
JMA IX 06 20 30 49.9–.60 44.29N 152.06E 30 4.3 **¶601863069**
SKHL IX 06 20 30 51.7–.30 43.77N 151.86E 41–2 4.3b
IDC IX 06 20 30 56.1–2.4 45.13N 151.28E 0 4.1,4.0
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=69.3km s-min=25.6km az=168.0.

KRSC IX 08 03 37 28.3–1.5 48.86N 156.69E 40–24 3.9L
¶604183975

KRSC Event type se.
ISC IX 09 10 46 38.2–1.2 44.67N–.10 151.84E–.09 36 3.9b 60 3-73
JMA IX 09 10 46 39.3–.60 45.45N 151.52E 30 4.3 **¶601863230**
SKHL IX 09 10 46 41.7–.70 45.06N 151.45E 45–15 4.8b
IDC IX 09 10 46 43.2–4.5 45.22N 151.57E 55–25 3.8,3.8b
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=78.7km s-min=25.1km az=139.0.
KRSC IX 10 08 30 23.3–2.2 48.95N 157.91E 5–15 3.6L
¶604183983

KRSC Event type se.
ISC IX 10 20 19 03.5–.56 44.82N–.07 151.68E–.06 36 4.6b,3.8s 229 3-149
BJI IX 10 20 18 59.6 45.34N 151.81E 17 4.6b,4.4b **¶601703085**
NIED IX 10 20 19 00 45.40N 151.60E 17 4.1W,4.4b
SKHL IX 10 20 19 01.2–1.2 44.73N 151.92E 43–6 4.9b,3.5s
JMA IX 10 20 19 02.0–.50 45.37N 151.63E 30 4.6,3.5s
ISCJB IX 10 20 19 02.7–.38 44.81N–.06 151.63E–.05 36 4.5b,3.7s
IDC IX 10 20 19 04.5–4.8 45.19N 151.65E 33–36 3.9,3.9
NEIC IX 10 20 19 04.5–2.1 45.17N 151.64E 35–15 4.7b,3.9
MOS IX 10 20 19 06.4–.98 45.07N 151.21E 50 4.9b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S171.00000°,δ50.00000°,λ44.00000°. NP2:ϕ_S49.00000°,δ58.00000°,λ131.00000°. $M_0$1.65000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.0km az=153.6.
IDC Error ellipse: s-maj=18.1km s-min=13.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.6km az=146.0.
MOS Error ellipse: s-maj=9.3km s-min=6.9km az=122.9.
ISC IX 12 07 19 09.4–.54 46.84N–.06 155.77E–.06 18 4.6b 132 4-147
IDC IX 12 07 19 07.0–.60 46.79N 155.87E 0 4.6,4.4 **¶601863400**
ISCJB IX 12 07 19 08.3–.44 46.89N–.05 155.58E–.06 18 4.6s,4.5b
SKHL IX 12 07 19 09.7–.20 46.89N 155.73E 52–7 5.4b,4.7s
MOS IX 12 07 19 12.6–1.9 46.89N 155.46E 54 4.8b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=11.8km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.5km az=142.1.
MOS Error ellipse: s-maj=7.9km s-min=6.9km az=75.3.
SKHL IX 13 06 17 56.4–1.4 45.04N 152.01E 33 4.1b
JMA IX 13 06 18 00.9–.90 45.65N 151.37E 30 4.0 **¶603514431**
JMA Error ellipse: s-maj=10.0km s-min=9.3km az=-1.0.
ISC IX 14 11 16 32.4–4.3 44.5N–.10 150.3E–.20 39 24 2-8
SKHL IX 14 11 16 31.8–.20 44.63N 150.36E 33 3.8b **¶603514438**
JMA IX 14 11 16 31.0–.60 44.99N 150.28E 30 3.8
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
KRSC IX 18 03 36 46.4–2.5 48.86N 156.81E 7–41 4.4L
MOS IX 18 03 36 46.3–2.5 48.86N 156.81E 7 4.6b **¶601725121**
KRSC Event type se.
MOS Error ellipse: s-maj=60.2km s-min=7.1km az=81.8.
KRSC IX 24 07 42 46.2–.96 49.90N 159.85E 40–24 3.9L
¶604184007

KRSC Event type se.
ISC IX 26 13 20 07.1–1.3 44.7N–.10 151.6E–.10 35 3.7b 46 3-72
NIED IX 26 13 20 00 45.40N 151.10E 20 3.8W **¶601864206**
SKHL IX 26 13 20 10.6–.50 45.06N 151.23E 42–7 4.7b
JMA IX 26 13 20 11.0–.50 45.42N 151.09E 30 4.3
MOS IX 26 13 20 11.4–1.5 45.30N 151.13E 45 4.2b
IDC IX 26 13 20 15.1–3.1 45.36N 151.01E 57–26 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S256.00000°,δ36.00000°,λ134.00000°. NP2:ϕ_S26.00000°,δ65.00000°,λ63.00000°. $M_0$5.05000×10^{14}
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
MOS Error ellipse: s-maj=21.9km s-min=15.9km az=144.1.
IDC Error ellipse: s-maj=33.4km s-min=24.7km az=99.0.
KRSC IX 27 03 02 11.2–1.9 48.57N 158.08E 30–28 4.3L
MOS IX 27 03 02 11.1–2.9 48.57N 158.08E 30 4.4b **¶601752430**
KRSC Event type se.
MOS Error ellipse: s-maj=49.1km s-min=7.0km az=88.6.
NIED IX 28 19 48 00 44.60N 150.20E 20 3.7W
¶604633769

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S165.00000°,δ25.00000°,λ30.00000°. NP2:ϕ_S47.00000°,δ78.00000°,λ112.00000°. $M_0$3.43000×10^{14}
KRSC X 02 11 40 15.1–1.3 49.89N 157.76E 10–25 3.7L
¶604184027

KRSC Event type se.
ISC X 03 08 50 05.0–1.4 45.7N–.30 153.1E–.10 35 3.6b 10 4-78
IDC X 03 08 49 56.0–.93 46.77N 151.13E 0 3.9,3.7 **¶603779989**
SKHL X 03 08 50 00.8–.80 45.38N 153.37E 37–4 4.4b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=22.5km az=100.0.
ISC X 04 12 53 23.3–2.6 47.9N–.10 156.1E–.20 35 20 3-75
IDC X 04 12 53 11.7–3.2 47.48N 154.75E 0 4.0,3.8b **¶601794279**
KRSC X 04 12 53 21.4–2.3 48.06N 156.88E 17–34 3.8L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=74.1km s-min=56.9km az=28.0.
KRSC Event type se.
KRSC X 05 03 28 48.4–1.6 49.94N 157.03E 20–32 3.9L
MOS X 05 03 28 48.3–1.8 49.94N 157.03E 20 4.2b **¶601794281**
KRSC Event type se.
MOS Error ellipse: s-maj=49.4km s-min=10.6km az=84.7.
KRSC X 05 11 08 32.1–1.8 49.17N 157.13E 32–28 4.5L
MOS X 05 11 08 32.1–2.8 49.17N 157.13E 32 4.6b **¶601794282**
KRSC Event type se.
MOS Error ellipse: s-maj=42.6km s-min=4.9km az=82.7.
KRSC X 07 09 26 13.4–1.5 48.91N 157.38E 31–17 3.9L
¶604184034

KRSC Event type se.
KRSC X 10 02 56 30.1–1.5 48.20N 156.38E 7–30 4.3L
MOS X 10 02 56 30.0–2.7 48.20N 156.38E 7 4.4b **¶601825952**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=12.0km az=83.1.
KRSC X 14 10 36 04.0–1.5 48.28N 156.50E 14–34 3.7L
¶604184041

KRSC Event type se.
KRSC X 14 14 23 01.2–1.4 48.15N 156.08E 40–28 3.9L
¶604184042

KRSC Event type se.
KRSC X 14 15 22 18.2–2.5 48.34N 156.56E 7–44 3.6L
¶604184043

KRSC Event type se.
KRSC X 14 16 34 42.1–1.8 48.23N 156.49E 18–38 3.9L
¶604184044

KRSC Event type se.
SKHL X 15 00 35 59.7–.60 47.83N 155.96E 65–4 4.2b
MOS X 15 00 35 58.5–1.9 47.98N 156.07E 61 4.2b **¶601836446**
KRSC X 15 00 35 58.5–1.7 47.98N 156.07E 62–38 4.0L
MOS Error ellipse: s-maj=79.9km s-min=7.2km az=79.7.
KRSC Event type se.
KRSC X 15 15 42 44.0–1.9 48.29N 156.72E 7–43 4.0L
¶604184047

KRSC Event type se.
KRSC X 18 16 11 20.7–1.7 48.40N 156.62E 8–51 3.8L
¶604184054

KRSC Event type se.
KRSC X 18 18 22 10.3–1.4 49.67N 157.03E 7–26 3.8L
¶604184055

KRSC Event type se.
KRSC X 24 11 47 22.2–1.5 48.36N 156.57E 14–24 4.0L
¶604184062

KRSC Event type se.
ISC X 25 08 03 37.2–2.7 44.0N–.10 148.1E–.10 87–18 24 1-6
JMA X 25 08 03 36.6–.30 43.65N 147.96E 8 3.6 **¶603695038**
SKHL X 25 08 03 37.4–.10 43.95N 148.14E 75–1 4.4b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
KRSC X 25 09 19 15.6–2.5 50.20N 158.41E 156–44 3.7L
¶604184067
KRSC Event type se.
KRSC X 25 13 28 37.2–1.4 50.09N 159.03E 81–32 3.6L
¶604184068
KRSC Event type se.
ISC X 28 17 18 33.3–3.7 43.1N–.10 149.0E–.20 35 20 2-4
JMA X 28 17 18 32.8–.60 43.13N 149.11E 30 4.2 **¶603697062**
SKHL X 28 17 18 34.3–.30 43.08N 149.01E 69–5 4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=4.9km az=-1.0.
KRSC X 31 02 12 57.2–2.6 48.82N 156.81E 38–27 3.8L
¶604184082
KRSC Event type se.
KRSC XI 02 00 29 51.1–1.9 49.45N 157.14E 14–37 3.9L
¶604184086
KRSC Event type se.
ISC XI 02 17 19 46.6–1.2 48.79N–.09 156.2E–.10 35 44 2-75
IDC XI 02 17 19 41.9–1.5 48.80N 155.16E 0 3.7,3.4 **¶602051244**
MOS XI 02 17 19 44.5–1.2 48.96N 156.56E 33 4.3b,3.4
KRSC XI 02 17 19 49.9–1.8 49.15N 156.54E 40–25 4.2L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=168.6km s-min=26.8km az=110.0.
MOS Error ellipse: s-maj=32.8km s-min=5.8km az=76.7.
KRSC Event type se.
ISC XI 03 01 42 04.5–1.1 50.61N–.07 158.09E–.06 82–7 4.0b 153 1-79
KRSC XI 03 01 42 03.0–2.0 50.66N 158.23E 80–23 4.6L **¶601869341**
MOS XI 03 01 42 03.4–1.0 50.60N 157.93E 84 4.2b
ISCJB XI 03 01 42 04.3–.75 50.68N–.05 157.97E–.09 86–4 4.0b
IDC XI 03 01 42 08.3–2.4 50.76N 157.81E 104–17 4.0,3.8
ISC Event type se.
KRSC Event type se. FELT [I-II] at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=12.7km s-min=4.2km az=87.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.3km az=42.2.
IDC Error ellipse: s-maj=21.3km s-min=16.6km az=140.0.
ISC XI 03 14 38 40.5–2.9 43.98N–.05 148.51E–.06 27–20 3.8b 93 1-116
NIED XI 03 14 38 00 43.80N 148.30E 20 4.0W **¶602031590**
IDC XI 03 14 38 36.8–1.1 44.09N 148.44E 0 4.0,3.9
ISCJB XI 03 14 38 39.8–.82 43.99N–.05 148.49E–.06 34–7 3.8b,3.4s
JMA XI 03 14 38 39.2–.30 43.80N 148.26E 0 4.8,3.4s
MOS XI 03 14 38 40.8–1.1 44.05N 148.38E 43 4.1b,3.4s
SKHL XI 03 14 38 40.3–1.0 43.96N 148.59E 56–1 4.4b,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ19.00000°,λ84.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ92.00000°. $M_0$1.16000×10^{15}
IDC Error ellipse: s-maj=34.3km s-min=14.3km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.3km az=139.4.
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=10.0km s-min=9.1km az=67.7.
ISC XI 04 16 11 24.4–.96 47.0N–.10 154.3E–.10 27 3.6b 27 4-77
IDC XI 04 16 11 20.5–.90 46.87N 154.44E 0 3.9,3.7 **¶602388809**
ISCJB XI 04 16 11 22.6–.68 46.94N–.08 154.2E–.10 27 3.5b,3.7
MOS XI 04 16 11 22.3–1.0 45.93N 154.39E 25 4.1b,3.7
SKHL XI 04 16 11 25.5–1.0 47.11N 154.21E 59–2 4.2b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=16.9km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=4.6km az=140.4.
MOS Error ellipse: s-maj=26.6km s-min=10.8km az=51.9.
ISC XI 05 06 18 51.6–1.0 47.0N–.10 155.6E–.20 18 3.8b 11 6-76
IDC XI 05 06 18 48.9–.86 46.95N 155.71E 0 3.9,3.7 **¶602388844**
ISCJB XI 05 06 18 49.8–.80 47.02N–.09 155.7E–.20 18 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 06 15 57 55.9–.48 45.55N–.06 153.93E–.05 19 4.3b 173 4-149
IDC XI 06 15 57 53.9–.56 45.72N 153.95E 0 4.2,4.2 **¶601991483**
ISCJB XI 06 15 57 55.0–.31 45.65N–.04 153.82E–.04 19 4.2b,3.4s
BJI XI 06 15 57 57.0 45.70N 154.00E 33 4.8b,4.5b
JMA XI 06 15 57 57.5–1.0 46.08N 153.63E 30 5.0,4.5b
MOS XI 06 15 57 57.9–1.1 45.68N 153.82E 41 4.4b,4.5b
SKHL XI 06 15 57 58.3–.60 45.36N 153.86E 60–5 4.9b,4.5b
NEIC XI 06 15 57 59.2–.72 45.77N 153.89E 36–6 4.4b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=12.0km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.1km az=147.8.
JMA Error ellipse: s-maj=13.3km s-min=9.3km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=6.9km az=101.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=148.0.
ISC XI 07 15 43 46.6–.78 45.58N–.09 153.60E–.08 50 4.0b 48 4-78
IDC XI 07 15 43 40.8–.91 45.49N 153.76E 0 4.1,3.9 **¶601991518**
SKHL XI 07 15 43 43.3–.60 45.54N 153.75E 52–4 4.3b,3.9
ISCJB XI 07 15 43 44.5–.50 45.77N–.06 153.48E–.08 50 4.1b,3.9
MOS XI 07 15 43 45.3–1.1 45.34N 153.46E 44 4.2b,3.9
NEIC XI 07 15 43 45.4–.50 45.62N 153.70E 35 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=20.2km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.2km az=139.8.
MOS Error ellipse: s-maj=20.5km s-min=14.9km az=149.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.7km az=127.0.
KRSC XI 08 07 13 15.6–1.3 50.99N 159.75E 99–23 3.5L
¶604184101
KRSC Event type se.
ISC XI 08 15 53 56.5–.45 49.42N–.05 157.50E–.05 39 4.4b,3.2s 230 2-79
ISCJB XI 08 15 53 55.3–.27 49.41N–.02 157.37E–.05 39 4.4b,3.2s **¶601881314**
MOS XI 08 15 53 56.6–1.0 49.47N 157.32E 55 4.6b,3.2s
KRSC XI 08 15 53 56.2–2.5 49.54N 157.97E 40–43 5.0L,3.2s
NEIC XI 08 15 53 58.9–.68 49.54N 157.23E 57–6 4.5b,3.2s
IDC XI 08 15 53 59.5–2.2 49.54N 157.23E 60–19 4.2,4.0
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.4km az=29.7.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=3.3km az=81.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=139.0.
IDC Error ellipse: s-maj=18.7km s-min=10.5km az=117.0.
ISC XI 08 16 26 16.1–1.2 43.94N–.06 148.41E–.07 55–10 4.1b 101 1-153
NIED XI 08 16 26 00 43.70N 148.10E 53 3.9W **¶601991568**
JMA XI 08 16 26 15.9–.20 43.68N 148.06E 0 4.9
ISCJB XI 08 16 26 15.7–.72 43.98N–.05 148.35E–.06 67–6 4.0b
SKHL XI 08 16 26 16.7–.80 43.96N 148.37E 75–4 4.4b
MOS XI 08 16 26 16.5–1.1 44.15N 148.31E 70 4.4b
IDC XI 08 16 26 17.5–2.6 44.07N 148.49E 62–22 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ39.00000°,λ51.00000°. NP2:ϕ_s60.00000°,δ61.00000°,λ117.00000°. $M_0$7.96000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.3km az=139.3.
MOS Error ellipse: s-maj=9.2km s-min=8.5km az=70.7.
IDC Error ellipse: s-maj=18.0km s-min=12.1km az=151.0.
KRSC XI 09 12 41 59.1–2.9 48.97N 157.27E 22–55 3.6L
¶604184104
KRSC Event type se.
KRSC XI 13 00 12 22.6–2.7 48.18N 156.16E 16–91 3.7L
¶604184109
KRSC Event type se.
KRSC XI 17 19 40 40.8–1.9 49.41N 157.09E 40–26 3.9L
¶604184119
KRSC Event type se.
ISC XI 17 22 37 16.8–1.2 48.2N–.10 156.4E–.10 35 3.6b,3.1s 42 4-79
MOS XI 17 22 37 16.8–2.5 48.31N 157.41E 40 4.3b,3.1s **¶601992586**
KRSC XI 17 22 37 16.9–1.3 48.31N 157.41E 40–41 4.1L,3.1s
IDC XI 17 22 37 21.7–3.6 48.60N 155.49E 54–29 3.7,3.7
ISC Event type se.
MOS Error ellipse: s-maj=65.4km s-min=6.8km az=84.1.
KRSC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=22.2km az=145.0.
KRSC XI 18 15 59 22.2–.70 50.94N 159.91E 83–13 3.9L
¶604184121
KRSC Event type se.
KRSC XI 20 04 16 22.9–1.1 49.60N 157.06E 16–24 4.3L
MOS XI 20 04 16 22.9–1.6 49.60N 157.05E 16 4.4b **¶601993094**
KRSC Event type se.
MOS Error ellipse: s-maj=49.1km s-min=7.9km az=84.5.
ISC XI 20 09 28 53.5–4.1 44.1N–.10 150.5E–.20 47 27 2-8
JMA XI 20 09 28 52.7–.60 44.54N 150.49E 30 3.9 **¶603706286**
SKHL XI 20 09 28 54.5–.50 44.25N 150.48E 40–8 4.1b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISC XI 21 18 09 06.8–.92 44.43N–.10 150.77E–.08 61 3.5b 58 2-80
IDC XI 21 18 09 02.1–.88 44.94N 150.49E 0 3.9,3.7 **¶602389798**
ISCJB XI 21 18 09 05.7–.74 44.2N–.10 150.71E–.07 61 3.6b,3.7
MOS XI 21 18 09 05.5–1.7 44.66N 150.76E 47 4.2b,3.7
JMA XI 21 18 09 05.8–.50 45.06N 150.57E 30 4.0,3.7
SKHL XI 21 18 09 06.2–1.2 44.61N 150.71E 50–2 4.2b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=19.6km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=5.0km az=158.2.
MOS Error ellipse: s-maj=17.5km s-min=14.2km az=153.4.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
KRSC XI 23 08 19 46.1–2.4 48.96N 156.57E 6–35 3.6L
¶604184128
KRSC Event type se.
KRSC XI 23 11 11 04.6–2.4 49.58N 157.17E 49–39 4.0L
¶604184129
KRSC Event type se.
KRSC XI 23 18 12 37.2–2.0 50.72N 160.30E 63–38 3.9L
¶604184130
KRSC Event type se.
KRSC XI 24 00 20 50.1–1.7 49.96N 157.06E 20–21 3.6L
¶604184131
KRSC Event type se.
ISC XI 26 03 38 26.4–.76 48.54N–.08 157.28E–.08 16 3.7b 75 2-79
IDC XI 26 03 38 23.5–.84 48.41N 157.19E 0 3.8,3.7 **¶601994488**
ISCJB XI 26 03 38 25.4–.57 48.60N–.04 157.3E–.10 16 3.7b,3.0s
KRSC XI 26 03 38 25.9–1.5 48.66N 157.88E 30–26 4.2L,3.0s
MOS XI 26 03 38 26.0–.96 48.51N 157.34E 29 4.0b,3.0s
SKHL XI 26 03 38 27.6–.50 48.49N 157.25E 45–4 4.2b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=16.6km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.3km az=15.6.
KRSC Event type se.
MOS Error ellipse: s-maj=19.6km s-min=4.8km az=84.9.
IDC XI 26 20 53 02.7–1.8 47.66N 155.30E 0 3.7,3.5
¶602390006
IDC Error ellipse: s-maj=65.0km s-min=33.5km az=114.0.
SKHL XII 03 22 05 24.3–.30 48.65N 156.17E 63–5 4.3b
MOS XII 03 22 05 24.3–2.8 48.88N 156.55E 31 4.6b **¶601996012**
KRSC XII 03 22 05 24.4–1.7 48.89N 156.55E 31–17 4.4L
MOS Error ellipse: s-maj=63.2km s-min=6.6km az=80.2.
KRSC Event type se.
KRSC XII 06 17 16 11.5–1.7 48.17N 156.47E 12–37 4.0L
¶604184145
KRSC Event type se.
ISC XII 09 23 27 29.4–1.7 49.0N–.10 156.3E–.10 35 3.6b 40 2-63
IDC XII 09 23 27 10.4–8.1 47.50N 158.00E 0 3.7,3.7b **¶602033208**
MOS XII 09 23 27 37.6–1.9 49.56N 157.01E 15 4.2b,3.7b
KRSC XII 09 23 27 37.6–2.0 49.56N 157.01E 15–24 4.0L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=158.0km s-min=47.8km az=134.0.
MOS Error ellipse: s-maj=45.8km s-min=7.1km az=83.7.
KRSC Event type se.
KRSC XII 11 16 01 13.8–1.2 49.85N 157.76E 17–27 4.2L
MOS XII 11 16 01 03.7–1.1 48.91N 157.82E 32 4.3b **¶602036636**
KRSC Event type se.
MOS Error ellipse: s-maj=46.9km s-min=6.4km az=88.2.
ISC XII 13 12 20 54.8–.65 48.93N–.06 158.39E–.06 35 3.8b 131 2-145
IDC XII 13 12 20 50.0–.70 48.87N 158.29E 0 3.9,3.8 **¶602043365**
ISCJB XII 13 12 20 53.3–.44 48.99N–.03 158.31E–.07 33 3.7b,3.0s
KRSC XII 13 12 20 53.7–1.6 49.16N 158.61E 41–25 4.6L,3.0s
SKHL XII 13 12 20 54.6–.90 48.92N 158.13E 62–6 4.6b,3.0s
MOS XII 13 12 20 54.1–.79 48.99N 158.18E 45 4.0b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=14.6km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=15.0.
KRSC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=3.9km az=86.4.
IDC XII 13 13 26 10.0–8.9 45.91N 152.15E 0 3.7,3.4
¶602391267
IDC Error ellipse: s-maj=270.4km s-min=68.9km az=93.0.
KRSC XII 15 18 39 57.1–3.0 49.32N 157.02E 4–21 3.7L
¶604184159
KRSC Event type se.
KRSC XII 17 13 40 58.7–2.0 48.37N 156.86E 7–41 3.6L
¶604184162
KRSC Event type se.
ISC XII 17 18 30 56.9–3.8 43.88N–.08 149.34E–.07 25–27 4.2b 77 2-82
IDC XII 17 18 30 54.0–1.0 43.96N 149.22E 0 4.4,4.4s **¶602090196**
ISCJB XII 17 18 30 54.8–1.5 43.89N–.05 149.35E–.05 23–11 4.4s,4.1b
SKHL XII 17 18 30 55.4–.70 43.91N 149.51E 45–5 4.2b,4.1b
JMA XII 17 18 30 57.6–.60 44.21N 149.23E 30 3.7,4.1b
NEIC XII 17 18 30 57.7–2.0 43.97N 149.35E 27–14 4.8b,4.1b
MOS XII 17 18 30 57.1–.82 43.91N 149.25E 37 4.3b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=19.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=160.7.
JMA Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=133.0.
MOS Error ellipse: s-maj=12.3km s-min=10.7km az=28.6.
KRSC XII 21 12 03 17.8–1.4 49.68N 157.69E 14–38 3.8L
¶604184167
KRSC Event type se.
ISC XII 27 02 40 10.2–1.4 47.8N–.10 156.5E–.10 35 3.4b 50 3-75
IDC XII 27 02 40 02.6–.90 47.45N 156.12E 0 3.7,3.5 **¶602060870**
MOS XII 27 02 40 07.9–2.0 47.96N 157.13E 16 4.2b,3.5
KRSC XII 27 02 40 07.9–1.3 47.96N 157.13E 16–34 4.4L,3.5
ISCJB XII 27 02 40 08.7–1.0 47.83N–.06 156.5E–.20 33 3.5b,3.5
SKHL XII 27 02 40 08.3–.70 47.79N 156.84E 23–2 4.2b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=19.3km az=117.0.
MOS Error ellipse: s-maj=37.3km s-min=5.9km az=84.8.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=8.7km az=5.5.
IDC XII 31 14 02 40.5–12 44.58N 150.16E 0 3.7,3.3
¶602380492
IDC Error ellipse: s-maj=372.8km s-min=111.6km az=89.0.

(223) Eastern Sea of Japan.

ISC VIII 07 10 42 16.6–.93 42.39N–.07 138.41E–.06 250 3.2b 28 1-66
ISCJB VIII 07 10 42 15.9–.48 42.40N–.07 138.41E–.06 250 3.3b ¶601765598
IDC VIII 07 10 42 16.5–1.6 42.45N 138.35E 238–23 3.5,3.0
JMA VIII 07 10 42 17.2–.30 42.33N 138.40E 242–2 2.8,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.2km az=161.9.
IDC Error ellipse: s-maj=29.7km s-min=15.7km az=37.0.
JMA Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0.
ISC VIII 14 16 58 26.4–1.0 41.90N–.06 138.76E–.09 250 3.3b 26 1-47
ISCJB VIII 14 16 58 25.5–.56 41.95N–.05 138.68E–.08 250 3.3b ¶601765842
IDC VIII 14 16 58 25.7–1.4 42.05N 138.38E 223–24 3.9s,3.9
JMA VIII 14 16 58 27.1–.30 41.90N 138.78E 244–2 2.8,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.7km az=36.9.
IDC Error ellipse: s-maj=36.3km s-min=18.5km az=131.0.
JMA Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0.
ISC IX 22 18 44 15.6–1.8 43.6N–.10 138.6E–.10 274 19 2-67
JMA IX 22 18 44 12.7–.10 43.64N 138.31E 291 2.9 ¶601864005
ISCJB IX 22 18 44 14.1–1.1 43.6N–.10 138.4E–.10 274 2.8b
IDC IX 22 18 44 16.2–5.7 43.53N 138.69E 279–33 3.2,2.8
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=9.1km az=149.8.
IDC Error ellipse: s-maj=117.6km s-min=33.1km az=129.0.
JMA X 05 13 41 49.5 44.02N 140.79E 6–2 3.6
NIED X 05 13 41 00 44.00N 140.80E 5 3.4W ¶603684728
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s189.00000°,δ30.00000°,λ58.00000°. NP2:ϕ_s45.00000°,δ65.00000°,λ107.00000°. $M_0$1.42000×10^{14}
IDC X 30 06 16 36.9–452 44.79N 140.09E 0
¶602000438
IDC Error ellipse: s-maj=151.9km s-min=110.6km az=81.0.
ISC XI 19 22 19 27.8–.72 42.31N–.07 137.35E–.07 289 3.3b 32 2-66
ISCJB XI 19 22 19 27.5–.45 42.32N–.06 137.20E–.06 289 3.5b ¶602389701
JMA XI 19 22 19 28.3–.30 42.27N 137.36E 306 3.5
IDC XI 19 22 19 28.6–1.2 42.35N 137.20E 296–12 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.6km az=179.3.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=19.2km s-min=12.4km az=85.0.
ISC XII 02 10 51 50.0–.86 43.7N–.10 138.37E–.07 274 3.1b 19 2-67
ISCJB XII 02 10 51 48.7–.61 43.75N–.09 138.30E–.08 274 3.1b ¶602390345
IDC XII 02 10 51 49.5–1.3 43.72N 138.25E 263–13 3.5,3.1
JMA XII 02 10 51 50.1–.30 43.71N 138.33E 260 2.7,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.6km az=169.0.
IDC Error ellipse: s-maj=21.8km s-min=16.2km az=97.0.
JMA Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
ISC XII 04 03 06 07.0–1.2 44.5N–.10 140.75E–.09 250 12 1-68
ISCJB XII 04 03 06 06.5–.76 44.46N–.09 140.7E–.10 250 3.1b ¶602390423
JMA XII 04 03 06 06.2–.20 44.49N 140.84E 264 2.9
IDC XII 04 03 06 08.7–1.1 43.32N 140.46E 199–59 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=11.7km az=35.5.
JMA Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=126.5km s-min=23.6km az=7.0.
ISC XII 19 01 53 42.1–.61 41.30N–.03 138.16E–.04 10 3.7b 50 1-89
NIED XII 19 01 53 00 41.30N 138.20E 17 3.8W ¶602391647
ISCJB XII 19 01 53 41.5–.44 41.21N–.03 138.12E–.04 10 3.6b
JMA XII 19 01 53 43.3–.30 41.32N 138.17E 23 4.2
IDC XII 19 01 53 48.3–2.1 41.01N 138.01E 42–21 3.6,3.5
ISC Event type ke.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s236.00000°,δ75.00000°,λ173.00000°. NP2:ϕ_s328.00000°,δ83.00000°,λ15.00000°. $M_0$5.27000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=33.9.
JMA Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=13.3km az=91.0.

(224) Hokkaido region.

ISC VII 03 04 52 49.3–.59 41.44N–.04 141.98E–.04 53–5 4.0b 87 1-152
NIED VII 03 04 52 00 41.50N 141.90E 53 4.1W ¶601505921
ISCJB VII 03 04 52 48.4–.26 41.47N–.02 141.99E–.03 60–3 4.0b
MOS VII 03 04 52 48.1–1.0 41.45N 141.93E 56 4.3b
JMA VII 03 04 52 49.0–.10 41.46N 141.94E 55–2 4.1
IDC VII 03 04 52 50.2–.75 41.41N 141.90E 63–6 4.1,3.9
ISC Event type ke.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s108.00000°,δ47.00000°,λ112.00000°. NP2:ϕ_s257.00000°,δ47.00000°,λ68.00000°. $M_0$1.54000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=43.7.
MOS Error ellipse: s-maj=13.4km s-min=6.8km az=69.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s101.00000°,δ47.00000°,λ90.00000°. NP2: ϕ_s281.00000°,δ43.00000°,λ90.00000°. Principal axes: T Plg88.0000°,Azm11.0000° ; N Plg0.0000°,Azm101.0000°; P Plg2.0000°,Azm191.0000°
IDC Error ellipse: s-maj=14.4km s-min=12.4km az=113.0.
ISC VII 04 12 41 39.8–1.1 44.30N–.06 141.07E–.07 245–7 3.4b 43 0-68
ISCJB VII 04 12 41 38.8–.60 44.32N–.05 141.06E–.08 248–4 3.4b ¶601663475
JMA VII 04 12 41 38.6–.20 44.36N 141.03E 252–2 3.1
IDC VII 04 12 41 39.3–1.0 44.22N 140.69E 226–12 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.7km az=16.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=19.8km az=27.0.
ISC VII 05 09 49 28.3–.62 41.91N–.04 141.45E–.04 94–5 4.2b 110 0-76
ISCJB VII 05 09 49 27.5–.22 41.93N–.03 141.46E–.03 100–2 4.2b ¶601565536
JMA VII 05 09 49 28.7–.10 41.94N 141.44E 88–1 4.1
MOS VII 05 09 49 28.1–.76 41.94N 141.50E 111 4.2b
NEIC VII 05 09 49 29.2–.45 41.94N 141.50E 104–5 4.3b
IDC VII 05 09 49 29.1–1.3 41.95N 141.44E 100–10 4.2,3.9
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=138.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s323.00000°,δ77.00000°,λ-20.00000°. NP2: ϕ_s57.00000°,δ71.00000°,λ-166.00000°. Principal axes: T Plg4.0000°,Azm11.0000° ; N Plg67.0000°,Azm110.0000°; P Plg23.0000°,Azm279.0000°
MOS Error ellipse: s-maj=11.7km s-min=6.5km az=62.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=125.0.
IDC Error ellipse: s-maj=14.9km s-min=10.1km az=130.0.
ISC VII 05 16 07 16.9–.58 42.03N–.04 142.57E–.03 64–5 4.2b 148 0-146
NIED VII 05 16 07 00 42.00N 142.60E 50 4.1W ¶601505938
ISCJB VII 05 16 07 15.8–.26 42.04N–.03 142.58E–.03 70–2 4.1b
JMA VII 05 16 07 16.3–.20 42.04N 142.60E 64–2 3.8
MOS VII 05 16 07 16.2–.83 42.03N 142.64E 76 4.3b
NEIC VII 05 16 07 16.9–.48 42.01N 142.76E 78–5 4.6b
BJI VII 05 16 07 16.5 42.10N 142.60E 64 4.6b,4.5b
IDC VII 05 16 07 17.8–1.6 42.07N 142.54E 70–13 3.9,3.8
SKHL VII 05 16 07 17.3–1.1 41.96N 142.71E 82–2 6.0s,5.2b
ISC Event type se.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s26.00000°,δ66.00000°,λ88.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.2km az=147.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ64.00000°,λ89.00000°. NP2: ϕ_s204.00000°,δ26.00000°,λ92.00000°. Principal axes: T Plg71.0000°,Azm289.0000° ; N Plg1.0000°,Azm22.0000°; P Plg19.0000°,Azm112.0000°
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=76.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=116.0.
IDC Error ellipse: s-maj=14.5km s-min=9.9km az=122.0.
ISC VII 08 03 15 52.4–3.5 41.18N–.07 145.02E–.07 2–22 3.5b 22 2-66
NIED VII 08 03 15 00 41.10N 145.20E 5 3.6W ¶603636247
JMA VII 08 03 15 54.6–.30 41.14N 145.18E 60–2 3.5
ISCJB VII 08 03 15 55.5–1.8 41.32N–.08 145.09E–.08 12–15 3.4b
IDC VII 08 03 16 18.5–2.2 45.25N 144.39E 0 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ35.00000°,λ-83.00000°. NP2:ϕ_s354.00000°,δ55.00000°,λ-95.00000°. $M_0$2.40000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=9.4km az=157.0.
IDC Error ellipse: s-maj=49.6km s-min=25.1km az=145.0.
ISC VII 08 04 12 36.7–.85 42.83N–.04 143.76E–.04 87–6 3.8b 46 0-65
ISCJB VII 08 04 12 35.7–.48 42.80N–.04 143.76E–.04 92–3 3.7b ¶601405500
NEIC VII 08 04 12 36.1–2.5 42.88N 144.07E 92–11 4.2b
JMA VII 08 04 12 36.8–.10 42.82N 143.71E 85–1 3.3
IDC VII 08 04 12 40.1–3.7 45.24N 143.20E 0 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=158.1.
NEIC Event type se. Error ellipse: s-maj=53.5km s-min=13.2km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s221.00000°,δ87.00000°,λ121.00000°. NP2: ϕ_s316.00000°,δ31.00000°,λ6.00000°. Principal axes: T Plg40.0000°,Azm159.0000° ; N Plg31.0000°,Azm39.0000°; P Plg35.0000°,Azm285.0000°
IDC Error ellipse: s-maj=86.1km s-min=18.7km az=92.0.
ISC VII 09 08 30 19.8–.62 42.05N–.04 142.49E–.03 71–5 4.2b 146 0-146
NIED VII 09 08 30 00 42.10N 142.50E 62 3.9W ¶601258059
BJI VII 09 08 30 13.8 42.13N 143.26E 74 4.7b,4.7b
ISCJB VII 09 08 30 18.3–.23 42.07N–.03 142.49E–.03 72–2 4.1b,4.7b
MOS VII 09 08 30 18.4–.75 42.05N 142.49E 77 4.3b,4.7b
JMA VII 09 08 30 18.9–.20 42.07N 142.48E 67–2 3.8,4.7b
NEIC VII 09 08 30 19.1–.65 42.03N 142.96E 88–5 4.4b,4.7b
IDC VII 09 08 30 20.2–1.6 42.10N 142.40E 74–12 3.9,3.7
SKHL VII 09 08 30 20.0–.90 41.97N 142.70E 82–2 5.9s,5.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ25.00000°,λ113.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ80.00000°. $M_0$8.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.8km az=149.7.
MOS Error ellipse: s-maj=10.6km s-min=7.1km az=68.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ85.00000°,λ97.00000°. NP2: ϕ_s135.00000°,δ9.00000°,λ31.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg7.0000°,Azm193.0000°; P Plg40.0000°,Azm97.0000°
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=7.7km az=119.0. Felt at Shizunai. Also felt at Aomori, Honshu. Recorded [2 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=15.4km s-min=10.3km az=125.0.
ISC VII 12 11 17 14.1–.45 41.51N–.04 143.39E–.04 38–1 4.6b,3.2s 264 1-147
NIED VII 12 11 17 00 41.50N 143.30E 47 4.4W,3.2s ¶601271907
BJI VII 12 11 17 10.6 41.65N 143.62E 43 4.8b,4.7b
MOS VII 12 11 17 14.9–.93 41.59N 143.16E 56 4.8b,4.7b
ISCJB VII 12 11 17 14.7–.35 41.54N–.03 143.25E–.03 56–2 4.6b,3.4s
JMA VII 12 11 17 15.9–.10 41.56N 143.20E 55–2 4.6,3.4s
NEIC VII 12 11 17 16.8–.40 41.54N 143.09E 56–3 4.6b,3.4s
IDC VII 12 11 17 17.1–1.7 41.57N 143.11E 58–14 4.5,4.3
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ32.00000°,λ176.00000°. NP2:ϕ_s146.00000°,δ88.00000°,λ58.00000°. $M_0$4.53000×10^{15}
MOS Error ellipse: s-maj=7.1km s-min=5.1km az=86.9.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=139.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.3km az=132.0. Felt at Misawa, Honshu. Recorded [2 JMA] in southern and southwestern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=13.4km s-min=9.8km az=114.0.
ISC VII 12 18 04 09.0–.64 44.56N–.06 141.98E–.06 238–6 3.2b 41 0-148
ISCJB VII 12 18 04 08.3–.35 44.56N–.05 142.01E–.08 243–3 3.2b ¶601664495
JMA VII 12 18 04 08.8–.20 44.64N 141.92E 239–2 3.3
IDC VII 12 18 04 08.7–.44 44.58N 142.00E 231–4 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=8.6km az=3.8.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=10.9km az=115.0.
ISC VII 15 10 19 27.7–.70 42.80N–.05 141.21E–.05 144–5 3.6b 43 0-74
ISCJB VII 15 10 19 26.7–.34 42.80N–.04 141.21E–.06 148–3 3.6b ¶601664616
JMA VII 15 10 19 27.6–.10 42.81N 141.17E 142–1 3.2
IDC VII 15 10 19 27.8–1.0 42.84N 141.20E 143–8 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.5km az=41.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=12.1km az=145.0.
ISC VII 15 14 08 05.4–1.3 44.96N–.04 142.20E–.03 2–8 4.2b,4.2s 101 0-148
NIED VII 15 14 08 00 44.90N 142.30E 5 4.1W,4.2s ¶601273571
IDC VII 15 14 08 04.7–.62 44.92N 142.07E 0 4.0,3.8b
BJI VII 15 14 08 04.8 44.99N 142.59E 35 4.9b,4.5b
ISCJB VII 15 14 08 05.4–.85 44.88N–.03 142.10E–.03 12–5 4.2b,3.9s
JMA VII 15 14 08 06.3 44.83N 142.16E 0 4.2,3.9s
SKHL VII 15 14 08 08.6–.50 44.81N 142.09E 42–2 4.6b,3.9s
NEIC VII 15 14 08 08.5–2.5 44.83N 142.10E 29–19 4.5b,3.9s
MOS VII 15 14 08 08.1–.92 44.86N 142.13E 42 4.4b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s18.00000°,δ66.00000°,λ88.00000°. $M_0$1.66000×10^{15}
IDC Error ellipse: s-maj=17.2km s-min=9.0km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=10.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=8.9km az=96.0. Recorded [1 JMA] in northern Hokkaido.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=119.5.
ISC VII 15 21 49 46.3–1.2 44.91N–.03 142.11E–.03 11–7 4.0b,3.4s 107 0-90
NIED VII 15 21 49 00 44.90N 142.20E 5 4.1W,3.4s ¶601276375
IDC VII 15 21 49 44.5–.53 44.92N 142.02E 0 4.1,4.0
JMA VII 15 21 49 46.6 44.84N 142.15E 0 4.3,4.0
ISCJB VII 15 21 49 47.1–.47 44.89N–.03 142.08E–.03 25–3 4.1b,3.4s
SKHL VII 15 21 49 47.4–.30 44.76N 141.86E 44–10 4.6b,3.4s
MOS VII 15 21 49 48.2–1.0 44.89N 142.11E 38 4.3b,3.4s
NEIC VII 15 21 49 50.6–.72 44.92N 142.09E 42–7 4.5b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ52.00000°,λ46.00000°. NP2:ϕ_s26.00000°,δ55.00000°,λ131.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=16.3km s-min=8.4km az=62.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s359.00000°,δ75.00000°,λ90.00000°. NP2: ϕ_s179.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm269.0000° ; N Plg0.0000°,Azm179.0000°; P Plg30.0000°,Azm89.0000°
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=14.2.
MOS Error ellipse: s-maj=9.1km s-min=7.2km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=6.3km az=116.0. Recorded [4 JMA] in northern Hokkaido.
ISC VII 17 19 39 37.4–.68 44.85N–.07 142.21E–.06 35 3.6b 23 0-85
NIED VII 17 19 39 00 44.80N 142.10E 5 4.0W ¶605671903
IDC VII 17 19 39 33.2–.66 44.89N 142.01E 0 3.8,3.7b
ISCJB VII 17 19 39 35.4–.45 44.83N–.05 142.18E–.06 33 3.6b,3.5s
JMA VII 17 19 39 35.2 44.83N 142.15E 0 4.1,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ19.00000°,λ72.00000°. NP2:ϕ_s187.00000°,δ72.00000°,λ96.00000°. $M_0$9.94000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=8.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=6.6km az=175.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ60.00000°,λ82.00000°. NP2:ϕ_s8.00000°,δ31.00000°,λ103.00000°. Principal axes: T Plg74.0000°,Azm61.0000°; N Plg7.0000°,Azm176.0000°; P Plg14.0000° ,Azm268.0000°
ISC VII 17 19 50 21.9–.52 44.82N–.04 142.04E–.06 35 4.0b 55 0-85
NIED VII 17 19 50 00 44.90N 142.30E 5 3.9W ¶601664741

IDC VII 17 19 50 17.0–.58 44.95N 142.11E 0 4.0,3.8
ISCJB VII 17 19 50 20.0–.30 44.81N–.03 142.05E–.06 33 3.9b,3.1s
JMA VII 17 19 50 19.0 44.84N 142.15E 0 4.1,3.1s
NEIC VII 17 19 50 22.0–.33 44.85N 142.03E 35 4.3b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ23.00000°,λ100.00000°. NP2:ϕ_s182.00000°,δ67.00000°,λ86.00000°. $M_0$8.73000×10^{14}
IDC Error ellipse: s-maj=16.0km s-min=8.7km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.5km az=176.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s172.00000°,δ61.00000°,λ78.00000°. NP2: ϕ_s17.00000°,δ31.00000°,λ111.00000°. Principal axes: T Plg71.0000°,Azm54.0000° ; N Plg11.0000°,Azm178.0000°; P Plg15.0000°,Azm271.0000°
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.6km az=124.0. Recorded [3 JMA] in northern Hokkaido.
ISC VII 21 15 22 42.4–.64 44.82N–.07 141.99E–.07 273–6 3.6b 45 0-72
ISCJB VII 21 15 22 41.6–.34 44.84N–.06 141.96E–.08 277–4 3.5b **¶601664924**
JMA VII 21 15 22 42.3–.20 44.93N 141.95E 272–2 3.2
IDC VII 21 15 22 42.4–.56 44.87N 141.97E 269–8 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=8.8km az=30.1.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=13.3km az=158.0.
ISC VII 22 04 41 57.7–.28 42.47N–.03 143.02E–.02 65–2 5.1b 1575 0-157
NIED VII 22 04 41 00 42.50N 143.00E 62 5.1W **¶601459488**
BJI VII 22 04 41 53.8 42.39N 143.26E 57 5.3b,5.2b
SKHL VII 22 04 41 57.8–.90 42.39N 142.98E 81–3 5.7,5.4b
GCMT VII 22 04 41 57.3–.20 42.43N 142.91E 62–1 5.1W,5.4b
ISCJB VII 22 04 41 57.1–.15 42.45N–.02 142.94E–.02 73–1 5.0b,5.4b
MOS VII 22 04 41 57.6–.87 42.50N 142.88E 75 5.5b,4.3s
NEIC VII 22 04 41 57.3–.08 42.55N 142.85E 57 5.1b,4.3s
JMA VII 22 04 41 58.3–.10 42.49N 143.03E 61–1 5.1,4.3s
IDC VII 22 04 41 59.1–1.2 42.50N 142.94E 75–9 5.1,4.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s31.00000°,δ67.00000°,λ84.00000°. $M_0$4.76000×10^{16}
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s70,c103; s102,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.02±.14 $M_{\theta\theta}$-1.94±.12; $M_{\phi\phi}$-2.07±.12; $M_{r\theta}$0.78±.09; $M_{\theta\phi}$-2.35±.09; $M_{\phi r}$2.99±.08; Best double couple: NP1:ϕ_s27.00000°,δ64.00000° ,λ74.00000°. NP2:ϕ_s241.00000°,δ31.00000°,λ120.00000°. Principal axes: T 5.2470,Plg67.0000°,Azm266.0000°; N -0.0600,Plg15.0000°,Azm35.0000° ; P -5.1780,Plg17.0000°,Azm129.0000° $M_0$5.21200×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=154.7.
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=102.3. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=151.0. Felt [IV] at Obihiro and [III] at Sapporo. Also felt at Tomakomai. Felt at Hachinohe, Honshu. Recorded [4 JMA] in south-central Hokkaido and [2 JMA] in Aomori, Honshu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ62.00000°,λ69.00000°. NP2: ϕ_s250.00000°,δ34.00000°,λ124.00000°. Principal axes: T Plg66.0000°,Azm263.0000° ; N Plg18.0000°,Azm41.0000°; P Plg15.0000°,Azm136.0000°
IDC Error ellipse: s-maj=11.2km s-min=8.8km az=106.0.
ISC VII 22 07 00 05.0–.53 42.32N–.04 141.86E–.03 95–4 4.4b 221 0-147
NIED VII 22 07 00 00 42.30N 141.80E 83 4.1W **¶601456924**
ISCJB VII 22 07 00 03.5–.20 42.33N–.02 141.84E–.03 96–1 4.3b
JMA VII 22 07 00 03.5–.10 42.30N 141.78E 94–2 4.0
BJI VII 22 07 00 03.3 42.34N 141.99E 102 4.9b,4.7b
NEIC VII 22 07 00 04.8–.36 42.36N 141.87E 96–3 4.6b,4.7b
SKHL VII 22 07 00 04.3–1.2 42.38N 141.86E 103–3 5.7s,5.0b
MOS VII 22 07 00 04.2–.84 42.34N 141.91E 107 4.5b,5.0b
IDC VII 22 07 00 08.0–1.6 42.62N 141.79E 111–10 4.8s,4.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s129.00000°,δ32.00000°,λ-99.00000°. NP2:ϕ_s320.00000°,δ59.00000°,λ-85.00000°. $M_0$1.63000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=146.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s84.00000°,δ79.00000°,λ161.00000°. NP2: ϕ_s178.00000°,δ72.00000°,λ12.00000°. Principal axes: T Plg21.0000°,Azm40.0000° ; N Plg68.0000°,Azm235.0000°; P Plg5.0000°,Azm132.0000°
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=142.0. Felt at Tomakomai.
MOS Error ellipse: s-maj=8.2km s-min=5.9km az=82.3.
IDC Error ellipse: s-maj=20.2km s-min=10.6km az=156.0.
ISC VII 23 02 01 39.0–.83 45.33N–.09 141.93E–.08 309–7 3.0b 29 0-85
ISCJB VII 23 02 01 38.5–.53 45.33N–.08 141.9E–.10 314–6 3.0b **¶601666289**
IDC VII 23 02 01 38.8–1.2 45.79N 141.80E 281–40 3.5,3.0
JMA VII 23 02 01 39.4–.10 45.49N 142.07E 305 2.9,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=11.6km az=146.9.
IDC Error ellipse: s-maj=81.7km s-min=18.2km az=178.0.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
ISC VII 23 16 34 07.2–.71 42.93N–.05 144.03E–.03 99–5 3.3b 53 0-85
NIED VII 23 16 34 00 42.90N 144.00E 92 3.5W **¶601666320**
ISCJB VII 23 16 34 06.2–.36 42.92N–.04 144.04E–.04 103–3 3.4b
JMA VII 23 16 34 07.3–.10 42.95N 144.02E 97–1 3.5
SKHL VII 23 16 34 07.3–.80 42.93N 143.83E 53–7 4.3b
IDC VII 23 16 34 08.1–1.9 42.95N 143.98E 105–16 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ13.00000°,λ172.00000°. NP2:ϕ_s116.00000°,δ88.00000°,λ78.00000°. $M_0$2.01000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=153.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=16.9km az=112.0.
ISC VII 23 16 52 52.3–.80 41.98N–.05 142.54E–.04 62–7 3.9b 38 0-70
NIED VII 23 16 52 00 42.00N 142.60E 65 3.8W **¶601666321**
ISCJB VII 23 16 52 51.7–.45 41.99N–.05 142.56E–.05 71–3 3.8b
JMA VII 23 16 52 52.8–.20 42.02N 142.58E 62–2 3.6
IDC VII 23 16 52 53.6–1.8 42.05N 142.58E 73–15 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s278.00000°,δ3.00000°,λ114.00000°. NP2:ϕ_s74.00000°,δ87.00000°,λ89.00000°. $M_0$5.23000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.9km az=149.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s256.00000°,δ85.00000°,λ-83.00000°. NP2: ϕ_s17.00000°,δ9.00000°,λ-149.00000°. Principal axes: T Plg40.0000°,Azm339.0000° ; N Plg7.0000°,Azm75.0000°; P Plg49.0000°,Azm174.0000°
IDC Error ellipse: s-maj=22.4km s-min=13.3km az=99.0.
ISC VII 23 20 19 09.5–.87 42.28N–.04 142.55E–.04 61–6 3.7b 33 0-70
NIED VII 23 20 19 00 42.30N 142.50E 50 3.6W **¶601666339**
ISCJB VII 23 20 19 08.5–.46 42.26N–.04 142.56E–.05 69–4 3.6b
JMA VII 23 20 19 09.2–.20 42.28N 142.59E 63–2 3.8
IDC VII 23 20 19 10.7–2.0 42.34N 142.35E 68–20 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ73.00000°,λ-13.00000°. NP2:ϕ_s29.00000°,δ78.00000°,λ-162.00000°. $M_0$2.72000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=5.6km az=157.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ79.00000°,λ-14.00000°. NP2: ϕ_s28.00000°,δ76.00000°,λ-169.00000°. Principal axes: T Plg2.0000°,Azm342.0000° ; N Plg72.0000°,Azm78.0000°; P Plg18.0000°,Azm251.0000°
IDC Error ellipse: s-maj=37.0km s-min=16.0km az=92.0.
ISC VII 25 04 04 52.4–.76 41.90N–.04 142.52E–.04 63–6 4.0b 56 0-146
ISCJB VII 25 04 04 51.2–.41 41.88N–.04 142.53E–.04 69–3 3.8b **¶601476045**
JMA VII 25 04 04 51.5–.10 41.89N 142.53E 63–2 3.8
IDC VII 25 04 04 54.5–1.7 42.01N 142.59E 82–12 3.9,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.0km az=144.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s47.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s227.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm317.0000° ; N Plg0.0000°,Azm47.0000°; P Plg25.0000°,Azm137.0000°
IDC Error ellipse: s-maj=17.6km s-min=12.0km az=116.0.
ISC VII 25 06 42 47.8–.71 41.48N–.04 140.68E–.05 146–5 3.7b 44 0-88
ISCJB VII 25 06 42 46.8–.35 41.48N–.03 140.68E–.06 149–3 3.6b **¶601666407**
JMA VII 25 06 42 47.8–.10 41.49N 140.68E 145–1 3.0
IDC VII 25 06 42 48.0–1.4 41.62N 140.62E 141–11 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.4km az=14.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=11.8km az=146.0.
ISC VII 25 12 51 30.9–.86 41.99N–.04 142.49E–.04 63–7 3.7b 39 0-70
ISCJB VII 25 12 51 30.6–.49 41.96N–.04 142.51E–.04 70–5 3.5b **¶601666425**
JMA VII 25 12 51 31.1–.10 41.99N 142.51E 65–2 3.3
IDC VII 25 12 51 32.5–2.7 41.99N 142.83E 85–20 4.2s,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=145.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s13.00000°,δ86.00000°,λ96.00000°. NP2: ϕ_s133.00000°,δ7.00000°,λ30.00000°. Principal axes: T Plg48.0000°,Azm289.0000° ; N Plg6.0000°,Azm192.0000°; P Plg41.0000°,Azm97.0000°
IDC Error ellipse: s-maj=53.6km s-min=16.3km az=100.0.
ISC VII 25 17 30 02.9–.81 42.13N–.05 142.78E–.03 64–6 4.0b 64 0-70
ISCJB VII 25 17 30 01.6–.40 42.14N–.03 142.80E–.03 71–3 3.9b **¶601666433**
SKHL VII 25 17 30 01.8–1.1 42.03N 142.85E 51–3 4.6b
MOS VII 25 17 30 01.8–2.8 42.03N 142.85E 51 4.3b
JMA VII 25 17 30 02.6–.10 42.19N 142.80E 63–1 3.5
IDC VII 25 17 30 03.2–3.5 42.19N 142.90E 76–17 3.8,3.6b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=156.8.
MOS Error ellipse: s-maj=13.8km s-min=8.9km az=81.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s273.00000°,δ77.00000°,λ-156.00000°. NP2: ϕ_s178.00000°,δ67.00000°,λ-14.00000°. Principal axes: T Plg7.0000°,Azm44.0000° ; N Plg63.0000°,Azm300.0000°; P Plg26.0000°,Azm137.0000°
IDC Error ellipse: s-maj=61.1km s-min=18.3km az=100.0.
ISC VII 27 01 00 23.5–.96 44.83N–.09 141.84E–.09 279 3.5b 20 1-62
ISCJB VII 27 01 00 22.8–.63 44.85N–.07 141.8E–.10 279 3.3b **¶601666504**
IDC VII 27 01 00 23.2–1.3 45.18N 141.98E 259–47 3.6,3.1
JMA VII 27 01 00 23.2–.30 44.99N 141.77E 268–3 2.8,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.3km az=140.2.
IDC Error ellipse: s-maj=112.8km s-min=49.3km az=161.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VII 28 10 29 01.3–1.1 44.40N–.10 141.20E–.08 261 19 0-68
ISCJB VII 28 10 29 00.2–.62 44.43N–.10 141.3E–.10 261 3.2b **¶601666563**
JMA VII 28 10 29 01.4–.40 44.36N 140.96E 245–4 2.9
IDC VII 28 10 29 02.8–4.2 44.18N 140.94E 230–44 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=9.7km az=27.7.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=193.1km s-min=26.6km az=16.0.
ISC VII 29 00 59 32.0–.79 41.56N–.04 141.91E–.04 67–7 4.0b 50 1-145
NIED VII 29 00 59 00 41.60N 141.90E 47 3.8W **¶601666599**
ISCJB VII 29 00 59 31.1–.36 41.56N–.03 141.90E–.05 74–3 3.8b
JMA VII 29 00 59 31.8–.10 41.58N 141.91E 67–2 3.7
IDC VII 29 00 59 33.4–1.9 41.64N 141.86E 77–15 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ79.00000°. NP2:ϕ_s23.00000°,δ66.00000°,λ95.00000°. $M_0$5.02000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=33.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ75.00000°,λ94.00000°. NP2: ϕ_s198.00000°,δ15.00000°,λ77.00000°. Principal axes: T Plg60.0000°,Azm307.0000° ; N Plg3.0000°,Azm211.0000°; P Plg30.0000°,Azm119.0000°
IDC Error ellipse: s-maj=20.1km s-min=13.5km az=114.0.
JMA VII 30 12 12 18.8 43.42N 142.55E 3–1 -0.3 ¶603649004
ISC VIII 01 13 58 20.9–1.3 41.37N–.04 142.35E–.04 30–11 37 1-61
JMA VIII 01 13 58 21.7–.10 41.31N 142.37E 38–3 3.2 **¶601765314**
IDC VIII 01 13 58 26.2–2.4 41.48N 141.82E 95–34 3.4,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=110.7km s-min=16.1km az=112.0.
ISC VIII 03 16 08 48.4–1.7 43.10N–.08 145.77E–.05 45–13 26 0-3
ISCJB VIII 03 16 08 48.0–.93 43.11N–.06 145.77E–.06 48–10 **¶603377241**
JMA VIII 03 16 08 48.3–.10 43.09N 145.75E 49–1 3.0
SKHL VIII 03 16 08 48.9–.80 43.12N 145.76E 39–3 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.9km az=149.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 03 21 14 53.2–.85 41.76N–.06 144.33E–.07 34 3.8b 24 1-85
NIED VIII 03 21 14 00 41.80N 144.40E 20 4.0W **¶601765418**
ISCJB VIII 03 21 14 50.7–.69 41.69N–.05 144.51E–.09 34 3.6b,3.0s
JMA VIII 03 21 14 52.2–.20 41.79N 144.39E 35–3 3.7,3.0s
IDC VIII 03 21 14 53.5–3.4 41.74N 144.25E 35–25 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ41.00000°,λ146.00000°. NP2:ϕ_s1.00000°,δ68.00000°,λ54.00000°. $M_0$9.87000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=175.3.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=17.2km az=83.0.
ISC VIII 05 09 00 17.6–1.7 42.96N–.09 145.48E–.06 33–6 22 0-3
ISCJB VIII 05 09 00 17.0–1.1 42.94N–.06 145.52E–.07 40–22 **¶603377247**
JMA VIII 05 09 00 16.5–.10 42.90N 145.54E 43–1 2.8
SKHL VIII 05 09 00 16.9–.70 42.93N 145.34E 45–2 4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.1km az=148.5.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 06 09 31 26.5–.45 45.59N–.03 142.90E–.04 316–4 4.4b 744 1-149
NIED VIII 06 09 31 00 45.60N 142.90E 380 4.5W **¶601520606**
BJI VIII 06 09 31 25.5 45.75N 142.87E 319 4.6b,4.6b
NEIC VIII 06 09 31 26.6–.27 45.70N 142.79E 311–3 4.4b,4.6b
IDC VIII 06 09 31 26.9–.46 45.72N 142.84E 314–5 4.5,3.9
ISCJB VIII 06 09 31 26.0–.12 45.63N–.02 142.85E–.03 320–1 4.3b,3.9
SKHL VIII 06 09 31 26.8–.60 45.59N 142.84E 327–21 4.9b,4.6s
JMA VIII 06 09 31 26.2–.20 45.57N 142.91E 325–2 4.4,4.6s
MOS VIII 06 09 31 26.2–.91 45.68N 142.80E 321 4.3b,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ21.00000°,λ151.00000°. NP2:ϕ_s157.00000°,δ80.00000°,λ71.00000°. $M_0$5.39000×10^{15}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=155.0.
IDC Error ellipse: s-maj=8.3km s-min=7.5km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.7km az=163.8.
JMA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=5.6km az=81.8.
ISC VIII 07 14 06 21.1–1.6 43.38N–.06 145.98E–.06 46–10 33 0-2
ISCJB VIII 07 14 06 20.3–.97 43.37N–.06 146.00E–.08 50–8 **¶603070821**
JMA VIII 07 14 06 20.6–.10 43.32N 145.98E 51–1 2.9
MOS VIII 07 14 06 21.0–2.3 43.30N 146.00E 46 4.2b
SKHL VIII 07 14 06 21.1–.70 43.38N 145.99E 45–2 4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.5km az=135.5.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=71.0km s-min=23.9km az=93.0.
ISC VIII 08 01 19 48.6–.41 41.96N–.03 142.35E–.03 70–3 4.4b 316 0-147
NIED VIII 08 01 19 00 42.00N 142.30E 65 4.4W **¶601531852**
BJI VIII 08 01 19 46.5 41.92N 142.45E 83 5.1b,4.7b
ISCJB VIII 08 01 19 47.2–.22 41.98N–.02 142.31E–.03 70–1 4.3b,4.7b
JMA VIII 08 01 19 47.1–.20 41.96N 142.34E 70–3 4.1,4.7b
MOS VIII 08 01 19 47.5–.96 42.03N 142.30E 73 4.8b,4.7b
NEIC VIII 08 01 19 49.2–.40 42.04N 142.28E 72–3 4.5b,4.7b

IDC VIII 08 01 19 49.1–.65 42.03N 142.28E 74–5 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ28.00000°,λ71.00000°. NP2:ϕ_s23.00000°,δ64.00000°,λ100.00000°. $M_0$4.12000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=144.9.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ65.00000°,λ96.00000°. NP2: ϕ_s194.00000°,δ25.00000°,λ77.00000°. Principal axes: T Plg69.0000°,Azm311.0000° ; N Plg6.0000°,Azm206.0000°; P Plg20.0000°,Azm114.0000°
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=161.0. Recorded [2 JMA] in south-central Hokkaido. Recorded [1 JMA] in Iwate, Honshu.
IDC Error ellipse: s-maj=10.5km s-min=7.4km az=111.0.
ISC VIII 09 04 30 47.3–.68 41.28N–.04 140.53E–.06 142–5 3.7b 42 0-73
ISCJB VIII 09 04 30 46.2–.33 41.28N–.04 140.54E–.07 146–3 3.6b **¶601765682**
JMA VIII 09 04 30 47.7 41.28N 140.55E 139–1 2.9
IDC VIII 09 04 30 47.1–1.5 41.33N 140.46E 137–12 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.1km az=177.1.
IDC Error ellipse: s-maj=16.6km s-min=11.9km az=141.0.
ISC VIII 09 11 43 27.2–.58 43.30N–.05 140.51E–.05 186–5 4.0b 99 0-74
NIED VIII 09 11 43 00 43.30N 140.50E 195 3.9W **¶606009113**
ISCJB VIII 09 11 43 26.4–.21 43.29N–.03 140.49E–.05 191–2 4.1b
JMA VIII 09 11 43 27.7–.10 43.30N 140.48E 181–1 3.7
IDC VIII 09 11 43 27.6–.66 43.32N 140.50E 186–6 4.2,4.0
NEIC VIII 09 11 43 27.7–.38 43.33N 140.50E 189–4 4.3b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ22.00000°,λ-171.00000°. NP2:ϕ_s61.00000°,δ86.00000°,λ-68.00000°. $M_0$8.20000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=140.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=9.3km az=154.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.9km az=123.0.
ISC VIII 09 13 50 29.2–1.6 43.18N–.07 145.78E–.05 42–11 25 0-3
ISCJB VIII 09 13 50 28.6–.91 43.17N–.06 145.79E–.06 45–10 **¶603377257**
JMA VIII 09 13 50 28.7–.10 43.15N 145.78E 47–1 2.5
SKHL VIII 09 13 50 29.1–.10 43.16N 145.74E 42–2 3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.2km az=150.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 12 12 26 35.9–1.1 42.82N–.07 145.00E–.04 47–8 4.0b 61 0-84
ISCJB VIII 12 12 26 34.8–.65 42.84N–.06 144.98E–.05 55–4 3.8b **¶601765774**
MOS VIII 12 12 26 34.6–1.1 42.78N 144.98E 61 4.2b
JMA VIII 12 12 26 35.9–.10 42.88N 144.93E 50–1 3.7
SKHL VIII 12 12 26 36.8–.20 42.88N 145.02E 70–8 4.6b
IDC VIII 12 12 26 38.4–2.6 42.80N 144.83E 76–19 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=4.3km az=154.5.
MOS Error ellipse: s-maj=15.4km s-min=8.8km az=76.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=18.8km az=13.0.
JMA VIII 12 16 27 53.0–.30 45.11N 141.91E 284–3 2.6 ¶606010999
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VIII 13 14 26 00.8–1.7 43.27N–.08 145.97E–.05 43–11 23 0-2
ISCJB VIII 13 14 26 00.2–.92 43.27N–.06 145.99E–.06 46–9 **¶603377267**
JMA VIII 13 14 26 00.7–.10 43.22N 145.93E 46–1 2.9
SKHL VIII 13 14 26 01.0–.60 43.28N 145.91E 46–2 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.7km az=148.8.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 14 02 07 58.5–1.6 42.52N–.07 144.46E–.04 75–11 46 1-8
ISCJB VIII 14 02 07 58.3–.78 42.54N–.06 144.46E–.05 76–7 **¶603070825**
JMA VIII 14 02 07 58.9–.10 42.56N 144.44E 76–1 3.3
MOS VIII 14 02 07 59.0–1.3 42.70N 144.10E 48 4.4b
SKHL VIII 14 02 07 59.0–.50 42.72N 144.11E 32–2 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.3km az=153.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=99.9km s-min=21.2km az=52.4.
ISC VIII 15 04 12 39.3–.43 41.08N–.04 140.17E–.04 156–3 4.4b 401 0-146
NIED VIII 15 04 12 00 41.10N 140.20E 150 4.3W **¶601564136**
BJI VIII 15 04 12 36.6 41.00N 140.22E 153 4.7b,4.6b
MOS VIII 15 04 12 38.5–.79 41.16N 140.04E 152 4.6b,4.6b
ISCJB VIII 15 04 12 38.4–.17 41.08N–.02 140.12E–.03 156–1 4.4b,4.6b
JMA VIII 15 04 12 39.5–.10 41.05N 140.20E 154–1 4.1,4.6b
IDC VIII 15 04 12 40.3–1.2 41.02N 140.08E 164–11 4.5,4.1
NEIC VIII 15 04 12 40.8–.38 41.04N 140.05E 166–3 4.4b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ32.00000°,λ-119.00000°. NP2:ϕ_s23.00000°,δ63.00000°,λ-73.00000°. $M_0$3.09000×10^{15}
MOS Error ellipse: s-maj=6.6km s-min=4.8km az=102.5.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=44.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ71.00000°,λ-61.00000°. NP2: ϕ_s150.00000°,δ34.00000°,λ-146.00000°. Principal axes: T Plg21.0000°,Azm99.0000° ; N Plg28.0000°,Azm201.0000°; P Plg54.0000°,Azm337.0000°
IDC Error ellipse: s-maj=10.9km s-min=9.1km az=140.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=155.0. Recorded [1 JMA] in Aomori, Honshu.
ISC VIII 17 07 24 36.2–.38 41.20N–.03 142.06E–.03 54–3 4.9b,4.3s 956 1-153
NIED VIII 17 07 24 00 41.20N 142.00E 53 5.0W,4.3s **¶601565577**
MOS VIII 17 07 24 35.2–.87 41.27N 141.96E 54 5.2b,4.3s
BJI VIII 17 07 24 35.6 41.12N 142.07E 75 5.1b,4.9b
GCMT VIII 17 07 24 36.8–.20 41.26N–.02 142.13E–.02 56–1 5.0W,4.9b
ISCJB VIII 17 07 24 36.3–.22 41.21N–.02 141.98E–.02 65–1 4.7b,4.9b
JMA VIII 17 07 24 36.6 41.20N 142.04E 58–1 4.9,4.9b
IDC VIII 17 07 24 38.0–.56 41.21N 142.01E 71–4 4.7,4.5
NEIC VIII 17 07 24 38.8–.28 41.20N 141.95E 74–2 4.8b,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ22.00000°,λ50.00000°. NP2:ϕ_s28.00000°,δ73.00000°,λ105.00000°. $M_0$3.22000×10^{16}
MOS Error ellipse: s-maj=5.6km s-min=3.9km az=100.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c73; s82,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.18 $M_{\theta\theta}$-0.25±.13; $M_{\phi\phi}$-3.70±.12; $M_{r\theta}$1.52±.10; $M_{\theta\phi}$-1.08±.10; $M_{\phi r}$1.89±.10; Best double couple: NP1:ϕ_s27.00000°,δ61.00000°,λ101.00000°. NP2:ϕ_s185.00000°,δ31.00000°,λ71.00000°. Principal axes: T 4.7130,Plg72.0000° ,Azm324.0000°; N -0.1050,Plg10.0000°,Azm202.0000°; P -4.6080,Plg15.0000° ,Azm109.0000° $M_0$4.66000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=150.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ79.00000°,λ92.00000°. NP2:ϕ_s198.00000°,δ11.00000°,λ78.00000°. Principal axes: T Plg56.0000°,Azm303.0000°; N Plg2.0000°,Azm210.0000°; P Plg34.0000° ,Azm118.0000°
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=112.0.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=154.0. Felt at Hachinohe, Honshu. Recorded [3 JMA] in southern Hokkaido.
ISC VIII 19 11 03 42.7–1.9 43.18N–.08 145.34E–.05 102–11 29 0-3
ISCJB VIII 19 11 03 42.0–1.0 43.18N–.06 145.34E–.06 104–8 **¶603377282**
SKHL VIII 19 11 03 41.7–.60 43.21N 145.29E 112–3 4.8s,3.9b
JMA VIII 19 11 03 42.5–.10 43.20N 145.34E 103–1 2.6,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.9km az=152.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 19 19 07 29.2–.89 43.16N–.08 145.15E–.05 125–6 3.3b 40 0-84
IDC VIII 19 19 07 23.7–6.4 42.65N 145.67E 103–35 3.6,3.4 **¶601766160**
ISCJB VIII 19 19 07 29.4–.62 43.20N–.07 145.12E–.06 125–3 3.3b,3.4
SKHL VIII 19 19 07 30.0–.30 42.73N 145.25E 66–3 4.3b,3.4
JMA VIII 19 19 07 31.1–.10 43.26N 145.07E 117–1 3.1,3.4
ISC Event type ke.

IDC Error ellipse: s-maj=99.3km s-min=26.4km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.0km az=153.2.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 19 21 09 24.9–1.2 44.80N–.09 143.27E–.09 261–8 3.1b 29 1-43
ISCJB VIII 19 21 09 24.4–.71 44.76N–.08 143.3E–.10 266–6 3.1b **¶601766165**
JMA VIII 19 21 09 24.9–.40 44.91N 143.20E 258–4 3.1
IDC VIII 19 21 09 24.9–3.3 45.01N 143.30E 251–65 3.6,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=11.5km az=35.2.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=217.0km s-min=64.1km az=175.0.
ISC VIII 21 11 08 36.1–.93 41.38N–.04 140.38E–.07 146–6 3.2b 32 0-88
ISCJB VIII 21 11 08 35.0–.50 41.37N–.04 140.40E–.08 151–3 3.1b **¶601766249**
IDC VIII 21 11 08 35.6–4.1 40.97N 141.66E 132–71 3.3,3.3
JMA VIII 21 11 08 36.4–.10 41.37N 140.37E 145–1 2.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.1km az=175.7.
IDC Error ellipse: s-maj=293.0km s-min=14.0km az=112.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 21 18 44 59.4–.58 42.93N–.06 145.50E–.04 44 3.8b 81 0-84
NIED VIII 21 18 44 00 42.90N 145.50E 44 4.1W **¶601766268**
MOS VIII 21 18 44 57.8–1.4 42.83N 145.49E 50 4.2b
ISCJB VIII 21 18 44 57.6–.41 42.86N–.03 145.52E–.05 44 3.8b
JMA VIII 21 18 44 58.8–.10 42.90N 145.48E 44–1 3.8
SKHL VIII 21 18 44 59.8–.50 42.96N 145.56E 63–7 4.3b
IDC VIII 21 18 44 59.6–2.3 42.88N 145.44E 44–21 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ34.00000°,λ101.00000°. NP2:ϕ_s35.00000°,δ56.00000°,λ83.00000°. $M_0$1.82000×10^{15}
MOS Error ellipse: s-maj=11.5km s-min=6.8km az=85.4.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=38.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=15.4km az=129.0.
ISC VIII 22 01 33 04.9–.28 42.35N–.03 143.04E–.03 57–2 5.0b,4.4s 1509 0-157
NIED VIII 22 01 33 00 42.30N 143.10E 59 5.2W,4.4s **¶601614635**
BJI VIII 22 01 33 01.9 42.29N 143.12E 58 5.2b,5.1b
MOS VIII 22 01 33 04.2–.90 42.37N 142.90E 61 5.4b,4.6s
ISCJB VIII 22 01 33 04.4–.21 42.38N–.02 142.92E–.02 63–1 5.0b,4.6s
JMA VIII 22 01 33 05.7–.10 42.35N 143.05E 53–1 5.2,4.6s
NEIC VIII 22 01 33 06.0–.32 42.40N 142.86E 62–3 5.0b,4.6s
IDC VIII 22 01 33 06.0–1.5 42.38N 142.97E 66–12 4.9,4.7
GCMT VIII 22 01 33 06.0–.10 42.27N–.01 143.06E–.01 59–0 5.2W,4.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ29.00000°,λ115.00000°. NP2:ϕ_s27.00000°,δ64.00000°,λ77.00000°. $M_0$7.49000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s24.00000°,δ61.00000°,λ64.00000°. NP2:ϕ_s250.00000°,δ38.00000°,λ128.00000°. Principal axes: T Plg64.0000°,Azm249.0000°; N Plg23.0000°,Azm38.0000°; P Plg12.0000° ,Azm133.0000°
NEIC Event type fe. Felt [IV] at Obihiro and [III] at Sapporo. Also felt at Kitami and Tomakomai. Felt at Aomori and Hachinohe, Honshu. Recorded [4 JMA] in south-central Hokkaido.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c145; s117,c204;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.28±.01; $M_{\phi\phi}$-0.38±.01; $M_{r\theta}$0.13±.01; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.42±.01; Best double couple: NP1:ϕ_s28.00000°,δ61.00000°,λ77.00000°. NP2:ϕ_s234.00000°,δ31.00000°,λ113.00000°. Principal axes: T 0.8150,Plg71.0000° ,Azm269.0000°; N 0.0270,Plg12.0000°,Azm35.0000°; P -0.8420,Plg15.0000°,Azm128.0000° $M_0$0.82900×10^{17}
ISC VIII 23 12 32 11.8–1.9 43.13N–.06 145.82E–.05 33–4 26 0-3
ISCJB VIII 23 12 32 11.8–.86 43.19N–.05 145.79E–.05 46–8 **¶603377291**
JMA VIII 23 12 32 12.0–.10 43.15N 145.77E 47–1 2.8
SKHL VIII 23 12 32 12.0–.00 43.17N 145.67E 51–7 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.8km az=148.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 24 00 20 58.6–.85 42.22N–.04 142.49E–.04 69–6 4.0b 38 0-70
ISCJB VIII 24 00 20 57.8–.48 42.21N–.04 142.49E–.05 77–3 3.8b **¶601766375**
JMA VIII 24 00 20 58.5–.20 42.27N 142.52E 72–2 3.3
IDC VIII 24 00 21 00.1–6.2 42.29N 142.45E 81–39 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=139.6.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=53.7km s-min=27.8km az=159.0.
ISC VIII 24 23 04 58.4–1.9 42.90N–.09 145.99E–.07 68–16 28 0-3
SKHL VIII 24 23 04 56.7–.30 42.70N 145.93E 40–1 4.2b **¶603377295**
ISCJB VIII 24 23 04 57.8–1.0 42.92N–.07 145.99E–.07 72–11 4.2b
JMA VIII 24 23 04 58.5–.10 42.89N 145.94E 71–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.3km az=147.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 25 14 16 16.8–.26 42.33N–.02 143.10E–.02 52–1 5.8b,5.4s 2458 0-160
NIED VIII 25 14 16 00 42.30N 143.10E 56 5.9W,5.4s **¶601626197**
BJI VIII 25 14 16 13.2 42.28N 143.11E 48 5.6b,5.6b
IDC VIII 25 14 16 15.1–1.1 42.39N 143.06E 37–8 5.8L,5.6
MOS VIII 25 14 16 15.7–.86 42.34N 142.99E 61 6.0b,5.6s
ISCJB VIII 25 14 16 15.8–.17 42.30N–.01 143.02E–.01 60–1 5.7b,5.6s
NEIC VIII 25 14 16 17.1–.38 42.42N 142.91E 54–3 5.9W,5.9b
JMA VIII 25 14 16 17.4–.10 42.33N 143.11E 49–1 6.1,5.9b
GCMT VIII 25 14 16 21.1–.10 42.39N–.01 142.86E–.01 50–0 5.9W,5.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ11.00000°,λ61.00000°. NP2:ϕ_s290.00000°,δ80.00000°,λ96.00000°. $M_0$7.31000×10^{17}
MOS Event type fe. Felt (III) at Malokuril'skoye, Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Obihiro, [IV] at Sapporo and [III] at Iwamizawa. Also felt [III] at Misawa, Honshu. Felt throughout southern Hokkaido and northern Honshu. Recorded [5L JMA] in south-central Hokkaido and [4 JMA] in Aomori, Honshu. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}7.01 $M_{\theta\theta}$-5.70 $M_{\phi\phi}$-1.31 $M_{r\theta}$-6.60 $M_{\phi r}$1.28 $M_{\phi r}$2.54 Best double couple: NP1: ϕ_s102.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s289.00000°,δ69.00000°,λ93.00000°. Principal axes: T 10.1000,Plg66.0000°,Azm204.0000°; N -1.0000,Plg2.0000°,Azm108.0000° ; P -9.1000,Plg24.0000°,Azm17.0000° $M_0$9.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s55.00000°,δ25.00000°,λ38.00000°. NP2: ϕ_s290.00000°,δ75.00000°,λ110.00000°. Principal axes: T Plg56.0000°,Azm225.0000° ; N Plg0.0000°,Azm0.0000°; P Plg27.0000°,Azm4.0000°
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000° ,δ68.00000°,λ76.00000°. NP2:ϕ_s246.00000°,δ26.00000°,λ121.00000°. Principal axes: T Plg64.0000°,Azm280.0000°; N Plg13.0000°,Azm38.0000°; P Plg22.0000°,Azm133.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c303; s142,c400; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.85±.06 $M_{\theta\theta}$-3.85±.05; $M_{\phi\phi}$-0.99±.05; $M_{r\theta}$-6.30±.08; $M_{\phi r}$-0.46±.04; $M_{\phi r}$2.79±.06; Best double couple: NP1:ϕ_s288.00000°,δ74.00000° ,λ100.00000°. NP2:ϕ_s75.00000°,δ18.00000°,λ59.00000°. Principal axes: T 8.8880,Plg59.0000°,Azm211.0000°; N -1.5910,Plg9.0000°,Azm105.0000° ; P -7.2930,Plg29.0000°,Azm10.0000° $M_0$8.09000×10^{17}
ISC VIII 25 14 22 38.6–1.1 42.41N–.04 143.07E–.03 33–3 29 0-4
MOS VIII 25 14 22 36.0–1.1 42.00N 143.30E 45 4.2b **¶603083365**
ISCJB VIII 25 14 22 37.1–.89 42.36N–.05 143.09E–.05 50–7 4.2b
JMA VIII 25 14 22 37.1–.10 42.35N 143.10E 48–1 3.3
ISC Event type ke.
MOS Error ellipse: s-maj=99.9km s-min=15.7km az=54.5.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=168.8.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 25 15 03 16.0–.86 42.25N–.06 143.04E–.05 52–7 3.6b 37 0-71
ISCJB VIII 25 15 03 15.2–.51 42.24N–.05 143.05E–.05 62–4 3.5b **¶606018770**
MOS VIII 25 15 03 15.5–.59 42.24N 143.06E 73 4.1b
JMA VIII 25 15 03 16.7–.10 42.30N 143.06E 48–1 3.2
IDC VIII 25 15 03 17.4–2.2 42.30N 142.93E 68–19 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=151.1.

MOS Error ellipse: s-maj=28.8km s-min=9.5km az=59.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s131.00000°,δ76.00000°,λ89.00000°. NP2: ϕ_s315.00000°,δ14.00000°,λ94.00000°. Principal axes: T Plg59.0000°,Azm40.0000° ; N Plg1.0000°,Azm131.0000°; P Plg31.0000°,Azm222.0000°
IDC Error ellipse: s-maj=32.9km s-min=15.4km az=98.0.

ISC	**VIII**	**25 16 54 52.2–.94**	**42.32N–.05**	**143.08E–.05**	**55–7**	**3.6b**	**26**	**0-65**	
ISCJB	VIII	25 16 54 51.3–.62	42.29N–.05	143.08E–.06	63–4	3.5b			**¶601766454**
JMA	VIII	25 16 54 52.9–.10	42.35N	143.08E	49–1	3.1			
IDC	VIII	25 16 54 53.7–2.9	42.30N	142.95E	73–20	3.4,3.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=43.2.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=41.6km s-min=19.4km az=101.0.

ISC	**VIII**	**25 20 21 21.1–.70**	**42.28N–.05**	**143.14E–.04**	**54–6**	**3.6b,3.3s**	**39**	**0-86**	
NIED	VIII	25 20 21 00	42.30N	143.10E	53	3.7W,3.3s			**¶606019025**
ISCJB	VIII	25 20 21 20.6–.44	42.24N–.04	143.14E–.05	63–3	3.6b,3.3s			
JMA	VIII	25 20 21 22.2–.10	42.32N	143.10E	49–1	3.5,3.3s			
IDC	VIII	25 20 21 23.4–2.0	42.32N	143.10E	72–16	3.7,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ32.00000°,λ-74.00000°. NP2:ϕ_s160.00000°,δ60.00000°,λ-100.00000°. $M_0$4.08000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=154.9.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=15.1km az=105.0.

ISC	**VIII**	**26 19 37 44.2–.87**	**42.81N–.06**	**145.04E–.04**	**87–6**	**4.0b**	**74**	**0-79**	
ISCJB	VIII	26 19 37 43.3–.48	42.82N–.05	145.03E–.04	94–3	3.9b			**¶601766512**
MOS	VIII	26 19 37 43.4–.91	42.77N	145.07E	102	4.1b			
JMA	VIII	26 19 37 44.8–.10	42.87N	145.01E	87–1	3.5			
IDC	VIII	26 19 37 44.9–3.0	42.84N	144.98E	95–19	4.0,3.7			
SKHL	VIII	26 19 37 45.3–.00	42.96N	144.99E	104–2	5.2s,4.7b			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.0km az=152.1.
MOS Error ellipse: s-maj=14.8km s-min=8.4km az=76.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=25.5km az=151.0.

ISC	**VIII**	**27 23 11 50.0–.76**	**42.29N–.05**	**143.08E–.04**	**56–6**	**3.7b**	**49**	**0-147**	
ISCJB	VIII	27 23 11 49.3–.40	42.27N–.04	143.07E–.04	64–3	3.7b			**¶601766589**
JMA	VIII	27 23 11 50.5–.10	42.34N	143.08E	51–1	3.6			
MOS	VIII	27 23 11 50.1–1.1	42.32N	142.99E	73	4.0b			
IDC	VIII	27 23 11 52.1–1.8	42.34N	142.97E	73–15	3.7,3.5			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=156.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=17.5km s-min=10.0km az=62.7.
IDC Error ellipse: s-maj=22.5km s-min=13.8km az=93.0.

ISC	**VIII**	**29 14 16 16.2–.63**	**45.83N–.07**	**142.62E–.08**	**333**	**3.3b**	**42**	**1-66**	
ISCJB	VIII	29 14 16 15.4–.37	45.93N–.04	142.60E–.09	333	3.2b			**¶601755565**
JMA	VIII	29 14 16 16.9–.30	45.81N	142.70E	335–3	2.9			
IDC	VIII	29 14 16 16.2–.59	45.96N	142.57E	332–9	3.8,3.2			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.8km az=175.6.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=13.1km az=142.0.

ISC	**VIII**	**29 23 33 32.5–.00**	**43.16N–.07**	**145.60E–.05**	**99–6**	**3.8b**	**65**	**0-70**	
MOS	VIII	29 23 33 30.3–.72	42.99N	145.64E	109	4.0b			**¶603083366**
ISCJB	VIII	29 23 33 31.8–.62	43.19N–.06	145.60E–.05	106–3	3.7b			
JMA	VIII	29 23 33 33.2–.10	43.19N	145.60E	96–1	3.6			
SKHL	VIII	29 23 33 33.5–.20	43.27N	145.60E	105–10	4.9s,4.6b			
IDC	VIII	29 23 33 35.2–4.0	45.56N	144.69E	0	3.8,3.8			

ISC Event type ke.
MOS Error ellipse: s-maj=21.7km s-min=12.1km az=91.4.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.7km az=154.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=79.6km s-min=25.2km az=121.0.

ISC	**VIII**	**31 16 32 19.3–.75**	**43.13N–.05**	**142.84E–.03**	**155–5**	**3.5b**	**54**	**0-86**	
ISCJB	VIII	31 16 32 18.6–.37	43.15N–.04	142.81E–.04	158–3	3.5b			**¶601755747**
MOS	VIII	31 16 32 18.8–.53	43.17N	142.82E	163	4.1b			
JMA	VIII	31 16 32 19.8–.10	43.15N	142.85E	153–1	3.2			
IDC	VIII	31 16 32 19.7–2.4	43.22N	142.81E	155–8	3.7,3.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.0km az=160.2.
MOS Error ellipse: s-maj=22.2km s-min=12.6km az=149.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=45.9km s-min=24.2km az=167.0.

JMA	**IX**	**02 10 35 18.5**	**41.25N**	**141.71E**	**20–1**	**3.6**			
NIED	IX	02 10 35 00	41.30N	141.70E	14	3.4W			**¶606023439**

JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s139.00000°,δ42.00000°,λ112.00000°. NP2:ϕ_s290.00000°,δ52.00000°,λ71.00000°. $M_0$1.26000×10^{14}

ISC	**IX**	**08 07 10 03.0–.66**	**45.63N–.07**	**143.27E–.08**	**331–6**	**3.4b**	**43**	**1-84**	
ISCJB	IX	08 07 10 02.4–.37	45.75N–.06	143.3E–.10	332–4	3.3b			**¶601863155**
IDC	IX	08 07 10 03.3–.60	45.89N	143.15E	324–7	3.7,3.3			
JMA	IX	08 07 10 03.2–.40	45.69N	143.25E	331–3	3.5,3.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=10.0km az=176.6.
IDC Error ellipse: s-maj=19.9km s-min=11.9km az=111.0.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.

ISC	**IX**	**08 17 21 21.9–1.5**	**41.47N–.05**	**142.94E–.05**	**13–9**	**4.0b,3.3s**	**41**	**1-74**	
NIED	IX	08 17 21 00	41.40N	143.00E	8	4.0W,3.3s			**¶601863183**
JMA	IX	08 17 21 20.7–.20	41.40N	142.98E	12–3	3.9,3.3s			
ISCJB	IX	08 17 21 21.3–.87	41.41N–.04	143.00E–.05	21–6	3.9b,3.3s			
IDC	IX	08 17 21 28.3–3.2	41.43N	142.80E	66–29	3.9,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s133.00000°,δ45.00000°,λ147.00000°. NP2:ϕ_s248.00000°,δ67.00000°,λ50.00000°. $M_0$1.16000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.6km az=43.8.
IDC Error ellipse: s-maj=22.2km s-min=16.3km az=83.0.

ISC	**IX**	**09 13 04 12.9–1.2**	**42.63N–.07**	**145.21E–.05**	**70–9**	**3.5b**	**47**	**1-65**	
NIED	IX	09 13 04 00	42.70N	145.20E	74	3.7W			**¶601863235**
IDC	IX	09 13 04 09.4–12	43.59N	145.02E	0	3.9,3.8			
ISCJB	IX	09 13 04 12.3–.72	42.64N–.06	145.21E–.06	77–6	3.6b,3.8			
JMA	IX	09 13 04 12.8–.10	42.63N	145.20E	73–1	3.8,3.8			
SKHL	IX	09 13 04 13.6–.80	42.54N	145.31E	54–4	4.6b,3.8			
MOS	IX	09 13 04 13.6–3.5	42.54N	145.31E	54	4.3b,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s121.00000°,δ20.00000°,λ-53.00000°. NP2:ϕ_s263.00000°,δ74.00000°,λ-102.00000°. $M_0$3.53000×10^{14}
IDC Error ellipse: s-maj=312.7km s-min=34.6km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.3km az=148.1.
JMA Felt [I] J1.
MOS Error ellipse: s-maj=33.4km s-min=11.9km az=70.3.

ISC	**IX**	**10 10 43 54.3–.64**	**41.80N–.05**	**143.77E–.04**	**32–3**	**4.6b,4.1s**	**267**	**1-94**	
NIED	IX	10 10 43 00	41.70N	143.90E	29	4.5W,4.1s			**¶601698291**
BJI	IX	10 10 43 51.5	41.70N	143.86E	31	4.7b,4.7b			
MOS	IX	10 10 43 52.8–.82	41.77N	143.68E	31	5.0b,4.7b			
ISCJB	IX	10 10 43 53.3–.46	41.70N–.03	143.76E–.03	39–3	4.5b,4.0s			
JMA	IX	10 10 43 54.0–.20	41.72N	143.86E	46–4	4.5,4.0s			
NEIC	IX	10 10 43 54.1–.19	41.69N	143.75E	30	4.6b,4.0s			
IDC	IX	10 10 43 56.1–2.6	41.65N	143.71E	51–23	4.3,4.2			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ16.00000°,λ16.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ106.00000°. $M_0$6.79000×10^{15}
MOS Error ellipse: s-maj=6.9km s-min=5.3km az=103.1.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=144.2.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=154.0. Recorded [1 JMA] in south-central Hokkaido.
IDC Error ellipse: s-maj=15.3km s-min=14.8km az=169.0.

ISC	**IX**	**12 03 20 06.1–1.4**	**41.72N–.05**	**144.21E–.05**	**28–8**	**4.6b,4.1s**	**175**	**1-86**	
NIED	IX	12 03 20 00	41.70N	144.30E	20	4.7W,4.1s			**¶601709221**
BJI	IX	12 03 20 02.2	41.67N	144.00E	10	4.8b,4.7b			
ISCJB	IX	12 03 20 04.8–.80	41.69N–.03	144.19E–.04	33–5	4.5b,4.2s			
MOS	IX	12 03 20 05.2–.89	41.70N	144.08E	34	5.0b,4.2s			
JMA	IX	12 03 20 05.0–.20	41.70N	144.26E	29–2	4.6,4.2s			
NEIC	IX	12 03 20 09.1–.60	41.69N	143.94E	50–5	4.8b,4.2s			
IDC	IX	12 03 20 09.3–2.4	41.70N	144.03E	57–21	4.3,4.2			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s263.00000°,δ39.00000°,λ142.00000°. NP2:ϕ_s24.00000°,δ67.00000°,λ57.00000°. $M_0$1.22000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.1km az=37.7.
MOS Error ellipse: s-maj=7.9km s-min=5.7km az=93.4.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=137.0. Recorded [1 JMA] in south-central Hokkaido.
IDC Error ellipse: s-maj=14.5km s-min=12.3km az=110.0.

ISC	**IX**	**12 13 06 20.9–1.2**	**42.64N–.08**	**145.31E–.04**	**37–2**	**3.9b**	**55**	**1-65**	
NIED	IX	12 13 06 00	42.70N	145.30E	35	3.6W			**¶601863414**
MOS	IX	12 13 06 18.7–1.1	42.53N	145.29E	40	4.1b			
ISCJB	IX	12 13 06 19.7–.85	42.64N–.06	145.30E–.05	45–6	3.8b			
JMA	IX	12 13 06 20.0–.10	42.67N	145.28E	49–2	3.9			
SKHL	IX	12 13 06 20.8–.60	42.65N	145.28E	37–2	4.5b			
IDC	IX	12 13 06 22.4–3.2	42.47N	145.23E	59–24	3.7,3.7L			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s153.00000°,δ35.00000°,λ4.00000°. NP2:ϕ_s61.00000°,δ88.00000°,λ125.00000°. $M_0$3.28000×10^{14}
MOS Error ellipse: s-maj=18.0km s-min=8.7km az=80.7.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.8km az=152.5.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=25.3km s-min=21.3km az=176.0.

ISC	**IX**	**15 22 57 50.0–1.7**	**43.08N–.07**	**145.04E–.04**	**74–12**		**38**	**0-2**	
ISCJB	IX	15 22 57 49.6–.93	43.08N–.05	145.04E–.05	75–8				**¶603302272**
JMA	IX	15 22 57 49.6–.10	43.07N	145.05E	77–1	3.2			
MOS	IX	15 22 57 50.5–2.4	42.93N	145.08E	48	4.2b			
SKHL	IX	15 22 57 50.5–.70	42.93N	145.08E	48–5	4.7b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.6km az=153.6.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=99.9km s-min=20.8km az=68.2.

ISC	**IX**	**17 02 13 44.5–1.5**	**42.47N–.05**	**142.02E–.04**	**87–10**		**37**	**0-4**	
ISCJB	IX	17 02 13 43.6–.74	42.47N–.04	142.03E–.05	92–7				**¶603302273**
JMA	IX	17 02 13 43.7–.10	42.50N	142.01E	95–2	2.9			
MOS	IX	17 02 13 44.7–.49	42.07N	142.35E	53	4.1b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=145.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=99.9km s-min=21.7km az=45.1.

ISC	**IX**	**17 03 08 42.7–1.2**	**42.41N–.05**	**144.71E–.04**	**16–7**	**4.2b,3.6s**	**105**	**1-85**	
NIED	IX	17 03 08 00	42.40N	144.70E	32	4.1W,3.6s			**¶601719514**
BJI	IX	17 03 08 42.8	42.42N	144.76E	39	5.0b,4.5b			
NEIC	IX	17 03 08 43.2–1.5	42.33N	144.97E	36–10	4.1b,4.5b			
MOS	IX	17 03 08 44.8–1.2	42.43N	144.61E	46	4.4b,4.5b			
JMA	IX	17 03 08 44.1	42.39N	144.69E	39–1	3.8,4.5b			
SKHL	IX	17 03 08 45.6–.70	42.35N	144.75E	55–5	4.6b,4.5b			
IDC	IX	17 03 08 50.4–3.0	42.61N	144.36E	72–25	3.9,3.8			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ23.00000°,λ99.00000°. NP2:ϕ_s29.00000°,δ67.00000°,λ86.00000°. $M_0$1.85000×10^{15}
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=10.2km az=105.0.
MOS Error ellipse: s-maj=10.6km s-min=6.8km az=80.0.
IDC Error ellipse: s-maj=23.7km s-min=18.4km az=164.0.

ISC	**IX**	**17 13 37 09.1–.95**	**41.13N–.04**	**142.35E–.06**	**67–9**	**3.7b**	**44**	**1-65**	
NIED	IX	17 13 37 00	41.10N	142.40E	53	3.7W			**¶601863710**
ISCJB	IX	17 13 37 08.0–.43	41.14N–.03	142.38E–.05	74–5	3.6b			
IDC	IX	17 13 37 08.9–1.8	41.11N	142.39E	66–18	3.9,3.7			
JMA	IX	17 13 37 09.0–.10	41.16N	142.38E	65–3	4.0,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ59.00000°,λ-9.00000°. NP2:ϕ_s42.00000°,δ82.00000°,λ-148.00000°. $M_0$3.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=31.2.
IDC Error ellipse: s-maj=24.3km s-min=12.6km az=98.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**IX**	**20 03 32 26.9–.66**	**42.17N–.05**	**143.00E–.04**	**63–6**	**4.0b**	**57**	**0-79**	
NIED	IX	20 03 32 00	42.30N	143.00E	56	3.9W			**¶601863863**
ISCJB	IX	20 03 32 26.3–.40	42.23N–.05	142.98E–.04	69–3	3.8b			
MOS	IX	20 03 32 27.0–.94	42.24N	142.95E	79	4.3b			
IDC	IX	20 03 32 27.9–1.9	42.26N	143.02E	70–16	3.9,3.7			
JMA	IX	20 03 32 28.2–.10	42.33N	142.98E	55–1	3.8,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ27.00000°,λ103.00000°. NP2:ϕ_s28.00000°,δ64.00000°,λ83.00000°. $M_0$7.98000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.2km az=152.9.
MOS Error ellipse: s-maj=13.1km s-min=7.7km az=68.2.
IDC Error ellipse: s-maj=21.0km s-min=15.1km az=107.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s49.00000°,δ56.00000°,λ105.00000°. NP2: ϕ_s203.00000°,δ37.00000°,λ69.00000°. Principal axes: T Plg74.0000°,Azm1.0000° ; N Plg13.0000°,Azm220.0000°; P Plg10.0000°,Azm128.0000°

ISC	**IX**	**20 07 20 39.9–.53**	**45.18N–.05**	**145.31E–.05**	**252–5**	**3.9b**	**122**	**1-80**	
NIED	IX	20 07 20 00	45.00N	145.40E	230	4.2W			**¶601863874**
BJI	IX	20 07 20 38.5	45.39N	145.41E	257	4.5b,4.4b			
MOS	IX	20 07 20 38.1–.94	45.61N	145.20E	227	3.9b,4.4b			
ISCJB	IX	20 07 20 39.0–.26	45.25N–.05	145.41E–.05	252–3	3.9b,4.4b			
SKHL	IX	20 07 20 40.4–.80	45.26N	145.48E	226–31	5.8s,4.8b			
JMA	IX	20 07 20 40.3–.40	45.03N	145.38E	260–4	4.2,4.8b			
IDC	IX	20 07 20 41.1–.77	45.35N	145.25E	252–8	4.2,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ60.00000°,λ-2.00000°. NP2:ϕ_s64.00000°,δ88.00000°,λ-150.00000°. $M_0$2.39000×10^{15}
MOS Error ellipse: s-maj=13.2km s-min=8.2km az=87.5.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=166.5.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=11.8km s-min=8.5km az=149.0.

ISC	**IX**	**21 12 11 07.7–.90**	**41.58N–.05**	**139.95E–.07**	**165–6**	**3.2b**	**31**	**0-61**	
ISCJB	IX	21 12 11 06.8–.58	41.58N–.04	139.94E–.09	169–4	3.2b			**¶601863950**
JMA	IX	21 12 11 08.0–.10	41.60N	139.94E	162–1	2.5			
IDC	IX	21 12 11 09.4–4.4	41.51N	139.82E	183–42	3.5,3.2			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.7km az=161.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=28.5km az=110.0.

ISC	**IX**	**22 09 36 59.8–.31**	**45.99N–.03**	**141.98E–.03**	**319–2**	**5.1b**	**1648**	**1-156**	
BJI	IX	22 09 36 58.5	46.08N	142.09E	322	5.1b,4.9b			**¶601737024**
ISCJB	IX	22 09 36 59.9–.12	46.04N–.02	141.93E–.02	326–1	5.0b,4.9b			
MOS	IX	22 09 36 59.7–.93	46.03N	141.95E	329	5.0b,4.9b			
NEIC	IX	22 09 37 00.3–.25	46.08N	141.92E	319–2	5.1b,4.9b			
IDC	IX	22 09 37 00.2–.39	46.10N	141.96E	320–4	5.3,4.7			
SKHL	IX	22 09 37 00.0–.80	45.93N	141.96E	335–19	5.9b,5.8s			
JMA	IX	22 09 37 00.0–.20	45.93N	142.15E	335–2	4.9,5.8s			
NIED	IX	22 09 37 00	45.90N	142.20E	380	5.2W,5.8s			
GCMT	IX	22 09 37 02.3–.40	45.99N–.04	141.78E–.06	328–3	5.2W,5.8s			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ47.00000°,λ160.00000°. NP2:ϕ_s138.00000°,δ76.00000°,λ44.00000°. $M_0$6.14000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s44,c56;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.96±.25 $M_{\theta\theta}$5.39±.35; $M_{\phi\phi}$-6.35±.35; $M_{r\theta}$3.00±.41; $M_{\theta\phi}$-0.45±.39; $M_{\phi r}$-3.24±.38; Best double couple: NP1: ϕ_s140.00000°,δ85.00000°,λ38.00000°. NP2:ϕ_s46.00000°,δ53.00000°,λ174.00000°. Principal axes: T 7.1790,Plg29.0000°,Azm10.0000°; N 0.4360,Plg52.0000°,Azm146.0000° ; P -7.6140,Plg22.0000°,Azm267.0000° $M_0$7.39600×10^{16}

ISC IX 23 22 39 05.7–.69 41.48N–.04 142.07E–.03 66–6 4.4b 165 1-79
NIED IX 23 22 39 00 41.50N 142.00E 50 4.0W **¶601864055**
MOS IX 23 22 39 04.4–.85 41.50N 142.09E 75 4.7b
ISCJB IX 23 22 39 04.3–.24 41.48N–.02 142.03E–.03 69–2 4.2b
JMA IX 23 22 39 04.8–.10 41.48N 142.01E 64–2 3.8
IDC IX 23 22 39 06.1–1.3 41.48N 142.04E 72–11 4.2,4.0
NEIC IX 23 22 39 06.6–.45 41.47N 142.04E 77–4 4.6b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ18.00000°,λ84.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ92.00000°. $M_0$1.24000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=7.3km az=88.1.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=44.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s18.00000°,δ75.00000°,λ93.00000°. NP2: ϕ_s188.00000°,δ15.00000°,λ80.00000°. Principal axes: T Plg60.0000°,Azm292.0000° ; N Plg3.0000°,Azm197.0000°; P Plg30.0000°,Azm106.0000°
IDC Error ellipse: s-maj=15.0km s-min=9.1km az=111.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=128.0.
ISC IX 27 07 23 55.7–1.1 41.8N–.10 144.6E–.10 25 3.9b 16 1-72
NIED IX 27 07 23 00 41.60N 144.70E 11 3.9W **¶601864264**
ISCJB IX 27 07 23 53.3–.96 41.6N–.10 144.7E–.10 25 3.8b,3.6s
JMA IX 27 07 23 53.7–.40 41.64N 144.73E 38–3 3.9,3.6s
IDC IX 27 07 23 57.6–4.7 41.65N 144.58E 41–40 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s248.00000°,δ46.00000°,λ141.00000°. NP2:ϕ_s7.00000°,δ63.00000°,λ51.00000°. $M_0$8.22000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=13.3km az=13.9.
JMA Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=25.3km az=119.0.
ISC IX 27 08 16 15.1–2.4 41.8N–.20 144.7E–.20 34 3.5b 11 1-66
NIED IX 27 08 16 00 41.60N 144.70E 11 3.7W **¶601864266**
JMA IX 27 08 16 11.9–.40 41.64N 144.74E 39–3 3.6
IDC IX 27 08 16 14.7–21 42.72N 144.61E 0 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ44.00000°,λ145.00000°. NP2:ϕ_s6.00000°,δ67.00000°,λ51.00000°. $M_0$3.86000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=462.7km s-min=83.9km az=157.0.
ISC X 02 03 17 09.9–.44 45.82N–.04 142.64E–.04 337–4 4.2b 322 1-151
NIED X 02 03 17 00 45.80N 142.80E 360 4.4W **¶601776155**
MOS X 02 03 17 09.3–.92 45.91N 142.58E 340 4.2b
IDC X 02 03 17 09.9–.45 45.93N 142.62E 334–5 4.4,3.8
JMA X 02 03 17 09.7–.20 45.80N 142.76E 344–2 4.5,3.8
ISCJB X 02 03 17 09.6–.14 45.87N–.02 142.60E–.03 339–1 4.1b,3.8
NEIC X 02 03 17 10.8–.17 45.89N 142.59E 339 4.2b,3.8
SKHL X 02 03 17 10.3–.40 45.91N 142.61E 343–21 4.9b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ37.00000°,λ175.00000°. NP2:ϕ_s198.00000°,δ87.00000°,λ53.00000°. $M_0$4.87000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=6.1km az=96.1.
IDC Error ellipse: s-maj=10.1km s-min=8.8km az=173.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.2km az=165.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.5km az=157.0.
ISC X 02 09 20 39.8–1.6 43.28N–.07 145.89E–.05 50–10 25 0-2
ISCJB X 02 09 20 39.4–.91 43.29N–.05 145.87E–.06 51–8 **¶603683375**
SKHL X 02 09 20 39.8–.60 43.23N 145.86E 42–6 4.3b
JMA X 02 09 20 40.2–.10 43.26N 145.83E 51–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.1km az=146.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 04 11 10 40.2–.82 42.52N–.04 142.28E–.04 121–6 3.6b 42 0-86
ISCJB X 04 11 10 39.3–.47 42.53N–.04 142.28E–.05 123–3 3.6b **¶601997031**
JMA X 04 11 10 39.6–.20 42.56N 142.29E 126–2 3.4
IDC X 04 11 10 40.7–1.9 42.62N 142.22E 118–12 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=140.9.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=30.0km s-min=19.7km az=125.0.
ISC X 08 13 31 31.4–1.4 41.07N–.04 142.93E–.05 15–9 3.4b 29 1-61
IDC X 08 13 31 29.1–1.4 41.06N 142.97E 0 3.5,3.3 **¶601997526**
JMA X 08 13 31 33.5–.20 41.09N 142.85E 19–3 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=27.4km az=118.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 11 22 52 27.9–.71 42.06N–.05 142.56E–.04 64–6 3.7b 51 0-86
NIED X 11 22 52 00 42.00N 142.60E 59 3.8W **¶601874147**
ISCJB X 11 22 52 26.8–.39 42.04N–.04 142.55E–.04 70–3 3.6b
JMA X 11 22 52 27.2–.10 42.03N 142.58E 64–2 3.6
IDC X 11 22 52 30.1–1.6 42.16N 142.55E 84–11 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ20.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ70.00000°,λ90.00000°. $M_0$6.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=153.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=10.8km az=122.0.
ISC X 14 12 14 41.8–.47 42.65N–.03 142.61E–.03 47–4 4.4b 289 0-150
NIED X 14 12 14 00 42.70N 142.60E 32 4.3W **¶601833203**
BJI X 14 12 14 39.1 42.70N 142.50E 35 4.9b,4.4b
ISCJB X 14 12 14 39.8–.27 42.64N–.02 142.53E–.03 42–2 4.4b,3.8s
JMA X 14 12 14 40.5–.10 42.68N 142.65E 31–1 4.2,3.8s
MOS X 14 12 14 40.6–1.0 42.70N 142.52E 51 4.6b,3.8s
NEIC X 14 12 14 42.6–.43 42.73N 142.45E 50–4 4.4b,3.8s
IDC X 14 12 14 42.4–1.6 42.71N 142.56E 56–12 4.2,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s169.00000°,δ51.00000°,λ97.00000°. $M_0$2.78000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=154.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s157.00000°,δ59.00000°,λ85.00000°. NP2:ϕ_s346.00000°,δ31.00000°,λ98.00000°. Principal axes: T Plg75.0000°,Azm54.0000°; N Plg4.0000°,Azm159.0000°; P Plg14.0000° ,Azm250.0000°
MOS Error ellipse: s-maj=8.6km s-min=5.4km az=75.7.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=145.0. Recorded [2 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=122.0.
ISC X 14 21 28 24.8–.86 41.47N–.04 142.06E–.04 61–8 3.5b 44 1-76
NIED X 14 21 28 00 41.50N 142.00E 59 3.8W **¶601998261**
ISCJB X 14 21 28 23.7–.40 41.47N–.03 142.05E–.05 67–4 3.5b
JMA X 14 21 28 24.1–.10 41.48N 142.05E 63–2 3.7
IDC X 14 21 28 25.9–2.0 41.49N 142.01E 73–16 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ23.00000°,λ82.00000°. NP2:ϕ_s56.00000°,δ67.00000°,λ93.00000°. $M_0$4.78000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=31.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s47.00000°,δ86.00000°,λ90.00000°. NP2: ϕ_s220.00000°,δ4.00000°,λ83.00000°. Principal axes: T Plg49.0000°,Azm318.0000° ; N Plg0.0000°,Azm47.0000°; P Plg41.0000°,Azm137.0000°
IDC Error ellipse: s-maj=19.3km s-min=14.0km az=126.0.
ISC X 23 09 14 17.5–1.2 41.17N–.04 142.51E–.04 14–8 3.7b 35 1-61
ISCJB X 23 09 14 18.9–.70 41.19N–.03 142.51E–.05 20–5 3.6b **¶601999351**
JMA X 23 09 14 18.6–.20 41.16N 142.55E 24–4 3.8
IDC X 23 09 14 23.4–2.5 41.16N 142.40E 63–24 3.8L,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=42.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=34.5km s-min=15.1km az=109.0.
ISC X 24 12 55 42.5–1.6 44.70N–.07 144.21E–.03 9–11 23 1-2
NIED X 24 12 55 00 44.70N 144.20E 5 3.4W **¶603694423**
JMA X 24 12 55 43.8–.20 44.69N 144.16E 10–3 3.7
SKHL X 24 12 55 44.0–.30 44.90N 144.08E 53–2 4.1b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ45.00000°,λ80.00000°. NP2:ϕ_s45.00000°,δ46.00000°,λ100.00000°. $M_0$1.48000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 25 09 26 23.9–.95 43.14N–.06 145.65E–.04 51–7 3.7b,2.9s 55 0-84
NIED X 25 09 26 00 43.10N 145.60E 59 4.0W,2.9s **¶601999588**
MOS X 25 09 26 22.9–1.2 43.12N 145.60E 61 4.0b,2.9s
ISCJB X 25 09 26 23.2–.59 43.15N–.05 145.62E–.05 58–4 3.7b,3.0s
JMA X 25 09 26 24.4–.10 43.16N 145.58E 52–1 4.1,3.0s
SKHL X 25 09 26 24.2–.20 43.16N 145.61E 67–5 4.5b,3.0s
IDC X 25 09 26 26.2–2.8 43.06N 145.66E 78–21 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ33.00000°,λ81.00000°. NP2:ϕ_s39.00000°,δ58.00000°,λ96.00000°. $M_0$1.09000×10^{15}
MOS Error ellipse: s-maj=15.3km s-min=10.6km az=86.9.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.6km az=151.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=19.9km az=164.0.
ISC X 25 16 19 58.5–1.4 43.55N–.05 145.96E–.04 59–8 36 0-4
NIED X 25 16 19 00 43.50N 146.00E 77 3.5W **¶603302295**
ISCJB X 25 16 19 57.5–.84 43.55N–.05 145.96E–.05 67–7 3.5W
JMA X 25 16 19 57.4–.20 43.51N 145.96E 72–1 3.5
MOS X 25 16 19 57.0–1.3 43.49N 146.05E 64 4.5b
SKHL X 25 16 19 57.0–.80 43.49N 145.99E 71–1 4.2b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ21.00000°,λ26.00000°. NP2:ϕ_s193.00000°,δ81.00000°,λ109.00000°. $M_0$2.23000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.0km az=148.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=54.9km s-min=26.7km az=90.5.
ISC X 26 10 52 53.0–.59 42.66N–.04 143.22E–.04 110–5 4.4b 121 0-148
NIED X 26 10 52 00 42.70N 143.20E 101 3.9W **¶601852890**
MOS X 26 10 52 52.5–.98 42.70N 143.25E 129 4.3b
ISCJB X 26 10 52 52.1–.29 42.67N–.04 143.22E–.04 120–2 4.2b
IDC X 26 10 52 53.0–1.5 42.66N 143.30E 118–9 4.0,3.7
JMA X 26 10 52 54.3–.10 42.70N 143.21E 104–1 3.7,3.7
NEIC X 26 10 52 58.7–.96 43.30N 142.87E 128–8 4.5b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ15.00000°,λ55.00000°. NP2:ϕ_s18.00000°,δ78.00000°,λ99.00000°. $M_0$8.00000×10^{14}
MOS Error ellipse: s-maj=9.9km s-min=7.4km az=85.6.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=156.3.
IDC Error ellipse: s-maj=16.7km s-min=12.2km az=139.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ72.00000°,λ89.00000°. NP2: ϕ_s197.00000°,δ18.00000°,λ93.00000°. Principal axes: T Plg63.0000°,Azm283.0000° ; N Plg1.0000°,Azm15.0000°; P Plg27.0000°,Azm105.0000°
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.5km az=146.0.
ISC X 28 11 38 04.2–.45 45.82N–.03 143.12E–.04 324–4 4.1b 371 1-84
NIED X 28 11 38 00 45.80N 143.10E 320 4.4W **¶601857773**
IDC X 28 11 38 04.0–.49 45.96N 143.08E 319–5 4.3,3.8
MOS X 28 11 38 03.4–.94 45.88N 143.07E 326 4.1b,3.8
ISCJB X 28 11 38 03.9–.14 45.83N–.02 143.08E–.03 329–1 4.0b,3.8
SKHL X 28 11 38 04.9–.50 45.77N 143.12E 329–17 4.8b,4.6s
NEIC X 28 11 38 04.7–.34 45.96N 143.02E 321–4 4.1b,4.6s
JMA X 28 11 38 04.1–.20 45.79N 143.14E 331–2 4.1,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s111.00000°,δ20.00000°,λ-168.00000°. NP2:ϕ_s9.00000°,δ86.00000°,λ-70.00000°. $M_0$4.04000×10^{15}
IDC Error ellipse: s-maj=8.8km s-min=7.1km az=151.0.
MOS Error ellipse: s-maj=7.7km s-min=5.8km az=107.1.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=157.1.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.2km az=153.0.
JMA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
ISC XI 02 09 55 15.9–1.6 43.41N–.06 145.71E–.05 69–10 23 0-2
JMA XI 02 09 55 14.8–.10 43.39N 145.74E 76–1 2.6 **¶603699262**
ISCJB XI 02 09 55 15.0–.93 43.41N–.06 145.72E–.06 74–7 2.6
SKHL XI 02 09 55 15.2–.60 43.29N 145.67E 61–3 4.0b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.1km az=145.2.
ISC XI 06 23 08 10.3–1.7 43.15N–.07 145.99E–.06 46–13 27 0-2
ISCJB XI 06 23 08 09.7–.93 43.14N–.06 145.99E–.06 50–10 **¶603701279**
JMA XI 06 23 08 09.9–.10 43.11N 145.98E 50–1 3.7
SKHL XI 06 23 08 10.0–1.3 43.16N 145.86E 56–3 4.2b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.0km az=143.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XI 07 01 17 39.6–.75 41.40N–.03 141.31E–.04 91–5 4.1b 64 0-93
ISCJB XI 07 01 17 38.7–.30 41.39N–.03 141.29E–.05 100–2 4.0b **¶602051305**
NEIC XI 07 01 17 39.9–1.0 41.34N 141.26E 98–8 4.2b
JMA XI 07 01 17 39.9 41.42N 141.34E 88–1 3.1
IDC XI 07 01 17 40.7–2.8 41.35N 141.19E 104–24 4.1,4.0s
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.3km az=18.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.7km az=169.0.
JMA Event type fe.
IDC Error ellipse: s-maj=24.0km s-min=20.9km az=149.0.
ISC XI 08 01 12 11.4–.72 44.01N–.06 142.17E–.06 220–5 3.5b 39 0-68
ISCJB XI 08 01 12 10.5–.41 44.01N–.05 142.19E–.07 223–3 3.5b **¶602389006**
JMA XI 08 01 12 11.8–.20 44.04N 142.12E 216–2 3.4
IDC XI 08 01 12 11.2–.53 44.04N 142.25E 215–3 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.5km az=26.8.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=14.6km az=115.0.
ISC XI 12 19 43 02.8–.66 41.73N–.05 144.34E–.06 25 4.1b,3.5s 53 1-85
IDC XI 12 19 42 59.6–.84 41.77N 144.28E 0 4.0,3.9 **¶602006313**
ISCJB XI 12 19 43 00.7–.46 41.62N–.04 144.42E–.07 25 4.0b,3.5s
NIED XI 12 19 43 00 41.70N 144.30E 23 4.1W,3.5s
JMA XI 12 19 43 03.3–.20 41.74N 144.33E 28–2 3.9,3.5s
NEIC XI 12 19 43 04.4–.47 41.63N 144.28E 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=16.7km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.6km az=177.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s90.00000°,δ57.00000°,λ168.00000°. NP2:ϕ_s187.00000°,δ80.00000°,λ33.00000°. $M_0$1.73000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.4km az=100.0.
ISC XI 16 18 24 46.0–1.4 41.03N–.03 143.08E–.05 13–8 4.7b 116 1-92
IDC XI 16 18 24 44.4–.78 41.17N 143.16E 0 5.4s,5.4 **¶601992288**
JMA XI 16 18 24 49.3–.20 41.06N 142.83E 16–3 4.3,5.4
ISCJB XI 16 18 24 50.2–.45 41.08N–.03 142.93E–.04 59–3 5.5s,4.6b
NEIC XI 16 18 24 50.8–.74 41.14N 143.04E 50–7 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=17.0km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.3km az=34.2.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.7km az=131.0. Recorded [1 JMA] in Aomori and Iwate, Honshu.
ISC XI 16 19 36 38.6–1.7 41.11N–.05 142.80E–.06 25–13 3.3b 34 1-43
JMA XI 16 19 36 37.3–.20 41.08N 142.83E 12–3 3.6 **¶602389526**
ISCJB XI 16 19 36 38.0–.88 41.08N–.04 142.86E–.06 25–6 3.4b
IDC XI 16 19 36 41.0–3.4 41.42N 141.82E 0 3.5b,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.9km az=35.5.
IDC Error ellipse: s-maj=63.0km s-min=26.4km az=115.0.
ISC XI 17 15 06 32.5–2.0 43.98N–.08 145.89E–.06 148–12 30 0-3
ISCJB XI 17 15 06 32.5–.97 43.97N–.07 145.88E–.08 144–6 **¶603705273**

JMA XI 17 15 06 32.9–.30 43.95N 145.87E 148–2 2.8
SKHL XI 17 15 06 32.0–1.1 44.17N 145.77E 149–10 5.0s,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.6km az=143.4.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 19 01 07 55.3–.77 43.08N–.05 145.85E–.04 61–6 4.1b 113 0-84
NIED XI 19 01 07 00 43.10N 145.80E 68 3.9W **¶601992808**
MOS XI 19 01 07 53.7–.88 42.98N 145.94E 72 4.5b
ISCJB XI 19 01 07 54.1–.45 43.03N–.04 145.90E–.04 71–3 4.0b
NEIC XI 19 01 07 55.5–.62 43.03N 145.91E 67–5 4.3b
SKHL XI 19 01 07 55.7–.70 43.10N 145.79E 81–4 6.1s,5.1b
JMA XI 19 01 07 55.8–.10 43.06N 145.82E 64–1 4.1,5.1b
IDC XI 19 01 07 56.0–2.1 43.04N 145.85E 71–18 4.2,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ23.00000°,λ-2.00000°. NP2:ϕ_s255.00000°,δ89.00000°,λ-113.00000°. $M_0$8.47000×10^{14}
MOS Event type fe. Error ellipse: s-maj=11.6km s-min=6.3km az=81.7. Felt (II) at Yuzhno-Kuril'sk, Malokuril'skoye. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=141.9.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.2km az=136.0. Recorded [2 JMA] in eastern Hokkaido.
SKHL Event type fe. Felt (II) at Yushno-Kuril'sk, Lagunnoe, Malokuril'skoe. Felt (II) at Golovnino, Mendeleevo, Gorjachy Pljash.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=13.7km az=165.0.
ISC XI 19 01 37 34.2–.60 42.75N–.04 144.01E–.03 98–4 4.1b 128 0-146
NIED XI 19 01 37 00 42.80N 144.00E 101 4.0W **¶601992814**
MOS XI 19 01 37 33.7–1.6 42.74N 144.06E 110 4.4b
ISCJB XI 19 01 37 33.6–.29 42.74N–.03 144.00E–.03 104–2 4.1b
IDC XI 19 01 37 34.4–1.6 42.79N 144.06E 102–11 4.0,3.9
SKHL XI 19 01 37 34.7–1.2 42.72N 144.01E 100–9 5.1s,4.5b
JMA XI 19 01 37 34.4–.10 42.77N 143.94E 103–1 4.1,4.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s113.00000°,δ26.00000°,λ-47.00000°. NP2:ϕ_s247.00000°,δ71.00000°,λ-109.00000°. $M_0$1.09000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=81.7.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.3km az=158.3.
IDC Error ellipse: s-maj=15.4km s-min=12.9km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s251.00000°,δ74.00000°,λ-99.00000°. NP2: ϕ_s102.00000°,δ19.00000°,λ-60.00000°. Principal axes: T Plg28.0000°,Azm349.0000° ; N Plg9.0000°,Azm254.0000°; P Plg60.0000°,Azm148.0000°
ISC XI 19 14 12 30.5–.97 41.44N–.03 142.11E–.05 55–9 3.7b 42 1-71
ISCJB XI 19 14 12 29.7–.44 41.43N–.03 142.11E–.05 66–4 3.5b **¶602389672**
JMA XI 19 14 12 30.1–.10 41.44N 142.12E 60–2 3.3
IDC XI 19 14 12 32.1–1.8 41.47N 142.37E 82–17 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=25.8.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=13.4km az=94.0.
ISC XI 22 13 27 31.4–1.6 43.41N–.06 145.71E–.05 64–9 28 0-2
ISCJB XI 22 13 27 30.6–.85 43.41N–.05 145.71E–.06 69–7 **¶603707217**
JMA XI 22 13 27 31.0–.10 43.39N 145.70E 69–1 2.9
SKHL XI 22 13 27 31.0–1.2 43.30N 145.69E 57–1 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.7km az=144.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XI 23 15 37 23.6–1.0 42.36N–.05 144.39E–.04 47–10 3.8b 85 1-78
NIED XI 23 15 37 00 42.40N 144.40E 38 4.0W **¶602389896**
JMA XI 23 15 37 22.7–.10 42.37N 144.39E 58–2 4.2
ISCJB XI 23 15 37 22.8–.47 42.35N–.04 144.38E–.04 55–4 3.7b,3.6s
MOS XI 23 15 37 22.4–.79 42.32N 144.32E 57 4.0b,3.6s
SKHL XI 23 15 37 24.8–.10 42.41N 144.26E 71–2 4.9b,3.6s
IDC XI 23 15 37 26.6–2.2 42.27N 144.12E 68–18 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ26.00000°,λ-8.00000°. NP2:ϕ_s244.00000°,δ87.00000°,λ-116.00000°. $M_0$1.14000×10^{15}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.5km az=147.2.
MOS Error ellipse: s-maj=14.5km s-min=8.0km az=75.0.
IDC Error ellipse: s-maj=19.5km s-min=14.3km az=95.0.
ISC XI 24 04 17 34.7–1.6 41.05N–.03 143.04E–.05 9–10 3.6b 34 1-86
NIED XI 24 04 17 00 41.10N 143.00E 35 3.8W **¶602389925**
IDC XI 24 04 17 31.3–1.0 41.14N 143.94E 0 3.7,3.6
JMA XI 24 04 17 37.5–.10 41.05N 142.98E 31 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ21.00000°,λ23.00000°. NP2:ϕ_s54.00000°,δ82.00000°,λ110.00000°. $M_0$5.90000×10^{14}
IDC Error ellipse: s-maj=33.1km s-min=18.7km az=88.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XI 28 10 23 04.7–1.6 41.52N–.04 143.05E–.05 17–11 4.2b 46 1-65
NIED XI 28 10 23 00 41.60N 143.00E 29 3.8W **¶602390110**
IDC XI 28 10 23 02.8–1.2 41.44N 143.57E 0 3.9,3.8L
NEIC XI 28 10 23 05.5–1.8 41.55N 143.39E 22–14 4.3b,3.8L
JMA XI 28 10 23 06.4–.20 41.62N 143.00E 29–2 3.9,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ67.00000°,λ0.00000°. NP2:ϕ_s179.00000°,δ90.00000°,λ157.00000°. $M_0$6.18000×10^{14}
IDC Error ellipse: s-maj=42.0km s-min=21.3km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=6.9km az=116.0. Recorded [2 JMA] in southern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XI 29 00 03 50.7–.71 42.20N–.06 139.44E–.08 202–6 3.5b 41 0-145
ISCJB XI 29 00 03 49.8–.36 42.20N–.05 139.46E–.08 207–3 3.4b **¶602390142**
IDC XI 29 00 03 50.5–.99 42.18N 139.47E 200–9 3.8,3.5
JMA XI 29 00 03 51.2–.20 42.20N 139.45E 199–2 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.6km az=37.2.
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=125.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC XI 29 05 52 49.1–2.6 43.58N–.08 145.77E–.07 125–15 26 0-2
ISCJB XI 29 05 52 49.6–1.1 43.57N–.07 145.74E–.08 119–7 **¶603709586**
JMA XI 29 05 52 49.9–.10 43.59N 145.75E 119–1 3.1
SKHL XI 29 05 52 50.3–.60 43.01N 145.69E 45–5 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.9km az=147.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC XI 29 12 53 06.4–1.3 41.77N–.04 142.71E–.04 13–8 3.7b 55 0-86
NIED XI 29 12 53 00 41.70N 142.80E 26 4.0W **¶602063206**
JMA XI 29 12 53 08.2–.10 41.72N 142.80E 35–2 3.9
NEIC XI 29 12 53 09.5–.41 41.75N 142.74E 35 4.4b
IDC XI 29 12 53 11.9–2.2 41.72N 142.69E 55–20 4.1L,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ39.00000°,λ-93.00000°. NP2:ϕ_s260.00000°,δ52.00000°,λ-88.00000°. $M_0$1.17000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.2km az=121.0.
IDC Error ellipse: s-maj=20.0km s-min=12.4km az=115.0.
ISC XII 01 08 45 15.0–.91 41.23N–.03 142.14E–.04 57–8 3.9b 54 1-79
ISCJB XII 01 08 45 14.1–.40 41.23N–.03 142.13E–.05 65–3 3.7b **¶602390271**
JMA XII 01 08 45 14.6 41.24N 142.15E 53–2 3.5
IDC XII 01 08 45 16.7–1.9 41.23N 142.11E 75–15 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.5km az=30.6.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=12.8km az=119.0.
ISC XII 03 17 48 28.1–.77 43.19N–.05 145.97E–.04 52–6 4.2b 153 0-149
NIED XII 03 17 48 00 43.10N 145.90E 47 4.2W **¶601996001**
ISCJB XII 03 17 48 26.7–.48 43.16N–.03 145.98E–.05 53–3 4.2b,3.2s
MOS XII 03 17 48 26.0–1.0 43.09N 146.01E 53 4.5b,3.2s
JMA XII 03 17 48 27.2–.10 43.14N 145.94E 47–1 4.3,3.2s
SKHL XII 03 17 48 27.4–.20 43.15N 146.08E 62–4 4.6b,3.2s
NEIC XII 03 17 48 29.1–.52 43.04N 145.83E 66–5 4.7b,3.2s
IDC XII 03 17 48 30.6–2.4 43.23N 145.92E 73–20 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ53.00000°,λ37.00000°. NP2:ϕ_s45.00000°,δ61.00000°,λ136.00000°. $M_0$2.27000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.8km az=138.0.
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=94.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.9km az=147.0. Recorded [2 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=18.6km s-min=12.5km az=162.0.
ISC XII 04 21 52 08.3–.49 41.91N–.04 142.36E–.03 67–4 4.4b 188 0-93
BJI XII 04 21 52 01.8 41.84N 142.81E 56 5.0b,4.5b **¶601996054**
MOS XII 04 21 52 06.7–.81 41.91N 142.34E 71 4.6b,4.5b
ISCJB XII 04 21 52 06.9–.27 41.92N–.03 142.34E–.03 71–2 4.2b,4.5b
JMA XII 04 21 52 07.0–.20 41.92N 142.33E 69–3 4.4,4.5b
NEIC XII 04 21 52 08.3–.41 41.95N 142.35E 71–3 4.4b,4.5b
IDC XII 04 21 52 09.5–1.7 41.99N 142.29E 80–12 4.1,4.0
ISC Event type fe.
MOS Error ellipse: s-maj=7.8km s-min=6.3km az=77.6.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=146.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s37.00000°,δ66.00000°,λ102.00000°. NP2: ϕ_s190.00000°,δ27.00000°,λ66.00000°. Principal axes: T Plg67.0000°,Azm328.0000° ; N Plg11.0000°,Azm212.0000°; P Plg20.0000°,Azm118.0000°
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=157.0. Felt at Biei.
IDC Error ellipse: s-maj=16.6km s-min=10.1km az=135.0.
ISC XII 05 00 05 01.4–1.6 41.02N–.04 142.80E–.06 37–2 3.7b 37 1-66
IDC XII 05 00 04 54.8–9.9 41.24N 143.43E 0 3.8,3.7 **¶602390473**
ISCJB XII 05 00 04 58.1–1.3 41.03N–.03 142.78E–.06 10–9 4.0b,3.7
JMA XII 05 00 04 58.0–.20 41.02N 142.78E 8–3 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=239.8km s-min=72.9km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.8km az=32.9.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 06 01 31 51.5–2.1 43.0N–.10 145.73E–.07 41–17 21 0-2
ISCJB XII 06 01 31 51.4–1.2 42.98N–.07 145.71E–.08 46–9 **¶603711909**
SKHL XII 06 01 31 51.3–.70 42.94N 145.66E 55–5 3.9b
JMA XII 06 01 31 51.4–.10 42.93N 145.70E 43–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=6.2km az=145.5.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 07 11 34 28.7–2.7 42.95N–.08 145.47E–.05 36–2 37 0-3
ISCJB XII 07 11 34 27.9–1.0 42.94N–.06 145.49E–.07 46–9 **¶603712354**
MOS XII 07 11 34 27.5–.91 42.85N 145.53E 39 4.2b
SKHL XII 07 11 34 27.6–.70 42.87N 145.56E 34–3 4.5b
JMA XII 07 11 34 28.1–.10 42.93N 145.48E 46–1 3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.8km az=147.8.
MOS Error ellipse: s-maj=73.0km s-min=15.1km az=77.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 07 22 16 38.1–.93 41.93N–.04 142.31E–.05 64–8 3.6b 39 0-71
ISCJB XII 07 22 16 37.4–.47 41.93N–.04 142.29E–.06 75–4 3.5b **¶602390750**
JMA XII 07 22 16 37.8–.30 41.94N 142.33E 69–4 3.3
IDC XII 07 22 16 40.9–2.0 42.02N 142.31E 89–14 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=40.4.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=15.3km az=110.0.
ISC XII 08 10 04 19.5–2.0 42.8N–.10 143.81E–.07 111–13 39 0-2
ISCJB XII 08 10 04 19.6–.93 42.87N–.05 143.72E–.05 109–7 **¶603712792**
JMA XII 08 10 04 19.5–.10 42.88N 143.69E 112–1 3.2
MOS XII 08 10 04 21.3–.93 42.36N 144.30E 77 4.2b
SKHL XII 08 10 04 21.3–.60 42.26N 144.47E 73–1 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.9km az=157.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=99.9km s-min=20.7km az=61.6.
ISC XII 09 05 11 04.3–.81 43.23N–.06 145.03E–.04 105–6 3.5b 55 0-71
IDC XII 09 05 10 44.6–1.8 41.68N 145.52E 0 3.8,3.6 **¶602390881**
MOS XII 09 05 11 02.3–.82 43.06N 145.08E 115 4.0b,3.6
ISCJB XII 09 05 11 03.7–.52 43.24N–.05 145.05E–.04 109–3 3.5b,3.6
SKHL XII 09 05 11 03.7–.00 43.25N 145.10E 118–2 5.2s,4.5b
JMA XII 09 05 11 04.8–.10 43.26N 145.03E 103–1 3.4,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=20.5km az=165.0.
MOS Error ellipse: s-maj=23.8km s-min=11.9km az=65.5.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.4km az=158.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 09 14 38 44.5–.80 42.32N–.05 143.11E–.05 57–7 3.9b 55 0-86
IDC XII 09 14 38 35.9–1.7 42.47N 143.53E 0 3.8,3.8b **¶602046968**
ISCJB XII 09 14 38 43.8–.34 42.29N–.04 143.09E–.05 65–3 3.9b,3.8b
MOS XII 09 14 38 43.4–1.1 42.29N 143.03E 67 4.1b,3.8b
NEIC XII 09 14 38 44.5–.86 42.34N 143.26E 62–6 4.8b,3.8b
JMA XII 09 14 38 45.4–.10 42.36N 143.10E 49–1 3.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=22.9km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=143.3.
MOS Error ellipse: s-maj=16.8km s-min=9.1km az=61.1.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.0km az=92.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 09 15 12 38.3–.90 42.14N–.05 141.36E–.06 110–7 3.5b 27 0-62
ISCJB XII 09 15 12 37.6–.51 42.13N–.04 141.37E–.08 116–5 3.4b **¶602390908**
JMA XII 09 15 12 38.6–.10 42.15N 141.31E 108–2 2.7
IDC XII 09 15 12 38.4–1.7 42.19N 141.52E 118–23 3.8s,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.3km az=25.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=34.1km s-min=18.5km az=89.0.
ISC XII 10 18 57 36.7–1.6 42.42N–.06 143.75E–.04 71–10 51 0-4
ISCJB XII 10 18 57 36.3–.75 42.45N–.05 143.76E–.05 72–6 **¶603713668**
JMA XII 10 18 57 36.7–.10 42.44N 143.70E 73–1 3.2
MOS XII 10 18 57 38.7–1.3 42.20N 144.26E 49 4.3b
SKHL XII 10 18 57 38.7–.40 42.32N 144.06E 49–5 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=152.6.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=99.9km s-min=15.2km az=62.5.
ISC XII 12 09 00 25.3–1.8 43.00N–.09 145.44E–.05 45–11 26 0-3
ISCJB XII 12 09 00 25.2–1.0 43.03N–.07 145.44E–.06 48–7 **¶603714170**
JMA XII 12 09 00 25.2–.10 42.98N 145.43E 47–1 3.4
SKHL XII 12 09 00 28.7–.70 43.13N 145.53E 39–4 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=4.7km az=150.9.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 12 13 09 37.2–.71 42.62N–.05 141.35E–.04 124–5 3.7b 57 0-69
ISCJB XII 12 13 09 36.4–.34 42.63N–.04 141.36E–.05 129–2 3.7b **¶602090178**
IDC XII 12 13 09 37.4–1.3 42.65N 141.40E 126–11 3.8,3.6
MOS XII 12 13 09 37.0–1.0 42.62N 141.49E 143 4.2b,3.6
JMA XII 12 13 09 37.5–.10 42.63N 141.34E 119–1 3.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=140.2.
IDC Error ellipse: s-maj=22.1km s-min=14.4km az=112.0.
MOS Error ellipse: s-maj=19.2km s-min=10.1km az=91.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 12 15 04 46.3–.80 41.17N–.03 141.17E–.06 100–5 4.0b 38 0-65
ISCJB XII 12 15 04 45.5–.44 41.17N–.03 141.17E–.07 107–3 3.9b **¶602391192**
IDC XII 12 15 04 45.4–2.9 41.12N 141.15E 93–23 3.9,3.7
JMA XII 12 15 04 46.5–.10 41.19N 141.20E 98–1 3.1,3.7
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=2.5.
IDC Error ellipse: s-maj=27.0km s-min=18.3km az=147.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 12 21 15 35.0–.71 42.29N–.05 143.06E–.04 59–6 3.7b 40 0-76
ISCJB XII 12 21 15 33.8–.44 42.24N–.05 143.06E–.05 68–3 3.6b **¶602090181**
MOS XII 12 21 15 34.7–1.1 42.27N 143.13E 81 4.1b
JMA XII 12 21 15 35.6–.10 42.32N 143.02E 52–1 3.6
IDC XII 12 21 15 36.3–2.0 42.33N 143.04E 72–15 3.7,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=6.2km az=164.6.
MOS Error ellipse: s-maj=21.3km s-min=13.4km az=82.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s60.00000°,δ57.00000°,λ128.00000°. NP2: ϕ_s184.00000°,δ49.00000°,λ46.00000°. Principal axes: T Plg58.0000°,Azm26.0000° ; N Plg32.0000°,Azm217.0000°; P Plg5.0000°,Azm124.0000°
IDC Error ellipse: s-maj=20.7km s-min=12.8km az=114.0.
ISC XII 14 04 33 28.7–.73 41.94N–.04 140.54E–.05 147–5 3.7b 47 0-66
ISCJB XII 14 04 33 27.8–.37 41.96N–.04 140.53E–.05 148–3 3.7b **¶602391300**
IDC XII 14 04 33 29.8–1.6 42.10N 140.29E 142–16 4.4s,4.4
JMA XII 14 04 33 29.1–.10 41.96N 140.56E 144–1 3.2,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.8km az=41.4.
IDC Error ellipse: s-maj=27.7km s-min=15.7km az=145.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 15 11 34 22.6–.56 44.40N–.06 141.46E–.06 244–5 3.7b 59 0-86
NIED XII 15 11 34 00 44.40N 141.50E 290 4.2W **¶602391383**
ISCJB XII 15 11 34 22.0–.28 44.42N–.04 141.47E–.06 249–3 3.7b
JMA XII 15 11 34 22.4–.20 44.44N 141.47E 249–2 4.1
IDC XII 15 11 34 22.6–.50 44.47N 141.46E 239–5 4.1,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ31.00000°,λ-22.00000°. NP2:ϕ_s300.00000°,δ79.00000°,λ-119.00000°. $M_0$1.97000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.8km az=44.1.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=138.0.
ISC XII 17 06 30 29.5–.61 45.08N–.07 141.87E–.05 35 3.6b 26 0-85
NIED XII 17 06 30 00 45.00N 141.80E 17 3.9W **¶602391525**
IDC XII 17 06 30 24.7–.58 45.19N 142.02E 0 3.8,3.7
ISCJB XII 17 06 30 28.0–.43 45.16N–.07 141.86E–.06 33 3.5b,3.1s
JMA XII 17 06 30 29.3–.10 45.05N 141.83E 29–2 3.7,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ41.00000°,λ116.00000°. NP2:ϕ_s177.00000°,δ54.00000°,λ69.00000°. $M_0$7.32000×10^{14}
IDC Error ellipse: s-maj=14.4km s-min=9.9km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.7km az=13.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 20 10 54 19.7–.81 41.90N–.05 144.15E–.04 20–6 4.5b,3.8s 144 1-148
NIED XII 20 10 54 00 42.00N 144.20E 26 4.4W,3.8s **¶602055848**
MOS XII 20 10 54 19.3–1.1 41.86N 144.09E 33 4.5b,3.8s
JMA XII 20 10 54 20.8–.10 41.93N 144.06E 57–3 4.4,3.8s
IDC XII 20 10 54 23.2–2.3 41.95N 144.00E 52–20 4.2,4.1
BJI XII 20 10 54 25.1 42.17N 142.59E 10 4.8b,4.5b
NEIC XII 20 10 54 26.9–.28 42.19N 142.49E 10 4.6b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s141.00000°,δ36.00000°,λ-56.00000°. NP2:ϕ_s281.00000°,δ61.00000°,λ-112.00000°. $M_0$4.23000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=88.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=11.3km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.7km az=160.0. Recorded [1 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.
ISC XII 21 22 01 19.4–.64 41.54N–.04 142.08E–.04 59–6 3.8b 55 1-76
NIED XII 21 22 01 00 41.50N 142.10E 53 3.8W **¶602391827**
ISCJB XII 21 22 01 19.0–.37 41.54N–.03 142.08E–.05 70–3 3.7b
IDC XII 21 22 01 18.6–.83 41.49N 142.18E 55–6 3.8,3.7
JMA XII 21 22 01 19.6–.10 41.55N 142.07E 65–2 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ23.00000°,λ63.00000°. NP2:ϕ_s22.00000°,δ70.00000°,λ101.00000°. $M_0$4.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=37.5.
IDC Error ellipse: s-maj=19.2km s-min=15.1km az=74.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 22 06 20 23.0–.39 41.34N–.03 142.65E–.03 41–2 4.6b,3.8s 392 1-147
NIED XII 22 06 20 00 41.30N 142.70E 44 4.5W,3.8s **¶602056582**
BJI XII 22 06 20 17.3 41.25N 143.14E 35 4.9b,4.7b
JMA XII 22 06 20 22.8–.10 41.31N 142.67E 36–4 4.4,4.7b
MOS XII 22 06 20 22.6–.87 41.42N 142.48E 42 4.9b,4.7b
ISCJB XII 22 06 20 23.8–.29 41.38N–.02 142.55E–.03 53–2 4.6b,3.8s
IDC XII 22 06 20 24.7–.54 41.27N 142.56E 56–4 4.4,4.3
NEIC XII 22 06 20 27.0–.39 41.37N 142.43E 68–3 4.6b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ23.00000°,λ64.00000°. NP2:ϕ_s25.00000°,δ70.00000°,λ100.00000°. $M_0$5.35000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=5.1km az=92.8.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=139.1.
IDC Error ellipse: s-maj=11.8km s-min=8.6km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=150.0. Recorded [1 JMA] in southwestern Hokkaido and in Aomori, Honshu.
ISC XII 24 12 45 44.7–3.7 41.14N–.04 145.83E–.05 30–29 3.5b 44 2-79
IDC XII 24 12 45 40.4–.91 40.97N 146.02E 0 4.1,4.0s **¶602323390**
ISCJB XII 24 12 45 42.5–1.6 41.13N–.04 145.90E–.05 28–13 4.0s,3.6b
JMA XII 24 12 45 42.5–.20 41.17N 146.08E 55–4 3.7,3.6b
NEIC XII 24 12 45 45.5–.41 41.04N 145.93E 35 4.3b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=18.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=150.2.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=123.0.
ISC XII 26 10 46 51.0–.76 44.90N–.08 145.07E–.07 282–7 3.3b 41 1-63
ISCJB XII 26 10 46 50.1–.49 44.87N–.08 145.03E–.09 287–6 3.2b **¶602380635**
IDC XII 26 10 46 51.0–1.2 45.38N 144.99E 250–18 3.7,3.2
JMA XII 26 10 46 51.9–.30 45.04N 145.01E 257 3.3,3.2
SKHL XII 26 10 46 51.1–.90 44.34N 146.42E 320–10 5.1s,4.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=8.4km az=148.9.
IDC Error ellipse: s-maj=42.1km s-min=17.6km az=162.0.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISC XII 27 18 10 29.6–1.9 42.83N–.10 145.60E–.06 44–16 26 0-3
ISCJB XII 27 18 10 29.5–1.0 42.88N–.07 145.59E–.07 50–9 **¶603719734**
JMA XII 27 18 10 30.3–.10 42.89N 145.53E 47–1 2.7
SKHL XII 27 18 10 31.4–.80 42.89N 145.72E 56–8 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.2km az=147.6.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA XII 29 07 20 05.1–.10 41.82N 141.38E 87–1 1.8
¶606078951
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 30 14 24 11.0–.80 43.80N–.07 143.26E–.07 187–6 3.0b 28 0-68
ISCJB XII 30 14 24 09.9–.47 43.80N–.06 143.30E–.09 192–3 3.0b **¶602380895**
IDC XII 30 14 24 10.9–.70 43.87N 143.15E 182–6 3.3,3.0
JMA XII 30 14 24 11.1–.20 43.85N 143.19E 188–2 2.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=10.1km az=18.3.
IDC Error ellipse: s-maj=33.8km s-min=14.7km az=111.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(225) Off southeast coast of Hokkaido.

ISC VII 08 12 07 18.9–1.8 42.90N–.05 146.87E–.05 11–10 4.1b 54 1-66
IDC VII 08 12 07 15.2–2.0 43.03N 147.41E 0 3.8,3.8 **¶601664287**
MOS VII 08 12 07 22.5–.80 42.90N 146.83E 57 4.1b,3.8
SKHL VII 08 12 07 23.8–.70 42.91N 146.80E 45–5 4.6b,3.8
JMA VII 08 12 07 23.9–.10 42.96N 146.74E 60–2 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=28.7km az=64.0.
MOS Error ellipse: s-maj=27.6km s-min=11.3km az=113.5.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VII 13 18 40 36.2–1.5 42.93N–.06 146.26E–.04 31–10 3.5b 55 1-89
NIED VII 13 18 40 00 42.90N 146.30E 29 3.7W **¶601664539**
IDC VII 13 18 40 31.1–1.0 42.91N 146.51E 0 3.7,3.5
JMA VII 13 18 40 35.9–.10 42.86N 146.32E 49–2 3.6,3.5
MOS VII 13 18 40 35.0–1.2 42.81N 146.32E 43 4.4b,3.5
ISCJB VII 13 18 40 36.6–.86 42.94N–.06 146.29E–.07 51–7 3.8b,3.7s
SKHL VII 13 18 40 37.0–.80 42.90N 146.24E 37–3 4.9b,3.7s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s118.00000°,δ48.00000°,λ-55.00000°. NP2:ϕ_s252.00000°,δ52.00000°,λ-122.00000°. $M_0$4.20000×10^{14}
IDC Error ellipse: s-maj=24.1km s-min=20.2km az=13.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=17.7km s-min=8.5km az=97.2.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.6km az=142.2.
ISC VIII 08 15 44 13.4–3.0 42.98N–.09 149.0E–.10 50 31 2-6
JMA VIII 08 15 44 15.5–.70 43.56N 148.96E 30 3.3 **¶603377253**
SKHL VIII 08 15 44 16.8–.60 43.13N 148.82E 73–9 3.9b
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=5.6km az=-1.0.
ISC VIII 12 20 40 41.7–2.8 42.84N–.08 148.8E–.10 35 38 2-7
JMA VIII 12 20 40 42.8–.80 43.23N 148.84E 30 3.7 **¶603377264**
SKHL VIII 12 20 40 43.6–.60 42.95N 148.72E 46–3 4.1b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=6.5km az=-1.0.
ISC VIII 18 21 39 34.9–1.7 42.85N–.08 146.13E–.06 42–15 3.4b 47 1-65
IDC VIII 18 21 39 27.0–4.4 42.77N 146.43E 0 3.5,3.5b **¶601766112**
JMA VIII 18 21 39 32.2–.20 42.74N 146.21E 45–3 3.2,3.5b
MOS VIII 18 21 39 32.0–.90 42.69N 146.02E 38 4.0b,3.5b
ISCJB VIII 18 21 39 33.4–1.0 42.81N–.06 146.16E–.07 51–8 3.4b,3.5b
SKHL VIII 18 21 39 33.5–.80 42.76N 145.95E 42–2 4.3b,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=129.5km s-min=49.0km az=8.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=24.6km s-min=10.3km az=96.6.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.6km az=140.6.
ISC VIII 19 00 46 23.3–2.3 42.8N–.10 146.14E–.08 44–37 20 1-3
JMA VIII 19 00 46 20.8–.10 42.75N 146.23E 54–2 3.1 **¶603377281**
SKHL VIII 19 00 46 21.5–.80 42.73N 146.11E 33–1 4.2b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC IX 09 12 57 35.2–3.0 42.85N–.10 147.1E–.10 25–16 23 1-3
JMA IX 09 12 57 33.0–.40 42.78N 147.23E 38 3.0 **¶603514392**
SKHL IX 09 12 57 35.3–.70 42.77N 147.12E 30 4.3b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0.
ISC XI 03 22 35 54.9–.73 42.99N–.06 146.91E–.06 38–2 4.0b,3.3s 89 1-83
NIED XI 03 22 35 00 43.00N 146.80E 59 3.9W,3.3s **¶602031594**
MOS XI 03 22 35 54.3–.92 42.95N 146.84E 50 4.3b,3.3s
ISCJB XI 03 22 35 54.9–.66 43.02N–.04 146.85E–.05 57–5 3.9b,3.3s
JMA XI 03 22 35 55.8–.10 43.04N 146.80E 61–2 4.0,3.3s
SKHL XI 03 22 35 56.3–.60 43.07N 146.86E 66–5 4.6b,3.3s
IDC XI 03 22 35 57.9–2.9 42.99N 146.91E 72–26 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ51.00000°,λ127.00000°. NP2:ϕ_s21.00000°,δ52.00000°,λ54.00000°. $M_0$7.34000×10^{14}
MOS Error ellipse: s-maj=11.5km s-min=8.1km az=97.7.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=136.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=16.8km az=101.0.
ISC XII 04 04 31 16.9–1.9 42.95N–.07 146.23E–.06 28–11 3.5b 40 1-65
JMA XII 04 04 31 16.7–.10 42.89N 146.24E 42–2 3.5 **¶602390431**
SKHL XII 04 04 31 17.1–.60 42.85N 146.23E 48–7 4.2b
MOS XII 04 04 31 18.8–.64 43.16N 146.25E 62 4.1b
IDC XII 04 04 31 28.4–11 43.85N 145.66E 79–51 3.8,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=35.0km s-min=16.6km az=117.1.
IDC Error ellipse: s-maj=161.8km s-min=72.2km az=141.0.

(226) Near west coast of eastern Honshu.

JMA VII 15 21 04 53.5–.10 37.12N 136.30E 11–2 1.4
¶603640997
ISC VII 23 21 54 21.5–1.2 36.2N–.10 136.9E–.10 300 16 0-60
ISCJB VII 23 21 54 20.6–.61 36.2N–.10 137.0E–.20 300 3.3b **¶601666340**
IDC VII 23 21 54 21.3–6.9 35.26N 136.18E 200–133 3.5,3.3
JMA VII 23 21 54 22.4–.10 36.20N 136.94E 282–2 2.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=9.0km az=29.7.
IDC Error ellipse: s-maj=184.7km s-min=75.2km az=45.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 18 21 34 41.1–.71 37.23N–.05 138.71E–.07 189–5 3.5b 41 0-73
ISCJB VIII 18 21 34 40.3–.37 37.24N–.04 138.69E–.07 192–3 3.3b **¶601766110**
IDC VIII 18 21 34 40.6–.67 37.20N 138.76E 184–6 3.8,3.3
JMA VIII 18 21 34 42.0–.20 37.25N 138.73E 184–2 3.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.8km az=7.5.
IDC Error ellipse: s-maj=18.7km s-min=11.9km az=74.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 15 16 17 31.3–.89 37.10N–.05 138.63E–.04 16 17 0-61
NIED IX 15 16 17 00 37.00N 138.60E 5 3.5W **¶601863588**
IDC IX 15 16 17 28.6–1.8 37.13N 138.68E 0 4.0,3.9
ISCJB IX 15 16 17 31.2–.61 37.06N–.05 138.58E–.05 16 4.0b,3.9
JMA IX 15 16 17 31.8 37.05N 138.62E 11–1 3.4,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ75.00000°. NP2:ϕ_s36.00000°,δ63.00000°,λ98.00000°. $M_0$2.37000×10^{14}
IDC Error ellipse: s-maj=14.9km s-min=12.2km az=21.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.1km az=148.4.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s357.00000°,δ88.00000°,λ80.00000°. NP2:ϕ_s255.00000°,δ10.00000°,λ168.00000°. Principal axes: T Plg46.0000°,Azm257.0000°; N Plg10.0000°,Azm357.0000°; P Plg42.0000° ,Azm96.0000°
ISC X 01 01 28 58.8–1.8 40.10N–.05 139.06E–.07 27–14 24 0-60
JMA X 01 01 28 57.9–.10 40.10N 139.01E 30–1 3.9 **¶601996342**
IDC X 01 01 29 05.8–3.5 39.76N 138.87E 57–36 3.5,3.3
ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=22.6km az=92.0.
IDC X 17 04 23 05.2–329 37.93N 136.43E 0
¶601998620
IDC Error ellipse: s-maj=147.2km s-min=80.7km az=132.0.
ISC X 17 15 01 40.7–.00 37.04N–.03 138.68E–.04 12–7 3.9b,3.5s 72 0-82
NIED X 17 15 01 00 37.00N 138.70E 5 4.2W,3.5s **¶606046584**
IDC X 17 15 01 39.0–.60 37.09N 138.64E 0 4.0,4.0L
ISCJB X 17 15 01 40.4–.37 37.04N–.02 138.66E–.04 23–3 3.9b,3.5s
JMA X 17 15 01 40.7 37.03N 138.71E 7–2 4.2,3.5s
NEIC X 17 15 01 42.0–1.1 36.95N 138.67E 23–8 4.5b,3.5s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ35.00000°,λ83.00000°. NP2:ϕ_s54.00000°,δ55.00000°,λ95.00000°. $M_0$2.34000×10^{15}
IDC Error ellipse: s-maj=19.3km s-min=7.7km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.6km az=31.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s227.00000°,δ54.00000°,λ85.00000°. NP2:ϕ_s56.00000°,δ36.00000°,λ97.00000°. Principal axes: T Plg80.0000°,Azm117.0000°; N Plg4.0000°,Azm230.0000°; P Plg9.0000° ,Azm321.0000°

NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=6.7km az=95.0. Felt at Nagaoka. Recorded [4 JMA] in Niigata.
ISC X 17 16 16 43.1–1.2 37.04N–.04 138.72E–.04 9–11 22 0-57
IDC X 17 16 16 41.9–1.3 37.06N 138.72E 0 3.9,3.7 **¶601838137**
ISCJB X 17 16 16 42.8–.89 37.05N–.03 138.65E–.05 15–7 3.6b,3.7
JMA X 17 16 16 43.6 37.03N 138.70E 8–2 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=10.0km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.5km az=33.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ75.00000°,λ127.00000°. NP2:ϕ_s184.00000°,δ40.00000°,λ24.00000°. Principal axes: T Plg47.0000°,Azm24.0000°; N Plg36.0000°,Azm244.0000°; P Plg21.0000°,Azm138.0000°
JMA X 17 22 27 39.0 37.03N 138.71E 6–2 1.9
¶606046841
ISC XI 07 23 52 07.9–1.7 39.63N–.03 139.08E–.05 14–10 3.8b 42 0-90
IDC XI 07 23 52 05.7–.95 39.63N 138.97E 0 4.0,3.7 **¶602389002**
ISCJB XI 07 23 52 07.4–.85 39.67N–.03 139.00E–.04 26–5 3.8b,3.7
JMA XI 07 23 52 07.6–.10 39.68N 139.02E 23–1 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=17.0km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.3km az=27.0.
JMA Event type fe.
JMA XI 16 06 57 58.7 37.16N 136.56E 10–1 3.6
¶606060651
JMA Event type fe.
ISC XI 19 16 22 48.3–.91 37.58N–.04 138.59E–.04 15–6 18 0-57
NIED XI 19 16 22 00 37.60N 138.60E 8 3.5W **¶602389682**
IDC XI 19 16 22 46.5–1.5 37.57N 138.68E 0 4.0,3.7
ISCJB XI 19 16 22 47.9–.54 37.61N–.04 138.58E–.04 22–6 3.8b,3.1s
JMA XI 19 16 22 48.2 37.62N 138.58E 17–1 3.5,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ34.00000°,λ90.00000°. NP2:ϕ_s38.00000°,δ56.00000°,λ90.00000°. $M_0$2.11000×10^{14}
IDC Error ellipse: s-maj=22.6km s-min=13.8km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.7km az=139.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ63.00000°,λ-59.00000°. NP2:ϕ_s106.00000°,δ40.00000°,λ-136.00000°. Principal axes: T Plg13.0000°,Azm48.0000°; N Plg28.0000°,Azm145.0000°; P Plg59.0000°,Azm295.0000°
ISC XII 02 01 41 45.6–.56 37.15N–.04 138.80E–.05 173–5 4.0b 111 0-92
ISCJB XII 02 01 41 44.5–.21 37.13N–.03 138.81E–.05 179–1 4.0b **¶602390312**
JMA XII 02 01 41 45.9–.10 37.14N 138.86E 173–1 3.5
NEIC XII 02 01 41 45.7–.30 37.17N 138.75E 173–2 4.3b
IDC XII 02 01 41 45.9–.45 37.11N 138.72E 174–3 4.4s,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=2.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=89.0.
IDC Error ellipse: s-maj=14.6km s-min=8.2km az=76.0.
ISC XII 04 23 02 51.9–.96 37.26N–.04 138.88E–.04 12–6 4.0b 54 0-79
IDC XII 04 23 02 50.2–.68 37.32N 138.80E 0 4.0,3.8L **¶601996056**
ISCJB XII 04 23 02 51.7–.40 37.26N–.03 138.89E–.04 26–3 4.0s,3.9b
JMA XII 04 23 02 52.5 37.25N 138.94E 11–1 4.1,3.9b
NEIC XII 04 23 02 54.1–1.1 37.18N 138.76E 29–8 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=8.8km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.1km az=34.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s19.00000°,δ63.00000°,λ47.00000°. NP2:ϕ_s263.00000°,δ50.00000°,λ144.00000°. Principal axes: T Plg51.0000°,Azm238.0000°; N Plg38.0000°,Azm42.0000°; P Plg8.0000°,Azm138.0000°
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=6.4km az=66.0. Recorded [3 JMA] in Niigata.
ISC XII 12 07 41 35.1–.98 37.58N–.03 138.59E–.03 13–8 19 0-57
NIED XII 12 07 41 00 37.60N 138.60E 5 3.4W **¶602391165**
IDC XII 12 07 41 33.6–1.5 37.59N 138.66E 0 3.8,3.5
ISCJB XII 12 07 41 34.6–.60 37.61N–.03 138.58E–.04 12–5 3.6b,3.1s
JMA XII 12 07 41 35.3 37.62N 138.58E 16–1 3.4,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ33.00000°,λ52.00000°. NP2:ϕ_s235.00000°,δ64.00000°,λ112.00000°. $M_0$1.45000×10^{14}
IDC Error ellipse: s-maj=23.6km s-min=13.5km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.8km az=7.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s114.00000°,δ53.00000°,λ-121.00000°. NP2:ϕ_s338.00000°,δ47.00000°,λ-56.00000°. Principal axes: T Plg3.0000°,Azm225.0000°; N Plg24.0000°,Azm134.0000°; P Plg66.0000°,Azm322.0000°
ISC XII 19 16 08 08.8–.38 40.69N–.03 139.23E–.04 35–3 4.4b,3.7s 123 1-148
NIED XII 19 16 08 00 40.70N 139.00E 8 4.2W,3.7s **¶602052563**
IDC XII 19 16 08 03.5–.51 40.65N 139.08E 0 4.4,4.2
JMA XII 19 16 08 05.7–.10 40.67N 139.16E 29–2 4.3,4.2
ISCJB XII 19 16 08 05.8–.57 40.68N–.02 139.16E–.03 29–4 4.4b,3.7s
BJI XII 19 16 08 07.2 40.57N 139.06E 32 4.9b,4.5b
NEIC XII 19 16 08 08.3–1.2 40.67N 139.15E 32–9 4.8b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ43.00000°,λ102.00000°. NP2:ϕ_s4.00000°,δ48.00000°,λ79.00000°. $M_0$2.04000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=88.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=156.1.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.4km az=104.0. Recorded [2 JMA] in Aomori.
ISC XII 22 18 28 08.0–.73 37.58N–.07 138.32E–.07 219–6 3.6b 38 0-148
ISCJB XII 22 18 28 07.1–.39 37.59N–.05 138.30E–.07 224–4 3.5b **¶602090230**
IDC XII 22 18 28 07.7–1.1 37.68N 138.34E 213–12 3.9,3.4
JMA XII 22 18 28 08.2–.30 37.57N 138.32E 219–3 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.4km az=33.7.
IDC Error ellipse: s-maj=23.3km s-min=21.7km az=176.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 24 22 56 40.5–.85 40.46N–.06 139.71E–.08 175–7 3.2b 27 0-60
ISCJB XII 24 22 56 39.7–.52 40.46N–.05 139.73E–.09 179–5 3.3b **¶602392029**
JMA XII 24 22 56 40.8–.10 40.47N 139.78E 175–1 3.0
IDC XII 24 22 56 42.2–2.3 40.45N 139.57E 190–22 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=8.9km az=1.9.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=17.1km az=72.0.
JMA XII 26 15 11 52.6–.10 40.55N 139.16E 14–2 3.8
¶606077861
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(227) Eastern Honshu.

JMA VII 03 02 32 55.3 37.10N 140.49E 11–1 4.2
¶603633484
JMA Event type fe.
JMA VII 03 13 20 58.5 35.39N 138.96E 18–1 3.2
¶603633669
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s36.00000°,δ61.00000°,λ122.00000°. NP2:ϕ_s163.00000°,δ43.00000°,λ46.00000°. Principal axes: T Plg60.0000°,Azm355.0000°; N Plg28.0000°,Azm198.0000°; P Plg10.0000°,Azm103.0000°
JMA VII 03 23 49 09.1 37.68N 139.94E 9–1 0.4
¶603634017
JMA VII 03 23 49 35.7–.10 36.34N 138.23E 13–1 0.7
¶603634020
ISC VII 05 17 04 33.4–.77 37.07N–.03 140.64E–.03 10–4 4.0b,3.4s 97 0-147
NIED VII 05 17 04 00 37.00N 140.60E 8 4.2W,3.4s **¶601243218**
IDC VII 05 17 04 31.8–.61 37.04N 140.55E 0 4.1,4.0
ISCJB VII 05 17 04 32.7–.41 37.04N–.03 140.67E–.04 16–2 4.0b,3.4s
JMA VII 05 17 04 33.3 37.04N 140.57E 9–1 4.5,3.4s
MOS VII 05 17 04 35.1–1.5 37.14N 140.71E 33 4.4b,3.4s
NEIC VII 05 17 04 35.5–2.7 37.09N 140.60E 23–18 4.7b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ52.00000°,λ-26.00000°. NP2:ϕ_s266.00000°,δ70.00000°,λ-139.00000°. $M_0$2.39000×10^{15}
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=36.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s276.00000°,δ62.00000°,λ-128.00000°. NP2:ϕ_s154.00000°,δ46.00000°,λ-42.00000°. Principal axes: T Plg9.0000°,Azm32.0000°; N Plg32.0000°,Azm296.0000°; P Plg56.0000°,Azm136.0000°
MOS Error ellipse: s-maj=9.2km s-min=6.0km az=89.7.
NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=7.6km az=136.0. Recorded [3 JMA] in Fukushima.
ISC VII 05 17 53 20.6–.97 37.01N–.04 140.59E–.03 7–6 3.6b,2.7s 35 0-89
NIED VII 05 17 53 00 37.00N 140.60E 8 3.7W,2.7s **¶601505940**
IDC VII 05 17 53 19.2–.82 36.97N 140.65E 0 3.8,3.7
ISCJB VII 05 17 53 20.6–.44 37.04N–.03 140.62E–.04 15–3 3.5b,2.8s
JMA VII 05 17 53 21.1 37.05N 140.57E 9–1 3.9,2.8s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ54.00000°,λ-26.00000°. NP2:ϕ_s268.00000°,δ69.00000°,λ-141.00000°. $M_0$3.48000×10^{14}
IDC Error ellipse: s-maj=20.2km s-min=15.4km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.3km az=22.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s266.00000°,δ71.00000°,λ-139.00000°. NP2:ϕ_s160.00000°,δ52.00000°,λ-25.00000°. Principal axes: T Plg12.0000°,Azm29.0000°; N Plg46.0000°,Azm286.0000°; P Plg42.0000°,Azm130.0000°
ISC VII 05 23 24 20.2–.85 37.11N–.03 140.48E–.03 10–6 3.5b 28 0-61
NIED VII 05 23 24 00 37.10N 140.50E 11 3.7W **¶601663524**
IDC VII 05 23 24 18.7–1.6 37.16N 140.53E 0 3.7,3.7
ISCJB VII 05 23 24 20.0–.41 37.10N–.03 140.54E–.04 17–4 3.5b,3.7
JMA VII 05 23 24 20.3 37.10N 140.49E 12–1 4.1,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s88.00000°,δ90.00000°,λ175.00000°. $M_0$3.94000×10^{14}
IDC Error ellipse: s-maj=36.0km s-min=20.0km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.8km az=24.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s93.00000°,δ89.00000°,λ170.00000°. NP2:ϕ_s184.00000°,δ80.00000°,λ1.00000°. Principal axes: T Plg8.0000°,Azm48.0000°; N Plg80.0000°,Azm265.0000°; P Plg6.0000°,Azm139.0000°
JMA VII 08 21 10 18.6 37.77N 139.98E 6–1 0.5
¶605673252
ISC VII 09 00 34 08.5–.65 36.07N–.05 137.49E–.05 255–5 3.6b 53 0-68
NIED VII 09 00 34 00 36.10N 137.50E 270 4.0W **¶601664316**
ISCJB VII 09 00 34 07.6–.32 36.08N–.04 137.50E–.05 260–2 3.6b
JMA VII 09 00 34 08.4–.10 36.06N 137.51E 258–1 3.6
IDC VII 09 00 34 08.4–.43 36.03N 137.45E 252–5 3.9,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ69.00000°,λ3.00000°. NP2:ϕ_s219.00000°,δ87.00000°,λ159.00000°. $M_0$1.00000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=8.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=8.7km az=64.0.
ISC VII 09 22 19 03.3–1.0 36.02N–.06 139.91E–.06 49–10 3.5b 16 0-56
IDC VII 09 22 18 55.0–2.3 36.24N 140.47E 0 3.9L,3.5 **¶601664355**
ISCJB VII 09 22 19 02.3–.68 36.00N–.06 139.93E–.07 56–6 3.4b,3.5
JMA VII 09 22 19 04.0 36.04N 139.88E 43–1 3.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=60.8km s-min=23.3km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=8.3km az=140.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s44.00000°,δ81.00000°,λ75.00000°. NP2:ϕ_s282.00000°,δ17.00000°,λ147.00000°. Principal axes: T Plg52.0000°,Azm297.0000°; N Plg14.0000°,Azm46.0000°; P Plg34.0000°,Azm146.0000°
ISC VII 10 03 48 58.0–.53 36.82N–.02 138.33E–.03 16–3 4.8b,4.5s 524 0-150
NIED VII 10 03 48 00 36.80N 138.40E 8 5.1W,4.5s **¶601255485**
BJI VII 10 03 48 51.4 36.73N 138.89E 13 5.0s,4.9b
IDC VII 10 03 48 57.0–1.1 36.82N 138.20E 12–8 4.5,4.5
JMA VII 10 03 48 57.4 36.83N 138.39E 9–2 5.2,4.5
ISCJB VII 10 03 48 57.1–.32 36.87N–.02 138.23E–.02 16–2 4.7b,4.6s
MOS VII 10 03 48 58.5–1.2 36.77N 138.19E 33 5.0b,4.5s
NEIC VII 10 03 48 58.0–.60 36.78N 138.09E 16–3 4.8b,4.5s
GCMT VII 10 03 48 58.0–.20 36.64N 138.58E 12 5.0W,4.5s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s343.00000°,δ45.00000°,λ-13.00000°. NP2:ϕ_s82.00000°,δ81.00000°,λ-134.00000°. $M_0$4.49000×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=10.7km az=88.0.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s93.00000°,δ71.00000°,λ-145.00000°. NP2:ϕ_s350.00000°,δ57.00000°,λ-23.00000°. Principal axes: T Plg9.0000°,Azm219.0000°; N Plg51.0000°,Azm118.0000°; P Plg38.0000°,Azm316.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=39.0.
MOS Error ellipse: s-maj=6.5km s-min=4.1km az=104.6.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=151.0. Felt at Nagano, Nagaoka, Numata and Ueda. Recorded [5L JMA] in Nagano.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s41,c61; s103,c159; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.10 $M_{\theta\theta}$2.38±.09; $M_{\phi\phi}$-0.46±.10; $M_{r\theta}$-0.81±.26; $M_{\theta\phi}$-2.83±.08; $M_{\phi r}$-1.85±.28; Best double couple: NP1:ϕ_s338.00000°,δ64.00000°,λ-35.00000°. NP2:ϕ_s85.00000°,δ59.00000°,λ-149.00000°. Principal axes: T 4.1390,Plg3.0000°,Azm33.0000°; N -0.0630,Plg47.0000°,Azm126.0000°; P -4.0720,Plg43.0000°,Azm300.0000° $M_0$4.10500×10^{16}
JMA VII 10 03 50 12.8 36.81N 138.40E 9–1 3.9
¶603637337
JMA Event type fe.
JMA VII 10 03 51 46.1 36.83N 138.39E 10–2 2.7
¶601664366
JMA VII 10 03 51 55.7 36.83N 138.40E 7–2 3.6
¶603637341
JMA Event type fe.
ISC VII 10 03 57 21.0–1.0 36.79N–.03 138.42E–.03 9–10 20 0-57
ISCJB VII 10 03 57 20.8–.50 36.81N–.03 138.40E–.04 7–6 3.8b **¶601664368**
JMA VII 10 03 57 21.2 36.82N 138.39E 8–2 3.3
IDC VII 10 03 57 22.5–1.4 36.66N 138.31E 18–9 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=13.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s70.00000°,δ78.00000°,λ-146.00000°. NP2:ϕ_s332.00000°,δ57.00000°,λ-14.00000°. Principal axes: T Plg14.0000°,Azm197.0000°; N Plg54.0000°,Azm87.0000°; P Plg32.0000°,Azm296.0000°
IDC Error ellipse: s-maj=23.0km s-min=5.4km az=19.0.
ISC VII 10 04 03 15.8–1.0 36.83N–.05 138.38E–.05 11–11 16 0-57
IDC VII 10 04 03 13.9–2.1 36.89N 138.41E 0 3.9,3.7 **¶603637391**
ISCJB VII 10 04 03 15.5–.62 36.78N–.04 138.38E–.05 25–7 3.8b,3.7
JMA VII 10 04 03 16.3 36.82N 138.39E 8–2 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=13.6km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=34.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s69.00000°,δ80.00000°,λ-152.00000°. NP2: ϕ_s334.00000°,δ62.00000°,λ-11.00000°. Principal axes: T Plg12.0000°,Azm199.0000°; N Plg60.0000°,Azm87.0000°; P Plg27.0000°,Azm295.0000°
ISC VII 10 04 33 25.3–1.4 36.87N–.05 138.44E–.04 7–11 3.7b 22 0-69
NIED VII 10 04 33 00 36.80N 138.40E 5 4.0W **¶605671883**
IDC VII 10 04 33 23.5–1.4 36.94N 138.39E 0 3.9,3.7b
ISCJB VII 10 04 33 26.1–.45 36.80N–.03 138.37E–.04 25–5 3.7b,3.0s
JMA VII 10 04 33 26.6 36.83N 138.39E 9–2 3.9,3.0s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ42.00000°,λ2.00000°. NP2:ϕ_s259.00000°,δ88.00000°,λ132.00000°. $M_0$1.28000×10^{15}

IDC Error ellipse: s-maj=11.0km s-min=8.4km az=25.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.7km az=24.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s84.00000°,δ73.00000°,λ-141.00000°. NP2:ϕ_s341.00000°,δ53.00000°,λ-21.00000°. Principal axes: T Plg13.0000°,Azm208.0000°; N Plg48.0000°,Azm103.0000°; P Plg39.0000°,Azm309.0000°

JMA VII 10 13 20 57.4 36.82N 138.39E 9–2 1.5
¶603637996

JMA VII 12 03 31 03.5–.10 35.48N 138.99E 21–1 2.8
¶603638926

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ74.00000°,λ118.00000°. NP2:ϕ_s193.00000°,δ32.00000°,λ32.00000°. Principal axes: T Plg53.0000°,Azm18.0000°; N Plg26.0000°,Azm247.0000°; P Plg24.0000°,Azm144.0000°

ISC VII 12 04 00 02.5–.80 35.89N–.07 137.67E–.08 236 3.5b 28 0-59
ISCJB VII 12 04 00 01.8–.42 35.82N–.07 137.58E–.08 236 3.5b **¶601664462**
JMA VII 12 04 00 02.6–.20 35.86N 137.70E 236–2 2.9
IDC VII 12 04 00 02.4–1.2 35.70N 137.22E 222–43 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.2km az=39.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=119.7km s-min=8.9km az=65.0.

ISC VII 12 04 54 46.8–.59 36.11N–.04 139.88E–.04 48–5 4.4b 209 0-153
NIED VII 12 04 54 00 36.10N 139.90E 59 4.3W **¶601266305**
BJI VII 12 04 54 44.5 36.10N 139.90E 43 4.8b,4.6b
ISCJB VII 12 04 54 46.0–.33 36.07N–.03 139.87E–.03 57–2 4.4b,4.6b
JMA VII 12 04 54 47.0–.10 36.08N 139.89E 46–1 4.2,4.6b
MOS VII 12 04 54 47.6–.91 36.30N 139.70E 63 4.6b,4.6b
IDC VII 12 04 54 48.3–1.0 35.98N 139.81E 67–9 4.3,4.1
NEIC VII 12 04 54 48.0–.43 36.08N 139.73E 60–3 4.5b,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ20.00000°,λ94.00000°. NP2:ϕ_s51.00000°,δ70.00000°,λ89.00000°. $M_0$3.22000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=157.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ86.00000°. NP2: ϕ_s236.00000°,δ20.00000°,λ100.00000°. Principal axes: T Plg65.0000°,Azm309.0000°; N Plg3.0000°,Azm46.0000°; P Plg25.0000°,Azm138.0000°
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=108.9.
IDC Error ellipse: s-maj=11.7km s-min=7.0km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=155.0. Felt [II] at Tokyo. Felt widely in southeastern Honshu. Recorded [3 JMA] in Ibaraki, Saitama and Tochigi.

JMA VII 12 06 55 03.9 37.04N 140.65E 7–1 2.6
¶603638998

ISC VII 14 04 04 29.2–1.1 36.85N–.05 138.38E–.03 12–9 3.6b 26 0-73
IDC VII 14 04 04 27.4–1.1 36.92N 138.37E 0 3.8,3.7 **¶605671892**
ISCJB VII 14 04 04 29.3–.43 36.81N–.03 138.33E–.04 25–5 3.5b,3.7
JMA VII 14 04 04 30.1 36.83N 138.37E 8–2 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.6km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.7km az=17.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s336.00000°,δ51.00000°,λ-69.00000°. NP2:ϕ_s124.00000°,δ44.00000°,λ-114.00000°. Principal axes: T Plg4.0000°,Azm51.0000°; N Plg17.0000°,Azm142.0000°; P Plg73.0000°,Azm308.0000°

JMA VII 15 12 52 52.4–.10 36.81N 138.41E 1–1 0.0
¶603640811

ISC VII 15 19 31 30.4–.37 36.09N–.03 139.84E–.03 60–3 4.7b 524 0-153
NIED VII 15 19 31 00 36.20N 139.80E 62 4.8W **¶605671901**
BJI VII 15 19 31 24.6 35.94N 140.27E 62 4.9b,4.8b
MOS VII 15 19 31 29.9–.97 36.13N 139.62E 63 5.1b,4.8b
ISCJB VII 15 19 31 30.2–.28 36.10N–.02 139.71E–.03 65–2 4.6b,4.8b
IDC VII 15 19 31 31.7–.87 36.09N 139.74E 68–7 4.8,4.6
JMA VII 15 19 31 31.2–.10 36.15N 139.82E 52–1 4.8,4.6
NEIC VII 15 19 31 33.0–.50 36.08N 139.58E 78–4 4.6b,4.6
GCMT VII 15 19 31 33.0–.30 36.04N 139.84E 68–2 4.9W,4.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ39.00000°,λ148.00000°. NP2:ϕ_s20.00000°,δ71.00000°,λ56.00000°. $M_0$1.66000×10^{16}
MOS Error ellipse: s-maj=8.8km s-min=4.4km az=118.6.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.3km az=25.7.
IDC Error ellipse: s-maj=9.4km s-min=5.7km az=75.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ62.00000°,λ62.00000°. NP2:ϕ_s255.00000°,δ38.00000°,λ131.00000°. Principal axes: T Plg62.0000°,Azm252.0000°; N Plg24.0000°,Azm40.0000°; P Plg13.0000°,Azm136.0000°
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=107.0. Felt [IV] at Maebashi and [III] at Kawaguchi, Tokyo and Tsukuba. Felt throughout east-central Honshu. Recorded [4 JMA] in Gumma, Saitama and Tochigi.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s23,c28; s67,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.18±.15 $M_{\theta\theta}$-0.48±.14; $M_{\phi\phi}$-0.69±.13; $M_{r\theta}$-0.03±.09; $M_{\theta\phi}$-2.22±.11; $M_{\phi r}$1.15±.06; Best double couple: NP1:ϕ_s7.00000°,δ72.00000°,λ38.00000°. NP2:ϕ_s263.00000°,δ54.00000°,λ158.00000°. Principal axes: T 2.3030,Plg39.0000°,Azm231.0000°; N 0.6710,Plg49.0000°,Azm28.0000°; P -2.9780,Plg11.0000°,Azm132.0000° $M_0$2.64000×10^{16}

JMA VII 17 07 43 39.3–.10 37.33N 140.27E 97–1 1.2
¶603641717

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VII 18 17 07 33.9–1.0 36.06N–.06 139.90E–.06 50–10 3.2b 17 0-56
IDC VII 18 17 07 25.6–2.4 36.34N 140.39E 0 3.4,3.4 **¶601664796**
ISCJB VII 18 17 07 32.8–.70 36.04N–.06 139.92E–.07 57–6 3.2b,3.4
JMA VII 18 17 07 34.5–.10 36.09N 139.88E 46–1 3.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=23.4km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=7.5km az=43.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VII 19 06 11 03.0–.86 38.96N–.07 140.09E–.07 150–6 3.9b 29 0-72
IDC VII 19 06 10 50.9–2.6 39.87N 140.04E 0 4.0b,3.9 **¶603642666**
ISCJB VII 19 06 11 02.2–.48 39.02N–.06 140.07E–.08 150–4 3.8b,3.9
JMA VII 19 06 11 03.4–.10 38.99N 140.10E 146–1 3.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=64.5km s-min=33.5km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=8.6km az=38.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA VII 21 10 55 40.6 37.18N 140.73E 8–1 1.5
¶603643784

JMA VII 21 10 56 08.9–.20 36.81N 138.60E 2–3 2.9
¶603643787

JMA Event type fe.

ISC VII 21 11 47 36.6–.69 36.21N–.05 137.23E–.06 269–6 3.5b 46 0-93
ISCJB VII 21 11 47 36.0–.38 36.16N–.04 137.21E–.06 274–3 3.7b **¶601664917**
JMA VII 21 11 47 36.7–.10 36.11N 137.26E 271–1 3.3
IDC VII 21 11 47 36.7–.64 36.15N 137.17E 270–7 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.4km az=13.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=9.6km az=70.0.

JMA VII 23 10 38 32.6–.10 35.39N 138.73E 16–2 0.2
¶603644932

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA VII 25 02 43 30.5 37.78N 139.99E 8–1 2.6
¶603645865

JMA VII 25 22 45 26.1 37.77N 140.01E 8–1 3.6
NIED VII 25 22 45 00 37.80N 140.00E 8 3.4W **¶603646346**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ50.00000°,λ41.00000°. NP2:ϕ_s234.00000°,δ60.00000°,λ132.00000°. $M_0$1.58000×10^{14}

ISC VII 26 06 00 36.6–1.3 37.50N–.04 140.05E–.04 14–9 3.8b 30 0-91
ISCJB VII 26 06 00 37.5–.47 37.53N–.04 140.09E–.04 19–4 3.8b **¶601472511**
JMA VII 26 06 00 37.6 37.53N 140.07E 10 4.1
IDC VII 26 06 00 42.6–1.8 37.34N 140.02E 57–18 3.8,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=145.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s238.00000°,δ78.00000°,λ-166.00000°. NP2:ϕ_s146.00000°,δ77.00000°,λ-12.00000°. Principal axes: T Plg1.0000°,Azm12.0000°; N Plg72.0000°,Azm279.0000°; P Plg18.0000°,Azm102.0000°
IDC Error ellipse: s-maj=21.8km s-min=12.0km az=84.0.

ISC VII 28 13 17 36.3–.66 36.30N–.05 139.38E–.06 141–5 3.9b 59 0-92
NIED VII 28 13 17 00 36.30N 139.40E 145 3.9W **¶601506072**
ISCJB VII 28 13 17 35.1–.31 36.25N–.04 139.38E–.06 147–2 3.8b
JMA VII 28 13 17 36.8–.10 36.26N 139.42E 137–1 3.9
IDC VII 28 13 17 36.3–.62 36.22N 139.32E 143–5 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ39.00000°,λ143.00000°. NP2:ϕ_s56.00000°,δ68.00000°,λ57.00000°. $M_0$8.94000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=6.0km az=178.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s52.00000°,δ73.00000°,λ62.00000°. NP2: ϕ_s293.00000°,δ32.00000°,λ146.00000°. Principal axes: T Plg54.0000°,Azm288.0000°; N Plg26.0000°,Azm61.0000°; P Plg23.0000°,Azm163.0000°
IDC Error ellipse: s-maj=15.7km s-min=7.6km az=66.0.

JMA VII 28 21 16 55.5 37.07N 140.72E 12–1 1.6
¶603648168

JMA VII 28 21 17 25.1 36.77N 138.40E 7–1 1.1
¶603648171

JMA VII 31 07 54 06.2 37.68N 139.95E 8–1 0.1
¶601506092

ISC VIII 03 13 19 36.8–.68 36.01N–.04 139.95E–.04 50–6 4.6b,3.9s 225 0-148
NIED VIII 03 13 19 00 36.10N 139.90E 56 4.7W,3.9s **¶601518023**
BJI VIII 03 13 19 31.7 35.63N 140.18E 50 5.0b,4.7b
ISCJB VIII 03 13 19 35.8–.34 36.01N–.03 139.94E–.03 56–2 4.6b,3.9s
MOS VIII 03 13 19 36.0–1.0 36.05N 139.88E 55 4.9b,3.9s
JMA VIII 03 13 19 37.3–.10 36.03N 139.90E 43–1 4.6,3.9s
IDC VIII 03 13 19 37.9–1.6 35.99N 139.77E 57–14 4.4,4.3
NEIC VIII 03 13 19 38.9–.59 35.96N 139.78E 68–5 4.8b,4.3
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s287.00000°,δ37.00000°,λ147.00000°. NP2:ϕ_s45.00000°,δ71.00000°,λ58.00000°. $M_0$1.36000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.1km az=29.5.
MOS Error ellipse: s-maj=8.8km s-min=4.9km az=114.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s48.00000°,δ67.00000°,λ85.00000°. NP2: ϕ_s241.00000°,δ23.00000°,λ102.00000°. Principal axes: T Plg67.0000°,Azm309.0000°; N Plg5.0000°,Azm50.0000°; P Plg22.0000°,Azm142.0000°
IDC Error ellipse: s-maj=12.4km s-min=10.7km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=5.3km az=102.0. Felt [IV] at Tsuchiura, [III] at Saitama and [II] at Tokyo. Felt throughout east-central Honshu. Recorded [4 JMA] in Ibaraki and Tochigi.

ISC VIII 04 18 28 55.9–.65 36.25N–.07 137.46E–.07 253–5 3.6b 51 0-93
NIED VIII 04 18 28 00 36.20N 137.40E 270 3.9W **¶601765463**
ISCJB VIII 04 18 28 55.0–.33 36.26N–.06 137.46E–.07 258–2 3.5b
JMA VIII 04 18 28 55.6–.10 36.19N 137.43E 257–1 3.8
IDC VIII 04 18 28 55.7–.43 36.22N 137.38E 250–4 3.9,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s313.00000°,δ31.00000°,λ-89.00000°. NP2:ϕ_s131.00000°,δ59.00000°,λ-91.00000°. $M_0$7.05000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=8.8km az=158.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=13.7km s-min=9.8km az=79.0.

ISC VIII 04 20 00 18.7–.80 39.53N–.05 140.97E–.08 143–6 3.5b 32 0-72
ISCJB VIII 04 20 00 17.5–.44 39.52N–.04 140.98E–.09 144–3 3.5b **¶601765465**
IDC VIII 04 20 00 17.8–1.7 39.53N 141.01E 132–16 3.7,3.4
JMA VIII 04 20 00 19.0–.10 39.51N 140.91E 139–1 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.3km az=14.0.
IDC Error ellipse: s-maj=22.3km s-min=13.3km az=101.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VIII 04 20 44 45.1–.75 36.05N–.04 139.96E–.05 54–7 4.4b 47 0-75
IDC VIII 04 20 44 38.6–2.1 36.26N 140.29E 0 4.1L,3.8 **¶606007016**
ISCJB VIII 04 20 44 44.2–.40 36.05N–.03 140.01E–.05 61–3 4.2b,3.8
NEIC VIII 04 20 44 44.8–.76 36.06N 140.08E 52–7 4.6b,3.8
JMA VIII 04 20 44 46.7–.10 36.05N 139.88E 43–1 3.4,3.8
ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=18.9km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=108.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s43.00000°,δ71.00000°,λ86.00000°. NP2: ϕ_s234.00000°,δ19.00000°,λ101.00000°. Principal axes: T Plg64.0000°,Azm307.0000°; N Plg4.0000°,Azm44.0000°; P Plg26.0000°,Azm136.0000°

ISC VIII 07 11 43 25.3–.96 37.81N–.03 140.02E–.03 18–4 3.5b 26 0-58
IDC VIII 07 11 43 21.7–1.5 37.88N 140.20E 0 3.7,3.5 **¶601765600**
ISCJB VIII 07 11 43 25.8–.41 37.80N–.03 140.01E–.04 15–8 3.5b,3.5
JMA VIII 07 11 43 25.9 37.81N 140.00E 9–1 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=16.6km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=41.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s188.00000°,δ52.00000°,λ77.00000°. NP2:ϕ_s28.00000°,δ40.00000°,λ106.00000°. Principal axes: T Plg78.0000°,Azm48.0000°; N Plg10.0000°,Azm196.0000°; P Plg6.0000°,Azm287.0000°

ISC VIII 07 15 48 58.1–.75 36.45N–.05 138.46E–.07 168–5 3.2b 35 0-92
ISCJB VIII 07 15 48 57.1–.42 36.41N–.04 138.44E–.08 175–3 3.3b **¶606008186**
IDC VIII 07 15 48 57.4–.52 36.45N 138.52E 163–2 3.6,3.3
JMA VIII 07 15 48 58.4–.10 36.38N 138.44E 167–1 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.4km az=167.3.
IDC Error ellipse: s-maj=17.8km s-min=9.4km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA VIII 11 11 58 30.4 36.15N 137.56E 3–1 2.1
¶606010154

JMA VIII 11 11 58 36.4 36.15N 137.56E 3–1 2.4
¶606010157

JMA Event type fe.

ISC VIII 12 09 56 27.4–.86 37.09N–.03 140.50E–.03 6–6 3.8b 37 0-91
NIED VIII 12 09 56 00 37.10N 140.60E 5 3.9W **¶606010783**
ISCJB VIII 12 09 56 27.6–.41 37.08N–.03 140.61E–.04 17–3 3.8b
JMA VIII 12 09 56 27.8 37.08N 140.55E 4–1 3.8
IDC VIII 12 09 56 32.5–1.8 37.06N 140.57E 45–19 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s316.00000°,δ34.00000°,λ-85.00000°. NP2:ϕ_s130.00000°,δ57.00000°,λ-93.00000°. $M_0$6.75000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=32.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s312.00000°,δ47.00000°,λ-96.00000°. NP2:ϕ_s141.00000°,δ43.00000°,λ-84.00000°. Principal axes: T Plg2.0000°,Azm46.0000°; N Plg4.0000°,Azm316.0000°; P Plg85.0000°,Azm164.0000°
IDC Error ellipse: s-maj=15.4km s-min=12.2km az=42.0.

ISC VIII 12 11 11 25.3–.99 37.80N–.03 140.00E–.03 9–7 3.7b 30 0-91
IDC VIII 12 11 11 23.8–.93 37.87N 139.90E 0 3.9,3.7 **¶601765773**
ISCJB VIII 12 11 11 24.7–.46 37.80N–.03 140.01E–.04 13–3 3.7b,3.7
JMA VIII 12 11 11 25.1 37.81N 140.00E 9–1 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=12.4km az=129.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.1km az=37.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ57.00000°,λ57.00000°. NP2:ϕ_s42.00000°,δ45.00000°,λ130.00000°. Principal axes: T Plg62.0000°,Azm28.0000°; N Plg27.0000°,Azm191.0000°; P Plg7.0000°,Azm285.0000°

ISC VIII 12 13 06 02.9–1.2 36.16N–.04 137.57E–.03 4–10 3.4b 22 0-60

NIED VIII 12 13 06 00 36.10N 137.60E 5 4.0W **¶601765775**
ISCJB VIII 12 13 06 02.1–.59 36.16N–.04 137.56E–.04 12–4 3.5s,3.2b
JMA VIII 12 13 06 02.4 36.15N 137.56E 2–1 3.7,3.2b
IDC VIII 12 13 06 02.1–.97 36.17N 137.56E 0 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S177.00000°,δ64.00000°,λ-15.00000°. NP2:ϕ_S274.00000°,δ77.00000°,λ-153.00000°. $M_0$1.14000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.8km az=10.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S97.00000°,δ89.00000°,λ-175.00000°. NP2:ϕ_S7.00000°,δ85.00000°,λ-1.00000°. Principal axes: T Plg3.0000°,Azm232.0000°; N Plg85.0000°,Azm105.0000°; P Plg4.0000° ,Azm322.0000°
IDC Error ellipse: s-maj=20.8km s-min=8.6km az=153.0.
ISC VIII 14 16 15 09.9–.97 37.04N–.03 140.77E–.04 7–7 3.5b 27 0-61
ISCJB VIII 14 16 15 08.7–.70 37.03N–.03 140.86E–.05 9–3 3.5b **¶601765838**
JMA VIII 14 16 15 09.8 37.05N 140.77E 9–1 3.6
IDC VIII 14 16 15 09.2–1.4 36.93N 140.87E 0 3.7,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.4km az=13.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S10.00000°,δ52.00000°,λ-119.00000°. NP2:ϕ_S232.00000°,δ47.00000°,λ-58.00000°. Principal axes: T Plg3.0000°,Azm120.0000°; N Plg23.0000°,Azm29.0000°; P Plg67.0000° ,Azm217.0000°
IDC Error ellipse: s-maj=30.6km s-min=18.6km az=78.0.
ISC VIII 16 09 59 17.5–.48 39.88N–.04 140.45E–.05 141–4 4.4b 274 0-146
NIED VIII 16 09 59 00 39.90N 140.40E 130 4.3W **¶601564153**
BJI VIII 16 09 59 09.4 39.74N 141.02E 110 4.9b,4.8b
ISCJB VIII 16 09 59 17.5–.19 39.95N–.02 140.34E–.04 143–2 4.3b,4.8b
MOS VIII 16 09 59 17.4–.94 40.05N 140.27E 137 4.5b,4.8b
JMA VIII 16 09 59 18.9–.10 39.87N 140.41E 140–1 4.1,4.8b
IDC VIII 16 09 59 18.1–1.0 39.88N 140.31E 140–9 4.4,4.1
NEIC VIII 16 09 59 19.1–.38 39.92N 140.29E 145–3 4.3b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S104.00000°,δ64.00000°,λ-177.00000°. NP2:ϕ_S13.00000°,δ87.00000°,λ-26.00000°. $M_0$3.65000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.2km az=39.5.
MOS Error ellipse: s-maj=7.0km s-min=5.1km az=87.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S13.00000°,δ88.00000°,λ-34.00000°. NP2: ϕ_S104.00000°,δ56.00000°,λ-178.00000°. Principal axes: T Plg22.0000°,Azm64.0000° ; N Plg56.0000°,Azm190.0000°; P Plg25.0000°,Azm323.0000°
IDC Error ellipse: s-maj=10.5km s-min=8.4km az=112.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=150.0. Recorded [2 JMA] in Aomori.
ISC VIII 17 06 43 21.9–.84 37.53N–.05 140.18E–.07 144–6 3.6b 30 0-68
ISCJB VIII 17 06 43 20.8–.50 37.53N–.05 140.18E–.08 147–3 3.6b **¶601765972**
IDC VIII 17 06 43 20.8–3.4 37.53N 140.33E 137–27 3.9,3.5
JMA VIII 17 06 43 22.1–.10 37.55N 140.13E 143–1 3.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.1km az=26.6.
IDC Error ellipse: s-maj=42.3km s-min=13.3km az=61.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VIII 18 06 31 46.2 35.33N 137.50E 53–1 3.0 ¶606014680
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S358.00000°,δ86.00000°,λ139.00000°. NP2:ϕ_S92.00000°,δ49.00000°,λ6.00000°. Principal axes: T Plg31.0000°,Azm307.0000°; N Plg49.0000°,Azm173.0000°; P Plg24.0000° ,Azm52.0000°
ISC VIII 21 21 08 40.4–.92 37.74N–.03 140.04E–.03 14–7 3.4b 26 0-58
IDC VIII 21 21 08 38.5–1.3 37.67N 140.24E 0 3.6,3.3 **¶601766274**
ISCJB VIII 21 21 08 40.8–.47 37.77N–.02 140.02E–.03 11–4 3.4b,3.3
JMA VIII 21 21 08 41.1 37.77N 140.01E 8–1 3.1,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=15.8km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=34.3.
JMA Event type fe.
ISC VIII 22 14 24 44.9–1.3 36.2N–.10 137.2E–.20 250 8 0-56
IDC VIII 22 14 24 40.9–7.1 33.97N 137.85E 76–100 3.4,3.3 **¶606017086**
JMA VIII 22 14 24 43.7–.30 36.28N 137.14E 267–3 2.2,3.3
ISCJB VIII 22 14 24 45.4–.95 36.3N–.20 137.1E–.30 250 3.2b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 22 17 27 56.5–1.1 37.90N–.05 139.90E–.06 131–6 39 0-61
IDC VIII 22 17 27 53.2–2.1 37.61N 140.71E 87–28 3.6,3.3 **¶606017164**
JMA VIII 22 17 27 56.9–.10 37.88N 139.87E 126–1 2.7,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=13.0km az=123.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 24 01 22 42.8–.98 36.15N–.04 139.80E–.05 58–8 3.6b 25 0-56
ISCJB VIII 24 01 22 41.9–.60 36.13N–.04 139.85E–.07 65–5 3.5b **¶601766376**
IDC VIII 24 01 22 41.6–1.1 35.38N 137.80E 0 4.0L,3.7
JMA VIII 24 01 22 43.6–.10 36.14N 139.82E 51–1 3.4,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.2km az=179.4.
IDC Error ellipse: s-maj=31.7km s-min=18.4km az=68.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S25.00000°,δ79.00000°,λ82.00000°. NP2: ϕ_S242.00000°,δ13.00000°,λ125.00000°. Principal axes: T Plg55.0000°,Azm286.0000° ; N Plg8.0000°,Azm27.0000°; P Plg34.0000°,Azm122.0000°
ISC VIII 25 00 52 20.2–.93 37.80N–.03 140.01E–.03 11–8 27 0-58
NIED VIII 25 00 52 00 37.80N 140.00E 8 3.5W **¶601766425**
ISCJB VIII 25 00 52 20.1–.45 37.80N–.03 140.02E–.04 9–4 3.6b
JMA VIII 25 00 52 20.3 37.80N 140.00E 8–1 3.5
IDC VIII 25 00 52 31.6–2.1 37.50N 139.31E 90–18 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S30.00000°,δ34.00000°,λ102.00000°. NP2:ϕ_S196.00000°,δ57.00000°,λ82.00000°. $M_0$1.77000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=28.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S207.00000°,δ55.00000°,λ96.00000°. NP2:ϕ_S17.00000°,δ35.00000°,λ82.00000°. Principal axes: T Plg79.0000°,Azm140.0000°; N Plg5.0000°,Azm24.0000°; P Plg10.0000° ,Azm293.0000°
IDC Error ellipse: s-maj=37.8km s-min=23.3km az=93.0.
JMA VIII 25 15 25 24.4 37.76N 140.02E 8–1 1.4 ¶606018815
ISC VIII 28 17 50 55.9–.98 38.96N–.03 140.91E–.03 12–6 4.2b 65 0-146
NIED VIII 28 17 50 00 39.00N 140.90E 5 3.8W **¶601755527**
ISCJB VIII 28 17 50 55.5–.39 38.98N–.03 140.93E–.04 23–3 4.1b
JMA VIII 28 17 50 55.7 38.97N 140.90E 7–1 4.0
NEIC VIII 28 17 51 00.8–.57 39.00N 140.80E 50–5 4.4b
IDC VIII 28 17 51 00.6–2.3 38.95N 140.74E 45–21 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S270.00000°,δ40.00000°,λ63.00000°. NP2:ϕ_S124.00000°,δ55.00000°,λ111.00000°. $M_0$5.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.5km az=13.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S118.00000°,δ45.00000°,λ97.00000°. NP2:ϕ_S288.00000°,δ45.00000°,λ83.00000°. Principal axes: T Plg85.0000°,Azm113.0000°; N Plg5.0000°,Azm293.0000°; P Plg0.0000° ,Azm203.0000°
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.0km az=113.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=18.4km s-min=14.2km az=90.0.
ISC VIII 29 19 17 40.1–.74 36.08N–.05 139.83E–.05 57–6 4.2b 60 0-153
NIED VIII 29 19 17 00 36.20N 139.90E 44 4.2W **¶606021269**
ISCJB VIII 29 19 17 38.8–.42 36.10N–.04 139.87E–.05 61–3 4.2b
IDC VIII 29 19 17 39.9–1.1 36.08N 139.71E 55–10 4.2,4.1
JMA VIII 29 19 17 40.3 36.12N 139.85E 49–1 4.1,4.1
NEIC VIII 29 19 17 41.5–.87 36.13N 139.76E 68–7 4.5b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S226.00000°,δ36.00000°,λ69.00000°. NP2:ϕ_S70.00000°,δ57.00000°,λ104.00000°. $M_0$2.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=6.4km az=0.4.
IDC Error ellipse: s-maj=12.2km s-min=6.8km az=64.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S74.00000°,δ69.00000°,λ93.00000°. NP2:ϕ_S246.00000°,δ21.00000°,λ83.00000°. Principal axes: T Plg66.0000°,Azm349.0000°; N Plg3.0000°,Azm253.0000°; P Plg24.0000° ,Azm162.0000°
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.6km az=130.0. Recorded [2 JMA] in Gumma, Ibaraki, Saitama and Tochigi.
JMA IX 01 17 45 13.8 37.80N 140.00E 8–1 0.9 ¶601685281
ISC IX 01 17 45 42.1–.88 37.81N–.02 140.00E–.02 11–5 4.5b,4.1s 164 0-147
NIED IX 01 17 45 00 37.80N 140.00E 5 4.1W,4.1s **¶606022627**
IDC IX 01 17 45 40.3–.56 37.81N 139.93E 0 4.3,4.0
ISCJB IX 01 17 45 41.1–.56 37.82N–.02 140.01E–.02 14–3 4.5b,3.9s
JMA IX 01 17 45 41.3 37.80N 140.00E 9–1 4.1,3.9s
BJI IX 01 17 45 42.9 37.67N 140.06E 34 4.7b,4.5b
MOS IX 01 17 45 43.6–1.0 37.84N 140.00E 33 4.4b,4.5b
NEIC IX 01 17 45 45.5–.51 37.82N 139.93E 36–5 4.6b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S27.00000°,δ26.00000°,λ110.00000°. NP2:ϕ_S185.00000°,δ65.00000°,λ81.00000°. $M_0$1.43000×10^{15}
IDC Error ellipse: s-maj=17.9km s-min=13.3km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=44.0.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S41.00000°,δ73.00000°,λ146.00000°. NP2:ϕ_S142.00000°,δ58.00000°,λ20.00000°. Principal axes: T Plg36.0000°,Azm357.0000°; N Plg52.0000°,Azm197.0000°; P Plg10.0000° ,Azm94.0000°
MOS Error ellipse: s-maj=10.4km s-min=7.0km az=72.7.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=129.0. Recorded [2 JMA] in Fukushima and Yamagata.
ISC IX 01 18 47 47.7–1.1 37.75N–.03 140.05E–.03 6–10 30 0-61
ISCJB IX 01 18 47 47.8–.42 37.79N–.02 140.02E–.03 10–4 3.7s,3.5b **¶601862738**
IDC IX 01 18 47 47.6–1.7 37.69N 140.14E 0 3.6,3.6
JMA IX 01 18 47 48.1 37.79N 140.00E 8–1 3.2,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=31.1.
IDC Error ellipse: s-maj=35.5km s-min=26.2km az=125.0.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S23.00000°,δ60.00000°,λ115.00000°. NP2:ϕ_S159.00000°,δ38.00000°,λ53.00000°. Principal axes: T Plg65.0000°,Azm338.0000°; N Plg22.0000°,Azm190.0000°; P Plg12.0000° ,Azm95.0000°
ISC IX 02 08 31 32.4–.78 36.35N–.04 139.19E–.07 127–5 3.7b 32 0-92
ISCJB IX 02 08 31 31.4–.45 36.35N–.04 139.19E–.09 132–3 3.6b **¶606023386**
IDC IX 02 08 31 32.5–1.5 36.34N 139.19E 127–8 3.9,3.6
JMA IX 02 08 31 33.2–.10 36.32N 139.29E 120–1 3.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.1km az=175.1.
IDC Error ellipse: s-maj=42.2km s-min=10.0km az=65.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 09 03 45 01.1–.98 39.93N–.04 142.00E–.08 68–6 3.9b 29 0-72
ISCJB IX 09 03 44 59.8–.62 39.94N–.03 142.02E–.09 74–4 3.8b **¶601863207**
NIED IX 09 03 45 00 39.90N 142.00E 71 3.6W
JMA IX 09 03 45 01.5 39.93N 141.95E 66–1 3.5
IDC IX 09 03 45 01.1–2.3 39.94N 142.31E 76–20 3.7,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.6km az=4.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S228.00000°,δ43.00000°,λ107.00000°. NP2:ϕ_S25.00000°,δ50.00000°,λ75.00000°. $M_0$3.15000×10^{14}
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S16.00000°,δ50.00000°,λ64.00000°. NP2:ϕ_S233.00000°,δ47.00000°,λ118.00000°. Principal axes: T Plg70.0000°,Azm219.0000°; N Plg20.0000°,Azm33.0000°; P Plg2.0000° ,Azm124.0000°
IDC Error ellipse: s-maj=33.7km s-min=13.9km az=101.0.
JMA IX 13 12 33 27.6 36.11N 137.37E 11 2.5 ¶606029691
JMA IX 14 08 43 50.7 35.10N 137.82E 18 2.9 ¶606030386
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S177.00000°,δ51.00000°,λ60.00000°. NP2:ϕ_S40.00000°,δ47.00000°,λ122.00000°. Principal axes: T Plg67.0000°,Azm23.0000°; N Plg23.0000°,Azm197.0000°; P Plg2.0000° ,Azm288.0000°
JMA IX 14 21 49 11.2–.10 36.65N 138.31E 1–2 1.0 ¶606030746
ISC IX 15 22 11 05.9–.89 35.01N–.03 138.23E–.05 30–6 20 0-58
NIED IX 15 22 11 00 35.00N 138.10E 26 3.6W **¶601863610**
ISCJB IX 15 22 11 06.4–.55 34.97N–.03 138.16E–.05 26–4 3.8b
JMA IX 15 22 11 06.0 35.00N 138.11E 30–1 3.6
IDC IX 15 22 11 08.3–1.7 34.96N 138.40E 61–25 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S332.00000°,δ25.00000°,λ-150.00000°. NP2:ϕ_S214.00000°,δ78.00000°,λ-68.00000°. $M_0$2.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.7km az=0.5.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S224.00000°,δ86.00000°,λ-42.00000°. NP2:ϕ_S318.00000°,δ48.00000°,λ-175.00000°. Principal axes: T Plg25.0000°,Azm279.0000°; N Plg48.0000°,Azm40.0000°; P Plg31.0000° ,Azm172.0000°
IDC Error ellipse: s-maj=38.9km s-min=16.2km az=83.0.
JMA IX 19 19 11 29.6 35.11N 137.76E 5 -0.5 ¶601863845
JMA IX 20 06 24 27.8 35.24N 137.42E 47 2.7 ¶606033200
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S315.00000° ,δ60.00000°,λ-109.00000°. NP2:ϕ_S170.00000°,δ35.00000°,λ-61.00000°. Principal axes: T Plg13.0000°,Azm59.0000°; N Plg16.0000°,Azm325.0000°; P Plg69.0000°,Azm185.0000°
ISC IX 22 19 31 33.0–.77 37.21N–.04 139.36E–.07 143–5 3.6b 48 0-82
ISCJB IX 22 19 31 31.9–.41 37.19N–.04 139.38E–.07 147–2 3.5b **¶601864009**
IDC IX 22 19 31 31.6–1.1 37.25N 139.56E 134–8 3.8,3.4
JMA IX 22 19 31 33.3–.10 37.19N 139.34E 141–1 3.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.8km az=1.2.
IDC Error ellipse: s-maj=18.8km s-min=10.0km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 23 01 29 14.9–1.3 39.79N–.04 141.84E–.08 56–8 4.0b 25 0-45
IDC IX 23 01 29 10.7–6.1 40.16N 141.48E 0 4.0b,3.9 **¶601864019**
ISCJB IX 23 01 29 14.0–.81 39.77N–.04 141.83E–.09 63–4 3.9b,3.9
JMA IX 23 01 29 14.7 39.76N 141.83E 59–1 3.0,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=118.2km s-min=32.8km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.2km az=3.6.
ISC IX 23 04 23 37.6–.90 39.72N–.04 141.77E–.06 55–6 4.0b 32 0-72
ISCJB IX 23 04 23 36.1–.64 39.76N–.03 141.89E–.08 67–3 3.8b **¶601864023**
JMA IX 23 04 23 37.7 39.76N 141.84E 59–1 3.3
IDC IX 23 04 23 40.8–2.2 39.64N 141.86E 100–19 3.8,3.6b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.7km az=5.6.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=37.1km s-min=15.1km az=99.0.
ISC IX 24 16 12 47.5–.92 36.14N–.05 139.85E–.05 53–8 3.7b 23 0-60
NIED IX 24 16 12 00 36.20N 139.90E 56 3.6W **¶601864103**
IDC IX 24 16 12 40.1–1.1 36.09N 140.13E 0 3.7,3.7
ISCJB IX 24 16 12 46.5–.56 36.11N–.05 139.91E–.07 60–4 3.5b,3.7
JMA IX 24 16 12 48.0–.10 36.13N 139.84E 49–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S218.00000°,δ21.00000°,λ73.00000°. NP2:ϕ_S56.00000°,δ70.00000°,λ96.00000°. $M_0$2.45000×10^{14}
IDC Error ellipse: s-maj=29.7km s-min=17.9km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=7.7km az=168.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S42.00000°,δ79.00000°,λ88.00000°. NP2: ϕ_S234.00000°,δ11.00000°,λ102.00000°. Principal axes: T Plg56.0000°,Azm309.0000° ; N Plg2.0000°,Azm42.0000°; P Plg34.0000°,Azm134.0000°

ISC IX 28 21 56 10.9–1.0 40.10N–.07 140.61E–.05 15–7 15 0-72
NIED IX 28 21 56 00 40.00N 140.50E 11 3.4W ¶601864371
IDC IX 28 21 56 07.2–1.8 39.91N 140.67E 0 3.5,3.5
ISCJB IX 28 21 56 09.8–.68 40.11N–.05 140.52E–.07 19–7 3.5s,3.3b
JMA IX 28 21 56 10.1 40.04N 140.54E 9–1 3.6,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ20.00000°,λ108.00000°. NP2:ϕ_s167.00000°,δ71.00000°,λ83.00000°. $M_0$1.56000×10^{14}
IDC Error ellipse: s-maj=35.5km s-min=18.1km az=121.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=8.2km az=154.1.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s134.00000°,δ64.00000°,λ100.00000°. NP2:ϕ_s291.00000°,δ27.00000°,λ70.00000°. Principal axes: T Plg69.0000°,Azm64.0000°; N Plg9.0000°,Azm309.0000°; P Plg19.0000° ,Azm216.0000°
ISC IX 30 13 39 00.0–.85 37.02N–.03 140.63E–.03 10–5 3.8b 39 0-147
ISCJB IX 30 13 38 59.6–.45 37.01N–.03 140.68E–.04 17–3 3.8b ¶601769292
JMA IX 30 13 39 00.1 37.02N 140.61E 8–1 4.0
NIED IX 30 13 39 00 37.00N 140.60E 8 3.7W
IDC IX 30 13 39 08.0–2.5 36.97N 140.34E 75–23 3.9,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.2km az=26.8.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s339.00000°,δ73.00000°,λ-84.00000°. NP2:ϕ_s139.00000°,δ18.00000°,λ-109.00000°. Principal axes: T Plg28.0000°,Azm64.0000°; N Plg6.0000°,Azm157.0000°; P Plg61.0000° ,Azm257.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ47.00000°,λ-171.00000°. NP2:ϕ_s345.00000°,δ83.00000°,λ-43.00000°. $M_0$3.43000×10^{14}
IDC Error ellipse: s-maj=22.1km s-min=15.7km az=88.0.
ISC X 01 16 12 21.5–.83 37.80N–.03 140.02E–.02 13–5 4.4b 176 0-147
NIED X 01 16 12 00 37.80N 140.00E 5 4.0W ¶601776126
ISCJB X 01 16 12 21.0–.34 37.82N–.02 140.00E–.02 17–2 4.3b,3.0s
JMA X 01 16 12 21.0 37.81N 140.03E 8–1 4.2,3.0s
MOS X 01 16 12 22.2–.99 37.79N 140.04E 29 4.6b,3.0s
NEIC X 01 16 12 25.8–.51 37.79N 139.91E 42–4 4.4b,3.0s
IDC X 01 16 12 25.4–2.2 37.82N 139.93E 38–19 4.1,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ33.00000°,λ101.00000°. NP2:ϕ_s170.00000°,δ58.00000°,λ83.00000°. $M_0$1.20000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=143.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s183.00000°,δ49.00000°,λ85.00000°. NP2:ϕ_s10.00000°,δ41.00000°,λ95.00000°. Principal axes: T Plg85.0000°,Azm51.0000°; N Plg4.0000°,Azm186.0000°; P Plg4.0000° ,Azm276.0000°
MOS Error ellipse: s-maj=9.0km s-min=6.1km az=77.8.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=130.0. Recorded [3 JMA] in Yamagata.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=114.0.
JMA X 01 18 39 27.0 37.82N 140.02E 9–1 1.6
¶606038683
JMA X 01 23 25 46.7 35.03N 137.02E 41–1 2.7
¶606038794
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s234.00000°,δ87.00000°,λ-39.00000°. NP2:ϕ_s327.00000°,δ51.00000°,λ-176.00000°. Principal axes: T Plg24.0000°,Azm287.0000°; N Plg51.0000°,Azm50.0000°; P Plg29.0000° ,Azm183.0000°
JMA X 05 15 11 20.3 35.03N 137.24E 38 3.3
NIED X 05 15 11 00 35.00N 137.30E 35 3.5W ¶603684781
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s60.00000°,δ87.00000°,λ-17.00000°. NP2:ϕ_s150.00000°,δ73.00000°,λ-177.00000°. Principal axes: T Plg10.0000°,Azm106.0000°; N Plg73.0000°,Azm231.0000°; P Plg14.0000° ,Azm14.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ54.00000°,λ-161.00000°. NP2:ϕ_s55.00000°,δ75.00000°,λ-37.00000°. $M_0$2.08000×10^{14}
ISC X 05 16 19 03.9–.63 40.00N–.03 140.69E–.03 13–3 4.8b,4.1s 484 0-160
ISCJB X 05 16 19 00.9–.57 40.00N–.02 140.49E–.02 0–3 4.8b,4.0s ¶601790332
NIED X 05 16 19 00 40.00N 140.60E 5 4.7W,4.0s
IDC X 05 16 19 01.6–.41 39.96N 140.54E 0 4.8,4.6
JMA X 05 16 19 01.8 39.99N 140.61E 3–1 4.9,4.6
BJI X 05 16 19 02.4 39.86N 140.69E 11 4.9b,4.7s
GCMT X 05 16 19 04.4–.30 40.10N–.02 140.58E–.02 12 4.7W,4.7s
MOS X 05 16 19 05.6–1.0 39.94N 140.51E 37 4.9b,4.1s
NEIC X 05 16 19 07.5–.57 39.98N 140.43E 38–5 4.9b,4.1s
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=151.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s288.00000°,δ75.00000°,λ5.00000°. NP2:ϕ_s196.00000°,δ85.00000°,λ165.00000°. $M_0$1.14000×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=9.3km az=109.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s208.00000°,δ70.00000°,λ157.00000°. NP2:ϕ_s307.00000°,δ68.00000°,λ21.00000°. Principal axes: T Plg30.0000°,Azm167.0000°; N Plg60.0000°,Azm350.0000°; P Plg1.0000° ,Azm258.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c11; s78,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.07 $M_{\theta\theta}$0.68±.06; $M_{\phi\phi}$-1.15±.06; $M_{r\theta}$-0.04±.19; $M_{\theta\phi}$1.14±.05; $M_{\phi r}$0.03±.17; Best double couple: NP1:ϕ_s289.00000°,δ90.00000°,λ2.00000°. NP2:ϕ_s199.00000°,δ88.00000°,λ180.00000°. Principal axes: T 1.2270,Plg1.0000° ,Azm154.0000°; N 0.4720,Plg88.0000°,Azm295.0000°; P -1.6980,Plg1.0000°,Azm64.0000° $M_0$1.46200×10^{16}
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=88.9.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=135.0. Recorded [3 JMA] in Akita.
JMA X 05 16 19 33.3 39.99N 140.60E 5–2 4.2
¶606040361
ISC X 07 13 53 07.8–1.5 39.97N–.03 140.58E–.05 1–10 4.0b 47 0-146
NIED X 07 13 53 00 40.00N 140.60E 5 3.7W ¶601795086
ISCJB X 07 13 53 07.0–.72 39.98N–.03 140.52E–.05 7–5 3.8b,2.7s
IDC X 07 13 53 07.1–.68 39.90N 140.56E 0 4.0,3.8
JMA X 07 13 53 07.5 39.99N 140.61E 3–1 3.6,3.8
NEIC X 07 13 53 12.7–.61 39.96N 140.43E 37–6 4.5b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ52.00000°,λ163.00000°. NP2:ϕ_s301.00000°,δ77.00000°,λ39.00000°. $M_0$3.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=22.3.
IDC Error ellipse: s-maj=19.4km s-min=12.4km az=121.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=108.0.
ISC X 13 03 08 58.8–.74 35.36N–.07 137.00E–.05 299–6 47 0-69
NIED X 13 03 08 00 35.40N 136.90E 300 3.8W ¶601998079
ISCJB X 13 03 08 57.6–.45 35.34N–.06 136.99E–.05 306–3 3.4b
JMA X 13 03 08 58.6–.10 35.40N 136.93E 301–1 3.5
IDC X 13 03 08 58.5–.67 35.27N 136.97E 297–7 4.2,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ51.00000°,λ163.00000°. NP2:ϕ_s301.00000°,δ77.00000°,λ41.00000°. $M_0$4.86000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.1km az=159.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=13.7km az=115.0.
ISC X 14 13 33 50.5–.83 36.54N–.07 137.19E–.08 250 3.2b 19 1-78
ISCJB X 14 13 33 50.5–.51 36.60N–.06 137.17E–.10 250 3.1b ¶601998216
JMA X 14 13 33 50.2–.10 36.52N 137.24E 262–2 3.0
IDC X 14 13 33 50.3–.70 36.45N 137.11E 255–9 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.4km az=160.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=12.1km az=67.0.
JMA X 15 00 27 23.9 37.68N 140.07E 6–1 2.6
¶606045394
ISC X 15 11 59 25.5–.89 39.63N–.04 141.98E–.08 66–6 3.5b 30 0-76
IDC X 15 11 59 20.8–1.1 38.76N 144.03E 0 4.0,3.8 ¶601998324
ISCJB X 15 11 59 24.9–.55 39.66N–.03 141.94E–.08 70–4 3.5b,3.8
JMA X 15 11 59 25.7 39.67N 141.93E 65–1 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=19.8km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.7km az=2.4.
JMA Event type fe.
JMA X 16 08 48 58.9 35.15N 137.98E 15–1 3.5
NIED X 16 08 48 00 35.20N 138.00E 20 3.2W ¶603690391
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s63.00000°,δ66.00000°,λ-147.00000°. NP2:ϕ_s318.00000°,δ60.00000°,λ-28.00000°. Principal axes: T Plg4.0000°,Azm189.0000°; N Plg50.0000°,Azm94.0000°; P Plg40.0000° ,Azm282.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ81.00000°,λ175.00000°. NP2:ϕ_s341.00000°,δ85.00000°,λ9.00000°. $M_0$8.03000×10^{13}
ISC X 16 19 35 43.1–.93 37.04N–.04 140.69E–.04 10–7 23 0-61
ISCJB X 16 19 35 43.4–.53 37.06N–.03 140.71E–.05 10–3 3.8b,3.3s ¶601998573
JMA X 16 19 35 43.9 37.07N 140.68E 7–1 3.2,3.3s
IDC X 16 19 35 45.8–2.8 36.44N 140.61E 0 3.9,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.4km az=16.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s206.00000°,δ51.00000°,λ-97.00000°. NP2:ϕ_s37.00000°,δ39.00000°,λ-82.00000°. Principal axes: T Plg6.0000°,Azm301.0000°; N Plg5.0000°,Azm210.0000°; P Plg82.0000° ,Azm81.0000°
IDC Error ellipse: s-maj=51.3km s-min=16.2km az=20.0.
ISC X 18 03 55 10.8–.99 36.62N–.03 139.41E–.04 14–7 19 0-60
IDC X 18 03 55 07.3–2.4 36.86N 139.49E 0 4.0,3.7 ¶601998745
ISCJB X 18 03 55 10.6–.60 36.61N–.03 139.43E–.05 14–4 3.8b,3.7
JMA X 18 03 55 11.1 36.63N 139.43E 9 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=15.3km az=1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.9km az=17.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s188.00000°,δ57.00000°,λ60.00000°. NP2:ϕ_s55.00000°,δ44.00000°,λ127.00000°. Principal axes: T Plg64.0000°,Azm43.0000°; N Plg25.0000°,Azm206.0000°; P Plg7.0000° ,Azm299.0000°
JMA X 21 23 00 01.3 35.52N 138.93E 22–1 2.6
¶606048923
ISC X 23 09 18 34.9–.89 36.11N–.04 140.00E–.06 73–7 3.8b 26 0-60
ISCJB X 23 09 18 33.9–.58 36.11N–.04 140.02E–.07 81–4 3.8b ¶601999352
JMA X 23 09 18 35.5–.10 36.12N 139.98E 68–1 3.2
IDC X 23 09 18 36.0–2.2 36.07N 139.91E 84–17 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.4km az=3.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s0.00000°,δ63.00000°,λ87.00000°. NP2: ϕ_s187.00000°,δ27.00000°,λ96.00000°. Principal axes: T Plg72.0000°,Azm262.0000° ; N Plg3.0000°,Azm1.0000°; P Plg18.0000°,Azm92.0000°
IDC Error ellipse: s-maj=36.1km s-min=11.4km az=70.0.
ISC X 27 05 53 54.8–.95 39.81N–.03 140.90E–.05 7–7 3.8b 26 0-146
JMA X 27 05 53 53.8 39.84N 140.85E 3–1 3.3 ¶601999807
ISCJB X 27 05 53 54.2–.51 39.81N–.03 140.91E–.06 12–4 4.1s,3.7b
IDC X 27 05 53 54.2–.85 39.70N 140.96E 0 3.8,3.7b
ISC Event type ke.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s136.00000°,δ74.00000°,λ70.00000°. NP2:ϕ_s8.00000°,δ26.00000°,λ139.00000°. Principal axes: T Plg57.0000°,Azm20.0000°; N Plg19.0000°,Azm142.0000°; P Plg26.0000° ,Azm242.0000°
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=25.5.
IDC Error ellipse: s-maj=28.3km s-min=13.5km az=115.0.
ISC X 27 16 26 21.6–.77 39.76N–.04 141.88E–.06 57–6 3.8b 41 0-76
NIED X 27 16 26 00 39.80N 141.80E 59 4.0W ¶601874219
ISCJB X 27 16 26 20.6–.48 39.74N–.03 141.86E–.07 64–3 3.7b
JMA X 27 16 26 21.6 39.76N 141.85E 58–1 3.9
IDC X 27 16 26 23.1–2.2 39.73N 141.79E 75–18 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ19.00000°,λ129.00000°. NP2:ϕ_s358.00000°,δ75.00000°,λ78.00000°. $M_0$1.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.9km az=11.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s17.00000°,δ60.00000°,λ107.00000°. NP2:ϕ_s166.00000°,δ34.00000°,λ63.00000°. Principal axes: T Plg70.0000°,Azm325.0000°; N Plg15.0000°,Azm188.0000°; P Plg13.0000° ,Azm95.0000°
IDC Error ellipse: s-maj=21.5km s-min=13.1km az=121.0.
ISC X 29 08 00 55.9–1.3 39.46N–.04 141.93E–.08 62–7 3.5b 30 0-60
ISCJB X 29 08 00 55.1–.79 39.45N–.03 141.92E–.08 68–5 3.6b ¶602000242
JMA X 29 08 00 55.8 39.45N 141.90E 65–1 3.2
IDC X 29 08 00 58.3–1.8 40.14N 140.53E 0 3.6,3.6b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.1km az=10.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ89.00000°,λ-30.00000°. NP2:ϕ_s45.00000°,δ60.00000°,λ-179.00000°. Principal axes: T Plg20.0000°,Azm4.0000°; N Plg60.0000°,Azm134.0000°; P Plg21.0000° ,Azm266.0000°
IDC Error ellipse: s-maj=46.4km s-min=25.1km az=85.0.
ISC X 30 19 48 23.5–1.1 36.34N–.10 137.7E–.10 250 18 0-60
ISCJB X 30 19 48 22.8–.56 36.33N–.09 137.7E–.10 250 3.3b ¶602000526
JMA X 30 19 48 23.9–.20 36.26N 137.68E 243–2 3.0
IDC X 30 19 48 24.1–.93 36.32N 137.79E 236–9 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=10.9km az=28.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=59.4km s-min=24.0km az=86.0.
ISC X 30 22 07 26.1–1.1 37.18N–.04 139.84E–.05 120–7 36 0-61
ISCJB X 30 22 07 25.2–.59 37.17N–.04 139.85E–.06 126–4 3.8b ¶602000541
JMA X 30 22 07 25.8–.10 37.18N 139.84E 122–1 2.9
IDC X 30 22 07 25.2–6.0 37.23N 139.99E 119–41 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=31.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=72.7km s-min=48.9km az=68.0.
ISC XI 04 03 41 09.2–.00 35.13N–.08 138.69E–.07 200–8 3.0b 22 0-59
IDC XI 04 03 41 06.4–4.1 34.53N 138.00E 140–75 3.2,3.1 ¶602388789
ISCJB XI 04 03 41 07.6–.69 35.12N–.08 138.72E–.08 208–6 3.0b,3.1
JMA XI 04 03 41 08.1–.30 35.08N 138.74E 207–3 3.4,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=134.9km s-min=24.9km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=9.9km az=26.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XI 16 05 20 41.6 40.04N 140.54E 9–1 3.3
¶606060606
ISC XI 16 05 20 48.1–.89 40.19N–.05 140.61E–.07 31–6 14 0-60
NIED XI 16 05 20 00 40.00N 140.50E 8 3.7W ¶606060610
ISCJB XI 16 05 20 49.3–.68 40.12N–.03 140.63E–.07 33–6 3.4b
IDC XI 16 05 20 50.0–2.3 40.48N 139.95E 55–27 3.4,3.4
JMA XI 16 05 20 50.2 40.04N 140.53E 8–2 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s330.00000°,δ26.00000°,λ79.00000°. NP2:ϕ_s163.00000°,δ65.00000°,λ95.00000°. $M_0$3.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.7km az=173.2.
IDC Error ellipse: s-maj=50.8km s-min=15.6km az=110.0.
JMA Event type fe.
JMA XI 18 05 52 03.2 35.51N 138.95E 20–1 3.0
¶606061402
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s43.00000°,δ82.00000°,λ97.00000°. NP2:ϕ_s178.00000°,δ11.00000°,λ46.00000°. Principal axes: T Plg52.0000°,Azm321.0000°; N Plg7.0000°,Azm222.0000°; P Plg37.0000° ,Azm126.0000°
ISC XI 23 15 51 47.3–.61 36.06N–.04 139.91E–.04 54–5 4.6b,3.7s 210 0-148
NIED XI 23 15 51 00 36.10N 139.90E 53 4.4W,3.7s ¶606063505
ISCJB XI 23 15 51 46.3–.32 36.06N–.03 139.91E–.03 59–2 4.5b,3.7s
JMA XI 23 15 51 47.8–.10 36.07N 139.88E 45–1 4.4,3.7s
NEIC XI 23 15 51 47.7–.50 36.00N 139.83E 58–4 4.9b,3.7s
IDC XI 23 15 51 49.0–1.0 35.99N 139.80E 68–9 4.4,4.2

MOS XI 23 15 51 49.9–.96 36.49N 139.72E 68 4.8b,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ17.00000°,λ124.00000°. NP2:ϕ_s45.00000°,δ76.00000°,λ80.00000°. $M_0$4.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=23.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ68.00000°,λ84.00000°. NP2: ϕ_s242.00000°,δ23.00000°,λ106.00000°. Principal axes: T Plg66.0000°,Azm304.0000° ; N Plg6.0000°,Azm47.0000°; P Plg23.0000°,Azm140.0000°
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=100.0. Felt [III] at Saitama and [II] at Tokyo. Felt in much of east-central Honshu. Recorded [3 JMA] in Ibaraki, Saitama and Tochigi.
IDC Error ellipse: s-maj=11.8km s-min=7.2km az=65.0.
MOS Error ellipse: s-maj=8.1km s-min=5.2km az=107.4.
ISC XI 27 04 36 54.1–.86 39.76N–.04 141.87E–.07 59–6 3.8b 32 0-67
ISCJB XI 27 04 36 53.2–.61 39.76N–.03 141.88E–.08 66–3 3.6b **¶602390037**
JMA XI 27 04 36 54.5 39.76N 141.85E 58–1 3.6
IDC XI 27 04 36 56.6–4.3 39.73N 141.80E 82–41 3.7,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.4km az=8.4.
JMA Event type fe.
IDC Error ellipse: s-maj=31.9km s-min=23.8km az=78.0.
ISC XI 27 11 54 20.0–1.1 39.49N–.05 140.79E–.05 8–10 13 0-31
IDC XI 27 11 54 11.6–11 39.73N 141.72E 0 3.4,3.3 **¶602390059**
ISCJB XI 27 11 54 19.6–.64 39.48N–.05 140.78E–.06 10–6 3.4,3.3
JMA XI 27 11 54 19.7 39.51N 140.75E 9–1 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=133.9km s-min=42.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.2km az=139.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s104.00000°,δ89.00000°,λ-2.00000°. NP2:ϕ_s194.00000°,δ88.00000°,λ-179.00000°. Principal axes: T Plg1.0000°,Azm149.0000°; N Plg88.0000°,Azm266.0000°; P Plg2.0000° ,Azm59.0000°
ISC XI 27 18 54 56.1–1.1 36.11N–.05 139.67E–.09 90–8 3.8b 22 0-60
ISCJB XI 27 18 54 54.9–.72 36.10N–.04 139.7E–.10 99–5 3.6b **¶602390072**
IDC XI 27 18 54 56.9–3.4 36.05N 139.59E 98–17 3.7,3.5
JMA XI 27 18 54 56.7–.10 36.11N 139.69E 85–1 3.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.8km az=173.0.
IDC Error ellipse: s-maj=65.5km s-min=10.6km az=64.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XI 28 12 58 11.4 35.77N 137.56E 10–1 3.2
¶606065368
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s261.00000°,δ87.00000°,λ-160.00000°. NP2:ϕ_s170.00000°,δ70.00000°,λ-3.00000°. Principal axes: T Plg12.0000°,Azm34.0000°; N Plg70.0000°,Azm269.0000°; P Plg16.0000° ,Azm127.0000°
ISC XII 03 20 31 11.5–.94 39.56N–.03 140.51E–.03 10–6 3.9b 33 0-76
NIED XII 03 20 31 00 39.60N 140.50E 5 4.1W **¶601996007**
ISCJB XII 03 20 31 10.8–.47 39.56N–.03 140.48E–.04 16–4 3.7b,3.2s
JMA XII 03 20 31 10.8 39.57N 140.49E 9–1 4.1,3.2s
IDC XII 03 20 31 10.5–.78 39.63N 140.38E 0 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s259.00000°,δ37.00000°,λ-14.00000°. NP2:ϕ_s1.00000°,δ82.00000°,λ-127.00000°. $M_0$1.36000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=26.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s2.00000°,δ84.00000°,λ-164.00000°. NP2:ϕ_s270.00000°,δ74.00000°,λ-7.00000°. Principal axes: T Plg7.0000°,Azm135.0000°; N Plg72.0000°,Azm22.0000°; P Plg16.0000° ,Azm227.0000°
IDC Error ellipse: s-maj=26.6km s-min=16.3km az=110.0.
ISC XII 15 16 18 56.5–1.0 36.19N–.05 139.77E–.04 54–8 24 0-56
ISCJB XII 15 16 18 56.2–.72 36.20N–.04 139.77E–.05 55–7 3.5s,3.2b **¶602391394**
JMA XII 15 16 18 56.4–.10 36.19N 139.79E 55–1 2.9,3.2b
IDC XII 15 16 18 59.2–3.0 35.96N 139.29E 86–36 3.5s,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=140.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=58.8km s-min=25.6km az=109.0.
ISC XII 16 22 55 33.9–1.0 35.17N–.08 138.77E–.07 195–7 3.1b 24 0-55
ISCJB XII 16 22 55 32.8–.64 35.15N–.09 138.80E–.10 199–5 3.0b **¶602391496**
IDC XII 16 22 55 32.2–3.3 34.69N 137.84E 146–56 3.4,3.1
JMA XII 16 22 55 33.7–.20 35.15N 138.78E 195–2 3.1,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=10.7km az=35.9.
IDC Error ellipse: s-maj=117.0km s-min=24.4km az=63.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 17 01 31 30.0–.93 37.57N–.03 140.31E–.03 8–6 3.6b 23 0-78
NIED XII 17 01 31 00 37.60N 140.30E 5 3.9W **¶602391517**
IDC XII 17 01 31 28.9–1.1 37.48N 140.43E 0 3.9,3.5b
IASPE XII 17 01 31 29.8–1.4 37.58N–.03 140.29E–.03 9–11 3.6b,3.5b
ISCJB XII 17 01 31 29.5–.46 37.57N–.03 140.30E–.04 11–3 3.6b,3.5b
JMA XII 17 01 31 29.8 37.58N 140.29E 8–1 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ61.00000°,λ32.00000°. NP2:ϕ_s62.00000°,δ62.00000°,λ147.00000°. $M_0$7.52000×10^{14}
IDC Error ellipse: s-maj=30.4km s-min=14.8km az=143.0.
IASPE Event type ke. Error ellipse: s-maj=4.7km s-min=4.6km az=142.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=154.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s164.00000°,δ80.00000°,λ16.00000°. NP2:ϕ_s71.00000°,δ74.00000°,λ169.00000°. Principal axes: T Plg19.0000°,Azm28.0000°; N Plg71.0000°,Azm196.0000°; P Plg4.0000° ,Azm297.0000°
ISC XII 17 09 48 02.0–1.3 36.88N–.04 139.44E–.04 0–9 3.6b 24 0-91
ISCJB XII 17 09 48 01.2–.60 36.89N–.04 139.45E–.05 8–4 3.7b **¶602046718**
IDC XII 17 09 48 01.6–.81 36.80N 139.47E 0 3.9,3.7
JMA XII 17 09 48 01.4 36.90N 139.44E 3 3.7,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=39.2.
IDC Error ellipse: s-maj=19.8km s-min=10.8km az=153.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s356.00000°,δ83.00000°,λ20.00000°. NP2:ϕ_s263.00000°,δ70.00000°,λ173.00000°. Principal axes: T Plg19.0000°,Azm221.0000°; N Plg69.0000°,Azm14.0000°; P Plg9.0000° ,Azm128.0000°
ISC XII 19 00 15 23.3–.93 36.12N–.05 139.46E–.08 76–7 3.5b 22 0-74
ISCJB XII 19 00 15 23.3–.75 36.12N–.04 139.39E–.09 78–5 3.5b **¶602391642**
IDC XII 19 00 15 23.2–3.1 36.29N 139.56E 72–25 3.6,3.5
JMA XII 19 00 15 25.2–.10 36.11N 139.42E 63–1 3.1,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=7.5km az=2.6.
IDC Error ellipse: s-maj=41.0km s-min=24.3km az=85.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 19 08 02 45.4–.84 35.80N–.08 137.15E–.06 270–7 2.8b 35 0-64
ISCJB XII 19 08 02 44.6–.54 35.79N–.07 137.15E–.07 275–4 3.1b **¶602391659**
JMA XII 19 08 02 45.1–.10 35.82N 137.12E 272–1 3.1
IDC XII 19 08 02 45.5–1.3 35.70N 137.10E 270–13 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.7km az=152.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=29.0km s-min=20.5km az=94.0.
ISC XII 21 09 52 25.6–1.1 36.84N–.04 138.68E–.03 4–9 3.8b 25 0-77
NIED XII 21 09 52 00 36.80N 138.70E 5 3.9W **¶602391805**
ISCJB XII 21 09 52 24.8–.54 36.84N–.03 138.67E–.04 12–4 3.5b
IDC XII 21 09 52 24.6–.94 36.84N 138.70E 0 3.9,3.7
JMA XII 21 09 52 25.5 36.82N 138.69E 5–3 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ66.00000°,λ-175.00000°. NP2:ϕ_s348.00000°,δ86.00000°,λ-24.00000°. $M_0$7.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.3km az=135.5.
IDC Error ellipse: s-maj=29.1km s-min=8.1km az=139.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s339.00000°,δ65.00000°,λ-37.00000°. NP2: ϕ_s86.00000°,δ57.00000°,λ-150.00000°. Principal axes: T Plg5.0000°,Azm34.0000° ; N Plg47.0000°,Azm129.0000°; P Plg43.0000°,Azm299.0000°
JMA XII 21 23 22 32.9 36.33N 138.00E 7–1 0.5
¶606076151
ISC XII 23 11 58 15.9–1.5 37.15N–.05 140.98E–.07 10–8 3.2b 22 0-57
IDC XII 23 11 58 16.6–1.4 36.81N 141.08E 0 3.5,3.3 **¶602391921**
JMA XII 23 11 58 17.3 37.19N 140.89E 9 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=24.6km az=134.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s205.00000°,δ50.00000°,λ-95.00000°. NP2:ϕ_s32.00000°,δ40.00000°,λ-84.00000°. Principal axes: T Plg5.0000°,Azm298.0000°; N Plg4.0000°,Azm208.0000°; P Plg84.0000° ,Azm79.0000°
ISC XII 24 11 26 10.5–1.3 36.85N–.05 138.54E–.04 5–12 16 0-60
ISCJB XII 24 11 26 09.8–.80 36.87N–.05 138.53E–.05 11–6 3.5b **¶602391992**
IDC XII 24 11 26 09.7–1.8 36.85N 138.57E 0 3.7,3.4b
JMA XII 24 11 26 10.9–.10 36.85N 138.57E 3–4 3.3,3.4b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.8km az=141.8.
IDC Error ellipse: s-maj=13.1km s-min=7.6km az=34.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s16.00000°,δ86.00000°,λ-6.00000°. NP2: ϕ_s106.00000°,δ84.00000°,λ-176.00000°. Principal axes: T Plg1.0000°,Azm61.0000° ; N Plg83.0000°,Azm159.0000°; P Plg7.0000°,Azm331.0000°
ISC XII 26 11 44 41.1–1.1 36.83N–.03 138.68E–.03 5–7 3.7b,3.0s 45 0-149
NIED XII 26 11 44 00 36.80N 138.70E 5 4.1W,3.0s **¶602380637**
ISCJB XII 26 11 44 40.5–.48 36.84N–.03 138.66E–.04 12–3 3.7b,3.0s
IDC XII 26 11 44 40.6–.51 36.88N 138.60E 0 3.9,3.9
JMA XII 26 11 44 41.3 36.81N 138.70E 5–3 3.8,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ63.00000°,λ-179.00000°. NP2:ϕ_s337.00000°,δ89.00000°,λ-27.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.0km az=31.9.
IDC Error ellipse: s-maj=15.1km s-min=6.4km az=123.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s332.00000°,δ73.00000°,λ-20.00000°. NP2: ϕ_s68.00000°,δ71.00000°,λ-162.00000°. Principal axes: T Plg1.0000°,Azm20.0000° ; N Plg64.0000°,Azm112.0000°; P Plg26.0000°,Azm290.0000°
ISC XII 31 15 44 09.7–.89 36.21N–.09 137.1E–.10 258–7 3.6b 21 0-93
ISCJB XII 31 15 44 08.9–.60 36.20N–.07 137.1E–.10 264–5 3.5b **¶602380499**
IDC XII 31 15 44 09.7–.78 36.15N 137.05E 257–8 4.0,3.6
JMA XII 31 15 44 09.6–.20 36.20N 137.21E 258–2 2.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=9.8km az=26.5.
IDC Error ellipse: s-maj=26.2km s-min=19.6km az=86.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu.

ISC VII 01 04 09 52.2–.87 36.96N–.03 140.53E–.04 12–6 3.7b 25 0-147
NIED VII 01 04 09 00 36.90N 140.60E 5 3.5W **¶601663345**
IDC VII 01 04 09 50.7–.90 36.98N 140.49E 0 3.7,3.6
ISCJB VII 01 04 09 51.7–.48 36.95N–.03 140.62E–.05 20–4 3.6b,3.6
JMA VII 01 04 09 52.5 36.96N 140.54E 8–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ22.00000°,λ-94.00000°. NP2:ϕ_s123.00000°,δ69.00000°,λ-88.00000°. $M_0$1.76000×10^{14}
IDC Error ellipse: s-maj=25.2km s-min=18.3km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.0km az=23.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s139.00000°,δ60.00000°,λ-79.00000°. NP2:ϕ_s298.00000°,δ32.00000°,λ-108.00000°. Principal axes: T Plg14.0000°,Azm221.0000°; N Plg10.0000°,Azm313.0000°; P Plg73.0000° ,Azm77.0000°
ISC VII 01 13 14 12.0–1.4 39.85N–.04 142.33E–.10 44–11 3.8b 28 0-67
NIED VII 01 13 14 00 39.80N 142.30E 50 3.6W **¶601663361**
ISCJB VII 01 13 14 11.1–.98 39.86N–.04 142.4E–.10 51–7 3.7b
JMA VII 01 13 14 12.8–.10 39.84N 142.25E 43–1 3.6
IDC VII 01 13 14 12.9–2.5 39.96N 142.58E 59–22 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ24.00000°,λ91.00000°. NP2:ϕ_s20.00000°,δ66.00000°,λ89.00000°. $M_0$3.11000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=6.3km az=2.3.
IDC Error ellipse: s-maj=33.5km s-min=14.6km az=91.0.
ISC VII 01 15 13 22.0–2.2 36.64N–.05 141.73E–.08 14–11 3.5b 26 1-57
NIED VII 01 15 13 00 36.70N 141.50E 44 3.5W **¶601663363**
JMA VII 01 15 13 25.9–.10 36.68N 141.51E 40–3 3.5
IDC VII 01 15 13 25.5–2.8 36.58N 141.77E 44–24 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ22.00000°,λ145.00000°. NP2:ϕ_s344.00000°,δ78.00000°,λ72.00000°. $M_0$2.36000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.0km s-min=13.5km az=73.0.
ISC VII 02 02 06 20.6–1.4 40.03N–.03 142.05E–.05 6–8 4.2b,3.6s 86 0-144
NIED VII 02 02 06 00 40.00N 142.00E 5 4.2W,3.6s **¶605671870**
IDC VII 02 02 06 19.4–.67 39.99N 142.12E 0 4.0,3.9
ISCJB VII 02 02 06 20.1–.78 40.03N–.02 142.04E–.04 13–4 4.1b,3.5s
JMA VII 02 02 06 21.3 40.03N 141.96E 9 4.5,3.5s
NEIC VII 02 02 06 25.1–.76 40.00N 142.13E 40–6 4.5b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s94.00000°,δ28.00000°,λ-83.00000°. NP2:ϕ_s265.00000°,δ62.00000°,λ-94.00000°. $M_0$2.53000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=14.2km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=10.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s269.00000°,δ51.00000°,λ-83.00000°. NP2:ϕ_s78.00000°,δ39.00000°,λ-98.00000°. Principal axes: T Plg6.0000°,Azm354.0000°; N Plg5.0000°,Azm85.0000°; P Plg82.0000° ,Azm214.0000°
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.8km az=106.0. Recorded [4 JMA] in Iwate.
ISC VII 02 06 23 27.3–.50 37.48N–.04 141.66E–.04 44–4 4.5b,3.5s 293 1-146
NIED VII 02 06 23 00 37.50N 141.70E 44 4.4W,3.5s **¶601221120**
BJI VII 02 06 23 25.3 37.42N 141.64E 50 4.8b,4.8b
ISCJB VII 02 06 23 26.6–.40 37.48N–.03 141.57E–.03 51–3 4.5b,3.5s
JMA VII 02 06 23 26.9–.10 37.48N 141.59E 46–2 4.4,3.5s
MOS VII 02 06 23 26.2–.85 37.72N 141.45E 33 4.7b,3.5s
IDC VII 02 06 23 27.7–.53 37.45N 141.54E 46–4 4.5,4.3
NEIC VII 02 06 23 29.1–.52 37.48N 141.49E 58–4 4.4b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ16.00000°,λ86.00000°. NP2:ϕ_s23.00000°,δ74.00000°,λ91.00000°. $M_0$4.66000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=40.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.7km az=103.3.
IDC Error ellipse: s-maj=11.9km s-min=9.0km az=270.7.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=134.0. Recorded [3 JMA] in Fukushima.
ISC VII 02 21 09 47.6–1.4 35.81N–.05 141.2E–.10 26 3.6b 15 0-60
IDC VII 02 21 09 41.9–2.3 35.91N 141.60E 0 3.6b,3.5 **¶601663411**
ISCJB VII 02 21 09 45.3–1.0 35.75N–.06 141.4E–.10 26 3.6b,3.5
JMA VII 02 21 09 48.7–.10 35.75N 141.04E 35–1 2.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=22.6km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.8km az=170.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 02 23 07 33.8–.10 38.46N 142.26E 24–1 3.5
NIED VII 02 23 07 00 38.50N 142.30E 92 3.6W **¶603633430**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ34.00000°,λ-113.00000°. NP2:ϕ_s307.00000°,δ59.00000°,λ-75.00000°. $M_0$3.22000×10^{14}

ISC VII 03 02 47 20.1–1.8 36.87N–.03 141.31E–.07 2–11 3.6b 31 0-57
IDC VII 03 02 47 19.8–1.4 36.86N 141.30E 0 3.7,3.6 **¶601663418**
ISCJB VII 03 02 47 20.0–1.1 36.86N–.03 141.43E–.06 15–7 3.6b,3.6
JMA VII 03 02 47 21.3 36.87N 141.35E 29–1 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=22.1km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=8.6.
JMA VII 03 03 31 58.2–.10 38.43N 142.09E 27–1 3.5
NIED VII 03 03 31 00 38.40N 142.10E 5 3.4W **¶603633498**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s290.00000°,δ65.00000°,λ-180.00000°. NP2:ϕ_s200.00000°,δ90.00000°,λ-25.00000°. $M_0$1.41000×10^{14}
ISC VII 03 04 10 51.1–.97 38.06N–.05 141.93E–.07 30 3.8s,3.7b 23 1-89
IDC VII 03 04 10 47.7–1.1 38.14N 142.47E 0 3.8,3.8 **¶601663421**
ISCJB VII 03 04 10 50.0–.78 38.02N–.05 141.89E–.08 30 3.8s,3.5b
JMA VII 03 04 10 49.1–.10 38.01N 141.97E 52–1 2.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=25.0km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.7km az=162.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 03 04 10 55.8–.10 38.03N 141.90E 49–1 3.8
¶603633521
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 03 04 22 17.4–.51 38.02N–.04 142.03E–.05 43–4 4.3b,3.7s 174 1-146
NIED VII 03 04 22 00 38.00N 141.90E 47 4.4W,3.7s **¶601258033**
BJI VII 03 04 22 14.3 37.85N 142.21E 50 4.8b,4.6b
ISCJB VII 03 04 22 15.3–.49 38.00N–.02 142.05E–.04 41–4 4.3b,3.6s
MOS VII 03 04 22 15.5–1.1 38.01N 142.04E 42 4.4b,3.6s
JMA VII 03 04 22 17.3–.10 38.03N 141.87E 46–1 4.4,3.6s
NEIC VII 03 04 22 17.5–.27 38.01N 142.04E 44 4.5b,3.6s
IDC VII 03 04 22 17.8–.55 38.01N 141.90E 44–5 4.2,4.2L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ25.00000°,λ126.00000°. NP2:ϕ_s315.00000°,δ70.00000°,λ75.00000°. $M_0$4.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=21.5.
MOS Error ellipse: s-maj=9.4km s-min=6.1km az=86.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=120.0. Felt at Atsugi. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.0km s-min=9.7km az=107.0.
JMA VII 03 11 56 33.8–.10 37.38N 141.90E 45–3 3.5
¶603633638
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 03 16 57 19.1–1.8 36.43N–.05 141.22E–.07 23–13 3.6b 30 1-60
NIED VII 03 16 57 00 36.40N 141.20E 32 3.6W **¶601663440**
JMA VII 03 16 57 21.0–.10 36.43N 141.10E 45–1 3.6
IDC VII 03 16 57 21.9–2.4 36.40N 141.22E 45–23 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s109.00000°,δ25.00000°,λ-38.00000°. NP2:ϕ_s234.00000°,δ75.00000°,λ-110.00000°. $M_0$2.86000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=20.0km s-min=17.9km az=83.0.
ISC VII 03 21 04 03.5–1.1 34.49N–.05 140.40E–.06 52–11 21 0-54
ISCJB VII 03 21 04 02.8–.73 34.50N–.04 140.40E–.06 61–8 3.6b **¶601663446**
IDC VII 03 21 04 02.5–1.3 33.82N 138.59E 0 3.7,3.6b
JMA VII 03 21 04 03.2–.20 34.51N 140.39E 55–3 2.9,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.9km az=163.1.
IDC Error ellipse: s-maj=38.3km s-min=18.3km az=45.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 04 02 25 09.8–.10 36.70N 140.79E 46–1 3.6
¶603634061
JMA Event type fe.
ISC VII 04 06 03 24.5–.97 36.65N–.04 140.98E–.07 42–8 4.0b 50 0-91
NIED VII 04 06 03 00 36.70N 141.00E 53 3.9W **¶601505931**
ISCJB VII 04 06 03 23.6–.51 36.64N–.03 140.99E–.06 52–3 4.0b,2.7s
JMA VII 04 06 03 24.6–.10 36.64N 140.93E 49–1 4.0,2.7s
IDC VII 04 06 03 30.1–1.8 36.61N 140.66E 96–15 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ23.00000°,λ107.00000°. NP2:ϕ_s11.00000°,δ68.00000°,λ83.00000°. $M_0$9.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.5km az=18.7.
JMA Event type fe.
IDC Error ellipse: s-maj=16.0km s-min=14.3km az=108.0.
ISC VII 04 13 28 49.3–.62 40.98N–.03 142.02E–.04 62–4 4.5b 150 0-145
NIED VII 04 13 28 00 41.00N 142.00E 56 4.1W **¶601242099**
BJI VII 04 13 28 45.2 41.11N 142.77E 80 4.9b,4.7b
ISCJB VII 04 13 28 48.3–.34 41.00N–.02 142.04E–.04 66–2 4.3b,4.7b
MOS VII 04 13 28 48.5–.93 40.96N 142.12E 73 4.6b,4.7b
JMA VII 04 13 28 49.2–.10 40.98N 142.01E 57–2 4.0,4.7b
NEIC VII 04 13 28 50.9–.61 41.05N 142.00E 74–5 4.6b,4.7b
IDC VII 04 13 28 50.3–1.5 40.96N 142.08E 75–12 4.3,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ93.00000°. $M_0$1.87000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=28.0.
MOS Error ellipse: s-maj=8.8km s-min=6.0km az=97.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ76.00000°,λ96.00000°. NP2:ϕ_s183.00000°,δ15.00000°,λ68.00000°. Principal axes: T Plg58.0000°,Azm303.0000°; N Plg5.0000°,Azm204.0000°; P Plg31.0000°,Azm111.0000°
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=118.0.
IDC Error ellipse: s-maj=16.2km s-min=9.5km az=108.0.
JMA VII 04 15 01 51.4 36.86N 140.67E 10 2.6
¶603634347
ISC VII 04 17 33 55.2–.97 40.93N–.04 141.97E–.06 93–7 3.7b 34 0-65
IDC VII 04 17 33 53.9–2.7 40.82N 142.33E 87–25 3.4,3.2 **¶601663484**
ISCJB VII 04 17 33 54.2–.52 40.94N–.03 141.96E–.06 99–5 3.5b,3.2
JMA VII 04 17 33 55.2–.10 40.95N 141.98E 92–1 3.2,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=42.9km s-min=22.6km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.8km az=24.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA VII 04 20 05 24.7–.30 36.67N 141.65E 51–5 3.0
¶605673247
JMA Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
JMA VII 05 01 42 58.1–.10 38.56N 142.36E 43–1 3.7
NIED VII 05 01 42 00 38.60N 142.40E 53 3.5W **¶603634624**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s76.00000°,δ47.00000°,λ120.00000°. NP2:ϕ_s216.00000°,δ51.00000°,λ62.00000°. $M_0$2.15000×10^{14}
ISC VII 05 07 28 51.9–1.7 39.02N–.04 142.39E–.06 10–10 3.6b 33 1-76
NIED VII 05 07 28 00 39.00N 142.40E 32 3.7W **¶601663504**
ISCJB VII 05 07 28 51.6–1.1 39.00N–.03 142.46E–.06 19–6 3.5b,2.6s
JMA VII 05 07 28 53.0–.10 39.04N 142.38E 31–1 3.8,2.6s
IDC VII 05 07 28 56.7–2.7 38.99N 142.44E 52–25 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s108.00000°,δ44.00000°,λ-35.00000°. NP2:ϕ_s225.00000°,δ67.00000°,λ-128.00000°. $M_0$3.57000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.7km az=22.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=11.1km az=116.0.
ISC VII 05 09 20 03.8–2.3 37.07N–.04 141.61E–.06 5–14 3.5b 34 1-57
NIED VII 05 09 20 00 37.20N 141.40E 35 3.6W **¶601663509**
IDC VII 05 09 20 08.7–1.9 36.97N 141.91E 50–20 3.6,3.4
JMA VII 05 09 20 09.3–.10 37.19N 141.38E 48–1 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ34.00000°,λ101.00000°. NP2:ϕ_s230.00000°,δ57.00000°,λ82.00000°. $M_0$2.70000×10^{14}
IDC Error ellipse: s-maj=16.0km s-min=11.4km az=93.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC VII 05 18 00 25.6–1.1 35.20N–.05 141.18E–.10 48 3.6b 22 1-59
JMA VII 05 18 00 23.2–.10 35.23N 141.22E 37–2 3.1 **¶603634969**
ISCJB VII 05 18 00 24.1–.80 35.19N–.04 141.16E–.09 48 3.6b
IDC VII 05 18 00 29.5–1.1 34.21N 138.27E 0 3.7,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.9km az=174.5.
IDC Error ellipse: s-maj=41.2km s-min=16.3km az=62.0.
ISC VII 05 21 05 55.3–.74 38.16N–.04 141.76E–.07 59–6 3.9b 57 0-89
NIED VII 05 21 05 00 38.20N 141.70E 50 3.9W **¶601505941**
ISCJB VII 05 21 05 52.9–.68 38.15N–.03 141.81E–.07 55–5 3.9b
JMA VII 05 21 05 54.5–.10 38.18N 141.70E 51–1 3.7
IDC VII 05 21 05 56.7–.90 38.09N 141.59E 70–5 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ26.00000°,λ113.00000°. NP2:ϕ_s17.00000°,δ66.00000°,λ79.00000°. $M_0$7.32000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.5km az=19.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=89.0.
ISC VII 07 06 46 41.0–1.9 37.64N–.04 141.95E–.08 24–12 3.8b 31 1-74
NIED VII 07 06 46 00 37.70N 141.70E 62 3.9W **¶601663578**
IDC VII 07 06 46 36.6–1.4 37.77N 142.11E 0 3.9,3.8
JMA VII 07 06 46 44.4 37.66N 141.74E 47–1 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ44.00000°,λ70.00000°. NP2:ϕ_s258.00000°,δ49.00000°,λ108.00000°. $M_0$8.37000×10^{14}
IDC Error ellipse: s-maj=35.7km s-min=21.3km az=79.0.
ISC VII 07 11 46 59.6–1.5 38.81N–.06 142.19E–.10 47–13 3.9b 33 0-73
ISCJB VII 07 11 46 58.5–.90 38.84N–.04 142.19E–.09 53–6 3.9b **¶601663589**
JMA VII 07 11 47 00.6–.10 38.86N 142.05E 46–1 3.9
NIED VII 07 11 47 00 38.90N 142.10E 53 3.7W
IDC VII 07 11 47 01.3–2.3 38.88N 142.36E 70–19 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=6.4km az=15.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ24.00000°,λ77.00000°. NP2:ϕ_s24.00000°,δ66.00000°,λ96.00000°. $M_0$4.24000×10^{14}
IDC Error ellipse: s-maj=21.3km s-min=13.3km az=105.0.
ISC VII 07 17 18 35.8–.88 35.58N–.05 140.29E–.06 67–8 3.6b 44 0-59
IDC VII 07 17 18 25.4–2.1 35.89N 141.15E 0 4.2L,3.8 **¶601556023**
NEIC VII 07 17 18 34.2–.70 35.63N 140.51E 52–7 4.5b,3.8
ISCJB VII 07 17 18 35.6–.53 35.54N–.04 140.23E–.06 74–4 3.8b,3.8
JMA VII 07 17 18 35.8–.20 35.65N 140.20E 67–2 3.1,3.8
ISC Event type se.
IDC Error ellipse: s-maj=61.8km s-min=18.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.6km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=144.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 08 15 54 17.2–2.0 35.98N–.05 141.27E–.08 3–14 17 0-60
ISCJB VII 08 15 54 19.5–1.4 36.09N–.04 141.28E–.08 12–8 3.6b **¶601664293**
IDC VII 08 15 54 19.5–3.1 36.11N 141.22E 0 3.6,3.5b
JMA VII 08 15 54 20.7–.20 36.05N 141.19E 29–2 3.2,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.9km az=172.9.
IDC Error ellipse: s-maj=56.6km s-min=35.1km az=50.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 08 17 03 30.2–2.1 37.48N–.04 141.79E–.07 13–11 3.4b 30 1-90
ISCJB VII 08 17 03 27.5–1.2 37.52N–.04 141.99E–.05 1–7 3.4b **¶601664297**
IDC VII 08 17 03 28.5–1.3 37.40N 142.16E 0 3.6,3.4
JMA VII 08 17 03 29.4–.10 37.51N 141.97E 25–2 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.4km az=41.0.
IDC Error ellipse: s-maj=30.0km s-min=20.3km az=134.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 08 19 33 55.2–1.4 35.39N–.05 141.32E–.10 25 18 0-59
IDC VII 08 19 33 51.4–1.7 35.37N 141.45E 0 3.5b,3.4 **¶601664306**
ISCJB VII 08 19 33 52.6–.94 35.41N–.05 141.49E–.08 25 3.5b,2.9s
JMA VII 08 19 33 55.5–.10 35.38N 141.24E 31–2 2.6,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=23.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.0km az=162.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 09 00 49 21.6–2.1 36.41N–.07 141.01E–.08 3–11 3.4s,3.4b 20 0-91
IDC VII 09 00 49 21.0–1.4 36.06N 141.21E 0 3.6,3.5 **¶601664317**
ISCJB VII 09 00 49 21.2–1.5 36.42N–.07 141.04E–.08 0–7 3.5b,3.4s
JMA VII 09 00 49 21.5 36.39N 141.02E 20–1 3.4,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=27.7km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.4km az=142.9.
ISC VII 09 04 01 54.2–.64 38.64N–.04 142.19E–.05 47–5 4.6b,3.8s 320 1-145
NIED VII 09 04 01 00 38.70N 142.20E 41 4.5W,3.8s **¶601246367**
BJI VII 09 04 01 48.6 38.32N 142.47E 39 4.8b,4.7b
ISCJB VII 09 04 01 53.4–.46 38.66N–.02 142.11E–.04 51–3 4.6b,3.8s
JMA VII 09 04 01 53.4–.10 38.66N 142.15E 42–1 4.5,3.8s
MOS VII 09 04 01 54.2–1.0 38.76N 142.02E 53 5.0b,4.0s
NEIC VII 09 04 01 54.9–.46 38.66N 142.14E 51–4 4.7b,4.0s
IDC VII 09 04 01 55.9–1.7 38.65N 142.03E 60–14 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ21.00000°,λ83.00000°. NP2:ϕ_s28.00000°,δ69.00000°,λ93.00000°. $M_0$6.56000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=28.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ72.00000°,λ102.00000°. NP2:ϕ_s192.00000°,δ21.00000°,λ57.00000°. Principal axes: T Plg61.0000°,Azm334.0000°; N Plg11.0000°,Azm223.0000°; P Plg26.0000°,Azm127.0000°
MOS Error ellipse: s-maj=7.6km s-min=4.8km az=118.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=132.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.4km s-min=9.7km az=113.0.
JMA VII 09 07 15 40.8–.10 35.87N 140.26E 36–1 2.4
¶603636824
ISC VII 09 16 56 18.9–1.3 38.54N–.05 141.9E–.10 48–10 3.6b 34 0-62
NIED VII 09 16 56 00 38.50N 141.80E 56 3.6W **¶601664341**
ISCJB VII 09 16 56 18.2–.75 38.52N–.04 141.79E–.10 63–5 3.7b
IDC VII 09 16 56 19.4–2.4 38.56N 141.86E 58–21 3.6,3.4
JMA VII 09 16 56 20.0–.10 38.54N 141.72E 54–1 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ33.00000°,λ129.00000°. NP2:ϕ_s27.00000°,δ65.00000°,λ67.00000°. $M_0$2.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=5.7km az=17.7.
IDC Error ellipse: s-maj=30.0km s-min=16.1km az=89.0.
JMA Event type fe.
ISC VII 09 18 47 44.5–1.2 40.36N–.04 142.20E–.09 53–9 3.8b 35 0-72
NIED VII 09 18 47 00 40.40N 142.10E 53 3.8W **¶601664346**
ISCJB VII 09 18 47 44.2–.70 40.38N–.03 142.11E–.09 61–4 3.8b
JMA VII 09 18 47 45.5–.10 40.35N 142.08E 50–1 3.9
IDC VII 09 18 47 46.5–1.8 40.39N 142.18E 72–15 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s22.00000°,δ69.00000°,λ92.00000°. $M_0$4.99000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.5km az=4.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=11.7km az=96.0.
ISC VII 09 20 34 44.9–1.1 35.64N–.05 140.77E–.10 51–8 3.4b 18 0-59
IDC VII 09 20 34 36.3–2.0 35.83N 141.37E 0 3.6,3.5 **¶601664350**
ISCJB VII 09 20 34 43.7–.79 35.64N–.05 140.8E–.10 58–5 3.4b,3.5
JMA VII 09 20 34 45.4–.20 35.65N 140.64E 45–2 2.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=57.8km s-min=20.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=7.6km az=161.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA VII 09 23 15 32.9–.10 38.59N 142.22E 37–2 3.5
NIED VII 09 23 15 00 38.60N 142.20E 56 3.8W **¶603637254**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ43.00000°,λ-22.00000°. NP2:ϕ_s144.00000°,δ75.00000°,λ-131.00000°. $M_0$6.28000×10^{14}
JMA VII 10 04 11 27.8–.10 38.85N 142.05E 46–1 3.5
¶603637422
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 10 13 43 56.1–1.1 35.80N–.04 140.97E–.06 15–6 3.6b 24 0-60
NIED VII 10 13 43 00 35.80N 141.00E 11 3.4W **¶601664387**
ISCJB VII 10 13 43 53.4–1.3 35.79N–.04 141.19E–.07 12–7 3.7b
IDC VII 10 13 43 53.4–1.5 35.77N 141.10E 0 3.7,3.6
JMA VII 10 13 43 55.8–.20 35.79N 141.04E 16–1 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ42.00000°,λ-78.00000°. NP2:ϕ_s183.00000°,δ49.00000°,λ-100.00000°. $M_0$1.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.8km az=167.0.
IDC Error ellipse: s-maj=38.2km s-min=17.2km az=80.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s330.00000°,δ87.00000°,λ-130.00000°. NP2: ϕ_s237.00000°,δ41.00000°,λ-5.00000°. Principal axes: T Plg30.0000°,Azm92.0000° ; N Plg40.0000°,Azm333.0000°; P Plg35.0000°,Azm206.0000°
ISC VII 10 15 04 26.1–1.8 35.83N–.05 141.59E–.05 9–11 3.9b 46 1-152
NIED VII 10 15 04 00 35.90N 141.50E 29 3.9W **¶601405502**
ISCJB VII 10 15 04 25.5–1.0 35.83N–.04 141.70E–.05 19–7 4.0b,2.6s
IDC VII 10 15 04 25.1–.58 35.81N 141.50E 0 3.9,3.8
NEIC VII 10 15 04 26.4–.39 35.80N 141.54E 10 4.3b,3.8
JMA VII 10 15 04 28.5–.20 35.89N 141.54E 35–2 3.6,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s249.00000°,δ43.00000°,λ-120.00000°. NP2:ϕ_s107.00000°,δ54.00000°,λ-65.00000°. $M_0$7.30000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=2.8.
IDC Error ellipse: s-maj=17.3km s-min=13.1km az=112.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.8km az=111.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 10 20 19 48.1–1.7 40.20N–.03 142.01E–.08 7–11 3.7b 26 0-64
NIED VII 10 20 19 00 40.20N 142.00E 5 3.7W **¶601664399**
ISCJB VII 10 20 19 48.2–.85 40.18N–.03 141.98E–.08 23–6 3.7b,2.5s
JMA VII 10 20 19 48.1 40.20N 141.99E 12–1 3.7,2.5s
IDC VII 10 20 19 53.4–2.0 40.19N 141.99E 57–21 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ31.00000°,λ-106.00000°. NP2:ϕ_s284.00000°,δ60.00000°,λ-80.00000°. $M_0$4.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.0km az=174.4.
JMA Event type fe.
IDC Error ellipse: s-maj=32.7km s-min=13.0km az=95.0.
ISC VII 10 22 58 46.9–1.9 38.10N–.05 142.27E–.07 10–10 3.6b 30 1-58
NIED VII 10 22 58 00 38.20N 142.30E 29 3.5W **¶601664404**
JMA VII 10 22 58 50.0–.20 38.21N 142.34E 37–2 3.8
IDC VII 10 22 58 52.6–3.7 38.14N 142.63E 64–27 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ9.00000°,λ-33.00000°. NP2:ϕ_s201.00000°,δ85.00000°,λ-98.00000°. $M_0$2.31000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=35.6km s-min=19.7km az=115.0.
ISC VII 11 02 43 52.9–.89 36.72N–.03 140.56E–.04 9–6 3.9b 32 0-91
ISCJB VII 11 02 43 52.1–.58 36.69N–.03 140.71E–.06 16–4 3.8b **¶601261272**
JMA VII 11 02 43 52.9 36.72N 140.64E 6 3.5
IDC VII 11 02 43 58.1–2.9 36.72N 140.45E 49–28 3.8,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=17.7.
JMA Event type fe.
IDC Error ellipse: s-maj=23.5km s-min=17.0km az=92.0.
ISC VII 11 02 58 53.1–.88 35.66N–.05 140.73E–.06 43–8 3.6b 26 0-79
ISCJB VII 11 02 58 52.6–.52 35.66N–.04 140.72E–.06 52–4 3.6b **¶601664414**
JMA VII 11 02 58 53.2–.10 35.73N 140.69E 47–1 3.2
IDC VII 11 02 58 54.0–2.4 35.56N 140.66E 51–25 4.0L,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.3km az=158.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=8.4km az=66.0.
ISC VII 11 10 54 33.0–1.1 35.85N–.03 141.06E–.05 14–6 4.5b 130 0-148
NIED VII 11 10 54 00 35.90N 141.10E 11 4.1W **¶601261450**
IDC VII 11 10 54 30.7–.50 35.71N 140.91E 0 4.3,4.2
ISCJB VII 11 10 54 32.3–.61 35.82N–.03 141.06E–.04 20–3 4.5b,4.2
NEIC VII 11 10 54 32.7–2.5 35.79N 141.00E 12–16 4.6b,4.2
JMA VII 11 10 54 32.9–.20 35.80N 141.02E 17–1 4.4,4.2
BJI VII 11 10 54 33.9 35.93N 141.10E 32 4.9b,4.6b
MOS VII 11 10 54 34.2–1.2 35.88N 140.93E 33 4.6b,4.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ33.00000°,λ-106.00000°. NP2:ϕ_s23.00000°,δ59.00000°,λ-80.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=14.7km s-min=11.4km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=6.6.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.9km az=117.0. Felt at Mito and Tsuchiura. Recorded [2 JMA] in Chiba and Ibaraki.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s197.00000°,δ73.00000°,λ-20.00000°. NP2: ϕ_s293.00000°,δ70.00000°,λ-162.00000°. Principal axes: T Plg2.0000°,Azm245.0000° ; N Plg64.0000°,Azm339.0000°; P Plg26.0000°,Azm154.0000°
MOS Error ellipse: s-maj=11.2km s-min=6.2km az=104.5.
JMA VII 11 10 56 36.2–.20 37.35N 141.95E 33–3 3.6
¶603638533
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 12 05 53 11.0–1.0 35.29N–.04 141.18E–.08 10 3.6b 19 0-91
ISCJB VII 12 05 53 08.8–.99 35.31N–.05 141.4E–.10 10 3.5b **¶603638982**
JMA VII 12 05 53 10.7–.10 35.30N 141.28E 19–2 3.3
IDC VII 12 05 53 17.8–1.1 34.15N 138.56E 0 3.7,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.6km az=156.7.
IDC Error ellipse: s-maj=44.1km s-min=19.3km az=75.0.
ISC VII 12 11 03 22.9–1.1 35.48N–.05 140.18E–.07 61–13 14 1-59
ISCJB VII 12 11 03 22.0–.72 35.46N–.05 140.20E–.08 70–9 3.3b **¶603639072**
IDC VII 12 11 03 22.6–3.2 35.47N 140.27E 62–24 3.3,3.2
JMA VII 12 11 03 23.3–.10 35.51N 140.11E 59–2 2.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=8.4km az=178.8.
IDC Error ellipse: s-maj=41.3km s-min=7.8km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 13 05 14 23.3–1.4 38.76N–.04 142.50E–.05 31–9 4.5b,3.6s 105 1-149
NIED VII 13 05 14 00 38.80N 142.50E 44 4.3W,3.6s **¶601271883**
BJI VII 13 05 14 21.7 38.78N 142.51E 36 4.9b,4.6b
NEIC VII 13 05 14 24.9–.30 38.92N 142.40E 35 4.6b,4.6b
JMA VII 13 05 14 24.1–.10 38.80N 142.46E 44–2 4.5,4.6b
IDC VII 13 05 14 26.1–2.6 38.76N 142.32E 55–22 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ21.00000°,λ107.00000°. NP2:ϕ_s219.00000°,δ70.00000°,λ84.00000°. $M_0$3.63000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=5.2km az=155.0. Recorded [3 JMA] in Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=16.0km az=160.0.
ISC VII 13 14 42 15.0–1.7 38.33N–.04 142.17E–.06 12–10 4.1b,3.4s 46 1-89
NIED VII 13 14 42 00 38.40N 142.30E 32 4.0W,3.4s **¶601664529**
ISCJB VII 13 14 42 15.1–1.0 38.34N–.03 142.26E–.05 25–6 3.9b,3.3s
JMA VII 13 14 42 17.0–.10 38.43N 142.21E 34–1 4.2,3.3s
IDC VII 13 14 42 18.3–3.8 38.33N 142.11E 33–30 4.0,4.0L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s144.00000°,δ39.00000°,λ-45.00000°. NP2:ϕ_s272.00000°,δ64.00000°,λ-120.00000°. $M_0$1.10000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=21.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=18.4km s-min=11.1km az=90.0.
ISC VII 13 20 50 45.8–1.8 36.44N–.05 141.83E–.06 8–11 3.6b 30 1-90
IDC VII 13 20 50 44.8–1.1 36.39N 142.02E 0 3.7,3.7 **¶601664543**
ISCJB VII 13 20 50 46.0–1.3 36.39N–.04 141.92E–.08 19–9 3.6b,3.3s
JMA VII 13 20 50 50.1–.20 36.45N 141.62E 58–4 3.0,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=17.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.8km az=7.3.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 14 02 06 17.9–.96 36.93N–.05 141.06E–.07 94–6 3.5b 37 0-74
NIED VII 14 02 06 00 37.00N 141.00E 80 3.5W **¶603639920**
ISCJB VII 14 02 06 16.7–.64 36.93N–.04 141.10E–.07 97–3 3.5b
JMA VII 14 02 06 18.6–.10 36.97N 141.01E 91–1 3.8
IDC VII 14 02 06 19.8–2.8 36.76N 140.93E 116–29 3.6,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ41.00000°,λ-157.00000°. NP2:ϕ_s39.00000°,δ75.00000°,λ-51.00000°. $M_0$2.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.7km az=23.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=33.4km s-min=20.5km az=61.0.
ISC VII 14 13 49 55.3–1.1 35.03N–.05 141.36E–.08 27 3.4b 20 0-59
IDC VII 14 13 49 54.1–1.7 34.92N 141.71E 0 3.5,3.4 **¶601664569**
ISCJB VII 14 13 49 56.7–1.2 34.87N–.06 141.4E–.10 27 3.5b,3.4
JMA VII 14 13 49 57.4–.20 34.98N 141.32E 40 2.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=22.1km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=8.4km az=174.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 14 14 49 31.8–1.9 39.09N–.04 142.45E–.08 24–12 4.2s,4.0b 41 1-73
NIED VII 14 14 49 00 39.10N 142.40E 35 3.9W,4.0b **¶601664571**
ISCJB VII 14 14 49 32.0–.96 39.09N–.03 142.40E–.09 41–8 4.3s,3.9b
JMA VII 14 14 49 32.1–.10 39.13N 142.40E 34–1 4.1,3.9b
IDC VII 14 14 49 36.2–2.4 39.04N 142.36E 66–21 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ16.00000°,λ-100.00000°. NP2:ϕ_s185.00000°,δ74.00000°,λ-87.00000°. $M_0$7.90000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.4km az=11.8.
JMA Event type fe.
IDC Error ellipse: s-maj=19.2km s-min=14.0km az=87.0.
ISC VII 14 21 07 33.3–1.4 35.46N–.06 141.2E–.10 35 3.5b 20 0-59
ISCJB VII 14 21 07 31.8–1.0 35.44N–.05 141.2E–.10 35 3.5b **¶603640425**
JMA VII 14 21 07 31.6–.20 35.46N 141.22E 33–2 3.0
IDC VII 14 21 07 38.5–1.2 34.49N 138.22E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.2km az=162.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=43.6km s-min=18.3km az=65.0.
ISC VII 15 06 44 39.5–1.1 35.84N–.05 140.93E–.08 24–7 3.4b 21 0-60
IDC VII 15 06 44 36.1–1.2 35.79N 141.03E 0 3.5,3.3 **¶601664608**
ISCJB VII 15 06 44 37.2–1.0 35.85N–.04 141.14E–.09 23–6 3.4b,3.3
JMA VII 15 06 44 38.8–.20 35.82N 140.97E 29–1 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=20.4km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.7km az=171.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 16 06 02 03.0–1.6 38.96N–.03 142.42E–.06 13–9 3.9b 35 1-88
NIED VII 16 06 02 00 39.00N 142.50E 32 3.6W **¶601664659**
JMA VII 16 06 02 04.7–.10 39.02N 142.41E 32–2 3.8
IDC VII 16 06 02 07.4–2.4 38.91N 142.39E 44–23 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ35.00000°,λ175.00000°. NP2:ϕ_s359.00000°,δ87.00000°,λ56.00000°. $M_0$2.93000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=17.3km az=96.0.
JMA VII 16 09 43 19.0–.10 37.67N 141.87E 31–2 3.5
NIED VII 16 09 43 00 37.70N 141.90E 32 3.4W **¶603641244**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ66.00000°,λ164.00000°. NP2:ϕ_s35.00000°,δ75.00000°,λ25.00000°. $M_0$1.57000×10^{14}
JMA VII 17 05 38 22.0 39.15N 142.44E 45–1 3.5
¶603641694
JMA Event type fe.
ISC VII 17 08 32 56.2–1.2 38.36N–.04 142.24E–.08 24 3.6b 25 1-63
NIED VII 17 08 32 00 38.40N 142.20E 29 3.5W **¶601664714**
IDC VII 17 08 32 51.2–1.5 38.38N 142.73E 0 3.8,3.7
ISCJB VII 17 08 32 53.8–.77 38.34N–.04 142.40E–.07 24 4.1s,3.7b
JMA VII 17 08 32 57.0–.10 38.40N 142.24E 39–1 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ45.00000°,λ-95.00000°. NP2:ϕ_s347.00000°,δ46.00000°,λ-85.00000°. $M_0$1.92000×10^{14}
IDC Error ellipse: s-maj=36.8km s-min=19.5km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.3km az=10.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 17 09 10 16.6–.20 38.25N 142.36E 36–2 3.5
NIED VII 17 09 10 00 38.30N 142.40E 23 3.5W **¶603641734**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ27.00000°,λ-106.00000°. NP2:ϕ_s144.00000°,δ64.00000°,λ-82.00000°. $M_0$2.11000×10^{14}
ISC VII 17 17 30 28.4–1.6 38.22N–.04 141.95E–.08 32–7 3.4b 36 1-62
ISCJB VII 17 17 30 28.2–.82 38.24N–.04 141.96E–.08 51–8 3.3b **¶601664732**
JMA VII 17 17 30 29.8–.10 38.26N 141.85E 47–1 3.4
IDC VII 17 17 30 29.3–2.2 38.27N 142.10E 49–21 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.2km az=17.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=37.6km s-min=15.8km az=93.0.
ISC VII 18 01 37 01.1–.84 34.84N–.05 140.24E–.05 67–7 3.8b 36 0-75
ISCJB VII 18 01 37 00.3–.48 34.84N–.04 140.25E–.05 74–3 3.7b **¶601664772**
JMA VII 18 01 37 00.5–.10 34.87N 140.22E 73–2 3.5
NIED VII 18 01 37 00 34.80N 140.30E 53 3.6W
IDC VII 18 01 37 00.3–3.2 34.88N 140.44E 63–22 3.9,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=145.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s56.00000°,δ76.00000°,λ-153.00000°. NP2: ϕ_s319.00000°,δ64.00000°,λ-16.00000°. Principal axes: T Plg8.0000°,Azm186.0000° ; N Plg60.0000°,Azm82.0000°; P Plg29.0000°,Azm280.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ50.00000°,λ20.00000°. NP2:ϕ_s224.00000°,δ75.00000°,λ138.00000°. $M_0$3.03000×10^{14}
IDC Error ellipse: s-maj=42.7km s-min=6.1km az=74.0.
ISC VII 18 11 14 39.5–1.5 37.10N–.04 141.61E–.06 28–11 3.7b 37 1-90
NIED VII 18 11 14 00 37.20N 141.40E 53 3.9W **¶601664782**
IDC VII 18 11 14 35.4–.76 37.18N 141.67E 0 3.9,3.8
ISCJB VII 18 11 14 39.5–.87 37.11N–.04 141.59E–.07 42–8 3.7b,3.8
JMA VII 18 11 14 42.4–.10 37.19N 141.38E 48–1 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ20.00000°,λ116.00000°. NP2:ϕ_s11.00000°,δ72.00000°,λ81.00000°. $M_0$8.95000×10^{14}
IDC Error ellipse: s-maj=18.6km s-min=15.6km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.1km az=10.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 18 18 32 12.8–.10 37.07N 141.05E 27–1 0.9
¶603642437
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 18 20 38 22.1–1.6 36.96N–.04 141.31E–.05 14–9 4.0b,3.0s 43 0-147
NIED VII 18 20 38 00 37.00N 141.40E 5 3.9W,3.0s **¶601664804**
ISCJB VII 18 20 38 20.5–.99 36.94N–.04 141.43E–.06 19–6 3.9b,3.0s
JMA VII 18 20 38 21.5–.10 36.95N 141.35E 27–1 4.2,3.0s
IDC VII 18 20 38 27.9–2.3 36.91N 140.96E 57–21 4.0,3.8
ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ39.00000°,λ-88.00000°. NP2:ϕ_s203.00000°,δ51.00000°,λ-92.00000°. $M_0$8.87000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=6.0km az=13.5.
JMA Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=12.1km az=78.0.
ISC VII 18 22 33 19.2–2.1 36.97N–.05 141.36E–.08 11–10 22 0-61
ISCJB VII 18 22 33 17.7–1.4 36.94N–.05 141.44E–.07 10–6 3.4b,3.1s ¶601664809
IDC VII 18 22 33 17.2–2.5 37.01N 141.53E 0 3.5,3.4b
JMA VII 18 22 33 19.6–.10 36.94N 141.34E 25–1 3.1,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=8.3km az=168.5.
IDC Error ellipse: s-maj=50.3km s-min=34.1km az=37.0.
ISC VII 19 10 39 15.4–1.6 37.05N–.04 141.29E–.05 8–10 4.0b 66 0-147
NIED VII 19 10 39 00 37.10N 141.20E 14 4.0W ¶601664829
IDC VII 19 10 39 14.4–.61 37.00N 141.20E 0 4.0,3.8
ISCJB VII 19 10 39 15.5–.86 37.02N–.03 141.31E–.05 18–6 4.0b,3.3s
JMA VII 19 10 39 17.4–.10 37.05N 141.16E 29–1 3.9,3.3s
NEIC VII 19 10 39 18.3–2.0 36.98N 141.26E 27–15 4.7b,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ41.00000°,λ-76.00000°. NP2:ϕ_s235.00000°,δ51.00000°,λ-101.00000°. $M_0$1.17000×10^{15}
IDC Error ellipse: s-maj=19.2km s-min=13.4km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=38.2.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.2km az=121.0. Recorded [2 JMA] in Fukushima.
ISC VII 19 16 11 38.1–.32 37.55N–.03 141.90E–.03 24 4.6b,3.8s 348 1-146
NIED VII 19 16 11 00 37.60N 141.90E 26 4.3W,3.8s ¶601451949
BJI VII 19 16 11 34.1 37.55N 141.72E 6 4.8b,4.7b
ISCJB VII 19 16 11 37.0–.15 37.57N–.02 141.82E–.02 24 4.6b,3.7s
JMA VII 19 16 11 37.4–.10 37.58N 141.85E 29–2 4.5,3.7s
MOS VII 19 16 11 38.2–1.1 37.67N 141.81E 33 4.7b,3.7s
NEIC VII 19 16 11 40.0–1.1 37.57N 141.72E 34–8 4.7b,3.7s
IDC VII 19 16 11 40.7–1.7 37.58N 141.83E 41–15 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ21.00000°,λ169.00000°. NP2:ϕ_s335.00000°,δ86.00000°,λ70.00000°. $M_0$3.32000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=156.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=5.2km az=91.4.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=133.0. Recorded [2 JMA] in Fukushima.
IDC Error ellipse: s-maj=12.1km s-min=9.4km az=115.0.
ISC VII 20 03 59 44.5–.57 38.34N–.05 141.97E–.05 45–4 4.4b 124 1-151
MOS VII 20 03 59 41.9–1.1 38.32N 141.79E 33 4.6b ¶601479687
ISCJB VII 20 03 59 43.3–.57 38.30N–.03 141.94E–.05 49–4 4.5s,4.3b
JMA VII 20 03 59 44.6–.10 38.30N 141.87E 47–1 4.1,4.3b
IDC VII 20 03 59 45.1–.60 38.23N 141.78E 48–5 4.3,4.2
NEIC VII 20 03 59 45.5–.68 38.31N 141.83E 51–5 4.4b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=5.9km az=97.7.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.4km az=32.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=12.6km az=97.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=134.0.
JMA VII 20 09 11 56.4–.10 36.25N 141.06E 45–2 3.6 ¶603643265
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 22 02 08 34.1–1.4 36.95N–.03 141.17E–.05 15–8 4.2b 57 0-151
NIED VII 22 02 08 00 36.90N 141.40E 5 4.0W ¶601484392
ISCJB VII 22 02 08 32.1–.94 36.88N–.03 141.43E–.05 16–6 4.1b
JMA VII 22 02 08 33.2–.10 36.88N 141.36E 31–1 4.3
NEIC VII 22 02 08 34.7–3.1 36.93N 141.21E 18–19 4.3b
IDC VII 22 02 08 38.8–2.2 36.87N 141.07E 51–20 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ44.00000°,λ-122.00000°. NP2:ϕ_s215.00000°,δ54.00000°,λ-63.00000°. $M_0$9.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.3km az=18.7.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=6.5km az=128.0. Recorded [2 JMA] in Fukushima and Ibaraki.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=80.0.
ISC VII 22 08 20 33.1–.58 38.58N–.04 142.09E–.05 47–4 4.6b,3.9s 233 1-150
NIED VII 22 08 20 00 38.60N 141.90E 50 4.3W,3.9s ¶601459492
BJI VII 22 08 20 28.7 38.35N 142.25E 38 4.9b,4.8b
MOS VII 22 08 20 32.8–.93 38.68N 141.91E 50 4.9b,4.8b
ISCJB VII 22 08 20 32.7–.44 38.62N–.03 141.97E–.05 52–3 4.6b,3.7s
JMA VII 22 08 20 34.2–.10 38.62N 141.91E 48–1 4.3,3.7s
NEIC VII 22 08 20 35.8–.57 38.59N 141.95E 68–4 4.7b,3.7s
IDC VII 22 08 20 37.0–2.1 38.60N 141.79E 75–19 4.4,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ23.00000°,λ92.00000°. NP2:ϕ_s22.00000°,δ67.00000°,λ89.00000°. $M_0$3.39000×10^{15}
MOS Error ellipse: s-maj=7.8km s-min=5.0km az=97.5.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=30.6.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=120.0. Felt at Ishinomaki and Sendai. Recorded [3 JMA] in Miyagi.
IDC Error ellipse: s-maj=14.6km s-min=11.6km az=88.0.
ISC VII 22 10 12 53.2–1.0 36.18N–.05 140.02E–.06 55–8 3.6b 21 0-56
ISCJB VII 22 10 12 52.3–.71 36.17N–.04 140.03E–.07 63–5 3.5b ¶601664956
JMA VII 22 10 12 53.6–.10 36.19N 140.01E 52–1 3.7
IDC VII 22 10 12 53.2–1.2 35.34N 137.86E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=6.6km az=168.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s65.00000°,δ72.00000°,λ89.00000°. NP2: ϕ_s248.00000°,δ18.00000°,λ93.00000°. Principal axes: T Plg63.0000°,Azm334.0000° ; N Plg1.0000°,Azm66.0000°; P Plg27.0000°,Azm156.0000°
IDC Error ellipse: s-maj=21.2km s-min=16.0km az=63.0.
ISC VII 22 11 28 30.6–1.3 39.87N–.04 142.3E–.10 47–9 3.5b 23 0-64
ISCJB VII 22 11 28 29.7–.94 39.87N–.04 142.3E–.10 54–7 3.5b ¶601664966
JMA VII 22 11 28 31.3–.10 39.84N 142.26E 43–1 3.3
IDC VII 22 11 28 34.1–1.8 40.05N 142.28E 90–19 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=6.5km az=9.0.
IDC Error ellipse: s-maj=33.7km s-min=13.5km az=93.0.
ISC VII 22 11 49 16.6–1.6 36.60N–.04 141.29E–.06 13–10 3.7b 24 1-60
NIED VII 22 11 49 00 36.60N 141.20E 8 3.5W ¶601664967
IDC VII 22 11 49 14.3–1.7 36.67N 141.52E 0 3.6,3.5
ISCJB VII 22 11 49 17.4–1.1 36.57N–.04 141.25E–.07 23–7 3.6b,3.5
JMA VII 22 11 49 18.6 36.58N 141.16E 30–1 3.9,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ44.00000°,λ-76.00000°. NP2:ϕ_s177.00000°,δ48.00000°,λ-103.00000°. $M_0$2.07000×10^{14}
IDC Error ellipse: s-maj=42.4km s-min=23.7km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.8km az=12.6.
JMA Event type fe.
ISC VII 22 20 29 41.3–.80 35.36N–.05 140.40E–.06 57–7 3.9b 33 0-70
ISCJB VII 22 20 29 40.9–.47 35.36N–.04 140.32E–.06 65–4 3.8b ¶601664991
IDC VII 22 20 29 41.1–1.7 35.34N 140.27E 43–15 3.9,3.7
JMA VII 22 20 29 42.0–.10 35.41N 140.40E 55–2 3.4,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=160.5.
IDC Error ellipse: s-maj=22.1km s-min=6.5km az=69.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s347.00000°,δ64.00000°,λ88.00000°. NP2: ϕ_s172.00000°,δ26.00000°,λ94.00000°. Principal axes: T Plg71.0000°,Azm253.0000° ; N Plg2.0000°,Azm348.0000°; P Plg19.0000°,Azm79.0000°
ISC VII 22 20 51 15.0–.77 38.30N–.04 141.99E–.07 47–5 3.7b 47 1-89
ISCJB VII 22 20 51 14.2–.74 38.28N–.03 141.93E–.08 59–6 3.8b,3.6s ¶603644673
JMA VII 22 20 51 15.8–.10 38.32N 141.82E 58–1 3.8,3.6s
IDC VII 22 20 51 17.2–.99 38.23N 141.95E 73–7 3.9,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=11.5.
JMA Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=13.8km az=73.0.
ISC VII 22 21 57 53.1–1.1 38.30N–.04 142.03E–.08 51–10 3.8b 51 1-146
NIED VII 22 21 57 00 38.30N 141.80E 59 4.0W ¶603644700
ISCJB VII 22 21 57 53.0–.72 38.30N–.03 141.91E–.08 63–5 3.8b
JMA VII 22 21 57 54.4 38.32N 141.82E 57–1 4.0
IDC VII 22 21 57 55.3–2.1 38.31N 141.84E 69–18 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ49.00000°,λ126.00000°. NP2:ϕ_s353.00000°,δ52.00000°,λ56.00000°. $M_0$9.94000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.0km az=16.7.
JMA Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=13.6km az=81.0.
ISC VII 23 01 05 49.3–1.8 37.11N–.04 141.68E–.06 7–11 3.7b 37 1-90
NIED VII 23 01 05 00 37.20N 141.50E 50 3.9W ¶601666282
IDC VII 23 01 05 48.8–.87 37.11N 141.73E 0 3.8,3.8
JMA VII 23 01 05 54.5–.10 37.21N 141.53E 47–2 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ45.00000°,λ80.00000°. NP2:ϕ_s241.00000°,δ46.00000°,λ100.00000°. $M_0$7.57000×10^{14}
IDC Error ellipse: s-maj=20.1km s-min=16.1km az=79.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 23 01 10 15.7 36.88N 140.56E 10 2.9 ¶603644768
ISC VII 23 02 15 45.0–1.4 38.17N–.04 142.01E–.08 50–12 3.9b 42 1-146
NIED VII 23 02 15 00 38.20N 141.90E 62 3.7W ¶601666291
ISCJB VII 23 02 15 45.1–.73 38.22N–.04 141.93E–.07 64–6 3.9b
JMA VII 23 02 15 46.3 38.23N 141.82E 64–1 3.9
IDC VII 23 02 15 47.5–2.8 38.15N 141.83E 74–27 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ20.00000°,λ102.00000°. NP2:ϕ_s173.00000°,δ71.00000°,λ86.00000°. $M_0$4.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.0km az=21.1.
JMA Event type fe.
IDC Error ellipse: s-maj=25.0km s-min=20.0km az=51.0.
ISC VII 23 05 23 44.2–2.3 37.27N–.04 141.94E–.07 13–13 3.6b 30 1-57
NIED VII 23 05 23 00 37.30N 141.80E 44 3.6W ¶601666297
JMA VII 23 05 23 47.3–.20 37.30N 141.85E 41–3 3.7
IDC VII 23 05 23 49.4–4.0 37.11N 141.99E 54–38 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s279.00000°,δ42.00000°,λ-108.00000°. NP2:ϕ_s123.00000°,δ50.00000°,λ-74.00000°. $M_0$2.55000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=28.7km s-min=18.0km az=66.0.
ISC VII 23 15 32 26.3–1.2 35.57N–.07 141.55E–.09 25 3.3b 21 1-59
IDC VII 23 15 32 23.8–1.6 35.65N 141.51E 0 3.6,3.5 ¶601666316
ISCJB VII 23 15 32 25.0–.85 35.60N–.05 141.62E–.08 25 3.2b,3.5
JMA VII 23 15 32 27.1–.20 35.62N 141.44E 18–2 3.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=20.6km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.6km az=160.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 23 17 09 48.3–1.2 35.78N–.04 140.99E–.07 16–6 3.4b 21 0-56
NIED VII 23 17 09 00 35.80N 140.90E 8 3.4W ¶601666323
IDC VII 23 17 09 45.7–1.8 35.96N 141.15E 0 3.2,3.2b
ISCJB VII 23 17 09 48.1–.99 35.77N–.04 141.05E–.08 23–5 3.2b,3.2b
JMA VII 23 17 09 49.8–.10 35.75N 140.88E 12–1 3.5,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ32.00000°,λ-61.00000°. NP2:ϕ_s177.00000°,δ62.00000°,λ-107.00000°. $M_0$1.27000×10^{14}
IDC Error ellipse: s-maj=39.0km s-min=25.9km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=6.3km az=169.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 24 12 08 10.9–.10 40.35N 142.19E 45–1 3.7
NIED VII 24 12 08 00 40.40N 142.20E 56 3.6W ¶603645466
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ38.00000°,λ30.00000°. NP2:ϕ_s53.00000°,δ72.00000°,λ124.00000°. $M_0$2.77000×10^{14}
ISC VII 24 12 52 16.9–.90 39.18N–.04 142.53E–.05 28–5 4.2b,3.4s 121 1-88
NIED VII 24 12 52 00 39.20N 142.40E 32 4.0W,3.4s ¶601666375
IDC VII 24 12 52 12.4–.63 39.13N 142.60E 0 4.1,4.0
ISCJB VII 24 12 52 13.9–.72 39.17N–.03 142.60E–.04 19–4 4.1b,3.4s
MOS VII 24 12 52 15.8–1.1 39.18N 142.62E 38 4.3b,3.4s
JMA VII 24 12 52 17.1–.10 39.21N 142.41E 34–1 4.2,3.4s
NEIC VII 24 12 52 19.5–.72 39.14N 142.48E 50–6 4.4b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ29.00000°,λ-119.00000°. NP2:ϕ_s179.00000°,δ65.00000°,λ-75.00000°. $M_0$1.11000×10^{15}
IDC Error ellipse: s-maj=15.5km s-min=12.9km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=42.2.
MOS Error ellipse: s-maj=9.4km s-min=5.9km az=83.8.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.6km az=124.0. Recorded [2 JMA] in Iwate.
JMA VII 24 13 13 47.4–.10 39.22N 142.39E 34–1 3.6
NIED VII 24 13 13 00 39.20N 142.40E 44 3.5W ¶603645490
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ36.00000°,λ-103.00000°. NP2:ϕ_s168.00000°,δ55.00000°,λ-81.00000°. $M_0$2.33000×10^{14}
ISC VII 25 01 31 39.3–.44 36.77N–.04 140.62E–.05 109–3 4.2b 168 0-91
BJI VII 25 01 31 36.1 36.87N 140.84E 108 5.2b,4.7b ¶601467947
ISCJB VII 25 01 31 38.7–.27 36.78N–.03 140.55E–.04 115–1 4.2b,4.7b
NEIC VII 25 01 31 39.3–.44 36.83N 140.59E 103–4 4.5b,4.7b
MOS VII 25 01 31 39.0–1.4 37.00N 140.51E 113 4.5b,4.7b
IDC VII 25 01 31 40.0–.48 36.78N 140.52E 109–4 4.1,3.9
JMA VII 25 01 31 40.7–.10 36.79N 140.49E 105–1 4.0,3.9
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.1km az=26.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=91.0.
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=117.0.
IDC Error ellipse: s-maj=8.8km s-min=7.4km az=144.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s227.00000°,δ73.00000°,λ-61.00000°. NP2: ϕ_s345.00000°,δ34.00000°,λ-147.00000°. Principal axes: T Plg22.0000°,Azm295.0000° ; N Plg28.0000°,Azm37.0000°; P Plg53.0000°,Azm172.0000°
JMA VII 25 01 35 01.9–.10 39.21N 142.40E 33–1 3.7 ¶603645845
JMA Event type fe.
ISC VII 25 01 55 01.4–1.2 36.91N–.04 140.85E–.06 26–7 3.4b 24 0-57
IDC VII 25 01 54 57.9–2.0 36.70N 141.03E 0 3.4,3.3b ¶601666398
ISCJB VII 25 01 55 01.1–.99 36.90N–.04 140.89E–.07 22–5 3.4b,3.3b
JMA VII 25 01 55 01.1 36.90N 140.84E 31–1 3.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=25.4km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.7km az=26.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s245.00000°,δ67.00000°,λ-102.00000°. NP2:ϕ_s94.00000°,δ26.00000°,λ-64.00000°. Principal axes: T Plg21.0000°,Azm344.0000°; N Plg11.0000°,Azm250.0000°; P Plg66.0000° ,Azm133.0000°
ISC VII 25 12 22 28.2–.93 36.70N–.04 141.80E–.07 19 4.1b 28 1-75
IDC VII 25 12 22 26.7–1.9 36.75N 141.94E 0 4.9,4.9s ¶601666422
ISCJB VII 25 12 22 27.2–.81 36.72N–.05 142.00E–.07 19 4.7s,4.0b
JMA VII 25 12 22 31.0–.30 36.76N 141.71E 51–4 3.9,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=23.5km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.1km az=16.7.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 25 15 37 57.0–2.0 39.13N–.04 142.59E–.08 7–11 3.4b 26 1-59
ISCJB VII 25 15 37 58.0–1.4 39.14N–.04 142.64E–.08 20–7 3.3b ¶601666429

JMA VII 25 15 37 59.7–.10 39.19N 142.56E 29–1 3.2
IDC VII 25 15 38 02.1–3.5 39.17N 142.68E 59–30 3.1,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.9km az=17.7.
IDC Error ellipse: s-maj=49.6km s-min=24.5km az=84.0.
ISC VII 25 16 21 04.5–1.3 37.90N–.05 141.63E–.09 55–10 3.8b 41 1-89
NIED VII 25 16 21 00 37.90N 141.50E 68 3.7W **¶601666430**
ISCJB VII 25 16 21 03.3–.70 37.90N–.04 141.66E–.07 66–5 3.7b
IDC VII 25 16 21 04.5–2.1 37.95N 141.69E 62–18 3.8,3.6
JMA VII 25 16 21 05.0 37.91N 141.54E 60–1 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ22.00000°,λ48.00000°. NP2:ϕ_s200.00000°,δ74.00000°,λ105.00000°. $M_0$4.68000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.2km az=19.2.
IDC Error ellipse: s-maj=24.6km s-min=13.1km az=92.0.
JMA Event type fe.
ISC VII 25 16 34 21.1–1.9 36.34N–.05 141.18E–.07 14–11 3.5b 26 0-56
NIED VII 25 16 34 00 36.40N 141.00E 53 3.5W **¶601666431**
IDC VII 25 16 34 18.9–1.7 36.38N 141.28E 0 3.5,3.5
JMA VII 25 16 34 24.7–.10 36.34N 141.00E 46–1 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ20.00000°,λ151.00000°. NP2:ϕ_s2.00000°,δ80.00000°,λ72.00000°. $M_0$2.16000×10^{14}
IDC Error ellipse: s-maj=40.0km s-min=21.2km az=84.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 26 04 55 33.0–.20 37.43N 141.83E 43–4 1.9
¶606346525
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 26 04 56 12.9–2.6 36.89N–.07 140.12E–.07 123–19 3.4b 21 0-57
IDC VII 26 04 55 51.9–2.5 37.45N 141.80E 0 3.6,3.4 **¶601666456**
ISCJB VII 26 04 56 11.3–.68 36.87N–.05 140.13E–.08 133–5 3.2b,3.4
JMA VII 26 04 56 12.5–.10 36.87N 140.14E 124–1 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=61.4km s-min=30.0km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.4km az=26.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 26 10 28 37.1–.10 36.43N 140.98E 26–2 3.5
¶603646677
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 26 10 29 59.4–.73 36.06N–.04 140.27E–.05 62–7 4.2b 80 0-91
ISCJB VII 26 10 29 59.4–.40 36.07N–.03 140.19E–.05 73–3 4.1b **¶601476134**
NEIC VII 26 10 30 00.4–.53 36.07N 140.15E 66–5 4.6b
JMA VII 26 10 30 00.9–.10 36.11N 140.11E 63–1 4.1
NIED VII 26 10 30 00 36.20N 140.10E 68 4.3W
IDC VII 26 10 30 02.8–1.4 36.08N 140.10E 86–13 4.2,3.9
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=5.2km az=172.8.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.7km az=75.0. Recorded [3 JMA] in Ibaraki and Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s52.00000°,δ86.00000°,λ94.00000°. NP2: ϕ_s184.00000°,δ6.00000°,λ42.00000°. Principal axes: T Plg49.0000°,Azm327.0000° ; N Plg4.0000°,Azm232.0000°; P Plg41.0000°,Azm138.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ19.00000°,λ20.00000°. NP2:ϕ_s51.00000°,δ84.00000°,λ108.00000°. $M_0$2.75000×10^{15}
IDC Error ellipse: s-maj=14.8km s-min=12.3km az=70.0.
ISC VII 26 17 04 03.0–.94 35.79N–.05 140.60E–.07 65–9 3.8b 30 0-67
NIED VII 26 17 04 00 35.80N 140.40E 53 3.8W **¶601666489**
ISCJB VII 26 17 04 02.4–.66 35.77N–.04 140.54E–.08 76–5 3.7b
IDC VII 26 17 04 03.0–2.4 35.80N 140.64E 65–18 3.9,3.7
JMA VII 26 17 04 04.6–.10 35.77N 140.34E 65–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s248.00000°,δ76.00000°,λ-171.00000°. NP2:ϕ_s156.00000°,δ81.00000°,λ-14.00000°. $M_0$5.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=6.7km az=167.1.
IDC Error ellipse: s-maj=26.6km s-min=8.6km az=68.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s259.00000°,δ89.00000°,λ-169.00000°. NP2: ϕ_s168.00000°,δ79.00000°,λ-1.00000°. Principal axes: T Plg7.0000°,Azm33.0000° ; N Plg79.0000°,Azm262.0000°; P Plg8.0000°,Azm124.0000°
ISC VII 26 17 07 25.3–1.3 36.21N–.04 141.08E–.05 13–9 18 0-56
IDC VII 26 17 07 23.2–1.9 36.28N 141.13E 0 3.3,3.3 **¶601666490**
ISCJB VII 26 17 07 24.4–.96 36.21N–.04 141.17E–.07 27–6 3.2b,3.3
JMA VII 26 17 07 26.3 36.12N 140.97E 37–1 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=24.9km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.5km az=179.3.
JMA Event type fe.
JMA VII 27 03 36 40.6–.10 39.76N 142.20E 47–1 2.2
¶605673257
ISC VII 27 05 32 56.6–1.7 36.86N–.06 141.2E–.10 42–11 3.7b 23 0-79
NIED VII 27 05 32 00 36.90N 141.10E 50 3.7W **¶601666510**
IDC VII 27 05 32 48.8–2.2 37.00N 141.68E 0 3.8,3.7
ISCJB VII 27 05 32 56.2–.97 36.86N–.05 141.11E–.09 51–5 3.7b,3.7s
JMA VII 27 05 32 57.0–.10 36.88N 141.06E 50–1 3.5,3.7s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ38.00000°,λ-175.00000°. NP2:ϕ_s217.00000°,δ87.00000°,λ-52.00000°. $M_0$4.44000×10^{14}
IDC Error ellipse: s-maj=53.8km s-min=27.3km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=7.7km az=14.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 27 14 40 02.5–.63 35.95N–.04 140.26E–.05 62–5 4.3b 167 0-148
BJI VII 27 14 39 59.1 35.92N 140.58E 77 4.8b,4.6b **¶603647317**
NIED VII 27 14 40 00 36.00N 140.10E 65 4.3W,4.6b
MOS VII 27 14 40 01.4–1.1 35.98N 140.35E 64 4.5b,4.6b
ISCJB VII 27 14 40 02.2–.37 35.92N–.03 140.21E–.04 72–2 4.2b,4.6b
NEIC VII 27 14 40 04.1–.53 35.93N 140.16E 73–4 4.5b,4.6b
IDC VII 27 14 40 04.4–1.2 35.86N 140.07E 75–11 4.2,4.0
JMA VII 27 14 40 04.5–.10 35.97N 140.10E 63–1 3.8,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ26.00000°,λ86.00000°. NP2:ϕ_s14.00000°,δ64.00000°,λ92.00000°. $M_0$2.96000×10^{15}
MOS Error ellipse: s-maj=9.2km s-min=5.6km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.5km az=177.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=87.0. Felt at Kashiwa, Tokyo, Tsuchiara, Tsukuba and Utsunomiya.
IDC Error ellipse: s-maj=15.6km s-min=6.4km az=64.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ62.00000°,λ86.00000°. NP2: ϕ_s195.00000°,δ28.00000°,λ98.00000°. Principal axes: T Plg73.0000°,Azm266.0000° ; N Plg4.0000°,Azm8.0000°; P Plg17.0000°,Azm99.0000°
JMA VII 27 16 52 35.7 36.69N 140.64E 5–1 0.8
¶603647373
JMA VII 28 00 08 29.9–.10 37.38N 141.41E 33–1 3.5
¶603647553
JMA Event type fe.
ISC VII 28 15 27 19.9–2.6 36.56N–.04 141.19E–.07 13–15 3.7b 32 1-92
NIED VII 28 15 27 00 36.60N 141.10E 5 3.7W **¶601666571**
IDC VII 28 15 27 18.4–1.1 36.47N 141.09E 0 3.7,3.6
ISCJB VII 28 15 27 20.1–.97 36.58N–.03 141.19E–.07 20–6 3.5b,3.6
JMA VII 28 15 27 21.3–.10 36.58N 141.07E 26–1 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ62.00000°,λ-14.00000°. NP2:ϕ_s334.00000°,δ77.00000°,λ-152.00000°. $M_0$3.86000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=20.0km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.1km az=18.1.
JMA Event type fe.
ISC VII 28 17 26 28.5–.66 37.17N–.04 141.44E–.05 36–1 4.2b 89 0-147
NIED VII 28 17 26 00 37.20N 141.40E 32 3.9W **¶601499051**
BJI VII 28 17 26 27.3 37.30N 141.20E 36 4.9b,4.4b
ISCJB VII 28 17 26 27.9–.56 37.17N–.03 141.45E–.05 50–4 4.2b,4.4b
NEIC VII 28 17 26 29.8–.98 37.38N 141.22E 38–10 4.6b,4.4b
JMA VII 28 17 26 29.0–.10 37.19N 141.37E 48–1 3.9,4.4b
IDC VII 28 17 26 30.1–2.0 37.19N 141.43E 51–18 3.8,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s149.00000°,δ16.00000°,λ-3.00000°. NP2:ϕ_s241.00000°,δ89.00000°,λ-106.00000°. $M_0$7.48000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=24.8.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=8.5km az=140.0. Felt at Iwaki, Namie and Sukagawa. Recorded [2 JMA] in Fukushima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=13.0km az=130.0.
JMA VII 29 00 48 18.2–.10 38.34N 142.15E 37–1 3.5
¶603648254
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 29 01 59 50.5 38.18N 141.61E 61–1 3.7
NIED VII 29 01 59 00 38.20N 141.60E 35 3.7W **¶603648273**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ53.00000°,λ144.00000°. NP2:ϕ_s293.00000°,δ62.00000°,λ43.00000°. $M_0$4.29000×10^{14}
ISC VII 29 03 35 49.0–1.2 34.44N–.04 140.59E–.07 42–13 3.5b 24 0-54
IDC VII 29 03 35 41.2–2.8 34.52N 141.18E 0 3.5,3.4L **¶601666603**
ISCJB VII 29 03 35 48.0–.74 34.44N–.04 140.62E–.07 51–7 3.4b,3.4L
JMA VII 29 03 35 47.4–.20 34.44N 140.64E 58–3 2.7,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=66.2km s-min=24.9km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.1km az=170.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 29 05 25 53.2–.68 35.68N–.05 140.68E–.07 45 3.9b,3.4s 29 0-79
NIED VII 29 05 25 00 35.70N 140.60E 53 4.1W,3.4s **¶601506079**
ISCJB VII 29 05 25 52.3–.54 35.71N–.04 140.74E–.08 45 3.8b,3.1s
JMA VII 29 05 25 53.8–.10 35.73N 140.60E 47–1 3.4,3.1s
IDC VII 29 05 25 55.7–2.2 35.51N 140.52E 72–19 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ16.00000°,λ89.00000°. NP2:ϕ_s3.00000°,δ74.00000°,λ90.00000°. $M_0$1.38000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.7km az=163.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ83.00000°,λ93.00000°. NP2: ϕ_s180.00000°,δ8.00000°,λ67.00000°. Principal axes: T Plg52.0000°,Azm296.0000° ; N Plg3.0000°,Azm202.0000°; P Plg38.0000°,Azm110.0000°
IDC Error ellipse: s-maj=26.4km s-min=12.2km az=75.0.
ISC VII 29 09 32 28.9–.89 38.89N–.05 142.68E–.08 45–8 3.9b 41 1-129
NIED VII 29 09 32 00 38.90N 142.60E 56 3.9W **¶601666622**
ISCJB VII 29 09 32 27.4–.94 38.92N–.04 142.70E–.08 44–9 3.9b
JMA VII 29 09 32 28.3–.10 38.94N 142.62E 40–1 3.8
IDC VII 29 09 32 29.8–.82 38.86N 142.69E 51–7 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ30.00000°,λ93.00000°. NP2:ϕ_s229.00000°,δ60.00000°,λ88.00000°. $M_0$7.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.3km az=12.2.
JMA Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=13.7km az=84.0.
ISC VII 29 22 05 06.6–.28 39.14N–.02 142.46E–.03 31–1 5.4b,5.2s 1797 1-159
NIED VII 29 22 05 00 39.10N 142.50E 32 5.4W,5.2s **¶601484887**
ISCJB VII 29 22 05 05.9–.42 39.08N–.02 142.40E–.01 33–2 5.3b,5.1s
JMA VII 29 22 05 05.2–.10 39.10N 142.47E 34–1 5.5,5.1s
BJI VII 29 22 05 06.0 39.05N 142.31E 43 5.3,5.3s
MOS VII 29 22 05 06.9–.94 39.20N 142.35E 39 5.5b,5.4s
IDC VII 29 22 05 08.5–1.0 39.08N 142.37E 44–9 5.1,4.9
GCMT VII 29 22 05 09.2–.10 39.17N 142.31E 34–0 5.4W,4.9
NEIC VII 29 22 05 09.2–.38 39.08N 142.32E 49–3 5.4b,5.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s292.00000°,δ21.00000°,λ-149.00000°. NP2:ϕ_s173.00000°,δ79.00000°,λ-72.00000°. $M_0$1.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=160.5.
JMA Event type fe.
MOS Error ellipse: s-maj=5.4km s-min=3.6km az=104.3.
IDC Error ellipse: s-maj=7.9km s-min=6.6km az=93.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s116,c217; s128,c251; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36±.02 $M_{\theta\theta}$0.44±.01; $M_{\phi\phi}$0.91±.01; $M_{r\theta}$0.42±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$1.27±.02; Best double couple: NP1:ϕ_s181.00000°,δ69.00000° ,λ-73.00000°. NP2:ϕ_s320.00000°,δ27.00000°,λ-127.00000°. Principal axes: T 1.5230,Plg22.0000°,Azm258.0000°; N 0.5250,Plg16.0000°,Azm354.0000° ; P -2.0490,Plg62.0000°,Azm118.0000° $M_0$1.78600×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=145.0. Felt [II] at Sendai. Also felt at Akita, Aomori, Fukushima, Hachinohe, Ishinomaki, Kesennuma, Kitakami, Misawa, Miyako, Morioka, Shiwa, Wakuya and Yokote. Recorded [4 JMA] in Iwate and Miyagi. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.17 $M_{\phi\phi}$0.69 $M_{r\theta}$0.13 $M_{\theta\phi}$0.03 $M_{\phi r}$1.00 Best double couple: NP1:ϕ_s2.00000°,δ19.00000°,λ-94.00000°. NP2: ϕ_s186.00000°,δ71.00000°,λ-89.00000°. Principal axes: T 1.1800,Plg26.0000°,Azm275.0000° ; N 0.1700,Plg1.0000°,Azm6.0000°; P -1.3600,Plg64.0000°,Azm99.0000° $M_0$1.30000×10^{17}
JMA VII 29 22 10 09.9–.10 39.15N 142.41E 33–1 3.6
¶603648730
JMA Event type fe.
JMA VII 29 22 41 52.6–.10 39.16N 142.42E 31–1 3.5
¶603648753
ISC VII 30 00 48 03.5–2.1 39.11N–.04 142.44E–.08 11–12 4.0b,3.5s 36 1-85
NIED VII 30 00 48 00 39.10N 142.50E 38 4.1W,3.5s **¶601650750**
JMA VII 30 00 48 05.9–.10 39.15N 142.42E 33–1 4.2,3.5s
IDC VII 30 00 48 08.1–2.2 39.03N 142.47E 47–22 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ41.00000°,λ-30.00000°. NP2:ϕ_s249.00000°,δ71.00000°,λ-127.00000°. $M_0$1.82000×10^{15}
JMA Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=14.0km az=97.0.
ISC VII 30 02 16 49.5–2.1 39.13N–.07 142.4E–.10 32–13 3.9b 22 1-59
NIED VII 30 02 16 00 39.10N 142.40E 62 3.6W **¶601650751**
ISCJB VII 30 02 16 48.1–1.2 39.07N–.05 142.50E–.08 30–6 3.6b
JMA VII 30 02 16 49.4–.10 39.10N 142.42E 33–1 3.5
IDC VII 30 02 16 54.0–5.0 39.04N 142.40E 74–47 3.4,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s98.00000°,δ75.00000°,λ2.00000°. NP2: ϕ_s8.00000°,δ88.00000°,λ165.00000°. $M_0$2.98000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=7.6km az=11.6.
JMA Event type fe.
IDC Error ellipse: s-maj=44.3km s-min=30.1km az=98.0.
ISC VII 30 14 21 04.0–1.5 37.88N–.05 141.8E–.10 54–12 3.6b 37 1-89
NIED VII 30 14 21 00 37.90N 141.70E 62 3.6W **¶601650771**
ISCJB VII 30 14 21 03.5–.84 37.88N–.04 141.77E–.10 67–7 3.5b
JMA VII 30 14 21 04.6 37.89N 141.71E 57–1 3.8
IDC VII 30 14 21 04.6–2.1 37.92N 141.84E 63–19 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ40.00000°,λ89.00000°. NP2:ϕ_s20.00000°,δ50.00000°,λ91.00000°. $M_0$2.95000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=5.6km az=18.0.
IDC Error ellipse: s-maj=24.4km s-min=13.5km az=99.0.
ISC VII 30 17 17 39.9–.62 37.99N–.04 141.92E–.05 26–3 4.2b,3.0s 100 1-146
NIED VII 30 17 17 00 38.00N 141.70E 53 4.2W,3.0s **¶601497402**
BJI VII 30 17 17 36.5 38.00N 142.20E 30 4.6b,4.5b
MOS VII 30 17 17 39.4–1.0 37.96N 142.03E 44 4.5b,4.5b
ISCJB VII 30 17 17 40.3–.59 38.00N–.03 141.89E–.05 45–5 4.1b,3.2s
IDC VII 30 17 17 42.2–.70 38.05N 141.74E 44–5 4.0,4.0
NEIC VII 30 17 17 42.6–.95 38.03N 141.80E 49–8 4.8b,4.0
JMA VII 30 17 17 42.7–.10 38.04N 141.68E 49–1 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ25.00000°,λ-139.00000°. NP2:ϕ_s143.00000°,δ74.00000°,λ-70.00000°. $M_0$2.43000×10^{15}
MOS Error ellipse: s-maj=10.0km s-min=7.1km az=86.6.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=23.5.
IDC Error ellipse: s-maj=15.0km s-min=12.8km az=112.0.

NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=7.0km az=123.0. Recorded [2 JMA] in Miyagi.
JMA Event type fe.
ISC VII 30 18 42 34.4–2.2 36.65N–.05 141.24E–.09 2–13 3.5b 21 1-69
JMA VII 30 18 42 34.1–.10 36.63N 141.28E 26–1 3.3 **¶601650783**
IDC VII 30 18 42 34.3–1.4 36.37N 141.17E 0 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=28.9km az=43.0.
ISC VII 31 00 33 31.6–1.8 37.34N–.04 141.74E–.07 5–11 3.6b 28 1-57
NIED VII 31 00 33 00 37.40N 141.70E 44 3.6W **¶601650797**
JMA VII 31 00 33 36.4–.10 37.41N 141.69E 44–2 3.8
IDC VII 31 00 33 37.5–5.8 37.23N 141.75E 52–47 3.6,3.5L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ25.00000°,λ135.00000°. NP2:ϕ_s317.00000°,δ73.00000°,λ72.00000°. $M_0$2.52000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=42.5km s-min=16.0km az=59.0.
ISC VII 31 07 54 24.6–1.9 36.88N–.05 141.75E–.06 5–11 3.8b 37 1-147
ISCJB VII 31 07 54 24.5–1.2 36.87N–.04 141.82E–.06 15–8 3.8s,3.6b **¶603649361**
IDC VII 31 07 54 24.4–.79 37.03N 141.76E 0 3.9,3.7
JMA VII 31 07 54 25.5–.20 36.81N 141.77E 42–4 3.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.3km az=34.1.
IDC Error ellipse: s-maj=20.6km s-min=17.2km az=162.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 31 11 47 11.1–.10 35.87N 140.46E 33–1 0.7
¶603649426
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 31 15 58 03.5–.10 39.90N 142.48E 36–1 3.7
NIED VII 31 15 58 00 39.90N 142.50E 41 3.6W **¶603649497**
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ35.00000°,λ-173.00000°. NP2:ϕ_s157.00000°,δ86.00000°,λ-55.00000°. $M_0$2.89000×10^{14}
ISC VII 31 16 56 17.0–1.4 38.24N–.06 142.37E–.10 35 3.5b 19 1-58
JMA VII 31 16 56 14.8–.20 38.28N 142.50E 35–2 3.3 **¶601650838**
ISCJB VII 31 16 56 15.1–1.0 38.25N–.05 142.51E–.09 35 3.5b
IDC VII 31 16 56 18.6–3.2 38.26N 142.69E 64–25 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.5km az=24.0.
IDC Error ellipse: s-maj=32.7km s-min=13.2km az=116.0.
ISC VII 31 18 44 50.7–1.5 38.86N–.05 142.2E–.10 47–12 3.8b 48 0-59
NIED VII 31 18 44 00 38.90N 142.00E 53 3.7W **¶601650843**
IDC VII 31 18 44 41.9–2.2 39.05N 142.85E 0 3.8b,3.8
ISCJB VII 31 18 44 49.9–.80 38.90N–.04 142.17E–.08 54–5 4.0b,3.8
JMA VII 31 18 44 52.0–.10 38.88N 141.98E 49–1 3.6,3.8
NEIC VII 31 18 44 52.3–.76 38.88N 142.29E 71–6 4.4b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ99.00000°. $M_0$3.47000×10^{14}
IDC Error ellipse: s-maj=52.0km s-min=27.8km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.7km az=13.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.8km az=110.0.
ISC VIII 01 04 03 57.6–1.1 36.43N–.06 140.77E–.07 51–7 3.5b 27 0-56
NIED VIII 01 04 03 00 36.40N 140.70E 44 3.5W **¶601765300**
ISCJB VIII 01 04 03 56.6–.77 36.42N–.05 140.76E–.06 56–4 3.5b
JMA VIII 01 04 03 57.7–.10 36.42N 140.67E 53–1 3.5
IDC VIII 01 04 04 00.7–4.3 36.40N 140.54E 79–39 3.4,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ42.00000°,λ66.00000°. NP2:ϕ_s10.00000°,δ53.00000°,λ110.00000°. $M_0$1.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=6.5km az=43.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s19.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_s196.00000°,δ24.00000°,λ88.00000°. Principal axes: T Plg69.0000°,Azm291.0000°; N Plg1.0000°,Azm198.0000°; P Plg21.0000° ,Azm108.0000°
IDC Error ellipse: s-maj=45.9km s-min=29.6km az=95.0.
ISC VIII 01 04 28 14.3–.99 37.12N–.05 141.16E–.07 51–7 3.5b,2.6s 42 0-147
NIED VIII 01 04 28 00 37.10N 141.20E 59 3.7W,2.6s **¶601765301**
ISCJB VIII 01 04 28 13.2–.59 37.10N–.04 141.17E–.06 58–4 3.6b,2.5s
JMA VIII 01 04 28 14.9–.10 37.14N 141.06E 55–1 3.9,2.5s
IDC VIII 01 04 28 15.5–2.3 37.13N 141.16E 62–20 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ19.00000°,λ62.00000°. NP2:ϕ_s57.00000°,δ73.00000°,λ99.00000°. $M_0$4.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.0km az=25.8.
JMA Event type fe.
IDC Error ellipse: s-maj=20.0km s-min=17.3km az=145.0.
ISC VIII 01 13 42 58.0–2.0 37.33N–.04 141.96E–.07 4–11 3.6b,3.2s 37 1-82
IDC VIII 01 13 42 57.5–.96 37.31N 141.94E 0 3.8,3.7 **¶601499060**
NIED VIII 01 13 43 00 37.30N 141.90E 23 3.6W,3.7
JMA VIII 01 13 43 02.2–.20 37.33N 141.81E 43–3 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=15.4km az=101.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ24.00000°,λ19.00000°. NP2:ϕ_s89.00000°,δ83.00000°,λ112.00000°. $M_0$3.06000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 01 14 37 43.5–.69 38.88N–.04 142.01E–.07 61–4 4.3b 99 0-89
NIED VIII 01 14 37 00 38.90N 142.00E 50 4.1W **¶601499061**
BJI VIII 01 14 37 38.4 38.69N 142.55E 76 5.0b,4.6b
ISCJB VIII 01 14 37 41.0–.61 38.89N–.03 142.06E–.06 56–4 4.3b,3.4s
JMA VIII 01 14 37 42.2–.10 38.89N 141.98E 50–1 4.0,3.4s
NEIC VIII 01 14 37 43.8–.48 38.86N 142.13E 74 4.7b,3.4s
IDC VIII 01 14 37 44.1–.79 38.90N 142.06E 71–5 4.1,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ18.00000°,λ67.00000°. NP2:ϕ_s23.00000°,δ74.00000°,λ97.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.7km az=18.4.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.4km az=118.0. Felt [II] at Sendai. Recorded [1 JMA] in Miyagi.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=109.0.
JMA VIII 01 22 03 54.4–.10 36.75N 141.15E 40–1 3.5
NIED VIII 01 22 03 00 36.70N 141.20E 80 3.6W **¶603650103**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ39.00000°,λ76.00000°. NP2:ϕ_s32.00000°,δ52.00000°,λ102.00000°. $M_0$3.12000×10^{14}
ISC VIII 02 00 52 57.4–1.0 39.61N–.04 142.21E–.07 50–8 4.0b 59 0-81
NIED VIII 02 00 52 00 39.60N 142.10E 50 3.9W **¶601511879**
ISCJB VIII 02 00 52 56.4–.66 39.64N–.03 142.22E–.08 54–4 4.0b,3.0s
NEIC VIII 02 00 52 56.9–1.6 39.52N 142.55E 67–8 4.3b,3.0s
JMA VIII 02 00 52 58.1 39.64N 142.11E 48–1 3.8,3.0s
IDC VIII 02 00 52 59.4–2.0 39.68N 142.22E 69–17 4.0,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ20.00000°,λ102.00000°. NP2:ϕ_s14.00000°,δ70.00000°,λ85.00000°. $M_0$7.13000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.2km az=13.5.
NEIC Event type fe. Error ellipse: s-maj=34.6km s-min=7.2km az=121.0. Recorded [2 JMA] in Iwate.
JMA Event type fe.
IDC Error ellipse: s-maj=20.9km s-min=12.1km az=102.0.
JMA VIII 02 01 34 50.4 36.65N 140.60E 7 3.6
¶606005701
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s159.00000°,δ74.00000°,λ-101.00000°. NP2:ϕ_s14.00000°,δ19.00000°,λ-57.00000°. Principal axes: T Plg28.0000°,Azm258.0000°; N Plg10.0000°,Azm162.0000°; P Plg60.0000° ,Azm54.0000°
ISC VIII 02 01 47 32.2–1.9 37.27N–.04 141.65E–.09 32–11 3.8b 30 1-74
NIED VIII 02 01 47 00 37.30N 141.60E 41 3.8W **¶601765331**
IDC VIII 02 01 47 26.1–1.8 37.39N 141.98E 0 3.9,3.9b
ISCJB VIII 02 01 47 32.0–1.1 37.26N–.04 141.6E–.10 49–8 3.8b,3.1s
JMA VIII 02 01 47 33.3–.10 37.31N 141.57E 46–2 3.6,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ9.00000°,λ29.00000°. NP2:ϕ_s46.00000°,δ85.00000°,λ98.00000°. $M_0$5.32000×10^{14}
IDC Error ellipse: s-maj=40.1km s-min=22.1km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.1km az=4.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 02 02 01 54.4–1.9 38.23N–.04 142.15E–.08 7–11 3.6b 28 1-58
NIED VIII 02 02 01 00 38.30N 142.10E 41 3.7W **¶601765332**
ISCJB VIII 02 02 01 55.8–1.3 38.26N–.04 142.21E–.08 19–7 3.4b
JMA VIII 02 02 01 58.3–.10 38.33N 142.12E 36–1 3.9
IDC VIII 02 02 02 04.5–8.8 38.27N 142.09E 84–68 3.4,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s108.00000°,δ65.00000°,λ-25.00000°. NP2:ϕ_s209.00000°,δ68.00000°,λ-153.00000°. $M_0$3.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=6.2km az=19.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=66.2km s-min=25.8km az=68.0.
ISC VIII 02 04 56 43.3–2.0 35.51N–.04 141.29E–.09 10–10 3.4b 22 0-148
NIED VIII 02 04 56 00 35.50N 141.20E 17 3.5W **¶601765335**
ISCJB VIII 02 04 56 43.5–1.4 35.51N–.04 141.3E–.10 19–7 4.1s,3.4b
IDC VIII 02 04 56 44.0–1.7 35.41N 141.01E 0 4.1,4.1s
JMA VIII 02 04 56 44.3–.10 35.54N 141.23E 24–1 3.5,4.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ10.00000°,λ-57.00000°. NP2:ϕ_s151.00000°,δ81.00000°,λ-96.00000°. $M_0$2.24000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.5km az=170.7.
IDC Error ellipse: s-maj=36.9km s-min=25.6km az=81.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VIII 02 07 48 44.0–.20 38.76N 142.45E 29–2 3.6
NIED VIII 02 07 48 00 38.80N 142.50E 11 3.5W **¶603650271**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ49.00000°,λ-138.00000°. NP2:ϕ_s135.00000°,δ59.00000°,λ-49.00000°. $M_0$1.80000×10^{14}
ISC VIII 03 10 21 18.1–.35 39.32N–.03 142.11E–.04 51–2 4.8b,4.3s 520 0-145
NIED VIII 03 10 21 00 39.30N 142.10E 53 4.9W,4.3s **¶601514493**
MOS VIII 03 10 21 14.5–.93 39.27N 141.93E 31 5.1b,4.2s
BJI VIII 03 10 21 15.4 39.21N 142.23E 60 5.1b,4.9b
IDC VIII 03 10 21 18.9–1.6 39.33N 141.98E 55–14 4.5,4.4
JMA VIII 03 10 21 18.1 39.34N 142.09E 48–1 4.8,4.4
ISCJB VIII 03 10 21 18.4–.28 39.37N–.02 141.93E–.03 57–2 4.8b,4.2s
GCMT VIII 03 10 21 19.7–.30 39.46N–.02 142.07E–.03 47–1 5.0W,4.2s
NEIC VIII 03 10 21 20.7–.38 39.35N 141.88E 66–3 4.8b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ16.00000°,λ75.00000°. NP2:ϕ_s23.00000°,δ74.00000°,λ94.00000°. $M_0$2.50000×10^{16}
MOS Error ellipse: s-maj=7.8km s-min=4.1km az=109.2.
IDC Error ellipse: s-maj=12.3km s-min=9.1km az=113.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=42.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c59; s86,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.18 $M_{\theta\theta}$-0.84±.11; $M_{\phi\phi}$-2.38±.11; $M_{r\theta}$0.99±.09; $M_{\theta\theta}$-0.77±.08; $M_{\theta\theta}$2.04±.09; Best double couple: NP1:ϕ_s24.00000°,δ64.00000°,λ91.00000°. NP2:ϕ_s201.00000°,δ26.00000°,λ87.00000°. Principal axes: T 3.9890,Plg71.0000° ,Azm297.0000°; N -0.5290,Plg1.0000°,Azm204.0000°; P -3.4640,Plg19.0000° ,Azm113.0000° $M_0$3.72700×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=147.0. Felt at Ishinomaki and Morioka. Recorded [3 JMA] in Iwate.
JMA VIII 03 11 17 42.6 38.25N 141.77E 56–1 3.5
¶606006371
ISC VIII 03 19 28 47.6–1.8 37.27N–.04 141.72E–.06 10–11 3.2b 28 1-57
NIED VIII 03 19 28 00 37.30N 141.80E 35 3.4W **¶601765416**
ISCJB VIII 03 19 28 49.1–1.2 37.29N–.04 141.88E–.07 25–7 3.3b
JMA VIII 03 19 28 50.8–.10 37.30N 141.79E 41–3 3.5
IDC VIII 03 19 28 53.6–2.2 36.24N 141.59E 0 3.4,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s134.00000°,δ37.00000°,λ-40.00000°. NP2:ϕ_s258.00000°,δ67.00000°,λ-120.00000°. $M_0$1.31000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.6km az=16.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=55.8km s-min=27.9km az=50.0.
JMA VIII 03 23 52 11.7–.10 38.34N 141.74E 52–1 3.6
NIED VIII 03 23 52 00 38.30N 141.80E 38 3.7W **¶603651076**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ75.00000°,λ-15.00000°. NP2:ϕ_s151.00000°,δ76.00000°,λ-165.00000°. $M_0$4.14000×10^{14}
ISC VIII 04 00 21 25.8–1.1 36.73N–.03 140.56E–.04 7–7 4.0b,2.9s 47 0-147
NIED VIII 04 00 21 00 36.70N 140.60E 5 3.9W,2.9s **¶601551754**
IDC VIII 04 00 21 24.6–.62 36.73N 140.53E 0 4.0,3.9
ISCJB VIII 04 00 21 25.4–.66 36.73N–.03 140.64E–.06 17–4 3.9b,3.1s
JMA VIII 04 00 21 25.9 36.74N 140.60E 6–1 3.7,3.1s
NEIC VIII 04 00 21 29.7–2.2 36.76N 140.52E 33–15 4.4b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s128.00000°,δ57.00000°,λ-85.00000°. $M_0$6.89000×10^{14}
IDC Error ellipse: s-maj=15.5km s-min=14.5km az=121.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.8km az=24.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s302.00000°,δ56.00000°,λ-103.00000°. NP2:ϕ_s144.00000°,δ36.00000°,λ-71.00000°. Principal axes: T Plg10.0000°,Azm41.0000°; N Plg11.0000°,Azm309.0000°; P Plg75.0000° ,Azm173.0000°
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.2km az=149.0.
ISC VIII 04 02 57 10.9–.95 35.76N–.05 140.47E–.04 32–7 3.3b 26 0-57
IDC VIII 04 02 57 06.7–1.2 35.60N 140.55E 0 3.5,3.4 **¶601765427**
ISCJB VIII 04 02 57 11.1–.56 35.85N–.04 140.58E–.06 42–5 3.5s,3.4b
JMA VIII 04 02 57 11.7–.10 35.86N 140.53E 36–1 3.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=19.4km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.0km az=138.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s53.00000°,δ62.00000°,λ89.00000°. NP2: ϕ_s235.00000°,δ28.00000°,λ92.00000°. Principal axes: T Plg73.0000°,Azm321.0000° ; N Plg1.0000°,Azm54.0000°; P Plg17.0000°,Azm144.0000°
ISC VIII 04 04 27 58.4–1.3 38.42N–.05 142.07E–.09 54–11 3.7b 48 1-89
NIED VIII 04 04 27 00 38.40N 142.00E 65 3.7W **¶601765437**
ISCJB VIII 04 04 27 57.6–.70 38.40N–.04 142.06E–.07 65–5 3.6b
IDC VIII 04 04 27 59.0–2.2 38.38N 142.06E 62–20 3.8,3.6
JMA VIII 04 04 27 59.2–.10 38.43N 141.97E 62–1 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ43.00000°,λ85.00000°. NP2:ϕ_s62.00000°,δ48.00000°,λ95.00000°. $M_0$3.68000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.5km az=20.1.
IDC Error ellipse: s-maj=18.4km s-min=15.1km az=88.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VIII 04 10 58 10.6–.10 37.41N 141.80E 49–2 3.7
NIED VIII 04 10 58 00 37.40N 141.80E 74 3.6W **¶603651285**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s161.00000°,δ31.00000°,λ75.00000°. NP2:ϕ_s358.00000°,δ60.00000°,λ99.00000°. $M_0$3.22000×10^{14}
ISC VIII 04 13 08 11.8–1.2 36.86N–.02 140.53E–.04 0–8 3.7b,2.9s 37 0-147
NIED VIII 04 13 08 00 36.80N 140.60E 8 3.6W,2.9s **¶601765451**
ISCJB VIII 04 13 08 11.5–.47 36.87N–.02 140.58E–.04 8–3 3.5b,3.5s
JMA VIII 04 13 08 11.7 36.85N 140.57E 7–1 3.7,3.5s
IDC VIII 04 13 08 11.3–.95 36.73N 140.38E 0 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ23.00000°,λ-109.00000°. NP2:ϕ_s199.00000°,δ68.00000°,λ-82.00000°. $M_0$2.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=20.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ80.00000°,λ-79.00000°. NP2:ϕ_s336.00000°,δ15.00000°,λ-136.00000°. Principal axes: T Plg34.0000°,Azm284.0000°; N Plg11.0000°,Azm21.0000°; P Plg54.0000°

,Azm126.0000°
IDC Error ellipse: s-maj=23.9km s-min=21.2km az=168.0.
ISC VIII 04 18 34 30.9–1.3 36.28N–.05 141.74E–.09 26 3.4b 19 1-56
ISCJB VIII 04 18 34 28.3–1.0 36.26N–.06 142.00E–.10 26 3.4b **¶601765464**
JMA VIII 04 18 34 31.2–.20 36.32N 141.73E 56–5 2.7
IDC VIII 04 18 34 35.1–7.2 36.13N 141.46E 48–51 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.9km az=10.3.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=84.3km s-min=18.4km az=76.0.
ISC VIII 04 20 05 30.2–1.6 38.63N–.05 142.0E–.10 42–13 3.9b 27 1-73
NIED VIII 04 20 05 00 38.60N 141.90E 56 3.8W **¶601765466**
ISCJB VIII 04 20 05 29.1–1.1 38.63N–.05 142.0E–.10 52–7 3.9b
JMA VIII 04 20 05 30.4–.10 38.64N 141.91E 48–1 3.8
IDC VIII 04 20 05 30.8–2.8 38.62N 142.07E 55–22 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S179.00000°,δ23.00000°,λ74.00000°. NP2:ϕ_S16.00000°,δ68.00000°,λ96.00000°. $M_0$5.25000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=17.0km s-min=6.3km az=21.1.
JMA Event type fe.
IDC Error ellipse: s-maj=35.0km s-min=16.2km az=102.0.
ISC VIII 04 20 42 13.3–1.1 36.27N–.05 141.72E–.08 26 3.3b 19 1-56
ISCJB VIII 04 20 42 10.7–.91 36.21N–.05 141.94E–.09 26 3.3b **¶601765469**
JMA VIII 04 20 42 12.0–.20 36.30N 141.80E 66 2.9
IDC VIII 04 20 42 17.9–3.3 36.09N 141.53E 65–30 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.5km az=178.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=34.1km s-min=17.5km az=85.0.
ISC VIII 04 21 45 05.9–1.8 36.26N–.05 141.26E–.05 11–11 3.7b 41 1-147
NIED VIII 04 21 45 00 36.30N 141.20E 32 3.8W **¶601551753**
IDC VIII 04 21 45 04.2–.74 36.18N 141.18E 0 3.9,3.9L
JMA VIII 04 21 45 08.5–.10 36.23N 141.14E 47–2 3.8,3.9L
NEIC VIII 04 21 45 09.2–3.8 36.26N 141.24E 32–26 4.3b,3.9L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S51.00000°,δ37.00000°,λ-60.00000°. NP2:ϕ_S195.00000°,δ59.00000°,λ-110.00000°. $M_0$5.68000×10^{14}
IDC Error ellipse: s-maj=19.4km s-min=18.2km az=180.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.5km az=139.0.
JMA VIII 04 23 52 04.3–.20 37.35N 141.92E 38–3 3.6
NIED VIII 04 23 52 00 37.40N 141.90E 29 3.4W **¶603651545**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S221.00000°,δ21.00000°,λ-22.00000°. NP2:ϕ_S332.00000°,δ82.00000°,λ-110.00000°. $M_0$1.33000×10^{14}
ISC VIII 05 14 51 23.1–2.0 39.02N–.05 142.43E–.09 23–13 3.7b 25 1-59
ISCJB VIII 05 14 51 22.2–1.4 39.05N–.04 142.51E–.08 25–7 3.7b **¶601765498**
JMA VIII 05 14 51 24.6–.10 39.08N 142.38E 35–1 3.4
IDC VIII 05 14 51 25.4–3.1 39.08N 142.78E 51–27 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.2km az=17.2.
IDC Error ellipse: s-maj=45.1km s-min=17.9km az=95.0.
ISC VIII 05 15 50 35.0–.87 35.67N–.04 140.86E–.07 14–5 3.6b 27 0-148
NIED VIII 05 15 50 00 35.70N 140.80E 11 3.7W **¶601765501**
ISCJB VIII 05 15 50 34.0–.73 35.69N–.03 140.95E–.07 21–4 3.5b
IDC VIII 05 15 50 33.4–.80 35.64N 140.76E 0 3.7,3.5
JMA VIII 05 15 50 35.3–.10 35.66N 140.85E 12–1 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S1.00000°,δ42.00000°,λ-88.00000°. NP2:ϕ_S179.00000°,δ48.00000°,λ-92.00000°. $M_0$3.84000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.4km az=2.7.
IDC Error ellipse: s-maj=25.6km s-min=16.1km az=94.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 05 21 33 59.4–1.9 39.32N–.04 142.49E–.08 12–10 3.6b 27 1-59
JMA VIII 05 21 34 03.1–.10 39.29N 142.46E 49–1 3.2 **¶601765518**
IDC VIII 05 21 34 04.0–2.0 39.73N 141.38E 0 3.5b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=48.4km s-min=23.6km az=94.0.
ISC VIII 05 22 28 12.4–1.6 39.79N–.03 142.26E–.07 14–9 4.1b 70 0-73
NIED VIII 05 22 28 00 39.80N 142.30E 8 3.8W **¶601713616**
IDC VIII 05 22 28 11.1–.88 39.87N 142.19E 0 3.9,3.9
ISCJB VIII 05 22 28 12.4–.80 39.79N–.03 142.25E–.07 26–4 4.1b,3.9
JMA VIII 05 22 28 12.4 39.77N 142.28E 22–1 4.0,3.9
NEIC VIII 05 22 28 15.8–1.7 39.86N 142.17E 33–12 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S308.00000°,δ66.00000°,λ-15.00000°. NP2:ϕ_S44.00000°,δ76.00000°,λ-155.00000°. $M_0$5.08000×10^{14}
IDC Error ellipse: s-maj=22.3km s-min=15.7km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.0km az=15.4.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.3km az=115.0. Recorded [4 JMA] in Iwate.
ISC VIII 06 02 34 11.2–.75 35.54N–.04 140.84E–.05 50–7 4.2b,3.1s 75 0-148
NIED VIII 06 02 34 00 35.70N 140.70E 50 4.2W,3.1s **¶601521127**
BJI VIII 06 02 34 08.3 35.30N 141.03E 60 5.0b,4.7s
ISCJB VIII 06 02 34 10.7–.40 35.62N–.03 140.78E–.05 51–3 4.2b,3.1s
NEIC VIII 06 02 34 10.4–.95 35.43N 140.94E 54–10 4.6b,3.1s
JMA VIII 06 02 34 11.4–.10 35.65N 140.72E 45–1 3.7,3.1s
IDC VIII 06 02 34 15.7–2.5 35.67N 140.62E 78–18 3.9,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S283.00000°,δ24.00000°,λ-171.00000°. NP2:ϕ_S184.00000°,δ86.00000°,λ-67.00000°. $M_0$1.93000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=175.1.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=9.2km az=86.0. Recorded [2 JMA] in Chiba.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=16.0km az=171.0.
ISC VIII 06 13 13 33.6–.54 38.19N–.04 141.74E–.06 48–3 4.0b 64 0-146
NIED VIII 06 13 13 00 38.20N 141.70E 50 4.2W **¶601765556**
ISCJB VIII 06 13 13 32.8–.66 38.17N–.03 141.72E–.07 56–5 3.9b
JMA VIII 06 13 13 33.7–.10 38.18N 141.69E 51–1 4.0
IDC VIII 06 13 13 33.9–.50 38.20N 141.56E 47–3 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S223.00000°,δ27.00000°,λ112.00000°. NP2:ϕ_S18.00000°,δ65.00000°,λ79.00000°. $M_0$2.02000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.1km az=19.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=11.5km az=90.0.
ISC VIII 06 17 23 28.0–1.8 38.27N–.04 142.15E–.07 12–10 3.7b 42 1-89
NIED VIII 06 17 23 00 38.30N 142.20E 32 3.7W **¶601765565**
JMA VIII 06 17 23 30.8–.10 38.31N 142.13E 37–1 4.3
IDC VIII 06 17 23 32.2–2.5 38.30N 142.20E 41–22 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S117.00000°,δ39.00000°,λ10.00000°. NP2:ϕ_S19.00000°,δ84.00000°,λ129.00000°. $M_0$3.99000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=14.3km az=107.0.
ISC VIII 06 21 11 47.2–.95 35.62N–.04 140.78E–.07 10–8 3.5b 24 0-59
NIED VIII 06 21 11 00 35.70N 141.00E 11 3.7W **¶601765574**
IDC VIII 06 21 11 45.4–1.3 35.59N 140.78E 0 3.8s,3.8
ISCJB VIII 06 21 11 46.3–.80 35.66N–.04 140.94E–.08 20–4 3.7s,3.5b
JMA VIII 06 21 11 47.1–.20 35.66N 140.87E 14–1 3.9,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S9.00000°,δ37.00000°,λ-84.00000°. NP2:ϕ_S181.00000°,δ54.00000°,λ-95.00000°. $M_0$3.49000×10^{14}
IDC Error ellipse: s-maj=29.9km s-min=19.3km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.6km az=163.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VIII 06 22 57 15.4–.10 38.42N 142.25E 27–1 3.7
NIED VIII 06 22 57 00 38.40N 142.20E 29 3.4W **¶603652345**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S127.00000°,δ31.00000°,λ132.00000°. NP2:ϕ_S261.00000°,δ68.00000°,λ68.00000°. $M_0$1.19000×10^{14}

ISC VIII 07 04 18 33.6–.54 37.53N–.04 141.85E–.04 30–3 4.5b,3.5s 244 1-146
NIED VIII 07 04 18 00 37.50N 141.90E 32 4.2W,3.5s **¶601521557**
BJI VIII 07 04 18 30.1 37.13N 142.05E 35 4.9b,4.7b
JMA VIII 07 04 18 32.6–.10 37.56N 141.86E 35–3 4.5,4.7b
ISCJB VIII 07 04 18 32.1–.69 37.51N–.03 141.83E–.03 28–4 4.5b,3.6s
NEIC VIII 07 04 18 33.8–1.4 37.53N 141.77E 29–9 4.6b,3.6s
IDC VIII 07 04 18 33.7–.52 37.49N 141.85E 33–3 4.4,4.3
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S258.00000°,δ11.00000°,λ-161.00000°. NP2:ϕ_S150.00000°,δ87.00000°,λ-80.00000°. $M_0$2.57000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=137.0. Felt at Iwaki and Sendai. Recorded [3 JMA] in Fukushima.
IDC Error ellipse: s-maj=12.3km s-min=9.9km az=126.0.
ISC VIII 07 09 22 06.3–1.6 36.54N–.06 141.0E–.10 42–10 3.4b 21 0-57
IDC VIII 07 09 21 59.3–2.7 36.59N 141.41E 0 3.6,3.5b **¶601765596**
ISCJB VIII 07 09 22 06.0–.97 36.53N–.05 140.98E–.08 50–6 3.4b,3.5b
JMA VIII 07 09 22 07.0–.10 36.56N 140.91E 49–1 3.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=67.8km s-min=31.1km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=7.6km az=30.7.
JMA Event type fe.
ISC VIII 07 13 49 02.1–1.9 38.28N–.04 142.19E–.08 24–13 3.6b 28 1-58
IDC VIII 07 13 48 57.6–1.9 38.61N 142.41E 0 3.4,3.4 **¶601765607**
NIED VIII 07 13 49 00 38.30N 142.10E 38 3.6W,3.4
JMA VIII 07 13 49 04.9–.10 38.35N 142.09E 35–1 3.9,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=42.2km s-min=22.9km az=91.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S123.00000°,δ71.00000°,λ0.00000°. NP2:ϕ_S33.00000°,δ90.00000°,λ161.00000°. $M_0$3.00000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 07 16 11 19.8–.92 39.13N–.04 142.37E–.05 42–8 4.6b,3.8s 281 1-155
NIED VIII 07 16 11 00 39.10N 142.40E 35 4.6W,3.8s **¶601529236**
JMA VIII 07 16 11 17.7–.10 39.12N 142.43E 33–1 4.7,3.8s
ISCJB VIII 07 16 11 18.5–.44 39.11N–.03 142.34E–.03 42–3 4.6b,3.9s
BJI VIII 07 16 11 19.1 39.08N 142.37E 56 5.0b,4.7b
NEIC VIII 07 16 11 20.9–.38 39.10N 142.32E 51–3 4.7b,4.7b
IDC VIII 07 16 11 20.7–1.6 39.05N 142.34E 50–15 4.4,4.3L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S314.00000°,δ22.00000°,λ-127.00000°. NP2:ϕ_S173.00000°,δ72.00000°,λ-76.00000°. $M_0$1.05000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S303.00000°,δ64.00000°,λ-128.00000°. NP2:ϕ_S184.00000°,δ45.00000°,λ-38.00000°. Principal axes: T Plg11.0000°,Azm60.0000°; N Plg34.0000°,Azm323.0000°; P Plg54.0000°,Azm165.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=138.1.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=142.0. Felt at Morioka and Sendai. Recorded [3 JMA] in Iwate.
IDC Error ellipse: s-maj=12.0km s-min=9.6km az=109.0.
ISC VIII 07 21 23 29.1–.93 35.93N–.04 140.95E–.09 31 3.7b 23 0-60
IDC VIII 07 21 23 22.3–1.6 35.94N 141.42E 0 3.8,3.7 **¶601765626**
ISCJB VIII 07 21 23 27.3–.84 35.93N–.04 141.19E–.09 31 3.6b,2.5s
JMA VIII 07 21 23 30.6–.10 35.88N 140.83E 41–1 3.3,2.5s
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=18.9km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.1km az=168.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S37.00000°,δ76.00000°,λ92.00000°. NP2: ϕ_S209.00000°,δ14.00000°,λ83.00000°. Principal axes: T Plg59.0000°,Azm309.0000° ; N Plg2.0000°,Azm216.0000°; P Plg31.0000°,Azm125.0000°
ISC VIII 07 22 05 30.9–4.0 37.35N–.07 142.0E–.10 6–23 3.6b 21 1-57
ISCJB VIII 07 22 05 28.0–2.1 37.28N–.07 142.16E–.08 6–16 3.5b **¶601765627**
JMA VIII 07 22 05 29.0–.20 37.23N 142.20E 30–4 3.3
IDC VIII 07 22 05 31.3–2.5 37.59N 141.88E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=10.5km az=151.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=63.3km s-min=28.5km az=66.0.
ISC VIII 07 23 54 08.4–.89 36.91N–.03 141.29E–.05 24–5 4.4b,3.6s 126 0-152
NIED VIII 07 23 54 00 36.90N 141.40E 8 4.1W,3.6s **¶601532042**
JMA VIII 07 23 54 06.3–.10 36.89N 141.38E 33–1 4.4,3.6s
ISCJB VIII 07 23 54 06.8–.70 36.89N–.02 141.33E–.04 25–4 4.4b,3.5s
BJI VIII 07 23 54 08.1 36.90N 141.20E 34 5.0b,4.5b
IDC VIII 07 23 54 11.0–1.8 36.87N 141.14E 45–17 4.3,4.2
NEIC VIII 07 23 54 11.0–.62 36.89N 141.21E 45–5 4.4b,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S30.00000°,δ41.00000°,λ-97.00000°. NP2:ϕ_S219.00000°,δ49.00000°,λ-84.00000°. $M_0$1.68000×10^{15}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=15.3.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.0km az=135.0. Felt at Hitachi, Iwaki and Sukagawa. Recorded [2 JMA] in Fukushima and Ibaraki.
JMA VIII 08 14 09 12.9–.10 39.11N 142.12E 46–1 3.5
NIED VIII 08 14 09 00 39.10N 142.10E 47 3.5W **¶606008631**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S212.00000°,δ25.00000°,λ96.00000°. NP2:ϕ_S26.00000°,δ65.00000°,λ87.00000°. $M_0$2.18000×10^{14}
ISC VIII 08 16 42 18.7–1.1 36.42N–.05 141.69E–.08 19 3.4b 24 1-60
IDC VIII 08 16 42 15.5–1.6 36.37N 141.89E 0 3.5,3.5 **¶601765662**
ISCJB VIII 08 16 42 16.4–.77 36.45N–.04 141.90E–.07 19 3.4b,3.5
JMA VIII 08 16 42 20.4–.10 36.47N 141.62E 47–4 3.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=20.9km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.9km az=19.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 09 01 18 23.5–2.1 39.13N–.04 142.48E–.09 10–11 3.7b 22 1-59
IDC VIII 09 01 18 19.9–2.7 39.24N 142.99E 0 3.6,3.5 **¶601765680**
JMA VIII 09 01 18 26.2–.10 39.11N 142.42E 29–1 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=30.6km az=69.0.
ISC VIII 09 02 43 00.6–1.2 36.26N–.05 141.97E–.09 19 4.5s,3.8b 25 1-88
IDC VIII 09 02 42 56.9–1.7 36.27N 142.21E 0 3.9b,3.8 **¶606362999**
ISCJB VIII 09 02 42 57.9–.89 36.21N–.05 142.16E–.09 19 4.4s,3.8b
JMA VIII 09 02 43 02.2–.30 36.32N 141.80E 61 3.3,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=23.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.7km az=19.9.
JMA Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
JMA VIII 09 04 33 01.0–.10 38.30N 141.87E 47–1 3.5
¶606008997
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 09 10 26 52.8–1.1 36.26N–.05 141.85E–.07 19 3.4b 23 1-56
IDC VIII 09 10 26 50.5–1.3 36.17N 141.86E 0 3.6,3.6 **¶601765695**
ISCJB VIII 09 10 26 51.2–.81 36.27N–.05 141.98E–.07 19 3.6b,3.6
JMA VIII 09 10 26 52.9–.20 36.31N 141.85E 71 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=25.1km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.9km az=41.6.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
JMA VIII 09 20 36 42.7–.10 37.06N 141.20E 50–1 3.7
NIED VIII 09 20 36 00 37.00N 141.30E 44 3.4W **¶603653807**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S231.00000°,δ23.00000°,λ119.00000°. NP2:ϕ_S20.00000°,δ70.00000°,λ79.00000°. $M_0$1.63000×10^{14}
ISC VIII 09 20 38 23.6–1.2 36.81N–.03 141.26E–.05 19–4 4.2b 55 0-90
NIED VIII 09 20 38 00 36.80N 141.30E 8 4.0W **¶601734861**
ISCJB VIII 09 20 38 23.0–.84 36.80N–.03 141.29E–.06 27–5 4.2b,3.0s
JMA VIII 09 20 38 23.0–.10 36.78N 141.27E 37–1 4.3,3.0s
IDC VIII 09 20 38 28.8–1.8 36.75N 141.12E 61–16 4.1,4.0

NEIC VIII 09 20 38 29.3–1.3 36.74N 141.09E 66–10 4.8b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ50.00000°,λ-125.00000°. NP2:ϕ_s222.00000°,δ51.00000°,λ-56.00000°. $M_0$1.08000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=14.9.
JMA Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=9.8km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=9.1km az=107.0. Recorded [2 JMA] in Fukushima and Ibaraki.
ISC VIII 09 22 18 56.0–.95 36.77N–.04 140.57E–.05 17–8 3.4b 22 0-57
IDC VIII 09 22 18 55.8–1.7 37.19N 140.52E 0 3.5,3.3 **¶601765715**
ISCJB VIII 09 22 18 56.9–.60 36.76N–.03 140.60E–.06 6–5 3.4b,3.3
JMA VIII 09 22 18 57.3 36.76N 140.59E 7–1 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=19.0km az=154.0.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=3.9km az=20.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s319.00000°,δ46.00000°,λ-95.00000°. NP2:ϕ_s147.00000°,δ44.00000°,λ-84.00000°. Principal axes: T Plg1.0000°,Azm53.0000°; N Plg4.0000°,Azm323.0000°; P Plg86.0000°,Azm157.0000°
JMA VIII 10 00 43 14.7–.10 37.27N 141.73E 41–2 3.6
NIED VIII 10 00 43 00 37.30N 141.70E 41 3.5W **¶603653862**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ33.00000°,λ-19.00000°. NP2:ϕ_s262.00000°,δ80.00000°,λ-121.00000°. $M_0$1.84000×10^{14}
ISC VIII 10 00 59 20.0–2.5 37.55N–.04 141.95E–.07 10–15 3.8b 28 1-61
NIED VIII 10 00 59 00 37.50N 141.90E 32 3.7W **¶601765719**
IDC VIII 10 00 59 19.0–1.2 37.53N 141.96E 0 3.9,3.9L
JMA VIII 10 00 59 22.5–.10 37.56N 141.86E 33–3 3.9,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ35.00000°,λ155.00000°. NP2:ϕ_s339.00000°,δ76.00000°,λ57.00000°. $M_0$3.87000×10^{14}
IDC Error ellipse: s-maj=34.6km s-min=23.5km az=107.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VIII 10 04 45 08.8–.10 38.43N 141.67E 54–1 3.5
NIED VIII 10 04 45 00 38.40N 141.70E 8 3.6W **¶603653950**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ72.00000°,λ11.00000°. NP2:ϕ_s223.00000°,δ79.00000°,λ161.00000°. $M_0$2.64000×10^{14}
ISC VIII 10 11 07 52.9–1.6 35.79N–.05 141.05E–.08 11–8 3.4b 16 0-51
NIED VIII 10 11 07 00 35.80N 141.10E 11 3.5W **¶601765726**
ISCJB VIII 10 11 07 51.1–1.3 35.80N–.05 141.14E–.08 9–7 3.4b
JMA VIII 10 11 07 53.5–.20 35.76N 140.98E 15–1 3.6
IDC VIII 10 11 08 05.1–7.4 36.61N 140.25E 34–44 3.4,3.3L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ34.00000°,λ-106.00000°. NP2:ϕ_s20.00000°,δ58.00000°,λ-79.00000°. $M_0$1.89000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=8.5km az=19.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=103.1km s-min=28.4km az=154.0.
JMA VIII 10 13 01 46.4–.20 35.74N 140.98E 13–1 2.4
¶606009647
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VIII 10 17 10 39.0–.10 38.39N 142.25E 29–1 3.8
NIED VIII 10 17 10 00 38.40N 142.30E 14 3.3W **¶603654255**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ31.00000°,λ-73.00000°. NP2:ϕ_s346.00000°,δ61.00000°,λ-100.00000°. $M_0$1.12000×10^{14}
ISC VIII 11 05 29 05.7–2.1 35.94N–.04 141.09E–.08 6–14 3.5b 19 0-51
NIED VIII 11 05 29 00 35.90N 141.10E 20 3.7W **¶601765744**
ISCJB VIII 11 05 29 04.0–1.3 35.96N–.05 141.28E–.07 8–6 3.4b
IDC VIII 11 05 29 05.2–1.9 36.01N 141.15E 0 3.4,3.4b
JMA VIII 11 05 29 06.2–.20 35.90N 141.09E 30–2 3.5,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ55.00000°,λ31.00000°. NP2:ϕ_s151.00000°,δ65.00000°,λ141.00000°. $M_0$3.38000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.4km az=156.5.
IDC Error ellipse: s-maj=36.6km s-min=28.7km az=163.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 11 10 30 07.5–.52 37.16N–.04 141.18E–.05 60–4 4.3b,3.7s 191 0-90
NIED VIII 11 10 30 00 37.10N 141.30E 59 4.3W,3.7s **¶601551773**
BJI VIII 11 10 30 05.4 36.98N 141.20E 54 4.9b,4.6b
MOS VIII 11 10 30 06.4–1.0 37.29N 141.17E 57 4.5b,4.6b
ISCJB VIII 11 10 30 07.2–.34 37.14N–.03 141.14E–.04 65–2 4.2b,4.6b
JMA VIII 11 10 30 07.5–.10 37.13N 141.18E 60–1 4.4,4.6b
NEIC VIII 11 10 30 08.7–.22 37.27N 141.07E 59 4.5b,4.6b
IDC VIII 11 10 30 09.7–1.8 37.12N 141.08E 77–17 4.2,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s76.00000°,δ11.00000°,λ159.00000°. NP2:ϕ_s187.00000°,δ86.00000°,λ79.00000°. $M_0$3.59000×10^{15}
MOS Error ellipse: s-maj=8.0km s-min=5.9km az=88.7.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=26.7.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=151.0. Felt at Edosaki, Hitachi, Iwaki and Mito. Recorded [3 JMA] in Fukushima.
IDC Error ellipse: s-maj=15.7km s-min=13.3km az=164.0.
JMA VIII 11 13 13 21.3–.10 38.48N 142.25E 27–1 3.5
¶606010173
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 11 14 58 34.2–1.7 37.46N–.04 141.35E–.06 12–10 3.8b 40 0-90
IDC VIII 11 14 58 32.5–.96 37.51N 141.37E 0 3.8,3.7 **¶601765756**
ISCJB VIII 11 14 58 34.0–.82 37.43N–.03 141.47E–.06 22–5 3.7b,3.7
JMA VIII 11 14 58 36.3–.10 37.46N 141.30E 30–1 4.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=18.7km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.5km az=18.1.
JMA Event type fe.
ISC VIII 12 20 36 56.7–1.9 36.82N–.04 141.36E–.07 6–11 3.7b 36 1-147
NIED VIII 12 20 36 00 36.80N 141.30E 5 3.7W **¶601765785**
ISCJB VIII 12 20 36 55.3–1.7 36.82N–.04 141.43E–.05 9–11 4.1s,3.7b
IDC VIII 12 20 36 56.3–1.1 36.90N 141.24E 0 3.8,3.7
JMA VIII 12 20 36 57.4–.10 36.83N 141.33E 30–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ43.00000°,λ-109.00000°. NP2:ϕ_s47.00000°,δ50.00000°,λ-73.00000°. $M_0$3.79000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=33.2.
IDC Error ellipse: s-maj=25.6km s-min=22.7km az=170.0.
ISC VIII 13 00 36 38.7–.86 40.53N–.04 141.53E–.07 82–6 3.7b 34 0-88
ISCJB VIII 13 00 36 37.9–.51 40.53N–.03 141.53E–.08 90–3 3.6b **¶601765792**
JMA VIII 13 00 36 39.0–.10 40.54N 141.55E 80–1 3.3
IDC VIII 13 00 36 39.9–2.0 40.59N 141.48E 91–16 3.7,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.2km az=4.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s34.00000°,δ84.00000°,λ-107.00000°. NP2:ϕ_s286.00000°,δ18.00000°,λ-19.00000°. Principal axes: T Plg37.0000°,Azm139.0000°; N Plg17.0000°,Azm35.0000°; P Plg48.0000°,Azm285.0000°
IDC Error ellipse: s-maj=22.9km s-min=14.7km az=112.0.
ISC VIII 13 05 10 59.6–2.0 38.45N–.04 142.28E–.08 16–11 3.7b 29 1-62
IDC VIII 13 05 10 57.4–2.0 38.59N 142.42E 0 3.6,3.6b **¶601765796**
ISCJB VIII 13 05 11 00.6–1.1 38.43N–.04 142.30E–.07 31–6 3.6b,3.6b
NIED VIII 13 05 11 00 38.40N 142.20E 17 3.5W,3.6b
JMA VIII 13 05 11 02.5–.10 38.44N 142.18E 31–1 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=21.1km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.8km az=9.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s294.00000°,δ52.00000°,λ-155.00000°. NP2:ϕ_s189.00000°,δ71.00000°,λ-41.00000°. $M_0$1.88000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 13 18 41 22.1–1.6 36.28N–.04 141.11E–.06 18–5 3.7b 34 0-78
NIED VIII 13 18 41 00 36.20N 141.10E 20 4.1W **¶601765808**
IDC VIII 13 18 41 19.6–.85 36.29N 141.14E 0 3.8,3.8
ISCJB VIII 13 18 41 22.8–.69 36.26N–.03 141.09E–.06 35–7 3.5b,3.1s
JMA VIII 13 18 41 23.1–.10 36.22N 141.05E 41–2 3.6,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ31.00000°,λ-79.00000°. NP2:ϕ_s197.00000°,δ60.00000°,λ-96.00000°. $M_0$1.35000×10^{15}
IDC Error ellipse: s-maj=19.7km s-min=18.1km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.0km az=6.3.
JMA VIII 13 22 54 45.6–.10 36.75N 141.09E 29–1 3.7
NIED VIII 13 22 54 00 36.70N 141.10E 8 3.3W **¶606011726**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ28.00000°,λ-109.00000°. NP2:ϕ_s11.00000°,δ63.00000°,λ-80.00000°. $M_0$1.15000×10^{14}
ISC VIII 14 08 21 26.9–.81 35.92N–.05 140.26E–.06 58–7 3.7b 36 0-92
ISCJB VIII 14 08 21 27.1–.47 35.94N–.04 140.19E–.05 70–4 3.7b **¶601765825**
JMA VIII 14 08 21 28.6–.10 36.00N 140.14E 59–1 3.4
IDC VIII 14 08 21 29.1–1.6 35.83N 140.11E 78–16 3.8,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=6.2km az=160.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s17.00000°,δ87.00000°,λ90.00000°. NP2: ϕ_s197.00000°,δ3.00000°,λ90.00000°. Principal axes: T Plg48.0000°,Azm287.0000°; N Plg0.0000°,Azm17.0000°; P Plg42.0000°,Azm107.0000°
IDC Error ellipse: s-maj=21.9km s-min=7.8km az=62.0.
JMA VIII 14 08 49 45.6–.10 39.34N 142.40E 27–1 3.6
¶606011925
JMA Event type fe.
ISC VIII 14 11 29 54.2–2.0 37.14N–.05 141.54E–.07 3–13 3.5b 19 1-49
ISCJB VIII 14 11 29 54.3–1.6 37.13N–.05 141.50E–.07 11–8 3.6b **¶601765832**
IDC VIII 14 11 29 55.2–1.9 37.29N 141.33E 0 3.6,3.6b
JMA VIII 14 11 29 56.4–.10 37.16N 141.40E 26–1 3.0,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.3km az=20.6.
IDC Error ellipse: s-maj=41.3km s-min=24.4km az=130.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 14 14 18 26.0–2.3 37.25N–.04 141.96E–.06 23–17 4.0b 79 1-146
NIED VIII 14 14 18 00 37.30N 141.80E 32 4.0W **¶606012070**
ISCJB VIII 14 14 18 26.8–.69 37.24N–.03 141.85E–.06 40–6 4.6s,4.0b
JMA VIII 14 14 18 27.4–.10 37.33N 141.81E 43–3 4.2,4.0b
NEIC VIII 14 14 18 29.9–.71 37.20N 141.82E 52–7 4.7b,4.0b
IDC VIII 14 14 18 31.3–2.3 37.22N 141.74E 63–21 4.5s,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ18.00000°,λ-111.00000°. NP2:ϕ_s232.00000°,δ73.00000°,λ-83.00000°. $M_0$1.12000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=9.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.1km az=110.0. Recorded [1 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=18.5km s-min=14.9km az=84.0.
JMA VIII 14 18 48 07.0–.10 38.53N 142.25E 42–1 3.9
NIED VIII 14 18 48 00 38.50N 142.30E 38 3.6W **¶603656696**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ40.00000°,λ105.00000°. NP2:ϕ_s41.00000°,δ51.00000°,λ78.00000°. $M_0$2.66000×10^{14}
JMA VIII 16 06 00 57.5–.10 37.74N 141.81E 35–2 3.6
¶606013002
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VIII 16 06 02 20.1–.20 37.37N 141.98E 28–4 3.6
¶606013003
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VIII 16 08 09 45.0–.10 37.63N 141.89E 26–3 3.5
¶606013032
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VIII 16 10 02 58.5–.20 37.09N 141.62E 42–2 3.6
¶606013065
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 16 14 39 37.2–1.9 39.72N–.05 142.95E–.07 6–11 3.3b 25 1-60
IDC VIII 16 14 39 38.7–2.1 39.45N 143.08E 0 3.4,3.3 **¶601765947**
ISCJB VIII 16 14 39 39.6–1.4 39.53N–.04 142.83E–.06 4–7 3.3b,3.3
JMA VIII 16 14 39 40.8–.10 39.59N 142.84E 22–2 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=54.2km s-min=23.5km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.1km az=29.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 16 16 53 29.8–1.1 36.76N–.03 140.57E–.05 7–8 3.6b 23 0-76
NIED VIII 16 16 53 00 36.80N 140.60E 5 3.4W **¶601765951**
ISCJB VIII 16 16 53 29.2–.66 36.77N–.03 140.60E–.06 12–4 3.5b
JMA VIII 16 16 53 29.6 36.77N 140.57E 9 3.6
IDC VIII 16 16 53 36.0–2.9 36.66N 140.25E 62–28 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ33.00000°,λ-97.00000°. NP2:ϕ_s175.00000°,δ57.00000°,λ-85.00000°. $M_0$1.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.0km az=18.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s202.00000°,δ74.00000°,λ-78.00000°. NP2:ϕ_s344.00000°,δ20.00000°,λ-126.00000°. Principal axes: T Plg28.0000°,Azm282.0000°; N Plg11.0000°,Azm18.0000°; P Plg59.0000°,Azm128.0000°
IDC Error ellipse: s-maj=29.9km s-min=21.7km az=76.0.
ISC VIII 17 06 15 14.2–1.1 37.32N–.04 141.98E–.04 31–7 4.6b,3.8s 191 1-147
NIED VIII 17 06 15 00 37.40N 141.90E 41 4.5W,3.8s **¶601564821**
BJI VIII 17 06 15 09.5 37.23N 141.94E 11 4.9b,4.6b
MOS VIII 17 06 15 13.7–1.1 37.37N 141.95E 41 4.7b,4.6b
ISCJB VIII 17 06 15 13.8–.56 37.31N–.02 141.91E–.04 40–4 4.5b,3.8s
JMA VIII 17 06 15 14.1–.10 37.35N 141.87E 41–3 4.6,3.8s
IDC VIII 17 06 15 15.5–2.3 37.30N 141.83E 40–21 4.4L,4.3
NEIC VIII 17 06 15 16.0–.56 37.30N 141.85E 42–5 4.6b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ23.00000°,λ-172.00000°. NP2:ϕ_s92.00000°,δ87.00000°,λ-67.00000°. $M_0$6.97000×10^{15}
MOS Error ellipse: s-maj=8.4km s-min=5.8km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=24.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=12.1km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=116.0. Recorded [2 JMA] in Fukushima.
ISC VIII 17 11 37 31.2–.51 36.67N–.04 141.09E–.05 85–4 4.4b 198 0-147
NIED VIII 17 11 37 00 36.70N 141.00E 83 4.2W **¶606013952**
BJI VIII 17 11 37 29.9 36.83N 141.15E 77 4.8b,4.7b
ISCJB VIII 17 11 37 31.6–.30 36.66N–.03 140.96E–.04 92–2 4.3b,4.7b
IDC VIII 17 11 37 31.8–.66 36.63N 140.96E 84–5 4.2,4.1
NEIC VIII 17 11 37 31.9–.56 36.68N 141.01E 81–5 4.4b,4.1
MOS VIII 17 11 37 32.5–.93 36.99N 140.96E 93 4.4b,4.1
JMA VIII 17 11 37 32.0–.10 36.66N 140.99E 89–1 4.3,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s86.00000°,δ42.00000°,λ-51.00000°. NP2:ϕ_s218.00000°,δ59.00000°,λ-120.00000°. $M_0$2.27000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=41.7.
IDC Error ellipse: s-maj=13.8km s-min=13.7km az=170.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=5.8km az=156.0. Felt at Fukushima, Hitachi, Koriyama, Mito and Tsuchiura. Recorded [3 JMA] in Fukushima and Ibaraki.
MOS Error ellipse: s-maj=8.3km s-min=6.1km az=108.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VIII 17 12 02 14.1–.10 37.46N 141.56E 46–1 3.6
NIED VIII 17 12 02 00 37.40N 141.60E 38 3.4W **¶603658446**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ20.00000°,λ55.00000°. NP2:ϕ_s19.00000°,δ74.00000°,λ102.00000°. $M_0$1.22000×10^{14}
ISC VIII 17 15 01 40.9–1.1 35.53N–.05 140.13E–.07 64–11 3.8b 25 1-70
ISCJB VIII 17 15 01 39.9–.65 35.51N–.05 140.14E–.08 74–6 3.7b **¶601765992**
JMA VIII 17 15 01 40.8–.10 35.56N 140.12E 66–2 3.0
IDC VIII 17 15 01 42.3–2.1 35.45N 140.07E 80–16 3.7,3.5

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.2km az=151.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=6.5km az=67.0.
ISC VIII 17 15 43 18.3–.56 35.71N–.05 141.99E–.05 22 4.3b 102 1-91
NIED VIII 17 15 43 00 35.70N 142.00E 14 3.9W **¶601564934**
IDC VIII 17 15 43 15.6–.66 35.62N 141.86E 0 4.3,4.2
ISCJB VIII 17 15 43 16.4–.35 35.65N–.03 142.00E–.04 22 4.2b,4.2
JMA VIII 17 15 43 17.1–.20 35.72N 142.00E 32–3 4.2,4.2
MOS VIII 17 15 43 20.9–.95 36.18N 141.91E 31 4.4b,4.2
NEIC VIII 17 15 43 20.9–1.5 35.56N 141.82E 39–8 4.6b,4.2
BJI VIII 17 15 43 24.8 35.52N 141.19E 57 4.8b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ65.00000°,λ11.00000°. NP2:ϕ_s97.00000°,δ80.00000°,λ155.00000°. $M_0$7.59000×10^{14}
IDC Error ellipse: s-maj=18.4km s-min=14.3km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=148.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.5km s-min=6.6km az=111.6.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=15.3km az=70.0.
ISC VIII 17 16 57 48.1–1.4 35.66N–.06 141.93E–.09 22 19 1-59
IDC VIII 17 16 57 45.3–1.8 35.62N 142.02E 0 3.5,3.4 **¶601766004**
ISCJB VIII 17 16 57 46.1–.86 35.67N–.05 142.03E–.07 22 3.5b,3.4
JMA VIII 17 16 57 47.8–.30 35.71N 141.95E 33–4 2.8,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=26.6km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=7.0km az=164.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 18 03 38 01.4–.89 39.11N–.04 142.22E–.06 32–5 4.1b,3.3s 45 0-81
ISCJB VIII 18 03 38 00.9–.89 39.13N–.04 142.29E–.09 46–6 4.0b,3.3s **¶606014624**
JMA VIII 18 03 38 00.4–.10 39.16N 142.36E 33–1 4.2,3.3s
NIED VIII 18 03 38 00 39.20N 142.40E 38 4.0W,3.3s
IDC VIII 18 03 38 01.6–.77 39.08N 142.22E 34–6 3.9,3.8b
NEIC VIII 18 03 38 04.4–.89 39.12N 142.14E 59–7 4.2b,3.8b
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=5.3km az=15.2.
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ10.00000°,λ-160.00000°. NP2:ϕ_s196.00000°,δ87.00000°,λ-81.00000°. $M_0$1.31000×10^{15}
IDC Error ellipse: s-maj=20.4km s-min=15.3km az=98.0.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=6.9km az=105.0. Recorded [2 JMA] in Iwate.
JMA VIII 18 16 31 53.8–.10 39.76N 142.26E 23–1 3.7 ¶606014948
ISC VIII 19 03 01 51.1–2.0 37.07N–.05 141.82E–.07 17–11 4.0b,3.4s 43 1-90
NIED VIII 19 03 01 00 37.10N 141.70E 35 4.1W,3.4s **¶601652995**
IDC VIII 19 03 01 48.7–.94 37.09N 141.86E 0 4.0,4.0b
ISCJB VIII 19 03 01 50.3–1.4 37.06N–.04 141.88E–.07 24–8 3.9b,3.3s
NEIC VIII 19 03 01 53.9–1.2 37.07N 141.85E 38–9 4.4b,3.3s
JMA VIII 19 03 01 54.0–.30 37.08N 141.65E 49–3 3.9,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ19.00000°,λ93.00000°. NP2:ϕ_s15.00000°,δ71.00000°,λ89.00000°. $M_0$1.34000×10^{15}
IDC Error ellipse: s-maj=24.2km s-min=16.5km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=12.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.2km az=121.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VIII 19 11 40 41.8–.93 38.20N–.04 141.76E–.08 56–7 4.0b,3.7s 53 0-82
NIED VIII 19 11 40 00 38.20N 141.70E 41 3.8W,3.7s **¶601766149**
ISCJB VIII 19 11 40 39.7–.67 38.16N–.03 141.74E–.08 56–5 3.8b,3.7s
JMA VIII 19 11 40 40.8–.10 38.17N 141.69E 51–1 3.7,3.7s
IDC VIII 19 11 40 43.3–.98 38.14N 141.63E 72–6 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ34.00000°,λ72.00000°. NP2:ϕ_s34.00000°,δ57.00000°,λ102.00000°. $M_0$5.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.7km az=18.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=13.7km az=85.0.
ISC VIII 20 00 10 33.5–1.7 40.00N–.06 142.79E–.08 30–11 4.0b 45 1-84
ISCJB VIII 20 00 10 33.7–1.0 40.05N–.04 142.79E–.10 47–7 4.6s,3.9b **¶601667494**
JMA VIII 20 00 10 33.7–.10 40.07N 142.71E 27–2 3.8,3.9b
NEIC VIII 20 00 10 36.2–1.1 40.01N 142.91E 61–7 4.1b,3.9b
IDC VIII 20 00 10 36.6–2.6 40.08N 142.84E 60–18 3.9,3.8
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=6.2km az=13.8.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=7.8km az=106.0. Recorded [1 JMA] in Iwate.
IDC Error ellipse: s-maj=27.7km s-min=15.2km az=108.0.
ISC VIII 20 11 42 45.7–.47 35.88N–.03 140.47E–.03 54–3 5.1b,4.2s 1321 0-158
NIED VIII 20 11 42 00 36.00N 140.50E 53 5.1W,4.2s **¶601605992**
BJI VIII 20 11 42 39.7 35.78N 140.71E 42 5.2b,5.1b
ISCJB VIII 20 11 42 46.4–.20 35.86N–.02 140.30E–.02 67–1 5.0b,5.1b
JMA VIII 20 11 42 46.1–.10 35.92N 140.44E 57–1 5.2,5.1b
MOS VIII 20 11 42 47.8–.88 36.21N 140.24E 68 5.6b,5.1b
IDC VIII 20 11 42 47.6–.99 35.82N 140.42E 70–8 5.2,5.0
NEIC VIII 20 11 42 48.6–.34 35.82N 140.22E 75–3 4.9b,5.0
GCMT VIII 20 11 42 48.6–.20 35.87N–.01 140.52E–.02 53–1 5.1W,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ22.00000°,λ100.00000°. NP2:ϕ_s9.00000°,δ69.00000°,λ86.00000°. $M_0$4.50000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s12.00000°,δ83.00000°,λ90.00000°. NP2:ϕ_s192.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm282.0000°; N Plg0.0000°,Azm12.0000°; P Plg38.0000° ,Azm102.0000°
NEIC Event type fe. Felt [III] at Chiba, Saitama, Tokyo, Tsuchiura, Yokohama, Yokosuka and Zama. Felt widely in east-central Honshu. Recorded [3 JMA] in Gumma, Ibaraki and Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c96; s103,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.99±.17 $M_{\theta\theta}$-0.51±.12; $M_{\phi\phi}$-4.48±.11; $M_{r\theta}$0.56±.10; $M_{\theta\phi}$-1.14±.08; $M_{\theta r}$3.16±.09; Best double couple: NP1:ϕ_s12.00000°,δ62.00000°,λ88.00000°. NP2:ϕ_s197.00000°,δ28.00000°,λ94.00000°. Principal axes: T 5.9540,Plg73.0000° ,Azm276.0000°; N -0.2110,Plg2.0000°,Azm13.0000°; P -5.7380,Plg17.0000°,Azm104.0000° $M_0$5.84600×10^{16}
JMA VIII 20 12 02 25.3–.10 35.94N 140.82E 26–1 3.6 ¶606016013
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 20 14 09 31.8–1.2 38.81N–.05 142.24E–.09 37–2 3.7b 31 1-78
NIED VIII 20 14 09 00 38.90N 142.10E 41 3.6W **¶606016063**
ISCJB VIII 20 14 09 31.5–.94 38.85N–.05 142.16E–.10 51–7 3.8b,3.1s
JMA VIII 20 14 09 33.1–.10 38.86N 142.05E 46–1 3.8,3.1s
IDC VIII 20 14 09 33.6–2.1 38.88N 142.19E 56–18 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ15.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ75.00000°,λ90.00000°. $M_0$2.92000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=5.8km az=22.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=11.3km az=106.0.
ISC VIII 20 16 42 51.3–.47 36.96N–.03 141.50E–.03 27–2 5.1b,4.6s 1103 1-161
NIED VIII 20 16 42 00 36.90N 141.40E 11 5.0W,4.6s **¶601605996**
BJI VIII 20 16 42 49.8 36.91N 141.38E 32 5.0b,5.0b
JMA VIII 20 16 42 50.2–.10 36.91N 141.45E 46–2 5.1,5.0b
IDC VIII 20 16 42 51.8–3.4 36.94N 141.39E 27–22 4.9,4.8
MOS VIII 20 16 42 51.5–.89 37.14N 141.32E 30 5.3b,4.5s
ISCJB VIII 20 16 42 51.8–.31 36.96N–.02 141.36E–.02 38–2 5.0b,4.5s
GCMT VIII 20 16 42 54.0–.20 36.94N–.02 141.52E–.02 26–0 5.1W,4.5s
NEIC VIII 20 16 42 55.0–.34 36.93N 141.32E 56–3 5.1b,4.5s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ22.00000°,λ-90.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ-90.00000°. $M_0$3.59000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=10.9km s-min=8.6km az=108.0.
MOS Error ellipse: s-maj=5.8km s-min=3.9km az=109.3.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=143.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c88; s97,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.64±.16 $M_{\theta\theta}$0.10±.10; $M_{\phi\phi}$4.54±.10; $M_{r\theta}$-0.69±.22; $M_{\theta\phi}$1.12±.07; $M_{\theta r}$-2.71±.17; Best double couple: NP1:ϕ_s14.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s193.00000°,δ30.00000°,λ-91.00000°. Principal axes: T 5.5720,Plg15.0000° ,Azm103.0000°; N -0.1640,Plg0.0000°,Azm194.0000°; P -5.4050,Plg75.0000° ,Azm285.0000° $M_0$5.48800×10^{16}
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=144.0. Felt [IV] at Iwaki and [III] at Sendai. Felt in much of east-central Honshu. Recorded [3 JMA] in Fukushima, Miyagi and Yamagata.
ISC VIII 21 04 41 03.0–.95 35.11N–.04 141.35E–.09 27 3.7b 20 1-76
IDC VIII 21 04 40 58.9–1.1 35.14N 141.52E 0 3.8,3.7 **¶601766236**
ISCJB VIII 21 04 41 00.9–.77 35.05N–.05 141.50E–.09 27 3.7b,3.4s
JMA VIII 21 04 41 01.3–.20 35.11N 141.46E 19–3 2.8,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=18.0km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.5km az=179.3.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
JMA VIII 22 06 00 19.8–.20 35.82N 141.46E 27–3 1.7 ¶606016943
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VIII 22 08 49 51.2–1.2 38.87N–.05 141.68E–.09 60–7 3.4b 22 0-59
IDC VIII 22 08 49 40.1–2.8 39.16N 142.52E 0 3.5,3.5b **¶601766292**
ISCJB VIII 22 08 49 50.3–.81 38.86N–.04 141.68E–.09 67–5 3.4b,3.5b
JMA VIII 22 08 49 51.4 38.87N 141.64E 62–1 3.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=70.8km s-min=31.4km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.8km az=15.1.
JMA Event type fe.
JMA VIII 22 11 54 51.6–.10 38.89N 142.51E 41–1 3.5 ¶606017055
ISC VIII 22 15 16 17.0–1.0 36.83N–.04 141.21E–.07 40–11 3.5b 38 0-75
NIED VIII 22 15 16 00 36.90N 141.10E 41 3.6W **¶606017115**
ISCJB VIII 22 15 16 16.0–.59 36.84N–.03 141.19E–.06 50–5 3.5b
JMA VIII 22 15 16 17.6–.10 36.86N 141.06E 51–1 3.8
IDC VIII 22 15 16 17.7–1.5 36.82N 141.21E 48–16 3.8L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ18.00000°,λ-67.00000°. NP2:ϕ_s189.00000°,δ73.00000°,λ-97.00000°. $M_0$3.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.0km az=13.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=10.8km az=88.0.
ISC VIII 23 17 10 02.6–1.6 37.64N–.05 141.8E–.10 49–13 4.0b,3.5s 50 1-146
NIED VIII 23 17 10 00 37.60N 141.80E 53 4.1W,3.5s **¶601735785**
ISCJB VIII 23 17 10 01.2–.80 37.64N–.04 141.81E–.08 55–6 4.1b,3.4s
JMA VIII 23 17 10 02.5 37.65N 141.73E 48–1 4.2,3.4s
NEIC VIII 23 17 10 03.4–1.1 37.69N 141.77E 58–8 4.9b,3.4s
IDC VIII 23 17 10 04.0–2.7 37.54N 141.57E 64–24 4.1L,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ42.00000°,λ115.00000°. NP2:ϕ_s305.00000°,δ53.00000°,λ70.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=19.9.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=14.0km s-min=8.0km az=127.0. Recorded [2 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=24.2km s-min=12.6km az=76.0.
ISC VIII 23 18 40 51.7–1.3 40.20N–.04 142.34E–.09 42–11 4.0b,3.2s 44 0-82
NIED VIII 23 18 40 00 40.20N 142.30E 44 4.0W,3.2s **¶601735788**
ISCJB VIII 23 18 40 51.1–.63 40.22N–.03 142.33E–.07 53–5 4.0b,3.3s
JMA VIII 23 18 40 51.7–.10 40.21N 142.32E 39–1 4.1,3.3s
IDC VIII 23 18 40 52.2–2.2 40.17N 142.19E 47–21 4.0,3.8L
NEIC VIII 23 18 40 53.6–.86 40.24N 142.40E 64–7 4.3b,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ22.00000°,λ16.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ111.00000°. $M_0$1.05000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.8km az=7.9.
JMA Event type fe.
IDC Error ellipse: s-maj=28.8km s-min=15.6km az=94.0.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=7.4km az=115.0. Recorded [1 JMA] in Aomori and Iwate.
ISC VIII 24 06 49 55.7–2.0 38.72N–.06 142.47E–.08 31–13 3.8b 31 1-76
NIED VIII 24 06 49 00 38.70N 142.40E 56 3.8W **¶601766389**
ISCJB VIII 24 06 49 55.6–1.1 38.69N–.05 142.45E–.10 48–10 3.8b
JMA VIII 24 06 49 56.1–.10 38.72N 142.41E 39–1 3.9
IDC VIII 24 06 49 58.6–2.7 38.63N 142.43E 62–24 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ39.00000°,λ94.00000°. NP2:ϕ_s150.00000°,δ52.00000°,λ87.00000°. $M_0$5.73000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.0km s-min=7.1km az=19.4.
JMA Event type fe.
IDC Error ellipse: s-maj=23.9km s-min=14.2km az=112.0.
ISC VIII 24 22 43 24.7–1.5 36.42N–.04 141.11E–.06 25–11 3.9b,3.3s 38 0-87
NIED VIII 24 22 43 00 36.50N 141.10E 32 3.9W,3.3s **¶601683836**
ISCJB VIII 24 22 43 24.7–.77 36.41N–.03 141.18E–.06 41–7 3.8b,3.4s
JMA VIII 24 22 43 25.5–.10 36.42N 141.08E 45–2 3.9,3.4s
NEIC VIII 24 22 43 26.3–1.3 36.32N 141.14E 43–11 4.0b,3.4s
IDC VIII 24 22 43 27.2–2.4 36.35N 141.11E 50–23 3.8,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ4.00000°,λ-112.00000°. NP2:ϕ_s217.00000°,δ86.00000°,λ-88.00000°. $M_0$7.12000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=13.2.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=10.7km az=103.0. Recorded [2 JMA] in Ibaraki.
IDC Error ellipse: s-maj=18.2km s-min=10.3km az=65.0.
JMA VIII 24 23 51 10.7–.10 36.29N 141.02E 44–1 3.6
NIED VIII 24 23 51 00 36.30N 141.10E 41 3.6W **¶603662729**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s301.00000°,δ9.00000°,λ-146.00000°. NP2:ϕ_s178.00000°,δ85.00000°,λ-83.00000°. $M_0$2.86000×10^{14}
ISC VIII 25 07 29 12.4–1.9 36.78N–.05 141.25E–.06 7–11 3.6b 29 0-78
NIED VIII 25 07 29 00 36.80N 141.20E 11 3.8W **¶601766435**
IDC VIII 25 07 29 10.8–.85 36.61N 141.36E 0 3.7,3.6
ISCJB VIII 25 07 29 12.8–1.2 36.80N–.04 141.33E–.07 21–6 3.5b,3.6
JMA VIII 25 07 29 14.1–.10 36.79N 141.23E 32–1 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ41.00000°,λ-72.00000°. NP2:ϕ_s41.00000°,δ52.00000°,λ-105.00000°. $M_0$4.94000×10^{14}
IDC Error ellipse: s-maj=20.2km s-min=15.0km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.1km az=29.7.
ISC VIII 25 11 14 45.1–1.1 40.01N–.03 141.94E–.06 11–6 4.0b 27 0-66
NIED VIII 25 11 14 00 40.00N 142.00E 5 3.6W **¶601627638**
ISCJB VIII 25 11 14 44.0–.86 40.02N–.03 142.02E–.06 13–4 3.9b
JMA VIII 25 11 14 45.2 40.01N 141.94E 7–1 3.7
IDC VIII 25 11 14 49.1–2.2 40.04N 142.20E 45–21 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s103.00000°,δ30.00000°,λ-73.00000°. NP2:ϕ_s263.00000°,δ62.00000°,λ-100.00000°. $M_0$3.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.7km az=175.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s257.00000°,δ54.00000°,λ-114.00000°. NP2:ϕ_s114.00000°,δ42.00000°,λ-61.00000°. Principal axes: T Plg6.0000°,Azm4.0000°; N Plg19.0000°,Azm272.0000°; P Plg70.0000° ,Azm111.0000°
IDC Error ellipse: s-maj=33.4km s-min=15.0km az=91.0.
JMA VIII 25 15 24 56.1–.20 37.34N 141.85E 42–4 1.9 ¶606018812
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC VIII 25 15 48 58.1–1.1 39.42N–.04 142.18E–.08 55–8 3.8b 36 0-81
ISCJB VIII 25 15 48 56.9–.73 39.42N–.03 142.17E–.09 64–4 3.6b **¶601766449**
JMA VIII 25 15 48 58.4 39.42N 142.09E 57–1 3.6
IDC VIII 25 15 48 59.3–2.2 39.47N 142.24E 73–18 3.6s,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=5.4km az=10.6.
JMA Event type fe.
IDC Error ellipse: s-maj=29.2km s-min=13.8km az=97.0.
ISC VIII 25 16 20 46.2–.81 40.45N–.04 141.63E–.09 119–6 3.4b 35 0-73
ISCJB VIII 25 16 20 45.3–.49 40.48N–.03 141.6E–.10 119–3 3.5b **¶601766452**
IDC VIII 25 16 20 45.9–1.9 40.48N 141.60E 111–16 3.6,3.4
JMA VIII 25 16 20 46.6–.10 40.47N 141.54E 116–1 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=5.3km az=7.3.
IDC Error ellipse: s-maj=20.5km s-min=13.2km az=124.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 25 18 36 59.4–.25 37.04N–.03 141.11E–.03 87–1 5.0b 1035 0-155
NIED VIII 25 18 36 00 37.00N 141.10E 86 5.1W **¶606018962**
MOS VIII 25 18 36 56.2–.91 37.05N 141.06E 67 5.1b,4.0s
BJI VIII 25 18 36 57.0 37.14N 141.05E 80 5.2b,5.0b
NEIC VIII 25 18 36 59.8–.08 36.96N 140.97E 89 5.2W,5.1b
ISCJB VIII 25 18 36 59.3–.20 36.99N–.02 141.02E–.02 95–1 4.9b,5.1b
JMA VIII 25 18 36 59.9–.10 36.97N 141.08E 90–1 5.2,5.1b
IDC VIII 25 18 37 00.1–.33 36.99N 140.89E 88–2 4.7,4.5
GCMT VIII 25 18 37 00.8–.20 37.06N–.01 141.16E–.01 98–1 5.2W,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ30.00000°,λ-57.00000°. NP2:ϕ_s253.00000°,δ65.00000°,λ-108.00000°. $M_0$5.94000×10^{16}
NEIC Event type fe. Felt [IV] at Fukushima, Iwaki, Mito, Sendai and Tsuchiura and [II] at Tokyo. Felt widely in central and northeastern Honshu from the Tokyo area north to Morioka. Recorded [4 JMA] in Fukushima, Ibaraki and Miyagi. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.09 $M_{\theta\theta}$6.09 $M_{\phi\phi}$-1.00 $M_{r\theta}$6.16 $M_{\theta\phi}$-1.27 $M_{\phi r}$1.38 Best double couple: NP1:ϕ_s120.00000°,δ25.00000°,λ-55.00000°. NP2:ϕ_s262.00000°,δ70.00000°,λ-105.00000°. Principal axes: T 8.8600,Plg23.0000°,Azm4.0000° ; N -0.6100,Plg14.0000°,Azm268.0000°; P -8.2500,Plg62.0000°,Azm149.0000° $M_0$8.60000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s241.00000°,δ77.00000°,λ-113.00000°. NP2:ϕ_s122.00000°,δ26.00000°,λ-32.00000°. Principal axes: T Plg28.0000°,Azm349.0000°; N Plg22.0000°,Azm247.0000°; P Plg53.0000° ,Azm124.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c124; s119,c222;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.56±.13 $M_{\theta\theta}$5.66±.14; $M_{\phi\phi}$-2.10±.14; $M_{r\theta}$4.25±.10; $M_{\theta\phi}$-0.81±.13; $M_{\phi r}$3.05±.08; Best double couple: NP1:ϕ_s245.00000°,δ73.00000°,λ-120.00000°. NP2:ϕ_s128.00000°,δ34.00000°,λ-32.00000°. Principal axes: T 7.3340,Plg22.0000° ,Azm357.0000°; N -0.1680,Plg28.0000°,Azm255.0000°; P -7.1660,Plg53.0000° ,Azm119.0000° $M_0$7.25000×10^{16}
ISC VIII 26 09 54 59.7–1.6 37.02N–.05 141.44E–.07 11–11 23 1-57
IDC VIII 26 09 54 57.2–2.4 37.09N 141.64E 0 3.5,3.4 **¶601766499**
ISCJB VIII 26 09 54 59.2–1.2 36.95N–.04 141.49E–.07 11–7 3.2b,3.4
JMA VIII 26 09 55 00.4–.10 36.88N 141.40E 34–1 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=31.5km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=176.1.
ISC VIII 27 11 21 39.2–1.8 40.11N–.03 142.33E–.08 5–11 3.9b,3.6s 30 0-72
NIED VIII 27 11 21 00 40.10N 142.40E 5 4.2W,3.6s **¶601766564**
ISCJB VIII 27 11 21 39.0–1.2 40.09N–.03 142.39E–.08 18–7 3.9b,3.6s
JMA VIII 27 11 21 39.0 40.10N 142.37E 19–1 4.5,3.6s
IDC VIII 27 11 21 43.8–3.0 40.15N 142.45E 40–23 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ42.00000°,λ179.00000°. NP2:ϕ_s318.00000°,δ90.00000°,λ48.00000°. $M_0$2.01000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.0km az=178.1.
JMA Event type fe.
IDC Error ellipse: s-maj=39.5km s-min=16.4km az=77.0.
ISC VIII 28 08 14 55.7–1.6 35.89N–.04 141.08E–.07 20–6 3.8b 28 0-147
IDC VIII 28 08 14 52.8–.87 35.87N 141.11E 0 3.8,3.7 **¶606020492**
JMA VIII 28 08 14 56.9–.10 35.87N 141.10E 37–1 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=16.6km az=88.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s48.00000°,δ70.00000°,λ-87.00000°. NP2: ϕ_s220.00000°,δ20.00000°,λ-98.00000°. Principal axes: T Plg25.0000°,Azm136.0000° ; N Plg3.0000°,Azm227.0000°; P Plg65.0000°,Azm323.0000°
ISC VIII 28 11 44 11.9–1.6 36.96N–.04 141.43E–.06 12–9 4.1b 64 1-147
NIED VIII 28 11 44 00 36.90N 141.50E 11 3.9W **¶601755513**
IDC VIII 28 11 44 10.3–.60 36.95N 141.41E 0 4.2,4.0
ISCJB VIII 28 11 44 11.8–.85 36.96N–.03 141.45E–.05 22–5 4.0b,3.1s
JMA VIII 28 11 44 12.9–.10 36.95N 141.35E 40–1 4.2,3.1s
NEIC VIII 28 11 44 14.9–2.1 36.94N 141.43E 30–15 4.4b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ31.00000°,λ-94.00000°. NP2:ϕ_s206.00000°,δ59.00000°,λ-87.00000°. $M_0$8.75000×10^{14}
IDC Error ellipse: s-maj=18.5km s-min=13.6km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.3km az=18.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=6.3km az=113.0. Recorded [2 JMA] Fukushima.
ISC VIII 28 13 02 08.9–.91 36.31N–.05 140.35E–.05 104–6 3.8b 28 0-56
ISCJB VIII 28 13 02 07.8–.58 36.30N–.04 140.37E–.06 108–4 3.6b **¶601755517**
IDC VIII 28 13 02 08.4–2.4 36.29N 140.41E 96–22 3.6,3.4
JMA VIII 28 13 02 09.2–.10 36.36N 140.30E 101–1 3.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.9km az=17.5.
IDC Error ellipse: s-maj=30.9km s-min=10.1km az=64.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 28 13 55 05.2–.57 36.39N–.04 141.86E–.04 25–3 4.9b,4.5s 543 1-148
NIED VIII 28 13 55 00 36.40N 141.90E 20 4.8W,4.5s **¶601671349**
ISCJB VIII 28 13 55 03.9–.62 36.37N–.02 141.85E–.02 24–4 4.8b,4.4s
JMA VIII 28 13 55 04.0–.20 36.40N 141.87E 27–4 5.0,4.4s
GCMT VIII 28 13 55 05.8–.40 36.27N–.03 141.98E–.04 27–1 4.9W,4.4s
IDC VIII 28 13 55 07.1–3.8 36.36N 141.76E 33–28 4.7,4.6
MOS VIII 28 13 55 07.0–.93 36.70N 141.82E 34 5.2b,4.6s
NEIC VIII 28 13 55 07.8–.49 36.30N 141.76E 46–4 4.8b,4.6s
BJI VIII 28 13 55 13.4 36.53N 141.02E 70 5.2b,5.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ16.00000°,λ106.00000°. NP2:ϕ_s19.00000°,δ75.00000°,λ86.00000°. $M_0$1.85000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=42.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s62,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.10±.17 $M_{\theta\theta}$-0.89±.12; $M_{\phi\phi}$-1.22±.10; $M_{r\theta}$1.12±.21; $M_{\theta\phi}$-0.76±.06; $M_{\phi r}$1.97±.18; Best double couple: NP1:ϕ_s32.00000°,δ70.00000°,λ86.00000°. NP2:ϕ_s223.00000°,δ21.00000°,λ100.00000°. Principal axes: T 3.1440,Plg65.0000° ,Azm296.0000°; N -0.2950,Plg4.0000°,Azm33.0000°; P -2.8540,Plg24.0000°,Azm125.0000° $M_0$2.99900×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=9.8km az=103.0.
MOS Error ellipse: s-maj=6.5km s-min=4.2km az=103.4.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.9km az=159.0. Felt at Hitachi, Koriyama, Mito, Narita and Tsukuba. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
ISC VIII 28 23 17 43.3–.97 38.89N–.05 141.90E–.07 53–7 4.2b 49 0-150
NIED VIII 28 23 17 00 38.90N 141.90E 53 3.9W **¶601735794**
ISCJB VIII 28 23 17 42.3–.65 38.90N–.04 141.92E–.08 60–4 4.1b
JMA VIII 28 23 17 43.0–.10 38.92N 141.93E 51–1 3.8
NEIC VIII 28 23 17 45.4–.66 38.88N 141.91E 77–5 4.2b
IDC VIII 28 23 17 46.1–2.4 38.87N 141.83E 82–19 4.1,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ21.00000°,λ85.00000°. NP2:ϕ_s18.00000°,δ69.00000°,λ92.00000°. $M_0$9.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.7km az=22.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=119.0.
IDC Error ellipse: s-maj=23.0km s-min=18.1km az=107.0.
ISC VIII 29 00 25 11.2–1.3 36.36N–.07 141.72E–.09 26 3.5b 18 1-56
ISCJB VIII 29 00 25 09.3–1.0 36.28N–.06 141.86E–.09 26 3.5b **¶601755539**
JMA VIII 29 00 25 11.6–.20 36.39N 141.73E 40 3.2
IDC VIII 29 00 25 16.1–5.8 36.19N 141.51E 62–45 3.5,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.1km az=170.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=51.5km s-min=12.7km az=66.0.
ISC VIII 29 10 19 34.7–2.1 36.62N–.04 141.30E–.07 17–11 3.8b 30 1-57
IDC VIII 29 10 19 37.6–2.1 36.65N 141.28E 41–20 3.8,3.7 **¶601755553**
JMA VIII 29 10 19 38.4–.10 36.64N 141.06E 45–1 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=11.2km az=83.0.
JMA Event type fe.
ISC VIII 29 12 36 46.7–1.5 38.81N–.05 142.1E–.10 43–14 3.6b 24 0-59
ISCJB VIII 29 12 36 46.3–1.0 38.84N–.05 142.1E–.10 53–7 3.6b **¶606021061**
JMA VIII 29 12 36 47.6–.10 38.85N 142.05E 46–1 3.5
IDC VIII 29 12 36 47.5–2.5 38.81N 142.50E 65–22 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=6.3km az=18.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=45.4km s-min=15.9km az=96.0.
ISC VIII 29 14 56 59.1–2.2 35.48N–.05 141.53E–.10 9–11 3.5b 22 1-59
IDC VIII 29 14 56 57.6–1.6 35.47N 141.70E 0 3.5,3.4 **¶601755566**
ISCJB VIII 29 14 57 00.6–1.5 35.47N–.05 141.5E–.10 27–7 3.5b,3.4
JMA VIII 29 14 57 01.3–.10 35.46N 141.39E 19–2 3.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=39.8km s-min=20.4km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=7.4km az=161.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 29 16 11 20.5–1.4 38.16N–.04 141.83E–.09 44–13 3.7b 35 0-58
NIED VIII 29 16 11 00 38.20N 141.70E 56 3.5W **¶601755568**
ISCJB VIII 29 16 11 20.2–.78 38.17N–.04 141.77E–.08 56–6 3.6b
JMA VIII 29 16 11 21.3–.10 38.17N 141.71E 51–1 3.7
IDC VIII 29 16 11 22.1–3.0 38.21N 141.74E 58–26 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ26.00000°,λ67.00000°. NP2:ϕ_s31.00000°,δ66.00000°,λ101.00000°. $M_0$2.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.0km az=22.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=20.3km az=114.0.
ISC VIII 29 17 40 34.7–.83 36.08N–.05 140.01E–.06 73–6 3.8b 36 0-75
ISCJB VIII 29 17 40 33.6–.50 36.08N–.04 140.03E–.06 81–3 3.7b **¶601755570**
JMA VIII 29 17 40 35.3–.10 36.08N 140.01E 66–1 3.4
IDC VIII 29 17 40 35.1–1.6 36.08N 139.97E 77–13 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=4.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ61.00000°,λ85.00000°. NP2: ϕ_s193.00000°,δ29.00000°,λ100.00000°. Principal axes: T Plg73.0000°,Azm259.0000° ; N Plg5.0000°,Azm5.0000°; P Plg16.0000°,Azm96.0000°
IDC Error ellipse: s-maj=20.5km s-min=7.8km az=67.0.
ISC VIII 29 17 43 20.3–2.0 39.12N–.05 142.47E–.07 11–11 4.1b,2.6s 37 1-76
NIED VIII 29 17 43 00 39.20N 142.50E 32 3.9W,2.6s **¶601755571**
JMA VIII 29 17 43 22.1–.10 39.18N 142.41E 31–1 4.1,2.6s
IDC VIII 29 17 43 27.3–2.7 39.06N 142.39E 71–24 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ16.00000°,λ-131.00000°. NP2:ϕ_s188.00000°,δ78.00000°,λ-79.00000°. $M_0$6.80000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=13.5km az=98.0.
ISC VIII 29 19 05 11.5–.32 38.45N–.03 141.92E–.03 56–2 5.6b,4.9s 2111 0-160
NIED VIII 29 19 05 00 38.40N 141.90E 59 5.5W,4.9s **¶601670369**
MOS VIII 29 19 05 07.5–.81 38.40N 141.81E 32 6.1b,5.0s
BJI VIII 29 19 05 08.5 38.43N 141.92E 55 5.4b,5.4b
NEIC VIII 29 19 05 11.1–.07 38.43N 141.81E 47 5.8b,5.5W
ISCJB VIII 29 19 05 11.9–.19 38.43N–.01 141.83E–.01 67–1 5.4b,5.5W
JMA VIII 29 19 05 12.2–.10 38.41N 141.91E 60–1 5.6,5.5W
GCMT VIII 29 19 05 12.0–.10 38.45N–.01 141.86E–.01 56–0 5.4W,5.5W
IDC VIII 29 19 05 13.2–1.1 38.39N 141.84E 68–9 5.5,5.3
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ47.00000°,λ65.00000°. NP2:ϕ_s59.00000°,δ49.00000°,λ114.00000°. $M_0$1.76000×10^{17}
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=147.0. Felt [V] at Sendai, [IV] at Fukushima and Furukawa and [II] at Tokyo. Felt in much of northern and east-central Honshu. Recorded [5U JMA] in Fukushima and Miyagi. Also recorded [1 JMA] in southwestern and eastern Hokkaido. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.99 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-1.38 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.93 $M_{\phi r}$-0.65 Best double couple: NP1: ϕ_s53.00000°,δ46.00000°,λ119.00000°. NP2:ϕ_s194.00000°,δ51.00000°,λ64.00000°. Principal axes: T 2.3200,Plg69.0000°,Azm41.0000°; N -0.3100,Plg20.0000°,Azm211.0000° ; P -2.0200,Plg3.0000°,Azm303.0000° $M_0$2.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=154.8.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s61.00000° ,δ70.00000°,λ98.00000°. NP2:ϕ_s218.00000°,δ21.00000°,λ68.00000°. Principal axes: T Plg64.0000°,Azm345.0000°; N Plg8.0000°,Azm239.0000°; P Plg25.0000°,Azm145.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c202; s132,c280; Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$-0.95±.02; $M_{r\theta}$0.56±.02; $M_{\theta\phi}$-0.92±.01; $M_{\phi r}$-0.41±.02; Best double couple: NP1:ϕ_s61.00000°,δ50.00000° ,λ119.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ61.00000°. Principal axes: T 1.8920,Plg69.0000°,Azm39.0000°; N -0.1520,Plg21.0000°,Azm221.0000° ; P -1.7450,Plg1.0000°,Azm131.0000° $M_0$1.81800×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=6.2km az=87.0.
JMA VIII 29 19 17 15.8–.10 35.72N 140.98E 36–1 2.6 ¶601645616
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 29 21 12 39.7–2.0 35.52N–.07 141.1E–.20 25 10 0-59
JMA VIII 29 21 12 35.4–.20 35.57N 141.46E 22–2 2.6 **¶606021326**
ISCJB VIII 29 21 12 37.7–1.6 35.50N–.07 141.3E–.10 25 3.6b
IDC VIII 29 21 12 46.9–1.8 34.34N 138.11E 0 3.7,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=6.8km az=156.2.
IDC Error ellipse: s-maj=51.4km s-min=28.0km az=82.0.
ISC VIII 29 22 35 37.9–1.9 39.08N–.04 142.40E–.07 12–10 3.9b 36 1-73
NIED VIII 29 22 35 00 39.20N 142.40E 32 3.9W **¶601755585**
JMA VIII 29 22 35 39.3–.10 39.18N 142.39E 31–1 4.1
IDC VIII 29 22 35 42.8–1.8 39.04N 142.33E 52–16 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ24.00000°,λ-138.00000°. NP2:ϕ_s184.00000°,δ74.00000°,λ-71.00000°. $M_0$6.92000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=10.6km az=97.0.
ISC VIII 30 06 46 28.2–1.4 36.89N–.04 141.35E–.09 47–12 27 0-57
ISCJB VIII 30 06 46 28.2–.92 36.90N–.04 141.30E–.08 57–7 3.2b **¶601755601**
JMA VIII 30 06 46 29.4–.10 36.93N 141.21E 56–1 3.3
IDC VIII 30 06 46 31.5–5.3 36.81N 141.26E 80–40 3.4,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.5km az=19.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=50.0km s-min=22.2km az=52.0.
ISC VIII 30 17 23 22.0–1.5 35.58N–.06 141.44E–.10 25 3.6b 17 0-56
ISCJB VIII 30 17 23 21.4–1.0 35.59N–.06 141.4E–.10 25 3.6b **¶601755632**
JMA VIII 30 17 23 21.7–.20 35.58N 141.35E 25–1 3.2
IDC VIII 30 17 23 21.1–1.9 35.67N 141.23E 0 3.6,3.6
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.9km az=164.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=46.8km s-min=22.7km az=80.0.
ISC VIII 31 03 30 57.2–1.3 39.95N–.04 142.21E–.07 22–11 3.9b 30 0-57
JMA VIII 31 03 30 57.2–.10 39.94N 142.32E 43–1 3.4 **¶601712944**
IDC VIII 31 03 31 00.4–1.9 40.41N 140.99E 0 3.8b,3.7
NEIC VIII 31 03 31 01.9–1.3 40.15N 141.68E 42–27 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=21.9km az=125.0.
NEIC Event type se. Error ellipse: s-maj=64.8km s-min=9.4km az=119.0.
ISC VIII 31 14 26 30.9–.91 36.90N–.03 140.62E–.04 11–5 4.2b 87 0-147
IDC VIII 31 14 26 29.3–.54 36.91N 140.59E 0 5.6,5.4s **¶606022037**
ISCJB VIII 31 14 26 30.4–.43 36.90N–.02 140.70E–.04 21–2 5.4s,4.2b
JMA VIII 31 14 26 30.8 36.90N 140.66E 7–1 4.4,4.2b
NEIC VIII 31 14 26 34.2–1.6 36.90N 140.60E 33–11 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=11.9km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=24.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s222.00000°,δ47.00000°,λ-105.00000°. NP2:ϕ_s64.00000°,δ45.00000°,λ-74.00000°. Principal axes: T Plg1.0000°,Azm323.0000°; N Plg11.0000°,Azm233.0000°; P Plg79.0000°,Azm58.0000°
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.0km az=120.0. Recorded [3 JMA] in Fukushima.
ISC VIII 31 15 31 22.6–.94 37.18N–.03 141.37E–.04 19–3 4.4b 123 0-149
IDC VIII 31 15 31 19.6–.46 37.19N 141.30E 0 4.4,4.3 **¶601755723**
ISCJB VIII 31 15 31 20.7–.77 37.15N–.02 141.45E–.04 20–5 4.2b,4.3
JMA VIII 31 15 31 21.7–.10 37.18N 141.38E 29–1 4.6,4.3
NEIC VIII 31 15 31 24.7–.24 37.16N 141.42E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=10.7km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=19.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=140.0. Recorded [2 JMA] in Fukushima.
ISC VIII 31 16 52 53.6–2.2 36.71N–.06 141.56E–.08 6–12 3.3b 24 1-46
IDC VIII 31 16 52 53.3–2.9 36.73N 141.63E 0 3.5,3.5 **¶601755755**
JMA VIII 31 16 52 57.8–.10 36.75N 141.46E 42–3 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=27.6km az=111.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA IX 01 16 38 15.9–.10 35.74N 140.94E 12–1 3.5
¶606022588
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 02 00 36 02.7–2.3 35.23N–.05 141.24E–.08 15–14 3.4b 22 1-59
NIED IX 02 00 36 00 35.40N 141.20E 17 3.7W **¶601862755**
IDC IX 02 00 36 00.9–1.4 35.29N 141.38E 0 3.5,3.5
JMA IX 02 00 36 05.6–.10 35.36N 141.18E 19–2 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s213.00000°,δ54.00000°,λ-24.00000°. NP2:ϕ_s318.00000°,δ70.00000°,λ-141.00000°. $M_0$4.25000×10^{14}
IDC Error ellipse: s-maj=35.2km s-min=23.0km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 02 02 14 47.1–.92 36.59N–.05 141.37E–.08 20–6 4.0b 36 1-147
NIED IX 02 02 14 00 36.60N 141.30E 38 3.8W **¶601862758**
JMA IX 02 02 14 49.9–.10 36.62N 141.32E 46–2 3.7
IDC IX 02 02 14 51.1–3.0 36.50N 141.44E 58–26 3.9,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ35.00000°,λ-78.00000°. NP2:ϕ_s37.00000°,δ55.00000°,λ-99.00000°. $M_0$6.30000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.5km s-min=11.1km az=61.0.
ISC IX 02 04 33 45.8–.73 36.52N–.04 140.79E–.06 54–6 3.9b 47 0-91
NIED IX 02 04 33 00 36.50N 140.70E 56 4.0W **¶601671978**
ISCJB IX 02 04 33 44.8–.45 36.50N–.03 140.76E–.06 60–3 3.9b
JMA IX 02 04 33 46.1–.10 36.52N 140.70E 54–1 3.9
IDC IX 02 04 33 47.1–1.8 36.48N 140.63E 66–16 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ25.00000°,λ93.00000°. NP2:ϕ_s12.00000°,δ65.00000°,λ89.00000°. $M_0$1.03000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.1km az=21.6.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s5.00000°,δ70.00000°,λ84.00000°. NP2:ϕ_s202.00000°,δ20.00000°,λ106.00000°. Principal axes: T Plg64.0000°,Azm266.0000°; N Plg6.0000°,Azm7.0000°; P Plg25.0000°,Azm100.0000°
IDC Error ellipse: s-maj=19.8km s-min=10.4km az=82.0.
JMA IX 02 12 50 49.0–.10 39.21N 142.62E 23–1 3.6
NIED IX 02 12 50 00 39.20N 142.60E 62 3.6W **¶606023524**
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s116.00000°,δ44.00000°,λ39.00000°. NP2:ϕ_s356.00000°,δ64.00000°,λ127.00000°. $M_0$2.82000×10^{14}
ISC IX 02 22 17 26.4–2.1 36.61N–.04 141.06E–.06 17–12 3.6b 29 0-57
NIED IX 02 22 17 00 36.70N 140.90E 50 3.6W **¶601862818**
JMA IX 02 22 17 30.5–.10 36.64N 140.93E 50–1 3.8
IDC IX 02 22 17 31.6–3.1 36.54N 141.07E 59–29 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ28.00000°,λ128.00000°. NP2:ϕ_s8.00000°,δ68.00000°,λ72.00000°. $M_0$2.87000×10^{14}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=26.9km s-min=11.3km az=57.0.
ISC IX 03 02 57 23.5–3.3 38.86N–.06 142.6E–.10 29–20 3.6b 22 1-63
IDC IX 03 02 57 15.9–2.1 39.01N 143.51E 0 4.2,4.2s **¶601862831**
ISCJB IX 03 02 57 22.3–1.5 38.81N–.05 142.56E–.09 21–8 4.3s,3.5b
JMA IX 03 02 57 24.8–.10 38.85N 142.43E 32–2 3.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=27.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=8.2km az=18.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 03 09 30 29.0–.74 36.96N–.05 140.12E–.05 96–6 3.7b 39 0-91
NIED IX 03 09 30 00 36.90N 140.10E 77 3.8W **¶601862854**
ISCJB IX 03 09 30 28.0–.38 36.95N–.04 140.13E–.05 101–2 3.6b
JMA IX 03 09 30 28.8–.10 36.94N 140.11E 96–1 3.6
IDC IX 03 09 30 30.0–1.4 36.89N 140.02E 109–14 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ15.00000°,λ-105.00000°. NP2:ϕ_s200.00000°,δ75.00000°,λ-86.00000°. $M_0$5.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.5km az=136.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=10.6km az=67.0.
ISC IX 03 12 50 51.7–1.4 35.84N–.05 141.2E–.10 26 3.5b 15 0-56
IDC IX 03 12 50 47.5–2.6 35.90N 141.40E 0 3.4b,3.4 **¶601862866**
ISCJB IX 03 12 50 50.2–1.1 35.80N–.06 141.3E–.10 26 3.5b,3.4
JMA IX 03 12 50 52.6–.10 35.80N 141.11E 34–1 2.8,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=65.3km s-min=25.5km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.8km az=168.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 03 20 36 04.8–.89 37.56N–.04 141.68E–.07 76–7 4.1b 55 1-74
ISCJB IX 03 20 36 03.7–.57 37.56N–.03 141.68E–.06 81–4 4.0b **¶601777913**
IDC IX 03 20 36 04.1–1.9 37.56N 141.80E 73–17 4.1,3.8
NEIC IX 03 20 36 04.7–.83 37.57N 141.80E 80–7 4.4b,3.8
JMA IX 03 20 36 06.3–.10 37.61N 141.47E 79–1 3.9,3.8
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.8km az=14.0.
IDC Error ellipse: s-maj=17.9km s-min=11.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.2km az=91.0.
JMA Felt [II] J1.
ISC IX 04 00 59 29.1–1.6 39.50N–.04 142.2E–.10 29–8 3.5b 22 0-60
ISCJB IX 04 00 59 27.9–1.3 39.48N–.04 142.24E–.10 29–5 3.5b **¶606024460**
JMA IX 04 00 59 29.4 39.49N 142.15E 29 3.4
IDC IX 04 00 59 47.9–1.3 36.70N 134.67E 0 3.5,3.4b
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.9km az=5.6.
IDC Error ellipse: s-maj=43.4km s-min=24.6km az=44.0.
JMA IX 04 03 41 48.5 36.69N 140.64E 8–1 3.5
¶606024499
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s124.00000°,δ56.00000°,λ-137.00000°. NP2:ϕ_s6.00000°,δ56.00000°,λ-43.00000°. Principal axes: T Plg0.0000°,Azm245.0000°; N Plg37.0000°,Azm155.0000°; P Plg53.0000°,Azm335.0000°
JMA IX 04 12 14 43.2–.10 38.96N 142.55E 32–2 1.9
¶606024694
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 04 14 56 15.3–.51 38.29N–.04 141.95E–.05 51–4 4.4b 151 1-146
NIED IX 04 14 56 00 38.30N 141.90E 53 4.3W **¶601674446**
ISCJB IX 04 14 56 14.4–.52 38.31N–.03 141.91E–.06 53–3 4.4b
MOS IX 04 14 56 14.5–.94 38.38N 141.89E 50 4.7b
JMA IX 04 14 56 15.6–.10 38.30N 141.86E 48–1 4.2
IDC IX 04 14 56 16.3–.47 38.29N 141.81E 51–4 4.3,4.2
NEIC IX 04 14 56 16.3–.30 38.33N 141.84E 51 4.6b,4.2
BJI IX 04 14 56 19.0 38.54N 140.85E 35 4.8b,4.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ21.00000°,λ88.00000°. NP2:ϕ_s25.00000°,δ69.00000°,λ91.00000°. $M_0$2.82000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.0km az=27.1.
MOS Error ellipse: s-maj=8.8km s-min=5.9km az=98.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=13.0km s-min=9.6km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=122.0. Felt at Goshogawara. Recorded [2 JMA] in Fukushima.
ISC IX 04 16 26 46.8–1.3 36.75N–.04 140.67E–.04 3–10 3.6b 29 0-91
ISCJB IX 04 16 26 46.6–.60 36.69N–.02 140.73E–.05 12–3 3.6b,3.4s **¶601862941**
IDC IX 04 16 26 46.4–1.4 36.77N 140.65E 0 3.6,3.6
JMA IX 04 16 26 47.6 36.70N 140.64E 6–1 3.3,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=10.4.
IDC Error ellipse: s-maj=30.2km s-min=19.1km az=72.0.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s117.00000°,δ71.00000°,λ-125.00000°. NP2:ϕ_s2.00000°,δ39.00000°,λ-31.00000°. Principal axes: T Plg19.0000°,Azm232.0000°; N Plg33.0000°,Azm129.0000°; P Plg51.0000°,Azm347.0000°
ISC IX 04 16 54 32.3–1.2 37.42N–.04 141.65E–.08 20–7 3.7b 32 1-74
NIED IX 04 16 54 00 37.40N 141.60E 32 3.6W **¶601862942**
JMA IX 04 16 54 35.3–.10 37.46N 141.53E 42–1 3.7
IDC IX 04 16 54 35.1–2.8 37.39N 141.65E 44–23 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ31.00000°,λ-44.00000°. NP2:ϕ_s325.00000°,δ69.00000°,λ-113.00000°. $M_0$2.44000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=42.5km s-min=16.3km az=91.0.
ISC IX 05 01 16 09.5–1.9 37.55N–.05 141.93E–.06 3–11 3.6b 35 1-146
JMA IX 05 01 16 11.5–.10 37.58N 141.91E 28–3 3.7 **¶601862961**
IDC IX 05 01 16 14.3–5.1 37.49N 141.89E 35–42 3.6,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.2km s-min=21.8km az=66.0.
ISC IX 05 10 02 41.2–1.7 38.84N–.05 142.03E–.08 30–11 3.6b 21 0-59
NIED IX 05 10 02 00 38.80N 142.10E 35 3.4W **¶601862979**
ISCJB IX 05 10 02 41.3–1.0 38.83N–.05 142.1E–.10 50–7 3.6b
JMA IX 05 10 02 42.1–.10 38.85N 142.05E 41–1 3.6
IDC IX 05 10 02 44.3–3.2 38.88N 142.07E 67–28 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ23.00000°,λ-114.00000°. NP2:ϕ_s193.00000°,δ69.00000°,λ-80.00000°. $M_0$1.47000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=8.0km az=16.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=22.6km az=85.0.
ISC IX 05 18 19 59.6–1.0 36.75N–.05 140.60E–.04 8–8 3.6b 31 0-76
IDC IX 05 18 19 58.2–.88 36.78N 140.57E 0 3.7,3.6 **¶601676701**
ISCJB IX 05 18 19 59.3–.53 36.68N–.03 140.68E–.05 18–4 3.5b,3.6
JMA IX 05 18 20 00.0 36.70N 140.61E 10 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=14.3km az=165.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.9km az=18.2.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s153.00000°,δ70.00000°,λ-106.00000°. NP2:ϕ_s14.00000°,δ26.00000°,λ-53.00000°. Principal axes: T Plg23.0000°,Azm256.0000°; N Plg15.0000°,Azm159.0000°; P Plg62.0000°,Azm38.0000°
ISC IX 06 02 09 22.8–1.8 36.97N–.05 141.27E–.06 11–11 3.9b 34 0-83
NIED IX 06 02 09 00 36.90N 141.40E 5 4.0W **¶601863020**
ISCJB IX 06 02 09 21.6–1.4 36.94N–.04 141.40E–.08 17–9 3.9b
JMA IX 06 02 09 22.0–.10 36.95N 141.34E 27–1 4.1
IDC IX 06 02 09 27.7–3.1 36.89N 141.12E 52–30 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ44.00000°,λ-95.00000°. NP2:ϕ_s208.00000°,δ46.00000°,λ-85.00000°. $M_0$9.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.3km az=13.8.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=23.9km s-min=15.8km az=65.0.
ISC IX 06 17 04 04.2–1.1 35.58N–.05 140.14E–.06 69–8 25 0-55
ISCJB IX 06 17 04 03.1–.71 35.57N–.04 140.16E–.06 76–6 3.4b **¶601863060**
JMA IX 06 17 04 03.4–.20 35.65N 140.17E 66–2 2.8
IDC IX 06 17 04 06.4–2.7 35.45N 139.91E 80–18 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.4km az=149.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=6.7km az=67.0.
ISC IX 06 18 46 26.1–2.1 38.02N–.05 142.74E–.07 15–12 3.4b 30 1-58
NIED IX 06 18 46 00 38.10N 142.60E 35 3.6W **¶601863065**
IDC IX 06 18 46 29.6–3.0 38.01N 142.89E 39–28 3.5,3.5
JMA IX 06 18 46 30.1–.10 38.06N 142.56E 42–3 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ51.00000°,λ29.00000°. NP2:ϕ_s232.00000°,δ68.00000°,λ137.00000°. $M_0$2.76000×10^{14}
IDC Error ellipse: s-maj=30.7km s-min=19.4km az=118.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 06 21 05 13.7–.82 35.55N–.05 140.26E–.06 63–8 3.8b 37 0-118
NIED IX 06 21 05 00 35.70N 140.20E 65 4.0W **¶601863070**
ISCJB IX 06 21 05 12.7–.47 35.57N–.04 140.25E–.06 69–4 3.8b
JMA IX 06 21 05 13.5–.20 35.65N 140.18E 63–2 3.2
IDC IX 06 21 05 14.2–1.2 35.51N 140.29E 69–10 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ26.00000°,λ94.00000°. NP2:ϕ_s3.00000°,δ64.00000°,λ88.00000°. $M_0$9.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.9km az=177.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s4.00000°,δ76.00000°,λ81.00000°. NP2: ϕ_s217.00000°,δ16.00000°,λ122.00000°. Principal axes: T Plg58.0000°,Azm262.0000°; N Plg9.0000°,Azm6.0000°; P Plg31.0000°,Azm101.0000°
IDC Error ellipse: s-maj=15.9km s-min=6.3km az=71.0.
JMA IX 07 04 20 13.9–.10 39.28N 142.24E 43–1 3.6
¶606026044
JMA Felt [I] J1.
JMA IX 07 05 36 40.2–.10 36.41N 141.04E 46–1 3.5
¶606026074
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 07 06 17 30.1–1.2 36.68N–.03 141.06E–.06 27–7 4.4b 93 0-147
NIED IX 07 06 17 00 36.70N 141.20E 8 3.9W **¶601715679**
BJI IX 07 06 17 26.5 36.63N 141.18E 20 4.7b,4.4b
JMA IX 07 06 17 28.5–.10 36.66N 141.13E 30–1 4.3,4.4b
ISCJB IX 07 06 17 28.8–.63 36.66N–.03 141.10E–.04 28–3 4.4b,4.4s
NEIC IX 07 06 17 32.2–.74 36.61N 141.01E 43–6 4.4b,4.4s
IDC IX 07 06 17 34.5–1.9 36.57N 140.84E 68–17 4.0,3.9

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ48.00000°,λ-53.00000°. NP2:ϕ_s349.00000°,δ53.00000°,λ-124.00000°. $M_0$8.50000×10^{14}
JMA Felt [II] J1.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=20.6.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=114.0. Recorded [2 JMA] in Fukushima and Ibaraki.
IDC Error ellipse: s-maj=16.8km s-min=10.1km az=76.0.
JMA IX 08 08 05 00.3–.20 37.52N 141.90E 27–3 3.6 ¶606026741
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 08 11 59 58.4–2.4 39.06N–.05 142.4E–.10 24–17 19 1-59
IDC IX 08 11 59 54.9–1.5 38.73N 143.16E 0 3.5,3.3 **¶601863165**
ISCJB IX 08 11 59 58.1–1.7 39.04N–.05 142.4E–.10 27–10 3.5b,3.3
JMA IX 08 11 59 59.1–.10 39.08N 142.39E 33–1 3.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=25.8km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=7.2km az=13.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 08 15 49 11.9–1.3 35.79N–.04 141.00E–.07 12–7 3.5b 27 0-60
NIED IX 08 15 49 00 35.80N 141.10E 8 3.7W **¶601863174**
IDC IX 08 15 49 10.5–1.1 35.74N 140.96E 0 3.6,3.5
ISCJB IX 08 15 49 11.2–.84 35.78N–.03 141.06E–.08 20–5 3.6b,3.5
JMA IX 08 15 49 12.4–.20 35.76N 140.98E 15–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ47.00000°,λ-134.00000°. NP2:ϕ_s339.00000°,δ59.00000°,λ-54.00000°. $M_0$3.79000×10^{14}
IDC Error ellipse: s-maj=26.7km s-min=16.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.4km az=169.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA IX 09 05 47 14.6–.10 39.28N 142.97E 17–2 3.7 ¶606027208
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 09 06 54 14.2–1.9 38.10N–.04 141.96E–.08 31–12 3.8b 49 1-86
IDC IX 09 06 54 09.9–1.0 38.20N 142.14E 0 3.8,3.8 **¶601782816**
NEIC IX 09 06 54 14.9–.70 38.24N 142.07E 35 4.1b,3.8
JMA IX 09 06 54 17.4–.10 38.03N 141.68E 48–1 3.9,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=17.5km az=132.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=135.0. Recorded [2 JMA] in Miyagi.
JMA Felt [II] J1.
JMA IX 09 06 54 21.5–.10 39.12N 142.38E 33–1 3.9 ¶606027243
ISC IX 09 07 58 17.2–1.7 38.59N–.04 142.1E–.10 39–5 23 1-59
ISCJB IX 09 07 58 17.7–1.1 38.60N–.05 142.0E–.10 55–10 3.9s,3.5b **¶601863220**
JMA IX 09 07 58 19.2–.10 38.62N 141.91E 48–1 3.9,3.5b
IDC IX 09 07 58 19.3–3.0 38.61N 142.07E 59–27 3.9,3.9s
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=19.3km s-min=7.2km az=12.2.
JMA Felt [II] J1.
IDC Error ellipse: s-maj=49.8km s-min=23.8km az=93.0.
ISC IX 09 22 13 55.2–2.2 38.59N–.08 142.3E–.20 54–18 17 1-59
NIED IX 09 22 13 00 38.70N 142.20E 41 3.5W **¶601863267**
IDC IX 09 22 13 43.9–2.4 38.77N 143.40E 0 3.4,3.3
ISCJB IX 09 22 13 58.0–1.5 38.68N–.06 142.1E–.20 60–9 3.2b,3.3
JMA IX 09 22 13 58.0–.10 38.67N 142.17E 41–1 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ42.00000°,λ38.00000°. NP2:ϕ_s28.00000°,δ66.00000°,λ125.00000°. $M_0$2.28000×10^{14}
IDC Error ellipse: s-maj=48.0km s-min=30.5km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=22.5km s-min=7.3km az=19.0.
ISC IX 10 12 21 09.7–1.3 38.34N–.05 141.89E–.09 50–12 4.1b 31 0-62
NIED IX 10 12 21 00 38.40N 141.70E 59 3.8W **¶601863295**
ISCJB IX 10 12 21 09.8–.82 38.35N–.05 141.74E–.10 61–6 4.1b
JMA IX 10 12 21 11.1–.10 38.36N 141.67E 54–1 3.9
IDC IX 10 12 21 11.8–3.0 38.43N 141.84E 71–25 3.9,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ19.00000°,λ97.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ88.00000°. $M_0$4.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=6.2km az=21.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=38.2km s-min=19.6km az=81.0.
ISC IX 10 14 18 00.7–2.1 38.02N–.05 142.33E–.08 8–11 3.5b 26 1-58
NIED IX 10 14 18 00 38.00N 142.40E 29 3.5W **¶601863304**
JMA IX 10 14 18 02.8–.20 38.02N 142.37E 38–3 3.8
IDC IX 10 14 18 07.6–4.1 37.97N 142.26E 68–38 3.4,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ30.00000°,λ-90.00000°. NP2:ϕ_s223.00000°,δ60.00000°,λ-90.00000°. $M_0$1.96000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=35.7km s-min=24.4km az=89.0.
JMA IX 10 17 58 27.6 36.57N 140.59E 19–1 2.7 ¶606028007
JMA Felt [I] J1.
ISC IX 10 23 17 33.6–1.1 36.82N–.04 141.20E–.05 23–7 4.3b,3.5s 100 0-147
NIED IX 10 23 17 00 36.80N 141.30E 8 4.2W,3.5s **¶601705105**
BJI IX 10 23 17 28.9 36.54N 141.33E 12 4.8b,4.6b
IDC IX 10 23 17 30.7–.57 36.83N 141.13E 0 4.2,4.1
JMA IX 10 23 17 32.6 36.78N 141.26E 33–1 4.4,4.1
ISCJB IX 10 23 17 32.6–.78 36.80N–.03 141.28E–.05 25–4 4.3b,3.5s
NEIC IX 10 23 17 35.0–2.0 36.76N 141.16E 28–14 4.6b,3.5s
MOS IX 10 23 17 34.7–1.4 36.86N 141.20E 39 4.6b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ43.00000°,λ-75.00000°. NP2:ϕ_s15.00000°,δ49.00000°,λ-104.00000°. $M_0$2.12000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=14.2km az=102.0.
JMA Felt [II] J1.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=25.2.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.4km az=120.0. Recorded [2 JMA] in Fukushima and Ibaraki.
MOS Error ellipse: s-maj=11.7km s-min=8.7km az=124.3.
ISC IX 11 01 39 00.3–1.2 38.32N–.05 142.07E–.06 19–4 4.0b 37 1-89
JMA IX 11 01 39 01.8–.10 38.37N 142.07E 34–1 4.1 **¶601863326**
IDC IX 11 01 39 06.2–3.0 38.26N 141.94E 69–27 3.9,3.8
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=16.3km az=95.0.
ISC IX 11 11 12 09.0–.38 37.56N–.03 142.00E–.04 10 4.5b,3.8s 233 1-146
NIED IX 11 11 12 00 37.60N 141.90E 14 4.2W,3.8s **¶601704943**
ISCJB IX 11 11 12 08.4–.18 37.59N–.02 141.92E–.02 10 4.4b,3.6s
JMA IX 11 11 12 10.0–.10 37.62N 141.90E 30–3 4.7,3.6s
MOS IX 11 11 12 11.9–1.1 37.65N 141.92E 34 4.6b,3.6s
NEIC IX 11 11 12 11.6–1.4 37.55N 141.88E 21–9 4.5b,3.6s
IDC IX 11 11 12 12.8–3.3 37.57N 141.89E 33–25 4.2,4.2
BJI IX 11 11 12 13.9 37.54N 141.79E 46 4.8b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ38.00000°,λ-54.00000°. NP2:ϕ_s218.00000°,δ60.00000°,λ-115.00000°. $M_0$2.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=160.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=5.7km az=95.1.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=128.0. Recorded [2 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=13.6km s-min=10.3km az=107.0.
ISC IX 12 15 38 15.3–1.3 36.16N–.04 141.15E–.05 16–8 4.2b,3.0s 92 0-147
NIED IX 12 15 38 00 36.20N 141.10E 23 4.1W,3.0s **¶601712520**
IDC IX 12 15 38 13.4–.54 36.11N 141.06E 0 4.1,4.1
ISCJB IX 12 15 38 15.4–.62 36.12N–.03 141.08E–.04 27–4 4.2b,3.0s
NEIC IX 12 15 38 15.9–2.3 36.05N 141.02E 18–14 4.7b,3.0s
JMA IX 12 15 38 16.1–.10 36.15N 141.00E 40–1 4.2,3.0s

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ29.00000°,λ-63.00000°. NP2:ϕ_s179.00000°,δ65.00000°,λ-104.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=14.4km s-min=13.1km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.8km az=171.3.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=72.0. Recorded [3 JMA] in Ibaraki.
JMA Felt [III] J1.
ISC IX 12 16 55 02.4–1.4 35.15N–.05 141.4E–.10 27 3.3b 14 1-62
ISCJB IX 12 16 54 59.9–1.2 35.15N–.07 141.7E–.10 27 3.3s,3.2b **¶606029276**
IDC IX 12 16 54 59.0–1.7 35.16N 141.51E 0 3.3,3.3b
JMA IX 12 16 55 02.5–.20 35.17N 141.40E 20–4 2.6,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=10.0km az=176.6.
IDC Error ellipse: s-maj=45.9km s-min=22.2km az=77.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC IX 12 19 42 05.9–2.0 37.27N–.04 141.96E–.06 9–11 3.9b 46 1-77
NIED IX 12 19 42 00 37.30N 141.90E 32 4.0W **¶601819763**
IDC IX 12 19 42 04.5–.75 37.28N 141.92E 0 4.0,3.9
ISCJB IX 12 19 42 05.4–1.1 37.25N–.03 142.04E–.05 17–7 3.8b,3.5s
JMA IX 12 19 42 08.4–.10 37.28N 141.91E 41–3 4.3,3.5s
NEIC IX 12 19 42 09.7–1.2 37.28N 141.94E 36–11 4.4b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ62.00000°,λ-149.00000°. NP2:ϕ_s112.00000°,δ63.00000°,λ-32.00000°. $M_0$1.05000×10^{15}
IDC Error ellipse: s-maj=20.9km s-min=14.9km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.1km az=27.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=129.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA IX 12 19 48 55.4–.10 37.28N 141.91E 35–2 3.5
NIED IX 12 19 48 00 37.30N 141.90E 29 3.5W **¶603673831**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ40.00000°,λ-123.00000°. NP2:ϕ_s90.00000°,δ57.00000°,λ-66.00000°. $M_0$1.93000×10^{14}
ISC IX 12 23 32 37.3–.86 36.82N–.04 141.18E–.08 22–5 3.8b 28 0-147
NIED IX 12 23 32 00 36.70N 141.30E 5 3.8W **¶601863437**
IDC IX 12 23 32 34.0–.86 36.73N 141.17E 0 3.9,3.7
ISCJB IX 12 23 32 35.5–1.1 36.78N–.04 141.30E–.07 23–6 3.7b,3.7
JMA IX 12 23 32 35.6 36.76N 141.26E 31–1 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ40.00000°,λ-69.00000°. NP2:ϕ_s185.00000°,δ53.00000°,λ-107.00000°. $M_0$4.95000×10^{14}
IDC Error ellipse: s-maj=23.7km s-min=21.2km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.6km az=15.1.
JMA Felt [I] J1.
JMA IX 13 09 24 45.7–.10 37.24N 141.30E 36–1 3.5
NIED IX 13 09 24 00 37.20N 141.30E 35 3.4W **¶603674085**
JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ18.00000°,λ-78.00000°. NP2:ϕ_s210.00000°,δ72.00000°,λ-94.00000°. $M_0$1.49000×10^{14}
ISC IX 13 17 22 07.5–.39 35.83N–.03 140.59E–.03 33–1 5.2b,4.8s 972 0-162
NIED IX 13 17 22 00 35.90N 140.60E 44 5.1W,4.8s **¶601712982**
BJI IX 13 17 22 02.9 35.63N 140.84E 38 5.0b,5.0b
MOS IX 13 17 22 05.8–1.1 35.83N 140.55E 33 5.4b,4.6s
JMA IX 13 17 22 06.5–.10 35.86N 140.54E 37–1 5.1,4.6s
ISCJB IX 13 17 22 07.1–.25 35.78N–.02 140.44E–.02 37–2 5.2b,4.7s
IDC IX 13 17 22 08.3–1.3 35.73N 140.46E 41–11 5.0,4.8
NEIC IX 13 17 22 08.4–.10 35.75N 140.39E 35 5.2b,4.8
GCMT IX 13 17 22 09.4–.30 35.85N–.02 140.59E–.02 20–1 5.2W,4.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ7.00000°,λ98.00000°. NP2:ϕ_s50.00000°,δ83.00000°,λ89.00000°. $M_0$5.15000×10^{16}
JMA Felt [IV] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s55.00000°,δ54.00000°,λ108.00000°. NP2:ϕ_s206.00000°,δ40.00000°,λ67.00000°. Principal axes: T Plg74.0000°,Azm16.0000°; N Plg14.0000°,Azm224.0000°; P Plg7.0000° ,Azm132.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Chiba and Tsuchiura, [IV] at Narita and [III] at Tokyo and Yokohama. Felt widely in east-central Honshu. Recorded [4 JMA] in Chiba and Ibaraki.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c48; s83,c137;Duration: 1$\dagger$0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.16 $M_{\theta\theta}$-1.29±.12; $M_{\phi\phi}$-0.20±.10; $M_{r\theta}$5.89±.66; $M_{\theta\phi}$-0.92±.08; $M_{\phi r}$5.05±.63; Best double couple: NP1:ϕ_s50.00000°,δ84.00000°,λ87.00000°. NP2:ϕ_s255.00000°,δ7.00000°,λ115.00000°. Principal axes: T 7.8130,Plg51.0000° ,Azm316.0000°; N 0.2470,Plg3.0000°,Azm50.0000°; P -8.0590,Plg39.0000°,Azm142.0000° $M_0$7.93600×10^{16}
ISC IX 13 17 45 49.2–.76 35.83N–.05 140.63E–.06 50 3.4b 28 0-79
IDC IX 13 17 45 43.4–.83 35.74N 140.60E 0 3.7,3.6 **¶606029880**
ISCJB IX 13 17 45 46.9–.45 35.83N–.03 140.66E–.06 50 3.4b,3.6
JMA IX 13 17 45 48.3–.10 35.86N 140.53E 35–1 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=15.5km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=163.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 13 19 17 32.3–2.6 36.67N–.05 141.43E–.08 25–18 3.7b 29 1-60
ISCJB IX 13 19 17 31.1–1.1 36.64N–.03 141.47E–.07 27–5 3.5b **¶606029966**
JMA IX 13 19 17 33.5–.10 36.68N 141.31E 38–2 3.4
IDC IX 13 19 17 34.1–3.6 36.61N 141.47E 39–30 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.8km az=6.3.
IDC Error ellipse: s-maj=35.6km s-min=19.4km az=76.0.
ISC IX 13 19 42 13.5–1.7 39.05N–.04 142.48E–.07 17–9 3.7b 33 1-76
NIED IX 13 19 42 00 39.10N 142.40E 32 3.9W **¶601863481**
JMA IX 13 19 42 15.3–.10 39.07N 142.38E 32–1 3.8
IDC IX 13 19 42 17.8–3.2 39.00N 142.41E 50–31 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ17.00000°,λ-127.00000°. NP2:ϕ_s198.00000°,δ76.00000°,λ-80.00000°. $M_0$7.10000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=18.0km az=74.0.
ISC IX 13 19 56 13.3–2.0 39.06N–.05 142.32E–.09 17–13 3.7b 20 1-59
NIED IX 13 19 56 00 39.10N 142.40E 56 3.6W **¶601863482**
ISCJB IX 13 19 56 13.3–1.3 39.04N–.05 142.41E–.08 31–6 3.5b,2.6s
JMA IX 13 19 56 13.9–.10 39.07N 142.39E 32–1 3.5,2.6s
IDC IX 13 19 56 18.9–4.6 38.95N 142.27E 69–43 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ31.00000°,λ-36.00000°. NP2:ϕ_s172.00000°,δ73.00000°,λ-116.00000°. $M_0$2.82000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.4km az=10.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=26.8km az=93.0.
ISC IX 13 23 18 38.3–1.7 39.06N–.04 142.41E–.06 17–10 4.1b 36 1-76
NIED IX 13 23 18 00 39.10N 142.40E 32 3.8W **¶601738691**
JMA IX 13 23 18 38.7–.10 39.07N 142.38E 32–1 4.0
IDC IX 13 23 18 42.0–2.5 39.06N 142.38E 52–23 3.9,3.9
NEIC IX 13 23 18 43.5–.87 39.00N 142.32E 68–8 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ20.00000°,λ-98.00000°. NP2:ϕ_s199.00000°,δ70.00000°,λ-87.00000°. $M_0$6.07000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=13.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.7km az=123.0. Recorded [2 JMA] in Miyagi.
ISC IX 14 02 20 16.2–2.1 38.41N–.06 142.12E–.09 28–13 3.6b 25 1-59
NIED IX 14 02 20 00 38.40N 142.10E 53 3.7W **¶601863497**
JMA IX 14 02 20 18.1–.10 38.47N 142.05E 43–1 3.9
IDC IX 14 02 20 20.5–4.0 38.38N 142.02E 70–35 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ33.00000°,λ26.00000°. NP2:ϕ_s113.00000°,δ76.00000°,λ121.00000°. $M_0$4.62000×10^{14}

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=36.8km s-min=24.1km az=85.0.
JMA IX 14 03 01 46.4–.20 37.31N 141.90E 34–3 3.5
NIED IX 14 03 01 00 37.30N 141.90E 35 3.3W **¶603674664**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ70.00000°,λ167.00000°. NP2:ϕ_s266.00000°,δ77.00000°,λ20.00000°. $M_0$1.05000×10^{14}
ISC IX 14 04 51 04.4–1.3 36.62N–.05 141.88E–.10 19 18 1-84
ISCJB IX 14 04 51 02.5–1.2 36.64N–.06 142.1E–.10 19 3.3b **¶601863506**
JMA IX 14 04 51 03.4–.40 36.66N 141.95E 21–5 3.3
IDC IX 14 04 51 09.8–9.2 36.39N 141.67E 51–55 4.3s,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=8.3km az=6.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=107.4km s-min=24.8km az=85.0.
JMA IX 14 07 18 02.6–.10 36.61N 141.03E 49–1 3.6
¶606030356
JMA Felt [I] J1.
ISC IX 14 15 09 52.4–1.2 35.77N–.03 140.88E–.08 7–7 19 0-56
ISCJB IX 14 15 09 51.5–1.1 35.75N–.04 140.96E–.09 13–4 3.3b **¶601863532**
JMA IX 14 15 09 52.5–.20 35.73N 140.87E 10–1 3.1
IDC IX 14 15 09 55.5–7.7 35.21N 140.09E 0 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.5km az=174.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=266.7km s-min=26.8km az=58.0.
ISC IX 14 17 48 59.8–1.2 34.23N–.04 140.31E–.06 50–14 26 1-58
ISCJB IX 14 17 48 59.2–.66 34.23N–.03 140.27E–.07 63–8 3.4b **¶601863541**
JMA IX 14 17 49 00.1–.10 34.27N 140.29E 46–3 3.7
IDC IX 14 17 49 03.5–.95 33.99N 139.39E 68–17 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.3km az=168.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=102.7km s-min=6.5km az=71.0.
JMA IX 14 21 48 43.0–.30 35.85N 140.50E 35–2 2.2
¶606030743
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA IX 15 00 14 16.1–.10 38.83N 142.55E 30–2 4.0
NIED IX 15 00 14 00 38.80N 142.60E 35 3.7W **¶603614251**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ32.00000°,λ-125.00000°. NP2:ϕ_s185.00000°,δ64.00000°,λ-70.00000°. $M_0$3.47000×10^{14}
ISC IX 15 16 09 44.2–1.4 35.74N–.03 141.08E–.05 3–8 4.3b,4.2s 103 0-91
NIED IX 15 16 09 00 35.80N 141.10E 11 4.3W,4.2s **¶601717918**
BJI IX 15 16 09 41.0 35.59N 141.01E 5 5.0b,4.5b
IDC IX 15 16 09 43.6–.51 35.62N 141.01E 0 4.2,4.1
ISCJB IX 15 16 09 44.0–.80 35.69N–.03 141.07E–.05 14–4 4.3b,4.2s
NEIC IX 15 16 09 45.0–.36 35.65N 141.01E 10 4.3b,4.2s
JMA IX 15 16 09 45.8–.20 35.76N 141.00E 14–1 4.4,4.2s
MOS IX 15 16 09 47.1–1.7 35.70N 140.98E 33 4.7b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ45.00000°,λ-89.00000°. NP2:ϕ_s181.00000°,δ45.00000°,λ-91.00000°. $M_0$2.75000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=11.3km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=167.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.1km az=114.0. Recorded [3 JMA] in Ibaraki.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ65.00000°,λ-50.00000°. NP2: ϕ_s335.00000°,δ46.00000°,λ-144.00000°. Principal axes: T Plg11.0000°,Azm281.0000° ; N Plg36.0000°,Azm19.0000°; P Plg52.0000°,Azm177.0000°
MOS Error ellipse: s-maj=11.4km s-min=7.2km az=120.6.
ISC IX 16 04 44 27.7–1.4 38.19N–.04 141.85E–.09 44–13 3.5b 33 0-89
ISCJB IX 16 04 44 27.8–.75 38.22N–.04 141.73E–.09 60–6 3.5b **¶601863635**
JMA IX 16 04 44 28.9–.10 38.23N 141.71E 51–1 3.4
IDC IX 16 04 44 29.7–2.6 38.21N 141.60E 60–24 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=5.3km az=19.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=29.9km s-min=17.7km az=82.0.
ISC IX 16 05 25 14.1–1.8 36.86N–.04 141.31E–.07 4–10 3.7b 31 0-69
NIED IX 16 05 25 00 36.90N 141.40E 5 3.4W **¶601863636**
IDC IX 16 05 25 13.4–1.1 36.86N 141.31E 0 3.7,3.7b
ISCJB IX 16 05 25 14.7–1.0 36.84N–.04 141.38E–.06 23–5 3.6b,3.7b
JMA IX 16 05 25 15.2–.10 36.85N 141.34E 31–1 3.7,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ43.00000°,λ-116.00000°. NP2:ϕ_s38.00000°,δ53.00000°,λ-68.00000°. $M_0$1.62000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=21.5km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.7km az=15.0.
JMA Felt [I] J1.
ISC IX 16 07 43 23.6–2.2 37.07N–.04 141.32E–.07 11–13 3.5b 27 0-57
NIED IX 16 07 43 00 37.00N 141.30E 11 3.5W **¶606031449**
ISCJB IX 16 07 43 22.7–1.1 37.04N–.03 141.42E–.05 12–6 3.5b
IDC IX 16 07 43 22.2–1.3 37.00N 141.43E 0 3.6,3.5
JMA IX 16 07 43 25.0–.10 37.03N 141.26E 29–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ55.00000°,λ-141.00000°. NP2:ϕ_s71.00000°,δ59.00000°,λ-42.00000°. $M_0$1.68000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=20.2.
IDC Error ellipse: s-maj=28.3km s-min=19.1km az=111.0.
JMA Felt [I] J1.
ISC IX 16 16 12 19.2–2.1 39.13N–.04 142.49E–.08 1–12 3.7b 30 1-63
NIED IX 16 16 12 00 39.10N 142.40E 26 3.5W **¶601863663**
JMA IX 16 16 12 22.9–.10 39.11N 142.38E 33–1 3.9
IDC IX 16 16 12 24.9–2.8 39.13N 142.59E 55–24 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s293.00000°,δ28.00000°,λ-147.00000°. NP2:ϕ_s173.00000°,δ75.00000°,λ-66.00000°. $M_0$1.86000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=12.7km az=107.0.
ISC IX 17 08 22 30.6–1.5 39.05N–.04 142.36E–.07 18–6 3.9b,3.2s 35 1-73
NIED IX 17 08 22 00 39.10N 142.20E 50 4.0W,3.2s **¶601863701**
JMA IX 17 08 22 33.7–.10 39.10N 142.21E 43–1 3.9,3.2s
IDC IX 17 08 22 38.9–3.0 39.03N 142.09E 92–26 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ25.00000°,λ56.00000°. NP2:ϕ_s22.00000°,δ70.00000°,λ104.00000°. $M_0$1.13000×10^{15}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=26.3km s-min=15.7km az=87.0.
JMA IX 17 14 37 34.3–.10 40.29N 142.84E 23–2 3.5
NIED IX 17 14 37 00 40.30N 142.80E 38 3.6W **¶603676347**
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ20.00000°,λ82.00000°. NP2:ϕ_s27.00000°,δ70.00000°,λ93.00000°. $M_0$2.61000×10^{14}
ISC IX 17 19 09 30.3–.44 39.82N–.03 142.32E–.03 41–3 5.0b,4.6s 678 0-149
NIED IX 17 19 09 00 39.80N 142.30E 47 5.1W,4.6s **¶601723812**
BJI IX 17 19 09 29.1 39.70N 142.17E 49 5.2b,5.0b
MOS IX 17 19 09 30.8–.94 39.95N 142.13E 48 5.4b,4.6s
JMA IX 17 19 09 31.1 39.82N 142.26E 43–1 5.0,4.6s
ISCJB IX 17 19 09 31.2–.26 39.85N–.02 142.14E–.02 54–2 5.0b,4.5s
GCMT IX 17 19 09 32.7–.20 39.88N–.01 142.25E–.02 47–1 5.1W,4.5s
IDC IX 17 19 09 32.8–1.5 39.81N 142.15E 58–13 4.7,4.5
NEIC IX 17 19 09 33.7–.49 39.83N 142.05E 62–4 5.0b,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ20.00000°,λ78.00000°. NP2:ϕ_s20.00000°,δ70.00000°,λ94.00000°. $M_0$5.15000×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=4.1km az=102.6.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ64.00000°,λ91.00000°. NP2:ϕ_s192.00000°,δ26.00000°,λ88.00000°. Principal axes: T Plg71.0000°,Azm287.0000°; N Plg1.0000°,Azm194.0000°; P Plg19.0000° ,Azm104.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=147.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c123; s98,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.51±.15 $M_{\theta\theta}$-0.20±.11; $M_{\phi\phi}$-4.31±.11; $M_{r\theta}$1.98±.10; $M_{\theta\phi}$-1.20±.08; $M_{\phi r}$3.72±.11; Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ97.00000°. NP2:ϕ_s186.00000°,δ25.00000°,λ74.00000°. Principal axes: T 6.2110,Plg68.0000° ,Azm307.0000°; N 0.0140,Plg7.0000°,Azm201.0000°; P -6.2270,Plg21.0000°,Azm108.0000° $M_0$6.21900×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=10.4km az=101.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=147.0. Felt at Hachinohe and Misawa. Recorded [3 JMA] in Aomori. Also recorded [1 JMA] in south-central Hokkaido.
JMA IX 18 02 22 04.0–.20 37.32N 141.87E 39–3 3.7
¶606032168
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA IX 18 03 23 13.5 40.21N 142.33E 38–1 4.0
NIED IX 18 03 23 00 40.20N 142.30E 38 3.7W **¶603676565**
JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ32.00000°,λ145.00000°. NP2:ϕ_s21.00000°,δ72.00000°,λ63.00000°. $M_0$3.61000×10^{14}
ISC IX 18 07 47 30.2–1.6 37.72N–.05 141.90E–.10 43–15 3.9b 43 1-146
NIED IX 18 07 47 00 37.70N 141.80E 53 4.1W **¶601863750**
ISCJB IX 18 07 47 29.4–.93 37.71N–.04 141.87E–.10 54–7 3.9b,3.1s
JMA IX 18 07 47 30.3 37.75N 141.79E 52–1 4.0,3.1s
IDC IX 18 07 47 30.9–2.0 37.77N 141.74E 46–19 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ33.00000°,λ73.00000°. NP2:ϕ_s44.00000°,δ58.00000°,λ101.00000°. $M_0$1.47000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=5.7km az=15.7.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=18.1km s-min=14.7km az=99.0.
JMA IX 18 08 13 32.6–.10 36.54N 141.06E 53–1 3.5
¶606032237
JMA Felt [I] J1.
ISC IX 18 10 27 22.9–1.1 35.89N–.08 140.96E–.09 31 9 2-56
ISCJB IX 18 10 27 20.4–1.1 35.90N–.06 141.09E–.10 31 3.7b **¶601863756**
IDC IX 18 10 27 23.7–2.5 35.84N 141.02E 46–23 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.3km az=160.1.
IDC Error ellipse: s-maj=26.9km s-min=10.4km az=70.0.
JMA IX 18 10 34 09.8–.10 37.51N 141.49E 48–1 3.5
¶606032290
JMA Felt [I] J1.
ISC IX 18 19 11 02.1–.97 35.79N–.04 140.42E–.04 26–7 3.5b 28 0-148
IDC IX 18 19 10 58.4–.76 35.76N 140.56E 0 3.8,3.6 **¶601863772**
NIED IX 18 19 11 00 35.90N 140.60E 47 3.9W,3.6
ISCJB IX 18 19 11 02.0–.45 35.83N–.04 140.56E–.05 36–5 3.5b,3.3s
JMA IX 18 19 11 02.2–.10 35.85N 140.54E 35–1 3.6,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=17.8km az=87.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s275.00000°,δ39.00000°,λ-142.00000°. NP2:ϕ_s154.00000°,δ67.00000°,λ-57.00000°. $M_0$7.46000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.5km az=142.1.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s346.00000°,δ80.00000°,λ68.00000°. NP2:ϕ_s233.00000°,δ24.00000°,λ155.00000°. Principal axes: T Plg50.0000°,Azm232.0000°; N Plg21.0000°,Azm350.0000°; P Plg32.0000° ,Azm94.0000°
ISC IX 18 21 44 07.5–1.1 35.52N–.05 141.74E–.08 25 3.6b 21 1-59
ISCJB IX 18 21 44 04.7–.81 35.54N–.05 141.91E–.07 25 3.5b **¶601863779**
IDC IX 18 21 44 04.1–2.3 35.47N 141.81E 0 3.6,3.5
JMA IX 18 21 44 04.0–.30 35.52N 141.99E 57–5 3.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=7.4km az=168.6.
IDC Error ellipse: s-maj=61.8km s-min=20.9km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC IX 18 21 44 40.1–1.2 35.55N–.10 141.7E–.20 22 3.7b 9 3-59
IDC IX 18 21 44 36.8–1.3 35.68N 141.82E 0 3.8,3.7b **¶601863782**
ISCJB IX 18 21 44 37.9–1.0 35.56N–.07 141.7E–.20 22 3.6b,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 19 04 47 03.9–.83 34.66N–.04 140.15E–.05 60–7 3.9b 35 0-80
NIED IX 19 04 47 00 34.60N 140.20E 53 3.9W **¶601863807**
ISCJB IX 19 04 47 02.9–.44 34.65N–.04 140.14E–.05 68–4 3.9b
JMA IX 19 04 47 03.7–.20 34.64N 140.15E 57–2 3.7
IDC IX 19 04 47 05.0–1.3 34.60N 139.94E 70–10 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ16.00000°,λ-8.00000°. NP2:ϕ_s132.00000°,δ88.00000°,λ-106.00000°. $M_0$7.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=151.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s125.00000°,δ87.00000°,λ-90.00000°. NP2: ϕ_s314.00000°,δ3.00000°,λ-81.00000°. Principal axes: T Plg42.0000°,Azm215.0000° ; N Plg0.0000°,Azm125.0000°; P Plg48.0000°,Azm34.0000°
IDC Error ellipse: s-maj=27.5km s-min=5.8km az=74.0.
JMA IX 19 06 11 24.2–.20 37.51N 141.95E 25–3 2.0
¶603677032
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 19 14 30 01.2–1.3 38.48N–.05 141.88E–.09 49–11 3.6b 32 0-62
ISCJB IX 19 14 30 00.5–.77 38.51N–.04 141.84E–.09 57–6 3.5b **¶601863832**
NIED IX 19 14 30 00 38.60N 141.70E 59 3.7W
JMA IX 19 14 30 02.1–.10 38.54N 141.72E 54–1 3.7
IDC IX 19 14 30 03.0–2.1 38.53N 141.91E 74–19 3.6,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=5.0km az=18.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ35.00000°,λ56.00000°. NP2:ϕ_s7.00000°,δ62.00000°,λ111.00000°. $M_0$3.80000×10^{14}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=30.4km s-min=14.1km az=95.0.
ISC IX 19 19 11 54.0–1.1 35.57N–.05 140.05E–.06 76–9 23 0-55
IDC IX 19 19 11 52.0–1.3 34.82N 138.08E 0 3.3,3.2 **¶606032969**
ISCJB IX 19 19 11 53.0–.69 35.56N–.04 140.07E–.07 81–7 3.1b,3.2
JMA IX 19 19 11 54.6–.10 35.64N 140.04E 65–2 2.5,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=17.8km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.2km az=149.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA IX 20 00 08 45.4–.10 37.44N 141.62E 45–2 3.6
NIED IX 20 00 08 00 37.40N 141.70E 35 3.5W **¶603677478**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ13.00000°,λ85.00000°. NP2:ϕ_s31.00000°,δ77.00000°,λ91.00000°. $M_0$2.29000×10^{14}
ISC IX 20 03 24 19.6–1.5 37.05N–.04 141.41E–.07 31–10 3.3b 31 0-57
NIED IX 20 03 24 00 37.00N 141.30E 44 3.6W **¶601863862**
IDC IX 20 03 24 13.7–2.5 37.22N 141.77E 0 3.7L,3.6
ISCJB IX 20 03 24 20.1–.83 37.02N–.03 141.35E–.08 48–7 3.4b,3.6
JMA IX 20 03 24 22.1–.10 37.08N 141.18E 50–1 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ19.00000°,λ115.00000°. NP2:ϕ_s22.00000°,δ73.00000°,λ82.00000°. $M_0$2.99000×10^{14}
IDC Error ellipse: s-maj=57.1km s-min=25.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.3km az=15.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA IX 20 14 44 26.9–.20 38.11N 142.65E 33–4 3.7
NIED IX 20 14 44 00 38.10N 142.70E 11 3.4W **¶603677770**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ27.00000°,λ-160.00000°. NP2:ϕ_s166.00000°,δ81.00000°,λ-64.00000°. $M_0$1.46000×10^{14}
JMA IX 20 21 17 31.3–.10 37.71N 141.93E 43–2 3.5
¶606033561
ISC IX 20 22 20 33.8–1.7 36.22N–.04 141.59E–.09 26 17 1-56
ISCJB IX 20 22 20 34.1–1.1 36.20N–.05 141.7E–.10 26 3.2b **¶601863917**
JMA IX 20 22 20 34.5–.20 36.27N 141.69E 58 2.7

IDC IX 20 22 20 35.8–2.7 36.03N 141.34E 0 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.7km az=175.5.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=56.1km s-min=26.5km az=70.0.
ISC IX 20 22 26 18.0–1.3 35.73N–.04 140.61E–.05 2–12 12 0-56
JMA IX 20 22 26 15.7–.10 35.74N 141.17E 19–1 3.0 **¶606033593**
IDC IX 20 22 26 28.4–5.3 35.61N 140.07E 65–39 3.3,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=72.9km s-min=32.0km az=73.0.
ISC IX 20 23 41 55.9–3.0 36.89N–.06 141.45E–.09 10–17 20 1-57
ISCJB IX 20 23 41 57.3–1.6 36.87N–.05 141.43E–.10 26–8 3.2b **¶601863920**
JMA IX 20 23 41 59.3–.10 36.90N 141.32E 26–1 3.0
IDC IX 20 23 41 59.0–9.0 37.10N 141.93E 52–71 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=8.0km az=21.0.
IDC Error ellipse: s-maj=63.2km s-min=36.5km az=62.0.
ISC IX 21 10 08 10.1–1.3 38.00N–.04 142.08E–.08 40–13 4.5b 56 1-146
NIED IX 21 10 08 00 38.00N 142.00E 50 4.0W **¶601782819**
ISCJB IX 21 10 08 08.7–.67 38.00N–.03 142.10E–.06 46–7 4.5b
NEIC IX 21 10 08 10.0–.65 37.99N 142.27E 50–7 4.5b
JMA IX 21 10 08 10.5–.10 38.04N 141.94E 50–1 3.8
IDC IX 21 10 08 10.6–2.5 37.97N 142.14E 43–25 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ36.00000°,λ121.00000°. NP2:ϕ_s314.00000°,δ60.00000°,λ70.00000°. $M_0$1.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.4km az=15.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.8km az=118.0. Recorded [1 JMA] in Iwate and Miyagi.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=31.7km s-min=16.2km az=105.0.
JMA IX 21 21 48 52.8–.20 35.72N 141.00E 13–1 3.6
NIED IX 21 21 48 00 35.70N 141.10E 8 3.5W **¶603678559**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ37.00000°,λ-125.00000°. NP2:ϕ_s14.00000°,δ60.00000°,λ-66.00000°. $M_0$1.77000×10^{14}
ISC IX 22 06 22 18.8–1.1 36.72N–.04 140.64E–.04 8–8 3.7b 27 0-60
NIED IX 22 06 22 00 36.70N 140.60E 5 3.5W **¶601863982**
ISCJB IX 22 06 22 18.8–.64 36.67N–.03 140.71E–.05 12–3 3.9s,3.6b
IDC IX 22 06 22 18.9–2.0 36.50N 140.63E 0 3.9,3.8
JMA IX 22 06 22 19.6 36.69N 140.63E 7–1 3.7,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ46.00000°,λ-43.00000°. NP2:ϕ_s300.00000°,δ60.00000°,λ-127.00000°. $M_0$2.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.8km az=18.1.
IDC Error ellipse: s-maj=46.6km s-min=24.1km az=45.0.
JMA Felt [II] J1.
ISC IX 22 18 24 16.1–2.6 38.51N–.05 142.22E–.08 16–14 3.8b 31 1-76
NIED IX 22 18 24 00 38.60N 142.00E 44 3.8W **¶606034691**
JMA IX 22 18 24 19.6–.10 38.58N 142.00E 40–1 4.0
IDC IX 22 18 24 21.3–2.4 38.52N 142.10E 55–21 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s148.00000°,δ35.00000°,λ-21.00000°. NP2:ϕ_s255.00000°,δ78.00000°,λ-124.00000°. $M_0$6.36000×10^{14}
JMA Felt [II] J1.
IDC Error ellipse: s-maj=23.4km s-min=12.9km az=107.0.
JMA IX 22 20 23 19.5–.10 37.59N 141.93E 32–3 3.7
NIED IX 22 20 23 00 37.60N 141.90E 26 3.5W **¶603679157**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s326.00000°,δ13.00000°,λ-117.00000°. NP2:ϕ_s173.00000°,δ79.00000°,λ-84.00000°. $M_0$1.84000×10^{14}
JMA IX 24 01 53 33.4–.10 38.89N 141.97E 50–1 3.7
NIED IX 24 01 53 00 38.90N 141.90E 56 3.6W **¶603679737**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ23.00000°,λ43.00000°. NP2:ϕ_s27.00000°,δ74.00000°,λ107.00000°. $M_0$3.30000×10^{14}
ISC IX 24 08 03 46.6–.99 39.87N–.04 142.16E–.08 46–8 4.0b 36 0-75
NIED IX 24 08 03 00 39.90N 142.20E 53 4.0W **¶606035401**
ISCJB IX 24 08 03 45.7–.68 39.87N–.04 142.17E–.10 56–5 3.9b,3.0s
JMA IX 24 08 03 46.3–.10 39.88N 142.17E 47–1 3.8,3.0s
IDC IX 24 08 03 48.9–2.0 39.85N 142.10E 73–17 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ19.00000°,λ62.00000°. NP2:ϕ_s15.00000°,δ73.00000°,λ99.00000°. $M_0$1.03000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=5.8km az=8.3.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=21.6km s-min=12.2km az=104.0.
ISC IX 24 20 16 04.1–.95 38.61N–.05 141.92E–.08 48–8 3.5b 34 0-73
NIED IX 24 20 16 00 38.60N 141.90E 53 3.7W **¶601864115**
ISCJB IX 24 20 16 03.0–.80 38.62N–.04 141.91E–.10 58–5 3.6b,2.7s
JMA IX 24 20 16 04.1 38.64N 141.91E 48–1 3.8,2.7s
IDC IX 24 20 16 05.0–2.4 38.63N 141.84E 57–21 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ21.00000°,λ48.00000°. NP2:ϕ_s30.00000°,δ75.00000°,λ104.00000°. $M_0$4.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=5.4km az=21.2.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=24.7km s-min=13.5km az=106.0.
ISC IX 25 02 55 47.7–.46 36.66N–.04 141.31E–.05 35–3 4.5b 136 1-147
NIED IX 25 02 55 00 36.70N 141.20E 44 4.2W **¶601739428**
MOS IX 25 02 55 45.3–.97 36.65N 141.33E 33 4.8b
ISCJB IX 25 02 55 46.5–.53 36.64N–.02 141.30E–.04 43–4 4.4b,3.5s
JMA IX 25 02 55 48.5–.10 36.67N 141.12E 46–1 4.1,3.5s
NEIC IX 25 02 55 49.6–.62 36.63N 141.20E 52–5 4.9b,3.5s
IDC IX 25 02 55 53.1–2.0 36.61N 141.00E 80–17 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ16.00000°,λ45.00000°. NP2:ϕ_s4.00000°,δ79.00000°,λ102.00000°. $M_0$2.45000×10^{15}
MOS Error ellipse: s-maj=9.5km s-min=6.9km az=107.1.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=18.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=99.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
IDC Error ellipse: s-maj=17.0km s-min=11.9km az=71.0.
ISC IX 25 06 36 05.0–2.4 36.3N–.10 141.3E–.20 100 10 1-60
JMA IX 25 06 36 12.9–.10 36.27N 140.98E 35–1 2.7 **¶606035788**
IDC IX 25 06 36 15.2–7.1 34.67N 139.07E 137–132 3.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=146.0km s-min=115.1km az=13.0.
JMA IX 25 06 48 37.4 37.64N 141.78E 48–2 3.7
NIED IX 25 06 48 00 37.60N 141.80E 50 3.4W **¶603680234**
JMA Felt [I] J1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ24.00000°,λ99.00000°. NP2:ϕ_s177.00000°,δ67.00000°,λ86.00000°. $M_0$1.51000×10^{14}
JMA IX 26 00 08 24.4 36.62N 140.61E 10–1 3.6
¶606036147
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s344.00000°,δ55.00000°,λ-45.00000°. NP2:ϕ_s104.00000°,δ55.00000°,λ-135.00000°. Principal axes: T Plg0.0000°,Azm44.0000°; N Plg35.0000°,Azm134.0000°; P Plg55.0000°,Azm314.0000°
ISC IX 26 00 11 00.8–1.1 35.63N–.05 140.01E–.06 75–9 19 0-56
IDC IX 26 00 10 58.1–2.0 34.81N 138.23E 0 3.7,3.4 **¶601864175**
ISCJB IX 26 00 10 59.9–.77 35.62N–.05 140.01E–.07 81–6 3.5b,3.4
JMA IX 26 00 11 00.8–.20 35.67N 140.01E 68–2 2.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=64.7km s-min=14.8km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.6km az=148.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 26 00 18 12.7–1.7 35.22N–.07 141.3E–.20 27 7 1-59
IDC IX 26 00 18 09.7–7.2 35.10N 141.34E 0 3.7,3.5b **¶601864177**
ISCJB IX 26 00 18 10.6–1.6 35.21N–.09 141.4E–.20 27 3.6b,3.5b
JMA IX 26 00 18 11.9–.20 35.22N 141.31E 23–4 2.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=201.3km s-min=34.8km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=12.5km az=162.6.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
JMA IX 26 06 11 42.3–.20 37.28N 141.86E 41–3 3.5
¶606036253
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 27 17 38 44.7–1.4 38.41N–.05 142.32E–.06 27–9 4.4b,4.0s 132 1-145
NIED IX 27 17 38 00 38.40N 142.20E 32 4.5W,4.0s **¶601751834**
BJI IX 27 17 38 42.8 38.07N 142.16E 29 5.1b,4.5b
JMA IX 27 17 38 45.4–.10 38.42N 142.21E 36–1 4.5,4.5b
ISCJB IX 27 17 38 45.0–.65 38.41N–.03 142.26E–.05 41–4 4.3b,3.9s
MOS IX 27 17 38 45.3–1.4 38.43N 142.39E 46 4.6b,3.9s
IDC IX 27 17 38 48.9–1.7 38.37N 142.16E 60–14 4.2,4.1
NEIC IX 27 17 38 48.0–.89 38.40N 142.24E 54–7 4.3b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ18.00000°,λ-150.00000°. NP2:ϕ_s193.00000°,δ81.00000°,λ-74.00000°. $M_0$5.36000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=23.2.
MOS Error ellipse: s-maj=8.4km s-min=5.6km az=95.6.
IDC Error ellipse: s-maj=15.3km s-min=11.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.0km az=127.0. Recorded [2 JMA] in Iwate and Miyagi.
JMA IX 27 18 40 01.0–.10 35.85N 140.48E 36–1 3.1
¶606036901
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 28 05 08 53.3–2.0 40.37N–.04 142.42E–.08 5–12 4.1b 31 1-60
NIED IX 28 05 08 00 40.30N 142.40E 8 3.7W **¶601864331**
IDC IX 28 05 08 51.1–2.1 40.24N 143.17E 0 3.9b,3.8
ISCJB IX 28 05 08 54.5–1.9 40.37N–.04 142.39E–.06 14–14 4.1b,3.8
JMA IX 28 05 08 54.2–.10 40.34N 142.43E 27–1 3.7,3.8
NEIC IX 28 05 08 56.2–.93 40.27N 143.02E 38–8 4.4b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s124.00000°,δ23.00000°,λ-68.00000°. NP2:ϕ_s280.00000°,δ69.00000°,λ-99.00000°. $M_0$3.65000×10^{14}
IDC Error ellipse: s-maj=52.4km s-min=24.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=19.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.4km az=105.0.
ISC IX 28 05 27 36.3–1.7 38.25N–.04 141.94E–.08 16–9 27 1-58
NIED IX 28 05 27 00 38.30N 141.80E 38 3.5W **¶601864332**
IDC IX 28 05 27 31.4–2.9 38.43N 142.47E 0 3.5,3.5b
JMA IX 28 05 27 39.9–.10 38.26N 141.80E 48–1 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ36.00000°,λ-1.00000°. NP2:ϕ_s221.00000°,δ89.00000°,λ-126.00000°. $M_0$2.33000×10^{14}
IDC Error ellipse: s-maj=69.7km s-min=36.3km az=63.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 28 05 46 50.1–1.1 36.84N–.03 140.65E–.06 12–8 19 0-57
NIED IX 28 05 46 00 36.80N 140.70E 5 3.5W **¶601864333**
ISCJB IX 28 05 46 50.0–.71 36.84N–.03 140.68E–.06 7–5 3.6b
JMA IX 28 05 46 50.4 36.85N 140.64E 9–1 3.8
IDC IX 28 05 46 51.0–1.4 36.41N 140.57E 0 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ51.00000°,λ-48.00000°. NP2:ϕ_s316.00000°,δ54.00000°,λ-130.00000°. $M_0$2.03000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.0km az=19.8.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s215.00000°,δ80.00000°,λ-83.00000°. NP2:ϕ_s359.00000°,δ12.00000°,λ-125.00000°. Principal axes: T Plg35.0000°,Azm299.0000°; N Plg7.0000°,Azm34.0000°; P Plg54.0000°,Azm133.0000°
IDC Error ellipse: s-maj=31.0km s-min=25.4km az=159.0.
ISC IX 28 07 09 51.1–1.5 36.29N–.05 142.0E–.10 19 3.9b 21 1-83
IDC IX 28 07 09 40.5–9.6 35.19N 142.42E 0 3.9,3.9b **¶601864339**
ISCJB IX 28 07 09 49.1–1.0 36.30N–.04 142.06E–.09 19 3.9b,3.5s
JMA IX 28 07 09 51.1–.20 36.30N 141.88E 69–5 3.2,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=236.5km s-min=94.0km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.7km az=6.2.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC IX 28 10 10 12.7–2.1 39.10N–.05 142.38E–.09 24–13 3.6b 24 1-63
NIED IX 28 10 10 00 39.10N 142.50E 35 3.8W **¶601864349**
ISCJB IX 28 10 10 10.7–1.3 39.06N–.04 142.50E–.08 22–7 3.6b,2.6s
JMA IX 28 10 10 12.2–.10 39.11N 142.43E 29–1 3.8,2.6s
IDC IX 28 10 10 16.2–3.5 39.04N 142.41E 59–32 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ41.00000°,λ-110.00000°. NP2:ϕ_s168.00000°,δ52.00000°,λ-73.00000°. $M_0$5.00000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.2km az=10.7.
JMA Felt [I] J1.
IDC Error ellipse: s-maj=48.3km s-min=26.1km az=88.0.
JMA IX 29 03 58 46.0–.10 39.46N 142.61E 33–1 3.5
NIED IX 29 03 58 00 39.50N 142.60E 23 3.5W **¶606037407**
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ64.00000°,λ-153.00000°. NP2:ϕ_s116.00000°,δ66.00000°,λ-29.00000°. $M_0$1.72000×10^{14}
ISC IX 29 07 34 43.2–.69 35.52N–.04 141.13E–.07 33 4.4b 60 0-152
NIED IX 29 07 34 00 35.60N 141.10E 41 4.2W **¶601768532**
BJI IX 29 07 34 40.2 35.41N 141.31E 32 4.9b,4.6b
ISCJB IX 29 07 34 40.9–.48 35.53N–.04 141.29E–.06 33 4.3b,4.3s
JMA IX 29 07 34 43.3–.10 35.56N 141.04E 36–1 3.6,4.3s
NEIC IX 29 07 34 45.1–1.1 35.48N 140.99E 48–8 4.6b,4.3s
IDC IX 29 07 34 45.1–2.6 35.47N 140.99E 49–22 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ16.00000°,λ83.00000°. NP2:ϕ_s7.00000°,δ74.00000°,λ92.00000°. $M_0$2.65000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=164.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s63.00000°,δ72.00000°,λ82.00000°. NP2: ϕ_s269.00000°,δ19.00000°,λ114.00000°. Principal axes: T Plg62.0000°,Azm321.0000°; N Plg8.0000°,Azm66.0000°; P Plg27.0000°,Azm160.0000°
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.3km az=74.0.
IDC Error ellipse: s-maj=33.4km s-min=12.2km az=82.0.
ISC IX 29 17 37 41.3–.62 35.05N–.04 140.05E–.04 66–5 4.5b 108 0-79
NIED IX 29 17 37 00 35.00N 139.90E 62 4.2W **¶601768539**
BJI IX 29 17 37 35.3 34.98N 140.63E 60 5.0b,4.7s
MOS IX 29 17 37 38.5–.99 35.01N 140.18E 62 4.5b,4.7s
ISCJB IX 29 17 37 40.0–.28 35.03N–.02 140.04E–.04 70–2 4.4b,4.7s
NEIC IX 29 17 37 40.7–.65 35.04N 140.12E 60–6 4.8b,4.7s
JMA IX 29 17 37 40.4–.10 34.99N 139.96E 71–2 3.7,4.7s
IDC IX 29 17 37 42.1–1.1 34.93N 139.85E 70–10 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ50.00000°,λ157.00000°. NP2:ϕ_s211.00000°,δ73.00000°,λ42.00000°. $M_0$2.06000×10^{15}
MOS Error ellipse: s-maj=13.1km s-min=7.3km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.7km az=153.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.1km az=104.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s203.00000°,δ83.00000°,λ46.00000°. NP2: ϕ_s106.00000°,δ45.00000°,λ170.00000°. Principal axes: T Plg36.0000°,Azm75.0000°; N Plg44.0000°,Azm209.0000°; P Plg25.0000°,Azm326.0000°
IDC Error ellipse: s-maj=22.1km s-min=5.5km az=72.0.
ISC IX 29 21 41 19.1–2.0 38.19N–.05 142.13E–.09 25–13 28 1-58
NIED IX 29 21 41 00 38.20N 142.00E 44 3.6W **¶606037721**
ISCJB IX 29 21 41 20.4–1.4 38.21N–.04 142.02E–.08 26–6 3.4b
JMA IX 29 21 41 20.9–.10 38.20N 142.00E 45–1 3.5
IDC IX 29 21 41 20.1–2.8 37.21N 142.47E 0 3.5,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ80.00000°,λ5.00000°. NP2:ϕ_s34.00000°,δ85.00000°,λ170.00000°. $M_0$2.46000×10^{14}

ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.8km az=17.2.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=56.5km s-min=39.0km az=33.0.
ISC IX 30 01 39 29.8–.81 38.98N–.05 142.41E–.06 41–6 4.0b,3.9s 93 1-94
NIED IX 30 01 39 00 39.00N 142.40E 32 4.1W,3.9s **¶601768543**
JMA IX 30 01 39 27.9–.10 38.99N 142.39E 33–1 4.3,3.9s
ISCJB IX 30 01 39 28.0–.61 38.96N–.03 142.40E–.05 37–5 4.0b,3.8s
MOS IX 30 01 39 27.8–1.2 38.99N 142.42E 38 4.4b,3.8s
NEIC IX 30 01 39 30.2–.80 39.05N 142.31E 36–9 4.3b,3.8s
IDC IX 30 01 39 30.2–1.7 38.89N 142.38E 42–16 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ40.00000°,λ-33.00000°. NP2:ϕ_s220.00000°,δ70.00000°,λ-125.00000°. $M_0$1.59000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=26.6.
MOS Error ellipse: s-maj=11.1km s-min=7.2km az=86.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=134.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=17.4km s-min=10.0km az=106.0.
ISC IX 30 05 41 52.4–1.2 36.78N–.03 140.49E–.04 3–8 3.6b 29 0-147
NIED IX 30 05 41 00 36.80N 140.60E 8 3.6W **¶601857522**
ISCJB IX 30 05 41 52.4–.55 36.76N–.03 140.62E–.05 12–3 3.5b,3.2s
JMA IX 30 05 41 53.1 36.78N 140.56E 8–1 3.6,3.2s
IDC IX 30 05 41 60.0–3.5 36.70N 140.25E 61–33 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ40.00000°,λ-85.00000°. NP2:ϕ_s176.00000°,δ50.00000°,λ-94.00000°. $M_0$2.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=21.9.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ67.00000°,λ-83.00000°. NP2:ϕ_s177.00000°,δ24.00000°,λ-106.00000°. Principal axes: T Plg22.0000°,Azm99.0000°; N Plg6.0000°,Azm192.0000°; P Plg67.0000°,Azm297.0000°
IDC Error ellipse: s-maj=28.9km s-min=21.6km az=101.0.
JMA IX 30 07 06 58.8–.10 35.74N 140.84E 8–1 3.4
NIED IX 30 07 06 00 35.70N 140.80E 11 3.6W **¶603682367**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s184.00000°,δ50.00000°,λ-113.00000°. $M_0$3.02000×10^{14}
ISC IX 30 13 39 58.1–.93 36.99N–.05 140.62E–.04 12–7 3.8b 23 0-61
ISCJB IX 30 13 39 58.9–.53 37.01N–.03 140.63E–.05 8–4 3.7b **¶601857535**
JMA IX 30 13 39 59.0 37.01N 140.61E 8–1 3.8
IDC IX 30 13 40 04.9–5.0 36.95N 140.59E 67–41 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.4km az=16.8.
JMA Felt [III] J1.
IDC Error ellipse: s-maj=39.9km s-min=25.8km az=90.0.
ISC IX 30 21 40 43.6–1.3 38.59N–.05 141.84E–.10 49–10 3.7b 30 0-59
ISCJB IX 30 21 40 42.8–.71 38.59N–.03 141.78E–.08 56–5 3.6b **¶601857552**
JMA IX 30 21 40 44.0–.10 38.62N 141.74E 50–1 3.7
IDC IX 30 21 40 44.7–2.1 38.58N 141.91E 66–19 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=4.8km az=16.2.
JMA Felt [II] J1.
IDC Error ellipse: s-maj=34.6km s-min=12.4km az=97.0.
ISC IX 30 22 39 15.3–.39 38.32N–.03 142.08E–.04 10 4.4b 159 1-89
NIED IX 30 22 39 00 38.40N 141.90E 14 4.1W **¶601769301**
BJI IX 30 22 39 13.2 38.39N 142.37E 14 4.8b,4.5b
ISCJB IX 30 22 39 13.9–.24 38.36N–.02 142.08E–.03 10 4.3b,4.0s
IDC IX 30 22 39 14.8–.58 38.32N 142.05E 0 4.2,4.1
MOS IX 30 22 39 16.3–1.4 38.42N 142.10E 25 4.5b,4.1
JMA IX 30 22 39 17.1–.10 38.41N 141.89E 19–1 4.6,4.1
NEIC IX 30 22 39 17.9–2.1 38.33N 142.08E 26–15 4.6b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ67.00000°,λ-16.00000°. NP2:ϕ_s287.00000°,δ76.00000°,λ-156.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=35.2.
IDC Error ellipse: s-maj=16.8km s-min=12.0km az=103.0.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=91.0.
JMA Felt [III] J1.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=119.0. Recorded [3 JMA] in Iwate and Miyagi.
JMA X 01 01 29 41.0–.10 38.43N 142.19E 32–1 3.6
¶606038202
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 01 05 17 57.7–.64 35.97N–.03 141.37E–.04 48–5 4.8b,4.0s 510 0-152
NIED X 01 05 17 00 36.00N 141.50E 32 4.7W,4.0s **¶601769313**
JMA X 01 05 17 54.8–.20 35.98N 141.48E 48–3 4.7,4.0s
ISCJB X 01 05 17 55.9–.37 35.89N–.02 141.36E–.02 47–3 4.8b,4.1s
MOS X 01 05 17 55.4–.92 36.32N 141.39E 29 5.1b,4.0s
BJI X 01 05 17 56.0 35.92N 141.15E 43 5.0b,4.9b
IDC X 01 05 17 57.9–1.8 35.93N 141.38E 53–15 4.7,4.5
NEIC X 01 05 17 58.2–.43 35.90N 141.31E 54–4 4.7b,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ-39.00000°. NP2:ϕ_s69.00000°,δ62.00000°,λ-131.00000°. $M_0$1.07000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.1km az=161.3.
MOS Error ellipse: s-maj=6.6km s-min=4.7km az=110.6.
IDC Error ellipse: s-maj=11.7km s-min=10.0km az=128.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=143.0. Recorded [2 JMA] in Chiba and Ibaraki.
JMA X 01 16 08 36.9–.10 40.10N 142.14E 46–1 3.6
NIED X 01 16 08 00 40.10N 142.10E 56 3.5W **¶603682953**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ18.00000°,λ38.00000°. NP2:ϕ_s54.00000°,δ79.00000°,λ105.00000°. $M_0$1.98000×10^{14}
ISC X 01 18 40 53.1–.53 36.93N–.03 141.29E–.03 23–3 5.1b,5.0s 872 0-161
NIED X 01 18 40 00 36.90N 141.50E 5 5.3W,5.0s **¶606038685**
BJI X 01 18 40 46.8 36.85N 141.50E 6 5.3s,5.1b
IDC X 01 18 40 49.1–.38 36.93N 141.26E 0 4.9,4.9b
JMA X 01 18 40 49.6–.10 36.92N 141.40E 30–1 5.6,4.9b
ISCJB X 01 18 40 52.3–.50 36.97N–.02 141.14E–.02 19–3 5.0b,5.0s
GCMT X 01 18 40 53.6–.10 36.95N–.01 141.35E–.01 12 5.3W,5.0s
MOS X 01 18 40 54.6–1.1 37.22N 141.09E 30 5.3b,5.1s
NEIC X 01 18 40 54.6–1.9 36.92N 141.03E 26–13 5.1b,5.1s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ45.00000°,λ-74.00000°. NP2:ϕ_s190.00000°,δ47.00000°,λ-105.00000°. $M_0$9.30000×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=8.8km az=111.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s189.00000°,δ81.00000°,λ97.00000°. NP2:ϕ_s329.00000°,δ11.00000°,λ50.00000°. Principal axes: T Plg53.0000°,Azm108.0000°; N Plg7.0000°,Azm8.0000°; P Plg36.0000°,Azm273.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=152.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c121; s116,c229;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91±.01 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$0.83±.01; $M_{r\theta}$0.17±.04; $M_{\theta\phi}$0.37±.01; $M_{\phi r}$-0.07±.04; Best double couple: NP1:ϕ_s213.00000°,δ46.00000°,λ-74.00000°. NP2:ϕ_s11.00000°,δ46.00000°,λ-106.00000°. Principal axes: T 0.9890,Plg0.0000°,Azm292.0000°; N -0.0440,Plg12.0000°,Azm22.0000°; P -0.9450,Plg78.0000°,Azm202.0000° $M_0$0.96700×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=4.3km az=102.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=144.0. Felt [II] at Tokyo. Felt widely in east-central Honshu. Recorded [3 JMA] in Fukushima and Ibaraki.
JMA X 01 20 19 55.3–.10 36.85N 141.39E 31–1 3.5
¶601777946
ISC X 01 20 20 58.1–.79 36.90N–.03 141.27E–.05 24–4 4.4b 101 0-147
NIED X 01 20 20 00 36.90N 141.40E 5 4.3W **¶606038744**
BJI X 01 20 20 52.8 36.83N 141.59E 18 4.8b,4.5b
IDC X 01 20 20 54.4–.46 36.89N 141.21E 0 4.3,4.3b
ISCJB X 01 20 20 55.4–.82 36.89N–.03 141.40E–.05 21–5 4.3b,3.4s
JMA X 01 20 20 55.6–.10 36.87N 141.39E 30–1 4.5,3.4s
MOS X 01 20 20 57.4–1.2 36.95N 141.27E 34 4.8b,3.4s
NEIC X 01 20 20 58.1–2.0 36.89N 141.26E 24–14 4.9b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ43.00000°,λ-112.00000°. NP2:ϕ_s212.00000°,δ51.00000°,λ-71.00000°. $M_0$3.63000×10^{15}
IDC Error ellipse: s-maj=14.2km s-min=10.6km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=15.1.
JMA Event type fe.
MOS Error ellipse: s-maj=9.6km s-min=7.2km az=112.5.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=5.5km az=118.0. Recorded [2 JMA] in Ibaraki.
ISC X 01 20 48 29.8–1.6 36.99N–.04 141.33E–.06 11–9 3.9b 46 0-147
NIED X 01 20 48 00 36.90N 141.40E 5 3.9W **¶601874825**
ISCJB X 01 20 48 29.5–1.0 36.92N–.03 141.41E–.07 22–6 3.8b
JMA X 01 20 48 29.7–.10 36.91N 141.40E 31–1 4.2
IDC X 01 20 48 33.6–3.5 36.92N 141.18E 35–27 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ45.00000°,λ-112.00000°. NP2:ϕ_s218.00000°,δ49.00000°,λ-69.00000°. $M_0$9.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.3km az=6.2.
JMA Event type fe.
IDC Error ellipse: s-maj=18.6km s-min=15.2km az=91.0.
ISC X 01 20 50 40.7–1.9 37.18N–.04 141.59E–.05 15–11 4.3b,3.7s 58 1-146
JMA X 01 20 50 44.2–.10 37.20N 141.44E 47–1 4.4,3.7s **¶601861521**
IDC X 01 20 50 47.5–1.9 37.17N 141.44E 70–17 4.2,4.1
NEIC X 01 20 50 48.3–.84 37.16N 141.41E 78–7 4.9b,4.1
ISC Event type se.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.0km s-min=11.7km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.0km az=114.0. Recorded [2 JMA] in Fukushima and Miyagi.
ISC X 01 21 27 36.8–.54 36.34N–.04 141.00E–.06 45–4 4.2b 87 0-147
NIED X 01 21 27 00 36.40N 141.00E 47 4.2W **¶601776136**
ISCJB X 01 21 27 35.2–.55 36.33N–.03 141.04E–.05 45–4 4.1b
JMA X 01 21 27 36.2–.10 36.37N 140.95E 46–1 4.3
IDC X 01 21 27 37.0–.47 36.31N 140.95E 46–4 4.2,4.1
NEIC X 01 21 27 37.5–.84 36.25N 141.06E 55–7 4.0b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ50.00000°,λ146.00000°. NP2:ϕ_s351.00000°,δ65.00000°,λ46.00000°. $M_0$2.45000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.9km az=12.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=8.2km s-min=7.6km az=147.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=7.8km az=94.0. Recorded [3 JMA] in Fukushima and Ibaraki.
ISC X 01 22 31 57.5–1.8 36.87N–.03 141.37E–.07 2–10 4.1b 33 1-69
IDC X 01 22 31 55.7–1.3 36.91N 141.69E 0 4.0,4.0b **¶601996436**
ISCJB X 01 22 31 57.1–1.7 36.85N–.03 141.44E–.05 14–11 4.0b,4.0b
JMA X 01 22 31 57.8–.10 36.85N 141.39E 28–1 3.9,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=19.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=171.1.
JMA Event type fe.
ISC X 02 01 10 46.1–.63 36.19N–.03 141.04E–.04 28–4 4.6b 262 0-147
NIED X 02 01 10 00 36.10N 141.10E 29 4.4W **¶601776150**
IDC X 02 01 10 41.7–.54 36.07N 140.95E 0 4.4,4.3
BJI X 02 01 10 42.1 36.16N 140.99E 15 4.9b,4.7b
JMA X 02 01 10 44.9–.10 36.09N 140.98E 39–1 4.2,4.7b
ISCJB X 02 01 10 45.5–.43 36.15N–.03 140.93E–.03 32–2 4.5b,3.9s
MOS X 02 01 10 46.5–.96 36.39N 140.89E 32 4.8b,3.9s
NEIC X 02 01 10 46.6–.20 36.14N 140.89E 28 4.6b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s88.00000°,δ13.00000°,λ-2.00000°. NP2:ϕ_s180.00000°,δ90.00000°,λ-103.00000°. $M_0$3.94000×10^{15}
IDC Error ellipse: s-maj=14.7km s-min=12.2km az=153.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=156.1.
MOS Error ellipse: s-maj=7.7km s-min=5.4km az=111.3.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=161.0. Recorded [3 JMA] in Ibaraki.
ISC X 02 05 46 59.8–2.5 36.95N–.05 141.39E–.07 15–15 3.5b 25 0-57
NIED X 02 05 46 00 36.90N 141.40E 5 3.5W **¶601996765**
ISCJB X 02 05 46 58.0–1.3 36.94N–.04 141.48E–.06 10–7 3.4b
IDC X 02 05 46 58.1–1.4 36.80N 141.36E 0 3.7,3.5b
JMA X 02 05 46 59.7–.10 36.92N 141.39E 31–1 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ35.00000°,λ-115.00000°. NP2:ϕ_s236.00000°,δ59.00000°,λ-73.00000°. $M_0$2.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.1km az=31.5.
IDC Error ellipse: s-maj=34.4km s-min=28.9km az=129.0.
JMA Event type fe.
ISC X 02 06 32 44.2–1.8 36.87N–.04 141.32E–.08 11–10 3.7b 23 0-61
NIED X 02 06 32 00 36.80N 141.40E 5 3.4W **¶601996773**
ISCJB X 02 06 32 42.3–1.8 36.85N–.04 141.47E–.07 11–12 3.6b
IDC X 02 06 32 42.0–2.0 36.92N 141.46E 0 3.7,3.6
JMA X 02 06 32 44.1–.10 36.86N 141.37E 30–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ44.00000°,λ-103.00000°. NP2:ϕ_s235.00000°,δ47.00000°,λ-78.00000°. $M_0$1.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.7km az=165.5.
IDC Error ellipse: s-maj=39.3km s-min=25.8km az=55.0.
JMA Event type fe.
ISC X 02 16 25 18.7–1.2 39.55N–.05 142.30E–.09 49–9 3.8b 35 0-75
NIED X 02 16 25 00 39.60N 142.30E 56 3.9W **¶601996827**
ISCJB X 02 16 25 17.7–.78 39.55N–.04 142.32E–.10 56–6 3.7b
JMA X 02 16 25 18.3 39.56N 142.30E 50–1 3.9
IDC X 02 16 25 20.1–2.5 39.48N 142.26E 68–22 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ38.00000°,λ95.00000°. NP2:ϕ_s190.00000°,δ52.00000°,λ86.00000°. $M_0$7.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=5.6km az=14.6.
JMA Event type fe.
IDC Error ellipse: s-maj=21.3km s-min=15.2km az=110.0.
ISC X 02 19 04 45.5–2.3 36.86N–.04 141.46E–.09 5–13 20 1-57
ISCJB X 02 19 04 44.1–1.5 36.86N–.04 141.51E–.08 4–7 3.3b **¶601996835**
IDC X 02 19 04 44.3–2.8 36.86N 141.60E 0 3.5,3.4b
JMA X 02 19 04 46.8–.10 36.87N 141.40E 23–1 3.3,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.7km az=5.0.
IDC Error ellipse: s-maj=54.3km s-min=35.7km az=35.0.
ISC X 02 19 17 13.7–.82 36.87N–.04 141.32E–.06 10 4.0b 28 0-78
NIED X 02 19 17 00 36.90N 141.40E 5 4.0W **¶606039173**
ISCJB X 02 19 17 11.9–.61 36.87N–.04 141.41E–.05 10 3.9b
JMA X 02 19 17 12.5–.10 36.88N 141.39E 29–1 3.9
IDC X 02 19 17 12.2–.81 36.79N 141.56E 0 4.1,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ38.00000°,λ-100.00000°. NP2:ϕ_s196.00000°,δ53.00000°,λ-82.00000°. $M_0$1.03000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=157.1.
IDC Error ellipse: s-maj=20.5km s-min=18.8km az=105.0.
ISC X 03 01 55 32.8–1.2 35.68N–.06 140.83E–.09 47–8 18 0-56
IDC X 03 01 55 24.2–3.3 35.93N 141.44E 0 3.6,3.4 **¶601996876**
ISCJB X 03 01 55 31.6–.91 35.68N–.06 140.86E–.09 53–5 3.4b,2.9s
JMA X 03 01 55 32.5–.10 35.65N 140.73E 46–2 3.0,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=86.9km s-min=32.4km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.7km az=146.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 03 05 57 37.5–1.9 36.95N–.06 141.22E–.08 17–11 3.4b 20 0-57
ISCJB X 03 05 57 34.4–1.4 36.85N–.05 141.45E–.07 5–7 3.4b **¶601996892**

IDC X 03 05 57 35.9–1.4 37.12N 141.26E 0 3.6,3.4
JMA X 03 05 57 36.4–.10 36.86N 141.37E 32–1 3.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.4km az=34.6.
IDC Error ellipse: s-maj=31.7km s-min=26.1km az=140.0.
ISC X 03 09 39 59.3–.36 38.08N–.03 141.96E–.03 47–2 4.9b,4.2s 844 1-160
NIED X 03 09 39 00 38.10N 141.90E 47 4.8W,4.2s **¶606039393**
BJI X 03 09 39 55.6 37.99N 142.02E 40 5.0b,5.0b
MOS X 03 09 39 58.9–.93 38.28N 141.83E 45 5.1b,5.0b
JMA X 03 09 39 59.4–.10 38.05N 141.91E 51–1 5.0,5.0b
ISCJB X 03 09 39 59.8–.28 38.06N–.02 141.83E–.02 61–2 4.9b,5.0b
IDC X 03 09 39 59.5–.44 38.04N 141.84E 48–3 4.7,4.6
NEIC X 03 09 40 00.9–.39 38.05N 141.83E 56–3 4.9b,4.6
GCMT X 03 09 40 00.9–.40 38.15N–.02 141.91E–.03 64–7 4.8W,4.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ8.00000°,λ47.00000°. NP2: ϕ_s228.00000°,δ85.00000°,λ95.00000°. $M_0$1.95000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s356.00000°,δ86.00000°,λ-82.00000°. NP2:ϕ_s111.00000°,δ8.00000°,λ-155.00000°. Principal axes: T Plg41.0000°,Azm79.0000°; N Plg8.0000°,Azm176.0000°; P Plg48.0000° ,Azm274.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt at Higashimatsushima and Oshu. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c22; s71,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.71±.16 $M_{\theta\theta}$-0.65±.15; $M_{\phi\phi}$-0.05±.16; $M_{r\theta}$-1.38±.09; $M_{\theta\phi}$-0.08±.13; $M_{\phi r}$-1.29±.08; Best double couple: NP1:ϕ_s230.00000°,δ81.00000°,λ82.00000°. NP2:ϕ_s93.00000°,δ12.00000°,λ133.00000°. Principal axes: T 2.1160,Plg53.0000° ,Azm130.0000°; N -0.2310,Plg8.0000°,Azm231.0000°; P -1.8850,Plg36.0000° ,Azm327.0000° $M_0$2.00100×10^{16}
ISC X 03 11 04 58.5–.80 39.37N–.04 142.05E–.06 60–6 4.1b 75 0-145
NIED X 03 11 04 00 39.40N 142.00E 59 4.0W **¶601874832**
ISCJB X 03 11 04 57.3–.47 39.38N–.03 142.06E–.06 65–3 3.9b
JMA X 03 11 04 58.3 39.37N 142.00E 60–1 4.1
NEIC X 03 11 04 59.7–1.2 39.39N 142.07E 73–10 4.5b
IDC X 03 11 05 01.5–2.2 39.36N 141.90E 90–20 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ36.00000°,λ135.00000°. NP2:ϕ_s140.00000°,δ65.00000°,λ63.00000°. $M_0$1.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=3.9km az=21.8.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=20.6km s-min=8.8km az=126.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=17.2km s-min=12.7km az=112.0.
ISC X 03 20 02 18.5–1.6 36.84N–.07 141.24E–.10 47–12 3.5b 26 0-61
NIED X 03 20 02 00 36.80N 141.10E 38 3.6W **¶606039587**
ISCJB X 03 20 02 17.9–.94 36.85N–.06 141.24E–.09 56–7 3.5b
JMA X 03 20 02 20.6–.10 36.85N 141.03E 50–1 3.8
IDC X 03 20 02 20.6–2.8 37.01N 141.15E 68–25 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ31.00000°,λ3.00000°. NP2:ϕ_s24.00000°,δ88.00000°,λ121.00000°. $M_0$2.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.8km az=32.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=14.2km az=121.0.
ISC X 03 22 57 34.6–1.8 36.85N–.04 141.33E–.08 10–9 3.5b 26 0-57
ISCJB X 03 22 57 33.1–1.4 36.85N–.04 141.41E–.07 10–7 3.4b **¶601996985**
JMA X 03 22 57 34.0–.10 36.85N 141.38E 28–1 3.2
IDC X 03 22 57 34.4–2.8 37.00N 141.27E 0 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=4.0.
IDC Error ellipse: s-maj=66.9km s-min=31.9km az=57.0.
ISC X 04 22 48 08.0–1.1 36.02N–.03 140.17E–.07 63–8 3.7b 43 0-83
IDC X 04 22 47 58.0–1.1 36.20N 140.76E 0 3.9,3.8 **¶601833130**
NEIC X 04 22 48 03.7–.95 36.16N 140.60E 35 4.3b,3.8
ISCJB X 04 22 48 08.4–.49 36.07N–.03 140.07E–.06 80–3 3.6b,3.8
JMA X 04 22 48 10.1–.10 36.09N 140.01E 67–1 3.4,3.8
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=19.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=15.8km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=3.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ60.00000°,λ88.00000°. NP2: ϕ_s189.00000°,δ30.00000°,λ93.00000°. Principal axes: T Plg75.0000°,Azm271.0000° ; N Plg1.0000°,Azm7.0000°; P Plg15.0000°,Azm97.0000°
ISC X 05 01 10 19.3–1.7 36.88N–.04 141.35E–.07 15–9 23 0-57
IDC X 05 01 10 17.5–1.5 36.82N 141.48E 0 3.8,3.6s **¶601997087**
ISCJB X 05 01 10 19.2–1.1 36.89N–.04 141.39E–.07 28–5 3.6s,3.4b
JMA X 05 01 10 19.4–.10 36.89N 141.38E 32–1 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=46.3km s-min=29.5km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.3km az=9.9.
ISC X 05 19 28 16.7–.90 35.58N–.05 140.08E–.06 72–7 3.9b 30 0-75
ISCJB X 05 19 28 15.3–.51 35.57N–.04 140.10E–.06 77–4 3.8b **¶601997189**
IDC X 05 19 28 15.2–2.2 35.54N 140.28E 62–18 3.8,3.6
JMA X 05 19 28 16.0–.20 35.64N 140.06E 70–2 3.5,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.0km az=156.9.
IDC Error ellipse: s-maj=35.1km s-min=10.6km az=78.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ67.00000°,λ106.00000°. NP2: ϕ_s149.00000°,δ27.00000°,λ56.00000°. Principal axes: T Plg64.0000°,Azm303.0000° ; N Plg15.0000°,Azm180.0000°; P Plg21.0000°,Azm84.0000°
ISC X 06 03 24 38.1–2.1 39.22N–.05 142.50E–.08 23–14 3.8b 30 1-76
NIED X 06 03 24 00 39.20N 142.50E 29 3.8W **¶601997233**
ISCJB X 06 03 24 38.9–1.1 39.21N–.04 142.45E–.10 43–10 3.7b
JMA X 06 03 24 38.9–.10 39.22N 142.44E 33–1 3.9
IDC X 06 03 24 43.1–2.9 39.17N 142.38E 70–27 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ12.00000°,λ-78.00000°. NP2:ϕ_s210.00000°,δ78.00000°,λ-93.00000°. $M_0$5.26000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=5.9km az=16.3.
JMA Event type fe.
IDC Error ellipse: s-maj=28.1km s-min=15.6km az=108.0.
ISC X 06 04 22 51.8–1.1 35.70N–.05 140.19E–.08 35 3.6b 15 1-59
ISCJB X 06 04 22 50.6–.78 35.65N–.04 140.2E–.10 35 3.5b **¶601997238**
JMA X 06 04 22 52.4–.10 35.76N 140.10E 43–1 3.3
IDC X 06 04 22 56.8–1.7 35.40N 139.47E 60–15 3.5,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.7km az=169.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ63.00000°,λ-134.00000°. NP2: ϕ_s290.00000°,δ50.00000°,λ-36.00000°. Principal axes: T Plg8.0000°,Azm165.0000° ; N Plg38.0000°,Azm69.0000°; P Plg51.0000°,Azm264.0000°
IDC Error ellipse: s-maj=36.1km s-min=9.6km az=72.0.
ISC X 06 11 38 35.3–2.2 38.43N–.05 142.28E–.09 15–13 21 1-62
IDC X 06 11 38 30.0–5.1 38.76N 142.84E 0 3.4,3.2 **¶601997267**
JMA X 06 11 38 38.2–.10 38.43N 142.20E 37–1 3.4,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=104.0km s-min=44.1km az=176.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 06 11 43 09.8–1.5 35.30N–.03 141.31E–.05 1–9 4.2b,3.4s 85 1-96
NIED X 06 11 43 00 35.40N 141.20E 5 4.1W,3.4s **¶601874130**
ISCJB X 06 11 43 08.6–.87 35.30N–.03 141.36E–.04 5–5 4.2b,3.5s
IDC X 06 11 43 10.1–.66 35.22N 141.35E 0 4.1,4.0
JMA X 06 11 43 11.0–.10 35.36N 141.23E 22–1 4.2,4.0
NEIC X 06 11 43 14.9–.31 35.29N 141.33E 35 4.6b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s276.00000°,δ59.00000°,λ-173.00000°. NP2:ϕ_s182.00000°,δ84.00000°,λ-31.00000°. $M_0$1.61000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=162.6.
IDC Error ellipse: s-maj=17.8km s-min=14.6km az=88.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=6.2km az=58.0.
ISC X 06 23 43 06.2–1.2 36.75N–.03 140.88E–.06 15–7 3.9b 46 0-147
NIED X 06 23 43 00 36.80N 140.80E 8 3.9W **¶601794907**
ISCJB X 06 23 43 05.8–.63 36.75N–.03 140.92E–.05 23–4 3.8b
JMA X 06 23 43 07.4 36.77N 140.79E 16–1 4.1
IDC X 06 23 43 09.4–3.3 36.76N 140.81E 35–26 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ30.00000°,λ-112.00000°. NP2:ϕ_s182.00000°,δ62.00000°,λ-78.00000°. $M_0$8.13000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.1km az=14.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s187.00000°,δ51.00000°,λ-85.00000°. NP2:ϕ_s359.00000°,δ39.00000°,λ-96.00000°. Principal axes: T Plg6.0000°,Azm273.0000°; N Plg4.0000°,Azm3.0000°; P Plg83.0000° ,Azm127.0000°
IDC Error ellipse: s-maj=18.2km s-min=12.6km az=87.0.
JMA X 07 10 11 23.3–.10 38.57N 142.07E 43–1 3.6
NIED X 07 10 11 00 38.50N 142.20E 59 3.6W **¶603685747**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ37.00000°,λ32.00000°. NP2:ϕ_s237.00000°,δ71.00000°,λ122.00000°. $M_0$2.43000×10^{14}
ISC X 07 11 00 55.2–1.1 36.78N–.03 140.54E–.04 4–8 3.6b 28 0-76
NIED X 07 11 00 00 36.80N 140.60E 5 3.8W **¶606041326**
ISCJB X 07 11 00 54.6–.61 36.76N–.03 140.64E–.05 13–4 3.4b
IDC X 07 11 00 54.8–.96 36.79N 140.49E 0 3.7,3.6
JMA X 07 11 00 55.3 36.77N 140.58E 7–1 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ37.00000°,λ-102.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ-81.00000°. $M_0$5.02000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.4km az=20.9.
IDC Error ellipse: s-maj=21.6km s-min=13.5km az=168.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s141.00000°,δ49.00000°,λ-81.00000°. NP2:ϕ_s308.00000°,δ41.00000°,λ-100.00000°. Principal axes: T Plg4.0000°,Azm225.0000°; N Plg7.0000°,Azm315.0000°; P Plg82.0000° ,Azm105.0000°
ISC X 07 12 22 24.0–1.1 36.85N–.03 140.60E–.05 7–7 3.6b 26 0-147
IDC X 07 12 22 22.7–.87 36.72N 140.58E 0 3.8,3.6 **¶606041382**
ISCJB X 07 12 22 23.1–.67 36.85N–.03 140.68E–.07 16–5 3.6b,3.6
JMA X 07 12 22 23.8 36.87N 140.56E 6–1 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=13.7km az=170.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=4.3km az=17.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ84.00000°,λ-82.00000°. NP2:ϕ_s326.00000°,δ10.00000°,λ-146.00000°. Principal axes: T Plg39.0000°,Azm285.0000°; N Plg8.0000°,Azm22.0000°; P Plg50.0000° ,Azm122.0000°
ISC X 07 13 16 22.6–3.2 36.85N–.04 141.11E–.06 15–22 3.3b 23 0-61
NIED X 07 13 16 00 36.80N 141.10E 11 3.6W **¶601997374**
IDC X 07 13 16 20.3–1.6 36.83N 141.21E 0 3.6,3.5
ISCJB X 07 13 16 22.1–1.0 36.84N–.04 141.22E–.07 24–6 3.3b,3.5
JMA X 07 13 16 23.5–.10 36.83N 141.09E 32–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ42.00000°,λ-58.00000°. NP2:ϕ_s194.00000°,δ55.00000°,λ-116.00000°. $M_0$3.13000×10^{14}
IDC Error ellipse: s-maj=31.5km s-min=22.4km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.1km az=14.8.
JMA Event type fe.
ISC X 07 14 22 19.7–1.6 40.29N–.03 142.37E–.08 30–10 3.6b 33 1-88
NIED X 07 14 22 00 40.30N 142.50E 38 3.7W **¶601997380**
JMA X 07 14 22 18.5–.10 40.26N 142.49E 34–1 3.6
ISCJB X 07 14 22 19.1–.88 40.30N–.03 142.45E–.09 44–9 3.6b
IDC X 07 14 22 24.4–2.3 40.46N 142.10E 66–20 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ21.00000°,λ69.00000°. NP2:ϕ_s29.00000°,δ71.00000°,λ98.00000°. $M_0$3.94000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.3km az=4.4.
IDC Error ellipse: s-maj=24.1km s-min=14.5km az=112.0.
ISC X 07 16 50 54.2–3.2 36.42N–.04 141.79E–.06 29–23 4.3b,3.3s 116 1-147
NIED X 07 16 50 00 36.50N 141.60E 32 4.2W,3.3s **¶601836636**
IDC X 07 16 50 50.0–.51 36.39N 141.70E 0 4.3,4.2
ISCJB X 07 16 50 53.7–.66 36.41N–.03 141.76E–.05 40–5 4.2b,3.3s
NEIC X 07 16 50 55.7–.54 36.39N 141.70E 41–4 4.4b,3.3s
JMA X 07 16 50 55.2–.10 36.46N 141.59E 57–3 4.3,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ27.00000°,λ-121.00000°. NP2:ϕ_s16.00000°,δ67.00000°,λ-75.00000°. $M_0$2.08000×10^{15}
IDC Error ellipse: s-maj=14.3km s-min=11.8km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.9km az=178.6.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=92.0. Recorded [1 JMA] in Fukushima, Ibaraki and Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 07 17 32 24.6–1.1 37.49N–.05 141.43E–.08 50–9 4.0b,3.0s 48 0-146
NIED X 07 17 32 00 37.50N 141.40E 53 4.1W,3.0s **¶601874135**
ISCJB X 07 17 32 23.8–.67 37.50N–.04 141.41E–.08 57–4 4.0b,2.9s
JMA X 07 17 32 24.6 37.51N 141.39E 51–1 4.0,2.9s
IDC X 07 17 32 28.0–2.5 37.46N 141.18E 80–21 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ25.00000°,λ96.00000°. NP2:ϕ_s19.00000°,δ65.00000°,λ87.00000°. $M_0$1.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.5km az=19.0.
JMA Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=14.4km az=93.0.
ISC X 07 18 33 22.0–2.0 37.65N–.05 141.88E–.08 4–10 27 1-146
NIED X 07 18 33 00 37.60N 141.90E 20 3.5W **¶601997402**
ISCJB X 07 18 33 21.7–1.6 37.64N–.05 141.94E–.09 13–13 3.3s,3.1b
IDC X 07 18 33 21.5–2.2 37.68N 142.03E 0 3.3,3.3b
JMA X 07 18 33 22.8–.10 37.62N 141.90E 27–2 4.0,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s72.00000°,δ41.00000°,λ-31.00000°. NP2:ϕ_s187.00000°,δ70.00000°,λ-126.00000°. $M_0$2.03000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.3km az=24.7.
IDC Error ellipse: s-maj=44.8km s-min=28.9km az=147.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 08 05 10 20.8–1.4 36.28N–.04 141.53E–.09 26 17 1-71
JMA X 08 05 10 21.1–.30 36.33N 141.61E 52 3.3 **¶606041711**
IDC X 08 05 10 33.3–1.6 34.80N 137.66E 0 3.8,3.7L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=16.1km az=95.0.
ISC X 08 10 49 05.6–1.2 38.88N–.05 142.01E–.09 51–9 3.9b 30 0-78
NIED X 08 10 49 00 38.90N 142.00E 47 3.9W **¶601997495**
ISCJB X 08 10 49 04.5–.82 38.89N–.04 142.00E–.10 58–5 3.8b
JMA X 08 10 49 05.7–.10 38.89N 141.97E 50–1 3.9
IDC X 08 10 49 07.0–2.4 38.92N 142.00E 66–21 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ15.00000°,λ86.00000°. NP2:ϕ_s20.00000°,δ75.00000°,λ91.00000°. $M_0$7.61000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=5.9km az=16.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=14.5km az=96.0.
ISC X 08 11 03 58.8–.68 36.07N–.05 140.15E–.05 70–6 4.0b 55 0-92
NIED X 08 11 03 00 36.10N 140.10E 65 4.2W **¶601795691**
ISCJB X 08 11 03 58.3–.36 36.09N–.03 140.12E–.05 74–2 3.9b
JMA X 08 11 03 59.7–.10 36.11N 140.10E 62–1 3.9
IDC X 08 11 04 01.0–1.7 36.10N 139.98E 85–15 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ28.00000°,λ68.00000°. NP2:ϕ_s31.00000°,δ64.00000°,λ101.00000°. $M_0$2.51000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.6km az=160.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ80.00000°,λ90.00000°. NP2:

ϕ_s225.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm315.0000° ; N Plg0.0000°,Azm45.0000°; P Plg35.0000°,Azm135.0000°

IDC Error ellipse: s-maj=16.4km s-min=12.8km az=91.0.

ISC X 08 14 42 08.1–1.8 37.75N–.04 141.86E–.07 9–10 3.5b 32 1-62

IDC X 08 14 42 06.8–1.5 37.72N 142.01E 0 3.6b,3.5 ¶601997539

ISCJB X 08 14 42 07.0–1.1 37.75N–.04 141.99E–.07 15–7 3.5b,3.5

JMA X 08 14 42 09.4–.10 37.76N 141.83E 24–1 3.8,3.5

ISC Event type ke.

IDC Error ellipse: s-maj=35.0km s-min=20.4km az=75.0.

ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.0km az=25.7.

ISC X 08 20 55 44.6–.78 35.70N–.04 140.14E–.05 48–7 3.7b 36 0-77

NIED X 08 20 55 00 35.80N 140.10E 41 3.9W ¶601997571

ISCJB X 08 20 55 43.3–.40 35.69N–.03 140.16E–.05 58–3 3.6b,2.5s

IDC X 08 20 55 44.6–1.4 35.58N 140.15E 49–13 3.8,3.7

JMA X 08 20 55 44.7–.10 35.77N 140.11E 43–2 3.7,3.7

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ48.00000°,λ-31.00000°. NP2:ϕ_s21.00000°,δ68.00000°,λ-134.00000°. $M_0$8.62000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=170.5.

IDC Error ellipse: s-maj=19.3km s-min=7.5km az=65.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ85.00000°,λ-138.00000°. NP2: ϕ_s286.00000°,δ49.00000°,λ-7.00000°. Principal axes: T Plg24.0000°,Azm146.0000° ; N Plg48.0000°,Azm26.0000°; P Plg32.0000°,Azm252.0000°

ISC X 08 22 47 38.4–.83 35.57N–.05 140.08E–.06 72–7 3.9b 32 0-75

ISCJB X 08 22 47 37.5–.46 35.60N–.04 140.07E–.06 79–4 3.8b ¶606042108

JMA X 08 22 47 38.6–.20 35.69N 140.06E 67–2 3.3

IDC X 08 22 47 39.1–3.6 35.61N 140.09E 78–26 4.0,3.7

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.0km az=150.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s358.00000°,δ67.00000°,λ79.00000°. NP2: ϕ_s204.00000°,δ25.00000°,λ115.00000°. Principal axes: T Plg66.0000°,Azm248.0000° ; N Plg10.0000°,Azm2.0000°; P Plg21.0000°,Azm96.0000°

IDC Error ellipse: s-maj=56.1km s-min=13.8km az=62.0.

ISC X 09 09 24 34.6–1.9 37.98N–.05 141.99E–.07 27–12 3.4b 35 1-62

NIED X 09 09 24 00 38.00N 141.90E 38 3.6W ¶601997639

JMA X 09 09 24 36.7–.10 38.01N 141.88E 45–1 3.7

IDC X 09 09 24 37.7–2.8 38.03N 142.09E 58–27 3.3,3.3

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ9.00000°,λ136.00000°. NP2:ϕ_s298.00000°,δ83.00000°,λ83.00000°. $M_0$2.68000×10^{14}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=29.5km s-min=16.0km az=105.0.

ISC X 09 10 17 23.0–1.6 37.15N–.05 141.22E–.07 24–12 3.6b 26 0-61

NIED X 09 10 17 00 37.10N 141.30E 26 3.6W ¶601997647

IDC X 09 10 17 19.7–1.1 37.15N 141.21E 0 3.6,3.5

ISCJB X 09 10 17 21.9–1.1 37.11N–.04 141.33E–.08 29–6 3.5b,3.5

JMA X 09 10 17 23.8–.10 37.14N 141.21E 35–1 3.9,3.5

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ30.00000°,λ-114.00000°. NP2:ϕ_s151.00000°,δ63.00000°,λ-77.00000°. $M_0$2.79000×10^{14}

IDC Error ellipse: s-maj=30.9km s-min=21.2km az=92.0.

ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.9km az=19.3.

JMA Event type fe.

JMA X 09 14 50 51.7–.10 37.35N 141.35E 49–1 3.5

¶606042392

JMA Event type fe.

ISC X 09 17 54 17.1–3.4 38.18N–.05 142.37E–.07 13–22 3.7b 29 1-68

NIED X 09 17 54 00 38.20N 142.40E 20 3.7W ¶601997682

IDC X 09 17 54 14.6–1.4 38.20N 142.74E 0 3.7b,3.7

ISCJB X 09 17 54 17.9–1.4 38.22N–.05 142.45E–.07 31–9 3.6b,3.7

JMA X 09 17 54 18.8–.10 38.24N 142.38E 34–2 4.0,3.7

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s144.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s323.00000°,δ57.00000°,λ-91.00000°. $M_0$4.56000×10^{14}

IDC Error ellipse: s-maj=36.2km s-min=21.0km az=82.0.

ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.2km az=34.0.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC X 10 00 14 05.1–.92 35.29N–.04 141.28E–.08 25 3.7b 20 1-76

IDC X 10 00 14 02.0–1.1 35.37N 141.37E 0 3.8,3.7 ¶601997703

ISCJB X 10 00 14 03.6–.75 35.27N–.04 141.35E–.07 25 3.8s,3.6b

JMA X 10 00 14 04.6–.10 35.29N 141.28E 26–2 3.0,3.6b

ISC Event type ke.

IDC Error ellipse: s-maj=31.3km s-min=18.5km az=80.0.

ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.8km az=172.5.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA X 10 12 24 40.0–.10 38.44N 142.22E 26–2 3.6

NIED X 10 12 24 00 38.40N 142.20E 35 3.6W ¶603687260

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ40.00000°,λ-69.00000°. NP2:ϕ_s323.00000°,δ53.00000°,λ-106.00000°. $M_0$2.64000×10^{14}

ISC X 10 14 40 35.9–1.6 38.16N–.05 141.82E–.09 43–15 3.5b 32 0-62

NIED X 10 14 40 00 38.20N 141.70E 56 3.7W ¶601997770

ISCJB X 10 14 40 35.7–.82 38.17N–.04 141.74E–.09 56–7 3.5b

JMA X 10 14 40 36.9–.10 38.17N 141.68E 51–1 3.5

IDC X 10 14 40 36.1–3.2 38.25N 141.95E 51–30 3.4,3.4

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s248.00000°,δ31.00000°,λ121.00000°. NP2:ϕ_s32.00000°,δ64.00000°,λ73.00000°. $M_0$3.57000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=5.3km az=22.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=35.1km s-min=12.8km az=118.0.

ISC X 10 18 51 21.7–1.8 38.07N–.07 142.3E–.10 14 3.3b 22 1-58

NIED X 10 18 51 00 37.90N 142.40E 20 3.5W ¶601997797

ISCJB X 10 18 51 19.8–1.1 37.95N–.06 142.47E–.09 14 3.3b

JMA X 10 18 51 20.8–.20 37.91N 142.45E 36–3 3.6

IDC X 10 18 51 24.3–2.1 38.39N 141.86E 0 3.5,3.4

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s114.00000°,δ23.00000°,λ177.00000°. NP2:ϕ_s207.00000°,δ89.00000°,λ67.00000°. $M_0$2.32000×10^{14}

ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.8km az=34.9.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

IDC Error ellipse: s-maj=42.7km s-min=24.0km az=104.0.

ISC X 10 21 39 35.0–1.7 36.87N–.04 141.47E–.06 5–10 3.6b 32 1-90

NIED X 10 21 39 00 36.80N 141.60E 8 3.6W ¶601997804

IDC X 10 21 39 34.5–.95 36.87N 141.47E 0 3.9,3.8

ISCJB X 10 21 39 35.0–.99 36.84N–.04 141.55E–.06 19–6 3.6b,3.8

JMA X 10 21 39 36.2–.10 36.85N 141.46E 45–2 3.8,3.8

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ29.00000°,λ-88.00000°. NP2:ϕ_s25.00000°,δ61.00000°,λ-91.00000°. $M_0$2.49000×10^{14}

IDC Error ellipse: s-maj=21.9km s-min=18.4km az=117.0.

ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.2km az=24.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA X 10 21 39 48.0–.10 38.41N 141.79E 57–1 3.7

¶606043014

JMA Event type fe.

ISC X 11 07 06 14.2–.71 36.12N–.04 140.05E–.05 73–6 4.4b 116 0-153

NIED X 11 07 06 00 36.20N 140.10E 68 4.3W ¶601874144

ISCJB X 11 07 06 13.1–.42 36.08N–.03 140.04E–.05 80–3 4.3b

JMA X 11 07 06 14.2–.10 36.13N 140.08E 64–1 3.9

NEIC X 11 07 06 16.0–.45 36.04N 139.98E 93–3 4.5b

IDC X 11 07 06 16.4–1.1 36.10N 139.99E 96–10 4.2,4.0

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ105.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ82.00000°. $M_0$2.73000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.2km az=27.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s6.00000°,δ65.00000°,λ81.00000°. NP2: ϕ_s207.00000°,δ27.00000°,λ109.00000°. Principal axes: T Plg69.0000°,Azm257.0000° ; N Plg9.0000°,Azm10.0000°; P Plg19.0000°,Azm103.0000°

NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=112.0.

IDC Error ellipse: s-maj=13.2km s-min=8.8km az=79.0.

ISC X 11 20 06 59.6–1.8 38.17N–.04 142.24E–.07 12–10 3.5b 35 1-58

IDC X 11 20 06 57.4–1.6 38.20N 142.72E 0 3.7,3.7 ¶606043397

NIED X 11 20 07 00 38.20N 142.20E 38 3.7W,3.7

JMA X 11 20 07 04.0–.10 38.25N 142.11E 41–1 4.0,3.7

ISC Event type ke.

IDC Error ellipse: s-maj=34.7km s-min=20.8km az=89.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ48.00000°,λ54.00000°. NP2: ϕ_s228.00000°,δ53.00000°,λ123.00000°. $M_0$3.95000×10^{14}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC X 11 20 45 58.8–1.0 39.85N–.03 142.07E–.06 30–7 3.9b 36 0-75

NIED X 11 20 45 00 39.80N 142.10E 35 3.9W ¶601874146

ISCJB X 11 20 45 58.2–.68 39.84N–.03 142.11E–.08 39–6 3.8b,3.4s

JMA X 11 20 45 58.6 39.84N 142.09E 33–1 3.8,3.4s

IDC X 11 20 46 02.9–2.0 39.92N 142.16E 68–16 3.8,3.6

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ15.00000°,λ175.00000°. NP2:ϕ_s275.00000°,δ89.00000°,λ75.00000°. $M_0$7.27000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=4.9km az=5.3.

JMA Event type fe.

IDC Error ellipse: s-maj=24.5km s-min=10.4km az=115.0.

JMA X 11 23 36 39.0–.10 37.28N 141.21E 35–1 3.6

¶606043448

JMA Event type fe.

ISC X 12 02 30 34.0–1.5 36.60N–.04 141.01E–.07 18–4 3.7b 24 0-60

IDC X 12 02 30 29.3–2.0 36.91N 141.33E 0 3.7,3.6 ¶601997950

ISCJB X 12 02 30 33.4–1.1 36.56N–.04 141.05E–.08 26–6 3.6b,3.6

JMA X 12 02 30 34.4 36.60N 140.99E 12–1 3.5,3.6

ISC Event type ke.

IDC Error ellipse: s-maj=42.5km s-min=26.3km az=44.0.

ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.7km az=19.7.

ISC X 12 04 57 20.7–.25 35.82N–.03 140.63E–.03 35–1 5.2b,4.7s 1082 0-162

NIED X 12 04 57 00 35.90N 140.60E 38 5.3W,4.7s ¶601828945

BJI X 12 04 57 16.6 35.71N 140.87E 45 5.2b,5.0b

ISCJB X 12 04 57 19.8–.26 35.78N–.02 140.40E–.02 36–2 5.1b,4.7s

JMA X 12 04 57 19.5–.10 35.85N 140.55E 37–1 5.1,4.7s

NEIC X 12 04 57 19.8–.93 35.76N 140.35E 25–6 5.2b,4.7s

IDC X 12 04 57 19.1–3.7 35.79N 140.45E 22–24 5.0,5.0

MOS X 12 04 57 20.8–.73 36.13N 140.33E 33 5.4b,4.6s

GCMT X 12 04 57 21.8–.20 35.84N–.01 140.63E–.02 34–0 5.4W,4.6s

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s279.00000°,δ24.00000°,λ151.00000°. NP2:ϕ_s35.00000°,δ79.00000°,λ68.00000°. $M_0$9.46000×10^{16}

ISCJB Event type fe.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s65.00000°,δ60.00000°,λ97.00000°. NP2:ϕ_s231.00000°,δ31.00000°,λ78.00000°. Principal axes: T Plg74.0000°,Azm354.0000°; N Plg6.0000°,Azm242.0000°; P Plg15.0000° ,Azm150.0000°

NEIC Event type fe. Felt [IV] at Chiba and Narita and [III] at Tokyo. Felt throughout Tokyo-to and in much of Chiba, Ibaraki, Kanagawa, Saitama and Tochigi. Recorded [4 JMA] in Chiba and Ibaraki.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c113; s96,c177;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.04 $M_{\theta\theta}$-0.82±.03; $M_{\phi\phi}$-0.28±.03; $M_{r\theta}$0.69±.03; $M_{\theta\phi}$-0.51±.02; $M_{r\phi}$0.74±.03; Best double couple: NP1:ϕ_s48.00000°,δ66.00000°,λ81.00000°. NP2:ϕ_s249.00000°,δ25.00000°,λ109.00000°. Principal axes: T 1.5090,Plg68.0000° ,Azm302.0000°; N -0.0180,Plg8.0000°,Azm52.0000°; P -1.4910,Plg21.0000°,Azm145.0000° $M_0$1.50000×10^{17}

JMA X 12 06 14 53.3–.10 35.85N 140.54E 36–1 3.1

¶606043666

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA X 12 06 46 42.7–.20 37.34N 142.00E 36–3 3.5

¶606043687

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC X 12 13 30 14.0–1.7 36.28N–.05 141.01E–.06 16–10 3.6b 24 0-78

NIED X 12 13 30 00 36.30N 141.00E 47 3.9W ¶606043933

IDC X 12 13 30 11.5–.92 36.26N 140.98E 0 3.8,3.8

JMA X 12 13 30 15.9–.10 36.23N 140.90E 47–1 3.5,3.8

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ26.00000°,λ-169.00000°. NP2:ϕ_s156.00000°,δ85.00000°,λ-64.00000°. $M_0$9.22000×10^{14}

IDC Error ellipse: s-maj=23.5km s-min=21.1km az=82.0.

JMA Event type fe.

JMA X 12 14 21 05.2–.10 35.19N 140.20E 11–2 3.1

¶606043966

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA X 12 14 35 26.9–.20 35.59N 140.98E 24–1 1.7

¶601830326

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC X 12 14 35 52.1–.71 35.83N–.04 140.57E–.05 35 3.8b 27 0-79

NIED X 12 14 35 00 35.90N 140.70E 38 3.9W ¶606043974

ISCJB X 12 14 35 51.0–.44 35.82N–.04 140.55E–.06 35 3.6b,3.3s

JMA X 12 14 35 51.6–.10 35.84N 140.56E 38–1 3.6,3.3s

IDC X 12 14 35 52.4–3.4 35.79N 140.50E 36–28 3.8,3.7L

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ26.00000°,λ96.00000°. NP2:ϕ_s40.00000°,δ64.00000°,λ87.00000°. $M_0$6.80000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=156.3.

JMA Event type fe.

IDC Error ellipse: s-maj=25.9km s-min=16.6km az=90.0.

ISC X 13 00 54 51.4–2.8 37.58N–.05 141.93E–.06 3–16 3.9b 39 1-146

NIED X 13 00 54 00 37.60N 142.00E 11 3.7W ¶601874150

ISCJB X 13 00 54 52.3–1.3 37.60N–.04 142.05E–.07 19–8 3.8b

JMA X 13 00 54 53.5–.10 37.64N 142.01E 30–2 4.0

IDC X 13 00 54 56.5–3.9 37.61N 141.91E 36–31 3.9,3.9

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ42.00000°,λ-116.00000°. NP2:ϕ_s28.00000°,δ53.00000°,λ-69.00000°. $M_0$4.46000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.9km az=19.5.

JMA Event type fe.

IDC Error ellipse: s-maj=21.6km s-min=15.3km az=90.0.

ISC X 13 14 02 19.4–.92 35.80N–.04 140.55E–.05 32–7 3.6b 31 0-75

NIED X 13 14 02 00 35.90N 140.60E 50 3.8W ¶601998125

IDC X 13 14 02 14.3–.94 35.75N 140.56E 0 3.8,3.7

ISCJB X 13 14 02 18.5–.42 35.84N–.04 140.59E–.05 44–4 3.6b,3.7

JMA X 13 14 02 19.3–.10 35.85N 140.54E 38–1 3.5,3.7

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s292.00000°,δ23.00000°,λ-174.00000°. NP2:ϕ_s197.00000°,δ88.00000°,λ-67.00000°. $M_0$6.03000×10^{14}

IDC Error ellipse: s-maj=24.9km s-min=15.6km az=76.0.

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.3km az=150.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ71.00000°,λ79.00000°. NP2: ϕ_s234.00000°,δ22.00000°,λ118.00000°. Principal axes: T Plg63.0000°,Azm278.0000° ; N Plg10.0000°,Azm28.0000°; P Plg25.0000°,Azm123.0000°

ISC X 14 04 37 11.4–1.2 36.76N–.03 140.84E–.07 15–7 3.7b 26 0-60

NIED X 14 04 37 00 36.80N 140.80E 11 3.5W ¶601834048

IDC X 14 04 37 08.5–1.7 36.76N 140.96E 0 3.9,3.8b

ISCJB X 14 04 37 10.2–.89 36.73N–.03 140.96E–.07 20–5 3.7b,3.8b

JMA X 14 04 37 12.0 36.76N 140.79E 17–1 3.9,3.8b

NEIC X 14 04 37 13.8–1.1 36.77N 140.87E 35 4.0b,3.8b

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ45.00000°,λ-126.00000°. NP2:ϕ_s199.00000°,δ55.00000°,λ-59.00000°. $M_0$1.99000×10^{14}

IDC Error ellipse: s-maj=39.3km s-min=21.3km az=59.0.

ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.8km az=16.3.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s179.00000°,δ51.00000°,λ-83.00000°. NP2:ϕ_s348.00000°,δ39.00000°,λ-98.00000°. Principal axes: T Plg6.0000°,Azm264.0000°; N Plg5.0000°,Azm355.0000°; P Plg82.0000° ,Azm124.0000°

NEIC Event type fe. Error ellipse: s-maj=22.7km s-min=14.7km az=222.0. Recorded [3 JMA] in Ibaraki.
ISC X 14 05 06 41.0–1.9 40.20N–.05 142.45E–.10 31–12 4.2b 48 1-88
NIED X 14 05 06 00 40.20N 142.50E 41 4.2W **¶601881232**
IDC X 14 05 06 37.6–1.8 40.37N 142.37E 0 4.2,4.1
ISCJB X 14 05 06 41.0–.93 40.15N–.03 142.48E–.09 47–7 4.2b,4.1
JMA X 14 05 06 41.1–.10 40.11N 142.47E 34–1 4.1,4.1
NEIC X 14 05 06 43.7–.94 40.26N 142.32E 50–9 4.8b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ27.00000°,λ93.00000°. NP2:ϕ_s21.00000°,δ63.00000°,λ89.00000°. $M_0$2.13000×10^{15}
IDC Error ellipse: s-maj=39.0km s-min=26.4km az=151.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.6km az=177.0.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=8.2km az=123.0. Recorded [1 JMA] in Aomori and Iwate.
ISC X 14 08 39 46.7–1.9 36.23N–.04 141.27E–.08 4–13 22 1-56
IDC X 14 08 39 46.9–1.5 36.08N 141.28E 0 3.7,3.5 **¶601998194**
JMA X 14 08 39 50.9–.10 36.27N 141.17E 47–2 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=23.6km az=122.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 14 21 23 58.6–1.9 38.74N–.06 142.29E–.08 32–12 3.6b 28 1-63
NIED X 14 21 23 00 38.70N 142.30E 44 3.9W **¶601998260**
ISCJB X 14 21 23 57.4–1.0 38.73N–.04 142.35E–.09 44–11 3.6b
JMA X 14 21 23 58.5–.10 38.71N 142.26E 39–1 3.9
IDC X 14 21 23 59.7–2.0 38.73N 142.37E 49–20 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s155.00000°,δ19.00000°,λ19.00000°. NP2:ϕ_s47.00000°,δ84.00000°,λ108.00000°. $M_0$8.51000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=6.1km az=19.3.
JMA Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=11.1km az=111.0.
JMA X 15 01 28 17.4–.10 38.60N 142.17E 37–1 3.5
¶606045410
JMA X 15 06 06 27.4–.10 36.91N 141.39E 30–1 3.6
¶606045480
ISC X 15 11 58 35.8–2.2 39.74N–.05 142.71E–.08 13–12 26 1-64
NIED X 15 11 58 00 39.70N 142.70E 32 3.7W **¶601998321**
JMA X 15 11 58 38.0–.10 39.72N 142.65E 31–2 3.6
IDC X 15 11 58 42.7–3.2 39.66N 142.64E 69–30 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ39.00000°,λ30.00000°. NP2:ϕ_s251.00000°,δ72.00000°,λ125.00000°. $M_0$3.82000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=48.0km s-min=24.4km az=85.0.
JMA X 15 21 46 58.9–.20 35.84N 140.54E 37–2 1.0
¶603690259
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 15 21 47 47.4–.36 36.66N–.04 141.89E–.04 19 4.8b 413 1-147
NIED X 15 21 47 00 36.70N 141.90E 23 4.5W **¶606045816**
ISCJB X 15 21 47 47.2–.17 36.73N–.03 141.78E–.02 19 4.7b,3.8s
JMA X 15 21 47 48.2–.30 36.72N 141.87E 45–5 4.5,3.8s
MOS X 15 21 47 50.5–.94 37.04N 141.67E 36 5.0b,3.8s
IDC X 15 21 47 50.1–2.2 36.68N 141.79E 37–18 4.5,4.4
NEIC X 15 21 47 51.1–.50 36.69N 141.71E 38–4 4.8b,4.4
BJI X 15 21 47 52.9 36.81N 141.57E 65 4.9b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ36.00000°,λ-134.00000°. NP2:ϕ_s62.00000°,δ65.00000°,λ-63.00000°. $M_0$5.35000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=172.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=116.4.
IDC Error ellipse: s-maj=13.4km s-min=11.8km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.7km az=165.0. Recorded [2 JMA] in Fukushima.
ISC X 16 01 49 27.7–1.4 35.57N–.06 140.98E–.09 17–8 3.7b 26 0-91
NIED X 16 01 49 00 35.60N 141.00E 29 4.0W **¶601998418**
IDC X 16 01 49 24.7–.74 35.46N 140.94E 0 3.9,3.8
ISCJB X 16 01 49 27.6–.79 35.55N–.05 141.00E–.08 27–4 3.6b,3.8
JMA X 16 01 49 28.1–.10 35.60N 141.00E 25–1 3.5,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ32.00000°,λ-138.00000°. NP2:ϕ_s176.00000°,δ69.00000°,λ-65.00000°. $M_0$1.01000×10^{15}
IDC Error ellipse: s-maj=21.5km s-min=18.6km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.9km az=170.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 16 14 15 45.9–1.9 36.82N–.04 140.64E–.06 17–14 19 0-60
ISCJB X 16 14 15 46.4–.76 36.78N–.03 140.68E–.07 19–6 3.4b **¶601998540**
JMA X 16 14 15 47.6 36.81N 140.54E 6–1 3.2
IDC X 16 14 15 48.3–2.1 36.25N 140.44E 0 3.5,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.2km az=11.1.
JMA Event type fe.
IDC Error ellipse: s-maj=31.8km s-min=16.8km az=30.0.
ISC X 16 16 47 36.3–1.2 40.37N–.04 142.05E–.08 52–9 3.4b 24 0-60
NIED X 16 16 47 00 40.40N 142.10E 35 3.5W **¶601998560**
ISCJB X 16 16 47 35.5–.81 40.38N–.04 142.07E–.10 58–6 3.4b
JMA X 16 16 47 36.4–.10 40.36N 142.08E 51–1 3.6
IDC X 16 16 47 36.8–2.4 40.37N 142.30E 72–23 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ30.00000°,λ50.00000°. NP2:ϕ_s45.00000°,δ67.00000°,λ111.00000°. $M_0$1.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=6.3km az=3.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=16.6km az=97.0.
ISC X 16 18 56 41.6–1.4 35.83N–.05 141.01E–.08 14–7 21 0-60
IDC X 16 18 56 40.4–1.9 35.70N 140.87E 0 3.5,3.4 **¶601998570**
ISCJB X 16 18 56 41.9–.90 35.82N–.04 141.02E–.07 28–5 3.4b,3.4
JMA X 16 18 56 42.6–.20 35.78N 140.94E 15–1 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=25.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.5km az=172.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 16 21 11 47.1–2.2 39.15N–.06 142.41E–.10 24–14 22 1-59
ISCJB X 16 21 11 46.1–1.4 39.17N–.04 142.48E–.09 22–8 3.5s,3.0b **¶601998576**
JMA X 16 21 11 47.5–.10 39.20N 142.41E 31–1 3.4,3.0b
IDC X 16 21 11 50.9–4.5 39.01N 142.42E 58–41 3.6,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.2km az=9.4.
IDC Error ellipse: s-maj=42.3km s-min=26.3km az=93.0.
ISC X 17 00 43 58.3–.84 36.73N–.03 140.61E–.04 12–5 4.5b 115 0-147
NIED X 17 00 43 00 36.70N 140.60E 5 4.2W **¶601837349**
IDC X 17 00 43 56.5–.50 36.77N 140.49E 0 4.4,4.2
JMA X 17 00 43 57.8 36.72N 140.63E 7 4.5,4.2
ISCJB X 17 00 43 57.6–.40 36.72N–.02 140.60E–.03 13–2 4.3b,3.3s
BJI X 17 00 44 02.8 36.75N 140.49E 63 4.8b,4.7b
NEIC X 17 00 44 05.6–.82 36.65N 140.23E 65–7 4.4b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ33.00000°,λ-75.00000°. NP2:ϕ_s129.00000°,δ58.00000°,λ-100.00000°. $M_0$2.66000×10^{15}
IDC Error ellipse: s-maj=15.1km s-min=12.4km az=96.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s132.00000°,δ50.00000°,λ-106.00000°. NP2:ϕ_s336.00000°,δ42.00000°,λ-72.00000°. Principal axes: T Plg4.0000°,Azm233.0000°; N Plg12.0000°,Azm142.0000°; P Plg77.0000° ,Azm341.0000°
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.5km az=21.3.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=7.2km az=152.0. Recorded [4 JMA] in Ibaraki.
JMA X 17 00 52 41.2 36.73N 140.62E 7 3.5
NIED X 17 00 52 00 36.70N 140.70E 5 3.4W **¶603690724**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ49.00000°,λ-89.00000°. NP2:ϕ_s161.00000°,δ41.00000°,λ-91.00000°. Principal axes: T Plg4.0000°,Azm72.0000°; N Plg1.0000°,Azm162.0000°; P Plg86.0000° ,Azm266.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ47.00000°,λ-63.00000°. NP2:ϕ_s139.00000°,δ49.00000°,λ-116.00000°. $M_0$1.45000×10^{14}
ISC X 17 03 29 22.3–1.5 37.06N–.04 141.43E–.07 28–10 3.8b 29 1-74
NIED X 17 03 29 00 37.00N 141.40E 8 3.6W **¶601998610**
ISCJB X 17 03 29 22.8–.90 37.01N–.04 141.43E–.09 47–8 3.7b,3.6s
JMA X 17 03 29 23.2–.10 37.00N 141.37E 28–1 3.8,3.6s
IDC X 17 03 29 27.9–2.9 36.94N 141.29E 89–29 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ23.00000°,λ-97.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ-87.00000°. $M_0$2.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.0km az=14.2.
JMA Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=17.2km az=57.0.
ISC X 17 05 37 51.9–1.4 35.13N–.05 141.3E–.10 35 3.6b 16 1-59
JMA X 17 05 37 48.5–.10 35.15N 141.38E 18–2 3.1 **¶601998625**
IDC X 17 05 37 48.1–2.1 35.10N 141.15E 0 3.6,3.6b
ISCJB X 17 05 37 50.0–1.0 35.11N–.06 141.31E–.09 35 3.6b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 17 10 57 41.0–1.7 37.84N–.04 141.98E–.07 26–12 3.6b 37 1-89
NIED X 17 10 57 00 37.90N 141.90E 56 3.7W **¶601998651**
IDC X 17 10 57 37.4–1.0 37.74N 142.30E 0 3.8,3.6
JMA X 17 10 57 43.6 37.91N 141.83E 51–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ28.00000°,λ99.00000°. NP2:ϕ_s213.00000°,δ62.00000°,λ85.00000°. $M_0$3.64000×10^{14}
IDC Error ellipse: s-maj=31.2km s-min=18.7km az=117.0.
JMA Event type fe.
JMA X 18 04 19 53.3–.10 38.28N 141.84E 47–1 3.6
¶606046967
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 18 06 46 21.1–1.1 35.55N–.05 140.10E–.06 77–7 24 0-55
IDC X 18 06 46 10.1–2.7 35.74N 140.84E 0 3.5,3.4 **¶601998762**
ISCJB X 18 06 46 19.8–.71 35.57N–.04 140.07E–.07 82–5 3.4b,3.4
JMA X 18 06 46 20.9–.10 35.70N 140.09E 65–2 2.8,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=59.1km s-min=23.6km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.5km az=159.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA X 18 11 06 22.8–.10 39.23N 142.44E 32–1 3.8
NIED X 18 11 06 00 39.20N 142.50E 32 3.5W **¶603691493**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ29.00000°,λ-80.00000°. NP2:ϕ_s208.00000°,δ62.00000°,λ-95.00000°. $M_0$1.88000×10^{14}
ISC X 18 21 14 51.8–1.7 38.85N–.06 142.1E–.10 44–12 3.8b 25 0-78
NIED X 18 21 14 00 38.90N 142.10E 44 3.7W **¶606047253**
ISCJB X 18 21 14 51.0–1.2 38.84N–.05 142.1E–.10 53–7 3.8b
JMA X 18 21 14 52.1–.10 38.85N 142.05E 46–1 3.9
IDC X 18 21 14 53.2–3.2 38.80N 142.23E 68–24 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ30.00000°,λ77.00000°. NP2:ϕ_s19.00000°,δ61.00000°,λ97.00000°. $M_0$4.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=17.2km s-min=7.2km az=17.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=22.4km az=89.0.
ISC X 19 01 58 19.7–.88 38.47N–.05 142.23E–.08 43–8 3.9b 41 1-89
NIED X 19 01 58 00 38.50N 142.30E 47 4.0W **¶601874175**
ISCJB X 19 01 58 18.1–.94 38.45N–.04 142.29E–.08 46–8 3.8b
JMA X 19 01 58 18.8–.10 38.48N 142.24E 40–1 3.9
IDC X 19 01 58 19.8–.76 38.39N 142.23E 48–7 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ4.00000°,λ51.00000°. NP2:ϕ_s242.00000°,δ87.00000°,λ93.00000°. $M_0$9.52000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.0km az=16.7.
JMA Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=13.9km az=94.0.
ISC X 19 04 10 48.3–.79 36.49N–.04 140.63E–.05 55–6 3.7b,3.2s 41 0-83
NIED X 19 04 10 00 36.50N 140.60E 56 3.8W,3.2s **¶606047349**
ISCJB X 19 04 10 47.3–.48 36.47N–.03 140.66E–.05 62–3 3.8b,3.2s
JMA X 19 04 10 48.4–.10 36.45N 140.60E 55–1 3.6,3.2s
IDC X 19 04 10 50.8–2.4 36.43N 140.50E 81–20 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ23.00000°,λ80.00000°. NP2:ϕ_s14.00000°,δ67.00000°,λ94.00000°. $M_0$6.52000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=24.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ65.00000°,λ90.00000°. NP2:ϕ_s194.00000°,δ25.00000°,λ91.00000°. Principal axes: T Plg70.0000°,Azm282.0000°; N Plg0.0000°,Azm13.0000°; P Plg20.0000° ,Azm103.0000°
IDC Error ellipse: s-maj=25.4km s-min=9.5km az=63.0.
ISC X 19 04 19 16.3–2.1 38.80N–.05 142.48E–.08 2–12 24 1-59
IDC X 19 04 19 17.7–1.5 38.61N 143.03E 0 3.8s,3.8 **¶601998888**
JMA X 19 04 19 20.6–.10 38.93N 142.36E 31–2 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=27.8km az=125.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 19 05 55 52.9–2.4 37.28N–.07 141.96E–.09 8–12 19 1-57
IDC X 19 05 55 54.5–2.7 36.92N 142.26E 0 3.6,3.5b **¶601998891**
JMA X 19 05 55 57.6–.10 37.27N 141.80E 36–2 3.4,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=57.5km s-min=33.4km az=40.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 19 09 12 57.0–.39 39.35N–.04 142.05E–.05 47–2 4.6b,3.6s 264 0-145
NIED X 19 09 12 00 39.30N 142.10E 50 4.5W,3.6s **¶601838902**
MOS X 19 09 12 54.7–1.0 39.30N 141.91E 38 4.7b,3.6s
BJI X 19 09 12 55.6 39.29N 142.14E 58 5.0b,4.8b
ISCJB X 19 09 12 56.8–.39 39.34N–.03 142.05E–.05 56–2 4.5b,3.6s
JMA X 19 09 12 57.6 39.34N 142.06E 48–1 4.4,3.6s
NEIC X 19 09 12 57.2–.36 39.34N 142.03E 44 4.6b,3.6s
IDC X 19 09 12 57.0–.47 39.28N 141.95E 45–3 4.4,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ23.00000°,λ83.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ93.00000°. $M_0$5.64000×10^{15}
MOS Error ellipse: s-maj=9.7km s-min=5.6km az=105.1.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=29.7.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=6.2km az=135.0. Recorded [3 JMA] in Iwate.
IDC Error ellipse: s-maj=11.8km s-min=9.8km az=104.0.
ISC X 19 11 59 43.1–.79 35.71N–.04 140.11E–.05 45–8 3.9b 49 0-92
NIED X 19 11 59 00 35.80N 140.10E 41 4.1W **¶601874178**
ISCJB X 19 11 59 41.9–.35 35.71N–.03 140.14E–.04 51–3 3.9b,2.9s
JMA X 19 11 59 42.6–.10 35.77N 140.11E 42–1 3.9,2.9s
IDC X 19 11 59 44.7–1.3 35.53N 139.92E 65–12 4.1,4.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ45.00000°,λ-33.00000°. NP2:ϕ_s22.00000°,δ68.00000°,λ-130.00000°. $M_0$1.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=157.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ89.00000°,λ-120.00000°. NP2: ϕ_s294.00000°,δ30.00000°,λ-1.00000°. Principal axes: T Plg37.0000°,Azm141.0000° ; N Plg30.0000°,Azm25.0000°; P Plg38.0000°,Azm268.0000°
IDC Error ellipse: s-maj=19.1km s-min=6.0km az=67.0.
ISC X 20 08 58 09.9–.84 36.61N–.03 140.60E–.04 8–5 3.5b 31 0-147
NIED X 20 08 58 00 36.60N 140.60E 5 3.8W **¶601840496**
ISCJB X 20 08 58 10.0–.64 36.59N–.03 140.69E–.06 16–4 3.5b
JMA X 20 08 58 10.7 36.62N 140.61E 3–1 3.7
IDC X 20 08 58 17.1–2.8 36.60N 140.40E 60–26 3.6,3.6

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s342.00000°,δ30.00000°,λ-97.00000°. NP2:ϕ_s170.00000°,δ60.00000°,λ-86.00000°. M_o5.39000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=24.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s344.00000°,δ47.00000°,λ-91.00000°. NP2:ϕ_s166.00000°,δ43.00000°,λ-89.00000°. Principal axes: T Plg2.0000°,Azm75.0000°; N Plg1.0000°,Azm345.0000°; P Plg88.0000°,Azm228.0000°
IDC Error ellipse: s-maj=24.7km s-min=16.4km az=64.0.

ISC	**X**	**20 09 02 13.2–1.0**	**36.67N–.04**	**140.59E–.04**	**5–7**	**3.5b**	**26**	**0-91**
NIED	X	20 09 02 00	36.60N	140.60E	5	3.4W		**¶606047936**
IDC	X	20 09 02 12.0–1.0	36.54N	140.60E	0	3.7,3.5		
ISCJB	X	20 09 02 13.0–.55	36.62N–.03	140.64E–.05	10–3	3.5b,3.5		
JMA	X	20 09 02 13.7	36.63N	140.61E	4–1	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ26.00000°,λ-114.00000°. NP2:ϕ_s179.00000°,δ66.00000°,λ-78.00000°. M_o1.60000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=22.0km az=129.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=16.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s164.00000°,δ48.00000°,λ-90.00000°. NP2:ϕ_s344.00000°,δ42.00000°,λ-90.00000°. Principal axes: T Plg3.0000°,Azm254.0000°; N Plg0.0000°,Azm164.0000°; P Plg87.0000°,Azm74.0000°

ISC	**X**	**20 13 09 25.3–1.1**	**35.84N–.06**	**140.49E–.05**	**26–10**	**3.6b**	**14**	**0-56**
IDC	X	20 13 09 22.6–3.2	35.39N	140.20E	0	3.7,3.5b		**¶606048034**
ISCJB	X	20 13 09 25.5–.72	35.88N–.06	140.56E–.09	28–7	3.4b,3.5b		
JMA	X	20 13 09 25.0–.10	35.84N	140.53E	36–1	2.9,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=114.9km s-min=24.9km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=7.6km az=142.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**21 17 15 36.7–2.0**	**38.35N–.05**	**142.22E–.08**	**17–11**	**3.5b**	**24**	**1-62**
NIED	X	21 17 15 00	38.40N	142.20E	38	3.5W		**¶601999191**
IDC	X	21 17 15 34.2–1.7	38.22N	142.67E	0	3.5,3.5		
ISCJB	X	21 17 15 36.5–1.3	38.36N–.04	142.29E–.08	30–8	3.4b,3.5		
JMA	X	21 17 15 38.3–.10	38.42N	142.20E	36–1	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ18.00000°,λ-133.00000°. NP2:ϕ_s203.00000°,δ77.00000°,λ-78.00000°. M_o1.80000×10^{14}
IDC Error ellipse: s-maj=38.6km s-min=25.8km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.4km az=17.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**22 01 43 17.4–.56**	**39.19N–.03**	**142.44E–.04**	**41–4**	**4.8b,4.0s**	**829**	**1-159**
NIED	X	22 01 43 00	39.20N	142.40E	32	4.6W,4.0s		**¶601842527**
MOS	X	22 01 43 16.7–.82	39.40N	142.31E	35	5.0b,4.0s		
BJI	X	22 01 43 16.8	39.09N	142.54E	68	4.9b,4.9b		
JMA	X	22 01 43 16.0–.10	39.20N	142.41E	33–1	4.8,4.9b		
ISCJB	X	22 01 43 17.1–.38	39.20N–.02	142.30E–.02	45–3	4.7b,4.0s		
IDC	X	22 01 43 20.0–1.8	39.16N	142.34E	63–16	4.5,4.3		
NEIC	X	22 01 43 21.2–.41	39.13N	142.22E	71–3	4.8b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ16.00000°,λ-134.00000°. NP2:ϕ_s170.00000°,δ79.00000°,λ-79.00000°. M_o8.32000×10^{15}
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=99.6.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=149.8.
IDC Error ellipse: s-maj=11.7km s-min=9.8km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=151.0. Recorded [3 JMA] in Iwate and Miyagi.

ISC	**X**	**22 20 20 26.0–.92**	**35.59N–.05**	**140.05E–.07**	**75–7**	**3.9b**	**27**	**0-75**
ISCJB	X	22 20 20 24.8–.56	35.56N–.05	140.05E–.07	82–4	3.6b		**¶601999306**
IDC	X	22 20 20 24.3–4.1	35.60N	140.30E	67–30	3.8,3.6		
JMA	X	22 20 20 25.3–.20	35.69N	140.04E	68–2	3.3,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.1km az=147.6.
IDC Error ellipse: s-maj=53.5km s-min=7.3km az=66.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA	**X**	**23 17 16 34.9**	**38.41N**	**141.78E**	**55–1**	**3.7**		
								¶606049776

JMA Event type fe.

ISC	**X**	**23 21 55 16.3–.45**	**38.77N–.04**	**142.35E–.06**	**39–2**	**4.7b,3.8s**	**321**	**1-145**
NIED	X	23 21 55 00	38.70N	142.30E	41	4.5W,3.8s		**¶601843999**
BJI	X	23 21 55 12.4	38.55N	142.67E	44	5.1b,4.7b		
MOS	X	23 21 55 15.9–.90	38.92N	142.20E	38	4.9b,4.7b		
JMA	X	23 21 55 15.6–.10	38.74N	142.34E	38–2	4.5,4.7b		
ISCJB	X	23 21 55 15.3–.52	38.74N–.03	142.34E–.04	42–3	4.6b,3.8s		
IDC	X	23 21 55 17.6–1.4	38.74N	142.19E	47–13	4.5,4.3		
NEIC	X	23 21 55 18.6–.63	38.75N	142.29E	58–5	4.7b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ23.00000°,λ70.00000°. NP2:ϕ_s33.00000°,δ69.00000°,λ98.00000°. M_o7.04000×10^{15}
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=108.7.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.6km az=33.8.
IDC Error ellipse: s-maj=14.3km s-min=8.4km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.4km az=127.0. Recorded [1 JMA] in Iwate and Miyagi.

ISC	**X**	**23 22 04 57.4–1.8**	**38.77N–.04**	**142.45E–.08**	**12–10**		**25**	**1-59**
IDC	X	23 22 04 56.8–1.6	38.69N	143.10E	0	3.7,3.4		**¶601999420**
JMA	X	23 22 05 01.4–.10	38.89N	142.45E	31–2	3.3,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=72.3km s-min=29.6km az=126.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**24 07 05 40.0–.49**	**36.53N–.04**	**140.98E–.05**	**49–3**	**4.6b,3.7s**	**257**	**0-155**
NIED	X	24 07 05 00	36.60N	140.90E	53	4.5W,3.7s		**¶601844013**
ISCJB	X	24 07 05 39.5–.35	36.54N–.03	140.90E–.03	56–2	4.6b,3.6s		
MOS	X	24 07 05 40.6–.98	36.77N	140.80E	57	4.8b,3.6s		
JMA	X	24 07 05 40.3–.10	36.53N	140.85E	51–1	4.5,3.6s		
BJI	X	24 07 05 40.9	36.46N	140.70E	64	5.0b,4.7b		
IDC	X	24 07 05 42.3–1.4	36.51N	140.87E	69–13	4.5,4.3		
NEIC	X	24 07 05 43.3–.50	36.47N	140.75E	77–4	4.6b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ28.00000°,λ15.00000°. NP2:ϕ_s17.00000°,δ83.00000°,λ117.00000°. M_o5.39000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=40.9.
MOS Error ellipse: s-maj=7.7km s-min=5.3km az=107.5.
JMA Event type fe.
IDC Error ellipse: s-maj=11.7km s-min=8.9km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.4km az=154.0. Recorded [4 JMA] in Ibaraki.

ISC	**X**	**24 07 26 24.1–1.6**	**36.78N–.04**	**141.17E–.07**	**14–8**	**3.5b**	**27**	**0-147**
NIED	X	24 07 26 00	36.70N	141.30E	5	4.0W		**¶601999460**
ISCJB	X	24 07 26 22.9–1.1	36.76N–.04	141.27E–.07	17–7	3.5b		
JMA	X	24 07 26 22.5	36.74N	141.28E	26–1	3.6		
IDC	X	24 07 26 28.7–4.0	36.28N	140.91E	64–38	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ41.00000°,λ-77.00000°. NP2:ϕ_s11.00000°,δ51.00000°,λ-101.00000°. M_o1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=6.0km az=24.8.
JMA Event type fe.
IDC Error ellipse: s-maj=35.3km s-min=29.5km az=106.0.

ISC	**X**	**24 07 56 29.8–.86**	**36.55N–.04**	**140.88E–.07**	**47–7**	**4.0b**	**44**	**0-91**
NIED	X	24 07 56 00	36.60N	140.90E	53	4.0W		**¶601999466**
ISCJB	X	24 07 56 28.3–.53	36.52N–.03	140.91E–.06	53–4	3.9b,3.1s		
JMA	X	24 07 56 29.4–.10	36.54N	140.85E	51–1	4.0,3.1s		
IDC	X	24 07 56 32.7–1.9	36.41N	140.73E	75–17	4.0,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s92.00000°,δ56.00000°,λ11.00000°. NP2:ϕ_s356.00000°,δ81.00000°,λ146.00000°. M_o1.20000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.0km az=20.9.
JMA Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=9.3km az=69.0.

ISC	**X**	**24 09 19 14.4–1.9**	**38.31N–.06**	**142.0E–.10**	**43–17**		**20**	**0-58**
NIED	X	24 09 19 00	38.30N	141.90E	32	3.4W		**¶601999468**
ISCJB	X	24 09 19 14.1–1.3	38.30N–.05	141.9E–.10	51–11	3.8b		
JMA	X	24 09 19 15.1–.10	38.33N	141.87E	46–1	3.4		
IDC	X	24 09 19 22.3–9.9	38.18N	141.47E	107–64	3.4,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ48.00000°,λ9.00000°. NP2:ϕ_s42.00000°,δ83.00000°,λ137.00000°. M_o1.66000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=19.6km s-min=7.3km az=14.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=139.1km s-min=26.3km az=73.0.

ISC	**X**	**24 09 46 40.2–1.9**	**39.10N–.05**	**142.37E–.09**	**27–12**	**3.8b**	**22**	**1-63**
ISCJB	X	24 09 46 37.9–1.6	39.05N–.05	142.53E–.09	27–9	3.9b		**¶601999472**
JMA	X	24 09 46 39.1–.10	39.15N	142.50E	29–1	3.4		
IDC	X	24 09 46 44.1–2.7	39.15N	142.68E	74–26	3.7,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.3km az=16.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=33.7km s-min=12.0km az=111.0.

JMA	**X**	**24 20 29 29.6–.10**	**35.91N**	**140.93E**	**16–1**	**3.5**		
NIED	X	24 20 29 00	35.90N	140.90E	5	3.4W		**¶603694644**

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ69.00000°,λ-172.00000°. NP2:ϕ_s239.00000°,δ83.00000°,λ-21.00000°. M_o1.33000×10^{14}

JMA	**X**	**25 00 51 50.6**	**36.64N**	**140.89E**	**26–1**	**3.5**		
NIED	X	25 00 51 00	36.60N	140.90E	20	3.4W		**¶603614334**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ65.00000°,λ-14.00000°. NP2:ϕ_s311.00000°,δ78.00000°,λ-155.00000°. M_o1.32000×10^{14}

ISC	**X**	**25 04 09 58.4–3.5**	**37.71N–.05**	**141.88E–.07**	**5–22**	**3.9b**	**44**	**1-146**
NIED	X	25 04 09 00	37.80N	142.00E	8	3.8W		**¶601999563**
ISCJB	X	25 04 09 57.3–1.3	37.78N–.04	142.03E–.04	2–7	3.9b		
IDC	X	25 04 09 57.7–.72	37.59N	142.21E	0	3.9,3.8		
JMA	X	25 04 09 59.2–.20	37.78N	141.98E	28–3	4.0,3.8		
NEIC	X	25 04 09 59.1–4.6	37.61N	142.30E	10–28	4.4b,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s134.00000°,δ26.00000°,λ-55.00000°. NP2:ϕ_s276.00000°,δ69.00000°,λ-105.00000°. M_o6.48000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=140.2.
IDC Error ellipse: s-maj=22.6km s-min=17.2km az=100.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.0km az=112.0.

ISC	**X**	**25 10 32 27.3–.24**	**38.35N–.03**	**141.77E–.03**	**49–1**	**5.5b,5.3s**	**1691**	**0-160**
NIED	X	25 10 32 00	38.30N	141.90E	50	5.6W,5.3s		**¶606050969**
BJI	X	25 10 32 23.8	38.23N	141.94E	46	5.6b,5.5b		
ISCJB	X	25 10 32 26.5–.23	38.29N–.01	141.75E–.02	55–2	5.5b,5.1s		
JMA	X	25 10 32 26.5–.10	38.29N	141.86E	48–1	5.6,5.1s		
MOS	X	25 10 32 26.6–.95	38.35N	141.80E	61	5.8b,5.2s		
NEIC	X	25 10 32 27.0–.00	38.41N	141.86E	50	5.8b,5.2s		
IDC	X	25 10 32 27.6–.29	38.29N	141.80E	52–2	5.2,5.0		
NEIC	X	25 10 32 28.2–.31	38.31N	141.70E	56–2	5.7W,5.6W		
GCMT	X	25 10 32 29.2–.10	38.35N–.01	141.91E–.01	51–0	5.6W,5.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ22.00000°,λ74.00000°. NP2:ϕ_s31.00000°,δ69.00000°,λ96.00000°. M_o2.85000×10^{17}
ISCJB Event type fe.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s36.00000°,δ70.00000°,λ99.00000°. NP2:ϕ_s192.00000°,δ22.00000°,λ68.00000°. Principal axes: T Plg64.0000°,Azm320.0000°; N Plg8.0000°,Azm213.0000°; P Plg24.0000°,Azm119.0000°
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-1.83 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.97 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ85.00000°. NP2:ϕ_s216.00000°,δ24.00000°,λ101.00000°. Principal axes: T 3.4400,Plg68.0000°,Azm284.0000°; N -0.2000,Plg4.0000°,Azm26.0000°; P -3.2400,Plg20.0000°,Azm117.0000° M_o3.30000×10^{17}
NEIC Event type fe. Felt [IV] at Sendai, [III] at Tokyo and [II] at Tsuchiura. Felt in much of Honshu. Recorded [5L JMA] in Miyagi. Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}2.36 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-3.00 $M_{r\theta}$1.55 $M_{\theta\phi}$-0.67 $M_{\phi r}$2.06 Best double couple: NP1:ϕ_s167.00000°,δ29.00000°,λ50.00000°. NP2:ϕ_s30.00000°,δ68.00000°,λ109.00000°. Principal axes: T 3.6300,Plg62.0000°,Azm330.0000°; N 0.3600,Plg18.0000°,Azm202.0000°; P -3.9900,Plg21.0000°,Azm105.0000° M_o3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c233; s131,c322; Duration: 1ꜛ6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.39±.04 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$-2.28±.03; $M_{r\theta}$1.18±.03; $M_{\theta\phi}$-0.68±.02; $M_{\phi r}$1.82±.03; Best double couple: NP1:ϕ_s27.00000°,δ66.00000°,λ99.00000°. NP2:ϕ_s185.00000°,δ26.00000°,λ70.00000°. Principal axes: T 3.2660,Plg68.0000°,Azm315.0000°; N -0.0160,Plg9.0000°,Azm203.0000°; P -3.2530,Plg21.0000°,Azm110.0000° M_o3.25900×10^{17}

JMA	**X**	**25 11 03 15.7–.10**	**38.97N**	**142.42E**	**29–2**	**3.6**		
								¶606050995

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**25 11 13 12.8–2.0**	**37.14N–.06**	**141.14E–.08**	**8–11**		**22**	**0-57**
IDC	X	25 11 13 10.9–2.3	37.15N	141.25E	0	3.7,3.4		**¶601999597**
ISCJB	X	25 11 13 14.5–1.1	37.05N–.04	141.09E–.08	21–6	3.4b,3.4		
JMA	X	25 11 13 16.3	37.08N	140.94E	27–1	3.7,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=31.2km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.4km az=21.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s104.00000°,δ50.00000°,λ-65.00000°. NP2:ϕ_s248.00000°,δ46.00000°,λ-117.00000°. Principal axes: T Plg2.0000°,Azm177.0000°; N Plg19.0000°,Azm268.0000°; P Plg71.0000°,Azm81.0000°

JMA	**X**	**26 00 02 02.9–.10**	**36.95N**	**141.06E**	**51–1**	**3.5**		
								¶606051555

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**26 00 33 11.5–.49**	**40.98N–.04**	**142.37E–.04**	**42–3**	**4.5b**	**232**	**1-147**
NIED	X	26 00 33 00	41.00N	142.40E	41	4.2W		**¶601852886**
BJI	X	26 00 33 09.5	40.92N	142.57E	60	5.0b,4.7b		
JMA	X	26 00 33 10.9–.10	40.97N	142.42E	35–4	4.2,4.7b		
ISCJB	X	26 00 33 11.7–.37	41.02N–.03	142.32E–.04	57–2	4.5b,4.0s		
MOS	X	26 00 33 13.2–1.1	41.03N	142.27E	71	4.8b,4.0s		
IDC	X	26 00 33 13.7–1.8	40.95N	142.35E	68–14	4.1,4.0		
NEIC	X	26 00 33 14.4–.46	41.04N	142.28E	67–4	4.7b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ15.00000°,λ64.00000°. NP2:ϕ_s21.00000°,δ77.00000°,λ97.00000°. M_o2.36000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.2km az=37.4.
MOS Error ellipse: s-maj=8.9km s-min=5.6km az=112.5.
IDC Error ellipse: s-maj=16.9km s-min=10.9km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=127.0. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu.

ISC	**X**	**26 06 34 34.2–.61**	**35.52N–.05**	**141.07E–.07**	**33**	**4.1b**	**61**	**0-84**
NIED	X	26 06 34 00	35.50N	141.10E	44	4.2W		**¶601875506**
ISCJB	X	26 06 34 32.5–.36	35.51N–.03	141.15E–.05	33	4.0b		
JMA	X	26 06 34 34.0–.20	35.56N	141.03E	37–1	3.7		
IDC	X	26 06 34 35.4–1.9	35.51N	140.98E	43–17	4.1L,3.9		
NEIC	X	26 06 34 35.8–.55	35.45N	140.94E	46–5	4.4b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ17.00000°,λ72.00000°. NP2:ϕ_s13.00000°,δ74.00000°,λ95.00000°. M_o2.27000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=171.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s69.00000°,δ62.00000°,λ82.00000°. NP2: ϕ_s265.00000°,δ29.00000°,λ104.00000°. Principal axes: T Plg72.0000°,Azm322.0000°; N Plg7.0000°,Azm73.0000°; P Plg17.0000°,Azm165.0000°
IDC Error ellipse: s-maj=21.7km s-min=10.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=77.0.

ISC	**X**	**26 10 36 30.3–.67**	**38.72N–.04**	**142.26E–.04**	**47–5**	**4.7b,4.1s**	**473**	**1-146**
NIED	X	26 10 36 00	38.70N	142.20E	44	4.7W,4.1s		**¶601848742**
BJI	X	26 10 36 27.4	38.61N	142.33E	44	4.9b,4.9b		
MOS	X	26 10 36 29.0–.80	38.92N	142.03E	35	5.0b,4.9b		

JMA X 26 10 36 29.8–.10 38.72N 142.18E 42–1 4.7,4.9b
ISCJB X 26 10 36 29.7–.37 38.73N–.02 142.09E–.03 49–2 4.7b,4.0s
NEIC X 26 10 36 31.9–.47 38.74N 142.03E 54–4 4.6b,4.0s
IDC X 26 10 36 31.3–1.6 38.72N 142.12E 51–14 4.6,4.4
GCMT X 26 10 36 31.9–.50 38.87N–.03 142.27E–.04 51–2 4.8W,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ15.00000°,λ78.00000°. NP2:ϕ_e22.00000°,δ75.00000°,λ93.00000°. $M_0$1.23000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [3 JMA] in Iwate and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s53,c81;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.16 $M_{\theta\theta}$-0.29±.10; $M_{\phi\phi}$-1.38±.10; $M_{r\theta}$0.68±.09; $M_{\theta\phi}$-0.75±.07; $M_{\phi r}$1.00±.08; Best double couple: NP1:ϕ_s31.00000°,δ63.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ28.00000°,λ82.00000°. Principal axes: T 2.0590,Plg72.0000° ,Azm311.0000°; N 0.0830,Plg4.0000°,Azm209.0000°; P -2.1440,Plg18.0000°,Azm118.0000° $M_0$2.10200×10^{16}

ISC X 26 19 33 08.8–.76 37.62N–.04 141.85E–.04 48–6 4.6b 190 1-147
NIED X 26 19 33 00 37.60N 141.80E 53 4.1W **¶601852895**
MOS X 26 19 33 09.4–.98 38.00N 141.63E 47 4.8b
ISCJB X 26 19 33 09.1–.45 37.64N–.03 141.68E–.04 58–3 4.8s,4.5b
JMA X 26 19 33 09.2 37.64N 141.71E 47–1 4.1,4.5b
BJI X 26 19 33 09.6 37.89N 141.68E 61 4.9b,4.5s
NEIC X 26 19 33 12.9–.44 37.61N 141.56E 80–4 4.7b,4.5s
IDC X 26 19 33 13.3–1.9 37.64N 141.61E 81–18 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ42.00000°,λ131.00000°. NP2:ϕ_e184.00000°,δ60.00000°,λ60.00000°. $M_0$1.58000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=6.6km az=90.9.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=31.9.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=131.0. Recorded [1 JMA] in Fukushima, Iwate and Miyagi.
IDC Error ellipse: s-maj=16.6km s-min=11.8km az=119.0.

ISC X 26 20 35 26.0–1.6 37.95N–.04 141.99E–.06 14–10 34 1-58
NIED X 26 20 35 00 38.00N 141.80E 50 3.7W **¶601999768**
IDC X 26 20 35 21.9–2.4 38.15N 142.59E 0 3.8,3.7
JMA X 26 20 35 30.2–.10 38.02N 141.83E 50–1 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ27.00000°,λ57.00000°. NP2:ϕ_e237.00000°,δ68.00000°,λ105.00000°. $M_0$3.91000×10^{14}
IDC Error ellipse: s-maj=45.2km s-min=28.5km az=72.0.
JMA Event type fe.

JMA X 26 22 39 31.5–.10 37.68N 141.86E 31–2 3.8
NIED X 26 22 39 00 37.70N 141.90E 32 3.4W **¶603696262**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ15.00000°,λ-128.00000°. NP2:ϕ_e233.00000°,δ78.00000°,λ-81.00000°. $M_0$1.57000×10^{14}

ISC X 27 01 57 13.5–2.7 38.58N–.07 142.2E–.10 17–12 21 1-41
ISCJB X 27 01 57 13.8–1.6 38.60N–.05 142.2E–.10 28–7 3.3s,3.0b **¶601999783**
JMA X 27 01 57 13.2–.10 38.59N 142.23E 34–1 3.3,3.0b
IDC X 27 01 57 30.0–7.2 38.72N 140.67E 49–44 3.3,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.5km az=15.5.
IDC Error ellipse: s-maj=93.3km s-min=27.7km az=103.0.

ISC X 27 04 12 45.7–1.1 37.01N–.05 141.22E–.07 48–8 4.1b 51 0-150
NIED X 27 04 12 00 37.00N 141.10E 53 4.1W **¶601874216**
ISCJB X 27 04 12 44.5–.65 37.01N–.04 141.24E–.07 53–4 4.0b
JMA X 27 04 12 46.0–.10 37.02N 141.13E 51–1 4.1
NEIC X 27 04 12 46.8–1.0 37.03N 141.10E 56–8 4.1b
IDC X 27 04 12 48.9–2.0 36.92N 141.04E 78–19 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ16.00000°,λ95.00000°. NP2:ϕ_e24.00000°,δ74.00000°,λ89.00000°. $M_0$1.70000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.2km az=22.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.8km az=138.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=60.0.

ISC X 27 16 46 02.9–2.5 36.90N–.06 141.34E–.07 6–15 3.6b 27 0-68
NIED X 27 16 46 00 36.90N 141.40E 5 3.7W **¶601999846**
IDC X 27 16 46 01.8–1.1 36.76N 141.38E 0 3.7,3.6b
JMA X 27 16 46 03.6–.10 36.87N 141.35E 30–1 3.6,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ35.00000°,λ-82.00000°. NP2:ϕ_e199.00000°,δ56.00000°,λ-95.00000°. $M_0$3.55000×10^{14}
IDC Error ellipse: s-maj=24.3km s-min=21.2km az=86.0.

JMA X 28 03 50 49.2–.20 37.28N 141.92E 37–3 3.5
¶606052649
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC X 28 09 44 05.7–.82 36.56N–.04 141.00E–.06 44–7 4.3b 108 0-152
ISCJB X 28 09 44 04.6–.42 36.53N–.03 141.00E–.05 53–3 4.3b **¶601860608**
NEIC X 28 09 44 04.7–.25 36.55N 140.98E 35 4.5b
JMA X 28 09 44 06.0–.10 36.54N 140.88E 50–1 4.3
IDC X 28 09 44 08.4–1.6 36.46N 140.86E 73–15 4.1,4.0
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.2km az=15.5.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=5.6km az=102.0. Recorded [3 JMA] in Ibaraki.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000°,δ50.00000°,λ66.00000°. NP2: ϕ_s35.00000°,δ46.00000°,λ115.00000°. Principal axes: T Plg72.0000°,Azm23.0000° ; N Plg18.0000°,Azm196.0000°; P Plg2.0000°,Azm287.0000°
IDC Error ellipse: s-maj=13.9km s-min=9.0km az=65.0.

ISC X 29 05 47 45.9–3.6 38.49N–.06 142.94E–.09 5–23 3.8b 26 1-62
NIED X 29 05 47 00 38.40N 142.90E 14 3.7W **¶602000214**
IDC X 29 05 47 43.5–2.4 38.55N 143.37E 0 3.8,3.7b
ISCJB X 29 05 47 47.2–1.7 38.41N–.05 142.95E–.08 21–11 3.7b,3.7b
JMA X 29 05 47 47.4–.20 38.44N 142.86E 13–3 3.6,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ42.00000°,λ-120.00000°. NP2:ϕ_e149.00000°,δ55.00000°,λ-66.00000°. $M_0$3.70000×10^{14}
IDC Error ellipse: s-maj=66.9km s-min=27.1km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.7km az=164.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC X 29 12 38 46.7–.76 37.29N–.04 141.97E–.05 25–5 4.3b,3.6s 91 1-146
NIED X 29 12 38 00 37.30N 141.90E 35 4.3W,3.6s **¶606053186**
IDC X 29 12 38 42.9–.62 37.26N 141.95E 0 4.2,4.1b
ISCJB X 29 12 38 46.1–.66 37.27N–.03 142.00E–.05 35–6 4.2b,3.5s
JMA X 29 12 38 46.9–.10 37.28N 141.92E 40–3 4.4,3.5s
NEIC X 29 12 38 48.4–.62 37.29N 141.98E 36–6 4.4b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ62.00000°,λ-21.00000°. NP2:ϕ_e232.00000°,δ71.00000°,λ-150.00000°. $M_0$3.39000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=12.6km az=129.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.4km az=18.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=126.0.

JMA X 30 01 41 12.7–.10 36.75N 141.25E 33–1 3.4
NIED X 30 01 41 00 36.70N 141.30E 5 3.5W **¶603697667**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ42.00000°,λ-64.00000°. NP2:ϕ_e6.00000°,δ53.00000°,λ-111.00000°. $M_0$2.20000×10^{14}

ISC X 30 02 15 54.2–.73 35.58N–.04 140.14E–.05 67–6 4.0b 47 0-118
NIED X 30 02 15 00 35.60N 140.20E 62 4.0W **¶601874270**
ISCJB X 30 02 15 53.1–.38 35.57N–.03 140.14E–.05 72–3 3.9b
JMA X 30 02 15 53.3–.20 35.64N 140.16E 66–2 4.0
IDC X 30 02 15 54.2–1.6 35.54N 140.07E 66–15 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ49.00000°,λ-2.00000°. NP2:ϕ_e218.00000°,δ88.00000°,λ-139.00000°. $M_0$1.22000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.3km az=161.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ76.00000°,λ-163.00000°. NP2: ϕ_s124.00000°,δ73.00000°,λ-15.00000°. Principal axes: T Plg2.0000°,Azm351.0000° ; N Plg68.0000°,Azm256.0000°; P Plg22.0000°,Azm82.0000°
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=75.0.

ISC X 30 05 50 32.8–1.8 36.87N–.04 141.29E–.06 10–10 3.6b 31 0-147
NIED X 30 05 50 00 36.90N 141.40E 8 4.0W **¶602000434**
IDC X 30 05 50 31.1–.89 36.82N 141.18E 0 3.9,3.7
ISCJB X 30 05 50 33.4–1.1 36.86N–.04 141.34E–.07 26–6 3.6b,3.7
JMA X 30 05 50 33.4–.10 36.88N 141.35E 32–1 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ35.00000°,λ-105.00000°. NP2:ϕ_e224.00000°,δ56.00000°,λ-80.00000°. $M_0$1.01000×10^{15}
IDC Error ellipse: s-maj=27.2km s-min=17.7km az=167.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.8km az=15.6.
JMA Event type fe.

ISC X 30 08 46 58.6–1.7 36.88N–.04 141.43E–.07 12–10 3.7b 25 1-61
NIED X 30 08 46 00 36.90N 141.40E 5 3.6W **¶602000459**
IDC X 30 08 46 57.5–1.2 36.77N 141.41E 0 3.9,3.8b
ISCJB X 30 08 46 58.3–1.2 36.86N–.04 141.47E–.08 20–8 3.9b,3.8b
JMA X 30 08 46 59.0–.10 36.86N 141.42E 31–1 3.6,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ41.00000°,λ-98.00000°. NP2:ϕ_e212.00000°,δ49.00000°,λ-83.00000°. $M_0$2.71000×10^{14}
IDC Error ellipse: s-maj=32.8km s-min=25.8km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=10.0.

ISC X 30 10 10 42.5–1.6 36.19N–.04 141.22E–.05 8–10 4.5b 79 1-81
NIED X 30 10 10 00 36.20N 141.40E 5 4.1W **¶601874273**
IDC X 30 10 10 40.7–.81 36.10N 141.14E 0 4.3,4.0
JMA X 30 10 10 42.4–.10 36.13N 141.26E 41–2 3.8,4.0
NEIC X 30 10 10 46.3–.24 36.12N 141.11E 35 4.5b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ44.00000°,λ-119.00000°. NP2:ϕ_e64.00000°,δ53.00000°,λ-65.00000°. $M_0$1.81000×10^{15}
IDC Error ellipse: s-maj=24.9km s-min=18.3km az=116.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.6km az=142.0. Recorded [1 JMA] in Ibaraki.

ISC X 30 10 13 37.0–1.8 36.15N–.04 141.17E–.06 4–11 4.2b 38 1-56
NIED X 30 10 13 00 36.20N 141.30E 5 3.7W **¶602000464**
IDC X 30 10 13 36.0–1.3 36.09N 141.24E 0 4.0,3.9b
ISCJB X 30 10 13 36.7–.91 36.15N–.03 141.37E–.05 18–6 4.2b,3.9b
JMA X 30 10 13 38.0–.10 36.16N 141.26E 38–2 4.0,3.9b
NEIC X 30 10 13 41.2–.36 36.11N 141.10E 35 4.2b,3.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ37.00000°,λ-110.00000°. NP2:ϕ_e49.00000°,δ55.00000°,λ-75.00000°. $M_0$3.35000×10^{14}
IDC Error ellipse: s-maj=27.3km s-min=25.6km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.6km az=21.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.5km az=142.0. Recorded [2 JMA] in Ibaraki.

ISC X 30 14 00 02.6–2.1 36.83N–.04 141.39E–.09 2–11 22 1-57
ISCJB X 30 14 00 02.5–1.6 36.81N–.04 141.42E–.08 9–7 3.3b **¶602000486**
IDC X 30 14 00 02.8–2.0 36.76N 141.37E 0 3.5,3.4b
JMA X 30 14 00 04.8 36.83N 141.30E 27–1 3.0,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.3km az=6.4.
IDC Error ellipse: s-maj=39.0km s-min=21.7km az=10.0.

ISC X 31 04 28 01.6–1.1 38.91N–.05 141.95E–.08 51–8 3.9b 38 0-145
ISCJB X 31 04 28 00.4–.71 38.91N–.04 141.95E–.08 57–5 3.9b,3.1s **¶602000574**
NIED X 31 04 28 00 38.90N 141.90E 53 4.0W,3.1s
JMA X 31 04 28 01.5–.10 38.92N 141.93E 51–1 3.9,3.1s
IDC X 31 04 28 02.9–2.3 38.90N 141.84E 63–19 3.9,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.7km az=19.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ24.00000°,λ86.00000°. NP2:ϕ_s15.00000°,δ66.00000°,λ92.00000°. $M_0$1.10000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=13.5km az=102.0.

JMA XI 01 06 02 52.5–.10 38.73N 142.42E 40–2 3.5
¶606054550

ISC XI 01 07 53 10.8–1.2 35.67N–.05 141.02E–.07 15–6 3.6b 27 0-91
NIED XI 01 07 53 00 35.70N 140.90E 14 3.9W **¶602388669**
IDC XI 01 07 53 08.5–.73 35.69N 141.07E 0 3.8,3.7
ISCJB XI 01 07 53 10.4–.82 35.69N–.04 141.05E–.08 23–5 3.7b,3.7
JMA XI 01 07 53 12.2–.20 35.70N 140.95E 14–1 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ36.00000°,λ-69.00000°. NP2:ϕ_s165.00000°,δ57.00000°,λ-104.00000°. $M_0$9.08000×10^{14}
IDC Error ellipse: s-maj=18.5km s-min=17.3km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.9km az=172.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC XI 01 17 56 15.4–2.0 39.09N–.04 142.39E–.07 17–11 3.6b 28 1-63
NIED XI 01 17 56 00 39.10N 142.40E 32 3.7W **¶602388685**
ISCJB XI 01 17 56 14.4–1.3 39.07N–.04 142.49E–.09 22–8 3.6b
JMA XI 01 17 56 15.7–.10 39.10N 142.43E 30–1 3.7
IDC XI 01 17 56 19.8–3.1 39.02N 142.49E 61–30 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ43.00000°,λ-119.00000°. NP2:ϕ_s179.00000°,δ54.00000°,λ-66.00000°. $M_0$4.14000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.8km az=14.1.
IDC Error ellipse: s-maj=32.3km s-min=17.0km az=103.0.

ISC XI 02 22 34 18.0–.46 37.63N–.03 141.72E–.03 28–2 4.9b,4.3s 604 1-149
NIED XI 02 22 34 00 37.60N 141.80E 32 4.9W,4.3s **¶601869336**
IDC XI 02 22 34 14.3–.45 37.65N 141.65E 0 4.8,4.7
JMA XI 02 22 34 16.8–.10 37.62N 141.75E 29–2 5.0,4.7
BJI XI 02 22 34 16.5 37.64N 141.85E 42 5.0b,4.9b
ISCJB XI 02 22 34 19.0–.33 37.69N–.02 141.59E–.03 38–2 4.8b,4.2s
GCMT XI 02 22 34 20.5–.30 37.67N–.02 141.66E–.02 25–1 4.9W,4.2s
MOS XI 02 22 34 20.8–.87 37.92N 141.46E 44 5.2b,4.1s
NEIC XI 02 22 34 21.5–.38 37.68N 141.54E 46–3 4.8b,4.1s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ67.00000°,λ1.00000°. NP2:ϕ_s19.00000°,δ89.00000°,λ157.00000°. $M_0$2.34000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=9.9km az=104.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=29.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s83,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.88±.14 $M_{\theta\theta}$1.16±.09; $M_{\phi\phi}$-2.05±.10; $M_{r\theta}$0.74±.20; $M_{\theta\phi}$1.81±.08; $M_{\phi r}$1.55±.20; Best double couple: NP1:ϕ_s15.00000°,δ78.00000°,λ141.00000°. NP2:ϕ_s115.00000°,δ52.00000°,λ15.00000°. Principal axes: T 2.9140,Plg35.0000° ,Azm328.0000°; N 0.2720,Plg50.0000°,Azm181.0000°; P -3.1940,Plg16.0000°,Azm70.0000° $M_0$3.05400×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=4.4km az=113.5.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=132.0. Felt at Sendai. Recorded [4 JMA] in Fukushima.

ISC XI 03 02 01 22.2–.95 35.53N–.04 140.11E–.05 70–7 3.7b 31 0-59
NIED XI 03 02 01 00 35.60N 140.20E 68 3.6W **¶602388750**
ISCJB XI 03 02 01 21.2–.54 35.53N–.04 140.11E–.05 76–4 3.5b
JMA XI 03 02 01 21.4–.20 35.59N 140.11E 69–2 3.3
IDC XI 03 02 01 26.4–1.9 35.28N 139.27E 82–13 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ2.00000°,λ-3.00000°. NP2: ϕ_s183.00000°,δ90.00000°,λ-92.00000°. $M_0$3.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=161.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=61.9km s-min=10.4km az=69.0.

JMA XI 04 09 03 08.5–.10 38.45N 142.13E 32–1 3.5

¶606055939

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XI**	**04 20 38 08.1–1.2**	**35.58N–.05**	**140.71E–.05**	**33–3**			**20**	**0-56**
IDC	XI	04 20 37 59.9–2.7	35.92N	141.28E	0	3.6,3.6			**¶602388827**
ISCJB	XI	04 20 38 06.4–.94	35.68N–.07	140.9E–.10	48–5	3.3b,3.6			
JMA	XI	04 20 38 07.1–.10	35.67N	140.74E	46–1	2.8,3.6			

ISC Event type ke.

IDC Error ellipse: s-maj=64.7km s-min=24.1km az=52.0.

ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.0km az=145.2.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XI**	**04 20 49 52.0–.59**	**36.31N–.03**	**141.01E–.04**	**27–3**	**4.5b,3.8s**		**183**	**0-118**
NIED	XI	04 20 49 00	36.30N	141.00E	26	4.4W,3.8s			**¶606056245**
BJI	XI	04 20 49 51.2	36.00N	140.64E	29	4.8b,4.8b			
ISCJB	XI	04 20 49 51.3–.56	36.33N–.03	141.01E–.04	33–3	4.5b,3.7s			
JMA	XI	04 20 49 51.9–.10	36.33N	140.95E	38–1	4.3,3.7s			
MOS	XI	04 20 49 52.9–1.3	36.41N	140.90E	41	4.9b,3.7s			
NEIC	XI	04 20 49 53.3–.35	36.27N	140.85E	35	4.6b,3.7s			
IDC	XI	04 20 49 54.8–1.8	36.30N	140.77E	43–17	4.3,4.2			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s293.00000°,δ12.00000°,λ-173.00000°. NP2:ϕ_s196.00000°,δ88.00000°,λ-78.00000°. $M_0$4.15000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.3km az=12.4.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s192.00000°,δ49.00000°,λ-79.00000°. NP2: ϕ_s355.00000°,δ43.00000°,λ-103.00000°. Principal axes: T Plg3.0000°,Azm274.0000° ; N Plg8.0000°,Azm4.0000°; P Plg81.0000°,Azm164.0000°

MOS Error ellipse: s-maj=8.9km s-min=5.3km az=115.8.

NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=7.4km az=100.0. Recorded [3 JMA] in Ibaraki.

IDC Error ellipse: s-maj=14.8km s-min=10.1km az=87.0.

ISC	**XI**	**04 21 38 05.0–1.0**	**35.56N–.05**	**140.03E–.05**	**72–8**			**26**	**0-55**
ISCJB	XI	04 21 38 04.2–.66	35.55N–.04	140.04E–.06	77–5	3.5b			**¶606056272**
JMA	XI	04 21 38 04.9–.20	35.62N	140.01E	69–2	2.9			
IDC	XI	04 21 38 07.9–3.5	35.17N	139.51E	78–32	3.5,3.4			

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.6km az=139.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=72.4km s-min=28.7km az=61.0.

ISC	**XI**	**05 01 30 14.9–2.0**	**37.29N–.05**	**141.91E–.07**	**5–11**	**3.4b**		**27**	**1-57**
IDC	XI	05 01 30 14.2–1.5	37.00N	142.29E	0	3.8,3.5			**¶602388832**
JMA	XI	05 01 30 17.9–.10	37.26N	141.83E	41–3	3.6,3.5			

ISC Event type ke.

IDC Error ellipse: s-maj=33.6km s-min=28.2km az=154.0.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XI**	**05 21 58 59.7–1.6**	**36.59N–.04**	**141.37E–.07**	**27–11**	**4.0b**		**45**	**1-60**
ISCJB	XI	05 21 59 00.6–.79	36.60N–.03	141.30E–.07	46–5	3.8b,2.8s			**¶602388888**
NIED	XI	05 21 59 00	36.70N	141.20E	50	4.0W,2.8s			
JMA	XI	05 21 59 02.7–.10	36.64N	141.13E	48–1	4.1,2.8s			
IDC	XI	05 21 59 04.9–2.5	36.50N	141.14E	71–22	4.0,3.9			

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.3km az=10.3.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ56.00000°,λ-170.00000°. NP2:ϕ_s321.00000°,δ82.00000°,λ-35.00000°. $M_0$1.14000×10^{15}

JMA Event type fe.

IDC Error ellipse: s-maj=23.5km s-min=10.9km az=67.0.

ISC	**XI**	**06 15 01 42.9–1.2**	**35.76N–.03**	**141.05E–.05**	**10–7**	**3.9b**		**72**	**0-148**
NIED	XI	06 15 01 00	35.80N	141.10E	11	4.2W			**¶601877573**
IDC	XI	06 15 01 41.8–.68	35.71N	140.98E	0	4.0,3.9			
ISCJB	XI	06 15 01 42.4–.65	35.75N–.03	141.10E–.05	18–4	4.0b,3.4s			
JMA	XI	06 15 01 43.6–.20	35.76N	140.99E	13–1	4.3,3.4s			
NEIC	XI	06 15 01 44.8–2.6	35.71N	140.95E	20–19	4.7b,3.4s			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ37.00000°,λ-111.00000°. NP2:ϕ_s16.00000°,δ56.00000°,λ-75.00000°. $M_0$2.19000×10^{15}

IDC Error ellipse: s-maj=19.6km s-min=14.9km az=105.0.

ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.5km az=175.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=8.2km az=118.0. Recorded [3 JMA] in Chiba.

ISC	**XI**	**06 15 03 47.0–1.2**	**35.77N–.03**	**140.96E–.08**	**16–6**	**3.7b**		**23**	**0-59**
IDC	XI	06 15 03 45.1–1.3	35.64N	140.97E	0	3.7,3.6b			**¶602388916**
ISCJB	XI	06 15 03 46.6–.88	35.75N–.04	140.99E–.09	24–4	3.6b,3.6b			
JMA	XI	06 15 03 47.1–.20	35.77N	140.98E	13–1	4.1,3.6b			

ISC Event type ke.

IDC Error ellipse: s-maj=33.7km s-min=22.3km az=91.0.

ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=5.8km az=169.2.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XI**	**07 00 54 47.9–2.0**	**36.95N–.04**	**141.33E–.05**	**9–12**	**4.2b**		**90**	**0-152**
NIED	XI	07 00 54 00	36.90N	141.40E	11	4.2W			**¶601991500**
ISCJB	XI	07 00 54 48.8–.80	36.93N–.03	141.41E–.05	26–5	4.1b			
JMA	XI	07 00 54 49.1–.10	36.93N	141.38E	40–1	4.3			
IDC	XI	07 00 54 51.8–4.4	36.92N	141.32E	33–33	4.0,4.0			
NEIC	XI	07 00 54 51.8–.69	36.90N	141.31E	35–6	4.4b,4.0			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ42.00000°,λ-112.00000°. NP2:ϕ_s20.00000°,δ52.00000°,λ-71.00000°. $M_0$1.89000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=21.6.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=17.4km s-min=13.2km az=103.0.

NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.6km az=141.0. Recorded [2 JMA] in Fukushima.

ISC	**XI**	**07 07 41 01.6–2.3**	**36.74N–.06**	**141.51E–.09**	**9–12**			**24**	**1-44**
IDC	XI	07 07 41 01.8–8.8	36.64N	141.43E	0	3.6,3.6			**¶602388951**
JMA	XI	07 07 41 02.0–.20	36.71N	141.50E	51–3	3.6,3.6			

ISC Event type ke.

IDC Error ellipse: s-maj=143.5km s-min=65.4km az=131.0.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**XI**	**07 19 47 19.8**	**38.53N**	**142.32E**	**38–1**	**3.5**			
									¶606057550
ISC	**XI**	**07 20 15 13.3–1.1**	**38.87N–.05**	**141.71E–.08**	**62–6**	**3.7b**		**30**	**0-59**
ISCJB	XI	07 20 15 12.2–.72	38.87N–.04	141.71E–.08	66–4	3.7b			**¶602388985**
JMA	XI	07 20 15 13.5	38.86N	141.64E	61–1	3.4			
IDC	XI	07 20 15 13.3–3.1	38.89N	141.87E	69–24	3.7,3.5			

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.7km az=18.2.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s17.00000°,δ71.00000°,λ77.00000°. NP2:ϕ_s233.00000°,δ23.00000°,λ124.00000°. Principal axes: T Plg62.0000°,Azm266.0000°; N Plg13.0000°,Azm21.0000°; P Plg25.0000° ,Azm117.0000°

IDC Error ellipse: s-maj=39.5km s-min=22.4km az=86.0.

ISC	**XI**	**07 21 52 58.0–1.8**	**36.18N–.04**	**141.60E–.08**	**9–13**	**3.4b**		**25**	**1-56**
JMA	XI	07 21 53 02.0–.10	36.18N	141.45E	53–3	3.0			**¶602388994**
IDC	XI	07 21 53 08.7–7.2	35.93N	140.81E	68–47	3.4,3.3			

ISC Event type ke.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

IDC Error ellipse: s-maj=94.7km s-min=15.8km az=74.0.

ISC	**XI**	**07 22 30 16.5–2.0**	**40.15N–.05**	**142.95E–.07**	**6–11**	**3.6b**		**25**	**1-60**
ISCJB	XI	07 22 30 17.5–1.5	40.15N–.05	143.00E–.10	15–8	3.5b			**¶602388996**
JMA	XI	07 22 30 19.3–.20	40.10N	142.85E	20–2	3.7			
IDC	XI	07 22 30 25.5–2.6	39.92N	142.77E	79–23	3.6,3.4			

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=8.7km az=169.3.

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

IDC Error ellipse: s-maj=37.7km s-min=17.2km az=95.0.

ISC	**XI**	**07 22 36 28.8–1.9**	**37.58N–.05**	**141.83E–.06**	**6–11**	**3.7b**		**41**	**1-146**
IDC	XI	07 22 36 28.3–.78	37.58N	141.97E	0	3.9,3.8			**¶606057598**
ISCJB	XI	07 22 36 29.1–.93	37.62N–.03	141.93E–.05	16–6	3.7s,3.6b			
JMA	XI	07 22 36 30.5–.10	37.63N	141.85E	27–2	4.2,3.6b			

ISC Event type ke.

IDC Error ellipse: s-maj=21.7km s-min=17.4km az=126.0.

ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=24.9.

JMA Event type fe.

ISC	**XI**	**07 23 54 30.2–.87**	**37.00N–.03**	**140.75E–.04**	**12–5**	**4.0b**		**76**	**0-147**
IDC	XI	07 23 54 28.4–.55	36.99N	140.74E	0	4.2,4.1			**¶602051312**
ISCJB	XI	07 23 54 29.3–.49	37.00N–.02	140.83E–.04	18–3	4.0b,4.1			
JMA	XI	07 23 54 30.4	37.01N	140.70E	11–1	4.2,4.1			
NEIC	XI	07 23 54 31.8–1.6	36.98N	140.80E	24–11	4.3b,4.1			

ISC Event type se.

IDC Error ellipse: s-maj=15.5km s-min=12.3km az=108.0.

ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=25.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s170.00000°,δ48.00000°,λ-92.00000°. NP2:ϕ_s353.00000°,δ42.00000°,λ-88.00000°. Principal axes: T Plg3.0000°,Azm261.0000°; N Plg1.0000°,Azm171.0000°; P Plg87.0000° ,Azm51.0000°

NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.1km az=117.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.

ISC	**XI**	**08 05 58 54.0–.93**	**39.87N–.04**	**142.11E–.08**	**48–7**	**4.0b,3.6s**		**37**	**0-72**
NIED	XI	08 05 58 00	39.90N	142.20E	44	4.2W,3.6s			**¶602389020**
ISCJB	XI	08 05 58 52.8–.70	39.89N–.03	142.19E–.09	54–4	4.0b,3.4s			
JMA	XI	08 05 58 53.7–.10	39.88N	142.16E	47–1	3.9,3.4s			
IDC	XI	08 05 58 55.8–2.0	39.90N	142.18E	70–17	4.0,3.9			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ14.00000°,λ87.00000°. NP2:ϕ_s18.00000°,δ76.00000°,λ91.00000°. $M_0$2.12000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.4km az=9.2.

JMA Event type fe.

IDC Error ellipse: s-maj=22.1km s-min=12.3km az=103.0.

ISC	**XI**	**08 11 07 24.7–1.7**	**38.61N–.05**	**142.0E–.10**	**43–11**	**3.8b**		**26**	**0-62**
NIED	XI	08 11 07 00	38.60N	141.90E	32	3.8W			**¶602389030**
ISCJB	XI	08 11 07 24.1–1.1	38.61N–.04	141.9E–.10	52–6	3.7b			
JMA	XI	08 11 07 24.9	38.62N	141.91E	48–1	3.6			
IDC	XI	08 11 07 28.8–1.5	39.30N	140.53E	0	3.7,3.7			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ38.00000°,λ-117.00000°. NP2:ϕ_s360.00000°,δ57.00000°,λ-71.00000°. $M_0$5.88000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=6.4km az=13.8.

JMA Event type fe.

IDC Error ellipse: s-maj=44.0km s-min=20.6km az=78.0.

ISC	**XI**	**09 03 51 56.3–.38**	**36.90N–.03**	**141.29E–.03**	**28–2**	**5.2b,4.8s**		**775**	**0-154**
NIED	XI	09 03 51 00	36.90N	141.40E	5	5.2W,4.8s			**¶601883703**
IDC	XI	09 03 51 52.1–.45	36.89N	141.25E	0	4.9,4.9			
JMA	XI	09 03 51 53.4–.10	36.88N	141.38E	33–1	5.5,4.9			
ISCJB	XI	09 03 51 54.4–.40	36.86N–.02	141.28E–.02	22–2	5.2b,4.7s			
GCMT	XI	09 03 51 55.9–.20	36.93N–.01	141.27E–.01	12	5.2W,4.7s			
BJI	XI	09 03 51 55.1	36.82N	141.32E	35	5.1b,5.1s			
MOS	XI	09 03 51 56.3–1.1	36.93N	141.27E	35	5.4b,4.7s			
NEIC	XI	09 03 51 57.9–.36	36.84N	141.25E	37–3	5.2b,4.7s			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ29.00000°,λ-77.00000°. NP2:ϕ_s196.00000°,δ62.00000°,λ-97.00000°. $M_0$6.53000×10^{16}

IDC Error ellipse: s-maj=13.7km s-min=11.4km az=106.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s342.00000°,δ82.00000°,λ121.00000°. NP2:ϕ_s85.00000°,δ32.00000°,λ15.00000°. Principal axes: T Plg44.0000°,Azm283.0000°; N Plg31.0000°,Azm157.0000°; P Plg30.0000° ,Azm47.0000°

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=150.8.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c84; s113,c192;Duration: 1ś0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.39±.10 $M_{\theta\theta}$1.28±.11; $M_{\phi\phi}$5.11±.09; $M_{r\theta}$0.82±.34; $M_{\theta\phi}$2.72±.09; $M_{\phi r}$3.82±.30; Best double couple: NP1:ϕ_s200.00000°,δ61.00000°,λ-98.00000°. NP2:ϕ_s35.00000°,δ30.00000°,λ-76.00000°. Principal axes: T 7.5510,Plg15.0000° ,Azm295.0000°; N -0.0080,Plg7.0000°,Azm203.0000°; P -7.5430,Plg73.0000°,Azm90.0000° $M_0$7.54700×10^{16}

MOS Error ellipse: s-maj=5.8km s-min=3.9km az=102.3.

NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=137.0. Felt [V] at Hitachi and [III] at Chiba and Tsuchiura. Felt in much of eastern Honshu. Recorded [4 JMA] in Ibaraki.

JMA	**XI**	**09 03 55 00.1–.10**	**36.88N**	**141.35E**	**33–1**	**3.9**			
									¶606058062

JMA Event type fe.

JMA	**XI**	**09 03 58 26.4–.10**	**36.87N**	**141.35E**	**30–1**	**3.5**			
									¶606058063
ISC	**XI**	**09 04 03 54.9–2.0**	**36.85N–.04**	**141.32E–.08**	**12–11**	**3.6b**		**22**	**0-57**
JMA	XI	09 04 03 54.6–.10	36.85N	141.37E	28–1	3.6			**¶606058064**
IDC	XI	09 04 04 00.3–5.3	36.81N	141.23E	52–50	3.5,3.4			

ISC Event type ke.

IDC Error ellipse: s-maj=48.0km s-min=29.2km az=99.0.

ISC	**XI**	**09 04 06 05.8–1.7**	**36.86N–.04**	**141.35E–.06**	**11–9**	**4.1b**		**67**	**0-147**
NIED	XI	09 04 06 00	36.90N	141.40E	5	4.0W			**¶606058066**
JMA	XI	09 04 06 05.8–.10	36.87N	141.35E	35–1	4.2			
NEIC	XI	09 04 06 10.3–.54	36.83N	141.15E	44–5	4.2b			
IDC	XI	09 04 06 11.1–3.2	36.82N	141.13E	50–28	4.1,4.0			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ47.00000°,λ-125.00000°. NP2:ϕ_s41.00000°,δ53.00000°,λ-58.00000°. $M_0$1.19000×10^{15}

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.6km az=97.0. Recorded [2 JMA] in Fukushima.

IDC Error ellipse: s-maj=20.2km s-min=16.4km az=75.0.

ISC	**XI**	**09 04 49 40.9–1.8**	**36.87N–.04**	**141.29E–.07**	**4–10**	**3.9b**		**35**	**0-90**
NIED	XI	09 04 49 00	36.90N	141.40E	5	3.8W			**¶601991582**
ISCJB	XI	09 04 49 40.7–1.2	36.86N–.04	141.43E–.07	16–7	3.8b,3.4s			
IDC	XI	09 04 49 40.2–.90	36.83N	141.29E	0	4.1,3.9b			
JMA	XI	09 04 49 41.9–.10	36.88N	141.36E	31–1	4.1,3.9b			
NEIC	XI	09 04 49 46.1–1.8	36.83N	141.21E	40–15	4.1b,3.9b			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ26.00000°,λ-90.00000°. NP2:ϕ_s206.00000°,δ64.00000°,λ-90.00000°. $M_0$5.37000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.7km az=12.5.

IDC Error ellipse: s-maj=24.8km s-min=20.4km az=79.0.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=16.0km s-min=11.8km az=81.0. Recorded [1 JMA] in Fukushima and Ibaraki.

ISC	**XI**	**09 05 43 44.2–1.8**	**36.82N–.05**	**141.31E–.07**	**11–11**			**25**	**1-59**
ISCJB	XI	09 05 43 43.7–1.2	36.86N–.04	141.45E–.07	15–9	3.6s,3.5b			**¶602389079**
IDC	XI	09 05 43 43.7–1.6	36.74N	141.37E	0	3.7,3.5			
JMA	XI	09 05 43 45.3–.10	36.88N	141.35E	31–1	3.7,3.5			

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=12.1.

IDC Error ellipse: s-maj=45.4km s-min=31.4km az=132.0.

JMA	**XI**	**09 06 04 17.4–.10**	**36.87N**	**141.35E**	**32–1**	**3.6**			
									¶603702269
JMA	**XI**	**09 06 05 45.8–.10**	**36.89N**	**141.36E**	**32–1**	**3.6**			
NIED	XI	09 06 05 00	36.90N	141.40E	5	3.6W			**¶606058114**

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ28.00000°,λ-92.00000°. NP2:ϕ_s213.00000°,δ62.00000°,λ-89.00000°. $M_0$2.45000×10^{14}

ISC	**XI**	**09 13 22 26.1–.58**	**37.29N–.04**	**141.48E–.06**	**43–5**	**3.9b**		**50**	**0-147**
NIED	XI	09 13 22 00	37.30N	141.40E	53	4.0W			**¶602389094**
ISCJB	XI	09 13 22 23.9–.79	37.27N–.03	141.53E–.06	39–8	3.7b,3.1s			
JMA	XI	09 13 22 26.0–.10	37.34N	141.35E	49–1	4.1,3.1s			
IDC	XI	09 13 22 26.4–.55	37.24N	141.51E	46–5	3.9,3.8			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ38.00000°,λ-24.00000°. NP2:ϕ_s241.00000°,δ76.00000°,λ-126.00000°. $M_0$1.00000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.1km az=15.1.

JMA Event type fe.

IDC Error ellipse: s-maj=13.7km s-min=8.9km az=152.0.

ISC	**XI**	**09 21 30 22.8–1.7**	**39.16N–.04**	**142.31E–.09**	**29–10**	**3.7b**		**31**	**1-63**
NIED	XI	09 21 30 00	39.20N	142.40E	59	3.7W			**¶602389111**
ISCJB	XI	09 21 30 22.7–1.1	39.19N–.04	142.3E–.10	44–9	3.7b			
JMA	XI	09 21 30 22.3–.10	39.22N	142.38E	33–1	4.0			
IDC	XI	09 21 30 26.2–2.5	39.15N	142.39E	66–23	3.7,3.6			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ-113.00000°. $M_0$4.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=5.5km az=14.5.
JMA Event type fe.
IDC Error ellipse: s-maj=26.2km s-min=15.0km az=101.0.
ISC XI 09 22 35 13.7–.42 38.84N–.03 141.63E–.04 75–3 4.7b 434 0-146
NIED XI 09 22 35 00 38.90N 141.60E 74 4.4W **¶606817008**
BJI XI 09 22 35 12.4 38.72N 141.67E 98 4.9b,4.8b
ISCJB XI 09 22 35 13.7–.20 38.89N–.02 141.49E–.03 83–1 4.5b,4.8b
MOS XI 09 22 35 13.1–1.0 38.99N 141.49E 78 4.8b,4.8b
JMA XI 09 22 35 14.2 38.87N 141.57E 76–1 4.3,4.8b
NEIC XI 09 22 35 15.9–.46 38.86N 141.45E 89–4 4.6b,4.8b
IDC XI 09 22 35 16.3–2.1 38.84N 141.45E 98–19 4.5,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ35.00000°,λ92.00000°. NP2:ϕ_s189.00000°,δ55.00000°,λ88.00000°. $M_0$4.66000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=143.7.
MOS Error ellipse: s-maj=7.0km s-min=5.6km az=92.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s165.00000°,δ52.00000°,λ81.00000°. NP2:ϕ_s0.00000°,δ39.00000°,λ102.00000°. Principal axes: T Plg80.0000°,Azm34.0000°; N Plg7.0000°,Azm171.0000°; P Plg7.0000°,Azm262.0000°
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=137.0. Recorded [3 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=14.1km s-min=11.0km az=112.0.
ISC XI 10 01 46 15.9–2.3 36.86N–.05 141.39E–.08 8–13 3.4b 24 1-57
ISCJB XI 10 01 46 16.2–1.7 36.88N–.04 141.45E–.07 15–13 3.4b **¶602389125**
IDC XI 10 01 46 16.1–1.6 36.67N 141.55E 0 3.7,3.4
JMA XI 10 01 46 17.4–.10 36.90N 141.36E 32–1 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.0km az=8.9.
IDC Error ellipse: s-maj=35.9km s-min=28.5km az=161.0.
ISC XI 10 02 22 09.4–.91 34.56N–.04 140.33E–.05 54–8 3.8b 32 0-92
ISCJB XI 10 02 22 08.5–.49 34.55N–.03 140.32E–.05 62–5 3.7b **¶602389127**
JMA XI 10 02 22 08.7–.20 34.57N 140.34E 60–2 3.3
IDC XI 10 02 22 10.1–2.0 34.50N 140.22E 62–22 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.8km az=8.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=37.5km s-min=6.5km az=78.0.
ISC XI 10 02 47 42.7–1.1 34.56N–.04 140.32E–.05 53–10 29 0-58
NIED XI 10 02 47 00 34.60N 140.40E 62 3.7W **¶602389130**
ISCJB XI 10 02 47 41.9–.65 34.56N–.03 140.32E–.05 62–6 3.6b
JMA XI 10 02 47 41.9–.20 34.57N 140.34E 59–2 3.4
IDC XI 10 02 47 41.4–1.3 33.96N 138.60E 0 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ22.00000°,λ170.00000°. NP2:ϕ_s324.00000°,δ86.00000°,λ69.00000°. $M_0$3.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=171.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=41.1km s-min=17.9km az=48.0.
ISC XI 10 08 13 55.2–1.3 40.97N–.04 142.90E–.06 28–10 3.6b 35 1-72
NIED XI 10 08 13 00 41.00N 142.80E 32 3.6W **¶602389141**
JMA XI 10 08 13 54.8–.20 40.98N 142.85E 9–4 3.5
IDC XI 10 08 13 57.0–3.0 40.98N 143.17E 56–23 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ19.00000°,λ62.00000°. NP2:ϕ_s21.00000°,δ73.00000°,λ100.00000°. $M_0$3.23000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=54.9km s-min=16.3km az=93.0.
ISC XI 10 12 35 48.3–1.2 36.84N–.03 141.34E–.04 11–7 4.4b,3.6s 142 1-147
NIED XI 10 12 35 00 36.90N 141.40E 5 4.2W,3.6s **¶601991656**
IDC XI 10 12 35 46.5–.61 36.90N 141.29E 0 4.2,4.1
ISCJB XI 10 12 35 47.1–1.1 36.83N–.03 141.40E–.03 15–7 4.3b,3.6s
JMA XI 10 12 35 47.8–.10 36.89N 141.38E 32–1 4.4,3.6s
MOS XI 10 12 35 50.2–1.1 36.82N 141.29E 40 4.5b,3.6s
BJI XI 10 12 35 50.1 36.52N 141.36E 43 4.8b,4.5b
NEIC XI 10 12 35 52.1–.63 36.73N 141.27E 44–6 4.6b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ29.00000°,λ-90.00000°. NP2:ϕ_s208.00000°,δ61.00000°,λ-90.00000°. $M_0$2.39000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=13.4km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=154.0.
JMA Event type fe.
MOS Error ellipse: s-maj=9.3km s-min=6.7km az=110.7.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.8km az=125.0. Recorded [2 JMA] in Fukushima and Ibaraki.
ISC XI 10 13 10 33.1–2.1 36.90N–.04 141.31E–.06 3–13 3.6b 30 0-90
NIED XI 10 13 10 00 36.90N 141.40E 8 3.7W **¶602389151**
IDC XI 10 13 10 32.9–.85 36.87N 141.41E 0 3.8,3.6
JMA XI 10 13 10 34.9–.10 36.89N 141.36E 33–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ42.00000°,λ-88.00000°. NP2:ϕ_s203.00000°,δ48.00000°,λ-92.00000°. $M_0$3.41000×10^{14}
IDC Error ellipse: s-maj=22.9km s-min=19.1km az=144.0.
JMA XI 11 04 59 30.6–.20 35.74N 140.86E 12–1 3.7
¶606058931
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 11 05 15 53.0–.42 37.57N–.04 141.72E–.04 77–3 4.6b 249 1-146
NIED XI 11 05 15 00 37.60N 141.60E 77 4.3W **¶601883929**
BJI XI 11 05 15 45.8 37.57N 141.84E 36 5.0b,4.7b
ISCJB XI 11 05 15 52.7–.33 37.61N–.03 141.60E–.04 82–2 4.5b,4.7b
MOS XI 11 05 15 52.6–.93 37.82N 141.59E 74 4.9b,4.7b
NEIC XI 11 05 15 53.5–.51 37.65N 141.55E 76–4 4.7b,4.7b
JMA XI 11 05 15 53.0–.10 37.58N 141.64E 77–1 4.5,4.7b
IDC XI 11 05 15 53.8–.40 37.57N 141.53E 86–3 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ42.00000°,λ-55.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-117.00000°. $M_0$3.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=37.5.
MOS Error ellipse: s-maj=8.2km s-min=5.2km az=87.7.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=129.0. Recorded [3 JMA] in Fukushima and Miyagi.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s198.00000°,δ61.00000°,λ-114.00000°. NP2:ϕ_s61.00000°,δ37.00000°,λ-53.00000°. Principal axes: T Plg13.0000°,Azm305.0000°; N Plg21.0000°,Azm210.0000°; P Plg65.0000°,Azm64.0000°
IDC Error ellipse: s-maj=11.5km s-min=8.3km az=110.0.
ISC XI 11 06 03 12.2–1.4 38.64N–.05 142.0E–.10 47–10 3.5b 33 0-62
IDC XI 11 06 03 05.4–1.1 38.66N 142.24E 0 3.6,3.6 **¶602389202**
ISCJB XI 11 06 03 11.7–.83 38.63N–.04 141.99E–.10 56–5 3.6b,3.6
JMA XI 11 06 03 13.6 38.64N 141.90E 48–1 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=19.1km az=83.0.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.8km az=15.7.
JMA Event type fe.
ISC XI 11 08 52 11.8–1.8 37.11N–.05 141.40E–.07 10–10 3.6b 29 0-147
NIED XI 11 08 52 00 37.10N 141.40E 8 3.7W **¶602389209**
ISCJB XI 11 08 52 10.3–1.2 37.08N–.05 141.50E–.05 10–6 3.6b
IDC XI 11 08 52 10.7–.98 37.05N 141.32E 0 3.8,3.7
JMA XI 11 08 52 12.5–.10 37.08N 141.38E 31–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ31.00000°,λ-96.00000°. NP2:ϕ_s207.00000°,δ60.00000°,λ-87.00000°. $M_0$3.53000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.4km az=149.0.
IDC Error ellipse: s-maj=25.3km s-min=20.7km az=154.0.
JMA Event type fe.
JMA XI 11 13 30 19.8–.10 37.19N 141.44E 31–1 3.5
¶606059059
JMA XI 12 00 24 50.9–.10 37.74N 141.88E 24–2 3.5
¶606059194
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 12 00 32 34.3–1.1 39.65N–.04 142.22E–.08 46–8 3.9b 42 0-81
ISCJB XI 12 00 32 33.3–.65 39.65N–.03 142.20E–.08 54–4 3.8b **¶601991744**
JMA XI 12 00 32 34.8 39.63N 142.11E 48–1 3.9
IDC XI 12 00 32 35.4–2.3 39.64N 142.23E 61–19 3.8,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.3km az=11.0.
JMA Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=12.8km az=111.0.
ISC XI 12 03 47 37.5–2.3 36.86N–.05 141.36E–.08 1–14 23 1-57
NIED XI 12 03 47 00 36.90N 141.40E 5 3.5W **¶602389270**
ISCJB XI 12 03 47 37.4–1.2 36.87N–.04 141.46E–.06 6–6 3.6b
IDC XI 12 03 47 38.1–1.6 36.73N 141.46E 0 3.7,3.4b
JMA XI 12 03 47 39.5–.10 36.89N 141.37E 25–1 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ26.00000°,λ-80.00000°. NP2:ϕ_s213.00000°,δ64.00000°,λ-95.00000°. $M_0$1.90000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.7km az=17.9.
IDC Error ellipse: s-maj=36.4km s-min=27.0km az=147.0.
ISC XI 12 17 16 02.0–.95 40.29N–.05 142.32E–.07 26 4.0b 31 0-71
NIED XI 12 17 16 00 40.30N 142.30E 38 3.8W **¶602389298**
ISCJB XI 12 17 16 01.7–.75 40.33N–.04 142.36E–.06 26 3.9b,3.6s
JMA XI 12 17 16 02.8–.10 40.26N 142.31E 32–1 3.5,3.6s
IDC XI 12 17 16 05.2–2.3 40.30N 142.52E 68–20 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ11.00000°,λ-173.00000°. NP2:ϕ_s252.00000°,δ89.00000°,λ-79.00000°. $M_0$5.08000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=23.9.
IDC Error ellipse: s-maj=32.1km s-min=14.3km az=94.0.
JMA XI 13 06 34 33.5–.10 40.27N 142.33E 31–1 3.7
¶606059627
ISC XI 13 12 07 54.5–1.5 36.88N–.03 141.40E–.06 7–10 3.5b 29 1-90
NIED XI 13 12 07 00 36.90N 141.40E 8 3.6W **¶602389342**
ISCJB XI 13 12 07 53.8–1.1 36.89N–.03 141.47E–.06 15–7 3.5b
IDC XI 13 12 07 53.7–1.1 36.87N 141.34E 0 3.7,3.5
JMA XI 13 12 07 55.4–.10 36.89N 141.37E 33–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ40.00000°,λ-92.00000°. NP2:ϕ_s204.00000°,δ50.00000°,λ-88.00000°. $M_0$3.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.2km az=14.5.
IDC Error ellipse: s-maj=26.7km s-min=19.2km az=121.0.
JMA Event type fe.
ISC XI 13 14 46 09.6–1.9 36.85N–.04 141.31E–.07 1–12 3.8b 29 0-61
NIED XI 13 14 46 00 36.80N 141.40E 5 3.7W **¶602389349**
JMA XI 13 14 46 10.5–.10 36.84N 141.36E 27–1 3.8
IDC XI 13 14 46 14.1–5.1 36.80N 141.35E 36–42 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ40.00000°,λ-57.00000°. NP2:ϕ_s178.00000°,δ58.00000°,λ-115.00000°. $M_0$4.12000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=21.0km az=87.0.
JMA XI 13 16 52 18.9–.10 40.12N 142.47E 34–1 3.5
NIED XI 13 16 52 00 40.10N 142.50E 35 3.7W **¶603703863**
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s342.00000°,δ56.00000°,λ18.00000°. NP2:ϕ_s242.00000°,δ75.00000°,λ144.00000°. $M_0$3.69000×10^{14}
ISC XI 13 17 58 54.7–1.7 36.67N–.03 141.13E–.06 2–10 3.7b 33 0-60
NIED XI 13 17 58 00 36.70N 141.10E 5 3.8W **¶602389354**
ISCJB XI 13 17 58 52.4–.00 36.64N–.03 141.25E–.05 2–5 3.7b
IDC XI 13 17 58 53.5–1.3 36.59N 141.31E 0 3.8,3.8
JMA XI 13 17 58 54.8–.10 36.66N 141.12E 16–1 4.2,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ46.00000°,λ-170.00000°. NP2:ϕ_s235.00000°,δ83.00000°,λ-44.00000°. $M_0$6.54000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.2km az=14.3.
IDC Error ellipse: s-maj=30.1km s-min=16.3km az=78.0.
JMA Event type fe.
ISC XI 13 19 34 36.5–2.0 36.92N–.04 141.36E–.07 8–12 3.6b 32 0-61
NIED XI 13 19 34 00 36.80N 141.40E 5 3.6W **¶602389357**
IDC XI 13 19 34 35.0–1.2 36.92N 141.51E 0 3.7,3.6
ISCJB XI 13 19 34 36.4–1.2 36.84N–.03 141.46E–.07 18–7 3.5b,3.6
JMA XI 13 19 34 38.2–.10 36.84N 141.34E 33–1 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ30.00000°,λ-55.00000°. NP2:ϕ_s172.00000°,δ66.00000°,λ-109.00000°. $M_0$2.69000×10^{14}
IDC Error ellipse: s-maj=28.2km s-min=19.7km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.4km az=9.8.
JMA Event type fe.
ISC XI 14 01 18 21.6–1.9 36.89N–.06 141.34E–.07 14–10 3.5b 20 0-57
NIED XI 14 01 18 00 36.90N 141.40E 20 3.4W **¶602389364**
ISCJB XI 14 01 18 21.3–1.3 36.89N–.06 141.40E–.07 24–7 3.5b
JMA XI 14 01 18 21.8–.10 36.90N 141.37E 32–1 3.5
IDC XI 14 01 18 33.7–2.5 37.04N 140.55E 134–18 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ69.00000°,λ-6.00000°. NP2:ϕ_s316.00000°,δ84.00000°,λ-159.00000°. $M_0$1.42000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=8.7km az=44.1.
IDC Error ellipse: s-maj=28.0km s-min=22.4km az=93.0.
ISC XI 14 01 33 34.5–3.5 35.41N–.04 141.13E–.06 14–22 3.8b 52 0-91
NIED XI 14 01 33 00 35.50N 141.10E 32 4.2W **¶602059951**
IDC XI 14 01 33 32.7–.83 35.38N 141.14E 0 4.1,3.9
ISCJB XI 14 01 33 34.9–.81 35.41N–.04 141.24E–.05 30–5 3.9b,3.9
NEIC XI 14 01 33 37.7–.45 35.42N 141.14E 35 4.7b,3.9
JMA XI 14 01 33 37.8–.20 35.52N 140.97E 41–2 3.4,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s288.00000°,δ12.00000°,λ-119.00000°. NP2:ϕ_s138.00000°,δ80.00000°,λ-84.00000°. $M_0$2.63000×10^{15}
IDC Error ellipse: s-maj=20.1km s-min=16.1km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=6.1km az=155.9.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.9km az=205.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XI 14 04 50 27.2–.10 37.74N 141.90E 22–2 3.6
¶606059899
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 14 17 19 28.5–.49 36.46N–.04 140.90E–.06 32 4.5b,3.5s 109 0-147
NIED XI 14 17 19 00 36.40N 141.10E 5 4.3W,3.5s **¶606060087**
IDC XI 14 17 19 23.6–.55 36.37N 140.84E 0 4.4,4.3b
JMA XI 14 17 19 25.3–.10 36.42N 141.00E 17–1 4.5,4.3b
ISCJB XI 14 17 19 27.1–.24 36.41N–.04 140.86E–.04 32 4.4b,3.5s
NEIC XI 14 17 19 31.0–.91 36.35N 140.79E 54–8 4.5b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s345.00000°,δ25.00000°,λ-74.00000°. NP2:ϕ_s148.00000°,δ66.00000°,λ-97.00000°. $M_0$2.73000×10^{15}
IDC Error ellipse: s-maj=16.5km s-min=15.7km az=99.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s152.00000°,δ67.00000°,λ-139.00000°. NP2:ϕ_s43.00000°,δ52.00000°,λ-29.00000°. Principal axes: T Plg9.0000°,Azm274.0000°; N Plg44.0000°,Azm175.0000°; P Plg45.0000°,Azm13.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=159.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.4km az=185.0. Recorded [2 JMA] in Ibaraki and Tochigi.
ISC XI 14 23 24 24.9–2.0 36.74N–.04 141.31E–.09 13–9 3.4b 22 1-57
IDC XI 14 23 24 23.0–2.0 36.70N 141.42E 0 3.6,3.4 **¶602389416**
ISCJB XI 14 23 24 24.8–1.3 36.72N–.04 141.32E–.08 20–7 3.3b,3.4
JMA XI 14 23 24 25.6–.10 36.73N 141.26E 31–1 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=27.9km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.9km az=18.9.
JMA Event type fe.
ISC XI 15 12 05 33.5–1.1 37.09N–.05 141.14E–.08 67–7 3.6b 40 0-61
ISCJB XI 15 12 05 32.1–.62 37.06N–.03 141.17E–.07 73–4 3.7b **¶602389450**
IDC XI 15 12 05 32.8–2.4 37.06N 141.27E 64–20 3.7,3.6

JMA XI 15 12 05 34.1–.10 37.09N 141.04E 69–1 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.1km az=18.9.
IDC Error ellipse: s-maj=20.7km s-min=12.1km az=74.0.
JMA Event type fe.
ISC XI 15 14 54 33.4–3.3 36.85N–.03 141.32E–.06 5–21 3.9b 43 0-147
NIED XI 15 14 54 00 36.90N 141.40E 8 3.7W **¶602059962**
IDC XI 15 14 54 32.2–.70 36.84N 141.36E 0 4.1,4.0b
ISCJB XI 15 14 54 33.8–.99 36.84N–.03 141.39E–.06 23–6 3.9b,4.0b
JMA XI 15 14 54 34.5–.10 36.87N 141.37E 35–1 4.1,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ44.00000°,λ-81.00000°. NP2:ϕ_s195.00000°,δ47.00000°,λ-99.00000°. $M_0$4.35000×10^{14}
IDC Error ellipse: s-maj=19.3km s-min=16.2km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.9km az=11.8.
JMA Event type fe.
ISC XI 16 08 25 56.1–.38 35.30N–.03 141.16E–.03 31–2 5.3b,5.3s 1373 0-162
NIED XI 16 08 25 00 35.40N 141.20E 26 5.4W,5.3s **¶601903377**
IDC XI 16 08 25 51.1–.31 35.24N 141.18E 0 5.0,5.0
BJI XI 16 08 25 52.5 35.27N 141.13E 26 5.4s,5.3
JMA XI 16 08 25 53.8–.10 35.36N 141.23E 30–2 5.5,5.3
ISCJB XI 16 08 25 54.2–.44 35.23N–.02 141.07E–.02 27–3 5.3b,5.2s
GCMT XI 16 08 25 55.8–.10 35.46N–.01 141.14E–.01 19–0 5.3W,5.2s
MOS XI 16 08 25 55.1–1.0 35.17N 141.04E 35 5.5b,5.3s
NEIC XI 16 08 25 57.8–.38 35.22N 140.99E 42–3 5.3b,5.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ45.00000°,λ-104.00000°. NP2:ϕ_s233.00000°,δ47.00000°,λ-77.00000°. $M_0$1.30000×10^{17}
IDC Error ellipse: s-maj=11.3km s-min=7.7km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=160.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c151; s114,c203;Duration: 1ś1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.02 $M_{\theta\theta}$0.50±.01; $M_{\phi\phi}$0.45±.02; $M_{r\theta}$0.44±.03; $M_{\theta\phi}$0.50±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s242.00000°,δ56.00000°,λ-71.00000°. NP2:ϕ_s31.00000°,δ38.00000°,λ-116.00000°. Principal axes: T 1.0280,Plg9.0000° ,Azm319.0000°; N 0.0710,Plg16.0000°,Azm52.0000°; P -1.0990,Plg72.0000°,Azm200.0000° $M_0$1.06300×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=112.6.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=133.0. Felt [III] at Tsuchiura and [II] at Narita. Felt widely in east-central Honshu. Recorded [3 JMA] in Chiba.
ISC XI 16 12 41 04.4–1.5 38.85N–.05 142.19E–.10 42–14 3.8b 35 0-76
NIED XI 16 12 41 00 38.90N 142.00E 47 3.8W **¶602389511**
ISCJB XI 16 12 41 03.8–.87 38.87N–.04 142.12E–.10 50–7 3.7b
JMA XI 16 12 41 05.6–.10 38.89N 141.97E 50–1 3.9
IDC XI 16 12 41 06.4–2.0 38.89N 142.25E 64–18 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ23.00000°,λ68.00000°. NP2:ϕ_s25.00000°,δ69.00000°,λ99.00000°. $M_0$6.33000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=5.7km az=18.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=10.6km az=110.0.
ISC XI 16 19 24 43.0–1.4 38.86N–.05 142.0E–.10 45–10 22 0-59
ISCJB XI 16 19 24 41.7–.98 38.86N–.04 142.1E–.10 52–7 3.5b **¶602389525**
JMA XI 16 19 24 43.1–.10 38.88N 141.98E 49–1 3.3
IDC XI 16 19 24 44.5–3.1 38.91N 142.08E 66–30 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=14.2km s-min=6.6km az=15.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=50.8km s-min=18.7km az=104.0.
ISC XI 17 04 57 17.4–1.5 35.43N–.07 141.3E–.10 25 3.7b 17 0-55
IDC XI 17 04 57 12.8–3.0 35.49N 141.56E 0 3.8,3.7b **¶602389546**
ISCJB XI 17 04 57 15.1–1.2 35.45N–.07 141.5E–.10 25 3.6b,3.7b
JMA XI 17 04 57 17.0–.20 35.45N 141.27E 31–2 3.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=96.5km s-min=25.7km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=8.0km az=147.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 17 05 40 54.2–.98 36.45N–.05 140.73E–.06 51–7 3.6b 26 0-56
ISCJB XI 17 05 40 53.1–.69 36.44N–.05 140.76E–.06 57–4 4.2s,3.6b **¶602389552**
JMA XI 17 05 40 54.3–.10 36.43N 140.65E 53–1 3.7,3.6b
IDC XI 17 05 40 54.8–3.2 36.41N 140.72E 57–29 4.2s,4.2
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.2km az=44.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s20.00000°,δ68.00000°,λ100.00000°. NP2:ϕ_s175.00000°,δ24.00000°,λ67.00000°. Principal axes: T Plg66.0000°,Azm307.0000°; N Plg9.0000°,Azm196.0000°; P Plg22.0000° ,Azm102.0000°
IDC Error ellipse: s-maj=27.1km s-min=20.0km az=138.0.
ISC XI 17 08 31 40.6–1.1 35.44N–.05 141.1E–.10 33 3.6b 19 0-64
ISCJB XI 17 08 31 37.7–.92 35.42N–.06 141.36E–.09 33 3.6b **¶602389559**
JMA XI 17 08 31 37.7–.20 35.45N 141.28E 29–2 3.0
IDC XI 17 08 31 45.2–3.9 35.11N 140.61E 55–35 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.4km az=159.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=32.9km s-min=17.7km az=77.0.
ISC XI 17 15 03 57.5–.78 34.52N–.04 140.22E–.05 75–7 4.1b 66 0-84
NIED XI 17 15 03 00 34.60N 140.10E 77 4.0W **¶601992519**
ISCJB XI 17 15 03 56.8–.39 34.51N–.03 140.21E–.06 86–2 4.0b
NEIC XI 17 15 03 56.8–1.1 34.55N 140.42E 72–9 4.4b
JMA XI 17 15 03 58.7–.20 34.55N 140.15E 66–3 3.9
IDC XI 17 15 03 59.5–1.1 34.52N 140.14E 90–8 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s326.00000°,δ40.00000°,λ-11.00000°. NP2:ϕ_s65.00000°,δ83.00000°,λ-129.00000°. $M_0$1.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.3km az=163.2.
NEIC Event type fe. Error ellipse: s-maj=14.9km s-min=9.4km az=81.0. Recorded [1 JMA] in Chiba and Kanagawa. Also recorded [1 JMA] on Miyake-jima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=6.4km az=75.0.
ISC XI 18 02 29 26.8–1.3 38.18N–.05 141.78E–.10 45–9 3.6b 41 0-73
NIED XI 18 02 29 00 38.20N 141.70E 56 3.8W **¶602389595**
ISCJB XI 18 02 29 26.1–.73 38.15N–.04 141.75E–.08 56–5 3.5b
JMA XI 18 02 29 27.5–.10 38.18N 141.68E 50–1 3.7
IDC XI 18 02 29 27.6–2.9 38.19N 141.81E 57–24 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s139.00000°,δ35.00000°,λ34.00000°. NP2:ϕ_s20.00000°,δ72.00000°,λ120.00000°. $M_0$5.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.2km az=17.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=40.1km s-min=16.9km az=81.0.
ISC XI 18 05 17 31.0–2.1 36.82N–.05 141.32E–.09 1–13 3.6b 24 1-57
ISCJB XI 18 05 17 31.8–1.2 36.82N–.04 141.39E–.08 18–7 3.5b **¶602389601**
JMA XI 18 05 17 32.5–.10 36.84N 141.34E 33–1 3.6
IDC XI 18 05 17 33.1–1.4 37.18N 141.17E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.3km az=20.3.
IDC Error ellipse: s-maj=28.0km s-min=25.7km az=126.0.
ISC XI 18 13 11 38.9–2.0 38.37N–.05 142.16E–.07 16–12 3.5b 35 1-89
NIED XI 18 13 11 00 38.40N 142.20E 35 3.8W **¶602389610**
IDC XI 18 13 11 36.6–.89 38.34N 142.23E 0 3.8,3.6
ISCJB XI 18 13 11 38.8–.94 38.35N–.04 142.21E–.06 27–5 3.7b,2.8s
JMA XI 18 13 11 40.1–.10 38.41N 142.16E 32–1 4.1,2.8s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ45.00000°,λ-140.00000°. NP2:ϕ_s187.00000°,δ63.00000°,λ-53.00000°. $M_0$4.83000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=17.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.9km az=18.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 18 20 01 39.0–2.0 37.32N–.05 141.77E–.08 1–10 3.7b 28 1-49
NIED XI 18 20 01 00 37.30N 141.60E 8 3.7W **¶602389627**
IDC XI 18 20 01 41.4–5.7 36.53N 142.15E 60–36 3.7,3.6
JMA XI 18 20 01 43.0–.10 37.35N 141.57E 29–2 4.2,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ44.00000°,λ-111.00000°. NP2:ϕ_s38.00000°,δ50.00000°,λ-71.00000°. $M_0$3.98000×10^{14}
IDC Error ellipse: s-maj=90.7km s-min=27.8km az=166.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 19 09 35 39.4–1.7 36.90N–.04 141.40E–.07 9–10 3.5b 27 1-147
NIED XI 19 09 35 00 36.90N 141.40E 5 3.5W **¶602389651**
ISCJB XI 19 09 35 38.2–1.8 36.88N–.04 141.49E–.06 12–12 3.4b
IDC XI 19 09 35 38.1–.98 36.88N 141.50E 0 3.6,3.4
JMA XI 19 09 35 40.3–.10 36.87N 141.36E 32–1 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ30.00000°,λ-98.00000°. NP2:ϕ_s205.00000°,δ61.00000°,λ-85.00000°. $M_0$1.95000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=155.6.
IDC Error ellipse: s-maj=23.5km s-min=20.1km az=102.0.
ISC XI 19 15 20 55.6–1.8 39.14N–.04 142.31E–.09 30–11 3.6b 29 1-63
NIED XI 19 15 20 00 39.10N 142.40E 56 3.6W **¶602389675**
JMA XI 19 15 20 54.8–.10 39.14N 142.38E 35–1 3.8
ISCJB XI 19 15 20 55.1–1.1 39.12N–.04 142.3E–.10 47–9 3.5b
IDC XI 19 15 20 58.2–2.7 39.08N 142.25E 60–26 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ36.00000°,λ-92.00000°. NP2:ϕ_s195.00000°,δ54.00000°,λ-88.00000°. $M_0$3.05000×10^{14}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=5.6km az=15.6.
IDC Error ellipse: s-maj=30.1km s-min=15.6km az=99.0.
ISC XI 19 20 28 15.3–1.9 36.78N–.05 141.47E–.08 9–10 24 1-57
ISCJB XI 19 20 28 15.4–1.2 36.75N–.04 141.50E–.07 24–6 3.3b **¶602389696**
JMA XI 19 20 28 16.4–.10 36.75N 141.41E 45–2 3.0
IDC XI 19 20 28 16.3–2.7 36.42N 141.31E 0 3.3,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.3km az=17.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=51.3km s-min=31.6km az=46.0.
JMA XI 20 01 13 35.9–.10 38.10N 142.97E 15–2 3.5
¶606062089
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 20 12 23 12.1–1.2 38.51N–.05 141.80E–.09 52–8 3.5b 30 0-62
ISCJB XI 20 12 23 11.3–.76 38.51N–.04 141.79E–.09 60–5 3.5b **¶602389736**
JMA XI 20 12 23 12.8 38.53N 141.72E 53–1 3.7
IDC XI 20 12 23 13.3–3.1 38.56N 141.87E 69–26 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=5.6km az=15.9.
JMA Event type fe.
IDC Error ellipse: s-maj=42.3km s-min=21.1km az=81.0.
ISC XI 20 16 59 36.3–2.1 36.37N–.04 141.89E–.08 15–12 3.6b 35 1-75
IDC XI 20 16 59 34.1–1.4 36.39N 141.92E 0 3.7,3.7 **¶602389744**
JMA XI 20 16 59 39.0–.10 36.41N 141.69E 61–4 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=19.0km az=78.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 21 00 02 19.3–.86 39.62N–.04 142.10E–.07 50–6 4.2b,3.2s 99 0-88
NIED XI 21 00 02 00 39.60N 142.10E 53 4.1W,3.2s **¶606062502**
BJI XI 21 00 02 12.6 39.28N 142.83E 54 4.6b,4.5b
ISCJB XI 21 00 02 18.2–.47 39.63N–.03 142.11E–.06 57–3 4.1b,3.2s
JMA XI 21 00 02 19.0 39.64N 142.11E 49–1 4.1,3.2s
NEIC XI 21 00 02 20.3–.62 39.59N 142.07E 62–5 4.2b,3.2s
IDC XI 21 00 02 22.6–2.0 39.57N 141.99E 81–18 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ20.00000°,λ62.00000°. NP2:ϕ_s30.00000°,δ72.00000°,λ100.00000°. $M_0$1.86000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.4km az=13.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s33.00000°,δ73.00000°,λ103.00000°. NP2:ϕ_s175.00000°,δ21.00000°,λ53.00000°. Principal axes: T Plg60.0000°,Azm322.0000°; N Plg12.0000°,Azm209.0000°; P Plg27.0000° ,Azm113.0000°
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=133.0. Recorded [3 JMA] in Iwate.
IDC Error ellipse: s-maj=14.3km s-min=12.5km az=102.0.
ISC XI 21 06 42 58.5–1.0 35.98N–.06 140.12E–.06 66–8 3.5b 22 0-56
ISCJB XI 21 06 42 57.5–.75 35.97N–.05 140.14E–.07 72–6 3.5b **¶602389774**
JMA XI 21 06 42 59.1–.10 36.02N 140.08E 62–1 3.0
IDC XI 21 06 42 59.4–3.8 35.81N 140.03E 77–35 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.7km az=41.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=23.4km az=104.0.
ISC XI 21 17 42 37.0–.40 38.49N–.03 141.88E–.03 42–2 5.0b,4.3s 916 0-155
NIED XI 21 17 42 00 38.50N 141.80E 50 5.0W,4.3s **¶601993508**
BJI XI 21 17 42 31.7 38.38N 142.14E 34 5.0b,4.9b
NEIC XI 21 17 42 36.7–1.2 38.48N 141.65E 35–8 5.0b,4.9b
JMA XI 21 17 42 38.4–.10 38.53N 141.81E 50–1 5.0,4.9b
MOS XI 21 17 42 38.0–.93 38.73N 141.67E 50 5.3b,4.2s
ISCJB XI 21 17 42 38.1–.22 38.53N–.02 141.71E–.02 59–1 5.0b,4.3s
IDC XI 21 17 42 39.5–1.7 38.53N 141.70E 62–15 4.7,4.6
GCMT XI 21 17 42 39.7–.20 38.61N–.02 141.84E–.02 50–1 5.1W,4.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ22.00000°,λ75.00000°. NP2:ϕ_s26.00000°,δ69.00000°,λ96.00000°. $M_0$3.50000×10^{16}
NEIC Event type fe. Felt at Fukushima, Furukawa, Ishinomaki, Kitakami and Sendai. Recorded [4 JMA] in Miyagi.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ61.00000°,λ101.00000°. NP2:ϕ_s188.00000°,δ31.00000°,λ71.00000°. Principal axes: T Plg72.0000°,Azm326.0000°; N Plg10.0000°,Azm205.0000°; P Plg15.0000° ,Azm112.0000°
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c80; s102,c148;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.41±.18 $M_{\theta\theta}$-1.30±.12; $M_{\phi\phi}$-3.11±.12; $M_{r\theta}$1.32±.10; $M_{\theta\phi}$-1.03±.10; $M_{\phi r}$2.74±.10; Best double couple: NP1:ϕ_s25.00000°,δ64.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ26.00000°,λ89.00000°. Principal axes: T 5.4370,Plg71.0000° ,Azm296.0000°; N -0.8350,Plg0.0000°,Azm205.0000°; P -4.6020,Plg19.0000° ,Azm115.0000° $M_0$5.01900×10^{16}
ISC XI 22 10 10 46.1–1.1 39.58N–.03 142.04E–.07 28–7 3.6b 38 0-76
NIED XI 22 10 10 00 39.60N 142.00E 29 3.6W **¶606063038**
ISCJB XI 22 10 10 45.7–.61 39.57N–.03 142.02E–.07 37–5 3.6b
JMA XI 22 10 10 46.3 39.57N 141.98E 34 3.8
IDC XI 22 10 10 48.6–2.1 39.57N 141.98E 49–20 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ26.00000°,λ-159.00000°. NP2:ϕ_s69.00000°,δ81.00000°,λ-65.00000°. $M_0$2.67000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.4km az=8.4.
JMA Event type fe.
IDC Error ellipse: s-maj=22.7km s-min=14.0km az=112.0.
ISC XI 22 14 19 30.9–.55 35.25N–.04 140.21E–.04 78–5 4.6b 179 0-92
NIED XI 22 14 19 00 35.20N 140.10E 71 4.3W **¶601993738**
BJI XI 22 14 19 28.3 35.30N 140.40E 78 5.0b,4.6b
MOS XI 22 14 19 29.1–1.0 35.23N 140.35E 79 4.8b,4.6b
ISCJB XI 22 14 19 30.5–.27 35.22N–.03 140.16E–.04 87–1 4.4b,4.6b
NEIC XI 22 14 19 30.4–.66 35.24N 140.34E 75–6 4.8b,4.6b
IDC XI 22 14 19 31.7–1.1 35.17N 140.04E 80–9 4.4,4.2
JMA XI 22 14 19 31.2–.20 35.20N 140.08E 85–2 4.2,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ54.00000°,λ2.00000°. NP2:ϕ_s232.00000°,δ88.00000°,λ144.00000°. $M_0$3.08000×10^{15}
MOS Error ellipse: s-maj=9.0km s-min=5.3km az=109.1.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=164.2.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.0km az=81.0. Felt [III] at Tokyo. Felt widely in the Tokyo area. Recorded [2 JMA] in Chiba, Kanagawa, Shizuoka, Tokyo and Yamanashi.

IDC Error ellipse: s-maj=16.7km s-min=5.4km az=70.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ83.00000°,λ158.00000°. NP2: ϕ_s333.00000°,δ68.00000°,λ8.00000°. Principal axes: T Plg21.0000°,Azm194.0000° ; N Plg67.0000°,Azm42.0000°; P Plg10.0000°,Azm288.0000°

JMA	**XI**	**22 18 33 34.8**	**36.85N**	**141.09E**	**28–1**	**3.6**			
NIED	XI	22 18 33 00	36.80N	141.10E	5	3.5W	**¶603707307**		

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ11.00000°,λ-135.00000°. NP2:ϕ_s221.00000°,δ82.00000°,λ-82.00000°. $M_0$2.28000×10^{14}

ISC	**XI**	**22 23 26 47.6–.59**	**39.10N–.04**	**142.37E–.04**	**45–5**	**4.7b,3.6s**	**464**	**1-147**	
NIED	XI	22 23 26 00	39.10N	142.30E	50	4.4W,3.6s	**¶601993821**		
BJI	XI	22 23 26 46.5	39.21N	142.68E	59	5.0b,4.7b			
JMA	XI	22 23 26 47.9	39.15N	142.30E	47–1	4.7,4.7b			
MOS	XI	22 23 26 47.9–.89	39.24N	142.17E	55	4.9b,4.7b			
ISCJB	XI	22 23 26 48.2–.31	39.17N–.02	142.19E–.03	57–2	4.7b,3.6s			
IDC	XI	22 23 26 49.5–1.8	39.07N	142.17E	64–15	4.4,4.3			
NEIC	XI	22 23 26 49.8–.39	39.14N	142.11E	60–3	4.8b,4.3			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ44.00000°,λ66.00000°. NP2:ϕ_s75.00000°,δ51.00000°,λ111.00000°. $M_0$5.00000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s82.00000°,δ65.00000°,λ115.00000°. NP2:ϕ_s215.00000°,δ35.00000°,λ49.00000°. Principal axes: T Plg62.0000°,Azm31.0000°; N Plg22.0000°,Azm251.0000°; P Plg16.0000° ,Azm154.0000°
MOS Error ellipse: s-maj=6.6km s-min=4.8km az=99.3.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=146.5.
IDC Error ellipse: s-maj=13.5km s-min=12.3km az=124.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=148.0. Recorded [3 JMA] in Iwate and Miyagi.

ISC	**XI**	**23 03 45 30.8–1.2**	**39.21N–.05**	**142.12E–.09**	**44–10**	**3.6b**	**30**	**0-67**	
NIED	XI	23 03 45 00	39.20N	142.10E	47	3.7W	**¶602389864**		
ISCJB	XI	23 03 45 29.9–.85	39.23N–.04	142.1E–.10	52–6	3.6b			
JMA	XI	23 03 45 31.4	39.24N	142.08E	43–1	3.6			
IDC	XI	23 03 45 34.4–2.6	39.23N	142.07E	80–23	3.6,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ36.00000°,λ-99.00000°. NP2:ϕ_s34.00000°,δ54.00000°,λ-83.00000°. $M_0$4.35000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=5.6km az=15.6.
JMA Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=17.5km az=121.0.

ISC	**XI**	**23 12 16 47.5–.91**	**39.09N–.04**	**142.35E–.08**	**43–8**	**3.8b**	**46**	**1-76**	
NIED	XI	23 12 16 00	39.10N	142.30E	47	3.9W	**¶602389884**		
ISCJB	XI	23 12 16 46.7–.78	39.09N–.04	142.33E–.09	52–7	3.7b,3.6s			
JMA	XI	23 12 16 47.6	39.15N	142.31E	47–1	4.0,3.6s			
IDC	XI	23 12 16 48.0–.75	39.04N	142.48E	49–7	3.8,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s69.00000°,δ51.00000°,λ97.00000°. $M_0$7.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=5.4km az=17.7.
JMA Event type fe.
IDC Error ellipse: s-maj=15.4km s-min=9.9km az=118.0.

ISC	**XI**	**23 20 21 28.4–.38**	**38.24N–.03**	**141.82E–.03**	**53–3**	**5.3b,4.1s**	**1344**	**0-160**	
NIED	XI	23 20 21 00	38.20N	141.80E	56	5.0W,4.1s	**¶601993994**		
BJI	XI	23 20 21 24.4	38.16N	141.87E	41	5.4b,5.1b			
ISCJB	XI	23 20 21 28.9–.20	38.21N–.02	141.73E–.02	65–1	5.2b,5.1b			
MOS	XI	23 20 21 28.3–.90	38.36N	141.76E	56	5.5b,5.1b			
IDC	XI	23 20 21 29.5–1.3	38.21N	141.74E	60–11	5.0,4.8			
JMA	XI	23 20 21 29.3	38.21N	141.79E	57–1	5.2,4.8			
NEIC	XI	23 20 21 30.4–.35	38.21N	141.69E	69–3	5.3b,4.8			
GCMT	XI	23 20 21 31.5–.20	38.33N–.02	141.70E–.02	55–1	5.0W,4.8			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ34.00000°,λ129.00000°. NP2:ϕ_s181.00000°,δ64.00000°,λ67.00000°. $M_0$3.98000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ70.00000°,λ159.00000°. NP2:ϕ_s144.00000°,δ70.00000°,λ21.00000°. Principal axes: T Plg29.0000°,Azm5.0000°; N Plg61.0000°,Azm185.0000°; P Plg0.0000° ,Azm95.0000°
NEIC Event type fe. Felt [V] at Sendai and [IV] at Fukushima. Felt in much of eastern Honshu from Kasukabe to Hachinohe. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c81; s105,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.17±.16 $M_{\theta\theta}$0.35±.12; $M_{\phi\phi}$-3.52±.12; $M_{r\theta}$0.66±.09; $M_{\theta\phi}$-1.93±.10; $M_{\phi r}$-2.63±.10; Best double couple: NP1:ϕ_s180.00000°,δ65.00000°,λ64.00000°. NP2:ϕ_s48.00000°,δ36.00000°,λ132.00000°. Principal axes: T 4.4900,Plg61.0000° ,Azm50.0000°; N 0.4450,Plg23.0000°,Azm191.0000°; P -4.9360,Plg16.0000°,Azm288.0000° $M_0$4.71300×10^{16}

ISC	**XI**	**24 01 29 59.7–.41**	**38.26N–.03**	**141.81E–.03**	**55–3**	**5.0b,3.9s**	**956**	**0-161**	
BJI	XI	24 01 29 53.9	38.07N	141.99E	38	4.9b,4.9b	**¶601994048**		
MOS	XI	24 01 29 58.3–.82	38.39N	141.74E	46	5.2b,4.9b			
ISCJB	XI	24 01 29 59.8–.24	38.23N–.02	141.72E–.02	65–2	5.0b,4.9b			
JMA	XI	24 01 30 00.1	38.22N	141.79E	56–1	4.8,4.9b			
NIED	XI	24 01 30 00	38.20N	141.80E	62	4.8W,4.9b			
NEIC	XI	24 01 30 00.6–.27	38.23N	141.70E	60–2	5.1b,4.9b			
IDC	XI	24 01 30 01.1–1.2	38.27N	141.74E	65–11	4.8,4.6			
GCMT	XI	24 01 30 02.6–.40	38.46N–.03	141.60E–.04	63–4	4.8W,4.6			

ISC Event type fe.
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ72.00000°,λ47.00000°. NP2:ϕ_s67.00000°,δ46.00000°,λ155.00000°. Principal axes: T Plg45.0000°,Azm41.0000°; N Plg41.0000°,Azm191.0000°; P Plg16.0000° ,Azm295.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ37.00000°,λ133.00000°. NP2:ϕ_s180.00000°,δ64.00000°,λ63.00000°. $M_0$1.76000×10^{16}
NEIC Event type fe. Felt in Fukushima, Iwate, Kanagawa, Miyagi, Tochigi, Tokyo and Yamagata. Recorded [4 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s65,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.19 $M_{\theta\theta}$0.19±.14; $M_{\phi\phi}$-1.44±.12; $M_{r\theta}$0.47±.09; $M_{\theta\phi}$-0.73±.11; $M_{\phi r}$-1.31±.09; Best double couple: NP1:ϕ_s174.00000°,δ69.00000°,λ63.00000°. NP2:ϕ_s48.00000°,δ34.00000°,λ139.00000°. Principal axes: T 2.0590,Plg58.0000° ,Azm47.0000°; N 0.0310,Plg25.0000°,Azm185.0000°; P -2.0900,Plg19.0000°,Azm284.0000° $M_0$2.07400×10^{16}

ISC	**XI**	**24 08 59 47.6–.34**	**35.56N–.03**	**140.00E–.03**	**73–2**	**4.9b**	**859**	**0-153**	
NIED	XI	24 08 59 00	35.60N	140.10E	74	4.9W	**¶601994106**		
BJI	XI	24 08 59 39.7	35.42N	140.53E	56	5.0b,4.9b			
JMA	XI	24 08 59 47.2–.20	35.64N	140.02E	72–2	4.8,4.9b			
ISCJB	XI	24 08 59 47.2–.21	35.53N–.02	139.87E–.02	80–1	4.8b,4.9b			
IDC	XI	24 08 59 48.2–.59	35.53N	139.94E	81–4	4.9,4.7			
NEIC	XI	24 08 59 49.0–.28	35.53N	139.85E	83–2	4.8b,4.7			
GCMT	XI	24 08 59 49.0–.20	35.59N–.02	140.11E–.02	64–1	5.0W,4.7			
MOS	XI	24 08 59 50.1–.87	36.00N	139.86E	88	5.0b,4.7			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ26.00000°,λ50.00000°. NP2:ϕ_s17.00000°,δ71.00000°,λ107.00000°. $M_0$2.74000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ62.00000°,λ85.00000°. NP2: ϕ_s193.00000°,δ28.00000°,λ100.00000°. Principal axes: T Plg72.0000°,Azm260.0000° ; N Plg5.0000°,Azm5.0000°; P Plg17.0000°,Azm96.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=165.8.
IDC Error ellipse: s-maj=10.3km s-min=8.3km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=133.0. Felt [V] at Chiba and Tokyo; [IV] at Saitama, Tsuchiura and Yokohama; [III] at Ichihara, Mito, Narita and Yokosuka. Widely felt in east-central Honshu. Recorded [4 JMA] in Kanagawa and Tokyo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c71; s100,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.47±.13 $M_{\theta\theta}$0.21±.11; $M_{\phi\phi}$-3.67±.09; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-0.61±.08; $M_{\phi r}$1.48±.08; Best double couple: NP1:ϕ_s10.00000°,δ56.00000°,λ92.00000°. NP2:ϕ_s187.00000°,δ34.00000°,λ88.00000°. Principal axes: T 3.7750,Plg79.0000° ,Azm286.0000°; N 0.3000,Plg1.0000°,Azm189.0000°; P -4.0680,Plg11.0000°,Azm99.0000° $M_0$3.92100×10^{16}

MOS Error ellipse: s-maj=6.1km s-min=3.5km az=109.5.

JMA	**XI**	**24 10 46 27.9–.10**	**37.20N**	**141.71E**	**75–2**	**3.7**			
NIED	XI	24 10 46 00	37.20N	141.70E	77	3.7W	**¶603707852**		

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ25.00000°,λ-134.00000°. NP2:ϕ_s223.00000°,δ72.00000°,λ-72.00000°. $M_0$4.09000×10^{14}

JMA	**XI**	**24 17 34 37.7–.10**	**37.04N**	**141.38E**	**31–1**	**3.6**			
NIED	XI	24 17 34 00	37.00N	141.40E	8	3.3W	**¶606063883**		

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ37.00000°,λ-85.00000°. NP2:ϕ_s199.00000°,δ53.00000°,λ-94.00000°. $M_0$1.08000×10^{14}

ISC	**XI**	**24 17 40 22.7–.53**	**35.53N–.04**	**141.09E–.07**	**33**	**4.0b,3.5s**	**55**	**0-91**	
NIED	XI	24 17 40 00	35.60N	141.20E	47	4.3W,3.5s	**¶601994180**		
ISCJB	XI	24 17 40 20.7–.43	35.53N–.04	141.27E–.06	33	3.9b,3.4s			
JMA	XI	24 17 40 22.9–.20	35.56N	141.08E	37–1	3.8,3.4s			
IDC	XI	24 17 40 25.8–1.8	35.49N	140.87E	57–16	4.0,3.9			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ85.00000°. NP2:ϕ_s16.00000°,δ65.00000°,λ92.00000°. $M_0$3.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.3km az=176.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s73.00000°,δ54.00000°,λ81.00000°. NP2: ϕ_s267.00000°,δ37.00000°,λ102.00000°. Principal axes: T Plg79.0000°,Azm309.0000° ; N Plg7.0000°,Azm78.0000°; P Plg9.0000°,Azm169.0000°
IDC Error ellipse: s-maj=17.9km s-min=9.5km az=85.0.

ISC	**XI**	**25 12 01 38.3–1.5**	**38.05N–.05**	**142.2E–.10**	**38–4**		**35**	**1-58**	
NIED	XI	25 12 01 00	38.00N	142.20E	41	3.6W	**¶602389970**		
ISCJB	XI	25 12 01 36.8–1.0	38.02N–.04	142.20E–.08	40–14	3.2b			
JMA	XI	25 12 01 36.9–.10	38.01N	142.16E	39–2	3.6			
IDC	XI	25 12 01 37.4–4.0	37.99N	142.53E	38–37	3.5,3.4			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ13.00000°,λ24.00000°. NP2:ϕ_s23.00000°,δ85.00000°,λ102.00000°. $M_0$2.84000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.1km az=13.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=44.4km s-min=25.4km az=95.0.

ISC	**XI**	**25 13 09 58.8–1.1**	**36.99N–.06**	**141.97E–.07**	**19**	**3.5b**	**22**	**1-61**	
NIED	XI	25 13 09 00	37.00N	142.00E	44	3.5W	**¶602389975**		
IDC	XI	25 13 09 56.3–1.8	36.97N	142.36E	0	3.8,3.7			
ISCJB	XI	25 13 09 57.2–.80	36.94N–.05	142.11E–.06	19	3.7b,3.7			
JMA	XI	25 13 09 59.8–.20	37.03N	142.02E	47	3.5,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ30.00000°,λ95.00000°. NP2:ϕ_s34.00000°,δ60.00000°,λ87.00000°. $M_0$2.29000×10^{14}
IDC Error ellipse: s-maj=37.0km s-min=32.3km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.9km az=148.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**XI**	**25 18 43 19.1–.10**	**38.50N**	**142.15E**	**24–2**	**3.5**			
							¶606064479		

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA	**XI**	**26 08 48 36.0–.10**	**36.86N**	**141.15E**	**36–1**	**3.4**			
							¶606064649		

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XI**	**26 18 20 38.5–1.0**	**39.33N–.04**	**142.08E–.08**	**46–8**	**3.7b**	**40**	**0-73**	
NIED	XI	26 18 20 00	39.30N	142.10E	41	3.9W	**¶602390000**		
ISCJB	XI	26 18 20 37.6–.67	39.33N–.03	142.12E–.08	56–4	3.7b			
JMA	XI	26 18 20 38.7	39.34N	142.08E	48–1	3.9			
IDC	XI	26 18 20 40.5–2.2	39.31N	142.01E	68–19	3.7,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s161.00000°,δ47.00000°,λ-10.00000°. NP2:ϕ_s257.00000°,δ83.00000°,λ-137.00000°. $M_0$6.82000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.7km az=14.6.
JMA Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=13.3km az=101.0.

ISC	**XI**	**26 21 12 01.7–1.6**	**36.17N–.04**	**141.07E–.06**	**28–11**	**3.6b**	**26**	**0-78**	
IDC	XI	26 21 11 57.5–.95	36.11N	141.25E	0	3.8,3.5	**¶601994652**		
NIED	XI	26 21 12 00	36.20N	141.10E	38	3.7W,3.5			
ISCJB	XI	26 21 12 02.1–.69	36.17N–.04	141.09E–.08	46–6	3.5b,3.5			
JMA	XI	26 21 12 03.1–.10	36.16N	141.01E	44–2	3.6,3.5			

ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=21.8km az=103.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ17.00000°,λ-111.00000°. NP2:ϕ_s171.00000°,δ74.00000°,λ-84.00000°. $M_0$4.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=7.0km az=171.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XI**	**27 09 55 30.7–1.4**	**38.24N–.05**	**142.14E–.09**	**53–12**	**3.5b**	**43**	**1-76**	
NIED	XI	27 09 55 00	38.30N	141.90E	65	3.6W	**¶602390053**		
ISCJB	XI	27 09 55 30.8–.72	38.27N–.04	142.03E–.08	67–6	3.5b			
IDC	XI	27 09 55 30.1–2.4	38.26N	142.38E	48–23	3.7,3.7			
JMA	XI	27 09 55 33.1	38.31N	141.89E	62–1	4.0,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s307.00000°,δ43.00000°,λ56.00000°. NP2:ϕ_s169.00000°,δ56.00000°,λ117.00000°. $M_0$3.30000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.5km az=15.9.
IDC Error ellipse: s-maj=27.1km s-min=15.2km az=109.0.
JMA Event type fe.

ISC	**XI**	**27 15 11 08.4–1.4**	**36.75N–.04**	**141.15E–.06**	**28–9**	**3.7b**	**46**	**0-147**	
NIED	XI	27 15 11 00	36.70N	141.10E	44	3.9W	**¶602390066**		
ISCJB	XI	27 15 11 08.3–.69	36.72N–.03	141.14E–.06	41–6	3.8b			
JMA	XI	27 15 11 09.7–.10	36.74N	141.04E	42–1	3.8			
IDC	XI	27 15 11 10.2–2.7	36.75N	141.01E	40–24	3.8,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ36.00000°,λ-81.00000°. NP2:ϕ_s56.00000°,δ55.00000°,λ-97.00000°. $M_0$8.71000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.7km az=15.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=15.2km az=80.0.

ISC	**XI**	**27 20 17 48.0–1.5**	**36.67N–.03**	**141.00E–.05**	**13–9**	**3.7b**	**41**	**0-147**	
NIED	XI	27 20 17 00	36.60N	141.10E	8	3.7W	**¶602390076**		
ISCJB	XI	27 20 17 47.4–.95	36.63N–.03	141.11E–.07	21–6	3.8s,3.7b			
JMA	XI	27 20 17 48.0	36.62N	141.05E	28–1	3.9,3.7b			
IDC	XI	27 20 17 53.4–2.4	36.63N	140.89E	56–22	3.7,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ43.00000°,λ-86.00000°. NP2:ϕ_s3.00000°,δ47.00000°,λ-94.00000°. $M_0$4.62000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.5km az=18.9.
JMA Event type fe.
IDC Error ellipse: s-maj=22.6km s-min=11.9km az=77.0.

ISC	**XI**	**28 07 48 14.9–.95**	**39.16N–.04**	**142.32E–.07**	**33–4**	**3.8b**	**28**	**1-63**	
NIED	XI	28 07 48 00	39.20N	142.40E	44	3.9W	**¶602390096**		
ISCJB	XI	28 07 48 14.2–1.1	39.17N–.05	142.4E–.10	47–11	3.6b			
JMA	XI	28 07 48 14.3–.10	39.21N	142.39E	31–1	3.8			
IDC	XI	28 07 48 15.0–.85	39.10N	142.44E	37–7	3.6,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ25.00000°,λ-167.00000°. NP2:ϕ_s171.00000°,δ84.00000°,λ-65.00000°. $M_0$7.33000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.1km s-min=7.0km az=15.3.
JMA Event type fe.
IDC Error ellipse: s-maj=30.4km s-min=16.6km az=98.0.

ISC	**XI**	**29 12 36 08.3–1.2**	**38.38N–.04**	**141.33E–.06**	**72–8**		**30**	**0-58**	
IDC	XI	29 12 35 52.9–2.3	39.02N	142.32E	0	3.8,3.7	**¶602390162**		
ISCJB	XI	29 12 36 08.6–.91	38.38N–.03	141.31E–.06	71–6	3.5b,3.7			
JMA	XI	29 12 36 08.9	38.39N	141.27E	70–1	3.2,3.7			

ISC Event type ke.
IDC Error ellipse: s-maj=82.4km s-min=30.8km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.4km az=14.0.
JMA Event type fe.

JMA	**XI**	**29 17 10 39.5**	**36.56N**	**140.84E**	**13–1**	**3.6**			
NIED	XI	29 17 10 00	36.60N	140.90E	5	3.4W	**¶603709774**		

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s350.00000°,δ16.00000°,λ-66.00000°. NP2:ϕ_s146.00000°,δ75.00000°,λ-97.00000°. $M_0$1.49000×10^{14}

ISC XI 30 06 41 32.7–2.1 38.02N–.04 142.61E–.05 9–12 4.2b 100 1-146
NIED XI 30 06 41 00 38.00N 142.80E 17 4.0W **¶602042750**
IDC XI 30 06 41 30.7–.65 37.94N 142.80E 0 4.2,4.1
ISCJB XI 30 06 41 32.7–1.0 38.03N–.03 142.68E–.04 22–7 4.1b,3.9s
JMA XI 30 06 41 32.4–.10 38.04N 142.70E 30–2 4.3,3.9s
NEIC XI 30 06 41 36.6–.58 37.97N 142.69E 39–5 4.3b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ15.00000°,λ-174.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ-76.00000°. $M_0$9.45000×10^{14}
IDC Error ellipse: s-maj=16.7km s-min=12.9km az=139.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=42.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=134.0. Recorded [1 JMA] in Miyagi.
ISC XI 30 19 13 52.4–.99 36.75N–.05 141.81E–.07 19 3.5b 22 1-70
NIED XI 30 19 13 00 36.80N 141.70E 23 3.8W **¶602390248**
IDC XI 30 19 13 49.2–1.2 36.66N 142.05E 0 3.8,3.8L
ISCJB XI 30 19 13 50.4–.74 36.68N–.05 141.95E–.07 19 3.8s,3.5b
JMA XI 30 19 13 53.9–.20 36.77N 141.68E 58–3 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ49.00000°,λ7.00000°. NP2:ϕ_s112.00000°,δ85.00000°,λ139.00000°. $M_0$6.36000×10^{14}
IDC Error ellipse: s-maj=27.0km s-min=21.3km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=7.0km az=168.7.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XII 01 10 24 48.5–1.8 35.19N–.05 141.58E–.07 10–11 22 1-59
IDC XII 01 10 24 47.6–1.9 35.23N 141.61E 0 3.6,3.6 **¶602390272**
ISCJB XII 01 10 24 48.8–1.6 35.13N–.04 141.61E–.09 20–10 3.8b,3.6
JMA XII 01 10 24 49.2–.20 35.18N 141.56E 12–3 3.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=47.8km s-min=27.3km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.1km az=177.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 02 00 30 46.2–1.2 36.36N–.05 141.86E–.08 19 3.6b 23 1-56
IDC XII 02 00 30 43.1–2.0 36.79N 142.24E 0 3.7,3.6 **¶602390307**
JMA XII 02 00 30 45.1–.20 36.26N 142.08E 61 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=27.9km az=59.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 02 07 00 52.7–.78 35.73N–.05 140.70E–.06 54–6 3.8b 36 0-75
NIED XII 02 07 00 00 35.70N 140.60E 53 3.9W **¶606066673**
ISCJB XII 02 07 00 51.5–.49 35.72N–.04 140.72E–.07 58–3 3.8b,3.3s
JMA XII 02 07 00 52.4–.10 35.74N 140.62E 50–2 3.3,3.3s
IDC XII 02 07 00 53.9–2.6 35.54N 140.60E 64–21 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ15.00000°,λ85.00000°. NP2:ϕ_s355.00000°,δ75.00000°,λ91.00000°. $M_0$9.43000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.5km az=161.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s357.00000°,δ86.00000°,λ94.00000°. NP2: ϕ_s132.00000°,δ6.00000°,λ45.00000°. Principal axes: T Plg49.0000°,Azm271.0000° ; N Plg4.0000°,Azm176.0000°; P Plg41.0000°,Azm83.0000°
IDC Error ellipse: s-maj=29.2km s-min=8.0km az=68.0.
ISC XII 02 14 56 04.6–2.2 37.04N–.06 141.34E–.07 5–12 3.5b 32 0-147
ISCJB XII 02 14 56 02.4–1.2 37.02N–.04 141.46E–.05 5–6 3.5b,3.4s **¶602390356**
JMA XII 02 14 56 03.7–.10 37.04N 141.41E 26–1 3.7,3.4s
IDC XII 02 14 56 03.8–.82 36.86N 141.35E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=25.0.
IDC Error ellipse: s-maj=18.7km s-min=15.8km az=159.0.
ISC XII 02 15 09 18.0–2.6 37.02N–.06 141.39E–.07 7–14 3.6b 26 0-50
IDC XII 02 15 09 16.6–2.5 36.83N 141.56E 0 3.6,3.6 **¶602390357**
ISCJB XII 02 15 09 17.2–1.3 37.02N–.04 141.46E–.06 8–6 3.6b,3.6
JMA XII 02 15 09 18.9–.10 37.04N 141.39E 25–1 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=18.3km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.9km az=34.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 03 04 14 06.6–.95 38.58N–.04 141.90E–.07 49–7 3.9b,3.7s 64 0-146
NIED XII 03 04 14 00 38.60N 141.90E 47 4.2W,3.7s **¶602090144**
ISCJB XII 03 04 14 05.6–.56 38.59N–.03 141.92E–.06 55–3 3.9b,3.5s
JMA XII 03 04 14 06.5 38.62N 141.90E 48–1 4.0,3.5s
IDC XII 03 04 14 09.4–1.9 38.62N 141.79E 73–16 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ24.00000°,λ88.00000°. NP2:ϕ_s23.00000°,δ66.00000°,λ91.00000°. $M_0$1.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.6km az=18.3.
JMA Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=11.6km az=118.0.
ISC XII 03 04 57 15.0–.59 36.34N–.03 140.78E–.04 90–5 4.5b 194 0-153
NIED XII 03 04 57 00 36.40N 140.80E 89 4.2W **¶601995913**
BJI XII 03 04 57 11.8 36.38N 140.81E 87 5.0b,4.8b
ISCJB XII 03 04 57 14.3–.26 36.32N–.02 140.77E–.03 102–1 4.4b,4.8b
MOS XII 03 04 57 14.0–1.0 36.35N 140.80E 99 4.4b,4.8b
NEIC XII 03 04 57 14.8–.42 36.29N 140.79E 92–4 4.6b,4.8b
IDC XII 03 04 57 16.1–1.2 36.29N 140.69E 100–11 4.3,4.1
JMA XII 03 04 57 16.0–.10 36.34N 140.73E 91–1 4.3,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ33.00000°,λ-123.00000°. NP2:ϕ_s197.00000°,δ63.00000°,λ-71.00000°. $M_0$2.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.9km az=0.0.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=115.7.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.7km az=112.0. Recorded [3 JMA] in Ibaraki.
IDC Error ellipse: s-maj=13.0km s-min=8.1km az=73.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s206.00000°,δ67.00000°,λ-77.00000°. NP2: ϕ_s354.00000°,δ26.00000°,λ-119.00000°. Principal axes: T Plg21.0000°,Azm286.0000° ; N Plg12.0000°,Azm21.0000°; P Plg65.0000°,Azm139.0000°
ISC XII 03 05 17 12.6–1.8 36.62N–.04 141.15E–.05 5–11 4.1b 52 0-147
NIED XII 03 05 17 00 36.60N 141.20E 5 3.9W **¶601995918**
ISCJB XII 03 05 17 13.2–.89 36.58N–.03 141.21E–.06 24–5 4.0b,3.6s
JMA XII 03 05 17 13.5 36.59N 141.19E 29–1 4.3,3.6s
IDC XII 03 05 17 18.1–1.9 36.59N 141.08E 45–17 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ40.00000°,λ-130.00000°. NP2:ϕ_s216.00000°,δ61.00000°,λ-61.00000°. $M_0$9.36000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=18.1.
JMA Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=10.8km az=117.0.
ISC XII 03 06 11 39.1–1.9 37.21N–.05 141.76E–.07 1–11 3.4b 22 1-57
JMA XII 03 06 11 42.6–.20 37.20N 141.72E 41–3 3.5 **¶602390385**
IDC XII 03 06 11 53.6–3.7 37.14N 141.67E 123–34 3.2,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=38.9km s-min=27.8km az=96.0.
ISC XII 03 10 38 42.1–1.5 36.88N–.05 141.3E–.10 22–10 3.6b 27 0-61
ISCJB XII 03 10 38 39.3–1.2 36.87N–.03 141.43E–.06 10–7 3.8s,3.6b **¶602390390**
JMA XII 03 10 38 40.9–.10 36.89N 141.36E 30–1 3.9,3.6b
IDC XII 03 10 38 41.9–2.0 36.46N 141.27E 0 3.9,3.9s
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.8km az=6.7.
JMA Event type fe.
IDC Error ellipse: s-maj=49.6km s-min=22.2km az=51.0.
ISC XII 04 07 48 31.2–1.1 35.79N–.07 141.58E–.07 25 3.6b 20 1-60
JMA XII 04 07 48 28.2–.30 35.78N 141.74E 14–3 3.2 **¶602390441**
ISCJB XII 04 07 48 29.3–.99 35.77N–.05 141.73E–.07 25 3.6b
IDC XII 04 07 48 35.8–5.0 35.54N 141.27E 65–46 3.4,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.5km az=31.9.
IDC Error ellipse: s-maj=45.8km s-min=24.6km az=93.0.
ISC XII 04 20 52 12.2–1.4 38.68N–.05 142.6E–.10 35 3.5b 26 1-63
NIED XII 04 20 52 00 38.70N 142.40E 44 3.7W **¶602390468**
ISCJB XII 04 20 52 12.8–1.0 38.65N–.05 142.49E–.08 35 3.4b
JMA XII 04 20 52 13.4–.10 38.68N 142.45E 39–2 3.7
IDC XII 04 20 52 30.1–2.6 38.16N 140.73E 156–23 3.4,3.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ37.00000°,λ79.00000°. NP2:ϕ_s103.00000°,δ54.00000°,λ98.00000°. $M_0$4.25000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.6km az=10.1.
IDC Error ellipse: s-maj=33.8km s-min=17.3km az=78.0.
JMA XII 04 22 40 40.3–.10 37.06N 141.37E 32–1 3.5
¶606067557
JMA Event type fe.
ISC XII 05 13 17 48.3–2.2 36.78N–.05 141.4E–.10 10–11 3.6b 18 1-57
IDC XII 05 13 17 47.1–2.1 36.74N 141.38E 0 3.6,3.5 **¶602390501**
ISCJB XII 05 13 17 48.5–1.4 36.77N–.05 141.37E–.09 20–7 3.5b,3.5
JMA XII 05 13 17 50.2–.10 36.79N 141.23E 38–1 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=28.9km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.6km az=19.0.
JMA XII 06 04 42 16.1 38.48N 141.99E 46–1 3.5
¶606067916
JMA Event type fe.
ISC XII 06 07 18 55.5–2.2 37.08N–.05 141.37E–.07 11–13 3.5b 27 0-147
NIED XII 06 07 18 00 37.10N 141.20E 35 3.7W **¶602390537**
IDC XII 06 07 18 54.1–1.1 37.00N 141.41E 0 3.7,3.6L
ISCJB XII 06 07 18 55.4–1.3 37.07N–.04 141.44E–.07 16–8 3.5b,3.1s
JMA XII 06 07 18 58.3–.10 37.08N 141.23E 37–1 4.0,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ17.00000°,λ-19.00000°. NP2:ϕ_s128.00000°,δ85.00000°,λ-106.00000°. $M_0$3.64000×10^{14}
IDC Error ellipse: s-maj=32.7km s-min=21.7km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.6km az=34.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 06 10 17 33.8–.67 36.53N–.04 140.78E–.05 40–6 4.2b,3.5s 121 0-147
NIED XII 06 10 17 00 36.40N 140.70E 56 4.5W,3.5s **¶601996741**
MOS XII 06 10 17 31.8–1.1 36.47N 140.81E 44 4.4b,3.5s
ISCJB XII 06 10 17 33.5–.36 36.45N–.03 140.80E–.04 58–2 4.2b,3.5s
JMA XII 06 10 17 34.6–.10 36.43N 140.69E 52–1 4.3,3.5s
IDC XII 06 10 17 35.3–1.5 36.47N 140.78E 53–13 4.1,4.0
NEIC XII 06 10 17 36.1–.67 36.46N 140.67E 63–6 4.4b,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ24.00000°,λ76.00000°. NP2:ϕ_s14.00000°,δ67.00000°,λ96.00000°. $M_0$5.76000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=6.9km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=27.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ63.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ27.00000°,λ88.00000°. Principal axes: T Plg72.0000°,Azm298.0000°; N Plg1.0000°,Azm205.0000°; P Plg18.0000° ,Azm115.0000°
IDC Error ellipse: s-maj=11.6km s-min=8.5km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.4km az=96.0. Felt in the Iwaki-Tokyo area. Recorded [3 JMA] in Ibaraki.
ISC XII 06 20 32 04.6–.51 35.63N–.03 140.20E–.04 64–4 4.7b 364 0-153
BJI XII 06 20 31 59.7 35.47N 140.66E 67 5.0b,4.6b **¶602005571**
NIED XII 06 20 32 00 35.60N 140.20E 65 4.8W,4.6b
MOS XII 06 20 32 03.3–1.1 35.61N 140.15E 63 4.9b,4.6b
NEIC XII 06 20 32 03.8–1.1 35.54N 140.09E 54–10 4.8b,4.6b
ISCJB XII 06 20 32 04.4–.26 35.55N–.02 140.12E–.03 72–2 4.6b,4.6b
JMA XII 06 20 32 04.3–.20 35.65N 140.17E 67–2 4.6,4.6b
GCMT XII 06 20 32 06.8–.40 35.53N–.02 140.26E–.03 53–1 4.9W,4.6b
IDC XII 06 20 32 06.0–.88 35.51N 140.12E 78–7 4.4,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ30.00000°,λ127.00000°. NP2:ϕ_s351.00000°,δ67.00000°,λ71.00000°. $M_0$1.55000×10^{16}
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=117.4.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=140.0. Felt [III] at Chiba and Yokohama and [II] at Tokyo. Felt in parts of east-central Honshu. Recorded [3 JMA] in Chiba.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.6km az=135.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s8.00000°,δ72.00000°,λ97.00000°. NP2: ϕ_s165.00000°,δ19.00000°,λ68.00000°. Principal axes: T Plg62.0000°,Azm289.0000° ; N Plg7.0000°,Azm186.0000°; P Plg27.0000°,Azm92.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c50; s61,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.12 $M_{\theta\theta}$0.16±.10; $M_{\phi\phi}$-2.43±.08; $M_{r\theta}$-0.42±.07; $M_{\theta\phi}$-0.36±.07; $M_{r\phi}$0.93±.07; Best double couple: NP1:ϕ_s355.00000°,δ56.00000°,λ75.00000°. NP2:ϕ_s201.00000°,δ36.00000°,λ111.00000°. Principal axes: T 2.5450,Plg74.0000° ,Azm224.0000°; N 0.0870,Plg12.0000°,Azm3.0000°; P -2.6340,Plg10.0000°,Azm96.0000° $M_0$2.58900×10^{16}
IDC Error ellipse: s-maj=10.3km s-min=5.5km az=79.0.
ISC XII 07 01 03 52.1–1.8 36.72N–.03 141.29E–.07 7–10 3.7b 31 1-147
NIED XII 07 01 03 00 36.70N 141.20E 5 3.5W **¶602390568**
IDC XII 07 01 03 51.4–1.1 36.71N 141.25E 0 3.8,3.8b
ISCJB XII 07 01 03 52.3–1.1 36.70N–.03 141.34E–.07 20–6 3.7b,3.8b
JMA XII 07 01 03 53.5–.10 36.70N 141.25E 33–1 3.9,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ46.00000°,λ-68.00000°. NP2:ϕ_s6.00000°,δ48.00000°,λ-111.00000°. $M_0$2.33000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=18.7km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=5.2km az=11.8.
JMA Event type fe.
JMA XII 07 09 02 18.0–.20 35.84N 140.98E 16–2 4.2
¶606068251
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 09 23 44.4–.20 36.71N 141.24E 33–2 4.0
¶602390588
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 40 25.4–1.6 36.75N–.03 141.27E–.05 9–10 3.9b 68 1-147
ISCJB XII 07 10 40 26.6–.67 36.71N–.03 141.24E–.04 28–4 4.1b **¶602330319**
JMA XII 07 10 40 26.5 36.70N 141.23E 32–1 4.2
IDC XII 07 10 40 29.7–3.7 36.76N 141.06E 35–30 3.9,3.9
NEIC XII 07 10 40 29.5–.39 36.81N 141.23E 35 4.4b,3.9
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=15.7.
JMA Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=16.4km az=87.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.5km az=139.0. Recorded [2 JMA] in Ibaraki.
IDC XII 07 11 21 36.8–1.8 36.41N 140.19E 216–16 3.4,3.0
¶602390626
IDC Error ellipse: s-maj=29.2km s-min=22.2km az=87.0.
ISC XII 07 19 24 58.4–.60 40.85N–.03 142.93E–.03 26–4 4.9b 535 1-148
NIED XII 07 19 24 00 40.80N 143.00E 32 4.6W **¶602032162**
BJI XII 07 19 24 56.6 40.85N 143.04E 35 5.2b,4.9b
JMA XII 07 19 24 56.8–.30 40.83N 142.96E 5–3 4.6,4.9b
MOS XII 07 19 24 56.8–.98 40.87N 142.89E 25 5.1b,4.0s
ISCJB XII 07 19 24 59.4–.33 40.84N–.02 142.91E–.03 44–2 4.8b,4.2s
NEIC XII 07 19 25 00.1–.14 40.88N 142.82E 35 4.9b,4.2s
IDC XII 07 19 25 02.2–1.6 40.85N 142.83E 54–14 4.5,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ27.00000°,λ34.00000°. NP2:ϕ_s34.00000°,δ75.00000°,λ113.00000°. $M_0$8.40000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=97.9.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=140.0. Recorded [2 JMA] in Iwate.
IDC Error ellipse: s-maj=13.0km s-min=8.9km az=110.0.
ISC XII 07 20 41 33.6–1.2 35.65N–.06 140.84E–.10 58–8 16 0-56
ISCJB XII 07 20 41 32.9–.99 35.65N–.05 140.8E–.10 65–6 3.2b **¶606068557**

JMA XII 07 20 41 35.3–.20 35.65N 140.66E 47–2 2.7
IDC XII 07 20 41 36.1–1.5 34.55N 137.89E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=8.6km az=164.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.0km s-min=24.5km az=72.0.
ISC XII 08 01 38 57.3–3.5 37.20N–.06 141.95E–.07 16–23 3.5b 28 1-57
NIED XII 08 01 38 00 37.20N 141.90E 41 3.7W **¶602390767**
IDC XII 08 01 38 54.1–1.4 37.00N 142.18E 0 3.9L,3.8
ISCJB XII 08 01 38 57.4–1.3 37.19N–.05 141.95E–.07 24–8 3.5b,2.6s
JMA XII 08 01 38 59.1–.10 37.22N 141.86E 45–3 4.2,2.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ51.00000°,λ147.00000°. NP2:ϕ_s160.00000°,δ65.00000°,λ44.00000°. $M_0$3.81000×10^{14}
IDC Error ellipse: s-maj=27.2km s-min=24.4km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=7.6km az=135.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 15 53 18.3–2.2 40.08N–.06 142.88E–.09 12–12 3.5b 25 1-67
NIED XII 08 15 53 00 40.10N 142.70E 29 3.7W **¶602390825**
IDC XII 08 15 53 16.1–1.4 40.12N 143.14E 0 3.7,3.6
JMA XII 08 15 53 21.6–.20 40.11N 142.70E 28–2 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ15.00000°,λ-21.00000°. NP2:ϕ_s210.00000°,δ85.00000°,λ-104.00000°. $M_0$3.51000×10^{14}
IDC Error ellipse: s-maj=33.2km s-min=26.5km az=100.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 08 20 28 10.0–2.5 39.00N–.06 142.5E–.20 20–8 19 1-2
NIED XII 08 20 28 00 39.00N 142.50E 35 3.5W **¶603712976**
JMA XII 08 20 28 11.9–.10 39.06N 142.47E 31–2 3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ42.00000°,λ-59.00000°. NP2:ϕ_s263.00000°,δ55.00000°,λ-115.00000°. $M_0$2.08000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 09 05 42 55.8–.81 35.46N–.06 141.12E–.08 33 3.8b 27 0-148
IDC XII 09 05 42 50.1–.86 35.32N 141.22E 0 4.0,3.8 **¶602390885**
ISCJB XII 09 05 42 54.2–.69 35.47N–.05 141.24E–.08 33 3.7b,2.7s
JMA XII 09 05 42 56.4–.10 35.50N 141.03E 32–1 3.3,2.7s
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=18.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.8km az=159.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 09 15 59 39.7–.10 38.50N 142.07E 39–1 3.5
NIED XII 09 15 59 00 38.50N 142.10E 17 3.5W **¶606069363**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ48.00000°,λ-174.00000°. NP2:ϕ_s174.00000°,δ85.00000°,λ-43.00000°. $M_0$1.74000×10^{14}
ISC XII 10 01 15 39.9–1.6 38.91N–.06 142.1E–.10 45–11 3.9b 27 0-73
NIED XII 10 01 15 00 38.90N 142.00E 50 3.7W **¶602390953**
ISCJB XII 10 01 15 39.3–1.0 38.89N–.05 142.0E–.10 57–6 3.8b
JMA XII 10 01 15 40.3–.10 38.89N 141.97E 49–1 3.7
IDC XII 10 01 15 41.6–3.9 38.85N 141.97E 63–33 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ28.00000°,λ74.00000°. NP2:ϕ_s37.00000°,δ63.00000°,λ99.00000°. $M_0$3.75000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=17.1km s-min=7.9km az=15.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=21.1km az=78.0.
ISC XII 10 07 12 05.8–1.8 36.95N–.05 141.37E–.06 10–10 3.6b,3.2s 33 0-90
NIED XII 10 07 12 00 36.90N 141.50E 5 3.9W,3.2s **¶602390967**
ISCJB XII 10 07 12 03.9–1.2 36.92N–.04 141.51E–.04 9–7 3.7b,3.2s
IDC XII 10 07 12 04.5–.83 36.92N 141.38E 0 3.9,3.7
JMA XII 10 07 12 05.0–.10 36.92N 141.48E 23–1 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ46.00000°,λ-138.00000°. NP2:ϕ_s232.00000°,δ61.00000°,λ-52.00000°. $M_0$8.90000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.5km az=135.9.
IDC Error ellipse: s-maj=20.4km s-min=19.6km az=80.0.
JMA Event type fe.
ISC XII 10 12 14 39.9–1.9 36.95N–.05 141.49E–.07 7–10 3.9b 30 1-64
NIED XII 10 12 14 00 36.90N 141.50E 5 3.7W **¶602390983**
ISCJB XII 10 12 14 38.2–1.2 36.94N–.04 141.56E–.05 8–6 3.8b
IDC XII 10 12 14 39.1–.96 36.96N 141.42E 0 3.9,3.7
JMA XII 10 12 14 40.2–.10 36.93N 141.48E 24–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ49.00000°,λ-128.00000°. NP2:ϕ_s242.00000°,δ54.00000°,λ-55.00000°. $M_0$3.92000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=139.8.
IDC Error ellipse: s-maj=23.4km s-min=19.6km az=118.0.
ISC XII 10 19 05 06.2–.77 38.50N–.05 142.76E–.07 23 3.8b 41 1-88
IDC XII 10 19 05 02.2–.81 38.37N 143.03E 0 4.1s,4.1 **¶602355583**
NEIC XII 10 19 05 03.7–.68 38.38N 143.06E 10 4.8b,4.1
ISCJB XII 10 19 05 04.5–.55 38.50N–.04 142.79E–.04 23 3.8b,4.1
JMA XII 10 19 05 06.6–.10 38.51N 142.70E 34–2 3.9,4.1
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=18.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.9km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=150.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 11 01 23 06.7–2.1 36.99N–.06 141.52E–.08 10–12 3.5b 20 1-57
ISCJB XII 11 01 23 05.3–1.6 36.92N–.06 141.59E–.07 6–8 3.2b **¶606069868**
IDC XII 11 01 23 05.1–2.0 37.11N 141.64E 0 3.4b,3.4
JMA XII 11 01 23 08.1–.10 36.94N 141.46E 25–1 3.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=8.4km az=157.4.
IDC Error ellipse: s-maj=43.4km s-min=29.1km az=61.0.
ISC XII 11 04 11 53.7–.85 36.19N–.04 140.47E–.05 70–6 3.6b 32 0-60
ISCJB XII 11 04 11 52.3–.51 36.18N–.04 140.49E–.05 75–3 3.5b **¶602391066**
JMA XII 11 04 11 53.9–.10 36.23N 140.38E 65–1 3.0
IDC XII 11 04 11 54.7–2.4 36.09N 140.44E 80–20 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.9km az=9.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=27.9km s-min=8.9km az=65.0.
ISC XII 11 14 36 00.7–1.9 35.40N–.05 140.95E–.07 13–12 3.3b 22 0-59
IDC XII 11 14 35 59.1–1.1 35.33N 141.14E 0 3.6,3.5 **¶602391098**
ISCJB XII 11 14 36 00.5–1.1 35.45N–.04 141.1E–.10 24–7 3.4b,3.5
NIED XII 11 14 36 00 35.40N 141.00E 23 3.5W,3.5
JMA XII 11 14 36 02.3–.10 35.46N 140.95E 24–2 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=19.5km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=16.2km s-min=7.0km az=173.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ24.00000°,λ-89.00000°. NP2:ϕ_s57.00000°,δ66.00000°,λ-90.00000°. $M_0$2.35000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 11 15 48 32.2–.93 40.88N–.03 142.05E–.05 57–8 3.5b 42 1-72
NIED XII 11 15 48 00 40.90N 142.10E 47 3.6W **¶602391104**
ISCJB XII 11 15 48 31.2–.46 40.87N–.03 142.06E–.06 67–4 3.5b
JMA XII 11 15 48 31.7–.10 40.91N 142.11E 50–2 3.7
IDC XII 11 15 48 32.4–2.0 40.88N 142.22E 69–17 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ15.00000°,λ33.00000°. NP2:ϕ_s46.00000°,δ82.00000°,λ103.00000°. $M_0$2.58000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=18.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=13.1km az=100.0.
ISC XII 12 00 19 37.4–.41 36.97N–.03 141.39E–.05 20–3 4.7b,3.9s 304 0-152
NIED XII 12 00 19 00 37.00N 141.50E 8 4.5W,3.9s **¶602036416**
BJI XII 12 00 19 31.9 36.73N 141.48E 9 4.9b,4.6b
IDC XII 12 00 19 34.1–.45 36.98N 141.31E 0 4.5,4.5
JMA XII 12 00 19 36.3–.10 36.98N 141.43E 32–1 4.7,4.5
NEIC XII 12 00 19 37.8–1.1 36.99N 141.30E 22–7 4.7b,4.5
MOS XII 12 00 19 37.4–1.0 36.98N 141.28E 33 4.8b,4.5
ISCJB XII 12 00 19 37.6–.57 36.99N–.02 141.32E–.03 31–3 4.6b,4.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ54.00000°,λ-134.00000°. NP2:ϕ_s224.00000°,δ54.00000°,λ-47.00000°. $M_0$5.95000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s352.00000°,δ70.00000°,λ-134.00000°. NP2:ϕ_s242.00000°,δ47.00000°,λ-27.00000°. Principal axes: T Plg14.0000°,Azm112.0000°; N Plg41.0000°,Azm10.0000°; P Plg46.0000°,Azm217.0000°
NEIC Event type fe. Felt widely in eastern Honshu. Recorded [3 JMA] in Fukushima and Ibaraki.
ISCJB Event type fe.
ISC XII 12 00 55 05.2–1.7 35.16N–.03 140.96E–.05 19–6 4.3b 97 1-127
NIED XII 12 00 55 00 35.30N 141.00E 26 4.3W **¶602036418**
BJI XII 12 00 55 03.8 35.03N 140.85E 19 4.9b,4.7b
NEIC XII 12 00 55 06.9–2.0 35.14N 140.92E 31–14 4.4b,4.7b
JMA XII 12 00 55 06.6–.10 35.26N 141.01E 36–2 3.6,4.7b
IDC XII 12 00 55 10.6–1.7 35.14N 140.84E 61–15 4.1,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ24.00000°,λ-38.00000°. NP2:ϕ_s147.00000°,δ75.00000°,λ-109.00000°. $M_0$3.23000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.9km az=84.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=7.5km az=79.0.
ISC XII 12 09 23 00.2–1.1 36.73N–.04 140.63E–.04 5–9 3.9b 27 0-57
IDC XII 12 09 22 59.6–1.9 36.74N 140.62E 0 4.1,4.0b **¶602391172**
ISCJB XII 12 09 23 00.1–.61 36.69N–.03 140.67E–.06 11–3 4.0b,2.9s
NIED XII 12 09 23 00 36.70N 140.60E 5 3.9W,2.9s
JMA XII 12 09 23 00.7 36.70N 140.62E 6 3.6,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=24.8km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.7km az=18.4.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ34.00000°,λ-76.00000°. NP2:ϕ_s141.00000°,δ57.00000°,λ-99.00000°. $M_0$6.69000×10^{14}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s126.00000°,δ56.00000°,λ-113.00000°. NP2:ϕ_s343.00000°,δ41.00000°,λ-60.00000°. Principal axes: T Plg8.0000°,Azm232.0000°; N Plg19.0000°,Azm139.0000°; P Plg69.0000°,Azm344.0000°
ISC XII 12 10 48 15.8–.52 36.34N–.04 141.84E–.07 35–3 4.4b,3.8s 131 1-147
NIED XII 12 10 48 00 36.40N 141.80E 20 4.3W,3.8s **¶602037356**
BJI XII 12 10 48 06.0 36.40N 142.20E 5 4.7b,4.6b
MOS XII 12 10 48 13.4–.80 36.36N 141.96E 33 4.6b,4.6b
ISCJB XII 12 10 48 13.6–.63 36.35N–.02 141.88E–.05 34–5 4.3b,3.7s
JMA XII 12 10 48 14.1–.10 36.40N 141.81E 38–4 4.3,3.7s
IDC XII 12 10 48 15.9–3.8 36.36N 141.80E 35–29 4.1,4.0L
NEIC XII 12 10 48 15.9–.49 36.32N 141.84E 40–3 4.5b,4.0L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ18.00000°,λ119.00000°. NP2:ϕ_s15.00000°,δ75.00000°,λ81.00000°. $M_0$2.83000×10^{15}
MOS Error ellipse: s-maj=11.3km s-min=7.7km az=132.8.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=13.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=18.1km az=119.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=132.0.
ISC XII 12 16 02 54.3–1.8 36.64N–.04 141.07E–.08 30–12 3.8b 30 0-74
NIED XII 12 16 02 00 36.60N 141.00E 56 3.7W **¶602043234**
ISCJB XII 12 16 02 54.5–.69 36.62N–.04 141.06E–.08 49–5 3.7b
JMA XII 12 16 02 55.7 36.63N 140.96E 49–1 4.0
IDC XII 12 16 02 57.7–2.8 36.57N 140.96E 63–26 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ30.00000°,λ47.00000°. NP2:ϕ_s62.00000°,δ69.00000°,λ112.00000°. $M_0$4.46000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.8km az=13.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s69.00000°,δ57.00000°,λ118.00000°. NP2:ϕ_s204.00000°,δ42.00000°,λ54.00000°. Principal axes: T Plg65.0000°,Azm32.0000°; N Plg24.0000°,Azm233.0000°; P Plg8.0000°,Azm139.0000°
IDC Error ellipse: s-maj=23.6km s-min=11.6km az=58.0.
ISC XII 13 00 26 21.0–2.2 38.37N–.05 142.33E–.08 6–11 3.8b 23 1-62
NIED XII 13 00 26 00 38.40N 142.20E 11 3.4W **¶602391221**
IDC XII 13 00 26 25.1–2.2 37.83N 142.70E 0 3.7,3.6b
JMA XII 13 00 26 26.0–.10 38.45N 142.21E 29–2 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ40.00000°,λ-22.00000°. NP2:ϕ_s309.00000°,δ76.00000°,λ-127.00000°. $M_0$1.64000×10^{14}
IDC Error ellipse: s-maj=48.2km s-min=30.7km az=49.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 13 11 56 07.0–.55 35.61N–.04 140.16E–.04 70–4 4.6b 264 0-148
BJI XII 13 11 56 00.9 35.44N 140.63E 63 4.8b,4.6b **¶602043363**
NIED XII 13 11 56 00 35.70N 140.30E 62 4.4W,4.6b
JMA XII 13 11 56 05.9–.20 35.72N 140.21E 68–2 4.2,4.6b
ISCJB XII 13 11 56 06.1–.23 35.59N–.02 140.14E–.03 75–2 4.5b,4.6b
MOS XII 13 11 56 06.2–.93 35.59N 140.09E 76 4.8b,4.6b
NEIC XII 13 11 56 07.2–.41 35.58N 140.11E 72–3 4.6b,4.6b
IDC XII 13 11 56 07.8–1.7 35.60N 140.07E 77–14 4.3,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ32.00000°,λ109.00000°. NP2:ϕ_s358.00000°,δ60.00000°,λ78.00000°. $M_0$4.25000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ86.00000°,λ92.00000°. NP2: ϕ_s173.00000°,δ4.00000°,λ64.00000°. Principal axes: T Plg49.0000°,Azm292.0000°; N Plg2.0000°,Azm200.0000°; P Plg41.0000°,Azm108.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.8km az=167.8.
MOS Error ellipse: s-maj=9.8km s-min=5.8km az=122.5.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.5km az=109.0. Felt [III] at Tokyo. Felt widely in east-central Honshu.
IDC Error ellipse: s-maj=15.7km s-min=11.3km az=76.0.
ISC XII 13 19 06 59.7–1.2 38.85N–.05 141.69E–.08 78–7 31 0-59
IDC XII 13 19 06 46.5–3.0 39.23N 142.66E 0 3.5,3.4b **¶602391279**
ISCJB XII 13 19 06 59.3–.78 38.84N–.04 141.67E–.08 81–4 3.2b,3.4b
JMA XII 13 19 07 00.7 38.84N 141.59E 74–1 3.3,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=69.9km s-min=31.9km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=6.0km az=15.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s163.00000°,δ59.00000°,λ89.00000°. NP2:ϕ_s345.00000°,δ31.00000°,λ91.00000°. Principal axes: T Plg76.0000°,Azm71.0000°; N Plg1.0000°,Azm164.0000°; P Plg14.0000°,Azm254.0000°
ISC XII 13 23 14 16.7–.80 36.75N–.05 141.67E–.07 26 3.9b 33 1-83
NIED XII 13 23 14 00 36.80N 141.70E 35 4.1W **¶602090186**
JMA XII 13 23 14 17.0–.30 36.77N 141.70E 54–4 3.9
IDC XII 13 23 14 22.2–3.1 36.57N 141.57E 75–25 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ22.00000°,λ96.00000°. NP2:ϕ_s24.00000°,δ68.00000°,λ88.00000°. $M_0$1.73000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=16.7km az=84.0.
ISC XII 14 14 19 23.1–1.7 37.19N–.04 141.51E–.06 16–11 3.4b 30 1-57
IDC XII 14 14 19 25.9–4.5 37.19N 141.55E 35–38 3.5,3.5 **¶602391327**
JMA XII 14 14 19 25.9–.10 37.19N 141.41E 48–1 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=20.0km az=111.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 14 18 46 47.8–1.1 38.12N–.04 141.60E–.08 59–7 3.5b 43 0-62
ISCJB XII 14 18 46 46.6–.63 38.12N–.03 141.61E–.07 71–4 3.3b **¶602391339**
IDC XII 14 18 46 46.7–2.8 38.16N 141.74E 59–23 3.6,3.6L
JMA XII 14 18 46 48.4 38.12N 141.51E 63–1 3.9,3.6L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=4.8km az=21.7.
IDC Error ellipse: s-maj=41.5km s-min=18.7km az=81.0.
JMA Event type fe.
ISC XII 14 20 19 41.8–1.7 37.49N–.04 141.93E–.06 12–10 3.7b 38 1-77

NIED XII 14 20 19 00 37.40N 142.00E 5 3.7W **¶602391343**
IDC XII 14 20 19 40.0–.84 37.52N 141.94E 0 3.8,3.6
ISCJB XII 14 20 19 41.1–1.0 37.43N–.04 142.02E–.05 20–6 3.6b,3.6
JMA XII 14 20 19 42.0–.10 37.43N 141.96E 24–2 4.1,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ37.00000°,λ-139.00000°. NP2:ϕ_s86.00000°,δ67.00000°,λ-61.00000°. $M_0$3.40000×10^{14}
IDC Error ellipse: s-maj=20.9km s-min=18.0km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=30.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 14 20 37 16.3–.31 38.64N–.04 142.50E–.04 35–3 4.8b,4.2s 574 1-151
NIED XII 14 20 37 00 38.60N 142.40E 44 4.9W,4.2s **¶602043598**
JMA XII 14 20 37 16.7–.10 38.65N 142.46E 40–2 4.8,4.2s
GCMT XII 14 20 37 16.9–.40 38.68N–.03 142.35E–.04 38–1 4.9W,4.2s
MOS XII 14 20 37 16.3–.91 38.87N 142.35E 36 5.0b,4.0s
ISCJB XII 14 20 37 17.3–.35 38.70N–.02 142.34E–.03 50–3 4.8b,4.1s
NEIC XII 14 20 37 18.9–.42 38.66N 142.30E 54–3 4.8b,4.1s
BJI XII 14 20 37 18.3 38.67N 142.15E 54 5.1b,4.7b
IDC XII 14 20 37 18.6–1.8 38.64N 142.37E 53–16 4.5,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ26.00000°,λ101.00000°. NP2:ϕ_s227.00000°,δ64.00000°,λ85.00000°. $M_0$2.20000×10^{16}
JMA Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s57,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.17 $M_{\theta\theta}$-1.65±.10; $M_{\phi\phi}$-0.99±.12; $M_{r\theta}$-1.02±.09; $M_{\theta\phi}$-1.16±.07; $M_{\phi r}$-1.35±.09; Best double couple: NP1:ϕ_s225.00000°,δ62.00000°,λ82.00000°. NP2:ϕ_s60.00000°,δ29.00000°,λ104.00000°. Principal axes: T 3.1700,Plg72.0000° ,Azm117.0000°; N -0.1720,Plg7.0000°,Azm228.0000°; P -3.0040,Plg16.0000° ,Azm320.0000° $M_0$3.08700×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=4.2km az=87.4.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=149.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=144.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.1km s-min=9.3km az=110.0.
ISC XII 14 22 16 37.4–2.3 38.67N–.06 142.60E–.09 23–15 3.7b 29 1-63
NIED XII 14 22 16 00 38.70N 142.50E 53 3.6W **¶602391350**
IDC XII 14 22 16 33.2–1.8 38.71N 142.81E 0 3.5,3.5b
JMA XII 14 22 16 40.3–.10 38.66N 142.44E 39–2 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ37.00000°,λ100.00000°. NP2:ϕ_s213.00000°,δ54.00000°,λ82.00000°. $M_0$2.88000×10^{14}
IDC Error ellipse: s-maj=46.8km s-min=20.8km az=72.0.
JMA Event type fe.
JMA XII 14 23 59 27.6–.10 37.22N 141.55E 65–1 3.7
¶606071193
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 04 27 01.9–.26 37.35N–.03 141.31E–.03 61–2 5.2b 1318 0-162
BJI XII 15 04 26 59.5 37.34N 141.24E 59 5.4b,5.4b **¶602043656**
MOS XII 15 04 27 00.6–.93 37.41N 141.27E 56 5.5b,4.1s
NIED XII 15 04 27 00 37.30N 141.40E 59 5.2W,4.1s
JMA XII 15 04 27 01.6–.10 37.30N 141.35E 59–1 5.3,4.1s
ISCJB XII 15 04 27 01.8–.20 37.32N–.02 141.23E–.02 68–1 5.1b,4.1s
IDC XII 15 04 27 02.1–.31 37.30N 141.15E 59–2 5.2,5.0
NEIC XII 15 04 27 02.3–.22 37.31N 141.21E 63–2 5.2b,5.0
GCMT XII 15 04 27 03.3–.20 37.37N–.01 141.23E–.02 59–2 5.2W,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ17.00000°,λ130.00000°. NP2:ϕ_s206.00000°,δ77.00000°,λ79.00000°. $M_0$7.61000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Sendai and [II] at Tokyo. Felt in much of east-central and northern Honshu. Recorded [4 JMA] in Fukushima and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c122; s93,c153;Duration: 1$\Downarrow$0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.24 $M_{\theta\theta}$-1.54±.23; $M_{\phi\phi}$-1.78±.24; $M_{r\theta}$-3.87±.19; $M_{\theta\phi}$-2.89±.18; $M_{\phi r}$-6.92±.20; Best double couple: NP1:ϕ_s210.00000°,δ77.00000°,λ81.00000°. NP2:ϕ_s65.00000°,δ15.00000°,λ124.00000°. Principal axes: T 8.4150,Plg57.0000° ,Azm109.0000°; N 0.9290,Plg8.0000°,Azm212.0000°; P -9.3440,Plg32.0000°,Azm307.0000° $M_0$8.88000×10^{16}
ISC XII 15 05 46 12.1–.75 36.82N–.03 141.22E–.04 26–5 4.8b 530 0-152
NIED XII 15 05 46 00 36.80N 141.30E 8 4.7W **¶602043667**
BJI XII 15 05 46 10.7 36.60N 141.25E 40 5.3b,4.8b
JMA XII 15 05 46 10.3–.10 36.82N 141.21E 32–1 5.0,4.8b
ISCJB XII 15 05 46 11.6–.44 36.83N–.02 141.10E–.02 29–3 4.7b,4.2s
IDC XII 15 05 46 13.6–3.3 36.83N 141.06E 36–27 4.6,4.5
NEIC XII 15 05 46 13.9–.10 36.82N 141.03E 35 4.8b,4.5
MOS XII 15 05 46 14.3–.88 37.23N 141.01E 37 5.0b,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ36.00000°,λ-43.00000°. NP2:ϕ_s171.00000°,δ67.00000°,λ-118.00000°. $M_0$1.32000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s12.00000°,δ63.00000°,λ-86.00000°. NP2:ϕ_s183.00000°,δ27.00000°,λ-98.00000°. Principal axes: T Plg18.0000°,Azm99.0000°; N Plg4.0000°,Azm190.0000°; P Plg72.0000° ,Azm292.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=41.5.
IDC Error ellipse: s-maj=13.4km s-min=11.8km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=145.0. Felt from Sendai to Tokyo and from Maebashi to Hitachi. Recorded [4 JMA] in Ibaraki.
MOS Error ellipse: s-maj=6.8km s-min=5.1km az=97.6.
ISC XII 15 18 35 09.8–.97 35.47N–.04 140.06E–.05 71–7 3.3b 34 0-55
ISCJB XII 15 18 35 08.8–.55 35.46N–.03 140.07E–.05 74–4 3.1b **¶602391403**
IDC XII 15 18 35 09.1–5.2 35.42N 140.20E 61–31 3.5L,3.3
JMA XII 15 18 35 09.3–.20 35.50N 140.07E 69–2 2.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=149.2.
IDC Error ellipse: s-maj=86.1km s-min=13.7km az=74.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 16 01 19 38.0–1.1 36.98N–.05 140.71E–.04 8–9 24 0-57
IDC XII 16 01 19 37.5–2.5 36.82N 140.74E 0 3.7,3.7b **¶602391433**
ISCJB XII 16 01 19 38.0–.58 37.00N–.03 140.71E–.05 11–4 3.8b,3.7b
JMA XII 16 01 19 38.5 37.00N 140.67E 7–1 3.4,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=26.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=15.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ80.00000°,λ-91.00000°. NP2:ϕ_s66.00000°,δ10.00000°,λ-85.00000°. Principal axes: T Plg35.0000°,Azm331.0000°; N Plg1.0000°,Azm240.0000°; P Plg55.0000° ,Azm149.0000°
ISC XII 16 01 40 25.5–.70 35.56N–.04 140.18E–.05 71–6 3.8b 46 0-92
ISCJB XII 16 01 40 24.4–.37 35.55N–.04 140.17E–.05 75–3 3.8b **¶602391434**
JMA XII 16 01 40 25.0–.20 35.64N 140.19E 65–2 3.3
IDC XII 16 01 40 25.5–1.3 35.52N 140.16E 70–12 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.1km az=151.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ89.00000°,λ89.00000°. NP2: ϕ_s267.00000°,δ2.00000°,λ146.00000°. Principal axes: T Plg46.0000°,Azm299.0000° ; N Plg1.0000°,Azm31.0000°; P Plg44.0000°,Azm122.0000°
IDC Error ellipse: s-maj=16.9km s-min=6.6km az=66.0.
ISC XII 16 02 17 29.4–.76 35.57N–.04 140.17E–.04 68–6 3.7b 36 0-79
ISCJB XII 16 02 17 28.2–.39 35.56N–.03 140.18E–.05 74–3 3.6b **¶602391437**
JMA XII 16 02 17 28.6–.20 35.64N 140.18E 66–2 3.2
IDC XII 16 02 17 29.6–2.0 35.52N 140.13E 70–18 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=164.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s16.00000°,δ89.00000°,λ88.00000°. NP2: ϕ_s259.00000°,δ2.00000°,λ153.00000°. Principal axes: T Plg46.0000°,Azm284.0000° ; N Plg2.0000°,Azm16.0000°; P Plg44.0000°,Azm108.0000°
IDC Error ellipse: s-maj=28.2km s-min=11.4km az=74.0.

ISC XII 16 15 05 51.4–1.2 36.41N–.04 141.76E–.08 19 3.4b 23 1-56
JMA XII 16 15 05 50.3–.30 36.41N 141.85E 19 3.3 **¶602391472**
IDC XII 16 15 05 50.5–2.6 36.51N 141.44E 0 3.6,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=59.8km s-min=27.6km az=68.0.
ISC XII 17 06 16 49.4–2.0 38.30N–.04 142.13E–.06 13–12 3.4b 37 1-89
NIED XII 17 06 16 00 38.40N 142.20E 32 3.7W **¶602391524**
IDC XII 17 06 16 47.7–.73 38.25N 142.42E 0 3.8,3.7
ISCJB XII 17 06 16 49.1–1.1 38.34N–.04 142.22E–.06 20–7 3.6b,3.7
JMA XII 17 06 16 50.8–.10 38.41N 142.16E 31–1 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ53.00000°,λ-144.00000°. NP2:ϕ_s183.00000°,δ62.00000°,λ-43.00000°. $M_0$3.90000×10^{14}
IDC Error ellipse: s-maj=24.4km s-min=16.3km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=15.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 17 08 01 17.2–.94 35.79N–.03 140.82E–.06 11–6 3.5b 27 0-65
NIED XII 17 08 01 00 35.80N 141.00E 8 3.6W **¶602391528**
ISCJB XII 17 08 01 16.9–.77 35.83N–.02 140.89E–.05 13–3 3.4b
JMA XII 17 08 01 17.0–.10 35.81N 140.89E 10–1 3.6
IDC XII 17 08 01 17.9–1.4 36.14N 140.77E 0 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ34.00000°,λ-58.00000°. NP2:ϕ_s159.00000°,δ62.00000°,λ-110.00000°. $M_0$3.00000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=177.0.
JMA Event type fe.
IDC Error ellipse: s-maj=34.5km s-min=24.1km az=170.0.
ISC XII 17 17 24 22.8–2.2 36.94N–.06 141.51E–.08 7–11 22 1-57
ISCJB XII 17 17 24 23.0–1.4 36.91N–.05 141.54E–.07 16–8 3.2b **¶602391555**
IDC XII 17 17 24 22.3–2.8 36.96N 141.51E 0 3.3,3.2b
JMA XII 17 17 24 24.0–.10 36.91N 141.46E 31–1 3.0,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.0km az=29.8.
IDC Error ellipse: s-maj=53.4km s-min=36.5km az=33.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 17 18 46 10.5–2.2 36.88N–.03 141.25E–.04 15–14 4.8b 341 0-152
NIED XII 17 18 46 00 36.90N 141.30E 5 4.7W **¶602046730**
BJI XII 17 18 46 07.8 36.33N 141.25E 22 5.0s,4.9
IDC XII 17 18 46 08.5–.44 36.86N 141.13E 0 4.7,4.6
JMA XII 17 18 46 09.7–.10 36.85N 141.35E 29–1 4.9,4.6
ISCJB XII 17 18 46 10.5–.59 36.84N–.02 141.28E–.03 25–3 4.8b,4.1s
MOS XII 17 18 46 12.1–1.1 36.92N 141.14E 33 5.0b,4.1s
NEIC XII 17 18 46 12.7–1.3 36.84N 141.18E 27–9 4.9b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ48.00000°,λ-61.00000°. NP2:ϕ_s181.00000°,δ49.00000°,λ-118.00000°. $M_0$1.09000×10^{16}
IDC Error ellipse: s-maj=13.5km s-min=10.3km az=99.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.4km az=25.5.
MOS Error ellipse: s-maj=8.1km s-min=5.3km az=117.1.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=133.0. Recorded [2 JMA] in Fukushima and Miyagi.
ISC XII 17 19 18 15.5–3.1 38.03N–.07 142.95E–.08 8–16 3.5b 24 1-58
JMA XII 17 19 18 09.6–.10 37.85N 143.43E 39 3.2 **¶602391566**
IDC XII 17 19 18 14.8–1.6 37.95N 142.89E 0 3.4,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=42.2km s-min=31.8km az=123.0.
ISC XII 17 21 11 20.0–1.3 40.15N–.03 141.83E–.05 1–9 3.5b 28 0-64
NIED XII 17 21 11 00 40.10N 141.80E 5 3.5W **¶602391571**
ISCJB XII 17 21 11 19.6–.60 40.13N–.02 141.81E–.06 10–3 3.5b
JMA XII 17 21 11 20.0 40.13N 141.79E 6–1 3.5
IDC XII 17 21 11 25.5–2.2 40.14N 142.01E 54–18 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ26.00000°,λ-123.00000°. NP2:ϕ_s266.00000°,δ68.00000°,λ-75.00000°. $M_0$2.26000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=168.0.
JMA Event type fe.
IDC Error ellipse: s-maj=28.3km s-min=10.9km az=105.0.
JMA XII 17 22 51 39.6–.10 39.43N 142.43E 33–1 2.3
¶607215286
ISC XII 17 23 11 14.6–1.3 35.83N–.04 140.93E–.08 16–6 22 0-56
ISCJB XII 17 23 11 12.9–1.2 35.84N–.04 141.08E–.07 12–5 3.2b **¶602391576**
IDC XII 17 23 11 12.7–3.6 35.62N 140.89E 0 3.4,3.2
JMA XII 17 23 11 14.5–.20 35.83N 140.97E 15–1 3.5,3.2
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=6.0km az=176.4.
IDC Error ellipse: s-maj=99.8km s-min=29.4km az=48.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 18 01 21 27.9–.10 38.45N 142.18E 29–2 3.5
¶606074846
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 18 10 25 48.7–.58 38.37N–.04 141.80E–.04 46–4 4.6b,3.8s 245 0-146
NIED XII 18 10 25 00 38.30N 141.90E 50 4.6W,3.8s **¶602046755**
ISCJB XII 18 10 25 47.4–.40 38.27N–.02 141.89E–.04 53–3 4.5b,3.7s
MOS XII 18 10 25 48.6–.83 38.53N 141.71E 47 4.9b,3.7s
JMA XII 18 10 25 48.4–.10 38.30N 141.89E 46–1 4.5,3.7s
NEIC XII 18 10 25 48.5–.91 38.60N 140.51E 74–9 4.4b,3.7s
IDC XII 18 10 25 50.0–1.6 38.33N 141.89E 58–13 4.4,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ21.00000°,λ94.00000°. NP2:ϕ_s23.00000°,δ69.00000°,λ88.00000°. $M_0$7.60000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.5km az=31.0.
MOS Error ellipse: s-maj=8.5km s-min=5.5km az=99.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.1km az=130.0. Recorded [3 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=13.9km s-min=8.7km az=122.0.
ISC XII 18 20 31 38.9–.77 35.67N–.04 140.68E–.06 52–6 3.8b 35 0-148
NIED XII 18 20 31 00 35.70N 140.70E 50 4.0W **¶602090200**
ISCJB XII 18 20 31 37.5–.47 35.66N–.04 140.72E–.06 58–3 3.7b,3.4s
JMA XII 18 20 31 38.4–.10 35.70N 140.63E 50–2 3.6,3.4s
IDC XII 18 20 31 40.7–2.1 35.55N 140.50E 70–18 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ13.00000°,λ114.00000°. NP2:ϕ_s7.00000°,δ78.00000°,λ85.00000°. $M_0$1.18000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.9km az=162.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s9.00000°,δ83.00000°,λ90.00000°. NP2: ϕ_s189.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm279.0000° ; N Plg0.0000°,Azm9.0000°; P Plg38.0000°,Azm99.0000°
IDC Error ellipse: s-maj=25.0km s-min=7.7km az=68.0.
ISC XII 18 21 47 45.3–.78 39.71N–.03 142.28E–.07 21–4 3.7b 35 0-67
NIED XII 18 21 47 00 39.80N 142.30E 23 3.7W **¶602391630**
JMA XII 18 21 47 46.6 39.76N 142.29E 33–1 3.8
IDC XII 18 21 47 50.1–2.3 39.83N 142.25E 61–20 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ32.00000°,λ-124.00000°. NP2:ϕ_s79.00000°,δ64.00000°,λ-71.00000°. $M_0$3.94000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=12.1km az=115.0.
ISC XII 19 02 35 35.2–.52 36.28N–.05 141.82E–.06 21–4 4.6b 132 1-147
NIED XII 19 02 35 00 36.40N 141.80E 11 4.5W **¶602051800**
IDC XII 19 02 35 31.6–.67 36.24N 141.81E 0 4.4,4.4b
NEIC XII 19 02 35 34.3–1.9 36.25N 141.83E 16–12 4.7b,4.4b
ISCJB XII 19 02 35 35.1–.63 36.28N–.03 141.82E–.04 34–5 4.6b,3.9s
JMA XII 19 02 35 35.3–.20 36.33N 141.79E 54–5 4.6,3.9s
BJI XII 19 02 35 38.2 36.31N 141.07E 21 4.8b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ20.00000°,λ53.00000°. NP2:ϕ_s29.00000°,δ74.00000°,λ102.00000°. $M_0$6.11000×10^{15}

IDC Error ellipse: s-maj=16.8km s-min=15.8km az=156.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.3km az=128.0. Recorded [1 JMA] in Fukushima, Ibaraki, Miyagi and Tochigi.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.1km az=26.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**19 04 53 31.0–1.1**	**36.02N–.06**	**140.16E–.07**	**98–8**	**3.4b**	**20**	**0-56**
ISCJB	XII	19 04 53 30.1–.80	36.00N–.06	140.17E–.08	103–5	3.3b		**¶602391653**
JMA	XII	19 04 53 31.9–.10	36.06N	140.10E	91–1	2.7		
IDC	XII	19 04 53 31.9–5.2	35.87N	140.05E	103–31	3.4,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=10.1km az=1.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=77.7km s-min=26.9km az=62.0.

ISC	**XII**	**19 08 06 25.6–1.9**	**39.00N–.05**	**142.37E–.10**	**31–12**	**3.5b**	**24**	**1-62**
IDC	XII	19 08 06 21.2–1.3	38.68N	143.08E	0	3.6,3.3		**¶602391660**
ISCJB	XII	19 08 06 23.5–1.4	38.94N–.04	142.49E–.09	24–8	3.3b,3.3		
JMA	XII	19 08 06 24.7–.10	38.98N	142.45E	32–2	3.4,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=24.8km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.0km az=14.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA	**XII**	**19 11 47 51.6–.10**	**38.35N**	**142.18E**	**36–1**	**3.6**		
								¶606075258

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XII**	**19 19 26 34.0–1.5**	**37.47N–.04**	**141.44E–.06**	**10–8**	**4.2b**	**52**	**0-146**
NIED	XII	19 19 26 00	37.50N	141.40E	11	4.1W		**¶602090205**
ISCJB	XII	19 19 26 33.3–1.0	37.44N–.03	141.54E–.06	18–6	4.1b,3.2s		
JMA	XII	19 19 26 35.2–.10	37.46N	141.40E	26–1	4.3,3.2s		
NEIC	XII	19 19 26 36.8–4.3	37.42N	141.55E	33–26	4.5b,3.2s		
IDC	XII	19 19 26 37.9–3.9	37.41N	141.37E	35–32	3.9,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ61.00000°,λ-32.00000°. NP2:ϕ_s317.00000°,δ63.00000°,λ-147.00000°. $M_0$1.64000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.5km az=21.5.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=45.5km s-min=13.6km az=126.0. Recorded [2 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=22.5km s-min=15.2km az=90.0.

ISC	**XII**	**19 20 16 28.1–.64**	**36.15N–.04**	**140.31E–.04**	**73–5**	**4.5b**	**168**	**0-148**
NIED	XII	19 20 16 00	36.20N	140.30E	71	4.4W		**¶602052566**
BJI	XII	19 20 16 19.8	35.83N	140.41E	34	4.8b,4.8b		
MOS	XII	19 20 16 27.5–1.0	36.41N	140.24E	75	4.9b,4.8b		
ISCJB	XII	19 20 16 27.1–.30	36.12N–.03	140.31E–.04	82–2	4.4b,4.8b		
NEIC	XII	19 20 16 28.3–.62	36.16N	140.31E	76–5	4.8b,4.8b		
JMA	XII	19 20 16 28.0–.10	36.17N	140.33E	74–1	4.2,4.8b		
IDC	XII	19 20 16 28.7–1.4	36.07N	140.22E	80–14	4.3,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ30.00000°,λ96.00000°. NP2:ϕ_s188.00000°,δ60.00000°,λ87.00000°. $M_0$3.77000×10^{15}
MOS Error ellipse: s-maj=9.3km s-min=6.7km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.4km az=137.2.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=145.0. Recorded [3 JMA] in Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s178.00000°,δ61.00000°,λ77.00000°. NP2: ϕ_s24.00000°,δ32.00000°,λ113.00000°. Principal axes: T Plg71.0000°,Azm58.0000° ; N Plg12.0000°,Azm185.0000°; P Plg15.0000°,Azm278.0000°
IDC Error ellipse: s-maj=13.3km s-min=10.2km az=72.0.

ISC	**XII**	**20 00 17 48.5–3.5**	**39.12N–.05**	**142.54E–.07**	**10–22**	**3.5b**	**31**	**1-76**
NIED	XII	20 00 17 00	39.10N	142.40E	26	4.0W		**¶602391696**
ISCJB	XII	20 00 17 49.7–1.1	39.07N–.04	142.50E–.06	24–6	3.5b,3.0s		
JMA	XII	20 00 17 51.1–.10	39.09N	142.42E	33–1	3.6,3.0s		
IDC	XII	20 00 17 55.5–2.8	38.92N	142.52E	63–27	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s282.00000°,δ41.00000°,λ-139.00000°. NP2:ϕ_s158.00000°,δ64.00000°,λ-57.00000°. $M_0$1.05000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=21.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=30.8km s-min=11.6km az=114.0.

ISC	**XII**	**20 08 27 38.2–2.4**	**38.18N–.05**	**142.26E–.10**	**5–13**	**3.6b**	**28**	**1-62**
JMA	XII	20 08 27 43.9–.10	38.22N	141.99E	43–1	3.3		**¶602391717**
IDC	XII	20 08 27 46.3–8.8	38.18N	142.14E	71–69	3.4,3.4		

ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=63.6km s-min=28.2km az=71.0.

ISC	**XII**	**20 15 22 10.0–1.2**	**35.60N–.04**	**141.06E–.08**	**28–7**	**3.4b**	**22**	**0-56**
IDC	XII	20 15 22 06.3–1.6	35.57N	141.14E	0	3.5,3.4b		**¶602391737**
ISCJB	XII	20 15 22 08.8–1.1	35.59N–.03	141.16E–.09	31–5	3.4b,3.4b		
JMA	XII	20 15 22 10.1–.20	35.59N	141.06E	29–1	2.9,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=28.6km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.7km az=175.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**20 15 31 14.8–.81**	**37.08N–.04**	**141.21E–.06**	**54–6**	**4.4b**	**103**	**0-147**
NIED	XII	20 15 31 00	37.10N	141.20E	56	4.0W		**¶602052926**
BJI	XII	20 15 31 13.0	37.13N	141.25E	60	4.9b,4.6s		
ISCJB	XII	20 15 31 13.3–.48	37.08N–.03	141.23E–.05	57–3	4.6s,4.4b		
NEIC	XII	20 15 31 14.4–.58	37.05N	141.26E	55–5	4.8b,4.4b		
JMA	XII	20 15 31 15.2–.10	37.11N	141.11E	53–1	4.1,4.4b		
IDC	XII	20 15 31 15.9–1.8	37.08N	141.24E	62–16	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ97.00000°. NP2:ϕ_s24.00000°,δ66.00000°,λ87.00000°. $M_0$1.25000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.3km az=22.2.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=107.0. Recorded [3 JMA] in Fukushima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s28.00000°,δ72.00000°,λ88.00000°. NP2: ϕ_s213.00000°,δ18.00000°,λ95.00000°. Principal axes: T Plg63.0000°,Azm295.0000° ; N Plg2.0000°,Azm28.0000°; P Plg27.0000°,Azm119.0000°
IDC Error ellipse: s-maj=14.9km s-min=10.8km az=84.0.

ISC	**XII**	**21 05 43 12.0–2.0**	**38.03N–.05**	**141.97E–.09**	**26–12**		**31**	**0-58**
NIED	XII	21 05 43 00	38.00N	141.80E	38	3.8W		**¶602391783**
IDC	XII	21 05 43 06.5–2.9	38.08N	142.47E	0	3.7,3.7L		
ISCJB	XII	21 05 43 13.3–1.0	38.01N–.04	141.87E–.08	44–10	3.4b,3.7L		
JMA	XII	21 05 43 13.7–.10	38.00N	141.82E	45–1	3.9,3.7L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ63.00000°,λ18.00000°. NP2:ϕ_s274.00000°,δ74.00000°,λ152.00000°. $M_0$5.09000×10^{14}
IDC Error ellipse: s-maj=67.4km s-min=36.7km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=6.2km az=22.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XII**	**21 07 42 23.8–1.6**	**37.74N–.04**	**141.75E–.08**	**30–11**	**3.5b**	**34**	**1-62**
IDC	XII	21 07 42 18.4–2.7	37.68N	142.20E	0	3.6,3.4b		**¶602391787**
JMA	XII	21 07 42 25.2	37.78N	141.69E	48–1	3.8,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=68.2km s-min=31.1km az=55.0.
JMA Event type fe.

ISC	**XII**	**21 08 07 19.0–.48**	**38.66N–.03**	**141.89E–.03**	**45–4**	**5.0b,4.3s**	**713**	**0-147**
NIED	XII	21 08 07 00	38.60N	141.90E	56	5.1W,4.3s		**¶604724452**
BJI	XII	21 08 07 14.1	38.61N	142.09E	36	5.1b,5.0b		
MOS	XII	21 08 07 15.8–1.0	38.68N	141.80E	28	5.3b,4.1s		
ISCJB	XII	21 08 07 19.3–.22	38.66N–.02	141.74E–.02	56–1	5.0b,4.3s		
JMA	XII	21 08 07 19.6	38.64N	141.81E	48–1	5.2,4.3s		
IDC	XII	21 08 07 20.5–1.8	38.65N	141.72E	56–16	4.7,4.6L		
NEIC	XII	21 08 07 20.3–.41	38.63N	141.71E	50–3	5.0b,4.6L		
GCMT	XII	21 08 07 21.3–.20	38.59N–.01	141.75E–.02	49–1	5.1W,4.6L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ73.00000°,λ163.00000°. NP2:ϕ_s95.00000°,δ73.00000°,λ18.00000°. $M_0$4.79000×10^{16}
ISCJB Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s0.00000°,δ73.00000°,λ147.00000°. NP2:ϕ_s101.00000°,δ59.00000°,λ20.00000°. Principal axes: T Plg35.0000°,Azm317.0000°; N Plg54.0000°,Azm155.0000°; P Plg9.0000° ,Azm53.0000°
NEIC Event type fe. Felt [III] in Sendai and [II] at Misawa. Felt from Hachinohe to Inashiki and from Sakata to Ishinomaki. Recorded [4 JMA] in Iwate and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c63; s72,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.95±.20 $M_{\theta\theta}$-0.03±.15; $M_{\phi\phi}$-0.92±.15; $M_{r\theta}$1.02±.15; $M_{\theta\phi}$4.97±.12; $M_{\phi r}$1.16±.14; Best double couple: NP1:ϕ_s1.00000°,δ77.00000°,λ164.00000°. NP2:ϕ_s94.00000°,δ75.00000°,λ14.00000°. Principal axes: T 5.0860,Plg20.0000° ,Azm317.0000°; N 0.3820,Plg70.0000°,Azm142.0000°; P -5.4690,Plg2.0000°,Azm48.0000° $M_0$5.27700×10^{16}

ISC	**XII**	**21 12 52 32.6–1.3**	**38.48N–.04**	**142.04E–.09**	**47–11**	**3.8b**	**59**	**0-89**
NIED	XII	21 12 52 00	38.50N	142.00E	53	3.7W		**¶602391760**
ISCJB	XII	21 12 52 31.5–.60	38.46N–.03	142.05E–.07	55–4	3.7b		
NEIC	XII	21 12 52 32.7–.72	38.44N	142.16E	53–6	4.2b		
IDC	XII	21 12 52 33.2–2.2	38.40N	142.06E	58–21	3.8,3.8L		
JMA	XII	21 12 52 33.1	38.50N	141.93E	55–1	3.9,3.8L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ42.00000°,λ144.00000°. NP2:ϕ_s169.00000°,δ67.00000°,λ54.00000°. $M_0$4.53000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=15.5.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.9km az=111.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=20.5km s-min=14.9km az=106.0.
JMA Event type fe.

ISC	**XII**	**21 23 59 09.6–2.3**	**37.15N–.05**	**141.46E–.09**	**25–15**		**25**	**1-57**
IDC	XII	21 23 59 06.6–2.5	36.91N	141.54E	0	3.4,3.3b		**¶602391836**
ISCJB	XII	21 23 59 10.9–1.2	37.16N–.05	141.42E–.08	33–16	3.1b,3.3b		
JMA	XII	21 23 59 11.5–.10	37.19N	141.34E	48–1	3.5,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=48.3km s-min=30.0km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.9km az=23.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**22 02 36 46.2–.75**	**35.23N–.04**	**140.24E–.05**	**35**	**4.2b**	**46**	**0-70**
NIED	XII	22 02 36 00	35.20N	140.30E	32	3.9W		**¶602320553**
IDC	XII	22 02 36 39.5–1.6	35.37N	140.69E	0	4.0,4.0		
ISCJB	XII	22 02 36 45.6–.38	35.22N–.03	140.21E–.05	35	4.1b,4.0		
NEIC	XII	22 02 36 45.9–1.8	35.27N	140.38E	38–11	4.4b,4.0		
JMA	XII	22 02 36 46.7–.10	35.28N	140.19E	35–2	3.7,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ52.00000°,λ-38.00000°. NP2:ϕ_s12.00000°,δ61.00000°,λ-135.00000°. $M_0$7.63000×10^{14}
IDC Error ellipse: s-maj=56.3km s-min=16.7km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.8km az=156.9.
NEIC Event type fe. Error ellipse: s-maj=28.6km s-min=5.4km az=70.0. Recorded [2 JMA] in Chiba.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s257.00000°,δ71.00000°,λ-53.00000°. NP2: ϕ_s10.00000°,δ41.00000°,λ-150.00000°. Principal axes: T Plg18.0000°,Azm320.0000° ; N Plg35.0000°,Azm63.0000°; P Plg50.0000°,Azm208.0000°

JMA	**XII**	**22 04 12 17.8**	**36.90N**	**140.71E**	**7–1**	**2.5**		
								¶606076190
ISC	**XII**	**22 06 32 48.7–2.1**	**38.40N–.04**	**142.02E–.07**	**28–14**	**3.3b**	**40**	**0-68**
NIED	XII	22 06 32 00	38.40N	142.00E	47	3.7W		**¶602391854**
JMA	XII	22 06 32 49.8–.10	38.45N	142.01E	43–1	3.9		
IDC	XII	22 06 32 50.5–2.2	38.37N	142.10E	49–19	3.6L,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ17.00000°,λ-175.00000°. NP2:ϕ_s183.00000°,δ89.00000°,λ-73.00000°. $M_0$4.44000×10^{14}
JMA Event type fe.
IDC Error ellipse: s-maj=24.4km s-min=11.3km az=114.0.

ISC	**XII**	**22 10 29 02.6–2.1**	**35.36N–.04**	**141.88E–.08**	**15–11**	**3.4b**	**25**	**1-59**
JMA	XII	22 10 29 01.6–.20	35.35N	142.02E	49	3.0		**¶606076278**
IDC	XII	22 10 29 14.5–1.3	34.18N	138.13E	0	3.4,3.2		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=40.3km s-min=21.7km az=64.0.

ISC	**XII**	**22 13 36 44.4–2.2**	**35.67N–.07**	**141.1E–.10**	**11–11**		**15**	**0-59**
IDC	XII	22 13 36 37.9–4.4	35.26N	141.29E	0	3.4,3.3b		**¶602391868**
ISCJB	XII	22 13 36 44.3–1.7	35.66N–.06	141.1E–.10	10–6	3.3b,3.3b		
JMA	XII	22 13 36 46.3–.20	35.64N	140.97E	15–1	3.2,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=112.2km s-min=27.2km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=7.8km az=150.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**22 19 52 06.0–2.0**	**37.26N–.05**	**141.82E–.07**	**4–12**	**3.5b**	**29**	**1-57**
IDC	XII	22 19 52 05.8–1.3	37.18N	142.03E	0	3.6,3.6		**¶602391884**
JMA	XII	22 19 52 09.6–.20	37.30N	141.87E	41–3	3.5,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=20.5km az=115.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**24 03 13 32.2–.96**	**35.94N–.04**	**140.15E–.06**	**69–8**	**3.6b**	**29**	**0-56**
IDC	XII	24 03 13 20.7–2.2	36.34N	141.04E	0	3.8L,3.7		**¶602391963**
ISCJB	XII	24 03 13 31.6–.57	35.93N–.04	140.13E–.06	76–4	3.4b,3.7		
JMA	XII	24 03 13 33.1–.10	35.99N	140.09E	62–1	3.3,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=57.8km s-min=22.2km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.9km az=167.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s1.00000°,δ65.00000°,λ82.00000°. NP2: ϕ_s199.00000°,δ26.00000°,λ107.00000°. Principal axes: T Plg69.0000°,Azm255.0000° ; N Plg7.0000°,Azm4.0000°; P Plg20.0000°,Azm97.0000°

ISC	**XII**	**24 16 58 29.3–1.5**	**35.66N–.05**	**141.05E–.10**	**18–6**	**3.4b**	**17**	**0-56**
IDC	XII	24 16 58 26.3–3.0	35.70N	141.20E	0	3.5,3.5		**¶602392006**
ISCJB	XII	24 16 58 29.2–1.3	35.67N–.06	141.1E–.10	25–6	3.5s,3.2b		
JMA	XII	24 16 58 30.6–.20	35.65N	140.97E	16–1	3.1,3.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=95.2km s-min=27.7km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=8.2km az=156.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**24 21 54 47.8–1.6**	**36.96N–.04**	**141.41E–.05**	**5–9**	**3.8b,3.2s**	**41**	**1-90**
NIED	XII	24 21 54 00	36.90N	141.40E	5	3.9W,3.2s		**¶602392021**
ISCJB	XII	24 21 54 47.9–.94	36.91N–.03	141.47E–.06	19–6	3.9b,3.2s		
JMA	XII	24 21 54 48.5–.10	36.91N	141.42E	31–1	4.2,3.2s		
IDC	XII	24 21 54 53.5–2.2	36.88N	141.37E	50–21	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ42.00000°,λ-80.00000°. NP2:ϕ_s14.00000°,δ49.00000°,λ-99.00000°. $M_0$9.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.7km az=11.4.
JMA Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=12.9km az=67.0.

ISC	**XII**	**25 12 20 42.5–2.0**	**39.14N–.05**	**142.46E–.10**	**31–12**		**24**	**1-59**
IDC	XII	25 12 20 29.4–3.1	40.09N	143.02E	0	3.7,3.5		**¶602380585**
ISCJB	XII	25 12 20 42.8–1.2	39.11N–.05	142.5E–.10	48–15	3.4b,3.5		
JMA	XII	25 12 20 43.6	39.13N	142.42E	44–1	3.4,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=74.0km s-min=36.1km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=6.9km az=15.0.

ISC	**XII**	**25 19 59 05.6–.77**	**40.10N–.04**	**142.04E–.06**	**66–6**	**4.0b**	**64**	**0-90**
NIED	XII	25 19 59 00	40.10N	142.00E	62	4.0W		**¶602058846**
ISCJB	XII	25 19 59 04.5–.47	40.11N–.03	142.04E–.07	73–2	3.8b		
IDC	XII	25 19 59 05.8–2.0	40.09N	141.96E	70–17	4.0,3.9		
JMA	XII	25 19 59 05.6	40.08N	142.02E	65–1	4.1,3.9		
NEIC	XII	25 19 59 07.3–1.1	40.20N	142.09E	96–17	4.0b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ38.00000°,λ172.00000°. NP2:ϕ_s213.00000°,δ85.00000°,λ52.00000°. $M_0$1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=13.5.
IDC Error ellipse: s-maj=19.5km s-min=12.1km az=108.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s202.00000°,δ82.00000°,λ51.00000°. NP2:ϕ_s103.00000°,δ39.00000°,λ168.00000°. Principal axes: T Plg40.0000°,Azm77.0000°; N Plg38.0000°,Azm208.0000°; P Plg27.0000° ,Azm322.0000°

NEIC Event type fe. Error ellipse: s-maj=22.1km s-min=8.8km az=113.0. Recorded [3 JMA] in Aomori.

JMA XII 26 02 30 50.3 38.70N 142.00E 52–1 3.5 ¶606077686

JMA Event type fe.

JMA XII 26 07 20 52.7–.20 35.79N 140.93E 14–1 3.6

NIED XII 26 07 20 00 35.80N 141.00E 20 3.4W **¶603719130**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ46.00000°,λ-47.00000°. NP2:ϕ_s338.00000°,δ58.00000°,λ-125.00000°. $M_0$1.43000×10^{14}

JMA XII 26 19 01 00.3–.10 37.52N 141.46E 49–1 3.5

NIED XII 26 19 01 00 37.50N 141.50E 68 3.6W **¶603719341**

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ43.00000°,λ65.00000°. NP2:ϕ_s237.00000°,δ52.00000°,λ111.00000°. $M_0$3.19000×10^{14}

ISC XII 26 20 07 48.0–1.9 38.64N–.05 142.0E–.10 43–12 3.7b 28 0-62

JMA XII 26 20 07 49.1 38.64N 141.91E 48–1 3.6 **¶602380657**

IDC XII 26 20 07 52.2–2.4 39.24N 140.50E 0 3.7,3.6

ISC Event type ke.

JMA Event type fe.

IDC Error ellipse: s-maj=74.4km s-min=20.5km az=70.0.

ISC XII 26 21 17 29.5–.89 35.87N–.04 140.87E–.06 29–6 3.8b 32 0-148

NIED XII 26 21 17 00 35.90N 141.00E 38 4.1W **¶602380664**

ISCJB XII 26 21 17 28.5–.61 35.84N–.04 140.90E–.07 36–5 3.6b

JMA XII 26 21 17 28.6–.20 35.86N 140.91E 34–1 3.6

IDC XII 26 21 17 31.1–2.2 35.79N 140.82E 44–21 3.7,3.6

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s318.00000°,δ27.00000°,λ-122.00000°. NP2:ϕ_s173.00000°,δ67.00000°,λ-75.00000°. $M_0$1.75000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.1km az=157.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

IDC Error ellipse: s-maj=21.1km s-min=9.5km az=69.0.

ISC XII 28 07 30 01.1–.77 36.47N–.04 140.60E–.05 56–6 4.0b 36 0-79

ISCJB XII 28 07 29 59.6–.50 36.45N–.03 140.69E–.06 60–3 3.9b,3.4s **¶602060667**

NIED XII 28 07 30 00 36.50N 140.60E 59 4.2W,3.4s

JMA XII 28 07 30 00.6–.10 36.45N 140.60E 56–1 4.0,3.4s

IDC XII 28 07 30 02.7–2.0 36.39N 140.53E 75–21 3.9,3.8

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.2km az=21.1.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ22.00000°,λ74.00000°. NP2:ϕ_s20.00000°,δ68.00000°,λ96.00000°. $M_0$2.41000×10^{15}

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ63.00000°,λ88.00000°. NP2:ϕ_s198.00000°,δ27.00000°,λ94.00000°. Principal axes: T Plg72.0000°,Azm279.0000°; N Plg2.0000°,Azm14.0000°; P Plg18.0000° ,Azm105.0000°

IDC Error ellipse: s-maj=25.5km s-min=12.8km az=77.0.

ISC XII 28 12 53 13.0–2.3 38.84N–.07 142.1E–.10 41–16 3.5b 23 0-59

IDC XII 28 12 52 59.3–2.2 38.69N 143.51E 0 3.5,3.5b **¶602380780**

ISCJB XII 28 12 53 13.1–1.2 38.87N–.05 142.1E–.10 49–7 3.5b,3.5b

JMA XII 28 12 53 13.5–.10 38.88N 142.08E 46–1 3.3,3.5b

ISC Event type ke.

IDC Error ellipse: s-maj=52.4km s-min=26.6km az=79.0.

ISCJB Event type fe. Error ellipse: s-maj=17.4km s-min=6.4km az=18.3.

JMA Event type fe.

ISC XII 28 13 35 36.0–.83 40.56N–.04 141.41E–.07 92–6 3.3b 30 0-64

ISCJB XII 28 13 35 35.0–.47 40.57N–.03 141.43E–.09 100–4 3.3b **¶602380784**

JMA XII 28 13 35 36.2–.10 40.57N 141.40E 91–1 3.0

IDC XII 28 13 35 36.5–2.0 40.54N 141.45E 100–19 3.4,3.2

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=5.1km az=1.9.

JMA Event type fe.

IDC Error ellipse: s-maj=30.0km s-min=14.0km az=115.0.

ISC XII 29 03 05 40.2–1.3 38.23N–.05 141.98E–.09 56–10 3.3b 40 0-89

ISCJB XII 29 03 05 39.8–.73 38.22N–.04 141.92E–.08 67–6 3.3b **¶602380817**

IDC XII 29 03 05 41.9–3.5 38.17N 141.89E 74–33 3.4,3.4

JMA XII 29 03 05 41.1 38.24N 141.85E 62–1 3.9,3.4

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.7km az=18.4.

IDC Error ellipse: s-maj=27.1km s-min=22.6km az=113.0.

JMA Event type fe.

ISC XII 29 07 19 32.8–.42 37.08N–.03 141.20E–.03 49–3 5.0b,4.2s 823 0-163

NIED XII 29 07 19 00 37.00N 141.20E 50 4.9W,4.2s **¶602062475**

BJI XII 29 07 19 29.6 37.02N 141.26E 51 5.1b,5.1b

IDC XII 29 07 19 32.9–1.1 37.08N 141.21E 49–9 4.8,4.7

JMA XII 29 07 19 32.5–.10 37.07N 141.18E 51–1 5.0,4.7

ISCJB XII 29 07 19 32.9–.24 37.08N–.02 141.09E–.02 58–1 5.0b,4.3s

MOS XII 29 07 19 33.6–.94 37.33N 141.03E 54 5.4b,4.3s

GCMT XII 29 07 19 34.3–.30 37.05N–.02 141.22E–.03 48–1 4.9W,4.3s

NEIC XII 29 07 19 35.3–.44 37.06N 141.03E 66–4 5.0b,4.3s

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s19.00000°,δ66.00000°,λ85.00000°. $M_0$2.72000×10^{16}

IDC Error ellipse: s-maj=10.1km s-min=8.1km az=109.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ68.00000°,λ88.00000°. NP2: ϕ_s210.00000°,δ22.00000°,λ95.00000°. Principal axes: T Plg67.0000°,Azm291.0000° ; N Plg2.0000°,Azm25.0000°; P Plg23.0000°,Azm116.0000°

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=34.0.

MOS Error ellipse: s-maj=6.2km s-min=3.6km az=107.6.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c55; s73,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.58±.16 $M_{\theta\theta}$-0.60±.12; $M_{\phi\phi}$-1.98±.11; $M_{r\theta}$0.42±.09; $M_{\theta\phi}$-1.22±.10; $M_{\phi r}$1.90±.10; Best double couple: NP1:ϕ_s20.00000°,δ63.00000°,λ80.00000°. NP2:ϕ_s221.00000°,δ28.00000°,λ109.00000°. Principal axes: T 3.2680,Plg70.0000° ,Azm269.0000°; N 0.0160,Plg9.0000°,Azm24.0000°; P -3.2870,Plg18.0000°,Azm117.0000° $M_0$3.27700×10^{16}

NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=138.0. Felt [IV] at Iwaki, [III] in Sendai and [II] at Tokyo. Felt from Kitakami to Yokohama and from Aizu-Wakamatsu to Hitachi. Recorded [4 JMA] in Fukushima.

ISC XII 29 08 28 47.7–3.3 39.07N–.06 142.86E–.09 9–23 26 1-44

IDC XII 29 08 28 44.0–7.7 39.02N 143.30E 0 3.4,3.4 **¶602380830**

ISCJB XII 29 08 28 48.3–1.5 39.12N–.05 142.91E–.08 19–8 3.2b,3.4

JMA XII 29 08 28 49.2–.10 39.13N 142.86E 25–2 3.6,3.4

ISC Event type ke.

IDC Error ellipse: s-maj=125.9km s-min=38.5km az=115.0.

ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.9km az=33.5.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC XII 29 14 59 36.4–.28 38.76N–.03 142.18E–.03 36–1 5.5b,5.0s 1646 1-164

NIED XII 29 14 59 00 38.70N 142.20E 32 5.3W,5.0s **¶602065111**

BJI XII 29 14 59 32.9 38.65N 142.12E 29 5.4b,5.4b

ISCJB XII 29 14 59 36.7–.22 38.73N–.01 142.11E–.02 49–1 5.4b,5.0s

JMA XII 29 14 59 36.6–.10 38.72N 142.20E 41–1 5.5,5.0s

MOS XII 29 14 59 36.3–.85 38.94N 142.07E 38 5.7b,5.1s

GCMT XII 29 14 59 38.9–.10 38.79N–.01 142.24E–.01 44–0 5.5W,5.1s

IDC XII 29 14 59 39.0–1.3 38.76N 142.07E 56–11 5.2,5.0

NEIC XII 29 14 59 38.9–.41 38.74N 142.02E 56–3 5.4W,5.4b

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ9.00000°,λ120.00000°. NP2:ϕ_s19.00000°,δ82.00000°,λ85.00000°. $M_0$1.10000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=137.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s43.00000°,δ66.00000°,λ105.00000°. NP2:ϕ_s190.00000°,δ29.00000°,λ60.00000°. Principal axes: T Plg66.0000°,Azm340.0000°; N Plg14.0000°,Azm217.0000°; P Plg19.0000° ,Azm122.0000°

MOS Error ellipse: s-maj=5.5km s-min=3.3km az=101.3.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c183; s123,c239;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$-1.53±.02; $M_{r\theta}$0.71±.02; $M_{\theta\phi}$-0.44±.02; $M_{\phi r}$1.33±.03; Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ97.00000°. NP2:ϕ_s188.00000°,δ24.00000°,λ75.00000°. Principal axes: T 2.2360,Plg68.0000° ,Azm307.0000°; N -0.0160,Plg6.0000°,Azm201.0000°; P -2.2260,Plg21.0000° ,Azm109.0000° $M_0$2.23100×10^{17}

IDC Error ellipse: s-maj=11.1km s-min=6.6km az=102.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=140.0. Felt [III] at Sendai and [II] at Iwaki, Kasama and Misawa. Felt in much of northeastern Honshu. Recorded [4 JMA] in Iwate. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s209.00000°,δ21.00000° ,λ87.00000°. NP2:ϕ_s32.00000°,δ69.00000°,λ91.00000°. Principal axes: T 1.7200,Plg66.0000°,Azm304.0000°; N -0.1300,Plg1.0000°,Azm212.0000° ; P -1.5900,Plg24.0000°,Azm121.0000° $M_0$1.70000×10^{17}

ISC XII 29 15 52 06.5–1.8 38.13N–.04 141.82E–.08 28–12 31 0-58

JMA XII 29 15 52 08.9–.10 38.19N 141.68E 50–1 3.2 **¶602380846**

IDC XII 29 15 52 12.8–3.3 36.52N 141.89E 0 3.3,3.3b

ISC Event type ke.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=84.4km s-min=34.7km az=52.0.

ISC XII 29 23 05 22.8–.47 37.02N–.03 141.29E–.03 33–2 5.2b,4.5s 980 0-157

NIED XII 29 23 05 00 37.00N 141.50E 11 4.9W,4.5s **¶602065116**

IDC XII 29 23 05 17.9–.35 37.01N 141.23E 0 4.9,4.8

JMA XII 29 23 05 19.5–.10 36.96N 141.39E 35–1 5.1,4.8

ISCJB XII 29 23 05 21.8–.43 36.99N–.02 141.21E–.02 33–2 5.1b,4.4s

MOS XII 29 23 05 22.3–.90 37.13N 141.19E 33 5.2b,4.4s

BJI XII 29 23 05 22.0 36.97N 141.31E 51 5.3b,4.9b

GCMT XII 29 23 05 23.2–.30 37.02N–.03 141.37E–.02 17–1 4.9W,4.9b

NEIC XII 29 23 05 24.2–.36 37.02N 141.17E 40–3 5.2b,4.9b

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ40.00000°,λ-82.00000°. NP2:ϕ_s183.00000°,δ51.00000°,λ-97.00000°. $M_0$2.17000×10^{16}

IDC Error ellipse: s-maj=11.9km s-min=8.3km az=93.0.

JMA Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=146.2.

MOS Error ellipse: s-maj=6.0km s-min=4.2km az=105.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s84,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.20±.22 $M_{\theta\theta}$0.12±.13; $M_{\phi\phi}$3.09±.14; $M_{r\theta}$-0.07±.42; $M_{\theta\phi}$0.62±.09; $M_{\phi r}$0.27±.31; Best double couple: NP1:ϕ_s189.00000°,δ47.00000°,λ-93.00000°. NP2:ϕ_s14.00000°,δ43.00000°,λ-87.00000°. Principal axes: T 3.2260,Plg2.0000° ,Azm281.0000°; N -0.0060,Plg2.0000°,Azm191.0000°; P -3.2150,Plg87.0000°,Azm56.0000° $M_0$3.22000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=140.0. Felt [IV] at Iwaki. Felt widely in eastern Honshu. Recorded [3 JMA] in Fukushima and Ibaraki.

JMA XII 30 02 33 09.2–.10 36.76N 141.30E 76–1 3.8 ¶606079207

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC XII 30 17 59 00.0–1.4 38.83N–.05 142.13E–.09 44–12 3.6b 34 0-67

ISCJB XII 30 17 58 59.4–.78 38.87N–.04 142.10E–.09 53–6 3.6b,3.2s **¶602380899**

JMA XII 30 17 59 00.6–.10 38.86N 142.05E 46–1 3.9,3.2s

IDC XII 30 17 59 02.3–2.2 38.83N 142.05E 66–21 3.7,3.5

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=14.4.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=23.4km s-min=15.0km az=97.0.

ISC XII 30 22 17 20.2–2.0 38.25N–.04 142.15E–.07 9–11 4.0b 36 1-62

IDC XII 30 22 17 18.0–1.4 38.26N 142.38E 0 3.9,3.8 **¶602380913**

JMA XII 30 22 17 25.1–.10 38.32N 141.92E 50–1 3.7,3.8

ISC Event type ke.

IDC Error ellipse: s-maj=34.6km s-min=19.9km az=85.0.

JMA Event type fe.

ISC XII 30 23 57 00.7–1.0 35.52N–.05 140.11E–.06 63–7 3.3b 26 0-59

ISCJB XII 30 23 56 59.5–.65 35.51N–.04 140.14E–.06 71–5 3.2b **¶602380917**

JMA XII 30 23 56 59.8–.20 35.59N 140.10E 65–2 2.9

IDC XII 30 23 57 03.4–3.2 35.35N 139.82E 78–18 3.3,3.1

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=154.9.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=60.4km s-min=6.7km az=67.0.

JMA XII 31 20 36 13.7 39.11N 142.13E 45–1 3.6 ¶606079773

JMA Event type fe.

(229) Off east coast of Honshu.

ISC VII 01 09 03 56.2–.91 38.17N–.05 143.96E–.08 35 3.5b 38 2-75

NIED VII 01 09 03 00 38.20N 144.00E 5 3.6W **¶601663351**

IDC VII 01 09 03 51.0–.96 38.05N 144.10E 0 3.8,3.7

ISCJB VII 01 09 03 53.7–.60 38.13N–.04 144.01E–.05 33 3.6b,3.6s

JMA VII 01 09 03 54.4–.20 38.17N 143.95E 39 3.9,3.6s

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ44.00000°,λ-31.00000°. NP2:ϕ_s160.00000°,δ69.00000°,λ-129.00000°. $M_0$3.08000×10^{14}

IDC Error ellipse: s-maj=26.7km s-min=18.8km az=107.0.

ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.1km az=15.3.

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

ISC VII 01 20 28 30.9–1.2 40.88N–.06 145.02E–.07 35 3.8b,3.0s 41 2-86

NIED VII 01 20 28 00 40.90N 145.10E 5 3.6W,3.0s **¶601663374**

IDC VII 01 20 28 27.1–1.3 40.80N 144.98E 0 3.9,3.8b

ISCJB VII 01 20 28 29.8–.70 40.93N–.03 144.94E–.05 33 3.8b,3.1s

JMA VII 01 20 28 29.1–.10 40.91N 145.07E 69–2 3.6,3.1s

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ36.00000°,λ-106.00000°. NP2:ϕ_s229.00000°,δ56.00000°,λ-79.00000°. $M_0$3.16000×10^{14}

IDC Error ellipse: s-maj=36.8km s-min=26.3km az=86.0.

ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=32.0.

JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

JMA VII 02 20 34 55.4–.20 37.55N 144.08E 37 4.0

NIED VII 02 20 34 00 37.50N 144.10E 5 3.5W **¶603633357**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ25.00000°,λ-90.00000°. NP2:ϕ_s186.00000°,δ65.00000°,λ-90.00000°. $M_0$2.31000×10^{14}

ISC VII 03 00 46 13.5–.79 37.35N–.04 142.06E–.03 14–4 4.6b,4.2s 307 1-146

NIED VII 03 00 46 00 37.30N 142.00E 23 4.4W,4.2s **¶603633458**

IDC VII 03 00 46 10.8–.47 37.30N 142.11E 0 4.5,4.4

ISCJB VII 03 00 46 12.7–.67 37.35N–.03 142.05E–.03 15–4 4.5b,4.2s

JMA VII 03 00 46 14.5–.20 37.35N 142.00E 36–4 4.6,4.2s

BJI VII 03 00 46 15.6 37.30N 142.07E 47 4.9b,4.8b

MOS VII 03 00 46 15.0–1.3 37.42N 142.12E 33 4.7b,4.8b

NEIC VII 03 00 46 17.8–.49 37.28N 141.98E 44–4 4.6b,4.8b

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ26.00000°,λ-36.00000°. NP2:ϕ_s192.00000°,δ75.00000°,λ-111.00000°. $M_0$3.88000×10^{15}

IDC Error ellipse: s-maj=13.5km s-min=10.7km az=124.0.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=157.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

MOS Error ellipse: s-maj=7.6km s-min=5.7km az=94.9.

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=149.0. Felt at Yokosuka. Recorded [2 JMA] in Fukushima and Miyagi.

ISC VII 03 05 17 53.5–1.2 37.18N–.06 142.01E–.08 19 3.6b 21 1-57

NIED VII 03 05 17 00 37.10N 142.00E 26 3.5W **¶601663423**

IDC VII 03 05 17 50.4–1.4 36.92N 142.25E 0 3.6,3.4

ISCJB VII 03 05 17 53.1–1.1 37.22N–.05 142.05E–.07 19 3.5b,3.4

JMA VII 03 05 17 53.6–.20 37.09N 141.96E 34–4 3.5,3.4

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ24.00000°,λ-117.00000°. NP2:ϕ_s159.00000°,δ69.00000°,λ-79.00000°. $M_0$1.87000×10^{14}

IDC Error ellipse: s-maj=31.1km s-min=26.4km az=135.0.

ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.0km az=35.7.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC VII 04 06 20 00.5–.65 37.14N–.05 142.51E–.06 9 3.9b 54 1-89

ISCJB VII 04 06 19 58.4–.45 37.15N–.04 142.56E–.04 9 3.9b,2.9s **¶601564426**

IDC VII 04 06 19 58.9–.78 37.10N 142.53E 0 4.0,3.9

NIED VII 04 06 20 00 37.10N 142.40E 20 3.8W,3.9
JMA VII 04 06 20 00.2–.30 37.14N 142.43E 20–4 4.0,3.9
NEIC VII 04 06 20 03.8–.96 37.13N 142.54E 35–8 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=137.4.
IDC Error ellipse: s-maj=18.4km s-min=15.4km az=117.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ23.00000°,λ95.00000°. NP2:ϕ_s24.00000°,δ67.00000°,λ88.00000°. $M_0$4.98000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=103.0.
JMA VII 05 01 00 23.4–.20 38.23N 144.52E 36 3.7
NIED VII 05 01 00 00 38.20N 144.50E 8 3.6W **¶603634607**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ23.00000°,λ-100.00000°. NP2:ϕ_s208.00000°,δ67.00000°,λ-86.00000°. $M_0$3.09000×10^{14}
JMA VII 06 05 23 00.1–.30 40.48N 145.46E 52 3.7
¶603635179
JMA Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
JMA VII 07 01 35 05.6–.20 38.03N 144.58E 33 3.7
¶603635776
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA VII 07 03 13 47.8–.20 37.89N 144.22E 44 3.6
¶603635791
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 07 09 32 26.8–1.5 36.95N–.06 143.12E–.10 25 27 2-61
IDC VII 07 09 32 22.9–1.9 36.88N 143.29E 0 3.5,3.4b **¶601663585**
ISCJB VII 07 09 32 25.4–.87 36.90N–.04 143.13E–.06 25 3.5b,3.4b
JMA VII 07 09 32 27.6–.20 36.94N 143.07E 53 3.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=31.5km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.0km az=26.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 08 01 13 05.6–1.0 40.69N–.05 144.56E–.07 25 3.5b 44 2-67
NIED VII 08 01 13 00 40.60N 144.70E 5 3.6W **¶601664267**
IDC VII 08 01 13 02.9–1.2 40.60N 144.55E 0 3.7,3.6
JMA VII 08 01 13 03.8–.10 40.64N 144.65E 68–3 3.5,3.6
ISCJB VII 08 01 13 04.5–.63 40.69N–.03 144.49E–.06 25 3.5b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ29.00000°,λ-108.00000°. NP2:ϕ_s213.00000°,δ63.00000°,λ-80.00000°. $M_0$2.48000×10^{14}
ISCJB Event type ke.
JMA VII 08 23 18 08.9–.10 37.96N 144.01E 27 3.6
NIED VII 08 23 18 00 38.00N 144.00E 5 3.4W **¶603636705**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ26.00000°,λ-120.00000°. NP2:ϕ_s234.00000°,δ68.00000°,λ-76.00000°. $M_0$1.48000×10^{14}
ISC VII 09 06 23 52.6–.61 37.77N–.04 143.48E–.07 35 4.1b 74 2-150
NIED VII 09 06 23 00 37.80N 143.40E 8 3.8W **¶601465742**
IDC VII 09 06 23 48.5–.85 37.70N 143.50E 0 4.0,4.0L
ISCJB VII 09 06 23 51.2–.40 37.77N–.03 143.47E–.04 33 4.3b,4.0L
JMA VII 09 06 23 52.4–.20 37.80N 143.39E 43 4.1,4.0L
NEIC VII 09 06 23 53.1–.44 37.70N 143.57E 35 4.4b,4.0L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ48.00000°,λ-31.00000°. NP2:ϕ_s189.00000°,δ68.00000°,λ-134.00000°. $M_0$5.36000×10^{14}
IDC Error ellipse: s-maj=19.9km s-min=17.3km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=24.3.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.2km az=121.0.
ISC VII 09 09 42 37.4–2.1 37.39N–.04 142.07E–.07 10–11 3.7b 32 1-61
NIED VII 09 09 42 00 37.40N 141.90E 32 3.6W **¶601664328**
IDC VII 09 09 42 36.0–1.4 37.34N 142.20E 0 3.7,3.7b
JMA VII 09 09 42 41.5–.20 37.40N 141.88E 38–4 3.6,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ31.00000°,λ153.00000°. NP2:ϕ_s67.00000°,δ76.00000°,λ61.00000°. $M_0$2.56000×10^{14}
IDC Error ellipse: s-maj=34.7km s-min=19.0km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 09 11 28 47.4–.76 34.15N–.05 141.88E–.08 21 4.0b 43 1-61
ISCJB VII 09 11 28 46.0–.61 34.10N–.05 141.86E–.07 21 3.9b **¶601624982**
IDC VII 09 11 28 45.1–1.0 34.13N 141.79E 0 3.9,3.8
JMA VII 09 11 28 47.4–.60 34.09N 141.79E 36–4 3.4,3.8
NEIC VII 09 11 28 50.4–.65 34.11N 141.78E 35–9 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=155.4.
IDC Error ellipse: s-maj=26.7km s-min=15.8km az=75.0.
JMA Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=16.8km az=74.0.
ISC VII 10 20 15 14.6–1.9 37.88N–.04 142.49E–.06 4–12 3.8b 37 1-62
NIED VII 10 20 15 00 37.90N 142.50E 26 3.6W **¶601664398**
IDC VII 10 20 15 14.6–1.0 37.82N 142.47E 0 3.8,3.8
JMA VII 10 20 15 17.1–.10 37.89N 142.48E 37–3 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ42.00000°,λ101.00000°. NP2:ϕ_s195.00000°,δ49.00000°,λ80.00000°. $M_0$2.73000×10^{14}
IDC Error ellipse: s-maj=34.5km s-min=16.5km az=90.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VII 10 22 40 54.1–.20 37.18N 143.63E 29 3.5
NIED VII 10 22 40 00 37.20N 143.60E 5 3.2W **¶603638305**
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s343.00000°,δ41.00000°,λ-160.00000°. NP2:ϕ_s237.00000°,δ77.00000°,λ-51.00000°. $M_0$6.50000×10^{13}
ISC VII 11 14 09 59.3–2.3 36.90N–.05 142.10E–.09 0–12 3.2b 22 1-61
IDC VII 11 14 10 00.6–2.1 36.73N 142.20E 0 3.5,3.5 **¶601664428**
JMA VII 11 14 10 03.4–.20 36.97N 141.98E 47–5 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=26.6km az=54.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 11 15 22 05.9–2.1 37.20N–.05 142.32E–.06 3–12 3.9b,3.6s 36 1-146
NIED VII 11 15 22 00 37.20N 142.30E 17 3.9W,3.6s **¶601664431**
ISCJB VII 11 15 22 06.9–1.2 37.21N–.04 142.35E–.05 19–8 3.8b,3.5s
IDC VII 11 15 22 06.1–.97 37.11N 142.44E 0 3.8,3.8b
JMA VII 11 15 22 07.8–.30 37.24N 142.32E 25–5 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s318.00000°,δ17.00000°,λ-135.00000°. NP2:ϕ_s185.00000°,δ78.00000°,λ-78.00000°. $M_0$9.15000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.4km az=39.7.
IDC Error ellipse: s-maj=28.3km s-min=19.8km az=98.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 11 16 37 29.1–2.0 37.13N–.04 142.32E–.06 6–12 3.5b 33 1-57
NIED VII 11 16 37 00 37.30N 142.20E 17 3.8W **¶601664434**
IDC VII 11 16 37 28.7–1.9 37.05N 142.72E 0 3.7,3.7
JMA VII 11 16 37 32.6–.20 37.25N 142.25E 27–4 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s297.00000°,δ42.00000°,λ-108.00000°. NP2:ϕ_s141.00000°,δ51.00000°,λ-74.00000°. $M_0$4.88000×10^{14}
IDC Error ellipse: s-maj=45.9km s-min=20.8km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 11 17 31 51.3–1.1 38.04N–.07 143.4E–.10 19 3.6b 24 2-74
NIED VII 11 17 31 00 38.10N 143.40E 17 3.5W **¶601664438**
IDC VII 11 17 31 48.5–1.5 38.05N 143.50E 0 3.6,3.6b
ISCJB VII 11 17 31 49.9–.89 38.06N–.06 143.34E–.09 19 3.5b,2.9s
JMA VII 11 17 31 49.9–.30 38.09N 143.44E 37 3.5,2.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ47.00000°,λ-173.00000°. NP2:ϕ_s78.00000°,δ85.00000°,λ-44.00000°. $M_0$1.87000×10^{14}
IDC Error ellipse: s-maj=33.3km s-min=19.3km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.0km az=32.0.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC VII 11 20 46 28.9–3.4 37.82N–.05 142.07E–.09 25–24 3.6b 41 1-89
NIED VII 11 20 46 00 37.80N 142.10E 41 3.8W **¶601664448**
ISCJB VII 11 20 46 29.1–.91 37.82N–.04 142.11E–.07 42–8 4.0s,3.7b
JMA VII 11 20 46 29.1–.10 37.83N 142.07E 37–2 3.9,3.7b
IDC VII 11 20 46 31.7–2.3 37.82N 142.10E 49–21 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ44.00000°,λ-89.00000°. NP2:ϕ_s12.00000°,δ46.00000°,λ-91.00000°. $M_0$4.96000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.5km az=18.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=15.6km az=87.0.
ISC VII 12 15 20 59.2–.58 36.32N–.06 144.60E–.07 10 4.0b 62 5-88
ISCJB VII 12 15 20 57.4–.37 36.22N–.05 144.57E–.05 10 3.9b **¶601505982**
IDC VII 12 15 20 58.0–.66 36.26N 144.63E 0 4.0,3.9
NEIC VII 12 15 20 59.4–.37 36.29N 144.64E 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=151.0.
IDC Error ellipse: s-maj=17.1km s-min=14.4km az=130.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.2km az=150.0.
ISC VII 12 23 03 41.9–1.2 36.85N–.05 142.3E–.10 9 3.5b,3.4s 25 1-88
IDC VII 12 23 03 39.4–2.5 36.93N 142.60E 0 3.7,3.6 **¶601664505**
ISCJB VII 12 23 03 40.3–1.0 36.85N–.05 142.4E–.10 9 3.5b,3.4s
JMA VII 12 23 03 44.0–.30 36.87N 142.18E 31 3.4,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=26.2km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.5km az=1.4.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 13 18 59 35.6–1.2 37.69N–.05 143.76E–.09 35 3.3b 33 2-62
NIED VII 13 18 59 00 37.80N 143.50E 32 3.4W **¶601664541**
IDC VII 13 18 59 31.3–1.7 37.60N 143.86E 0 3.9L,3.8
ISCJB VII 13 18 59 35.1–.82 37.70N–.04 143.69E–.06 33 3.4b,3.8
JMA VII 13 18 59 37.4–.20 37.77N 143.53E 44 4.1,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ64.00000°,λ176.00000°. NP2:ϕ_s319.00000°,δ87.00000°,λ26.00000°. $M_0$1.52000×10^{14}
IDC Error ellipse: s-maj=36.9km s-min=24.0km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.0km az=172.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 14 11 45 03.7–.20 38.25N 144.36E 49 3.5
¶603640129
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VII 15 08 20 48.2–.20 38.39N 144.61E 43 3.7
NIED VII 15 08 20 00 38.40N 144.60E 5 3.6W **¶603640685**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ27.00000°,λ-95.00000°. NP2:ϕ_s215.00000°,δ63.00000°,λ-88.00000°. $M_0$2.57000×10^{14}
ISC VII 15 11 51 33.4–1.6 34.72N–.09 142.7E–.10 42 17 1-59
IDC VII 15 11 51 27.9–1.9 34.83N 142.76E 0 3.4,3.3 **¶601664621**
ISCJB VII 15 11 51 32.9–1.1 34.64N–.07 142.64E–.10 42 3.3b,3.3
JMA VII 15 11 51 33.0–.90 34.73N 142.61E 25 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=28.8km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=10.0km az=143.4.
JMA Error ellipse: s-maj=3.3km s-min=6.4km az=-1.0.
ISC VII 15 12 50 51.3–1.3 34.79N–.06 142.77E–.09 42 3.5b 27 1-59
IDC VII 15 12 50 46.7–1.8 34.73N 142.86E 0 3.4,3.3 **¶601664628**
ISCJB VII 15 12 50 49.8–.85 34.84N–.05 142.75E–.07 42 3.4b,3.3
JMA VII 15 12 50 51.0–.50 34.71N 142.65E 50 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=23.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.8km az=160.1.
JMA Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
ISC VII 15 21 21 17.2–.92 37.75N–.06 144.18E–.07 35 3.6b 40 2-76
NIED VII 15 21 21 00 37.70N 144.10E 5 3.6W **¶601664646**
IDC VII 15 21 21 12.2–.81 37.47N 144.27E 0 3.8,3.6
ISCJB VII 15 21 21 15.2–.65 37.79N–.04 144.20E–.05 33 3.6b,3.3s
JMA VII 15 21 21 16.5–.20 37.72N 144.09E 47 3.8,3.3s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ24.00000°,λ-124.00000°. NP2:ϕ_s228.00000°,δ71.00000°,λ-76.00000°. $M_0$2.98000×10^{14}
IDC Error ellipse: s-maj=23.6km s-min=19.2km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=44.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 16 22 58 41.4–.95 33.25N–.09 141.86E–.09 34 3.8b 11 2-80
IDC VII 16 22 58 36.6–1.1 33.31N 142.02E 0 3.9,3.8 **¶601664697**
ISCJB VII 16 22 58 39.0–.84 33.33N–.07 142.03E–.09 34 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 18 14 18 19.8–2.7 40.87N–.05 143.38E–.07 29–20 3.6b 32 1-61
NIED VII 18 14 18 00 40.90N 143.30E 29 3.5W **¶601664788**
JMA VII 18 14 18 18.5–.20 40.86N 143.32E 18–4 3.5
ISCJB VII 18 14 18 19.6–.72 40.86N–.04 143.40E–.07 48–9 3.6b
IDC VII 18 14 18 22.0–3.1 40.93N 143.32E 47–25 3.4,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ42.00000°,λ141.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ55.00000°. $M_0$2.25000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.4km az=31.0.
IDC Error ellipse: s-maj=60.5km s-min=19.2km az=90.0.
ISC VII 18 17 37 39.6–.96 36.12N–.06 142.27E–.09 23 3.5b 25 1-60
ISCJB VII 18 17 37 37.3–.71 36.16N–.05 142.31E–.07 23 3.6b **¶601664800**
IDC VII 18 17 37 37.0–1.1 36.10N 142.26E 0 3.7,3.7
JMA VII 18 17 37 40.7–.20 36.20N 141.95E 78–4 2.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.8km az=173.5.
IDC Error ellipse: s-maj=25.3km s-min=17.7km az=81.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 18 17 45 56.3–3.5 33.88N–.05 141.81E–.07 22–26 3.9b 53 1-86
NIED VII 18 17 45 00 33.90N 141.60E 5 3.9W **¶601625096**
IDC VII 18 17 45 53.7–.73 33.90N 141.66E 0 4.0,3.9
NEIC VII 18 17 45 57.0–2.2 33.91N 141.71E 21–15 4.5b,3.9
ISCJB VII 18 17 45 57.1–.86 33.88N–.04 141.68E–.07 37–7 3.9b,3.1s
JMA VII 18 17 45 57.8–.30 33.93N 141.63E 44–5 3.7,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ42.00000°,λ42.00000°. NP2:ϕ_s35.00000°,δ63.00000°,λ123.00000°. $M_0$8.47000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=13.3km az=88.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=162.3.
JMA Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
JMA VII 19 00 44 59.2–.20 39.59N 143.54E 27 3.5
NIED VII 19 00 44 00 39.60N 143.50E 23 3.8W **¶603642556**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ31.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ59.00000°,λ93.00000°. $M_0$5.12000×10^{14}
ISC VII 19 02 51 33.6–1.1 37.80N–.06 144.13E–.08 35 3.7b 30 2-62
NIED VII 19 02 51 00 37.80N 144.00E 5 3.7W **¶601664816**
ISCJB VII 19 02 51 31.9–.76 37.84N–.04 144.12E–.06 33 3.7b
JMA VII 19 02 51 33.1–.20 37.79N 144.01E 45 3.8
IDC VII 19 02 51 34.6–5.3 37.72N 144.13E 38–47 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ22.00000°,λ-94.00000°. NP2:ϕ_s200.00000°,δ68.00000°,λ-88.00000°. $M_0$3.51000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=22.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=38.9km s-min=21.8km az=112.0.
ISC VII 19 06 13 40.4–1.5 33.64N–.07 141.8E–.10 41 3.7b 17 1-54
IDC VII 19 06 13 35.3–1.9 33.62N 141.84E 0 3.7,3.6 **¶601664820**
ISCJB VII 19 06 13 38.0–1.0 33.63N–.06 141.85E–.09 41 3.7b,3.6
JMA VII 19 06 13 40.9–.40 33.75N 141.52E 34 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=24.0km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=9.1km az=6.0.

JMA Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
ISC VII 19 06 21 41.5–.96 39.58N–.06 143.52E–.08 11 4.0b 34 1-72
NIED VII 19 06 21 00 39.60N 143.60E 23 3.9W **¶601506018**
ISCJB VII 19 06 21 39.7–.63 39.59N–.04 143.62E–.06 11 3.9b
IDC VII 19 06 21 39.6–1.2 39.57N 143.59E 0 4.0,4.0b
JMA VII 19 06 21 40.1–.20 39.59N 143.64E 19 4.1,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ33.00000°,λ85.00000°. NP2:ϕ_s27.00000°,δ57.00000°,λ93.00000°. $M_0$9.40000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=32.8.
IDC Error ellipse: s-maj=27.1km s-min=20.3km az=101.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC VII 19 06 23 27.8–2.8 39.56N–.06 143.6E–.10 22–29 4.0b 31 1-72
NIED VII 19 06 23 00 39.60N 143.60E 23 3.8W **¶601664821**
IDC VII 19 06 23 23.8–1.8 39.53N 143.78E 0 3.9,3.9
JMA VII 19 06 23 25.1–.30 39.56N 143.58E 9–4 4.1,3.9
ISCJB VII 19 06 23 26.0–1.8 39.54N–.04 143.67E–.07 26–15 3.9b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ32.00000°,λ75.00000°. NP2:ϕ_s29.00000°,δ59.00000°,λ99.00000°. $M_0$5.40000×10^{14}
ISCJB Event type ke.
JMA VII 20 00 48 25.0–.20 37.61N 143.76E 43 3.8
¶603643071
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 20 03 56 43.4–3.3 39.41N–.06 143.01E–.09 11–19 3.7b 27 1-60
ISCJB VII 20 03 56 41.2–1.7 39.40N–.06 143.23E–.07 11–12 3.7b **¶601664859**
JMA VII 20 03 56 43.0–.20 39.36N 143.11E 20–2 4.2
IDC VII 20 03 56 49.7–4.7 39.28N 142.96E 66–44 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=8.6km az=170.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=31.3km s-min=26.2km az=66.0.
ISC VII 21 03 01 19.7–.39 37.77N–.03 142.02E–.03 44–3 4.9b,4.4s 957 1-151
NIED VII 21 03 01 00 37.70N 142.00E 38 4.8W,4.4s **¶601456901**
MOS VII 21 03 01 17.1–.96 37.85N 142.08E 38 5.1b,4.4s
BJI VII 21 03 01 18.2 37.59N 142.05E 50 5.0b,4.9b
JMA VII 21 03 01 18.9–.10 37.76N 141.93E 37–2 4.9,4.9b
ISCJB VII 21 03 01 19.4–.34 37.76N–.02 141.87E–.02 51–2 4.9b,4.3s
NEIC VII 21 03 01 20.9–.37 37.79N 141.83E 48–3 4.9b,4.3s
IDC VII 21 03 01 21.4–1.4 37.79N 141.88E 56–12 4.8,4.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ7.00000°,λ-99.00000°. NP2:ϕ_s101.00000°,δ83.00000°,λ-89.00000°. $M_0$1.55000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=91.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=152.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=138.0. Felt at Fukushima, Ishinomaki, Iwaki, Mito, Sendai, Sukagawa and Tsukuba. Recorded [3 JMA] in Fukushima and Miyagi.
IDC Error ellipse: s-maj=10.0km s-min=8.9km az=72.0.
ISC VII 21 03 40 46.6–.68 40.89N–.04 145.02E–.06 35 3.8b 63 2-81
NIED VII 21 03 40 00 40.90N 145.10E 5 3.7W **¶601506026**
IDC VII 21 03 40 41.6–.85 40.84N 145.03E 0 3.9,3.8b
JMA VII 21 03 40 42.8–.20 40.88N 145.14E 69–3 4.0,3.8b
NEIC VII 21 03 40 43.1–4.2 40.83N 145.00E 11–25 4.2b,3.8b
ISCJB VII 21 03 40 44.4–.46 40.90N–.03 144.93E–.04 33 3.8b,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ34.00000°,λ-76.00000°. NP2:ϕ_s45.00000°,δ57.00000°,λ-100.00000°. $M_0$4.59000×10^{14}
NEIC Event type se.
ISCJB Event type se.
JMA VII 21 18 14 41.2–.10 38.37N 144.48E 43 4.1
NIED VII 21 18 14 00 38.40N 144.50E 17 3.5W **¶603644006**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ72.00000°,λ174.00000°. NP2:ϕ_s269.00000°,δ85.00000°,λ18.00000°. $M_0$1.73000×10^{14}
JMA VII 21 23 38 02.4–.20 38.42N 144.62E 39 3.6
NIED VII 21 23 38 00 38.40N 144.60E 5 3.6W **¶603644142**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ23.00000°,λ-91.00000°. NP2:ϕ_s214.00000°,δ67.00000°,λ-89.00000°. $M_0$2.87000×10^{14}
ISC VII 22 02 22 42.6–.73 39.89N–.05 143.74E–.07 6 3.9b 50 1-87
NIED VII 22 02 22 00 39.90N 143.60E 11 4.0W **¶601506032**
ISCJB VII 22 02 22 41.2–.49 39.91N–.03 143.72E–.05 6 3.7b
JMA VII 22 02 22 43.7–.30 39.93N 143.65E 21 4.0
IDC VII 22 02 22 47.0–3.0 39.81N 143.71E 37–24 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ35.00000°,λ45.00000°. NP2:ϕ_s38.00000°,δ66.00000°,λ116.00000°. $M_0$1.05000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=26.0.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=14.8km az=90.0.
ISC VII 24 03 31 24.3–1.4 34.81N–.05 141.4E–.10 27 15 0-59
ISCJB VII 24 03 31 22.9–.98 34.80N–.04 141.59E–.09 27 3.5b **¶601666356**
JMA VII 24 03 31 22.0–.20 34.72N 141.61E 52–2 2.5
IDC VII 24 03 31 22.1–2.5 34.72N 141.61E 0 3.4,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.1km az=169.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=32.3km az=59.0.
ISC VII 24 17 04 52.2–.60 37.75N–.04 142.42E–.05 21 4.2b,3.9s 87 1-69
NIED VII 24 17 04 00 37.80N 142.20E 35 4.0W,3.9s **¶601465938**
IDC VII 24 17 04 48.8–1.6 37.85N 142.65E 0 3.9,3.9
ISCJB VII 24 17 04 51.1–.40 37.78N–.03 142.36E–.04 21 4.1b,3.8s
MOS VII 24 17 04 52.0–.79 37.72N 142.56E 37 4.4b,3.8s
JMA VII 24 17 04 53.7–.20 37.80N 142.16E 36–3 4.0,3.8s
BJI VII 24 17 04 53.0 37.49N 142.60E 44 4.7b,4.5b
NEIC VII 24 17 04 55.2–.72 37.72N 142.44E 43–7 4.5b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ58.00000°,λ3.00000°. NP2:ϕ_s172.00000°,δ87.00000°,λ148.00000°. $M_0$1.25000×10^{15}
IDC Error ellipse: s-maj=37.5km s-min=17.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=29.7.
MOS Error ellipse: s-maj=11.5km s-min=8.2km az=88.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=107.0.
ISC VII 24 17 28 07.2–.80 36.65N–.04 142.22E–.05 25–5 4.3b,3.7s 156 1-146
NIED VII 24 17 28 00 36.70N 142.10E 20 4.2W,3.7s **¶601467934**
ISCJB VII 24 17 28 03.8–1.1 36.66N–.03 142.25E–.03 15–7 4.3b,3.5s
NEIC VII 24 17 28 04.5–2.3 36.67N 142.20E 6–14 4.7b,3.5s
IDC VII 24 17 28 04.2–.71 36.66N 142.09E 0 4.1,4.1
BJI VII 24 17 28 05.7 36.69N 141.93E 16 4.7b,4.5b
JMA VII 24 17 28 05.7–.30 36.70N 142.12E 22–4 4.2,4.5b
MOS VII 24 17 28 08.4–.85 36.96N 142.11E 32 4.7b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ14.00000°,λ96.00000°. NP2:ϕ_s26.00000°,δ76.00000°,λ89.00000°. $M_0$2.01000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.2km az=148.1.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=110.0.
IDC Error ellipse: s-maj=19.1km s-min=14.8km az=88.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.5km s-min=6.2km az=112.9.
ISC VII 25 20 00 15.5–.59 36.44N–.04 142.53E–.04 31–3 4.6b,4.3s 278 2-146
NIED VII 25 20 00 00 36.50N 142.60E 8 4.6W,4.3s **¶601472496**
IDC VII 25 20 00 10.7–.54 36.37N 142.54E 0 4.4,4.3
JMA VII 25 20 00 12.8–.30 36.47N 142.64E 55 4.6,4.3
ISCJB VII 25 20 00 13.1–.85 36.51N–.03 142.48E–.03 20–5 4.5b,4.2s
BJI VII 25 20 00 15.4 36.56N 142.50E 46 5.0b,4.6b
MOS VII 25 20 00 17.1–.92 36.81N 142.42E 39 5.0b,4.4s
NEIC VII 25 20 00 17.3–.68 36.36N 142.47E 43–6 4.7b,4.4s
ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ38.00000°,λ98.00000°. NP2:ϕ_s17.00000°,δ53.00000°,λ84.00000°. $M_0$9.20000×10^{15}
IDC Error ellipse: s-maj=14.5km s-min=11.6km az=125.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=159.4.
MOS Error ellipse: s-maj=8.3km s-min=5.0km az=121.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=158.0.
ISC VII 26 16 48 11.8–.99 36.34N–.05 142.55E–.08 15 3.6b 30 2-60
ISCJB VII 26 16 48 11.8–.70 36.41N–.05 142.40E–.06 15 3.5b **¶601666486**
IDC VII 26 16 48 11.5–1.3 36.25N 142.55E 0 3.6,3.6
JMA VII 26 16 48 13.7–.20 36.45N 142.38E 58 3.4,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.2km az=142.7.
IDC Error ellipse: s-maj=35.0km s-min=19.9km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 26 16 57 50.8–2.6 36.35N–.05 142.27E–.09 8–14 26 1-56
IDC VII 26 16 57 51.8–2.9 36.12N 142.21E 0 3.4,3.3 **¶601666488**
JMA VII 26 16 57 52.7–.20 36.36N 142.27E 37 2.9,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=31.7km az=77.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 26 18 42 21.2–1.4 37.89N–.06 144.3E–.10 35 3.4b 30 2-62
IDC VII 26 18 42 16.6–1.7 37.72N 144.45E 0 3.5,3.5 **¶601666492**
ISCJB VII 26 18 42 18.7–.79 37.88N–.04 144.42E–.06 33 3.4b,3.5
JMA VII 26 18 42 21.0–.20 37.92N 144.27E 45 3.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=24.6km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.3km az=176.4.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA VII 27 02 32 16.4–.30 37.25N 144.22E 46 3.7
¶603647083
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
JMA VII 27 19 39 41.1–.40 37.07N 142.36E 12–5 3.6
¶603647463
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VII 29 06 09 54.6–.45 37.34N–.05 144.39E–.05 35 4.5b,3.6s 244 3-144
NIED VII 29 06 09 00 37.50N 144.20E 5 4.3W,3.6s **¶601484817**
IDC VII 29 06 09 48.7–.53 37.21N 144.51E 0 4.3,4.1
BJI VII 29 06 09 49.1 37.35N 144.49E 13 4.8b,4.5b
NEIC VII 29 06 09 50.9–2.1 37.26N 144.41E 11–13 4.6b,4.5b
ISCJB VII 29 06 09 53.0–.20 37.37N–.03 144.23E–.02 33 4.4b,3.5s
JMA VII 29 06 09 53.0–.30 37.45N 144.21E 54 4.5,3.5s
MOS VII 29 06 09 57.6–1.5 37.65N 144.26E 62 4.7b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ16.00000°,λ-99.00000°. NP2:ϕ_s242.00000°,δ74.00000°,λ-87.00000°. $M_0$3.03000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=12.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.5km az=171.7.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=114.0.
ISC VII 29 11 21 44.2–.75 38.00N–.04 144.31E–.04 17–4 4.7b,3.8s 443 2-145
NIED VII 29 11 21 00 38.00N 144.10E 5 4.2W,3.8s **¶601488094**
IDC VII 29 11 21 41.1–.55 37.90N 144.27E 0 4.5,4.4
ISCJB VII 29 11 21 42.4–.94 38.01N–.03 144.16E–.02 11–5 4.6b,3.8s
JMA VII 29 11 21 44.9–.20 38.02N 144.15E 46 4.5,3.8s
NEIC VII 29 11 21 45.4–1.1 37.92N 144.20E 23–7 4.7b,3.8s
MOS VII 29 11 21 45.1–.85 38.10N 144.16E 27 4.9b,3.8s
BJI VII 29 11 21 46.5 38.25N 144.16E 40 4.8b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ36.00000°,λ-104.00000°. NP2:ϕ_s13.00000°,δ55.00000°,λ-80.00000°. $M_0$2.44000×10^{15}
IDC Error ellipse: s-maj=14.8km s-min=11.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.7km az=176.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=156.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=115.3.
ISC VII 29 15 21 25.9–1.9 33.19N–.07 141.05E–.08 17–11 3.2b 26 1-57
IDC VII 29 15 21 23.0–1.6 33.07N 141.23E 0 3.5,3.3 **¶601666630**
JMA VII 29 15 21 28.3–.10 33.30N 141.00E 52 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=21.4km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 30 10 54 60.0–2.4 37.32N–.05 142.29E–.08 4–13 3.8b 23 1-63
JMA VII 30 10 54 58.7–.20 37.32N 142.45E 9–3 3.5 **¶601650767**
ISCJB VII 30 10 54 59.2–1.8 37.26N–.04 142.45E–.08 13–12 3.6b
IDC VII 30 10 55 03.4–1.5 36.92N 142.07E 0 3.7,3.7
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.0km az=171.3.
IDC Error ellipse: s-maj=34.2km s-min=26.5km az=95.0.
ISC VII 30 12 00 49.7–1.3 37.33N–.05 142.27E–.09 21 3.6b 26 1-57
NIED VII 30 12 00 00 37.40N 142.40E 5 3.7W **¶601650768**
IDC VII 30 12 00 45.8–2.2 37.27N 142.51E 0 3.7b,3.6
ISCJB VII 30 12 00 46.7–.93 37.29N–.04 142.47E–.09 21 3.6b,3.6
JMA VII 30 12 00 47.4–.30 37.35N 142.36E 18–4 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ10.00000°,λ-126.00000°. NP2:ϕ_s171.00000°,δ82.00000°,λ-84.00000°. $M_0$4.67000×10^{14}
IDC Error ellipse: s-maj=47.6km s-min=24.0km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.7km az=1.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 31 00 43 59.2–.62 37.72N–.05 143.88E–.06 35 3.9b 56 2-87
NIED VII 31 00 43 00 37.70N 143.70E 8 3.9W **¶601521010**
IDC VII 31 00 43 53.7–.74 37.52N 143.98E 0 4.0,4.0L
ISCJB VII 31 00 43 57.2–.42 37.68N–.04 143.78E–.04 33 4.0b,3.4s
JMA VII 31 00 43 57.7–.20 37.70N 143.71E 44 4.0,3.4s
NEIC VII 31 00 43 59.1–.48 37.62N 143.90E 35 4.0b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ31.00000°,λ-55.00000°. NP2:ϕ_s180.00000°,δ65.00000°,λ-109.00000°. $M_0$7.69000×10^{14}
IDC Error ellipse: s-maj=18.6km s-min=16.1km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=172.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.4km az=159.0.
ISC VII 31 01 12 48.0–.84 34.90N–.05 141.20E–.08 48 3.7b 24 0-76
JMA VII 31 01 12 45.3–.10 34.96N 141.31E 42–2 3.2 **¶601650799**
ISCJB VII 31 01 12 46.5–.64 34.90N–.05 141.17E–.07 48 3.8b,3.1s
IDC VII 31 01 12 50.5–2.7 34.96N 140.88E 63–24 3.8,3.7
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.0km az=171.3.
IDC Error ellipse: s-maj=28.7km s-min=16.1km az=78.0.
ISC VII 31 05 40 55.8–.74 35.57N–.06 142.61E–.07 56 3.8b 33 1-147
NIED VII 31 05 40 00 35.60N 142.70E 8 3.8W **¶601650805**
IDC VII 31 05 40 48.8–.76 35.45N 142.67E 0 3.9,3.7
JMA VII 31 05 40 51.8–.20 35.58N 142.71E 64 3.9,3.7
ISCJB VII 31 05 40 53.9–.62 35.49N–.05 142.54E–.06 56 3.8b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ45.00000°,λ-101.00000°. NP2:ϕ_s8.00000°,δ46.00000°,λ-80.00000°. $M_0$5.94000×10^{14}
ISCJB Event type ke.
ISC VII 31 15 27 19.4–1.0 39.67N–.06 143.32E–.08 11 3.7b 32 1-72
NIED VII 31 15 27 00 39.60N 143.30E 23 3.7W **¶601650834**
ISCJB VII 31 15 27 17.5–.69 39.59N–.05 143.40E–.07 11 3.6b,3.0s
IDC VII 31 15 27 17.2–1.4 39.59N 143.39E 0 3.7,3.7b
JMA VII 31 15 27 19.2–.20 39.65N 143.33E 23–3 3.7,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ19.00000°,λ77.00000°. NP2:ϕ_s26.00000°,δ72.00000°,λ95.00000°. $M_0$4.35000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=136.5.

IDC Error ellipse: s-maj=34.8km s-min=19.5km az=90.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VIII 01 05 34 26.7–.20 37.73N 144.47E 35 3.5
NIED VIII 01 05 34 00 37.70N 144.50E 8 3.5W **¶603649773**
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ28.00000°,λ-77.00000°. NP2:ϕ_s198.00000°,δ63.00000°,λ-97.00000°. $M_0$2.12000×10^{14}
JMA VIII 01 09 04 54.3–.20 37.00N 142.07E 39 3.6
NIED VIII 01 09 04 00 37.00N 142.10E 26 3.5W **¶603649809**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ44.00000°,λ-119.00000°. NP2:ϕ_s181.00000°,δ53.00000°,λ-65.00000°. $M_0$2.29000×10^{14}
ISC VIII 01 13 27 19.1–1.1 36.32N–.04 142.21E–.08 19 3.5b 34 1-60
ISCJB VIII 01 13 27 17.3–.75 36.32N–.03 142.25E–.06 19 3.5b **¶601765312**
IDC VIII 01 13 27 17.5–1.9 36.08N 142.11E 0 3.6,3.5
JMA VIII 01 13 27 19.2–.10 36.33N 142.19E 66–4 3.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=5.8.
IDC Error ellipse: s-maj=40.1km s-min=22.4km az=68.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 01 23 26 51.2–1.9 39.37N–.04 143.03E–.06 10–11 3.9b,3.1s 42 1-144
NIED VIII 01 23 26 00 39.40N 143.00E 32 3.9W,3.1s **¶601765327**
JMA VIII 01 23 26 52.8–.10 39.42N 143.00E 28–2 4.0,3.1s
IDC VIII 01 23 26 56.5–2.4 39.34N 142.88E 50–23 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ40.00000°,λ-56.00000°. NP2:ϕ_s258.00000°,δ58.00000°,λ-115.00000°. $M_0$8.14000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.1km az=86.0.
ISC VIII 02 14 18 27.8–1.3 33.36N–.07 142.4E–.10 35 3.8b 23 2-74
NIED VIII 02 14 18 00 33.40N 142.40E 8 3.7W **¶601765350**
IDC VIII 02 14 18 22.3–1.6 33.32N 142.53E 0 3.8,3.8L
ISCJB VIII 02 14 18 25.8–.91 33.37N–.06 142.38E–.07 35 3.8b,3.5s
JMA VIII 02 14 18 25.7–.30 33.38N 142.41E 46 3.8,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ49.00000°,λ-60.00000°. NP2:ϕ_s182.00000°,δ50.00000°,λ-120.00000°. $M_0$4.06000×10^{14}
IDC Error ellipse: s-maj=44.6km s-min=19.8km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.9km az=163.9.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC VIII 02 21 04 07.1–2.2 37.24N–.05 142.02E–.07 14–12 3.8b 30 1-61
NIED VIII 02 21 04 00 37.30N 142.00E 26 3.7W **¶601765368**
IDC VIII 02 21 04 04.7–1.5 37.22N 142.27E 0 3.8,3.8
ISCJB VIII 02 21 04 07.4–1.4 37.24N–.04 142.06E–.06 29–10 3.7b,3.8
JMA VIII 02 21 04 08.2–.20 37.26N 142.02E 38–4 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ42.00000°,λ102.00000°. NP2:ϕ_s38.00000°,δ49.00000°,λ80.00000°. $M_0$3.38000×10^{14}
IDC Error ellipse: s-maj=39.6km s-min=18.6km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.8km az=26.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 03 10 00 43.5–.52 39.41N–.04 143.63E–.04 28–3 4.8b,4.7s 565 1-144
NIED VIII 03 10 00 00 39.40N 143.70E 11 4.7W,4.7s **¶601534028**
IDC VIII 03 10 00 39.1–.49 39.29N 143.61E 0 4.7,4.7
ISCJB VIII 03 10 00 40.4–.72 39.43N–.02 143.49E–.02 11–4 4.7b,4.6s
JMA VIII 03 10 00 41.4–.20 39.36N 143.67E 44 5.0,4.6s
BJI VIII 03 10 00 42.9 39.40N 143.28E 24 5.3b,5.1b
MOS VIII 03 10 00 44.5–1.0 39.58N 143.40E 37 5.0b,4.3s
NEIC VIII 03 10 00 44.5–.99 39.37N 143.47E 30–7 4.7b,4.3s
GCMT VIII 03 10 00 45.5–.40 39.46N–.04 143.74E–.03 21–1 4.9W,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ32.00000°,λ73.00000°. NP2:ϕ_s20.00000°,δ60.00000°,λ100.00000°. $M_0$1.50000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Iwate.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s63,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83±.18 $M_{\theta\theta}$-0.24±.10; $M_{\phi\phi}$-1.59±.11; $M_{r\theta}$0.43±.21; $M_{\theta\phi}$-0.49±.07; $M_{\phi r}$1.61±.18; Best double couple: NP1:ϕ_s16.00000°,δ67.00000°,λ89.00000°. NP2:ϕ_s200.00000°,δ24.00000°,λ93.00000°. Principal axes: T 2.4880,Plg68.0000° ,Azm283.0000°; N -0.0830,Plg1.0000°,Azm17.0000°; P -2.4030,Plg21.0000°,Azm107.0000° $M_0$2.44500×10^{16}
ISC VIII 04 11 31 02.9–.80 39.38N–.05 144.44E–.06 23 3.8b 56 2-82
IDC VIII 04 11 30 59.6–.95 39.25N 144.46E 0 4.0,3.8 **¶601765448**
NIED VIII 04 11 31 00 39.40N 144.30E 5 3.8W,3.8
ISCJB VIII 04 11 31 01.9–.55 39.43N–.03 144.33E–.04 23 3.8b,3.8
JMA VIII 04 11 31 03.6–.20 39.43N 144.29E 43 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=22.4km az=132.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ25.00000°,λ-98.00000°. NP2:ϕ_s233.00000°,δ65.00000°,λ-86.00000°. $M_0$6.20000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=38.7.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC VIII 05 04 32 15.8–1.4 36.95N–.07 142.77E–.10 25 3.7b 18 2-57
IDC VIII 05 04 32 10.3–2.4 36.88N 143.26E 0 3.7,3.7 **¶601765482**
ISCJB VIII 05 04 32 13.1–1.2 36.86N–.06 142.9E–.10 25 3.6b,3.7
JMA VIII 05 04 32 16.4–.30 37.06N 142.44E 4 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=31.1km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.2km az=9.6.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC VIII 05 08 57 29.9–1.1 35.59N–.08 142.0E–.10 22 3.7b 17 1-59
NIED VIII 05 08 57 00 35.70N 142.30E 11 3.7W **¶601765488**
JMA VIII 05 08 57 25.7–.40 35.71N 142.28E 31 3.5
ISCJB VIII 05 08 57 27.7–.82 35.60N–.06 142.10E–.09 22 3.6b,2.9s
IDC VIII 05 08 57 27.1–1.1 35.65N 141.97E 0 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ34.00000°,λ104.00000°. NP2:ϕ_s2.00000°,δ57.00000°,λ81.00000°. $M_0$4.56000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.3km az=12.0.
IDC Error ellipse: s-maj=28.6km s-min=19.2km az=86.0.
ISC VIII 07 07 43 34.0–.57 36.40N–.05 142.60E–.06 15 4.2b,4.2s 98 2-146
NIED VIII 07 07 43 00 36.40N 142.60E 8 4.4W,4.2s **¶601529213**
IDC VIII 07 07 43 31.2–.66 36.25N 142.67E 0 4.2,4.0
ISCJB VIII 07 07 43 32.8–.33 36.40N–.04 142.59E–.03 15 4.2b,4.2s
JMA VIII 07 07 43 33.7–.10 36.40N 142.65E 49 3.8,4.2s
BJI VIII 07 07 43 35.9 36.60N 142.48E 31 5.0b,4.6b
NEIC VIII 07 07 43 37.8–.85 36.27N 142.53E 44–7 4.4b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ41.00000°,λ99.00000°. NP2:ϕ_s14.00000°,δ49.00000°,λ82.00000°. $M_0$4.39000×10^{15}
IDC Error ellipse: s-maj=16.4km s-min=14.9km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=154.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.3km az=169.0.
ISC VIII 07 08 31 50.6–3.4 36.29N–.05 142.67E–.06 6–22 3.7b,3.5s 40 2-90
NIED VIII 07 08 31 00 36.40N 142.60E 5 4.0W,3.5s **¶606008025**
IDC VIII 07 08 31 49.8–.85 36.19N 142.74E 0 3.9,3.8
ISCJB VIII 07 08 31 52.4–1.7 36.38N–.04 142.65E–.05 24–13 3.7b,3.5s
JMA VIII 07 08 31 53.3–.10 36.40N 142.64E 66 3.5,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ37.00000°,λ101.00000°. NP2:ϕ_s11.00000°,δ54.00000°,λ82.00000°. $M_0$1.22000×10^{15}
IDC Error ellipse: s-maj=21.3km s-min=18.7km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.7km az=40.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 07 11 59 47.5–1.2 40.27N–.08 144.1E–.10 16 3.6b 12 4-61
ISCJB VIII 07 11 59 45.7–.97 40.25N–.07 144.0E–.20 16 3.7b **¶601765603**
IDC VIII 07 11 59 45.3–1.3 40.29N 143.99E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=10.0km az=6.6.
IDC Error ellipse: s-maj=27.9km s-min=21.3km az=104.0.
ISC VIII 07 23 37 36.6–2.7 37.65N–.04 143.89E–.05 31–19 4.0b,3.3s 60 2-118
NIED VIII 07 23 37 00 37.60N 143.80E 8 3.9W,3.3s **¶601562027**
IDC VIII 07 23 37 31.9–.59 37.55N 144.08E 0 4.1,4.0
ISCJB VIII 07 23 37 33.8–1.5 37.59N–.03 143.87E–.05 23–11 4.0b,3.3s
JMA VIII 07 23 37 36.2–.20 37.65N 143.80E 50 4.5,3.3s
NEIC VIII 07 23 37 37.3–.45 37.64N 143.98E 35 4.4b,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ37.00000°,λ-116.00000°. NP2:ϕ_s229.00000°,δ57.00000°,λ-72.00000°. $M_0$8.95000×10^{14}
IDC Error ellipse: s-maj=17.4km s-min=13.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=38.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.1km az=115.0.
ISC VIII 08 06 17 28.7–3.6 37.15N–.05 142.03E–.07 12–23 3.7b 28 1-57
NIED VIII 08 06 17 00 37.10N 141.90E 26 3.7W **¶601765637**
ISCJB VIII 08 06 17 28.3–1.4 37.12N–.04 142.04E–.08 16–8 3.6b
JMA VIII 08 06 17 30.9–.30 37.11N 141.90E 42–4 3.9
IDC VIII 08 06 17 33.4–3.4 36.96N 142.20E 58–30 3.8L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ8.00000°,λ88.00000°. NP2:ϕ_s33.00000°,δ82.00000°,λ90.00000°. $M_0$3.41000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.4km az=172.5.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=27.4km s-min=16.3km az=73.0.
ISC VIII 08 11 35 11.4–1.3 39.88N–.07 143.3E–.10 6 3.8b 18 1-60
ISCJB VIII 08 11 35 09.2–1.2 39.83N–.07 143.6E–.10 6 3.8b **¶601734825**
JMA VIII 08 11 35 12.2–.30 39.88N 143.40E 22 3.4
IDC VIII 08 11 35 16.3–3.9 39.86N 143.52E 50–31 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=7.3km az=23.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=53.5km s-min=24.9km az=82.0.
ISC VIII 08 11 35 30.6–.70 39.81N–.05 143.43E–.06 6 4.1b 44 1-87
NIED VIII 08 11 35 00 39.80N 143.40E 11 4.4W **¶601765653**
ISCJB VIII 08 11 35 29.0–.51 39.80N–.04 143.49E–.05 6 4.1b
NEIC VIII 08 11 35 30.7–.67 39.79N 143.59E 10 4.4b
JMA VIII 08 11 35 31.2–.30 39.82N 143.39E 11 4.4
IDC VIII 08 11 35 36.0–2.2 39.81N 143.41E 49–19 4.0,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ7.00000°,λ153.00000°. NP2:ϕ_s25.00000°,δ87.00000°,λ84.00000°. $M_0$4.67000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=42.6.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.3km az=120.0.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=13.6km az=107.0.
JMA VIII 08 15 04 58.7–.30 37.26N 142.06E 26–3 3.5
NIED VIII 08 15 04 00 37.30N 142.10E 26 3.3W **¶606008667**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ37.00000°,λ176.00000°. NP2:ϕ_s89.00000°,δ87.00000°,λ53.00000°. $M_0$1.16000×10^{14}
ISC VIII 10 15 07 48.0–2.2 37.91N–.05 142.58E–.08 8–12 3.4b 29 1-62
NIED VIII 10 15 07 00 37.80N 142.70E 23 3.4W **¶601765732**
IDC VIII 10 15 07 46.6–2.5 37.94N 142.77E 0 3.4,3.4b
JMA VIII 10 15 07 47.6–.20 37.85N 142.69E 16–3 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ23.00000°,λ-42.00000°. NP2:ϕ_s191.00000°,δ75.00000°,λ-108.00000°. $M_0$1.64000×10^{14}
IDC Error ellipse: s-maj=58.7km s-min=25.6km az=72.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 10 17 16 44.9–.79 37.01N–.05 142.39E–.06 9 3.6b 43 1-90
NIED VIII 10 17 16 00 37.00N 142.40E 8 3.6W **¶601765733**
ISCJB VIII 10 17 16 43.3–.55 37.00N–.04 142.42E–.04 9 3.7b,3.5s
JMA VIII 10 17 16 43.5–.30 37.00N 142.43E 14–4 3.9,3.5s
IDC VIII 10 17 16 43.9–1.1 37.03N 142.40E 0 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ32.00000°,λ-138.00000°. NP2:ϕ_s80.00000°,δ69.00000°,λ-65.00000°. $M_0$3.24000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=172.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=19.2km az=131.0.
ISC VIII 11 07 57 28.2–1.5 39.62N–.06 143.52E–.09 6 3.6b 29 1-50
NIED VIII 11 07 57 00 39.60N 143.60E 29 3.5W **¶601765745**
ISCJB VIII 11 07 57 26.6–.94 39.62N–.05 143.59E–.08 6 3.6b
JMA VIII 11 07 57 28.4–.20 39.63N 143.62E 27 3.7
IDC VIII 11 07 57 31.7–8.8 39.87N 142.90E 0 3.7b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ28.00000°,λ93.00000°. NP2:ϕ_s44.00000°,δ62.00000°,λ88.00000°. $M_0$1.94000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.6km az=30.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=165.1km s-min=31.1km az=110.0.
ISC VIII 11 14 51 37.5–2.2 34.45N–.06 141.65E–.07 4–13 3.4b 25 1-76
ISCJB VIII 11 14 51 37.1–1.4 34.46N–.05 141.75E–.07 19–9 3.5b **¶601765755**
JMA VIII 11 14 51 37.0–.40 34.47N 141.75E 18–2 3.0
IDC VIII 11 14 51 37.3–1.1 34.37N 141.61E 0 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.4km az=14.0.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=24.4km s-min=19.9km az=138.0.
ISC VIII 13 08 09 20.2–.75 36.32N–.05 142.10E–.07 19 4.3b 42 1-148
NIED VIII 13 08 09 00 36.40N 141.80E 14 3.7W **¶601582241**
IDC VIII 13 08 09 17.7–3.1 36.35N 142.04E 0 3.8,3.8b
ISCJB VIII 13 08 09 18.6–.62 36.38N–.05 142.14E–.07 19 4.3b,3.8b
JMA VIII 13 08 09 22.9–.20 36.37N 141.77E 55 3.5,3.8b
NEIC VIII 13 08 09 23.2–.77 36.40N 141.99E 35 4.7b,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ17.00000°,λ92.00000°. NP2:ϕ_s20.00000°,δ73.00000°,λ89.00000°. $M_0$3.47000×10^{14}
IDC Error ellipse: s-maj=50.7km s-min=30.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.8km az=31.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.5km az=141.0.
ISC VIII 14 07 09 28.5–.44 33.83N–.04 141.79E–.06 24 4.4b 157 1-148
BJI VIII 14 07 09 24.8 33.87N 142.01E 27 5.0b,4.6b **¶601557047**
IDC VIII 14 07 09 25.3–.65 33.91N 141.70E 0 4.3,4.2
ISCJB VIII 14 07 09 27.1–.28 33.84N–.03 141.69E–.04 24 4.4b,4.2
MOS VIII 14 07 09 28.3–.84 33.88N 141.60E 30 4.5b,4.2
NEIC VIII 14 07 09 28.3–2.0 33.85N 141.68E 19–12 4.6b,4.2
JMA VIII 14 07 09 29.3–.50 33.94N 141.59E 38–4 4.0,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=14.3km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=43.9.
MOS Error ellipse: s-maj=14.4km s-min=6.1km az=128.8.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=86.0.
JMA Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
ISC VIII 14 12 50 01.1–.72 38.21N–.06 143.52E–.07 19 3.9b 44 2-95
ISCJB VIII 14 12 50 00.3–.61 38.23N–.05 143.43E–.06 19 3.9b **¶601765837**
NIED VIII 14 12 50 00 38.30N 143.40E 8 3.9W
JMA VIII 14 12 50 02.4–.20 38.34N 143.39E 40 3.9
IDC VIII 14 12 50 05.0–3.1 38.16N 143.40E 42–28 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=143.5.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s344.00000°,δ54.00000°,λ154.00000°. NP2:ϕ_s89.00000°,δ70.00000°,λ39.00000°. $M_0$9.44000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=19.0km az=83.0.
ISC VIII 14 13 02 20.7–.52 36.73N–.05 142.27E–.06 19 4.2b,3.9s 122 1-90
NIED VIII 14 13 02 00 36.80N 142.10E 20 4.3W,3.9s **¶601562037**

ISCJB VIII 14 13 02 18.7–.36 36.70N–.04 142.25E–.04 19 4.2b,3.9s
BJI VIII 14 13 02 18.9 36.60N 141.98E 14 4.8b,4.5b
IDC VIII 14 13 02 18.0–.70 36.71N 142.16E 0 4.1,4.0
JMA VIII 14 13 02 20.7–.20 36.76N 142.06E 17–3 4.4,4.0
MOS VIII 14 13 02 21.1–1.2 36.88N 142.20E 29 4.3b,4.0
NEIC VIII 14 13 02 21.9–1.5 36.70N 142.17E 27–10 4.6b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ16.00000°,λ84.00000°. NP2:ϕ_s28.00000°,δ74.00000°,λ92.00000°. $M_0$3.10000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=142.6.
IDC Error ellipse: s-maj=17.2km s-min=14.6km az=109.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=6.5km az=110.6.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=106.0.
ISC VIII 14 16 39 55.2–.82 40.29N–.05 143.95E–.07 16 3.7b 52 2-87
NIED VIII 14 16 39 00 40.30N 143.80E 11 3.7W **¶601765841**
IDC VIII 14 16 39 52.6–1.2 40.25N 144.08E 0 3.8,3.7
ISCJB VIII 14 16 39 54.4–.54 40.34N–.03 143.91E–.05 16 3.6b,3.7
JMA VIII 14 16 39 56.4–.10 40.34N 143.79E 28 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ34.00000°,λ-114.00000°. NP2:ϕ_s203.00000°,δ59.00000°,λ-75.00000°. $M_0$3.72000×10^{14}
IDC Error ellipse: s-maj=27.9km s-min=20.2km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=34.5.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC VIII 14 23 56 37.5–.46 37.86N–.04 142.08E–.05 46–3 4.3b 126 1-149
NIED VIII 14 23 56 00 38.00N 141.90E 56 4.0W **¶601561833**
ISCJB VIII 14 23 56 36.6–.54 37.96N–.03 142.03E–.05 51–4 4.2b
BJI VIII 14 23 56 36.5 38.00N 141.90E 46 4.8b,4.7s
MOS VIII 14 23 56 37.3–.89 38.02N 141.94E 53 4.4b,4.7s
NEIC VIII 14 23 56 39.5–.77 37.96N 141.89E 56–6 4.5b,4.7s
IDC VIII 14 23 56 39.5–.51 37.98N 141.82E 50–4 4.1,4.0
JMA VIII 14 23 56 39.0 37.98N 141.84E 50–1 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ52.00000°,λ42.00000°. NP2:ϕ_s249.00000°,δ58.00000°,λ134.00000°. $M_0$1.26000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.0km az=25.3.
MOS Error ellipse: s-maj=9.1km s-min=7.0km az=86.1.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.5km az=100.0. Recorded [2 JMA] in Aomori and Iwate.
IDC Error ellipse: s-maj=14.0km s-min=9.8km az=96.0.
JMA Event type fe.
ISC VIII 15 01 26 36.2–.98 39.18N–.05 144.75E–.07 35 3.4b 45 2-87
IDC VIII 15 01 26 31.2–1.1 39.04N 144.99E 0 3.7,3.5 **¶601765864**
ISCJB VIII 15 01 26 35.0–.66 39.22N–.04 144.69E–.05 33 3.5b,3.5
JMA VIII 15 01 26 36.6–.20 39.23N 144.59E 46 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=24.6km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=136.1.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VIII 15 03 49 36.0–.20 38.17N 144.55E 42 3.5
¶606012401
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
JMA VIII 16 02 32 43.7–.20 37.07N 144.28E 46 3.6
¶606012930
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 16 08 31 16.7–3.7 33.92N–.04 141.69E–.07 29–26 4.0b,3.5s 54 1-148
NIED VIII 16 08 31 00 34.00N 141.70E 5 4.0W,3.5s **¶601765926**
ISCJB VIII 16 08 31 16.6–.85 33.92N–.04 141.64E–.07 41–7 3.9b,3.3s
JMA VIII 16 08 31 16.6–.30 33.95N 141.65E 50–4 3.7,3.3s
IDC VIII 16 08 31 20.0–1.9 33.90N 141.56E 54–16 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ43.00000°,λ45.00000°. NP2:ϕ_s33.00000°,δ62.00000°,λ123.00000°. $M_0$1.03000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.6km az=172.9.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=14.6km s-min=9.7km az=90.0.
JMA VIII 16 12 27 09.2–.20 40.90N 145.14E 70–3 3.5
¶606013105
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
JMA VIII 17 02 13 22.1–.10 39.30N 143.03E 22–2 3.7
NIED VIII 17 02 13 00 39.30N 143.00E 11 3.4W **¶603658086**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ39.00000°,λ-93.00000°. NP2:ϕ_s224.00000°,δ51.00000°,λ-87.00000°. $M_0$1.60000×10^{14}
ISC VIII 17 09 35 49.7–1.5 37.43N–.06 144.8E–.10 35 35 3-62
ISCJB VIII 17 09 35 48.6–.76 37.40N–.04 144.68E–.07 33 3.6b,2.9s **¶601765977**
IDC VIII 17 09 35 49.7–3.8 36.83N 144.73E 0 3.7,3.6
JMA VIII 17 09 35 51.9–.20 37.46N 144.49E 44 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=4.9.
IDC Error ellipse: s-maj=72.2km s-min=39.9km az=5.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 17 18 10 23.1–2.7 36.71N–.05 142.18E–.09 9–15 3.5b 31 1-57
IDC VIII 17 18 10 21.9–2.0 36.77N 142.31E 0 3.7,3.7 **¶601766009**
JMA VIII 17 18 10 24.3–.20 36.71N 142.27E 44 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=23.4km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 19 01 45 45.7–1.1 39.07N–.06 144.21E–.09 23 3.5b 31 2-95
NIED VIII 19 01 45 00 39.10N 144.10E 5 3.7W **¶601766127**
IDC VIII 19 01 45 42.3–1.4 38.98N 144.38E 0 4.1,4.1s
ISCJB VIII 19 01 45 45.1–.80 39.13N–.05 144.16E–.06 23 4.2s,3.6b
JMA VIII 19 01 45 47.1–.10 39.11N 144.10E 48 3.6,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ22.00000°,λ-124.00000°. NP2:ϕ_s219.00000°,δ72.00000°,λ-77.00000°. $M_0$4.52000×10^{14}
IDC Error ellipse: s-maj=31.4km s-min=23.7km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=44.1.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VIII 20 08 38 31.5–.20 37.11N 144.38E 56 3.5
¶606015939
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VIII 21 11 08 52.8–.40 37.23N 144.31E 49 3.6
¶606016516
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC VIII 21 23 15 13.3–3.5 36.98N–.05 142.07E–.06 10–21 3.6b,3.1s 41 1-146
NIED VIII 21 23 15 00 37.00N 142.00E 23 3.8W,3.1s **¶601766277**
IDC VIII 21 23 15 11.3–.80 36.86N 142.25E 0 3.9,3.7
ISCJB VIII 21 23 15 12.6–1.4 36.94N–.04 142.11E–.07 15–9 3.7b,3.0s
JMA VIII 21 23 15 15.0–.20 36.97N 142.03E 46 4.1,3.0s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s153.00000°,δ2.00000°,λ41.00000°. NP2:ϕ_s23.00000°,δ88.00000°,λ92.00000°. $M_0$6.59000×10^{14}
IDC Error ellipse: s-maj=21.3km s-min=17.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.3km az=0.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 22 07 29 14.7–1.4 37.84N–.04 143.4E–.10 19 3.7b 27 2-85
IDC VIII 22 07 29 12.1–2.4 37.69N 143.64E 0 3.7,3.7 **¶601766288**
ISCJB VIII 22 07 29 13.8–.97 37.83N–.03 143.25E–.08 19 3.6b,3.3s
JMA VIII 22 07 29 15.3–.20 37.90N 143.29E 45 3.4,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=26.2km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.9km az=2.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 22 10 51 50.7–3.5 37.98N–.05 142.43E–.06 18–21 4.0b,3.6s 60 1-89
IDC VIII 22 10 51 47.5–.76 37.93N 142.55E 0 3.9,3.8 **¶601766298**
ISCJB VIII 22 10 51 50.3–1.2 37.99N–.03 142.43E–.04 29–8 4.0b,3.7s
JMA VIII 22 10 51 50.8–.20 37.97N 142.40E 40–3 3.9,3.7s
NEIC VIII 22 10 51 51.4–2.2 37.94N 142.58E 26–15 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=15.6km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.6km az=42.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=132.0.
ISC VIII 22 18 39 26.4–1.3 37.12N–.05 142.58E–.08 9 25 1-57
ISCJB VIII 22 18 39 25.1–.82 37.15N–.04 142.60E–.06 9 3.4b **¶601766320**
IDC VIII 22 18 39 25.0–2.0 37.10N 142.82E 0 3.5,3.4
JMA VIII 22 18 39 26.0–.30 37.13N 142.55E 13–4 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.9km az=26.3.
IDC Error ellipse: s-maj=47.1km s-min=23.7km az=90.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 22 23 09 00.7–1.5 34.09N–.05 141.3E–.10 24 3.6b 18 1-54
IDC VIII 22 23 08 55.8–2.0 33.96N 141.69E 0 3.7,3.6 **¶601766326**
ISCJB VIII 22 23 09 00.0–1.5 34.15N–.06 141.4E–.10 24 3.5b,3.6
JMA VIII 22 23 09 01.0–.60 34.16N 141.33E 32–4 2.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=25.1km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=8.0km az=2.6.
JMA Error ellipse: s-maj=2.2km s-min=5.5km az=-1.0.
ISC VIII 23 11 48 44.4–.95 33.76N–.06 141.7E–.10 24 3.9b 25 1-77
NIED VIII 23 11 48 00 33.80N 141.50E 8 3.8W **¶601766356**
IDC VIII 23 11 48 40.6–.96 33.71N 141.71E 0 4.0,3.9
ISCJB VIII 23 11 48 42.0–.71 33.76N–.05 141.79E–.08 24 3.9b,2.4s
JMA VIII 23 11 48 45.5–.50 33.82N 141.54E 40 3.5,2.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ43.00000°,λ133.00000°. NP2:ϕ_s348.00000°,δ60.00000°,λ58.00000°. $M_0$5.08000×10^{14}
IDC Error ellipse: s-maj=22.6km s-min=16.3km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.1km az=168.5.
JMA Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
ISC VIII 24 08 00 33.3–1.5 37.06N–.05 143.8E–.10 35 3.7b 29 2-63
ISCJB VIII 24 08 00 32.6–.92 37.07N–.04 143.69E–.07 33 3.7b **¶601766393**
JMA VIII 24 08 00 33.8–.30 37.21N 143.69E 54 3.4
IDC VIII 24 08 00 33.1–1.2 36.44N 143.85E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.1km az=163.9.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=22.3km az=114.0.
JMA VIII 24 08 33 29.5–.20 37.28N 142.17E 32–4 3.6
NIED VIII 24 08 33 00 37.30N 142.20E 23 3.6W **¶603662375**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s280.00000°,δ38.00000°,λ-142.00000°. NP2:ϕ_s158.00000°,δ67.00000°,λ-58.00000°. $M_0$2.57000×10^{14}
JMA VIII 24 16 22 29.9–.30 37.28N 142.15E 37–5 3.6
NIED VIII 24 16 22 00 37.30N 142.20E 29 3.5W **¶603662597**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ45.00000°,λ-134.00000°. NP2:ϕ_s146.00000°,δ60.00000°,λ-55.00000°. $M_0$1.76000×10^{14}
JMA VIII 25 18 35 59.2–.20 37.71N 142.33E 25–3 3.0
¶601626205
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 26 14 30 29.1–1.9 37.06N–.05 142.43E–.09 22–21 4.0b 72 1-89
NIED VIII 26 14 30 00 37.00N 142.50E 14 3.9W **¶601643027**
JMA VIII 26 14 30 24.5–.30 37.03N 142.52E 11–4 4.3
ISCJB VIII 26 14 30 25.2–1.2 37.06N–.03 142.51E–.04 11–8 4.0b,4.0s
IDC VIII 26 14 30 25.8–.66 37.03N 142.32E 0 4.1,4.0
NEIC VIII 26 14 30 30.0–2.5 37.09N 142.40E 30–18 4.4b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ32.00000°,λ-134.00000°. NP2:ϕ_s236.00000°,δ68.00000°,λ-66.00000°. $M_0$7.70000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=148.8.
IDC Error ellipse: s-maj=17.1km s-min=15.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.8km az=121.0.
ISC VIII 27 23 05 27.4–.63 36.49N–.04 142.92E–.04 23–3 4.6b,4.4s 260 2-151
NIED VIII 27 23 05 00 36.60N 142.70E 5 4.6W,4.4s **¶601643043**
IDC VIII 27 23 05 23.3–.55 36.45N 142.96E 0 4.4,4.4b
JMA VIII 27 23 05 27.2–.20 36.56N 142.70E 78 3.9,4.4b
ISCJB VIII 27 23 05 28.1–.28 36.54N–.03 142.72E–.04 35 4.6b,4.4s
NEIC VIII 27 23 05 28.8–.28 36.47N 142.87E 35 4.6b,4.4s
MOS VIII 27 23 05 30.0–.88 36.99N 142.73E 33 5.0b,4.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ45.00000°,λ81.00000°. NP2:ϕ_s31.00000°,δ46.00000°,λ99.00000°. $M_0$1.00000×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=12.8km az=86.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=136.4.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.6km az=122.0.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=120.2.
ISC VIII 28 04 20 14.9–.72 37.44N–.05 143.74E–.07 35 4.2b 71 2-72
NIED VIII 28 04 20 00 37.50N 143.50E 5 3.7W **¶601755498**
IDC VIII 28 04 20 11.6–.96 37.30N 143.86E 0 4.0,3.9
ISCJB VIII 28 04 20 13.3–.42 37.45N–.03 143.67E–.04 33 4.3b,3.5s
JMA VIII 28 04 20 14.8–.20 37.48N 143.53E 50 4.0,3.5s
NEIC VIII 28 04 20 16.0–.54 37.31N 143.82E 35 4.6b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ27.00000°,λ-111.00000°. NP2:ϕ_s208.00000°,δ65.00000°,λ-80.00000°. $M_0$4.48000×10^{14}
IDC Error ellipse: s-maj=25.8km s-min=16.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=24.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.2km az=96.0.
ISC VIII 29 08 29 40.3–.98 33.67N–.06 141.6E–.20 36–4 4.0b 40 1-148
IDC VIII 29 08 29 34.5–.91 33.63N 141.74E 0 3.9b,3.9 **¶601755551**
ISCJB VIII 29 08 29 38.7–1.2 33.69N–.04 141.63E–.09 41–9 3.9b,2.7s
JMA VIII 29 08 29 38.9–.40 33.76N 141.62E 65 3.2,2.7s
NEIC VIII 29 08 29 40.0–1.3 33.59N 141.65E 36–10 4.4b,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=18.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=8.3.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.7km az=82.0.
JMA VIII 30 19 19 25.5–.10 38.15N 144.56E 35 3.6
¶606021748
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VIII 31 07 38 02.4–.40 36.04N 143.75E 63 3.5
NIED VIII 31 07 38 00 36.00N 143.70E 5 3.6W **¶603666368**
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ25.00000°,λ-9.00000°. NP2:ϕ_s162.00000°,δ86.00000°,λ-115.00000°. $M_0$3.12000×10^{14}
ISC VIII 31 08 26 00.1–.95 37.83N–.05 143.06E–.07 18 3.5b 31 1-73
NIED VIII 31 08 25 00 37.90N 143.10E 8 3.8W **¶601755654**
IDC VIII 31 08 25 57.7–1.1 37.73N 143.29E 0 3.7,3.6
ISCJB VIII 31 08 25 58.9–.69 37.82N–.04 143.05E–.06 18 3.5b,3.6
JMA VIII 31 08 25 59.6–.20 37.86N 143.10E 41 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ12.00000°,λ-58.00000°. NP2:ϕ_s146.00000°,δ80.00000°,λ-97.00000°. $M_0$4.88000×10^{14}
IDC Error ellipse: s-maj=29.4km s-min=22.4km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=39.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 02 03 42 44.3–.43 39.52N–.04 143.64E–.04 11 4.7b,4.1s 284 1-96
NIED IX 02 03 42 00 39.60N 143.60E 23 4.5W,4.1s **¶601672856**
ISCJB IX 02 03 42 43.7–.25 39.61N–.03 143.53E–.03 11 4.5b,4.1s
IDC IX 02 03 42 43.2–.56 39.51N 143.51E 0 4.4,4.3
JMA IX 02 03 42 43.7–.20 39.60N 143.65E 23 4.6,4.3
BJI IX 02 03 42 44.6 39.59N 143.35E 17 4.9b,4.8b
MOS IX 02 03 42 46.4–.98 39.73N 143.41E 24 4.9b,4.0s
NEIC IX 02 03 42 46.1–1.7 39.57N 143.48E 17–10 4.6b,4.0s
ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ27.00000°,λ77.00000°. NP2:ϕ_s28.00000°,δ64.00000°,λ97.00000°. $M_0$5.78000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=44.8.
IDC Error ellipse: s-maj=14.5km s-min=11.3km az=130.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=103.1.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=126.0. Recorded [1 JMA] in Miyagi.

ISC	**IX**	**02 12 21 08.0–3.5**	**36.67N–.05**	**142.30E–.07**	**9–23**	**3.6b**	**34**	**1-49**
NIED	IX	02 12 21 00	36.70N	142.30E	11	3.7W		**¶601862785**
IDC	IX	02 12 21 07.2–1.6	36.64N	142.42E	0	3.7,3.7		
ISCJB	IX	02 12 21 08.7–1.9	36.69N–.04	142.38E–.07	23–18	3.6b,3.7		
JMA	IX	02 12 21 08.7–.40	36.72N	142.28E	12–5	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ17.00000°,λ86.00000°. NP2:ϕ_s18.00000°,δ73.00000°,λ91.00000°. $M_0$3.57000×10^{14}
IDC Error ellipse: s-maj=30.4km s-min=23.2km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.1km az=16.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**02 20 04 00.8–1.4**	**37.46N–.06**	**144.5E–.10**	**35**	**3.9b**	**17**	**3-62**
IDC	IX	02 20 03 56.5–1.9	37.38N	144.70E	0	4.0,4.0		**¶601862807**
ISCJB	IX	02 20 03 59.6–.99	37.46N–.06	144.45E–.08	33	3.9b,4.0		
NIED	IX	02 20 04 00	37.50N	144.30E	8	3.6W,4.0		
JMA	IX	02 20 04 01.9–.20	37.52N	144.31E	57	3.6,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=24.8km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.1km az=137.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ21.00000°,λ-83.00000°. NP2:ϕ_s176.00000°,δ69.00000°,λ-93.00000°. $M_0$2.99000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

ISC	**IX**	**03 02 23 43.5–1.1**	**36.48N–.06**	**142.54E–.09**	**15**	**3.6b**	**21**	**2-57**
ISCJB	IX	03 02 23 42.0–.85	36.56N–.06	142.56E–.07	15	3.6b		**¶601862830**
JMA	IX	03 02 23 41.0–.20	36.59N	142.55E	9–4	3.0		
IDC	IX	03 02 23 41.6–1.4	36.47N	142.64E	0	3.7,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=8.1km az=162.5.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=24.4km az=84.0.

ISC	**IX**	**04 08 37 38.4–2.3**	**36.53N–.05**	**142.7E–.10**	**15**		**20**	**2-57**
JMA	IX	04 08 37 37.8–.20	36.48N	142.79E	46	3.0		**¶606024586**
IDC	IX	04 08 37 47.7–3.3	36.34N	141.74E	0	3.3,3.3b		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=86.4km s-min=32.9km az=54.0.

ISC	**IX**	**04 17 25 19.0–.83**	**36.96N–.05**	**142.81E–.08**	**25**	**4.2b**	**57**	**2-61**
IDC	IX	04 17 25 16.1–1.7	36.97N	142.92E	0	3.8,3.8		**¶601832073**
ISCJB	IX	04 17 25 17.2–.51	36.98N–.03	142.89E–.05	25	4.3b,3.8		
JMA	IX	04 17 25 17.7–.10	36.98N	142.81E	25	3.4,3.8		
NEIC	IX	04 17 25 20.4–.61	36.96N	142.90E	35	4.6b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=19.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=178.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.1km az=100.0.

JMA	**IX**	**05 07 49 57.6–.20**	**37.95N**	**144.34E**	**39**	**3.5**		
								¶606025113

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**06 23 33 03.2–1.9**	**34.40N–.04**	**141.59E–.06**	**17–11**	**3.8b**	**44**	**1-148**
ISCJB	IX	06 23 33 00.8–1.2	34.36N–.03	141.72E–.06	19–8	3.8b,2.8s		**¶601734457**
IDC	IX	06 23 33 00.7–.65	34.31N	141.50E	0	4.1,3.9		
NIED	IX	06 23 33 00	34.40N	141.70E	8	4.1W,3.9		
JMA	IX	06 23 33 01.9–.30	34.40N	141.68E	28–1	3.6,3.9		
NEIC	IX	06 23 33 03.9–3.1	34.32N	141.55E	22–22	4.2b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=173.1.
IDC Error ellipse: s-maj=16.9km s-min=14.5km az=102.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ35.00000°,λ89.00000°. NP2:ϕ_s122.00000°,δ55.00000°,λ91.00000°. $M_0$1.87000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=70.0.

JMA	**IX**	**07 04 00 56.7–.20**	**37.71N**	**144.47E**	**46**	**3.8**		
								¶606026036

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**07 15 38 06.4–3.2**	**39.39N–.05**	**143.35E–.10**	**23–22**	**3.8b**	**40**	**1-67**
NIED	IX	07 15 38 00	39.40N	143.50E	17	3.7W		**¶606026344**
IDC	IX	07 15 38 02.6–1.4	39.32N	143.41E	0	3.9,3.8		
ISCJB	IX	07 15 38 04.6–1.6	39.41N–.04	143.49E–.06	29–14	3.6b,3.6s		
JMA	IX	07 15 38 04.2–.10	39.43N	143.45E	21–3	4.1,3.6s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ27.00000°,λ60.00000°. NP2:ϕ_s20.00000°,δ67.00000°,λ104.00000°. $M_0$4.59000×10^{14}
IDC Error ellipse: s-maj=30.5km s-min=21.1km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=25.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**IX**	**08 11 05 59.0–4.3**	**36.74N–.05**	**142.86E–.07**	**15–28**	**3.9b**	**53**	**2-75**
IDC	IX	08 11 05 57.0–.85	36.71N	142.96E	0	4.1,4.0		**¶601863162**
ISCJB	IX	08 11 05 59.4–1.5	36.76N–.03	142.79E–.05	28–12	3.9b,4.0		
JMA	IX	08 11 05 59.9–.20	36.76N	142.81E	71	3.8,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=16.3km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=34.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**08 12 17 08.2–.59**	**36.75N–.04**	**142.89E–.06**	**25**	**4.1b**	**96**	**2-95**
NIED	IX	08 12 17 00	36.80N	142.90E	8	4.2W		**¶601833369**
IDC	IX	08 12 17 04.9–.74	36.69N	142.94E	0	4.1,4.0		
ISCJB	IX	08 12 17 06.7–.37	36.76N–.03	142.85E–.04	25	4.1b,3.6s		
JMA	IX	08 12 17 06.9–.10	36.76N	142.89E	42	4.0,3.6s		
NEIC	IX	08 12 17 06.2–.32	36.72N	142.96E	10	4.3b,3.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ39.00000°,λ91.00000°. NP2:ϕ_s16.00000°,δ51.00000°,λ89.00000°. $M_0$2.08000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=15.4km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=28.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=128.0.

ISC	**IX**	**08 23 22 08.2–.72**	**39.55N–.05**	**143.67E–.08**	**11**	**4.0b,3.0s**	**55**	**1-76**
NIED	IX	08 23 22 00	39.60N	143.70E	17	3.9W,3.0s		**¶601737012**
ISCJB	IX	08 23 22 06.9–.51	39.60N–.03	143.66E–.05	11	4.0b,2.8s		
IDC	IX	08 23 22 06.2–1.3	39.40N	143.73E	0	4.2,4.1		
NEIC	IX	08 23 22 08.3–3.9	39.42N	143.72E	14–24	4.4b,4.1		
JMA	IX	08 23 22 08.6–.20	39.64N	143.67E	30	4.1,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ34.00000°,λ77.00000°. NP2:ϕ_s31.00000°,δ57.00000°,λ99.00000°. $M_0$7.65000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=35.4.
IDC Error ellipse: s-maj=32.8km s-min=18.6km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=110.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

JMA	**IX**	**09 08 52 45.6–.20**	**40.94N**	**145.06E**	**64–2**	**3.6**		
								¶606027271

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

ISC	**IX**	**09 09 15 32.7–3.0**	**37.82N–.05**	**142.51E–.08**	**6–17**	**3.6b**	**29**	**1-62**
NIED	IX	09 09 15 00	37.90N	142.50E	26	3.5W		**¶601863227**
IDC	IX	09 09 15 29.9–1.7	37.93N	143.02E	0	3.6,3.6		
ISCJB	IX	09 09 15 33.6–1.8	37.82N–.04	142.56E–.09	23–13	3.5b,3.6		
JMA	IX	09 09 15 34.2–.30	37.86N	142.47E	21–3	3.5,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ5.00000°,λ132.00000°. NP2:ϕ_s2.00000°,δ86.00000°,λ87.00000°. $M_0$2.04000×10^{14}
IDC Error ellipse: s-maj=39.5km s-min=20.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=7.2km az=179.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**IX**	**09 19 33 18.6–.20**	**37.39N**	**142.69E**	**9–3**	**3.5**		
								¶606027583

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**09 20 20 47.6–.64**	**39.92N–.06**	**143.54E–.06**	**6**	**4.0b,3.7s**	**43**	**1-95**
NIED	IX	09 20 20 00	39.90N	143.60E	17	4.3W,3.7s		**¶601842066**
ISCJB	IX	09 20 20 45.8–.45	39.79N–.04	143.62E–.05	6	3.8b,3.7s		
IDC	IX	09 20 20 46.6–.65	39.82N	143.51E	0	4.1,4.0		
JMA	IX	09 20 20 48.4–.20	39.89N	143.59E	26	4.4,4.0		
NEIC	IX	09 20 20 50.6–2.3	39.86N	143.48E	24–16	4.1b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ35.00000°,λ96.00000°. NP2:ϕ_s17.00000°,δ55.00000°,λ86.00000°. $M_0$3.63000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=146.0.
IDC Error ellipse: s-maj=17.3km s-min=13.5km az=108.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=112.0.

ISC	**IX**	**09 22 30 00.9–.57**	**39.84N–.05**	**143.60E–.07**	**6**	**4.3b,3.6s**	**100**	**1-87**
ISCJB	IX	09 22 29 59.5–.37	39.88N–.03	143.64E–.05	6	4.2b,3.5s		**¶601851649**
NIED	IX	09 22 30 00	39.90N	143.50E	14	4.2W,3.5s		
IDC	IX	09 22 30 00.3–.75	39.82N	143.51E	0	4.1,4.0		
JMA	IX	09 22 30 03.3–.20	39.91N	143.49E	31	4.4,4.0		
MOS	IX	09 22 30 04.2–1.1	39.95N	143.46E	37	4.6b,4.0		
NEIC	IX	09 22 30 05.0–2.1	39.89N	143.60E	32–14	4.6b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=26.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ28.00000°,λ84.00000°. NP2:ϕ_s24.00000°,δ62.00000°,λ93.00000°. $M_0$1.97000×10^{15}
IDC Error ellipse: s-maj=20.7km s-min=14.4km az=99.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=11.9km s-min=6.9km az=89.1.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=118.0.

ISC	**IX**	**09 23 05 53.1–1.4**	**37.11N–.07**	**142.25E–.08**	**10**	**3.6b**	**25**	**1-61**
NIED	IX	09 23 05 00	37.20N	142.40E	11	3.5W		**¶601863268**
ISCJB	IX	09 23 05 51.5–.96	37.22N–.06	142.49E–.07	10	3.6b,2.8s		
JMA	IX	09 23 05 51.8–.30	37.22N	142.40E	11–3	3.7,2.8s		
IDC	IX	09 23 05 52.3–2.2	36.91N	142.55E	0	3.7,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s0.00000°,δ45.00000°,λ-144.00000°. NP2:ϕ_s243.00000°,δ65.00000°,λ-51.00000°. $M_0$1.74000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.0km az=135.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=50.7km s-min=24.9km az=52.0.

ISC	**IX**	**10 02 19 03.6–2.5**	**39.92N–.05**	**143.62E–.06**	**1–15**	**3.9b**	**57**	**1-87**
NIED	IX	10 02 19 00	39.90N	143.60E	17	4.0W		**¶601751657**
IDC	IX	10 02 19 02.8–.76	39.75N	143.64E	0	3.9,3.8		
ISCJB	IX	10 02 19 04.8–1.3	39.91N–.03	143.62E–.05	21–10	3.7b,3.1s		
JMA	IX	10 02 19 04.6–.20	39.90N	143.61E	20	4.2,3.1s		
NEIC	IX	10 02 19 06.8–2.4	39.79N	143.61E	24–17	4.2b,3.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ34.00000°,λ70.00000°. NP2:ϕ_s25.00000°,δ59.00000°,λ103.00000°. $M_0$1.02000×10^{15}
IDC Error ellipse: s-maj=19.3km s-min=17.3km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=29.4.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=109.0.

JMA	**IX**	**10 22 03 28.6–.20**	**37.57N**	**142.58E**	**22–5**	**3.2**		
								¶606028117

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**IX**	**11 09 37 41.3–.20**	**38.35N**	**144.50E**	**37**	**3.5**		
								¶606028348

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

ISC	**IX**	**12 14 07 45.6–2.5**	**39.38N–.05**	**143.34E–.09**	**5–14**	**3.4b**	**27**	**1-60**
NIED	IX	12 14 07 00	39.40N	143.30E	8	3.5W		**¶601863415**
IDC	IX	12 14 07 45.7–1.3	39.32N	143.54E	0	3.6,3.5		
ISCJB	IX	12 14 07 46.7–1.6	39.37N–.05	143.35E–.08	16–10	3.3b,3.3s		
JMA	IX	12 14 07 47.7–.20	39.41N	143.27E	17–2	3.8,3.3s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ47.00000°,λ-26.00000°. NP2:ϕ_s244.00000°,δ71.00000°,λ-134.00000°. $M_0$2.20000×10^{14}
IDC Error ellipse: s-maj=37.2km s-min=21.4km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=8.5km az=12.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**IX**	**13 08 37 50.8–.74**	**36.72N–.05**	**143.66E–.07**	**35**	**3.8b**	**42**	**2-145**
NIED	IX	13 08 37 00	36.70N	143.60E	5	3.7W		**¶601863458**
IDC	IX	13 08 37 45.5–.73	36.65N	143.69E	0	4.0,3.9L		
ISCJB	IX	13 08 37 49.1–.56	36.72N–.05	143.65E–.05	33	4.0s,3.7b		
JMA	IX	13 08 37 49.8–.20	36.69N	143.59E	49	3.9,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ42.00000°,λ-98.00000°. NP2:ϕ_s232.00000°,δ49.00000°,λ-83.00000°. $M_0$4.26000×10^{14}
IDC Error ellipse: s-maj=21.1km s-min=17.0km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.6km az=1.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**IX**	**13 12 49 48.1–.20**	**38.03N**	**144.43E**	**47**	**3.6**		
								¶606029700

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**14 10 13 22.5–.88**	**35.44N–.06**	**142.80E–.08**	**59**	**4.0b**	**49**	**2-77**
NIED	IX	14 10 13 00	35.30N	143.00E	5	4.0W		**¶601851682**
IDC	IX	14 10 13 15.5–.89	35.20N	142.97E	0	4.0,3.8		
JMA	IX	14 10 13 16.2–.50	35.35N	143.00E	63	3.7,3.8		
ISCJB	IX	14 10 13 19.5–.56	35.43N–.04	142.76E–.06	59	4.0b,3.3s		
NEIC	IX	14 10 13 20.3–.66	35.22N	142.94E	35	4.4b,3.3s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ42.00000°,λ-108.00000°. NP2:ϕ_s220.00000°,δ50.00000°,λ-74.00000°. $M_0$1.01000×10^{15}
IDC Error ellipse: s-maj=23.3km s-min=17.9km az=83.0.
JMA Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=139.2.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.3km az=57.0.

ISC	**IX**	**14 18 29 30.4–1.8**	**36.22N–.09**	**144.0E–.10**	**35**		**25**	**3-60**
NIED	IX	14 18 29 00	36.30N	143.80E	5	3.5W		**¶601863543**
IDC	IX	14 18 29 19.4–12	36.92N	144.75E	0	3.6,3.4L		
ISCJB	IX	14 18 29 29.9–1.0	36.15N–.08	143.85E–.07	33	3.4b,3.4L		
JMA	IX	14 18 29 30.8–.30	36.25N	143.83E	68	3.7,3.4L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ24.00000°,λ-113.00000°. NP2:ϕ_s234.00000°,δ68.00000°,λ-80.00000°. $M_0$1.94000×10^{14}
IDC Error ellipse: s-maj=262.8km s-min=48.1km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.5km az=26.4.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

JMA	**IX**	**15 15 59 47.0–.20**	**37.64N**	**144.52E**	**44**	**3.6**		
								¶606031114

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**16 07 58 19.3–.62**	**39.36N–.05**	**144.68E–.06**	**35**	**4.2b,3.5s**	**88**	**2-87**
NIED	IX	16 07 58 00	39.40N	144.60E	5	4.4W,3.5s		**¶601834601**
IDC	IX	16 07 58 13.4–.63	39.19N	144.81E	0	4.3,4.2		
NEIC	IX	16 07 58 15.3–.35	39.24N	144.78E	10	4.5b,4.2		
JMA	IX	16 07 58 17.3–.20	39.42N	144.60E	43	4.5,4.2		
ISCJB	IX	16 07 58 18.0–.39	39.43N–.03	144.57E–.04	33	4.2b,3.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ24.00000°,λ-96.00000°. NP2:ϕ_s192.00000°,δ67.00000°,λ-87.00000°. $M_0$4.94000×10^{15}
NEIC Event type se.
ISCJB Event type se.

ISC	**IX**	**16 08 13 03.8–1.1**	**39.34N–.05**	**144.71E–.08**	**23**	**3.5b**	**43**	**2-60**
NIED	IX	16 08 13 00	39.40N	144.60E	5	3.8W		**¶601863639**
IDC	IX	16 08 13 00.9–1.4	39.19N	144.88E	0	3.7,3.5		
ISCJB	IX	16 08 13 02.4–.70	39.36N–.03	144.65E–.05	23	3.4b,3.5		
JMA	IX	16 08 13 05.4–.20	39.44N	144.57E	46	3.7,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ24.00000°,λ-95.00000°. NP2:ϕ_s197.00000°,δ66.00000°,λ-88.00000°. $M_0$6.28000×10^{14}
IDC Error ellipse: s-maj=33.5km s-min=28.8km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=31.7.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC IX 16 08 40 17.1–1.0 39.33N–.05 144.69E–.08 23 3.5b 41 2-63
NIED IX 16 08 40 00 39.40N 144.60E 5 3.7W **¶601863640**
IDC IX 16 08 40 14.1–1.2 39.19N 144.90E 0 3.7,3.6
ISCJB IX 16 08 40 15.6–.70 39.38N–.04 144.67E–.06 23 3.3b,3.6
JMA IX 16 08 40 18.4–.20 39.40N 144.58E 52 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ22.00000°,λ-134.00000°. NP2:ϕ_s223.00000°,δ74.00000°,λ-74.00000°. $M_0$4.48000×10^{14}
IDC Error ellipse: s-maj=31.2km s-min=20.9km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.2km az=32.3.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
JMA IX 16 12 15 55.8–.20 38.03N 144.35E 31 3.5
¶606031524
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA IX 16 14 48 39.5–.20 37.95N 144.17E 39 3.6
¶606031580
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA IX 17 00 51 07.4–.30 37.37N 142.38E 19–5 3.6
NIED IX 17 00 51 00 37.40N 142.40E 5 3.5W **¶603676144**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ26.00000°,λ-109.00000°. NP2:ϕ_s204.00000°,δ66.00000°,λ-81.00000°. $M_0$2.29000×10^{14}
ISC IX 18 11 42 14.9–1.6 37.26N–.05 144.0E–.10 35 3.6b 23 2-61
ISCJB IX 18 11 42 13.6–.93 37.22N–.04 143.93E–.07 33 3.8b,3.2s **¶601863758**
IDC IX 18 11 42 14.7–2.0 36.62N 144.15E 0 3.9,3.8
JMA IX 18 11 42 15.9–.20 37.37N 143.86E 47 3.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.1km az=178.1.
IDC Error ellipse: s-maj=42.4km s-min=28.7km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA IX 18 22 19 30.7–.20 37.46N 142.48E 17–4 3.5
¶606032525
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC IX 19 00 49 26.4–279 37.27N 142.12E 0
¶601863793
IDC Error ellipse: s-maj=97.9km s-min=53.2km az=38.0.
ISC IX 19 06 06 23.4–2.1 37.79N–.05 142.28E–.08 25–14 3.8b,3.4s 35 1-146
NIED IX 19 06 06 00 37.90N 142.30E 32 4.0W,3.4s **¶606032638**
ISCJB IX 19 06 06 23.6–1.1 37.84N–.05 142.34E–.09 42–10 3.7b,3.3s
JMA IX 19 06 06 23.8–.20 37.94N 142.28E 27–2 3.9,3.3s
IDC IX 19 06 06 26.4–2.5 37.77N 142.37E 53–23 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ19.00000°,λ-27.00000°. NP2:ϕ_s233.00000°,δ82.00000°,λ-107.00000°. $M_0$1.15000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.1km az=23.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=15.3km az=97.0.
JMA IX 20 07 36 30.8–.20 37.62N 144.74E 49 3.8
¶606033212
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IX 20 18 32 09.8–.68 39.62N–.04 143.40E–.05 28–4 4.7b,4.6s 279 1-144
NIED IX 20 18 32 00 39.60N 143.60E 23 4.8W,4.6s **¶601734537**
IDC IX 20 18 32 06.0–.53 39.58N 143.29E 0 4.5,4.5
JMA IX 20 18 32 06.2–.20 39.64N 143.64E 30 4.9,4.5
BJI IX 20 18 32 07.7 39.63N 143.18E 19 5.1b,4.8b
ISCJB IX 20 18 32 07.6–.90 39.70N–.03 143.35E–.04 17–6 4.7b,4.5s
MOS IX 20 18 32 09.1–1.1 39.64N 143.40E 33 5.1b,4.7s
NEIC IX 20 18 32 11.5–.89 39.61N 143.34E 38–7 5.1b,4.7s
GCMT IX 20 18 32 12.5–.50 39.73N–.03 143.72E–.04 38–1 4.9W,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ30.00000°,λ74.00000°. NP2:ϕ_s28.00000°,δ61.00000°,λ99.00000°. $M_0$2.06000×10^{16}
JMA Felt [I] J1.
ISCJB Event type fe.
NEIC Event type se. Recorded [1 JMA] in Iwate and Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c39; s54,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.16 $M_{\theta\theta}$0.07±.10; $M_{\phi\phi}$-2.11±.11; $M_{r\theta}$0.44±.09; $M_{\theta\phi}$-0.20±.07; $M_{\phi r}$1.23±.07; Best double couple:ϕ_s13.00000°,δ61.00000°,λ98.00000°. NP2:ϕ_s177.00000°,δ30.00000°,λ76.00000°. Principal axes: T 2.4360,Plg73.0000° ,Azm302.0000°; N 0.0470,Plg7.0000°,Azm189.0000°; P -2.4850,Plg16.0000°,Azm97.0000° $M_0$2.46100×10^{16}
ISC IX 21 06 43 44.9–1.2 34.50N–.06 141.71E–.10 21 3.6b 17 1-72
IDC IX 21 06 43 41.5–1.1 34.38N 141.80E 0 3.6,3.5 **¶601863942**
ISCJB IX 21 06 43 42.9–.91 34.46N–.06 141.83E–.08 21 3.6b,3.3s
JMA IX 21 06 43 43.4–.50 34.44N 141.80E 30–3 3.1,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=20.2km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=8.0km az=173.1.
JMA Error ellipse: s-maj=3.3km s-min=3.7km az=-1.0.
ISC IX 21 19 36 50.6–.93 36.87N–.04 142.41E–.04 23–6 4.5b,3.8s 205 1-146
NIED IX 21 19 36 00 36.90N 142.40E 14 4.2W,3.8s **¶601736474**
ISCJB IX 21 19 36 46.8–.91 36.92N–.03 142.36E–.02 6–5 4.4b,3.8s
IDC IX 21 19 36 47.5–.58 36.89N 142.31E 0 4.2L,4.2
JMA IX 21 19 36 47.9–.20 36.92N 142.43E 32 4.4,4.2
BJI IX 21 19 36 49.5 36.57N 142.03E 16 4.8b,4.5b
MOS IX 21 19 36 50.8–1.5 37.02N 142.37E 33 4.5b,4.5b
NEIC IX 21 19 36 51.5–1.8 36.85N 142.34E 27–12 4.6b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ35.00000°,λ-98.00000°. NP2:ϕ_s197.00000°,δ55.00000°,λ-84.00000°. $M_0$2.64000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=177.1.
IDC Error ellipse: s-maj=16.1km s-min=13.8km az=100.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=6.4km az=96.2.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=122.0.
ISC IX 22 22 32 02.3–.91 36.10N–.05 142.93E–.07 35 3.5b 37 2-80
IDC IX 22 22 31 57.9–1.0 35.82N 143.32E 0 3.9,3.8L **¶601777932**
ISCJB IX 22 22 32 00.6–.61 36.09N–.05 142.92E–.05 33 3.6b,3.8L
JMA IX 22 22 32 02.1–.40 36.10N 142.73E 88 3.3,3.8L
NEIC IX 22 22 32 03.0–.99 36.06N 142.94E 35 4.2b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=24.1km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.6km az=153.2.
JMA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.8km az=152.0.
JMA IX 23 03 55 50.2–.20 39.65N 143.35E 13–2 3.5
NIED IX 23 03 55 00 39.60N 143.30E 26 3.4W **¶603679317**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ24.00000°,λ71.00000°. NP2:ϕ_s36.00000°,δ67.00000°,λ98.00000°. $M_0$1.64000×10^{14}
JMA IX 23 06 06 09.6–.30 37.60N 144.29E 41 3.5
¶606034934
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC IX 24 01 58 49.4–.84 35.95N–.06 142.90E–.07 35 3.8b 26 2-146
IDC IX 24 01 58 44.6–.80 35.81N 143.10E 0 3.9,3.6 **¶601864068**
ISCJB IX 24 01 58 47.6–.65 35.96N–.06 142.87E–.06 33 3.6b,3.6
JMA IX 24 01 58 47.6–.20 36.02N 142.86E 57 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=19.7km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.5km az=9.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 24 21 43 55.4–.91 37.59N–.06 144.78E–.08 35 3.7b 45 3-66
NIED IX 24 21 43 00 37.60N 144.60E 11 3.8W **¶601864118**
IDC IX 24 21 43 50.4–1.0 37.60N 145.00E 0 4.1L,3.8
ISCJB IX 24 21 43 53.9–.59 37.58N–.04 144.68E–.05 33 3.7b,3.8
JMA IX 24 21 43 56.1–.20 37.63N 144.56E 55 4.2,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ27.00000°,λ-110.00000°. NP2:ϕ_s228.00000°,δ65.00000°,λ-80.00000°. $M_0$4.85000×10^{14}
IDC Error ellipse: s-maj=26.2km s-min=16.5km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=36.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IX 25 14 21 38.8–.67 36.11N–.04 142.45E–.04 19–2 5.0b,4.3s 602 1-154
NIED IX 25 14 21 00 36.20N 142.30E 20 4.6W,4.3s **¶601739654**
IDC IX 25 14 21 35.7–.41 36.13N 142.43E 0 4.8,4.7
MOS IX 25 14 21 36.3–.89 36.11N 142.35E 14 5.1b,4.2s
ISCJB IX 25 14 21 36.7–.81 36.16N–.02 142.34E–.02 12–5 4.8b,4.2s
BJI IX 25 14 21 37.6 36.03N 142.15E 16 5.1b,5.1b
JMA IX 25 14 21 39.3–.20 36.19N 142.35E 55 4.7,5.1b
NEIC IX 25 14 21 39.3–1.2 36.11N 142.32E 21–8 5.0b,5.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ20.00000°,λ-168.00000°. NP2:ϕ_s172.00000°,δ86.00000°,λ-71.00000°. $M_0$9.78000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=110.0.
MOS Error ellipse: s-maj=6.5km s-min=4.8km az=122.4.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=176.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=137.0. Recorded [1 JMA] in Fukushima, Miyagi and Tochigi.
ISC IX 25 14 37 44.6–1.3 36.19N–.05 142.34E–.09 26 3.7b 31 1-60
ISCJB IX 25 14 37 43.3–.84 36.18N–.04 142.35E–.07 26 3.6b **¶601864155**
JMA IX 25 14 37 44.5–.20 36.20N 142.33E 60 3.4
IDC IX 25 14 37 56.4–3.7 35.59N 141.14E 92–33 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=167.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=21.6km az=85.0.
ISC IX 26 01 09 47.5–.98 39.76N–.06 143.13E–.07 18 3.6b 27 1-72
JMA IX 26 01 09 43.5–.20 39.50N 143.50E 24 3.8 **¶601864178**
IDC IX 26 01 09 46.5–1.2 39.96N 142.71E 0 3.8,3.7
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=26.1km az=83.0.
ISC IX 26 02 49 17.0–.97 36.23N–.05 142.47E–.05 32–6 4.6b,3.9s 199 1-146
NIED IX 26 02 49 00 36.20N 142.30E 17 4.2W,3.9s **¶601740408**
BJI IX 26 02 49 10.0 36.20N 142.50E 10 4.8b,4.7b
IDC IX 26 02 49 11.8–.53 36.12N 142.41E 0 4.5,4.4
ISCJB IX 26 02 49 13.4–1.0 36.22N–.03 142.39E–.03 15–6 4.6b,3.9s
JMA IX 26 02 49 15.2–.20 36.20N 142.35E 68 4.2,3.9s
NEIC IX 26 02 49 16.7–2.0 36.10N 142.36E 31–14 4.6b,3.9s
MOS IX 26 02 49 17.2–.96 36.54N 142.35E 34 4.9b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ27.00000°,λ-5.00000°. NP2:ϕ_s217.00000°,δ88.00000°,λ-117.00000°. $M_0$2.36000×10^{15}
IDC Error ellipse: s-maj=14.1km s-min=12.7km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=166.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.9km az=137.0.
MOS Error ellipse: s-maj=8.3km s-min=5.5km az=107.5.
ISC IX 26 05 07 22.8–1.5 33.46N–.06 141.1E–.10 48 20 1-57
IDC IX 26 05 07 17.7–2.2 33.32N 141.21E 0 4.0,3.9b **¶601864188**
ISCJB IX 26 05 07 21.1–.97 33.47N–.05 141.20E–.08 48 3.9b,3.9b
JMA IX 26 05 07 22.4–.30 33.57N 141.07E 40 3.4,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=22.5km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.5km az=12.1.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
JMA IX 26 13 40 27.3–.10 40.91N 145.04E 68–2 3.5
NIED IX 26 13 40 00 40.90N 145.00E 5 3.5W **¶603680817**
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ39.00000°,λ-106.00000°. NP2:ϕ_s226.00000°,δ53.00000°,λ-78.00000°. $M_0$2.24000×10^{14}
ISC IX 26 14 14 26.6–2.3 37.08N–.06 142.38E–.07 1–13 25 1-61
NIED IX 26 14 14 00 37.10N 142.50E 11 3.4W **¶601864209**
JMA IX 26 14 14 26.1–.30 37.05N 142.52E 10–4 3.6
IDC IX 26 14 14 27.2–1.9 37.02N 142.69E 0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ49.00000°,λ-124.00000°. NP2:ϕ_s222.00000°,δ51.00000°,λ-58.00000°. $M_0$1.53000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=37.9km s-min=32.6km az=69.0.
ISC IX 27 19 01 46.5–1.1 40.75N–.05 145.24E–.07 29 3.4b 43 2-65
IDC IX 27 19 01 41.9–2.5 40.74N 145.69E 0 3.5,3.5b **¶601864304**
JMA IX 27 19 01 43.6–.20 40.69N 145.36E 46 3.5,3.5b
ISCJB IX 27 19 01 45.0–.69 40.79N–.03 145.14E–.06 29 3.4b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 28 03 27 41.4–1.4 36.69N–.06 142.2E–.10 19 13 1-49
ISCJB IX 28 03 27 39.9–1.2 36.64N–.06 142.3E–.10 19 3.6b **¶601864327**
JMA IX 28 03 27 39.7–.40 36.63N 142.28E 17 3.2
IDC IX 28 03 27 39.2–5.9 36.72N 142.36E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=9.0km az=176.6.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=146.8km s-min=32.9km az=163.0.
ISC IX 28 11 36 59.0–.74 36.84N–.05 143.76E–.04 25–4 4.8b,4.0s 546 2-145
NIED IX 28 11 36 00 36.90N 143.60E 11 4.5W,4.0s **¶601767272**
IDC IX 28 11 36 54.5–.52 36.72N 143.80E 0 4.8L,4.6
BJI IX 28 11 36 56.6 36.80N 143.70E 18 5.2b,4.6b
NEIC IX 28 11 36 57.3–1.7 36.78N 143.73E 13–10 4.9b,4.6b
JMA IX 28 11 36 58.9–.20 36.87N 143.57E 61 4.6,4.6b
MOS IX 28 11 36 58.1–.88 37.11N 143.66E 21 4.9b,4.6b
ISCJB IX 28 11 36 58.8–.15 36.87N–.03 143.59E–.02 33 4.7b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ45.00000°,λ-135.00000°. NP2:ϕ_s78.00000°,δ60.00000°,λ-54.00000°. $M_0$5.61000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC IX 29 10 11 15.1–.43 39.78N–.04 143.94E–.05 10 4.6b,4.1s 219 2-148
NIED IX 29 10 11 00 39.90N 143.70E 11 4.5W,4.1s **¶601768534**
BJI IX 29 10 11 12.9 39.77N 143.85E 10 5.1b,4.8b
IDC IX 29 10 11 14.7–.53 39.80N 143.69E 0 4.4,4.4
ISCJB IX 29 10 11 14.3–.28 39.82N–.02 143.78E–.04 10 4.5b,4.0s
JMA IX 29 10 11 15.7–.30 39.89N 143.73E 18 4.6,4.0s
MOS IX 29 10 11 16.3–1.1 39.90N 143.71E 21 4.8b,4.0s
NEIC IX 29 10 11 18.1–1.7 39.78N 143.81E 26–11 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ39.00000°,λ43.00000°. NP2:ϕ_s39.00000°,δ64.00000°,λ121.00000°. $M_0$6.58000×10^{15}
IDC Error ellipse: s-maj=13.5km s-min=12.4km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=30.5.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
MOS Error ellipse: s-maj=8.3km s-min=5.0km az=109.7.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.2km az=111.0.
ISC IX 29 21 51 24.2–2.6 39.79N–.05 143.88E–.06 17–16 4.3b,3.3s 127 2-81
NIED IX 29 21 51 00 39.90N 143.60E 11 4.2W,3.3s **¶601768542**
BJI IX 29 21 51 18.3 39.81N 144.16E 6 4.9b,4.5b
MOS IX 29 21 51 21.6–1.1 39.80N 143.88E 12 4.4b,4.5b
IDC IX 29 21 51 21.9–.68 39.74N 143.82E 0 4.2,4.1
NEIC IX 29 21 51 22.3–.50 39.66N 144.00E 10 4.5b,4.1
JMA IX 29 21 51 25.2–.20 39.86N 143.65E 32 4.4,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ41.00000°,λ49.00000°. NP2:ϕ_s41.00000°,δ60.00000°,λ120.00000°. $M_0$2.20000×10^{15}
MOS Error ellipse: s-maj=9.7km s-min=6.2km az=96.2.
IDC Error ellipse: s-maj=17.4km s-min=15.2km az=120.0.

NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.2km az=119.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC IX 30 00 11 53.5–1.3 39.23N–.08 143.66E–.09 23 3.6b 27 1-73
NIED IX 30 00 11 00 39.20N 143.80E 14 3.7W **¶601857508**
JMA IX 30 00 11 49.3–.10 39.17N 143.82E 18 3.9
ISCJB IX 30 00 11 51.5–.88 39.25N–.05 143.73E–.08 23 3.5b
IDC IX 30 00 11 56.0–4.5 39.25N 143.63E 38–33 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ36.00000°,λ83.00000°. NP2:ϕ_s16.00000°,δ54.00000°,λ95.00000°. $M_0$3.85000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.1km az=30.3.
IDC Error ellipse: s-maj=44.3km s-min=26.6km az=142.0.
ISC X 01 01 00 42.9–.65 39.98N–.04 143.15E–.04 27–3 4.6b,4.4s 316 1-148
NIED X 01 01 00 00 39.80N 143.60E 23 4.7W,4.4s **¶601776273**
IDC X 01 01 00 36.5–.59 39.65N 143.38E 0 4.5,4.4
JMA X 01 01 00 36.2–.20 39.77N 143.64E 20 4.7,4.4
ISCJB X 01 01 00 41.7–.95 39.93N–.03 143.06E–.04 26–6 4.5b,4.3s
MOS X 01 01 00 42.3–1.2 39.97N 142.86E 29 4.9b,4.4s
NEIC X 01 01 00 42.6–2.4 40.06N 142.76E 11–14 4.5b,4.4s
BJI X 01 01 00 45.6 39.94N 142.74E 48 5.0b,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ29.00000°,λ73.00000°. NP2:ϕ_s30.00000°,δ62.00000°,λ99.00000°. $M_0$1.16000×10^{16}
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=142.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=35.3.
MOS Error ellipse: s-maj=8.1km s-min=4.8km az=113.4.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=154.0.
ISC X 01 22 21 46.1–.37 39.82N–.02 143.21E–.02 18–1 5.9s,5.7b 1990 1-163
NIED X 01 22 21 00 39.80N 143.50E 20 6.0W,5.7b **¶601776277**
BJI X 01 22 21 41.8 39.74N 143.12E 7 6.5,6.5s
IDC X 01 22 21 42.9–.38 39.81N 143.24E 0 6.0,6.0s
JMA X 01 22 21 42.6–.20 39.83N 143.52E 22–4 6.3,6.0s
ISCJB X 01 22 21 43.6–.51 39.79N–.02 143.20E–.01 11–3 5.9s,5.6b
NEIC X 01 22 21 45.0–.00 39.85N 143.05E 19 5.9s,5.6b
NEIC X 01 22 21 46.0–.07 39.81N 143.10E 15 6.1,6.1W
MOS X 01 22 21 47.3–.92 39.89N 143.11E 36 6.1s,5.9b
GCMT X 01 22 21 50.0–.10 39.86N 143.30E 21–0 6.0W,5.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ25.00000°,λ40.00000°. NP2:ϕ_s40.00000°,δ74.00000°,λ110.00000°. $M_0$1.29000×10^{18}
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=100.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=158.5.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.08 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s20.00000° ,δ81.00000°,λ91.00000°. NP2:ϕ_s191.00000°,δ9.00000°,λ81.00000°. Principal axes: T 1.6500,Plg53.0000°,Azm291.0000°; N -0.1000,Plg1.0000°,Azm199.0000° ; P -1.5500,Plg36.0000°,Azm108.0000° $M_0$1.60000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=146.0. Felt at Misawa, Miyako, Tagajo, Wakuya and Yuzawa. Recorded [3 JMA] in Akita, Aomori, Iwate and Miyagi. Also recorded [3 JMA] in southwestern Hokkaido. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.65 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ16.00000°,λ88.00000°. NP2:ϕ_s33.00000° ,δ74.00000°,λ91.00000°. Principal axes: T 1.2600,Plg61.0000°,Azm304.0000° ; N 0.1400,Plg1.0000°,Azm212.0000°; P -1.4000,Plg29.0000°,Azm122.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ10.00000° ,λ90.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm290.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm110.0000°
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=98.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c287; s143,c481; Duration: 2$\pm$5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.73$\pm$.01 $M_{\theta\theta}$0.01$\pm$.01; $M_{\phi\phi}$-0.74$\pm$.01; $M_{r\theta}$0.60$\pm$.01; $M_{\theta\phi}$-0.20$\pm$.00; $M_{\phi r}$1.01$\pm$.02; Best double couple: NP1:ϕ_s28.00000°,δ74.00000° ,λ99.00000°. NP2:ϕ_s179.00000°,δ18.00000°,λ62.00000°. Principal axes: T 1.3930,Plg60.0000°,Azm310.0000°; N 0.0120,Plg8.0000°,Azm206.0000° ; P -1.4050,Plg29.0000°,Azm111.0000° $M_0$1.39900×10^{18}
JMA X 01 22 25 15.3–.20 39.86N 143.40E 21 4.7
¶606038778
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 01 22 55 48.3–.39 39.80N–.04 143.33E–.04 21–3 5.1b 904 1-146
NIED X 01 22 55 00 39.80N 143.50E 23 5.0W **¶601776279**
JMA X 01 22 55 44.6–.20 39.78N 143.53E 20–4 5.0
ISCJB X 01 22 55 47.5–.82 39.76N–.02 143.22E–.02 24–5 5.7s,5.0b
NEIC X 01 22 55 47.2–.12 39.74N 143.19E 10 5.2b,5.0b
BJI X 01 22 55 48.2 39.78N 143.19E 33 5.7b,5.2s
MOS X 01 22 55 49.7–.92 39.88N 143.20E 36 5.4b,5.2s
IDC X 01 22 55 49.2–4.1 39.70N 143.30E 28–28 4.7s,4.7
GCMT X 01 22 55 52.2–.40 39.79N–.03 143.35E–.03 14 5.3W,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ22.00000°,λ89.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ91.00000°. $M_0$3.95000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Iwate.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c60; s62,c81;Duration: 1$\pm$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.31$\pm$.03 $M_{\theta\theta}$-0.04$\pm$.02; $M_{\phi\phi}$-0.27$\pm$.02; $M_{r\theta}$0.48$\pm$.05; $M_{\theta\phi}$-0.05$\pm$.02; $M_{\phi r}$0.88$\pm$.05; Best double couple: NP1:ϕ_s28.00000°,δ82.00000°,λ94.00000°. NP2:ϕ_s184.00000°,δ9.00000°,λ66.00000°. Principal axes: T 1.0650,Plg53.0000° ,Azm302.0000°; N -0.0480,Plg4.0000°,Azm207.0000°; P -1.0180,Plg37.0000° ,Azm115.0000° $M_0$1.04100×10^{17}
JMA X 01 23 49 58.2–.20 39.75N 143.49E 26 3.6
¶606038802
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 01 23 52 11.3–3.4 39.83N–.05 143.30E–.06 3–21 4.0b 61 1-75
IDC X 01 23 52 10.3–.75 39.66N 143.33E 0 4.0,3.9b **¶601836631**
NEIC X 01 23 52 12.0–.42 39.70N 143.38E 10 4.4b,3.9b
JMA X 01 23 52 11.9–.20 39.82N 143.36E 23–4 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=16.2km az=125.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.3km az=131.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 02 01 51 36.0–.87 39.71N–.04 143.41E–.04 11–4 4.8b,4.2s 316 1-146
NIED X 02 01 51 00 39.60N 143.70E 23 4.4W,4.2s **¶601780642**
JMA X 02 01 51 33.5–.10 39.65N 143.69E 24 4.7,4.2s
IDC X 02 01 51 33.8–.61 39.57N 143.42E 0 4.6,4.5
ISCJB X 02 01 51 35.8–.86 39.65N–.03 143.45E–.04 21–5 4.7b,4.2s
BJI X 02 01 51 36.2 39.66N 143.35E 29 4.9b,4.8b
MOS X 02 01 51 38.9–.91 39.84N 143.25E 33 4.9b,4.0s
NEIC X 02 01 51 38.8–1.3 39.65N 143.27E 27–3 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ33.00000°,λ84.00000°. NP2:ϕ_s29.00000°,δ58.00000°,λ94.00000°. $M_0$5.02000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=12.3km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.0km az=38.7.
MOS Error ellipse: s-maj=7.6km s-min=4.8km az=108.7.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=10.4km az=117.0. Recorded [1 JMA] in Iwate.
ISC X 02 02 09 43.6–2.9 39.67N–.04 143.48E–.06 15–16 4.2b 79 1-81
NIED X 02 02 09 00 39.70N 143.70E 23 4.0W **¶601874826**
JMA X 02 02 09 40.8–.20 39.66N 143.68E 21 4.1
IDC X 02 02 09 40.9–.92 39.61N 143.53E 0 4.2,4.0
ISCJB X 02 02 09 42.4–1.4 39.61N–.03 143.62E–.05 25–10 4.1b,3.4s
NEIC X 02 02 09 42.0–.46 39.57N 143.69E 10 4.6b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ35.00000°,λ95.00000°. NP2:ϕ_s22.00000°,δ55.00000°,λ87.00000°. $M_0$9.93000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=16.1km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=25.9.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=111.0.
JMA X 02 10 27 25.1–.20 39.82N 143.51E 24 3.6
NIED X 02 10 27 00 39.80N 143.50E 23 3.7W **¶603683409**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ33.00000°,λ55.00000°. NP2:ϕ_s35.00000°,δ63.00000°,λ110.00000°. $M_0$3.48000×10^{14}
ISC X 02 11 37 52.4–.73 39.80N–.04 143.35E–.05 30–4 4.7b,4.3s 254 1-144
NIED X 02 11 37 00 39.80N 143.40E 17 4.6W,4.3s **¶601776290**
IDC X 02 11 37 47.7–.55 39.70N 143.31E 0 4.5,4.4
JMA X 02 11 37 49.9–.20 39.79N 143.39E 28–4 4.7,4.4
ISCJB X 02 11 37 50.1–.80 39.79N–.02 143.35E–.03 24–5 4.6b,4.3s
BJI X 02 11 37 50.8 39.67N 143.01E 23 4.9b,4.8b
MOS X 02 11 37 51.7–1.1 39.81N 143.30E 36 4.9b,4.0s
NEIC X 02 11 37 53.1–1.4 39.74N 143.23E 32–10 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ14.00000°,λ46.00000°. NP2:ϕ_s40.00000°,δ80.00000°,λ100.00000°. $M_0$7.71000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=13.0km az=101.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=38.3.
MOS Error ellipse: s-maj=7.9km s-min=4.9km az=103.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.2km az=130.0. Recorded [1 JMA] in Iwate and Miyagi.
JMA X 02 11 39 41.8–.20 39.75N 143.36E 22 3.8
NIED X 02 11 39 00 39.70N 143.40E 23 3.9W **¶603683433**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ27.00000°,λ67.00000°. NP2:ϕ_s30.00000°,δ65.00000°,λ101.00000°. $M_0$7.48000×10^{14}
JMA X 03 05 10 34.2–.20 39.79N 143.21E 15–2 3.5
NIED X 03 05 10 00 39.80N 143.20E 20 3.5W **¶603683792**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ25.00000°,λ47.00000°. NP2:ϕ_s39.00000°,δ72.00000°,λ107.00000°. $M_0$1.80000×10^{14}
JMA X 03 18 10 11.0–.20 38.28N 144.35E 39 3.8
NIED X 03 18 10 00 38.30N 144.30E 8 3.6W **¶603684016**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ26.00000°,λ-83.00000°. NP2:ϕ_s193.00000°,δ64.00000°,λ-93.00000°. $M_0$3.28000×10^{14}
ISC X 04 04 58 42.4–.79 36.40N–.06 142.54E–.08 19 4.0b,3.6s 38 2-146
NIED X 04 04 58 00 36.40N 142.60E 8 4.2W,3.6s **¶601997003**
ISCJB X 04 04 58 40.1–.64 36.40N–.05 142.59E–.06 19 3.9b,3.6s
JMA X 04 04 58 41.6–.20 36.43N 142.57E 57 3.8,3.6s
IDC X 04 04 58 53.3–2.5 36.13N 141.82E 102–22 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ38.00000°,λ92.00000°. NP2:ϕ_s23.00000°,δ52.00000°,λ88.00000°. $M_0$1.89000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=43.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=20.5km s-min=16.3km az=88.0.
ISC X 04 07 13 32.6–2.6 36.53N–.04 142.37E–.07 8–15 4.1b 55 1-90
NIED X 04 07 13 00 36.50N 142.60E 8 3.9W **¶601906649**
ISCJB X 04 07 13 31.7–1.7 36.49N–.04 142.52E–.06 20–12 3.9b,3.4s
JMA X 04 07 13 32.2–.20 36.46N 142.56E 65 3.5,3.4s
IDC X 04 07 13 33.8–.86 37.09N 142.39E 0 4.0,3.9b
NEIC X 04 07 13 39.2–.56 37.03N 142.26E 35 4.3b,3.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s213.00000°,δ41.00000°,λ103.00000°. NP2:ϕ_s16.00000°,δ51.00000°,λ79.00000°. $M_0$7.03000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=21.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=20.3km az=48.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.3km az=157.0.
ISC X 04 16 17 37.6–1.6 33.64N–.07 141.2E–.20 58 9 1-77
IDC X 04 16 17 33.8–2.7 33.25N 140.48E 0 4.0,4.0s **¶601997050**
ISCJB X 04 16 17 35.8–1.2 33.64N–.07 141.2E–.20 58 3.9s,3.6b
JMA X 04 16 17 38.3–.40 33.72N 140.93E 40 3.1,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=103.2km s-min=26.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=8.7km az=169.7.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
ISC X 05 14 49 56.4–1.5 37.38N–.06 142.43E–.08 21 23 1-61
NIED X 05 14 49 00 37.40N 142.50E 11 3.5W **¶601997157**
IDC X 05 14 49 53.1–8.7 37.34N 142.90E 0 3.7,3.6b
ISCJB X 05 14 49 54.8–.96 37.34N–.06 142.59E–.07 21 3.8b,3.6b
JMA X 05 14 49 55.2–.20 37.37N 142.51E 18–3 3.6,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ38.00000°,λ-111.00000°. NP2:ϕ_s249.00000°,δ55.00000°,λ-75.00000°. $M_0$1.95000×10^{14}
IDC Error ellipse: s-maj=180.5km s-min=38.2km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.9km az=154.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 06 14 23 37.4–1.7 33.97N–.06 141.6E–.10 24 18 1-58
ISCJB X 06 14 23 35.9–1.1 34.01N–.05 141.73E–.10 24 3.4b,2.9s **¶606040839**
JMA X 06 14 23 37.0–.70 34.01N 141.67E 31 3.2,2.9s
IDC X 06 14 23 41.9–1.5 33.17N 138.16E 0 3.6,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.7km az=170.2.
JMA Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=21.9km az=132.0.
ISC X 07 18 42 05.0–2.5 37.69N–.08 144.8E–.10 35 31 3-62
NIED X 07 18 42 00 37.70N 144.50E 5 3.5W **¶601997405**
ISCJB X 07 18 42 04.7–1.1 37.71N–.05 144.66E–.07 33 3.6b
JMA X 07 18 42 06.6–.20 37.72N 144.53E 45 4.0
IDC X 07 18 42 09.6–1.8 38.17N 144.01E 0 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ24.00000°,λ-127.00000°. NP2:ϕ_s19.00000°,δ72.00000°,λ-75.00000°. $M_0$1.75000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.4km az=40.6.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=41.3km s-min=26.7km az=88.0.
ISC X 07 19 59 13.6–1.5 37.28N–.06 143.83E–.09 35 3.7b 29 2-70
NIED X 07 19 59 00 37.30N 143.70E 5 3.5W **¶601997411**
IDC X 07 19 59 08.6–1.8 37.29N 143.92E 0 3.7b,3.7
ISCJB X 07 19 59 12.3–.92 37.28N–.04 143.81E–.06 33 3.8b,3.4s
JMA X 07 19 59 14.0–.20 37.30N 143.68E 40 3.7,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ21.00000°,λ-81.00000°. NP2:ϕ_s188.00000°,δ69.00000°,λ-94.00000°. $M_0$2.04000×10^{14}
IDC Error ellipse: s-maj=40.1km s-min=26.9km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.4km az=177.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 07 20 49 26.8–1.4 37.29N–.07 143.84E–.09 35 25 2-61
IDC X 07 20 49 22.2–2.1 37.21N 144.10E 0 3.7,3.5 **¶601997419**
ISCJB X 07 20 49 25.6–.90 37.26N–.06 143.79E–.06 33 3.6b,3.5
JMA X 07 20 49 27.5–.20 37.31N 143.68E 42 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=55.6km s-min=33.0km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.9km az=150.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA X 08 07 04 58.9–.20 37.60N 144.51E 44 3.6
¶606041758
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 08 19 47 42.8–1.3 36.50N–.06 142.61E–.09 15 3.3b 23 2-57
IDC X 08 19 47 38.3–1.6 36.06N 142.87E 0 3.5,3.3 **¶601997566**
ISCJB X 08 19 47 40.8–.98 36.50N–.05 142.61E–.08 15 3.3b,3.0s
JMA X 08 19 47 41.7–.20 36.46N 142.65E 42 3.0,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=30.0km az=11.0.

ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.6km az=10.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 10 16 55 23.3–1.7 37.17N–.04 142.08E–.05 2–10 4.0b 61 1-92
NIED X 10 16 55 00 37.20N 141.90E 32 3.9W **¶601839068**
IDC X 10 16 55 23.4–.86 37.18N 142.20E 0 4.0,3.9
NEIC X 10 16 55 28.2–2.0 37.17N 142.13E 32–15 4.3b,3.9
JMA X 10 16 55 28.4–.20 37.24N 141.88E 44–4 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ27.00000°,λ-48.00000°. NP2:ϕ_s290.00000°,δ70.00000°,λ-109.00000°. $M_0$7.77000×10^{14}
IDC Error ellipse: s-maj=22.6km s-min=13.9km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.5km az=106.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA X 12 00 42 30.1–.20 39.43N 143.76E 40 3.9
¶606043472
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA X 12 19 19 58.9–.20 37.12N 143.65E 51 3.5
¶606044139
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 13 11 12 34.6–1.0 37.23N–.06 142.32E–.07 9 3.6b 24 1-61
NIED X 13 11 12 00 37.20N 142.30E 35 3.7W **¶606044471**
ISCJB X 13 11 12 33.7–.73 37.21N–.06 142.34E–.06 9 3.5b,3.3s
IDC X 13 11 12 33.9–1.2 37.16N 142.40E 0 3.7,3.6
JMA X 13 11 12 34.9–.30 37.20N 142.31E 22 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ17.00000°,λ125.00000°. NP2:ϕ_s339.00000°,δ76.00000°,λ80.00000°. $M_0$3.62000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.7km az=178.0.
IDC Error ellipse: s-maj=27.6km s-min=20.6km az=99.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
JMA X 14 08 42 24.4–.20 38.50N 144.58E 38 3.5
¶606045052
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 14 11 11 35.2–.33 38.25N–.03 144.37E–.03 25–1 5.6b,4.9s 1810 2-159
NIED X 14 11 11 00 38.30N 144.30E 5 5.3W,4.9s **¶601841765**
ISCJB X 14 11 11 30.9–.52 38.24N–.02 144.31E–.01 6–3 5.5b,5.0s
IDC X 14 11 11 31.1–.35 38.21N 144.49E 0 5.3,5.3
JMA X 14 11 11 34.2–.10 38.28N 144.26E 46 5.4,5.3
BJI X 14 11 11 35.3 38.42N 144.07E 19 5.6b,5.4s
GCMT X 14 11 11 35.4–.10 38.29N–.01 144.34E–.01 12 5.4W,5.4s
MOS X 14 11 11 35.5–.95 38.36N 144.29E 37 5.6b,4.8s
NEIC X 14 11 11 36.4–.85 38.22N 144.33E 34–6 5.6b,4.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s183.00000°,δ57.00000°,λ-91.00000°. $M_0$1.06000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=164.5.
IDC Error ellipse: s-maj=10.5km s-min=9.3km az=57.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c143; s131,c306;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52±.02 $M_{\theta\theta}$-0.08±.02; $M_{\phi\phi}$1.59±.02; $M_{r\theta}$0.06±.05; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$0.37±.05; Best double couple: NP1:ϕ_s185.00000°,δ52.00000°,λ-89.00000°. NP2:ϕ_s3.00000°,δ38.00000°,λ-92.00000°. Principal axes: T 1.6420,Plg7.0000° ,Azm274.0000°; N -0.0840,Plg1.0000°,Azm4.0000°; P -1.5650,Plg83.0000°,Azm104.0000° $M_0$1.60400×10^{17}
MOS Error ellipse: s-maj=6.9km s-min=5.4km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=146.0. Recorded [2 JMA] in Aomori and Miyagi.
ISC X 14 16 03 27.6–.82 36.15N–.05 142.40E–.06 18 3.6b 33 1-90
IDC X 14 16 03 25.3–.80 36.01N 142.35E 0 3.8,3.6 **¶601998232**
ISCJB X 14 16 03 26.6–.61 36.18N–.05 142.38E–.05 18 3.6b,3.6
JMA X 14 16 03 28.5–.20 36.19N 142.37E 68 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=18.9km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=153.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 14 17 17 27.7–.69 33.47N–.05 141.00E–.07 48 3.9b 39 1-149
NIED X 14 17 17 00 33.50N 141.00E 44 3.9W **¶601998241**
ISCJB X 14 17 17 26.2–.55 33.46N–.04 141.05E–.05 48 3.9b,3.2s
JMA X 14 17 17 27.3–.10 33.51N 140.97E 57–5 3.8,3.2s
IDC X 14 17 17 29.0–2.0 33.43N 140.89E 58–17 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ37.00000°,λ103.00000°. NP2:ϕ_s183.00000°,δ54.00000°,λ80.00000°. $M_0$7.04000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=14.3.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=10.7km az=86.0.
ISC X 15 14 43 17.7–.88 39.85N–.05 143.40E–.07 6 3.9b 52 1-67
NIED X 15 14 43 00 39.90N 143.30E 20 3.9W **¶601843587**
IDC X 15 14 43 14.7–.97 39.91N 143.92E 0 3.8,3.8b
ISCJB X 15 14 43 15.6–.52 39.84N–.03 143.48E–.05 6 4.0b,3.2s
JMA X 15 14 43 18.4–.20 39.93N 143.33E 15–3 3.8,3.2s
NEIC X 15 14 43 20.0–1.2 39.85N 143.74E 36–9 4.0b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ18.00000°,λ52.00000°. NP2:ϕ_s34.00000°,δ75.00000°,λ102.00000°. $M_0$8.09000×10^{14}
IDC Error ellipse: s-maj=25.0km s-min=16.5km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=21.5.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.7km az=99.0.
ISC X 15 16 48 11.7–.63 37.68N–.05 142.59E–.07 21 4.2b 75 1-83
NIED X 15 16 48 00 37.60N 142.70E 11 4.0W **¶606045708**
IDC X 15 16 48 08.6–.74 37.64N 142.66E 0 4.2,4.1
ISCJB X 15 16 48 09.6–.40 37.69N–.04 142.66E–.05 21 4.1b,3.6s
JMA X 15 16 48 10.9–.30 37.66N 142.45E 19–4 4.3,3.6s
NEIC X 15 16 48 11.9–1.7 37.66N 142.67E 24–11 4.6b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ18.00000°,λ-47.00000°. NP2:ϕ_s50.00000°,δ77.00000°,λ-102.00000°. $M_0$1.04000×10^{15}
IDC Error ellipse: s-maj=19.8km s-min=14.9km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.8km az=43.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.2km az=102.0. Recorded [1 JMA] in Miyagi.
ISC X 15 19 26 40.6–1.4 36.56N–.05 143.3E–.10 35 23 2-61
IDC X 15 19 26 37.2–2.0 36.46N 143.45E 0 3.7,3.7 **¶601998368**
ISCJB X 15 19 26 39.8–.94 36.58N–.04 143.28E–.08 33 3.7b,3.5s
JMA X 15 19 26 41.6–.20 36.57N 143.17E 56 3.1,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=31.4km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.0km az=171.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 16 00 57 39.9–.90 36.55N–.07 143.19E–.07 29 3.3b 24 2-89
IDC X 16 00 57 35.7–1.0 36.42N 143.47E 0 3.7,3.5 **¶601998398**
ISCJB X 16 00 57 38.2–.68 36.55N–.06 143.22E–.06 29 3.3b,3.5
JMA X 16 00 57 38.2–.20 36.55N 143.24E 51 3.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=25.1km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.9km az=17.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA X 16 23 51 03.7–.20 37.52N 142.90E 24–4 3.5
¶606046268
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 17 11 39 44.9–3.9 37.91N–.06 142.44E–.07 14–24 3.6b 29 1-62
NIED X 17 11 39 00 37.90N 142.60E 20 3.8W **¶606046496**
IDC X 17 11 39 42.7–1.0 37.86N 142.47E 0 3.7,3.7
ISCJB X 17 11 39 43.6–1.5 37.89N–.05 142.56E–.07 21–10 3.6b,3.7
JMA X 17 11 39 44.0–.20 37.86N 142.56E 31–2 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s118.00000°,δ39.00000°,λ179.00000°. NP2:ϕ_s209.00000°,δ89.00000°,λ51.00000°. $M_0$5.03000×10^{14}
IDC Error ellipse: s-maj=27.4km s-min=17.2km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.9km az=25.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 18 00 45 12.7–1.0 36.60N–.06 143.75E–.08 35 3.5b 24 2-89
IDC X 18 00 45 07.8–1.2 36.45N 144.09E 0 3.7,3.6 **¶601998725**
ISCJB X 18 00 45 11.2–.81 36.69N–.06 143.71E–.06 33 3.5b,3.6
JMA X 18 00 45 12.0–.30 36.78N 143.68E 54 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=25.3km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=7.1km az=172.6.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC X 18 01 44 42.3–1.5 36.44N–.05 142.32E–.09 15 3.5b 22 1-57
ISCJB X 18 01 44 40.5–1.2 36.44N–.05 142.5E–.10 15 3.4b **¶601998732**
JMA X 18 01 44 41.5–.30 36.48N 142.43E 15 3.3
IDC X 18 01 44 48.7–9.7 36.25N 142.08E 64–58 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.5km az=15.1.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=114.5km s-min=30.7km az=89.0.
JMA X 18 04 39 06.0–.10 38.29N 144.10E 11 3.5
¶606046969
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA X 19 00 15 19.7–.20 37.28N 142.11E 16–2 3.5
¶606047304
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 19 01 50 05.3–.45 39.63N–.05 143.36E–.04 11 4.8b,4.4s 341 1-146
NIED X 19 01 50 00 39.60N 143.80E 23 4.6W,4.4s **¶601838857**
JMA X 19 01 50 02.8–.20 39.59N 143.68E 24 4.7,4.4s
IDC X 19 01 50 03.1–.57 39.56N 143.44E 0 4.6,4.5
ISCJB X 19 01 50 03.9–.22 39.62N–.03 143.42E–.03 11 4.6b,4.4s
MOS X 19 01 50 07.0–1.0 39.65N 143.34E 33 5.0b,4.4s
NEIC X 19 01 50 09.1–.66 39.58N 143.31E 36–5 4.7b,4.4s
BJI X 19 01 50 09.8 39.59N 142.89E 41 5.0b,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ30.00000°,λ86.00000°. NP2:ϕ_s27.00000°,δ60.00000°,λ93.00000°. $M_0$9.99000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=12.1km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=136.0.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=101.7.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.4km az=143.0. Recorded [1 JMA] in Aomori, Iwate and Miyagi.
ISC X 19 19 02 22.3–3.1 37.15N–.04 142.13E–.06 30–23 4.3b 108 1-146
NIED X 19 19 02 00 37.20N 142.00E 32 4.1W **¶601874181**
IDC X 19 19 02 18.4–.58 37.09N 142.14E 0 4.2,4.1
ISCJB X 19 19 02 20.9–1.3 37.08N–.03 142.13E–.03 33–9 4.3b,4.1
JMA X 19 19 02 21.0–.20 37.14N 142.08E 38 4.2,4.1
NEIC X 19 19 02 23.7–.62 37.04N 142.14E 42–6 4.6b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ14.00000°,λ-36.00000°. NP2:ϕ_s292.00000°,δ82.00000°,λ-102.00000°. $M_0$1.48000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=11.4km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=141.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.3km az=119.0. Recorded [1 JMA] in Miyagi.
ISC X 19 19 09 44.5–1.3 37.20N–.06 142.06E–.07 19 3.5b 24 1-61
NIED X 19 19 09 00 37.10N 142.10E 32 3.4W **¶601998964**
IDC X 19 19 09 41.6–1.6 37.17N 142.27E 0 3.6,3.5
ISCJB X 19 19 09 42.9–.87 37.14N–.05 142.25E–.07 19 3.5b,3.5
JMA X 19 19 09 44.6–.40 37.11N 142.08E 24–4 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s111.00000°,δ15.00000°,λ-97.00000°. NP2:ϕ_s298.00000°,δ75.00000°,λ-88.00000°. $M_0$1.51000×10^{14}
IDC Error ellipse: s-maj=35.9km s-min=25.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=7.2km az=43.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 20 07 59 17.1–1.3 40.05N–.06 143.38E–.10 6 3.5b 16 1-64
NIED X 20 07 59 00 39.90N 143.50E 26 3.6W **¶603692324**
JMA X 20 07 59 17.8–.20 39.87N 143.49E 20 3.7
IDC X 20 07 59 26.9–1.9 38.59N 140.42E 0 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ32.00000°,λ63.00000°. NP2:ϕ_s36.00000°,δ61.00000°,λ106.00000°. $M_0$2.90000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=43.8km s-min=23.6km az=72.0.
ISC X 20 19 31 49.5–.90 36.29N–.04 142.04E–.06 19 3.7b 26 1-56
IDC X 20 19 31 46.8–1.9 36.23N 142.24E 0 3.9,3.8 **¶601999077**
JMA X 20 19 31 50.0–.20 36.31N 142.21E 73 3.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=20.5km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC X 21 03 32 39.8–1.4 36.29N–.04 142.12E–.10 15 3.6b 21 1-56
IDC X 21 03 32 37.4–2.7 36.21N 142.33E 0 3.6,3.6 **¶601999119**
JMA X 21 03 32 40.3–.20 36.31N 142.22E 74 2.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=60.6km s-min=27.5km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 21 19 45 24.9–1.0 40.35N–.05 144.26E–.07 25 3.6b 44 2-72
NIED X 21 19 45 00 40.40N 144.10E 8 3.6W **¶601999203**
IDC X 21 19 45 20.8–1.8 40.30N 144.59E 0 3.8,3.8b
ISCJB X 21 19 45 23.4–.66 40.39N–.03 144.17E–.06 25 3.7b,3.8b
JMA X 21 19 45 24.7–.20 40.40N 144.07E 33 3.5,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ54.00000°,λ42.00000°. NP2:ϕ_s33.00000°,δ57.00000°,λ135.00000°. $M_0$3.06000×10^{14}
IDC Error ellipse: s-maj=44.5km s-min=24.8km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=24.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 22 02 14 39.4–.87 37.10N–.05 142.20E–.07 10 3.8b 27 1-146
NIED X 22 02 14 00 37.10N 142.30E 17 3.8W **¶601999237**
ISCJB X 22 02 14 38.2–.77 37.16N–.06 142.38E–.07 10 3.7b,3.0s
IDC X 22 02 14 38.0–1.0 37.16N 142.42E 0 3.9,3.9L
JMA X 22 02 14 39.5–.40 37.15N 142.27E 16–3 4.1,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ4.00000°,λ-175.00000°. NP2:ϕ_s178.00000°,δ90.00000°,λ-86.00000°. $M_0$5.85000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.5km az=146.1.
IDC Error ellipse: s-maj=24.7km s-min=22.4km az=118.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 22 04 07 57.1–1.9 37.68N–.07 143.3E–.10 35 3.7b 15 2-69
NIED X 22 04 07 00 37.70N 143.20E 14 3.6W **¶601999244**
JMA X 22 04 07 56.2–.20 37.72N 143.24E 46 3.6
IDC X 22 04 07 57.9–1.3 37.15N 143.14E 0 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ62.00000°,λ180.00000°. NP2:ϕ_s275.00000°,δ90.00000°,λ28.00000°. $M_0$3.32000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=36.0km s-min=22.7km az=113.0.
ISC X 22 09 27 07.9–.53 37.99N–.04 142.08E–.05 42–4 4.5b,3.5s 197 1-146
NIED X 22 09 27 00 38.00N 141.90E 53 4.5W,3.5s **¶601842532**
BJI X 22 09 27 05.6 37.92N 142.23E 54 4.8b,4.8b
MOS X 22 09 27 07.4–.97 38.08N 141.96E 52 4.6b,4.8b
ISCJB X 22 09 27 08.1–.47 38.03N–.02 141.92E–.04 56–3 4.5b,3.5s
JMA X 22 09 27 09.2–.10 38.03N 141.83E 50–1 4.5,3.5s
NEIC X 22 09 27 11.0–.47 38.02N 141.84E 66–4 4.6b,3.5s
IDC X 22 09 27 11.5–1.9 38.01N 141.79E 70–17 4.4,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ54.00000°,λ135.00000°. NP2:ϕ_s7.00000°,δ55.00000°,λ46.00000°. $M_0$6.26000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=6.0km az=105.4.

ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=18.3.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=103.0. Recorded [2 JMA] in Iwate and Miyagi.
IDC Error ellipse: s-maj=14.4km s-min=11.0km az=87.0.
ISC X 22 09 32 12.4–.77 36.92N–.06 143.89E–.07 35 4.0b 48 2-89
NIED X 22 09 32 00 37.00N 143.80E 5 3.9W **¶601874199**
IDC X 22 09 32 07.9–.87 36.70N 144.06E 0 4.0,4.0
ISCJB X 22 09 32 10.6–.51 36.72N–.05 143.83E–.04 33 4.0b,4.0
NEIC X 22 09 32 11.9–.75 36.75N 144.09E 35 4.4b,4.0
JMA X 22 09 32 12.2–.20 36.98N 143.78E 53 3.9,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ21.00000°,λ-95.00000°. NP2:ϕ_s218.00000°,δ69.00000°,λ-88.00000°. M_o8.88000×10^{14}
IDC Error ellipse: s-maj=26.0km s-min=17.2km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=7.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.4km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 22 11 28 03.1–1.1 39.36N–.05 143.75E–.09 11 3.5b 39 2-60
NIED X 22 11 28 00 39.40N 143.80E 11 3.8W **¶601999269**
ISCJB X 22 11 28 01.7–.68 39.42N–.03 143.78E–.06 11 3.5b
IDC X 22 11 28 01.4–1.3 39.30N 143.88E 0 3.8,3.7
JMA X 22 11 28 03.4–.20 39.38N 143.81E 33 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ43.00000°,λ120.00000°. NP2:ϕ_s2.00000°,δ54.00000°,λ65.00000°. M_o6.00000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.7km az=31.5.
IDC Error ellipse: s-maj=28.8km s-min=20.8km az=105.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 22 13 02 34.5–1.1 39.64N–.06 143.5E–.10 11 3.5b 23 1-60
NIED X 22 13 02 00 39.70N 143.50E 17 3.7W **¶601999277**
ISCJB X 22 13 02 32.9–.98 39.61N–.06 143.6E–.10 11 3.4b
IDC X 22 13 02 33.0–1.3 39.55N 143.48E 0 3.6,3.5
JMA X 22 13 02 35.4–.30 39.67N 143.53E 32 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ31.00000°,λ34.00000°. NP2:ϕ_s49.00000°,δ73.00000°,λ117.00000°. M_o4.14000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.7km az=31.7.
IDC Error ellipse: s-maj=32.0km s-min=23.9km az=102.0.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC X 23 00 37 08.0–.53 39.65N–.04 143.28E–.04 26–3 4.9b,4.4s 442 1-146
NIED X 23 00 37 00 39.60N 143.30E 17 4.6W,4.4s **¶601842106**
JMA X 23 00 37 05.6–.10 39.64N 143.33E 22–3 4.8,4.4s
ISCJB X 23 00 37 07.1–.86 39.64N–.03 143.22E–.03 27–5 4.8b,4.4s
BJI X 23 00 37 08.7 39.63N 143.04E 45 5.0b,5.0b
MOS X 23 00 37 09.7–.83 39.80N 143.02E 38 5.2b,4.2s
IDC X 23 00 37 10.6–1.6 39.70N 143.26E 44–13 4.6,4.4
NEIC X 23 00 37 11.8–.74 39.63N 143.05E 52–6 4.7b,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ20.00000°,λ88.00000°. NP2:ϕ_s24.00000°,δ70.00000°,λ91.00000°. M_o1.05000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=41.7.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=114.9.
IDC Error ellipse: s-maj=15.1km s-min=9.4km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.1km az=131.0. Recorded [1 JMA] in Iwate and Miyagi.
ISC X 24 07 44 01.0–2.0 37.31N–.04 142.01E–.07 12–11 3.7b 32 1-61
IDC X 24 07 43 57.8–2.2 37.37N 142.48E 0 3.8,3.7 **¶601999464**
NIED X 24 07 44 00 37.30N 141.90E 35 3.6W,3.7
JMA X 24 07 44 03.3–.20 37.32N 141.93E 36–3 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=22.5km az=67.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s326.00000°,δ17.00000°,λ159.00000°. NP2:ϕ_s77.00000°,δ84.00000°,λ74.00000°. M_o2.56000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA X 24 11 54 29.6–.10 39.24N 144.15E 56 3.8
¶606050117
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA X 25 10 31 55.3–.20 36.73N 142.22E 12–4 2.2
¶601846990
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 26 19 57 08.5–3.7 39.60N–.05 143.35E–.07 9–23 3.6b 38 1-64
NIED X 26 19 57 00 39.60N 143.40E 26 3.7W **¶601999767**
IDC X 26 19 57 07.0–1.0 39.57N 143.45E 0 3.5,3.5b
ISCJB X 26 19 57 08.7–1.4 39.56N–.04 143.42E–.06 23–10 3.4b,3.5b
JMA X 26 19 57 08.1–.10 39.59N 143.39E 16–2 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ25.00000°,λ75.00000°. NP2:ϕ_s34.00000°,δ66.00000°,λ97.00000°. M_o3.83000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=18.8km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=33.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 27 14 25 31.6–1.5 37.26N–.06 142.21E–.09 10 17 1-61
JMA X 27 14 25 25.4–.20 37.04N 142.75E 33 3.0 **¶601999836**
ISCJB X 27 14 25 29.0–1.1 37.19N–.05 142.36E–.10 10 3.1b
IDC X 27 14 25 36.9–6.6 36.56N 141.71E 0 3.3,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.5km az=3.5.
IDC Error ellipse: s-maj=143.3km s-min=41.1km az=31.0.
ISC X 28 04 05 46.7–2.7 36.12N–.05 142.47E–.07 5–16 4.5b 56 1-84
ISCJB X 28 04 05 45.9–1.5 36.18N–.04 142.50E–.04 9–10 4.2b **¶601874236**
JMA X 28 04 05 46.8–.30 36.19N 142.62E 54 3.9
IDC X 28 04 05 46.1–.77 36.03N 142.36E 0 4.3,4.2b
NEIC X 28 04 05 47.7–4.9 36.05N 142.44E 11–29 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=178.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=16.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.6km az=132.0.
JMA X 28 04 10 12.9–.20 38.09N 144.49E 35 3.5
¶606052652
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC X 28 05 00 42.3–.52 36.19N–.05 142.62E–.06 18 4.2b 80 2-146
IDC X 28 05 00 39.3–.74 36.17N 142.82E 0 4.2,4.1 **¶601853279**
ISCJB X 28 05 00 40.7–.36 36.19N–.03 142.60E–.04 18 4.3b,4.1
JMA X 28 05 00 42.6–.20 36.19N 142.56E 58 3.7,4.1
NEIC X 28 05 00 42.2–2.5 36.19N 142.72E 17–15 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=17.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=42.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=112.0.
ISC X 28 05 59 19.0–1.1 36.10N–.06 142.58E–.08 18 3.9b 32 1-60
IDC X 28 05 59 16.6–1.6 36.26N 142.82E 0 4.8,4.8s **¶601999933**
ISCJB X 28 05 59 18.3–.75 36.25N–.04 142.60E–.07 18 4.7s,3.8b
JMA X 28 05 59 20.6–.40 36.20N 142.51E 55 3.3,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=18.0km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=171.7.
JMA Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
ISC X 28 10 36 14.3–1.4 36.16N–.06 142.5E–.10 18 23 1-56
IDC X 28 10 36 11.7–2.0 36.14N 142.56E 0 3.7,3.7 **¶602000038**
ISCJB X 28 10 36 12.8–.93 36.17N–.05 142.51E–.08 18 3.4b,3.7
JMA X 28 10 36 14.3–.20 36.20N 142.52E 75 3.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=46.0km s-min=23.5km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.6km az=166.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 28 10 41 26.3–1.1 38.23N–.06 144.63E–.08 35 3.7b 39 2-62
IDC X 28 10 41 21.2–1.3 38.08N 144.74E 0 3.8,3.7 **¶602000040**
ISCJB X 28 10 41 24.3–.69 38.25N–.04 144.62E–.05 33 3.7b,3.7
JMA X 28 10 41 25.7–.10 38.21N 144.52E 43 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=19.6km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=36.1.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 28 15 21 34.5–3.2 38.1N–.10 144.0E–.20 42–38 24 2-62
IDC X 28 15 21 28.6–1.7 37.98N 144.12E 0 3.8,3.8b **¶602000090**
ISCJB X 28 15 21 33.3–1.4 38.06N–.06 143.98E–.09 58–18 3.9b,3.8b
JMA X 28 15 21 33.2–.10 38.09N 143.77E 11 3.7,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=26.3km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=8.7km az=30.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 28 20 42 58.2–2.2 36.11N–.06 142.57E–.08 7–13 3.6b 26 1-56
IDC X 28 20 42 59.0–2.1 36.03N 142.66E 0 3.6,3.6 **¶602000145**
JMA X 28 20 43 01.1–.10 36.19N 142.56E 62 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=25.4km az=81.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC X 28 23 34 51.2–1.9 37.33N–.04 142.04E–.06 8–11 4.0b 58 1-146
NIED X 28 23 34 00 37.40N 142.00E 26 4.0W **¶601874260**
JMA X 28 23 34 53.0–.20 37.35N 142.02E 38–4 4.2
NEIC X 28 23 34 55.8–.85 37.26N 142.09E 43–7 4.1b
IDC X 28 23 34 55.6–2.0 37.22N 142.03E 41–19 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ23.00000°,λ-47.00000°. NP2:ϕ_s202.00000°,δ73.00000°,λ-106.00000°. M_o1.02000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.6km az=125.0. Recorded [1 JMA] in Fukushima.
IDC Error ellipse: s-maj=16.8km s-min=11.6km az=97.0.
JMA X 29 04 41 49.8–.20 37.74N 143.37E 55 3.5
NIED X 29 04 41 00 37.70N 143.40E 8 3.5W **¶603697250**
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ56.00000°,λ-163.00000°. NP2:ϕ_s204.00000°,δ76.00000°,λ-35.00000°. M_o1.75000×10^{14}
ISC X 29 05 45 29.3–.79 37.64N–.05 144.00E–.07 35 4.0b 78 2-81
NIED X 29 05 45 00 37.70N 143.90E 5 4.0W **¶601874261**
IDC X 29 05 45 24.0–.80 37.49N 144.13E 0 4.2,4.1
ISCJB X 29 05 45 27.3–.40 37.54N–.03 143.87E–.04 33 4.1b,4.0s
JMA X 29 05 45 27.9–.20 37.65N 143.85E 50 4.4,4.0s
NEIC X 29 05 45 29.2–.46 37.43N 143.96E 35 4.4b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s350.00000°,δ44.00000°,λ-136.00000°. NP2:ϕ_s225.00000°,δ61.00000°,λ-55.00000°. M_o1.30000×10^{15}
IDC Error ellipse: s-maj=19.8km s-min=16.0km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=135.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.8km az=122.0.
ISC X 29 16 10 59.7–1.4 38.41N–.06 144.78E–.08 43 34 3-63
IDC X 29 16 10 54.3–2.2 38.27N 145.15E 0 3.8,3.7L **¶602000311**
ISCJB X 29 16 10 58.8–.82 38.49N–.04 144.74E–.06 43 3.6b,3.7L
JMA X 29 16 11 00.9–.20 38.39N 144.57E 47 3.8,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=27.9km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=29.8.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 29 16 26 04.1–1.5 37.65N–.07 143.87E–.10 35 3.4b 14 2-62
ISCJB X 29 16 26 01.6–1.1 37.62N–.05 143.93E–.08 35 3.5b **¶602000313**
JMA X 29 16 26 03.0–.20 37.70N 143.84E 38 3.3
IDC X 29 16 26 15.3–2.4 38.44N 142.28E 184–22 3.3,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.6km az=2.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=41.0km s-min=22.5km az=93.0.
ISC X 30 12 34 11.8–1.2 37.54N–.06 144.50E–.08 35 3.9b 32 3-81
IDC X 30 12 34 08.0–1.2 37.39N 144.56E 0 4.5s,4.5 **¶602000475**
ISCJB X 30 12 34 10.3–.74 37.55N–.04 144.47E–.06 33 3.7b,3.5s
JMA X 30 12 34 12.0–.30 37.52N 144.34E 46 3.8,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=24.1km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.1km az=6.2.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC X 30 13 06 00.5–2.1 37.26N–.06 142.19E–.07 5–12 3.8b 31 1-61
IDC X 30 13 05 59.1–1.1 37.09N 142.51E 0 3.9,3.7 **¶602000481**
ISCJB X 30 13 06 00.3–1.5 37.26N–.05 142.29E–.06 12–12 3.8b,3.2s
NIED X 30 13 06 00 37.30N 142.20E 26 3.9W,3.2s
JMA X 30 13 06 01.7–.20 37.26N 142.24E 26–4 4.0,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=21.4km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.0km az=139.4.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s280.00000°,δ43.00000°,λ-152.00000°. NP2:ϕ_s169.00000°,δ71.00000°,λ-51.00000°. M_o7.26000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 31 04 46 57.7–1.2 38.21N–.05 143.80E–.10 35 3.5b 35 2-62
NIED X 31 04 46 00 38.20N 143.80E 11 3.7W **¶602000575**
IDC X 31 04 46 52.4–1.6 38.12N 143.97E 0 3.6,3.6b
ISCJB X 31 04 46 55.4–.76 38.25N–.03 143.85E–.06 33 3.8b,3.6b
JMA X 31 04 46 56.0–.20 38.23N 143.81E 43 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ30.00000°,λ-123.00000°. NP2:ϕ_s208.00000°,δ65.00000°,λ-73.00000°. M_o3.38000×10^{14}
IDC Error ellipse: s-maj=40.6km s-min=21.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=18.2.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 31 21 11 59.0–1.0 36.10N–.07 142.10E–.08 23 3.7b 25 1-56
IDC X 31 21 11 55.9–1.3 36.03N 142.18E 0 3.8,3.7 **¶602000662**
ISCJB X 31 21 11 58.2–.76 36.16N–.06 142.09E–.06 23 3.7b,3.7
JMA X 31 21 11 59.6–.20 36.15N 141.98E 71–5 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=25.2km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=147.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XI 01 10 48 11.4–1.2 38.31N–.06 144.31E–.08 35 30 2-72
NIED XI 01 10 48 00 38.30N 144.20E 5 3.6W **¶602388675**
IDC XI 01 10 48 08.0–1.7 37.87N 144.64E 0 3.9,3.6b
ISCJB XI 01 10 48 10.4–.86 38.38N–.05 144.30E–.06 35 3.6b,3.6b
JMA XI 01 10 48 11.4–.20 38.29N 144.18E 41 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ21.00000°,λ-53.00000°. NP2:ϕ_s147.00000°,δ73.00000°,λ-103.00000°. M_o2.72000×10^{14}
IDC Error ellipse: s-maj=59.7km s-min=33.1km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.8km az=138.7.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA XI 02 02 41 09.3–.10 37.60N 142.94E 37 3.5
¶606054959
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XI 03 03 36 23.9–.20 38.86N 143.89E 35 3.5
¶606055355
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XI 03 09 36 31.0–1.0 36.77N–.05 143.86E–.09 35 3.6b 31 2-89
NIED XI 03 09 36 00 36.80N 143.90E 5 3.6W **¶602388760**
IDC XI 03 09 36 26.0–1.2 36.65N 144.03E 0 3.8,3.7
ISCJB XI 03 09 36 28.8–.69 36.75N–.04 143.88E–.06 33 3.6b,3.7
JMA XI 03 09 36 29.6–.20 36.82N 143.90E 55 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ18.00000°,λ-90.00000°. NP2:ϕ_s213.00000°,δ72.00000°,λ-90.00000°. M_o3.16000×10^{14}
IDC Error ellipse: s-maj=31.5km s-min=21.8km az=77.0.

ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=5.2.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XI 05 04 30 28.0–.28 37.82N–.03 143.74E–.03 32–1 5.7b,5.2s 1982 2-160
NIED XI 05 04 30 00 37.80N 143.70E 11 5.5W,5.2s **¶601871361**
ISCJB XI 05 04 30 23.4–.54 37.82N–.02 143.64E–.01 7–3 5.6b,5.2s
IDC XI 05 04 30 23.3–.39 37.80N 143.74E 0 5.3,5.3
BJI XI 05 04 30 24.1 37.87N 143.37E 10 5.8b,5.5s
JMA XI 05 04 30 25.9–.10 37.85N 143.65E 47 5.7,5.5s
NEIC XI 05 04 30 26.7–1.1 37.79N 143.61E 19–6 5.7b,5.6W
MOS XI 05 04 30 26.5–1.2 38.00N 143.62E 28 5.9b,5.2s
NEIC XI 05 04 30 26.0–.00 37.78N 143.78E 15 5.9b,5.2s
GCMT XI 05 04 30 27.7–.10 37.86N–.01 143.69E–.01 17–0 5.6W,5.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ34.00000°,λ-77.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-99.00000°. $M_0$1.74000×10^{17}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Felt at Chiba, Tokyo and Tsukuba. Recorded [2 JMA] in Fukushima, Iwate and Miyagi. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$-2.46 $M_{\phi\phi}$3.20 $M_{r\theta}$0.08 $M_{\theta\phi}$1.75 $M_{\theta r}$0.58 Best double couple: NP1:ϕ_s61.00000°,δ83.00000°,λ4.00000°. NP2:ϕ_s331.00000°,δ86.00000°,λ173.00000°. Principal axes: T 3.7800,Plg7.0000°,Azm286.0000°; N -0.8100,Plg82.0000°,Azm122.0000°; P -2.9600,Plg2.0000°,Azm16.0000° $M_0$3.40000×10^{17}
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.87 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$1.96 $M_{r\theta}$0.09 $M_{\theta\phi}$1.15 $M_{\theta r}$-1.79 Best double couple: NP1:ϕ_s5.00000°,δ66.00000°,λ-109.00000°. NP2:ϕ_s227.00000°,δ31.00000°,λ-52.00000°. Principal axes: T 3.0200,Plg18.0000°,Azm109.0000°; N -0.3400,Plg18.0000°,Azm13.0000°; P -2.6800,Plg63.0000°,Azm242.0000° $M_0$2.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c172; s128,c317;Duration: 1§5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.58±.04 $M_{\theta\theta}$-1.09±.03; $M_{\phi\phi}$2.67±.03; $M_{r\theta}$0.30±.09; $M_{\theta\phi}$1.32±.03; $M_{\theta r}$1.62±.09; Best double couple: NP1:ϕ_s184.00000°,δ64.00000°,λ-107.00000°. NP2:ϕ_s40.00000°,δ31.00000°,λ-58.00000°. Principal axes: T 3.6040,Plg18.0000°,Azm287.0000°; N -1.4520,Plg15.0000°,Azm192.0000°; P -2.1520,Plg66.0000°,Azm63.0000° $M_0$2.87800×10^{17}
ISC XI 05 08 39 07.1–2.0 35.61N–.05 142.66E–.05 2–12 3.7b 44 1-90
NIED XI 05 08 39 00 35.60N 142.60E 8 3.7W **¶602388851**
IDC XI 05 08 39 07.4–1.2 35.48N 142.74E 0 4.1,4.0
JMA XI 05 08 39 10.6–.20 35.58N 142.61E 76 3.7,4.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ38.00000°,λ-80.00000°. NP2:ϕ_s176.00000°,δ53.00000°,λ-97.00000°. $M_0$4.67000×10^{14}
IDC Error ellipse: s-maj=34.3km s-min=22.1km az=121.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XI 05 10 31 54.5–.20 38.49N 144.55E 43 3.6
¶606056502
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC XI 06 23 16 32.7–.56 33.04N–.05 141.86E–.06 40 4.3b 72 2-148
NIED XI 06 23 16 00 33.10N 141.90E 5 4.1W **¶601879551**
IDC XI 06 23 16 27.7–.65 33.11N 141.81E 0 4.3,4.3L
JMA XI 06 23 16 30.2–.40 33.15N 141.92E 68 3.8,4.3L
BJI XI 06 23 16 31.0 33.16N 141.76E 37 4.8b,4.5b
ISCJB XI 06 23 16 31.1–.41 33.09N–.04 141.81E–.06 40 4.4s,4.3b
NEIC XI 06 23 16 33.0–.80 33.06N 141.74E 36–6 4.6b,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ43.00000°,λ102.00000°. NP2:ϕ_s169.00000°,δ48.00000°,λ79.00000°. $M_0$1.51000×10^{15}
IDC Error ellipse: s-maj=16.6km s-min=15.5km az=50.0.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=154.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=71.0.
ISC XI 07 05 27 22.6–1.1 36.16N–.07 142.28E–.09 18 3.8b 22 1-75
IDC XI 07 05 27 19.6–1.1 35.88N 142.43E 0 3.9,3.8b **¶602388945**
ISCJB XI 07 05 27 21.4–.80 36.12N–.07 142.26E–.07 18 3.7b,3.8b
JMA XI 07 05 27 22.3–.20 36.19N 142.30E 69 3.3,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=21.9km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.4km az=14.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 07 15 17 13.2–.69 36.68N–.04 142.04E–.07 36–2 4.3b,3.8s 102 1-84
NIED XI 07 15 17 00 36.70N 142.00E 20 4.3W,3.8s **¶601879561**
ISCJB XI 07 15 17 10.0–1.3 36.66N–.03 142.13E–.05 31–9 4.2b,3.7s
JMA XI 07 15 17 11.0–.20 36.69N 141.99E 37–4 4.2,3.7s
BJI XI 07 15 17 12.3 36.77N 141.56E 21 4.8b,4.6b
IDC XI 07 15 17 12.1–6.4 36.63N 142.06E 28–44 4.2,4.1
NEIC XI 07 15 17 13.4–.71 36.69N 142.04E 42–5 4.5b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ15.00000°,λ116.00000°. NP2:ϕ_s17.00000°,δ76.00000°,λ83.00000°. $M_0$3.04000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.4km az=9.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=14.0km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.7km az=107.0. Recorded [1 JMA] in Fukushima.
ISC XI 08 05 38 22.1–.66 36.30N–.05 142.12E–.06 19 4.1b 65 1-84
NIED XI 08 05 38 00 36.30N 141.80E 20 4.0W **¶601991539**
IDC XI 08 05 38 19.3–.88 36.33N 142.22E 0 4.1,4.0
ISCJB XI 08 05 38 20.3–.41 36.28N–.03 142.16E–.04 19 4.1b,4.0
JMA XI 08 05 38 24.4–.20 36.34N 141.84E 51 4.1,4.0
NEIC XI 08 05 38 24.4–.37 36.29N 142.14E 35 4.3b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ24.00000°,λ117.00000°. NP2:ϕ_s15.00000°,δ69.00000°,λ78.00000°. $M_0$1.11000×10^{15}
IDC Error ellipse: s-maj=21.9km s-min=15.9km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.4km az=34.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=98.0.
ISC XI 08 14 03 10.6–1.4 39.56N–.07 143.7E–.10 11 3.9b 33 1-67
NIED XI 08 14 03 00 39.60N 143.80E 17 3.8W **¶602389035**
JMA XI 08 14 03 08.1–.10 39.58N 143.82E 17 4.0
ISCJB XI 08 14 03 09.2–.99 39.60N–.04 143.7E–.10 11 4.0b,3.0s
IDC XI 08 14 03 13.0–7.7 39.50N 143.91E 37–38 3.9,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ36.00000°,λ59.00000°. NP2:ϕ_s32.00000°,δ60.00000°,λ111.00000°. $M_0$5.59000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=4.2km az=22.7.
IDC Error ellipse: s-maj=86.8km s-min=32.2km az=111.0.
JMA XI 09 22 18 24.2–.20 38.38N 144.64E 44 3.5
¶606058413
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XI 10 09 17 35.9–.58 35.53N–.06 143.84E–.06 35 4.1b 82 2-146
NIED XI 10 09 17 00 35.50N 143.70E 5 4.3W **¶602054295**
IDC XI 10 09 17 30.5–.64 35.28N 143.91E 0 4.1,4.0
NEIC XI 10 09 17 32.0–.32 35.35N 143.93E 10 4.6b,4.0
ISCJB XI 10 09 17 33.5–.37 35.42N–.04 143.77E–.04 33 4.4s,4.1b
JMA XI 10 09 17 34.2–.50 35.49N 143.72E 67 3.9,4.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ22.00000°,λ-69.00000°. NP2:ϕ_s203.00000°,δ69.00000°,λ-98.00000°. $M_0$2.97000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=16.3km az=125.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.5km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=172.6.
JMA Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
JMA XI 10 09 20 40.1–.30 35.36N 143.61E 52 3.6
¶606058571
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
JMA XI 11 18 18 53.4–.10 38.37N 144.46E 36 3.7
¶606059131
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 12 01 19 28.8–1.2 37.59N–.06 143.97E–.08 35 34 2-58
IDC XI 12 01 19 24.2–1.4 37.41N 144.19E 0 3.9,3.9 **¶602389260**
ISCJB XI 12 01 19 26.7–.74 37.55N–.04 143.99E–.05 33 3.7b,3.9
JMA XI 12 01 19 28.8–.20 37.55N 143.85E 53 3.8,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=44.0km s-min=23.6km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.9km az=35.8.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC XI 12 20 00 02.7–2.5 36.15N–.05 142.57E–.06 13–15 3.9b 69 1-90
NIED XI 12 20 00 00 36.30N 142.50E 8 4.0W **¶602058445**
IDC XI 12 20 00 01.9–.82 36.19N 142.53E 0 4.1,4.0
ISCJB XI 12 20 00 04.4–1.4 36.18N–.04 142.49E–.04 30–10 4.0b,3.1s
JMA XI 12 20 00 04.4–.20 36.25N 142.51E 80 3.6,3.1s
NEIC XI 12 20 00 06.3–2.7 36.10N 142.44E 30–18 4.9b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ38.00000°,λ109.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ76.00000°. $M_0$1.09000×10^{15}
IDC Error ellipse: s-maj=22.9km s-min=17.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=24.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=94.0.
ISC XI 13 14 53 55.8–1.5 34.42N–.07 141.6E–.10 27 3.5b 15 1-58
JMA XI 13 14 53 51.0–.70 34.26N 141.79E 25–3 3.0 **¶602389350**
ISCJB XI 13 14 53 53.3–1.1 34.38N–.06 141.8E–.10 27 3.4b,2.9s
IDC XI 13 14 53 57.8–6.8 34.36N 141.60E 40–49 3.3,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=8.2km az=160.3.
IDC Error ellipse: s-maj=69.9km s-min=19.6km az=74.0.
ISC XI 14 21 19 41.7–1.5 36.28N–.08 142.0E–.10 19 3.5b 12 1-56
IDC XI 14 21 19 38.7–2.1 36.25N 142.11E 0 3.7,3.6 **¶602389408**
ISCJB XI 14 21 19 39.8–1.2 36.28N–.07 142.11E–.08 19 3.5b,3.6
JMA XI 14 21 19 43.2–.10 36.27N 141.81E 79–3 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=27.0km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=9.6km az=157.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XI 14 23 02 24.4–.10 39.82N 143.47E 29 3.6
¶606060175
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XI 15 03 33 27.7–1.3 33.40N–.04 141.03E–.07 44–11 4.3b,3.4s 114 1-149
NIED XI 15 03 33 00 33.50N 141.10E 38 4.3W,3.4s **¶601991995**
JMA XI 15 03 33 26.7–.10 33.46N 141.07E 53 4.3,3.4s
ISCJB XI 15 03 33 28.4–.55 33.39N–.03 140.87E–.05 60–4 4.3b,3.4s
IDC XI 15 03 33 29.5–1.4 33.37N 140.92E 60–12 4.2,4.1
NEIC XI 15 03 33 30.1–.60 33.35N 140.85E 63–5 4.5b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ39.00000°,λ126.00000°. NP2:ϕ_s167.00000°,δ60.00000°,λ65.00000°. $M_0$2.79000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=167.6.
IDC Error ellipse: s-maj=17.0km s-min=10.1km az=81.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=68.0.
JMA XI 15 05 23 08.0–.80 33.91N 142.39E 27 3.5
¶606060264
JMA Error ellipse: s-maj=5.6km s-min=6.5km az=-1.0.
ISC XI 16 15 12 02.3–.81 37.87N–.05 144.66E–.07 35 3.8b 66 3-75
IDC XI 16 15 11 57.1–.75 37.72N 144.87E 0 4.0,3.9 **¶602389518**
ISCJB XI 16 15 12 00.6–.50 37.86N–.03 144.56E–.04 33 3.7b,2.9s
NIED XI 16 15 12 00 37.90N 144.40E 14 3.8W,2.9s
JMA XI 16 15 12 02.4–.10 37.92N 144.45E 40 4.3,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=16.3km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=142.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ41.00000°,λ-103.00000°. NP2:ϕ_s18.00000°,δ50.00000°,λ-79.00000°. $M_0$4.96000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 16 16 34 24.2–2.0 36.32N–.07 142.4E–.10 15 19 1-56
ISCJB XI 16 16 34 22.4–1.1 36.30N–.07 142.40E–.08 15 3.5b **¶602389522**
JMA XI 16 16 34 23.0–.10 36.32N 142.47E 63 2.9
IDC XI 16 16 34 27.4–2.8 36.49N 142.01E 0 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.9km az=178.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=64.4km s-min=31.5km az=40.0.
ISC XI 17 05 43 13.1–1.2 36.86N–.07 143.56E–.08 35 3.5b 26 2-57
IDC XI 17 05 43 07.8–1.4 36.64N 143.68E 0 3.6,3.5 **¶602389553**
ISCJB XI 17 05 43 12.6–1.0 36.88N–.07 143.48E–.07 33 3.5b,3.5
JMA XI 17 05 43 13.1–.20 36.88N 143.44E 46 4.1,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=26.0km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.2km az=150.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 17 06 52 24.0–1.3 36.40N–.06 142.07E–.09 19 3.4b 19 1-60
JMA XI 17 06 52 20.3–.30 36.35N 142.32E 26 3.1 **¶602389555**
ISCJB XI 17 06 52 21.7–1.1 36.35N–.05 142.19E–.09 19 3.4b
IDC XI 17 06 52 24.4–2.7 36.51N 141.78E 0 3.7,3.6b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.5km az=177.8.
IDC Error ellipse: s-maj=77.0km s-min=25.9km az=56.0.
JMA XI 17 09 26 43.4–.30 36.71N 142.05E 37 3.6
NIED XI 17 09 26 00 36.70N 142.00E 26 3.6W **¶603705082**
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ22.00000°,λ104.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ84.00000°. $M_0$3.26000×10^{14}
ISC XI 17 09 51 08.5–2.4 37.77N–.06 142.45E–.07 23–15 4.0b 50 1-89
NIED XI 17 09 51 00 37.70N 142.50E 14 3.8W **¶602389561**
JMA XI 17 09 51 06.3–.20 37.66N 142.53E 25–3 4.1
ISCJB XI 17 09 51 08.4–1.0 37.75N–.05 142.52E–.07 38–8 4.0b,3.1s
IDC XI 17 09 51 11.2–2.3 37.76N 142.45E 46–20 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ18.00000°,λ-123.00000°. NP2:ϕ_s34.00000°,δ74.00000°,λ-80.00000°. $M_0$5.60000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.2km az=32.5.
IDC Error ellipse: s-maj=18.9km s-min=13.7km az=121.0.
ISC XI 17 11 19 10.5–2.1 37.65N–.09 142.4E–.10 21 3.6b 15 1-58
IDC XI 17 11 19 01.6–2.4 36.40N 142.31E 0 3.8,3.7 **¶602389563**
JMA XI 17 11 19 09.3–.20 37.64N 142.43E 17–3 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=71.2km s-min=26.7km az=63.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 17 23 25 46.1–.93 36.28N–.05 142.02E–.08 19 3.5b 30 1-84
NIED XI 17 23 25 00 36.30N 141.80E 14 3.6W **¶602389585**
IDC XI 17 23 25 43.2–1.2 36.29N 142.10E 0 3.7,3.6
ISCJB XI 17 23 25 44.6–.63 36.27N–.05 142.09E–.06 19 3.5b,3.6
JMA XI 17 23 25 48.2–.30 36.30N 141.80E 70 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ21.00000°,λ121.00000°. NP2:ϕ_s21.00000°,δ72.00000°,λ79.00000°. $M_0$3.25000×10^{14}
IDC Error ellipse: s-maj=26.2km s-min=20.5km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=42.5.
JMA Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
ISC XI 19 10 00 51.7–2.0 37.24N–.06 142.7E–.10 56–18 3.8b 47 1-146
ISCJB XI 19 10 00 52.3–.84 37.27N–.04 142.56E–.08 74–8 3.7b **¶602389659**
IDC XI 19 10 00 53.0–2.4 37.19N 142.67E 70–22 4.0,3.9
JMA XI 19 10 00 54.3–.10 37.30N 142.43E 73–4 4.2,3.9
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.7km az=16.4.
IDC Error ellipse: s-maj=24.0km s-min=15.3km az=94.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA XI 19 22 52 03.9–.20 38.00N 144.47E 41 3.6
¶606062057
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 20 10 15 06.4–.63 33.27N–.03 141.84E–.04 23–4 4.7b,4.7s 399 2-153
BJI XI 20 10 14 58.3 33.07N 142.14E 10 5.2b,5.0s **¶601993170**
NIED XI 20 10 15 00 33.40N 141.70E 5 5.0W,5.0s
ISCJB XI 20 10 15 03.4–.90 33.21N–.02 141.72E–.02 12–5 4.7b,4.6s
MOS XI 20 10 15 04.9–1.3 33.23N 141.76E 23 4.9b,4.4s
NEIC XI 20 10 15 05.7–2.4 33.26N 141.71E 17–14 4.7b,4.4s
GCMT XI 20 10 15 06.7–.20 33.33N–.02 141.91E–.01 12 5.0W,4.4s
JMA XI 20 10 15 07.1–.20 33.40N 141.67E 64 5.2,4.4s
IDC XI 20 10 15 08.5–2.0 33.26N 141.75E 39–18 4.5,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s360.00000°,δ38.00000°,λ66.00000°. NP2:ϕ_s210.00000°,δ56.00000°,λ108.00000°. $M_0$3.48000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=10.9.
MOS Error ellipse: s-maj=8.4km s-min=4.9km az=112.1.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=124.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c44; s104,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.48±.08 $M_{\theta\theta}$-0.11±.08; $M_{\phi\phi}$-3.37±.07; $M_{r\theta}$-0.09±.29; $M_{\theta\phi}$-1.02±.07; $M_{\phi r}$1.82±.24; Best double couple: NP1:ϕ_s7.00000°,δ58.00000°,λ81.00000°. NP2:ϕ_s205.00000°,δ33.00000°,λ105.00000°. Principal axes: T 3.9620,Plg75.0000° ,Azm251.0000°; N 0.1020,Plg8.0000°,Azm12.0000°; P -4.0610,Plg13.0000°,Azm104.0000° $M_0$4.01200×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=9.6km az=96.0.
JMA XI 21 02 50 32.6–.20 38.18N 143.85E 42 3.5
¶606062536
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XI 21 19 12 23.0–2.6 37.41N–.07 142.2E–.10 9–11 3.5b 19 1-44
IDC XI 21 19 12 10.0–7.8 36.65N 143.58E 0 3.6b,3.5 **¶602389801**
JMA XI 21 19 12 23.5–.20 37.37N 142.23E 28–4 3.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=130.3km s-min=66.9km az=146.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XI 22 01 31 53.5–.20 39.22N 144.53E 50 3.7
NIED XI 22 01 31 00 39.20N 144.50E 5 3.4W **¶603707012**
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ42.00000°,λ-147.00000°. NP2:ϕ_s246.00000°,δ68.00000°,λ-53.00000°. $M_0$1.31000×10^{14}
ISC XI 22 07 15 05.7–.71 37.58N–.05 142.59E–.06 21 3.7b 35 1-118
NIED XI 22 07 15 00 37.60N 142.70E 29 3.6W **¶602389827**
JMA XI 22 07 15 02.8–.40 37.57N 142.66E 12–3 3.8
IDC XI 22 07 15 02.4–.81 37.52N 142.64E 0 3.8,3.7
ISCJB XI 22 07 15 03.6–.57 37.52N–.04 142.66E–.06 21 3.6b,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ40.00000°,λ84.00000°. NP2:ϕ_s216.00000°,δ50.00000°,λ95.00000°. $M_0$2.40000×10^{14}
ISCJB Event type ke.
JMA XI 22 19 36 04.5–.10 39.29N 143.83E 47 3.6
¶606063212
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XI 22 21 24 16.0–.20 37.07N 143.96E 46 3.6
NIED XI 22 21 24 00 37.10N 144.00E 5 3.5W **¶603707352**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ42.00000°,λ-92.00000°. NP2:ϕ_s199.00000°,δ48.00000°,λ-88.00000°. $M_0$1.69000×10^{14}
ISC XI 23 09 28 56.3–1.0 35.76N–.06 142.63E–.08 35 3.7b 28 1-75
IDC XI 23 09 28 51.2–1.1 35.66N 142.80E 0 3.7,3.6 **¶602389871**
ISCJB XI 23 09 28 54.7–.73 35.80N–.04 142.62E–.06 35 3.5b,3.6
JMA XI 23 09 28 56.3–.20 35.80N 142.46E 85–5 3.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=20.9km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=28.7.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XI 23 12 36 34.9–1.9 37.10N–.04 142.06E–.06 3–11 3.8b 56 1-83
NIED XI 23 12 36 00 37.10N 142.00E 32 4.0W **¶601993930**
JMA XI 23 12 36 37.6–.20 37.13N 142.00E 41–4 4.3
IDC XI 23 12 36 40.3–2.8 37.10N 141.95E 36–23 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s259.00000°,δ23.00000°,λ146.00000°. NP2:ϕ_s21.00000°,δ77.00000°,λ70.00000°. $M_0$1.20000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=13.2km az=95.0.
ISC XI 23 16 39 54.4–2.4 37.95N–.07 144.7E–.10 43–25 3.5b 39 3-62
ISCJB XI 23 16 39 54.8–1.0 37.98N–.04 144.55E–.07 66–13 3.4b **¶602389900**
JMA XI 23 16 39 55.2–.10 37.99N 144.51E 44 3.6
IDC XI 23 16 39 57.7–3.5 37.99N 144.48E 69–32 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.9km az=26.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=16.9km az=108.0.
ISC XI 23 22 29 02.4–.57 37.26N–.04 143.63E–.06 35 4.1b 71 2-145
IDC XI 23 22 28 57.3–.61 37.15N 143.74E 0 4.2,4.1L **¶601994020**
ISCJB XI 23 22 29 00.5–.40 37.25N–.03 143.60E–.04 33 4.0b,3.8s
NIED XI 23 22 29 00 37.30N 143.50E 5 3.9W,3.8s
NEIC XI 23 22 29 02.5–.37 37.24N 143.66E 35 4.3b,3.8s
JMA XI 23 22 29 02.1–.20 37.30N 143.51E 68 4.1,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=14.8km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=4.1km az=168.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s61.00000°,δ29.00000°,λ-95.00000°. NP2:ϕ_s246.00000°,δ61.00000°,λ-87.00000°. $M_0$8.63000×10^{14}
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.8km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XI 24 11 58 06.6–.20 37.70N 143.96E 48 3.5
¶606063758
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 24 18 58 54.6–1.5 37.90N–.09 142.4E–.10 14 3.4b 19 1-58
NIED XI 24 18 58 00 37.90N 142.40E 35 3.5W **¶602389942**
IDC XI 24 18 58 51.1–2.3 37.79N 142.82E 0 3.5,3.4
ISCJB XI 24 18 58 53.5–1.2 37.85N–.06 142.44E–.10 14 3.3b,3.4
JMA XI 24 18 58 54.8–.30 37.90N 142.45E 38–3 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s115.00000°,δ27.00000°,λ157.00000°. NP2:ϕ_s225.00000°,δ80.00000°,λ65.00000°. $M_0$1.79000×10^{14}
IDC Error ellipse: s-maj=47.3km s-min=28.7km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=8.0km az=27.1.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XI 25 07 48 56.6–.82 37.96N–.05 144.44E–.07 35 3.6b 49 2-88
NIED XI 25 07 48 00 38.00N 144.40E 5 4.0W **¶602389961**
IDC XI 25 07 48 51.8–.77 37.77N 144.59E 0 3.9,3.7
ISCJB XI 25 07 48 54.6–.52 37.95N–.04 144.40E–.04 33 3.6b,2.9s
JMA XI 25 07 48 55.2–.20 37.98N 144.36E 42 3.7,2.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ20.00000°,λ-89.00000°. NP2:ϕ_s187.00000°,δ70.00000°,λ-90.00000°. $M_0$1.03000×10^{15}
IDC Error ellipse: s-maj=23.2km s-min=16.9km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=140.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 25 12 38 56.5–3.2 37.94N–.07 142.4E–.10 31–19 3.5b 26 1-58
NIED XI 25 12 38 00 37.90N 142.50E 17 3.4W **¶602389973**
IDC XI 25 12 38 49.2–2.4 37.98N 143.02E 0 3.6,3.5b
JMA XI 25 12 38 54.4–.20 37.90N 142.46E 36–3 3.5,3.5b
ISCJB XI 25 12 38 55.9–1.4 37.91N–.06 142.4E–.10 44–13 3.4b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ14.00000°,λ-160.00000°. NP2:ϕ_s201.00000°,δ85.00000°,λ-77.00000°. $M_0$1.53000×10^{14}
ISCJB Event type ke.
ISC XI 26 05 49 16.3–.48 33.27N–.05 141.88E–.05 34 4.4b,3.7s 117 2-148
NIED XI 26 05 49 00 33.50N 141.80E 5 4.5W,3.7s **¶602210428**
BJI XI 26 05 49 08.6 33.10N 142.22E 12 5.0b,4.6b
IDC XI 26 05 49 11.4–.58 33.26N 141.96E 0 4.3,4.1
JMA XI 26 05 49 13.3–.30 33.49N 141.78E 4 4.1,4.1
NEIC XI 26 05 49 13.1–.14 33.26N 141.91E 10 4.5b,4.1
ISCJB XI 26 05 49 14.9–.23 33.27N–.03 141.84E–.03 34 4.4b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ28.00000°,λ83.00000°. NP2:ϕ_s177.00000°,δ62.00000°,λ93.00000°. $M_0$5.34000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC XI 26 20 08 00.8–.36 33.24N–.04 141.96E–.05 34 4.6b,4.2s 269 2-148
NIED XI 26 20 07 00 33.30N 141.90E 5 4.7W,4.2s **¶601994643**
IDC XI 26 20 07 55.6–.45 33.22N 141.82E 0 4.5,4.4
BJI XI 26 20 07 58.0 33.20N 141.70E 30 5.0b,4.8s
JMA XI 26 20 07 58.9–.30 33.32N 141.88E 66 4.2,4.8s
ISCJB XI 26 20 07 59.9–.18 33.18N–.03 141.67E–.03 34 4.6b,4.2s
MOS XI 26 20 07 59.1–1.1 33.12N 141.77E 32 4.9b,4.0s
GCMT XI 26 20 08 00.8–.40 33.43N–.04 141.90E–.03 16–1 4.8W,4.0s
NEIC XI 26 20 08 00.8–1.6 33.19N 141.71E 30–11 4.8b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ52.00000°,λ49.00000°. NP2:ϕ_s223.00000°,δ54.00000°,λ129.00000°. $M_0$1.21000×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=10.2km az=102.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=39.1.
MOS Error ellipse: s-maj=10.0km s-min=5.4km az=121.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s72,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11±.16 $M_{\theta\theta}$-0.49±.09; $M_{\phi\phi}$-1.62±.10; $M_{r\theta}$-0.70±.32; $M_{\theta\phi}$-0.43±.06; $M_{\phi r}$0.32±.31; Best double couple: NP1:ϕ_s3.00000°,δ48.00000°,λ68.00000°. NP2:ϕ_s214.00000°,δ46.00000°,λ112.00000°. Principal axes: T 2.3300,Plg74.0000° ,Azm203.0000°; N -0.5620,Plg16.0000°,Azm18.0000°; P -1.7680,Plg1.0000°,Azm108.0000° $M_0$2.04900×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=4.2km az=101.0.
ISC XI 27 05 12 25.7–1.1 39.91N–.07 143.43E–.07 6 3.6b 20 1-60
ISCJB XI 27 05 12 24.8–.90 39.88N–.06 143.50E–.08 6 3.5b **¶602390038**
IDC XI 27 05 12 24.7–1.4 39.87N 143.58E 0 3.7,3.6b
JMA XI 27 05 12 28.2–.20 39.89N 143.37E 23 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.5km az=43.9.
IDC Error ellipse: s-maj=42.6km s-min=28.0km az=111.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA XI 27 19 34 23.3–.20 37.90N 142.41E 37–2 3.6
¶606065144
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 29 07 54 25.1–2.6 39.63N–.05 143.53E–.09 2–13 3.5b 29 1-71
NIED XI 29 07 54 00 39.60N 143.60E 17 3.8W **¶602390158**
IDC XI 29 07 54 24.8–2.2 39.66N 143.69E 0 3.8,3.8
JMA XI 29 07 54 26.4–.20 39.64N 143.56E 26 3.7,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ30.00000°,λ35.00000°. NP2:ϕ_s41.00000°,δ73.00000°,λ115.00000°. $M_0$5.17000×10^{14}
IDC Error ellipse: s-maj=50.5km s-min=20.8km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XI 29 11 12 52.1–.61 37.69N–.05 144.07E–.06 35 4.5b 154 2-82
NIED XI 29 11 12 00 37.70N 143.90E 5 4.2W **¶601995234**
IDC XI 29 11 12 46.9–.84 37.53N 144.16E 0 5.1,5.1s
NEIC XI 29 11 12 49.3–.27 37.61N 144.05E 10 4.6b,5.1s
MOS XI 29 11 12 50.7–1.1 37.94N 143.97E 25 4.6b,5.1s
JMA XI 29 11 12 51.5–.20 37.72N 143.87E 55 4.5,5.1s
ISCJB XI 29 11 12 51.0–.29 37.73N–.03 143.91E–.03 33 4.3b,5.1s
BJI XI 29 11 12 52.3 37.80N 143.90E 26 5.0b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ44.00000°,λ-30.00000°. NP2:ϕ_s161.00000°,δ70.00000°,λ-130.00000°. $M_0$2.17000×10^{15}
IDC Error ellipse: s-maj=21.3km s-min=16.2km az=99.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=148.0.
MOS Error ellipse: s-maj=8.7km s-min=5.7km az=104.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=159.4.
ISC XI 29 16 02 15.6–1.6 33.81N–.07 141.6E–.10 24 19 1-58
IDC XI 29 16 02 12.6–2.3 33.78N 141.68E 0 3.5,3.3b **¶602390167**
ISCJB XI 29 16 02 13.7–1.2 33.85N–.05 141.8E–.10 24 3.3b,3.3b
JMA XI 29 16 02 17.6–.50 33.93N 141.46E 37–4 3.0,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=26.1km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=7.7km az=170.7.
JMA Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
ISC XI 29 16 02 53.4–1.2 39.74N–.06 144.37E–.08 23 3.8b 24 2-64
NIED XI 29 16 02 00 39.80N 144.30E 5 3.6W **¶602390168**
IDC XI 29 16 02 50.1–1.3 39.59N 144.60E 0 3.7,3.4
ISCJB XI 29 16 02 52.0–.78 39.74N–.05 144.39E–.07 23 3.5b,2.9s
JMA XI 29 16 02 54.0–.20 39.77N 144.33E 44 3.6,2.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ37.00000°,λ-38.00000°. NP2:ϕ_s345.00000°,δ68.00000°,λ-121.00000°. $M_0$3.34000×10^{14}
IDC Error ellipse: s-maj=48.4km s-min=23.7km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=34.4.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC XI 30 11 42 54.5–1.6 39.26N–.04 143.77E–.04 5–9 4.7b,4.7s 342 2-145
NIED XI 30 11 42 00 39.20N 143.90E 8 4.8W,4.7s **¶601995445**
ISCJB XI 30 11 42 52.3–.98 39.24N–.02 143.71E–.03 0–6 4.7b,4.7s
BJI XI 30 11 42 53.3 39.30N 143.82E 17 5.3b,4.9b
IDC XI 30 11 42 53.7–.60 39.18N 143.68E 0 4.6,4.5
JMA XI 30 11 42 54.0–.10 39.23N 143.85E 27 4.9,4.5
MOS XI 30 11 42 57.8–.97 39.31N 143.58E 33 4.9b,4.5
GCMT XI 30 11 42 58.3–.50 39.47N–.03 144.03E–.04 23–2 5.0W,4.5
NEIC XI 30 11 42 59.3–.23 39.21N 143.57E 35 4.7b,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ37.00000°,λ90.00000°. NP2:ϕ_s17.00000°,δ53.00000°,λ90.00000°. $M_0$1.92000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=140.4.
IDC Error ellipse: s-maj=15.7km s-min=11.9km az=125.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=113.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s67,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.59±.32 $M_{\theta\theta}$0.07±.19; $M_{\phi\phi}$-2.67±.22; $M_{r\theta}$-0.95±.30; $M_{\theta\phi}$-1.06±.12; $M_{\phi r}$3.17±.36; Best double couple: NP1:ϕ_s353.00000°,δ71.00000°,λ70.00000°. NP2:ϕ_s221.00000°,δ27.00000°,λ134.00000°. Principal axes: T 4.4730,Plg59.0000° ,Azm236.0000°; N -0.2450,Plg19.0000°,Azm360.0000°; P -4.2340,Plg24.0000° ,Azm98.0000° $M_0$4.35300×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=138.0.
ISC XI 30 11 43 38.4–.57 39.10N–.07 143.80E–.08 23 4.5b 70 3-87
IDC XI 30 11 43 35.0–.91 39.16N 143.82E 0 4.5,4.4 **¶602390236**
ISCJB XI 30 11 43 37.0–.42 39.19N–.05 143.76E–.06 23 4.5b,4.0s
NEIC XI 30 11 43 40.3–.37 39.15N 143.79E 35 4.6b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=17.3km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.0km az=141.0.
ISC XII 01 01 10 33.0–2.2 37.39N–.05 142.01E–.08 7–12 28 1-57
IDC XII 01 01 10 31.0–2.8 37.20N 142.33E 0 3.6,3.6b **¶602390259**
JMA XII 01 01 10 34.9–.20 37.34N 142.00E 33–3 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=35.5km az=51.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 01 06 58 41.6–2.3 39.75N–.06 143.55E–.08 9–13 3.5b 22 1-67
IDC XII 01 06 58 42.2–2.3 39.63N 143.36E 0 4.0,4.0s **¶602390269**
JMA XII 01 06 58 44.5–.10 39.92N 143.51E 30 3.3,4.0s

ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=26.5km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA XII 01 18 17 38.3–.30 37.97N 144.34E 53 3.5
¶606066471

JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC XII 01 18 37 16.1–1.3 36.80N–.08 144.02E–.09 35 3.5b 24 3-57
IDC XII 01 18 37 10.5–1.5 36.81N 144.38E 0 3.6,3.3 **¶602390291**
JMA XII 01 18 37 17.7–.30 36.80N 143.79E 54 3.5,3.3
ISCJB XII 01 18 37 18.0–1.3 36.83N–.06 143.76E–.09 33 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC XII 02 00 40 00.3–1.6 36.27N–.06 142.02E–.10 19 3.7b 21 1-60
ISCJB XII 02 00 39 57.8–1.3 36.26N–.07 142.2E–.10 19 4.6s,3.7b **¶602390308**
JMA XII 02 00 39 59.3–.30 36.26N 142.11E 71 3.3,3.7b
IDC XII 02 00 40 01.1–1.8 36.72N 141.84E 0 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=8.2km az=29.2.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=46.3km s-min=21.9km az=57.0.
ISC XII 03 13 29 16.9–1.7 33.44N–.08 141.8E–.20 41 11 1-57
IDC XII 03 13 29 13.4–7.9 33.18N 141.24E 0 3.5,3.4b **¶602390394**
ISCJB XII 03 13 29 14.7–1.3 33.46N–.07 141.9E–.20 41 3.5b,3.4b
JMA XII 03 13 29 17.3–.70 33.52N 141.61E 29 3.0,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=301.8km s-min=28.3km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=8.9km az=165.5.
JMA Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0.
JMA XII 04 01 24 35.3–.20 37.66N 143.99E 55 3.6
¶606067302

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 05 19 37 54.3–3.7 40.90N–.05 145.22E–.06 11–23 3.4b 41 2-65
IDC XII 05 19 37 54.1–1.2 40.80N 145.02E 0 3.9,3.9s **¶602390519**
JMA XII 05 19 37 56.7–.30 40.98N 145.30E 57–3 3.5,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=58.7km s-min=24.7km az=100.0.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC XII 06 16 47 31.4–1.9 33.88N–.05 141.06E–.10 28–13 21 1-58
IDC XII 06 16 47 26.8–2.7 33.84N 141.43E 0 3.6,3.4b **¶602390558**
JMA XII 06 16 47 33.1–.20 33.97N 140.92E 32 3.1,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=32.3km az=49.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 07 08 18 22.4–.20 37.84N 144.12E 52
¶607215270

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 08 18 23.6–.16 37.82N–.02 144.16E–.02 35–2 7.3s,7.0b 3116 2-162
NIED XII 07 08 18 00 37.80N 144.20E 11 7.3W,7.0b **¶602005586**
IDC XII 07 08 18 17.9–.29 37.91N 144.09E 0 7.3,7.3s
BJI XII 07 08 18 19.5 37.78N 144.16E 32 7.6,7.6s
MOS XII 07 08 18 20.8–.96 37.95N 144.05E 25 7.5s,7.2b
ISCJB XII 07 08 18 20.2–.49 37.89N–.01 144.04E–.01 21–3 7.3s,6.9b
NEIC XII 07 08 18 23.1–.06 37.89N 143.95E 31 7.4,7.3W
NEIC XII 07 08 18 24.0–.00 38.19N 144.47E 35 7.4,7.3W
JMA XII 07 08 18 30.8–.30 38.02N 143.87E 49 7.3,7.3W
GCMT XII 07 08 18 46.3–.10 37.77N–.01 143.83E–.01 20–0 7.2W,7.3W
ISC Event type de.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ16.00000°,λ-54.00000°. NP2:ϕ_s6.00000°,δ77.00000°,λ-100.00000°. $M_0$8.75000×10^{19}
MOS Event type fe. Fault plane solution: P-wave C241, D33 . Felt (III-IV) at Malokuril'skoye; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s172.00000°,δ66.00000°,λ44.00000°. NP2:ϕ_s60.00000°,δ50.00000°,λ148.00000°. Principal axes: T Plg48.0000°,Azm33.0000°; N Plg41.0000°,Azm194.0000°; P Plg10.0000° ,Azm293.0000° $M_0$2.20000×10^{20}
ISCJB Event type de.
NEIC Event type de. At least 5 people injured in Miyagi and 5 injured in Tokyo. Felt [V] from Aomori to Kawasaki and from Koriyama to Sendai; [IV] at Fussa, Narita, Tokyo and Yokosuka and in Yokohama; [III] in Niigata and at Sagamihara. Felt widely in northern Honshu and parts of southern Hokkaido. Recorded [5L JMA] in Aomori, Ibaraki, Iwate, Miyagi and Tochigi. A tsunami was recorded with a wave height [above sea level] of 17 cm at Ofunato. Apparent Stress 1.78 MPa. Complex earthquake observed on broadband displacement seismograms, with at least one large event following an initial small onset. Depths 31 and 36 km for the initial small onset and first large event, respectively, from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s112 Moment tensor: Scale 10^{19}Nm; M_{rr}8.53 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-8.81 $M_{r\theta}$2.33 $M_{\theta\phi}$-1.36 $M_{\phi r}$-3.26 Best double couple: NP1:ϕ_s172.00000°,δ56.00000°,λ71.00000°. NP2:ϕ_s24.00000° ,δ38.00000°,λ116.00000°. Principal axes: T 9.8000,Plg71.0000°,Azm36.0000° ; N -0.3100,Plg16.0000°,Azm183.0000°; P -9.4900,Plg9.0000°,Azm276.0000° $M_0$9.70000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s14.00000°,δ31.00000°,λ107.00000°. NP2:ϕ_s175.00000°,δ60.00000°,λ80.00000°. Principal axes: T Plg73.0000°,Azm60.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000° ,Azm272.0000°
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{20}Nm; M_{rr}0.13 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-0.28 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.11 Best double couple: NP1:ϕ_s186.00000° ,δ85.00000°,λ99.00000°. NP2:ϕ_s303.00000°,δ10.00000°,λ28.00000°. Principal axes: T 1.0800,Plg48.0000°,Azm105.0000°; N 0.1200,Plg8.0000°,Azm5.0000° ; P -1.2000,Plg39.0000°,Azm267.0000° $M_0$1.10000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c429; s145,c416;Duration: 11$\pm$8 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.65$\pm$.01 $M_{\theta\theta}$-0.12$\pm$.01; $M_{\phi\phi}$0.76$\pm$.01; $M_{r\theta}$0.04$\pm$.01; $M_{\theta\phi}$0.31$\pm$.01; $M_{\phi r}$0.12$\pm$.01; Best double couple: NP1:ϕ_s198.00000°,δ50.00000°,λ-90.00000°. NP2:ϕ_s18.00000°,δ40.00000°,λ-90.00000°. Principal axes: T 0.8760,Plg5.0000° ,Azm288.0000°; N -0.2170,Plg0.0000°,Azm198.0000°; P -0.6590,Plg85.0000° ,Azm107.0000° $M_0$0.76700×10^{20}
JMA XII 07 08 29 30.6–.20 37.90N 143.56E 45 4.1
¶606068220

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 08 29 40.2–1.8 37.83N–.07 143.8E–.10 35 4.7b 20 2-47
JMA XII 07 08 29 38.4–.20 37.83N 143.75E 53 4.3 **¶606068223**
IDC XII 07 08 29 40.5–2.5 36.32N 141.99E 0 4.7b,4.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=70.3km s-min=26.7km az=64.0.
ISC XII 07 08 31 13.7–.48 37.91N–.03 143.91E–.03 32–3 6.1b 1608 2-160
NIED XII 07 08 31 00 37.90N 143.80E 14 6.1W **¶602005588**
ISCJB XII 07 08 31 09.7–.61 37.96N–.01 143.81E–.01 9–3 6.8s,6.0b
BJI XII 07 08 31 09.5 37.82N 143.84E 15 6.4,6.4s
IDC XII 07 08 31 09.2–.30 37.85N 143.94E 0 5.9,5.8
JMA XII 07 08 31 10.2–.20 37.92N 143.86E 30 6.6,5.8
MOS XII 07 08 31 13.0–.96 38.16N 143.77E 24 6.3b,5.8
NEIC XII 07 08 31 14.0–.00 37.84N 143.63E 11 6.3b,5.8
NEIC XII 07 08 31 14.8–.86 37.91N 143.76E 32–6 6.2W,6.1b
GCMT XII 07 08 31 16.8–.30 37.94N–.03 143.90E–.03 25–1 6.2W,6.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ42.00000°,λ-86.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ-93.00000°. $M_0$1.43000×10^{18}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type se. Moment Tensor Solution. s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$1.60 $M_{r\theta}$-2.27 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.38 Best double couple: NP1:ϕ_s62.00000° ,δ75.00000°,λ-58.00000°. NP2:ϕ_s174.00000°,δ35.00000°,λ-153.00000°. Principal axes: T 2.6000,Plg23.0000°,Azm127.0000°; N 0.5500,Plg30.0000°,Azm232.0000° ; P -3.1400,Plg49.0000°,Azm6.0000° $M_0$2.90000×10^{18}
NEIC Event type fe. Recorded [3 JMA] in Fukushima and Miyagi.
GCMT nsta1 refers to body waves. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c186;Duration: 3$\pm$1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.36$\pm$.20 $M_{\theta\theta}$0.16$\pm$.11; $M_{\phi\phi}$2.20$\pm$.12; $M_{r\theta}$0.30$\pm$.31; $M_{\theta\phi}$1.04$\pm$.05; $M_{\phi r}$-0.08$\pm$.21; Best double couple: NP1:ϕ_s211.00000°,δ46.00000°,λ-79.00000°. NP2: ϕ_s15.00000°,δ45.00000°,λ-102.00000°. Principal axes: T 2.6370,Plg1.0000°,Azm293.0000° ; N -0.2300,Plg8.0000°,Azm23.0000°; P -2.4050,Plg82.0000°,Azm199.0000° $M_0$2.52100×10^{18}

JMA XII 07 08 34 58.4–.20 37.88N 143.76E 43 4.3
¶602032146

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 07 08 35 37.2–.30 37.69N 143.55E 53 4.2
¶603712260

JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 07 08 36 18.6–.89 37.60N–.06 143.67E–.07 35 4.9b 24 2-76
IDC XII 07 08 36 14.9–1.2 37.30N 144.05E 0 4.8,4.6 **¶606068224**
JMA XII 07 08 36 16.8–.20 37.66N 143.67E 41 4.4,4.6
ISCJB XII 07 08 36 18.0–.46 37.59N–.05 143.63E–.05 33 4.8b,4.6
NEIC XII 07 08 36 20.4–.38 37.33N 143.93E 35 5.2b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=23.6km az=104.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=27.3.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.3km az=141.0.
JMA XII 07 08 36 30.3–.20 37.82N 143.73E 43 4.3
¶606068228

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 07 08 36 48.7–.20 37.76N 143.60E 49 4.6
¶606068231

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 08 39 15.9–.20 37.86N 143.59E 48 3.5
¶603712268

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 08 39 53.5–1.4 37.80N–.05 143.7E–.10 35 28 2-58
IDC XII 07 08 39 48.1–2.2 37.71N 143.96E 0 4.2b,4.1 **¶606068232**
ISCJB XII 07 08 39 51.0–.87 37.75N–.04 143.71E–.07 33 4.2b,4.1
JMA XII 07 08 39 53.3–.20 37.81N 143.60E 53 4.2,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=27.2km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=3.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 08 41 11.6–3.9 37.94N–.06 143.63E–.06 25–28 4.4b 88 2-88
IDC XII 07 08 41 07.4–.83 37.78N 143.77E 0 4.3,4.2 **¶602052852**
ISCJB XII 07 08 41 09.7–1.4 37.88N–.04 143.64E–.04 25–10 4.5b,4.2
MOS XII 07 08 41 09.5–1.4 37.88N 143.73E 27 4.8b,4.2
JMA XII 07 08 41 10.6–.10 37.88N 143.61E 48 4.2,4.2
NEIC XII 07 08 41 13.0–.77 37.80N 143.71E 35–6 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=18.9km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.9km az=175.0.
MOS Error ellipse: s-maj=11.6km s-min=8.4km az=94.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=103.0.
JMA XII 07 08 44 19.7–.10 38.07N 143.47E 4 3.2
¶607215271

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 08 44 43.4–1.4 37.59N–.06 143.6E–.10 35 4.0b 32 2-58
IDC XII 07 08 44 37.8–2.2 37.56N 143.90E 0 3.9,3.9 **¶602052853**
ISCJB XII 07 08 44 41.6–.71 37.60N–.04 143.58E–.06 33 4.0b,3.9
NEIC XII 07 08 44 43.5–.75 37.53N 143.69E 35 4.2b,3.9
JMA XII 07 08 44 44.4–.40 37.69N 143.44E 44 3.3,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=26.4km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.3km az=175.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.7km az=109.0.
JMA Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
ISC XII 07 08 45 38.2–.76 38.20N–.05 143.78E–.07 35 4.3b 64 2-76
IDC XII 07 08 45 33.0–.92 38.01N 144.02E 0 4.1,4.0 **¶606068234**
ISCJB XII 07 08 45 35.6–.44 38.27N–.03 143.79E–.04 33 4.3b,4.0
JMA XII 07 08 45 35.6–.20 38.31N 143.67E 21 4.1,4.0
NEIC XII 07 08 45 38.0–.58 38.15N 143.91E 35 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=18.8km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=26.7.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.1km az=120.0.
ISC XII 07 08 48 13.3–.60 37.88N–.03 143.68E–.04 24–4 5.4b 772 2-160
IDC XII 07 08 48 09.2–.35 37.78N 143.74E 0 5.0,4.9 **¶602005589**
ISCJB XII 07 08 48 10.6–.87 37.86N–.02 143.60E–.02 14–5 6.2s,5.3b
JMA XII 07 08 48 11.2–.20 37.89N 143.67E 46 5.1,5.3b
MOS XII 07 08 48 12.4–.96 38.02N 143.63E 24 5.5b,5.3b
NEIC XII 07 08 48 13.0–.91 37.83N 143.61E 20–6 5.5b,5.3b
BJI XII 07 08 48 16.7 38.07N 143.01E 33 5.7b,5.7s
ISC Event type se.
IDC Error ellipse: s-maj=10.7km s-min=9.4km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=158.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=97.7.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.0km az=137.0. Recorded [1 JMA] in Miyagi.
JMA XII 07 08 48 59.3–.10 37.83N 143.53E 13 4.6
¶606068238

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 07 08 50 28.1–.20 37.78N 143.63E 53 3.8
¶606068239

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 08 50 55.8–.30 37.95N 143.73E 46 3.7
¶606068242

JMA Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
ISC XII 07 08 53 18.3–1.5 38.0N–.10 143.9E–.20 40–23 3.9b 21 2-62
ISCJB XII 07 08 53 16.5–1.3 37.97N–.07 143.91E–.08 46–18 3.9b **¶602032148**
JMA XII 07 08 53 16.8–.10 37.95N 143.85E 50 3.5
IDC XII 07 08 53 16.4–2.4 37.39N 144.07E 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=11.1km az=12.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=68.9km s-min=26.7km az=65.0.
ISC XII 07 08 54 02.8–.44 37.78N–.05 143.69E–.05 35 4.5b 157 2-153
IDC XII 07 08 53 57.4–.60 37.70N 143.78E 0 4.4,4.3 **¶602390581**
MOS XII 07 08 53 59.7–1.1 37.78N 143.77E 26 4.7b,4.3
JMA XII 07 08 54 00.6–.20 37.79N 143.57E 56 4.3,4.3
ISCJB XII 07 08 54 01.3–.26 37.74N–.03 143.56E–.03 33 4.4b,4.3
NEIC XII 07 08 54 03.0–.24 37.63N 143.71E 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=13.0km az=126.0.
MOS Error ellipse: s-maj=10.1km s-min=7.5km az=93.8.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=164.2.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=145.0.
ISC XII 07 08 57 23.9–3.5 37.76N–.06 143.71E–.06 31–25 4.3b 107 2-88
IDC XII 07 08 57 18.5–.68 37.71N 143.92E 0 4.2,4.0 **¶602052857**
MOS XII 07 08 57 20.4–1.1 37.75N 143.86E 24 4.9b,4.0
ISCJB XII 07 08 57 22.0–1.4 37.76N–.03 143.71E–.03 32–10 4.2b,4.0
JMA XII 07 08 57 21.3–.20 37.83N 143.79E 46 4.0,4.0
NEIC XII 07 08 57 23.2–1.8 37.74N 143.82E 27–13 4.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.8km az=154.0.
MOS Error ellipse: s-maj=10.7km s-min=8.9km az=96.8.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=171.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=122.0.
JMA XII 07 08 58 13.0–.20 37.89N 143.50E 47 4.2
¶606068247

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 07 08 59 43.9–.30 37.83N 143.43E 18 3.5
¶606068248

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 09 01 50.7–.36 37.79N–.04 143.69E–.05 19 4.6b 237 2-153
IDC XII 07 09 01 48.0–.48 37.76N 143.76E 0 4.5,4.4 **¶602032149**

ISCJB XII 07 09 01 49.2–.19 37.78N–.03 143.59E–.03 19 6.6s,4.6b
JMA XII 07 09 01 50.7–.20 37.94N 143.65E 43 4.4,4.6b
MOS XII 07 09 01 50.2–1.1 37.81N 143.53E 27 4.8b,4.6b
NEIC XII 07 09 01 52.9–.16 37.74N 143.58E 35 4.7b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.9km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=174.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=97.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=148.0.
ISC XII 07 09 03 38.5–1.1 37.63N–.05 143.62E–.06 29–6 4.5b 149 2-128
IDC XII 07 09 03 34.1–.56 37.46N 143.66E 0 5.6,5.6s ¶602323573
MOS XII 07 09 03 36.7–1.4 37.65N 143.69E 30 4.9b,5.6s
JMA XII 07 09 03 37.7–.20 37.62N 143.50E 46 4.6,5.6s
NEIC XII 07 09 03 39.0–.25 37.51N 143.65E 35 4.7b,5.6s
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=12.6km az=133.0.
MOS Error ellipse: s-maj=9.8km s-min=6.1km az=93.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=141.0.
ISC XII 07 09 05 56.7–1.2 37.77N–.05 143.67E–.09 19 3.7b 31 2-58
IDC XII 07 09 05 53.8–1.2 37.64N 143.92E 0 4.0,4.0L ¶602323574
ISCJB XII 07 09 05 55.6–.76 37.80N–.05 143.72E–.06 19 3.7b,4.0L
JMA XII 07 09 05 57.8–.20 37.79N 143.65E 45 4.0,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=20.4km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.5km az=12.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 09 06 35.4–1.3 37.65N–.05 143.78E–.10 35 4.2b 26 2-62
IDC XII 07 09 06 34.4–1.8 37.17N 143.81E 0 4.2,4.1 ¶602390583
ISCJB XII 07 09 06 35.4–.75 37.53N–.04 143.58E–.07 33 4.3b,4.1
JMA XII 07 09 06 35.8–.10 37.73N 143.65E 53 3.8,4.1
NEIC XII 07 09 06 39.8–.59 37.19N 143.67E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=20.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=157.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.3km az=87.0.
ISC XII 07 09 08 12.9–4.4 37.88N–.05 143.75E–.07 18–29 4.1b 59 2-62
IDC XII 07 09 08 09.9–1.1 37.72N 143.95E 0 4.0,3.9 ¶602330308
ISCJB XII 07 09 08 13.1–1.5 37.88N–.04 143.67E–.05 31–12 4.0b,3.9
JMA XII 07 09 08 14.3–.10 38.00N 143.57E 28 4.1,3.9
NEIC XII 07 09 08 15.1–.61 37.70N 143.86E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=19.0km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=6.1km az=18.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.3km az=117.0.
ISC XII 07 09 09 03.2–.62 38.16N–.06 143.66E–.05 15 4.0b 59 2-90
IDC XII 07 09 09 00.8–.71 38.04N 144.00E 0 4.1,4.0 ¶602330335
ISCJB XII 07 09 09 01.5–.36 38.10N–.04 143.78E–.04 15 4.0b,4.0
JMA XII 07 09 09 03.4–.30 38.25N 143.72E 32 4.1,4.0
NEIC XII 07 09 09 06.0–.33 38.08N 143.90E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=15.5km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=177.6.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=134.0.
ISC XII 07 09 10 29.7–.56 37.84N–.05 143.78E–.06 35 4.2b 128 2-145
IDC XII 07 09 10 24.3–.61 37.69N 143.85E 0 4.2,4.1 ¶602323576
MOS XII 07 09 10 26.6–1.4 37.78N 143.85E 27 4.4b,4.1
ISCJB XII 07 09 10 27.7–.27 37.77N–.03 143.73E–.03 33 4.2b,4.1
JMA XII 07 09 10 27.5–.20 37.85N 143.75E 45 4.2,4.1
NEIC XII 07 09 10 29.7–.20 37.73N 143.82E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=14.6km az=148.0.
MOS Error ellipse: s-maj=10.1km s-min=7.7km az=87.7.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.0km az=171.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=152.0.
JMA XII 07 09 12 36.0–.20 38.21N 143.50E 4 3.6
¶603712289
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 07 09 13 21.3–.68 37.80N–.04 143.86E–.05 24–4 4.7b 347 2-153
IDC XII 07 09 13 18.2–.45 37.72N 143.83E 0 4.7,4.6 ¶606068253
MOS XII 07 09 13 20.2–1.1 37.87N 143.78E 26 4.8b,4.6
ISCJB XII 07 09 13 21.3–.16 37.79N–.02 143.73E–.02 34 5.4s,4.7b
JMA XII 07 09 13 21.4–.20 37.88N 143.70E 46 4.6,4.7b
NEIC XII 07 09 13 22.8–.11 37.73N 143.79E 35 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=10.7km az=130.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=95.4.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.2km az=163.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=153.0.
ISC XII 07 09 17 00.6–1.2 37.79N–.06 143.54E–.09 19 3.6b 22 2-62
IDC XII 07 09 16 58.0–1.3 37.68N 143.87E 0 3.8,3.7 ¶606068258
ISCJB XII 07 09 16 59.0–.90 37.83N–.06 143.53E–.07 19 3.5b,3.7
JMA XII 07 09 17 00.7–.20 37.90N 143.55E 46 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=25.1km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.5km az=42.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 09 19 54.9–.93 37.73N–.05 143.57E–.09 35 3.9b 53 2-69
IDC XII 07 09 19 49.7–.95 37.62N 143.71E 0 4.0,3.9 ¶602323577
ISCJB XII 07 09 19 52.8–.47 37.70N–.03 143.57E–.04 33 3.9b,3.9
JMA XII 07 09 19 53.7–.20 37.75N 143.53E 55 3.6,3.9
NEIC XII 07 09 19 55.0–.38 37.66N 143.62E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=17.8km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=12.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=116.0.
ISC XII 07 09 22 08.1–1.3 37.90N–.06 143.57E–.09 35 3.6b 24 2-58
IDC XII 07 09 22 03.6–1.4 37.60N 144.03E 0 3.8,3.7 ¶602032151
ISCJB XII 07 09 22 05.8–.87 37.84N–.05 143.64E–.07 33 3.5b,3.7
JMA XII 07 09 22 06.5–.20 37.91N 143.61E 44 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=39.8km s-min=25.6km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.8km az=170.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 09 23 02.7–.58 37.84N–.04 144.29E–.05 31–3 4.7b 461 2-158
IDC XII 07 09 22 57.8–.47 37.75N 144.33E 0 4.8L,4.7 ¶602390586
BJI XII 07 09 23 00.6 37.98N 144.38E 31 4.8b,4.8b
MOS XII 07 09 23 00.2–.90 37.87N 144.25E 25 4.9b,4.8b
ISCJB XII 07 09 23 01.5–.93 37.88N–.02 144.20E–.02 32–6 5.8s,4.7b
NEIC XII 07 09 23 03.1–.10 37.80N 144.21E 35 4.7b,4.7b
JMA XII 07 09 23 03.4–.20 37.91N 144.09E 48 5.4,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.4km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=99.9.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=156.6.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=1.9km az=156.0. Recorded [1 JMA] in Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 09 23 17.8–.74 37.7N–.10 144.3E–.10 35 4.4b 14 5-83
IDC XII 07 09 23 12.5–.65 37.74N 144.40E 0 4.8L,4.7 ¶607290353
ISCJB XII 07 09 23 15.5–.62 37.7N–.10 144.4E–.20 33 4.4b,4.7
ISC Event type ke.
ISCJB Event type ke.
JMA XII 07 09 25 08.7–.20 37.65N 143.64E 50 3.7
¶603712297
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 09 26 04.2–1.4 37.67N–.06 143.75E–.09 35 23 2-62
IDC XII 07 09 25 59.5–2.1 37.62N 144.04E 0 3.9,3.8 ¶606068261
ISCJB XII 07 09 26 02.2–.88 37.70N–.04 143.79E–.07 33 3.8b,3.8
JMA XII 07 09 26 04.1–.40 37.66N 143.61E 39 3.6,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=33.2km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.4km az=8.5.
JMA Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
ISC XII 07 09 29 04.1–.90 37.90N–.05 143.71E–.07 19 3.6b 46 2-62
IDC XII 07 09 29 01.0–.87 37.74N 143.78E 0 4.0L,3.9 ¶602390591
ISCJB XII 07 09 29 01.8–.58 37.85N–.04 143.74E–.05 19 3.7b,3.9
JMA XII 07 09 29 03.2–.20 37.86N 143.77E 50 4.0,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=17.1km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=7.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 09 30 07.6–.10 37.73N 143.60E 50 3.6
¶606068263
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 09 33 14.3–1.1 37.87N–.07 143.79E–.08 19 3.6b 23 2-62
IDC XII 07 09 33 11.8–1.1 37.73N 143.84E 0 3.7,3.6L ¶606068266
ISCJB XII 07 09 33 12.9–.82 37.81N–.06 143.79E–.07 19 3.5b,3.6L
JMA XII 07 09 33 14.3–.20 37.86N 143.80E 42 3.2,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=22.2km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.5km az=27.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 09 35 44.4–.65 38.08N–.06 143.94E–.06 35 4.1b 93 2-88
IDC XII 07 09 35 39.2–.67 37.94N 144.02E 0 4.1,4.0 ¶602323579
MOS XII 07 09 35 41.8–1.2 38.05N 144.04E 32 4.5b,4.0
ISCJB XII 07 09 35 42.3–.35 38.04N–.03 143.92E–.03 33 4.0b,4.0
JMA XII 07 09 35 42.9–.10 38.03N 143.82E 46 4.2,4.0
NEIC XII 07 09 35 44.4–.28 37.98N 143.99E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=14.7km az=118.0.
MOS Error ellipse: s-maj=11.8km s-min=7.8km az=84.4.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=165.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=132.0.
ISC XII 07 09 36 45.2–.64 37.71N–.05 143.63E–.07 35 4.2b 64 2-83
IDC XII 07 09 36 40.0–.71 37.66N 143.73E 0 4.2,4.1 ¶602330309
MOS XII 07 09 36 41.7–1.2 37.66N 143.71E 26 4.8b,4.1
ISCJB XII 07 09 36 43.6–.43 37.69N–.04 143.52E–.04 33 4.2b,4.1
JMA XII 07 09 36 43.4–.20 37.74N 143.54E 59 3.8,4.1
NEIC XII 07 09 36 45.3–.53 37.67N 143.66E 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=14.2km az=119.0.
MOS Error ellipse: s-maj=11.4km s-min=7.8km az=116.3.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=5.0km az=153.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.1km az=124.0.
ISC XII 07 09 36 56.5–.79 37.6N–.10 143.7E–.10 35 4.0b 22 4-88
IDC XII 07 09 36 51.3–.71 37.59N 143.77E 0 4.3,4.0 ¶602330312
ISCJB XII 07 09 36 54.2–.57 37.64N–.08 143.65E–.09 33 4.0b,4.0
NEIC XII 07 09 36 56.5–.52 37.65N 143.67E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=16.6km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=9.0km az=150.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=139.0.
ISC XII 07 09 38 27.5–1.1 37.76N–.06 143.63E–.08 35 3.8b 25 2-62
IDC XII 07 09 38 23.0–1.2 37.67N 143.77E 0 3.9,3.7 ¶602390593
ISCJB XII 07 09 38 25.8–.78 37.75N–.05 143.61E–.06 33 3.8b,3.7
JMA XII 07 09 38 27.3–.20 37.76N 143.48E 35 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=22.7km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.5km az=35.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 07 09 39 35.3–.30 37.87N 143.70E 36 3.5
¶606068269
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC XII 07 09 41 23.7–.78 37.57N–.06 143.57E–.08 35 3.7b 39 2-149
IDC XII 07 09 41 18.9–.73 37.49N 143.92E 0 3.9,3.9L ¶602340288
ISCJB XII 07 09 41 21.3–.54 37.58N–.04 143.60E–.05 33 3.8b,3.9L
JMA XII 07 09 41 22.0–.20 37.59N 143.52E 52 3.8,3.9L
NEIC XII 07 09 41 23.9–.72 37.54N 143.82E 35 4.5b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=17.1km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=32.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.6km az=109.0.
ISC XII 07 09 41 29.8–1.2 37.99N–.06 143.55E–.09 19 4.3b 22 2-149
ISCJB XII 07 09 41 27.4–.89 38.01N–.04 143.64E–.08 19 4.1b ¶602390596
JMA XII 07 09 41 30.1–.20 37.95N 143.54E 46 3.9
IDC XII 07 09 41 32.5–1.1 37.29N 143.43E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.8km az=167.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=29.9km s-min=21.9km az=115.0.
ISC XII 07 09 42 39.1–1.0 37.69N–.06 143.65E–.08 35 4.1b 35 2-62
IDC XII 07 09 42 34.7–1.2 37.50N 143.69E 0 4.0,3.9L ¶602330244
ISCJB XII 07 09 42 36.7–.61 37.63N–.04 143.66E–.05 33 4.0b,3.9L
JMA XII 07 09 42 38.1–.20 37.69N 143.58E 54 3.7,3.9L
NEIC XII 07 09 42 39.6–.87 37.44N 143.58E 35 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=25.3km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=42.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.6km az=68.0.
ISC XII 07 09 47 10.6–.69 37.85N–.04 143.49E–.07 19 3.8b 64 2-88
IDC XII 07 09 47 07.2–.78 37.71N 143.72E 0 3.9,3.8 ¶602330245
ISCJB XII 07 09 47 08.4–.38 37.81N–.03 143.52E–.04 19 3.8b,3.8
JMA XII 07 09 47 10.4–.20 37.87N 143.48E 45 3.8,3.8
NEIC XII 07 09 47 12.4–.46 37.77N 143.67E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=16.4km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=155.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.0km az=127.0.
ISC XII 07 09 51 18.6–1.0 37.89N–.07 143.78E–.08 35 3.3b 33 2-62
IDC XII 07 09 51 13.3–1.2 37.64N 144.05E 0 3.8,3.8L ¶606068280
JMA XII 07 09 51 15.9–.20 37.85N 143.79E 50 3.4,3.8L
ISCJB XII 07 09 51 16.1–.75 37.81N–.05 143.75E–.06 33 3.5b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 09 56 24.0–3.4 37.68N–.04 143.82E–.05 11–22 4.5b 155 2-149
IDC XII 07 09 56 22.8–.53 37.57N 143.84E 0 5.4,5.4s ¶606068282
MOS XII 07 09 56 24.5–1.3 37.72N 143.82E 26 4.5b,5.4s
JMA XII 07 09 56 26.0–.20 37.74N 143.68E 46 4.2,5.4s
NEIC XII 07 09 56 27.8–.24 37.61N 143.75E 35 4.5b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=13.0km az=123.0.
MOS Error ellipse: s-maj=10.4km s-min=7.0km az=92.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=140.0.
JMA XII 07 09 56 55.3–.20 37.90N 143.53E 46 3.9
¶606068286
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 09 59 14.5–.93 37.59N–.05 143.56E–.08 35 3.8b 36 2-62
IDC XII 07 09 59 09.5–.91 37.47N 143.82E 0 3.9,3.8 ¶602390598

ISCJB XII 07 09 59 12.1–.62 37.56N–.04 143.60E–.05 33 3.8b,3.8
JMA XII 07 09 59 12.9–.20 37.63N 143.58E 46 3.7,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=17.7km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=161.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 01 18.9–1.2 38.01N–.06 144.18E–.08 35 3.8b 30 2-62
IDC XII 07 10 01 13.3–1.9 38.03N 144.47E 0 3.8,3.7 **¶602330246**
ISCJB XII 07 10 01 17.1–.79 38.05N–.05 144.20E–.06 33 3.7b,3.7
JMA XII 07 10 01 17.7–.20 38.10N 144.14E 40 4.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=52.1km s-min=21.0km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.4km az=26.4.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 10 01 42.0–.54 37.83N–.05 143.59E–.06 19 4.3b 95 2-88
IDC XII 07 10 01 38.9–.69 37.76N 143.67E 0 4.1,3.9 **¶602390600**
ISCJB XII 07 10 01 40.1–.29 37.81N–.03 143.54E–.03 19 4.0b,3.9
JMA XII 07 10 01 43.0–.20 37.87N 143.49E 50 4.1,3.9
NEIC XII 07 10 01 44.1–.20 37.77N 143.61E 35 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=15.7km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=163.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.4km az=137.0.
JMA XII 07 10 03 32.2–.20 37.88N 143.60E 50 3.5
¶606068287
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 05 14.9–.87 37.62N–.08 143.65E–.07 35 3.6b 29 2-88
IDC XII 07 10 05 06.9–.77 37.03N 143.63E 0 3.9,3.8 **¶602330313**
JMA XII 07 10 05 15.1–.20 37.75N 143.62E 59 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.4km az=141.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 05 21.5–.94 37.0N–.20 142.7E–.10 35 4.2b 15 4-77
IDC XII 07 10 05 17.1–.88 36.81N 143.27E 0 4.0,3.8 **¶602390603**
ISCJB XII 07 10 05 18.8–.63 36.97N–.10 142.7E–.10 35 4.0b,3.8
NEIC XII 07 10 05 21.1–.53 37.03N 142.65E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=20.8km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=13.6km az=7.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=12.1km az=147.0.
ISC XII 07 10 08 19.9–.68 37.88N–.05 143.86E–.06 35 4.2b 93 2-88
IDC XII 07 10 08 15.0–.73 37.72N 143.91E 0 4.1,4.0 **¶602330314**
MOS XII 07 10 08 17.1–1.0 37.87N 143.85E 26 4.4b,4.0
ISCJB XII 07 10 08 18.2–.34 37.88N–.03 143.80E–.03 33 4.2b,4.0
JMA XII 07 10 08 19.1–.10 37.90N 143.75E 46 4.1,4.0
NEIC XII 07 10 08 20.0–.41 37.75N 143.87E 35 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=16.4km az=126.0.
MOS Error ellipse: s-maj=11.9km s-min=8.6km az=85.6.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=162.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=139.0.
ISC XII 07 10 13 24.4–1.1 38.03N–.04 144.01E–.05 46–10 3.9b 62 2-88
IDC XII 07 10 13 17.6–.73 37.83N 144.17E 0 3.9,3.9L **¶602330315**
ISCJB XII 07 10 13 21.3–.80 37.89N–.03 144.04E–.05 40–8 3.9b,3.9L
JMA XII 07 10 13 21.9–.20 37.96N 144.03E 44 4.1,3.9L
NEIC XII 07 10 13 22.9–.36 37.89N 144.19E 35 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=16.4km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.2km az=30.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=130.0.
JMA XII 07 10 14 54.5–.20 37.78N 143.55E 51 3.5
¶606068289
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 18 20.5–.90 37.76N–.05 143.62E–.08 19 4.1b 59 2-69
ISCJB XII 07 10 18 18.0–.41 37.74N–.03 143.68E–.04 19 4.0b **¶606068292**
IDC XII 07 10 18 17.2–1.4 37.66N 143.81E 0 3.9,3.9
JMA XII 07 10 18 21.7–.20 37.74N 143.51E 51 3.5,3.9
NEIC XII 07 10 18 21.9–.40 37.70N 143.81E 35 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=156.3.
IDC Error ellipse: s-maj=37.8km s-min=18.4km az=80.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.6km az=124.0.
ISC XII 07 10 20 19.0–1.3 37.69N–.06 143.67E–.09 35 3.6b 29 2-62
IDC XII 07 10 20 14.0–1.8 37.68N 143.87E 0 3.7,3.6 **¶602390606**
ISCJB XII 07 10 20 17.5–.82 37.73N–.04 143.63E–.06 33 3.6b,3.6
JMA XII 07 10 20 20.0–.30 37.72N 143.45E 51 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=21.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=17.9.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 07 10 22 12.2–1.1 37.85N–.05 143.78E–.08 35 3.6b 37 2-62
IDC XII 07 10 22 07.5–1.1 37.70N 144.00E 0 3.7,3.7L **¶606068295**
ISCJB XII 07 10 22 10.3–.69 37.83N–.04 143.77E–.06 33 3.6b,3.7L
JMA XII 07 10 22 10.8–.20 37.87N 143.71E 43 3.5,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=19.8km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.4km az=12.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 24 22.0–.96 37.77N–.05 143.81E–.08 35 3.8b 37 2-62
IDC XII 07 10 24 17.2–.92 37.62N 144.07E 0 3.8,3.7 **¶602390608**
ISCJB XII 07 10 24 19.7–.64 37.73N–.04 143.81E–.05 33 3.7b,3.7
JMA XII 07 10 24 21.1–.20 37.76N 143.69E 54 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=17.9km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.2km az=9.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 25 59.0–1.1 37.60N–.04 143.51E–.09 35 3.7b 33 2-64
IDC XII 07 10 25 54.2–1.1 37.48N 143.62E 0 3.9,3.7 **¶602390610**
ISCJB XII 07 10 25 56.6–.70 37.60N–.04 143.57E–.06 33 3.8b,3.7
JMA XII 07 10 25 57.9–.20 37.62N 143.49E 48 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=18.9km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=4.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 27 37.0–.68 38.06N–.05 143.85E–.07 35 4.0b 79 2-88
IDC XII 07 10 27 31.4–.72 37.94N 143.93E 0 4.0,3.9 **¶606068298**
ISCJB XII 07 10 27 34.7–.36 38.01N–.03 143.87E–.03 33 4.0b,3.9
JMA XII 07 10 27 34.5–.20 38.04N 143.86E 38 3.9,3.9
NEIC XII 07 10 27 36.9–.29 38.01N 143.91E 35 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=15.8km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=153.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=128.0.
ISC XII 07 10 31 40.6–1.1 37.91N–.07 143.53E–.08 19 3.4b 25 2-62
IDC XII 07 10 31 36.8–1.3 37.83N 143.94E 0 3.5,3.4 **¶602390611**
ISCJB XII 07 10 31 38.7–.77 37.90N–.05 143.58E–.06 19 3.4b,3.4
JMA XII 07 10 31 40.7–.20 37.91N 143.53E 42 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=21.6km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=7.0km az=36.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 32 23.0–1.3 37.0N–.10 142.4E–.10 9 3.6b 8 3-57
ISCJB XII 07 10 32 20.8–1.2 37.0N–.10 142.3E–.20 9 3.5b **¶602390614**
IDC XII 07 10 32 21.6–1.4 37.02N 142.19E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=16.4km az=36.7.
IDC Error ellipse: s-maj=34.8km s-min=26.8km az=105.0.
ISC XII 07 10 34 26.6–.99 37.98N–.05 143.94E–.08 35 3.6b 36 2-69
IDC XII 07 10 34 21.0–1.1 38.02N 144.28E 0 3.7,3.7L **¶602390615**
ISCJB XII 07 10 34 25.0–.67 37.99N–.05 143.94E–.05 33 3.6b,3.7L
JMA XII 07 10 34 26.7–.10 38.06N 143.81E 40 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=19.2km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.9km az=173.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 10 49 00.8–1.9 37.88N–.05 143.8E–.10 35 3.6b 24 2-58
ISCJB XII 07 10 48 59.6–1.1 37.82N–.04 143.78E–.08 33 3.6b **¶602390616**
JMA XII 07 10 49 00.3–.20 37.91N 143.77E 44 3.5
IDC XII 07 10 49 01.4–1.5 37.15N 143.62E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.8km az=179.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=33.0km s-min=29.6km az=151.0.
ISC XII 07 10 52 52.0–.97 37.89N–.05 143.71E–.07 19 3.6b 33 2-76
IDC XII 07 10 52 49.1–.96 37.71N 143.81E 0 3.8,3.7L **¶602390618**
ISCJB XII 07 10 52 51.0–.72 37.88N–.05 143.67E–.05 19 3.5b,3.7L
JMA XII 07 10 52 53.0–.20 37.92N 143.66E 42 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=21.3km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.1km az=1.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 10 54 56.9–.93 37.84N–.05 143.62E–.08 19 3.9b 45 2-58
IDC XII 07 10 54 53.5–1.2 37.70N 143.92E 0 3.9,3.8 **¶606068305**
ISCJB XII 07 10 54 54.8–.54 37.88N–.04 143.61E–.04 19 3.9b,3.8
JMA XII 07 10 54 57.0–.20 37.88N 143.53E 51 3.8,3.8
NEIC XII 07 10 54 58.8–.45 37.67N 143.82E 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=20.9km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=5.0km az=13.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.3km az=120.0.
ISC XII 07 10 59 07.4–.94 37.92N–.06 144.08E–.07 35 3.5b 40 2-73
IDC XII 07 10 59 02.3–.92 37.60N 144.33E 0 3.9,3.7 **¶602390619**
ISCJB XII 07 10 59 04.2–.67 37.95N–.04 144.16E–.05 33 3.6b,3.7
JMA XII 07 10 59 05.6–.20 37.94N 144.04E 44 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=22.2km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.6km az=155.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC XII 07 10 59 53.4–1.5 36.76N 143.42E 0 3.9,3.6b
¶602390622
IDC Error ellipse: s-maj=49.3km s-min=29.9km az=124.0.
ISC XII 07 11 05 18.2–1.2 37.90N–.06 143.47E–.07 19 23 2-58
IDC XII 07 11 05 15.4–1.4 37.77N 143.93E 0 3.5,3.3 **¶602390623**
ISCJB XII 07 11 05 17.8–.95 37.79N–.05 143.55E–.07 19 3.3b,3.3
JMA XII 07 11 05 20.5–.20 37.85N 143.50E 52 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=25.9km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.9km az=21.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 07 55.2–1.0 37.76N–.05 143.84E–.08 35 3.6b 46 2-58
IDC XII 07 11 07 50.8–1.3 37.63N 143.90E 0 4.1L,3.8 **¶602330321**
ISCJB XII 07 11 07 53.8–.61 37.69N–.04 143.74E–.05 33 3.7b,3.8
JMA XII 07 11 07 53.7–.30 37.82N 143.76E 45 3.8,3.8
NEIC XII 07 11 07 56.6–.86 37.65N 143.77E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=21.9km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=16.4.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.0km az=122.0.
ISC XII 07 11 11 51.5–.84 37.65N–.06 143.75E–.07 35 3.6b 29 2-62
IDC XII 07 11 11 46.7–.86 37.51N 143.77E 0 3.8,3.7 **¶606068310**
ISCJB XII 07 11 11 49.5–.62 37.60N–.06 143.69E–.05 33 3.6b,3.7
JMA XII 07 11 11 52.8–.40 37.71N 143.47E 46 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=16.2km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=156.4.
JMA Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
ISC XII 07 11 14 49.9–.93 37.42N–.06 143.64E–.07 35 3.7b 31 2-63
IDC XII 07 11 14 45.2–.89 37.27N 143.75E 0 3.8,3.7 **¶602390625**
ISCJB XII 07 11 14 48.4–.66 37.44N–.05 143.60E–.05 33 3.7b,3.7
JMA XII 07 11 14 50.1–.20 37.48N 143.48E 54 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=16.9km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=174.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 11 15 55.8–.60 37.92N 143.67E 42 3.5
¶606068313
JMA Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0.
ISC XII 07 11 21 37.7–2.0 37.78N–.08 143.7E–.10 19 3.7b 18 2-58
ISCJB XII 07 11 21 38.3–1.5 37.85N–.06 143.5E–.10 19 3.7b **¶602390627**
JMA XII 07 11 21 38.1–.20 37.81N 143.63E 52 3.4
IDC XII 07 11 21 43.7–2.1 37.97N 142.88E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.7km az=27.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=45.6km s-min=30.5km az=74.0.
ISC XII 07 11 25 04.9–.94 37.86N–.06 143.84E–.07 35 3.7b 39 2-62
IDC XII 07 11 24 59.7–1.2 37.67N 143.96E 0 3.8,3.7 **¶602390628**
ISCJB XII 07 11 25 03.3–.68 37.84N–.05 143.82E–.05 33 3.7b,3.7
JMA XII 07 11 25 04.0–.20 37.84N 143.76E 49 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=23.2km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.0km az=167.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 26 25.6–1.5 37.90N–.07 143.7E–.10 19 3.6b 17 2-62
ISCJB XII 07 11 26 26.4–1.3 37.77N–.06 143.5E–.10 19 3.6b **¶602390629**
JMA XII 07 11 26 27.7–.20 37.87N 143.59E 52 3.3
IDC XII 07 11 26 28.7–1.3 37.13N 143.17E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.8km az=170.3.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=32.5km s-min=26.0km az=76.0.
ISC XII 07 11 29 41.6–.89 37.96N–.05 143.85E–.07 35 3.9b 68 2-62
IDC XII 07 11 29 36.7–.92 37.88N 143.99E 0 3.9,3.9L **¶602330322**
ISCJB XII 07 11 29 39.3–.47 37.95N–.03 143.86E–.04 33 3.9b,3.9L
JMA XII 07 11 29 39.7–.10 38.02N 143.84E 41 4.0,3.9L
NEIC XII 07 11 29 41.6–.54 37.94N 143.94E 35 4.4b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=17.2km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.4km az=13.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=98.0.
ISC XII 07 11 33 35.0–1.2 37.78N–.05 143.79E–.09 35 3.5b 26 2-58
IDC XII 07 11 33 30.2–1.4 37.72N 143.97E 0 4.0L,3.9 **¶602390630**
ISCJB XII 07 11 33 33.2–.81 37.83N–.05 143.83E–.07 33 3.6b,3.9
JMA XII 07 11 33 34.5–.20 37.90N 143.75E 44 3.4,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=23.4km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=7.0km az=146.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 34 19.3–1.7 37.91N–.10 143.9E–.10 35 3.6b 11 2-58
IDC XII 07 11 34 13.6–2.5 38.45N 143.96E 0 3.8,3.7b **¶602390633**
JMA XII 07 11 34 23.9–.20 37.92N 143.64E 41 3.2,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=36.3km az=66.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

ISC XII 07 11 35 31.9–1.0 37.79N–.06 143.56E–.08 35 3.4b 26 2-62
IDC XII 07 11 35 26.4–.98 37.67N 143.69E 0 3.7,3.6 ¶602390634
ISCJB XII 07 11 35 29.5–.71 37.74N–.04 143.59E–.06 33 3.5b,3.6
JMA XII 07 11 35 30.7–.30 37.77N 143.48E 55 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=18.7km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.7km az=35.5.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
JMA XII 07 11 35 37.0–.20 37.99N 143.85E 50 3.5
¶606068320
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 40 21.4–1.1 37.74N–.05 143.53E–.09 35 3.5b 34 2-62
IDC XII 07 11 40 15.9–1.2 37.62N 143.79E 0 3.7,3.6 ¶602390635
ISCJB XII 07 11 40 18.8–.69 37.72N–.04 143.58E–.06 33 3.5b,3.6
JMA XII 07 11 40 19.8–.20 37.74N 143.50E 52 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=20.2km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.8km az=10.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC XII 07 11 40 43.4–3.0 36.82N 143.93E 0 3.8,3.6
¶602390638
IDC Error ellipse: s-maj=75.6km s-min=36.2km az=60.0.
ISC XII 07 11 42 04.5–2.2 37.87N–.06 143.8E–.10 38–28 3.6b 31 2-62
IDC XII 07 11 41 59.5–1.5 37.59N 144.05E 0 3.6,3.4L ¶602390639
ISCJB XII 07 11 42 03.4–1.2 37.87N–.04 143.69E–.08 52–15 3.5b,3.4L
JMA XII 07 11 42 03.9–.10 37.89N 143.64E 49 3.6,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=29.7km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.8km az=15.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 43 56.3–1.4 37.64N–.05 143.69E–.08 35 3.6b 28 2-62
ISCJB XII 07 11 43 55.2–.90 37.60N–.04 143.66E–.07 33 3.6b ¶602390640
IDC XII 07 11 43 55.9–1.9 37.03N 143.60E 0 3.8,3.7b
JMA XII 07 11 43 56.2–.20 37.64N 143.57E 55 3.3,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.8km az=167.9.
IDC Error ellipse: s-maj=50.5km s-min=23.6km az=58.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 47 10.9–1.3 38.15N–.05 143.80E–.10 35 3.6b 36 2-62
IDC XII 07 11 47 05.2–1.6 38.08N 144.02E 0 3.9,3.8 ¶602390641
ISCJB XII 07 11 47 08.5–.73 38.18N–.04 143.89E–.06 33 3.6b,3.8
JMA XII 07 11 47 09.4–.10 38.18N 143.66E 17 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=19.9km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.4km az=29.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 11 51 43.8–3.5 37.89N–.08 143.9E–.10 3–23 21 2-58
IDC XII 07 11 51 36.4–1.6 38.75N 144.47E 0 3.7,3.6L ¶602390642
JMA XII 07 11 51 48.3–.20 37.88N 143.78E 45 3.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=67.2km s-min=30.3km az=128.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 52 41.4–1.5 37.92N–.07 143.7E–.10 19 19 2-62
IDC XII 07 11 52 39.4–2.0 37.82N 143.79E 0 3.7,3.5 ¶602390643
ISCJB XII 07 11 52 40.4–.98 37.84N–.06 143.62E–.08 19 3.6b,3.5
JMA XII 07 11 52 43.6–.20 37.95N 143.52E 41 3.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=34.5km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=8.4km az=136.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 11 54 03.6–1.2 37.96N–.08 143.90E–.09 35 3.6b 16 2-62
IDC XII 07 11 53 58.5–1.4 37.94N 143.96E 0 3.8,3.6L ¶602390644
ISCJB XII 07 11 54 01.4–.92 37.94N–.07 143.95E–.07 33 3.6b,3.6L
JMA XII 07 11 54 03.7–.20 38.01N 143.77E 33 3.6,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=24.5km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.4km az=12.7.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 11 55 24.9–.78 37.78N–.05 143.80E–.07 35 4.0b 60 2-76
IDC XII 07 11 55 19.4–.79 37.70N 143.96E 0 4.0,3.9 ¶602330323
ISCJB XII 07 11 55 22.3–.43 37.72N–.03 143.81E–.04 33 3.9b,3.9
NEIC XII 07 11 55 24.6–.41 37.74N 143.86E 35 4.4b,3.9
JMA XII 07 11 55 25.1–.20 37.80N 143.70E 51 3.8,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=16.4km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=28.5.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=110.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 11 57 08.5–1.2 37.85N–.07 143.95E–.08 35 3.5b 16 2-62
IDC XII 07 11 57 03.3–1.4 38.01N 144.16E 0 3.5,3.3 ¶602390645
ISCJB XII 07 11 57 06.5–.94 37.86N–.06 143.98E–.07 33 3.3b,3.3
JMA XII 07 11 57 08.6–.10 37.83N 143.83E 47 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=26.8km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.4km az=25.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 11 58 57.9–1.1 37.77N–.06 143.49E–.09 19 3.5b 22 2-62
IDC XII 07 11 58 54.5–1.2 37.44N 143.79E 0 3.7,3.5 ¶602390646
ISCJB XII 07 11 58 56.7–.90 37.74N–.05 143.46E–.07 19 3.5b,3.5
JMA XII 07 11 58 57.0–.20 37.79N 143.57E 53 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=24.0km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.9km az=26.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 12 05 26.6–.44 37.95N–.04 143.81E–.04 28–2 4.8b 569 2-159
NIED XII 07 12 05 00 37.90N 143.80E 5 5.1W ¶602006330
IDC XII 07 12 05 21.6–.44 37.75N 143.94E 0 4.7,4.6
ISCJB XII 07 12 05 22.7–.86 37.93N–.02 143.69E–.02 8–5 5.1s,4.8b
JMA XII 07 12 05 24.2–.10 37.91N 143.79E 50 5.0,4.8b
NEIC XII 07 12 05 27.9–.13 37.85N 143.75E 35 4.8b,4.8b
MOS XII 07 12 05 27.0–1.0 38.20N 143.67E 30 5.0b,4.6s
BJI XII 07 12 05 30.0 38.16N 143.18E 35 5.4b,4.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ22.00000°,λ-100.00000°. NP2:ϕ_e204.00000°,δ68.00000°,λ-86.00000°. $M_0$4.25000×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=10.5km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.3km az=165.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.6km az=152.0.
MOS Error ellipse: s-maj=6.3km s-min=4.4km az=101.9.
ISC XII 07 12 07 04.9–.79 37.72N–.05 143.71E–.08 35 4.4b 39 2-88
IDC XII 07 12 06 60.0–.39 37.70N 143.80E 0 4.5,4.4 ¶602390647
ISCJB XII 07 12 07 03.2–.62 37.71N–.04 143.68E–.05 33 4.2b,4.4
JMA XII 07 12 07 03.2–.20 37.75N 143.68E 46 4.4,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=7.5km s-min=6.7km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=34.3.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
JMA XII 07 12 14 03.1–.20 38.10N 143.84E 40 3.6
¶607215273
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 12 14 18.2–3.2 37.70N–.05 143.51E–.05 11–21 3.8b 46 2-88
IDC XII 07 12 14 14.9–.71 37.51N 144.08E 0 4.0L,3.9 ¶602323578
JMA XII 07 12 14 18.5–.20 37.91N 143.52E 54 3.7,3.9
NEIC XII 07 12 14 20.1–.51 37.51N 143.93E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=15.4km az=129.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=131.0.
ISC XII 07 12 14 58.7–.64 37.72N–.06 143.55E–.07 35 3.9b 57 4-88
IDC XII 07 12 14 53.7–.66 37.68N 143.58E 0 4.1,4.0 ¶602390650
ISCJB XII 07 12 14 56.8–.47 37.71N–.05 143.51E–.06 33 3.9b,4.0
NEIC XII 07 12 14 59.0–.49 37.77N 143.49E 35 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=13.4km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=135.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=140.0.
ISC XII 07 12 15 29.2–1.2 37.5N–.10 142.5E–.20 21 4.1b 11 4-63
IDC XII 07 12 15 26.2–.49 37.47N 142.58E 0 4.1,4.0 ¶602390653
ISCJB XII 07 12 15 27.2–1.0 37.43N–.10 142.6E–.20 21 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 12 18 29.6–.91 37.69N–.08 143.89E–.10 35 3.5b 19 5-76
IDC XII 07 12 18 24.3–.90 37.67N 144.04E 0 4.1,4.1s ¶602390654
ISCJB XII 07 12 18 27.3–.74 37.68N–.05 143.88E–.09 33 3.6b,4.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 12 18 45.3–.85 37.97N–.06 143.67E–.07 35 3.8b 23 2-76
IDC XII 07 12 18 41.1–.85 37.57N 144.28E 0 4.1,3.9 ¶602390657
ISCJB XII 07 12 18 43.7–.71 37.86N–.06 143.63E–.06 33 3.9b,3.9
JMA XII 07 12 18 43.5–.20 37.92N 143.61E 36 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=17.6km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.3km az=25.1.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 12 25 43.2–.53 37.93N–.05 143.78E–.06 35 4.3b 154 2-145
IDC XII 07 12 25 37.6–.63 37.76N 143.88E 0 4.5,4.5s ¶602390658
MOS XII 07 12 25 40.0–1.3 37.93N 143.84E 26 4.6b,4.5s
ISCJB XII 07 12 25 41.0–.25 37.88N–.03 143.72E–.03 33 4.5s,4.3b
JMA XII 07 12 25 41.1–.10 37.92N 143.70E 50 4.4,4.3b
NEIC XII 07 12 25 43.0–.18 37.83N 143.81E 35 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=14.2km az=129.0.
MOS Error ellipse: s-maj=10.1km s-min=6.7km az=84.6.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=165.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=148.0.
ISC XII 07 12 30 09.8–1.3 37.84N–.07 143.75E–.09 35 3.5b 24 2-62
IDC XII 07 12 30 04.4–1.9 37.72N 144.07E 0 3.5,3.4 ¶602390660
ISCJB XII 07 12 30 07.2–.86 37.81N–.05 143.79E–.07 33 3.5b,3.4
JMA XII 07 12 30 07.5–.10 37.87N 143.79E 44 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=53.8km s-min=23.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.2km az=135.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 07 12 30 42.5–.20 37.91N 143.50E 51 3.5
¶606068339
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 12 33 36.7–.63 37.63N–.04 143.70E–.05 28–3 4.6b 329 2-145
ISCJB XII 07 12 33 32.8–.99 37.61N–.03 143.63E–.02 11–6 4.6b,4.3s ¶602006332
IDC XII 07 12 33 32.3–.49 37.48N 143.80E 0 4.5,4.4
JMA XII 07 12 33 34.8–.20 37.61N 143.66E 56 4.6,4.4
MOS XII 07 12 33 36.4–1.2 37.66N 143.60E 37 4.8b,4.4
NEIC XII 07 12 33 37.7–.15 37.55N 143.64E 35 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.9km az=167.0.
IDC Error ellipse: s-maj=14.0km s-min=11.3km az=129.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=106.2.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=153.0.
ISC XII 07 12 36 09.8–.48 37.91N–.05 143.58E–.06 19 4.3b 164 2-145
IDC XII 07 12 36 06.5–.58 37.79N 143.66E 0 4.2,4.2 ¶602090154
ISCJB XII 07 12 36 07.8–.22 37.82N–.03 143.57E–.03 19 4.2b,4.2
JMA XII 07 12 36 09.4–.20 37.90N 143.53E 35 4.3,4.2
MOS XII 07 12 36 09.1–1.3 37.89N 143.64E 28 4.4b,4.2
NEIC XII 07 12 36 11.8–.14 37.80N 143.62E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=12.6km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.8km az=160.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=6.7km az=81.4.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.5km az=145.0.
ISC XII 07 12 47 45.4–1.0 37.81N–.05 143.81E–.06 25–6 4.4b 186 2-88
IDC XII 07 12 47 41.0–.58 37.67N 143.93E 0 4.3,4.2 ¶602006334
MOS XII 07 12 47 43.4–.94 37.78N 143.85E 25 4.5b,4.2
JMA XII 07 12 47 44.3–.20 37.82N 143.76E 45 4.3,4.2
NEIC XII 07 12 47 46.4–.15 37.68N 143.85E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=12.0km az=136.0.
MOS Error ellipse: s-maj=8.7km s-min=6.5km az=113.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=148.0.
ISC XII 07 12 48 50.4–.48 37.61N–.04 143.70E–.04 31–2 4.9b 639 2-159
NIED XII 07 12 48 00 37.60N 143.70E 5 5.0W ¶602006335
ISCJB XII 07 12 48 44.9–.87 37.63N–.02 143.66E–.02 2–5 4.8b,4.6s
IDC XII 07 12 48 45.5–.41 37.54N 143.77E 0 4.9,4.8
JMA XII 07 12 48 47.8–.20 37.62N 143.65E 46 5.0,4.8
NEIC XII 07 12 48 50.9–.09 37.55N 143.67E 35 4.8b,4.8
MOS XII 07 12 48 50.4–1.1 37.80N 143.64E 33 5.1b,4.4s
BJI XII 07 12 48 53.5 37.84N 143.06E 35 5.3b,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ23.00000°,λ-85.00000°. NP2:ϕ_s194.00000°,δ67.00000°,λ-92.00000°. $M_0$3.12000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=166.5.
IDC Error ellipse: s-maj=12.0km s-min=10.0km az=119.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=153.0.
MOS Error ellipse: s-maj=6.5km s-min=4.3km az=111.1.
ISC XII 07 12 53 30.6–.88 37.79N–.05 143.83E–.08 35 3.7b 60 2-76
IDC XII 07 12 53 25.7–.90 37.64N 143.91E 0 3.9,3.8 ¶602320149
ISCJB XII 07 12 53 28.4–.49 37.78N–.03 143.82E–.04 33 3.8b,3.8
JMA XII 07 12 53 28.8–.20 37.79N 143.76E 50 3.8,3.8
NEIC XII 07 12 53 30.7–.47 37.66N 143.88E 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=17.5km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.6km az=143.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.5km az=127.0.
ISC XII 07 12 58 05.5–.50 37.86N–.03 143.69E–.04 24–3 5.0b 810 2-153
NIED XII 07 12 58 00 37.90N 143.60E 5 4.8W ¶602006336
ISCJB XII 07 12 58 01.8–.84 37.84N–.02 143.63E–.02 8–5 5.0b,4.6s
BJI XII 07 12 58 04.5 37.90N 143.70E 35 5.2b,5.0b
MOS XII 07 12 58 04.0–.92 37.83N 143.67E 25 5.2b,4.6s
JMA XII 07 12 58 04.4–.10 37.92N 143.65E 45 4.9,4.6s
IDC XII 07 12 58 05.3–5.7 37.80N 143.73E 22–37 4.8,4.7
NEIC XII 07 12 58 07.2–.07 37.84N 143.63E 35 5.0b,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ20.00000°,λ-105.00000°. NP2:ϕ_s215.00000°,δ71.00000°,λ-85.00000°. $M_0$2.08000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=164.0.
MOS Error ellipse: s-maj=6.5km s-min=4.6km az=106.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=12.1km s-min=8.5km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=145.0. Recorded [1 JMA] in Miyagi.
ISC XII 07 13 05 24.6–1.0 37.71N–.06 143.69E–.08 35 3.6b 31 2-80
IDC XII 07 13 05 19.6–1.1 37.63N 143.78E 0 3.7,3.6 ¶602390661
ISCJB XII 07 13 05 22.9–.71 37.66N–.05 143.67E–.06 33 3.6b,3.6
JMA XII 07 13 05 24.0–.20 37.68N 143.58E 46 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=21.3km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.3km az=148.6.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC XII 07 13 06 02.8–1.3 37.98N 143.84E 0 3.9,3.6b
¶602390664

IDC Error ellipse: s-maj=55.3km s-min=26.5km az=119.0.
ISC XII 07 13 28 47.4–.87 37.76N–.05 143.71E–.07 35 3.7b 44 2-76
IDC XII 07 13 28 42.2–.94 37.60N 143.94E 0 4.1L,4.0 **¶602390665**
ISCJB XII 07 13 28 45.3–.59 37.76N–.04 143.71E–.05 33 3.7b,4.0
JMA XII 07 13 28 45.8–.20 37.78N 143.68E 56 3.9,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=18.3km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.9km az=144.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 13 39 25.6–1.1 37.81N–.05 143.83E–.08 35 3.5b 33 2-62
IDC XII 07 13 39 21.0–1.1 37.70N 144.04E 0 3.6,3.6L **¶606068373**
ISCJB XII 07 13 39 24.1–.71 37.76N–.04 143.79E–.06 35 3.5b,3.6L
JMA XII 07 13 39 26.5–.20 37.79N 143.62E 54 3.5,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=22.6km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=164.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 13 40 32.7–.20 37.94N 143.61E 43 3.5
¶606068375

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 13 42 11.9–.99 37.67N–.05 143.67E–.08 35 3.4b 35 2-62
IDC XII 07 13 42 06.7–.98 37.49N 143.81E 0 3.7,3.5 **¶602390667**
ISCJB XII 07 13 42 09.3–.65 37.63N–.04 143.70E–.05 33 3.4b,3.5
JMA XII 07 13 42 10.5–.20 37.64N 143.60E 53 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=18.7km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.9km az=32.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 13 42 31.9–.85 37.86N–.06 143.84E–.07 35 3.8b 26 2-76
IDC XII 07 13 42 26.5–.82 37.71N 143.94E 0 4.2L,4.0 **¶602390670**
ISCJB XII 07 13 42 29.5–.64 37.88N–.04 143.86E–.05 33 3.8b,4.0
JMA XII 07 13 42 31.5–.20 37.92N 143.70E 31 4.1,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=17.6km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=171.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 13 47 46.3–1.4 37.74N–.06 144.01E–.08 35 29 2-62
IDC XII 07 13 47 42.4–1.7 37.68N 143.92E 0 3.6,3.4 **¶602390671**
ISCJB XII 07 13 47 44.9–.85 37.72N–.04 143.96E–.06 33 3.5b,3.4
JMA XII 07 13 47 46.5–.20 37.81N 143.90E 42 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=26.4km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=6.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 13 51 35.7–1.5 37.85N–.06 143.7E–.10 19 19 2-62
IDC XII 07 13 51 33.5–2.1 37.74N 143.99E 0 3.6,3.4 **¶602390672**
ISCJB XII 07 13 51 34.6–1.1 37.83N–.07 143.7E–.10 19 3.5b,3.4
JMA XII 07 13 51 36.1–.20 37.87N 143.77E 48 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=33.5km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=7.4km az=148.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 13 52 31.6–1.3 37.52N–.07 143.65E–.09 35 3.5b 16 2-62
IDC XII 07 13 52 26.0–1.6 37.46N 143.97E 0 3.7,3.6 **¶606068380**
ISCJB XII 07 13 52 29.7–1.0 37.42N–.05 143.56E–.08 33 3.4b,3.6
JMA XII 07 13 52 29.8–.60 37.50N 143.53E 40 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=20.5km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=28.6.
JMA Error ellipse: s-maj=3.3km s-min=4.4km az=-1.0.
ISC XII 07 13 57 30.3–.85 37.71N–.06 143.61E–.07 35 3.6b 30 2-76
IDC XII 07 13 57 25.0–.82 37.36N 144.00E 0 3.8,3.7 **¶602390677**
ISCJB XII 07 13 57 27.8–.65 37.75N–.05 143.61E–.05 33 3.6b,3.6s
JMA XII 07 13 57 28.2–.20 37.69N 143.54E 46 3.6,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=18.3km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.6km az=169.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 14 04 24.1–.89 37.72N–.05 143.61E–.07 35 3.4b 31 2-76
IDC XII 07 14 04 19.1–.86 37.56N 143.81E 0 3.7,3.6 **¶602390678**
ISCJB XII 07 14 04 22.0–.65 37.73N–.04 143.61E–.05 33 3.5b,3.6
JMA XII 07 14 04 22.8–.20 37.71N 143.51E 46 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=18.5km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.7km az=2.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 14 05 06.4–.20 37.96N 144.02E 44 3.6
¶603712424

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 14 06 07.7–1.0 37.71N–.05 143.72E–.07 35 3.6b 31 2-62
IDC XII 07 14 06 03.0–1.1 37.49N 143.94E 0 3.9,3.9 **¶606068387**
ISCJB XII 07 14 06 05.7–.74 37.69N–.04 143.72E–.05 33 4.0s,3.7b
JMA XII 07 14 06 06.3–.20 37.67N 143.64E 46 3.6,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=21.1km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=6.1km az=145.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 14 06 21.0–1.1 37.65N–.06 143.65E–.08 35 3.8b 21 2-62
IDC XII 07 14 06 15.8–1.0 37.50N 143.86E 0 4.0,3.9L **¶606068389**
ISCJB XII 07 14 06 18.5–.78 37.61N–.05 143.71E–.06 33 3.8b,3.9L
JMA XII 07 14 06 19.7–.30 37.75N 143.69E 46 3.7,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=19.9km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.6km az=169.8.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC XII 07 14 08 37.1–.89 37.78N–.05 143.53E–.07 35 3.6b 32 2-76
IDC XII 07 14 08 32.1–.80 37.68N 143.69E 0 3.9,3.9L **¶602390683**
ISCJB XII 07 14 08 35.0–.62 37.78N–.04 143.53E–.05 35 3.6b,3.9L
JMA XII 07 14 08 35.4–.20 37.87N 143.52E 47 3.8,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=15.7km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=158.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 14 11 29.8–.20 37.81N 143.75E 45 3.5
¶606068395

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 14 17 21.6–.20 37.95N 143.86E 34 3.5
¶606068403

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 14 32 17.5–.50 37.90N–.05 143.57E–.06 35 4.4b 161 2-91
NIED XII 07 14 32 00 37.90N 143.50E 8 4.5W **¶606068416**
IDC XII 07 14 32 11.9–.57 37.81N 143.71E 0 4.3,4.2
MOS XII 07 14 32 14.0–1.0 37.88N 143.69E 26 4.7b,4.2
JMA XII 07 14 32 15.2–.10 37.88N 143.53E 46 4.7,4.2
ISCJB XII 07 14 32 16.1–.23 37.83N–.03 143.48E–.03 35 4.3b,4.1s
NEIC XII 07 14 32 17.2–.25 37.81N 143.63E 35 5.1b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ33.00000°,λ-105.00000°. NP2:ϕ_s228.00000°,δ58.00000°,λ-80.00000°. $M_0$6.24000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=12.2km az=132.0.
MOS Error ellipse: s-maj=9.0km s-min=5.8km az=112.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=167.2.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=135.0.
ISC XII 07 14 34 31.9–.66 37.91N–.05 144.09E–.07 35 4.0b 64 2-88
IDC XII 07 14 34 26.6–.67 37.80N 144.23E 0 4.1,4.1L **¶602214778**
ISCJB XII 07 14 34 29.4–.39 37.87N–.03 144.06E–.04 33 4.0b,4.1L
JMA XII 07 14 34 30.0–.20 37.92N 144.01E 44 4.2,4.1L
NEIC XII 07 14 34 31.6–.42 37.85N 144.18E 35 4.7b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=14.6km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.3km az=20.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.3km az=126.0.
ISC XII 07 14 55 12.7–1.5 37.73N–.05 143.70E–.09 35 3.5b 26 2-62
ISCJB XII 07 14 55 11.7–.94 37.69N–.04 143.60E–.07 33 3.5b **¶602390688**
IDC XII 07 14 55 12.4–1.8 37.15N 143.77E 0 3.7,3.6
JMA XII 07 14 55 13.3–.30 37.73N 143.49E 41 3.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.6km az=165.2.
IDC Error ellipse: s-maj=41.8km s-min=24.5km az=64.0.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 07 14 56 23.1–.64 37.93N–.05 143.81E–.06 35 4.0b 82 2-76
IDC XII 07 14 56 18.1–.63 37.82N 143.87E 0 4.1,4.1L **¶602214779**
MOS XII 07 14 56 19.3–1.2 37.93N 143.94E 26 4.7b,4.1L
ISCJB XII 07 14 56 20.8–.40 37.89N–.03 143.78E–.04 33 4.0b,3.5s
JMA XII 07 14 56 20.8–.20 37.93N 143.76E 44 4.1,3.5s
NEIC XII 07 14 56 23.1–.41 37.85N 143.81E 35 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=14.1km az=121.0.
MOS Error ellipse: s-maj=11.7km s-min=8.3km az=94.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=25.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.3km az=117.0.
ISC XII 07 14 59 37.1–1.4 37.90N–.07 144.07E–.10 35 3.4b 20 2-62
ISCJB XII 07 14 59 35.6–1.1 37.86N–.07 144.04E–.09 33 3.6b **¶606068430**
JMA XII 07 14 59 36.4–.20 37.90N 143.96E 34 3.4
IDC XII 07 14 59 37.0–17 37.30N 143.03E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.2km az=135.6.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=607.7km s-min=32.8km az=63.0.
ISC XII 07 15 14 38.8–1.4 37.64N–.07 143.6E–.10 35 3.5b 26 2-62
IDC XII 07 15 14 32.9–2.0 37.52N 143.78E 0 3.8,3.8L **¶602006340**
ISCJB XII 07 15 14 36.0–.82 37.60N–.05 143.63E–.08 33 3.6b,3.8L
JMA XII 07 15 14 36.4–.20 37.62N 143.58E 54 3.7,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=21.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.6km az=143.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 15 15 17.3–.77 37.64N–.10 143.5E–.10 35 3.9b 23 4-76
IDC XII 07 15 15 11.9–.73 37.60N 143.58E 0 4.1,4.0 **¶602390690**
ISCJB XII 07 15 15 15.1–.61 37.59N–.09 143.53E–.10 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 15 15 31.3–.36 37.88N–.04 143.89E–.04 35 4.9b 468 2-153
NIED XII 07 15 15 00 38.00N 143.60E 5 4.6W **¶602390692**
IDC XII 07 15 15 25.6–.45 37.77N 143.88E 0 4.8,4.8
MOS XII 07 15 15 28.0–1.0 38.06N 143.81E 16 5.1b,4.3s
BJI XII 07 15 15 29.4 38.03N 143.92E 38 5.1b,4.9b
JMA XII 07 15 15 29.5–.30 37.96N 143.64E 13 4.7,4.9b
ISCJB XII 07 15 15 30.2–.16 37.93N–.03 143.78E–.02 33 4.8b,4.3s
NEIC XII 07 15 15 31.6–.21 37.87N 143.78E 35 5.0b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ27.00000°,λ-109.00000°. NP2:ϕ_s224.00000°,δ65.00000°,λ-80.00000°. $M_0$7.55000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=10.6km az=141.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=110.1.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=174.8.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=153.0. Recorded [1 JMA] in Miyagi.
ISC XII 07 15 20 34.0–.58 37.89N–.05 143.88E–.06 35 4.1b 101 2-149
NIED XII 07 15 20 00 37.90N 143.70E 5 4.2W **¶602090155**
IDC XII 07 15 20 28.5–.58 37.73N 143.94E 0 4.3,4.2
MOS XII 07 15 20 30.0–1.3 37.86N 143.99E 26 4.3b,4.2
ISCJB XII 07 15 20 32.0–.36 37.89N–.03 143.83E–.03 33 4.2b,4.2
JMA XII 07 15 20 31.6–.20 37.92N 143.75E 24 4.3,4.2
NEIC XII 07 15 20 33.8–.27 37.76N 143.89E 35 4.7b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ26.00000°,λ-114.00000°. NP2:ϕ_s232.00000°,δ66.00000°,λ-79.00000°. $M_0$2.40000×10^{15}
IDC Error ellipse: s-maj=15.7km s-min=13.1km az=116.0.
MOS Error ellipse: s-maj=10.8km s-min=7.6km az=99.5.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.7km az=173.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.0km az=134.0.
JMA XII 07 15 21 45.0–.20 37.90N 143.95E 40 3.8
¶606068440

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 15 25 52.6–.84 38.20N–.07 143.76E–.07 35 3.5b 39 2-76
IDC XII 07 15 25 46.9–.73 38.08N 144.03E 0 3.8,3.7 **¶602390694**
JMA XII 07 15 25 49.7–.10 38.22N 143.74E 34 4.1,3.7
ISCJB XII 07 15 25 50.4–.56 38.19N–.05 143.75E–.05 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 15 26 10.6–.76 38.19N–.07 144.27E–.07 35 4.1b 28 2-75
IDC XII 07 15 26 05.3–.71 38.02N 144.41E 0 4.2,4.1 **¶602390697**
ISCJB XII 07 15 26 08.3–.55 38.13N–.05 144.23E–.06 33 4.0b,4.1
JMA XII 07 15 26 08.9–.40 38.12N 144.14E 42 4.3,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=14.8km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.8km az=154.8.
JMA Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
ISC XII 07 15 28 53.5–.97 37.56N–.05 143.66E–.08 35 3.7b 41 2-62
IDC XII 07 15 28 48.6–.96 37.39N 143.96E 0 3.7,3.6L **¶602390698**
ISCJB XII 07 15 28 51.5–.66 37.58N–.04 143.66E–.05 35 3.6b,3.6L
JMA XII 07 15 28 52.5–.20 37.58N 143.57E 54 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=20.0km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.6km az=2.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 15 36 01.6–1.8 37.87N–.07 143.6E–.10 19 3.5b 20 2-62
ISCJB XII 07 15 36 01.4–1.3 37.82N–.06 143.54E–.09 19 3.5b **¶606068449**
IDC XII 07 15 36 01.7–2.7 37.35N 143.68E 0 3.6,3.5
JMA XII 07 15 36 02.8–.20 37.82N 143.54E 52 3.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.8km az=161.3.
IDC Error ellipse: s-maj=74.0km s-min=23.6km az=59.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 15 47 25.7–1.1 37.94N–.05 143.57E–.07 19 3.8b 31 2-62
IDC XII 07 15 47 22.9–1.1 37.79N 143.77E 0 3.9,3.7 **¶602390700**
ISCJB XII 07 15 47 24.1–.73 37.88N–.04 143.58E–.06 19 3.7b,3.7
JMA XII 07 15 47 26.0–.10 37.91N 143.57E 46 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=21.5km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.9km az=10.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 15 47 48.1–.30 37.80N 143.58E 47 3.9
¶606068457

JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
JMA XII 07 15 49 12.9–.10 37.99N 143.78E 32 3.6
¶603712494

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 15 49 29.8–1.1 37.51N–.06 143.37E–.07 19 3.6b 16 2-61
IDC XII 07 15 49 26.3–1.2 37.28N 142.85E 0 3.7,3.6b **¶606068458**
JMA XII 07 15 49 35.7–.30 37.85N 143.48E 40 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=27.1km az=102.0.

JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISC XII 07 15 53 54.5–1.3 38.09N–.06 144.18E–.08 35 3.5b 27 2-62
IDC XII 07 15 53 50.0–2.0 37.98N 144.36E 0 3.7,3.6 **¶602390702**
ISCJB XII 07 15 53 52.9–.82 38.13N–.05 144.17E–.06 33 3.6b,3.6
JMA XII 07 15 53 54.5–.20 38.10N 144.03E 41 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=54.8km s-min=25.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.6km az=161.2.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 15 55 11.0–1.4 37.88N–.05 143.59E–.08 19 29 2-62
IDC XII 07 15 55 08.7–2.1 37.81N 143.78E 0 3.6,3.4 **¶602390703**
ISCJB XII 07 15 55 10.1–.85 37.92N–.04 143.59E–.07 19 3.4b,3.4
JMA XII 07 15 55 12.5–.20 37.89N 143.50E 43 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=33.1km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=163.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 16 01 53.1–.44 37.79N–.04 143.85E–.04 24–2 5.1b,4.5s 775 2-153
NIED XII 07 16 01 00 37.80N 143.80E 5 4.9W,4.5s **¶602006344**
IDC XII 07 16 01 48.8–.46 37.62N 143.88E 0 4.9,4.9
JMA XII 07 16 01 51.4–.30 37.80N 143.79E 51 5.0,4.9
MOS XII 07 16 01 53.7–1.3 38.04N 143.72E 28 5.3b,4.7s
ISCJB XII 07 16 01 53.1–.12 37.71N–.02 143.74E–.02 36 5.0b,4.4s
NEIC XII 07 16 01 54.6–.12 37.65N 143.77E 35 5.1b,4.4s
BJI XII 07 16 01 55.9 38.01N 143.24E 31 5.2b,4.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ23.00000°,λ-97.00000°. NP2:ϕ_s207.00000°,δ68.00000°,λ-87.00000°. $M_0$2.93000×10^{16}
IDC Error ellipse: s-maj=13.3km s-min=10.4km az=136.0.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=103.7.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.0km az=165.2.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=155.0.
ISC XII 07 16 11 55.4–.48 37.81N–.05 143.78E–.05 35 4.6b 193 2-145
NIED XII 07 16 11 00 37.80N 143.70E 5 4.5W **¶602006345**
IDC XII 07 16 11 50.0–.52 37.65N 143.88E 0 4.6,4.5
JMA XII 07 16 11 52.7–.20 37.78N 143.74E 56 4.8,4.5
MOS XII 07 16 11 53.7–.92 37.99N 143.70E 26 4.9b,4.5
ISCJB XII 07 16 11 54.3–.26 37.84N–.03 143.67E–.03 33 4.6b,4.3s
NEIC XII 07 16 11 55.4–.25 37.72N 143.75E 35 4.7b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ20.00000°,λ-112.00000°. NP2:ϕ_s205.00000°,δ72.00000°,λ-82.00000°. $M_0$6.07000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=11.7km az=136.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=5.5km az=103.3.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=167.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=157.0.
JMA XII 07 16 17 01.9–.10 37.76N 143.72E 46 3.1
¶602006346
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 16 18 41.8–.54 37.79N–.05 143.82E–.04 30–3 4.9b,4.2s 351 2-153
NIED XII 07 16 18 00 37.80N 143.80E 5 4.7W,4.2s **¶606068466**
IDC XII 07 16 18 36.8–.48 37.64N 143.90E 0 4.7,4.6
ISCJB XII 07 16 18 38.0–1.1 37.90N–.03 143.71E–.03 8–6 4.8b,4.2s
JMA XII 07 16 18 39.5–.40 37.81N 143.76E 52 4.8,4.2s
MOS XII 07 16 18 40.2–.98 37.97N 143.74E 24 5.1b,4.2s
NEIC XII 07 16 18 42.5–.20 37.74N 143.76E 35 4.9b,4.2s
BJI XII 07 16 18 44.4 38.09N 143.25E 33 5.3b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ23.00000°,λ-95.00000°. NP2:ϕ_s202.00000°,δ67.00000°,λ-88.00000°. $M_0$1.30000×10^{16}
IDC Error ellipse: s-maj=13.4km s-min=11.1km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=165.7.
JMA Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=4.8km az=104.5.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=155.0.
ISC XII 07 16 27 16.4–1.3 37.88N–.07 143.59E–.08 19 23 2-58
IDC XII 07 16 27 13.6–1.5 37.74N 143.88E 0 3.6,3.4 **¶602390705**
ISCJB XII 07 16 27 15.1–.87 37.86N–.05 143.61E–.06 19 3.4b,3.4
JMA XII 07 16 27 17.4–.10 37.89N 143.56E 43 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=26.3km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.2km az=162.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 16 28 00.0–.20 37.88N 143.53E 49 3.7
¶606068473
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 16 36 42.5–1.3 37.67N–.05 143.6E–.10 35 3.5b 29 2-62
NIED XII 07 16 36 00 37.70N 143.60E 5 3.8W **¶606068479**
IDC XII 07 16 36 37.2–1.7 37.58N 143.95E 0 3.9,3.9L
ISCJB XII 07 16 36 40.4–.83 37.65N–.04 143.64E–.06 33 3.6b,3.9L
JMA XII 07 16 36 41.4–.30 37.67N 143.57E 47 3.7,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ43.00000°,λ-128.00000°. NP2:ϕ_s219.00000°,δ58.00000°,λ-60.00000°. $M_0$6.35000×10^{14}
IDC Error ellipse: s-maj=42.1km s-min=19.9km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=171.6.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 07 16 43 16.3–1.3 37.60N–.06 143.55E–.09 35 19 2-58
IDC XII 07 16 43 11.3–1.4 37.37N 143.79E 0 3.5,3.3 **¶606068482**
ISCJB XII 07 16 43 14.3–.99 37.53N–.05 143.59E–.07 33 3.4b,3.3
JMA XII 07 16 43 15.2–.20 37.66N 143.59E 50 2.9,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=26.2km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=7.8km az=3.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 16 47 27.5–1.5 37.89N–.07 143.84E–.09 35 22 2-62
IDC XII 07 16 47 23.3–2.0 37.87N 143.77E 0 3.7,3.6b **¶602390708**
ISCJB XII 07 16 47 25.3–.92 37.94N–.06 143.92E–.07 33 3.9b,3.6b
JMA XII 07 16 47 25.5–.20 37.86N 143.85E 41 3.3,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=33.7km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.1km az=40.4.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 16 54 00.0–1.0 37.84N–.05 143.61E–.08 19 3.7b 35 2-62
IDC XII 07 16 53 57.3–1.1 37.67N 143.79E 0 3.9,3.8 **¶602390710**
ISCJB XII 07 16 53 58.6–.71 37.81N–.04 143.54E–.06 19 3.7b,3.8
JMA XII 07 16 54 00.8–.10 37.91N 143.50E 37 3.7,3.8
NIED XII 07 16 54 00 37.90N 143.50E 5 3.9W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=20.7km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.8km az=13.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ31.00000°,λ-108.00000°. NP2:ϕ_s217.00000°,δ61.00000°,λ-79.00000°. $M_0$7.87000×10^{14}
ISC XII 07 17 11 39.6–1.6 37.99N–.07 143.78E–.10 35 20 2-62
IDC XII 07 17 11 34.3–2.1 37.92N 144.19E 0 3.4,3.4L **¶602390712**
ISCJB XII 07 17 11 37.4–1.0 37.99N–.06 143.85E–.08 33 3.4b,3.4L
JMA XII 07 17 11 37.9–.10 37.98N 143.81E 48 3.3,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=33.3km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.9km az=144.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 17 16 10.5–1.4 37.96N–.08 143.77E–.09 35 3.4b 23 2-58
IDC XII 07 17 16 04.2–2.1 37.84N 144.15E 0 3.6,3.6L **¶602390713**
ISCJB XII 07 17 16 09.1–1.1 37.96N–.07 143.75E–.08 33 3.4b,3.6L
JMA XII 07 17 16 09.2–.20 37.97N 143.72E 44 3.5,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=24.3km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=9.1km az=5.9.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 17 17 19.5–.93 37.94N–.09 143.69E–.08 35 3.6b 26 2-69
IDC XII 07 17 17 13.8–.90 37.86N 143.95E 0 3.8,3.6 **¶602390714**
ISCJB XII 07 17 17 17.3–.71 37.93N–.06 143.70E–.06 33 3.6b,3.6
JMA XII 07 17 17 18.3–.10 37.99N 143.59E 35 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=20.5km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.4km az=18.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 17 34 02.6–.99 37.35N–.05 143.63E–.08 35 4.2b 60 2-61
IDC XII 07 17 33 57.4–1.1 37.16N 143.88E 0 4.1,3.9 **¶602330324**
ISCJB XII 07 17 33 59.9–.51 37.35N–.04 143.67E–.04 33 4.1b,3.9
JMA XII 07 17 34 00.8–.20 37.38N 143.60E 55 4.0,3.9
NIED XII 07 17 34 00 37.40N 143.60E 5 3.9W,3.9
NEIC XII 07 17 34 02.3–.74 37.24N 143.77E 35 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=19.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.7km az=138.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ18.00000°,λ-121.00000°. NP2:ϕ_s220.00000°,δ75.00000°,λ-80.00000°. $M_0$8.41000×10^{14}
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.4km az=115.0.
ISC XII 07 17 39 06.4–1.5 37.68N–.07 143.65E–.09 35 20 2-62
IDC XII 07 17 39 01.7–2.0 37.56N 143.85E 0 3.6,3.4 **¶602390715**
ISCJB XII 07 17 39 04.2–.93 37.65N–.05 143.71E–.08 33 3.5b,3.4
JMA XII 07 17 39 05.2–.20 37.67N 143.63E 46 2.9,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=56.5km s-min=33.1km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.5km az=179.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 17 52 45.5–2.1 37.87N–.08 143.4E–.10 35 3.5b 17 2-47
IDC XII 07 17 52 34.4–12 37.44N 144.30E 0 3.7L,3.6 **¶602390716**
JMA XII 07 17 52 42.5–.20 37.81N 143.44E 53 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=218.9km s-min=46.3km az=125.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 17 56 38.0–1.1 37.96N–.07 144.17E–.08 35 3.8b 25 2-62
IDC XII 07 17 56 32.6–1.1 37.85N 144.38E 0 3.8,3.7 **¶602390717**
ISCJB XII 07 17 56 35.7–.74 37.95N–.06 144.19E–.06 33 3.7b,3.5s
JMA XII 07 17 56 37.0–.20 37.96N 144.09E 45 3.6,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=19.2km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.5km az=21.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 18 01 43.8–.48 37.90N–.04 143.53E–.05 19 4.4b 124 2-83
NIED XII 07 18 01 00 37.90N 143.60E 5 4.0W **¶602064811**
IDC XII 07 18 01 41.3–.61 37.85N 143.74E 0 4.2,4.1
MOS XII 07 18 01 42.7–1.1 37.92N 143.80E 25 5.1b,4.1
ISCJB XII 07 18 01 42.4–.28 37.90N–.03 143.67E–.03 19 5.4s,4.4b
NEIC XII 07 18 01 42.7–1.8 37.84N 143.78E 10–11 4.8b,4.4b
JMA XII 07 18 01 44.6–.20 37.91N 143.58E 52 4.2,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ42.00000°,λ-119.00000°. NP2:ϕ_s226.00000°,δ54.00000°,λ-67.00000°. $M_0$1.29000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=12.6km az=123.0.
MOS Error ellipse: s-maj=9.9km s-min=6.8km az=99.8.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=160.2.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=119.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 18 04 54.6–2.0 37.93N–.09 143.7E–.10 19 13 2-58
ISCJB XII 07 18 04 54.9–1.9 37.90N–.09 143.6E–.20 19 3.7b **¶602390718**
JMA XII 07 18 04 55.7–.20 37.94N 143.63E 43 3.1
IDC XII 07 18 04 58.1–1.7 36.86N 143.60E 0 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=13.1km az=16.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=52.2km s-min=33.6km az=126.0.
ISC XII 07 18 36 45.1–1.4 38.03N–.06 143.92E–.09 35 3.7b 27 2-62
ISCJB XII 07 18 36 43.9–.94 38.03N–.05 143.90E–.07 33 4.1s,3.8b **¶602390721**
JMA XII 07 18 36 44.4–.10 38.04N 143.86E 42 3.6,3.8b
IDC XII 07 18 36 45.5–1.7 37.45N 143.75E 0 4.4,4.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.0km az=136.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=46.2km s-min=22.2km az=62.0.
ISC XII 07 18 38 06.6–1.4 37.93N–.07 144.27E–.09 35 3.5b 21 2-62
ISCJB XII 07 18 38 05.9–1.0 37.84N–.06 144.16E–.07 33 3.5b **¶602390722**
JMA XII 07 18 38 07.3–.20 37.95N 144.09E 43 3.4
IDC XII 07 18 38 10.4–2.7 36.71N 143.98E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.3km az=138.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=77.3km s-min=25.8km az=61.0.
JMA XII 07 18 47 58.6–.20 37.94N 143.74E 45 2.6
¶602077249
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 07 18 49 01.2–.50 38.04N–.06 144.13E–.06 35 4.0b 101 2-88
IDC XII 07 18 48 56.3–.62 38.08N 144.21E 0 4.1,4.0 **¶602390723**
ISCJB XII 07 18 48 59.7–.36 38.12N–.04 144.06E–.04 33 4.0b,4.0
JMA XII 07 18 48 59.8–.20 38.20N 144.01E 36 4.4,4.0
NEIC XII 07 18 49 01.6–.31 38.09N 144.14E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=13.9km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=169.7.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.0km az=138.0.
ISC XII 07 18 49 26.9–.49 37.99N–.05 144.09E–.06 35 4.3b 110 2-88
IDC XII 07 18 49 22.5–.58 37.93N 144.14E 0 4.2,4.1 **¶603712567**
MOS XII 07 18 49 24.9–1.4 38.02N 144.08E 29 4.7b,4.1
ISCJB XII 07 18 49 25.6–.29 37.96N–.04 143.94E–.04 33 4.3b,4.1
JMA XII 07 18 49 25.3–.40 37.93N 143.84E 46 4.4,4.1
NEIC XII 07 18 49 27.8–.28 37.92N 144.03E 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=14.7km az=91.0.
MOS Error ellipse: s-maj=10.5km s-min=8.0km az=97.9.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=164.3.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=146.0.
ISC XII 07 18 50 53.2–.40 38.24N–.04 144.05E–.05 35 4.6b 163 2-144
IDC XII 07 18 50 48.1–.57 38.18N 144.15E 0 4.3,4.2 **¶602330326**
MOS XII 07 18 50 50.7–.91 38.32N 144.04E 25 4.8b,4.2
JMA XII 07 18 50 50.9–.20 38.22N 144.05E 50 4.4,4.2
ISCJB XII 07 18 50 51.5–.21 38.22N–.03 144.03E–.03 33 4.5b,4.2
NEIC XII 07 18 50 53.0–1.2 38.20N 144.10E 32–8 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=13.2km az=124.0.
MOS Error ellipse: s-maj=8.9km s-min=6.1km az=103.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=160.5.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=120.0.
ISC XII 07 18 53 24.7–.63 37.82N–.06 143.73E–.07 19 94 2-91
IDC XII 07 18 53 21.4–.74 37.64N 143.92E 0 4.0,4.0L **¶602330327**
ISCJB XII 07 18 53 22.5–.34 37.79N–.03 143.80E–.03 19 4.2b,4.0L
MOS XII 07 18 53 22.4–1.5 37.76N 143.91E 24 4.8b,4.0L
JMA XII 07 18 53 25.4–.20 37.76N 143.65E 48 3.9,4.0L
NEIC XII 07 18 53 26.6–.35 37.71N 143.78E 35 4.9b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=15.5km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=168.6.
MOS Error ellipse: s-maj=15.5km s-min=8.5km az=86.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=125.0.
ISC XII 07 18 57 22.9–.85 37.98N–.05 143.85E–.08 19 3.4b 42 2-76
IDC XII 07 18 57 19.8–.83 37.81N 144.14E 0 4.1L,3.7 **¶602077252**
ISCJB XII 07 18 57 20.9–.58 37.94N–.04 143.84E–.05 19 3.4b,3.7
JMA XII 07 18 57 23.5–.20 38.01N 143.78E 43 4.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=18.4km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=157.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 19 01 37.7–.75 37.89N–.06 143.87E–.07 35 54 2-69
IDC XII 07 19 01 32.2–.96 37.75N 144.06E 0 4.1,4.1s **¶602330328**
ISCJB XII 07 19 01 35.5–.44 37.85N–.04 143.85E–.04 33 4.3b,4.1s
JMA XII 07 19 01 35.3–.20 37.89N 143.79E 33 3.5,4.1s
NEIC XII 07 19 01 37.4–.40 37.74N 143.95E 35 4.6b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=19.7km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=1.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=143.0.
IDC XII 07 19 09 33.0–1.8 36.48N 143.71E 0 3.8,3.8s
¶602390725
IDC Error ellipse: s-maj=50.6km s-min=35.4km az=132.0.
ISC XII 07 19 11 30.8–4.0 38.17N–.05 144.09E–.06 15–25 4.2b 83 2-90
IDC XII 07 19 11 28.7–.69 38.11N 144.15E 0 4.1,3.9 **¶602330329**
ISCJB XII 07 19 11 31.1–1.3 38.22N–.04 144.04E–.04 26–10 4.1b,3.9
JMA XII 07 19 11 31.8–.10 38.31N 143.98E 26 4.0,3.9
NEIC XII 07 19 11 33.7–.38 38.12N 144.12E 35 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=14.5km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.7km az=1.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=125.0.
ISC XII 07 19 16 00.5–.77 38.24N–.06 143.98E–.07 35 3.7b 46 2-118
IDC XII 07 19 15 54.8–.89 38.12N 144.07E 0 4.0,3.8 **¶602390726**
JMA XII 07 19 15 57.8–.10 38.27N 144.01E 36 3.9,3.8
ISCJB XII 07 19 15 58.7–.62 38.29N–.05 144.00E–.04 33 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 19 34 37.9–1.5 37.83N–.06 143.75E–.10 35 25 2-58
IDC XII 07 19 34 34.3–3.5 37.49N 143.94E 0 3.5,3.4b **¶602390727**
ISCJB XII 07 19 34 35.4–1.0 37.87N–.06 143.82E–.08 33 3.4b,3.4b
JMA XII 07 19 34 35.8–.10 37.91N 143.76E 37 3.3,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=79.5km s-min=43.2km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.9km az=138.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 19 36 15.4–1.0 37.49N–.06 143.47E–.08 35 3.5b 24 2-61
IDC XII 07 19 36 10.0–1.2 37.52N 143.65E 0 3.7,3.6 **¶606068537**
ISCJB XII 07 19 36 13.0–.77 37.54N–.05 143.55E–.06 33 3.5b,3.6
JMA XII 07 19 36 14.2–.20 37.54N 143.42E 39 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=21.0km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.6km az=28.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 19 40 51.0–.78 37.66N–.05 143.65E–.08 35 4.2b 58 2-69
IDC XII 07 19 40 46.0–1.0 37.53N 143.78E 0 4.0L,3.9 **¶602330330**
ISCJB XII 07 19 40 48.8–.46 37.64N–.04 143.69E–.04 33 4.1b,3.9
JMA XII 07 19 40 49.4–.10 37.68N 143.62E 45 3.6,3.9
NEIC XII 07 19 40 50.8–.47 37.58N 143.73E 35 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=17.3km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=28.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=101.0.
ISC XII 07 19 43 34.1–1.6 37.79N–.06 143.77E–.10 35 3.6b 20 2-58
ISCJB XII 07 19 43 33.2–1.1 37.77N–.05 143.71E–.09 33 3.6b **¶602390730**
JMA XII 07 19 43 33.9–.20 37.77N 143.68E 52 3.1
IDC XII 07 19 43 34.8–2.7 37.16N 143.57E 0 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.9km az=11.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=70.4km s-min=34.6km az=68.0.
ISC XII 07 19 56 43.1–1.9 37.8N–.10 143.8E–.10 35 11 2-58
IDC XII 07 19 56 34.6–3.4 38.45N 144.23E 0 3.9,3.9b **¶602390731**
ISCJB XII 07 19 56 44.3–1.6 37.68N–.10 143.6E–.10 33 3.9b,3.6s
JMA XII 07 19 56 45.7–.20 37.65N 143.49E 64 3.1,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=73.2km s-min=44.7km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=10.2km az=135.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 20 10 48.1–1.5 37.87N–.06 143.65E–.09 35 23 2-58
IDC XII 07 20 10 46.5–3.5 37.40N 143.82E 0 3.3,3.2b **¶602390732**
ISCJB XII 07 20 10 47.3–1.1 37.85N–.05 143.59E–.08 33 3.2b,3.2b
JMA XII 07 20 10 48.0–.20 37.90N 143.55E 46 3.0,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=80.4km s-min=43.0km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.8km az=172.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 20 14 24.7–2.0 37.91N–.05 143.5E–.10 49–31 3.6b 23 2-58
ISCJB XII 07 20 14 22.0–1.1 37.80N–.04 143.63E–.08 45–19 3.3b **¶602390733**
IDC XII 07 20 14 21.7–2.4 37.41N 143.71E 0 3.6,3.6
JMA XII 07 20 14 23.2–.20 37.86N 143.53E 48 3.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.5km az=2.8.
IDC Error ellipse: s-maj=45.1km s-min=33.8km az=73.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 20 24 48.7–1.0 38.08N–.06 143.87E–.08 35 3.6b 30 2-62
IDC XII 07 20 24 43.2–.98 37.89N 144.04E 0 3.7,3.6L **¶606068553**
ISCJB XII 07 20 24 46.3–.74 38.05N–.05 143.92E–.05 33 3.5b,3.6L
JMA XII 07 20 24 47.0–.20 38.02N 143.83E 40 3.5,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=19.9km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.8km az=12.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 20 30 38.8–.64 37.86N–.04 143.65E–.04 20–2 4.8b,4.2s 418 2-146
NIED XII 07 20 30 00 38.00N 143.60E 5 4.7W,4.2s **¶602032166**
IDC XII 07 20 30 35.6–.55 37.79N 143.76E 0 4.5,4.5
BJI XII 07 20 30 37.5 38.10N 143.50E 10 5.0b,4.6b
NEIC XII 07 20 30 38.2–1.4 37.79N 143.64E 14–8 4.9b,4.6b
MOS XII 07 20 30 38.8–1.2 37.96N 143.64E 27 5.0b,4.1s
JMA XII 07 20 30 39.0–.20 37.95N 143.55E 35 4.7,4.1s
ISCJB XII 07 20 30 39.5–.15 37.88N–.02 143.54E–.02 32 4.7b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ29.00000°,λ-120.00000°. NP2:ϕ_s216.00000°,δ65.00000°,λ-75.00000°. $M_0$1.07000×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC XII 07 20 37 37.8–1.3 37.86N–.05 143.67E–.05 29–9 4.5b 161 2-90
NIED XII 07 20 37 00 37.90N 143.60E 8 4.5W **¶602330331**
IDC XII 07 20 37 33.6–.58 37.73N 143.71E 0 4.3,4.2
ISCJB XII 07 20 37 34.8–1.2 37.85N–.03 143.56E–.03 17–9 4.4b,4.2
MOS XII 07 20 37 35.8–1.2 37.90N 143.66E 26 4.9b,4.2
JMA XII 07 20 37 36.4–.10 37.93N 143.56E 39 4.5,4.2
NEIC XII 07 20 37 36.2–2.4 37.79N 143.68E 17–14 4.7b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ38.00000°,λ-130.00000°. NP2:ϕ_s225.00000°,δ62.00000°,λ-63.00000°. $M_0$5.51000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=12.9km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=174.9.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=111.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=120.0.
ISC XII 07 20 52 25.9–1.5 38.32N–.07 144.04E–.09 14 28 2-59
IDC XII 07 20 52 22.7–2.1 38.21N 144.34E 0 3.7,3.5 **¶602390736**
ISCJB XII 07 20 52 25.8–1.2 38.36N–.05 143.99E–.07 14 3.4b,3.5
JMA XII 07 20 52 27.3–.10 38.30N 143.93E 25 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=30.1km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.5km az=32.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 21 01 13.3–.55 37.61N–.04 143.70E–.05 23–3 4.8b,4.0s 319 2-146
NIED XII 07 21 01 00 37.60N 143.60E 5 4.6W,4.0s **¶602030327**
ISCJB XII 07 21 01 09.5–.95 37.59N–.03 143.57E–.03 6–6 4.7b,4.0s
IDC XII 07 21 01 09.6–.46 37.52N 143.67E 0 4.7,4.6
JMA XII 07 21 01 12.3–.20 37.60N 143.57E 52 4.6,4.6
BJI XII 07 21 01 12.5 37.80N 143.57E 17 5.0b,4.7b
NEIC XII 07 21 01 14.9–.20 37.53N 143.58E 35 4.9b,4.7b
MOS XII 07 21 01 15.3–1.0 37.92N 143.49E 33 5.0b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ29.00000°,λ-95.00000°. NP2:ϕ_s200.00000°,δ61.00000°,λ-87.00000°. $M_0$9.65000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=163.6.
IDC Error ellipse: s-maj=13.5km s-min=10.4km az=118.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=148.0.
MOS Error ellipse: s-maj=8.0km s-min=5.1km az=103.1.
ISC XII 07 21 13 44.0–1.4 38.26N–.07 144.72E–.09 26 26 3-59
IDC XII 07 21 13 40.1–2.7 38.14N 144.95E 0 3.6,3.6L **¶602390737**
ISCJB XII 07 21 13 42.6–.96 38.31N–.05 144.69E–.06 26 3.4b,3.6L
JMA XII 07 21 13 45.3–.20 38.21N 144.56E 42 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=61.5km s-min=32.6km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.5km az=137.2.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC XII 07 21 20 48.1–2.6 37.58N–.05 143.80E–.05 9–16 4.5b 144 2-149
NIED XII 07 21 20 00 37.60N 143.60E 5 4.3W **¶602063218**
IDC XII 07 21 20 46.3–.62 37.48N 143.89E 0 4.2,4.1
ISCJB XII 07 21 20 47.1–1.2 37.58N–.03 143.71E–.03 13–7 4.5b,3.9s
MOS XII 07 21 20 48.6–1.4 37.56N 143.89E 30 4.6b,3.9s
JMA XII 07 21 20 49.2–.20 37.60N 143.65E 59 4.0,3.9s
NEIC XII 07 21 20 51.6–.22 37.47N 143.83E 35 4.6b,3.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ20.00000°,λ-80.00000°. NP2:ϕ_s181.00000°,δ70.00000°,λ-94.00000°. $M_0$2.78000×10^{15}
IDC Error ellipse: s-maj=17.6km s-min=14.1km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=168.6.
MOS Error ellipse: s-maj=10.3km s-min=7.9km az=100.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.3km az=147.0. Felt at Osaki.
ISC XII 07 21 35 50.2–1.8 38.05N–.08 143.9E–.10 35 3.9b,3.5s 21 2-83
ISCJB XII 07 21 35 48.4–1.1 38.02N–.07 143.93E–.09 33 4.0b,3.7s **¶602032171**
JMA XII 07 21 35 49.0–.10 38.04N 143.88E 44 3.4,3.7s
IDC XII 07 21 35 50.0–2.4 37.32N 143.79E 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.9km az=139.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=69.2km s-min=25.0km az=62.0.
ISC XII 07 21 36 37.8–.57 37.81N–.04 143.68E–.04 30–3 4.7b 233 2-145
NIED XII 07 21 36 00 37.90N 143.50E 8 4.6W **¶602390738**
IDC XII 07 21 36 33.3–.50 37.81N 143.71E 0 4.4,4.3L
JMA XII 07 21 36 36.4–.20 37.95N 143.52E 35 4.6,4.3L
ISCJB XII 07 21 36 36.5–.23 37.86N–.02 143.52E–.03 30 4.6b,4.0s
MOS XII 07 21 36 36.3–1.2 37.93N 143.63E 30 4.9b,4.0s
NEIC XII 07 21 36 38.7–.26 37.82N 143.52E 35 4.8b,4.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ43.00000°,λ-137.00000°. NP2:ϕ_s227.00000°,δ62.00000°,λ-56.00000°. $M_0$7.91000×10^{15}
IDC Error ellipse: s-maj=14.7km s-min=10.8km az=113.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=154.2.
MOS Error ellipse: s-maj=7.9km s-min=5.4km az=103.7.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.4km az=130.0. Felt at Zama.
ISC XII 07 21 41 20.4–1.2 38.00N–.06 144.20E–.08 35 3.3b 32 2-58
IDC XII 07 21 41 15.6–1.3 37.85N 144.28E 0 3.7,3.6 **¶602390740**
ISCJB XII 07 21 41 18.2–.74 37.97N–.05 144.22E–.06 33 3.5b,3.6
JMA XII 07 21 41 20.1–.20 37.96N 144.08E 50 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=25.0km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.4km az=168.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 21 42 08.6–1.1 37.85N–.05 143.60E–.09 19 3.6b 31 2-62
ISCJB XII 07 21 42 06.6–.74 37.87N–.04 143.59E–.06 19 3.6b **¶602390743**
IDC XII 07 21 42 06.1–1.1 37.68N 143.87E 0 3.8,3.7
JMA XII 07 21 42 09.0–.20 37.90N 143.55E 50 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.2km az=2.5.
IDC Error ellipse: s-maj=30.6km s-min=19.9km az=96.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 21 48 50.1–.10 37.94N 143.82E 46 3.5
¶606068569
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 21 55 21.6–1.6 37.91N–.07 143.54E–.10 19 3.3b 19 2-58
ISCJB XII 07 21 55 21.1–1.2 37.85N–.06 143.48E–.10 19 3.4b **¶602390745**
JMA XII 07 21 55 22.1–.40 37.80N 143.47E 37 3.2
IDC XII 07 21 55 24.8–1.6 37.24N 143.19E 0 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.7km az=21.3.
JMA Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=40.6km s-min=33.4km az=127.0.
ISC XII 07 21 56 58.2–4.2 37.60N–.10 143.7E–.20 40–46 17 2-58
JMA XII 07 21 56 57.5–.20 37.61N 143.64E 50 3.1 **¶602390746**
IDC XII 07 21 56 57.3–3.2 36.87N 143.70E 0 3.6,3.4L
ISCJB XII 07 21 56 58.1–1.7 37.58N–.07 143.6E–.10 61–24 3.2b,3.4L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 21 57 47.6–1.1 37.87N–.05 143.54E–.08 35 3.6b 35 2-58
IDC XII 07 21 57 42.2–1.4 37.57N 143.89E 0 3.9,3.7 **¶602390749**
ISCJB XII 07 21 57 45.2–.82 37.86N–.04 143.54E–.06 33 3.7b,3.7
JMA XII 07 21 57 45.3–.20 37.89N 143.51E 41 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=29.9km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=4.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 22 21 13.1–1.3 37.6N–.10 143.7E–.20 36–4 3.6b 25 2-62
IDC XII 07 22 21 07.3–1.0 37.52N 143.77E 0 3.9L,3.8 **¶602390751**
ISCJB XII 07 22 21 11.1–1.4 37.61N–.07 143.72E–.08 39–12 3.7b,3.0s
JMA XII 07 22 21 11.3–.20 37.62N 143.66E 45 3.8,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=19.4km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=10.3km az=140.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 22 36 13.2–.95 38.04N–.06 143.93E–.07 35 3.7b 34 2-62
IDC XII 07 22 36 08.1–.96 37.88N 144.14E 0 3.8,3.7 **¶602390752**
ISCJB XII 07 22 36 10.8–.69 38.03N–.04 143.92E–.05 33 3.7b,3.7s
JMA XII 07 22 36 11.1–.10 38.03N 143.88E 42 3.7,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=19.7km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.8km az=43.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 23 00 01.0–.38 37.80N–.03 143.80E–.03 30–2 5.6b,4.7s 1766 2-160
NIED XII 07 22 59 00 37.80N 143.70E 5 5.1W,4.7s **¶602030334**
IDC XII 07 22 59 56.4–.36 37.70N 143.85E 0 5.4,5.4

ISCJB XII 07 22 59 56.5–.60 37.75N–.02 143.75E–.01 8–3 5.5b,4.8s
JMA XII 07 22 59 59.5–.20 37.81N 143.71E 44 5.2,4.8s
MOS XII 07 23 00 00.8–.86 38.06N 143.72E 28 5.7b,4.7s
NEIC XII 07 23 00 00.5–.80 37.74N 143.76E 24–5 5.5b,4.7s
GCMT XII 07 23 00 00.5–.20 37.83N–.02 143.81E–.02 12 5.2W,4.7s
BJI XII 07 23 00 05.5 38.01N 143.13E 46 5.3b,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ27.00000°,λ-122.00000°. NP2:ϕ_s239.00000°,δ67.00000°,λ-75.00000°. $M_0$5.51000×10^{16}
IDC Error ellipse: s-maj=11.3km s-min=9.8km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=170.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=101.4.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=149.0. Recorded [2 JMA] in Miyagi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c50; s88,c161;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.79±.18 $M_{\theta\theta}$2.63±.17; $M_{\phi\phi}$3.17±.16; $M_{r\theta}$1.33±.64; $M_{\theta\phi}$4.96±.13; $M_{\phi r}$1.66±.57; Best double couple: NP1:ϕ_s221.00000°,δ54.00000°,λ-93.00000°. NP2:ϕ_s46.00000°,δ36.00000°,λ-86.00000°. Principal axes: T 8.1890,Plg9.0000° ,Azm313.0000°; N -2.0600,Plg2.0000°,Azm223.0000°; P -6.1190,Plg81.0000° ,Azm117.0000° $M_0$7.15400×10^{16}
ISC XII 07 23 01 55.0–4.2 37.79N–.06 143.64E–.08 30–28 4.7b 55 2-144
NIED XII 07 23 01 00 37.70N 143.60E 5 4.5W **¶602390755**
IDC XII 07 23 01 48.6–.68 37.53N 143.85E 0 4.8,4.7
ISCJB XII 07 23 01 52.7–2.0 37.78N–.05 143.61E–.05 27–14 4.6b,4.7
JMA XII 07 23 01 53.3–.20 37.70N 143.55E 52 4.8,4.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ38.00000°,λ-71.00000°. NP2:ϕ_s193.00000°,δ54.00000°,λ-105.00000°. $M_0$6.92000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=15.5km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=7.0km az=14.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 07 23 06 00.8–.20 37.54N 143.58E 54 3.6 ¶606068583
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 23 25 06.9–1.1 37.84N–.06 143.75E–.08 35 3.5b 37 2-73
IDC XII 07 23 25 01.7–1.4 37.67N 143.84E 0 3.8L,3.7 **¶602390756**
ISCJB XII 07 23 25 05.0–.77 37.87N–.04 143.74E–.06 33 3.9s,3.5b
JMA XII 07 23 25 05.5–.20 37.81N 143.68E 50 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=24.6km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=30.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 23 41 50.5–1.6 37.71N–.05 143.8E–.10 35 28 2-58
IDC XII 07 23 41 46.0–2.5 37.64N 143.90E 0 3.7,3.6L **¶602390757**
ISCJB XII 07 23 41 49.0–1.0 37.68N–.04 143.73E–.08 33 3.4b,3.6L
JMA XII 07 23 41 49.9–.20 37.70N 143.65E 51 3.4,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=36.2km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.6km az=173.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 07 23 47 22.1–.00 38.06N–.07 143.87E–.08 35 3.6b 30 2-73
IDC XII 07 23 47 16.8–.98 37.97N 144.04E 0 3.7,3.5 **¶602390758**
JMA XII 07 23 47 19.8–.20 38.06N 143.90E 40 3.6,3.5
ISCJB XII 07 23 47 20.0–.70 38.03N–.05 143.90E–.06 33 3.7b,3.4s
ISC Event type ke.
ISCJB Event type ke.
JMA XII 07 23 48 05.5–.10 38.00N 143.55E 40 3.5 ¶606068588
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 07 23 55 09.1–.76 37.86N–.06 143.54E–.07 19 3.9b 40 2-74
IDC XII 07 23 55 05.8–.93 37.73N 143.74E 0 3.9,3.8 **¶602064813**
ISCJB XII 07 23 55 07.5–.50 37.83N–.04 143.52E–.05 19 4.0b,3.8
JMA XII 07 23 55 09.7–.20 37.90N 143.45E 39 3.6,3.8
NEIC XII 07 23 55 11.0–.47 37.78N 143.63E 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=18.5km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.4km az=9.3.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=97.0.
JMA XII 07 23 55 34.6–.30 37.90N 143.57E 36 3.7 ¶606068591
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
ISC XII 08 00 08 16.1–1.3 37.92N–.05 143.90E–.05 4–7 4.7b,3.9s 250 2-144
NIED XII 08 00 08 00 37.90N 143.80E 5 4.4W,3.9s **¶602030337**
BJI XII 08 00 08 16.0 38.02N 143.96E 18 5.0b,4.6b
ISCJB XII 08 00 08 16.4–1.1 37.96N–.03 143.80E–.02 12–7 4.6b,4.0s
JMA XII 08 00 08 18.0–.20 37.87N 143.79E 45 4.7,4.0s
NEIC XII 08 00 08 18.4–1.9 37.84N 143.85E 18–12 4.8b,4.0s
IDC XII 08 00 08 19.4–5.2 37.74N 143.93E 30–36 4.8L,4.3
MOS XII 08 00 08 19.9–.96 38.10N 143.79E 33 4.8b,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ42.00000°,λ-108.00000°. NP2:ϕ_s225.00000°,δ51.00000°,λ-74.00000°. $M_0$4.20000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.3km az=176.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=148.0.
IDC Error ellipse: s-maj=16.0km s-min=12.5km az=149.0.
MOS Error ellipse: s-maj=7.6km s-min=5.1km az=103.5.
ISC XII 08 00 31 44.2–1.4 37.59N–.05 143.66E–.08 35 3.8b 26 2-62
NIED XII 08 00 31 00 37.60N 143.60E 5 3.7W **¶602390762**
ISCJB XII 08 00 31 43.0–.87 37.59N–.05 143.64E–.08 35 3.8b
JMA XII 08 00 31 43.7–.20 37.59N 143.57E 53 3.7
IDC XII 08 00 31 55.9–4.7 36.81N 142.89E 76–42 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ27.00000°,λ-58.00000°. NP2:ϕ_s178.00000°,δ67.00000°,λ-105.00000°. $M_0$3.65000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.1km az=159.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=33.7km s-min=19.9km az=82.0.
ISC XII 08 00 48 45.6–.83 37.55N–.05 143.57E–.07 35 3.7b 43 2-88
NIED XII 08 00 48 00 37.50N 143.50E 8 3.7W **¶602390763**
IDC XII 08 00 48 40.5–.84 37.33N 143.78E 0 3.9,3.8
ISCJB XII 08 00 48 43.4–.59 37.51N–.04 143.50E–.05 33 3.8b,3.8
JMA XII 08 00 48 43.3–.20 37.52N 143.51E 51 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ25.00000°,λ-95.00000°. NP2:ϕ_s193.00000°,δ65.00000°,λ-88.00000°. $M_0$4.64000×10^{14}
IDC Error ellipse: s-maj=20.4km s-min=19.2km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.3km az=175.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 00 57 38.6–1.2 37.82N–.05 143.41E–.08 19 3.6b 25 2-58
ISCJB XII 08 00 57 37.1–.95 37.78N–.04 143.49E–.07 19 3.5b **¶602390765**
JMA XII 08 00 57 38.9–.20 37.85N 143.50E 45 3.5
IDC XII 08 00 57 41.2–5.5 37.66N 143.80E 45–53 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.3km az=172.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=40.8km s-min=29.8km az=108.0.
JMA XII 08 01 33 12.9–.30 37.90N 143.76E 42 3.6 ¶606068609
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 08 02 03 42.7–1.2 37.84N–.05 143.55E–.09 35 3.6b 22 2-58
IDC XII 08 02 03 37.6–1.5 37.58N 143.95E 0 3.7,3.5b **¶602390768**
ISCJB XII 08 02 03 40.4–.96 37.80N–.04 143.52E–.07 33 3.5b,3.5b
JMA XII 08 02 03 41.1–.30 37.87N 143.52E 51 3.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=30.4km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.8km az=163.8.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.

ISC XII 08 02 12 51.8–1.2 37.67N–.05 143.75E–.05 25–8 4.7b,3.4s 216 2-150
NIED XII 08 02 12 00 37.70N 143.60E 5 4.3W,3.4s **¶602032177**
IDC XII 08 02 12 48.0–.63 37.54N 143.77E 0 4.4,4.3
ISCJB XII 08 02 12 49.8–1.2 37.76N–.03 143.65E–.04 16–8 4.6b,3.5s
MOS XII 08 02 12 50.3–1.2 37.67N 143.76E 26 4.8b,3.5s
NEIC XII 08 02 12 50.8–2.1 37.59N 143.79E 20–12 4.7b,3.5s
JMA XII 08 02 12 51.5–.20 37.65N 143.58E 52 4.6,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ44.00000°,λ-76.00000°. NP2:ϕ_s5.00000°,δ48.00000°,λ-103.00000°. $M_0$2.69000×10^{15}
IDC Error ellipse: s-maj=16.6km s-min=14.0km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.7km az=150.5.
MOS Error ellipse: s-maj=9.0km s-min=5.6km az=116.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=118.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 02 22 36.0–1.2 37.48N–.06 143.56E–.08 35 34 2-58
IDC XII 08 02 22 31.9–1.5 37.30N 143.81E 0 3.7,3.6L **¶602390769**
ISCJB XII 08 02 22 35.1–.83 37.50N–.04 143.53E–.06 33 3.5b,3.6L
JMA XII 08 02 22 35.5–.20 37.49N 143.51E 56 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=27.5km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=23.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC XII 08 02 22 48.4–3.2 36.79N 143.50E 0 3.7,3.6b ¶602390772
IDC Error ellipse: s-maj=81.3km s-min=35.6km az=56.0.
ISC XII 08 02 26 15.6–.53 37.68N–.06 143.73E–.06 35 4.3b 120 2-148
NIED XII 08 02 26 00 37.60N 143.60E 5 4.2W **¶602032178**
IDC XII 08 02 26 10.1–.61 37.47N 143.81E 0 4.2,4.1L
NEIC XII 08 02 26 11.2–2.5 37.43N 143.87E 8–15 4.5b,4.1L
JMA XII 08 02 26 12.9–.20 37.60N 143.64E 56 4.2,4.1L
MOS XII 08 02 26 12.7–1.3 37.68N 143.80E 27 4.5b,4.1L
ISCJB XII 08 02 26 14.0–.33 37.67N–.03 143.64E–.03 33 4.2b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ22.00000°,λ-69.00000°. NP2:ϕ_s178.00000°,δ69.00000°,λ-98.00000°. $M_0$1.93000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC XII 08 02 45 30.2–2.3 38.05N–.04 143.62E–.04 28–16 4.1b 56 2-88
NIED XII 08 02 45 00 37.90N 143.60E 8 3.8W **¶602059837**
IDC XII 08 02 45 25.3–.89 37.84N 143.72E 0 4.0,3.9L
ISCJB XII 08 02 45 27.8–1.4 37.97N–.04 143.63E–.04 25–10 4.1b,2.7s
NEIC XII 08 02 45 28.1–2.8 37.92N 143.78E 18–17 4.2b,2.7s
JMA XII 08 02 45 28.6–.10 37.93N 143.59E 41 3.9,2.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s63.00000°,δ55.00000°,λ-42.00000°. NP2:ϕ_s181.00000°,δ57.00000°,λ-137.00000°. $M_0$5.53000×10^{14}
IDC Error ellipse: s-maj=22.2km s-min=17.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=159.7.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=133.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 02 47 27.8–1.1 37.62N–.06 143.59E–.09 35 3.8b 28 2-75
IDC XII 08 02 47 22.7–1.1 37.57N 143.72E 0 3.9,3.8b **¶602390773**
ISCJB XII 08 02 47 25.8–.77 37.60N–.04 143.59E–.06 33 3.8b,3.8b
JMA XII 08 02 47 26.0–.30 37.70N 143.64E 46 3.7,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=22.7km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=163.6.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
IDC XII 08 02 47 34.8–1.3 37.39N 143.90E 0 4.0,3.9L ¶602390776
IDC Error ellipse: s-maj=53.6km s-min=25.5km az=124.0.
ISC XII 08 02 52 10.2–5.0 37.84N–.05 143.80E–.07 38–33 4.1b 77 2-144
NIED XII 08 02 52 00 37.90N 143.80E 5 3.8W **¶602059836**
IDC XII 08 02 52 04.6–.69 37.77N 143.92E 0 4.1,3.9L
ISCJB XII 08 02 52 07.3–1.4 37.90N–.04 143.83E–.04 29–10 4.1b,3.7s
NEIC XII 08 02 52 07.0–2.2 37.83N 143.96E 15–14 4.4b,3.7s
JMA XII 08 02 52 08.3–.20 37.87N 143.77E 48 4.1,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ46.00000°,λ-109.00000°. NP2:ϕ_s227.00000°,δ47.00000°,λ-72.00000°. $M_0$5.96000×10^{14}
IDC Error ellipse: s-maj=19.5km s-min=15.7km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=19.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.6km az=120.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 03 03 00.9–2.2 37.63N–.04 143.58E–.06 32–16 4.0b 47 2-76
NIED XII 08 03 02 00 37.60N 143.60E 5 3.9W **¶602059835**
IDC XII 08 03 02 56.1–.75 37.44N 143.80E 0 4.0,3.9
ISCJB XII 08 03 02 58.2–1.5 37.53N–.03 143.59E–.05 27–12 4.0b,3.2s
JMA XII 08 03 02 59.4–.20 37.59N 143.57E 59 3.9,3.2s
NEIC XII 08 03 03 01.0–.42 37.39N 143.75E 35 4.3b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ28.00000°,λ-58.00000°. NP2:ϕ_s178.00000°,δ66.00000°,λ-106.00000°. $M_0$6.93000×10^{14}
IDC Error ellipse: s-maj=21.8km s-min=16.5km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.4km az=6.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.1km az=107.0.
ISC XII 08 03 38 09.3–1.6 37.94N–.07 144.2E–.10 35 20 2-58
IDC XII 08 03 38 03.1–3.1 38.00N 144.53E 0 3.6,3.4b **¶602390779**
ISCJB XII 08 03 38 07.9–1.1 37.92N–.06 144.12E–.08 33 3.5b,3.4b
JMA XII 08 03 38 09.2–.30 37.95N 144.05E 49 3.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=37.6km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=8.3km az=10.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 08 04 10 27.7–.91 37.91N–.06 143.87E–.07 35 3.6b 34 2-69
NIED XII 08 04 10 00 37.90N 143.80E 5 3.7W **¶602390780**
IDC XII 08 04 10 21.8–.92 37.67N 144.38E 0 3.8,3.7L
ISCJB XII 08 04 10 24.8–.66 37.92N–.04 143.88E–.05 33 3.7b,2.8s
JMA XII 08 04 10 26.4–.10 37.93N 143.76E 43 3.7,2.8s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ25.00000°,λ-109.00000°. NP2:ϕ_s217.00000°,δ66.00000°,λ-81.00000°. $M_0$4.63000×10^{14}
IDC Error ellipse: s-maj=25.7km s-min=19.2km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=36.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC XII 08 04 27 52.7–1.1 36.42N 143.40E 0 3.8,3.6b ¶602390782
IDC Error ellipse: s-maj=34.9km s-min=22.6km az=122.0.
ISC XII 08 05 12 22.8–1.8 38.04N–.07 143.9E–.10 35 3.6b 21 2-62
ISCJB XII 08 05 12 21.2–1.1 37.98N–.06 143.89E–.08 33 3.5b **¶602390783**
JMA XII 08 05 12 21.7–.20 38.03N 143.88E 47 3.3
IDC XII 08 05 12 22.6–1.9 37.29N 143.87E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.1km az=146.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=48.6km s-min=24.4km az=61.0.
ISC XII 08 06 11 22.5–3.9 37.71N–.08 143.8E–.20 35 18 2-45
IDC XII 08 06 11 22.7–17 37.24N 143.74E 0 3.4,3.4b **¶602390788**
JMA XII 08 06 11 22.5–.30 37.71N 143.67E 41 3.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=302.5km s-min=72.5km az=135.0.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 08 06 12 14.6–1.5 37.81N–.07 143.78E–.08 35 3.5b 24 2-48
IDC XII 08 06 12 08.9–5.8 37.07N 144.28E 0 3.7,3.6L **¶602390791**
ISCJB XII 08 06 12 12.7–1.1 37.76N–.05 143.76E–.07 33 3.4b,3.6L
JMA XII 08 06 12 13.3–.10 37.71N 143.68E 57 3.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=144.2km s-min=32.1km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.0km az=34.1.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 06 19 30.3–.66 37.84N–.05 143.49E–.07 19 4.2b 81 2-72
NIED XII 08 06 19 00 37.90N 143.60E 8 4.2W **¶602052859**
IDC XII 08 06 19 26.6–.84 37.65N 143.69E 0 4.1,4.0
ISCJB XII 08 06 19 28.2–.40 37.81N–.03 143.45E–.04 19 4.2b,2.9s
JMA XII 08 06 19 28.1–.20 37.86N 143.57E 47 4.0,2.9s
MOS XII 08 06 19 30.0–2.2 37.89N 143.63E 37 4.5b,2.9s
NEIC XII 08 06 19 32.0–.58 37.70N 143.58E 35 4.5b,2.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s343.00000°,δ54.00000°,λ-171.00000°. NP2:ϕ_s248.00000°,δ83.00000°,λ-36.00000°. M$_0$2.18000×10^{15}
IDC Error ellipse: s-maj=21.2km s-min=16.1km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=142.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=11.1km s-min=7.8km az=95.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.8km az=138.0.
ISC XII 08 06 37 11.9–1.5 37.56N–.05 143.55E–.07 41–14 4.2b 49 2-148
IDC XII 08 06 37 06.1–.81 37.47N 143.90E 0 4.0,3.8 **¶602052860**
ISCJB XII 08 06 37 08.5–1.5 37.60N–.04 143.62E–.04 26–11 4.2b,3.8
NEIC XII 08 06 37 08.4–4.0 37.50N 143.86E 15–25 4.4b,3.8
JMA XII 08 06 37 09.0–.20 37.60N 143.61E 54 4.0,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=18.3km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.4km az=179.6.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.9km az=116.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 06 44 16.2–.67 37.69N–.05 143.60E–.06 35 4.1b 53 2-151
NIED XII 08 06 44 00 37.60N 143.50E 5 3.8W **¶602055679**
IDC XII 08 06 44 10.7–.97 37.54N 143.85E 0 4.1,4.0
NEIC XII 08 06 44 13.6–2.9 37.54N 143.85E 17–17 4.3b,4.0
ISCJB XII 08 06 44 14.5–.37 37.65N–.03 143.63E–.04 33 4.1b,4.0
JMA XII 08 06 44 14.9–.20 37.63N 143.53E 54 3.9,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ51.00000°,λ-133.00000°. NP2:ϕ_s231.00000°,δ55.00000°,λ-50.00000°. M$_0$5.24000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=17.7km az=78.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.5km az=178.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 06 55 15.2–.81 37.62N–.05 143.66E–.07 35 4.1b 55 2-75
NIED XII 08 06 55 00 37.60N 143.60E 5 3.6W **¶602055678**
IDC XII 08 06 55 10.1–1.1 37.49N 143.79E 0 3.9,3.9L
NEIC XII 08 06 55 12.0–3.1 37.55N 143.75E 12–19 4.6b,3.9L
ISCJB XII 08 06 55 13.0–.48 37.59N–.03 143.63E–.04 33 4.0b,3.9L
JMA XII 08 06 55 13.2–.20 37.58N 143.61E 53 3.6,3.9L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ46.00000°,λ-130.00000°. NP2:ϕ_s237.00000°,δ57.00000°,λ-56.00000°. M$_0$3.34000×10^{14}
IDC Error ellipse: s-maj=32.1km s-min=20.5km az=86.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.2km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=19.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 07 04 21.5–1.4 38.00N–.06 143.83E–.09 35 30 2-58
NIED XII 08 07 04 00 38.00N 143.80E 5 3.6W **¶602390792**
IDC XII 08 07 04 16.3–2.3 37.86N 144.21E 0 3.8,3.8L
ISCJB XII 08 07 04 19.3–.96 38.01N–.04 143.84E–.07 33 3.5b,3.8L
JMA XII 08 07 04 19.9–.20 38.02N 143.79E 44 3.7,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ54.00000°,λ-20.00000°. NP2:ϕ_s172.00000°,δ74.00000°,λ-142.00000°. M$_0$2.85000×10^{14}
IDC Error ellipse: s-maj=54.8km s-min=29.6km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.8km az=19.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 07 09 11.8–1.4 37.80N–.06 143.83E–.09 35 24 2-58
IDC XII 08 07 09 06.7–2.4 37.68N 144.16E 0 3.8,3.7b **¶602390793**
ISCJB XII 08 07 09 10.0–1.1 37.82N–.05 143.83E–.08 33 3.5b,3.7b
JMA XII 08 07 09 11.1–.20 37.81N 143.73E 45 3.4,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=55.7km s-min=30.3km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.3km az=166.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 08 07 10 32.6–.20 38.44N 144.64E 39 3.5
¶606068691
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 08 07 18 10.9–.63 37.94N–.05 143.92E–.04 25–3 4.6b,3.6s 295 2-153
NIED XII 08 07 18 00 38.00N 143.80E 5 4.4W,3.6s **¶602032182**
IDC XII 08 07 18 07.5–.46 37.87N 143.90E 0 4.5,4.4
ISCJB XII 08 07 18 07.8–1.1 37.90N–.03 143.83E–.03 16–7 4.6b,3.6s
NEIC XII 08 07 18 09.1–1.5 37.83N 143.96E 15–9 4.7b,3.6s
MOS XII 08 07 18 09.3–1.2 37.95N 143.94E 25 4.8b,3.6s
JMA XII 08 07 18 10.0–.10 37.99N 143.79E 42 4.6,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ18.00000°,λ-93.00000°. NP2:ϕ_s202.00000°,δ72.00000°,λ-89.00000°. M$_0$4.16000×10^{15}
IDC Error ellipse: s-maj=13.0km s-min=11.4km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=157.8.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.8km az=134.0.
MOS Error ellipse: s-maj=7.7km s-min=5.2km az=92.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 07 23 10.6–1.4 37.67N–.07 143.59E–.10 35 3.7b 21 2-62
IDC XII 08 07 23 05.0–1.9 37.38N 143.97E 0 3.8,3.7b **¶602390795**
ISCJB XII 08 07 23 07.1–.00 37.65N–.05 143.72E–.08 33 3.8b,3.7b
JMA XII 08 07 23 07.8–.20 37.67N 143.65E 45 3.2,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=54.9km s-min=26.0km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.4km az=167.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 07 59 35.5–1.8 37.98N–.07 143.8E–.10 35 18 2-62
ISCJB XII 08 07 59 33.6–1.2 37.96N–.07 143.85E–.10 33 3.9b **¶602390797**
JMA XII 08 07 59 34.5–.20 37.96N 143.78E 47 3.4
IDC XII 08 07 59 40.7–10 36.49N 143.40E 0 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.8km az=144.2.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=219.8km s-min=45.4km az=32.0.
ISC XII 08 08 17 32.0–.54 37.73N–.05 143.91E–.06 35 4.3b,3.3s 104 2-153
NIED XII 08 08 17 00 37.80N 143.80E 8 4.1W,3.3s **¶602090162**
IDC XII 08 08 17 28.0–.55 37.69N 143.86E 0 4.3,4.2L
MOS XII 08 08 17 30.0–1.0 37.80N 143.86E 27 4.6b,4.2L
ISCJB XII 08 08 17 30.9–.28 37.73N–.03 143.73E–.03 33 4.3b,3.4s
NEIC XII 08 08 17 31.2–1.6 37.66N 143.86E 22–11 4.6b,3.4s
JMA XII 08 08 17 31.0–.20 37.83N 143.77E 50 4.2,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ21.00000°,λ-94.00000°. NP2:ϕ_s202.00000°,δ69.00000°,λ-89.00000°. M$_0$1.67000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=12.9km az=124.0.
MOS Error ellipse: s-maj=11.4km s-min=7.1km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=166.7.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=105.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 08 08 26 19.1–.50 37.68N 144.00E 42 3.5
¶606068709
JMA Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
ISC XII 08 10 33 10.0–1.4 37.89N–.06 143.8E–.10 35 3.8b 31 2-62
NIED XII 08 10 33 00 37.90N 143.80E 5 3.7W **¶602390804**
IDC XII 08 10 33 05.0–1.6 37.81N 144.02E 0 3.9,3.9
ISCJB XII 08 10 33 07.8–.80 37.88N–.04 143.85E–.06 33 3.8b,3.1s
JMA XII 08 10 33 08.4–.20 37.93N 143.81E 47 3.7,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ21.00000°,λ-74.00000°. NP2:ϕ_s182.00000°,δ70.00000°,λ-96.00000°. M$_0$4.37000×10^{14}
IDC Error ellipse: s-maj=36.8km s-min=19.2km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.3km az=161.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 10 38 15.9–.76 38.04N–.06 143.93E–.07 35 3.6b,3.1s 36 2-88
NIED XII 08 10 38 00 38.00N 143.90E 5 3.8W,3.1s **¶602390805**
IDC XII 08 10 38 10.7–.75 37.93N 144.13E 0 3.9,3.8
ISCJB XII 08 10 38 13.9–.56 38.06N–.05 143.91E–.04 33 3.7b,3.4s
JMA XII 08 10 38 14.3–.10 38.04N 143.87E 42 3.7,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ26.00000°,λ-62.00000°. NP2:ϕ_s177.00000°,δ67.00000°,λ-103.00000°. M$_0$4.98000×10^{14}
IDC Error ellipse: s-maj=22.0km s-min=16.7km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=179.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 10 57 58.6–.86 37.97N–.06 144.07E–.08 35 3.8b 35 2-75
NIED XII 08 10 57 00 38.00N 144.10E 5 3.8W **¶602390807**
IDC XII 08 10 57 53.1–.89 37.86N 144.23E 0 3.9,3.8b
ISCJB XII 08 10 57 56.4–.63 37.96N–.05 144.10E–.05 33 3.8b,2.5s
JMA XII 08 10 57 56.8–.20 37.98N 144.07E 47 4.0,2.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ25.00000°,λ-77.00000°. NP2:ϕ_s178.00000°,δ66.00000°,λ-96.00000°. M$_0$6.45000×10^{14}
IDC Error ellipse: s-maj=25.0km s-min=18.5km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.5km az=5.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 11 16 43.9–1.3 37.96N–.05 143.82E–.10 35 3.3b 34 2-62
NIED XII 08 11 16 00 38.00N 143.80E 5 3.8W **¶602390809**
IDC XII 08 11 16 38.6–1.8 37.95N 144.15E 0 3.9L,3.7
ISCJB XII 08 11 16 41.6–.75 37.96N–.04 143.85E–.07 33 3.4b,3.7
JMA XII 08 11 16 42.6–.10 38.03N 143.81E 45 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ46.00000°,λ-7.00000°. NP2:ϕ_s162.00000°,δ85.00000°,λ-135.00000°. M$_0$4.84000×10^{14}
IDC Error ellipse: s-maj=45.4km s-min=19.8km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=168.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 11 28 13.4–.98 37.78N–.05 143.45E–.08 19 3.7b 33 2-88
NIED XII 08 11 28 00 37.80N 143.40E 5 3.8W **¶602390810**
IDC XII 08 11 28 10.2–1.1 37.62N 143.80E 0 3.8,3.8L
ISCJB XII 08 11 28 11.9–.71 37.85N–.04 143.45E–.06 19 3.6b,3.8L
JMA XII 08 11 28 14.1–.20 37.83N 143.39E 55 3.6,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ34.00000°,λ-10.00000°. NP2:ϕ_s159.00000°,δ84.00000°,λ-124.00000°. M$_0$4.75000×10^{14}
IDC Error ellipse: s-maj=25.9km s-min=21.7km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=178.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 11 57 07.2–1.4 37.94N–.06 143.88E–.08 35 29 2-62
IDC XII 08 11 57 03.1–1.9 37.82N 144.01E 0 3.7,3.6 **¶606068783**
ISCJB XII 08 11 57 05.8–.85 37.93N–.04 143.88E–.07 33 3.7b,3.6
JMA XII 08 11 57 07.3–.20 37.93N 143.78E 49 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=33.0km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=170.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 11 59 14.5–1.2 37.81N–.07 143.79E–.08 35 3.5b 25 2-58
NIED XII 08 11 59 00 37.80N 143.70E 8 3.6W **¶602390812**
IDC XII 08 11 59 09.2–1.5 37.71N 144.03E 0 3.7,3.5
ISCJB XII 08 11 59 12.8–.85 37.85N–.06 143.83E–.06 33 3.5b,3.5
JMA XII 08 11 59 13.9–.20 37.83N 143.72E 47 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ53.00000°,λ-142.00000°. NP2:ϕ_s239.00000°,δ61.00000°,λ-44.00000°. M$_0$2.43000×10^{14}
IDC Error ellipse: s-maj=36.2km s-min=26.8km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.3km az=5.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 12 50 08.9–.48 37.69N–.04 143.67E–.04 28–2 4.8b,4.1s 345 2-145
NIED XII 08 12 50 00 37.70N 143.60E 5 4.5W,4.1s **¶602032188**
ISCJB XII 08 12 50 04.9–.96 37.70N–.02 143.54E–.03 7–6 4.7b,4.1s
IDC XII 08 12 50 04.6–.46 37.65N 143.64E 0 4.5,4.4
JMA XII 08 12 50 06.9–.10 37.69N 143.60E 50 4.6,4.4
BJI XII 08 12 50 06.5 37.73N 143.55E 21 5.1b,4.8b
MOS XII 08 12 50 09.8–1.3 37.84N 143.53E 41 5.0b,4.2s
NEIC XII 08 12 50 10.4–.17 37.66N 143.56E 35 4.9b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ39.00000°,λ-97.00000°. NP2:ϕ_s15.00000°,δ51.00000°,λ-84.00000°. M$_0$5.90000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=158.9.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=108.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=107.9.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=139.0.
ISC XII 08 13 06 17.1–.86 37.91N–.05 143.84E–.07 35 3.6b 36 2-82
NIED XII 08 13 06 00 37.90N 143.80E 5 3.8W **¶602390816**
IDC XII 08 13 06 11.8–.87 37.71N 144.07E 0 4.2,4.2s
ISCJB XII 08 13 06 15.0–.65 37.88N–.04 143.80E–.05 33 4.2s,3.7b
JMA XII 08 13 06 15.4–.20 37.93N 143.78E 43 3.7,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ24.00000°,λ-49.00000°. NP2:ϕ_s190.00000°,δ72.00000°,λ-106.00000°. M$_0$6.29000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=20.2km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=174.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 08 13 40 13.2–.20 37.50N 143.55E 52 3.5
¶606068810
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 08 13 42 45.6–.10 37.98N 143.97E 39 3.6
¶606068814
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 08 13 53 37.6–.44 37.85N–.04 143.99E–.05 35 4.6b,4.2s 201 2-144
NIED XII 08 13 53 00 37.90N 143.90E 5 4.6W,4.2s **¶602032190**
IDC XII 08 13 53 32.6–.59 37.76N 144.02E 0 4.5,4.4
JMA XII 08 13 53 35.9–.10 37.87N 143.89E 45 4.7,4.4
MOS XII 08 13 53 35.2–1.2 37.91N 144.01E 27 5.0b,4.3s
NEIC XII 08 13 53 38.0–.33 37.82N 143.96E 35 4.8b,4.3s
GCMT XII 08 13 53 37.0–.50 37.89N–.03 144.31E–.04 30–1 4.8W,4.3s
ISCJB XII 08 13 53 37.0–.27 37.93N–.03 143.86E–.03 33 4.6b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ20.00000°,λ-58.00000°. NP2:ϕ_s10.00000°,δ73.00000°,λ-101.00000°. M$_0$1.03000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c19; s65,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M$_{rr}$-1.72±.20 M$_{\theta\theta}$0.79±.14; M$_{\phi\phi}$0.92±.13; M$_{r\theta}$-0.16±.17; M$_{\theta\phi}$1.49±.09; M$_{\phi r}$-1.12±.14; Best double couple: NP1:ϕ_s23.00000°,δ61.00000°,λ-115.00000°. NP2:ϕ_s247.00000°,δ38.00000°,λ-53.00000°. Principal axes: T 2.5540,Plg13.0000° ,Azm131.0000°; N -0.3700,Plg22.0000°,Azm36.0000°; P -2.1870,Plg65.0000° ,Azm249.0000° M$_0$2.37000×10^{16}
ISCJB Event type se.
JMA XII 08 13 55 09.8–.20 37.86N 143.88E 45 4.0
¶606068815
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 08 14 39 50.1–1.2 37.88N–.07 143.99E–.08 35 3.5b 26 2-58
IDC XII 08 14 39 45.2–1.5 37.60N 144.14E 0 3.7,3.5b **¶602390821**
ISCJB XII 08 14 39 48.1–.92 37.90N–.05 144.00E–.06 33 3.6b,3.5b
JMA XII 08 14 39 48.4–.10 37.87N 143.95E 44 3.4,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=29.3km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.6km az=153.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 08 14 46 56.6–.67 37.89N–.06 143.87E–.07 35 3.7b 45 2-76

NIED XII 08 14 46 00 37.90N 143.80E 5 3.8W ¶602390822
IDC XII 08 14 46 51.1–.64 37.75N 144.02E 0 4.0,3.9
ISCJB XII 08 14 46 54.6–.49 37.84N–.05 143.82E–.05 33 3.7b,3.9
JMA XII 08 14 46 55.2–.10 37.90N 143.78E 45 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ45.00000°,λ-110.00000°. NP2:ϕ_s226.00000°,δ48.00000°,λ-71.00000°. $M_0$6.57000×10^{14}
IDC Error ellipse: s-maj=16.9km s-min=15.6km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=18.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 15 33 47.7–.57 37.75N–.06 143.65E–.06 35 4.1b 107 2-149
NIED XII 08 15 33 00 37.70N 143.50E 5 4.2W ¶602032197
IDC XII 08 15 33 42.4–.63 37.65N 143.65E 0 4.1,4.1
MOS XII 08 15 33 44.6–1.1 37.76N 143.61E 24 4.6b,4.1
ISCJB XII 08 15 33 45.8–.32 37.77N–.03 143.60E–.03 33 4.1b,3.2s
JMA XII 08 15 33 45.8–.20 37.73N 143.54E 48 3.8,3.2s
NEIC XII 08 15 33 47.7–.28 37.73N 143.64E 35 4.8b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ45.00000°,λ-110.00000°. NP2:ϕ_s202.00000°,δ48.00000°,λ-71.00000°. $M_0$1.90000×10^{15}
IDC Error ellipse: s-maj=16.6km s-min=13.6km az=131.0.
MOS Error ellipse: s-maj=9.9km s-min=7.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=159.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=129.0.
JMA XII 08 16 59 31.2–.20 38.43N 144.28E 47 3.5
¶606068882
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 08 17 54 06.1–.82 37.92N–.05 143.54E–.09 19 4.1b 63 2-78
NIED XII 08 17 54 00 37.90N 143.60E 8 3.8W ¶602330389
IDC XII 08 17 54 02.6–1.0 37.76N 143.92E 0 3.9,3.9
ISCJB XII 08 17 54 04.2–.46 37.91N–.04 143.56E–.04 19 4.1b,3.9
JMA XII 08 17 54 05.3–.10 37.92N 143.56E 43 4.1,3.9
NEIC XII 08 17 54 07.5–.63 37.73N 143.73E 35 4.6b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ54.00000°,λ-168.00000°. NP2:ϕ_s244.00000°,δ81.00000°,λ-36.00000°. $M_0$6.67000×10^{14}
IDC Error ellipse: s-maj=25.0km s-min=18.7km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=158.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.6km az=121.0.
ISC XII 08 18 26 39.9–1.1 37.73N–.06 143.72E–.08 35 3.6b 27 2-62
IDC XII 08 18 26 34.4–1.2 37.51N 144.03E 0 3.8,3.6 ¶602390833
ISCJB XII 08 18 26 37.1–.79 37.70N–.05 143.74E–.07 33 3.6b,3.6
JMA XII 08 18 26 37.3–.20 37.68N 143.70E 53 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=20.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=7.3km az=44.9.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 08 18 54 03.3–.76 37.87N–.05 143.62E–.08 19 4.1b 64 2-69
IDC XII 08 18 54 00.3–1.2 37.78N 143.81E 0 4.0L,3.8 ¶602330390
NIED XII 08 18 54 00 37.90N 143.50E 5 3.8W,3.8
ISCJB XII 08 18 54 02.3–.55 37.85N–.04 143.53E–.05 19 4.2b,3.8
JMA XII 08 18 54 03.8–.20 37.93N 143.55E 45 4.0,3.8
NEIC XII 08 18 54 04.4–.55 37.73N 143.83E 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=20.5km az=100.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s0.00000°,δ29.00000°,λ-136.00000°. NP2:ϕ_s230.00000°,δ70.00000°,λ-68.00000°. $M_0$6.02000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=27.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.7km az=105.0.
ISC XII 08 19 21 12.5–.56 37.91N–.05 143.90E–.06 35 4.5b 95 2-81
NIED XII 08 19 21 00 38.00N 143.80E 5 4.0W ¶602330338
IDC XII 08 19 21 06.9–.74 37.86N 144.10E 0 4.1,4.0
ISCJB XII 08 19 21 10.3–.31 37.91N–.03 143.89E–.03 33 4.5b,4.0
JMA XII 08 19 21 10.3–.10 37.96N 143.82E 30 4.3,4.0
NEIC XII 08 19 21 12.0–.30 37.84N 144.01E 35 4.7b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ39.00000°,λ-77.00000°. NP2:ϕ_s186.00000°,δ52.00000°,λ-101.00000°. $M_0$1.33000×10^{15}
IDC Error ellipse: s-maj=19.7km s-min=16.4km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=14.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.6km az=152.0.
ISC XII 08 19 26 21.7–.93 37.96N–.08 143.88E–.08 35 3.5b 30 2-69
IDC XII 08 19 26 15.8–.95 37.82N 144.18E 0 3.7,3.6 ¶602390835
ISCJB XII 08 19 26 19.4–.70 37.95N–.06 143.90E–.06 33 3.6s,3.5b
JMA XII 08 19 26 20.1–.20 37.95N 143.75E 26 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=20.5km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.8km az=24.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 19 36 47.0–4.3 37.57N–.06 143.85E–.07 18–29 4.3b 67 2-62
IDC XII 08 19 36 44.6–1.1 37.36N 144.06E 0 4.0L,3.9 ¶602330393
ISCJB XII 08 19 36 47.2–1.6 37.56N–.04 143.72E–.04 29–12 4.5b,3.9
JMA XII 08 19 36 47.9–.20 37.59N 143.66E 45 3.7,3.9
NEIC XII 08 19 36 49.5–.37 37.35N 143.92E 35 4.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=19.8km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.4km az=28.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.0km az=142.0.
ISC XII 08 19 51 50.4–1.1 37.76N–.06 143.84E–.07 35 3.6b 28 2-62
IDC XII 08 19 51 46.5–1.2 37.44N 144.11E 0 3.8,3.7 ¶602390839
ISCJB XII 08 19 51 48.2–.73 37.71N–.05 143.82E–.06 33 3.6b,3.7
JMA XII 08 19 51 49.1–.20 37.69N 143.72E 51 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=22.6km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.7km az=25.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 19 57 48.0–.99 37.83N–.07 143.52E–.08 19 3.5b 29 2-62
IDC XII 08 19 57 44.5–1.1 37.67N 143.78E 0 3.8,3.7 ¶602390840
ISCJB XII 08 19 57 46.7–.79 37.87N–.06 143.49E–.06 19 3.6b,3.7
JMA XII 08 19 57 47.8–.20 37.88N 143.51E 42 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=21.4km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.5km az=14.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 20 12 25.9–2.5 37.8N–.10 143.8E–.40 36–20 25 2-58
IDC XII 08 20 12 21.0–1.6 37.53N 144.08E 0 3.7,3.4b ¶602390841
JMA XII 08 20 12 24.5–.20 37.87N 143.74E 32 3.5,3.4b
ISCJB XII 08 20 12 25.0–1.3 37.79N–.07 143.75E–.10 49–17 3.6b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 20 46 58.3–1.0 37.34N–.05 143.60E–.05 12–6 4.8b,3.9s 247 2-146
NIED XII 08 20 46 00 37.40N 143.60E 5 4.4W,3.9s ¶602032203
IDC XII 08 20 46 56.0–.61 37.26N 143.71E 0 4.5,4.3
NEIC XII 08 20 46 58.9–2.0 37.30N 143.63E 16–12 4.9b,4.3
BJI XII 08 20 46 59.6 37.53N 143.74E 33 5.0b,4.6b
JMA XII 08 20 46 59.6–.20 37.40N 143.56E 42 4.5,4.6b
MOS XII 08 20 47 00.2–.91 37.63N 143.55E 26 4.9b,4.6b
ISCJB XII 08 20 47 01.0–.22 37.41N–.03 143.52E–.03 40 4.7b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ34.00000°,λ-97.00000°. NP2:ϕ_s208.00000°,δ56.00000°,λ-85.00000°. $M_0$4.28000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC XII 08 20 59 12.8–1.1 37.33N–.05 143.62E–.09 35 3.7b 32 2-61
IDC XII 08 20 59 08.1–1.2 37.23N 143.84E 0 3.7,3.7L ¶602390844
ISCJB XII 08 20 59 11.1–.75 37.35N–.04 143.58E–.06 33 3.5b,3.7L
JMA XII 08 20 59 11.7–.20 37.39N 143.55E 48 3.9,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=23.7km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.0km az=150.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 20 59 41.9–1.2 37.43N–.07 143.71E–.07 35 18 2-58
ISCJB XII 08 20 59 38.8–1.1 37.39N–.05 143.75E–.07 33 3.6b ¶602390847
JMA XII 08 20 59 38.8–.30 37.36N 143.72E 42 3.7
IDC XII 08 20 59 38.1–1.6 37.14N 143.84E 0 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.0km az=42.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=54.4km s-min=31.8km az=130.0.
ISC XII 08 21 05 17.7–2.7 37.89N–.04 143.78E–.05 29–19 4.1b 62 2-83
NIED XII 08 21 05 00 37.90N 143.80E 5 4.1W ¶602068750
IDC XII 08 21 05 12.5–.66 37.75N 143.98E 0 4.2,4.2L
NEIC XII 08 21 05 14.6–3.2 37.83N 144.00E 11–19 4.3b,4.2L
ISCJB XII 08 21 05 15.5–1.5 37.82N–.04 143.77E–.04 28–11 4.0b,3.3s
JMA XII 08 21 05 16.4–.20 37.89N 143.79E 45 4.3,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ30.00000°,λ-111.00000°. NP2:ϕ_s230.00000°,δ62.00000°,λ-78.00000°. $M_0$1.43000×10^{15}
IDC Error ellipse: s-maj=16.9km s-min=15.7km az=115.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.6km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.7km az=37.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 21 31 32.8–1.2 37.38N–.06 143.59E–.09 35 3.5b,3.0s 30 2-75
IDC XII 08 21 31 27.3–1.4 37.31N 143.83E 0 3.6,3.4L ¶602390850
ISCJB XII 08 21 31 31.1–.83 37.36N–.04 143.57E–.06 33 3.4b,3.0s
JMA XII 08 21 31 31.5–.20 37.40N 143.58E 59 3.5,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=27.6km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.9km az=15.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 21 54 44.8–1.4 37.34N–.07 143.57E–.09 35 24 2-58
IDC XII 08 21 54 40.0–1.6 37.10N 143.91E 0 3.7,3.5L ¶602390852
ISCJB XII 08 21 54 43.6–1.0 37.34N–.05 143.56E–.07 33 3.5b,3.5L
JMA XII 08 21 54 44.4–.20 37.39N 143.51E 41 3.5,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=32.2km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.6km az=152.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 08 21 55 25.3–1.2 37.71N–.07 143.73E–.08 35 3.8b 21 2-58
NIED XII 08 21 55 00 37.80N 143.60E 14 3.6W ¶602390855
IDC XII 08 21 55 20.8–1.5 37.47N 143.98E 0 3.9,3.7b
ISCJB XII 08 21 55 23.2–1.0 37.67N–.06 143.69E–.07 33 3.6b,3.7b
JMA XII 08 21 55 25.1–.10 37.79N 143.62E 39 3.5,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ31.00000°,λ-89.00000°. NP2:ϕ_s200.00000°,δ59.00000°,λ-90.00000°. $M_0$2.89000×10^{14}
IDC Error ellipse: s-maj=39.1km s-min=30.7km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=8.0km az=8.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 08 23 06 31.4–.10 38.35N 144.28E 41 3.6
¶606068980
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 08 23 14 00.4–1.8 37.67N–.06 143.7E–.10 35 3.5b 23 2-58
ISCJB XII 08 23 13 58.7–1.0 37.68N–.05 143.69E–.08 33 3.6s,3.5b ¶602390858
JMA XII 08 23 13 59.4–.20 37.66N 143.60E 46 3.2,3.5b
IDC XII 08 23 14 01.1–1.4 36.85N 143.40E 0 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.2km az=176.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=33.9km s-min=27.7km az=150.0.
ISC XII 08 23 26 29.1–.57 37.85N–.06 143.77E–.06 19 4.2b 98 2-153
NIED XII 08 23 26 00 37.80N 143.70E 5 4.2W ¶602068752
IDC XII 08 23 26 25.6–.59 37.69N 143.85E 0 4.3,4.2
ISCJB XII 08 23 26 27.4–.37 37.84N–.03 143.70E–.03 19 4.2b,3.6s
MOS XII 08 23 26 27.8–1.4 37.82N 143.80E 26 4.4b,3.6s
JMA XII 08 23 26 28.7–.20 37.80N 143.69E 51 4.4,3.6s
NEIC XII 08 23 26 31.4–.47 37.77N 143.77E 35 4.1b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ23.00000°,λ-121.00000°. NP2:ϕ_s250.00000°,δ70.00000°,λ-77.00000°. $M_0$2.10000×10^{15}
IDC Error ellipse: s-maj=15.9km s-min=12.5km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=169.3.
MOS Error ellipse: s-maj=9.9km s-min=6.6km az=94.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.5km az=149.0.
ISC XII 09 00 50 44.3–.98 37.73N–.05 143.49E–.07 35 3.4b 33 2-62
IDC XII 09 00 50 39.6–1.2 37.57N 143.59E 0 3.6,3.5L ¶602390865
ISCJB XII 09 00 50 42.7–.72 37.70N–.04 143.45E–.06 33 3.4b,3.5L
JMA XII 09 00 50 43.5–.20 37.72N 143.40E 57 3.4,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=23.2km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.4km az=23.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 01 22 36.1–.79 37.90N–.05 143.94E–.07 35 3.8b 52 2-83
NIED XII 09 01 22 00 37.90N 144.00E 5 3.8W ¶602060851
IDC XII 09 01 22 30.8–.79 37.78N 144.07E 0 4.0,3.9L
ISCJB XII 09 01 22 33.8–.50 37.84N–.04 143.94E–.04 33 3.8b,3.1s
JMA XII 09 01 22 34.1–.20 37.92N 143.96E 45 4.0,3.1s
NEIC XII 09 01 22 35.1–3.3 37.81N 144.06E 27–23 4.1b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ18.00000°,λ-88.00000°. NP2:ϕ_s190.00000°,δ72.00000°,λ-91.00000°. $M_0$5.64000×10^{14}
IDC Error ellipse: s-maj=22.3km s-min=17.2km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=178.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=106.0.
ISC XII 09 01 29 47.2–1.0 37.86N–.05 143.61E–.08 19 3.5b 35 2-74
NIED XII 09 01 29 00 37.90N 143.50E 5 3.6W ¶602390867
IDC XII 09 01 29 44.2–1.4 37.84N 143.85E 0 3.7,3.5L
ISCJB XII 09 01 29 46.2–.74 37.88N–.04 143.57E–.06 19 3.5b,3.2s
JMA XII 09 01 29 48.1–.20 37.88N 143.52E 46 3.8,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ52.00000°,λ-6.00000°. NP2:ϕ_s174.00000°,δ86.00000°,λ-142.00000°. $M_0$3.26000×10^{14}
IDC Error ellipse: s-maj=31.6km s-min=26.4km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=177.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 01 32 41.5–2.4 37.83N–.07 143.8E–.10 42–24 29 2-58
IDC XII 09 01 32 34.0–2.9 38.11N 144.20E 0 3.5,3.4L ¶602390868
ISCJB XII 09 01 32 41.1–1.2 37.84N–.05 143.74E–.09 58–13 3.3b,3.4L
JMA XII 09 01 32 41.3–.20 37.80N 143.68E 46 3.5,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=37.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.9km az=15.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 01 56 44.8–1.4 37.86N–.07 143.98E–.09 35 3.5b 24 2-58
IDC XII 09 01 56 39.6–2.2 37.76N 144.19E 0 3.5,3.3 ¶602390869
ISCJB XII 09 01 56 43.4–.00 37.85N–.06 143.96E–.07 33 3.4b,3.3
JMA XII 09 01 56 44.3–.20 37.86N 143.86E 43 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=33.5km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=8.2km az=24.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 02 26 17.3–.98 37.93N–.06 143.84E–.08 35 3.5b 27 2-144
IDC XII 09 02 26 11.8–1.1 37.81N 144.27E 0 3.7,3.6 ¶602390872
ISCJB XII 09 02 26 15.1–.78 37.94N–.06 143.85E–.07 33 3.7b,3.6
JMA XII 09 02 26 16.3–.20 37.94N 143.73E 43 3.3,3.6

ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=21.5km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=7.5km az=25.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 02 34 18.0–.37**	**37.79N–.03**	**143.66E–.03**	**26–2**	**5.2b,4.6s**	**1324**	**2-160**	
NIED	XII	09 02 34 00	37.80N	143.40E	8	5.2W,4.6s			**¶602033195**
ISCJB	XII	09 02 34 14.7–.59	37.78N–.02	143.59E–.02	15–4	5.2b,4.6s			
IDC	XII	09 02 34 14.0–.31	37.71N	143.70E	0	5.1,5.1			
MOS	XII	09 02 34 16.3–.89	37.83N	143.64E	23	5.4b,4.6s			
JMA	XII	09 02 34 16.9–.20	37.88N	143.57E	42	5.2,4.6s			
NEIC	XII	09 02 34 17.1–.48	37.74N	143.62E	19–2	5.3b,5.1W			
GCMT	XII	09 02 34 19.1–.10	37.91N–.01	143.58E–.01	12	5.2W,5.1W			
BJI	XII	09 02 34 20.2	38.02N	143.16E	30	5.3b,5.2b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ32.00000°,λ-89.00000°. NP2:ϕ_s197.00000°,δ58.00000°,λ-90.00000°. $M_0$6.11000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=164.3.
IDC Error ellipse: s-maj=10.6km s-min=7.9km az=114.0.
MOS Error ellipse: s-maj=5.6km s-min=3.7km az=106.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=143.0. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. s11 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.03 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$5.68 $M_{r\theta}$1.51 $M_{\theta\phi}$1.30 $M_{\phi r}$2.44 Best double couple: NP1:ϕ_s359.00000° ,δ33.00000°,λ-110.00000°. NP2:ϕ_s202.00000°,δ59.00000°,λ-78.00000°. Principal axes: T 6.5600,Plg13.0000°,Azm283.0000°; N -0.7100,Plg11.0000°,Azm16.0000° ; P -5.8500,Plg73.0000°,Azm143.0000° $M_0$6.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c117; s120,c217;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$0.20±.01; $M_{\phi r}$0.20±.03; Best double couple: NP1:ϕ_s213.00000°,δ58.00000°,λ-72.00000°. NP2:ϕ_s1.00000°,δ36.00000°,λ-116.00000°. Principal axes: T 0.7580,Plg12.0000° ,Azm290.0000°; N 0.0270,Plg15.0000°,Azm23.0000°; P -0.7850,Plg71.0000°,Azm164.0000° $M_0$0.77200×10^{17}

ISC	**XII**	**09 03 49 26.4–.95**	**37.72N–.06**	**143.85E–.08**	**35**	**3.7b**	**31**	**2-62**	
NIED	XII	09 03 49 00	37.80N	143.70E	5	3.6W			**¶602390876**
IDC	XII	09 03 49 21.5–.96	37.69N	144.03E	0	3.9,3.9L			
ISCJB	XII	09 03 49 24.7–.68	37.74N–.05	143.83E–.05	33	3.7b,3.9L			
JMA	XII	09 03 49 25.9–.20	37.76N	143.73E	52	3.6,3.9L			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ35.00000°,λ-65.00000°. NP2:ϕ_s355.00000°,δ59.00000°,λ-107.00000°. $M_0$2.73000×10^{14}
IDC Error ellipse: s-maj=29.4km s-min=20.4km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=6.1km az=178.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 04 01 34.2–2.2**	**37.87N–.07**	**143.6E–.10**	**19**		**22**	**2-45**	
IDC	XII	09 04 01 25.8–12	36.00N	144.61E	0	3.4,3.4			**¶606069184**
JMA	XII	09 04 01 36.7–.20	37.86N	143.62E	52	2.8,3.4			

ISC Event type ke.
IDC Error ellipse: s-maj=237.5km s-min=81.2km az=152.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 04 19 33.0–.50**	**37.86N–.06**	**143.65E–.05**	**35**	**4.1b**	**108**	**2-88**	
NIED	XII	09 04 19 00	37.90N	143.50E	8	4.1W			**¶606069191**
IDC	XII	09 04 19 27.9–.65	37.81N	143.79E	0	4.2,4.0			
NEIC	XII	09 04 19 29.2–2.8	37.75N	143.83E	10–17	4.3b,4.0			
MOS	XII	09 04 19 29.3–1.2	37.83N	143.73E	22	4.4b,4.0			
JMA	XII	09 04 19 31.4–.20	37.90N	143.53E	40	4.0,4.0			
ISCJB	XII	09 04 19 31.4–.33	37.84N–.04	143.59E–.03	33	4.1b,3.3s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ31.00000°,λ-109.00000°. NP2:ϕ_s222.00000°,δ61.00000°,λ-79.00000°. $M_0$1.43000×10^{15}
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**09 04 24 20.6–1.1**	**37.91N–.06**	**143.66E–.09**	**19**	**3.6b**	**35**	**2-87**	
NIED	XII	09 04 24 00	37.90N	143.60E	5	3.7W			**¶602390879**
IDC	XII	09 04 24 17.4–1.2	37.80N	143.84E	0	3.8,3.8L			
ISCJB	XII	09 04 24 19.2–.70	37.86N–.04	143.62E–.06	19	3.6b,3.4s			
JMA	XII	09 04 24 21.4–.20	37.87N	143.57E	45	3.8,3.4s			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ67.00000°,λ18.00000°. NP2:ϕ_s318.00000°,δ74.00000°,λ156.00000°. $M_0$4.14000×10^{14}
IDC Error ellipse: s-maj=31.1km s-min=21.3km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.3km az=2.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 04 59 39.8–1.7**	**37.82N–.09**	**143.7E–.10**	**35**	**3.6b**	**18**	**2-62**	
JMA	XII	09 04 59 36.4–.20	37.89N	143.79E	45	3.5			**¶602390880**
IDC	XII	09 04 59 39.4–6.3	36.82N	143.69E	0	3.8,3.7b			

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=131.0km s-min=36.5km az=23.0.

ISC	**XII**	**09 05 11 28.5–3.1**	**37.87N–.08**	**143.4E–.20**	**19**		**17**	**2-4**	
JMA	XII	09 05 11 28.4–.20	37.80N	143.53E	44	2.8			**¶606069207**

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 05 24 42.4–1.0**	**37.88N–.05**	**143.60E–.06**	**28–7**	**4.3b**	**134**	**2-145**	
NIED	XII	09 05 24 00	37.90N	143.60E	5	4.2W			**¶606069215**
IDC	XII	09 05 24 38.2–.56	37.79N	143.69E	0	4.2,4.1			
NEIC	XII	09 05 24 40.0–2.4	37.77N	143.75E	13–15	4.4b,4.1			
MOS	XII	09 05 24 39.7–.99	37.87N	143.68E	22	4.6b,4.1			
ISCJB	XII	09 05 24 40.5–1.2	37.84N–.03	143.58E–.03	27–9	4.3b,3.3s			
JMA	XII	09 05 24 41.1–.20	37.89N	143.58E	41	4.1,3.3s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ26.00000°,λ-113.00000°. NP2:ϕ_s216.00000°,δ66.00000°,λ-79.00000°. $M_0$1.88000×10^{15}
IDC Error ellipse: s-maj=15.9km s-min=13.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=128.0.
MOS Error ellipse: s-maj=10.0km s-min=6.9km az=98.6.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=154.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 05 29 10.8–.71**	**37.95N–.07**	**143.83E–.07**	**35**	**3.7b**	**37**	**2-88**	
NIED	XII	09 05 29 00	38.00N	143.90E	5	4.0W			**¶602390883**
IDC	XII	09 05 29 05.2–.69	37.87N	143.99E	0	4.1,4.0			
ISCJB	XII	09 05 29 08.5–.55	37.91N–.05	143.80E–.05	33	3.9b,3.3s			
JMA	XII	09 05 29 08.1–.20	37.96N	143.87E	46	3.8,3.3s			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ23.00000°,λ-96.00000°. NP2:ϕ_s200.00000°,δ67.00000°,λ-87.00000°. $M_0$1.28000×10^{15}
IDC Error ellipse: s-maj=18.3km s-min=17.4km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.4km az=163.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**XII**	**09 05 29 59.3–.30**	**37.87N**	**143.65E**	**36**	**3.8**			**¶606069219**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**XII**	**09 06 48 45.7–.10**	**37.85N**	**143.75E**	**43**	**3.5**			**¶606069239**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 07 17 34.6–1.3**	**37.69N–.06**	**143.59E–.08**	**35**		**24**	**2-58**	
IDC	XII	09 07 17 29.9–1.5	37.67N	143.82E	0	3.6,3.3b			**¶602390888**
ISCJB	XII	09 07 17 33.3–.91	37.69N–.05	143.59E–.07	33	3.4b,3.3b			
JMA	XII	09 07 17 34.6–.20	37.67N	143.47E	42	3.2,3.3b			

ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=29.0km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.9km az=174.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**XII**	**09 07 52 43.0–.20**	**37.91N**	**143.89E**	**50**	**3.6**			**¶606069259**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 08 14 29.8–1.2**	**37.38N–.06**	**143.65E–.08**	**35**	**3.6b**	**24**	**2-61**	
IDC	XII	09 08 14 25.3–1.2	37.25N	143.80E	0	3.7,3.5			**¶606069262**
ISCJB	XII	09 08 14 28.0–.87	37.31N–.05	143.62E–.06	33	3.5b,3.5			
JMA	XII	09 08 14 29.2–.20	37.37N	143.58E	51	3.5,3.5			

ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=23.8km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.6km az=136.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 08 16 22.4–1.1**	**37.88N–.05**	**143.60E–.07**	**19**	**3.5b**	**31**	**2-62**	
IDC	XII	09 08 16 19.8–1.2	37.74N	143.85E	0	3.6,3.5			**¶602390890**
ISCJB	XII	09 08 16 20.9–.69	37.82N–.04	143.76E–.06	19	3.4b,3.5			
JMA	XII	09 08 16 22.8–.10	37.81N	143.72E	52	3.5,3.5			

ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=21.9km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.8km az=164.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 08 17 19.4–1.3**	**37.48N–.05**	**143.70E–.08**	**35**		**24**	**2-58**	
IDC	XII	09 08 17 15.1–1.6	37.28N	143.87E	0	3.8,3.6L			**¶602390893**
ISCJB	XII	09 08 17 18.1–1.0	37.44N–.04	143.65E–.07	33	3.6b,3.6L			
JMA	XII	09 08 17 19.1–.20	37.48N	143.62E	55	3.5,3.6L			

ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=30.3km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.8km az=5.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 08 52 36.0–.63**	**37.84N–.05**	**143.94E–.07**	**35**	**3.9b**	**78**	**2-88**	
NIED	XII	09 08 52 00	37.90N	143.90E	5	3.9W			**¶602330436**
IDC	XII	09 08 52 31.3–.70	37.67N	144.07E	0	4.1,4.0L			
ISCJB	XII	09 08 52 33.7–.37	37.75N–.03	143.90E–.03	33	4.0b,3.1s			
JMA	XII	09 08 52 34.5–.10	37.87N	143.91E	45	4.2,3.1s			
NEIC	XII	09 08 52 36.1–.32	37.68N	143.98E	35	4.3b,3.1s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ24.00000°,λ-107.00000°. NP2:ϕ_s218.00000°,δ67.00000°,λ-83.00000°. $M_0$7.98000×10^{14}
IDC Error ellipse: s-maj=21.6km s-min=15.5km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=39.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=123.0.

ISC	**XII**	**09 08 57 31.9–4.3**	**37.87N–.06**	**143.93E–.07**	**41–32**	**3.6b**	**28**	**2-62**	
IDC	XII	09 08 57 26.6–1.3	37.66N	144.14E	0	3.8,3.5			**¶602390895**
ISCJB	XII	09 08 57 29.9–1.1	37.93N–.05	143.97E–.07	58–16	3.7b,3.5			
JMA	XII	09 08 57 30.4–.10	37.86N	143.88E	45	3.3,3.5			

ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=24.9km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.5km az=32.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 09 58 39.2–4.0**	**38.26N–.06**	**143.81E–.06**	**14–25**	**4.2b**	**121**	**2-146**	
NIED	XII	09 09 58 00	38.20N	143.80E	8	4.1W			**¶602055680**
IDC	XII	09 09 58 36.5–.61	38.11N	143.88E	0	4.2,4.1			
ISCJB	XII	09 09 58 37.7–1.3	38.22N–.03	143.73E–.03	15–9	4.2b,4.1			
MOS	XII	09 09 58 38.6–1.3	38.27N	143.77E	23	4.3b,4.1			
JMA	XII	09 09 58 38.7–.10	38.22N	143.80E	42	4.5,4.1			
NEIC	XII	09 09 58 42.2–.27	38.18N	143.75E	35	4.4b,4.1			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ43.00000°,λ-18.00000°. NP2:ϕ_s159.00000°,δ78.00000°,λ-131.00000°. $M_0$1.70000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=13.4km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=154.0.
MOS Error ellipse: s-maj=10.4km s-min=6.8km az=81.1.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=150.0.

ISC	**XII**	**09 10 13 42.6–.40**	**38.13N–.05**	**143.93E–.05**	**35**	**4.5b,3.7s**	**247**	**2-150**	
NIED	XII	09 10 13 00	38.10N	143.90E	5	4.3W,3.7s			**¶606069285**
IDC	XII	09 10 13 36.9–.55	38.01N	143.98E	0	4.4,4.3			
MOS	XII	09 10 13 39.1–1.0	38.15N	143.89E	22	4.6b,4.3			
JMA	XII	09 10 13 39.1–.10	38.08N	143.93E	41	4.6,4.3			
ISCJB	XII	09 10 13 40.9–.21	38.09N–.03	143.84E–.03	33	4.4b,3.8s			
NEIC	XII	09 10 13 40.7–1.2	38.05N	143.94E	22–8	4.6b,3.8s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ44.00000°,λ-87.00000°. NP2:ϕ_s18.00000°,δ46.00000°,λ-93.00000°. $M_0$3.32000×10^{15}
IDC Error ellipse: s-maj=15.3km s-min=12.0km az=136.0.
MOS Error ellipse: s-maj=8.1km s-min=5.5km az=97.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=165.7.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=134.0.

ISC	**XII**	**09 10 28 04.0–1.4**	**38.09N–.06**	**143.91E–.08**	**35**		**23**	**2-62**	
IDC	XII	09 10 27 59.7–2.1	37.97N	144.00E	0	3.8,3.6			**¶606069296**
ISCJB	XII	09 10 28 02.1–.86	38.07N–.05	143.94E–.06	33	3.7b,3.6			
JMA	XII	09 10 28 03.6–.10	38.12N	143.86E	44	3.1,3.6			

ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=33.3km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.4km az=36.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XII**	**09 10 32 25.3–.79**	**38.15N–.05**	**143.90E–.06**	**35**	**4.0b**	**55**	**2-88**	
NIED	XII	09 10 32 00	38.10N	143.90E	5	3.6W			**¶602056191**
IDC	XII	09 10 32 20.0–.98	37.96N	144.00E	0	4.1,4.1s			
JMA	XII	09 10 32 22.9–.20	38.06N	143.87E	43	3.6,4.1s			
NEIC	XII	09 10 32 22.4–3.8	38.02N	144.10E	17–23	4.5b,4.1s			
ISCJB	XII	09 10 32 23.0–.46	38.07N–.03	143.91E–.04	33	4.1s,4.0b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ52.00000°,λ-30.00000°. NP2:ϕ_s347.00000°,δ67.00000°,λ-138.00000°. $M_0$2.53000×10^{14}
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**09 10 37 10.2–.77**	**38.10N–.06**	**143.86E–.07**	**35**	**3.6b**	**35**	**2-88**	
NIED	XII	09 10 37 00	38.10N	143.90E	5	3.8W			**¶602390897**
IDC	XII	09 10 37 04.6–.75	37.97N	144.01E	0	3.8,3.7L			
ISCJB	XII	09 10 37 07.9–.56	38.08N–.04	143.88E–.05	33	3.7b,3.7L			
JMA	XII	09 10 37 07.4–.20	38.07N	143.89E	43	3.8,3.7L			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ43.00000°,λ-76.00000°. NP2:ϕ_s182.00000°,δ49.00000°,λ-103.00000°. $M_0$4.85000×10^{14}
IDC Error ellipse: s-maj=21.0km s-min=17.1km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=162.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**09 10 39 04.0–1.4**	**38.21N–.07**	**143.85E–.09**	**35**		**20**	**2-59**	
IDC	XII	09 10 38 58.7–3.0	38.14N	144.17E	0	3.6,3.4b			**¶602390898**
ISCJB	XII	09 10 39 01.9–1.0	38.22N–.05	143.88E–.07	33	3.4b,3.4b			
JMA	XII	09 10 39 02.6–.10	38.24N	143.79E	34	3.6,3.4b			

ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=36.7km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.4km az=36.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XII**	**09 11 20 37.9–3.3**	**38.18N–.06**	**143.81E–.08**	**8–22**	**3.7b**	**27**	**2-62**	
IDC	XII	09 11 20 41.0–2.6	37.58N	143.94E	0	3.5,3.4b			**¶602390900**
JMA	XII	09 11 20 41.8–.20	38.12N	143.68E	36	3.2,3.4b			

ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=31.6km az=60.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**XII**	**09 11 47 01.8–1.0**	**38.27N–.04**	**143.71E–.05**	**17–6**	**4.7b,3.8s**	**322**	**2-90**	
IDC	XII	09 11 46 58.5–.58	38.11N	143.88E	0	4.5,4.5			**¶602032227**
ISCJB	XII	09 11 46 59.8–.92	38.21N–.03	143.71E–.02	14–5	4.6b,3.8s			
NIED	XII	09 11 47 00	38.20N	143.80E	11	4.6W,3.8s			
JMA	XII	09 11 47 00.7–.10	38.21N	143.80E	39	4.7,3.8s			
MOS	XII	09 11 47 01.5–1.0	38.38N	143.75E	22	4.8b,3.8s			
NEIC	XII	09 11 47 03.0–1.2	38.16N	143.76E	25–8	4.7b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=12.0km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.6km az=163.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ51.00000°,λ-4.00000°. NP2:ϕ_s152.00000°,δ87.00000°,λ-141.00000°. $M_0$7.71000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=5.2km az=99.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=137.0.

ISC	**XII**	**09 12 03 04.1–1.5**	**38.09N–.07**	**143.98E–.09**	**35**	**3.6b**	**21**	**2-62**	
ISCJB	XII	09 12 03 02.5–.98	38.09N–.06	144.00E–.08	33	3.7b			**¶602390901**

JMA XII 09 12 03 03.2–.20 38.07N 143.90E 37 3.2
IDC XII 09 12 03 10.0–1.3 36.65N 143.38E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.7km az=41.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=46.6km s-min=28.7km az=115.0.
ISC XII 09 12 17 36.5–1.1 38.06N–.05 144.13E–.09 35 3.5b 44 2-62
NIED XII 09 12 17 00 38.10N 144.10E 8 3.6W **¶602390902**
IDC XII 09 12 17 32.0–1.2 37.95N 144.22E 0 3.9L,3.8
ISCJB XII 09 12 17 34.1–.62 38.01N–.03 144.15E–.05 33 3.5b,3.8
JMA XII 09 12 17 35.5–.20 38.06N 144.07E 41 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S14.00000°,δ29.00000°,λ-77.00000°. NP2:ϕ_S179.00000°,δ62.00000°,λ-97.00000°. $M_0$3.06000×10^{14}
IDC Error ellipse: s-maj=30.3km s-min=21.5km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=21.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 09 12 48 33.9–.10 37.86N 143.73E 50 3.5
¶606069325
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 13 30 43.0–.74 37.59N–.06 143.74E–.07 35 4.1b 92 2-75
NIED XII 09 13 30 00 37.60N 143.60E 5 4.1W **¶602046967**
IDC XII 09 13 30 37.9–.87 37.49N 143.78E 0 4.2,4.0L
MOS XII 09 13 30 39.3–1.3 37.62N 143.88E 23 4.4b,4.0L
JMA XII 09 13 30 40.7–.20 37.57N 143.64E 53 4.1,4.0L
ISCJB XII 09 13 30 41.3–.42 37.61N–.03 143.66E–.04 33 4.2b,3.0s
NEIC XII 09 13 30 41.0–1.9 37.55N 143.79E 20–13 4.6b,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S190.00000°,δ41.00000°,λ-98.00000°. NP2:ϕ_S21.00000°,δ49.00000°,λ-83.00000°. $M_0$1.34000×10^{15}
IDC Error ellipse: s-maj=22.3km s-min=16.7km az=109.0.
MOS Error ellipse: s-maj=10.8km s-min=7.0km az=98.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=151.9.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=123.0.
ISC XII 09 13 41 09.6–1.0 37.41N–.05 143.64E–.08 35 3.6b 40 2-61
NIED XII 09 13 41 00 37.40N 143.60E 5 3.8W **¶602390903**
IDC XII 09 13 41 04.5–1.1 37.26N 143.81E 0 3.9L,3.8
ISCJB XII 09 13 41 07.8–.69 37.45N–.04 143.63E–.05 33 3.6b,3.8
JMA XII 09 13 41 08.3–.20 37.41N 143.57E 54 3.7,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S41.00000°,δ37.00000°,λ-82.00000°. NP2:ϕ_S212.00000°,δ53.00000°,λ-96.00000°. $M_0$5.59000×10^{14}
IDC Error ellipse: s-maj=24.8km s-min=20.1km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.2km az=18.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 14 42 16.4–.67 37.83N–.04 144.06E–.04 26–4 4.7b,4.2s 386 2-153
NIED XII 09 14 42 00 37.80N 143.80E 5 4.8W,4.2s **¶602033202**
IDC XII 09 14 42 12.3–.43 37.74N 144.04E 0 4.5,4.4
ISCJB XII 09 14 42 13.9–.89 37.85N–.03 143.93E–.02 15–5 4.6b,4.3s
MOS XII 09 14 42 14.6–.94 37.90N 144.01E 23 4.9b,4.1s
JMA XII 09 14 42 15.6–.20 37.84N 143.90E 50 4.8,4.1s
BJI XII 09 14 42 15.7 37.97N 143.99E 31 5.1b,4.6b
GCMT XII 09 14 42 16.4–.30 37.81N–.02 143.96E–.03 12 4.9W,4.6b
NEIC XII 09 14 42 17.4–1.1 37.75N 143.99E 34–7 4.8b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S30.00000°,δ27.00000°,λ-89.00000°. NP2:ϕ_S209.00000°,δ63.00000°,λ-90.00000°. $M_0$1.91000×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=11.3km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=172.8.
MOS Error ellipse: s-maj=7.3km s-min=5.2km az=108.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c26; s85,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.07 $M_{\theta\theta}$0.77±.07; $M_{\phi\phi}$1.63±.06; $M_{r\theta}$0.10±.29; $M_{\theta\phi}$1.07±.06; $M_{\phi r}$0.95±.28; Best double couple: NP1:ϕ_S204.00000°,δ56.00000°,λ-101.00000°. NP2:ϕ_S43.00000°,δ36.00000°,λ-75.00000°. Principal axes: T 2.5020,Plg10.0000° ,Azm302.0000°; N 0.1170,Plg9.0000°,Azm211.0000°; P -2.6200,Plg77.0000°,Azm79.0000° $M_0$2.56100×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=140.0. Recorded [1 JMA] in Miyagi.
ISC XII 09 15 06 01.5–1.4 37.80N–.05 143.81E–.09 35 23 2-62
IDC XII 09 15 05 56.8–2.1 37.70N 144.11E 0 3.8,3.6 **¶602390907**
ISCJB XII 09 15 05 59.6–.87 37.75N–.04 143.81E–.07 33 3.7b,3.6
JMA XII 09 15 06 01.2–.20 37.78N 143.72E 55 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=55.3km s-min=33.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.9km az=166.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 15 29 22.1–.63 38.07N–.05 143.89E–.06 35 3.9b 95 2-88
NIED XII 09 15 29 00 38.10N 143.90E 5 3.9W **¶602046969**
IDC XII 09 15 29 16.8–.70 37.98N 144.00E 0 4.0,3.9L
ISCJB XII 09 15 29 19.8–.35 38.00N–.03 143.88E–.03 33 4.0b,3.4s
JMA XII 09 15 29 19.8–.20 38.09N 143.88E 37 4.4,3.4s
NEIC XII 09 15 29 19.6–2.4 38.01N 144.00E 20–14 4.3b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S194.00000°,δ35.00000°,λ-83.00000°. NP2:ϕ_S5.00000°,δ56.00000°,λ-95.00000°. $M_0$7.51000×10^{14}
IDC Error ellipse: s-maj=18.0km s-min=14.4km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.8km az=153.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.5km az=104.0.
ISC XII 09 15 33 46.3–1.3 38.10N–.06 143.96E–.08 35 3.5b 28 2-62
IDC XII 09 15 33 41.9–1.7 37.99N 144.06E 0 3.8,3.6 **¶602390909**
ISCJB XII 09 15 33 44.5–.85 38.08N–.05 143.95E–.06 33 3.7b,3.6
JMA XII 09 15 33 45.4–.20 38.10N 143.88E 43 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=25.5km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.8km az=149.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 16 05 11.0–1.0 37.31N–.06 143.60E–.08 35 3.6b 30 2-89
IDC XII 09 16 05 06.2–1.1 37.16N 143.82E 0 3.8,3.5 **¶602390911**
ISCJB XII 09 16 05 09.3–.71 37.25N–.04 143.57E–.06 33 3.6b,3.5
JMA XII 09 16 05 09.8–.20 37.27N 143.56E 51 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=22.8km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.1km az=175.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 17 34 56.7–.66 38.04N–.05 143.88E–.07 35 3.9b 69 2-88
IDC XII 09 17 34 51.5–.70 37.99N 143.96E 0 4.0,3.8 **¶602216188**
ISCJB XII 09 17 34 54.7–.39 38.00N–.03 143.86E–.04 33 3.9b,3.2s
JMA XII 09 17 34 54.6–.20 38.05N 143.86E 42 3.9,3.2s
NEIC XII 09 17 34 56.8–.30 38.02N 143.93E 35 4.5b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=14.6km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=156.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=121.0.
ISC XII 09 17 50 14.7–.82 37.57N–.05 144.47E–.08 35 3.9b 54 2-75
NIED XII 09 17 50 00 37.60N 144.30E 5 4.0W **¶602390915**
IDC XII 09 17 50 09.4–.83 37.48N 144.62E 0 4.0,3.9
ISCJB XII 09 17 50 13.0–.55 37.53N–.04 144.41E–.05 33 3.8b,3.0s
JMA XII 09 17 50 15.9–.20 37.62N 144.28E 56 4.7,3.0s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S177.00000°,δ16.00000°,λ-137.00000°. NP2:ϕ_S45.00000°,δ79.00000°,λ-78.00000°. $M_0$9.60000×10^{14}
IDC Error ellipse: s-maj=21.6km s-min=17.5km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=149.7.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 09 18 39 04.4–.92 37.85N–.06 143.91E–.07 35 3.6b 36 2-62
IDC XII 09 18 38 59.0–.94 37.66N 144.04E 0 3.8,3.7L **¶606069389**
NIED XII 09 18 39 00 37.80N 143.90E 11 3.7W,3.7L
ISCJB XII 09 18 39 02.1–.65 37.82N–.04 143.89E–.05 33 3.6b,3.7L
JMA XII 09 18 39 02.7–.20 37.84N 143.85E 43 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=18.8km az=109.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S339.00000°,δ61.00000°,λ164.00000°. NP2:ϕ_S77.00000°,δ76.00000°,λ30.00000°. $M_0$4.57000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=156.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 18 59 46.9–.55 37.99N–.04 143.91E–.04 27–3 4.8b,4.4s 367 2-144
NIED XII 09 18 59 00 38.00N 143.80E 5 4.7W,4.4s **¶606069393**
IDC XII 09 18 59 42.8–.45 37.94N 143.90E 0 4.7,4.6
ISCJB XII 09 18 59 44.3–.89 38.04N–.03 143.81E–.02 15–5 4.7b,4.3s
BJI XII 09 18 59 46.5 38.14N 143.76E 29 5.2b,4.8b
MOS XII 09 18 59 46.2–.98 38.21N 143.83E 24 5.1b,4.0s
JMA XII 09 18 59 46.3–.20 38.02N 143.80E 45 4.7,4.0s
GCMT XII 09 18 59 47.2–.60 37.79N–.04 143.80E–.04 13–1 4.7W,4.0s
NEIC XII 09 18 59 48.2–.22 37.94N 143.82E 35 4.9b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S14.00000°,δ37.00000°,λ-91.00000°. NP2:ϕ_S196.00000°,δ53.00000°,λ-89.00000°. $M_0$1.08000×10^{16}
IDC Error ellipse: s-maj=13.0km s-min=9.9km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=162.6.
MOS Error ellipse: s-maj=7.7km s-min=4.9km az=106.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c17; s68,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.33±.13 $M_{\theta\theta}$0.20±.08; $M_{\phi\phi}$1.13±.09; $M_{r\theta}$-0.95±.29; $M_{\theta\phi}$0.46±.05; $M_{\phi r}$0.59±.23; Best double couple: NP1:ϕ_S173.00000°,δ57.00000°,λ-125.00000°. NP2:ϕ_S45.00000°,δ46.00000°,λ-49.00000°. Principal axes: T 1.3390,Plg6.0000° ,Azm287.0000°; N 0.6170,Plg29.0000°,Azm194.0000°; P -1.9560,Plg61.0000°,Azm28.0000° $M_0$1.64800×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=153.0.
ISC XII 09 19 07 28.0–.67 37.85N–.05 143.62E–.06 19 4.0b 49 2-145
NIED XII 09 19 07 00 37.90N 143.50E 5 4.0W **¶602390921**
IDC XII 09 19 07 25.4–.67 37.78N 143.67E 0 4.2,4.1s
ISCJB XII 09 19 07 26.5–.49 37.84N–.03 143.54E–.04 19 4.1s,4.0b
JMA XII 09 19 07 28.4–.20 37.89N 143.54E 50 4.5,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S359.00000°,δ19.00000°,λ-116.00000°. NP2:ϕ_S206.00000°,δ73.00000°,λ-82.00000°. $M_0$1.24000×10^{15}
IDC Error ellipse: s-maj=18.0km s-min=14.9km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.7km az=153.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 20 48 45.6–1.4 38.05N–.07 143.8E–.10 35 3.5b 31 2-62
NIED XII 09 20 48 00 38.10N 143.80E 5 3.4W **¶602390929**
IDC XII 09 20 48 39.1–2.4 38.05N 144.19E 0 3.7,3.6
ISCJB XII 09 20 48 43.5–.84 38.03N–.05 143.88E–.06 33 3.5b,3.6
JMA XII 09 20 48 43.7–.10 38.08N 143.81E 30 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S226.00000°,δ44.00000°,λ-41.00000°. NP2:ϕ_S348.00000°,δ63.00000°,λ-126.00000°. $M_0$1.55000×10^{14}
IDC Error ellipse: s-maj=67.8km s-min=21.6km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.9km az=36.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 22 03 27.0–1.1 37.89N–.06 143.94E–.07 35 3.5b 37 2-58
IDC XII 09 22 03 22.2–1.4 37.80N 144.06E 0 3.8L,3.7 **¶602390936**
ISCJB XII 09 22 03 24.9–.74 37.87N–.04 143.93E–.05 33 3.5b,3.7
JMA XII 09 22 03 25.7–.20 37.86N 143.87E 52 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=25.6km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=145.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 22 09 55.3–1.3 38.31N–.06 144.14E–.09 29 3.5b 31 2-59
IDC XII 09 22 09 50.2–2.6 38.31N 144.49E 0 3.6,3.5 **¶602390937**
ISCJB XII 09 22 09 54.2–.90 38.31N–.06 144.08E–.07 29 3.4b,3.5
JMA XII 09 22 09 54.8–.20 38.31N 144.05E 40 3.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=66.1km s-min=27.3km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.5km az=162.9.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 09 22 15 23.7–.78 38.28N–.05 144.10E–.07 14 4.1b 62 2-75
IDC XII 09 22 15 21.5–1.0 38.18N 144.11E 0 4.0,3.8 **¶602330396**
ISCJB XII 09 22 15 22.9–.50 38.31N–.04 144.03E–.04 14 4.1b,3.8
JMA XII 09 22 15 24.2–.20 38.28N 144.06E 41 3.6,3.8
NEIC XII 09 22 15 27.1–.60 38.31N 144.08E 35 4.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=21.7km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=152.8.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.1km az=147.0.
ISC XII 09 22 35 29.7–1.7 37.83N–.06 143.9E–.10 35 3.5b 29 2-58
JMA XII 09 22 35 29.0–.20 37.85N 143.75E 50 3.5 **¶602390938**
IDC XII 09 22 35 34.5–2.1 38.32N 142.94E 0 3.6,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=45.8km s-min=28.0km az=72.0.
ISC XII 09 23 29 38.6–.65 37.61N–.04 143.79E–.07 35 4.0b 58 2-88
NIED XII 09 23 29 00 37.60N 143.70E 5 3.9W **¶602070445**
IDC XII 09 23 29 33.3–.73 37.54N 143.91E 0 4.1,4.0L
ISCJB XII 09 23 29 36.5–.45 37.60N–.03 143.74E–.04 33 3.9b,4.0L
JMA XII 09 23 29 36.7–.20 37.60N 143.71E 57 4.0,4.0L
NEIC XII 09 23 29 37.9–3.5 37.55N 143.90E 30–24 4.1b,4.0L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S12.00000°,δ43.00000°,λ-83.00000°. NP2:ϕ_S182.00000°,δ48.00000°,λ-97.00000°. $M_0$7.32000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=16.5km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.6km az=7.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.8km az=106.0.
ISC XII 09 23 48 09.7–1.2 37.62N–.07 143.68E–.09 35 3.7b 27 2-62
IDC XII 09 23 48 04.5–1.2 37.47N 143.89E 0 3.9,3.7L **¶602390942**
ISCJB XII 09 23 48 07.7–.81 37.57N–.06 143.70E–.06 33 3.6b,3.7L
JMA XII 09 23 48 07.4–.20 37.60N 143.70E 45 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=26.9km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.8km az=9.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 09 23 49 28.7–.53 37.60N–.05 143.78E–.06 35 4.3b 137 2-118
IDC XII 09 23 49 23.2–.60 37.52N 143.89E 0 4.5,4.3 **¶607215278**
MOS XII 09 23 49 24.7–1.2 37.62N 143.90E 24 4.5b,4.3
JMA XII 09 23 49 26.2–.20 37.63N 143.72E 60 4.4,4.3
ISCJB XII 09 23 49 27.9–.35 37.75N–.03 143.68E–.04 33 4.2b,4.3
NEIC XII 09 23 49 28.8–.43 37.60N 143.80E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=14.3km az=127.0.
MOS Error ellipse: s-maj=9.7km s-min=6.9km az=109.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=168.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.4km az=137.0.
ISC XII 09 23 50 33.8–.33 37.63N–.04 143.85E–.04 28–1 4.9b,4.7s 533 2-150
NIED XII 09 23 50 00 37.70N 143.60E 5 4.8W,4.7s **¶602032408**
IDC XII 09 23 50 28.8–.48 37.49N 143.88E 0 4.7,4.7
ISCJB XII 09 23 50 30.3–.86 37.65N–.03 143.74E–.02 11–5 4.9b,4.7s
MOS XII 09 23 50 32.8–1.0 37.79N 143.72E 25 5.2b,4.8s
JMA XII 09 23 50 32.6–.20 37.68N 143.62E 23 5.0,4.8s
BJI XII 09 23 50 33.2 37.90N 143.76E 32 5.3b,4.8b
NEIC XII 09 23 50 33.0–1.0 37.52N 143.81E 22–7 5.0b,4.8b
GCMT XII 09 23 50 35.0–.30 37.72N–.02 143.82E–.02 12 4.9W,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S17.00000°,δ35.00000°,λ-102.00000°. NP2:ϕ_S210.00000°,δ56.00000°,λ-82.00000°. $M_0$2.08000×10^{16}

ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c29; s101,c141;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79±.07 $M_{\theta\theta}$0.66±.07; $M_{\phi\phi}$2.13±.06; $M_{r\theta}$0.63±.29; $M_{\theta\phi}$0.87±.05; $M_{\phi r}$-0.79±.26; Best double couple: NP1:ϕ_s9.00000°,δ52.00000°,λ-109.00000°. NP2:ϕ_s219.00000°,δ42.00000°,λ-67.00000°. Principal axes: T 2.5730,Plg5.0000° ,Azm113.0000°; N 0.4970,Plg15.0000°,Azm21.0000°; P -3.0720,Plg74.0000°,Azm222.0000° $M_0$2.82300×10^{16}

JMA	**XII**	**09 23 52 05.9–.10**	**37.76N**	**143.66E**	**25**	**3.8**			
									¶606069461
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**XII**	**09 23 56 35.6–.87**	**37.61N–.04**	**143.86E–.04**	**26–5**	**4.8b**	**304**	**2-150**	
IDC	XII	09 23 56 31.9–.44	37.56N	143.87E	0	4.6,4.5			**¶602034568**
ISCJB	XII	09 23 56 33.2–.92	37.60N–.02	143.74E–.02	15–5	4.8b,4.4s			
MOS	XII	09 23 56 34.5–1.1	37.66N	143.87E	29	4.8b,4.4s			
JMA	XII	09 23 56 35.1–.20	37.64N	143.71E	54	4.9,4.4s			
NEIC	XII	09 23 56 35.0–1.3	37.53N	143.83E	19–8	4.9b,4.4s			
BJI	XII	09 23 56 36.0	37.70N	143.70E	36	5.0b,4.8b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=12.4km s-min=10.5km az=109.0.							
ISCJB		Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=161.0.							
MOS		Error ellipse: s-maj=8.5km s-min=5.3km az=107.9.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
NEIC		Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=131.0.							
ISC	**XII**	**09 23 59 05.4–2.3**	**38.02N–.07**	**143.9E–.10**	**46–30**	**4.2b**	**21**	**2-62**	
ISCJB	XII	09 23 59 02.3–1.3	37.99N–.06	143.99E–.08	55–18	4.3b			**¶602390943**
JMA	XII	09 23 59 02.6–.20	37.90N	143.89E	45	3.8			
IDC	XII	09 23 59 03.1–2.2	37.15N	144.01E	0	4.3,4.2b			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=11.7km s-min=7.5km az=39.4.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
IDC		Error ellipse: s-maj=52.6km s-min=29.2km az=50.0.							
ISC	**XII**	**10 00 00 24.0–.73**	**37.63N–.05**	**143.72E–.07**	**35**	**4.1b**	**53**	**2-75**	
NIED	XII	10 00 00 00	37.70N	143.70E	5	4.0W			**¶602070451**
IDC	XII	10 00 00 18.4–.82	37.58N	143.90E	0	4.2,4.0			
ISCJB	XII	10 00 00 21.9–.48	37.63N–.04	143.73E–.04	33	4.0b,3.4s			
JMA	XII	10 00 00 22.3–.20	37.67N	143.70E	50	4.1,3.4s			
NEIC	XII	10 00 00 23.6–.49	37.62N	143.86E	35	4.1b,3.4s			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s168.00000°,δ37.00000°,λ-132.00000°. NP2:ϕ_s36.00000°,δ64.00000°,λ-64.00000°. $M_0$9.81000×10^{14}							
IDC		Error ellipse: s-maj=20.4km s-min=17.9km az=98.0.							
ISCJB		Event type se. Error ellipse: s-maj=5.7km s-min=5.0km az=11.0.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
NEIC		Event type se. Error ellipse: s-maj=10.7km s-min=8.8km az=100.0.							
JMA	**XII**	**10 00 08 14.4–.10**	**37.68N**	**143.69E**	**58**	**2.9**			
									¶603713376
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 00 09 51.6–.53**	**37.70N–.04**	**143.85E–.04**	**27–2**	**4.8b,4.3s**	**368**	**2-146**	
NIED	XII	10 00 09 00	37.60N	143.70E	5	4.7W,4.3s			**¶602034569**
ISCJB	XII	10 00 09 47.5–.83	37.74N–.02	143.75E–.03	6–5	4.7b,4.3s			
IDC	XII	10 00 09 47.0–.49	37.56N	143.84E	0	4.6,4.5			
JMA	XII	10 00 09 50.1–.20	37.65N	143.72E	46	4.7,4.5			
NEIC	XII	10 00 09 50.8–1.3	37.60N	143.82E	21–8	4.9b,4.5			
MOS	XII	10 00 09 51.5–1.1	37.97N	143.66E	24	5.0b,4.2s			
BJI	XII	10 00 09 51.5	37.81N	143.70E	32	5.2b,4.7b			
GCMT	XII	10 00 09 53.8–.40	37.75N–.03	143.83E–.03	18–1	4.9W,4.7b			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ43.00000°,λ-85.00000°. NP2:ϕ_s10.00000°,δ47.00000°,λ-94.00000°. $M_0$1.38000×10^{16}							
ISCJB		Event type se.							
NEIC		Event type se.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s83,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.17 $M_{\theta\theta}$0.44±.09; $M_{\phi\phi}$2.11±.11; $M_{r\theta}$0.13±.23; $M_{\theta\phi}$0.45±.05; $M_{\phi r}$-1.10±.21; Best double couple: NP1:ϕ_s6.00000°,δ57.00000°,λ-98.00000°. NP2:ϕ_s200.00000°,δ34.00000°,λ-78.00000°. Principal axes: T 2.4410,Plg12.0000° ,Azm102.0000°; N 0.3670,Plg6.0000°,Azm10.0000°; P -2.8020,Plg76.0000°,Azm253.0000° $M_0$2.62200×10^{16}							
ISC	**XII**	**10 03 23 33.6–1.1**	**37.89N–.06**	**143.54E–.08**	**19**	**4.0b,3.0s**	**32**	**2-58**	
NIED	XII	10 03 23 00	37.90N	143.50E	8	4.1W,3.0s			**¶602390955**
IDC	XII	10 03 23 30.4–1.1	37.76N	143.65E	0	4.0,3.9			
ISCJB	XII	10 03 23 31.9–.68	37.87N–.04	143.52E–.06	19	3.9b,3.0s			
JMA	XII	10 03 23 33.8–.20	37.85N	143.49E	52	3.9,3.0s			
ISC		Event type ke.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ42.00000°,λ-4.00000°. NP2:ϕ_s160.00000°,δ87.00000°,λ-132.00000°. $M_0$1.40000×10^{15}							
IDC		Error ellipse: s-maj=23.7km s-min=19.4km az=119.0.							
ISCJB		Event type ke. Error ellipse: s-maj=6.6km s-min=6.3km az=34.5.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 03 24 09.4–1.5**	**37.54N–.07**	**143.67E–.09**	**35**	**4.1b**	**15**	**2-62**	
IDC	XII	10 03 24 07.0–2.4	37.08N	143.78E	0	4.1,4.0			**¶602390958**
ISCJB	XII	10 03 24 07.4–1.1	37.48N–.05	143.59E–.08	33	4.0b,4.0			
JMA	XII	10 03 24 09.7–.20	37.59N	143.53E	60	3.8,4.0			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=70.7km s-min=24.9km az=63.0.							
ISCJB		Event type ke. Error ellipse: s-maj=8.6km s-min=7.6km az=174.8.							
JMA		Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 03 29 13.5–1.2**	**37.82N–.06**	**143.62E–.09**	**35**	**3.6b**	**22**	**2-58**	
NIED	XII	10 03 29 00	38.00N	143.50E	26	3.7W			**¶602390959**
IDC	XII	10 03 29 08.9–1.4	37.46N	144.04E	0	3.7,3.6b			
ISCJB	XII	10 03 29 12.5–1.1	37.89N–.07	143.56E–.08	33	3.6b,3.6b			
JMA	XII	10 03 29 12.2–.10	37.97N	143.50E	21	3.8,3.6b			
ISC		Event type ke.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ79.00000°,λ175.00000°. NP2:ϕ_s60.00000°,δ85.00000°,λ11.00000°. $M_0$3.37000×10^{14}							
IDC		Error ellipse: s-maj=34.4km s-min=26.1km az=112.0.							
ISCJB		Event type ke. Error ellipse: s-maj=9.5km s-min=9.2km az=142.4.							
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**XII**	**10 03 58 13.8–.89**	**37.82N–.08**	**143.80E–.08**	**35**	**3.6b**	**29**	**2-76**	
NIED	XII	10 03 58 00	37.80N	143.80E	5	3.8W			**¶602390962**
IDC	XII	10 03 58 08.4–.84	37.69N	144.10E	0	3.9,3.8			
JMA	XII	10 03 58 11.9–.20	37.84N	143.78E	42	3.7,3.8			
ISCJB	XII	10 03 58 12.1–.65	37.81N–.06	143.80E–.06	33	3.7b,3.8			
ISC		Event type ke.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ19.00000°,λ-80.00000°. NP2:ϕ_s176.00000°,δ71.00000°,λ-93.00000°. $M_0$5.61000×10^{14}							
ISCJB		Event type ke.							
ISC	**XII**	**10 04 02 49.1–1.2**	**37.84N–.08**	**143.69E–.10**	**19**	**3.6b**	**21**	**2-58**	
IDC	XII	10 04 02 45.2–1.4	37.58N	144.03E	0	3.7,3.7L			**¶602390963**
ISCJB	XII	10 04 02 48.4–1.1	37.83N–.08	143.63E–.08	19	3.5b,2.9s			
JMA	XII	10 04 02 48.1–.10	37.85N	143.76E	45	3.4,2.9s			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=30.8km s-min=28.7km az=89.0.							
ISCJB		Event type ke. Error ellipse: s-maj=11.4km s-min=9.3km az=167.7.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 04 13 57.3–1.4**	**37.93N–.09**	**143.6E–.10**	**19**			**14**	**2-58**
IDC	XII	10 04 13 54.5–1.6	37.74N	143.85E	0	3.8,3.5b			**¶602390964**
ISCJB	XII	10 04 13 55.6–1.1	37.88N–.08	143.6E–.10	19	3.6b,3.5b			
JMA	XII	10 04 13 57.5–.20	37.94N	143.58E	39	3.3,3.5b			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=58.1km s-min=30.0km az=127.0.							
ISCJB		Event type ke. Error ellipse: s-maj=11.7km s-min=11.3km az=39.3.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 04 52 47.8–1.6**	**37.92N–.08**	**143.6E–.10**	**35**	**3.3b**	**21**	**2-58**	
NIED	XII	10 04 52 00	37.90N	143.60E	32	3.7W			**¶602390965**
IDC	XII	10 04 52 41.4–2.3	37.88N	143.93E	0	3.7,3.6			
ISCJB	XII	10 04 52 45.9–1.1	37.86N–.07	143.61E–.09	33	3.5b,3.6			
JMA	XII	10 04 52 45.7–.20	37.94N	143.63E	43	3.5,3.6			
ISC		Event type ke.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ75.00000°,λ167.00000°. NP2:ϕ_s50.00000°,δ77.00000°,λ15.00000°. $M_0$3.41000×10^{14}							
IDC		Error ellipse: s-maj=56.5km s-min=27.9km az=64.0.							
ISCJB		Event type ke. Error ellipse: s-maj=10.3km s-min=9.4km az=152.7.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 05 35 41.8–1.9**	**37.54N–.06**	**143.7E–.10**	**35**	**3.7b**	**26**	**2-58**	
ISCJB	XII	10 05 35 40.5–1.0	37.51N–.04	143.63E–.07	33	3.6b,3.0s			**¶602390966**
IDC	XII	10 05 35 41.6–2.6	36.85N	143.58E	0	3.7,3.6			
JMA	XII	10 05 35 41.2–.20	37.56N	143.60E	53	3.5,3.6			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=13.7.							
IDC		Error ellipse: s-maj=71.2km s-min=30.9km az=64.0.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 09 09 33.8–.31**	**37.84N–.03**	**143.69E–.03**	**27–1**	**4.9b,4.3s**	**580**	**2-153**	
NIED	XII	10 09 09 00	37.90N	143.60E	5	4.9W,4.3s			**¶602034572**
IDC	XII	10 09 09 29.3–.41	37.76N	143.69E	0	4.7,4.6			
ISCJB	XII	10 09 09 30.1–.79	37.90N–.02	143.55E–.02	8–5	4.8b,4.2s			
JMA	XII	10 09 09 31.5–.10	37.88N	143.63E	43	4.8,4.2s			
MOS	XII	10 09 09 31.5–1.2	37.89N	143.58E	22	5.0b,4.0s			
NEIC	XII	10 09 09 33.4–.97	37.80N	143.60E	22–6	4.9b,4.0s			
BJI	XII	10 09 09 33.0	37.97N	143.54E	27	5.1b,4.9b			
GCMT	XII	10 09 09 34.4–.30	37.97N–.02	143.64E–.02	12	4.9W,4.9b			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ32.00000°,λ-105.00000°. NP2:ϕ_s202.00000°,δ59.00000°,λ-81.00000°. $M_0$2.17000×10^{16}							
ISCJB		Event type se.							
NEIC		Event type se.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s94,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.44±.06 $M_{\theta\theta}$0.28±.06; $M_{\phi\phi}$2.16±.05; $M_{r\theta}$0.48±.25; $M_{\theta\phi}$0.66±.05; $M_{\phi r}$-0.42±.20; Best double couple: NP1:ϕ_s5.00000°,δ49.00000°,λ-106.00000°. NP2:ϕ_s210.00000°,δ43.00000°,λ-72.00000°. Principal axes: T 2.3830,Plg3.0000° ,Azm107.0000°; N 0.2020,Plg12.0000°,Azm16.0000°; P -2.5840,Plg77.0000°,Azm211.0000° $M_0$2.48400×10^{16}							
JMA	**XII**	**10 09 10 58.2–.10**	**37.89N**	**143.57E**	**40**	**4.0**			
									¶606069584
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**XII**	**10 11 11 41.1–.76**	**37.85N–.05**	**143.98E–.06**	**24–5**	**4.3b,3.3s**	**131**	**2-149**	
NIED	XII	10 11 11 00	37.80N	143.80E	5	4.0W,3.3s			**¶602033217**
IDC	XII	10 11 11 37.2–.62	37.73N	144.03E	0	4.3,4.1			
ISCJB	XII	10 11 11 38.5–1.2	37.82N–.03	143.96E–.03	20–9	4.3b,3.3s			
MOS	XII	10 11 11 38.6–1.0	37.83N	144.08E	24	4.3b,3.3s			
NEIC	XII	10 11 11 39.9–2.2	37.78N	144.06E	18–13	4.5b,3.3s			
JMA	XII	10 11 11 41.2–.20	37.82N	143.84E	48	4.3,3.3s			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ39.00000°,λ-105.00000°. NP2:ϕ_s243.00000°,δ52.00000°,λ-78.00000°. $M_0$1.30000×10^{15}							
IDC		Error ellipse: s-maj=16.2km s-min=13.4km az=145.0.							
ISCJB		Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=156.3.							
MOS		Error ellipse: s-maj=9.9km s-min=7.0km az=100.2.							
NEIC		Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=130.0.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 12 00 39.9–1.4**	**38.01N–.06**	**143.51E–.07**	**19**	**3.6b**	**38**	**2-62**	
JMA	XII	10 12 00 38.4–.20	37.85N	143.88E	41	3.7			**¶602390976**
IDC	XII	10 12 00 43.4–1.2	38.20N	142.85E	0	4.4,4.4s			
ISC		Event type ke.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
IDC		Error ellipse: s-maj=32.6km s-min=22.5km az=89.0.							
ISC	**XII**	**10 12 30 27.6–.83**	**37.81N–.05**	**143.94E–.07**	**35**	**3.9b**	**59**	**2-69**	
NIED	XII	10 12 30 00	37.80N	143.90E	5	3.6W			**¶602355581**
IDC	XII	10 12 30 22.4–1.1	37.76N	144.06E	0	4.0,3.8			
ISCJB	XII	10 12 30 25.3–.51	37.77N–.03	143.91E–.04	33	4.0b,3.8			
JMA	XII	10 12 30 26.1–.20	37.83N	143.88E	46	3.7,3.8			
NEIC	XII	10 12 30 27.8–.49	37.80N	143.99E	35	4.0b,3.8			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ29.00000°,λ-127.00000°. NP2:ϕ_s49.00000°,δ68.00000°,λ-72.00000°. $M_0$2.68000×10^{14}							
IDC		Error ellipse: s-maj=30.0km s-min=20.6km az=87.0.							
ISCJB		Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=38.7.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
NEIC		Event type se. Error ellipse: s-maj=9.6km s-min=7.3km az=124.0.							
ISC	**XII**	**10 12 33 49.1–1.4**	**37.80N–.05**	**143.94E–.07**	**24–10**	**4.0b**	**80**	**2-76**	
NIED	XII	10 12 33 00	37.80N	143.80E	5	4.0W			**¶602355582**
IDC	XII	10 12 33 45.2–.78	37.69N	144.08E	0	4.0,3.9			
NEIC	XII	10 12 33 46.7–1.7	37.71N	144.10E	10–10	4.5b,3.9			
ISCJB	XII	10 12 33 48.1–1.3	37.76N–.03	143.88E–.04	31–10	4.0b,3.9			
JMA	XII	10 12 33 49.0–.10	37.82N	143.85E	46	4.0,3.9			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ34.00000°,λ-110.00000°. NP2:ϕ_s223.00000°,δ58.00000°,λ-77.00000°. $M_0$9.72000×10^{14}							
IDC		Error ellipse: s-maj=20.3km s-min=16.2km az=109.0.							
NEIC		Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=120.0.							
ISCJB		Event type se. Error ellipse: s-maj=5.5km s-min=4.8km az=150.2.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 12 43 24.5–.58**	**37.71N–.05**	**143.71E–.05**	**32–3**	**4.4b,3.5s**	**175**	**2-144**	
NIED	XII	10 12 43 00	37.60N	143.70E	5	4.3W,3.5s			**¶606069635**
IDC	XII	10 12 43 19.1–.60	37.55N	143.79E	0	4.3,4.2			
MOS	XII	10 12 43 21.3–1.0	37.67N	143.73E	27	4.6b,4.2			
JMA	XII	10 12 43 22.2–.20	37.61N	143.66E	55	4.2,4.2			
NEIC	XII	10 12 43 25.0–.42	37.57N	143.68E	39–3	4.5b,4.2			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ26.00000°,λ-90.00000°. NP2:ϕ_s190.00000°,δ64.00000°,λ-90.00000°. $M_0$3.04000×10^{15}							
IDC		Error ellipse: s-maj=16.1km s-min=12.8km az=121.0.							
MOS		Error ellipse: s-maj=8.9km s-min=5.6km az=102.8.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
NEIC		Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=128.0.							
ISC	**XII**	**10 13 38 14.1–1.8**	**37.78N–.06**	**143.6E–.10**	**35**	**3.5b**	**22**	**2-62**	
ISCJB	XII	10 13 38 11.9–.89	37.75N–.04	143.61E–.07	33	3.5b			**¶602390984**
JMA	XII	10 13 38 13.1–.20	37.77N	143.51E	41	2.8			
IDC	XII	10 13 38 14.8–1.2	36.96N	143.23E	0	3.6,3.5b			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=7.7km s-min=6.2km az=7.8.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
IDC		Error ellipse: s-maj=33.8km s-min=26.5km az=100.0.							
ISC	**XII**	**10 13 41 53.1–1.2**	**37.77N–.05**	**143.61E–.08**	**19**	**3.5b**	**35**	**2-62**	
IDC	XII	10 13 41 49.9–1.9	37.67N	143.87E	0	3.7,3.6			**¶602390985**
ISCJB	XII	10 13 41 51.4–.74	37.79N–.03	143.63E–.06	19	3.5b,3.6			
JMA	XII	10 13 41 54.3–.20	37.74N	143.47E	35	3.1,3.6			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=52.2km s-min=27.3km az=74.0.							
ISCJB		Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=13.9.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 13 56 10.6–1.2**	**37.95N–.06**	**143.63E–.08**	**19**			**28**	**2-58**
IDC	XII	10 13 56 08.3–1.6	37.76N	143.84E	0	3.6,3.4			**¶602390986**
ISCJB	XII	10 13 56 09.6–.86	37.94N–.05	143.61E–.06	19	3.5b,3.4			
JMA	XII	10 13 56 11.5–.20	37.95N	143.58E	46	3.1,3.4			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=49.3km s-min=27.8km az=116.0.							
ISCJB		Event type ke. Error ellipse: s-maj=7.1km s-min=6.9km az=28.1.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 14 42 41.2–1.2**	**37.79N–.06**	**143.78E–.08**	**35**			**29**	**2-58**
IDC	XII	10 14 42 37.0–1.6	37.51N	143.94E	0	3.6,3.3			**¶602390987**
ISCJB	XII	10 14 42 39.8–.85	37.75N–.04	143.74E–.06	33	3.5b,3.3			
JMA	XII	10 14 42 40.1–.20	37.77N	143.71E	50	3.5,3.3			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=44.5km s-min=28.1km az=138.0.							
ISCJB		Event type ke. Error ellipse: s-maj=7.4km s-min=6.2km az=21.2.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISC	**XII**	**10 15 07 03.3–2.5**	**37.79N–.09**	**143.8E–.20**	**38–7**			**31**	**2-62**
IDC	XII	10 15 07 00.6–8.3	37.32N	143.84E	0	3.6,3.4			**¶602390988**

ISCJB XII 10 15 07 02.0–1.1 37.79N–.05 143.76E–.08 53–16 3.6b,3.4
JMA XII 10 15 07 01.5–.20 37.82N 143.75E 34 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=173.2km s-min=39.4km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=7.3km az=27.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 15 38 52.1–.67 37.63N–.04 143.63E–.06 35 3.9b 73 2-76
NIED XII 10 15 38 00 37.60N 143.60E 5 4.0W **¶602046972**
IDC XII 10 15 38 47.0–.80 37.51N 143.78E 0 4.1L,4.0
NEIC XII 10 15 38 48.7–2.4 37.56N 143.78E 12–15 4.7b,4.0
ISCJB XII 10 15 38 49.7–.42 37.58N–.03 143.59E–.04 33 4.0b,2.8s
JMA XII 10 15 38 49.9–.10 37.60N 143.58E 55 4.1,2.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ38.00000°,λ-9.00000°. NP2:ϕ_s182.00000°,δ84.00000°,λ-128.00000°. $M_0$1.17000×10^{15}
IDC Error ellipse: s-maj=20.7km s-min=15.6km az=116.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=11.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 10 15 42 40.6–1.1 37.88N–.05 143.62E–.07 19 3.5b 40 2-62
IDC XII 10 15 42 37.8–1.2 37.74N 143.72E 0 3.6,3.5 **¶602390990**
ISCJB XII 10 15 42 39.1–.70 37.89N–.04 143.62E–.05 19 3.4b,3.5
JMA XII 10 15 42 41.3–.20 37.90N 143.52E 29 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=23.5km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.1km az=35.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 10 16 07 57.5–2.4 38.04N–.03 144.12E–.03 28–18 4.3b 60 2-73
NIED XII 10 16 07 00 38.00N 144.10E 5 4.0W **¶602052862**
IDC XII 10 16 07 52.3–.71 37.81N 144.40E 0 4.1,4.0
ISCJB XII 10 16 07 55.2–1.4 37.95N–.03 144.17E–.04 33–10 4.2b,3.0s
JMA XII 10 16 07 56.2–.10 37.95N 144.07E 40 4.0,3.0s
NEIC XII 10 16 07 57.2–.52 37.85N 144.24E 35 4.5b,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ20.00000°,λ-107.00000°. NP2:ϕ_s216.00000°,δ71.00000°,λ-84.00000°. $M_0$1.15000×10^{15}
IDC Error ellipse: s-maj=18.4km s-min=14.3km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.1km az=170.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.3km az=106.0.
ISC XII 10 16 11 01.0–1.3 37.9N–.10 144.0E–.20 35 3.8b 7 5-62
IDC XII 10 16 10 55.9–1.1 37.78N 144.14E 0 3.9,3.7 **¶602052863**
ISCJB XII 10 16 10 58.6–1.0 37.8N–.10 144.1E–.20 33 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 10 16 11 43.8–.84 37.89N–.05 144.12E–.08 35 4.0b 50 2-73
NIED XII 10 16 11 00 37.90N 144.00E 11 3.9W **¶602390992**
IDC XII 10 16 11 38.9–.22 37.76N 144.34E 0 4.2,4.0
ISCJB XII 10 16 11 41.2–.48 37.88N–.03 144.13E–.04 33 4.1b,4.0
JMA XII 10 16 11 42.8–.20 37.89N 144.04E 52 4.0,4.0
NEIC XII 10 16 11 43.6–.44 37.85N 144.21E 35 4.4b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ28.00000°,λ-95.00000°. NP2:ϕ_s193.00000°,δ62.00000°,λ-87.00000°. $M_0$9.09000×10^{14}
IDC Error ellipse: s-maj=4.5km s-min=2.8km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.5km az=175.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.1km az=113.0.
JMA XII 10 16 14 15.9–.20 37.97N 144.02E 35 3.6 ¶606069707
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 16 45 15.1–.98 37.95N–.05 143.83E–.08 35 4.0b 40 2-76
NIED XII 10 16 45 00 38.00N 143.80E 5 3.8W **¶602390994**
IDC XII 10 16 45 09.7–.92 37.82N 144.03E 0 4.1,4.0
ISCJB XII 10 16 45 12.8–.64 37.99N–.04 143.88E–.05 33 4.1b,4.0
JMA XII 10 16 45 13.0–.10 37.98N 143.84E 41 3.9,4.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ22.00000°,λ-96.00000°. NP2:ϕ_s207.00000°,δ68.00000°,λ-88.00000°. $M_0$6.44000×10^{14}
IDC Error ellipse: s-maj=22.5km s-min=18.2km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=137.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 16 48 01.8–2.3 37.89N–.08 143.9E–.10 20–24 3.9b 54 2-69
IDC XII 10 16 47 56.6–2.3 37.62N 144.15E 0 4.0,4.0 **¶602052864**
NEIC XII 10 16 47 59.1–4.0 37.82N 144.06E 9–23 4.7b,4.0
ISCJB XII 10 16 48 00.3–1.5 37.91N–.04 143.89E–.05 23–12 3.9b,4.0
NIED XII 10 16 48 00 37.90N 143.90E 5 3.7W,4.0
JMA XII 10 16 48 00.9–.10 37.86N 143.88E 39 3.9,4.0
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=23.0km az=150.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.6km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=6.2km az=136.1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ31.00000°,λ-84.00000°. NP2:ϕ_s23.00000°,δ60.00000°,λ-94.00000°. $M_0$4.47000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 10 18 08 49.0–1.6 37.63N–.06 143.59E–.10 35 20 2-58
IDC XII 10 18 08 37.6–3.3 38.58N 144.17E 0 3.9,3.8b **¶602391003**
ISCJB XII 10 18 08 47.8–1.1 37.62N–.05 143.60E–.09 33 3.7b,3.8b
JMA XII 10 18 08 48.7–.20 37.61N 143.52E 52 3.2,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=73.7km s-min=37.1km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.5km az=172.4.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 10 19 42 36.6–2.4 36.32N–.07 142.9E–.10 42–22 3.5b 28 2-49
ISCJB XII 10 19 42 35.9–1.2 36.33N–.05 142.88E–.08 52–11 3.5b **¶602391018**
IDC XII 10 19 42 36.1–5.0 37.19N 142.73E 0 3.5,3.5b
JMA XII 10 19 42 37.3–.20 36.32N 142.74E 51 3.4,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.8km az=17.1.
IDC Error ellipse: s-maj=118.4km s-min=26.6km az=161.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 21 28 28.1–1.1 38.05N–.05 144.04E–.08 35 44 2-73
IDC XII 10 21 28 23.7–1.2 37.92N 144.07E 0 3.7,3.7 **¶602391026**
ISCJB XII 10 21 28 25.3–.64 38.04N–.04 144.12E–.05 33 3.9s,3.7
JMA XII 10 21 28 27.0–.20 38.06N 143.99E 40 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=20.8km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=26.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 21 44 18.8–2.1 37.56N–.07 143.57E–.10 42–21 3.7b 22 2-58
IDC XII 10 21 44 12.7–1.4 37.41N 143.88E 0 3.8,3.6 **¶602391028**
ISCJB XII 10 21 44 16.0–1.0 37.50N–.04 143.61E–.06 38–13 3.5b,3.6
JMA XII 10 21 44 16.4–.20 37.51N 143.58E 46 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=25.3km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.2km az=17.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 22 01 10.1–1.0 37.49N–.10 143.67E–.10 35 3.6b 11 4-62
IDC XII 10 22 01 05.8–1.3 37.57N 143.71E 0 3.8,3.7 **¶602391029**
ISCJB XII 10 22 01 08.6–.90 37.58N–.10 143.56E–.09 33 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 10 22 08 04.2–.38 37.82N–.04 143.77E–.04 31–2 4.8b,4.6s 575 2-159
IDC XII 10 22 07 59.1–.41 37.65N 143.82E 0 4.8,4.8 **¶602034581**
ISCJB XII 10 22 08 00.8–.82 37.87N–.02 143.65E–.02 12–5 4.8b,4.5s
NIED XII 10 22 08 00 37.80N 143.60E 5 4.9W,4.5s
JMA XII 10 22 08 01.3–.20 37.77N 143.74E 50 4.9,4.5s
MOS XII 10 22 08 03.3–1.0 38.02N 143.66E 26 5.1b,4.4s
NEIC XII 10 22 08 04.9–.14 37.72N 143.69E 35 4.8b,4.4s
BJI XII 10 22 08 07.5 38.09N 143.21E 44 5.1b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=10.5km az=142.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=171.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s84.00000°,δ42.00000°,λ-28.00000°. NP2:ϕ_s195.00000°,δ72.00000°,λ-129.00000°. $M_0$2.36000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.2km az=106.4.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=162.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA XII 10 22 10 37.7–.20 37.93N 143.56E 46 3.5 ¶606069826
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 22 13 27.0–.98 37.54N–.05 143.65E–.08 35 3.6b 39 2-62
IDC XII 10 22 13 22.4–1.0 37.45N 143.87E 0 4.0L,3.9 **¶602391031**
ISCJB XII 10 22 13 24.8–.65 37.55N–.03 143.64E–.05 33 3.6b,3.9
JMA XII 10 22 13 24.9–.20 37.59N 143.65E 51 3.7,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=19.0km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.0km az=12.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 10 23 17 44.5–.61 37.78N–.05 143.69E–.06 35 4.2b 105 2-88
NIED XII 10 23 17 00 37.70N 143.80E 5 4.3W **¶602068753**
IDC XII 10 23 17 38.9–.64 37.63N 143.84E 0 4.3,4.1
JMA XII 10 23 17 41.1–.20 37.74N 143.77E 50 4.2,4.1
MOS XII 10 23 17 41.2–1.2 37.82N 143.71E 25 4.5b,4.1
ISCJB XII 10 23 17 42.3–.33 37.71N–.03 143.68E–.03 33 4.1b,4.1
NEIC XII 10 23 17 44.2–.31 37.67N 143.76E 35 4.3b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ24.00000°,λ-80.00000°. NP2:ϕ_s182.00000°,δ66.00000°,λ-95.00000°. $M_0$3.07000×10^{15}
IDC Error ellipse: s-maj=18.2km s-min=14.9km az=134.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=11.3km s-min=7.8km az=121.8.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=11.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.2km az=146.0.
ISC XII 10 23 49 37.5–1.5 38.02N–.07 143.93E–.09 35 21 2-62
ISCJB XII 10 23 49 35.4–.94 38.03N–.05 143.97E–.07 33 3.8b **¶602391042**
JMA XII 10 23 49 36.6–.20 37.98N 143.85E 42 3.2
IDC XII 10 23 49 41.6–10 36.77N 143.54E 0 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.3km az=169.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=231.8km s-min=48.6km az=29.0.
ISC XII 10 23 54 46.7–1.3 38.01N–.06 144.22E–.09 35 3.8b 32 2-58
IDC XII 10 23 54 41.5–2.7 37.84N 144.44E 0 3.8,3.7b **¶602391044**
ISCJB XII 10 23 54 44.6–.79 38.00N–.05 144.26E–.06 33 3.6b,3.7b
JMA XII 10 23 54 46.1–.20 37.95N 144.12E 41 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=69.6km s-min=31.5km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.2km az=42.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 01 12 21.0–1.3 37.55N–.06 143.64E–.08 35 3.4b 28 2-58
IDC XII 11 01 12 17.0–1.4 37.31N 143.96E 0 3.6,3.5L **¶602391049**
ISCJB XII 11 01 12 20.3–.88 37.56N–.05 143.61E–.07 33 3.4b,3.5L
JMA XII 11 01 12 20.5–.20 37.55N 143.57E 46 3.4,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=29.4km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.7km az=164.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 01 43 00.9–1.2 37.90N–.06 143.64E–.08 19 3.6b 31 2-58
IDC XII 11 01 42 58.0–1.5 37.68N 143.80E 0 3.8,3.6 **¶602391051**
ISCJB XII 11 01 43 00.7–.91 37.92N–.04 143.55E–.06 19 3.6b,3.6
NIED XII 11 01 43 00 37.90N 143.60E 20 3.6W,3.6
JMA XII 11 01 43 02.2–.20 37.88N 143.55E 48 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=27.6km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.8km az=32.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ53.00000°,λ-150.00000°. NP2:ϕ_s73.00000°,δ66.00000°,λ-41.00000°. $M_0$3.09000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 02 27 41.3–1.2 37.81N–.06 143.59E–.08 35 3.6b 30 2-58
IDC XII 11 02 27 36.5–1.4 37.57N 143.75E 0 3.8,3.6 **¶602391055**
ISCJB XII 11 02 27 39.9–.88 37.78N–.04 143.53E–.06 33 3.6b,3.6
JMA XII 11 02 27 39.7–.20 37.82N 143.55E 46 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=26.9km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=25.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 03 32 51.2–1.1 37.71N–.06 143.78E–.08 35 3.7b 26 2-58
IDC XII 11 03 32 47.0–1.4 37.60N 143.77E 0 3.9,3.8 **¶602391064**
ISCJB XII 11 03 32 49.6–.84 37.70N–.05 143.75E–.07 33 3.8b,3.8
JMA XII 11 03 32 50.4–.20 37.75N 143.70E 45 3.5,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=22.9km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.5km az=140.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 04 27 30.5–4.1 37.57N–.07 143.27E–.10 12–27 3.6b 21 2-62
NIED XII 11 04 27 00 37.60N 143.60E 5 3.5W **¶602391069**
IDC XII 11 04 27 28.4–2.1 37.17N 143.67E 0 3.9,3.9L
JMA XII 11 04 27 28.3–.20 37.62N 143.56E 51 3.5,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ29.00000°,λ-104.00000°. NP2:ϕ_s192.00000°,δ62.00000°,λ-82.00000°. $M_0$2.34000×10^{14}
IDC Error ellipse: s-maj=53.4km s-min=22.9km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 11 04 42 20.1–1.1 37.89N–.05 143.61E–.07 20–4 4.3b 87 2-154
NIED XII 11 04 42 00 37.90N 143.50E 5 4.0W **¶602330519**
IDC XII 11 04 42 16.8–.62 37.82N 143.72E 0 4.2,4.1
ISCJB XII 11 04 42 18.8–1.4 37.88N–.04 143.61E–.04 24–10 4.2b,4.1
NEIC XII 11 04 42 19.2–3.0 37.85N 143.75E 15–18 4.4b,4.1
JMA XII 11 04 42 20.5–.20 37.93N 143.53E 51 4.2,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ29.00000°,λ-94.00000°. NP2:ϕ_s196.00000°,δ61.00000°,λ-88.00000°. $M_0$1.21000×10^{15}
IDC Error ellipse: s-maj=17.3km s-min=15.0km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=150.5.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.0km az=113.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 04 48 05.4–.63 37.87N–.06 143.70E–.07 19 4.2b 65 2-88
NIED XII 11 04 48 00 37.90N 143.60E 8 3.9W **¶602330520**
IDC XII 11 04 48 03.0–.97 37.80N 143.68E 0 4.0,4.0
ISCJB XII 11 04 48 04.0–.41 37.89N–.04 143.63E–.04 19 4.1b,4.0
JMA XII 11 04 48 05.9–.30 37.95N 143.59E 46 4.0,4.0
NEIC XII 11 04 48 06.1–2.6 37.82N 143.72E 21–18 4.7b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ21.00000°,λ-141.00000°. NP2:ϕ_s230.00000°,δ77.00000°,λ-73.00000°. $M_0$8.47000×10^{14}
IDC Error ellipse: s-maj=23.4km s-min=17.6km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=149.7.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.1km az=117.0.
ISC XII 11 05 36 32.7–1.3 37.92N–.07 143.79E–.08 35 25 2-58
IDC XII 11 05 36 28.0–1.5 37.69N 144.00E 0 3.9,3.6b **¶602391072**
ISCJB XII 11 05 36 30.5–.92 37.85N–.06 143.83E–.07 33 3.7b,3.6b
JMA XII 11 05 36 31.1–.20 37.86N 143.78E 46 3.5,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=57.5km s-min=29.4km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.3km az=35.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 06 16 17.7–1.4 37.93N–.04 143.65E–.06 5–8 4.1b 80 2-88
NIED XII 11 06 16 00 38.00N 143.60E 8 4.0W **¶602355591**
IDC XII 11 06 16 16.6–1.2 37.78N 143.73E 0 4.1,3.9

ISCJB XII 11 06 16 18.5–1.3 37.92N–.03 143.59E–.04 20–10 3.9b,3.9
JMA XII 11 06 16 19.9–.10 37.96N 143.60E 47 4.0,3.9
NEIC XII 11 06 16 21.9–.38 37.82N 143.69E 35 4.2b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ19.00000°,λ-92.00000°. NP2:ϕ_s183.00000°,δ71.00000°,λ-89.00000°. $M_0$1.13000×10^{15}
IDC Error ellipse: s-maj=30.2km s-min=16.8km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.9km az=140.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=142.0.
ISC XII 11 06 22 18.0–1.2 37.91N–.04 143.64E–.08 35 34 2-58
NIED XII 11 06 22 00 37.90N 143.60E 5 3.9W **¶606069930**
IDC XII 11 06 22 13.7–1.5 37.71N 143.87E 0 4.0,3.9
ISCJB XII 11 06 22 16.2–.80 37.87N–.04 143.65E–.06 33 3.9b,3.9
JMA XII 11 06 22 16.8–.10 37.93N 143.64E 44 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ23.00000°,λ-127.00000°. NP2:ϕ_s214.00000°,δ72.00000°,λ-75.00000°. $M_0$7.61000×10^{14}
IDC Error ellipse: s-maj=39.4km s-min=25.8km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.3km az=175.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 11 10 11 10.3–1.1 37.92N–.06 144.24E–.08 35 3.6b 39 2-62
NIED XII 11 10 11 00 37.90N 144.10E 5 3.6W **¶602391083**
IDC XII 11 10 11 05.6–1.2 37.76N 144.36E 0 3.8,3.7
ISCJB XII 11 10 11 08.3–.69 37.92N–.04 144.26E–.05 33 3.7b,3.7
JMA XII 11 10 11 10.1–.10 37.89N 144.11E 50 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ30.00000°,λ-111.00000°. NP2:ϕ_s185.00000°,δ62.00000°,λ-79.00000°. $M_0$2.90000×10^{14}
IDC Error ellipse: s-maj=30.6km s-min=21.9km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=145.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 12 20 26.3–.75 37.90N–.05 143.82E–.07 35 4.0b 84 2-81
NIED XII 11 12 20 00 37.90N 143.80E 5 3.8W **¶602355589**
IDC XII 11 12 20 20.7–.95 37.77N 143.98E 0 3.9,3.9L
ISCJB XII 11 12 20 23.9–.36 37.86N–.03 143.85E–.03 33 3.9b,3.2s
JMA XII 11 12 20 24.0–.20 37.91N 143.84E 46 4.0,3.2s
NEIC XII 11 12 20 26.0–.37 37.83N 143.91E 35 4.4b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ44.00000°,λ-88.00000°. NP2:ϕ_s200.00000°,δ46.00000°,λ-92.00000°. $M_0$5.36000×10^{14}
IDC Error ellipse: s-maj=22.2km s-min=17.6km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=160.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=144.0.
ISC XII 11 13 09 53.9–1.4 37.85N–.06 144.0E–.10 35 3.3b 31 2-48
IDC XII 11 13 09 46.4–2.6 37.63N 144.73E 0 3.6,3.6 **¶602391092**
JMA XII 11 13 09 56.6–.20 37.91N 143.60E 52 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=26.8km az=138.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 13 48 27.9–1.1 37.82N–.05 143.58E–.07 19 3.5b 28 2-62
IDC XII 11 13 48 27.3–1.3 37.43N 144.00E 0 3.7,3.4L **¶602391094**
ISCJB XII 11 13 48 28.1–.86 37.71N–.05 143.57E–.07 19 3.5b,3.1s
JMA XII 11 13 48 29.9–.20 37.79N 143.58E 46 3.2,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=28.9km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=159.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 14 27 03.2–.96 37.82N–.05 143.74E–.09 35 3.6b 38 2-62
IDC XII 11 14 26 57.8–.93 37.70N 143.90E 0 3.9,3.7 **¶602391096**
ISCJB XII 11 14 27 00.6–.62 37.84N–.04 143.80E–.05 33 3.6b,3.7
JMA XII 11 14 27 01.2–.10 37.84N 143.77E 50 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=17.4km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=18.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 14 28 52.9–1.1 37.77N–.05 143.63E–.09 35 3.4b 38 2-62
IDC XII 11 14 28 47.8–1.1 37.60N 143.76E 0 3.7,3.6 **¶602391097**
ISCJB XII 11 14 28 50.6–.68 37.76N–.04 143.63E–.05 33 3.5b,3.6
JMA XII 11 14 28 51.7–.20 37.80N 143.57E 55 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=19.4km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.1km az=7.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 15 08 43.5–1.3 37.65N–.05 143.68E–.10 35 3.5b 40 2-85
IDC XII 11 15 08 38.3–1.6 37.55N 143.86E 0 3.8,3.8 **¶602391100**
ISCJB XII 11 15 08 41.1–.71 37.63N–.03 143.72E–.06 33 4.1s,3.6b
JMA XII 11 15 08 42.3–.20 37.66N 143.63E 56 3.4,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=20.8km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=6.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 15 40 06.0–.79 37.73N–.04 143.70E–.07 35 3.5b 60 2-76
NIED XII 11 15 40 00 37.80N 143.60E 8 3.7W **¶602391103**
IDC XII 11 15 40 00.6–.82 37.58N 143.88E 0 3.9L,3.8
ISCJB XII 11 15 40 03.3–.53 37.69N–.03 143.71E–.04 33 3.5b,3.8
JMA XII 11 15 40 04.4–.20 37.76N 143.65E 40 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ31.00000°,λ-94.00000°. NP2:ϕ_s235.00000°,δ59.00000°,λ-88.00000°. $M_0$3.82000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=17.3km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=176.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 15 58 59.8–.91 37.94N–.05 143.64E–.08 19 3.4b 42 2-62
IDC XII 11 15 58 56.9–.90 37.84N 143.75E 0 3.7,3.6 **¶602391105**
ISCJB XII 11 15 58 58.0–.60 37.91N–.03 143.61E–.05 19 3.6b,3.6
JMA XII 11 15 59 00.1–.20 37.94N 143.58E 45 3.6,3.6
NIED XII 11 15 59 00 37.90N 143.60E 5 3.7W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=17.3km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.9km az=14.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ30.00000°,λ-67.00000°. NP2:ϕ_s187.00000°,δ63.00000°,λ-103.00000°. $M_0$3.69000×10^{14}
ISC XII 11 16 13 32.0–3.5 38.06N–.06 143.55E–.07 1–22 3.8b 28 2-69
NIED XII 11 16 13 00 37.90N 143.60E 5 3.5W **¶602391106**
JMA XII 11 16 13 35.0–.10 37.94N 143.60E 47 3.5
IDC XII 11 16 13 36.6–1.1 38.83N 143.06E 0 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ37.00000°,λ-69.00000°. NP2:ϕ_s189.00000°,δ56.00000°,λ-105.00000°. $M_0$1.90000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=37.9km s-min=23.7km az=104.0.
ISC XII 11 16 59 04.7–1.2 37.78N–.05 143.59E–.08 35 3.3b 28 2-58
IDC XII 11 16 58 59.7–1.4 37.55N 144.06E 0 3.8,3.7 **¶602391107**
ISCJB XII 11 16 59 02.4–.81 37.74N–.04 143.63E–.06 33 3.4b,3.7
JMA XII 11 16 59 03.8–.20 37.81N 143.55E 50 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=23.3km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.3km az=16.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 17 00 56.7–1.1 37.81N–.06 143.82E–.07 35 3.4b 27 2-58
IDC XII 11 17 00 52.3–1.5 37.69N 143.86E 0 3.6,3.6L **¶602391108**
ISCJB XII 11 17 00 55.2–.88 37.85N–.05 143.80E–.07 33 3.3b,3.6L
JMA XII 11 17 00 55.1–.20 37.80N 143.76E 56 3.2,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=25.9km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.9km az=138.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 17 43 06.0–.83 37.88N–.05 143.59E–.08 19 3.6b 41 2-75
NIED XII 11 17 43 00 37.90N 143.60E 5 3.7W **¶602391111**
IDC XII 11 17 43 02.3–.82 37.75N 143.94E 0 3.8,3.7L
ISCJB XII 11 17 43 03.6–.57 37.89N–.04 143.63E–.05 19 3.7b,3.7L
JMA XII 11 17 43 05.6–.10 37.86N 143.55E 54 3.9,3.7L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ27.00000°,λ-75.00000°. NP2:ϕ_s187.00000°,δ64.00000°,λ-97.00000°. $M_0$4.61000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=16.3km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.6km az=150.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 11 18 03 39.1–1.1 37.82N–.06 143.80E–.08 35 3.5b 27 2-58
IDC XII 11 18 03 34.2–1.4 37.65N 144.04E 0 3.7,3.6 **¶602391112**
ISCJB XII 11 18 03 36.9–.88 37.87N–.05 143.81E–.06 33 3.5b,3.6
JMA XII 11 18 03 38.0–.20 37.76N 143.68E 59 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=26.2km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.0km az=41.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 18 21 36.5–.68 37.91N–.04 143.46E–.06 19 4.2b 56 2-81
NIED XII 11 18 21 00 37.90N 143.60E 8 3.8W **¶602340314**
IDC XII 11 18 21 33.6–.80 37.63N 143.91E 0 4.0,4.0L
ISCJB XII 11 18 21 35.0–.42 37.85N–.03 143.55E–.04 19 4.2b,4.0L
JMA XII 11 18 21 36.0–.10 37.90N 143.57E 45 3.8,4.0L
NEIC XII 11 18 21 38.5–.65 37.63N 143.83E 35 5.1b,4.0L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ33.00000°,λ-114.00000°. NP2:ϕ_s212.00000°,δ60.00000°,λ-75.00000°. $M_0$5.76000×10^{14}
IDC Error ellipse: s-maj=22.1km s-min=16.5km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=143.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.4km az=130.0.
JMA XII 11 20 17 14.6–.10 38.27N 143.62E 12 3.8
NIED XII 11 20 17 00 38.30N 143.60E 8 3.5W **¶603714030**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ43.00000°,λ-22.00000°. NP2:ϕ_s164.00000°,δ75.00000°,λ-131.00000°. $M_0$1.79000×10^{14}
ISC XII 11 21 15 44.7–1.3 37.87N–.06 143.83E–.08 35 3.5b 33 2-58
IDC XII 11 21 15 40.2–2.6 37.64N 143.99E 0 3.5,3.5L **¶602391122**
ISCJB XII 11 21 15 42.2–.83 37.87N–.04 143.87E–.06 33 3.4b,3.5L
JMA XII 11 21 15 43.2–.20 37.81N 143.78E 52 3.3,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=68.3km s-min=31.0km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.3km az=22.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 21 39 34.5–.99 37.76N–.05 143.74E–.08 35 3.9b 52 2-62
NIED XII 11 21 39 00 37.70N 143.70E 5 4.0W **¶602391124**
IDC XII 11 21 39 29.1–1.1 37.62N 143.96E 0 4.1,4.1L
ISCJB XII 11 21 39 31.6–.59 37.70N–.03 143.77E–.05 33 4.0s,3.9b
JMA XII 11 21 39 32.5–.20 37.74N 143.72E 54 4.0,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ34.00000°,λ-164.00000°. NP2:ϕ_s233.00000°,δ81.00000°,λ-57.00000°. $M_0$1.09000×10^{15}
IDC Error ellipse: s-maj=26.5km s-min=18.5km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=7.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 21 58 21.7–1.3 37.96N–.06 143.66E–.09 35 3.4b 26 2-58
IDC XII 11 21 58 16.7–2.5 37.90N 143.91E 0 3.5,3.4 **¶602391125**
ISCJB XII 11 21 58 20.5–.94 37.91N–.05 143.60E–.08 33 3.4b,2.9s
JMA XII 11 21 58 20.6–.20 37.96N 143.60E 50 3.2,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=66.8km s-min=29.1km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.8km az=21.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 11 23 12 20.0–.00 37.94N–.06 143.88E–.07 35 3.6b 41 2-62
NIED XII 11 23 12 00 37.90N 143.80E 8 3.6W **¶602391129**
IDC XII 11 23 12 15.2–1.1 37.77N 143.99E 0 3.8,3.8L
ISCJB XII 11 23 12 17.9–.65 37.87N–.04 143.88E–.05 33 3.6b,3.6s
JMA XII 11 23 12 18.8–.20 37.93N 143.80E 41 3.8,3.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ25.00000°,λ-93.00000°. NP2:ϕ_s208.00000°,δ65.00000°,λ-89.00000°. $M_0$3.12000×10^{14}
IDC Error ellipse: s-maj=26.7km s-min=19.9km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.9km az=141.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 02 27 09.8–1.1 37.99N–.05 144.21E–.07 35 3.6b 34 2-62
IDC XII 12 02 27 05.4–1.2 37.74N 144.31E 0 3.8,3.6 **¶602391141**
ISCJB XII 12 02 27 06.9–.76 37.97N–.04 144.27E–.06 33 3.7b,3.6
JMA XII 12 02 27 08.9–.20 37.90N 144.11E 42 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=25.2km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=169.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 04 17 58.1–1.4 37.78N–.06 143.44E–.08 19 26 2-74
NIED XII 12 04 17 00 37.80N 143.60E 11 3.9W **¶602391152**
IDC XII 12 04 17 54.4–2.1 37.68N 143.83E 0 4.0L,3.9
ISCJB XII 12 04 17 57.1–1.0 37.82N–.05 143.58E–.07 19 3.5b,3.0s
JMA XII 12 04 17 58.6–.10 37.76N 143.56E 51 4.0,3.0s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ72.00000°,λ-7.00000°. NP2:ϕ_s136.00000°,δ83.00000°,λ-162.00000°. $M_0$7.61000×10^{14}
IDC Error ellipse: s-maj=41.5km s-min=27.6km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.4km az=23.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 05 30 40.0–1.5 37.98N–.05 144.26E–.07 41–22 3.9b 18 2-62
NIED XII 12 05 30 00 38.00N 144.10E 5 3.5W **¶602391159**
IDC XII 12 05 30 35.2–2.4 37.86N 144.51E 0 3.9,3.8
JMA XII 12 05 30 40.0–.20 37.95N 144.11E 47 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ35.00000°,λ-70.00000°. NP2:ϕ_s148.00000°,δ57.00000°,λ-103.00000°. $M_0$2.31000×10^{14}
IDC Error ellipse: s-maj=69.2km s-min=26.1km az=63.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 05 44 26.8–1.6 37.87N–.07 143.61E–.08 19 21 2-58
ISCJB XII 12 05 44 25.9–1.1 37.79N–.06 143.67E–.08 19 3.5b **¶602391160**
JMA XII 12 05 44 27.0–.20 37.77N 143.69E 45 3.1
IDC XII 12 05 44 28.9–1.7 38.78N 142.92E 0 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.7km az=35.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=77.4km s-min=29.7km az=126.0.
ISC XII 12 06 41 03.0–1.0 33.85N–.06 141.62E–.06 32–6 4.3b,3.8s 145 1-88
NIED XII 12 06 40 00 33.80N 141.80E 5 4.2W,3.8s **¶602036431**
JMA XII 12 06 40 58.9–.40 33.80N 141.78E 37 4.3,3.8s
MOS XII 12 06 41 00.7–.94 33.81N 141.73E 35 4.5b,3.8s
ISCJB XII 12 06 41 00.5–1.2 33.82N–.03 141.66E–.05 32–8 4.3b,3.7s
IDC XII 12 06 41 02.6–5.2 33.83N 141.63E 33–39 4.0,4.0
NEIC XII 12 06 41 03.8–.59 33.87N 141.59E 42–5 4.5b,4.0
BJI XII 12 06 41 03.4 33.74N 141.57E 66 4.7b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ32.00000°,λ45.00000°. NP2:ϕ_s36.00000°,δ68.00000°,λ113.00000°. $M_0$2.54000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
MOS Error ellipse: s-maj=14.0km s-min=6.0km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=153.4.
IDC Error ellipse: s-maj=21.8km s-min=15.6km az=93.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=83.0.
ISC XII 12 07 51 07.2–1.2 38.25N–.06 143.93E–.07 23 3.6b 31 2-75
IDC XII 12 07 51 01.7–4.7 38.72N 142.39E 0 4.1,3.8b **¶602391168**
ISCJB XII 12 07 51 06.2–.82 38.32N–.05 143.94E–.05 23 3.8b,3.8b
JMA XII 12 07 51 07.5–.10 38.29N 143.84E 26 3.7,3.8b
ISC Event type ke.

IDC Error ellipse: s-maj=325.7km s-min=30.3km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.0km az=156.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 12 07 52 25.0–.20 37.95N 143.55E 38 3.7 ¶606070265
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 10 12 56.8–1.3 37.99N–.06 144.25E–.08 35 4.1b 36 2-58
NIED XII 12 10 12 00 37.90N 144.10E 5 3.4W **¶602391176**
IDC XII 12 10 12 52.0–2.7 37.85N 144.49E 0 3.9,3.8b
ISCJB XII 12 10 12 54.8–.76 38.02N–.04 144.28E–.06 33 3.8b,3.8b
JMA XII 12 10 12 56.2–.20 37.92N 144.12E 45 3.8,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ35.00000°,λ-82.00000°. NP2:ϕ_s190.00000°,δ56.00000°,λ-95.00000°. $M_0$1.65000×10^{14}
IDC Error ellipse: s-maj=69.2km s-min=32.5km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=23.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 11 58 51.1–3.3 37.61N–.06 143.6E–.10 6–23 30 2-62
JMA XII 12 11 58 55.9–.20 37.61N 143.50E 54 3.2 **¶602391183**
IDC XII 12 11 59 02.2–1.9 38.10N 142.65E 0 3.6,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=55.5km s-min=33.2km az=96.0.
ISC XII 12 12 37 43.2–1.4 37.65N–.05 143.66E–.08 35 28 2-62
IDC XII 12 12 37 39.2–2.0 37.59N 143.84E 0 3.6,3.5b **¶602391185**
ISCJB XII 12 12 37 41.8–.84 37.64N–.04 143.62E–.07 33 3.6b,3.5b
JMA XII 12 12 37 43.4–.20 37.66N 143.52E 46 3.1,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=33.3km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.4km az=175.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 12 12 51 21.2–.20 37.98N 143.79E 48 3.5
NIED XII 12 12 51 00 38.00N 143.80E 11 3.4W **¶603714236**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s297.00000°,δ29.00000°,λ-159.00000°. NP2:ϕ_s189.00000°,δ80.00000°,λ-62.00000°. $M_0$1.42000×10^{14}
ISC XII 12 16 47 01.8–1.7 37.16N–.07 143.7E–.10 35 3.4b 21 2-61
ISCJB XII 12 16 47 00.4–1.0 37.10N–.05 143.70E–.08 33 3.4b **¶602391195**
JMA XII 12 16 47 01.9–.10 37.20N 143.64E 71 2.9
IDC XII 12 16 47 02.0–3.5 36.35N 143.58E 0 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.3km az=179.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=94.8km s-min=32.4km az=53.0.
ISC XII 12 21 37 07.4–1.2 37.82N–.06 143.69E–.08 19 3.5b 30 2-58
IDC XII 12 21 37 04.8–1.4 37.61N 143.83E 0 3.5,3.3 **¶602391211**
ISCJB XII 12 21 37 07.3–.93 37.81N–.05 143.58E–.06 19 3.4b,3.3
JMA XII 12 21 37 09.0–.20 37.83N 143.58E 44 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=29.1km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.6km az=33.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 12 23 55 18.6–1.2 37.73N–.05 143.53E–.08 19 3.5b 29 2-62
ISCJB XII 12 23 55 17.6–.81 37.69N–.04 143.49E–.07 19 3.5b **¶602391216**
IDC XII 12 23 55 17.3–1.1 37.35N 143.88E 0 3.7,3.5
JMA XII 12 23 55 18.9–.20 37.72N 143.52E 46 3.4,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.1km az=16.6.
IDC Error ellipse: s-maj=29.8km s-min=21.5km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 13 04 02 22.2–1.1 37.65N–.07 143.62E–.09 35 3.6b 28 2-62
NIED XII 13 04 02 00 37.60N 143.60E 5 3.7W **¶602391229**
IDC XII 13 04 02 16.6–1.1 37.44N 143.85E 0 3.8,3.6
ISCJB XII 13 04 02 19.9–.79 37.61N–.05 143.63E–.06 33 3.6b,3.6
JMA XII 13 04 02 19.6–.10 37.60N 143.61E 55 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ19.00000°,λ-38.00000°. NP2:ϕ_s176.00000°,δ79.00000°,λ-105.00000°. $M_0$3.66000×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=21.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.6km az=147.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 13 06 15 28.9–.91 37.70N–.07 143.46E–.08 35 3.5b 26 2-76
IDC XII 13 06 15 23.6–.87 37.44N 143.84E 0 3.7,3.5 **¶602391235**
JMA XII 13 06 15 25.6–.10 37.70N 143.54E 52 3.1,3.5
ISCJB XII 13 06 15 26.3–.69 37.66N–.05 143.49E–.06 33 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 13 10 10 05.3–1.3 38.13N–.06 144.00E–.08 35 3.7b 38 2-58
NIED XII 13 10 10 00 38.10N 143.90E 5 3.5W **¶602391255**
IDC XII 13 10 10 00.5–2.2 38.09N 144.18E 0 3.7,3.7b
ISCJB XII 13 10 10 04.0–.78 38.17N–.04 143.98E–.06 33 3.6b,3.7b
JMA XII 13 10 10 05.2–.10 38.12N 143.87E 43 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ19.00000°,λ-98.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ-87.00000°. $M_0$1.83000×10^{14}
IDC Error ellipse: s-maj=56.5km s-min=27.2km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=33.9.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 13 11 34 38.4–1.1 37.76N–.05 143.39E–.09 19 3.5b 37 2-62
ISCJB XII 13 11 34 35.5–.69 37.73N–.04 143.46E–.05 19 3.5b **¶602391260**
IDC XII 13 11 34 35.6–1.1 37.44N 143.86E 0 4.0L,3.7
JMA XII 13 11 34 37.4–.20 37.79N 143.46E 47 3.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=0.1.
IDC Error ellipse: s-maj=29.8km s-min=21.1km az=89.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 13 17 19 36.7–2.5 37.93N–.09 143.8E–.20 38–6 3.5b 24 2-62
IDC XII 13 17 19 32.0–2.0 37.70N 144.22E 0 3.5,3.4 **¶602391275**
ISCJB XII 13 17 19 35.6–1.4 37.93N–.06 143.76E–.10 56–18 3.5b,3.4
JMA XII 13 17 19 35.6–.20 37.91N 143.74E 46 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=26.7km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.5km az=30.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 13 18 27 47.9–1.3 38.16N–.06 144.15E–.10 35 3.5b 30 2-62
NIED XII 13 18 27 00 38.20N 144.10E 5 3.7W **¶602391276**
IDC XII 13 18 27 43.0–1.6 38.04N 144.30E 0 3.6,3.6
ISCJB XII 13 18 27 45.3–.76 38.12N–.05 144.25E–.06 33 3.5b,3.6
JMA XII 13 18 27 46.8–.20 38.17N 144.13E 42 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ30.00000°,λ-106.00000°. NP2:ϕ_s221.00000°,δ61.00000°,λ-81.00000°. $M_0$3.43000×10^{14}
IDC Error ellipse: s-maj=37.8km s-min=21.9km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.3km az=144.0.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC XII 14 01 11 16.3–.68 37.57N–.04 143.59E–.07 35 4.1b 85 2-150
NIED XII 14 01 11 00 37.60N 143.50E 5 3.9W **¶602064841**
IDC XII 14 01 11 10.9–.78 37.43N 143.79E 0 4.1,4.1L
ISCJB XII 14 01 11 13.8–.41 37.55N–.03 143.58E–.04 33 4.1b,4.1L
JMA XII 14 01 11 14.3–.20 37.58N 143.55E 54 4.0,4.1L
NEIC XII 14 01 11 16.0–.44 37.38N 143.75E 35 4.3b,4.1L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ35.00000°,λ-148.00000°. NP2:ϕ_s223.00000°,δ72.00000°,λ-59.00000°. $M_0$6.77000×10^{14}
IDC Error ellipse: s-maj=21.4km s-min=16.3km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=136.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.6km az=132.0.
ISC XII 14 01 22 04.4–.30 37.51N–.03 143.68E–.04 32–1 4.9b,4.2s 624 2-159
IDC XII 14 01 21 59.4–.41 37.48N 143.69E 0 4.7,4.6 **¶602043462**
ISCJB XII 14 01 22 00.4–.74 37.54N–.02 143.56E–.02 13–4 4.8b,4.2s
NIED XII 14 01 22 00 37.60N 143.60E 5 4.8W,4.2s
JMA XII 14 01 22 02.2–.20 37.59N 143.58E 45 4.8,4.2s
BJI XII 14 01 22 03.4 37.73N 143.60E 35 5.1b,4.8b
NEIC XII 14 01 22 05.0–.32 37.47N 143.57E 38–2 4.9b,4.8b
MOS XII 14 01 22 05.5–.99 37.84N 143.50E 42 5.0b,4.8b
GCMT XII 14 01 22 05.1–.30 37.58N–.03 143.66E–.02 16–0 4.9W,4.8b
ISC Event type se.
ISCJB Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ36.00000°,λ-121.00000°. NP2:ϕ_s208.00000°,δ60.00000°,λ-70.00000°. $M_0$2.11000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c32; s91,c140;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.05±.17 $M_{\theta\theta}$0.10±.10; $M_{\phi\phi}$2.95±.11; $M_{r\theta}$0.23±.36; $M_{\theta\phi}$0.74±.06; $M_{\phi r}$-0.46±.28; Best double couple: NP1:ϕ_s8.00000°,δ49.00000°,λ-98.00000°. NP2:ϕ_s200.00000°,δ42.00000°,λ-81.00000°. Principal axes: T 3.1550,Plg4.0000° ,Azm103.0000°; N -0.0450,Plg6.0000°,Azm13.0000°; P -3.1110,Plg83.0000°,Azm224.0000° $M_0$3.13300×10^{16}
ISC XII 14 05 01 59.6–.65 37.61N–.04 143.61E–.06 35 4.0b 62 2-75
NIED XII 14 05 01 00 37.60N 143.60E 5 3.9W **¶602060856**
IDC XII 14 05 01 54.4–.84 37.50N 143.73E 0 3.9,3.8
ISCJB XII 14 05 01 57.4–.42 37.59N–.03 143.59E–.04 33 4.0b,3.8
JMA XII 14 05 01 57.5–.20 37.60N 143.57E 46 3.7,3.8
NEIC XII 14 05 01 59.4–.41 37.55N 143.70E 35 4.5b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ40.00000°,λ-82.00000°. NP2:ϕ_s191.00000°,δ50.00000°,λ-97.00000°. $M_0$7.07000×10^{14}
IDC Error ellipse: s-maj=23.4km s-min=18.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.2km az=26.1.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.5km az=95.0.
ISC XII 14 05 07 05.7–.45 37.63N–.04 143.59E–.05 35 4.4b 173 2-150
IDC XII 14 05 06 59.7–.63 37.52N 143.71E 0 4.4,4.2 **¶602043486**
NIED XII 14 05 07 00 37.60N 143.60E 5 4.3W,4.2
BJI XII 14 05 07 01.7 37.67N 143.85E 31 5.0b,4.5b
JMA XII 14 05 07 02.7–.20 37.61N 143.56E 45 4.6,4.5b
ISCJB XII 14 05 07 03.8–.26 37.60N–.03 143.53E–.03 33 4.4s,4.4b
MOS XII 14 05 07 03.8–.78 37.49N 143.63E 39 4.6b,4.4b
NEIC XII 14 05 07 05.5–1.6 37.56N 143.65E 35–11 4.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=15.6km az=175.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ36.00000°,λ-100.00000°. NP2:ϕ_s208.00000°,δ54.00000°,λ-83.00000°. $M_0$2.76000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=157.8.
MOS Error ellipse: s-maj=10.2km s-min=7.6km az=129.7.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.6km az=123.0.
ISC XII 14 05 17 07.2–.59 37.66N–.05 143.60E–.06 35 4.1b 104 2-146
NIED XII 14 05 17 00 37.60N 143.60E 5 4.1W **¶602060854**
IDC XII 14 05 17 01.6–.71 37.48N 143.69E 0 4.1,4.0
NEIC XII 14 05 17 04.8–3.4 37.53N 143.69E 18–20 4.4b,4.0
JMA XII 14 05 17 04.0–.20 37.59N 143.56E 38 4.1,4.0
MOS XII 14 05 17 04.3–1.3 37.64N 143.79E 33 4.3b,4.0
ISCJB XII 14 05 17 05.1–.34 37.61N–.03 143.54E–.03 33 4.1b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ37.00000°,λ-89.00000°. NP2:ϕ_s199.00000°,δ53.00000°,λ-91.00000°. $M_0$1.88000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC XII 14 05 31 10.6–1.5 37.59N–.05 143.6E–.10 35 3.8b 29 2-58
IDC XII 14 05 31 05.1–2.7 37.63N 143.93E 0 3.7,3.6 **¶602391302**
ISCJB XII 14 05 31 09.7–.96 37.57N–.04 143.52E–.07 33 3.6b,3.6
JMA XII 14 05 31 09.9–.20 37.62N 143.54E 53 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=69.6km s-min=31.8km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.5km az=177.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 14 06 25 18.4–.53 37.58N–.04 143.53E–.07 35 4.0b 81 2-146
NIED XII 14 06 25 00 37.60N 143.60E 5 4.0W **¶602060853**
IDC XII 14 06 25 12.6–.68 37.49N 143.69E 0 4.0,3.9
JMA XII 14 06 25 15.4–.20 37.62N 143.60E 42 3.7,3.9
ISCJB XII 14 06 25 16.2–.32 37.53N–.03 143.53E–.03 33 4.1b,3.1s
NEIC XII 14 06 25 18.7–.88 37.53N 143.62E 37–8 4.3b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ35.00000°,λ-108.00000°. NP2:ϕ_s215.00000°,δ57.00000°,λ-78.00000°. $M_0$1.07000×10^{15}
IDC Error ellipse: s-maj=20.2km s-min=15.6km az=114.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=163.7.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=115.0.
ISC XII 14 10 34 36.0–1.3 37.66N–.05 143.6E–.10 35 3.7b 37 2-62
NIED XII 14 10 34 00 37.70N 143.50E 5 3.8W **¶602391311**
IDC XII 14 10 34 31.8–1.5 37.52N 143.64E 0 4.0,3.9
ISCJB XII 14 10 34 34.9–.75 37.63N–.03 143.50E–.06 33 3.8b,3.9
JMA XII 14 10 34 34.8–.20 37.71N 143.53E 52 3.8,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ25.00000°,λ-119.00000°. NP2:ϕ_s206.00000°,δ69.00000°,λ-77.00000°. $M_0$5.53000×10^{14}
IDC Error ellipse: s-maj=36.2km s-min=19.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=174.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 14 11 19 07.6–3.3 37.62N–.03 143.62E–.05 31–25 3.8b 29 2-74
IDC XII 14 11 19 03.9–.95 37.50N 143.68E 0 3.9,3.7 **¶602391316**
JMA XII 14 11 19 07.1–.20 37.61N 143.56E 52 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=19.6km az=103.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 14 14 37 52.1–.62 38.27N–.05 143.83E–.06 14 4.0b 82 2-89
NIED XII 14 14 37 00 38.30N 143.70E 5 4.0W **¶602216192**
IDC XII 14 14 37 49.2–.66 38.12N 144.05E 0 4.1,4.0
ISCJB XII 14 14 37 50.4–.39 38.23N–.03 143.77E–.03 14 4.0b,3.8s
JMA XII 14 14 37 52.5–.10 38.29N 143.73E 37 4.1,3.8s
NEIC XII 14 14 37 54.5–.50 38.12N 143.87E 35 4.5b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s79.00000°,δ51.00000°,λ-16.00000°. NP2:ϕ_s179.00000°,δ78.00000°,λ-140.00000°. $M_0$1.07000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=14.6km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=156.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.7km az=132.0.
ISC XII 14 17 37 12.5–.64 38.06N–.05 144.36E–.06 35 4.1b 55 2-75
IDC XII 14 17 37 07.8–.82 37.93N 144.37E 0 3.8,3.8L **¶602355610**
ISCJB XII 14 17 37 10.1–.43 37.98N–.04 144.32E–.05 33 4.2b,3.8L
JMA XII 14 17 37 11.5–.30 38.14N 144.19E 45 3.9,3.8L
NEIC XII 14 17 37 12.7–.40 37.93N 144.32E 35 4.7b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=17.5km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=159.5.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.1km az=111.0.
ISC XII 14 21 55 55.4–1.4 37.98N–.05 143.6E–.10 19 3.7b 35 2-58
NIED XII 14 21 55 00 38.00N 143.60E 8 3.7W **¶602391348**
ISCJB XII 14 21 55 51.5–.93 37.99N–.04 143.67E–.07 19 3.7b
IDC XII 14 21 55 53.4–1.9 37.50N 143.66E 0 3.8,3.8b
JMA XII 14 21 55 53.8–.20 38.02N 143.62E 41 3.5,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ28.00000°,λ-100.00000°. NP2:ϕ_s205.00000°,δ63.00000°,λ-85.00000°. $M_0$3.48000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=1.2.
IDC Error ellipse: s-maj=38.8km s-min=23.2km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC XII 14 23 41 20.6–1.2 37.87N–.05 143.83E–.08 35 3.5b 33 2-58
IDC XII 14 23 41 15.8–2.6 37.79N 144.07E 0 3.7,3.7L **¶602391352**
ISCJB XII 14 23 41 19.1–.85 37.87N–.04 143.76E–.07 33 3.5b,3.7L
JMA XII 14 23 41 19.3–.20 37.89N 143.74E 47 3.4,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=66.8km s-min=28.9km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=179.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 07 15 31.9–1.9 37.87N–.05 143.5E–.10 43–32 3.6b 21 2-62
IDC XII 15 07 15 27.2–1.2 37.48N 143.98E 0 4.2,4.2s **¶602391368**
ISCJB XII 15 07 15 29.6–1.0 37.75N–.04 143.49E–.07 43–13 4.2s,3.6b
JMA XII 15 07 15 29.9–.20 37.81N 143.50E 52 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=25.0km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.8km az=13.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 08 19 59.9–.97 37.91N–.04 143.63E–.07 19 3.7b 31 2-62
ISCJB XII 15 08 19 58.0–.72 37.86N–.04 143.59E–.06 19 3.8s,3.5b **¶602391372**
IDC XII 15 08 19 57.2–1.2 37.70N 143.91E 0 3.8,3.8s
JMA XII 15 08 20 00.3–.10 37.93N 143.59E 47 3.5,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=168.4.
IDC Error ellipse: s-maj=36.2km s-min=22.2km az=128.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 15 10 54 00.8–.20 37.94N 143.97E 33 2.8
¶602043719
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 15 10 55 23.9–.40 37.72N–.03 143.85E–.04 32–2 4.9b,4.0s 517 2-153
NIED XII 15 10 55 00 37.70N 143.60E 8 4.7W,4.0s **¶606073641**
ISCJB XII 15 10 55 19.5–.80 37.83N–.02 143.67E–.02 4–4 4.8b,4.1s
IDC XII 15 10 55 19.0–.38 37.63N 143.81E 0 4.8,4.7
NEIC XII 15 10 55 22.6–2.1 37.62N 143.73E 20–13 4.8b,4.7
JMA XII 15 10 55 22.1–.20 37.70N 143.67E 53 4.7,4.7
BJI XII 15 10 55 23.3 37.91N 143.56E 38 5.1b,5.0b
MOS XII 15 10 55 24.6–1.2 38.09N 143.66E 31 5.0b,5.0b
GCMT XII 15 10 55 24.6–.50 37.85N–.04 143.72E–.04 18–1 4.8W,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ22.00000°,λ-108.00000°. NP2:ϕ_s203.00000°,δ69.00000°,λ-83.00000°. $M_0$1.25000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Miyagi.
JMA Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s59,c82;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49±.14 $M_{\theta\theta}$0.06±.08; $M_{\phi\phi}$1.43±.10; $M_{r\theta}$0.65±.23; $M_{\theta\phi}$0.37±.05; $M_{\phi r}$0.87±.19; Best double couple: NP1:ϕ_s207.00000°,δ63.00000°,λ-78.00000°. NP2:ϕ_s2.00000°,δ29.00000°,λ-112.00000°. Principal axes: T 1.8360,Plg17.0000°,Azm288.0000°; N 0.0460,Plg11.0000°,Azm21.0000°; P -1.8790,Plg70.0000°,Azm142.0000° $M_0$1.85800×10^{16}
ISC XII 15 11 23 40.1–.82 37.74N–.05 143.78E–.07 35 3.7b 39 2-76
NIED XII 15 11 23 00 37.70N 143.70E 5 3.9W **¶602391381**
IDC XII 15 11 23 35.4–.80 37.61N 143.84E 0 3.9,3.8
ISCJB XII 15 11 23 37.7–.59 37.68N–.04 143.76E–.05 33 3.7b,3.8
JMA XII 15 11 23 38.0–.30 37.70N 143.72E 54 3.7,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ19.00000°,λ-93.00000°. NP2:ϕ_s192.00000°,δ71.00000°,λ-89.00000°. $M_0$7.71000×10^{14}
IDC Error ellipse: s-maj=19.4km s-min=16.6km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=31.4.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISC XII 15 13 20 29.6–1.3 37.53N–.05 143.49E–.09 35 3.5b 32 2-62
IDC XII 15 13 20 25.5–1.8 37.40N 143.70E 0 3.6,3.6 **¶602391387**
ISCJB XII 15 13 20 27.5–.75 37.51N–.03 143.45E–.06 33 3.5b,3.6
JMA XII 15 13 20 28.9–.20 37.54N 143.35E 52 3.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=22.2km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=11.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 17 56 28.2–2.9 37.85N–.08 143.42E–.06 11–19 3.3b 24 2-62
IDC XII 15 17 56 25.3–1.1 37.44N 143.93E 0 3.6L,3.5 **¶602391399**
JMA XII 15 17 56 28.3–.20 37.81N 143.46E 48 3.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=22.6km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 19 12 46.3–2.9 37.9N–.10 143.6E–.40 37–11 3.4b 26 2-62
IDC XII 15 19 12 41.4–1.2 37.57N 144.00E 0 3.5,3.3 **¶602391406**
JMA XII 15 19 12 44.9–.10 37.86N 143.61E 44 3.2,3.3
ISCJB XII 15 19 12 45.3–1.3 37.86N–.05 143.61E–.09 43–14 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC XII 15 19 40 22.1–1.1 37.69N–.05 143.53E–.09 35 3.9b 35 2-62
IDC XII 15 19 40 16.9–1.1 37.53N 143.68E 0 4.0,4.0 **¶602391409**
ISCJB XII 15 19 40 19.6–.72 37.63N–.04 143.57E–.06 33 3.9b,4.0
JMA XII 15 19 40 19.5–.20 37.69N 143.60E 43 3.8,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=19.0km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=6.3km az=3.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 21 23 43.9–.52 37.64N–.04 143.83E–.04 28–3 4.7b 370 2-153
NIED XII 15 21 23 00 37.70N 143.60E 5 4.6W **¶602043769**
IDC XII 15 21 23 39.8–.41 37.63N 143.82E 0 4.6,4.5
ISCJB XII 15 21 23 40.1–.94 37.66N–.02 143.71E–.03 15–6 4.7b,3.8s
BJI XII 15 21 23 42.8 37.68N 143.76E 32 5.0b,4.7b
JMA XII 15 21 23 43.6–.20 37.71N 143.63E 55 4.7,4.7b
MOS XII 15 21 23 44.8–.98 37.97N 143.66E 33 4.9b,4.7b
NEIC XII 15 21 23 45.1–.14 37.62N 143.73E 35 4.8b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ25.00000°,λ-84.00000°. NP2:ϕ_s303.00000°,δ66.00000°,λ-93.00000°. $M_0$9.35000×10^{15}
IDC Error ellipse: s-maj=12.2km s-min=10.5km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=154.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=100.5.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.7km az=148.0.
ISC XII 15 22 10 29.4–1.2 37.56N–.06 143.44E–.08 35 3.5b 23 2-62
IDC XII 15 22 10 25.6–1.2 37.25N 143.73E 0 3.6,3.4 **¶602391424**
ISCJB XII 15 22 10 27.5–.86 37.50N–.05 143.43E–.06 33 3.5b,3.4
JMA XII 15 22 10 28.1–.20 37.52N 143.39E 58 3.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=26.8km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.9km az=170.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 15 23 02 32.9–1.4 37.69N–.06 143.76E–.09 35 29 2-58
IDC XII 15 23 02 28.0–2.3 37.70N 143.96E 0 3.7,3.6b **¶602391426**
ISCJB XII 15 23 02 31.6–.93 37.65N–.05 143.72E–.07 33 3.5b,3.6b
JMA XII 15 23 02 32.8–.20 37.67N 143.64E 49 3.1,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=30.7km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.4km az=16.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 16 06 09 15.5–1.1 37.52N–.05 143.53E–.08 35 3.7b 36 2-63
NIED XII 16 06 09 00 37.50N 143.40E 5 3.7W **¶602391449**
IDC XII 16 06 09 11.7–.90 37.30N 143.67E 0 3.9,3.8
ISCJB XII 16 06 09 14.5–.60 37.44N–.04 143.46E–.05 33 3.7b,3.8
JMA XII 16 06 09 15.2–.20 37.50N 143.38E 47 3.5,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ19.00000°,λ-110.00000°. NP2:ϕ_s200.00000°,δ72.00000°,λ-83.00000°. $M_0$4.36000×10^{14}
IDC Error ellipse: s-maj=23.2km s-min=17.5km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=34.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC XII 16 06 31 14.7–1.1 37.83N–.05 143.48E–.09 19 3.6b 34 2-58
IDC XII 16 06 31 11.1–1.2 37.68N 143.91E 0 3.8,3.7 **¶602391451**
ISCJB XII 16 06 31 12.9–.78 37.81N–.04 143.48E–.06 19 3.6b,3.7
JMA XII 16 06 31 15.8–.20 37.91N 143.41E 47 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=22.4km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.9km az=21.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 16 07 52 17.5–.78 40.51N–.05 143.89E–.07 16 3.9b 51 2-67
NIED XII 16 07 52 00 40.50N 143.80E 11 3.8W **¶602391457**
IDC XII 16 07 52 16.0–.82 40.54N 143.80E 0 3.8,3.8
ISCJB XII 16 07 52 16.3–.52 40.55N–.03 143.83E–.06 16 3.7b,3.8
JMA XII 16 07 52 18.2–.10 40.54N 143.80E 44 3.7,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s146.00000°,δ39.00000°,λ18.00000°. NP2:ϕ_s42.00000°,δ79.00000°,λ127.00000°. $M_0$6.64000×10^{14}
IDC Error ellipse: s-maj=20.5km s-min=15.7km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.1km az=24.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA XII 16 10 34 52.0–.20 37.77N 143.53E 55 3.5
¶606074019
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 16 11 11 51.6–1.3 38.09N–.05 143.75E–.08 35 31 2-62
ISCJB XII 16 11 11 49.9–.81 38.12N–.04 143.77E–.06 33 3.5b **¶602391460**
IDC XII 16 11 11 49.4–8.4 37.68N 143.92E 0 3.5,3.3b
JMA XII 16 11 11 51.2–.10 38.10N 143.64E 39 3.3,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=6.1.
IDC Error ellipse: s-maj=176.2km s-min=39.5km az=12.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 16 17 18 34.2–.20 38.07N 144.33E 43 4.0
¶606074185
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 16 18 08 11.6–.20 38.20N 143.89E 42 3.6
¶606074194
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 16 19 09 27.9–.96 37.27N–.04 143.47E–.08 35 3.6b 41 2-79
NIED XII 16 19 09 00 37.30N 143.40E 8 3.7W **¶602391486**
IDC XII 16 19 09 23.1–1.1 37.09N 143.73E 0 3.8,3.8L
ISCJB XII 16 19 09 26.2–.73 37.28N–.03 143.39E–.05 33 4.2s,3.6b
JMA XII 16 19 09 26.7–.10 37.32N 143.37E 46 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ33.00000°,λ-86.00000°. NP2:ϕ_s203.00000°,δ57.00000°,λ-92.00000°. $M_0$3.75000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=19.3km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=1.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 16 20 27 58.8–.99 37.28N–.04 143.76E–.06 27–6 4.4b 176 2-145
NIED XII 16 20 27 00 37.30N 143.60E 8 4.2W **¶602043827**
IDC XII 16 20 27 54.9–.47 37.23N 143.85E 0 4.4,4.3
MOS XII 16 20 27 56.5–1.1 37.24N 143.77E 19 4.5b,4.3
JMA XII 16 20 27 58.8–.10 37.31N 143.62E 49 4.6,4.3
ISCJB XII 16 20 27 58.0–1.1 37.28N–.03 143.62E–.03 27–8 4.3b,3.7s
NEIC XII 16 20 27 58.6–2.1 37.19N 143.80E 25–14 4.5b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ41.00000°,λ-79.00000°. NP2:ϕ_s197.00000°,δ50.00000°,λ-99.00000°. $M_0$2.20000×10^{15}
IDC Error ellipse: s-maj=15.1km s-min=12.4km az=111.0.
MOS Error ellipse: s-maj=9.6km s-min=6.5km az=118.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.2km az=155.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=108.0.
ISC XII 17 07 25 20.1–1.1 37.01N–.05 143.57E–.08 35 3.4b 39 2-61
NIED XII 17 07 25 00 37.00N 143.50E 5 3.6W **¶602391526**
IDC XII 17 07 25 15.8–1.4 36.88N 143.54E 0 3.7,3.4L
ISCJB XII 17 07 25 19.0–.73 36.98N–.04 143.50E–.05 33 3.5b,3.4L
JMA XII 17 07 25 20.0–.10 37.01N 143.45E 49 3.6,3.4L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ24.00000°,λ-76.00000°. NP2:ϕ_s185.00000°,δ67.00000°,λ-96.00000°. $M_0$2.54000×10^{14}
IDC Error ellipse: s-maj=31.1km s-min=29.3km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.5km az=32.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 17 13 13 09.4–.66 37.75N–.06 143.86E–.06 35 4.3b 108 2-76
NIED XII 17 13 13 00 37.80N 143.80E 5 3.8W **¶602047000**
IDC XII 17 13 13 05.6–.84 37.65N 143.77E 0 4.1,4.1L
MOS XII 17 13 13 06.6–1.2 37.78N 144.07E 31 4.4b,4.1L
JMA XII 17 13 13 07.6–.20 37.75N 143.75E 53 4.2,4.1L
ISCJB XII 17 13 13 07.8–.38 37.73N–.03 143.75E–.04 33 4.3b,4.0s
NEIC XII 17 13 13 10.6–.57 37.74N 143.72E 35 4.5b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ25.00000°,λ10.00000°. NP2:ϕ_s19.00000°,δ86.00000°,λ115.00000°. $M_0$6.49000×10^{14}
IDC Error ellipse: s-maj=19.8km s-min=16.4km az=89.0.
MOS Error ellipse: s-maj=10.9km s-min=6.2km az=105.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=44.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.9km az=109.0.
ISC XII 17 15 27 24.1–.76 37.75N–.06 143.68E–.07 35 4.1b 45 2-76
NIED XII 17 15 27 00 37.70N 143.70E 5 4.0W **¶602216202**
IDC XII 17 15 27 19.0–.77 37.56N 143.99E 0 4.0,3.8L
ISCJB XII 17 15 27 21.7–.47 37.71N–.04 143.74E–.05 33 4.0b,3.8L
JMA XII 17 15 27 21.9–.20 37.72N 143.68E 46 3.7,3.8L
NEIC XII 17 15 27 23.8–.49 37.63N 143.85E 35 4.5b,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ28.00000°,λ-105.00000°. NP2:ϕ_s203.00000°,δ63.00000°,λ-82.00000°. $M_0$9.68000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=17.4km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=36.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.3km az=126.0.
ISC XII 17 16 47 37.4–1.1 38.00N–.07 143.83E–.08 35 3.5b 29 2-62
NIED XII 17 16 47 00 38.00N 143.80E 5 3.5W **¶602391553**
IDC XII 17 16 47 31.9–1.2 37.90N 144.05E 0 3.6,3.5L
ISCJB XII 17 16 47 35.0–.77 38.02N–.05 143.89E–.06 33 3.5b,3.5L
JMA XII 17 16 47 35.3–.10 37.98N 143.82E 38 3.6,3.5L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ41.00000°,λ-68.00000°. NP2:ϕ_s190.00000°,δ52.00000°,λ-108.00000°. $M_0$1.73000×10^{14}
IDC Error ellipse: s-maj=32.6km s-min=22.0km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.3km az=25.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 17 18 15 34.5–1.4 37.99N–.06 143.71E–.09 35 3.5b 25 2-62
ISCJB XII 17 18 15 32.9–.95 37.94N–.05 143.71E–.07 33 3.4b **¶602391563**
JMA XII 17 18 15 33.4–.10 37.99N 143.68E 44 3.4
IDC XII 17 18 15 33.0–2.6 37.51N 143.70E 0 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.1km az=151.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=56.7km s-min=33.2km az=40.0.
ISC XII 17 22 52 20.7–.56 37.80N–.04 143.64E–.04 29–3 4.9b,4.3s 388 2-153
NIED XII 17 22 52 00 37.80N 143.60E 5 4.8W,4.3s **¶603716436**
IDC XII 17 22 52 15.8–.45 37.71N 143.62E 0 4.7,4.7
JMA XII 17 22 52 17.9–.20 37.80N 143.62E 46 4.7,4.7
NEIC XII 17 22 52 19.6–1.6 37.73N 143.57E 21–11 5.0b,4.7
MOS XII 17 22 52 19.5–1.4 37.96N 143.54E 28 5.0b,4.7
GCMT XII 17 22 52 19.6–.50 37.83N–.02 143.70E–.03 14–2 4.8W,4.7
ISCJB XII 17 22 52 20.6–.17 37.78N–.02 143.45E–.02 39 4.8b,4.3s
BJI XII 17 22 52 21.9 38.09N 143.42E 44 5.0b,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ50.00000°,λ-180.00000°. NP2:ϕ_s238.00000°,δ90.00000°,λ-40.00000°. $M_0$1.82000×10^{16}

IDC Error ellipse: s-maj=12.8km s-min=10.8km az=120.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=135.0.
MOS Error ellipse: s-maj=7.3km s-min=4.7km az=104.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s79,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.12 $M_{\theta\theta}$-1.50±.09; $M_{\phi\phi}$2.12±.12; $M_{r\theta}$0.23±.20; $M_{\theta\phi}$1.16±.08; $M_{\phi r}$0.20±.19; Best double couple: NP1:ϕ_s241.00000°,δ88.00000°,λ-9.00000°. NP2:ϕ_s331.00000°,δ81.00000°,λ-178.00000°. Principal axes: T 2.4820,Plg5.0000° ,Azm287.0000°; N -0.6180,Plg81.0000°,Azm49.0000°; P -1.8620,Plg8.0000°,Azm196.0000° $M_0$2.17200×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=164.5.

ISC	**XII**	**18 07 17 42.2–1.4**	**37.67N–.06**	**143.67E–.09**	**35**		**29**	**2-62**	
NIED	XII	18 07 17 00	37.60N	143.60E	5	3.6W			**¶602391591**
ISCJB	XII	18 07 17 41.0–.89	37.63N–.04	143.62E–.07	33	3.9b			
JMA	XII	18 07 17 41.6–.20	37.63N	143.57E	51	3.5			
IDC	XII	18 07 17 45.0–7.3	36.59N	143.36E	0	4.1,3.9b			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ38.00000°,λ-114.00000°. NP2:ϕ_s223.00000°,δ56.00000°,λ-72.00000°. $M_0$2.49000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.9km az=178.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=153.9km s-min=35.4km az=25.0.

JMA	**XII**	**18 15 00 08.8–.20**	**37.18N**	**142.40E**	**8–3**	**3.6**			**¶606075016**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**18 18 36 23.0–.55**	**36.67N–.03**	**142.03E–.03**	**25–3**	**5.1b,4.6s**	**613**	**1-152**	
NIED	XII	18 18 36 00	36.70N	142.10E	23	4.9W,4.6s			**¶602047031**
IDC	XII	18 18 36 19.2–.56	36.67N	142.03E	0	4.7,4.6			
BJI	XII	18 18 36 20.5	36.72N	141.95E	23	5.2b,5.0b			
JMA	XII	18 18 36 21.5–.20	36.70N	142.10E	35	5.1,5.0b			
ISCJB	XII	18 18 36 21.9–.72	36.65N–.02	142.00E–.02	27–5	5.0b,4.5s			
MOS	XII	18 18 36 23.0–1.1	36.74N	141.98E	33	5.2b,4.8s			
NEIC	XII	18 18 36 24.3–1.4	36.66N	141.92E	32–9	5.1b,4.8s			
GCMT	XII	18 18 36 26.3–.40	36.64N–.02	142.13E–.04	29–1	5.0W,4.8s			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ23.00000°,λ106.00000°. NP2:ϕ_s17.00000°,δ68.00000°,λ83.00000°. $M_0$2.83000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Mito. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c34; s69,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.17 $M_{\theta\theta}$-0.45±.10; $M_{\phi\phi}$-1.81±.11; $M_{r\theta}$0.94±.16; $M_{\theta\phi}$-0.98±.06; $M_{\phi r}$2.62±.18; Best double couple: NP1:ϕ_s22.00000°,δ70.00000°,λ86.00000°. NP2:ϕ_s214.00000°,δ20.00000°,λ102.00000°. Principal axes: T 3.5880,Plg64.0000° ,Azm285.0000°; N 0.0360,Plg4.0000°,Azm23.0000°; P -3.6210,Plg25.0000°,Azm115.0000° $M_0$3.60500×10^{16}

ISC	**XII**	**18 23 38 03.0–1.1**	**37.91N–.05**	**143.66E–.07**	**19**	**3.7b**	**37**	**2-58**	
NIED	XII	18 23 38 00	37.80N	143.70E	5	3.7W			**¶602391632**
ISCJB	XII	18 23 38 01.7–.74	37.79N–.04	143.79E–.06	19	3.6b			
JMA	XII	18 23 38 04.5–.20	37.78N	143.69E	51	3.7			
IDC	XII	18 23 38 08.2–3.5	37.96N	143.65E	63–31	4.0L,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ28.00000°,λ-18.00000°. NP2:ϕ_s159.00000°,δ82.00000°,λ-117.00000°. $M_0$3.58000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.8km az=16.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=29.6km s-min=18.5km az=125.0.

ISC	**XII**	**19 02 33 45.8–1.6**	**37.53N–.07**	**143.76E–.09**	**35**		**16**	**2-58**	
ISCJB	XII	19 02 33 44.2–1.2	37.55N–.06	143.79E–.09	33	3.6b,3.4s			**¶606075150**
JMA	XII	19 02 33 46.3–.30	37.48N	143.60E	59	3.0,3.4s			
IDC	XII	19 02 33 56.6–3.6	35.48N	142.49E	0	3.6,3.6b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.8km az=163.8.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=104.7km s-min=34.0km az=59.0.

ISC	**XII**	**19 04 45 56.0–.79**	**36.88N–.07**	**144.46E–.07**	**26**	**3.8b**	**37**	**3-88**	
NIED	XII	19 04 45 00	36.80N	144.30E	5	3.9W			**¶602090202**
IDC	XII	19 04 45 51.3–.98	36.57N	144.65E	0	4.0,3.9			
ISCJB	XII	19 04 45 54.6–.64	36.85N–.06	144.34E–.05	26	3.7b,2.5s			
JMA	XII	19 04 45 55.6–.30	36.81N	144.34E	55	4.5,2.5s			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ25.00000°,λ-81.00000°. NP2:ϕ_s224.00000°,δ65.00000°,λ-94.00000°. $M_0$6.79000×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=19.8km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=169.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

ISC	**XII**	**19 08 31 03.0–2.8**	**37.40N–.05**	**142.13E–.08**	**1–16**	**3.8b**	**30**	**1-61**	
NIED	XII	19 08 31 00	37.30N	142.10E	11	3.6W			**¶602391664**
IDC	XII	19 08 31 01.0–2.3	37.41N	142.63E	0	3.8,3.7			
JMA	XII	19 08 31 04.8–.20	37.35N	142.13E	31–4	4.0,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ36.00000°,λ-90.00000°. NP2:ϕ_s302.00000°,δ54.00000°,λ-90.00000°. $M_0$3.17000×10^{14}
IDC Error ellipse: s-maj=65.7km s-min=23.1km az=62.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**19 14 22 11.4–1.3**	**37.76N–.05**	**143.76E–.08**	**35**	**3.8b**	**34**	**2-62**	
IDC	XII	19 14 22 06.9–1.7	37.63N	143.88E	0	3.9,3.7			**¶602391671**
ISCJB	XII	19 14 22 09.6–.80	37.76N–.04	143.76E–.06	33	3.9b,3.7			
JMA	XII	19 14 22 10.6–.20	37.75N	143.68E	52	3.4,3.7			

ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=26.3km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.6km az=13.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**19 17 15 09.4–4.4**	**36.31N–.07**	**142.2E–.10**	**9–22**		**21**	**1-56**	
JMA	XII	19 17 15 07.6–.30	36.19N	142.51E	67	2.7			**¶602391676**
IDC	XII	19 17 15 13.1–3.1	36.38N	141.85E	0	3.2,3.1			

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=78.7km s-min=32.5km az=56.0.

ISC	**XII**	**19 20 31 28.4–.56**	**37.64N–.05**	**143.68E–.06**	**35**	**4.2b,3.6s**	**93**	**2-84**	
NIED	XII	19 20 31 00	37.70N	143.60E	5	4.2W,3.6s			**¶602090206**
IDC	XII	19 20 31 23.0–.58	37.57N	143.79E	0	4.4L,4.3			
ISCJB	XII	19 20 31 26.0–.34	37.66N–.03	143.66E–.04	33	4.2b,3.5s			
JMA	XII	19 20 31 25.9–.20	37.68N	143.64E	42	4.3,3.5s			
NEIC	XII	19 20 31 28.1–.41	37.64N	143.75E	35	4.9b,3.5s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ27.00000°,λ-96.00000°. NP2:ϕ_s219.00000°,δ63.00000°,λ-87.00000°. $M_0$2.39000×10^{15}
IDC Error ellipse: s-maj=16.2km s-min=13.6km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=31.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.6km az=124.0.

ISC	**XII**	**19 20 40 44.1–1.0**	**37.82N–.06**	**143.97E–.07**	**35**	**3.5b**	**36**	**2-62**	
NIED	XII	19 20 40 00	37.90N	143.90E	8	3.6W			**¶602391685**
IDC	XII	19 20 40 39.0–.94	37.69N	144.20E	0	3.9L,3.8			
ISCJB	XII	19 20 40 42.2–.68	37.84N–.04	143.99E–.05	33	3.6b,3.8			
JMA	XII	19 20 40 43.1–.10	37.88N	143.87E	28	4.0,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s82.00000°,δ50.00000°,λ-3.00000°. NP2:ϕ_s174.00000°,δ88.00000°,λ-140.00000°. $M_0$3.20000×10^{14}
IDC Error ellipse: s-maj=31.6km s-min=19.7km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=24.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XII**	**19 21 36 18.3–.81**	**39.66N–.05**	**143.49E–.07**	**11**	**4.0b**	**45**	**1-73**	
NIED	XII	19 21 36 00	39.70N	143.60E	23	4.0W			**¶602090207**
ISCJB	XII	19 21 36 16.4–.55	39.64N–.04	143.56E–.06	11	3.8b,3.5s			
IDC	XII	19 21 36 16.1–1.1	39.62N	143.52E	0	4.1,4.0			
JMA	XII	19 21 36 17.2–.20	39.68N	143.62E	32	4.2,4.0			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ28.00000°,λ58.00000°. NP2:ϕ_s41.00000°,δ66.00000°,λ106.00000°. $M_0$9.45000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=30.6.
IDC Error ellipse: s-maj=28.3km s-min=19.1km az=109.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**XII**	**19 22 40 10.9–.61**	**39.68N–.05**	**143.45E–.06**	**11**	**4.6b,3.9s**	**159**	**1-84**	
NIED	XII	19 22 40 00	39.60N	143.80E	26	4.3W,3.9s			**¶602052192**
ISCJB	XII	19 22 40 09.1–.36	39.65N–.03	143.50E–.05	11	4.5b,4.0s			
JMA	XII	19 22 40 10.7–.40	39.68N	143.57E	35	4.5,4.0s			
MOS	XII	19 22 40 12.1–1.0	39.64N	143.48E	33	4.8b,4.1s			
BJI	XII	19 22 40 13.0	39.61N	143.23E	37	4.9b,4.6b			
NEIC	XII	19 22 40 14.4–.72	39.66N	143.46E	35–5	4.6b,4.6b			
IDC	XII	19 22 40 14.1–3.9	39.62N	143.48E	34–29	4.2,4.2			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ41.00000°,λ82.00000°. NP2:ϕ_s32.00000°,δ49.00000°,λ97.00000°. $M_0$3.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.0km az=30.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=9.3km s-min=5.9km az=105.5.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.8km az=109.0. Recorded [1 JMA] in Iwate.
IDC Error ellipse: s-maj=20.0km s-min=13.9km az=112.0.

ISC	**XII**	**19 23 51 02.3–1.7**	**36.3N–.10**	**143.5E–.10**	**35**	**4.0b**	**16**	**2-60**	
ISCJB	XII	19 23 51 01.6–1.1	36.19N–.09	143.36E–.08	33	3.8b			**¶602391693**
IDC	XII	19 23 51 02.4–3.4	35.49N	143.07E	0	3.9,3.8b			
JMA	XII	19 23 51 05.5–.30	36.40N	143.15E	69	2.9,3.8b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=9.4km az=14.6.
IDC Error ellipse: s-maj=89.9km s-min=27.7km az=49.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

ISC	**XII**	**20 02 24 40.9–1.0**	**37.65N–.05**	**143.72E–.06**	**23–7**	**4.2b**	**87**	**2-75**	
NIED	XII	20 02 24 00	37.60N	143.60E	5	4.0W			**¶602374077**
IDC	XII	20 02 24 37.2–.80	37.51N	143.81E	0	4.1,4.0			
ISCJB	XII	20 02 24 40.0–1.4	37.60N–.03	143.64E–.04	29–10	4.2b,4.0			
JMA	XII	20 02 24 41.4–.20	37.63N	143.58E	51	3.9,4.0			
NEIC	XII	20 02 24 42.5–.35	37.56N	143.77E	35	4.6b,4.0			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ46.00000°,λ-112.00000°. NP2:ϕ_s29.00000°,δ48.00000°,λ-69.00000°. $M_0$1.02000×10^{15}
IDC Error ellipse: s-maj=21.0km s-min=16.9km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.9km az=29.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=106.0.

ISC	**XII**	**20 03 15 47.9–.57**	**37.56N–.05**	**143.76E–.06**	**35**	**4.4b**	**81**	**2-82**	
IDC	XII	20 03 15 43.0–.72	37.55N	143.81E	0	4.1,4.0			**¶606860090**
ISCJB	XII	20 03 15 46.1–.34	37.57N–.03	143.69E–.04	33	4.3b,4.0			
JMA	XII	20 03 15 47.7–.20	37.63N	143.54E	59	3.9,4.0			
NEIC	XII	20 03 15 48.2–.28	37.57N	143.76E	35	4.7b,4.0			

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=14.5km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=160.5.
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=130.0.

ISC	**XII**	**20 03 17 04.9–.63**	**37.55N–.04**	**143.76E–.05**	**29–3**	**4.7b,4.3s**	**278**	**2-145**	
IDC	XII	20 03 17 00.7–.57	37.51N	143.70E	0	4.4,4.3			**¶602055854**
NIED	XII	20 03 17 00	37.60N	143.60E	5	4.6W,4.3			
ISCJB	XII	20 03 17 00.3–.98	37.52N–.03	143.73E–.03	7–6	4.6b,4.2s			
BJI	XII	20 03 17 02.3	37.67N	143.80E	25	5.0b,4.7b			
JMA	XII	20 03 17 03.8–.20	37.60N	143.60E	46	4.9,4.7b			
MOS	XII	20 03 17 04.0–1.1	37.59N	143.75E	33	4.9b,4.4s			
NEIC	XII	20 03 17 05.8–.24	37.47N	143.73E	35	4.9b,4.4s			

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=12.8km az=130.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ43.00000°,λ-75.00000°. NP2:ϕ_s4.00000°,δ49.00000°,λ-104.00000°. $M_0$9.44000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=154.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=5.8km az=113.8.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=144.0.

ISC	**XII**	**20 03 57 48.3–2.0**	**37.65N–.07**	**143.7E–.10**	**35**	**3.4b**	**15**	**2-58**	
ISCJB	XII	20 03 57 47.0–1.4	37.64N–.06	143.7E–.10	33	3.4b			**¶602391705**
JMA	XII	20 03 57 48.2–.20	37.64N	143.60E	67	2.9			
IDC	XII	20 03 57 54.1–1.6	36.14N	143.17E	0	3.6,3.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=9.2km az=175.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=37.7km s-min=34.2km az=103.0.

ISC	**XII**	**20 04 58 13.6–1.1**	**37.57N–.07**	**143.57E–.09**	**35**	**3.7b**	**22**	**2-62**	
ISCJB	XII	20 04 58 10.5–.87	37.53N–.06	143.60E–.07	33	3.7b			**¶602391707**
JMA	XII	20 04 58 11.1–.30	37.61N	143.56E	65	3.4			
IDC	XII	20 04 58 14.8–3.2	37.28N	143.67E	48–30	3.7,3.7			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.4km az=156.8.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=19.0km az=122.0.

ISC	**XII**	**20 05 21 38.2–.97**	**37.63N–.05**	**143.64E–.07**	**35**	**3.6b**	**35**	**2-62**	
NIED	XII	20 05 21 00	37.60N	143.60E	5	3.6W			**¶602391709**
ISCJB	XII	20 05 21 36.3–.67	37.62N–.04	143.63E–.05	33	3.5b			
JMA	XII	20 05 21 37.4–.20	37.61N	143.56E	56	3.5			
IDC	XII	20 05 21 40.1–3.2	37.60N	143.52E	49–31	3.7L,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ45.00000°,λ-103.00000°. NP2:ϕ_s218.00000°,δ46.00000°,λ-77.00000°. $M_0$3.10000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.5km az=29.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=16.5km az=119.0.

ISC	**XII**	**20 08 15 36.0–2.4**	**37.19N–.04**	**142.29E–.05**	**16–14**	**4.2b,3.6s**	**72**	**1-146**	
NIED	XII	20 08 15 00	37.20N	142.40E	29	4.1W,3.6s			**¶602391715**
JMA	XII	20 08 15 33.5–.30	37.19N	142.43E	15–4	4.3,3.6s			
IDC	XII	20 08 15 33.5–.74	37.20N	142.33E	0	4.0,3.8L			
NEIC	XII	20 08 15 39.5–.68	37.16N	142.37E	44–6	4.9b,3.8L			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ25.00000°,λ-118.00000°. NP2:ϕ_s199.00000°,δ68.00000°,λ-78.00000°. $M_0$1.38000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=16.6km az=113.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=99.0.

ISC	**XII**	**20 09 31 38.4–.55**	**38.02N–.04**	**143.91E–.04**	**24–3**	**4.8b,4.0s**	**396**	**2-146**	
NIED	XII	20 09 31 00	38.00N	143.90E	5	4.5W,4.0s			**¶602055855**
IDC	XII	20 09 31 34.7–.50	37.90N	143.94E	0	4.7,4.7			
ISCJB	XII	20 09 31 35.9–.92	37.97N–.03	143.82E–.02	13–5	4.7b,4.0s			
NEIC	XII	20 09 31 37.0–1.8	37.91N	143.92E	14–10	4.8b,4.0s			
JMA	XII	20 09 31 37.5–.20	37.99N	143.86E	41	4.7,4.0s			
MOS	XII	20 09 31 39.8–.98	38.18N	143.75E	33	5.0b,4.3s			
BJI	XII	20 09 31 39.0	38.12N	143.71E	31	5.0b,4.8b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ42.00000°,λ-85.00000°. NP2:ϕ_s14.00000°,δ48.00000°,λ-94.00000°. $M_0$6.55000×10^{15}
IDC Error ellipse: s-maj=13.2km s-min=10.9km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=170.9.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=132.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=4.7km az=118.7.

ISC	**XII**	**20 09 58 31.2–.84**	**37.65N–.04**	**143.63E–.07**	**35**	**3.8b**	**43**	**2-76**	
NIED	XII	20 09 58 00	37.70N	143.50E	8	3.7W			**¶602391722**
IDC	XII	20 09 58 26.5–.85	37.61N	143.79E	0	4.0,4.0L			
ISCJB	XII	20 09 58 29.4–.59	37.62N–.03	143.60E–.05	33	3.7b,4.0L			
JMA	XII	20 09 58 30.4–.20	37.66N	143.54E	55	3.7,4.0L			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ31.00000°,λ-75.00000°. NP2:ϕ_s195.00000°,δ60.00000°,λ-99.00000°. $M_0$3.54000×10^{14}
IDC Error ellipse: s-maj=27.0km s-min=20.0km az=113.0.

ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=176.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 20 11 43 31.3–.52 37.63N–.05 143.67E–.06 35 4.4b 165 2-86
NIED XII 20 11 43 00 37.50N 143.50E 5 4.1W **¶606075539**
IDC XII 20 11 43 25.8–.62 37.50N 143.72E 0 4.2,4.1
MOS XII 20 11 43 29.5–1.2 37.59N 143.69E 34 4.5b,4.1
JMA XII 20 11 43 29.4–.30 37.53N 143.55E 42 4.3,4.1
ISCJB XII 20 11 43 29.3–.27 37.53N–.03 143.61E–.03 33 4.3b,4.1
NEIC XII 20 11 43 31.2–.21 37.53N 143.68E 35 4.5b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ36.00000°,λ-83.00000°. NP2:ϕ_s195.00000°,δ54.00000°,λ-95.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=13.7km az=99.0.
MOS Error ellipse: s-maj=9.9km s-min=6.1km az=117.3.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=169.2.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.8km az=126.0.
ISC XII 20 12 13 27.3–2.4 37.63N–.06 143.7E–.10 44–25 30 2-58
IDC XII 20 12 13 19.0–3.2 38.03N 144.25E 0 3.6,3.4 **¶602391728**
ISCJB XII 20 12 13 27.6–1.2 37.68N–.05 143.62E–.09 69–15 3.3b,3.4
JMA XII 20 12 13 27.7–.20 37.63N 143.59E 57 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=74.2km s-min=40.3km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.7km az=20.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 20 12 55 05.9–1.7 36.67N–.07 144.3E–.10 35 3.4b 19 3-57
IDC XII 20 12 55 01.1–3.0 36.66N 144.43E 0 3.6L,3.5 **¶602391731**
JMA XII 20 12 55 03.9–.50 36.65N 144.34E 53 3.5,3.5
ISCJB XII 20 12 55 04.3–1.1 36.64N–.06 144.29E–.09 33 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 20 13 00 24.1–1.2 37.24N–.05 143.58E–.09 35 3.4b 39 2-61
NIED XII 20 13 00 00 37.30N 143.50E 5 3.5W **¶602391733**
IDC XII 20 13 00 18.7–1.9 37.11N 143.87E 0 3.6,3.5
ISCJB XII 20 13 00 22.3–.77 37.26N–.04 143.56E–.06 33 3.4b,3.5
JMA XII 20 13 00 23.5–.20 37.28N 143.47E 42 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ24.00000°,λ-92.00000°. NP2:ϕ_s225.00000°,δ66.00000°,λ-89.00000°. $M_0$2.07000×10^{14}
IDC Error ellipse: s-maj=52.4km s-min=22.6km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=1.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 20 21 57 41.2–.87 39.69N–.06 143.54E–.08 11 3.8b 39 1-81
NIED XII 20 21 57 00 39.70N 143.60E 23 3.9W **¶602090215**
ISCJB XII 20 21 57 39.2–.59 39.65N–.04 143.60E–.06 11 3.7b
JMA XII 20 21 57 40.9–.20 39.68N 143.59E 31 3.9
IDC XII 20 21 57 45.1–3.1 39.59N 143.45E 39–26 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ30.00000°,λ68.00000°. NP2:ϕ_s39.00000°,δ63.00000°,λ102.00000°. $M_0$6.93000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=31.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=28.3km s-min=19.1km az=101.0.
ISC XII 21 01 18 27.9–3.8 37.19N–.04 143.61E–.06 3–24 4.1b,3.5s 99 2-150
NIED XII 21 01 18 00 37.20N 143.50E 8 4.1W,3.5s **¶602090219**
IDC XII 21 01 18 27.7–.62 37.09N 143.73E 0 4.2,4.1
NEIC XII 21 01 18 28.8–3.1 37.08N 143.73E 8–19 4.2b,4.1
JMA XII 21 01 18 31.1–.20 37.23N 143.51E 55 4.3,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ26.00000°,λ-76.00000°. NP2:ϕ_s233.00000°,δ65.00000°,λ-96.00000°. $M_0$1.64000×10^{15}
IDC Error ellipse: s-maj=19.0km s-min=14.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=87.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 21 02 18 46.8–1.3 37.63N–.06 143.69E–.09 35 3.8b 25 2-62
IDC XII 21 02 18 42.0–2.4 37.52N 143.92E 0 3.8,3.7 **¶602391769**
ISCJB XII 21 02 18 45.3–.88 37.59N–.05 143.64E–.07 33 3.7b,3.1s
JMA XII 21 02 18 45.7–.20 37.58N 143.59E 56 3.1,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=68.3km s-min=26.3km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.7km az=158.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 21 03 39 50.6–1.4 37.94N–.07 144.11E–.09 35 25 2-58
IDC XII 21 03 39 45.4–2.1 37.82N 144.29E 0 3.7,3.6L **¶606075760**
ISCJB XII 21 03 39 48.7–.89 37.93N–.06 144.12E–.07 33 3.7,3.6L
JMA XII 21 03 39 49.2–.10 37.93N 144.06E 44 3.7,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=26.0km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.7km az=1.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 21 09 07 47.8–1.3 37.60N–.05 143.72E–.09 35 3.6b 30 2-69
ISCJB XII 21 09 07 47.1–.82 37.51N–.04 143.66E–.07 33 4.0s,3.5b **¶602391793**
JMA XII 21 09 07 48.0–.20 37.59N 143.63E 55 3.2,3.5b
IDC XII 21 09 07 49.3–2.0 36.83N 143.80E 0 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=176.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=43.4km s-min=29.1km az=71.0.
ISC XII 21 10 43 18.2–3.4 37.70N–.05 143.71E–.07 16–22 3.5b 33 2-62
IDC XII 21 10 43 16.5–2.4 37.74N 143.95E 0 3.7,3.6 **¶602391807**
JMA XII 21 10 43 21.8–.20 37.65N 143.63E 57 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=31.0km az=61.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 21 13 00 52.6–.76 38.08N–.05 143.25E–.08 19 3.7b 43 1-76
NIED XII 21 13 00 00 38.10N 143.30E 14 3.8W **¶602090223**
IDC XII 21 13 00 49.0–.71 37.93N 143.59E 0 4.0L,3.9
ISCJB XII 21 13 00 50.5–.55 38.06N–.04 143.30E–.05 19 3.6b,2.7s
JMA XII 21 13 00 51.7–.20 38.13N 143.33E 45 3.9,2.7s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s189.00000°,δ40.00000°,λ-178.00000°. NP2:ϕ_s98.00000°,δ89.00000°,λ-50.00000°. $M_0$5.52000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=14.7km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=155.8.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA XII 21 14 46 20.5–.40 37.90N 144.59E 26 3.8 ¶606075965
JMA Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
ISC XII 21 17 44 26.5–1.5 39.70N–.08 143.5E–.10 12 3.6b 19 1-44
NIED XII 21 17 44 00 39.70N 143.70E 29 3.7W **¶602391819**
ISCJB XII 21 17 44 24.5–1.1 39.70N–.06 143.6E–.10 12 3.7s,3.5b
JMA XII 21 17 44 25.3–.20 39.66N 143.69E 32 3.8,3.5b
IDC XII 21 17 44 33.5–5.3 40.10N 142.18E 0 3.7b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ36.00000°,λ83.00000°. NP2:ϕ_s31.00000°,δ55.00000°,λ95.00000°. $M_0$3.37000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=5.3km az=31.3.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=98.6km s-min=28.9km az=112.0.
ISC XII 22 01 33 52.2–1.0 37.97N–.06 143.69E–.08 19 3.6b 33 2-69
IDC XII 22 01 33 49.2–1.3 37.90N 143.85E 0 3.8,3.7L **¶602391840**
ISCJB XII 22 01 33 51.0–.74 37.95N–.05 143.64E–.06 19 3.6b,3.7L
JMA XII 22 01 33 52.7–.10 37.96N 143.61E 44 3.8,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=25.1km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.2km az=161.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 22 05 30 46.0–1.3 33.57N–.06 141.2E–.10 36 3.9b 22 1-57
ISCJB XII 22 05 30 44.7–.83 33.54N–.05 141.22E–.09 36 3.8b **¶606076204**
JMA XII 22 05 30 46.9–.30 33.67N 141.12E 36 3.5
IDC XII 22 05 30 47.9–1.0 32.94N 138.81E 0 3.9,3.7

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.8km az=176.5.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=16.5km az=143.0.
ISC XII 22 19 13 39.3–2.2 39.48N–.09 143.7E–.10 11 17 1-44
JMA XII 22 19 13 35.5–.10 39.46N 143.96E 11 3.8 **¶606076415**
IDC XII 22 19 13 53.4–9.8 39.99N 141.21E 0 3.5,3.5b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=199.2km s-min=41.1km az=93.0.
ISC XII 22 20 38 37.3–.85 39.45N–.05 143.86E–.06 11 3.7b 37 2-63
NIED XII 22 20 38 00 39.40N 143.90E 11 3.9W **¶602391889**
JMA XII 22 20 38 34.7–.20 39.43N 143.95E 12 4.3
ISCJB XII 22 20 38 35.6–.63 39.45N–.04 143.90E–.06 11 3.6b,3.3s
IDC XII 22 20 38 36.9–1.0 39.44N 143.73E 0 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ37.00000°,λ56.00000°. NP2:ϕ_s35.00000°,δ60.00000°,λ113.00000°. $M_0$7.49000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=34.5.
IDC Error ellipse: s-maj=22.8km s-min=15.6km az=100.0.
ISC XII 22 21 13 31.4–1.5 37.87N–.05 143.4E–.10 19 3.7b 27 2-58
IDC XII 22 21 13 29.4–2.1 37.80N 143.54E 0 3.6,3.6 **¶602391890**
ISCJB XII 22 21 13 32.0–1.1 37.90N–.05 143.28E–.08 19 3.5b,3.6
JMA XII 22 21 13 33.9–.30 37.92N 143.24E 39 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=28.6km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.7km az=171.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 22 23 29 54.5–1.1 37.86N–.06 143.79E–.07 35 3.7b 31 2-83
IDC XII 22 23 29 49.4–1.3 37.72N 143.91E 0 3.8,3.8s **¶602391894**
ISCJB XII 22 23 29 52.2–.77 37.86N–.05 143.84E–.06 33 3.9s,3.6b
JMA XII 22 23 29 52.3–.20 37.84N 143.79E 46 3.2,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=23.0km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.8km az=145.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 23 10 26 51.2–1.0 35.65N–.06 142.62E–.08 56 3.3b 23 1-65
IDC XII 23 10 26 45.0–1.1 35.60N 142.81E 0 3.5,3.4 **¶606076848**
ISCJB XII 23 10 26 49.4–.80 35.69N–.05 142.59E–.07 56 3.3b,3.4
JMA XII 23 10 26 49.8–.30 35.68N 142.54E 67 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=21.0km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.1km az=145.6.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
JMA XII 23 13 14 24.3–.10 39.35N 143.82E 19 3.5 ¶606076890
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 23 22 57 05.2–2.7 38.08N–.05 144.50E–.05 10–16 4.5b,3.4s 225 2-146
NIED XII 23 22 57 00 38.10N 144.30E 5 4.3W,3.4s **¶602090238**
IDC XII 23 22 57 03.5–.54 37.95N 144.55E 0 4.3,4.2
JMA XII 23 22 57 07.4–.20 38.06N 144.32E 41 4.9,4.2
NEIC XII 23 22 57 08.9–.30 37.94N 144.51E 35 4.6b,4.2
MOS XII 23 22 57 08.5–1.1 38.21N 144.40E 35 4.5b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ27.00000°,λ-79.00000°. NP2:ϕ_s190.00000°,δ63.00000°,λ-96.00000°. $M_0$2.80000×10^{15}
IDC Error ellipse: s-maj=15.5km s-min=12.2km az=138.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.3km az=163.0.
MOS Error ellipse: s-maj=10.5km s-min=6.0km az=116.4.
ISC XII 24 01 24 15.5–1.4 38.08N–.07 144.45E–.09 35 34 2-86
NIED XII 24 01 24 00 38.10N 144.30E 5 3.7W **¶602391961**
IDC XII 24 01 24 10.2–2.4 38.02N 144.72E 0 3.7,3.6
ISCJB XII 24 01 24 14.4–.87 38.16N–.04 144.43E–.06 33 3.7b,3.5s
JMA XII 24 01 24 15.7–.20 38.05N 144.30E 44 3.8,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ26.00000°,λ-87.00000°. NP2:ϕ_s184.00000°,δ64.00000°,λ-91.00000°. $M_0$3.94000×10^{14}
IDC Error ellipse: s-maj=56.2km s-min=27.9km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=36.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 24 05 10 00.6–1.4 37.90N–.05 143.5E–.10 19 3.5b 30 2-58
IDC XII 24 05 09 56.5–2.9 37.85N 143.92E 0 3.6,3.5L **¶606077117**
ISCJB XII 24 05 09 59.8–.99 37.93N–.04 143.50E–.08 19 3.5s,3.4b
JMA XII 24 05 10 00.7–.10 37.96N 143.55E 43 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=32.5km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.7km az=172.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 24 05 32 35.0–.85 37.83N–.05 143.48E–.06 19 3.5b 37 2-69
IDC XII 24 05 32 32.0–.85 37.69N 143.67E 0 3.7,3.6 **¶602391971**
ISCJB XII 24 05 32 33.3–.59 37.78N–.04 143.63E–.05 19 3.5b,3.6
JMA XII 24 05 32 36.1–.20 37.79N 143.55E 50 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=18.2km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.4km az=37.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 24 07 18 51.7–1.6 36.56N–.07 143.7E–.10 35 30 2-57
IDC XII 24 07 18 47.4–3.6 36.11N 143.75E 0 3.7,3.5 **¶602391979**
ISCJB XII 24 07 18 50.7–1.3 36.62N–.06 143.65E–.08 33 3.4b,3.5
JMA XII 24 07 18 50.2–.10 36.62N 143.71E 67 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=93.7km s-min=30.1km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.9km az=35.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XII 24 22 36 19.5–3.4 37.61N–.05 143.49E–.07 4–22 3.6b 26 2-62
JMA XII 24 22 36 23.3–.20 37.58N 143.47E 60 2.9 **¶602392025**
IDC XII 24 22 36 25.0–1.2 38.44N 143.22E 0 3.7,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=40.4km s-min=25.5km az=89.0.
IDC XII 24 22 36 33.0–3.8 35.68N 142.59E 0 3.4,3.3b ¶602392026
IDC Error ellipse: s-maj=111.8km s-min=28.1km az=56.0.
ISC XII 25 22 38 12.7–2.0 37.74N–.04 142.24E–.07 1–11 3.5b 34 1-58
NIED XII 25 22 38 00 37.80N 142.10E 41 3.8W **¶602380601**
IDC XII 25 22 38 11.8–2.1 37.78N 142.63E 0 3.9L,3.8
JMA XII 25 22 38 16.4–.20 37.80N 142.15E 34–2 3.7,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s271.00000°,δ82.00000°,λ-6.00000°. NP2:ϕ_s2.00000°,δ84.00000°,λ-172.00000°. $M_0$6.21000×10^{14}
IDC Error ellipse: s-maj=43.0km s-min=24.2km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 26 18 34 56.6–1.6 38.02N–.08 144.3E–.10 35 3.3b 21 2-62
IDC XII 26 18 34 50.1–2.9 38.03N 144.75E 0 3.6,3.4b **¶602380654**
JMA XII 26 18 34 55.2–.20 38.09N 144.22E 27 3.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=74.1km s-min=32.9km az=57.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 27 11 17 20.1–.20 36.80N 143.81E 45 3.5 ¶606078199
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA XII 27 18 29 21.1–.30 36.84N 143.81E 46 3.5 ¶606078331
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC XII 27 23 56 00.6–1.8 37.46N–.07 144.5E–.10 35 21 3-62
JMA XII 27 23 56 01.1–.20 37.55N 144.35E 50 3.6 **¶602380744**
IDC XII 27 23 56 03.3–4.8 36.36N 144.06E 0 3.8,3.6b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.

IDC Error ellipse: s-maj=98.2km s-min=35.1km az=30.0.
JMA XII 28 01 53 15.7–.30 37.32N 142.40E 16–4 3.5
NIED XII 28 01 53 00 37.30N 142.40E 44 3.5W **¶603719819**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ39.00000°,λ95.00000°. NP2:ϕ_s208.00000°,δ51.00000°,λ86.00000°. $M_0$1.96000×10^{14}
ISC XII 28 02 23 23.8–.77 36.81N–.05 143.90E–.07 35 3.6b 40 2-89
NIED XII 28 02 23 00 36.80N 143.80E 5 3.7W **¶602380756**
IDC XII 28 02 23 18.6–.81 36.62N 144.17E 0 3.8,3.6
ISCJB XII 28 02 23 22.1–.56 36.76N–.04 143.89E–.04 33 3.5b,3.6
JMA XII 28 02 23 24.3–.30 36.84N 143.79E 52 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ31.00000°,λ-93.00000°. NP2:ϕ_s215.00000°,δ59.00000°,λ-88.00000°. $M_0$4.54000×10^{14}
IDC Error ellipse: s-maj=27.9km s-min=18.0km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.0km az=168.9.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC XII 28 12 42 15.0–2.6 36.87N 143.49E 0 3.5,3.3b
¶602380777
IDC Error ellipse: s-maj=55.8km s-min=33.9km az=47.0.
ISC XII 28 16 11 24.8–.47 38.18N–.05 143.97E–.05 35 4.3b,4.0s 133 2-146
NIED XII 28 16 11 00 38.30N 143.80E 8 4.3W,4.0s **¶602064203**
IDC XII 28 16 11 20.6–.60 38.13N 143.90E 0 4.3,4.2L
BJI XII 28 16 11 22.5 38.33N 143.76E 14 4.9b,4.6b
JMA XII 28 16 11 23.2–.20 38.27N 143.76E 44 4.4,4.6b
MOS XII 28 16 11 24.7–1.9 38.34N 143.82E 40 4.4b,4.6b
NEIC XII 28 16 11 25.7–.38 38.14N 143.86E 35 4.6b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ25.00000°,λ-48.00000°. NP2:ϕ_s191.00000°,δ72.00000°,λ-107.00000°. $M_0$3.43000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=13.3km az=134.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=6.0km az=99.2.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.5km az=131.0.
ISC XII 28 21 31 53.2–.93 36.08N–.05 142.10E–.08 23 3.5b 33 1-98
NIED XII 28 21 31 00 36.10N 142.10E 14 3.7W **¶602380801**
IDC XII 28 21 31 50.9–1.1 36.08N 141.99E 0 3.7,3.6
ISCJB XII 28 21 31 51.8–.66 36.11N–.05 142.10E–.06 23 4.1s,3.5b
JMA XII 28 21 31 52.7–.30 36.10N 142.05E 68 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ36.00000°,λ136.00000°. NP2:ϕ_s2.00000°,δ66.00000°,λ62.00000°. $M_0$4.43000×10^{14}
IDC Error ellipse: s-maj=23.9km s-min=18.0km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.4km az=40.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XII 29 08 21 59.6–1.9 33.45N–.04 141.08E–.07 29–15 4.6b 50 1-65
IDC XII 29 08 21 54.8–1.4 33.35N 141.30E 0 4.0,3.9 **¶602335539**
NEIC XII 29 08 21 59.6–1.9 33.38N 141.18E 31–14 4.7b,3.9
ISCJB XII 29 08 22 00.4–.75 33.46N–.03 140.98E–.08 63–7 4.5b,3.9
JMA XII 29 08 22 01.1–.10 33.50N 140.92E 67–4 3.7,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=20.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.5km az=177.8.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC XII 29 13 20 19.1–.92 37.85N–.05 143.82E–.07 35 3.4b 36 2-62
IDC XII 29 13 20 13.7–1.2 37.72N 143.96E 0 3.6,3.5L **¶602380840**
ISCJB XII 29 13 20 16.5–.68 37.81N–.04 143.83E–.05 33 3.4b,3.5L
JMA XII 29 13 20 18.4–.20 37.87N 143.71E 50 3.4,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=22.4km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=33.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 29 14 23 47.9–.70 37.42N–.04 142.34E–.06 21 3.6b 35 1-127
NIED XII 29 14 23 00 37.40N 142.50E 8 3.8W **¶602380844**
IDC XII 29 14 23 44.6–.74 37.38N 142.54E 0 3.7,3.7
JMA XII 29 14 23 45.5–.20 37.40N 142.48E 22–4 3.7,3.7
ISCJB XII 29 14 23 46.2–.58 37.41N–.05 142.45E–.05 21 3.5b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ42.00000°,λ-119.00000°. NP2:ϕ_s65.00000°,δ54.00000°,λ-66.00000°. $M_0$4.84000×10^{14}
ISCJB Event type ke.
ISC XII 30 04 23 48.0–.77 36.40N–.06 144.06E–.07 35 3.6b 41 3-89
NIED XII 30 04 23 00 36.40N 143.90E 8 3.8W **¶602380873**
IDC XII 30 04 23 42.8–.76 36.22N 144.17E 0 3.9,3.8
ISCJB XII 30 04 23 46.1–.55 36.35N–.05 143.98E–.04 33 3.5b,3.8
JMA XII 30 04 23 48.0–.20 36.45N 143.91E 61 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ34.00000°,λ-101.00000°. NP2:ϕ_s211.00000°,δ56.00000°,λ-82.00000°. $M_0$5.79000×10^{14}
IDC Error ellipse: s-maj=22.6km s-min=18.2km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=165.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 30 06 35 34.1–.93 39.52N–.06 143.67E–.08 11 3.6b 31 1-61
NIED XII 30 06 35 00 39.50N 143.80E 14 3.8W **¶602380879**
ISCJB XII 30 06 35 32.0–.68 39.51N–.04 143.75E–.07 11 3.5b,3.0s
JMA XII 30 06 35 32.0–.20 39.50N 143.84E 22 4.1,3.0s
IDC XII 30 06 35 32.4–1.1 39.42N 143.67E 0 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ39.00000°,λ60.00000°. NP2:ϕ_s33.00000°,δ57.00000°,λ112.00000°. $M_0$4.88000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=30.2.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=20.5km az=130.0.
JMA XII 30 09 03 04.7–.40 36.85N 143.84E 56 3.5
¶606079278
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC XII 30 12 16 32.0–1.5 36.81N–.06 144.0E–.10 35 18 2-61
IDC XII 30 12 16 27.7–2.0 36.74N 144.17E 0 3.6,3.6 **¶602380890**
ISCJB XII 30 12 16 30.7–.99 36.80N–.06 143.93E–.08 33 3.2b,3.6
JMA XII 30 12 16 32.6–.30 36.87N 143.82E 36 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=31.9km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.0km az=142.2.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC XII 30 18 47 08.8–.96 38.22N–.05 144.13E–.07 35 3.4b 42 2-73
NIED XII 30 18 47 00 38.20N 144.20E 5 3.8W **¶602380903**
IDC XII 30 18 47 03.8–.95 37.90N 144.29E 0 4.0L,3.7
ISCJB XII 30 18 47 06.4–.66 38.20N–.04 144.20E–.05 33 3.3b,3.7
JMA XII 30 18 47 06.7–.20 38.19N 144.16E 45 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ29.00000°,λ-160.00000°. NP2:ϕ_s247.00000°,δ81.00000°,λ-63.00000°. $M_0$5.85000×10^{14}
IDC Error ellipse: s-maj=27.0km s-min=20.6km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=161.7.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 31 01 40 24.1–1.9 37.22N–.04 142.30E–.07 4–11 3.7b 34 1-57
NIED XII 31 01 40 00 37.20N 142.20E 26 3.6W **¶602380463**
IDC XII 31 01 40 23.5–2.0 37.24N 142.56E 0 3.6,3.6
ISCJB XII 31 01 40 26.3–1.3 37.22N–.04 142.29E–.07 18–8 3.5b,3.6
JMA XII 31 01 40 27.8–.20 37.25N 142.24E 34–4 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s305.00000°,δ40.00000°,λ-110.00000°. NP2:ϕ_s150.00000°,δ53.00000°,λ-74.00000°. $M_0$3.21000×10^{14}
IDC Error ellipse: s-maj=42.4km s-min=27.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.0km az=4.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 31 04 26 14.6–.20 38.17N 144.75E 40 3.6
¶606079522
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
JMA XII 31 04 56 36.2–.20 39.59N 143.89E 8 3.5
NIED XII 31 04 56 00 39.60N 143.90E 20 3.6W **¶603720775**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ33.00000°,λ31.00000°. NP2:ϕ_s56.00000°,δ74.00000°,λ119.00000°. $M_0$2.55000×10^{14}
ISC XII 31 07 42 39.0–2.1 37.47N–.05 142.31E–.07 5–11 3.5b 27 1-63
IDC XII 31 07 42 38.0–1.1 37.39N 142.55E 0 3.5,3.4 **¶602380477**
ISCJB XII 31 07 42 39.1–1.5 37.44N–.05 142.43E–.07 17–9 3.4b,3.4
JMA XII 31 07 42 40.0–.20 37.47N 142.38E 22–4 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=25.8km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=8.7km az=22.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 31 09 36 01.2–.43 37.68N–.04 143.75E–.04 29–2 4.7b,4.0s 311 2-150
NIED XII 31 09 35 00 37.60N 143.70E 5 4.5W,4.0s **¶602068359**
ISCJB XII 31 09 35 56.8–.94 37.61N–.03 143.66E–.03 10–6 4.6b,3.9s
IDC XII 31 09 35 56.1–.56 37.51N 143.82E 0 4.4,4.4
JMA XII 31 09 35 58.4–.20 37.64N 143.72E 55 4.7,4.4
BJI XII 31 09 36 00.0 37.73N 143.71E 34 5.0b,4.6b
NEIC XII 31 09 36 01.9–.14 37.48N 143.72E 37 4.8b,4.6b
MOS XII 31 09 36 01.7–1.1 37.90N 143.57E 33 4.9b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ24.00000°,λ-104.00000°. NP2:ϕ_s233.00000°,δ67.00000°,λ-84.00000°. $M_0$5.89000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=163.7.
IDC Error ellipse: s-maj=15.1km s-min=12.8km az=120.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.7km az=155.0.
MOS Error ellipse: s-maj=8.6km s-min=5.4km az=116.2.
ISC XII 31 10 55 35.9–1.8 37.78N–.07 143.8E–.10 35 3.6b 24 2-62
ISCJB XII 31 10 55 33.9–.93 37.75N–.05 143.77E–.07 33 3.6b **¶602380485**
JMA XII 31 10 55 34.8–.20 37.76N 143.70E 51 3.3
IDC XII 31 10 55 35.1–2.1 37.13N 143.73E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.8km az=152.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=50.1km s-min=28.4km az=53.0.
ISC XII 31 17 43 13.3–.88 37.73N–.05 143.66E–.08 35 4.0b 49 2-69
NIED XII 31 17 43 00 37.80N 143.70E 5 3.8W **¶602380507**
IDC XII 31 17 43 07.8–.90 37.68N 143.79E 0 4.0L,3.9
ISCJB XII 31 17 43 11.0–.54 37.71N–.04 143.73E–.05 33 3.9b,3.9
NEIC XII 31 17 43 11.7–3.3 37.71N 143.80E 24–23 4.8b,3.9
JMA XII 31 17 43 12.1–.20 37.79N 143.71E 51 3.7,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ23.00000°,λ-103.00000°. NP2:ϕ_s206.00000°,δ68.00000°,λ-85.00000°. $M_0$5.07000×10^{14}
IDC Error ellipse: s-maj=23.2km s-min=17.1km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.3km az=153.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.0km az=106.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(230) Near south coast of eastern Honshu.

ISC VII 03 02 31 02.9–.27 34.96N–.02 139.91E–.03 89–2 5.3b 1543 0-163
BJI VII 03 02 30 55.1 34.77N 140.46E 85 5.1b,5.0b **¶601235606**
NIED VII 03 02 31 00 35.00N 139.80E 89 5.1W,5.0b
MOS VII 03 02 31 01.4–.95 34.96N 139.79E 85 5.3b,5.0b
ISCJB VII 03 02 31 02.3–.20 34.94N–.02 139.77E–.02 92–1 5.2b,5.0b
JMA VII 03 02 31 02.3–.20 35.00N 139.87E 88–2 5.2,5.0b
NEIC VII 03 02 31 03.1–.08 34.93N 139.74E 86 5.3b,5.0b
GCMT VII 03 02 31 03.1–.20 34.99N 139.89E 82–2 5.1W,5.0b
IDC VII 03 02 31 03.8–.53 34.94N 139.70E 94–4 5.2,4.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ26.00000°,λ60.00000°. NP2:ϕ_s186.00000°,δ68.00000°,λ104.00000°. $M_0$4.75000×10^{16}
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=174.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s201.00000°,δ79.00000°,λ97.00000°. NP2: ϕ_s347.00000°,δ13.00000°,λ56.00000°. Principal axes: T Plg55.0000°,Azm120.0000° ; N Plg7.0000°,Azm20.0000°; P Plg34.0000°,Azm285.0000°
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=156.0. Felt [IV] at Saitama, Tokyo, Yokohama and Yokosuka. Felt widely in southeastern Honshu. Recorded [4 JMA] in Chiba, Kanagawa and Shizuoka.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s57,c78; s105,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.73±.17 $M_{t\theta}$3.66±.15; $M_{\theta\phi}$-5.39±.15; $M_{r\theta}$0.00±.10; $M_{\theta\theta}$1.58±.15; $M_{\theta r}$-3.94±.09; Best double couple: NP1:ϕ_s208.00000°,δ85.00000° ,λ140.00000°. NP2:ϕ_s302.00000°,δ50.00000°,λ6.00000°. Principal axes: T 4.3260,Plg31.0000°,Azm157.0000°; N 3.0040,Plg50.0000°,Azm23.0000° ; P -7.3310,Plg23.0000°,Azm262.0000° $M_0$5.82900×10^{16}
IDC Error ellipse: s-maj=7.5km s-min=4.2km az=76.0.
ISC VII 04 05 53 23.4–.72 34.89N–.04 139.97E–.04 57–6 4.2b,3.2s 73 0-94
NIED VII 04 05 53 00 34.90N 140.00E 53 4.0W,3.2s **¶601565535**
ISCJB VII 04 05 53 22.2–.31 34.92N–.03 139.99E–.04 68–2 4.2b,3.2s
JMA VII 04 05 53 22.6–.10 34.94N 139.97E 65–2 3.6,3.2s
NEIC VII 04 05 53 24.0–.82 34.82N 139.85E 64–7 4.4b,3.2s
IDC VII 04 05 53 25.6–1.1 34.80N 139.54E 71–7 4.2,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ31.00000°,λ52.00000°. NP2:ϕ_s245.00000°,δ66.00000°,λ110.00000°. $M_0$1.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=153.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s249.00000°,δ66.00000°,λ108.00000°. NP2: ϕ_s29.00000°,δ30.00000°,λ55.00000°. Principal axes: T Plg64.0000°,Azm189.0000° ; N Plg17.0000°,Azm61.0000°; P Plg19.0000°,Azm325.0000°
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.2km az=67.0.
IDC Error ellipse: s-maj=30.4km s-min=5.1km az=71.0.
ISC VII 06 19 26 12.2–.76 33.59N–.07 137.58E–.07 352 3.3b 36 0-70
JMA VII 06 19 26 06.5–.10 33.34N 137.64E 386 3.2 **¶601663554**
ISCJB VII 06 19 26 10.5–.42 33.54N–.06 137.66E–.07 352 3.2b
IDC VII 06 19 26 12.1–.53 33.55N 137.52E 344–9 3.8,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.9km az=39.1.
IDC Error ellipse: s-maj=22.2km s-min=9.4km az=66.0.
ISC VII 09 11 34 52.3–.82 33.46N–.07 137.83E–.08 350 3.2b 33 1-71
ISCJB VII 09 11 34 51.6–.50 33.41N–.06 137.82E–.07 350 3.2b **¶601664332**
JMA VII 09 11 34 51.3–.20 33.44N 137.87E 360 2.8
IDC VII 09 11 34 52.3–.61 33.42N 137.86E 353–12 3.8,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.7km az=146.5.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=10.2km az=67.0.
ISC VII 12 05 10 21.5–.90 35.70N–.04 139.63E–.07 92–7 3.5b 26 0-56
ISCJB VII 12 05 10 20.5–.58 35.70N–.04 139.64E–.08 99–5 3.5b **¶601664465**
JMA VII 12 05 10 22.0–.10 35.71N 139.70E 85–2 3.4
IDC VII 12 05 10 23.1–1.1 35.62N 139.34E 107–9 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.5km az=159.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s227.00000°,δ70.00000°,λ-96.00000°. NP2: ϕ_s64.00000°,δ20.00000°,λ-74.00000°. Principal axes: T Plg25.0000°,Azm322.0000° ; N Plg6.0000°,Azm229.0000°; P Plg64.0000°,Azm128.0000°
IDC Error ellipse: s-maj=32.2km s-min=7.1km az=68.0.
JMA VII 13 21 40 32.4 35.74N 139.77E 28–1 0.9
¶603639864
ISC VII 15 18 10 20.4–.98 33.7N–.10 137.68E–.09 352 2.9b 20 1-57
JMA VII 15 18 10 17.0–.30 33.39N 137.71E 372–3 3.2 **¶601664639**
ISCJB VII 15 18 10 19.5–.60 33.59N–.09 137.68E–.08 352 2.8b
IDC VII 15 18 10 20.7–1.1 33.55N 137.57E 347–23 3.3,2.8
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=8.0km az=160.8.
IDC Error ellipse: s-maj=59.2km s-min=17.6km az=58.0.
ISC VII 19 14 02 33.8–.80 35.19N–.06 139.03E–.08 153–6 3.5b 32 0-78
ISCJB VII 19 14 02 32.7–.44 35.19N–.05 139.06E–.08 157–3 3.3b **¶601664836**
IDC VII 19 14 02 33.0–.62 35.21N 139.13E 144–5 3.6,3.3
JMA VII 19 14 02 33.8–.10 35.12N 139.02E 152–1 3.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=7.2km az=163.7.
IDC Error ellipse: s-maj=18.8km s-min=6.6km az=70.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VII 25 14 54 59.7–.65 34.36N–.06 137.00E–.06 352–5 3.3b 53 0-95
ISCJB VII 25 14 54 59.0–.35 34.34N–.05 136.97E–.06 358–2 3.3b **¶601666428**
JMA VII 25 14 54 59.6–.20 34.37N 136.97E 357–2 3.3
IDC VII 25 14 54 59.4–.56 34.30N 137.00E 349–5 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.4km az=146.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=9.3km az=90.0.
ISC VII 30 18 05 17.2–1.2 34.40N–.04 138.57E–.03 14–10 3.4b 30 0-58
NIED VII 30 18 05 00 34.50N 138.60E 14 3.6W **¶601650782**
IDC VII 30 18 05 15.7–1.0 34.26N 138.49E 0 3.5,3.3
ISCJB VII 30 18 05 17.4–.71 34.40N–.04 138.55E–.04 12–5 3.2b,3.3
JMA VII 30 18 05 18.2 34.46N 138.61E 27–2 3.3,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ38.00000°,λ28.00000°. NP2:ϕ_s288.00000°,δ73.00000°,λ124.00000°. $M_0$2.76000×10^{14}
IDC Error ellipse: s-maj=31.0km s-min=14.6km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=31.7.
JMA Event type fe.
ISC VII 30 21 16 30.8–.79 35.75N–.05 139.94E–.07 84–7 3.7b 35 0-92
NIED VII 30 21 16 00 35.80N 139.90E 80 3.8W **¶601650789**
ISCJB VII 30 21 16 30.3–.45 35.69N–.04 139.84E–.07 95–4 3.7b
JMA VII 30 21 16 31.0–.20 35.76N 139.89E 84–2 3.9
IDC VII 30 21 16 31.7–1.1 35.65N 139.81E 93–10 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ41.00000°,λ-168.00000°. NP2:ϕ_s307.00000°,δ82.00000°,λ-49.00000°. $M_0$5.95000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.7km az=160.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ88.00000°,λ-53.00000°. NP2: ϕ_s43.00000°,δ37.00000°,λ-177.00000°. Principal axes: T Plg33.0000°,Azm10.0000° ; N Plg37.0000°,Azm129.0000°; P Plg36.0000°,Azm252.0000°
IDC Error ellipse: s-maj=20.3km s-min=6.4km az=68.0.
JMA VIII 10 16 32 39.8 34.98N 139.27E 12–1 3.7
NIED VIII 10 16 32 00 35.00N 139.20E 8 3.4W **¶603654241**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s140.00000°,δ76.00000°,λ-32.00000°. NP2:ϕ_s238.00000°,δ59.00000°,λ-164.00000°. Principal axes: T Plg11.0000°,Azm192.0000°; N Plg56.0000°,Azm299.0000°; P Plg32.0000° ,Azm95.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ86.00000°,λ-180.00000°. NP2:ϕ_s327.00000°,δ90.00000°,λ-4.00000°. $M_0$1.45000×10^{14}
ISC VIII 13 04 48 14.8–.80 35.88N–.04 139.93E–.06 74–7 4.1b 85 0-148
NIED VIII 13 04 48 00 36.00N 139.80E 86 4.0W **¶601710300**
ISCJB VIII 13 04 48 15.1–.39 35.87N–.03 139.77E–.06 90–3 4.0b
NEIC VIII 13 04 48 15.6–.55 35.86N 139.85E 82–4 4.5b
JMA VIII 13 04 48 16.5–.10 35.92N 139.82E 77–2 3.9
IDC VIII 13 04 48 16.1–1.1 35.84N 139.79E 85–9 4.1,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ25.00000°,λ97.00000°. NP2:ϕ_s4.00000°,δ65.00000°,λ87.00000°. $M_0$1.25000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.3km az=155.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.7km az=66.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ70.00000°,λ97.00000°. NP2: ϕ_s171.00000°,δ21.00000°,λ72.00000°. Principal axes: T Plg64.0000°,Azm291.0000° ; N Plg6.0000°,Azm188.0000°; P Plg25.0000°,Azm95.0000°
IDC Error ellipse: s-maj=18.3km s-min=6.6km az=66.0.
ISC VIII 15 20 42 34.8–1.6 33.6N–.20 137.10E–.09 400 21 1-53
IDC VIII 15 20 42 26.3–5.3 31.80N 136.60E 139–99 3.2,2.9b **¶601765899**
JMA VIII 15 20 42 30.3–.10 33.37N 137.12E 434 2.6,2.9b
ISCJB VIII 15 20 42 34.5–.67 33.6N–.10 137.05E–.10 400 2.7b,2.9b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 22 02 43 49.3–.88 34.90N–.05 139.51E–.08 110–6 3.5b 24 0-79
ISCJB VIII 22 02 43 48.4–.55 34.88N–.05 139.5E–.10 118–4 3.6b **¶601766284**
JMA VIII 22 02 43 49.5–.20 34.90N 139.56E 105–2 3.1
IDC VIII 22 02 43 50.6–.85 34.77N 139.17E 116–7 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=6.4km az=155.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=41.9km s-min=5.6km az=69.0.
ISC VIII 24 11 01 43.9–.82 34.44N–.02 139.33E–.04 15–5 28 0-58
IDC VIII 24 11 01 42.8–1.7 34.33N 139.31E 0 3.6L,3.5 **¶601766397**
ISCJB VIII 24 11 01 43.9–.51 34.44N–.02 139.32E–.05 14–3 3.2b,3.5
JMA VIII 24 11 01 44.0 34.45N 139.32E 14 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=48.6km s-min=17.3km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.6km az=174.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s310.00000°,δ85.00000°,λ-158.00000°. NP2:ϕ_s218.00000°,δ69.00000°,λ-6.00000°. Principal axes: T Plg11.0000°,Azm82.0000°; N Plg68.0000°,Azm324.0000°; P Plg19.0000° ,Azm176.0000°
ISC VIII 28 14 04 05.6–.96 34.6N–.10 137.0E–.10 338–9 2.8b 19 0-58
ISCJB VIII 28 14 04 04.8–.62 34.6N–.10 137.1E–.10 348–6 2.8b **¶601755519**
JMA VIII 28 14 04 04.7–.50 34.65N 137.03E 354–5 2.8
IDC VIII 28 14 04 04.8–.96 34.48N 137.05E 328–13 3.3,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=12.7km az=142.9.
JMA Error ellipse: s-maj=5.6km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=21.3km az=84.0.
ISC IX 05 20 33 11.8–.97 35.38N–.03 139.23E–.05 26–7 3.5b 24 0-59
IDC IX 05 20 33 09.4–1.2 35.20N 138.94E 0 3.5,3.4 **¶601863006**
ISCJB IX 05 20 33 11.7–.60 35.39N–.03 139.30E–.06 25–5 3.4b,3.4
JMA IX 05 20 33 12.4–.10 35.41N 139.25E 17–1 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=12.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=172.3.
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ80.00000°,λ65.00000°. NP2:ϕ_s274.00000°,δ27.00000°,λ157.00000°. Principal axes: T Plg49.0000°,Azm267.0000°; N Plg25.0000°,Azm29.0000°; P Plg30.0000° ,Azm135.0000°
JMA IX 08 18 38 30.5–.10 34.86N 137.82E 28–1 3.4
NIED IX 08 18 38 00 34.90N 137.80E 29 3.6W **¶603671453**
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s307.00000°,δ81.00000°,λ-168.00000°. NP2:ϕ_s216.00000°,δ78.00000°,λ-9.00000°. Principal axes: T Plg2.0000°,Azm81.0000°; N Plg75.0000°,Azm344.0000°; P Plg15.0000° ,Azm172.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ80.00000°,λ3.00000°. NP2:ϕ_s124.00000°,δ87.00000°,λ170.00000°. $M_0$2.47000×10^{14}
ISC IX 11 10 27 53.6–.74 35.01N–.04 139.96E–.05 65–6 4.0b 39 0-70
NIED IX 11 10 27 00 35.00N 140.00E 56 4.0W **¶601863346**
ISCJB IX 11 10 27 52.3–.40 35.00N–.03 139.98E–.05 70–3 3.9b
JMA IX 11 10 27 52.1–.10 34.99N 139.96E 71–2 3.6
IDC IX 11 10 27 54.1–1.4 34.96N 139.89E 69–13 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ62.00000°,λ-174.00000°. NP2:ϕ_s17.00000°,δ85.00000°,λ-28.00000°. $M_0$1.22000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.0km az=149.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s202.00000°,δ76.00000°,λ48.00000°. NP2: ϕ_s97.00000°,δ44.00000°,λ160.00000°. Principal axes: T Plg43.0000°,Azm72.0000° ; N Plg40.0000°,Azm214.0000°; P Plg20.0000°,Azm322.0000°

IDC Error ellipse: s-maj=28.4km s-min=5.6km az=72.0.
ISC IX 11 11 09 03.7–.92 35.01N–.05 139.97E–.05 65–7 3.7b 29 0-55
ISCJB IX 11 11 09 02.8–.55 35.00N–.04 139.98E–.06 71–4 3.6b **¶601863350**
JMA IX 11 11 09 02.9–.10 35.01N 139.98E 70–2 3.0
IDC IX 11 11 09 05.5–1.4 34.91N 139.72E 75–12 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=148.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s209.00000°,δ83.00000°,λ34.00000°. NP2: ϕ_s114.00000°,δ57.00000°,λ172.00000°. Principal axes: T Plg28.0000°,Azm77.0000° ; N Plg56.0000°,Azm218.0000°; P Plg18.0000°,Azm337.0000°
IDC Error ellipse: s-maj=33.1km s-min=5.6km az=71.0.
ISC IX 24 17 25 53.3–.99 35.70N–.05 139.89E–.06 89–7 3.6b 26 0-59
ISCJB IX 24 17 25 52.3–.60 35.67N–.04 139.91E–.07 94–4 3.5b **¶601864106**
JMA IX 24 17 25 53.2–.20 35.74N 139.94E 83–2 3.2
IDC IX 24 17 25 56.0–2.3 35.44N 139.30E 92–11 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.3km az=156.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s57.00000°,δ82.00000°,λ-138.00000°. NP2: ϕ_s319.00000°,δ48.00000°,λ-11.00000°. Principal axes: T Plg22.0000°,Azm181.0000° ; N Plg47.0000°,Azm65.0000°; P Plg35.0000°,Azm287.0000°
IDC Error ellipse: s-maj=78.2km s-min=10.6km az=69.0.
ISC IX 25 02 41 26.4–.91 34.99N–.04 139.96E–.04 65–7 32 0-55
ISCJB IX 25 02 41 25.1–.54 34.99N–.03 139.97E–.05 69–4 3.4b **¶601864133**
JMA IX 25 02 41 25.1–.10 34.99N 139.95E 69–2 3.2
IDC IX 25 02 41 27.5–2.8 34.91N 139.76E 73–16 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=139.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=63.8km s-min=5.6km az=71.0.
ISC IX 25 16 04 01.4–1.1 35.81N–.04 139.40E–.07 52–8 24 0-59
ISCJB IX 25 16 04 00.5–.66 35.81N–.03 139.42E–.08 60–6 3.6b **¶601864161**
IDC IX 25 16 04 01.8–1.7 35.79N 139.44E 60–15 3.7,3.6
JMA IX 25 16 04 01.6 35.83N 139.37E 54–1 2.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.5km az=172.0.
IDC Error ellipse: s-maj=29.9km s-min=7.9km az=64.0.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s284.00000° ,δ72.00000°,λ122.00000°. NP2:ϕ_s40.00000°,δ36.00000°,λ31.00000°. Principal axes: T Plg52.0000°,Azm231.0000°; N Plg30.0000°,Azm93.0000°; P Plg21.0000°,Azm350.0000°
ISC IX 29 10 49 13.2–.90 34.99N–.04 139.96E–.05 63–6 3.6b 32 0-64
NIED IX 29 10 49 00 35.00N 140.00E 59 4.0W **¶601857487**
IDC IX 29 10 49 10.4–1.2 34.42N 138.45E 0 3.8,3.7L
JMA IX 29 10 49 11.8–.10 34.98N 139.95E 71–2 3.6,3.7L
ISCJB IX 29 10 49 12.0–.50 34.99N–.04 139.98E–.05 69–4 3.6b,3.7L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ55.00000°,λ165.00000°. NP2:ϕ_s205.00000°,δ78.00000°,λ36.00000°. $M_0$9.57000×10^{14}
JMA Felt [II] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s205.00000°,δ81.00000°,λ39.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ169.00000°. Principal axes: T Plg33.0000°,Azm74.0000°; N Plg51.0000°,Azm216.0000°; P Plg19.0000° ,Azm331.0000°
ISCJB Event type fe.
ISC X 06 10 10 59.4–.79 34.49N–.06 138.48E–.07 242–6 3.5b 38 0-70
ISCJB X 06 10 10 58.2–.43 34.48N–.05 138.50E–.07 247–3 3.5b **¶601997261**
JMA X 06 10 10 58.8–.20 34.44N 138.53E 243–2 3.4
IDC X 06 10 10 59.1–.56 34.57N 138.69E 242–7 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.0km az=158.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=33.4km s-min=7.4km az=70.0.
JMA X 08 05 47 22.4 34.66N 137.08E 12–1 3.3
¶606041731
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s173.00000°,δ62.00000°,λ103.00000°. NP2:ϕ_s326.00000°,δ31.00000°,λ67.00000°. Principal axes: T Plg70.0000°,Azm111.0000°; N Plg12.0000°,Azm346.0000°; P Plg16.0000° ,Azm253.0000°
JMA X 08 05 56 10.3 34.66N 137.07E 12–1 2.7
¶606041734
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s141.00000°,δ74.00000°,λ78.00000°. NP2:ϕ_s359.00000°,δ20.00000°,λ126.00000°. Principal axes: T Plg59.0000°,Azm35.0000°; N Plg11.0000°,Azm145.0000°; P Plg28.0000° ,Azm241.0000°
ISC X 08 06 43 50.6–1.0 34.98N–.05 139.90E–.06 86–6 26 0-59
ISCJB X 08 06 43 49.6–.61 34.96N–.05 139.92E–.07 94–4 4.0b **¶601997467**
JMA X 08 06 43 49.9–.20 34.96N 139.90E 88–2 3.1
IDC X 08 06 43 52.6–2.4 34.85N 139.53E 99–8 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.3km az=148.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s242.00000°,δ82.00000°,λ115.00000°. NP2: ϕ_s349.00000°,δ26.00000°,λ19.00000°. Principal axes: T Plg47.0000°,Azm178.0000° ; N Plg25.0000°,Azm58.0000°; P Plg32.0000°,Azm311.0000°
IDC Error ellipse: s-maj=81.3km s-min=6.1km az=70.0.
JMA X 17 22 27 22.3–.10 34.94N 138.17E 21–1 0.5
¶606046840
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA X 18 18 33 47.8–.10 33.14N 137.07E 55–2 3.7
¶606047216
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 31 06 50 01.8–.61 35.99N–.04 139.92E–.04 50–5 4.3b,3.5s 178 0-148
MOS X 31 06 50 00.9–.97 36.02N 139.81E 57 4.6b,3.5s **¶601864577**
NIED X 31 06 50 00 36.10N 139.90E 53 4.5W,3.5s
ISCJB X 31 06 50 00.4–.35 36.02N–.03 139.90E–.04 54–2 4.3b,3.5s
JMA X 31 06 50 01.4–.10 36.04N 139.93E 44–1 4.4,3.5s
IDC X 31 06 50 01.8–1.3 35.97N 139.80E 53–12 4.3,4.1
NEIC X 31 06 50 02.6–.43 35.99N 139.81E 59–3 4.5b,4.1
ISC Event type fe.
MOS Error ellipse: s-maj=9.6km s-min=5.9km az=107.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ24.00000°,λ129.00000°. NP2:ϕ_s47.00000°,δ72.00000°,λ74.00000°. $M_0$6.97000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.2km az=13.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s44.00000°,δ72.00000°,λ86.00000°. NP2: ϕ_s237.00000°,δ19.00000°,λ103.00000°. Principal axes: T Plg63.0000°,Azm307.0000° ; N Plg4.0000°,Azm45.0000°; P Plg27.0000°,Azm137.0000°
IDC Error ellipse: s-maj=13.3km s-min=6.8km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.7km az=100.0. Felt [II] at Tokyo. Felt widely in east-central Honshu. Recorded [3 JMA] in Ibaraki, Saitama and Tochigi.
ISC XI 03 18 50 28.2–1.0 35.61N–.03 139.46E–.05 32–8 24 0-59
ISCJB XI 03 18 50 28.1–.58 35.61N–.03 139.49E–.07 41–9 3.5b **¶602388780**
JMA XI 03 18 50 28.7–.10 35.64N 139.43E 31–1 3.3
IDC XI 03 18 50 30.4–2.2 35.50N 139.18E 52–17 3.6L,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=4.7km az=179.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s34.00000°,δ85.00000°,λ82.00000°. NP2: ϕ_s274.00000°,δ9.00000°,λ150.00000°. Principal axes: T Plg49.0000°,Azm295.0000° ; N Plg8.0000°,Azm34.0000°; P Plg40.0000°,Azm131.0000°
IDC Error ellipse: s-maj=69.8km s-min=11.9km az=69.0.
ISC XI 05 06 55 10.1–.94 33.60N–.08 137.30E–.06 362–9 29 1-57
JMA XI 05 06 55 09.3–.20 33.56N 137.37E 370 3.1 **¶602388846**
ISCJB XI 05 06 55 10.1–.65 33.49N–.07 137.37E–.06 354–8 2.9b
IDC XI 05 06 55 11.6–.85 33.74N 137.23E 364–14 3.6,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.5km az=174.0.
IDC Error ellipse: s-maj=29.4km s-min=14.2km az=55.0.
ISC XI 05 23 46 02.3–.98 35.97N–.04 139.96E–.05 42–10 3.4b 23 0-56
ISCJB XI 05 23 46 01.5–.56 35.97N–.03 139.98E–.06 50–6 3.3b **¶606056756**

JMA XI 05 23 46 02.5–.10 36.00N 139.95E 43–1 3.3
IDC XI 05 23 46 05.2–1.9 35.78N 139.71E 70–17 3.5,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=162.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=7.6km az=64.0.
JMA XI 24 02 48 57.7 34.86N 137.89E 33 3.6
NIED XI 24 02 48 00 34.90N 137.90E 35 3.5W **¶603707746**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s213.00000°,δ76.00000°,λ14.00000°. NP2:ϕ_s119.00000°,δ76.00000°,λ166.00000°. Principal axes: T Plg20.0000°,Azm76.0000°; N Plg70.0000°,Azm256.0000°; P Plg0.0000° ,Azm346.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ77.00000°,λ172.00000°. NP2:ϕ_s212.00000°,δ82.00000°,λ13.00000°. $M_0$2.11000×10^{14}
ISC XII 04 05 39 04.9–.71 35.34N–.05 139.06E–.06 165–5 3.9b 37 0-93
NIED XII 04 05 39 00 35.30N 139.10E 160 3.9W **¶602390436**
ISCJB XII 04 05 39 03.9–.39 35.34N–.04 139.05E–.07 170–3 3.8b
IDC XII 04 05 39 04.6–.59 35.31N 139.12E 162–4 4.1,3.8
JMA XII 04 05 39 05.3–.10 35.31N 139.08E 164–1 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ60.00000°,λ-35.00000°. NP2:ϕ_s288.00000°,δ61.00000°,λ-145.00000°. $M_0$8.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=6.4km az=172.0.
IDC Error ellipse: s-maj=22.8km s-min=6.6km az=71.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s274.00000°,δ69.00000°,λ-129.00000°. NP2: ϕ_s160.00000°,δ43.00000°,λ-31.00000°. Principal axes: T Plg15.0000°,Azm31.0000° ; N Plg36.0000°,Azm290.0000°; P Plg50.0000°,Azm140.0000°
ISC XII 10 00 53 44.8–1.0 33.7N–.10 137.5E–.10 352 3.0b 18 0-54
JMA XII 10 00 53 41.4–.10 33.67N 137.48E 370 2.9 **¶602390951**
ISCJB XII 10 00 53 43.3–.71 33.7N–.10 137.5E–.10 352 2.9b
IDC XII 10 00 53 43.9–1.8 33.66N 137.53E 336–19 3.5,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=15.6km az=170.1.
IDC Error ellipse: s-maj=26.7km s-min=20.8km az=70.0.
JMA XII 10 13 04 05.6–.10 34.75N 137.64E 25–1 2.6
¶606069645
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s296.00000°,δ86.00000°,λ160.00000°. NP2: ϕ_s27.00000°,δ70.00000°,λ4.00000°. Principal axes: T Plg17.0000°,Azm250.0000° ; N Plg70.0000°,Azm105.0000°; P Plg11.0000°,Azm343.0000°
JMA XII 21 23 22 03.8 34.72N 137.03E 14–1 0.8
¶606076148
ISC XII 30 18 16 22.2–.62 34.20N–.05 138.60E–.06 248–5 3.7b 68 1-94
NIED XII 30 18 16 00 34.20N 138.70E 250 4.1W **¶602090279**
ISCJB XII 30 18 16 21.0–.34 34.14N–.05 138.61E–.06 252–2 3.6b
JMA XII 30 18 16 21.0–.20 34.17N 138.68E 253–2 3.9
IDC XII 30 18 16 21.5–.90 34.06N 138.59E 244–8 4.0,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ16.00000°,λ-174.00000°. NP2:ϕ_s29.00000°,δ88.00000°,λ-74.00000°. $M_0$1.45000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.4km az=171.7.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=10.9km az=70.0.

SEISMIC REGION 20.
Southwestern Japan and Ryukyu Islands.

(231) South Korea.

ISC VII 08 00 43 27.5–1.2 35.71N–.04 129.43E–.06 13–15 15 0-2
JMA VII 08 00 43 27.9–.30 35.75N 129.25E 11 2.7 **¶603377220**
ISCJB VII 08 00 43 28.6–1.1 35.73N–.05 129.38E–.09 6–12 2.7
KMA VII 08 00 43 28.8–.32 35.72N 129.36E 12–5 2.7
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.2km az=10.5.
KMA Error ellipse: s-maj=3.1km s-min=2.1km az=86.0.
ISC IX 10 13 06 02.6–1.1 35.83N–.03 129.42E–.07 12–14 16 0-2
JMA IX 10 13 06 01.3–.50 35.86N 129.35E 0 2.7 **¶603672357**
KMA IX 10 13 06 02.7–.35 35.83N 129.41E 12–5 2.7
ISCJB IX 10 13 06 03.1–.88 35.85N–.04 129.37E–.08 10–9 2.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 19 05 52 11.1–1.3 34.67N–.04 128.74E–.06 13–13 14 0-2
ISCJB IX 19 05 52 11.2–1.3 34.69N–.05 128.74E–.07 6–12 **¶603677026**
JMA IX 19 05 52 11.0–.10 34.67N 128.73E 8–1 2.8
KMA IX 19 05 52 11.4–.70 34.70N 128.76E 17–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.1km az=147.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
KMA Error ellipse: s-maj=7.0km s-min=2.1km az=151.0.

(232) Western Honshu.

JMA VII 04 16 09 07.7 35.09N 135.63E 7–1 2.7
¶603634426
JMA Event type fe.
JMA VII 07 23 34 33.2 35.24N 135.24E 12–1 2.5
¶603636177
JMA Event type fe.
JMA VII 10 18 15 09.8 35.25N 136.56E 6–1 2.6
¶603638192
JMA Event type fe.
ISC VII 15 06 37 22.1–.85 35.47N–.09 135.82E–.08 348–7 2.9b 25 0-55
ISCJB VII 15 06 37 21.3–.59 35.49N–.08 135.85E–.09 355–5 2.9b **¶601664607**
JMA VII 15 06 37 22.8–.10 35.50N 135.79E 345–1 3.0
IDC VII 15 06 37 22.0–1.3 35.45N 135.89E 351–14 3.5,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=11.8km az=140.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=19.1km az=72.0.
ISC VIII 10 13 02 05.1–1.2 34.3N–.10 136.91E–.07 350 22 0-43
IDC VIII 10 13 01 18.7–13 31.64N 140.06E 169–81 3.7,3.2 **¶606009648**
JMA VIII 10 13 02 03.2–.30 34.26N 136.89E 368–3 2.7,3.2
ISCJB VIII 10 13 02 05.0–.58 34.4N–.10 136.91E–.07 350 2.7b,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 21 14 49 06.7–.97 34.2N–.10 136.16E–.09 391–11 3.0b 22 0-77
ISCJB VIII 21 14 49 05.6–.56 34.2N–.10 136.2E–.10 399–5 3.0b **¶601766257**
JMA VIII 21 14 49 06.6–.30 34.12N 136.19E 391–3 2.6
IDC VIII 21 14 49 06.9–1.2 34.17N 136.14E 391–15 3.5,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=12.7km az=161.7.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=26.3km s-min=17.6km az=66.0.
ISC IX 21 00 03 53.9–.49 35.36N–.05 135.36E–.04 371–4 4.0b 126 0-152
NIED IX 21 00 03 00 35.40N 135.40E 360 4.1W **¶601735810**
ISCJB IX 21 00 03 53.0–.20 35.30N–.03 135.41E–.04 377–2 4.1b
NEIC IX 21 00 03 53.4–.27 35.26N 135.45E 369–3 4.3b
JMA IX 21 00 03 54.2–.10 35.37N 135.38E 366–1 4.3
IDC IX 21 00 03 54.2–.89 35.27N 135.33E 372–9 4.2,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s110.00000°,δ38.00000°,λ-49.00000°. NP2:ϕ_s242.00000°,δ62.00000°,λ-117.00000°. $M_0$1.83000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.7km az=141.1.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.6km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=11.1km s-min=9.1km az=73.0.
ISC IX 22 02 16 29.8–.85 34.9N–.10 136.03E–.09 350 2.9b 18 1-80
ISCJB IX 22 02 16 30.3–.56 34.9N–.10 136.0E–.10 350 3.0b **¶601863974**
JMA IX 22 02 16 30.6–.10 34.92N 135.99E 350–1 3.0
IDC IX 22 02 16 30.0–1.4 34.84N 135.96E 357–15 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=13.6km az=162.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=20.4km az=98.0.
JMA IX 26 07 38 53.7 35.43N 136.35E 11–1 2.6
¶606036284
JMA Felt [I] J1.
ISC X 13 02 21 02.3–1.1 35.23N–.06 135.67E–.03 11–9 18 0-55
NIED X 13 02 21 00 35.30N 135.70E 20 3.5W **¶601998075**
IDC X 13 02 21 01.1–1.5 35.05N 135.75E 0 3.7,3.5
ISCJB X 13 02 21 02.3–.56 35.25N–.03 135.66E–.04 7–6 3.4b,3.5
JMA X 13 02 21 02.7 35.26N 135.66E 13–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s313.00000°,δ61.00000°,λ17.00000°. NP2:ϕ_s215.00000°,δ75.00000°,λ150.00000°. $M_0$2.12000×10^{14}
IDC Error ellipse: s-maj=27.0km s-min=16.5km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.0km az=157.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s209.00000°,δ69.00000°,λ143.00000°. NP2:ϕ_s314.00000°,δ56.00000°,λ26.00000°. Principal axes: T Plg41.0000°,Azm167.0000°; N Plg48.0000°,Azm3.0000°; P Plg8.0000° ,Azm264.0000°
ISC X 14 06 34 17.2–1.2 35.21N–.04 132.77E–.03 4–10 21 0-55
NIED X 14 06 34 00 35.20N 132.80E 8 3.7W **¶601834050**
ISCJB X 14 06 34 16.4–.59 35.22N–.03 132.78E–.04 6–5 3.4b
JMA X 14 06 34 16.6 35.21N 132.80E 9–1 3.9
IDC X 14 06 34 20.2–3.4 35.14N 132.86E 35–38 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ60.00000°,λ22.00000°. NP2:ϕ_s51.00000°,δ72.00000°,λ148.00000°. $M_0$3.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=41.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ89.00000°,λ-174.00000°. NP2:ϕ_s140.00000°,δ84.00000°,λ-1.00000°. Principal axes: T Plg3.0000°,Azm5.0000°; N Plg84.0000°,Azm244.0000°; P Plg5.0000° ,Azm95.0000°
IDC Error ellipse: s-maj=25.7km s-min=21.6km az=177.0.
JMA X 28 02 31 31.4 35.31N 136.90E 9 2.7
¶606052627
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s145.00000°,δ56.00000°,λ59.00000°. NP2:ϕ_s11.00000°,δ45.00000°,λ127.00000°. Principal axes: T Plg64.0000°,Azm359.0000°; N Plg25.0000°,Azm163.0000°; P Plg6.0000° ,Azm256.0000°
JMA X 29 19 05 07.5 35.09N 136.85E 38–1 3.6
NIED X 29 19 05 00 35.10N 136.80E 44 3.5W **¶603697558**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s139.00000°,δ68.00000°,λ-152.00000°. NP2:ϕ_s38.00000°,δ64.00000°,λ-24.00000°. Principal axes: T Plg3.0000°,Azm268.0000°; N Plg55.0000°,Azm174.0000°; P Plg35.0000° ,Azm0.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ37.00000°,λ-38.00000°. NP2:ϕ_s147.00000°,δ68.00000°,λ-120.00000°. $M_0$1.77000×10^{14}
ISC XI 16 11 17 11.4–1.1 34.16N–.09 136.89E–.08 365–9 24 0-54
ISCJB XI 16 11 17 10.6–.83 34.15N–.09 136.91E–.09 370–6 3.1b **¶602389506**
JMA XI 16 11 17 11.6–.30 34.24N 136.84E 368–3 2.6
IDC XI 16 11 17 11.2–1.3 34.06N 137.11E 355–26 3.8,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=10.6km az=146.0.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=62.0km s-min=30.2km az=79.0.
ISC XI 17 08 12 58.2–1.3 35.19N–.05 135.56E–.03 6–9 3.4b 26 0-59
ISCJB XI 17 08 12 59.9–.62 35.23N–.03 135.48E–.04 4–5 3.4b **¶601909906**
JMA XI 17 08 12 59.9 35.27N 135.49E 7–1 3.9
NIED XI 17 08 13 00 35.30N 135.50E 8 3.6W
IDC XI 17 08 13 03.6–1.9 34.92N 135.72E 53–20 3.6,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.6km az=153.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s353.00000°,δ51.00000°,λ56.00000°. NP2:ϕ_s220.00000°,δ50.00000°,λ125.00000°. Principal axes: T Plg64.0000°,Azm198.0000°; N Plg26.0000°,Azm16.0000°; P Plg1.0000° ,Azm106.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ47.00000°,λ58.00000°. NP2: ϕ_s225.00000°,δ52.00000°,λ119.00000°. $M_0$2.78000×10^{14}
IDC Error ellipse: s-maj=20.6km s-min=19.3km az=66.0.
ISC XI 19 11 18 48.8–.83 35.34N–.08 136.78E–.07 317–6 3.4b 32 0-69
ISCJB XI 19 11 18 48.2–.51 35.30N–.07 136.83E–.07 323–4 3.3b **¶602389667**
JMA XI 19 11 18 48.7–.20 35.42N 136.72E 322–2 2.7
IDC XI 19 11 18 49.1–.80 35.24N 136.92E 316–9 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=8.1km az=147.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=15.7km az=101.0.
ISC XI 21 00 26 58.0–.80 35.37N–.09 135.93E–.08 349–7 3.1b 26 0-151
ISCJB XI 21 00 26 57.5–.54 35.39N–.09 135.92E–.10 353–5 3.2b **¶602389760**
JMA XI 21 00 26 58.7–.10 35.45N 135.87E 344–1 3.1
IDC XI 21 00 26 58.1–1.2 35.30N 135.95E 352–12 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=11.9km az=146.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=16.0km az=165.0.
ISC XI 28 08 36 24.8–1.1 35.8N–.10 136.46E–.10 309 15 0-55
IDC XI 28 08 36 19.7–7.5 34.93N 135.10E 202–111 3.4,3.1 **¶602390100**
ISCJB XI 28 08 36 24.1–.62 35.8N–.10 136.4E–.10 309 3.0b,3.1
JMA XI 28 08 36 24.4–.30 35.85N 136.41E 309–3 3.0,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=128.2km s-min=26.0km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=11.7km az=156.1.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 02 10 23 25.0–.77 34.62N–.09 136.89E–.07 337–6 3.0b 39 0-69
ISCJB XII 02 10 23 24.3–.49 34.60N–.08 136.91E–.08 342–3 3.1b **¶602390343**
IDC XII 02 10 23 24.3–.76 34.52N 136.94E 330–8 3.6,3.1
JMA XII 02 10 23 25.1–.20 34.69N 136.80E 341–2 3.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=7.1km az=143.4.
IDC Error ellipse: s-maj=16.2km s-min=12.7km az=90.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA XII 12 06 32 49.9 35.15N 135.68E 14 3.1
¶606070244
JMA Event type fe.
ISC XII 23 10 22 04.4–.72 34.30N–.09 136.46E–.08 363–6 3.0b 31 0-95
ISCJB XII 23 10 22 03.5–.48 34.29N–.08 136.42E–.09 369–3 3.1b **¶602391915**
IDC XII 23 10 22 03.9–1.2 34.17N 136.53E 362–13 3.7,3.1
JMA XII 23 10 22 04.2–.20 34.27N 136.51E 363–2 3.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=12.0km az=29.3.
IDC Error ellipse: s-maj=20.4km s-min=12.6km az=98.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 25 07 03 03.1–1.1 34.5N–.10 136.01E–.09 400 17 0-58
ISCJB XII 25 07 03 02.2–.51 34.5N–.10 136.06E–.10 400 3.0b **¶602380573**
JMA XII 25 07 03 02.2 34.56N 135.92E 399 2.8
IDC XII 25 07 03 04.4–3.3 34.57N 136.33E 402–102 3.5,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=10.5km az=159.4.
JMA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=234.2km s-min=38.9km az=65.0.

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ISC VII 07 23 42 42.6–.50 33.78N–.05 136.02E–.04 405–4 4.3b 290 0-152
NIED VII 07 23 42 00 33.70N 136.10E 400 4.6W **¶601244189**
JMA VII 07 23 42 41.7–.10 33.70N 136.12E 411–1 3.6
MOS VII 07 23 42 42.1–.81 33.85N 136.01E 408 4.3b
ISCJB VII 07 23 42 42.2–.23 33.80N–.04 136.03E–.03 410–1 4.2b
NEIC VII 07 23 42 42.9–.26 33.75N 136.03E 405–2 4.4b

IDC VII 07 23 42 42.5–.82 33.72N 136.03E 409–8 4.3,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ40.00000°,λ163.00000°. NP2:ϕ_s158.00000°,δ79.00000°,λ51.00000°. $M_0$9.13000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=5.9km az=89.7.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=157.3.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=159.0.
IDC Error ellipse: s-maj=9.9km s-min=8.9km az=108.0.
ISC VIII 03 05 55 22.2–.87 33.97N–.04 135.65E–.03 56–6 3.6b 36 0-54
NIED VIII 03 05 55 00 34.00N 135.70E 62 4.0W **¶601765386**
IDC VIII 03 05 55 15.6–1.2 33.83N 135.37E 0 3.7,3.7
ISCJB VIII 03 05 55 21.2–.43 33.97N–.03 135.66E–.03 63–4 3.5b,3.7
JMA VIII 03 05 55 22.2 33.98N 135.63E 59–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s82.00000°,δ69.00000°,λ-172.00000°. NP2:ϕ_s349.00000°,δ82.00000°,λ-21.00000°. $M_0$9.63000×10^{14}
IDC Error ellipse: s-maj=28.7km s-min=21.9km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=170.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s173.00000°,δ89.00000°,λ19.00000°. NP2:ϕ_s82.00000°,δ71.00000°,λ179.00000°. Principal axes: T Plg14.0000°,Azm39.0000°; N Plg71.0000°,Azm177.0000°; P Plg12.0000°,Azm306.0000°
ISC VIII 04 23 21 01.2–.94 34.8N–.10 135.25E–.09 400 3.0b 18 0-58
ISCJB VIII 04 23 21 00.3–.47 34.78N–.10 135.3E–.10 400 3.0b **¶601765472**
JMA VIII 04 23 21 01.5–.10 34.91N 135.21E 391–2 3.0
IDC VIII 04 23 21 01.3–1.2 34.77N 135.29E 394–17 3.5,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=11.2km az=141.0.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=18.9km az=65.0.
IDC VIII 28 15 56 22.5–5.2 33.22N 136.04E 291–98 3.6,3.0 ¶601755523
IDC Error ellipse: s-maj=155.3km s-min=16.2km az=61.0.
ISC IX 14 07 05 19.3–1.1 34.16N–.04 135.67E–.03 56–7 31 0-54
ISCJB IX 14 07 05 18.6–.54 34.15N–.04 135.65E–.04 60–5 3.4b **¶601863511**
JMA IX 14 07 05 19.3 34.15N 135.66E 57–1 3.4
IDC IX 14 07 05 20.2–2.0 34.11N 135.67E 63–38 3.7,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.0km az=173.5.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s249.00000°,δ85.00000°,λ-158.00000°. NP2:ϕ_s157.00000°,δ69.00000°,λ-6.00000°. Principal axes: T Plg11.0000°,Azm21.0000°; N Plg68.0000°,Azm263.0000°; P Plg19.0000°,Azm115.0000°
IDC Error ellipse: s-maj=43.5km s-min=23.2km az=179.0.
ISC IX 18 17 24 45.9–.85 33.35N–.09 136.72E–.08 400 3.1b 27 0-80
JMA IX 18 17 24 39.3–.20 33.08N 136.79E 450 3.1 **¶601863767**
ISCJB IX 18 17 24 44.5–.49 33.21N–.07 136.81E–.10 400 3.2b
IDC IX 18 17 24 45.9–1.4 33.29N 136.41E 399–17 3.7,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.3km az=35.7.
IDC Error ellipse: s-maj=39.4km s-min=14.4km az=90.0.
ISC IX 24 04 11 25.2–2.4 33.48N–.05 135.13E–.03 8–15 3.5b 31 0-70
NIED IX 24 04 11 00 33.60N 135.20E 38 3.8W **¶601864073**
IDC IX 24 04 11 24.3–1.1 33.43N 135.21E 0 4.0L,3.8
JMA IX 24 04 11 28.9 33.55N 135.17E 43–1 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ61.00000°,λ1.00000°. NP2:ϕ_s123.00000°,δ89.00000°,λ151.00000°. $M_0$6.17000×10^{14}
IDC Error ellipse: s-maj=25.0km s-min=22.9km az=131.0.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s307.00000°,δ82.00000°,λ-146.00000°. NP2:ϕ_s212.00000°,δ57.00000°,λ-9.00000°. Principal axes: T Plg17.0000°,Azm75.0000°; N Plg55.0000°,Azm319.0000°; P Plg29.0000°,Azm175.0000°
ISC IX 28 07 55 57.6–1.1 33.85N–.06 135.32E–.03 52–7 3.4b 32 0-44
ISCJB IX 28 07 55 56.6–.57 33.87N–.05 135.31E–.03 57–5 3.4b **¶601864343**
JMA IX 28 07 55 57.7 33.88N 135.35E 53–1 3.3
IDC IX 28 07 55 58.3–2.9 33.89N 135.21E 47–22 3.5,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.1km az=164.6.
JMA Felt [I] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s355.00000°,δ85.00000°,λ-60.00000°. NP2:ϕ_s94.00000°,δ31.00000°,λ-170.00000°. Principal axes: T Plg33.0000°,Azm60.0000°; N Plg30.0000°,Azm172.0000°; P Plg42.0000°,Azm294.0000°
IDC Error ellipse: s-maj=38.7km s-min=18.1km az=155.0.
ISC X 11 03 28 02.8–1.1 33.88N–.06 135.40E–.03 55–7 31 0-42
IDC X 11 03 27 59.1–5.2 34.02N 135.03E 0 3.5b,3.4 **¶606043104**
ISCJB X 11 03 28 02.3–.60 33.90N–.05 135.39E–.03 57–5 3.3b,3.4
JMA X 11 03 28 03.1 33.89N 135.42E 54–1 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=101.3km s-min=27.1km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.6km az=167.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s54.00000°,δ88.00000°,λ47.00000°. NP2:ϕ_s322.00000°,δ43.00000°,λ176.00000°. Principal axes: T Plg33.0000°,Azm289.0000°; N Plg43.0000°,Azm57.0000°; P Plg29.0000°,Azm178.0000°
ISC X 22 16 56 07.2–1.2 34.11N–.04 135.16E–.03 1–11 21 0-54
NIED X 22 16 56 00 34.20N 135.20E 5 3.4W **¶601999293**
ISCJB X 22 16 56 07.3–.53 34.13N–.03 135.13E–.03 9–5 3.7b
JMA X 22 16 56 07.7 34.15N 135.14E 6–1 3.4
IDC X 22 16 56 07.1–1.6 33.99N 135.24E 0 3.6b,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ37.00000°,λ68.00000°. NP2:ϕ_s206.00000°,δ56.00000°,λ106.00000°. $M_0$1.19000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=178.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s196.00000°,δ50.00000°,λ102.00000°. NP2:ϕ_s358.00000°,δ42.00000°,λ76.00000°. Principal axes: T Plg80.0000°,Azm164.0000°; N Plg9.0000°,Azm9.0000°; P Plg4.0000°,Azm278.0000°
IDC Error ellipse: s-maj=29.0km s-min=16.4km az=149.0.
ISC X 24 21 17 10.5–.77 33.99N–.08 136.72E–.06 368–6 3.3b 38 0-65
ISCJB X 24 21 17 09.9–.50 34.00N–.07 136.72E–.06 373–4 3.4b **¶601999531**
IDC X 24 21 17 10.2–.64 33.93N 136.78E 364–8 4.0,3.3
JMA X 24 21 17 11.1–.20 34.05N 136.64E 367–2 3.2,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.5km az=158.8.
IDC Error ellipse: s-maj=14.6km s-min=12.1km az=72.0.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
ISC XII 02 16 32 28.8–.86 33.87N–.10 136.32E–.09 400 3.0b 31 0-70
ISCJB XII 02 16 32 28.0–.51 33.86N–.08 136.30E–.10 400 3.1b **¶602390360**
IDC XII 02 16 32 28.2–.91 33.82N 136.37E 392–13 3.7,3.0
JMA XII 02 16 32 29.1–.10 33.90N 136.25E 396–1 2.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.5km az=41.7.
IDC Error ellipse: s-maj=23.8km s-min=12.7km az=70.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC XII 03 08 46 33.3–.84 34.04N–.04 135.67E–.03 61–5 4.1b 61 0-74
NIED XII 03 08 46 00 34.00N 135.70E 53 3.7W **¶602330070**
ISCJB XII 03 08 46 32.1–.30 34.04N–.03 135.65E–.03 66–2 4.0b
JMA XII 03 08 46 33.4 34.05N 135.63E 59–1 3.7
NEIC XII 03 08 46 33.4–.54 33.98N 135.72E 59–7 4.3b
IDC XII 03 08 46 33.3–1.8 34.03N 135.77E 58–22 3.8L,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ44.00000°,λ-82.00000°. NP2:ϕ_s127.00000°,δ46.00000°,λ-98.00000°. $M_0$4.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=168.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s162.00000°,δ78.00000°,λ-75.00000°. NP2:ϕ_s291.00000°,δ19.00000°,λ-140.00000°. Principal axes: T Plg31.0000°,Azm240.0000°; N Plg15.0000°,Azm339.0000°; P Plg55.0000°,Azm91.0000°

NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=208.0.
IDC Error ellipse: s-maj=16.8km s-min=12.3km az=38.0.
ISC XII 04 13 05 04.5–.64 33.97N–.09 135.15E–.08 416 3.5b 39 0-85
ISCJB XII 04 13 05 03.6–.38 33.98N–.07 135.13E–.08 416 3.5b **¶602390449**
JMA XII 04 13 05 04.3–.10 34.06N 135.15E 416–1 3.4
IDC XII 04 13 05 04.2–.83 33.98N 135.17E 413–9 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=8.3km az=150.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=10.7km az=80.0.
ISC XII 05 17 17 03.8–.56 34.01N–.06 135.44E–.06 421–5 3.8b 68 0-83
ISCJB XII 05 17 17 03.0–.28 34.00N–.05 135.45E–.06 428–2 3.7b **¶602390508**
JMA XII 05 17 17 03.9 34.03N 135.43E 422–1 3.6
IDC XII 05 17 17 03.7–.49 33.96N 135.43E 420–5 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.5km az=141.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=8.4km s-min=7.1km az=92.0.
ISC XII 07 10 15 18.8–.98 34.59N–.07 135.54E–.08 14 3.6b 12 3-69
IDC XII 07 10 15 16.5–1.0 34.64N 135.73E 0 3.7,3.6 **¶602390605**
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=21.1km az=59.0.
IDC XII 16 18 55 19.4–6.1 33.79N 136.55E 0 3.4,3.3b ¶602391485
IDC Error ellipse: s-maj=434.1km s-min=30.2km az=108.0.
ISC XII 25 09 37 30.3–.83 34.24N–.10 135.90E–.09 381 3.0b 24 0-58
ISCJB XII 25 09 37 30.0–.50 34.27N–.10 135.89E–.10 381 3.0b **¶602380579**
IDC XII 25 09 37 30.0–1.4 34.15N 135.96E 379–17 3.6,3.0
JMA XII 25 09 37 30.6–.20 34.33N 135.87E 381–2 2.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=10.7km az=165.8.
IDC Error ellipse: s-maj=21.0km s-min=15.4km az=86.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

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ISC VII 05 23 18 38.7–2.1 27.02N–.08 126.79E–.07 23–16 3.5b 19 1-51
IDC VII 05 23 18 30.7–2.0 28.11N 129.51E 0 3.7,3.6 **¶603635073**
ISCJB VII 05 23 18 37.2–1.5 27.10N–.07 126.76E–.06 20–11 3.5b,3.6
JMA VII 05 23 18 37.4–.20 27.09N 126.74E 30–3 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=22.8km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=8.5km az=159.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA VII 15 20 12 28.6–.20 28.16N 127.12E 194–4 3.8 ¶603640969
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC IX 25 06 19 07.2–999 29.34N 127.67E 0 ¶601864135
IDC Error ellipse: s-maj=568.4km s-min=212.1km az=39.0.
ISC IX 25 08 24 40.0–.80 27.76N–.06 126.63E–.09 207–7 3.8b 47 1-93
NIED IX 25 08 24 00 27.90N 126.60E 200 4.0W **¶601864142**
ISCJB IX 25 08 24 39.1–.47 27.74N–.05 126.68E–.08 212–5 3.7b
JMA IX 25 08 24 42.2–.20 27.89N 126.60E 172 4.3
IDC IX 25 08 24 42.1–1.8 27.79N 126.56E 228–17 4.1,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ40.00000°,λ-30.00000°. NP2:ϕ_s333.00000°,δ71.00000°,λ-126.00000°. $M_0$1.12000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=7.9km az=15.7.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=8.0km az=77.0.
JMA X 09 03 09 25.5–.20 28.86N 127.96E 162 3.6 ¶606042179
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC X 21 16 34 22.9–.85 27.36N–.08 126.89E–.09 147–10 3.8b 37 1-71
ISCJB X 21 16 34 22.1–.44 27.30N–.06 126.92E–.07 156–6 3.6b **¶601999186**
IDC X 21 16 34 22.4–2.0 27.29N 126.79E 140–29 4.0,3.6
JMA X 21 16 34 23.9–.30 27.38N 126.86E 138–5 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.4km az=44.6.
IDC Error ellipse: s-maj=59.6km s-min=14.6km az=68.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
JMA X 29 08 34 32.2–.30 27.81N 126.88E 152 3.5 ¶606053115
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC XI 24 21 56 38.0–.99 27.2N–.10 126.05E–.08 169–12 3.5b 35 1-51
ISCJB XI 24 21 56 37.6–.52 27.10N–.08 126.12E–.08 178–8 3.4b **¶602389945**
JMA XI 24 21 56 38.2–.30 27.19N 126.05E 170 3.5
IDC XI 24 21 56 38.6–4.4 27.24N 126.25E 176–64 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=5.6km az=141.3.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=123.1km s-min=15.0km az=63.0.
ISC XI 27 08 31 11.9–2.1 31.15N–.05 128.85E–.06 3–13 3.5b 26 1-60
NIED XI 27 08 31 00 31.20N 128.80E 11 4.1W **¶602390050**
JMA XI 27 08 31 11.4–.30 31.19N 128.80E 7–3 4.1
IDC XI 27 08 31 11.9–1.0 31.11N 128.82E 0 3.7,3.6
ISCJB XI 27 08 31 12.2–2.0 31.16N–.04 128.80E–.05 15–14 3.5b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ71.00000°,λ-179.00000°. NP2:ϕ_s86.00000°,δ89.00000°,λ-19.00000°. $M_0$1.40000×10^{15}
ISCJB Event type ke.
JMA XII 04 22 45 32.7–.20 31.23N 128.85E 0 3.5
NIED XII 04 22 45 00 31.20N 128.80E 11 3.5W **¶603711594**
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s356.00000°,δ79.00000°,λ-174.00000°. NP2:ϕ_s264.00000°,δ84.00000°,λ-11.00000°. $M_0$1.84000×10^{14}

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ISC VII 03 17 38 36.9–.74 32.77N–.03 130.51E–.04 12 4.0b 17 0-74
NIED VII 03 17 38 00 32.80N 130.50E 5 3.7W **¶601663443**
IDC VII 03 17 38 32.8–1.5 33.18N 131.58E 0 3.8,3.8b
ISCJB VII 03 17 38 35.6–.51 32.80N–.03 130.48E–.05 12 3.8b,3.8b
JMA VII 03 17 38 36.3 32.78N 130.50E 10–1 3.7,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s99.00000°,δ47.00000°,λ-69.00000°. NP2:ϕ_s250.00000°,δ47.00000°,λ-111.00000°. $M_0$3.49000×10^{14}
IDC Error ellipse: s-maj=24.7km s-min=10.9km az=161.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.7km az=172.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s220.00000°,δ60.00000°,λ-114.00000°. NP2:ϕ_s82.00000°,δ38.00000°,λ-55.00000°. Principal axes: T Plg12.0000°,Azm327.0000°; N Plg21.0000°,Azm232.0000°; P Plg66.0000°,Azm85.0000°
ISC VII 03 18 30 42.4–1.5 30.08N–.06 131.12E–.08 29–9 3.7b,3.4s 37 0-77
NIED VII 03 18 30 00 30.10N 131.20E 20 4.2W,3.4s **¶601505927**
ISCJB VII 03 18 30 41.9–.74 30.07N–.04 131.12E–.08 43–6 3.7b,3.5s
JMA VII 03 18 30 41.3–.10 30.06N 131.21E 25–1 3.9,3.5s
IDC VII 03 18 30 43.9–3.1 30.14N 130.88E 36–27 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ29.00000°,λ49.00000°. NP2:ϕ_s40.00000°,δ68.00000°,λ110.00000°. $M_0$2.11000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.1km az=22.3.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=15.9km az=111.0.
JMA VII 09 07 23 24.3 32.57N 130.05E 11–1 0.1 ¶603636825
ISC VII 25 17 20 10.8–.27 30.97N–.03 130.44E–.03 140–2 4.8b 772 0-155
NIED VII 25 17 20 00 31.00N 130.40E 130 5.0W **¶601468519**
BJI VII 25 17 20 07.4 30.84N 130.65E 135 4.9b,4.9b
ISCJB VII 25 17 20 09.8–.17 30.98N–.02 130.41E–.02 140–1 4.7b,4.9b
MOS VII 25 17 20 10.6–1.1 31.01N 130.42E 150 4.8b,4.9b
JMA VII 25 17 20 11.5–.10 31.00N 130.45E 131–1 4.7,4.9b

IDC VII 25 17 20 11.3–.39 31.05N 130.40E 142–2 4.8,4.5
NEIC VII 25 17 20 11.1–.12 30.98N 130.35E 137 5.0b,4.5
GCMT VII 25 17 20 11.1–.20 31.05N 130.37E 138–2 5.0W,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ41.00000°,λ166.00000°. NP2:ϕ_s344.00000°,δ81.00000°,λ50.00000°. $M_0$3.01000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=135.0.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=111.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s336.00000°,δ86.00000°,λ41.00000°. NP2:ϕ_s242.00000°,δ49.00000°,λ174.00000°. Principal axes: T Plg31.0000°,Azm207.0000°; N Plg49.0000°,Azm341.0000°; P Plg24.0000° ,Azm102.0000°
IDC Error ellipse: s-maj=8.0km s-min=6.7km az=97.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=137.0. Felt at Kagoshima, Kanoya, Miyazaki and Nobeoka. Recorded [3 JMA] in Kagoshima and [2 JMA] on Tanega-shima.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s32,c38; s98,c167; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.90±.12 $M_{\theta\theta}$1.01±.11; $M_{\phi\phi}$-1.92±.12; $M_{r\theta}$-1.34±.09; $M_{\theta\phi}$-2.21±.12; $M_{\phi r}$3.14±.10; Best double couple: NP1:ϕ_s347.00000°,δ82.00000° ,λ52.00000°. NP2:ϕ_s247.00000°,δ38.00000°,λ168.00000°. Principal axes: T 4.5360,Plg40.0000°,Azm222.0000°; N -0.3080,Plg37.0000°,Azm353.0000° ; P -4.2340,Plg27.0000°,Azm106.0000° $M_0$4.38500×10^{16}
ISC VII 29 17 33 12.4–.73 32.62N–.05 131.82E–.04 49–6 3.7b 38 0-84
NIED VII 29 17 33 00 32.60N 131.90E 47 4.0W **¶601666636**
ISCJB VII 29 17 33 11.5–.39 32.62N–.04 131.81E–.04 59–3 3.7b,3.1s
JMA VII 29 17 33 12.7 32.62N 131.83E 47–1 3.8,3.1s
IDC VII 29 17 33 14.0–1.2 32.61N 131.64E 65–9 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ23.00000°,λ-52.00000°. NP2:ϕ_s163.00000°,δ72.00000°,λ-105.00000°. $M_0$1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=154.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ70.00000°,λ-121.00000°. NP2:ϕ_s48.00000°,δ37.00000°,λ-35.00000°. Principal axes: T Plg19.0000°,Azm280.0000°; N Plg29.0000°,Azm179.0000°; P Plg54.0000° ,Azm38.0000°
IDC Error ellipse: s-maj=18.7km s-min=15.3km az=57.0.
ISC VIII 14 16 09 14.2–.89 32.78N–.05 130.72E–.08 12 11 0-56
IDC VIII 14 16 09 12.3–1.4 32.78N 130.61E 0 3.5,3.4 **¶601561823**
ISCJB VIII 14 16 09 14.9–.76 32.86N–.04 130.79E–.07 12 3.5b,3.4
JMA VIII 14 16 09 14.9 32.85N 130.79E 13–1 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=10.1km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.8km az=165.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s86.00000°,δ51.00000°,λ-98.00000°. NP2:ϕ_s277.00000°,δ40.00000°,λ-81.00000°. Principal axes: T Plg5.0000°,Azm181.0000°; N Plg6.0000°,Azm90.0000°; P Plg82.0000° ,Azm314.0000°
ISC VIII 15 02 16 38.3–1.7 31.01N–.03 129.18E–.06 2–11 3.6b,3.0s 31 1-75
NIED VIII 15 02 16 00 31.00N 129.00E 5 3.9W,3.0s **¶601765865**
JMA VIII 15 02 16 37.9–.20 31.00N 129.04E 15–2 3.9,3.0s
ISCJB VIII 15 02 16 38.1–1.8 30.99N–.03 129.08E–.04 12–12 3.6b,3.0s
IDC VIII 15 02 16 38.2–.84 30.92N 129.14E 0 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ35.00000°,λ-97.00000°. NP2:ϕ_s244.00000°,δ55.00000°,λ-85.00000°. $M_0$6.84000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=144.7.
IDC Error ellipse: s-maj=27.7km s-min=15.9km az=79.0.
ISC VIII 16 23 46 48.8–.68 32.06N–.03 130.08E–.03 26–4 4.8b,4.1s 357 0-161
NIED VIII 16 23 46 00 32.10N 130.00E 8 4.7W,4.1s **¶601564508**
IDC VIII 16 23 46 44.3–.40 32.07N 130.05E 0 4.5,4.3
ISCJB VIII 16 23 46 46.1–.48 32.08N–.02 130.02E–.02 16–3 4.7b,4.1s
JMA VIII 16 23 46 46.0 32.06N 130.00E 10–1 4.9,4.1s
BJI VIII 16 23 46 46.9 32.08N 130.14E 20 4.9b,4.8s
GCMT VIII 16 23 46 46.5–.40 32.06N–.02 129.97E–.03 17–1 4.8W,4.8s
NEIC VIII 16 23 46 48.5–.97 32.02N 130.01E 23–6 4.9b,4.8s
MOS VIII 16 23 46 49.2–1.1 32.09N 130.04E 42 4.9b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ63.00000°,λ-24.00000°. NP2:ϕ_s219.00000°,δ69.00000°,λ-151.00000°. $M_0$1.45000×10^{16}
IDC Error ellipse: s-maj=10.8km s-min=8.8km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.2km az=168.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s242.00000°,δ53.00000°,λ-119.00000°. NP2:ϕ_s104.00000°,δ46.00000°,λ-57.00000°. Principal axes: T Plg4.0000°,Azm352.0000°; N Plg23.0000°,Azm260.0000°; P Plg67.0000° ,Azm91.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c19; s64,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98±.14 $M_{\theta\theta}$2.01±.11; $M_{\phi\phi}$-1.03±.08; $M_{r\theta}$0.22±.22; $M_{\theta\phi}$0.63±.07; $M_{\phi r}$0.33±.25; Best double couple: NP1:ϕ_s221.00000°,δ69.00000°,λ-148.00000°. NP2:ϕ_s118.00000°,δ61.00000°,λ-25.00000°. Principal axes: T 2.1620,Plg5.0000° ,Azm348.0000°; N -0.7920,Plg52.0000°,Azm252.0000°; P -1.3680,Plg37.0000° ,Azm82.0000° $M_0$1.76500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=163.0. Felt at Arao and Kanoya. Recorded [4 JMA] in Kagoshima and Kumamoto.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=96.6.
ISC VIII 19 04 28 19.2–1.4 30.04N–.04 131.15E–.08 31–9 3.8b,3.0s 44 0-89
NIED VIII 19 04 28 00 30.00N 131.30E 20 4.1W,3.0s **¶601766131**
JMA VIII 19 04 28 17.7–.10 29.96N 131.26E 24–1 3.8,3.0s
ISCJB VIII 19 04 28 18.7–.71 30.00N–.03 131.19E–.07 44–6 3.8b,3.1s
IDC VIII 19 04 28 20.3–4.2 30.12N 130.97E 33–33 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ27.00000°,λ59.00000°. NP2:ϕ_s37.00000°,δ67.00000°,λ104.00000°. $M_0$1.72000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=3.8km az=18.9.
IDC Error ellipse: s-maj=28.2km s-min=17.3km az=95.0.
ISC VIII 27 10 54 11.4–.61 31.09N–.03 131.45E–.06 32 3.9b,3.8s 46 0-148
NIED VIII 27 10 54 00 31.10N 131.50E 32 4.3W,3.8s **¶601766562**
ISCJB VIII 27 10 54 09.1–.49 31.05N–.03 131.66E–.05 32 3.9b,3.7s
JMA VIII 27 10 54 11.5–.10 31.09N 131.53E 31–1 4.1,3.7s
IDC VIII 27 10 54 13.2–1.8 31.13N 131.32E 49–17 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ23.00000°,λ94.00000°. NP2:ϕ_s16.00000°,δ67.00000°,λ88.00000°. $M_0$2.84000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=15.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=14.0km az=90.0.
ISC VIII 27 10 58 45.7–.76 31.13N–.04 131.30E–.06 46–6 4.0b 67 0-148
NIED VIII 27 10 58 00 31.10N 131.50E 35 4.3W **¶601766563**
ISCJB VIII 27 10 58 44.5–.46 31.12N–.03 131.42E–.06 57–3 4.0b,3.8s
JMA VIII 27 10 58 44.5–.10 31.09N 131.52E 29–1 4.0,3.8s
NEIC VIII 27 10 58 44.7–.66 31.16N 131.22E 36–6 4.4b,3.8s
IDC VIII 27 10 58 45.7–1.9 31.14N 131.22E 44–18 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ13.00000°,λ89.00000°. NP2:ϕ_s15.00000°,δ77.00000°,λ90.00000°. $M_0$3.49000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.8km az=20.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.7km az=100.0. Recorded [1 JMA] in Kagoshima and Miyazaki.
IDC Error ellipse: s-maj=19.2km s-min=12.1km az=89.0.
JMA IX 01 23 56 55.8–.10 31.72N 131.98E 27–1 3.6
NIED IX 01 23 56 00 31.70N 132.00E 17 3.7W **¶603667638**
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ33.00000°,λ89.00000°. NP2:ϕ_s32.00000°,δ57.00000°,λ91.00000°. $M_0$4.42000×10^{14}
ISC IX 22 04 14 53.3–1.1 30.77N–.04 131.42E–.08 45–9 4.1b 44 0-85
NIED IX 22 04 14 00 30.70N 131.50E 35 4.1W **¶601768522**
ISCJB IX 22 04 14 52.0–.61 30.75N–.03 131.47E–.07 56–4 4.0b,3.2s
JMA IX 22 04 14 52.6–.10 30.75N 131.47E 47–1 3.7,3.2s
IDC IX 22 04 14 53.8–1.9 30.83N 131.40E 50–19 4.0,3.9
NEIC IX 22 04 14 54.0–1.2 30.81N 131.35E 52–11 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ23.00000°,λ-118.00000°. NP2:ϕ_s199.00000°,δ70.00000°,λ-79.00000°. $M_0$1.34000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.1km az=15.8.
IDC Error ellipse: s-maj=26.6km s-min=12.9km az=66.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=73.0.
IDC IX 24 03 51 27.6–902 31.72N 131.30E 0 ¶601864072
IDC Error ellipse: s-maj=341.3km s-min=162.0km az=44.0.
JMA X 10 07 51 18.6 32.37N 131.97E 19–1 3.5
NIED X 10 07 51 00 32.40N 132.00E 23 3.3W **¶603687164**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ71.00000°,λ4.00000°. NP2:ϕ_s219.00000°,δ86.00000°,λ161.00000°. $M_0$1.18000×10^{14}
ISC X 14 14 27 37.9–1.0 32.31N–.07 131.25E–.06 71–8 18 0-100
ISCJB X 14 14 27 36.5–.72 32.29N–.07 131.29E–.07 80–6 3.6b **¶601998219**
JMA X 14 14 27 38.6 32.31N 131.26E 68–1 2.7
IDC X 14 14 27 38.2–1.1 33.71N 130.48E 0 3.8,3.8b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.0km az=148.7.
IDC Error ellipse: s-maj=40.2km s-min=14.2km az=58.0.
ISC X 16 13 39 25.9–.26 31.22N–.03 130.33E–.03 173–2 5.1b 1020 0-164
NIED X 16 13 39 00 31.20N 130.30E 170 5.2W **¶601836661**
BJI X 16 13 39 21.8 31.05N 130.59E 168 5.2b,4.9b
ISCJB X 16 13 39 24.7–.15 31.19N–.02 130.26E–.02 173–1 5.1b,4.9b
MOS X 16 13 39 25.4–.91 31.24N 130.25E 180 5.2b,4.9b
NEIC X 16 13 39 25.6–.10 31.22N 130.20E 169 5.3b,4.9b
IDC X 16 13 39 26.1–.35 31.26N 130.29E 173–2 5.1,4.7
JMA X 16 13 39 26.1–.10 31.20N 130.33E 166–1 5.0,4.7
GCMT X 16 13 39 27.6–.20 31.27N–.02 130.29E–.01 182–1 5.2W,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ20.00000°,λ99.00000°. NP2:ϕ_s8.00000°,δ70.00000°,λ87.00000°. $M_0$6.03000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Kagoshima and Miyazaki.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s358.00000°,δ71.00000°,λ63.00000°. NP2:ϕ_s235.00000°,δ33.00000°,λ142.00000°. Principal axes: T Plg56.0000°,Azm233.0000°; N Plg25.0000°,Azm8.0000°; P Plg21.0000° ,Azm108.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c72; s108,c180;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.25±.17 $M_{\theta\theta}$-0.80±.17; $M_{\phi\phi}$-3.45±.19; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$-1.20±.17; $M_{\phi r}$6.15±.15; Best double couple: NP1:ϕ_s5.00000°,δ74.00000°,λ82.00000°. NP2:ϕ_s212.00000°,δ18.00000°,λ116.00000°. Principal axes: T 7.6880,Plg61.0000° ,Azm263.0000°; N -0.6430,Plg8.0000°,Azm7.0000°; P -7.0440,Plg28.0000°,Azm101.0000° $M_0$7.36600×10^{16}
ISC X 20 02 49 14.6–.85 30.05N–.03 131.20E–.04 24–5 4.6b,4.3s 203 0-139
NIED X 20 02 49 00 30.00N 131.30E 20 4.7W,4.3s **¶601839318**
BJI X 20 02 49 09.8 29.87N 131.45E 21 4.8b,4.6s
IDC X 20 02 49 11.0–.61 30.12N 130.94E 0 4.4,4.3
MOS X 20 02 49 12.6–.94 30.10N 131.01E 24 4.8b,4.5s
JMA X 20 02 49 13.9–.10 30.05N 131.27E 24–1 4.6,4.5s
ISCJB X 20 02 49 14.7–.42 30.08N–.02 131.20E–.04 42–3 4.5b,4.3s
NEIC X 20 02 49 15.3–1.5 30.11N 130.99E 25–11 4.5b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ31.00000°,λ57.00000°. NP2:ϕ_s37.00000°,δ65.00000°,λ108.00000°. $M_0$1.35000×10^{16}
IDC Error ellipse: s-maj=19.1km s-min=12.8km az=88.0.
MOS Error ellipse: s-maj=10.4km s-min=5.6km az=110.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=22.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=5.4km az=116.0. Recorded [1 JMA] on Tanega-shima.
ISC X 23 21 23 19.4–1.4 30.43N–.06 131.19E–.09 31–7 3.4b 23 0-54
IDC X 23 21 23 15.6–1.6 30.31N 130.68E 0 3.4,3.2b **¶601999413**
ISCJB X 23 21 23 17.8–1.2 30.34N–.04 131.28E–.08 28–6 3.2b,2.6s
JMA X 23 21 23 18.1–.10 30.36N 131.27E 28–1 3.1,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=82.5km s-min=22.7km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.0km az=22.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 25 16 54 15.5–.43 31.95N–.03 131.77E–.03 34–1 4.8b,4.1s 306 0-156
NIED X 25 16 54 00 31.90N 131.90E 32 4.6W,4.1s **¶606051262**
BJI X 25 16 54 09.6 31.60N 132.36E 42 4.7b,4.5b
MOS X 25 16 54 14.1–1.2 31.88N 131.61E 35 4.7b,4.5b
JMA X 25 16 54 14.6–.10 31.94N 131.90E 27–1 4.4,4.5b
ISCJB X 25 16 54 14.5–.54 31.90N–.02 131.67E–.03 33–3 4.7b,4.1s
IDC X 25 16 54 15.2–.43 31.92N 131.63E 34–3 4.2,4.1
NEIC X 25 16 54 16.1–1.3 31.93N 131.61E 34–9 4.8b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ19.00000°,λ113.00000°. NP2:ϕ_s41.00000°,δ72.00000°,λ82.00000°. $M_0$8.17000×10^{15}
MOS Error ellipse: s-maj=8.4km s-min=5.5km az=103.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ73.00000°,λ77.00000°. NP2: ϕ_s253.00000°,δ21.00000°,λ127.00000°. Principal axes: T Plg60.0000°,Azm286.0000° ; N Plg12.0000°,Azm39.0000°; P Plg27.0000°,Azm135.0000°
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=143.2.
IDC Error ellipse: s-maj=13.5km s-min=8.5km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=147.0. Recorded [2 JMA] in Kagoshima and Miyazaki.
JMA X 29 06 42 32.0 33.08N 131.09E 10–1 1.1 ¶606053079
ISC X 29 23 54 51.9–1.1 31.91N–.06 131.68E–.05 38–1 3.8b 24 0-87
NIED X 29 23 54 00 32.00N 131.70E 32 3.9W **¶602000382**
IDC X 29 23 54 43.5–2.0 31.37N 131.38E 0 4.0,3.9L
ISCJB X 29 23 54 51.6–.68 31.90N–.05 131.72E–.06 46–6 3.8b,3.5s
JMA X 29 23 54 52.5–.10 31.97N 131.66E 36–1 3.7,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s103.00000°,δ27.00000°,λ11.00000°. NP2:ϕ_s3.00000°,δ85.00000°,λ116.00000°. $M_0$7.71000×10^{14}
IDC Error ellipse: s-maj=42.9km s-min=26.4km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.3km az=139.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ90.00000°,λ106.00000°. NP2: ϕ_s92.00000°,δ16.00000°,λ0.00000°. Principal axes: T Plg43.0000°,Azm287.0000° ; N Plg16.0000°,Azm182.0000°; P Plg43.0000°,Azm76.0000°
ISC XI 03 16 56 36.2–1.4 31.55N–.04 131.82E–.07 33–6 3.4b 27 0-76
NIED XI 03 16 56 00 31.50N 131.90E 26 3.9W **¶602388776**
IDC XI 03 16 56 31.9–1.1 31.48N 131.68E 0 3.5,3.4
ISCJB XI 03 16 56 35.9–.81 31.56N–.04 131.87E–.08 48–7 3.4b,2.9s
JMA XI 03 16 56 35.9–.10 31.54N 131.87E 24–1 3.8,2.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ43.00000°,λ135.00000°. NP2:ϕ_s23.00000°,δ61.00000°,λ56.00000°. $M_0$7.95000×10^{14}
IDC Error ellipse: s-maj=28.0km s-min=11.6km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.9km az=10.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ87.00000°,λ82.00000°. NP2: ϕ_s282.00000°,δ8.00000°,λ161.00000°. Principal axes: T Plg47.0000°,Azm293.0000° ; N Plg8.0000°,Azm31.0000°; P Plg42.0000°,Azm128.0000°
IDC XI 04 17 25 58.3–355 32.15N 131.87E 0 ¶602388811
IDC Error ellipse: s-maj=179.9km s-min=115.7km az=87.0.
ISC XI 19 06 46 15.2–1.2 33.07N–.08 131.23E–.03 12 12 0-32
ISCJB XI 19 06 46 13.6–.83 33.07N–.07 131.23E–.04 12 3.3b,2.5s **¶602389644**
JMA XI 19 06 46 13.5 33.10N 131.23E 5–1 3.3,2.5s
IDC XI 19 06 46 14.5–2.6 33.06N 131.20E 0 3.4b,3.4
ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.9km az=174.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s239.00000°,δ63.00000°,λ-131.00000°. NP2:ϕ_s121.00000°,δ48.00000°,λ-38.00000°. Principal axes: T Plg9.0000°,Azm357.0000°; N Plg36.0000°,Azm261.0000°; P Plg53.0000° ,Azm99.0000°
IDC Error ellipse: s-maj=48.0km s-min=10.5km az=1.0.

ISC	**XI**	**20 15 09 52.1–1.0**	**31.20N–.04**	**131.78E–.08**	**27–5**	**3.5b**	**24**	**1-55**
ISCJB	XI	20 15 09 51.7–1.2	31.20N–.04	131.85E–.10	38–14	3.5b		**¶602389741**
JMA	XI	20 15 09 51.0–.20	31.21N	131.86E	23–2	3.3		
IDC	XI	20 15 09 53.8–1.3	31.18N	131.65E	35–8	3.5,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.4km az=3.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=49.0km s-min=15.5km az=75.0.

ISC	**XI**	**22 14 43 41.4–.97**	**31.17N–.05**	**130.2E–.10**	**172–7**	**3.3b**	**23**	**0-69**
ISCJB	XI	22 14 43 40.7–.63	31.19N–.05	130.3E–.10	175–4	3.4b		**¶602389839**
IDC	XI	22 14 43 41.6–1.2	31.22N	129.99E	169–15	3.7,3.3		
JMA	XI	22 14 43 42.4–.10	31.21N	130.29E	166–1	2.7,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=7.9km az=8.1.
IDC Error ellipse: s-maj=42.2km s-min=16.4km az=94.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**XI**	**24 14 00 05.0–1.2**	**30.17N–.04**	**131.20E–.08**	**36–2**	**3.9b**	**40**	**0-77**
NIED	XI	24 14 00 00	30.10N	131.30E	23	3.9W		**¶602389937**
ISCJB	XI	24 14 00 02.2–1.0	30.10N–.03	131.34E–.07	30–5	3.8b		
JMA	XI	24 14 00 02.7–.20	30.10N	131.30E	25–1	3.6		
IDC	XI	24 14 00 18.7–32	31.25N	130.96E	105–139	3.9,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ30.00000°,λ101.00000°. NP2:ϕ_s26.00000°,δ61.00000°,λ84.00000°. $M_0$6.86000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.0km az=17.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=420.2km s-min=59.0km az=169.0.

ISC	**XI**	**28 12 11 46.2–.78**	**31.11N–.05**	**130.32E–.09**	**146–6**	**3.6b**	**24**	**0-76**
ISCJB	XI	28 12 11 45.1–.50	31.14N–.05	130.4E–.10	149–4	3.8b		**¶602390118**
IDC	XI	28 12 11 45.3–7.2	31.08N	130.24E	132–57	3.7,3.4		
JMA	XI	28 12 11 47.2–.10	31.14N	130.40E	139–1	3.2,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.8km az=1.0.
IDC Error ellipse: s-maj=81.9km s-min=17.5km az=66.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**XII**	**02 07 29 04.2–.61**	**33.30N–.05**	**131.83E–.04**	**70–5**	**4.0b**	**41**	**0-83**
NIED	XII	02 07 29 00	33.40N	131.80E	71	4.1W		**¶602390336**
ISCJB	XII	02 07 29 03.0–.38	33.32N–.05	131.84E–.04	77–3	3.8b		
JMA	XII	02 07 29 04.2	33.34N	131.82E	70–1	3.9		
IDC	XII	02 07 29 04.2–.61	33.30N	131.75E	70–5	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ56.00000°,λ-171.00000°. NP2:ϕ_s225.00000°,δ82.00000°,λ-34.00000°. $M_0$1.66000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.2km az=167.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s313.00000°,δ77.00000°,λ-139.00000°. NP2:ϕ_s212.00000°,δ50.00000°,λ-17.00000°. Principal axes: T Plg17.0000°,Azm77.0000°; N Plg47.0000°,Azm328.0000°; P Plg38.0000° ,Azm181.0000°
IDC Error ellipse: s-maj=10.3km s-min=10.1km az=66.0.

JMA	**XII**	**21 08 06 22.9**	**32.06N**	**130.94E**	**9–1**	**1.7**		
								¶606075830
ISC	**XII**	**27 12 48 50.8–1.1**	**31.14N–.05**	**130.3E–.10**	**157–8**		**21**	**0-55**
IDC	XII	27 12 48 38.2–1.6	30.26N	130.02E	0	3.5,3.4b		**¶602380717**
ISCJB	XII	27 12 48 49.7–.71	31.14N–.05	130.4E–.10	165–5	3.2b,3.4b		
JMA	XII	27 12 48 51.0–.10	31.17N	130.34E	157–1	3.2,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=21.6km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.9km az=5.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

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JMA	**VII**	**10 13 19 58.1**	**33.78N**	**134.31E**	**5**	**0.6**	
							¶603637995
JMA	**VII**	**29 07 42 03.9**	**32.90N**	**132.12E**	**40–1**	**0.5**	
							¶603648372

ISC	**VIII**	**20 17 22 15.5–.85**	**33.26N–.05**	**132.16E–.04**	**47–8**	**3.4b**	**28**	**0-83**
NIED	VIII	20 17 22 00	33.30N	132.20E	47	3.8W		**¶601766207**
ISCJB	VIII	20 17 22 14.5–.44	33.26N–.04	132.16E–.04	57–4	3.4b,2.8s		
JMA	VIII	20 17 22 15.6	33.27N	132.15E	46	3.8,2.8s		
IDC	VIII	20 17 22 15.3–1.1	33.31N	132.15E	48–13	3.8L,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ50.00000°,λ-124.00000°. NP2:ϕ_s69.00000°,δ51.00000°,λ-56.00000°. $M_0$6.31000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.5km az=158.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s198.00000°,δ62.00000°,λ-124.00000°. NP2:ϕ_s74.00000°,δ43.00000°,λ-43.00000°. Principal axes: T Plg11.0000°,Azm312.0000°; N Plg30.0000°,Azm216.0000°; P Plg58.0000° ,Azm60.0000°
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=152.0.

ISC	**IX**	**08 01 41 24.8–.46**	**33.78N–.03**	**132.31E–.03**	**54–4**	**4.5b,3.5s**	**314**	**0-151**
NIED	IX	08 01 41 00	33.80N	132.30E	53	4.5W,3.5s		**¶601695801**
BJI	IX	08 01 41 17.5	33.31N	132.87E	45	4.6b,4.4b		
MOS	IX	08 01 41 23.4–1.1	33.74N	132.23E	54	4.8b,4.4b		
ISCJB	IX	08 01 41 23.8–.24	33.78N–.02	132.23E–.03	53–2	4.5b,3.5s		
JMA	IX	08 01 41 24.8	33.81N	132.31E	50	4.5,3.5s		
NEIC	IX	08 01 41 25.2–.16	33.77N	132.21E	53	4.6b,3.5s		
IDC	IX	08 01 41 25.8–1.1	33.78N	132.11E	61–10	4.3,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ8.00000°,λ68.00000°. NP2:ϕ_s321.00000°,δ83.00000°,λ93.00000°. $M_0$6.88000×10^{15}
MOS Error ellipse: s-maj=7.6km s-min=5.0km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.4km az=32.5.
JMA Felt [III] J1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ72.00000°,λ79.00000°. NP2:ϕ_s177.00000°,δ21.00000°,λ120.00000°. Principal axes: T Plg62.0000°,Azm218.0000°; N Plg11.0000°,Azm329.0000°; P Plg26.0000° ,Azm64.0000°
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.6km az=156.0. Felt at Matsuyama. Also felt at Iwakuni and Kure, Honshu. Recorded [3 JMA] in Ehime, Shikoku and in Hiroshima and Yamaguchi, Honshu. Recorded [2 JMA] in Oita, Kyushu.
IDC Error ellipse: s-maj=11.8km s-min=8.2km az=97.0.

ISC	**X**	**09 20 49 34.7–.63**	**32.68N–.04**	**132.45E–.03**	**34–1**	**4.6b,3.6s**	**132**	**0-98**
NIED	X	09 20 49 00	32.70N	132.50E	35	4.5W,3.6s		**¶601819583**
BJI	X	09 20 49 32.0	32.29N	132.71E	42	4.5b,4.4b		
ISCJB	X	09 20 49 33.8–.38	32.68N–.03	132.44E–.03	42–3	4.5b,3.7s		
IDC	X	09 20 49 34.9–.62	32.73N	132.35E	33–4	4.0,3.9L		
JMA	X	09 20 49 35.0	32.69N	132.49E	33–1	4.5,3.9L		
NEIC	X	09 20 49 35.4–.47	32.66N	132.35E	38–4	4.7b,3.9L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ73.00000°,λ-7.00000°. NP2:ϕ_s140.00000°,δ83.00000°,λ-163.00000°. $M_0$6.08000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=156.5.
IDC Error ellipse: s-maj=12.6km s-min=9.8km az=45.0.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=141.0. Recorded [3 JMA] in Ehime and Kochi. Also recorded [3 JMA] in Oita, Kyushu.

ISC	**X**	**13 15 14 22.8–1.0**	**32.77N–.05**	**132.27E–.03**	**34–3**	**3.7b**	**32**	**0-83**
NIED	X	13 15 14 00	32.80N	132.30E	32	4.1W		**¶601998133**
ISCJB	X	13 15 14 22.5–.45	32.74N–.05	132.31E–.04	49–4	3.6b,3.2s		
JMA	X	13 15 14 23.5	32.77N	132.29E	36–1	4.1,3.2s		
IDC	X	13 15 14 26.2–1.6	32.89N	132.18E	73–14	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ42.00000°,λ-101.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ-81.00000°. $M_0$1.35000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.6km az=153.9.
JMA Event type fe.
IDC Error ellipse: s-maj=20.0km s-min=19.1km az=41.0.

ISC	**X**	**26 19 44 37.4–.89**	**33.47N–.04**	**133.49E–.03**	**27–6**	**4.5b,3.6s**	**121**	**0-82**
NIED	X	26 19 44 00	33.50N	133.50E	32	4.3W,3.6s		**¶601851722**
BJI	X	26 19 44 28.3	33.12N	134.06E	8	4.7b,4.3b		
ISCJB	X	26 19 44 36.7–.32	33.47N–.03	133.49E–.02	40–3	4.4b,3.6s		
JMA	X	26 19 44 37.9	33.51N	133.47E	34	4.5,3.6s		
NEIC	X	26 19 44 37.1–1.1	33.44N	133.41E	28–7	4.6b,3.6s		
IDC	X	26 19 44 38.3–2.0	33.45N	133.46E	35–16	4.0,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ69.00000°,λ-11.00000°. NP2:ϕ_s316.00000°,δ79.00000°,λ-159.00000°. $M_0$3.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.1km az=156.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s326.00000°,δ60.00000°,λ-142.00000°. NP2:ϕ_s215.00000°,δ58.00000°,λ-37.00000°. Principal axes: T Plg1.0000°,Azm90.0000°; N Plg43.0000°,Azm359.0000°; P Plg47.0000° ,Azm181.0000°
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=137.0. Recorded [3 JMA] in Ehime, Kagawa, Kochi and Tokushima. Also recorded [3 JMA] in Hiroshima, Honshu.
IDC Error ellipse: s-maj=13.2km s-min=11.3km az=147.0.

ISC	**XII**	**18 23 57 37.8–1.0**	**33.97N–.05**	**134.46E–.03**	**43–8**	**3.1b**	**24**	**0-41**
NIED	XII	18 23 57 00	34.00N	134.50E	35	3.6W		**¶602391633**
ISCJB	XII	18 23 57 37.5–.54	33.97N–.05	134.46E–.04	46–5	3.1b		
JMA	XII	18 23 57 38.4	33.97N	134.47E	39–1	3.5		
IDC	XII	18 23 57 42.5–11	35.51N	134.12E	0	3.3,3.3L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ53.00000°,λ26.00000°. NP2:ϕ_s331.00000°,δ69.00000°,λ140.00000°. $M_0$2.56000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.7km az=169.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s336.00000°,δ80.00000°,λ145.00000°. NP2:ϕ_s73.00000°,δ56.00000°,λ12.00000°. Principal axes: T Plg31.0000°,Azm289.0000°; N Plg54.0000°,Azm142.0000°; P Plg16.0000° ,Azm29.0000°
IDC Error ellipse: s-maj=321.1km s-min=33.1km az=3.0.

ISC	**XII**	**22 06 15 31.0–.58**	**33.49N–.03**	**132.27E–.03**	**52–5**	**4.5b,3.6s**	**205**	**0-155**
NIED	XII	22 06 15 00	33.50N	132.30E	44	4.4W,3.6s		**¶602056307**
BJI	XII	22 06 15 29.4	33.30N	132.34E	60	4.8b,4.6b		
ISCJB	XII	22 06 15 29.1–.28	33.50N–.02	132.19E–.03	49–2	4.5b,3.5s		
JMA	XII	22 06 15 30.3	33.52N	132.30E	47	4.5,3.5s		
NEIC	XII	22 06 15 31.2–.51	33.47N	132.12E	55–4	4.6b,3.5s		
IDC	XII	22 06 15 33.3–1.1	33.52N	132.05E	81–11	4.3,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s336.00000°,δ24.00000°,λ-100.00000°. NP2:ϕ_s167.00000°,δ67.00000°,λ-85.00000°. $M_0$4.11000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.7km az=28.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s198.00000°,δ62.00000°,λ-60.00000°. NP2:ϕ_s328.00000°,δ40.00000°,λ-133.00000°. Principal axes: T Plg12.0000°,Azm267.0000°; N Plg26.0000°,Azm3.0000°; P Plg61.0000° ,Azm155.0000°
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=4.2km az=160.0. Felt [III] at Iwakuni, Honshu. Also felt at Onomichi. Recorded [3 JMA] in Yamaguchi. Also recorded [3 JMA] in Ehime, Shikoku.
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=84.0.

(237) Southeast of Shikoku.

ISC	**X**	**09 17 02 40.7–.92**	**32.9N–.10**	**136.50E–.10**	**430**	**3.4b**	**31**	**2-80**
ISCJB	X	09 17 02 39.7–.63	32.74N–.08	136.43E–.09	430	3.5b		**¶601997679**
IDC	X	09 17 02 40.9–1.1	32.91N	136.57E	437–14	3.9,3.2		
JMA	X	09 17 02 41.6–.40	32.84N	136.59E	430	3.1,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=7.7km az=141.3.
IDC Error ellipse: s-maj=28.3km s-min=11.3km az=73.0.
JMA Error ellipse: s-maj=7.8km s-min=3.7km az=-1.0.

JMA	**X**	**24 09 16 57.9–.30**	**32.53N**	**136.96E**	**453**	**3.8**		
								¶606050059

JMA Error ellipse: s-maj=6.7km s-min=2.8km az=-1.0.

JMA	**XI**	**01 13 56 46.5–.20**	**29.90N**	**132.03E**	**48**	**3.5**		
								¶606054705

JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC	**XI**	**22 17 31 46.1–2.7**	**30.07N–.04**	**132.24E–.06**	**15–16**	**3.8b**	**33**	**1-53**
IDC	XI	22 17 31 45.7–1.7	29.94N	132.27E	0	3.7,3.5		**¶602389845**
ISCJB	XI	22 17 31 47.1–1.8	30.04N–.03	132.23E–.06	33–17	3.6b,3.5		
JMA	XI	22 17 31 47.9–.10	30.06N	132.19E	65–4	3.4,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=31.1km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=9.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC	**XII**	**31 05 15 53.3–1.7**	**33.00N–.06**	**136.73E–.03**	**11–11**	**3.3b**	**43**	**1-56**
NIED	XII	31 05 15 00	33.00N	136.70E	5	4.0W		**¶602380471**
IDC	XII	31 05 15 52.6–1.5	32.92N	136.75E	0	3.5,3.3		
JMA	XII	31 05 15 53.9–.10	32.96N	136.74E	49–3	3.5,3.3		
ISCJB	XII	31 05 15 54.1–.92	32.99N–.04	136.73E–.03	30–6	3.3b,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ27.00000°,λ-10.00000°. NP2:ϕ_s168.00000°,δ86.00000°,λ-117.00000°. $M_0$9.58000×10^{14}
ISCJB Event type ke.

(238) Ryukyu Islands.

ISC	**VII**	**05 23 04 29.1–.63**	**29.21N–.03**	**130.61E–.04**	**25–4**	**4.7b,4.0s**	**333**	**1-99**
NIED	VII	05 23 04 00	29.30N	130.60E	17	4.6W,4.0s		**¶601243226**
IDC	VII	05 23 04 25.3–.49	29.36N	130.48E	0	4.5,4.4		
BJI	VII	05 23 04 26.1	29.06N	130.83E	35	4.6b,4.6b		
MOS	VII	05 23 04 28.7–.96	29.31N	130.48E	33	4.8b,4.0s		
JMA	VII	05 23 04 29.6–.10	29.26N	130.55E	68–3	4.4,4.0s		
ISCJB	VII	05 23 04 29.3–.34	29.23N–.02	130.60E–.03	42–2	4.6b,4.1s		
NEIC	VII	05 23 04 30.8–.31	29.30N	130.45E	36–2	4.7b,4.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s252.00000°,δ17.00000°,λ131.00000°. NP2:ϕ_s30.00000°,δ77.00000°,λ78.00000°. $M_0$9.17000×10^{15}
IDC Error ellipse: s-maj=13.7km s-min=12.3km az=107.0.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=109.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=38.3.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=147.0. Recorded [2 JMA] on Akuseki-jima and Suwanose-jima.

ISC	**VII**	**05 23 11 29.6–1.2**	**29.21N–.03**	**130.75E–.05**	**18–5**	**3.8b**	**49**	**1-87**
IDC	VII	05 23 11 27.8–1.8	29.26N	130.48E	0	4.2,4.2s		**¶601351259**
JMA	VII	05 23 11 31.2–.10	29.23N	130.68E	24	3.3,4.2s		
NEIC	VII	05 23 11 33.4–1.1	29.22N	130.43E	40–11	4.1b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=21.7km az=116.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.5km az=133.0.

ISC	**VII**	**06 19 21 59.6–1.1**	**25.89N–.08**	**126.92E–.05**	**22–7**	**3.8b,3.0s**	**31**	**0-85**
NIED	VII	06 19 21 00	25.90N	126.90E	23	3.9W,3.0s		**¶601663553**
ISCJB	VII	06 19 21 60.0–.79	25.95N–.06	126.85E–.06	36–7	3.7b,3.0s		
JMA	VII	06 19 21 59.0–.10	25.87N	126.89E	16–3	3.9,3.0s		
IDC	VII	06 19 22 02.3–2.7	25.98N	126.93E	41–26	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ82.00000°,λ-3.00000°. NP2:ϕ_s103.00000°,δ87.00000°,λ-172.00000°. $M_0$8.57000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.5km az=165.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=14.4km az=75.0.

JMA	**VII**	**06 20 00 24.2–.10**	**28.00N**	**129.60E**	**26–2**	**1.1**		
								¶603635651

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**VII**	**09 19 25 06.9–.28**	**29.27N–.03**	**130.28E–.03**	**42–2**	**5.2s,5.0b**	**999**	**1-167**
NIED	VII	09 19 25 00	29.30N	130.30E	38	5.5W,5.0b		**¶601624987**
BJI	VII	09 19 25 03.5	29.11N	130.46E	50	5.4b,5.4s		
IDC	VII	09 19 25 05.2–2.2	29.37N	130.19E	29–15	5.1,5.0		
MOS	VII	09 19 25 05.9–1.1	29.44N	130.12E	43	5.4b,5.3s		

JMA VII 09 19 25 06.2 29.33N 130.23E 51–2 5.3,5.3s
ISCJB VII 09 19 25 06.1–.25 29.34N–.02 130.17E–.02 45–2 5.2s,5.0b
GCMT VII 09 19 25 07.1–.10 29.23N 130.31E 34–0 5.6W,5.0b
NEIC VII 09 19 25 07.1–.50 29.38N 130.10E 39–4 5.6W,5.5W
NEIC VII 09 19 25 08.0–.00 29.19N 130.41E 40 5.6W,5.5W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ31.00000°,λ57.00000°. NP2:ϕ_s45.00000°,δ64.00000°,λ108.00000°. $M_0$2.35000×10^{17}
IDC Error ellipse: s-maj=10.2km s-min=9.2km az=86.0.
MOS Error ellipse: s-maj=5.6km s-min=3.7km az=105.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=43.8.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s107,c206; s109,c288;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.64±.04 $M_{\theta\theta}$-0.81±.03; $M_{\phi\phi}$-1.83±.03; $M_{r\theta}$1.00±.03; $M_{\theta\phi}$-1.14±.02; $M_{\phi r}$0.93±.03; Best double couple: NP1:ϕ_s39.00000°,δ59.00000°,λ96.00000°. NP2:ϕ_s207.00000°,δ32.00000°,λ80.00000°. Principal axes: T 2.9910,Plg75.0000°,Azm327.0000°; N -0.1040,Plg5.0000°,Azm216.0000° ; P -2.8880,Plg14.0000°,Azm125.0000° $M_0$2.94000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=147.0. Recorded [2 JMA] on Amami-oshima, Kikaiga-shima, Kuchino-shima, Nakano-shima and Tanega-shima. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.69 $M_{\theta\phi}$-0.62 $M_{\phi r}$0.88 Double couple: NP1:ϕ_s210.00000°,δ27.00000°,λ85.00000°. NP2: ϕ_s36.00000°,δ64.00000°,λ93.00000°. Principal axes: T 1.8800,Plg71.0000°,Azm312.0000° ; N -0.0700,Plg2.0000°,Azm215.0000°; P -1.8100,Plg19.0000°,Azm124.0000° $M_0$1.90000×10^{17}
NEIC Event type se. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-1.18 $M_{r\theta}$1.67 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.34 Best double couple: NP1:ϕ_s47.00000° ,δ70.00000°,λ96.00000°. NP2:ϕ_s211.00000°,δ21.00000°,λ75.00000°. Principal axes: T 2.9800,Plg64.0000°,Azm326.0000°; N -0.3600,Plg5.0000°,Azm225.0000° ; P -2.6200,Plg24.0000°,Azm132.0000° $M_0$2.80000×10^{17}
ISC VII 14 07 19 56.0–3.5 25.58N–.06 128.47E–.05 18–23 3.8b 28 1-51
IDC VII 14 07 19 54.2–1.3 25.51N 128.32E 0 3.8,3.7 **¶601664555**
JMA VII 14 07 19 57.4–.30 25.58N 128.35E 63–4 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=60.2km s-min=17.6km az=74.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VII 14 17 22 46.3–.96 28.65N–.03 129.63E–.04 24–8 3.6b 41 0-62
NIED VII 14 17 22 00 28.60N 129.60E 23 3.9W **¶601664576**
ISCJB VII 14 17 22 46.8–.43 28.64N–.02 129.65E–.04 28–3 3.5b
JMA VII 14 17 22 47.2–.10 28.65N 129.59E 15–3 3.8
IDC VII 14 17 22 49.0–1.7 28.69N 129.76E 44–18 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s79.00000°,δ64.00000°,λ-177.00000°. NP2:ϕ_s348.00000°,δ88.00000°,λ-26.00000°. $M_0$7.73000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.4km az=19.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=11.4km az=112.0.
ISC VII 16 00 36 22.5–.59 25.80N–.06 128.69E–.04 17–3 4.1b 60 1-93
NIED VII 16 00 36 00 25.90N 128.50E 11 4.1W **¶601465750**
IDC VII 16 00 36 19.6–.70 25.79N 128.63E 0 4.2,4.0L
ISCJB VII 16 00 36 21.9–.97 25.84N–.04 128.66E–.04 27–6 3.9b,2.8s
NEIC VII 16 00 36 22.5–3.9 25.78N 128.62E 18–24 4.3b,2.8s
JMA VII 16 00 36 24.2–.30 25.91N 128.54E 53 4.0,2.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ42.00000°,λ-76.00000°. NP2:ϕ_s38.00000°,δ49.00000°,λ-102.00000°. $M_0$1.74000×10^{15}
IDC Error ellipse: s-maj=24.8km s-min=13.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=7.1.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.4km az=80.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VII 29 14 56 18.2–.61 28.24N–.04 128.84E–.04 83–5 4.2b 111 0-151
NIED VII 29 14 56 00 28.30N 128.80E 77 4.1W **¶601484832**
BJI VII 29 14 56 16.8 28.08N 128.89E 96 4.5b,4.3b
ISCJB VII 29 14 56 17.5–.21 28.22N–.03 128.86E–.04 90–2 4.1b,4.3b
JMA VII 29 14 56 18.6–.10 28.32N 128.77E 68–2 3.8,4.3b
IDC VII 29 14 56 19.1–.72 28.25N 128.71E 93–8 4.1,3.9
NEIC VII 29 14 56 19.4–.53 28.18N 128.79E 96–5 4.5b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ51.00000°,λ-25.00000°. NP2:ϕ_s94.00000°,δ71.00000°,λ-138.00000°. $M_0$1.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=2.9km az=35.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.8km az=143.0. Recorded [1 JMA] in Kagoshima.
ISC VII 30 02 22 43.3–1.2 29.47N–.03 130.13E–.05 6–10 34 0-53
ISCJB VII 30 02 22 45.2–.66 29.52N–.04 130.17E–.06 24–7 3.5b **¶601650752**
JMA VII 30 02 22 45.4–.10 29.57N 130.15E 25–2 3.4
IDC VII 30 02 22 48.3–4.8 29.92N 128.58E 66–24 3.5,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=3.5km az=32.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=139.2km s-min=10.2km az=109.0.
JMA VIII 01 05 14 50.8–.10 28.65N 129.58E 13–2 3.5 ¶606005302
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VIII 02 12 15 43.1–2.8 24.17N–.08 126.09E–.05 30–19 3.6b 34 1-77
IDC VIII 02 12 15 39.0–.92 24.14N 125.94E 0 3.6,3.6 **¶601765346**
ISCJB VIII 02 12 15 41.9–1.5 24.15N–.05 126.13E–.04 33–10 3.5b,3.6
JMA VIII 02 12 15 41.8–.10 24.18N 126.07E 75–4 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=18.2km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.5km az=157.5.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VIII 04 12 06 55.9–.72 26.96N–.08 126.83E–.07 119–8 3.6b 37 1-84
ISCJB VIII 04 12 06 54.9–.42 26.95N–.07 126.85E–.07 125–5 3.5b **¶601765449**
IDC VIII 04 12 06 55.4–1.5 26.98N 126.84E 116–15 3.7,3.4
JMA VIII 04 12 06 56.6–.30 26.95N 126.86E 114–3 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.8km az=136.7.
IDC Error ellipse: s-maj=26.3km s-min=14.5km az=72.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VIII 06 03 28 22.6–.40 29.47N–.02 130.66E–.03 42–3 5.2s,5.1b 735 1-172
NIED VIII 06 03 28 00 29.40N 130.80E 23 5.4W,5.1b **¶601518431**
BJI VIII 06 03 28 16.6 29.22N 131.03E 39 5.4,5.4s
IDC VIII 06 03 28 20.1–3.3 29.55N 130.54E 22–21 5.0,4.9
MOS VIII 06 03 28 20.0–1.1 29.53N 130.56E 33 5.4b,5.3s
JMA VIII 06 03 28 21.1–.10 29.47N 130.69E 56–4 5.3,5.3s
ISCJB VIII 06 03 28 21.0–.27 29.49N–.02 130.60E–.02 38–2 5.2s,5.1b
GCMT VIII 06 03 28 23.1–.10 29.36N–.01 130.64E–.01 28–0 5.4W,5.1b
NEIC VIII 06 03 28 23.1–.46 29.49N 130.60E 45–4 5.3b,5.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ33.00000°,λ155.00000°. NP2:ϕ_s25.00000°,δ77.00000°,λ59.00000°. $M_0$1.39000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=7.9km az=94.0.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=103.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=39.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c178; s109,c207;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.46±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.58±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1:ϕ_s40.00000°,δ65.00000°,λ82.00000°. NP2:ϕ_s239.00000°,δ26.00000°,λ107.00000°. Principal axes: T 1.4550,Plg69.0000° ,Azm294.0000°; N 0.0050,Plg7.0000°,Azm43.0000°; P -1.4620,Plg20.0000°,Azm136.0000° $M_0$1.45800×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=128.0. Recorded [2 JMA] in Kagoshima.
JMA VIII 06 03 29 48.6–.30 29.39N 130.80E 49 ¶606007552
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.

ISC VIII 06 03 42 41.1–1.3 29.47N–.05 130.69E–.08 44–11 3.9b 56 1-89
JMA VIII 06 03 42 39.5–.20 29.42N 130.75E 34–4 4.1 **¶601520348**
ISCJB VIII 06 03 42 40.1–.65 29.46N–.04 130.71E–.07 50–4 5.6s,3.9b
IDC VIII 06 03 42 41.8–1.6 29.53N 130.53E 43–13 3.8,3.7
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.5km az=26.3.
IDC Error ellipse: s-maj=25.6km s-min=9.8km az=115.0.
JMA VIII 06 05 29 49.7–.10 29.45N 130.74E 58–4 2.4 ¶601529201
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VIII 06 05 30 18.6–.49 29.44N–.02 130.67E–.03 29–3 4.9b,4.4s 628 1-150
NIED VIII 06 05 30 00 29.40N 130.80E 23 4.9W,4.4s **¶606007589**
BJI VIII 06 05 30 15.1 29.32N 130.90E 33 4.9b,4.8b
MOS VIII 06 05 30 16.8–.96 29.53N 130.55E 27 5.1b,4.2s
JMA VIII 06 05 30 18.8–.10 29.48N 130.70E 64–4 4.7,4.2s
ISCJB VIII 06 05 30 19.5–.33 29.53N–.02 130.51E–.02 43–2 4.9b,4.4s
NEIC VIII 06 05 30 19.5–1.0 29.50N 130.52E 33–6 5.0b,4.4s
IDC VIII 06 05 30 19.0–2.9 29.53N 130.58E 33–22 4.6,4.5
GCMT VIII 06 05 30 21.5–.40 29.37N–.02 130.80E–.04 35–1 4.9W,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s265.00000°,δ28.00000°,λ141.00000°. NP2:ϕ_s30.00000°,δ73.00000°,λ68.00000°. $M_0$2.35000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Kagoshima.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c37; s57,c74;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.18 $M_{\theta\theta}$-0.79±.11; $M_{\phi\phi}$-1.34±.12; $M_{r\theta}$1.06±.11; $M_{\theta\phi}$-1.06±.06; $M_{\phi r}$0.92±.10; Best double couple: NP1:ϕ_s44.00000°,δ62.00000°,λ96.00000°. NP2:ϕ_s212.00000°,δ29.00000°,λ79.00000°. Principal axes: T 2.5610,Plg73.0000° ,Azm328.0000°; N 0.0030,Plg5.0000°,Azm221.0000°; P -2.5670,Plg16.0000°,Azm130.0000° $M_0$2.56400×10^{16}
JMA VIII 06 05 35 59.5–.10 29.45N 130.73E 58–4 4.0
NIED VIII 06 05 35 00 29.40N 130.70E 17 4.1W **¶603652071**
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ43.00000°,λ106.00000°. NP2:ϕ_s24.00000°,δ49.00000°,λ75.00000°. $M_0$1.42000×10^{15}
ISC VIII 06 05 51 09.1–.91 29.47N–.03 130.69E–.05 47–8 4.4b,3.8s 148 1-150
NIED VIII 06 05 51 00 29.50N 130.70E 20 4.5W,3.8s **¶601833245**
BJI VIII 06 05 51 05.8 29.22N 130.68E 37 4.8b,4.5b
ISCJB VIII 06 05 51 07.8–.36 29.49N–.02 130.64E–.04 48–3 4.4b,3.8s
JMA VIII 06 05 51 07.3–.10 29.47N 130.73E 56–3 4.2,3.8s
IDC VIII 06 05 51 08.8–1.5 29.57N 130.49E 42–13 4.1,4.0L
NEIC VIII 06 05 51 09.2–.61 29.51N 130.51E 43–5 4.6b,4.0L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s266.00000°,δ24.00000°,λ147.00000°. NP2:ϕ_s27.00000°,δ77.00000°,λ70.00000°. $M_0$5.92000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=27.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=8.4km az=109.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=142.0.
ISC VIII 11 06 29 20.4–.84 24.96N–.05 126.79E–.04 27–5 4.6b,4.0s 225 1-144
NIED VIII 11 06 29 00 25.00N 126.80E 5 4.5W,4.0s **¶601551105**
BJI VIII 11 06 29 15.1 24.74N 127.06E 21 4.6b,4.5b
IDC VIII 11 06 29 16.0–.68 24.91N 126.71E 0 4.5,4.4b
ISCJB VIII 11 06 29 18.9–.90 25.01N–.04 126.80E–.03 24–6 4.5b,4.0s
JMA VIII 11 06 29 19.8–.20 24.96N 126.85E 67 4.6,4.0s
NEIC VIII 11 06 29 20.0–1.4 24.94N 126.70E 21–9 4.8b,4.0s
MOS VIII 11 06 29 20.0–1.2 24.95N 126.70E 36 4.8b,4.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s285.00000°,δ51.00000°,λ-179.00000°. NP2:ϕ_s195.00000°,δ89.00000°,λ-39.00000°. $M_0$7.11000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=15.9km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.1km az=147.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=4.4km az=147.0. Felt at Urasoe, Okinawa.
MOS Error ellipse: s-maj=9.4km s-min=5.6km az=111.4.
ISC VIII 12 06 32 41.3–.45 28.48N–.03 128.52E–.03 136–3 4.8b 453 1-151
NIED VIII 12 06 32 00 28.50N 128.40E 119 4.8W **¶601553248**
MOS VIII 12 06 32 40.4–1.3 28.49N 128.52E 139 4.5b
IDC VIII 12 06 32 40.4–1.1 28.67N 128.38E 123–10 4.6,4.3
GCMT VIII 12 06 32 40.6–.40 28.45N–.02 128.49E–.03 146–4 4.9W,4.3
ISCJB VIII 12 06 32 40.2–.16 28.49N–.02 128.49E–.02 130–1 4.7b,4.3
BJI VIII 12 06 32 41.0 28.55N 128.40E 120 4.7b,4.7b
NEIC VIII 12 06 32 41.6–.41 28.51N 128.41E 137–3 4.9b,4.7b
JMA VIII 12 06 32 41.0–.10 28.51N 128.41E 119–3 4.5,4.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ64.00000°,λ-164.00000°. NP2:ϕ_s39.00000°,δ75.00000°,λ-27.00000°. $M_0$1.71000×10^{16}
MOS Error ellipse: s-maj=7.9km s-min=4.9km az=92.0.
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=132.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s67,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.12 $M_{\theta\theta}$-2.32±.12; $M_{\phi\phi}$3.06±.12; $M_{r\theta}$-1.39±.10; $M_{\theta\phi}$-0.34±.14; $M_{\phi r}$0.11±.10; Best double couple: NP1:ϕ_s135.00000°,δ72.00000°,λ-156.00000°. NP2:ϕ_s37.00000°,δ67.00000°,λ-20.00000°. Principal axes: T 3.0920,Plg3.0000° ,Azm266.0000°; N 0.0470,Plg60.0000°,Azm170.0000°; P -3.1380,Plg30.0000° ,Azm357.0000° $M_0$3.11500×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=143.0. Felt at Chatan and Urasoe, Okinawa. Recorded [1 JMA] in Kagoshima, Kyushu.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 13 03 59 12.5–1.6 25.90N–.06 128.58E–.05 24–11 3.9b 28 1-76
NIED VIII 13 03 59 00 26.00N 128.50E 17 3.7W **¶601765794**
IDC VIII 13 03 59 08.7–5.1 25.75N 128.49E 0 3.9,3.9
ISCJB VIII 13 03 59 13.5–.00 25.95N–.06 128.54E–.06 41–9 3.8b,3.4s
JMA VIII 13 03 59 14.4–.30 25.99N 128.48E 50–4 3.7,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s87.00000°,δ81.00000°,λ1.00000°. NP2: ϕ_s357.00000°,δ89.00000°,λ171.00000°. $M_0$4.06000×10^{14}
IDC Error ellipse: s-maj=100.8km s-min=40.3km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=7.5km az=149.6.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC VIII 17 09 38 12.9–.67 29.11N–.04 129.32E–.05 10 3.7b,3.6s 34 0-61
NIED VIII 17 09 38 00 29.10N 129.20E 5 4.1W,3.6s **¶606013845**
ISCJB VIII 17 09 38 12.2–.36 29.14N–.03 129.27E–.05 10 3.8b,3.5s
JMA VIII 17 09 38 12.6–.10 29.17N 129.28E 10–4 3.5,3.5s
IDC VIII 17 09 38 18.2–2.6 29.03N 129.20E 40–26 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ48.00000°,λ-38.00000°. NP2:ϕ_s243.00000°,δ62.00000°,λ-131.00000°. $M_0$1.47000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.2km az=21.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=14.6km az=81.0.
ISC VIII 17 10 10 52.0–1.1 29.17N–.03 129.38E–.04 7–8 3.8b,3.4s 35 0-90
NIED VIII 17 10 10 00 29.20N 129.30E 5 4.2W,3.4s **¶601765982**
ISCJB VIII 17 10 10 51.6–.69 29.19N–.03 129.34E–.06 11–5 3.7b,3.3s
IDC VIII 17 10 10 51.1–.80 29.21N 129.49E 0 4.0,3.8
JMA VIII 17 10 10 51.5–.10 29.20N 129.24E 18–1 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ48.00000°,λ-145.00000°. NP2:ϕ_s128.00000°,δ65.00000°,λ-47.00000°. $M_0$2.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.6km az=22.7.
IDC Error ellipse: s-maj=30.2km s-min=16.7km az=95.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VIII 17 10 12 51.4–1.1 29.17N–.03 129.37E–.05 8–8 3.7b 28 0-90
IDC VIII 17 10 12 50.5–1.0 29.14N 129.61E 0 3.8,3.6 **¶601765983**
ISCJB VIII 17 10 12 51.3–.69 29.19N–.03 129.33E–.07 12–6 3.6b,3.6
JMA VIII 17 10 12 51.3–.10 29.19N 129.31E 16–3 2.9,3.6
ISC Event type ke.

IDC Error ellipse: s-maj=43.9km s-min=21.1km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=3.9km az=20.2.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC VIII 17 10 20 04.6–1.2 29.13N–.03 129.39E–.05 6–9 3.5b 35 0-53
ISCJB VIII 17 10 20 05.0–.47 29.16N–.03 129.30E–.06 18–4 3.5b,2.5s **¶601765984**
IDC VIII 17 10 20 04.2–1.3 29.14N 129.45E 0 3.7,3.7
JMA VIII 17 10 20 04.5–.10 29.17N 129.26E 18–2 3.2,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.4km az=25.1.
IDC Error ellipse: s-maj=42.3km s-min=20.5km az=80.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC VIII 17 10 41 14.5–1.3 29.13N–.03 129.43E–.05 5–10 3.2b 29 0-53
ISCJB VIII 17 10 41 14.8–.51 29.18N–.03 129.32E–.06 18–4 3.3b,2.8s **¶601765985**
JMA VIII 17 10 41 14.7–.10 29.18N 129.29E 19–2 2.9,2.8s
IDC VIII 17 10 41 14.2–1.4 29.18N 129.42E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=25.7.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=44.1km s-min=24.0km az=85.0.
ISC VIII 17 16 23 59.2–1.2 29.12N–.03 129.32E–.04 3–8 4.1s,4.1b 57 0-94
NIED VIII 17 16 23 00 29.20N 129.20E 5 4.6W,4.1b **¶601565309**
ISCJB VIII 17 16 23 58.2–.75 29.12N–.03 129.35E–.04 6–5 4.1s,4.1b
IDC VIII 17 16 23 58.6–.63 29.10N 129.32E 0 4.3,4.1b
JMA VIII 17 16 23 58.5–.10 29.15N 129.21E 15–1 3.9,4.1b
NEIC VIII 17 16 24 03.7–.55 29.03N 129.29E 35 4.1b,4.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ39.00000°,λ-136.00000°. NP2:ϕ_s93.00000°,δ64.00000°,λ-60.00000°. $M_0$1.01000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=11.3.
IDC Error ellipse: s-maj=19.8km s-min=13.2km az=90.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.0km s-min=9.0km az=102.0. Recorded [2 JMA] in Kagoshima, Kyushu.
ISC VIII 17 17 27 17.4–1.0 29.19N–.04 129.29E–.06 7–7 3.3b 22 0-53
ISCJB VIII 17 17 27 16.8–.67 29.21N–.04 129.24E–.08 12–4 3.4b,3.4s **¶601766007**
JMA VIII 17 17 27 16.7–.10 29.23N 129.20E 12–1 3.0,3.4s
IDC VIII 17 17 27 17.4–2.0 29.12N 129.16E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.2km az=18.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=78.3km s-min=20.5km az=69.0.
ISC VIII 20 08 14 14.7–.60 24.89N–.06 126.91E–.05 28 4.2b 78 1-80
NIED VIII 20 08 14 00 24.90N 126.90E 5 3.9W **¶601685259**
IDC VIII 20 08 14 11.0–.70 24.95N 126.74E 0 3.9,3.9
ISCJB VIII 20 08 14 13.2–.36 24.92N–.04 126.89E–.04 28 4.1b,3.9
NEIC VIII 20 08 14 13.1–2.5 24.91N 126.77E 13–16 4.4b,3.9
JMA VIII 20 08 14 14.2–.30 24.90N 126.90E 56 3.6,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s279.00000°,δ55.00000°,λ173.00000°. NP2:ϕ_s13.00000°,δ84.00000°,λ36.00000°. $M_0$8.15000×10^{14}
IDC Error ellipse: s-maj=22.1km s-min=15.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.0km az=141.6.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=103.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC VIII 27 14 24 08.6–.75 25.94N–.06 126.40E–.05 72–7 4.1b 94 1-88
ISCJB VIII 27 14 24 07.3–.25 25.95N–.04 126.38E–.04 76–3 4.0b **¶601702432**
NEIC VIII 27 14 24 07.6–.48 25.95N 126.42E 63–4 4.3b
JMA VIII 27 14 24 08.4–.10 25.91N 126.44E 68–2 3.8
IDC VIII 27 14 24 08.9–2.2 25.96N 126.38E 74–21 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.0km az=141.3.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=135.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=11.9km az=74.0.
ISC IX 02 21 14 29.6–.91 28.44N–.04 129.12E–.05 81–6 3.6b 43 0-52
ISCJB IX 02 21 14 28.7–.38 28.43N–.03 129.17E–.06 87–4 3.4b **¶601862814**
JMA IX 02 21 14 29.6–.20 28.52N 129.05E 74–2 3.4
IDC IX 02 21 14 30.2–1.1 28.44N 129.02E 86–12 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.3km az=28.9.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=8.7km az=105.0.
JMA IX 08 05 17 07.7–.40 25.48N 127.56E 25–4 3.6
NIED IX 08 05 17 00 25.50N 127.60E 5 3.9W **¶603671148**
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ32.00000°,λ175.00000°. NP2:ϕ_s7.00000°,δ87.00000°,λ58.00000°. $M_0$7.88000×10^{14}
ISC IX 08 16 48 32.8–.79 28.24N–.03 129.43E–.04 30–5 3.9b 55 0-84
ISCJB IX 08 16 48 32.5–.32 28.27N–.03 129.43E–.04 42–4 3.8b **¶601863181**
JMA IX 08 16 48 33.0–.20 28.28N 129.40E 28–2 3.9
IDC IX 08 16 48 39.3–1.6 28.10N 128.65E 80–15 3.9,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.1km az=32.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=22.6km s-min=12.3km az=83.0.
ISC IX 10 03 06 38.3–1.6 24.82N–.09 126.41E–.06 32–11 3.6b 48 1-73
NIED IX 10 03 06 00 24.90N 126.40E 32 3.8W **¶606542248**
IDC IX 10 03 06 33.7–1.1 24.76N 126.19E 0 3.8,3.7
ISCJB IX 10 03 06 37.7–.65 24.82N–.06 126.45E–.05 50–7 3.6b,3.7
JMA IX 10 03 06 38.1–.10 24.88N 126.35E 81–2 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s288.00000°,δ88.00000°,λ-1.00000°. NP2:ϕ_s18.00000°,δ89.00000°,λ-178.00000°. $M_0$6.37000×10^{14}
IDC Error ellipse: s-maj=34.9km s-min=21.8km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=3.2km az=146.9.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IX 10 05 41 49.8–.48 24.17N–.05 126.29E–.04 25 4.6b,3.9s 204 1-136
NIED IX 10 05 41 00 24.20N 126.30E 11 4.5W,3.9s **¶601698228**
IDC IX 10 05 41 45.8–.66 24.16N 126.30E 0 4.4,4.4b
BJI IX 10 05 41 45.9 23.99N 126.41E 24 4.6b,4.6b
ISCJB IX 10 05 41 48.2–.27 24.17N–.03 126.28E–.03 25 4.5b,4.0s
JMA IX 10 05 41 48.2–.20 24.17N 126.28E 81 4.6,4.0s
MOS IX 10 05 41 49.3–.86 24.16N 126.25E 33 4.9b,4.0s
NEIC IX 10 05 41 51.5–.33 24.12N 126.16E 35 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ45.00000°,λ114.00000°. NP2:ϕ_s45.00000°,δ50.00000°,λ68.00000°. $M_0$6.52000×10^{15}
IDC Error ellipse: s-maj=20.6km s-min=14.0km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=151.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=9.4km s-min=6.2km az=123.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=148.0.
JMA IX 10 11 02 22.6–.20 28.06N 128.14E 6–3 2.2
¶606027846
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IX 13 19 03 11.1–.62 29.30N–.04 130.72E–.07 40–6 3.8b 48 1-87
NIED IX 13 19 03 00 29.30N 130.60E 20 4.1W **¶601863477**
ISCJB IX 13 19 03 10.2–.57 29.28N–.03 130.80E–.07 53–5 3.8b,3.6s
JMA IX 13 19 03 10.7–.10 29.34N 130.64E 67–3 3.8,3.6s
IDC IX 13 19 03 11.2–.67 29.34N 130.65E 37–5 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ12.00000°,λ114.00000°. NP2:ϕ_s30.00000°,δ79.00000°,λ85.00000°. $M_0$1.82000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=3.6km az=22.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=13.5km az=81.0.
ISC IX 14 04 42 33.7–.65 27.86N–.03 129.97E–.04 34–1 4.2b 81 0-97
NIED IX 14 04 42 00 27.80N 130.00E 29 4.3W **¶601863504**
ISCJB IX 14 04 42 32.1–.47 27.85N–.02 130.01E–.04 35–4 4.1b
JMA IX 14 04 42 32.6–.20 27.90N 129.97E 55–3 4.1
NEIC IX 14 04 42 33.9–.37 27.89N 129.93E 34 4.4b
IDC IX 14 04 42 34.2–.72 27.92N 129.90E 33–4 4.2L,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ63.00000°,λ-151.00000°. NP2:ϕ_s265.00000°,δ65.00000°,λ-30.00000°. $M_0$2.88000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.2km az=29.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.9km az=84.0. Recorded [1 JMA] on Amami-oshima and Kikaiga-shima.
IDC Error ellipse: s-maj=18.5km s-min=12.5km az=86.0.
JMA IX 16 11 52 35.2–.20 26.17N 129.48E 44 3.5
¶606031519
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 26 04 16 58.5–1.1 25.72N–.10 126.13E–.08 22–11 3.8b 32 1-79
JMA IX 26 04 16 58.3–.10 25.73N 126.12E 78–3 3.3 **¶601864186**
IDC IX 26 04 16 59.0–5.2 25.35N 126.20E 46–57 3.8,3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=44.3km s-min=22.8km az=68.0.
ISC IX 26 22 45 44.6–.62 26.48N–.05 128.98E–.04 21–3 3.8b 41 1-94
NIED IX 26 22 45 00 26.50N 128.90E 20 4.0W **¶601864237**
ISCJB IX 26 22 45 44.4–.83 26.49N–.04 129.00E–.04 31–5 3.8b,2.8s
JMA IX 26 22 45 45.4–.20 26.48N 128.95E 35–3 3.6,2.8s
IDC IX 26 22 45 45.9–5.5 26.54N 128.89E 26–37 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ35.00000°,λ-27.00000°. NP2:ϕ_s164.00000°,δ75.00000°,λ-122.00000°. $M_0$9.70000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=2.5.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=20.3km s-min=14.6km az=50.0.
ISC X 02 11 48 46.2–1.1 26.6N–.10 126.31E–.10 118–12 3.6b 33 1-79
ISCJB X 02 11 48 45.3–.39 26.6N–.10 126.31E–.09 120–9 3.7b **¶601996798**
JMA X 02 11 48 46.9–.20 26.53N 126.37E 119–2 3.8
IDC X 02 11 48 49.7–9.7 26.79N 126.26E 138–58 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=3.8km az=141.8.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=102.0km s-min=25.7km az=1.0.
JMA X 10 04 25 36.7 29.39N 130.02E 58–2 3.8
¶606042657
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 11 21 32 32.2–.99 29.85N–.04 130.74E–.07 47–9 3.7b 42 0-86
NIED X 11 21 32 00 29.80N 130.80E 29 4.0W **¶601997932**
ISCJB X 11 21 32 31.3–.46 29.85N–.03 130.75E–.07 59–5 3.8b,2.8s
JMA X 11 21 32 31.4–.10 29.83N 130.79E 46–1 3.7,2.8s
IDC X 11 21 32 31.9–1.4 29.85N 130.67E 44–14 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s63.00000°,δ28.00000°,λ-70.00000°. NP2:ϕ_s221.00000°,δ64.00000°,λ-100.00000°. $M_0$9.76000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=3.6km az=24.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=8.3km az=104.0.
JMA X 12 10 14 10.7–.10 27.01N 130.14E 61 3.5
¶606043824
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA X 13 07 01 31.2–.10 29.26N 129.12E 5–1 2.4
¶606044374
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA X 13 21 44 02.3–.40 25.68N 126.38E 1–3 3.5
¶606044768
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 25 06 11 49.0–2.0 28.67N–.05 128.58E–.09 9–14 3.4b 21 1-49
NIED X 25 06 11 00 28.70N 128.50E 5 4.1W **¶601999571**
JMA X 25 06 11 48.3–.30 28.73N 128.53E 16–5 3.8
ISCJB X 25 06 11 49.2–1.2 28.70N–.04 128.58E–.09 20–11 3.5b,3.4s
IDC X 25 06 11 53.6–4.6 28.49N 128.82E 34–44 3.7,3.6L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ58.00000°,λ-8.00000°. NP2:ϕ_s40.00000°,δ84.00000°,λ-147.00000°. $M_0$1.34000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=5.1km az=15.1.
IDC Error ellipse: s-maj=45.4km s-min=17.3km az=93.0.
ISC X 25 07 12 12.6–1.8 28.69N–.04 128.57E–.07 2–12 3.7b 19 1-77
ISCJB X 25 07 12 11.3–1.4 28.72N–.04 128.52E–.07 3–10 3.6b,3.3s **¶601999577**
JMA X 25 07 12 12.0–.20 28.75N 128.52E 13–4 3.4,3.3s
IDC X 25 07 12 13.0–.99 28.57N 128.58E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.8km az=11.5.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=15.9km az=87.0.
ISC X 25 07 14 29.0–1.7 28.69N–.04 128.63E–.07 15–12 3.5b 20 1-49
JMA X 25 07 14 27.5–.30 28.75N 128.49E 11–4 3.2 **¶601999578**
ISCJB X 25 07 14 28.0–2.1 28.73N–.04 128.53E–.05 11–15 3.5b
IDC X 25 07 14 29.4–1.3 28.55N 128.18E 0 3.7,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.6km az=27.3.
IDC Error ellipse: s-maj=33.1km s-min=17.7km az=82.0.
ISC X 25 07 46 59.4–1.8 28.67N–.04 128.58E–.08 7–13 3.6b,3.0s 21 1-49
ISCJB X 25 07 46 58.6–1.7 28.70N–.03 128.57E–.08 5–12 3.5b,2.9s **¶601999582**
JMA X 25 07 46 58.3–.30 28.74N 128.51E 14–4 3.1,2.9s
IDC X 25 07 46 59.1–1.6 28.52N 128.93E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=5.1km az=6.4.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=46.7km s-min=18.6km az=88.0.
ISC X 25 08 27 04.4–1.7 28.67N–.04 128.61E–.07 9–11 3.7b,3.3s 35 1-91
IDC X 25 08 27 02.8–.73 28.66N 128.67E 0 3.9,3.8 **¶606050816**
JMA X 25 08 27 03.0–.20 28.74N 128.51E 10–3 3.4,3.8
ISCJB X 25 08 27 05.2–.97 28.71N–.03 128.62E–.08 26–8 3.9b,3.2s
NEIC X 25 08 27 08.5–.68 28.61N 128.61E 41–7 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=13.4km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.0km az=1.3.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.7km az=84.0.
ISC X 25 09 45 45.4–1.7 28.67N–.04 128.66E–.06 12–11 3.5b 19 1-49
ISCJB X 25 09 45 43.7–1.3 28.70N–.04 128.54E–.06 5–9 3.5b **¶601999589**
JMA X 25 09 45 43.7–.30 28.73N 128.51E 7–4 3.2
IDC X 25 09 45 47.4–3.6 28.01N 127.17E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.2km az=176.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=220.0km s-min=25.5km az=65.0.
ISC X 25 11 29 17.5–1.1 28.71N–.05 128.60E–.08 10 3.5b 16 1-52
JMA X 25 11 29 16.4–.10 28.75N 128.52E 16–2 3.4 **¶606051013**
ISCJB X 25 11 29 17.7–.60 28.68N–.04 128.61E–.06 10 3.4b
IDC X 25 11 29 17.7–1.1 28.50N 128.49E 0 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=14.1.
IDC Error ellipse: s-maj=55.4km s-min=16.8km az=88.0.
ISC X 25 12 48 55.7–1.3 28.70N–.04 128.68E–.05 25–9 4.4b,3.5s 128 1-151
NIED X 25 12 48 00 28.70N 128.50E 5 4.4W,3.5s **¶601848629**
BJI X 25 12 48 50.0 28.32N 128.80E 13 4.7b,4.4b
IDC X 25 12 48 51.9–.52 28.74N 128.59E 0 4.3,4.2
JMA X 25 12 48 52.5–.20 28.75N 128.50E 12–3 4.3,4.2
ISCJB X 25 12 48 54.0–.60 28.71N–.02 128.58E–.03 24–5 4.4b,3.6s
NEIC X 25 12 48 57.8–.40 28.70N 128.57E 43–4 4.6b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ44.00000°,λ-78.00000°. NP2:ϕ_s70.00000°,δ47.00000°,λ-102.00000°. $M_0$4.44000×10^{15}
IDC Error ellipse: s-maj=19.4km s-min=12.3km az=87.0.

JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=11.8.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=117.0. Recorded [1 JMA] on Amami-oshima.
ISC X 25 17 48 11.4–1.9 28.73N–.04 128.55E–.08 8–12 3.3b,2.9s 28 1-62
ISCJB X 25 17 48 10.8–1.7 28.77N–.03 128.49E–.05 13–12 3.4b,2.9s **¶601999633**
IDC X 25 17 48 10.3–1.0 28.71N 128.51E 0 3.5,3.4
JMA X 25 17 48 10.7–.20 28.74N 128.51E 9–3 3.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=16.5.
IDC Error ellipse: s-maj=41.8km s-min=16.3km az=84.0.
ISC X 25 19 10 49.1–1.6 28.70N–.03 128.64E–.05 8–10 4.0b,3.9s 48 1-160
NIED X 25 19 10 00 28.70N 128.50E 5 4.3W,3.9s **¶606051373**
IDC X 25 19 10 47.7–.63 28.69N 128.64E 0 3.9,3.8b
ISCJB X 25 19 10 48.4–1.7 28.74N–.02 128.53E–.04 12–12 4.0b,3.7s
JMA X 25 19 10 48.5–.20 28.74N 128.52E 14–3 4.3,3.7s
NEIC X 25 19 10 49.9–3.2 28.66N 128.69E 13–21 4.7b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S218.00000°,δ66.00000°,λ175.00000°. NP2:ϕ_S310.00000°,δ86.00000°,λ24.00000°. $M_0$3.40000×10^{15}
IDC Error ellipse: s-maj=22.3km s-min=14.1km az=94.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=179.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.6km az=103.0. Recorded [1 JMA] on Amami-oshima.
ISC X 25 19 16 40.5–.75 28.72N–.04 128.53E–.06 10 3.4b 20 1-76
ISCJB X 25 19 16 39.5–.59 28.77N–.04 128.48E–.06 10 3.3b **¶606051377**
JMA X 25 19 16 40.1–.20 28.74N 128.51E 9–3 3.2
IDC X 25 19 16 46.4–2.0 28.67N 128.33E 51–21 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=18.3.
IDC Error ellipse: s-maj=32.5km s-min=13.3km az=87.0.
ISC X 25 19 29 32.0–1.2 28.77N–.05 128.52E–.09 10 3.2b 15 1-52
ISCJB X 25 19 29 32.6–1.0 28.75N–.06 128.55E–.07 10 3.2b **¶601999639**
JMA X 25 19 29 32.2–.30 28.74N 128.52E 7–4 3.0
IDC X 25 19 29 36.7–1.5 28.41N 128.70E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.7km az=37.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=53.9km s-min=23.3km az=88.0.
ISC X 25 20 53 47.6–1.6 28.68N–.04 128.51E–.06 5–11 4.0b,3.4s 36 1-91
NIED X 25 20 53 00 28.70N 128.50E 5 4.4W,3.4s **¶601999649**
ISCJB X 25 20 53 48.8–1.2 28.72N–.03 128.54E–.08 22–10 3.9b,3.5s
JMA X 25 20 53 48.0–.20 28.75N 128.53E 15–3 4.2,3.5s
IDC X 25 20 53 53.5–1.8 28.64N 128.43E 51–19 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S260.00000°,δ35.00000°,λ-86.00000°. NP2:ϕ_S75.00000°,δ55.00000°,λ-93.00000°. $M_0$4.08000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.2km az=13.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=12.4km az=88.0.
ISC X 25 23 44 35.0–1.6 28.69N–.04 128.58E–.06 12–10 3.8b,3.8s 30 1-91
NIED X 25 23 44 00 28.70N 128.50E 5 4.2W,3.8s **¶601999662**
ISCJB X 25 23 44 35.0–1.2 28.74N–.03 128.53E–.07 19–10 3.8b,3.6s
JMA X 25 23 44 34.3–.20 28.74N 128.53E 9–3 3.6,3.6s
IDC X 25 23 44 39.7–1.2 28.69N 128.58E 48–14 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S271.00000°,δ42.00000°,λ-81.00000°. NP2:ϕ_S79.00000°,δ48.00000°,λ-98.00000°. $M_0$2.30000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.1km az=16.5.
IDC Error ellipse: s-maj=23.8km s-min=9.8km az=95.0.
ISC X 26 00 28 46.2–1.5 28.57N–.04 128.77E–.06 1–11 3.8b 25 0-74
JMA X 26 00 28 44.9–.20 28.74N 128.52E 13–3 3.4 **¶601999669**
ISCJB X 26 00 28 45.9–1.5 28.67N–.03 128.63E–.08 7–11 3.7b,3.4s
IDC X 26 00 28 52.3–1.5 28.58N 128.72E 48–17 3.7,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.8km az=6.1.
IDC Error ellipse: s-maj=30.5km s-min=11.1km az=93.0.
ISC X 26 00 42 24.5–1.7 28.66N–.04 128.61E–.06 2–12 3.9b 26 1-67
JMA X 26 00 42 23.9–.10 28.74N 128.53E 16–2 3.4 **¶601999671**
IDC X 26 00 42 30.9–1.6 28.54N 128.50E 51–18 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=10.4km az=92.0.
ISC X 26 03 12 40.7–.81 28.71N–.04 128.62E–.07 10 3.5b 16 1-49
ISCJB X 26 03 12 39.5–.59 28.75N–.04 128.57E–.05 10 3.4b,2.6s **¶601999688**
JMA X 26 03 12 39.9–.20 28.74N 128.56E 16–3 2.9,2.6s
IDC X 26 03 12 40.7–1.3 28.59N 128.19E 0 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=7.0.
IDC Error ellipse: s-maj=40.7km s-min=16.4km az=78.0.
ISC X 26 04 54 17.9–1.7 28.79N–.04 128.71E–.07 12–11 3.6b,3.1s 21 1-62
JMA X 26 04 54 17.6–.30 28.75N 128.53E 12–4 3.2,3.1s **¶601999707**
ISCJB X 26 04 54 18.8–1.5 28.76N–.04 128.6E–.10 28–12 3.5b,3.2s
IDC X 26 04 54 23.8–2.0 28.59N 128.53E 58–21 3.5,3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=6.2km az=6.9.
IDC Error ellipse: s-maj=33.7km s-min=15.6km az=85.0.
ISC X 26 21 28 34.2–1.9 27.94N–.03 130.89E–.05 20–12 3.6b 59 1-116
NIED X 26 21 28 00 27.90N 130.90E 5 4.0W **¶601999772**
IDC X 26 21 28 31.6–.78 27.97N 130.93E 0 3.9,3.8
JMA X 26 21 28 34.0–.10 27.94N 130.89E 72–2 4.1,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S212.00000°,δ40.00000°,λ-96.00000°. NP2:ϕ_S40.00000°,δ50.00000°,λ-85.00000°. $M_0$1.14000×10^{15}
IDC Error ellipse: s-maj=27.5km s-min=15.8km az=86.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 27 06 08 15.9–1.6 28.76N–.04 128.66E–.07 19–5 3.4b 26 1-62
JMA X 27 06 08 14.7–.20 28.80N 128.58E 8–4 3.2 **¶601999809**
ISCJB X 27 06 08 16.2–1.2 28.78N–.04 128.65E–.08 27–8 3.3b
IDC X 27 06 08 21.0–1.6 28.58N 128.66E 66–17 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=4.7km az=17.6.
IDC Error ellipse: s-maj=41.3km s-min=12.2km az=95.0.
ISC X 27 06 37 32.6–1.0 28.61N–.03 128.84E–.04 28–7 4.6b,4.0s 162 0-151
NIED X 27 06 37 00 28.70N 128.50E 8 4.6W,4.0s **¶606052213**
JMA X 27 06 37 27.3–.30 28.74N 128.51E 15–4 4.6,4.0s
IDC X 27 06 37 27.1–.61 28.62N 128.65E 0 4.2,4.1b
ISCJB X 27 06 37 29.6–.58 28.63N–.02 128.72E–.03 21–4 4.5b,4.0s
GCMT X 27 06 37 29.6–.40 28.70N–.02 128.54E–.03 15–2 4.7W,4.0s
NEIC X 27 06 37 29.6–.27 28.58N 128.73E 10 4.6b,4.0s
BJI X 27 06 37 32.8 28.54N 128.71E 45 4.8b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S40.00000°,δ68.00000°,λ180.00000°. NP2:ϕ_S130.00000°,δ90.00000°,λ22.00000°. $M_0$9.78000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=20.3km s-min=12.4km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.4km az=30.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c14; s65,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.09 $M_{\theta\theta}$1.54±.10; $M_{\phi\phi}$-1.23±.07; $M_{r\theta}$0.38±.17; $M_{\theta\phi}$0.14±.06; $M_{\phi r}$-0.44±.17; Best double couple: NP1:ϕ_S310.00000°,δ82.00000°,λ-24.00000°. NP2:ϕ_S44.00000°,δ66.00000°,λ-171.00000°. Principal axes: T 1.6170,Plg11.0000° ,Azm359.0000°; N -0.1850,Plg64.0000°,Azm113.0000°; P -1.4290,Plg23.0000° ,Azm264.0000° $M_0$1.52300×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=123.0. Recorded [1 JMA] on Amami-oshima.
JMA XI 01 17 25 18.5–.20 29.21N 129.13E 10–1 3.3
¶606054809

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
JMA XI 03 12 18 37.5–.30 26.02N 128.58E 44 3.6
¶606055488
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA XI 04 08 35 20.2–.20 25.75N 127.09E 8–4 3.5
¶606055935
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 07 03 37 47.7–.93 25.54N–.08 127.22E–.07 19 3.7b 18 1-77
IDC XI 07 03 37 44.9–1.1 25.47N 127.05E 0 3.9,3.8b **¶602388941**
ISCJB XI 07 03 37 47.2–.71 25.46N–.07 127.31E–.07 19 3.7b,3.0s
JMA XI 07 03 37 49.8–.40 25.60N 127.23E 56 3.4,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=21.6km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.1km az=136.5.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC XI 07 04 07 59.0–.59 25.48N–.06 127.18E–.05 19 4.0b 50 1-80
IDC XI 07 04 07 56.4–.74 25.50N 127.07E 0 4.2L,4.0 **¶602051310**
ISCJB XI 07 04 07 57.3–.37 25.44N–.04 127.12E–.06 19 4.1b,4.0
NEIC XI 07 04 07 59.7–1.7 25.48N 127.08E 22–12 4.3b,4.0
NIED XI 07 04 08 00 25.50N 127.20E 26 3.9W,4.0
JMA XI 07 04 08 01.2–.20 25.52N 127.25E 43–4 3.7,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=15.2km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=29.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=104.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S194.00000°,δ23.00000°,λ80.00000°. NP2:ϕ_S25.00000°,δ67.00000°,λ94.00000°. $M_0$8.20000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 10 02 33 40.7–.90 28.62N–.05 128.53E–.07 150–7 3.4b 34 1-76
ISCJB XI 10 02 33 40.0–.55 28.61N–.05 128.58E–.08 153–5 3.3b **¶602389129**
JMA XI 10 02 33 41.5–.20 28.65N 128.44E 138–3 3.4
IDC XI 10 02 33 41.5–4.9 28.33N 128.73E 172–111 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=4.8km az=32.2.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=173.8km s-min=35.2km az=4.0.
ISC XI 13 10 39 22.8–.80 28.08N–.05 128.42E–.06 120–6 3.9b 44 1-92
ISCJB XI 13 10 39 22.3–.43 28.07N–.04 128.46E–.06 124–4 3.6b **¶602389337**
JMA XI 13 10 39 23.7–.10 28.16N 128.29E 104–3 3.7
IDC XI 13 10 39 23.7–1.1 27.99N 128.73E 125–13 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=3.7km az=30.2.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=85.8km s-min=14.0km az=104.0.
ISC XI 26 09 39 02.3–.71 27.72N–.04 128.63E–.05 73–6 3.8b 49 0-84
ISCJB XI 26 09 39 01.6–.30 27.73N–.04 128.62E–.06 79–3 3.6b **¶601994525**
JMA XI 26 09 39 02.9 27.77N 128.56E 64–1 3.7
IDC XI 26 09 39 02.8–.85 27.74N 128.29E 73–9 3.8,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=3.6km az=34.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=12.4km az=81.0.
ISC XII 03 14 29 31.9–.89 28.05N–.03 129.59E–.04 30–6 4.4b,4.1s 143 0-151
NIED XII 03 14 29 00 28.20N 129.50E 44 4.5W,4.1s **¶601995983**
BJI XII 03 14 29 28.3 27.74N 129.95E 47 4.7b,4.6b
ISCJB XII 03 14 29 31.8–.34 28.11N–.03 129.58E–.04 41–3 4.3b,3.9s
JMA XII 03 14 29 32.1–.20 28.13N 129.55E 31–3 4.2,3.9s
NEIC XII 03 14 29 33.9–.53 28.07N 129.43E 47–5 4.6b,3.9s
IDC XII 03 14 29 35.1–1.2 28.12N 129.48E 55–11 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S116.00000°,δ21.00000°,λ164.00000°. NP2:ϕ_S221.00000°,δ85.00000°,λ70.00000°. $M_0$7.36000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.2km az=39.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.4km az=136.0. Recorded [2 JMA] on Amami-oshima and Kikaiga-shima.
IDC Error ellipse: s-maj=15.2km s-min=7.3km az=111.0.
ISC XII 04 02 27 09.8–1.3 24.93N–.10 126.72E–.09 35 3.4b 12 1-45
IDC XII 04 02 27 07.3–2.8 24.34N 125.32E 0 3.7,3.6 **¶602390420**
ISCJB XII 04 02 27 08.2–1.1 24.88N–.07 126.76E–.08 35 3.4b,3.6
JMA XII 04 02 27 08.4–.10 24.92N 126.73E 34 3.4b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=202.7km s-min=24.7km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.8km az=138.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XII 04 17 40 07.1–1.7 25.86N–.05 128.63E–.05 7–10 46 1-73
IDC XII 04 17 40 08.1–1.2 25.94N 128.50E 0 3.9,3.8 **¶602330112**
JMA XII 04 17 40 11.2–.30 25.98N 128.62E 46 3.6,3.8
NEIC XII 04 17 40 12.9–.59 25.91N 128.36E 35 4.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=16.5km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.2km az=96.0.
JMA XII 09 18 08 30.5–.20 28.71N 128.58E 136–3 3.5
¶606069381
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC XII 15 21 02 10.2–.80 28.31N–.04 129.56E–.04 40–6 3.7b 50 0-78
ISCJB XII 15 21 02 10.0–.33 28.34N–.03 129.52E–.05 52–3 3.6b **¶602391420**
JMA XII 15 21 02 10.6–.20 28.38N 129.49E 35–2 3.8
IDC XII 15 21 02 13.1–1.5 28.26N 129.42E 73–14 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.2km az=31.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=11.6km az=110.0.
ISC XII 16 11 46 13.2–1.0 26.8N–.10 127.00E–.08 98–11 3.5b 23 0-51
IDC XII 16 11 45 54.2–1.5 25.57N 126.87E 0 3.7L,3.6 **¶602391462**
ISCJB XII 16 11 46 12.3–.61 26.87N–.10 126.99E–.08 101–9 3.4b,3.6
JMA XII 16 11 46 13.3–.30 26.82N 127.00E 97–3 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=24.5km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=8.1km az=146.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA XII 20 01 22 14.0–.10 27.83N 127.86E 107–3 3.6
¶606075421
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC XII 25 12 25 59.0–.91 29.28N–.04 130.01E–.06 53–9 3.9b,3.2s 42 1-77
NIED XII 25 12 25 00 29.30N 129.90E 56 4.5W,3.2s **¶602380586**
ISCJB XII 25 12 25 58.1–.33 29.32N–.03 129.94E–.06 60–4 3.9b,3.3s
JMA XII 25 12 25 58.3–.10 29.34N 129.93E 59–2 4.0,3.3s
IDC XII 25 12 26 00.7–1.5 29.25N 129.82E 70–16 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S223.00000°,δ9.00000°,λ103.00000°. NP2:ϕ_S29.00000°,δ81.00000°,λ88.00000°. $M_0$7.10000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=3.3km az=25.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=11.5km az=110.0.
ISC XII 30 07 40 59.8–1.3 25.36N–.06 127.50E–.06 1–7 4.0b 53 1-85
IDC XII 30 07 41 00.5–1.0 25.46N 127.40E 0 4.1L,3.9 **¶602380882**
NEIC XII 30 07 41 01.7–2.4 25.43N 127.42E 10–15 4.3b,3.9
JMA XII 30 07 41 03.5–.30 25.36N 127.56E 47–5 3.3,3.9
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=20.3km az=119.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.1km az=148.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XII 30 19 23 05.0–2.1 25.94N–.08 127.18E–.05 23–14 3.8b 34 1-85
NIED XII 30 19 23 00 26.00N 127.20E 50 4.1W **¶602380905**
IDC XII 30 19 23 01.5–.67 25.98N 127.03E 0 3.9,3.8
JMA XII 30 19 23 07.9–.30 26.01N 127.22E 43–2 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S0.00000°,δ28.00000°,λ-151.00000°. NP2:ϕ_S244.00000°,δ77.00000°,λ-65.00000°. $M_0$1.80000×10^{15}

IDC Error ellipse: s-maj=18.8km s-min=15.3km az=92.0.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XII 31 22 12 27.2–1.6 29.29N–.03 130.62E–.06 20–7 3.3b 37 1-87
IDC XII 31 22 12 24.9–1.1 29.32N 130.41E 0 3.6,3.5 **¶602380518**
ISCJB XII 31 22 12 27.9–.63 29.24N–.03 130.64E–.07 39–8 3.4b,3.5
JMA XII 31 22 12 28.5–.20 29.36N 130.54E 73 3.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=19.3km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.9km az=21.3.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.

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ISC VII 07 16 33 55.9–2.0 24.76N–.06 127.63E–.05 3–13 3.7b 41 1-95
IDC VII 07 16 33 56.8–1.3 24.79N 127.70E 0 3.9,3.8 **¶601663600**
JMA VII 07 16 33 59.7–.20 24.80N 127.65E 72 3.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=22.7km az=76.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VII 08 21 09 58.9–3.4 24.44N–.07 127.40E–.05 11–22 3.7b 51 2-74
IDC VII 08 21 09 57.9–.92 24.40N 127.47E 0 3.8,3.8 **¶601246354**
JMA VII 08 21 10 01.1–.30 24.56N 127.32E 74 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=16.3km az=79.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VII 19 21 39 24.7–2.1 23.90N–.07 126.08E–.04 8–12 4.0b,3.2s 47 1-89
NIED VII 19 21 39 00 23.90N 126.00E 11 4.2W,3.2s **¶601479686**
IDC VII 19 21 39 24.9–.90 23.98N 125.92E 0 4.0,3.9
ISCJB VII 19 21 39 25.7–1.4 23.86N–.05 126.05E–.04 25–10 3.9b,3.3s
JMA VII 19 21 39 26.4–.20 23.89N 126.05E 72 3.7,3.3s
NEIC VII 19 21 39 29.7–.79 24.04N 125.96E 35 4.1b,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s254.00000°,δ33.00000°,λ110.00000°. NP2:ϕ_s50.00000°,δ59.00000°,λ77.00000°. $M_0$2.14000×10^{15}
IDC Error ellipse: s-maj=29.4km s-min=18.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.7km az=177.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=14.6km az=147.0.
JMA VIII 13 20 27 56.9–.50 23.03N 129.51E 44 4.5
NIED VIII 13 20 27 00 23.00N 129.50E 5 3.8W **¶603656162**
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ39.00000°,λ46.00000°. NP2:ϕ_s163.00000°,δ63.00000°,λ120.00000°. $M_0$5.52000×10^{14}
ISC IX 08 20 55 49.8–.90 23.76N–.04 126.95E–.03 14–5 4.7b,4.2s 260 2-98
NIED IX 08 20 55 00 24.00N 126.80E 32 4.4W,4.2s **¶601696947**
ISCJB IX 08 20 55 46.1–1.0 23.72N–.03 126.87E–.02 2–6 4.6b,4.2s
IDC IX 08 20 55 47.5–.51 23.74N 127.00E 0 4.4,4.4
NEIC IX 08 20 55 49.1–.18 23.65N 126.82E 10 4.8b,4.4
MOS IX 08 20 55 50.7–1.2 23.73N 126.89E 33 4.8b,4.4
BJI IX 08 20 55 50.7 23.87N 126.61E 10 4.7b,4.6b
JMA IX 08 20 55 51.3–.20 24.03N 126.77E 116 4.3,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ79.00000°,λ7.00000°. NP2:ϕ_s5.00000°,δ83.00000°,λ169.00000°. $M_0$5.08000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=12.8.
IDC Error ellipse: s-maj=16.6km s-min=10.9km az=89.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=92.0.
MOS Error ellipse: s-maj=9.7km s-min=5.7km az=117.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 17 03 53 53.2–1.4 28.42N–.04 131.27E–.07 68–37 26 1-52
IDC IX 17 03 53 50.5–2.0 28.41N 130.86E 0 3.7,3.5 **¶601863692**
JMA IX 17 03 53 52.0–.20 28.42N 131.24E 87–4 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=105.5km s-min=25.8km az=99.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 29 14 46 28.6–2.0 29.66N–.05 131.38E–.07 14–12 3.9b,3.6s 39 1-86
NIED IX 29 14 46 00 29.60N 131.50E 8 4.3W,3.6s **¶601857491**
IDC IX 29 14 46 26.2–.88 29.59N 131.25E 0 3.9,3.9b
JMA IX 29 14 46 28.6–.20 29.59N 131.50E 51–3 3.6,3.9b
ISCJB IX 29 14 46 29.2–1.4 29.61N–.03 131.47E–.06 33–9 3.8b,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ24.00000°,λ119.00000°. NP2:ϕ_s204.00000°,δ69.00000°,λ78.00000°. $M_0$2.84000×10^{15}
ISCJB Event type ke.
ISC X 06 05 45 53.7–.95 24.50N–.06 127.49E–.05 47 3.8b 35 2-74
IDC X 06 05 45 49.6–1.3 24.48N 127.36E 0 4.0,3.9 **¶601997243**
ISCJB X 06 05 45 52.6–.68 24.60N–.05 127.39E–.04 47 3.8b,3.9
JMA X 06 05 45 52.1–.30 24.56N 127.45E 66 3.3,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=22.5km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.5km az=144.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA X 09 19 23 19.4–.10 25.78N 130.02E 42 3.6
¶606042508
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC X 15 16 22 36.1–2.0 25.68N–.06 129.29E–.06 12–11 3.8b 38 1-49
IDC X 15 16 22 34.3–1.1 25.59N 129.41E 0 3.8,3.7 **¶601998355**
JMA X 15 16 22 35.5–.10 25.57N 129.54E 49 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=16.7km az=78.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC X 23 23 19 33.9–1.7 25.91N–.05 129.10E–.04 3–10 4.0b 50 1-86
NIED X 23 23 19 00 25.90N 129.10E 5 4.1W **¶601867600**
IDC X 23 23 19 34.0–.85 25.92N 129.13E 0 4.0,3.9
ISCJB X 23 23 19 35.4–1.0 25.95N–.04 129.09E–.04 20–6 3.9b,3.8s
JMA X 23 23 19 36.4–.20 25.92N 129.09E 44 4.0,3.8s
NEIC X 23 23 19 39.1–.52 25.94N 129.13E 35 4.2b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ35.00000°,λ-56.00000°. NP2:ϕ_s210.00000°,δ62.00000°,λ-111.00000°. $M_0$1.53000×10^{15}
IDC Error ellipse: s-maj=29.4km s-min=15.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.9km az=137.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.0km az=84.0.
ISC XI 02 23 04 10.2–1.6 29.48N–.03 131.50E–.05 15–10 4.0b 63 1-86
NIED XI 02 23 04 00 29.50N 131.50E 5 4.1W **¶602031577**
IDC XI 02 23 04 08.2–.71 29.52N 131.48E 0 3.9,3.8
NEIC XI 02 23 04 10.4–2.7 29.46N 131.48E 16–17 4.2b,3.8
JMA XI 02 23 04 11.9–.10 29.48N 131.53E 61–3 4.0,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ29.00000°,λ-86.00000°. NP2:ϕ_s191.00000°,δ61.00000°,λ-92.00000°. $M_0$1.52000×10^{15}
IDC Error ellipse: s-maj=25.5km s-min=13.7km az=84.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=89.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 14 14 21 48.1–3.0 24.93N–.05 128.51E–.05 5–17 4.1b,3.1s 64 1-94
NIED XI 14 14 21 00 25.10N 128.40E 5 4.0W,3.1s **¶601991977**
IDC XI 14 14 21 47.4–.70 24.87N 128.66E 0 4.2,4.0
NEIC XI 14 14 21 48.7–.43 24.78N 128.40E 10 4.4b,4.0
ISCJB XI 14 14 21 49.2–1.3 24.94N–.03 128.39E–.04 21–9 4.1b,3.2s
JMA XI 14 14 21 52.0–.30 25.08N 128.41E 86 3.9,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ25.00000°,λ-101.00000°. NP2:ϕ_s223.00000°,δ65.00000°,λ-85.00000°. $M_0$1.16000×10^{15}
IDC Error ellipse: s-maj=25.6km s-min=15.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=135.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC XI 14 14 43 30.5–1.6 25.88N–.05 129.04E–.04 11–11 27 1-49
IDC XI 14 14 43 29.1–1.7 26.02N 129.38E 0 3.7,3.5 **¶602389390**
JMA XI 14 14 43 32.9–.30 25.79N 128.91E 49 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=20.3km az=61.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA XII 01 17 20 05.2–.10 26.98N 130.29E 55 3.7
¶606066457
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XII 02 22 21 54.5–2.8 24.38N–.08 127.08E–.06 4–16 3.5b 37 2-45
JMA XII 02 22 21 57.7–.20 24.36N 127.08E 89 3.2 **¶602390376**
IDC XII 02 22 21 58.0–2.5 23.37N 125.42E 0 3.7,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=175.7km s-min=24.4km az=66.0.
JMA XII 18 10 31 57.8–.40 24.99N 128.10E 79 3.2
¶606074950
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC XII 25 20 46 54.6–4.3 24.08N–.06 128.22E–.05 24–26 4.1b 111 2-98
IDC XII 25 20 46 51.2–.69 24.04N 128.28E 0 4.0L,3.9 **¶602355693**
ISCJB XII 25 20 46 52.2–1.1 24.13N–.03 128.17E–.03 19–8 4.2b,3.9
NEIC XII 25 20 46 55.4–.36 24.04N 128.20E 30 4.6b,3.9
JMA XII 25 20 46 55.5–.20 24.28N 128.10E 111 4.0,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=15.1km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=142.8.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=122.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

(240) West of Bonin Islands.

ISC VII 31 18 04 46.9–2.3 25.01N–.09 135.1E–.10 42–21 4.3b,3.5s 64 6-87
IDC VII 31 18 04 40.5–.64 24.99N 135.18E 0 4.2,4.1 **¶601506097**
ISCJB VII 31 18 04 41.0–2.3 24.93N–.05 135.13E–.07 15–16 4.3b,3.2s
NEIC VII 31 18 04 46.0–.73 24.94N 135.12E 38–6 4.7b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=13.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=162.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=73.0.

SEISMIC REGION 21.
Taiwan.

(242) Near coast of southeastern China.

ISC VIII 31 05 52 12.1–.47 23.70N–.04 114.60E–.04 10 4.0b 64 1-79
IDC VIII 31 05 52 10.3–.81 23.60N 114.46E 0 4.1,4.0 **¶601664259**
ISCJB VIII 31 05 52 11.2–.36 23.76N–.04 114.51E–.04 10 4.0b,3.5s
BJI VIII 31 05 52 11.2 23.81N 114.67E 6 4.6L,4.5b
NEIC VIII 31 05 52 12.6–.43 23.69N 114.48E 10 4.6L,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=45.2km s-min=16.7km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.8km az=26.2.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.8km az=196.0. Felt at Huizhou, Sha Tin and Sheung Shui.
ISC IX 01 19 17 48.5–.69 23.74N–.06 114.63E–.05 10 3.7b 20 1-79
BJI IX 01 19 17 47.0 23.75N 114.63E 12 4.5L,4.3b **¶601671977**
ISCJB IX 01 19 17 49.0–.54 23.88N–.05 114.50E–.09 10 3.6b,3.1s
IDC IX 01 19 17 50.0–.91 23.67N 114.08E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.3km az=165.4.
IDC Error ellipse: s-maj=47.1km s-min=18.4km az=63.0.
ISC IX 28 16 23 05.7–.99 25.96N–.02 119.87E–.02 9–8 123 0-4
ISCJB IX 28 16 23 05.2–.47 25.95N–.02 119.85E–.02 6–5 **¶601767087**
BJI IX 28 16 23 05.5 25.94N 119.91E 15 4.1L
TAP IX 28 16 23 05.2 25.97N 119.88E 13–0 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=151.0.
TAP C.
BJI XI 24 23 48 49.3 25.63N 118.74E 16 3.9L
¶601994240

(243) Taiwan region.

ISC VII 02 15 26 14.0–1.0 24.02N–.02 122.29E–.02 15–8 121 1-2
ISCJB VII 02 15 26 13.6–.51 23.99N–.01 122.32E–.01 9–3 **¶602414373**
JMA VII 02 15 26 13.4–.20 23.93N 122.33E 8–4 2.5
TAP VII 02 15 26 15.5 24.08N 122.21E 14–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=139.8.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC VII 02 16 56 11.5–1.2 24.24N–.04 122.97E–.02 43–8 145 0-3
ISCJB VII 02 16 56 11.4–.28 24.28N–.03 122.96E–.02 44–7 **¶602414377**
JMA VII 02 16 56 11.7–.10 24.35N 122.98E 49–1 3.2
TAP VII 02 16 56 12.8 24.29N 122.83E 33–1 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.4km az=176.4.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC VII 03 07 17 54.9–.92 23.93N–.02 122.58E–.01 16–5 4.3b,3.7s 339 1-147
NIED VII 03 07 17 00 24.00N 122.50E 23 4.5W,3.7s **¶601235623**
IDC VII 03 07 17 51.9–.51 24.10N 122.61E 0 4.2,4.2b
MOS VII 03 07 17 54.2–1.1 24.03N 122.60E 25 4.7b,4.2b
BJI VII 03 07 17 54.4 24.03N 122.42E 8 4.6b,4.4b
JMA VII 03 07 17 55.8–.20 23.98N 122.54E 20–4 4.8,4.4b
NEIC VII 03 07 17 55.6–1.1 24.06N 122.59E 22–8 4.8b,4.4b
TAP VII 03 07 17 56.1 24.00N 122.57E 33–0 4.7L,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ1.00000°,λ-22.00000°. NP2:ϕ_s113.00000°,δ90.00000°,λ-91.00000°. $M_0$5.98000×10^{15}
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=81.0.
MOS Error ellipse: s-maj=11.4km s-min=7.7km az=94.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=107.0.
TAP C.
ISC VII 03 16 12 13.5–2.4 25.2N–.10 122.52E–.04 193–14 65 1-3
TAP VII 03 16 12 12.2 25.34N 122.63E 198–0 2.9L **¶602414485**
ISCJB VII 03 16 12 13.4–.81 25.22N–.08 122.53E–.03 191–6 2.9L
JMA VII 03 16 12 13.5–.30 25.29N 122.48E 188–5 2.5
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=4.1km az=177.0.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC VII 04 19 03 28.6–1.2 23.94N–.04 122.43E–.02 24–14 47 1-2
JMA VII 04 19 03 28.6–.20 23.95N 122.43E 23 2.1 **¶602414582**
TAP VII 04 19 03 28.9 23.97N 122.45E 27–1 2.6L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC VII 04 19 19 46.8–1.1 23.95N–.02 122.44E–.02 24–9 4.1b,3.3s 210 1-79
NIED VII 04 19 19 00 23.90N 122.40E 20 4.1W,3.3s **¶602414583**
ISCJB VII 04 19 19 46.5–.31 23.90N–.02 122.44E–.01 17–2 4.0b,3.3s
JMA VII 04 19 19 46.7–.30 23.91N 122.43E 17–5 3.9,3.3s
BJI VII 04 19 19 47.5 24.02N 122.44E 21 3.8b,3.7L
NEIC VII 04 19 19 48.8–.58 24.10N 122.55E 35 4.5b,3.7L
TAP VII 04 19 19 48.1 23.98N 122.37E 24–0 4.2L,3.7L
IDC VII 04 19 19 49.4–4.4 24.12N 122.57E 41–46 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s318.00000°,δ20.00000°,λ163.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ71.00000°. $M_0$1.79000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=148.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.9km az=192.0.
TAP D.
IDC Error ellipse: s-maj=34.6km s-min=20.2km az=65.0.
ISC VII 04 20 05 47.3–.84 21.79N–.04 121.14E–.03 19–2 4.0b,3.6s 152 0-85
NIED VII 04 20 05 00 22.50N 121.30E 26 4.3W,3.6s **¶601505933**

IDC VII 04 20 05 43.6–.73 21.75N 121.40E 0 4.1,4.0b
ISCJB VII 04 20 05 46.2–.58 21.71N–.03 121.17E–.03 25–3 4.0b,3.6s
TAP VII 04 20 05 46.5 21.78N 121.10E 14–0 4.3L,3.6s
NEIC VII 04 20 05 50.3–1.4 21.67N 121.19E 44–13 4.2b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s121.00000°,δ53.00000°,λ-11.00000°. NP2:ϕ_s218.00000°,δ81.00000°,λ-142.00000°. $M_0$2.78000×10^{15}
IDC Error ellipse: s-maj=33.1km s-min=14.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=155.5.
TAP C.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.7km az=140.0.
ISC VII 04 20 10 43.7–2.3 21.7N–.10 121.19E–.04 15–8 3.4b,3.1s 116 0-50
TAP VII 04 20 10 46.1 21.83N 121.18E 3–0 3.9L,3.1s **¶601663493**
IDC VII 04 20 10 58.4–1.4 23.01N 120.05E 0 3.7,3.5b
ISC Event type ke.
TAP D.
IDC Error ellipse: s-maj=42.7km s-min=25.5km az=62.0.
ISC VII 04 21 33 25.3–1.0 23.91N–.02 122.44E–.02 15–7 3.9b 236 1-74
NIED VII 04 21 33 00 23.90N 122.40E 14 3.8W **¶601243743**
IDC VII 04 21 33 23.3–1.2 24.07N 122.43E 0 3.9,3.9b
ISCJB VII 04 21 33 25.6–.54 23.90N–.01 122.46E–.01 10–4 3.8b,2.8s
TAP VII 04 21 33 25.8 23.92N 122.44E 13–0 4.2L,2.8s
JMA VII 04 21 33 26.4–.20 23.91N 122.44E 21 3.5,2.8s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ19.00000°,λ168.00000°. NP2:ϕ_s60.00000°,δ86.00000°,λ71.00000°. $M_0$5.04000×10^{14}
IDC Error ellipse: s-maj=41.3km s-min=24.7km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=26.2.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 05 06 05 47.0–1.1 24.02N–.03 122.42E–.02 25–13 58 1-2
ISCJB VII 05 06 05 46.7–.48 23.98N–.03 122.45E–.02 15–6 **¶602414637**
JMA VII 05 06 05 46.8–.30 24.01N 122.41E 14–5 2.4
TAP VII 05 06 05 47.4 24.06N 122.44E 29–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=160.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VII 05 07 26 32.5–1.7 24.89N–.07 122.53E–.04 9–13 26 0-1
ISCJB VII 05 07 26 32.0–1.1 24.97N–.07 122.56E–.04 10–6 **¶602414647**
TAP VII 05 07 26 31.4 24.94N 122.54E 5–0 2.7L
JMA VII 05 07 26 33.4–.20 24.89N 122.50E 20 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.1km az=21.8.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 05 09 41 17.3–1.9 24.95N–.09 122.86E–.04 15–12 30 0-3
JMA VII 05 09 41 17.0–.30 24.97N 122.85E 14 2.5 **¶602414655**
TAP VII 05 09 41 17.7 24.91N 122.84E 11–1 2.8L
ISCJB VII 05 09 41 18.0–1.3 24.92N–.08 122.86E–.04 19–9 2.8L
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC VII 05 09 58 30.3–1.3 24.96N–.05 122.89E–.03 16–10 53 1-3
ISCJB VII 05 09 58 30.7–.70 24.96N–.05 122.89E–.03 18–5 **¶602414656**
JMA VII 05 09 58 30.7–.20 24.96N 122.88E 19–3 2.5
TAP VII 05 09 58 31.1 24.90N 122.83E 11–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.9km az=16.7.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
ISC VII 05 10 02 56.6–1.4 24.87N–.06 122.90E–.03 13–12 57 0-3
ISCJB VII 05 10 02 57.7–.75 24.86N–.06 122.89E–.03 17–5 **¶602414658**
JMA VII 05 10 02 57.6–.30 24.90N 122.89E 23–4 2.4
TAP VII 05 10 02 59.4 24.72N 122.78E 14–2 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=3.8km az=9.4.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP D.
ISC VII 06 06 51 09.6–1.2 24.63N–.04 122.50E–.02 6–11 63 0-2
ISCJB VII 06 06 51 10.8–.72 24.61N–.04 122.47E–.02 10–5 **¶602414779**
TAP VII 06 06 51 10.8 24.64N 122.47E 15–0 2.9L
JMA VII 06 06 51 11.6 24.60N 122.46E 25–2 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.4km az=8.8.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA VII 06 09 03 17.1–.20 24.81N 122.88E 33–4 2.0
IDC VII 06 09 04 13.3–5.0 20.39N 124.70E 0 3.7,3.5 **¶603635238**
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=334.6km s-min=27.6km az=62.0.
ISC VII 06 17 47 04.3–1.4 24.83N–.06 122.85E–.03 5–11 43 0-3
ISCJB VII 06 17 47 06.0–.67 24.83N–.05 122.87E–.02 22–4 **¶602414869**
TAP VII 06 17 47 06.5 24.77N 122.77E 10–1 2.5L
JMA VII 06 17 47 06.4–.10 24.76N 122.85E 35–3 1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.6km az=6.8.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VII 07 13 35 13.4–1.3 24.38N–.04 122.73E–.02 82–8 137 0-3
ISCJB VII 07 13 35 13.2–.38 24.38N–.02 122.72E–.02 79–5 **¶602414972**
JMA VII 07 13 35 13.2–.10 24.36N 122.70E 82–2 1.7
TAP VII 07 13 35 13.2 24.38N 122.70E 81–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=173.6.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC VII 07 14 04 00.8–1.0 23.94N–.02 122.36E–.02 11–8 3.4b 211 1-49
IDC VII 07 14 03 59.7–1.3 24.09N 122.39E 0 3.6,3.5 **¶601663593**
NIED VII 07 14 04 00 23.90N 122.40E 17 3.7W,3.5
JMA VII 07 14 04 01.8–.20 23.92N 122.37E 18–4 3.6,3.5
TAP VII 07 14 04 02.5 24.00N 122.31E 17–0 4.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=24.5km az=67.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ80.00000°,λ3.00000°. NP2:ϕ_s141.00000°,δ87.00000°,λ170.00000°. $M_0$4.61000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
JMA VII 07 14 49 30.2–.30 25.44N 122.71E 233–4 3.6
¶603635984
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC VII 08 04 57 49.2–1.1 23.93N–.03 122.86E–.02 14–9 129 1-3
ISCJB VII 08 04 57 48.6–.58 23.88N–.02 122.87E–.02 6–4 **¶602415037**
TAP VII 08 04 57 49.3 23.95N 122.88E 13–0 3.1L
JMA VII 08 04 57 50.4–.20 23.99N 122.84E 21–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=150.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 08 21 51 44.4–1.2 23.92N–.03 122.67E–.02 20–4 84 1-2
TAP VII 08 21 51 43.3 23.90N 122.67E 11–1 2.6L **¶602415113**
ISCJB VII 08 21 51 44.6–.47 23.88N–.03 122.69E–.02 23–4 2.6L
JMA VII 08 21 51 45.5–.20 24.03N 122.63E 30–5 1.8
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=169.9.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VII 09 17 13 07.1–1.7 24.85N–.06 122.69E–.03 128–10 116 0-3
JMA VII 09 17 13 07.2–.20 24.78N 122.69E 131–2 1.8 **¶602415203**
TAP VII 09 17 13 07.9 24.84N 122.67E 126–1 3.0L
ISCJB VII 09 17 13 08.1–.56 24.79N–.03 122.70E–.02 118–4 3.0L
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC VII 10 05 31 52.9–1.0 24.87N–.03 122.36E–.02 13–9 74 0-2
ISCJB VII 10 05 31 53.0–.44 24.88N–.03 122.37E–.02 6–3 **¶602415251**
JMA VII 10 05 31 52.8–.30 24.83N 122.35E 1–3 2.9
TAP VII 10 05 31 52.6 24.91N 122.36E 13–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=20.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VII 10 12 42 57.3–.84 24.68N–.02 122.34E–.02 12–5 4.2b,3.5s 236 0-82
NIED VII 10 12 42 00 24.60N 122.30E 5 4.2W,3.5s **¶601261439**
ISCJB VII 10 12 42 55.9–.32 24.73N–.01 122.40E–.01 5–2 4.1b,3.4s
JMA VII 10 12 42 57.6 24.64N 122.30E 33–3 4.2,3.4s
NEIC VII 10 12 42 57.1–.25 24.67N 122.29E 10 4.7b,3.4s
TAP VII 10 12 42 57.1 24.71N 122.30E 12–0 4.6L,3.4s
BJI VII 10 12 42 57.0 24.93N 122.37E 5 4.3b,4.2b
IDC VII 10 12 43 03.6–3.4 24.77N 122.41E 65–33 3.9,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s140.00000°,δ35.00000°,λ-16.00000°. NP2:ϕ_s243.00000°,δ81.00000°,λ-124.00000°. $M_0$2.09000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.8km az=4.9.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.5km az=107.0.
TAP C.
IDC Error ellipse: s-maj=18.6km s-min=12.2km az=72.0.
ISC VII 11 11 59 19.4–1.2 24.46N–.03 122.31E–.02 61–8 134 0-3
ISCJB VII 11 11 59 18.7–.36 24.46N–.02 122.32E–.02 65–5 **¶602415367**
JMA VII 11 11 59 18.3–.10 24.40N 122.27E 71–2 2.3
TAP VII 11 11 59 18.4 24.46N 122.33E 62–1 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=164.0.
TAP D.
ISC VII 11 16 43 00.4–1.5 24.7N–.10 122.89E–.04 25–11 22 0-1
JMA VII 11 16 42 54.6–.30 24.96N 122.78E 0 2.0 **¶602415384**
ISCJB VII 11 16 43 00.4–1.4 24.8N–.10 122.90E–.03 30–7 2.0
TAP VII 11 16 43 01.6 24.72N 122.84E 30–0 2.6L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=4.8km az=4.9.
TAP D.
ISC VII 11 21 45 10.8–1.1 24.72N–.02 122.39E–.02 8–9 144 0-3
ISCJB VII 11 21 45 11.9–.34 24.69N–.02 122.36E–.01 6–2 **¶602415416**
TAP VII 11 21 45 11.8 24.69N 122.28E 3–0 3.4L
JMA VII 11 21 45 13.0 24.63N 122.31E 35–4 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=15.9.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 12 03 08 44.0–.76 24.37N–.03 122.16E–.02 56–5 3.4b 185 0-69
NIED VII 12 03 08 00 24.30N 122.10E 38 3.8W **¶601276042**
ISCJB VII 12 03 08 42.8–.20 24.36N–.02 122.17E–.01 60–3 3.4b
JMA VII 12 03 08 42.4–.20 24.28N 122.14E 62–3 4.0
TAP VII 12 03 08 43.2 24.37N 122.12E 59–0 4.4L
IDC VII 12 03 08 43.9–5.2 24.46N 122.28E 56–51 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ43.00000°,λ-158.00000°. NP2:ϕ_s312.00000°,δ75.00000°,λ-50.00000°. $M_0$5.42000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=156.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=32.4km s-min=19.3km az=65.0.
ISC VII 12 07 36 57.3–1.2 24.70N–.03 122.18E–.02 81–6 170 0-6
ISCJB VII 12 07 36 56.9–.33 24.71N–.02 122.19E–.02 81–3 **¶602415453**
TAP VII 12 07 36 57.0 24.69N 122.17E 82–0 3.8L
JMA VII 12 07 36 57.0–.20 24.65N 122.15E 81–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=164.4.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 12 12 19 32.5–1.1 23.81N–.02 122.00E–.02 33–3 84 0-3
ISCJB VII 12 12 19 32.3–.37 23.78N–.02 122.05E–.02 32–3 **¶602415465**
JMA VII 12 12 19 32.6–.10 23.81N 121.99E 37–3 2.4
TAP VII 12 12 19 32.9 23.81N 121.97E 31–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=157.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC VII 12 18 47 28.6–1.2 24.84N–.04 122.48E–.03 8–12 59 0-1
ISCJB VII 12 18 47 28.4–.54 24.88N–.03 122.48E–.02 6–3 **¶602415491**
JMA VII 12 18 47 28.8–.20 24.82N 122.45E 2–3 2.1
TAP VII 12 18 47 29.2 24.88N 122.38E 6–1 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=23.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC VII 13 02 00 07.7–1.5 24.67N–.05 122.57E–.03 108–8 124 0-3
ISCJB VII 13 02 00 07.5–.48 24.66N–.03 122.57E–.02 105–4 **¶602415522**
JMA VII 13 02 00 07.2–.20 24.61N 122.55E 112–2 2.5
TAP VII 13 02 00 07.3 24.70N 122.58E 110–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=176.8.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
TAP VII 13 15 11 30.6 22.32N 119.99E 36–0 3.4L
¶602415603
TAP C.
ISC VII 13 20 09 37.0–2.1 21.87N–.08 121.95E–.04 10–11 48 0-4
TAP VII 13 20 09 35.0 21.71N 122.04E 6–0 2.8L **¶602415634**
ISCJB VII 13 20 09 35.0–1.2 21.74N–.06 122.04E–.03 4–8 2.8L
JMA VII 13 20 09 37.7–.80 22.01N 122.01E 0 3.5
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.2km az=177.6.
JMA Error ellipse: s-maj=7.8km s-min=1.0km az=-1.0.
ISC VII 15 02 10 47.1–1.1 24.00N–.02 122.46E–.02 23–13 122 1-2
ISCJB VII 15 02 10 46.9–.34 23.98N–.02 122.48E–.01 16–3 **¶602415799**
JMA VII 15 02 10 46.9–.20 23.98N 122.46E 19–4 2.2
TAP VII 15 02 10 47.6 24.05N 122.46E 28–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=162.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VII 16 02 00 05.5–2.2 25.5N–.10 122.62E–.05 272–13 72 1-4
TAP VII 16 02 00 04.9 25.58N 122.85E 275–0 3.9L **¶602415947**
ISCJB VII 16 02 00 07.8–.75 25.37N–.09 122.64E–.03 261–5 3.9L
JMA VII 16 02 00 07.6–.30 25.46N 122.59E 258–4 4.2
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=4.5km az=172.0.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISC VII 16 02 19 56.0–1.3 22.71N–.02 122.47E–.02 2–9 3.7b 204 1-84
NIED VII 16 02 19 00 22.70N 122.50E 29 4.1W **¶601404295**
IDC VII 16 02 19 58.1–.88 22.62N 123.08E 0 4.0,3.9
JMA VII 16 02 19 59.5–.10 22.74N 122.46E 37 4.7,3.9
BJI VII 16 02 20 00.3 22.88N 122.44E 6 3.9b,3.9b
TAP VII 16 02 20 01.0 22.69N 122.39E 46–1 4.7L,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ79.00000°,λ-6.00000°. NP2:ϕ_s262.00000°,δ84.00000°,λ-169.00000°. $M_0$1.76000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=17.4km az=86.0.

JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC VII 16 06 05 21.4–1.1 24.62N–.05 122.52E–.02 19–3 52 0-2
ISCJB VII 16 06 05 21.3–.56 24.65N–.04 122.54E–.02 11–4 ¶602415960
JMA VII 16 06 05 21.9 24.58N 122.52E 25–1 2.2
TAP VII 16 06 05 21.3 24.65N 122.51E 13–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=2.3km az=6.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VII 16 08 51 30.6–1.2 23.99N–.03 122.26E–.02 18–6 75 1-3
ISCJB VII 16 08 51 29.9–.82 23.97N–.02 122.27E–.02 9–5 ¶602415982
JMA VII 16 08 51 30.7–.10 23.98N 122.26E 19–3 2.3
TAP VII 16 08 51 30.5 24.01N 122.28E 17–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=158.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VII 16 21 12 26.7–3.2 23.34N–.06 122.41E–.04 17–24 31 1-2
ISCJB VII 16 21 12 27.0–.87 23.32N–.06 122.43E–.04 22–7 ¶602416057
TAP VII 16 21 12 26.7 23.34N 122.40E 17–2 3.1L
JMA VII 16 21 12 27.3–.10 23.34N 122.43E 25 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=3.5km az=152.5.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VII 17 09 18 49.5–2.2 24.8N–.10 122.90E–.03 139–14 45 0-2
TAP VII 17 09 18 49.7 24.83N 122.85E 143–0 2.9L ¶602416112
ISCJB VII 17 09 18 50.1–.90 24.76N–.07 122.89E–.03 131–6 2.9L
JMA VII 17 09 18 50.0–.20 24.75N 122.91E 136–3 1.7
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=3.8km az=177.1.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISC VII 19 11 06 43.2–2.1 25.04N–.07 122.39E–.03 155–11 94 0-3
JMA VII 19 11 06 43.4–.20 24.94N 122.36E 155–3 2.4 ¶602416297
TAP VII 19 11 06 43.7 25.02N 122.40E 154–0 3.1L
ISCJB VII 19 11 06 44.1–.66 25.01N–.04 122.40E–.02 144–5 3.1L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VII 20 18 23 35.7–1.3 24.42N–.03 122.48E–.02 75–7 153 0-3
ISCJB VII 20 18 23 35.4–.36 24.42N–.02 122.48E–.02 74–4 ¶602416462
JMA VII 20 18 23 35.3–.10 24.35N 122.46E 75–2 2.3
TAP VII 20 18 23 35.1 24.40N 122.49E 80–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=168.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP B.
ISC VII 22 04 43 24.5–1.1 22.56N–.02 121.73E–.02 13–9 205 0-4
JMA VII 22 04 43 26.1–.10 22.58N 121.66E 32 3.6 ¶602416622
TAP VII 22 04 43 26.4 22.55N 121.65E 20–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC VII 22 08 10 01.0–1.4 24.60N–.06 122.76E–.03 85–8 64 0-2
ISCJB VII 22 08 10 00.9–.56 24.58N–.04 122.76E–.02 83–5 ¶602416626
TAP VII 22 08 10 00.8 24.58N 122.74E 86–1 2.9L
JMA VII 22 08 10 00.7–.20 24.74N 122.80E 83–3 1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=2.8km az=176.3.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VII 22 15 56 19.8–1.2 24.33N–.03 122.23E–.02 52–9 103 0-2
ISCJB VII 22 15 56 19.3–.36 24.33N–.02 122.23E–.02 54–5 ¶602416643
JMA VII 22 15 56 19.4–.20 24.38N 122.28E 67–2 2.1
TAP VII 22 15 56 19.1 24.33N 122.19E 58–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=153.7.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP B.
ISC VII 22 22 12 18.4–.62 24.36N–.02 122.08E–.02 20–2 3.9b,3.1s 131 0-78
NIED VII 22 22 12 00 24.50N 122.10E 38 4.2W,3.1s ¶601467861
IDC VII 22 22 12 14.5–1.0 24.34N 121.95E 0 3.9,3.8
BJI VII 22 22 12 16.2 24.33N 122.08E 6 3.9b,3.6L
TAP VII 22 22 12 18.6 24.38N 122.01E 21–0 4.3L,3.6L
ISCJB VII 22 22 12 18.5–.26 24.39N–.02 122.11E–.02 23–3 3.6b,3.2s
JMA VII 22 22 12 19.3–.20 24.45N 122.11E 45–4 3.5,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ18.00000°,λ-111.00000°. NP2:ϕ_s112.00000°,δ73.00000°,λ-83.00000°. $M_0$2.56000×10^{15}
IDC Error ellipse: s-maj=43.1km s-min=19.7km az=62.0.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=161.0.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VII 23 20 17 18.7–.94 24.71N–.03 122.36E–.02 16–7 96 0-2
ISCJB VII 23 20 17 18.8–.36 24.70N–.02 122.36E–.01 7–2 ¶602416720
TAP VII 23 20 17 18.7 24.71N 122.33E 10–0 2.6L
JMA VII 23 20 17 19.8 24.63N 122.29E 35–4 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=7.9.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 24 21 37 59.8–1.0 24.66N–.03 122.34E–.02 21–2 88 0-2
ISCJB VII 24 21 38 00.4–.33 24.65N–.02 122.33E–.02 21–4 ¶602416839
JMA VII 24 21 38 00.4–.10 24.64N 122.31E 39–5 2.6
TAP VII 24 21 38 00.2 24.65N 122.28E 18–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=6.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
TAP VII 25 10 54 35.2 24.11N 122.31E 45–1 2.6L
¶602416901
TAP D.
ISC VII 25 20 59 39.3–1.3 24.44N–.03 122.36E–.02 71–8 127 0-2
ISCJB VII 25 20 59 39.0–.40 24.44N–.02 122.37E–.02 69–5 ¶602416963
JMA VII 25 20 59 39.0–.10 24.39N 122.35E 74–2 1.9
TAP VII 25 20 59 39.4 24.47N 122.27E 79–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=163.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VII 26 11 46 45.5–1.2 24.32N–.05 122.95E–.02 45–7 90 0-3
ISCJB VII 26 11 46 45.0–.31 24.32N–.04 122.95E–.02 47–6 ¶602417047
JMA VII 26 11 46 45.2–.10 24.33N 122.96E 49–1 2.8
TAP VII 26 11 46 45.3 24.34N 122.92E 43–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.7km az=175.8.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC VII 26 12 23 35.3–1.2 22.33N–.03 121.42E–.03 9–10 68 0-4
JMA VII 26 12 23 33.6–.20 22.29N 121.52E 0 2.9 ¶602417053
ISCJB VII 26 12 23 36.2–.44 22.32N–.02 121.42E–.03 22–5 2.9
TAP VII 26 12 23 36.1 22.36N 121.35E 11–1 2.7L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=26.8.
TAP C.
ISC VII 26 17 07 02.0–.95 22.20N–.03 121.40E–.02 17–7 119 0-4
JMA VII 26 17 07 00.7–.30 22.14N 121.41E 10 3.4 ¶602417086
ISCJB VII 26 17 07 01.0–.46 22.14N–.03 121.48E–.02 15–4 3.4
TAP VII 26 17 07 02.5 22.21N 121.38E 14–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=166.6.
TAP C.
ISC VII 27 16 21 55.1–.76 22.95N–.02 121.26E–.02 13–4 3.5b,2.9s 158 0-79
IDC VII 27 16 21 52.7–1.0 23.00N 121.78E 0 3.6,3.5 ¶601666529
ISCJB VII 27 16 21 53.5–.34 22.91N–.01 121.29E–.02 4–2 3.4b,2.9s
TAP VII 27 16 21 54.1 22.97N 121.20E 9–0 3.8L,2.9s
JMA VII 27 16 21 55.1–.60 22.79N 121.66E 0 3.4,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=20.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=39.8.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC VII 28 12 08 52.1–1.4 24.90N–.05 122.23E–.03 107–7 141 0-3
JMA VII 28 12 08 51.6–.20 24.95N 122.23E 103–3 2.0 ¶602417268
ISCJB VII 28 12 08 52.2–.47 24.87N–.02 122.22E–.02 104–3 2.0
TAP VII 28 12 08 52.4 24.89N 122.20E 106–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=164.8.
TAP C.
ISC VII 28 16 14 36.2–1.1 24.85N–.05 122.45E–.02 23–12 45 0-2
JMA VII 28 16 14 35.8–.20 24.81N 122.43E 2 2.5 ¶602417277
TAP VII 28 16 14 36.0 24.84N 122.46E 24–0 2.3L
ISCJB VII 28 16 14 36.0–.51 24.86N–.03 122.46E–.02 10–3 2.3L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VII 28 19 25 29.3–1.4 24.86N–.04 122.51E–.02 122–7 167 0-3
TAP VII 28 19 25 28.8 24.92N 122.53E 122–0 3.8L ¶602417296
ISCJB VII 28 19 25 29.1–.41 24.85N–.03 122.52E–.02 120–3 3.8L
JMA VII 28 19 25 29.1–.20 24.99N 122.52E 116–4 2.7
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=170.2.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VII 28 22 45 15.0–1.3 24.44N–.03 122.31E–.02 65–8 103 0-2
ISCJB VII 28 22 45 14.9–.40 24.44N–.02 122.31E–.02 62–5 ¶602417314
JMA VII 28 22 45 15.1–.10 24.69N 122.38E 69–1 2.2
TAP VII 28 22 45 15.3 24.44N 122.25E 67–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=168.1.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP B.
ISC VII 28 22 55 35.9–1.0 24.96N–.03 122.29E–.02 12–10 50 0-2
ISCJB VII 28 22 55 36.2–.48 24.94N–.03 122.28E–.02 2–5 ¶602417315
JMA VII 28 22 55 36.7–.30 24.50N 122.11E 9 2.2
TAP VII 28 22 55 37.3 24.93N 122.25E 4–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=16.4.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
ISC VII 29 22 09 07.9–1.0 24.76N–.03 122.34E–.02 13–8 128 0-3
ISCJB VII 29 22 09 07.6–.37 24.70N–.02 122.37E–.02 4–3 ¶602417399
TAP VII 29 22 09 07.7 24.71N 122.33E 11–0 3.7L
JMA VII 29 22 09 08.0–.20 24.94N 122.42E 18–4 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=18.6.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VII 30 06 50 55.9–1.3 24.76N–.03 122.07E–.02 80–6 158 0-3
ISCJB VII 30 06 50 55.7–.37 24.76N–.02 122.07E–.02 79–3 ¶602417434
JMA VII 30 06 50 55.3 24.79N 122.07E 83 3.1
TAP VII 30 06 50 55.7 24.74N 122.02E 81–0 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=162.2.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP B.
ISC VII 30 13 44 40.8–1.2 24.85N–.05 122.55E–.03 16–10 46 0-2
ISCJB VII 30 13 44 41.4–.61 24.93N–.04 122.53E–.03 8–4 ¶602417454
JMA VII 30 13 44 42.4 24.61N 122.44E 55 2.2
TAP VII 30 13 44 42.5 24.91N 122.49E 5–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.5km az=20.3.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP D.
ISC VIII 03 00 04 42.7–1.1 21.06N–.06 120.65E–.08 120–6 4.0b 65 1-86
NEIC VIII 03 00 04 24.6–1.1 20.04N 121.54E 36–11 4.1b ¶601551752
IDC VIII 03 00 04 24.9–4.6 20.05N 121.53E 38–42 4.1,4.1L
ISCJB VIII 03 00 04 44.7–.77 21.20N–.05 120.60E–.08 134–5 3.7b,4.1L
TAP VIII 03 00 04 50.6 21.26N 120.63E 54–1 3.9L,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=77.0.
IDC Error ellipse: s-maj=26.1km s-min=16.5km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.4km az=171.9.
TAP D.
ISC VIII 03 09 20 12.2–1.2 24.80N–.06 122.36E–.03 13–9 33 0-2
ISCJB VIII 03 09 20 13.8–.92 24.74N–.05 122.33E–.02 14–6 ¶602417634
JMA VIII 03 09 20 13.6–.10 24.95N 122.42E 21 2.2
TAP VIII 03 09 20 14.3 24.71N 122.26E 15–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.2km az=13.8.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
ISC VIII 05 02 09 51.7–.96 24.73N–.03 122.33E–.02 16–7 73 0-2
ISCJB VIII 05 02 09 51.6–.38 24.71N–.02 122.35E–.02 7–3 ¶602417729
TAP VIII 05 02 09 52.9 24.71N 122.29E 6–1 2.8L
JMA VIII 05 02 09 52.5–.10 24.78N 122.37E 32 2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=16.5.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC VIII 05 12 34 44.5–.00 24.91N–.03 122.41E–.02 14–7 3.3b 139 0-50
IDC VIII 05 12 34 40.8–6.8 25.09N 122.68E 0 3.3,3.1 ¶601765495
ISCJB VIII 05 12 34 44.0–.41 24.94N–.02 122.45E–.02 7–2 3.2b,3.1
TAP VIII 05 12 34 44.8 24.91N 122.36E 13–0 3.2L,3.1
JMA VIII 05 12 34 45.4–.10 24.86N 122.39E 38 2.9,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=441.4km s-min=28.7km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=21.1.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP VIII 06 04 09 13.1 21.52N 121.15E 31–0 3.8L
¶602417825
TAP D.
ISC VIII 06 18 26 10.3–.71 24.33N–.03 122.97E–.02 47–5 3.9b,3.4s 205 0-95
NIED VIII 06 18 26 00 24.50N 123.00E 50 4.6W,3.4s ¶601765569
ISCJB VIII 06 18 26 09.7–.20 24.32N–.02 122.97E–.01 54–3 3.8b,3.5s
JMA VIII 06 18 26 10.3–.10 24.35N 122.99E 49–1 4.4,3.5s
TAP VIII 06 18 26 10.0 24.34N 122.95E 45–0 4.9L,3.5s
IDC VIII 06 18 26 16.4–5.5 24.44N 122.90E 106–54 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ31.00000°,λ119.00000°. NP2:ϕ_s60.00000°,δ63.00000°,λ74.00000°. $M_0$7.63000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=170.3.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=22.8km s-min=14.4km az=73.0.
ISC VIII 07 09 13 36.9–1.0 24.61N–.04 122.40E–.02 12–9 63 0-2

ISCJB VIII 07 09 13 36.8–.42 24.64N–.03 122.41E–.02 6–3 ¶602417868
JMA VIII 07 09 13 37.8–.10 24.77N 122.46E 32 2.6
TAP VIII 07 09 13 37.2 24.67N 122.36E 11–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=15.7.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP C.
ISC VIII 10 05 12 00.4–1.4 24.54N–.05 122.45E–.02 81–9 84 0-3
JMA VIII 10 05 11 59.7–.10 24.46N 122.42E 85–2 2.3 ¶602418077
TAP VIII 10 05 11 59.4 24.55N 122.44E 90–0 3.1L
ISCJB VIII 10 05 12 00.0–.52 24.56N–.04 122.45E–.02 81–5 3.1L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
TAP VIII 10 11 12 18.7 22.15N 121.41E 80–0 3.5L
¶602418091
TAP B.
ISC VIII 11 15 31 56.5–1.1 23.65N–.02 122.43E–.02 13–9 97 1-2
ISCJB VIII 11 15 31 59.0–.42 23.66N–.02 122.41E–.02 25–3 ¶602418160
JMA VIII 11 15 31 59.6 23.68N 122.40E 40 2.2
TAP VIII 11 15 32 00.3 23.72N 122.39E 45–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=148.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC VIII 14 02 06 49.4–.74 23.90N–.02 122.56E–.02 30–5 4.8b,4.4s 619 1-167
NIED VIII 14 02 06 00 23.90N 122.50E 35 5.0W,4.4s ¶601557032
IDC VIII 14 02 06 44.7–.50 24.10N 122.63E 0 4.6,4.6b
BJI VIII 14 02 06 46.2 24.03N 122.46E 10 4.9b,4.7
JMA VIII 14 02 06 47.8–.20 23.91N 122.51E 21–3 5.1,4.7
NEIC VIII 14 02 06 48.1–.00 23.93N 122.54E 28 5.2L,4.9b
TAP VIII 14 02 06 48.1 23.93N 122.54E 28–0 4.9L,4.9b
MOS VIII 14 02 06 48.8–1.1 24.16N 122.53E 34 5.1b,4.3s
ISCJB VIII 14 02 06 49.2–.19 23.92N–.01 122.54E–.01 42–1 4.8b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ8.00000°,λ128.00000°. NP2:ϕ_s65.00000°,δ84.00000°,λ85.00000°. M_o4.05000×10^{16}
JMA Event type fe.
NEIC Event type fe. Recorded [2 TAP] in Taitung and Yilan; [1 TAP] in Hualien. Recorded [1 JMA] on Iriomote-jima and Yonaguni-jima, Ryukyu Islands. After TAP.
TAP D.
ISCJB Event type fe.
ISC VIII 14 03 52 03.0–1.3 24.76N–.03 122.16E–.02 82–6 151 0-3
ISCJB VIII 14 03 52 02.7–.41 24.76N–.02 122.16E–.02 82–3 ¶602418432
JMA VIII 14 03 52 02.1–.30 24.73N 122.13E 88–3 2.3
TAP VIII 14 03 52 02.8 24.78N 122.12E 83–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=162.3.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP B.
ISC VIII 14 05 29 39.0–1.5 24.86N–.05 122.05E–.03 95–7 118 0-3
JMA VIII 14 05 29 37.9–.20 24.81N 122.00E 100–2 3.1 ¶602418441
ISCJB VIII 14 05 29 38.4–.50 24.86N–.03 122.05E–.02 97–3 3.1
TAP VIII 14 05 29 38.5 24.90N 122.04E 100–0 3.9L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=176.1.
TAP C.
TAP VIII 15 11 15 29.6 21.17N 122.21E 207–1 3.8L
¶602418606
TAP D.
ISC VIII 15 20 20 27.2–1.2 23.89N–.03 122.84E–.02 15–10 112 1-3
ISCJB VIII 15 20 20 27.1–.77 23.86N–.02 122.83E–.02 12–5 ¶602418650
TAP VIII 15 20 20 27.7 23.94N 122.85E 19–0 2.8L
JMA VIII 15 20 20 29.0–.20 23.98N 122.86E 22–4 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=154.1.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VIII 16 15 05 52.7–1.1 23.95N–.02 122.30E–.02 20–4 98 1-2
ISCJB VIII 16 15 05 53.6–.37 23.99N–.02 122.31E–.02 26–3 ¶602419550
JMA VIII 16 15 05 53.5–.10 23.97N 122.32E 26 2.6
TAP VIII 16 15 05 53.0 24.00N 122.30E 21–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=145.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC VIII 16 17 20 38.0–.91 24.52N–.03 122.94E–.02 102–5 192 0-49
ISCJB VIII 16 17 20 38.1–.31 24.50N–.02 122.93E–.01 98–3 3.7b ¶601765952
JMA VIII 16 17 20 38.7–.10 24.69N 122.96E 94–2 3.4
TAP VIII 16 17 20 38.4 24.56N 122.93E 96–0 3.9L
IDC VIII 16 17 20 39.5–8.9 24.17N 123.44E 77–112 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=171.5.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=71.9km s-min=56.4km az=9.0.
ISC VIII 16 23 22 39.5–1.0 24.03N–.03 122.44E–.02 27–12 77 1-2
ISCJB VIII 16 23 22 39.8–.43 24.03N–.02 122.44E–.02 30–3 ¶602419606
JMA VIII 16 23 22 39.6–.20 24.01N 122.45E 22–4 2.2
TAP VIII 16 23 22 41.0 24.08N 122.38E 32–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=161.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC VIII 17 04 09 21.5–1.3 22.32N–.04 121.33E–.03 84–6 166 0-5
NIED VIII 17 04 09 00 22.40N 121.80E 80 4.2W ¶601566364
JMA VIII 17 04 09 20.7–.30 22.45N 121.75E 0 3.9
ISCJB VIII 17 04 09 21.4–.40 22.33N–.02 121.37E–.02 82–3 3.9
TAP VIII 17 04 09 22.0 22.34N 121.34E 77–0 4.2L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ9.00000°,λ21.00000°. NP2:ϕ_s229.00000°,δ87.00000°,λ98.00000°. M_o1.97000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=152.5.
TAP B.
ISC VIII 17 11 57 29.8–1.1 22.45N–.02 121.15E–.02 4–9 126 0-4
JMA VIII 17 11 57 27.8–.10 22.42N 121.39E 0 3.2 ¶602419657
ISCJB VIII 17 11 57 30.3–.37 22.43N–.02 121.16E–.02 7–3 3.2
TAP VIII 17 11 57 31.1 22.47N 121.03E 11–0 3.7L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=39.1.
TAP B.
ISC VIII 17 21 03 10.7–1.0 24.68N–.02 122.33E–.02 14–8 102 0-3
ISCJB VIII 17 21 03 10.6–.37 24.69N–.02 122.35E–.02 5–3 ¶602419772
JMA VIII 17 21 03 11.5 24.69N 122.32E 33–4 2.6
TAP VIII 17 21 03 11.7 24.71N 122.25E 15–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=22.4.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP B.
ISC VIII 19 12 01 56.8–1.4 23.46N–.03 122.52E–.03 28–15 87 1-2
JMA VIII 19 12 01 57.1–.10 23.45N 122.54E 41 2.7 ¶602419895
TAP VIII 19 12 01 58.5 23.52N 122.45E 65–1 3.3L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC VIII 19 13 42 37.6–1.5 24.48N–.05 122.79E–.03 87–9 70 0-3
JMA VIII 19 13 42 36.9–.10 24.54N 122.78E 90–1 1.7 ¶602419900
TAP VIII 19 13 42 36.7 24.47N 122.81E 87–1 2.9L
ISCJB VIII 19 13 42 37.2–.61 24.49N–.04 122.79E–.02 88–6 2.9L
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC VIII 23 22 46 54.2–1.0 24.86N–.03 122.11E–.03 15–8 64 0-2
TAP VIII 23 22 46 54.7 24.85N 122.06E 16–0 2.9L ¶602420296
ISCJB VIII 23 22 46 55.3–.37 24.84N–.02 122.08E–.02 10–3 2.9L
JMA VIII 23 22 46 55.8 24.82N 122.03E 32 2.6
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=38.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VIII 24 16 26 22.4–1.2 23.97N–.02 122.40E–.02 15–9 129 1-2
ISCJB VIII 24 16 26 24.0–.35 23.98N–.02 122.40E–.02 22–3 ¶602420323
JMA VIII 24 16 26 24.3–.10 23.95N 122.38E 48–4 2.2
TAP VIII 24 16 26 24.8 24.01N 122.39E 48–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=147.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
JMA VIII 25 13 49 19.2–.10 23.95N 122.68E 31 1.8
¶606018653
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VIII 27 22 56 05.2–1.3 24.67N–.04 122.43E–.02 92–7 136 0-3
ISCJB VIII 27 22 56 05.3–.43 24.66N–.02 122.44E–.02 88–4 ¶602422288
TAP VIII 27 22 56 05.5 24.73N 122.34E 96–0 3.4L
JMA VIII 27 22 56 05.1–.20 24.63N 122.43E 87–3 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=169.1.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VIII 29 13 42 35.3–2.5 25.16N–.09 122.73E–.04 170–15 57 1-2
JMA VIII 29 13 42 35.8–.20 25.14N 122.74E 167–3 2.4 ¶602422393
TAP VIII 29 13 42 35.5 25.30N 122.61E 177–1 3.0L
ISCJB VIII 29 13 42 36.2–.90 25.13N–.06 122.73E–.03 161–6 3.0L
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC VIII 29 14 24 15.1–.99 22.95N–.02 121.55E–.02 14–6 4.0b 194 0-81
IDC VIII 29 14 24 12.7–.87 22.91N 121.72E 0 3.9,3.8b ¶601650899
NEIC VIII 29 14 24 13.8–1.3 22.86N 121.58E 7–7 4.4b,3.8b
ISCJB VIII 29 14 24 15.5–.37 22.91N–.02 121.56E–.02 22–3 3.9b,3.1s
BJI VIII 29 14 24 16.7 22.93N 121.50E 19 3.9b,3.7L
JMA VIII 29 14 24 16.6 23.08N 121.63E 6–3 4.0,3.7L
TAP VIII 29 14 24 17.2 23.00N 121.43E 16–0 4.2L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=13.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.0km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=146.5.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC VIII 30 17 24 22.7–1.1 22.33N–.02 121.65E–.02 9–7 3.7b 229 0-75
IDC VIII 30 17 24 21.4–.90 22.18N 121.74E 0 3.9,3.8 ¶601671362
BJI VIII 30 17 24 22.8 22.37N 121.55E 5 3.8b,3.6L
ISCJB VIII 30 17 24 23.8–.53 22.31N–.02 121.70E–.01 15–4 4.0s,3.7b
TAP VIII 30 17 24 24.2 22.33N 121.58E 25–0 4.2L,3.7b
JMA VIII 30 17 24 26.2–.20 22.71N 121.81E 0 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=17.6km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=169.3.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VIII 30 21 32 49.3–1.3 24.41N–.04 122.91E–.02 90–7 139 0-4
JMA VIII 30 21 32 48.9–.10 24.42N 122.89E 93–2 2.4 ¶602422496
TAP VIII 30 21 32 48.5 24.46N 122.94E 96–0 3.1L
ISCJB VIII 30 21 32 49.2–.38 24.42N–.02 122.91E–.02 87–4 3.1L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VIII 31 08 13 22.2–1.2 24.01N–.05 122.79E–.03 25–13 56 0-2
ISCJB VIII 31 08 13 21.8–.55 23.95N–.04 122.78E–.02 20–6 ¶602422537
TAP VIII 31 08 13 22.3 24.04N 122.84E 33–0 2.8L
JMA VIII 31 08 13 23.2–.10 24.08N 122.78E 27–3 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.3km az=0.5.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP VIII 31 12 24 26.6 24.78N 122.00E 70–0 4.4L
¶602422550
TAP C.
ISC VIII 31 22 52 32.5–1.2 23.94N–.03 122.50E–.02 23–14 116 1-3
ISCJB VIII 31 22 52 31.9–.73 23.90N–.02 122.52E–.01 14–5 ¶602422577
JMA VIII 31 22 52 33.0–.10 24.02N 122.49E 32 2.3
TAP VIII 31 22 52 33.7 23.99N 122.47E 29–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=158.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IX 01 05 58 46.7–.92 24.32N–.03 122.97E–.02 44–6 177 0-49
ISCJB IX 01 05 58 46.0–.24 24.33N–.02 122.96E–.01 50–4 3.6b ¶601862700
IDC IX 01 05 58 46.1–3.6 23.79N 123.80E 0 3.7,3.6
JMA IX 01 05 58 46.4–.10 24.36N 122.98E 49–1 3.5,3.6
TAP IX 01 05 58 46.3 24.33N 122.93E 44–0 4.1L,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=171.3.
IDC Error ellipse: s-maj=114.4km s-min=30.4km az=108.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC IX 01 20 42 09.9–1.2 24.45N–.04 122.71E–.02 60–7 98 0-6
ISCJB IX 01 20 42 09.4–.39 24.45N–.03 122.71E–.02 62–5 ¶602422984
JMA IX 01 20 42 09.5–.10 24.36N 122.70E 62–1 2.0
TAP IX 01 20 42 09.3 24.43N 122.68E 60–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=179.2.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC IX 02 04 02 17.8–.87 21.95N–.03 121.42E–.03 31–6 3.5b 152 0-47
IDC IX 02 04 02 13.3–1.1 21.68N 121.29E 0 3.8,3.7 ¶601862765
ISCJB IX 02 04 02 17.4–.36 21.91N–.02 121.46E–.02 37–5 3.6b,3.3s
JMA IX 02 04 02 18.0–.20 22.04N 121.36E 56 4.1,3.3s
TAP IX 02 04 02 18.2 21.98N 121.39E 24–0 4.0L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=20.3km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=161.3.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
TAP C.
ISC IX 02 21 40 07.7–1.7 22.32N–.02 121.20E–.02 19–3 139 0-5
ISCJB IX 02 21 40 07.2–.35 22.28N–.02 121.24E–.02 25–3 ¶602423048
TAP IX 02 21 40 08.0 22.32N 121.16E 19–0 3.6L
JMA IX 02 21 40 10.4–.30 22.61N 121.38E 11–4 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=157.5.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISC IX 02 22 59 48.7–.70 24.71N–.03 122.55E–.02 93–5 3.7b 217 0-72
ISCJB IX 02 22 59 48.6–.24 24.72N–.02 122.56E–.01 96–2 3.7b ¶601862819
IDC IX 02 22 59 49.3–3.8 24.91N 122.59E 100–40 3.8,3.6
JMA IX 02 22 59 49.1–.10 24.57N 122.54E 94–1 3.5,3.6
TAP IX 02 22 59 49.1 24.72N 122.56E 90–0 4.4L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=164.0.

IDC Error ellipse: s-maj=26.8km s-min=16.1km az=70.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP B.
ISC IX 02 23 31 35.1–1.4 24.80N–.03 122.15E–.03 70–7 94 0-2
ISCJB IX 02 23 31 34.6–.47 24.80N–.02 122.15E–.02 72–4 **¶602423057**
JMA IX 02 23 31 34.1–.30 24.79N 122.14E 78–4 2.0
TAP IX 02 23 31 34.6 24.82N 122.12E 72–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=172.9.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
TAP IX 03 06 49 47.3 22.59N 121.56E 36–0 2.4L
¶602423074
TAP C.
ISC IX 03 07 02 42.4–.97 24.70N–.04 122.38E–.02 13–10 46 0-2
ISCJB IX 03 07 02 42.2–.42 24.72N–.03 122.39E–.02 6–3 **¶602423075**
JMA IX 03 07 02 42.3–.20 24.65N 122.38E 1–2 2.1
TAP IX 03 07 02 42.0 24.74N 122.38E 15–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=13.4.
TAP C.
ISC IX 03 17 58 48.1–1.0 24.74N–.02 122.47E–.02 10–8 153 0-4
ISCJB IX 03 17 58 49.5–.29 24.72N–.02 122.44E–.01 20–3 **¶602423095**
TAP IX 03 17 58 49.0 24.72N 122.38E 12–1 3.5L
JMA IX 03 17 58 49.8 24.66N 122.41E 33–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=8.9.
TAP C.
TAP IX 03 18 32 08.2 22.20N 121.24E 38–0 3.2L
¶602423099
TAP C.
ISC IX 03 22 08 43.2–1.3 23.94N–.03 122.43E–.02 21–4 82 1-2
ISCJB IX 03 22 08 43.3–.42 23.93N–.02 122.44E–.02 23–3 **¶602423102**
JMA IX 03 22 08 43.1–.20 23.95N 122.42E 16 2.2
TAP IX 03 22 08 43.7 23.99N 122.43E 25–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=155.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC IX 04 02 33 26.2–.92 24.78N–.03 122.23E–.02 16–7 70 0-2
TAP IX 04 02 33 25.6 24.83N 122.24E 12–0 2.7L **¶602423111**
ISCJB IX 04 02 33 26.0–.45 24.76N–.02 122.24E–.02 10–2 2.7L
JMA IX 04 02 33 26.0–.10 24.72N 122.23E 3 2.1
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=32.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 04 02 34 44.1–1.0 24.79N–.02 122.34E–.02 9–9 114 0-2
ISCJB IX 04 02 34 45.4–.36 24.77N–.02 122.27E–.02 1–3 **¶602423112**
JMA IX 04 02 34 46.1–.10 24.72N 122.24E 46 3.0
TAP IX 04 02 34 46.1 24.77N 122.16E 5–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=29.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IX 04 02 57 54.7–.99 23.91N–.02 122.46E–.01 15–7 4.3b 263 1-83
NIED IX 04 02 57 00 23.90N 122.40E 20 4.0W **¶601836703**
NEIC IX 04 02 57 55.9–1.5 24.00N 122.49E 21–11 4.6b
ISCJB IX 04 02 57 56.1–.33 23.94N–.01 122.50E–.01 23–2 4.4b
JMA IX 04 02 57 56.6–.30 23.93N 122.42E 18–5 3.5
TAP IX 04 02 57 57.0 23.99N 122.43E 21–0 4.2L
IDC IX 04 02 57 59.3–4.3 24.13N 122.55E 46–45 4.0,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ13.00000°,λ144.00000°. NP2:ϕ_s63.00000°,δ83.00000°,λ80.00000°. $M_0$1.22000×10^{15}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.7km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=144.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
IDC Error ellipse: s-maj=37.1km s-min=16.6km az=63.0.
ISC IX 04 03 48 38.2–.94 24.77N–.02 122.22E–.02 13–7 60 0-2
ISCJB IX 04 03 48 38.0–.47 24.78N–.02 122.22E–.02 9–3 **¶602423128**
JMA IX 04 03 48 38.2 24.70N 122.22E 4
TAP IX 04 03 48 38.2 24.81N 122.17E 15–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=145.6.
TAP B.
ISC IX 04 08 59 42.3–.94 24.66N–.05 122.35E–.02 22–5 34 0-2
TAP IX 04 08 59 41.4 24.69N 122.36E 16–1 2.7L **¶602423139**
ISCJB IX 04 08 59 43.0–.36 24.65N–.04 122.32E–.03 25–5 2.7L
JMA IX 04 08 59 43.0–.10 24.67N 122.32E 31–4 2.1
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=14.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 04 14 12 01.3–1.0 24.70N–.03 122.45E–.02 15–9 69 0-3
ISCJB IX 04 14 12 02.9–.36 24.75N–.03 122.42E–.02 19–4 **¶602423170**
JMA IX 04 14 12 03.6 24.66N 122.41E 30–2 2.3
TAP IX 04 14 12 03.4 24.73N 122.34E 13–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=7.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
TAP IX 04 14 12 01.1 22.42N 121.38E 13–0 1.8L
¶602423169
TAP C.
ISC IX 04 14 47 00.5–2.2 24.93N–.10 122.46E–.04 135–14 53 0-2
ISCJB IX 04 14 47 00.8–.83 24.91N–.07 122.48E–.03 130–6 **¶602423184**
JMA IX 04 14 47 00.5–.20 24.88N 122.45E 133–2 1.5
TAP IX 04 14 47 00.0 24.99N 122.48E 135–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=4.0km az=0.6.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC IX 04 15 58 37.6–.00 24.67N–.02 122.32E–.02 20–3 95 0-2
ISCJB IX 04 15 58 38.0–.35 24.69N–.02 122.36E–.02 16–5 **¶602423192**
TAP IX 04 15 58 37.3 24.72N 122.30E 13–0 2.6L
JMA IX 04 15 58 38.3–.10 24.61N 122.32E 37–4 2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=16.2.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 04 20 00 18.6–.53 22.19N–.02 121.11E–.02 18–3 4.9b,4.7s 673 0-169
NIED IX 04 20 00 00 22.00N 120.70E 41 5.5W,4.7s **¶601675399**
JMA IX 04 20 00 13.0–.10 22.01N 120.68E 41–2 5.1,4.7s
BJI IX 04 20 00 14.8 22.10N 121.20E 10 5.3L,5.2s
MOS IX 04 20 00 17.8–.94 22.14N 121.10E 24 5.2b,5.0s
NEIC IX 04 20 00 17.5–1.0 22.17N 121.14E 12–6 5.2L,5.0b
ISCJB IX 04 20 00 17.7–.27 22.14N–.01 121.16E–.01 21–1 4.8b,4.7s
TAP IX 04 20 00 18.3 22.22N 121.03E 10–0 5.2L,4.7s
IDC IX 04 20 00 20.4–1.6 22.10N 121.17E 30–11 4.6,4.6
GCMT IX 04 20 00 20.5–.30 22.28N–.01 121.22E–.02 19–1 5.0W,4.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ5.00000°,λ170.00000°. NP2:ϕ_s51.00000°,δ89.00000°,λ85.00000°. $M_0$1.79000×10^{17}
NEIC Event type fe. Felt at Hengchun. Recorded [3 TAP] in Pingtung and Taitung.
ISCJB Event type fe.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c37; s73,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.17 $M_{\theta\theta}$1.39±.10; $M_{\phi\phi}$-2.68±.13; $M_{r\theta}$1.82±.30; $M_{\theta\phi}$-2.34±.08; $M_{\phi r}$1.14±.24; Best double couple: NP1:ϕ_s62.00000°,δ79.00000°,λ139.00000°. NP2:ϕ_s162.00000°,δ50.00000°,λ15.00000°. Principal axes: T 3.3360,Plg36.0000° ,Azm14.0000°; N 1.0030,Plg48.0000°,Azm229.0000°; P -4.3380,Plg18.0000°,Azm118.0000° $M_0$3.83700×10^{16}
TAP IX 04 20 01 18.8 22.23N 121.00E 12–0 4.4L
¶602423219
TAP C.
TAP IX 04 20 01 42.0 22.24N 121.02E 12–0 4.3L
¶602423222
TAP B.
TAP IX 04 20 02 40.6 22.23N 121.02E 10–0 3.5L
¶602423225
TAP C.
ISC IX 04 21 50 10.0–1.1 22.18N–.03 121.04E–.03 20–2 72 0-4
JMA IX 04 21 50 09.3–.30 22.33N 121.42E 0 2.9 **¶602423305**
TAP IX 04 21 50 09.7 22.20N 121.05E 16–0 3.3L
ISCJB IX 04 21 50 10.2–.35 22.19N–.02 121.08E–.03 22–4 3.3L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC IX 05 01 06 38.3–.92 22.29N–.02 121.10E–.02 12–7 126 0-5
TAP IX 05 01 06 37.7 22.23N 121.03E 10–0 3.7L **¶602423317**
ISCJB IX 05 01 06 38.2–.32 22.22N–.02 121.08E–.02 22–3 3.7L
JMA IX 05 01 06 42.9–.40 22.65N 121.32E 10–4 3.6
ISC Event type ke.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=135.6.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
TAP IX 05 03 17 58.5 22.23N 121.02E 10–0 3.6L
¶602423320
TAP B.
ISC IX 05 03 45 28.1–.93 23.99N–.02 122.41E–.01 14–6 4.4b,3.9s 292 1-96
NIED IX 05 03 45 00 24.00N 122.40E 20 4.5W,3.9s **¶601675145**
ISCJB IX 05 03 45 29.7–.29 23.96N–.01 122.39E–.01 24–2 4.4b,3.8s
JMA IX 05 03 45 29.8–.10 23.95N 122.35E 24–3 4.4,3.8s
BJI IX 05 03 45 29.1 24.10N 122.29E 10 4.6b,4.4b
TAP IX 05 03 45 30.2 24.00N 122.35E 23–0 4.7L,4.4b
NEIC IX 05 03 45 30.3–.90 24.05N 122.42E 30–6 4.7L,4.4b
IDC IX 05 03 45 33.4–3.7 24.18N 122.56E 58–36 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s290.00000°,δ23.00000°,λ147.00000°. NP2:ϕ_s51.00000°,δ78.00000°,λ70.00000°. $M_0$6.02000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=147.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=145.0. Recorded [2 TAP] in Yilan and [1 TAP] in Hualien and Taitung.
IDC Error ellipse: s-maj=25.4km s-min=15.4km az=64.0.
ISC IX 05 03 47 16.3–.89 24.01N–.02 122.35E–.02 19–3 4.3b 233 1-84
NIED IX 05 03 47 00 24.00N 122.30E 20 4.1W **¶601687205**
JMA IX 05 03 47 16.7–.20 23.95N 122.35E 19–3 4.2
ISCJB IX 05 03 47 16.9–.31 23.97N–.01 122.38E–.01 24–2 4.5b
TAP IX 05 03 47 17.1 24.00N 122.35E 24–0 4.4L
NEIC IX 05 03 47 18.6–.63 24.03N 122.34E 40–6 5.1b,4.7L
IDC IX 05 03 47 22.4–5.0 24.17N 122.47E 73–48 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ14.00000°,λ113.00000°. NP2:ϕ_s52.00000°,δ77.00000°,λ84.00000°. $M_0$1.69000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=153.2.
TAP D.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.7km az=97.0. Recorded [1 TAP] in Hualien and Yilan.
IDC Error ellipse: s-maj=34.4km s-min=16.6km az=65.0.
ISC IX 05 04 56 00.5–1.6 21.42N–.08 120.21E–.05 59–16 65 1-5
TAP IX 05 04 55 58.7 21.39N 120.30E 69–0 3.5L **¶602423326**
JMA IX 05 04 55 59.5–.20 21.26N 120.43E 59 4.0
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
ISC IX 05 07 10 24.8–1.2 24.35N–.03 122.18E–.02 51–8 79 0-3
JMA IX 05 07 10 23.6–.10 24.29N 122.15E 63–2 2.2 **¶602423333**
ISCJB IX 05 07 10 24.3–.36 24.35N–.03 122.19E–.02 53–5 2.2
TAP IX 05 07 10 24.2 24.37N 122.13E 59–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=161.2.
TAP C.
ISC IX 05 16 49 03.4–1.1 24.29N–.02 122.12E–.02 21–3 136 0-2
JMA IX 05 16 49 03.4–.20 24.24N 122.02E 51–3 2.5 **¶602423384**
ISCJB IX 05 16 49 04.4–.27 24.33N–.01 122.11E–.02 22–3 2.5
TAP IX 05 16 49 04.0 24.34N 122.07E 16–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=136.7.
TAP D.
ISC IX 06 13 04 28.4–1.0 22.18N–.02 121.05E–.03 18–3 98 0-4
JMA IX 06 13 04 26.1–.20 22.27N 120.67E 38 3.4 **¶602423441**
ISCJB IX 06 13 04 28.6–.36 22.19N–.02 121.07E–.03 20–3 3.4
TAP IX 06 13 04 28.7 22.20N 121.06E 15–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=20.9.
TAP B.
ISC IX 07 13 54 14.5–1.7 24.82N–.05 122.06E–.04 88–10 60 0-2
ISCJB IX 07 13 54 14.6–.72 24.82N–.04 122.07E–.03 85–5 **¶602423540**
JMA IX 07 13 54 14.0–.30 24.77N 122.05E 92–4 1.9
TAP IX 07 13 54 14.8 24.82N 122.00E 87–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=172.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IX 07 15 04 50.1–1.1 24.70N–.04 122.37E–.02 9–10 42 0-2
ISCJB IX 07 15 04 51.6–.41 24.69N–.03 122.32E–.02 10–3 **¶602423544**
JMA IX 07 15 04 52.6 24.68N 122.32E 31–3 2.0
TAP IX 07 15 04 53.2 24.71N 122.23E 13–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=10.4.
TAP C.
ISC IX 07 21 47 48.1–.97 24.66N–.03 122.35E–.02 15–7 80 0-2
TAP IX 07 21 47 46.5 24.64N 122.42E 16–0 2.6L **¶602423580**
ISCJB IX 07 21 47 49.0–.38 24.64N–.02 122.36E–.02 21–6 2.6L
JMA IX 07 21 47 48.7 24.63N 122.30E 4 2.0
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=27.3.
ISC IX 08 02 45 08.4–1.0 23.85N–.02 122.13E–.02 30–10 97 0-3
ISCJB IX 08 02 45 08.4–.37 23.85N–.02 122.14E–.02 30–2 **¶602423587**
JMA IX 08 02 45 08.3–.10 23.85N 122.12E 35–4 2.4
TAP IX 08 02 45 08.8 23.86N 122.12E 29–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=141.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC IX 08 12 39 15.6–1.1 22.61N–.02 121.44E–.02 10–9 154 0-4
ISCJB IX 08 12 39 15.9–.34 22.55N–.02 121.48E–.02 22–3 **¶601698184**
JMA IX 08 12 39 15.0 22.55N 121.50E 11–2 3.9
TAP IX 08 12 39 16.9 22.62N 121.39E 29–0 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=163.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
TAP IX 09 09 56 54.6 21.33N 122.26E 154–1 3.5L

¶602423704
TAP D.
ISC IX 10 02 16 28.2–1.4 24.02N–.07 122.40E–.03 27–13 30 1-2
ISCJB IX 10 02 16 28.8–.77 24.04N–.05 122.40E–.03 28–5 ¶602423779
JMA IX 10 02 16 28.2–.10 24.05N 122.37E 29–5 2.1
TAP IX 10 02 16 28.4 24.00N 122.40E 29–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.7km az=7.6.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC IX 10 03 51 30.3–.64 24.04N–.02 122.20E–.02 22–4 3.8b,3.2s 204 1-79
NIED IX 10 03 51 00 24.00N 122.20E 26 3.9W,3.2s ¶601707370
IDC IX 10 03 51 26.7–1.0 24.13N 122.10E 0 3.9,3.9
ISCJB IX 10 03 51 29.9–.30 24.01N–.01 122.24E–.01 18–2 3.8b,3.2s
JMA IX 10 03 51 30.3 23.99N 122.18E 28–2 3.9,3.2s
TAP IX 10 03 51 30.5 24.09N 122.18E 20–0 4.2L,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ38.00000°,λ-150.00000°. NP2:ϕ_s213.00000°,δ72.00000°,λ-56.00000°. M_o9.17000×10^{14}
IDC Error ellipse: s-maj=42.4km s-min=19.9km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=136.3.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC IX 10 14 53 20.3–.91 24.73N–.02 122.43E–.02 17–7 115 0-3
TAP IX 10 14 53 19.6 24.73N 122.42E 10–0 2.5L ¶602423821
ISCJB IX 10 14 53 20.5–.31 24.74N–.02 122.46E–.02 17–4 2.5L
JMA IX 10 14 53 20.7 24.73N 122.44E 28–2 1.9
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=12.5.
ISC IX 10 16 39 38.8–1.1 24.18N–.02 122.19E–.02 30–11 93 0-3
JMA IX 10 16 39 38.6–.10 24.18N 122.18E 52–2 1.9 ¶602423824
ISCJB IX 10 16 39 39.1–.32 24.18N–.02 122.20E–.02 46–6 1.9
TAP IX 10 16 39 39.1 24.18N 122.16E 40–1 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=158.0.
TAP C.
ISC IX 11 09 23 17.0–1.1 22.22N–.02 121.12E–.03 8–9 65 0-4
JMA IX 11 09 23 15.8–.10 22.17N 121.18E 7–3 ¶602423863
ISCJB IX 11 09 23 16.7–.47 22.18N–.02 121.16E–.03 9–4
TAP IX 11 09 23 17.4 22.20N 121.02E 11–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=159.6.
TAP B.
ISC IX 11 14 10 01.7–2.3 25.2N–.10 122.26E–.04 192–12 75 0-3
TAP IX 11 14 10 01.5 25.29N 122.30E 191–0 2.9L ¶602423882
ISCJB IX 11 14 10 02.0–.73 25.13N–.08 122.29E–.03 188–5 2.9L
JMA IX 11 14 10 02.1–.20 25.08N 122.25E 191–3 2.5
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=4.0km az=171.6.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC IX 11 22 43 51.3–1.2 24.72N 122.68E 0 3.8,3.7b
¶601863380
IDC Error ellipse: s-maj=71.4km s-min=19.2km az=68.0.
ISC IX 12 01 59 29.3–1.1 24.90N–.04 122.47E–.03 22–10 47 0-1
ISCJB IX 12 01 59 29.6–.58 24.89N–.03 122.46E–.03 24–7 ¶602423940
TAP IX 12 01 59 29.7 24.89N 122.40E 21–1 2.6L
JMA IX 12 01 59 29.4–.20 24.89N 122.48E 40 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=32.3.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC IX 12 09 40 54.5–1.4 24.22N 122.47E 0 4.0,3.9
¶601863406
IDC Error ellipse: s-maj=71.4km s-min=22.3km az=66.0.
ISC IX 13 09 31 36.8–1.3 23.91N–.03 122.60E–.02 19–4 79 1-3
ISCJB IX 13 09 31 37.0–.40 23.90N–.03 122.62E–.02 17–4 ¶602424053
JMA IX 13 09 31 38.1–.10 24.00N 122.59E 32–4 2.4
TAP IX 13 09 31 38.1 23.93N 122.53E 20–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=166.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC IX 13 14 17 32.7–.87 24.85N–.02 122.06E–.02 8–6 3.7b,3.1s 138 0-78
ISCJB IX 13 14 17 33.3–.29 24.85N–.02 122.01E–.02 7–2 3.6b,3.2s ¶602424100
JMA IX 13 14 17 33.7–.20 24.88N 121.89E 41–5 3.4,3.2s
TAP IX 13 14 17 33.0 24.84N 121.98E 11–0 3.6L,3.2s
IDC IX 13 14 17 33.1–1.1 24.51N 121.16E 0 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=0.1.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=65.1km s-min=18.2km az=66.0.
ISC IX 14 13 07 08.0–1.2 23.96N–.03 122.40E–.02 24–13 79 1-2
ISCJB IX 14 13 07 08.5–.48 23.96N–.02 122.38E–.02 27–3 ¶602424301
JMA IX 14 13 07 08.2–.10 23.95N 122.41E 24 2.2
TAP IX 14 13 07 08.0 23.97N 122.38E 23–1 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=135.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC IX 14 13 49 57.3–1.1 24.76N–.02 122.45E–.01 4–9 3.7b,2.7s 216 0-49
NIED IX 14 13 49 00 24.70N 122.40E 5 3.7W,2.7s ¶601863526
ISCJB IX 14 13 49 59.0–.39 24.73N–.01 122.44E–.01 12–2 3.6b,2.7s
IDC IX 14 13 49 59.0–1.5 24.27N 121.21E 0 3.9,3.7
JMA IX 14 13 49 59.8 24.67N 122.39E 30–2 3.8,3.7
TAP IX 14 13 49 59.1 24.74N 122.38E 13–0 3.9L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ59.00000°,λ-163.00000°. NP2:ϕ_s305.00000°,δ76.00000°,λ-32.00000°. M_o4.21000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=23.6.
IDC Error ellipse: s-maj=93.7km s-min=25.1km az=77.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC IX 14 15 49 16.3–1.4 23.71N–.03 122.92E–.02 35–4 153 1-4
JMA IX 14 15 49 15.6–.10 23.69N 122.91E 57 3.0 ¶602424311
TAP IX 14 15 49 17.6 23.75N 122.84E 44–1 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC IX 16 20 56 11.2–.97 24.69N–.02 122.39E–.02 15–8 108 0-3
ISCJB IX 16 20 56 10.7–.38 24.73N–.02 122.42E–.02 7–2 ¶602424466
TAP IX 16 20 56 11.4 24.74N 122.36E 14–0 2.9L
JMA IX 16 20 56 12.0–.10 24.63N 122.38E 21–4 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=21.9.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 17 01 39 10.4–1.0 24.66N–.04 122.40E–.02 17–9 41 0-2
TAP IX 17 01 39 09.7 24.69N 122.42E 23–0 2.9L ¶602424482
ISCJB IX 17 01 39 11.4–.39 24.68N–.04 122.40E–.02 20–10 2.9L
JMA IX 17 01 39 11.3–.10 24.59N 122.37E 11–4 2.3
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.2km az=16.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 18 19 17 20.9–.90 24.37N–.02 122.04E–.02 16–6 103 0-2
JMA IX 18 19 17 20.9 24.33N 122.01E 28–2 1.8 ¶602424621
ISCJB IX 18 19 17 21.5–.29 24.38N–.02 122.06E–.02 19–4 1.8
TAP IX 18 19 17 21.2 24.40N 121.99E 21–0 2.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=32.5.
TAP B.
TAP IX 20 15 56 59.8 22.62N 121.17E 86–0 2.2L
¶602424828
TAP D.
ISC IX 21 17 02 19.7–1.3 24.82N–.04 122.41E–.02 105–6 179 0-3
ISCJB IX 21 17 02 19.3–.40 24.83N–.02 122.42E–.02 106–3 ¶602424917
JMA IX 21 17 02 19.2–.10 24.79N 122.38E 106–2 2.4
TAP IX 21 17 02 19.2 24.85N 122.42E 105–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=166.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IX 23 18 13 52.8–1.3 24.47N–.03 122.32E–.02 63–8 123 0-2
JMA IX 23 18 13 51.9–.10 24.41N 122.30E 70–2 1.6 ¶602425085
ISCJB IX 23 18 13 52.3–.38 24.47N–.02 122.33E–.02 64–5 1.6
TAP IX 23 18 13 52.1 24.50N 122.31E 67–0 2.7L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=174.1.
TAP B.
ISC IX 24 04 19 04.0–1.5 23.96N–.02 122.37E–.02 20–5 91 1-2
ISCJB IX 24 04 19 03.9–.92 23.96N–.02 122.38E–.02 12–6 ¶602425121
JMA IX 24 04 19 04.1–.20 23.97N 122.38E 19–4 2.2
TAP IX 24 04 19 05.2 24.03N 122.34E 24–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=146.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IX 24 21 57 33.1–.97 22.84N–.02 121.34E–.02 14–6 4.3b,3.7s 292 0-146
NIED IX 24 21 57 00 22.90N 121.30E 23 4.3W,3.7s ¶601738951
ISCJB IX 24 21 57 33.0–.26 22.81N–.01 121.36E–.01 24–1 4.2b,3.7s
JMA IX 24 21 57 32.9–.10 22.88N 121.28E 31–2 4.7,3.7s
BJI IX 24 21 57 32.9 22.87N 121.30E 16 4.5b,4.2b
TAP IX 24 21 57 33.4 22.86N 121.29E 17–0 4.7L,4.2b
NEIC IX 24 21 57 35.5–.89 22.88N 121.46E 39–8 4.7L,4.5b
IDC IX 24 21 57 36.3–3.5 22.83N 121.45E 49–35 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ43.00000°,λ91.00000°. NP2:ϕ_s22.00000°,δ47.00000°,λ89.00000°. M_o2.83000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=138.2.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
TAP B.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.6km az=152.0. Recorded [3 TAP] in Taitung and [1 TAP] in Pingtung and Yunlin.
IDC Error ellipse: s-maj=18.8km s-min=11.1km az=65.0.
ISC IX 25 10 46 17.7–1.7 24.67N–.05 122.68E–.03 113–11 102 0-2
ISCJB IX 25 10 46 17.7–.58 24.67N–.03 122.68E–.02 110–5 ¶602425214
JMA IX 25 10 46 17.1–.30 24.62N 122.65E 116–3 2.1
TAP IX 25 10 46 17.6 24.71N 122.67E 114–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=5.9.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
TAP C.
ISC IX 25 13 24 37.7–1.4 24.42N–.05 122.73E–.03 81–11 88 0-3
ISCJB IX 25 13 24 37.5–.52 24.41N–.03 122.72E–.02 78–6 ¶602425222
JMA IX 25 13 24 37.3–.10 24.34N 122.72E 84–2 1.9
TAP IX 25 13 24 37.6 24.42N 122.67E 93–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=177.9.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC IX 25 22 29 29.9–.93 22.95N–.02 121.45E–.02 34–2 3.3b 190 0-44
NIED IX 25 22 29 00 22.90N 121.50E 41 3.9W ¶601740395
JMA IX 25 22 29 28.5–.10 22.95N 121.48E 33–4 4.0
ISCJB IX 25 22 29 29.3–.23 22.93N–.02 121.50E–.02 37–5 3.3b,2.5s
TAP IX 25 22 29 29.9 22.96N 121.41E 37–0 4.2L,2.5s
IDC IX 25 22 29 39.1–7.2 23.07N 121.87E 140–78 3.5,3.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s297.00000°,δ51.00000°,λ-27.00000°. NP2:ϕ_s45.00000°,δ69.00000°,λ-137.00000°. M_o8.93000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=137.8.
TAP B.
IDC Error ellipse: s-maj=27.2km s-min=19.9km az=66.0.
ISC IX 25 22 50 46.0–1.2 23.75N–.02 122.57E–.02 8–9 123 1-2
ISCJB IX 25 22 50 46.6–.71 23.71N–.02 122.58E–.02 8–5 ¶602425251
TAP IX 25 22 50 47.5 23.73N 122.67E 57–1 3.2L
JMA IX 25 22 50 48.4–.10 23.80N 122.49E 27 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=135.3.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 26 00 21 43.0–1.1 23.91N–.03 122.62E–.02 26–13 79 1-2
ISCJB IX 26 00 21 43.3–.90 23.91N–.02 122.62E–.02 14–6 ¶602425254
JMA IX 26 00 21 44.5–.10 24.03N 122.57E 31 2.4
TAP IX 26 00 21 44.0 24.00N 122.67E 45–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=159.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC IX 26 19 33 51.5–1.2 23.77N–.03 122.81E–.02 16–10 127 1-2
ISCJB IX 26 19 33 52.8–.39 23.78N–.02 122.78E–.02 20–3 ¶602425366
JMA IX 26 19 33 53.7–.10 23.85N 122.78E 45 2.4
TAP IX 26 19 33 53.6 23.85N 122.81E 66–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=150.3.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC IX 27 00 58 59.0–1.0 24.70N–.04 122.68E–.02 18–4 71 0-2
ISCJB IX 27 00 58 59.6–.61 24.72N–.03 122.71E–.02 15–5 ¶602425390
JMA IX 27 00 58 59.7–.10 24.66N 122.69E 26–2 2.9
TAP IX 27 00 59 01.0 24.71N 122.51E 5–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=19.3.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC IX 28 01 04 18.1–1.3 24.51N–.03 122.54E–.03 78–7 156 0-4
ISCJB IX 28 01 04 18.1–.38 24.50N–.02 122.54E–.02 74–4 ¶602425456
JMA IX 28 01 04 18.0–.10 24.44N 122.52E 77–2 3.0
TAP IX 28 01 04 18.3 24.49N 122.48E 80–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=176.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IX 30 00 28 35.1–.89 24.38N–.02 122.02E–.02 14–7 128 0-2
ISCJB IX 30 00 28 34.8–.37 24.39N–.01 122.05E–.02 9–2 ¶602425587
JMA IX 30 00 28 35.2–.10 24.35N 121.99E 23–5 2.8
TAP IX 30 00 28 35.4 24.41N 121.96E 21–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=35.8.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC IX 30 08 43 28.0–1.4 24.76N–.06 122.84E–.03 4–12 51 0-3
JMA IX 30 08 43 26.2–.10 24.96N 122.84E 3–3 2.7 ¶602425605
TAP IX 30 08 43 31.5 24.61N 122.66E 9–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

TAP D.
ISC IX 30 14 30 35.5–.91 24.29N–.02 122.11E–.02 22–5 160 0-2
ISCJB IX 30 14 30 35.7–.29 24.29N–.01 122.14E–.02 16–3 **¶602425620**
JMA IX 30 14 30 36.0 24.28N 122.07E 34–3 2.8
TAP IX 30 14 30 36.3 24.34N 122.03E 29–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=41.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC X 01 05 56 46.6–1.7 24.53N–.09 122.71E–.03 95–11 43 0-2
ISCJB X 01 05 56 46.7–.78 24.51N–.07 122.71E–.03 92–7 **¶603031500**
JMA X 01 05 56 46.7–.10 24.48N 122.73E 96–1 2.0
TAP X 01 05 56 47.5 24.61N 122.58E 102–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=3.6km az=173.2.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
TAP C.
ISC X 02 23 56 46.4–1.5 24.58N–.05 122.73E–.03 94–9 81 0-3
ISCJB X 02 23 56 46.1–.61 24.60N–.04 122.73E–.02 93–5 **¶606039254**
JMA X 02 23 56 46.1–.10 24.79N 122.77E 91–2 1.7
TAP X 02 23 56 46.6 24.59N 122.70E 90–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=2.9km az=3.6.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
TAP C.
ISC X 03 02 01 51.1–1.8 24.89N–.08 122.38E–.03 131–10 69 0-3
TAP X 03 02 01 50.8 24.94N 122.34E 135–0 3.2L **¶603031652**
ISCJB X 03 02 01 51.1–.71 24.87N–.05 122.40E–.02 129–6 3.2L
JMA X 03 02 01 51.1–.20 24.80N 122.38E 132–2 2.1
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.4km az=174.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC X 03 15 08 58.3–1.1 24.88N–.04 122.44E–.02 9–10 70 0-2
ISCJB X 03 15 08 58.2–.47 24.89N–.03 122.46E–.02 7–3 **¶603031706**
JMA X 03 15 08 58.3–.10 24.87N 122.45E 6–3 2.5
TAP X 03 15 08 59.1 24.89N 122.38E 11–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=10.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC X 03 17 03 07.9–1.0 24.85N–.03 122.45E–.02 9–9 78 0-2
ISCJB X 03 17 03 07.8–.43 24.87N–.02 122.46E–.02 6–3 **¶603031719**
JMA X 03 17 03 07.7–.10 24.81N 122.45E 0 2.2
TAP X 03 17 03 08.3 24.86N 122.39E 9–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=21.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC X 04 13 07 04.7–1.0 24.86N–.03 122.44E–.02 11–9 107 0-3
ISCJB X 04 13 07 04.7–.52 24.88N–.02 122.46E–.02 11–3 **¶603031767**
JMA X 04 13 07 04.7–.10 24.80N 122.44E 0 2.6
TAP X 04 13 07 04.6 24.93N 122.44E 21–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=16.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC X 05 03 30 44.3–1.0 24.11N–.04 122.91E–.02 26–10 79 0-2
ISCJB X 05 03 30 44.5–.41 24.11N–.03 122.91E–.02 27–4 **¶603031829**
JMA X 05 03 30 44.3–.10 24.10N 122.90E 22–2 3.2
TAP X 05 03 30 44.3 24.14N 122.93E 27–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=2.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC X 05 17 49 14.6–1.3 24.50N–.03 122.55E–.02 88–7 149 0-3
ISCJB X 05 17 49 14.6–.38 24.49N–.02 122.55E–.02 84–4 **¶603031871**
JMA X 05 17 49 14.5–.10 24.47N 122.55E 89–1 2.3
TAP X 05 17 49 14.5 24.52N 122.56E 90–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=175.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC X 05 18 24 10.1–1.0 24.61N–.05 122.71E–.02 23–10 57 0-2
JMA X 05 18 24 10.1–.10 24.64N 122.73E 23–1 1.8 **¶603031874**
TAP X 05 18 24 10.3 24.56N 122.69E 16–1 2.7L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC X 06 16 57 21.1–1.2 24.65N–.02 122.03E–.02 72–5 216 0-3
ISCJB X 06 16 57 20.9–.27 24.67N–.01 122.03E–.01 73–2 **¶601795620**
JMA X 06 16 57 20.5–.10 24.59N 122.01E 77–2 3.1
TAP X 06 16 57 21.4 24.63N 121.99E 69–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=149.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC X 06 21 47 42.5–1.4 24.56N–.04 122.64E–.02 88–8 149 0-3
JMA X 06 21 47 41.5–.10 24.54N 122.62E 95–1 2.0 **¶603031968**
TAP X 06 21 47 41.8 24.60N 122.61E 97–0 3.1L
ISCJB X 06 21 47 42.0–.45 24.57N–.02 122.64E–.02 88–4 3.1L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC X 07 06 55 40.8–1.4 24.61N–.04 122.46E–.03 68–8 92 0-3
ISCJB X 07 06 55 40.5–.45 24.61N–.03 122.46E–.02 68–5 **¶603031988**
JMA X 07 06 55 40.7–.20 24.51N 122.44E 70–3 2.4
TAP X 07 06 55 40.9 24.63N 122.38E 72–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=2.6.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC X 08 18 11 41.9–3.0 22.76N–.05 122.78E–.03 17–22 88 1-3
JMA X 08 18 11 44.3–.30 22.82N 122.75E 52 2.8 **¶603032132**
TAP X 08 18 11 45.4 22.79N 122.66E 71–1 2.9L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP D.
ISC X 09 15 31 50.5–1.1 24.70N–.05 122.80E–.02 18–3 66 0-2
TAP X 09 15 31 50.4 24.66N 122.79E 17–0 2.9L **¶603032194**
JMA X 09 15 31 50.8–.10 24.71N 122.80E 18–2 2.1
ISCJB X 09 15 31 51.1–.39 24.67N–.04 122.81E–.02 22–3 2.1
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC X 09 19 20 52.7–1.2 24.86N–.02 122.44E–.02 3–10 123 0-3
ISCJB X 09 19 20 53.0–.40 24.87N–.02 122.48E–.02 6–2 **¶603032211**
JMA X 09 19 20 52.8–.10 24.84N 122.44E 2 3.2
TAP X 09 19 20 52.7 24.88N 122.41E 3–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=28.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC X 11 10 15 26.4–1.2 24.07N–.02 122.27E–.02 22–4 183 0-4
ISCJB X 11 10 15 26.2–.30 24.06N–.01 122.29E–.01 20–2 **¶603032303**
JMA X 11 10 15 26.5–.10 24.04N 122.29E 25–3 3.4
TAP X 11 10 15 27.2 24.14N 122.24E 27–0 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=140.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC X 12 14 48 35.0–1.1 24.18N–.02 122.22E–.02 24–11 156 0-3
ISCJB X 12 14 48 34.7–.31 24.16N–.01 122.25E–.02 15–3 **¶603032380**
JMA X 12 14 48 35.1–.10 24.10N 122.19E 42–4
TAP X 12 14 48 35.2 24.22N 122.21E 27–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=140.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC X 12 22 43 20.0–1.5 22.02N–.05 121.65E–.04 20–3 79 1-5
JMA X 12 22 43 17.4–.20 21.83N 121.49E 78 3.5 **¶603032414**
TAP X 12 22 43 20.7 22.02N 121.60E 24–2 3.3L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
TAP D.
ISC X 14 07 18 01.4–1.2 23.71N–.03 122.64E–.02 11–10 78 1-2
JMA X 14 07 18 04.4–.10 23.76N 122.62E 41 2.5 **¶603032567**
TAP X 14 07 18 05.0 23.76N 122.67E 48–1 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC X 15 17 20 07.1–2.4 25.2N–.10 122.64E–.04 186–14 84 1-3
TAP X 15 17 20 05.7 25.37N 122.72E 184–1 3.3L **¶603032667**
ISCJB X 15 17 20 07.0–.76 25.18N–.05 122.65E–.03 184–5 3.3L
JMA X 15 17 20 07.1–.30 25.18N 122.63E 184–4 2.9
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.8km az=168.1.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISC X 16 02 11 46.3–1.4 22.94N–.04 122.88E–.03 11–11 94 1-2
JMA X 16 02 11 50.2–.20 22.95N 122.84E 50 3.1 **¶603032697**
TAP X 16 02 11 50.8 22.90N 122.85E 64–2 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC X 16 16 26 33.0–1.3 22.79N–.03 122.65E–.02 5–10 205 1-5
JMA X 16 16 26 36.3–.30 22.74N 122.64E 40 3.1 **¶603032730**
TAP X 16 16 26 37.7 22.77N 122.61E 34–1 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
TAP D.
ISC X 16 19 58 23.0–1.1 24.16N–.03 122.94E–.02 22–13 156 0-4
ISCJB X 16 19 58 24.3–.28 24.21N–.02 122.98E–.02 40–8 **¶603032760**
JMA X 16 19 58 24.4–.10 24.26N 122.97E 46–2 3.2
TAP X 16 19 58 24.8 24.23N 122.90E 34–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=3.2.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC X 17 04 40 47.8–1.4 24.46N–.04 122.68E–.03 88–8 130 0-3
ISCJB X 17 04 40 47.8–.44 24.47N–.03 122.68E–.02 82–5 **¶603032788**
TAP X 17 04 40 47.7 24.48N 122.61E 99–0 3.6L
JMA X 17 04 40 47.5–.10 24.40N 122.66E 88–2 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=178.0.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP X 17 14 15 57.0 24.77N 122.10E 9–2 3.5L
¶603032817
TAP D.
TAP X 17 16 03 42.2 21.76N 121.66E 171–1 3.0L
¶603032824
TAP D.
ISC X 19 22 25 07.1–1.1 23.78N–.03 122.44E–.03 26–12 66 1-2
ISCJB X 19 22 25 07.5–.52 23.80N–.03 122.45E–.02 28–4 **¶603033085**
JMA X 19 22 25 07.9–.10 23.85N 122.43E 43 2.0
TAP X 19 22 25 09.3 23.85N 122.36E 53–1 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.5km az=159.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC X 20 08 49 38.5–.48 24.43N–.02 122.54E–.02 79–4 4.5b 478 0-151
NIED X 20 08 49 00 24.30N 122.50E 74 4.3W **¶601839787**
BJI X 20 08 49 36.9 24.38N 122.50E 74 4.4b,4.4b
ISCJB X 20 08 49 37.8–.13 24.46N–.01 122.54E–.01 83–1 4.4b,4.4b
JMA X 20 08 49 38.4–.10 24.34N 122.50E 75–2 4.4,4.4b
NEIC X 20 08 49 38.7–.34 24.48N 122.51E 79–3 5.1L,4.7b
TAP X 20 08 49 39.4 24.42N 122.45E 79–0 5.3L,4.7b
IDC X 20 08 49 40.1–2.5 24.55N 122.62E 97–22 4.3,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ23.00000°,λ47.00000°. NP2:ϕ_s177.00000°,δ74.00000°,λ106.00000°. $M_0$3.24000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=156.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.7km az=112.0. Felt [II] at Taipei. Recorded [2 TAP] in Hualien and Yilan; [1 TAP] in Changhua, Taoyuan and Yunlin.
TAP B.
IDC Error ellipse: s-maj=14.5km s-min=9.3km az=69.0.
ISC X 21 06 27 46.5–.65 21.24N–.04 122.02E–.04 175–5 4.5b 315 1-123
NIED X 21 06 27 00 21.10N 121.90E 59 4.1W **¶601841778**
BJI X 21 06 27 44.0 21.09N 122.09E 155 4.6b,4.5b
TAP X 21 06 27 45.7 21.25N 122.26E 151–0 5.2L,4.5b
NEIC X 21 06 27 45.1–.39 21.06N 122.07E 158–3 4.6b,4.5b
JMA X 21 06 27 46.5–.40 21.14N 121.94E 138 3.8,4.5b
ISCJB X 21 06 27 47.6–.33 21.41N–.02 121.96E–.03 178–2 4.4b,4.5b
IDC X 21 06 27 48.2–2.4 21.15N 122.16E 198–23 4.2,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s322.00000°,δ77.00000°,λ-176.00000°. NP2:ϕ_s231.00000°,δ86.00000°,λ-13.00000°. $M_0$1.74000×10^{15}
TAP D.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=91.0.
JMA Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=41.9.
IDC Error ellipse: s-maj=18.1km s-min=8.4km az=71.0.
ISC X 22 17 00 50.2–1.5 22.04N–.05 121.70E–.04 21–5 65 1-4
TAP X 22 17 00 50.7 22.04N 121.68E 48–1 2.9L **¶603033361**
JMA X 22 17 00 53.1–.20 22.27N 121.82E 22 3.2
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC X 24 15 11 32.7–1.8 24.55N–.07 122.89E–.03 102–13 56 0-2
ISCJB X 24 15 11 32.9–.73 24.56N–.05 122.89E–.02 96–7 **¶603033497**
TAP X 24 15 11 33.0 24.58N 122.88E 97–1 2.5L
JMA X 24 15 11 32.7–.20 24.49N 122.89E 103–2 1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.6km az=3.4.
TAP D.
JMA Error ellipse: s-maj=7.8km s-min=1.0km az=-1.0.
ISC X 25 04 56 32.4–1.2 24.31N–.03 122.18E–.02 55–8 128 0-3
ISCJB X 25 04 56 32.0–.30 24.31N–.02 122.18E–.02 56–5 **¶603033548**
TAP X 25 04 56 32.4 24.33N 122.14E 58–0 3.2L
JMA X 25 04 56 32.4–.10 24.24N 122.16E 47–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=157.5.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 27 06 26 01.7–1.1 23.74N–.02 122.53E–.02 17–7 3.8b 213 1-83
IDC X 27 06 25 59.2–.93 23.89N 122.56E 0 4.0,3.9 **¶601875507**
NIED X 27 06 26 00 23.80N 122.50E 20 4.1W,3.9
ISCJB X 27 06 26 01.9–.34 23.74N–.02 122.57E–.01 18–2 3.7b,3.9
TAP X 27 06 26 01.9 23.77N 122.39E 1–0 4.0L,3.9
JMA X 27 06 26 02.4–.20 23.79N 122.50E 26–5 3.8,3.9

NEIC X 27 06 26 04.4–.76 23.79N 122.51E 37–8 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=19.3km az=65.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s322.00000°,δ25.00000°,λ162.00000°. NP2:ϕ_s68.00000°,δ83.00000°,λ66.00000°. $M_0$1.49000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.8km az=153.2.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=135.0.
ISC X 27 14 12 41.5–3.1 21.33N–.06 122.05E–.03 15–21 3.5b 133 1-46
IDC X 27 14 12 39.3–1.1 21.18N 122.05E 0 3.6,3.6 **¶601999834**
TAP X 27 14 12 42.5 21.33N 122.06E 22–1 3.5L,3.6
JMA X 27 14 12 44.0–.30 21.47N 121.92E 83 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=46.7km s-min=21.1km az=68.0.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC X 29 20 35 33.0–1.4 23.95N–.02 122.27E–.02 21–4 87 1-2
ISCJB X 29 20 35 33.4–.39 23.94N–.02 122.26E–.02 25–3 **¶603034078**
JMA X 29 20 35 33.3–.10 23.97N 122.27E 18 2.0
TAP X 29 20 35 33.0 23.95N 122.25E 23–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=137.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC X 30 06 22 53.6–.92 24.77N–.02 122.05E–.02 10–7 108 0-4
ISCJB X 30 06 22 53.9–.34 24.79N–.02 122.04E–.02 3–3 **¶603034105**
TAP X 30 06 22 53.8 24.78N 122.00E 10–0 3.5L
JMA X 30 06 22 53.9–.20 24.80N 121.89E 52–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=19.6.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC X 30 13 44 23.4–1.2 23.69N–.03 122.60E–.02 20–5 89 1-2
ISCJB X 30 13 44 24.9–.57 23.71N–.02 122.61E–.02 33–5 **¶603034129**
TAP X 30 13 44 25.2 23.76N 122.62E 53–1 2.8L
JMA X 30 13 44 25.0–.10 23.74N 122.57E 40 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=156.5.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 30 14 35 01.1–1.6 24.89N–.07 122.74E–.03 19–3 35 0-2
ISCJB X 30 14 35 01.0–.85 24.91N–.07 122.77E–.03 17–7 **¶603034135**
TAP X 30 14 35 01.2 24.85N 122.68E 8–0 2.9L
JMA X 30 14 35 02.2–.10 24.84N 122.75E 31–2 2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=3.7km az=12.3.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 01 02 10 57.5–1.1 24.24N–.02 122.48E–.02 18–4 144 0-4
JMA XI 01 02 10 59.1 24.20N 122.45E 45–2 2.9 **¶603034290**
TAP XI 01 02 10 59.5 24.24N 122.47E 46–1 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC XI 01 04 06 28.6–1.2 23.07N–.03 122.63E–.02 12–9 121 1-3
JMA XI 01 04 06 31.8–.20 23.05N 122.67E 48 2.7 **¶603034293**
TAP XI 01 04 06 32.7 23.09N 122.61E 75–1 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC XI 01 04 19 57.7–1.3 24.81N–.03 122.49E–.02 126–6 208 0-6
ISCJB XI 01 04 19 57.8–.33 24.79N–.02 122.49E–.02 122–2 **¶603034294**
TAP XI 01 04 19 58.1 24.81N 122.51E 122–0 4.0L
JMA XI 01 04 19 58.0–.20 24.75N 122.45E 122–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=168.2.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 01 05 22 12.7–1.1 24.91N–.03 122.48E–.03 11–10 100 0-3
ISCJB XI 01 05 22 14.5–.54 24.89N–.02 122.43E–.02 9–3 **¶603034301**
TAP XI 01 05 22 14.7 24.88N 122.38E 14–0 3.7L
JMA XI 01 05 22 15.2–.10 24.89N 122.42E 47–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=30.7.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 01 05 59 46.5–1.4 24.60N–.04 122.40E–.02 83–9 98 0-2
JMA XI 01 05 59 45.7–.10 24.59N 122.37E 87–2 2.4 **¶603034302**
ISCJB XI 01 05 59 46.2–.49 24.60N–.03 122.40E–.02 83–5 2.4
TAP XI 01 05 59 46.1 24.62N 122.39E 83–1 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=176.5.
TAP D.
ISC XI 01 07 46 13.4–.95 24.32N–.02 122.08E–.02 15–8 138 0-2
ISCJB XI 01 07 46 13.2–.37 24.34N–.01 122.11E–.01 10–2 **¶603034307**
JMA XI 01 07 46 13.4–.10 24.29N 122.01E 46–2 2.4
TAP XI 01 07 46 13.8 24.37N 122.03E 11–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=32.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC XI 03 10 44 18.5–.98 24.22N–.02 122.17E–.02 14–8 143 0-2
ISCJB XI 03 10 44 19.7–.45 24.24N–.01 122.13E–.01 12–3 **¶603034427**
TAP XI 03 10 44 20.0 24.29N 122.07E 25–0 3.1L
JMA XI 03 10 44 20.0–.20 24.20N 122.07E 41–5 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=27.7.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP XI 04 05 22 38.8 22.51N 121.25E 12–0 2.7L
¶603034472
TAP D.
ISC XI 04 08 01 21.3–1.5 21.99N–.04 121.31E–.04 11–10 64 0-4
JMA XI 04 08 01 21.4–.20 22.02N 121.10E 68–3 3.7 **¶603034476**
TAP XI 04 08 01 21.4 21.99N 121.27E 12–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
TAP D.
ISC XI 05 20 24 49.7–1.0 24.75N–.02 122.38E–.02 13–8 141 0-2
ISCJB XI 05 20 24 49.7–.39 24.69N–.01 122.39E–.02 5–2 **¶603034563**
TAP XI 05 20 24 49.5 24.69N 122.31E 3–0 3.4L
JMA XI 05 20 24 50.7–.10 24.65N 122.32E 41–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=135.1.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 06 11 34 28.4–1.2 24.73N–.03 122.03E–.02 69–5 200 0-3
ISCJB XI 06 11 34 27.9–.31 24.74N–.02 122.04E–.02 72–3 **¶601880465**
JMA XI 06 11 34 27.5–.10 24.66N 121.99E 77–2 3.3
TAP XI 06 11 34 28.2 24.72N 122.01E 70–0 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=152.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XI 06 20 20 45.4–1.4 24.56N–.05 122.88E–.03 85–8 124 0-3
ISCJB XI 06 20 20 44.9–.44 24.56N–.03 122.88E–.02 86–4 **¶603034664**
JMA XI 06 20 20 44.7–.10 24.54N 122.88E 90–1 1.8
TAP XI 06 20 20 44.6 24.65N 122.88E 89–1 2.8L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=177.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC XI 09 04 17 20.4–1.4 24.50N–.06 122.90E–.03 79–8 61 0-3
ISCJB XI 09 04 17 19.9–.61 24.50N–.05 122.90E–.02 81–6 **¶603034840**
JMA XI 09 04 17 19.4–.20 24.49N 122.88E 86–1 1.5
TAP XI 09 04 17 20.5 24.51N 122.88E 77–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.3km az=176.3.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
TAP C.
ISC XI 09 14 27 49.9–.88 24.46N–.02 122.01E–.02 15–6 153 0-3
ISCJB XI 09 14 27 49.4–.32 24.43N–.01 122.04E–.01 0–3 **¶603034875**
TAP XI 09 14 27 49.9 24.44N 121.98E 14–0 3.2L
JMA XI 09 14 27 50.0–.10 24.40N 121.96E 23 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=144.5.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 09 15 55 52.1–1.2 22.32N–.03 121.55E–.03 9–9 175 1-5
JMA XI 09 15 55 54.4–.10 22.45N 121.60E 17–5 3.6 **¶603034885**
TAP XI 09 15 55 54.4 22.31N 121.45E 29–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
TAP C.
ISC XI 09 19 54 37.4–1.1 24.03N–.02 122.42E–.02 7–9 174 1-4
ISCJB XI 09 19 54 38.1–.58 24.02N–.01 122.43E–.01 11–4 **¶603034897**
JMA XI 09 19 54 38.9–.20 24.02N 122.42E 19–3 2.6
TAP XI 09 19 54 39.3 24.09N 122.42E 27–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=137.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XI 10 12 40 11.8–1.0 23.97N–.02 122.61E–.02 15–8 114 1-2
ISCJB XI 10 12 40 11.8–.75 23.92N–.02 122.62E–.02 12–5 **¶603034933**
TAP XI 10 12 40 11.6 23.95N 122.64E 17–1 2.4L
JMA XI 10 12 40 12.1–.20 23.98N 122.58E 15 1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=135.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 10 19 59 17.5–1.0 22.00N–.03 121.67E–.03 11–6 3.9b,3.3s 196 0-85
NIED XI 10 19 59 00 22.20N 121.70E 32 4.1W,3.3s **¶601884071**
IDC XI 10 19 59 15.8–.84 21.77N 121.45E 0 4.0,3.8
ISCJB XI 10 19 59 16.0–.51 21.90N–.02 121.72E–.02 15–3 3.9b,3.2s
NEIC XI 10 19 59 17.3–.44 21.91N 121.50E 10 4.9L,4.3b
TAP XI 10 19 59 17.4 21.95N 121.60E 15–0 3.9L,4.3b
JMA XI 10 19 59 18.3–.20 22.15N 121.71E 8 3.9,4.3b
ASIES XI 10 19 59 18.7 22.05N 121.57E 33 3.6W,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ42.00000°,λ89.00000°. NP2:ϕ_s39.00000°,δ48.00000°,λ91.00000°. $M_0$1.52000×10^{15}
IDC Error ellipse: s-maj=24.7km s-min=18.0km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=154.8.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=7.1km az=93.0. Recorded [4 TAP] in Taitung.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 11 13 11 59.4–1.4 23.69N–.03 122.88E–.02 20–8 135 1-4
ISCJB XI 11 13 11 59.7–.40 23.72N–.02 122.87E–.02 15–3 **¶603035018**
JMA XI 11 13 12 00.7–.10 23.73N 122.90E 52 2.5
TAP XI 11 13 12 01.3 23.79N 122.87E 28–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=159.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC XI 11 18 29 39.8–.85 24.86N–.02 122.04E–.02 12–5 127 0-4
TAP XI 11 18 29 40.0 24.86N 122.02E 10–0 3.5L **¶603035046**
JMA XI 11 18 29 40.7 24.84N 121.99E 29 2.8
ISC Event type ke.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 11 22 19 58.7–2.0 24.86N–.07 122.87E–.03 145–13 87 0-2
TAP XI 11 22 19 59.6 24.85N 122.83E 144–1 3.0L **¶603035054**
ISCJB XI 11 22 20 00.3–.63 24.79N–.04 122.84E–.02 131–5 3.0L
JMA XI 11 22 20 00.0–.30 24.79N 122.82E 136–4 2.1
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.4km az=179.3.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISC XI 11 22 40 08.2–.99 24.27N–.02 122.11E–.02 14–8 119 0-3
ISCJB XI 11 22 40 08.2–.39 24.28N–.01 122.13E–.02 7–2 **¶603035060**
TAP XI 11 22 40 08.8 24.31N 122.06E 15–0 3.0L
JMA XI 11 22 40 08.3 24.25N 122.10E 22–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=13.3.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 12 14 01 08.4–1.3 22.51N–.03 121.32E–.03 102–6 201 0-5
ISCJB XI 12 14 01 08.5–.37 22.52N–.02 121.31E–.02 101–3 **¶606059399**
JMA XI 12 14 01 09.8–.30 22.49N 121.46E 69–4 2.8
TAP XI 12 14 01 09.2 22.52N 121.35E 90–0 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=36.3.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
TAP C.
ISC XI 12 18 08 42.7–1.4 24.24N–.03 122.98E–.02 33–3 87 0-2
ISCJB XI 12 18 08 42.0–.34 24.25N–.04 122.97E–.02 41–8 **¶603035131**
JMA XI 12 18 08 42.0–.10 24.30N 122.96E 47–3 2.2
TAP XI 12 18 08 42.1 24.33N 122.95E 43–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=174.9.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
TAP D.
ISC XI 12 21 49 28.7–1.2 24.33N–.05 123.00E–.02 54–7 93 0-3
ISCJB XI 12 21 49 28.2–.38 24.33N–.03 122.99E–.02 55–6 **¶603035163**
JMA XI 12 21 49 28.3–.10 24.44N 123.01E 59–1 2.8
TAP XI 12 21 49 28.4 24.31N 122.95E 52–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=2.8km az=2.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC XI 13 04 56 23.7–1.3 24.82N–.07 122.88E–.03 33–6 48 0-3
JMA XI 13 04 56 22.5–.10 24.93N 122.89E 26–2 2.3 **¶603035176**
TAP XI 13 04 56 23.4 24.86N 122.87E 29–0 2.9L
ISCJB XI 13 04 56 24.7–.61 24.77N–.07 122.88E–.03 34–15 2.9L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
TAP XI 13 07 13 06.3 23.95N 119.57E 25–0 3.8L
¶601901864
TAP B.
ISC XI 14 02 58 43.6–1.5 24.63N–.05 122.46E–.03 89–9 69 0-2
JMA XI 14 02 58 42.6–.20 24.59N 122.44E 96–2 2.0 **¶603035333**
ISCJB XI 14 02 58 43.2–.59 24.63N–.04 122.47E–.02 89–5 2.0
TAP XI 14 02 58 43.3 24.62N 122.45E 88–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.1km az=178.2.
TAP C.
ISC XI 14 16 48 04.9–.84 24.39N–.03 122.84E–.02 57–6 225 0-49

IDC XI 14 16 48 03.7–1.4 23.74N 123.71E 0 4.0,3.9 **¶601991978**
ISCJB XI 14 16 48 04.3–.23 24.40N–.02 122.84E–.01 63–3 4.0,3.9
JMA XI 14 16 48 04.5–.10 24.37N 122.81E 62–1 3.2,3.9
TAP XI 14 16 48 04.6 24.40N 122.83E 61–0 3.8L,3.9
NEIC XI 14 16 48 04.7–.43 24.33N 122.87E 55–7 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=21.7km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=173.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.3km az=152.0.
ISC XI 14 19 51 24.6–1.4 24.42N–.05 122.46E–.03 78–10 71 0-2
ISCJB XI 14 19 51 24.4–.54 24.41N–.03 122.46E–.02 76–6 **¶603035373**
JMA XI 14 19 51 24.9–.10 24.31N 122.46E 71–2
TAP XI 14 19 51 24.4 24.44N 122.41E 87–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=173.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC XI 16 05 46 21.1–3.2 21.94N–.07 122.79E–.04 14–24 76 1-3
JMA XI 16 05 46 23.3–.50 21.97N 122.76E 43 3.5 **¶603035478**
TAP XI 16 05 46 23.6 21.97N 122.66E 22–2 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0.
TAP C.
ISC XI 18 04 31 57.7–1.2 23.80N–.03 122.85E–.02 32–11 145 1-5
JMA XI 18 04 31 57.3–.10 23.82N 122.82E 51–5 3.1 **¶603035626**
TAP XI 18 04 31 57.8 23.85N 122.85E 50–0 3.7L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XI 18 06 46 56.5–1.2 23.76N–.04 122.84E–.02 25–13 71 1-2
TAP XI 18 06 46 57.8 23.86N 122.85E 52–1 3.0L **¶603035629**
JMA XI 18 06 46 57.5–.10 23.84N 122.81E 55 2.2
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 18 13 04 44.8–1.8 24.72N–.09 122.87E–.03 123–12 66 0-2
JMA XI 18 13 04 44.6–.20 24.68N 122.87E 127–2 1.9 **¶603035643**
TAP XI 18 13 04 44.7 24.76N 122.79E 133–0 2.8L
ISCJB XI 18 13 04 45.0–.71 24.71N–.06 122.86E–.02 116–6 2.8L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC XI 20 13 40 55.8–.91 24.31N–.02 122.11E–.02 20–3 3.4b 180 0-49
IDC XI 20 13 40 53.6–1.0 24.56N 122.00E 0 3.5,3.5 **¶602389739**
JMA XI 20 13 40 55.8 24.27N 122.08E 26–3 3.3,3.5
ISCJB XI 20 13 40 56.0–.27 24.33N–.02 122.14E–.01 21–3 3.4b,3.5
TAP XI 20 13 40 56.2 24.35N 122.04E 21–0 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=18.8km az=62.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=156.0.
TAP B.
ISC XI 20 17 09 01.8–.55 22.41N–.02 121.46E–.02 29–3 5.1b,4.8s 738 0-169
BJI XI 20 17 08 58.9 22.53N 121.36E 9 5.0b,5.0L **¶601993246**
ISCJB XI 20 17 08 59.9–.27 22.397N–.01 121.51E–.01 25–2 5.0b,4.7s
NEIC XI 20 17 08 59.8–1.0 22.34N 121.45E 18–6 5.4L,5.2b
MOS XI 20 17 09 00.5–1.1 22.32N 121.53E 33 5.3b,4.9s
NIED XI 20 17 09 00 22.60N 121.50E 5 4.8W,4.9s
GCMT XI 20 17 09 01.8–.20 22.43N–.01 121.39E–.01 23–0 5.1W,4.9s
JMA XI 20 17 09 01.2–.10 22.57N 121.54E 14–3 4.9,4.9s
TAP XI 20 17 09 01.7 22.47N 121.36E 27–0 5.4L,4.9s
ASIES XI 20 17 09 01.7 22.45N 121.40E 25 4.7W,4.9s
IDC XI 20 17 09 03.7–1.6 22.34N 121.43E 45–14 4.7,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=3.9.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=93.0. Felt at Changhua, Kaohsiung and Taitung. Recorded [4 TAP] in Taitung; [2 TAP] in Chiayi, Kaohsiung, Pingtung and Yunlin; [1 TAP] in Changhua, Hualien and Nantou.
MOS Error ellipse: s-maj=7.0km s-min=4.4km az=108.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ62.00000°,λ169.00000°. NP2:ϕ_s165.00000°,δ80.00000°,λ29.00000°. $M_0$1.86000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c68; s90,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37±.28 $M_{\theta\theta}$0.04±.15; $M_{\phi\phi}$-5.40±.18; $M_{r\theta}$-1.76±.22; $M_{\theta\phi}$-3.20±.09; $M_{\phi r}$-0.88±.23; Best double couple: NP1:ϕ_s219.00000°,δ54.00000°,λ109.00000°. NP2:ϕ_s9.00000°,δ40.00000°,λ66.00000°. Principal axes: T 5.8990,Plg73.0000° ,Azm182.0000°; N 1.1800,Plg15.0000°,Azm28.0000°; P -7.0730,Plg7.0000°,Azm296.0000° $M_0$6.48600×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=13.2km s-min=9.6km az=77.0.
ISC XI 21 02 13 01.9–1.3 24.30N–.03 122.61E–.02 71–8 137 0-3
ISCJB XI 21 02 13 01.6–.39 24.29N–.02 122.60E–.02 70–5 **¶603035808**
TAP XI 21 02 13 02.3 24.27N 122.58E 60–0 3.0L
JMA XI 21 02 13 02.0–.10 24.27N 122.61E 68–2 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=173.4.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XI 21 03 26 35.0–1.0 22.87N–.02 121.64E–.02 14–8 174 0-7
JMA XI 21 03 26 34.8–.10 22.83N 121.65E 21–2 3.4 **¶603035810**
ISCJB XI 21 03 26 35.5–.35 22.88N–.02 121.67E–.02 17–3 3.4
TAP XI 21 03 26 36.7 22.90N 121.58E 22–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=36.6.
TAP B.
ISC XI 21 03 39 51.3–1.2 24.34N–.03 122.62E–.02 69–7 147 0-3
ISCJB XI 21 03 39 50.9–.36 24.34N–.02 122.62E–.01 69–5 **¶603035811**
TAP XI 21 03 39 51.6 24.37N 122.56E 78–0 3.5L
JMA XI 21 03 39 51.1–.10 24.32N 122.61E 71–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=174.3.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XI 21 22 25 27.4–.67 23.97N–.02 122.30E–.02 30–4 4.9b 601 1-171
NIED XI 21 22 25 00 23.90N 122.30E 38 4.7W **¶601993544**
BJI XI 21 22 25 24.3 24.05N 122.29E 5 4.7b,4.6L
JMA XI 21 22 25 25.9–.20 23.95N 122.29E 18–3 4.9,4.6L
MOS XI 21 22 25 26.8–.88 24.11N 122.41E 39 5.2b,4.6L
TAP XI 21 22 25 26.4 24.01N 122.32E 22–0 5.0L,4.6L
NEIC XI 21 22 25 27.0–1.4 24.04N 122.34E 29–9 4.9b,4.7L
ISCJB XI 21 22 25 27.4–.17 23.99N–.01 122.33E–.01 43–1 4.7b,4.5s
IDC XI 21 22 25 28.1–2.2 24.17N 122.36E 33–15 4.6,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ85.00000°,λ5.00000°. NP2: ϕ_s326.00000°,δ85.00000°,λ175.00000°. $M_0$1.32000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=4.5km az=122.2.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.4km az=71.0. Recorded [2 TAP] in Yilan and [1 TAP] in Changhua and Hualien.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=138.3.
IDC Error ellipse: s-maj=15.0km s-min=10.2km az=68.0.
ISC XI 21 22 37 50.6–.99 24.01N–.02 122.36E–.01 16–7 4.1b 215 1-145
TAP XI 21 22 37 51.5 24.00N 122.26E 6–0 4.1L **¶601993546**
JMA XI 21 22 37 51.7–.20 23.94N 122.29E 22–5 3.7
ISCJB XI 21 22 37 52.1–.34 23.96N–.01 122.34E–.01 16–3 3.9b
IDC XI 21 22 37 54.6–4.4 24.11N 122.33E 44–44 4.0,3.9
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=150.2.
IDC Error ellipse: s-maj=39.9km s-min=18.0km az=61.0.
ISC XI 21 22 54 40.9–1.0 23.99N–.02 122.28E–.02 18–4 3.9b 243 1-84
IDC XI 21 22 54 38.0–.95 24.07N 122.27E 0 4.0,3.9 **¶601993549**
ISCJB XI 21 22 54 41.2–.30 23.95N–.01 122.33E–.01 15–2 3.9b,3.9
JMA XI 21 22 54 41.1–.20 23.96N 122.28E 18–4 3.9,3.9
TAP XI 21 22 54 41.7 24.01N 122.31E 23–0 4.2L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=18.6km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=149.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC XI 21 22 55 04.5–1.2 24.00N–.03 122.29E–.04 30–8 4.0b 83 1-84
ISCJB XI 21 22 55 03.3–.59 23.95N–.02 122.36E–.03 26–3 3.9b **¶602389809**
TAP XI 21 22 55 04.5 24.00N 122.29E 23–1 4.2L
IDC XI 21 22 55 07.5–5.2 24.17N 122.58E 59–48 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=33.8.
TAP C.
IDC Error ellipse: s-maj=30.0km s-min=16.2km az=67.0.
ISC XI 22 03 28 41.0–1.0 24.13N–.02 122.37E–.01 12–9 152 0-4
NIED XI 22 03 28 00 24.10N 122.40E 20 3.7W **¶603035862**
ISCJB XI 22 03 28 42.0–.30 24.14N–.02 122.38E–.01 17–3 3.7W
JMA XI 22 03 28 42.2–.10 24.14N 122.39E 19–3 3.7
TAP XI 22 03 28 43.5 24.20N 122.28E 22–0 3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ42.00000°,λ-69.00000°. NP2:ϕ_s182.00000°,δ51.00000°,λ-108.00000°. $M_0$4.51000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=160.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XI 22 13 38 27.4–1.2 24.27N–.03 122.10E–.02 60–6 134 0-3
JMA XI 22 13 38 26.8–.10 24.21N 122.09E 58–2 2.4 **¶603035890**
ISCJB XI 22 13 38 27.3–.30 24.25N–.02 122.12E–.02 57–4 2.4
TAP XI 22 13 38 27.1 24.24N 122.10E 56–0 2.9L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=155.8.
TAP B.
TAP XI 22 18 45 31.7 21.12N 122.20E 164–1 3.6L
¶603035916
TAP D.
ISC XI 22 19 13 39.0–.00 23.82N–.02 122.05E–.02 27–10 200 0-4
ISCJB XI 22 19 13 39.2–.28 23.83N–.01 122.05E–.01 22–2 **¶603035918**
JMA XI 22 19 13 39.5 23.83N 121.99E 31–2 2.8
TAP XI 22 19 13 40.2 23.87N 122.00E 37–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=39.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XI 23 03 17 56.2–1.9 24.57N–.09 122.73E–.03 107–13 41 0-2
ISCJB XI 23 03 17 56.6–.93 24.56N–.07 122.73E–.02 100–7 **¶603035929**
JMA XI 23 03 17 56.3–.20 24.53N 122.73E 108–1 1.8
TAP XI 23 03 17 57.1 24.63N 122.65E 109–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=3.5km az=179.2.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
TAP C.
ISC XI 23 10 46 24.3–1.4 24.85N–.05 122.60E–.03 16–11 51 1-46
ISCJB XI 23 10 46 24.7–.57 24.88N–.05 122.63E–.03 22–5 3.4b **¶602389878**
TAP XI 23 10 46 24.5 24.82N 122.56E 9–3 3.2L
JMA XI 23 10 46 25.5–.20 24.83N 122.63E 39 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.6km az=19.4.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC XI 23 10 46 50.5–.00 24.78N–.06 122.50E–.04 10 13 0-56
IDC XI 23 10 46 35.3–1.5 23.02N 121.86E 0 3.6,3.5 **¶603035945**
ISCJB XI 23 10 46 50.1–.76 24.83N–.05 122.51E–.04 10 3.5s,3.3b
TAP XI 23 10 46 51.4 24.70N 122.48E 20–1 3.2L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=75.9km s-min=24.9km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=13.6.
TAP C.
ISC XI 23 10 49 00.8–1.2 24.90N–.04 122.61E–.03 6–9 3.5b,3.4s 68 1-83
TAP XI 23 10 48 59.9 24.90N 122.57E 2–0 3.5L,3.4s **¶602389879**
ISCJB XI 23 10 49 00.3–.68 24.91N–.04 122.63E–.02 10–5 3.5b,3.4s
IDC XI 23 10 49 01.2–1.1 24.58N 121.96E 0 3.7,3.7
JMA XI 23 10 49 02.8–.30 24.74N 122.61E 37 3.0,3.7
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=21.1.
IDC Error ellipse: s-maj=44.9km s-min=19.5km az=81.0.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC XI 23 10 51 14.0–1.2 24.86N–.04 122.67E–.02 6–9 3.4b 61 0-49
ISCJB XI 23 10 51 14.4–.50 24.93N–.04 122.68E–.02 17–4 3.5s,3.5b **¶602389880**
IDC XI 23 10 51 14.8–1.2 24.43N 121.47E 0 3.6,3.6
TAP XI 23 10 51 14.7 24.86N 122.57E 7–2 3.4L,3.6
JMA XI 23 10 51 16.1–.30 24.80N 122.62E 38 2.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=2.9km az=17.5.
IDC Error ellipse: s-maj=70.9km s-min=19.4km az=68.0.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC XI 23 12 47 37.5–1.1 24.91N–.04 122.59E–.03 11–8 3.6b,3.4s 85 1-50
ISCJB XI 23 12 47 38.6–.45 24.89N–.03 122.58E–.02 16–4 3.6b,3.4s **¶602389886**
JMA XI 23 12 47 39.4–.10 24.83N 122.58E 39–3 3.4,3.4s
TAP XI 23 12 47 39.4 24.85N 122.44E 7–1 3.6L,3.4s
IDC XI 23 12 48 11.5–14 25.30N 122.97E 359–176 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=4.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
IDC Error ellipse: s-maj=62.2km s-min=16.4km az=57.0.
ISC XI 23 13 31 32.4–1.4 24.92N–.04 122.65E–.03 6–10 3.6b 85 1-59
ISCJB XI 23 13 31 32.9–1.3 24.94N–.03 122.72E–.03 12–10 3.6b **¶602389889**
TAP XI 23 13 31 32.4 24.93N 122.64E 3–1 3.4L
IDC XI 23 13 31 33.9–1.1 24.40N 121.60E 0 3.8,3.7
JMA XI 23 13 31 35.3–.30 24.76N 122.63E 37 2.6,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=25.7.
TAP D.
IDC Error ellipse: s-maj=70.3km s-min=18.4km az=68.0.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC XI 23 13 38 43.4–1.5 24.83N–.04 122.57E–.03 7–12 3.5b,3.4s 65 0-78
ISCJB XI 23 13 38 43.7–.69 24.86N–.04 122.61E–.03 11–5 3.5b,3.4s **¶602389890**
TAP XI 23 13 38 43.4 24.83N 122.55E 6–2 3.5L,3.4s
IDC XI 23 13 38 43.5–1.2 24.31N 121.14E 0 3.7,3.6
JMA XI 23 13 38 44.8–.20 24.84N 122.59E 30–4 3.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=15.4.
TAP D.
IDC Error ellipse: s-maj=69.0km s-min=20.3km az=67.0.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC XI 23 13 52 22.4–1.1 24.83N–.05 122.61E–.03 27–12 60 0-3
TAP XI 23 13 52 22.3 24.89N 122.56E 12–0 3.2L **¶603035988**
ISCJB XI 23 13 52 23.3–1.6 24.89N–.05 122.64E–.03 15–14 3.2L
JMA XI 23 13 52 23.0–.30 24.81N 122.59E 30 2.2
ISC Event type ke.

TAP D.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.4km az=23.9.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC XI 23 14 08 38.9–1.3 24.96N–.04 122.70E–.02 1–10 3.7b,3.2s 85 1-78
TAP XI 23 14 08 39.6 24.93N 122.61E 3–1 3.6L,3.2s **¶606063464**
JMA XI 23 14 08 41.9–.30 24.80N 122.66E 42–4 3.0,3.2s
IDC XI 23 14 08 57.0–9.0 24.90N 122.59E 161–95 3.8,3.4
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=45.7km s-min=16.2km az=66.0.
ISC XI 23 14 13 43.6–1.4 24.97N–.04 122.67E–.03 13–10 3.2b 82 1-50
TAP XI 23 14 13 43.4 24.90N 122.62E 2–0 3.5L **¶602389892**
IDC XI 23 14 13 43.2–1.2 24.35N 121.36E 0 3.6,3.5
ISCJB XI 23 14 13 44.5–.45 24.94N–.04 122.68E–.02 17–4 3.3b,3.5
JMA XI 23 14 13 45.8–.20 24.79N 122.63E 41–4 2.5,3.5
ISC Event type ke.
TAP D.
IDC Error ellipse: s-maj=69.2km s-min=19.6km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=16.3.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC XI 23 14 18 35.6–.86 24.65N–.02 122.24E–.02 18–5 139 0-3
TAP XI 23 14 18 35.5 24.69N 122.23E 11–0 2.9L **¶603036000**
JMA XI 23 14 18 36.1–.10 24.63N 122.22E 39 2.9
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 23 14 21 36.4–.72 24.82N–.03 122.55E–.03 16 3.4b 69 0-49
ISCJB XI 23 14 21 35.3–.54 24.92N–.04 122.64E–.04 16 3.3b **¶603036001**
IDC XI 23 14 21 35.5–1.3 24.38N 121.54E 0 3.5,3.4
TAP XI 23 14 21 36.3 24.94N 122.55E 23–0 3.3L,3.4
JMA XI 23 14 21 36.5–.30 24.81N 122.56E 20 2.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=35.0.
IDC Error ellipse: s-maj=69.0km s-min=21.3km az=69.0.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC XI 24 02 37 04.7–1.1 24.86N–.05 122.51E–.03 17–10 49 0-2
ISCJB XI 24 02 37 04.9–.70 24.86N–.04 122.51E–.02 12–5 **¶603036068**
JMA XI 24 02 37 05.5–.10 24.84N 122.52E 26–3 2.5
TAP XI 24 02 37 06.8 24.86N 122.42E 8–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=14.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XI 24 12 21 57.7–1.2 23.95N–.02 122.32E–.02 18–3 108 1-2
ISCJB XI 24 12 21 57.4–.62 23.94N–.02 122.31E–.02 9–4 **¶603036088**
JMA XI 24 12 21 58.6–.10 23.96N 122.27E 24–4 2.5
TAP XI 24 12 21 58.3 24.01N 122.36E 36–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=151.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XI 24 19 43 31.2–1.1 24.85N–.02 122.10E–.02 3–10 132 0-4
TAP XI 24 19 43 31.4 24.86N 122.02E 11–0 3.3L **¶603036103**
JMA XI 24 19 43 32.1–.10 24.85N 122.01E 26 2.8
ISC Event type ke.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 24 19 45 07.7–.94 24.86N–.03 122.09E–.03 11–7 63 0-2
ISCJB XI 24 19 45 08.3–.42 24.84N–.02 122.05E–.03 5–4 **¶603036105**
TAP XI 24 19 45 08.2 24.87N 122.01E 12–0 2.5L
JMA XI 24 19 45 08.9–.10 24.86N 121.99E 35 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=168.9.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 25 08 01 23.1–1.1 22.02N–.04 121.66E–.03 16–6 92 0-4
ISCJB XI 25 08 01 21.5–.73 21.93N–.04 121.74E–.02 11–4 **¶603036142**
TAP XI 25 08 01 23.1 21.95N 121.60E 14–0 3.4L
JMA XI 25 08 01 24.0–.40 22.22N 121.76E 0 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.3km az=170.8.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
ISC XI 25 14 08 51.1–1.0 24.00N–.02 122.43E–.02 16–8 191 1-4
JMA XI 25 14 08 53.1–.10 23.97N 122.42E 49–3 2.9 **¶603036161**
TAP XI 25 14 08 53.6 24.06N 122.43E 52–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
TAP XI 26 09 18 26.7 21.33N 122.04E 200–1 3.9L
¶603036212
TAP D.
ISC XI 26 12 24 08.9–1.2 24.30N–.03 122.46E–.02 71–7 215 0-4
ISCJB XI 26 12 24 08.6–.26 24.32N–.02 122.46E–.01 71–4 **¶601994554**
JMA XI 26 12 24 08.5–.10 24.22N 122.43E 69–2 3.7
TAP XI 26 12 24 09.4 24.29N 122.39E 75–0 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=165.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP B.
ISC XI 27 05 28 14.6–1.3 24.41N–.03 122.37E–.02 64–8 143 0-2
JMA XI 27 05 28 13.8–.20 24.33N 122.33E 68–3 2.8 **¶603036272**
TAP XI 27 05 28 13.8 24.43N 122.36E 67–0 3.2L
ISCJB XI 27 05 28 14.1–.35 24.42N–.02 122.37E–.02 65–5 3.2L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC XI 27 21 05 39.6–1.4 23.35N–.04 122.98E–.03 20–6 79 1-2
JMA XI 27 21 05 41.8–.10 23.36N 122.97E 52 1.9 **¶603036317**
TAP XI 27 21 05 43.4 23.45N 122.93E 54–1 2.7L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC XI 28 00 35 13.6–1.3 24.41N–.04 122.27E–.02 58–8 94 0-2
JMA XI 28 00 35 12.6–.20 24.32N 122.24E 63–4 2.2 **¶603036325**
ISCJB XI 28 00 35 13.0–.43 24.42N–.03 122.28E–.02 60–6 2.2
TAP XI 28 00 35 13.0 24.42N 122.24E 64–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=166.5.
TAP B.
ISC XI 28 08 59 04.6–1.1 24.87N–.04 122.39E–.02 13–12 54 0-2
JMA XI 28 08 59 04.4–.30 24.86N 122.37E 0–3 2.5 **¶603036341**
TAP XI 28 08 59 04.1 24.90N 122.43E 18–0 2.6L
ISCJB XI 28 08 59 05.1–.63 24.88N–.03 122.38E–.02 10–4 2.6L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC XI 28 13 11 15.9–.90 24.81N–.02 122.08E–.02 15–7 89 0-3
ISCJB XI 28 13 11 15.5–.41 24.81N–.02 122.12E–.02 4–4 **¶603036374**
JMA XI 28 13 11 16.2 24.84N 122.03E 44 2.5
TAP XI 28 13 11 16.1 24.82N 122.02E 18–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=160.8.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC XI 29 03 12 52.7–.53 22.69N–.03 121.27E–.03 95–4 4.4b 325 0-147
NIED XI 29 03 12 00 22.60N 121.30E 86 4.3W **¶601995166**
BJI XI 29 03 12 50.6 22.73N 121.31E 70 4.5b,4.4b
ISCJB XI 29 03 12 51.9–.19 22.68N–.02 121.26E–.02 98–1 4.2b,4.4b
NEIC XI 29 03 12 51.8–.57 22.57N 121.40E 91–4 5.0L,4.5b
JMA XI 29 03 12 51.8–.20 22.64N 121.31E 87–3 4.4,4.5b
TAP XI 29 03 12 52.8 22.69N 121.29E 88–0 5.0L,4.5b
ASIES XI 29 03 12 53.8 22.68N 121.33E 88 4.0W,4.5b
IDC XI 29 03 12 56.5–3.5 22.63N 121.37E 134–32 4.2,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ20.00000°,λ142.00000°. NP2:ϕ_s115.00000°,δ78.00000°,λ74.00000°. M_o3.26000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=40.8.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=6.5km az=169.0. Recorded [2 TAP] in Pingtung and Taitung; [1 TAP] in Changhua, Chiayi, Penghu and Yunlin.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=15.3km s-min=12.0km az=74.0.
ISC XI 29 10 03 03.8–1.2 24.17N–.02 122.26E–.02 19–3 118 0-2
ISCJB XI 29 10 03 05.7–.27 24.20N–.02 122.27E–.02 38–13 **¶603036447**
JMA XI 29 10 03 05.1–.10 24.15N 122.22E 53–3 2.4
TAP XI 29 10 03 05.8 24.21N 122.24E 45–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=147.3.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XI 29 16 11 01.6–1.0 23.77N–.02 122.11E–.02 29–11 141 1-3
ISCJB XI 29 16 11 01.7–.33 23.77N–.02 122.13E–.02 27–2 **¶603036464**
JMA XI 29 16 11 01.7–.10 23.78N 122.11E 24–3 2.5
TAP XI 29 16 11 01.8 23.78N 122.09E 28–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=136.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC XI 29 18 29 40.9–.81 22.60N–.02 121.06E–.02 12–5 3.4b,2.8s 155 0-56
NIED XI 29 18 29 00 22.50N 120.90E 5 3.8W,2.8s **¶601995269**
IDC XI 29 18 29 37.7–1.6 22.69N 121.75E 0 3.5,3.4b
JMA XI 29 18 29 38.1 22.55N 120.92E 20–1 3.7,3.4b
TAP XI 29 18 29 41.0 22.61N 121.01E 8–0 4.0L,3.4b
ISCJB XI 29 18 29 40.3–.34 22.56N–.02 121.12E–.02 7–2 3.3b,2.8s
ASIES XI 29 18 29 40.8 22.61N 120.99E 20 3.6W,2.8s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ22.00000°,λ-56.00000°. NP2:ϕ_s295.00000°,δ72.00000°,λ-103.00000°. M_o5.99000×10^{14}
IDC Error ellipse: s-maj=149.0km s-min=20.1km az=66.0.
JMA Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=139.5.
ISC XI 30 15 27 44.1–.91 24.22N–.03 122.42E–.02 68–6 3.3b 187 0-49
IDC XI 30 15 27 36.0–6.1 24.23N 122.20E 0 3.5,3.3 **¶602390241**
ISCJB XI 30 15 27 43.7–.23 24.21N–.02 122.44E–.01 70–3 3.2b,3.3
TAP XI 30 15 27 43.9 24.22N 122.44E 69–0 3.7L,3.3
JMA XI 30 15 27 44.0–.10 24.20N 122.41E 66–2 3.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=433.9km s-min=11.8km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=162.5.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XII 01 08 37 26.4–1.6 25.19N–.06 122.18E–.03 210–9 139 0-4
TAP XII 01 08 37 26.6 25.21N 122.25E 214–0 4.0L **¶603036548**
ISCJB XII 01 08 37 27.4–.46 25.16N–.04 122.21E–.02 202–3 4.0L
JMA XII 01 08 37 27.9–.20 25.13N 122.18E 199–3 3.9
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=169.4.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XII 01 21 44 49.3–.96 22.40N–.02 121.19E–.02 15–8 166 0-4
ISCJB XII 01 21 44 49.5–.29 22.34N–.02 121.21E–.02 27–2 **¶603036621**
TAP XII 01 21 44 50.1 22.36N 121.15E 24–0 3.4L
JMA XII 01 21 44 54.6–.10 22.76N 121.25E 16–2 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=160.2.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0.
ISC XII 03 18 57 36.0–1.1 23.97N–.02 122.34E–.02 23–13 186 1-4
ISCJB XII 03 18 57 35.9–.48 23.98N–.01 122.34E–.01 10–3 **¶603036802**
JMA XII 03 18 57 36.5–.20 23.98N 122.33E 17–3 3.3
TAP XII 03 18 57 37.4 24.05N 122.30E 24–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=38.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XII 03 22 28 22.2–.98 24.79N–.03 122.17E–.02 16–8 62 0-2
TAP XII 03 22 28 21.4 24.79N 122.17E 3–1 3.0L **¶603036812**
ISCJB XII 03 22 28 22.1–.43 24.79N–.02 122.24E–.02 9–3 3.0L
JMA XII 03 22 28 23.0 24.73N 122.15E 30–4 2.7
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=12.8.
ISC XII 03 22 28 51.3–.95 24.74N–.03 122.22E–.02 14–7 63 0-2
ISCJB XII 03 22 28 51.5–.41 24.76N–.02 122.20E–.02 9–3 **¶603036815**
JMA XII 03 22 28 52.1 24.75N 122.14E 37 2.8
TAP XII 03 22 28 52.4 24.74N 122.08E 5–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=8.4.
TAP C.
ISC XII 04 13 33 00.5–.95 22.97N–.02 121.52E–.02 31–8 141 0-4
ISCJB XII 04 13 32 59.9–.33 22.96N–.02 121.55E–.02 29–2 **¶603036853**
JMA XII 04 13 32 59.9–.10 22.99N 121.45E 41–3 3.5
TAP XII 04 13 33 01.3 22.99N 121.42E 36–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=145.0.
JMA Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
TAP C.
ISC XII 05 00 25 26.7–.99 23.99N–.02 122.30E–.02 19–3 167 1-95
NIED XII 05 00 25 00 24.00N 122.30E 23 3.7W **¶602005894**
IDC XII 05 00 25 24.1–1.0 24.21N 122.38E 0 3.8,3.7
ISCJB XII 05 00 25 27.6–.34 23.97N–.02 122.29E–.02 23–3 3.6b,2.9s
JMA XII 05 00 25 27.1–.20 23.97N 122.27E 18–4 3.6,2.9s
TAP XII 05 00 25 27.6 24.02N 122.29E 24–0 3.9L,2.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s315.00000°,δ30.00000°,λ158.00000°. NP2:ϕ_s65.00000°,δ79.00000°,λ62.00000°. M_o4.31000×10^{14}
IDC Error ellipse: s-maj=66.2km s-min=18.9km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=137.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XII 05 11 40 37.7–1.2 24.00N–.02 122.27E–.02 20–5 221 1-4
JMA XII 05 11 40 36.9–.20 23.94N 122.30E 19–4 3.2 **¶603036924**
TAP XII 05 11 40 36.9 24.00N 122.28E 18–0 3.6L
ISCJB XII 05 11 40 37.8–.30 23.99N–.01 122.28E–.01 27–2 3.6L
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC XII 08 13 40 47.7–1.3 24.17N–.05 122.53E–.02 58–14 80 0-3
TAP XII 08 13 40 46.8 24.20N 122.51E 73–0 2.8L **¶603037164**
ISCJB XII 08 13 40 47.1–.45 24.18N–.04 122.53E–.02 62–9 2.8L
JMA XII 08 13 40 47.0–.10 24.15N 122.49E 65–3 2.3
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=2.6km az=171.1.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XII 08 14 26 56.1–.30 25.75N–.03 122.40E–.03 299–2 5.0b 909 0-179
NIED XII 08 14 26 00 25.60N 122.40E 320 5.1W **¶602090164**

TAP XII 08 14 26 54.6 25.67N 122.45E 312–0 6.2L
MOS XII 08 14 26 54.5–.95 25.77N 122.37E 293 5.4b
ISCJB XII 08 14 26 54.9–.09 25.72N–.02 122.40E–.02 295–1 5.0b
NEIC XII 08 14 26 55.9–.24 25.75N 122.35E 291–2 5.1b
BJI XII 08 14 26 55.2 25.68N 122.33E 281 5.3b,5.2b
IDC XII 08 14 26 56.4–.37 25.79N 122.40E 300–3 5.2,4.6
GCMT XII 08 14 26 57.8–.30 25.81N–.03 122.20E–.04 306–2 5.2W,4.6
JMA XII 08 14 26 57.1–.30 25.56N 122.38E 283–3 5.0,4.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s99.00000°,δ49.00000°,λ-154.00000°. NP2:ϕ_s352.00000°,δ71.00000°,λ-44.00000°. M_o5.48000×10^{16}
TAP C.
MOS Error ellipse: s-maj=6.7km s-min=4.1km az=110.4.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=153.4.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=121.0.
IDC Error ellipse: s-maj=6.8km s-min=5.1km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s64,c91;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.22±.22 $M_{\theta\theta}$-1.26±.34; $M_{\phi\phi}$2.48±.31; $M_{r\theta}$-1.42±.35; $M_{\theta\phi}$-3.17±.30; $M_{\phi r}$-6.75±.26; Best double couple: NP1: ϕ_s10.00000°,δ85.00000°,λ-63.00000°. NP2:ϕ_s110.00000°,δ28.00000°,λ-169.00000°. Principal axes: T 7.9510,Plg34.0000°,Azm77.0000°; N -0.1240,Plg27.0000°,Azm187.0000°; P -7.8270,Plg44.0000°,Azm306.0000° M_o7.88900×10^{16}
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.

ISC XII 08 20 52 52.9–1.1 24.56N–.03 122.44E–.02 13–9 92 0-2
TAP XII 08 20 52 53.8 24.57N 122.40E 14–0 2.8L **¶603037186**
JMA XII 08 20 52 54.4 24.51N 122.43E 33–2 2.4
ISC Event type ke.
TAP D.

ISC XII 09 05 54 40.9–1.4 23.72N–.03 122.52E–.02 18–6 3.9b 153 1-98
NIED XII 09 05 54 00 23.70N 122.50E 20 4.0W **¶602390886**
IDC XII 09 05 54 35.6–3.2 23.39N 122.58E 0 4.0,3.9
ISCJB XII 09 05 54 40.2–.67 23.70N–.02 122.54E–.02 5–5 3.8b,3.2s
JMA XII 09 05 54 41.4–.20 23.74N 122.50E 18–4 3.7,3.2s
TAP XII 09 05 54 41.8 23.78N 122.52E 18–0 4.1L,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ35.00000°,λ162.00000°. NP2:ϕ_s64.00000°,δ80.00000°,λ57.00000°. M_o1.17000×10^{15}
IDC Error ellipse: s-maj=73.9km s-min=33.8km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=146.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.

ISC XII 10 08 04 32.7–1.3 21.91N–.06 121.74E–.03 20–3 74 0-4
ISCJB XII 10 08 04 32.3–.63 21.92N–.04 121.78E–.03 25–4 **¶603037278**
TAP XII 10 08 04 32.3 21.91N 121.71E 23–0 3.5L
JMA XII 10 08 04 33.3–.20 21.97N 121.68E 82 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=174.5.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC XII 10 16 40 29.9–.88 22.25N–.02 121.10E–.02 16–6 3.8b 186 0-85
NIED XII 10 16 40 00 22.60N 121.30E 5 4.2W **¶602034575**
IDC XII 10 16 40 27.1–.70 22.13N 121.31E 0 3.9,3.8
ISCJB XII 10 16 40 29.6–.36 22.16N–.02 121.15E–.02 19–3 3.6b,3.8
TAP XII 10 16 40 30.2 22.24N 121.02E 13–0 4.2L,3.8
ASIES XII 10 16 40 31.9 22.25N 121.04E 23 3.6W,3.8
JMA XII 10 16 40 33.4–.20 22.58N 121.35E 0 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ17.00000°,λ-42.00000°. NP2:ϕ_s213.00000°,δ79.00000°,λ-103.00000°. M_o2.26000×10^{15}
IDC Error ellipse: s-maj=24.3km s-min=16.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=44.7.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC XII 10 21 18 46.4–1.0 22.24N–.02 121.12E–.03 11–8 120 0-5
ISCJB XII 10 21 18 45.6–.44 22.22N–.02 121.20E–.02 2–3 **¶602042934**
TAP XII 10 21 18 46.8 22.23N 121.03E 11–0 3.7L
JMA XII 10 21 18 51.1–.30 22.62N 121.32E 11 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=165.0.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC XII 11 04 42 45.9–1.1 24.66N–.02 122.51E–.02 8–9 128 0-3
ISCJB XII 11 04 42 47.6–.50 24.69N–.02 122.49E–.02 15–4 **¶603037377**
TAP XII 11 04 42 47.6 24.74N 122.42E 12–0 3.4L
JMA XII 11 04 42 48.3 24.62N 122.46E 31–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=25.3.
TAP C.

ISC XII 11 18 44 49.4–1.0 21.22N–.07 121.95E–.08 174–6 3.3b 125 1-85
IDC XII 11 18 44 29.3–1.0 21.20N 122.68E 0 3.8,3.5 **¶602391115**
TAP XII 11 18 44 49.3 21.22N 121.97E 173–0 4.2L,3.5
ISCJB XII 11 18 44 50.5–.57 21.31N–.04 121.83E–.06 175–4 3.3b,3.5
ISC Event type ke.
TAP D.
ISCJB Event type ke.

ISC XII 12 05 54 45.2–1.2 22.19N–.03 121.12E–.03 7–9 111 0-5
ISCJB XII 12 05 54 45.2–.52 22.19N–.02 121.21E–.02 1–4 **¶603037498**
JMA XII 12 05 54 46.3–.20 22.25N 121.00E 34–3 3.8
TAP XII 12 05 54 46.9 22.24N 121.02E 12–0 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.8km az=7.2.
JMA Error ellipse: s-maj=2.2km s-min=5.1km az=-1.0.
TAP B.

ISC XII 12 11 31 54.5–1.3 24.44N–.04 122.77E–.02 80–7 135 0-6
TAP XII 12 11 31 53.5 24.42N 122.80E 87–0 3.7L **¶603037515**
JMA XII 12 11 31 53.9–.10 24.40N 122.74E 83–1 3.4
ISCJB XII 12 11 31 54.0–.36 24.44N–.03 122.78E–.02 81–4 3.4
ISC Event type ke.
TAP C.
ISCJB Event type ke.

ISC XII 13 09 13 51.1–1.3 24.75N–.03 122.09E–.02 57–6 117 0-2
ISCJB XII 13 09 13 50.6–.40 24.75N–.02 122.09E–.02 59–4 **¶603037573**
TAP XII 13 09 13 50.6 24.76N 122.06E 59–0 3.2L
JMA XII 13 09 13 50.4–.20 24.76N 122.08E 61–3 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=173.4.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC XII 13 21 47 22.8–.92 24.76N–.02 122.21E–.02 13–7 145 0-3
TAP XII 13 21 47 21.6 24.76N 122.18E 1–0 2.8L **¶603037600**
ISCJB XII 13 21 47 22.2–.36 24.78N–.02 122.27E–.02 8–2 2.8L
JMA XII 13 21 47 23.3–.10 24.68N 122.19E 35 2.1
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=34.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC XII 14 14 07 34.0–1.1 24.02N–.03 122.37E–.02 11–9 81 1-2
ISCJB XII 14 14 07 34.3–.94 24.02N–.02 122.38E–.01 12–7 **¶603037639**
JMA XII 14 14 07 34.5–.20 24.02N 122.38E 14 2.4
TAP XII 14 14 07 35.2 24.06N 122.28E 11–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=175.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.

ISC XII 15 18 56 55.7–1.3 24.57N–.04 122.62E–.02 94–7 170 0-3
TAP XII 15 18 56 55.0 24.60N 122.64E 100–0 3.4L **¶603037728**
ISCJB XII 15 18 56 55.4–.38 24.58N–.02 122.63E–.01 94–4 3.4L
JMA XII 15 18 56 55.0–.10 24.52N 122.60E 100–2 2.3
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=172.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC XII 17 04 56 48.8–.89 24.81N–.02 122.02E–.02 6–6 3.9b,3.6s 184 0-90
NIED XII 17 04 56 00 24.80N 121.90E 5 4.2W,3.6s **¶603037850**
TAP XII 17 04 56 48.5 24.81N 122.01E 6–0 4.2L,3.6s
ISCJB XII 17 04 56 48.5–.29 24.82N–.01 122.06E–.01 2–2 3.8b,3.5s
JMA XII 17 04 56 49.4–.10 24.82N 121.93E 40–4 3.6,3.5s
ASIES XII 17 04 56 51.9 24.82N 121.99E 31 3.7W,3.5s
IDC XII 17 04 56 58.6–5.7 24.69N 121.95E 89–56 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ35.00000°,λ-116.00000°. NP2:ϕ_s258.00000°,δ59.00000°,λ-73.00000°. M_o2.07000×10^{15}
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=179.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=14.3km az=71.0.

ISC XII 17 09 00 43.4–1.3 22.08N–.03 121.23E–.02 15–9 146 0-5
JMA XII 17 09 00 41.3–.10 21.97N 121.08E 59–3 4.4 **¶603037911**
ISCJB XII 17 09 00 43.4–.40 22.01N–.03 121.25E–.02 32–2 4.4
TAP XII 17 09 00 43.5 21.99N 121.22E 31–0 4.0L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=173.9.
TAP C.

ISC XII 17 12 34 31.1–1.1 24.87N–.03 122.47E–.03 10–9 59 0-2
ISCJB XII 17 12 34 30.8–.72 24.91N–.03 122.50E–.03 10–5 **¶603037922**
TAP XII 17 12 34 30.8 24.91N 122.44E 11–0 3.1L
JMA XII 17 12 34 31.9–.10 24.79N 122.45E 10–3 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=19.8.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC XII 17 13 20 29.5–1.1 24.88N–.03 122.46E–.02 8–9 100 0-3
ISCJB XII 17 13 20 29.5–.40 24.87N–.02 122.46E–.02 2–3 **¶603037930**
JMA XII 17 13 20 29.3–.20 24.85N 122.45E 1–2 2.7
TAP XII 17 13 20 29.9 24.90N 122.39E 10–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=13.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.

ISC XII 17 20 15 02.7–1.1 23.89N–.03 122.81E–.02 18–7 119 1-4
JMA XII 17 20 15 05.7–.10 24.17N 122.82E 58–3 2.2 **¶603037970**
TAP XII 17 20 15 05.9 24.10N 122.85E 47–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.

ISC XII 18 01 36 39.9–1.1 24.10N–.03 122.50E–.02 31–11 69 1-2
ISCJB XII 18 01 36 39.8–.47 24.12N–.03 122.51E–.02 19–5 **¶603037993**
JMA XII 18 01 36 39.8–.10 24.08N 122.51E 31–4 2.2
TAP XII 18 01 36 40.6 24.21N 122.50E 37–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=161.7.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.

ISC XII 19 02 05 14.5–1.0 23.53N–.02 122.07E–.02 28–11 200 1-4
ISCJB XII 19 02 05 15.0–.35 23.53N–.01 122.07E–.02 32–2 **¶603038065**
JMA XII 19 02 05 14.7–.10 23.56N 122.05E 40–5 3.1
TAP XII 19 02 05 15.4 23.54N 122.02E 30–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=32.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.

ISC XII 19 21 00 23.5–1.1 23.97N–.02 122.28E–.02 18–6 165 1-4
ISCJB XII 19 21 00 23.1–.63 23.95N–.01 122.30E–.01 11–4 **¶603038096**
JMA XII 19 21 00 23.7–.20 23.97N 122.28E 18–4 2.8
TAP XII 19 21 00 23.6 24.00N 122.28E 18–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=146.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.

ISC XII 20 19 52 33.5–.69 24.61N–.03 122.60E–.02 104–5 3.3b 247 0-82
IDC XII 20 19 52 32.5–4.4 24.73N 122.63E 94–42 3.7,3.4 **¶603038191**
ISCJB XII 20 19 52 33.0–.23 24.64N–.02 122.60E–.01 109–2 3.4b,3.4
JMA XII 20 19 52 33.7–.10 24.54N 122.57E 103–1 3.7,3.4
TAP XII 20 19 52 33.6 24.60N 122.61E 105–0 4.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=16.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=166.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.

ISC XII 21 07 51 49.8–1.1 23.98N–.02 122.36E–.02 15–8 3.5b 135 1-83
IDC XII 21 07 51 47.8–1.3 23.95N 122.00E 0 3.7,3.6 **¶602391789**
ISCJB XII 21 07 51 50.8–.34 24.00N–.02 122.39E–.01 19–3 3.4b,3.6
JMA XII 21 07 51 50.7–.20 23.97N 122.41E 17–4 3.2,3.6
TAP XII 21 07 51 52.6 24.08N 122.31E 29–0 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=24.4km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=153.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.

ISC XII 21 07 58 15.9–1.2 23.98N–.03 122.37E–.02 7–10 72 1-2
ISCJB XII 21 07 58 17.5–.37 24.01N–.02 122.37E–.02 16–5 **¶603038230**
JMA XII 21 07 58 17.1–.30 23.98N 122.40E 13–5 2.6
TAP XII 21 07 58 18.9 24.06N 122.31E 25–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=163.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.

ISC XII 21 22 31 33.2–1.6 24.77N–.06 122.99E–.03 124–9 104 0-3
JMA XII 21 22 31 32.8–.30 24.78N 123.00E 131–3 2.3 **¶603038295**
ISCJB XII 21 22 31 33.6–.55 24.75N–.04 122.98E–.02 117–4 2.3
TAP XII 21 22 31 34.3 24.76N 122.99E 110–1 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=2.8km az=173.8.
TAP D.

ISC XII 22 03 24 35.4–.79 22.03N–.03 121.58E–.03 16–4 4.2b,3.4s 189 0-147
NIED XII 22 03 24 00 22.40N 121.70E 35 4.4W,3.4s **¶602056577**
IDC XII 22 03 24 32.7–.58 21.87N 121.55E 0 4.2,4.1
BJI XII 22 03 24 32.8 21.71N 121.73E 24 4.6b,4.2b
ASIES XII 22 03 24 34.0 22.04N 121.48E 33 3.9W,4.2b
TAP XII 22 03 24 34.8 21.99N 121.49E 14–0 4.2L,4.2b
NEIC XII 22 03 24 34.2–.30 21.94N 121.57E 10 4.4b,4.2b
JMA XII 22 03 24 37.3–.30 22.42N 121.69E 0 4.6,4.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ18.00000°,λ-137.00000°. NP2:ϕ_s302.00000°,δ78.00000°,λ-77.00000°. M_o3.90000×10^{15}
IDC Error ellipse: s-maj=29.1km s-min=13.1km az=66.0.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=5.1km az=77.0. Recorded [5 TAP] in Taitung.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC XII 22 03 28 03.7–1.3 24.41N–.06 122.84E–.03 58–8 67 0-3
JMA XII 22 03 28 02.9–.10 24.40N 122.82E 63–1 2.6 **¶603038310**
ISCJB XII 22 03 28 03.1–.47 24.42N–.05 122.84E–.02 61–6 2.6
TAP XII 22 03 28 03.0 24.43N 122.85E 62–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.0km az=1.6.
TAP C.

TAP XII 22 03 47 55.5 21.21N 121.90E 168–0 3.6L
¶603038323

TAP C.
ISC XII 22 10 16 00.3–1.1 23.84N–.02 122.19E–.02 16–9 137 1-3
ISCJB XII 22 10 16 00.8–.37 23.81N–.02 122.22E–.02 15–3 **¶603038357**
JMA XII 22 10 16 01.7 23.82N 122.15E 43–3 2.6
TAP XII 22 10 16 02.4 23.87N 122.16E 46–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=139.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC XII 22 12 59 40.7–1.0 23.95N–.02 122.28E–.02 18–6 3.4b 206 1-83
NIED XII 22 12 59 00 23.90N 122.30E 32 3.7W **¶602391864**
IDC XII 22 12 59 37.6–.99 24.08N 122.38E 0 3.7,3.6b
TAP XII 22 12 59 40.8 23.95N 122.28E 12–1 3.7L,3.6b
ISCJB XII 22 12 59 41.4–.29 23.93N–.01 122.32E–.01 19–2 3.5b,2.9s
JMA XII 22 12 59 41.2–.10 23.92N 122.29E 21–2 3.5,2.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s146.00000°,δ85.00000°,λ179.00000°. NP2:ϕ_s236.00000°,δ89.00000°,λ5.00000°. $M_0$4.12000×10^{14}
IDC Error ellipse: s-maj=55.8km s-min=18.7km az=64.0.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=143.9.
ISC XII 22 15 13 02.5–1.2 24.45N–.03 122.26E–.02 64–7 157 0-4
JMA XII 22 15 13 01.7–.10 24.37N 122.22E 69–2 2.4 **¶603038383**
ISCJB XII 22 15 13 02.2–.33 24.47N–.02 122.26E–.02 65–4 2.4
TAP XII 22 15 13 02.4 24.44N 122.22E 66–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=162.6.
TAP B.
ISC XII 23 16 10 21.3–1.0 24.66N–.02 122.46E–.02 13–8 138 0-3
ISCJB XII 23 16 10 21.5–.45 24.71N–.02 122.49E–.01 11–3 **¶603038480**
TAP XII 23 16 10 21.3 24.71N 122.43E 11–0 3.0L
JMA XII 23 16 10 22.2 24.61N 122.43E 31–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=22.0.
TAP C.
ISC XII 24 03 17 52.0–.59 22.51N–.03 121.27E–.02 71–4 4.1b 278 0-84
NIED XII 24 03 17 00 22.50N 121.30E 74 4.5W **¶602057609**
BJI XII 24 03 17 49.1 22.68N 121.16E 7 4.3b,4.2L
ISCJB XII 24 03 17 51.1–.22 22.48N–.02 121.30E–.02 78–1 4.0b,4.2L
JMA XII 24 03 17 51.1–.20 22.47N 121.29E 66–3 4.5,4.2L
NEIC XII 24 03 17 51.9–.00 22.55N 121.32E 61 4.2b,4.2L
ASIES XII 24 03 17 51.9 22.55N 121.32E 85 4.1W,4.2L
IDC XII 24 03 17 52.4–2.2 22.41N 121.51E 85–21 4.2,3.9
TAP XII 24 03 17 52.1 22.53N 121.28E 68–0 5.0L,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ17.00000°,λ-100.00000°. NP2:ϕ_s296.00000°,δ73.00000°,λ-87.00000°. $M_0$5.75000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=138.0.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
NEIC Event type fe. Recorded [2 TAP] in Taitung. After TAP.
IDC Error ellipse: s-maj=17.0km s-min=13.1km az=93.0.
TAP B.
ISC XII 25 09 32 21.3–.98 24.78N–.02 122.06E–.02 7–9 90 0-2
JMA XII 25 09 32 21.0–.10 24.94N 121.91E 52 2.5 **¶603038636**
TAP XII 25 09 32 21.1 24.80N 122.01E 13–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP B.
ISC XII 26 02 06 37.8–.56 23.94N–.02 122.52E–.01 31–3 4.8b,4.1s 577 1-160
NIED XII 26 02 06 00 23.90N 122.50E 35 4.7W,4.1s **¶602058482**
MOS XII 26 02 06 36.8–.93 24.12N 122.72E 38 5.0b,4.1s
BJI XII 26 02 06 36.8 24.03N 122.36E 20 4.8b,4.6b
TAP XII 26 02 06 37.5 23.96N 122.46E 25–0 4.9L,4.6b
NEIC XII 26 02 06 37.1–.86 24.04N 122.55E 25–6 5.0b,4.9L
JMA XII 26 02 06 37.2–.20 23.93N 122.45E 22–4 4.8,4.9L
IDC XII 26 02 06 37.6–3.7 24.15N 122.60E 26–24 4.5,4.5
ISCJB XII 26 02 06 38.2–.18 23.95N–.01 122.49E–.01 46–1 4.7b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s315.00000°,δ18.00000°,λ160.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ73.00000°. $M_0$1.20000×10^{16}
TAP D.
NEIC Event type fe. Recorded [1 TAP] in Hualien, Taitung and Yilan.
ISCJB Event type fe.
ISC XII 26 13 54 08.3–.88 24.44N–.02 122.09E–.02 15–6 119 0-2
ISCJB XII 26 13 54 08.0–.34 24.45N–.01 122.09E–.02 2–2 **¶603038734**
TAP XII 26 13 54 08.6 24.46N 122.04E 16–0 2.9L
JMA XII 26 13 54 08.7 24.40N 122.06E 23 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=42.7.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XII 26 15 10 37.2–.97 24.61N–.02 122.34E–.02 18–3 133 0-3
JMA XII 26 15 10 37.1 24.54N 122.33E 29–3 2.7 **¶603038744**
TAP XII 26 15 10 37.3 24.60N 122.28E 13–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XII 27 02 39 20.1–1.4 24.44N–.04 122.69E–.03 86–9 109 0-2
ISCJB XII 27 02 39 19.9–.54 24.44N–.03 122.69E–.02 84–5 **¶603038788**
JMA XII 27 02 39 19.3–.10 24.28N 122.68E 91–1 1.8
TAP XII 27 02 39 19.5 24.43N 122.70E 85–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=2.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC XII 27 13 58 11.8–1.1 23.42N–.03 122.78E–.02 14–9 163 1-5
JMA XII 27 13 58 15.1–.20 23.43N 122.91E 65–5 2.7 **¶603038825**
TAP XII 27 13 58 15.7 23.46N 122.82E 39–1 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC XII 29 05 26 36.8–.99 24.84N–.03 122.28E–.02 12–8 62 0-2
ISCJB XII 29 05 26 36.7–.55 24.85N–.02 122.31E–.02 9–3 **¶603039022**
JMA XII 29 05 26 36.3–.20 24.80N 122.28E 0 1.9
TAP XII 29 05 26 36.6 24.85N 122.26E 10–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=25.9.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
TAP XII 30 04 01 48.7 21.73N 121.11E 19–0 3.6L
¶603039118
TAP C.
ISC XII 30 05 48 04.8–1.2 24.51N–.03 122.01E–.02 64–5 181 0-3
JMA XII 30 05 48 03.8–.10 24.43N 121.97E 70–2 3.6 **¶602069060**
ISCJB XII 30 05 48 04.5–.28 24.51N–.02 122.02E–.02 64–3 3.6
TAP XII 30 05 48 05.1 24.50N 121.94E 59–0 4.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=154.7.
TAP B.
ISC XII 30 07 01 28.3–1.0 23.97N–.02 122.30E–.02 12–9 127 1-3
ISCJB XII 30 07 01 29.5–.73 23.97N–.01 122.28E–.02 13–5 **¶603039141**
JMA XII 30 07 01 29.7–.10 23.96N 122.28E 21–4 3.2
TAP XII 30 07 01 30.3 24.02N 122.25E 22–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=144.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XII 30 08 09 50.9–.70 24.79N–.04 122.87E–.02 139–5 3.6b 191 0-83
IDC XII 30 08 09 50.7–4.1 25.02N 122.97E 132–40 3.8,3.8 **¶602380883**
ISCJB XII 30 08 09 51.1–.28 24.74N–.02 122.86E–.02 133–2 3.4b,3.8
JMA XII 30 08 09 51.7–.20 24.74N 122.85E 131–2 4.0,3.8
TAP XII 30 08 09 52.0 24.77N 122.87E 127–0 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=15.6km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.3km az=170.2.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP B.
ISC XII 30 15 03 19.1–1.0 24.65N–.03 122.56E–.02 19–2 98 0-3
TAP XII 30 15 03 18.9 24.66N 122.56E 20–0 2.8L **¶603039172**
ISCJB XII 30 15 03 19.7–.32 24.64N–.03 122.56E–.02 18–4 2.8L
JMA XII 30 15 03 19.2–.10 24.68N 122.57E 18–3 2.5
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=10.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XII 31 21 06 52.7–1.3 24.28N–.05 122.21E–.03 50–11 61 0-2
ISCJB XII 31 21 06 52.2–.42 24.28N–.04 122.22E–.02 53–7 **¶602083834**
JMA XII 31 21 06 52.0–.10 24.22N 122.20E 53–3 2.0
TAP XII 31 21 06 52.2 24.34N 122.17E 59–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=169.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.

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ISC VII 01 03 15 13.9–.86 23.69N–.02 121.58E–.02 12–6 105 0-3
JMA VII 01 03 15 12.9–.10 23.68N 121.63E 0 2.5 **¶602414213**
ISCJB VII 01 03 15 13.7–.34 23.71N–.01 121.60E–.02 7–2 2.5
TAP VII 01 03 15 14.0 23.71N 121.53E 6–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=34.1.
TAP C.
TAP VII 04 22 22 51.6 23.30N 120.42E 7–0 2.4L
¶602414603
TAP B.
TAP VII 04 22 22 54.1 23.22N 120.55E 17–0 2.4L
¶602414606
TAP A.
ISC VII 05 16 15 55.1–1.2 23.40N–.02 121.70E–.03 2–10 98 0-3
JMA VII 05 16 15 54.8–.20 23.39N 121.72E 0 2.6 **¶602414676**
ISCJB VII 05 16 15 55.6–.44 23.41N–.02 121.71E–.02 6–3 2.6
TAP VII 05 16 15 56.5 23.45N 121.58E 4–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=26.3.
TAP C.
ISC VII 06 00 46 17.7–1.2 24.29N–.02 121.84E–.02 47–5 119 0-3
JMA VII 06 00 46 16.3 24.24N 121.79E 59–1 2.8 **¶602414745**
ISCJB VII 06 00 46 17.3–.27 24.28N–.02 121.86E–.02 48–3 2.8
TAP VII 06 00 46 17.7 24.31N 121.77E 46–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=44.9.
TAP B.
ISC VII 07 12 35 41.8–.80 23.20N–.01 121.03E–.01 9–5 158 0-4
IASPE VII 07 12 35 41.7–.83 23.21N–.02 121.03E–.02 7–5 **¶601246220**
ISCJB VII 07 12 35 41.9–.21 23.18N–.01 121.05E–.01 8–2
JMA VII 07 12 35 41.0–.10 23.20N 121.06E 0–1 3.4
TAP VII 07 12 35 41.4 23.20N 121.01E 7–0 3.9L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=102.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=157.2.
TAP B.
ISC VII 07 12 38 36.0–.81 23.20N–.01 121.07E–.01 12–5 150 0-4
JMA VII 07 12 38 35.4–.20 23.10N 121.38E 0 3.1 **¶601246221**
ISCJB VII 07 12 38 36.4–.22 23.17N–.01 121.04E–.01 8–2 3.1
TAP VII 07 12 38 36.0 23.21N 121.01E 6–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=156.7.
TAP B.
ISC VII 08 06 05 10.7–1.0 23.99N–.02 121.68E–.02 34–2 142 0-3
JMA VII 08 06 05 09.7–.10 23.97N 121.72E 35–1 2.4 **¶602415040**
ISCJB VII 08 06 05 10.5–.22 23.99N–.01 121.72E–.02 38–5 2.4
TAP VII 08 06 05 10.1 23.99N 121.65E 43–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=138.6.
TAP C.
ISC VII 09 13 36 32.1–1.2 23.79N–.02 121.74E–.02 41–6 136 0-3
ISCJB VII 09 13 36 31.6–.25 23.79N–.01 121.76E–.02 44–5 **¶602415178**
JMA VII 09 13 36 31.1 23.78N 121.71E 45–1 2.5
TAP VII 09 13 36 31.4 23.80N 121.73E 46–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=42.7.
TAP B.
ISC VII 13 19 48 51.2–.87 23.78N–.02 121.65E–.02 31–5 189 0-3
ISCJB VII 13 19 48 50.9–.22 23.77N–.01 121.69E–.01 28–1 **¶602415633**
JMA VII 13 19 48 50.4–.10 23.78N 121.65E 31–2 3.0
TAP VII 13 19 48 51.0 23.78N 121.64E 33–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=34.5.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
ISC VII 17 01 58 15.5–.74 23.90N–.02 121.49E–.02 17–3 138 0-3
JMA VII 17 01 58 14.8 23.86N 121.52E 7–3 2.8 **¶601352364**
ISCJB VII 17 01 58 15.7–.20 23.90N–.01 121.52E–.02 17–2 2.8
TAP VII 17 01 58 15.3 23.91N 121.48E 15–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=35.2.
TAP B.
TAP VII 17 08 11 43.0 24.76N 121.30E 8–0 1.6L
¶602416107
TAP B.
ISC VII 17 18 48 24.8–.79 23.97N–.02 121.65E–.02 13–4 129 0-3
JMA VII 17 18 48 23.8–.20 23.97N 121.65E 0 2.6 **¶601404373**
ISCJB VII 17 18 48 24.9–.29 23.97N–.01 121.66E–.02 9–2 2.6
TAP VII 17 18 48 24.9 23.98N 121.61E 9–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=32.0.
TAP B.
ISC VII 17 19 58 52.4–.60 22.06N–.02 120.35E–.03 36–1 4.1b 212 0-85
IDC VII 17 19 58 47.4–.78 21.99N 120.41E 0 4.0,3.9b **¶601451825**
NEIC VII 17 19 58 49.0–3.3 22.00N 120.41E 12–21 4.5b,3.9b
ISCJB VII 17 19 58 50.9–.26 22.07N–.02 120.38E–.02 43–2 4.1b,2.8s
TAP VII 17 19 58 50.9 22.07N 120.39E 45–0 4.1L,2.8s
JMA VII 17 19 58 51.2–.20 22.05N 120.44E 63–3 3.8,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=17.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=176.8.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
TAP VII 18 16 59 27.0 24.40N 121.44E 3–0 0.4L
¶602416225

TAP D.
TAP VII 18 16 59 26.0 24.47N 121.82E 18–0 1.2L ¶602416222
TAP C.
ISC VII 20 16 22 57.0–.80 23.97N–.01 121.65E–.02 11–5 160 0-3
ISCJB VII 20 16 22 56.7–.30 23.97N–.01 121.67E–.02 1–2 **¶601485297**
JMA VII 20 16 22 56.1–.20 23.97N 121.64E 0 2.8
TAP VII 20 16 22 57.1 23.98N 121.61E 9–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=26.8.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
TAP B.
ISC VII 23 11 31 59.9–.87 23.99N–.02 121.72E–.02 32–5 153 0-3
ISCJB VII 23 11 31 59.6–.25 23.98N–.01 121.78E–.02 27–2 **¶602416682**
JMA VII 23 11 31 59.3–.10 23.96N 121.74E 30–1 2.9
TAP VII 23 11 31 59.9 24.01N 121.69E 33–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=42.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
TAP VII 23 18 26 34.7 24.08N 121.67E 18–0 1.8L ¶602416708
TAP D.
ISC VII 23 22 47 38.6–1.3 24.68N–.03 121.93E–.02 74–6 159 0-2
JMA VII 23 22 47 37.7–.20 24.63N 121.89E 78–3 2.9 **¶602416731**
ISCJB VII 23 22 47 38.3–.37 24.69N–.02 121.93E–.02 74–3 2.9
TAP VII 23 22 47 38.4 24.69N 121.90E 73–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=148.4.
TAP A.
ISC VII 24 15 04 48.3–.76 24.83N–.02 121.96E–.02 11–5 103 0-46
TAP VII 24 15 04 47.7 24.85N 121.98E 12–0 3.3L **¶601666379**
IDC VII 24 15 04 47.9–1.7 24.37N 120.82E 0 3.8,3.7b
JMA VII 24 15 04 48.6 24.84N 121.91E 33 2.7,3.7b
ISC Event type ke.
TAP B.
IDC Error ellipse: s-maj=92.1km s-min=28.3km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VII 25 08 17 02.7–.84 24.36N–.02 121.97E–.02 15–6 91 0-3
JMA VII 25 08 17 01.8–.10 24.36N 121.98E 0 2.8 **¶602416879**
ISCJB VII 25 08 17 02.6–.36 24.35N–.02 121.98E–.02 8–2 2.8
TAP VII 25 08 17 02.6 24.38N 121.96E 13–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=135.6.
TAP B.
ISC VII 25 09 17 35.4–1.0 23.41N–.02 121.66E–.02 28–11 186 0-4
JMA VII 25 09 17 35.7–.10 23.38N 121.71E 38–4 3.0 **¶602416885**
TAP VII 25 09 17 35.8 23.41N 121.63E 41–0 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
TAP B.
TAP VII 26 08 34 01.6 24.37N 121.91E 36–0 1.6L ¶606346526
TAP C.
ISC VII 27 17 59 35.2–.91 23.47N–.02 121.63E–.02 30–8 165 0-4
ISCJB VII 27 17 59 34.2–.26 23.46N–.01 121.67E–.01 27–2 **¶601485430**
TAP VII 27 17 59 34.7 23.49N 121.60E 39–0 3.9L
JMA VII 27 17 59 35.8–.20 23.62N 121.70E 98 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=42.1.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VIII 03 01 43 20.4–1.3 24.91N–.03 121.99E–.02 81–5 154 0-3
JMA VIII 03 01 43 19.3–.30 24.88N 121.97E 87 2.9 **¶602417616**
ISCJB VIII 03 01 43 20.2–.39 24.90N–.02 121.99E–.02 81–3 2.9
TAP VIII 03 01 43 20.3 24.90N 121.99E 80–0 4.0L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=160.4.
TAP B.
ISC VIII 03 22 43 42.7–.80 22.87N–.01 120.75E–.02 17–5 3.9b 182 0-84
NIED VIII 03 22 43 00 23.00N 120.80E 23 3.9W **¶601520234**
TAP VIII 03 22 43 42.7 22.82N 120.73E 19–0 4.3L
ISCJB VIII 03 22 43 43.6–.20 22.79N–.01 120.72E–.02 27–1 3.8b,2.8s
IDC VIII 03 22 43 49.2–6.8 22.69N 120.79E 82–63 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ24.00000°,λ54.00000°. NP2:ϕ_s197.00000°,δ71.00000°,λ105.00000°. $M_0$6.73000×10^{14}
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=159.9.
IDC Error ellipse: s-maj=29.1km s-min=13.5km az=67.0.
ISC VIII 03 23 13 46.4–1.1 23.66N–.02 121.98E–.02 19–3 164 0-3
ISCJB VIII 03 23 13 46.3–.32 23.64N–.01 122.01E–.01 17–3 **¶602417660**
TAP VIII 03 23 13 47.0 23.67N 121.96E 20–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=140.1.
TAP C.
ISC VIII 08 22 21 01.4–1.2 23.81N–.02 121.56E–.02 50 169 0-3
JMA VIII 08 22 20 59.9–.10 23.75N 121.49E 52–3 3.3 **¶602417989**
ISCJB VIII 08 22 21 00.9–.18 23.81N–.01 121.58E–.01 50 3.3
TAP VIII 08 22 21 00.9 23.81N 121.53E 45–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=42.1.
TAP B.
ISC VIII 10 06 16 26.2–1.3 24.09N–.03 121.83E–.03 54–7 82 0-3
ISCJB VIII 10 06 16 25.6–.41 24.09N–.02 121.84E–.02 59–5 **¶602418078**
JMA VIII 10 06 16 25.2 24.06N 121.80E 51 2.6
TAP VIII 10 06 16 25.3 24.11N 121.79E 61–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=138.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC VIII 11 09 20 48.5–.99 23.55N–.02 121.59E–.02 33–2 160 0-4
JMA VIII 11 09 20 47.3 23.51N 121.54E 48–1 3.1 **¶602418146**
ISCJB VIII 11 09 20 48.2–.23 23.54N–.01 121.61E–.02 42–5 3.1
TAP VIII 11 09 20 48.1 23.56N 121.55E 45–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=40.9.
TAP B.
ISC VIII 11 19 31 13.5–.97 24.09N–.02 121.72E–.02 33–3 158 0-3
JMA VIII 11 19 31 12.2 24.04N 121.69E 33 2.8 **¶602418175**
TAP VIII 11 19 31 12.7 24.08N 121.70E 40–0 3.7L
ISCJB VIII 11 19 31 13.2–.20 24.08N–.01 121.74E–.01 39–4 3.7L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC VIII 11 20 23 38.0–.80 22.98N–.02 120.98E–.02 11–5 3.7b,3.1s 168 0-84
JMA VIII 11 20 23 35.9–.10 22.88N 121.37E 0 3.4,3.1s **¶601765763**
IDC VIII 11 20 23 36.2–.82 22.92N 121.07E 0 3.8,3.6
ISCJB VIII 11 20 23 37.7–.24 22.97N–.01 120.94E–.01 5–2 3.5b,3.2s
TAP VIII 11 20 23 37.1 23.01N 120.93E 8–0 4.2L,3.2s
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=17.5km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=177.3.
TAP C.
ISC VIII 11 20 36 59.8–.86 22.98N–.02 120.99E–.02 11–6 136 0-4
JMA VIII 11 20 36 58.4–.20 22.87N 121.37E 0 3.1 **¶602418186**
TAP VIII 11 20 36 59.5 22.99N 120.92E 3–0 3.7L
ISCJB VIII 11 20 37 00.3–.26 22.98N–.01 120.95E–.01 1–2 3.7L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VIII 14 10 55 43.7–.56 24.03N–.01 121.58E–.02 25–3 5.0b,4.3s 605 0-145
NIED VIII 14 10 55 00 24.00N 121.50E 32 4.5W,4.3s **¶601561233**
BJI VIII 14 10 55 40.9 24.08N 121.50E 7 4.7b,4.7b
JMA VIII 14 10 55 42.0–.10 24.00N 121.51E 21–5 4.6,4.7b
IASPE VIII 14 10 55 43.4–.88 24.03N–.02 121.58E–.02 24–4 5.0b,4.3s
ISCJB VIII 14 10 55 43.1–.17 24.042N–.01 121.60E–.01 29–1 4.8b,4.3s
NEIC VIII 14 10 55 43.1–.63 24.01N 121.60E 25–4 5.2L,5.0b
TAP VIII 14 10 55 43.4 24.05N 121.51E 22–0 5.2L,5.0b
MOS VIII 14 10 55 44.8–1.2 24.16N 121.61E 49 5.2b,4.2s
IDC VIII 14 10 55 46.3–2.5 24.06N 121.66E 54–23 4.6,4.4L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ58.00000°,λ169.00000°. NP2:ϕ_s163.00000°,δ81.00000°,λ32.00000°. $M_0$6.43000×10^{15}
IASPE Event type fe. Error ellipse: s-maj=3.4km s-min=1.9km az=113.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=33.1.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.2km az=142.0. Felt [III] at Yonghe. Felt widely in Taiwan. Also felt at Fuzhou, Fujian. Recorded [5 TAP] in Yilan; [4 TAP] in Hualien and Taichung; [3 TAP] in Nantou; [2 TAP] in Changhua, Chiayi, Hsinchu, Miaoli, Taipei, Taoyuan and Yunlin, Taiwan. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}7.15 $M_{\theta\theta}$-4.11 $M_{\phi\phi}$-3.05 $M_{r\theta}$-1.79 $M_{\theta\phi}$-4.51 $M_{\phi r}$-3.12 Best double couple: NP1:ϕ_s220.00000°,δ58.00000°,λ80.00000°. NP2:ϕ_s58.00000°,δ34.00000°,λ105.00000°. Principal axes: T 8.0500,Plg75.0000°,Azm101.0000°; N 0.7900,Plg8.0000°,Azm225.0000° ; P -8.8500,Plg12.0000°,Azm317.0000° $M_0$8.50000×10^{15}
TAP B.
MOS Error ellipse: s-maj=8.3km s-min=5.7km az=118.4.
IDC Error ellipse: s-maj=12.7km s-min=11.7km az=61.0.
ISC VIII 14 23 46 48.9–.90 24.37N–.01 121.47E–.02 7–7 132 0-3
JMA VIII 14 23 46 48.8–.10 24.37N 121.43E 6 3.1 **¶602418511**
TAP VIII 14 23 46 48.5 24.37N 121.48E 6–0 3.6L
ISCJB VIII 14 23 46 49.2–.21 24.39N–.01 121.49E–.01 5–2 3.6L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
TAP VIII 15 00 23 57.8 23.75N 121.50E 7–0 2.2L ¶602418535
TAP C.
ISC VIII 15 00 24 02.5–.87 23.73N–.02 121.55E–.02 9–6 133 0-4
NIED VIII 15 00 23 00 23.70N 121.30E 5 3.8W **¶602418537**
JMA VIII 15 00 23 59.1 23.74N 121.30E 12–2 3.6
ISCJB VIII 15 00 24 02.1–.34 23.73N–.01 121.59E–.02 4–2 3.6
TAP VIII 15 00 24 02.2 23.75N 121.53E 7–0 4.0L
BJI VIII 15 00 24 04.0 23.80N 121.50E 10 3.5L,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ31.00000°,λ86.00000°. NP2:ϕ_s25.00000°,δ59.00000°,λ93.00000°. $M_0$5.05000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=41.3.
TAP B.
ISC VIII 15 00 28 19.8–.87 23.73N–.02 121.54E–.02 9–6 96 0-3
ISCJB VIII 15 00 28 19.5–.39 23.73N–.02 121.59E–.02 2–3 **¶602418551**
TAP VIII 15 00 28 19.6 23.75N 121.53E 6–0 3.4L
JMA VIII 15 00 28 20.1–.10 23.73N 121.51E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=36.5.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISC VIII 15 04 38 48.3–.93 24.38N–.01 121.47E–.01 5–7 3.7b 169 0-40
IDC VIII 15 04 38 29.0–68 22.89N 123.39E 0 3.9,3.9b **¶601561838**
JMA VIII 15 04 38 47.9–.10 24.37N 121.42E 6 3.3,3.9b
TAP VIII 15 04 38 47.7 24.37N 121.48E 6–0 4.1L,3.9b
ISCJB VIII 15 04 38 48.3–.22 24.38N–.01 121.50E–.01 2–2 3.6b,3.0s
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VIII 15 13 45 28.6–1.1 23.52N–.02 121.67E–.02 10–9 122 0-3
JMA VIII 15 13 45 30.4–.10 23.51N 121.58E 38–2 2.9 **¶602418621**
ISCJB VIII 15 13 45 31.4–.27 23.56N–.02 121.61E–.02 30–2 2.9
TAP VIII 15 13 45 31.5 23.58N 121.56E 32–0 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=139.6.
TAP B.
TAP VIII 16 02 10 35.1 23.74N 121.52E 9–0 3.5L ¶602419504
TAP C.
ISC VIII 16 04 05 35.8–.90 23.73N–.02 121.63E–.02 31–6 117 0-3
ISCJB VIII 16 04 05 35.6–.28 23.72N–.01 121.66E–.02 31–1 **¶602419514**
JMA VIII 16 04 05 35.1 23.71N 121.62E 39–4 3.0
TAP VIII 16 04 05 35.7 23.75N 121.62E 37–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=35.9.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC VIII 16 17 41 00.5–.62 24.03N–.02 121.55E–.02 26–4 4.1b,3.7s 247 0-83
NIED VIII 16 17 40 00 24.00N 121.50E 32 4.0W,3.7s **¶601566312**
BJI VIII 16 17 40 58.1 24.09N 121.50E 6 4.3b,4.3b
JMA VIII 16 17 40 59.3 23.99N 121.49E 21 4.1,4.3b
IASPE VIII 16 17 41 00.5–.88 24.03N–.02 121.56E–.02 24–4 4.1b,3.7s
ISCJB VIII 16 17 41 00.6–.17 24.044N–.01 121.58E–.01 25–1 4.0b,3.6s
TAP VIII 16 17 41 00.5 24.06N 121.50E 22–0 4.6L,3.6s
NEIC VIII 16 17 41 02.5–1.1 24.01N 121.72E 50–10 4.6b,3.6s
IDC VIII 16 17 41 05.0–2.7 24.02N 121.79E 75–26 4.1,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ53.00000°,λ165.00000°. NP2:ϕ_s161.00000°,δ78.00000°,λ37.00000°. $M_0$1.27000×10^{15}
IASPE Event type se. Error ellipse: s-maj=3.5km s-min=2.0km az=115.8. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type se. Error ellipse: s-maj=2.1km s-min=1.4km az=36.7.
TAP B.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=9.2km az=170.0.
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=74.0.
ISC VIII 17 15 39 05.1–.86 24.38N–.01 121.46E–.01 8–6 3.5b 187 0-46
NIED VIII 17 15 39 00 24.40N 121.40E 8 3.5W **¶601765995**
IDC VIII 17 15 39 03.7–1.3 24.15N 121.41E 0 3.5,3.5
JMA VIII 17 15 39 04.7–.10 24.37N 121.39E 4 3.5,3.5
TAP VIII 17 15 39 04.6 24.37N 121.47E 8–0 3.8L,3.5
ISCJB VIII 17 15 39 05.2–.19 24.381N–.01 121.50E–.01 4–2 3.4b,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ47.00000°,λ-130.00000°. NP2:ϕ_s183.00000°,δ56.00000°,λ-56.00000°. $M_0$2.04000×10^{14}
TAP C.
ISCJB Event type ke.
TAP VIII 17 20 17 06.4 23.26N 121.06E 2–1 0.7L ¶602419755
TAP C.
ISC VIII 17 20 20 02.5–.53 23.36N–.02 121.58E–.02 27–3 5.0b,4.4s 839 0-168
BJI VIII 17 20 19 59.5 23.41N 121.59E 8 5.0L,4.8s
NIED VIII 17 20 20 00 23.40N 121.60E 32 4.6W,4.8s **¶601565592**
JMA VIII 17 20 20 01.8 23.36N 121.56E 21–1 4.7,4.8s
NEIC VIII 17 20 20 02.0–.52 23.31N 121.53E 25–3 5.3L,5.1b

TAP VIII 17 20 20 03.0 23.38N 121.49E 26–0 5.2L,5.1b
ISCJB VIII 17 20 20 02.8–.15 23.35N–.01 121.57E–.01 41–1 5.0b,4.3s
MOS VIII 17 20 20 02.6–1.1 23.34N 121.61E 43 5.1b,4.7s
IDC VIII 17 20 20 03.5–2.5 23.34N 121.63E 33–19 4.5,4.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ56.00000°,λ-17.00000°. NP2:ϕ_s40.00000°,δ76.00000°,λ-145.00000°. $M_0$9.29000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=97.0. Felt at Hualien, Kaohsiung and Madou. Recorded [5 TAP] in Taitung; [4 TAP] in Hualien; [2 TAP] in Changhua, Kaohsiung, Nantou and Yunlin; [1 TAP] in Chiayi and Pingtung. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.73 $M_{r\theta}$-1.14 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s2.00000°,δ27.00000°,λ35.00000°. NP2:ϕ_s240.00000°,δ75.00000°,λ113.00000°. Principal axes: T 1.5700,Plg55.0000°,Azm178.0000°; N -0.2800,Plg22.0000°,Azm53.0000°; P -1.2900,Plg26.0000°,Azm312.0000° $M_0$1.50000×10^{16}
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=39.5.
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=114.2.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=73.0.
TAP VIII 17 21 05 26.8 23.38N 121.69E 37–0 2.1L
¶602419773
TAP C.
TAP VIII 17 21 05 29.2 24.40N 121.82E 9–0 1.1L
¶602419776
TAP C.
ISC VIII 19 19 03 42.8–.84 24.39N–.01 121.46E–.02 9–6 134 0-3
JMA VIII 19 19 03 42.2–.20 24.36N 121.41E 0 3.2 **¶602419920**
TAP VIII 19 19 03 42.5 24.37N 121.48E 7–0 3.7L
ISCJB VIII 19 19 03 43.1–.24 24.38N–.01 121.52E–.01 1–3 3.7L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC VIII 19 21 11 39.2–.93 24.38N–.01 121.47E–.02 6–7 141 0-3
TAP VIII 19 21 11 38.6 24.37N 121.48E 7–0 3.7L **¶602419933**
JMA VIII 19 21 11 39.1–.10 24.38N 121.41E 5 3.1
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISC VIII 19 22 20 28.6–.93 24.38N–.02 121.48E–.02 6–8 109 0-3
TAP VIII 19 22 20 27.9 24.37N 121.48E 6–0 3.7L **¶602419958**
JMA VIII 19 22 20 29.1–.10 24.37N 121.44E 11 3.1
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VIII 20 15 31 00.0–.87 24.44N–.02 121.95E–.02 18–2 164 0-6
JMA VIII 20 15 30 59.9–.10 24.41N 121.90E 34 3.2 **¶601610513**
TAP VIII 20 15 30 59.8 24.44N 121.90E 25–0 3.8L
ISCJB VIII 20 15 31 00.2–.23 24.44N–.01 121.98E–.02 22–2 3.8L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
TAP VIII 20 17 35 48.0 24.19N 121.04E 7–2 1.3L
¶602420084
TAP C.
TAP VIII 20 17 35 48.8 24.37N 121.49E 7–0 2.0L
¶602420087
TAP B.
ISC VIII 20 21 41 42.8–1.0 23.17N–.02 121.58E–.02 33–3 136 0-3
ISCJB VIII 20 21 41 42.2–.26 23.16N–.01 121.60E–.02 38–6 **¶602420111**
JMA VIII 20 21 41 42.0–.10 23.12N 121.57E 37 3.1
TAP VIII 20 21 41 42.8 23.18N 121.52E 40–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=36.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
TAP VIII 21 17 22 30.1 23.19N 121.01E 7–0 3.6L
¶601610518
TAP B.
ISC VIII 22 16 51 31.6–.79 24.02N–.01 121.56E–.02 19–2 3.2b 190 0-49
IDC VIII 22 16 51 30.0–3.6 23.37N 120.62E 0 3.5,3.3 **¶601614655**
JMA VIII 22 16 51 30.7–.10 23.99N 121.57E 15–2 3.1,3.3
IASPE VIII 22 16 51 31.5–.86 24.02N–.01 121.56E–.02 19–2 3.2b,3.3
ISCJB VIII 22 16 51 31.8–.18 24.02N–.01 121.59E–.01 21–2 3.2b,3.3
TAP VIII 22 16 51 31.6 24.04N 121.52E 18–0 3.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=299.5km s-min=22.2km az=61.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IASPE Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=113.5. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=33.7.
TAP B.
ISC VIII 25 02 33 44.4–1.1 23.52N–.02 121.89E–.03 24–11 117 0-3
JMA VIII 25 02 33 43.1–.20 23.38N 121.83E 62–4 3.1 **¶602420356**
TAP VIII 25 02 33 44.8 23.53N 121.88E 19–0 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
TAP VIII 25 23 05 23.0 23.42N 120.94E 7–0 1.2L
¶602420425
TAP A.
TAP VIII 25 23 05 26.1 23.20N 120.73E 13–0 0.6L
¶602420428
TAP D.
TAP VIII 25 23 42 16.0 24.42N 121.36E 11–0 1.2L
¶602420435
TAP B.
TAP VIII 25 23 42 21.6 24.39N 121.37E 10–0 1.2L
¶602420438
TAP D.
ISC VIII 28 00 55 10.1–1.0 23.43N–.02 121.61E–.03 33–3 111 0-3
JMA VIII 28 00 55 08.7–.10 23.40N 121.61E 43–3 3.0 **¶602422293**
ISCJB VIII 28 00 55 09.9–.32 23.43N–.02 121.64E–.02 35–6 3.0
TAP VIII 28 00 55 09.7 23.44N 121.58E 43–0 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=39.0.
TAP C.
ISC VIII 31 12 11 40.8–.60 24.70N–.01 120.89E–.02 12–3 4.3b,3.5s 297 0-152
NIED VIII 31 12 11 00 24.80N 120.90E 8 4.5W,3.5s **¶601668291**
ISCJB VIII 31 12 11 39.9–.25 24.778N–.01 120.83E–.01 13–1 4.2b,3.6s
TAP VIII 31 12 11 39.6 24.72N 120.88E 10–0 5.0L,3.6s
JMA VIII 31 12 11 40.2–.10 24.83N 120.90E 24–1 4.6,3.6s
BJI VIII 31 12 11 40.1 24.77N 120.84E 15 4.8L,4.6b
NEIC VIII 31 12 11 43.5–.97 24.61N 121.07E 32–7 5.0L,4.6b
IDC VIII 31 12 11 45.5–3.2 24.71N 121.12E 65–31 3.9,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ29.00000°,λ43.00000°. NP2:ϕ_s91.00000°,δ71.00000°,λ112.00000°. $M_0$6.30000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=41.2.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=110.0. Felt at Changhua, Miaoli, Taipei, Tanshui and Taoyuan. Recorded [5 TAP] in Miaoli; [3 TAP] in Hsinchu; [2 TAP] in Changhua, Nantou, Taichung, Taipei, Taoyuan, Yilan and Yunlin; [1 TAP] in Chiayi, Hualien and Tainan.
IDC Error ellipse: s-maj=20.4km s-min=12.3km az=68.0.
ISC VIII 31 12 23 55.0–.75 24.73N–.01 120.86E–.02 13–5 3.9b 240 0-83
NIED VIII 31 12 23 00 24.90N 120.90E 8 4.5W **¶601668292**
BJI VIII 31 12 23 53.1 24.72N 120.94E 11 4.4b,4.4L
ISCJB VIII 31 12 23 54.4–.26 24.78N–.01 120.82E–.01 13–1 4.0b,4.4L
TAP VIII 31 12 23 54.2 24.73N 120.88E 10–0 4.8L,4.4L
JMA VIII 31 12 23 54.1–.10 24.85N 120.88E 20–2 4.4,4.4L
NEIC VIII 31 12 23 56.3–1.1 24.70N 120.96E 16–8 4.8L,4.8b
IDC VIII 31 12 23 58.4–3.7 24.63N 120.98E 50–37 3.8,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ11.00000°,λ31.00000°. NP2:ϕ_s96.00000°,δ84.00000°,λ100.00000°. $M_0$6.08000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=43.9.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.6km az=114.0. Recorded [4 TAP] in Miaoli; [3 TAP] in Hsinchu; [2 TAP] in Changhua, Taichung, Taipei, Taoyuan and Yilan; [1 TAP] in Hualien, Nantou and Yunlin.
IDC Error ellipse: s-maj=24.2km s-min=13.8km az=63.0.
TAP IX 01 18 16 41.3 25.08N 121.50E 11–1 1.4L
¶602422962
TAP B.
ISC IX 03 02 22 24.9–.84 24.40N–.02 121.88E–.02 9–6 126 0-4
ISCJB IX 03 02 22 24.8–.31 24.40N–.01 121.90E–.02 4–2 **¶602423062**
JMA IX 03 02 22 24.8–.10 24.39N 121.87E 8–5 2.5
TAP IX 03 02 22 25.0 24.41N 121.86E 9–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=31.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
TAP IX 03 02 23 45.9 24.44N 121.84E 9–0 1.8L
¶602423063
TAP C.
TAP IX 04 13 41 26.7 23.06N 120.58E 11–0 1.0L
¶606683949
TAP C.
ISC IX 05 11 36 58.7–.90 23.20N–.02 121.59E–.02 32–6 181 0-4
NIED IX 05 11 36 00 23.10N 121.70E 38 3.7W **¶601676698**
JMA IX 05 11 36 57.0–.30 23.15N 121.70E 13–5 3.7
ISCJB IX 05 11 36 58.3–.28 23.18N–.01 121.60E–.01 28–2 3.7
TAP IX 05 11 36 59.4 23.22N 121.52E 33–0 3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s331.00000°,δ17.00000°,λ32.00000°. NP2:ϕ_s209.00000°,δ81.00000°,λ104.00000°. $M_0$3.36000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=139.9.
TAP B.
ISC IX 05 15 37 34.4–1.2 23.30N–.02 121.98E–.02 4–10 115 1-2
ISCJB IX 05 15 37 36.0–.49 23.29N–.02 122.01E–.02 15–5 **¶602423379**
JMA IX 05 15 37 36.8–.20 23.29N 121.95E 32–5 2.4
TAP IX 05 15 37 37.6 23.28N 121.95E 35–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=39.5.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP D.
ISC IX 07 11 31 47.6–.84 24.42N–.02 121.98E–.02 13–6 124 0-3
ISCJB IX 07 11 31 47.1–.33 24.42N–.01 122.00E–.02 4–3 **¶602423522**
TAP IX 07 11 31 47.7 24.44N 121.94E 14–0 3.4L
JMA IX 07 11 31 47.4–.10 24.38N 121.92E 26–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=38.7.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 07 11 44 46.8–.83 24.16N–.02 121.71E–.02 12–5 124 0-4
JMA IX 07 11 44 46.2 24.08N 121.64E 16–1 2.5 **¶602423528**
ISCJB IX 07 11 44 47.1–.30 24.18N–.01 121.74E–.02 7–2 2.5
TAP IX 07 11 44 47.0 24.18N 121.71E 12–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=39.0.
TAP B.
TAP IX 07 17 55 36.7 23.31N 121.15E 2–0 1.6L
¶602423560
TAP C.
TAP IX 08 19 31 06.0 22.59N 120.54E 16–0 1.2L
¶602423659
TAP C.
ISC IX 10 06 05 07.0–1.2 24.22N–.03 121.98E–.02 53–7 90 0-3
JMA IX 10 06 05 05.5–.10 24.19N 121.93E 64–2 2.2 **¶602423796**
ISCJB IX 10 06 05 06.5–.36 24.22N–.02 121.99E–.02 56–4 2.2
TAP IX 10 06 05 06.4 24.23N 121.90E 60–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=145.5.
TAP B.
TAP IX 11 22 35 26.1 24.29N 121.70E 28–1 1.6L
¶602423922
TAP C.
ISC IX 12 16 32 39.2–.93 23.94N–.02 121.87E–.02 24–7 175 0-3
JMA IX 12 16 32 38.6–.10 23.94N 121.86E 19–2 2.3 **¶602424000**
ISCJB IX 12 16 32 39.0–.26 23.94N–.01 121.90E–.01 22–2 2.3
TAP IX 12 16 32 39.4 23.96N 121.83E 26–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=44.5.
TAP C.
ISC IX 13 01 43 06.7–.83 24.17N–.02 121.73E–.02 12–5 129 0-3
ISCJB IX 13 01 43 06.9–.30 24.17N–.01 121.74E–.02 7–2 **¶602424021**
JMA IX 13 01 43 06.3–.10 24.14N 121.72E 9–2 2.5
TAP IX 13 01 43 06.8 24.17N 121.72E 12–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=29.7.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC IX 13 03 17 14.3–.84 24.16N–.02 121.71E–.02 12–6 95 0-2
ISCJB IX 13 03 17 14.7–.29 24.18N–.01 121.72E–.02 9–2 **¶602424024**
JMA IX 13 03 17 14.1–.10 24.14N 121.68E 8–1 2.1
TAP IX 13 03 17 14.2 24.17N 121.71E 12–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=33.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC IX 13 14 20 12.2–.85 24.85N–.02 121.97E–.02 13–5 78 0-2
ISCJB IX 13 14 20 12.8–.38 24.83N–.02 121.98E–.02 4–3 **¶602424114**
TAP IX 13 14 20 12.3 24.84N 121.98E 9–0 2.5L
JMA IX 13 14 20 13.2 24.87N 121.94E 30 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=171.9.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IX 13 14 25 07.9–.80 24.84N–.02 121.98E–.02 14–5 145 0-3
TAP IX 13 14 25 08.0 24.84N 121.99E 9–0 3.3L **¶602424133**
ISCJB IX 13 14 25 08.0–.31 24.83N–.01 122.02E–.01 1–2 3.3L
JMA IX 13 14 25 08.8 24.84N 121.92E 30 2.7
ISC Event type ke.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=155.5.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP IX 13 15 52 00.9 24.84N 121.95E 10–0 2.0L
¶602424227
TAP B.
ISC IX 13 18 03 09.2–.81 24.86N–.02 121.95E–.02 12–5 92 0-2
TAP IX 13 18 03 09.0 24.85N 121.97E 10–0 2.6L **¶602424251**
ISCJB IX 13 18 03 09.5–.38 24.83N–.01 121.98E–.02 1–4 2.6L
JMA IX 13 18 03 09.9–.10 24.85N 121.85E 39 1.9
ISC Event type ke.
TAP B.

ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=179.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IX 14 20 15 45.3–1.2 23.91N–.02 121.80E–.02 44–6 127 0-3
JMA IX 14 20 15 43.9 23.85N 121.78E 52–1 2.7 **¶602424328**
ISCJB IX 14 20 15 44.9–.28 23.89N–.01 121.84E–.02 46–4 2.7
TAP IX 14 20 15 44.7 23.91N 121.80E 44–0 2.8L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=35.5.
TAP C.
ISC IX 19 08 02 27.3–.88 24.43N–.02 121.94E–.02 16–7 124 0-3
JMA IX 19 08 02 26.6–.10 24.42N 121.95E 0 2.8 **¶602424683**
ISCJB IX 19 08 02 27.7–.23 24.43N–.01 121.95E–.02 19–3 2.8
TAP IX 19 08 02 27.0 24.44N 121.90E 24–0 3.3L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=35.4.
TAP B.
TAP IX 20 17 51 55.5 23.10N 121.31E 21–0 1.4L
¶602424831
TAP B.
ISC IX 21 07 20 43.4–.97 24.37N–.02 121.87E–.02 33–2 164 0-4
JMA IX 21 07 20 41.7–.10 24.32N 121.83E 49–2 2.8 **¶602424862**
ISCJB IX 21 07 20 42.8–.23 24.38N–.01 121.90E–.02 45–3 2.8
TAP IX 21 07 20 42.5 24.38N 121.83E 43–0 3.7L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=34.3.
TAP B.
TAP IX 24 16 29 00.2 24.23N 121.75E 10–1 1.5L
¶602425161
TAP D.
ISC IX 26 10 51 07.2–.85 24.41N–.01 121.47E–.02 7–6 148 0-3
TAP IX 26 10 51 06.7 24.41N 121.49E 6–0 3.6L **¶602425294**
IASPE IX 26 10 51 07.2–.86 24.41N–.01 121.48E–.02 7–7 3.6L
ISCJB IX 26 10 51 07.2–.20 24.41N–.01 121.50E–.01 2–2 3.6L
JMA IX 26 10 51 07.0–.20 24.40N 121.41E 3–4 3.3
ISC Event type ke.
TAP C.
IASPE Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=113.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=41.9.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 30 02 40 50.1–1.3 24.52N–.03 121.77E–.02 68–6 145 0-3
ISCJB IX 30 02 40 49.5–.35 24.52N–.02 121.78E–.02 71–3 **¶602425595**
TAP IX 30 02 40 49.7 24.50N 121.75E 67–0 3.6L
JMA IX 30 02 40 49.5–.30 24.47N 121.76E 69–4 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=142.3.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC X 01 03 26 27.3–.84 24.12N–.02 121.73E–.02 12–5 91 0-2
JMA X 01 03 26 26.3–.10 24.09N 121.74E 0 2.8 **¶603031495**
ISCJB X 01 03 26 27.2–.35 24.13N–.01 121.76E–.02 7–2 2.8
TAP X 01 03 26 27.0 24.13N 121.73E 11–0 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=23.9.
TAP C.
TAP X 01 15 32 16.5 23.47N 120.89E 9–1 1.0L
¶603031522
TAP B.
TAP X 01 15 32 30.9 23.85N 120.94E 7–0 0.8L
¶603031525
TAP D.
ISC X 02 13 42 09.7–1.2 23.62N–.02 121.70E–.02 40–7 175 0-4
ISCJB X 02 13 42 09.0–.23 23.61N–.02 121.73E–.02 48–4 **¶601781416**
TAP X 02 13 42 08.9 23.64N 121.68E 48–0 3.9L
JMA X 02 13 42 08.6–.20 23.63N 121.72E 36 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=141.6.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC X 05 20 11 48.7–1.0 23.17N–.02 121.60E–.02 31–8 176 0-4
JMA X 05 20 11 47.8–.10 23.18N 121.55E 45–2 3.0 **¶603031880**
ISCJB X 05 20 11 48.2–.29 23.18N–.02 121.63E–.01 32–2 3.0
TAP X 05 20 11 48.9 23.20N 121.55E 36–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=150.8.
TAP B.
ISC X 06 00 21 10.0–1.2 24.56N–.03 121.84E–.02 74–5 158 0-4
ISCJB X 06 00 21 09.6–.30 24.56N–.02 121.84E–.02 77–2 **¶603031907**
JMA X 06 00 21 09.8–.20 24.52N 121.83E 70–2 3.2
TAP X 06 00 21 10.1 24.53N 121.83E 69–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=161.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
ISC X 06 02 30 03.8–.88 23.24N–.02 121.39E–.02 25–4 150 0-4
NIED X 06 02 30 00 23.30N 121.30E 47 3.7W **¶603031910**
JMA X 06 02 30 02.5–.10 23.25N 121.33E 28–2 3.5
ISCJB X 06 02 30 03.3–.25 23.25N–.02 121.42E–.02 24–2 3.5
TAP X 06 02 30 04.1 23.27N 121.32E 20–0 3.7L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s243.00000°,δ79.00000°,λ12.00000°. $M_0$4.14000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=5.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=144.5.
TAP B.
TAP X 12 06 16 17.2 24.30N 121.57E 39–0 2.2L
¶603032360
TAP B.
ISC X 12 22 38 02.4–.77 24.97N–.03 121.60E–.02 90–4 3.5b 194 0-71
IDC X 12 22 37 50.4–1.9 24.83N 121.68E 0 3.7,3.6 **¶601998056**
ISCJB X 12 22 38 01.8–.28 24.98N–.02 121.59E–.02 90–2 3.4b,3.6
TAP X 12 22 38 02.3 24.94N 121.63E 87–0 4.2L,3.6
JMA X 12 22 38 02.1–.30 24.89N 121.57E 89–3 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=151.0km s-min=28.7km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=144.2.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC X 13 07 00 35.8–.66 23.95N–.01 121.00E–.02 23–4 4.1b 250 0-78
NIED X 13 07 00 00 23.90N 121.00E 35 4.1W **¶601834003**
IDC X 13 07 00 31.4–.72 23.75N 120.99E 0 4.0,3.9
BJI X 13 07 00 33.3 24.02N 121.02E 5 3.9L,3.9
TAP X 13 07 00 35.7 23.94N 121.03E 21–0 4.5L,3.9
JMA X 13 07 00 35.2–.10 23.95N 121.05E 0 4.3,3.9
NEIC X 13 07 00 36.4–.53 23.86N 121.07E 29–4 4.3b,3.9
ISCJB X 13 07 00 36.4–.13 23.943N–.01 121.03E–.01 27–1 4.2b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ25.00000°,λ16.00000°. NP2:ϕ_s219.00000°,δ83.00000°,λ114.00000°. $M_0$1.47000×10^{15}
TAP B.
NEIC Event type se.
ISCJB Event type se.
ISC X 13 08 27 51.2–.73 24.04N–.01 121.54E–.02 25–4 3.8b 194 0-49
NIED X 13 08 27 00 24.00N 121.60E 35 4.0W **¶601834005**
JMA X 13 08 27 50.9–.10 24.04N 121.55E 20–2 3.5
IASPE X 13 08 27 51.3–.88 24.04N–.02 121.55E–.02 24–4 3.8b
ISCJB X 13 08 27 51.4–.18 24.05N–.01 121.55E–.01 24–1 3.7b
TAP X 13 08 27 51.1 24.06N 121.50E 24–0 4.3L
IDC X 13 08 28 03.2–6.9 24.03N 121.69E 152–72 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ40.00000°,λ124.00000°. NP2:ϕ_s164.00000°,δ58.00000°,λ65.00000°. $M_0$1.29000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
IASPE Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=112.8. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=29.5.
TAP B.
IDC Error ellipse: s-maj=33.1km s-min=17.8km az=63.0.
ISC X 13 15 47 08.9–1.2 24.22N–.02 122.00E–.02 56–5 214 0-3
ISCJB X 13 15 47 08.9–.25 24.20N–.01 122.03E–.02 54–3 **¶603032471**
TAP X 13 15 47 08.9 24.20N 121.98E 54–0 3.7L
JMA X 13 15 47 08.4–.10 24.14N 121.98E 56–2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=36.1.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 13 18 10 42.8–.87 24.41N–.01 121.49E–.01 6–6 3.4b 193 0-71
IDC X 13 18 10 41.4–1.1 24.38N 121.71E 0 3.6,3.6b **¶601998145**
JMA X 13 18 10 42.5–.20 24.40N 121.41E 2–3 3.4,3.6b
TAP X 13 18 10 42.4 24.40N 121.49E 6–0 3.8L,3.6b
ISCJB X 13 18 10 43.1–.18 24.418N–.01 121.50E–.01 3–2 3.5b,3.6b
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC X 14 09 27 26.7–1.0 24.34N–.02 121.98E–.02 16–8 147 0-3
JMA X 14 09 27 26.6–.20 24.26N 121.90E 46–4 3.2 **¶603032572**
TAP X 14 09 27 26.9 24.35N 121.95E 27–0 3.7L
ISCJB X 14 09 27 27.5–.27 24.32N–.01 122.00E–.02 20–3 3.7L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
TAP X 17 19 30 31.9 23.04N 121.17E 18–1 1.7L
¶603032845
TAP B.
TAP X 17 19 30 35.7 23.42N 120.62E 8–0 1.1L
¶603032848
TAP B.
ISC X 19 19 55 57.5–.85 24.32N–.02 121.74E–.02 29–3 167 0-4
JMA X 19 19 55 56.4–.10 24.28N 121.64E 38–2 3.3 **¶603033073**
ISCJB X 19 19 55 57.3–.20 24.34N–.02 121.77E–.01 28–2 3.3
TAP X 19 19 55 57.1 24.34N 121.71E 31–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=150.4.
TAP B.
ISC X 20 18 31 34.2–.98 23.77N–.02 121.68E–.02 32–3 109 0-3
JMA X 20 18 31 33.6 23.73N 121.70E 34–1 2.6 **¶603033183**
ISCJB X 20 18 31 34.1–.30 23.76N–.02 121.71E–.02 31–2 2.6
TAP X 20 18 31 34.1 23.76N 121.66E 37–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=38.1.
TAP C.
ISC X 21 07 34 07.1–1.1 23.69N–.02 121.88E–.02 19–3 144 0-3
ISCJB X 21 07 34 06.9–.33 23.67N–.01 121.91E–.02 18–3 **¶603033237**
JMA X 21 07 34 06.8–.20 23.70N 121.86E 20–4 2.6
TAP X 21 07 34 07.6 23.70N 121.86E 21–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=42.3.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC X 22 21 33 29.0–.92 23.77N–.02 121.76E–.02 33–6 120 0-3
JMA X 22 21 33 28.5–.10 23.77N 121.73E 41–2 2.2 **¶603033384**
ISCJB X 22 21 33 29.2–.28 23.79N–.01 121.78E–.02 33–2 2.2
TAP X 22 21 33 29.2 23.81N 121.73E 42–0 2.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=40.1.
TAP C.
ISC X 24 03 59 37.7–.78 23.68N–.01 120.91E–.01 17–5 157 0-4
JMA X 24 03 59 36.3–.20 23.68N 120.90E 0 3.5 **¶601848562**
ISCJB X 24 03 59 37.9–.19 23.67N–.01 120.92E–.01 11–1 3.5
TAP X 24 03 59 37.0 23.67N 120.91E 13–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=37.2.
TAP B.
ISC X 24 05 35 49.4–.76 23.57N–.01 120.53E–.01 13–4 140 0-4
JMA X 24 05 35 48.2–.10 23.61N 120.49E 0 3.6 **¶603033465**
TAP X 24 05 35 48.6 23.57N 120.54E 5–0 3.5L
IASPE X 24 05 35 49.3–.78 23.58N–.01 120.52E–.02 12–4 3.5L
ISCJB X 24 05 35 49.9–.19 23.57N–.01 120.52E–.01 12–1 3.5L
ISC Event type ke.
TAP B.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke.
ISC X 25 10 31 20.0–.50 22.45N–.02 120.44E–.02 31–3 5.0b 520 0-170
NIED X 25 10 31 00 22.30N 120.30E 20 5.0W **¶601851715**
IDC X 25 10 31 14.7–.47 22.43N 120.58E 0 4.8,4.7
JMA X 25 10 31 16.1–.10 22.31N 120.33E 52–3 5.1,4.7
TAP X 25 10 31 17.6 22.43N 120.37E 41–0 5.4L,4.7
MOS X 25 10 31 17.6–.95 22.38N 120.48E 30 5.3b,4.7
BJI X 25 10 31 17.5 22.58N 120.35E 7 4.9b,4.7b
ISCJB X 25 10 31 18.8–.16 22.46N–.01 120.42E–.01 36–1 4.9b,4.5s
NEIC X 25 10 31 19.2–1.1 22.42N 120.56E 31–8 5.5L,5.0b
GCMT X 25 10 31 19.2–.40 22.39N–.03 120.50E–.02 30–1 5.1W,5.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ24.00000°,λ-87.00000°. NP2:ϕ_s334.00000°,δ66.00000°,λ-91.00000°. $M_0$3.67000×10^{16}
TAP B.
ISCJB Event type fe.
NEIC Event type fe. Felt at Fengshan, Hengchun, Kaohsiung, Pingtung, Taichung and Tainan. Recorded [5 TAP] in Kaohsiung; [4 TAP] in Tainan; [3 TAP] in Pingtung; [2 TAP] in Changhua, Chiayi, Taitung and Yunlin; [1 TAP] in Hualien, Nantou, Penghu and Taichung.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c25; s59,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.36±.44 $M_{\theta\theta}$-0.71±.24; $M_{\phi\phi}$5.06±.28; $M_{r\theta}$0.58±.34; $M_{\theta\phi}$-0.98±.13; $M_{\phi r}$-2.67±.35; Best double couple: NP1:ϕ_s349.00000°,δ60.00000°,λ-92.00000°. NP2:ϕ_s173.00000°,δ30.00000°,λ-87.00000°. Principal axes: T 5.9450,Plg15.0000° ,Azm80.0000°; N -0.8680,Plg2.0000°,Azm350.0000°; P -5.0860,Plg75.0000°,Azm254.0000° $M_0$5.51600×10^{16}
TAP X 25 10 36 14.1 22.46N 120.39E 34–0 3.2L
¶603033561
TAP B.
TAP X 25 10 36 25.2 22.45N 120.44E 31–0 3.2L
¶603033564
TAP B.
TAP X 25 19 22 56.9 23.51N 120.76E 5–0 2.1L
¶603033756
TAP C.
TAP X 25 19 23 05.2 22.52N 120.41E 28–1 1.4L
¶603033759

TAP B.
ISC X 26 17 32 09.2–.83 24.26N–.02 121.78E–.02 13–6 113 0-4
ISCJB X 26 17 32 09.0–.33 24.26N–.01 121.79E–.02 6–2 **¶603033842**
JMA X 26 17 32 09.1–.10 24.26N 121.77E 10–4 2.4
TAP X 26 17 32 09.1 24.28N 121.75E 15–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=34.4.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
ISC X 28 02 26 23.1–.79 23.18N–.02 121.33E–.02 15–4 126 0-4
JMA X 28 02 26 21.2–.10 23.17N 121.43E 0–1 3.3 **¶603033955**
ISCJB X 28 02 26 22.6–.32 23.16N–.02 121.34E–.02 10–2 3.3
TAP X 28 02 26 22.7 23.19N 121.27E 11–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=43.7.
TAP B.
TAP X 28 02 52 56.0 24.39N 121.49E 6–0 2.1L
¶603033957
TAP B.
ISC X 28 15 13 35.6–.97 23.65N–.02 121.69E–.02 20–8 130 0-3
TAP X 28 15 13 36.2 23.66N 121.64E 45–0 3.0L **¶603033986**
JMA X 28 15 13 36.3–.10 23.68N 121.59E 38–2 2.8
ISCJB X 28 15 13 37.1–.27 23.68N–.01 121.66E–.02 32–1 2.8
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC X 31 16 37 30.1–1.6 25.14N–.05 121.82E–.04 162–8 133 0-7
TAP X 31 16 37 30.6 25.13N 121.84E 161–0 3.4L **¶603034247**
ISCJB X 31 16 37 31.1–.52 25.09N–.03 121.85E–.03 153–3 3.4L
JMA X 31 16 37 31.2–.10 25.02N 121.80E 153–1 2.4
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=145.8.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 31 22 54 01.4–.90 24.37N–.02 121.99E–.02 18–3 113 0-4
ISCJB X 31 22 54 02.0–.25 24.39N–.02 122.01E–.02 22–3 **¶603034284**
JMA X 31 22 54 01.8–.10 24.34N 121.96E 28 2.6
TAP X 31 22 54 01.9 24.41N 121.94E 21–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=151.8.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
TAP XI 03 08 06 30.3 22.46N 120.41E 25–0 3.2L
NEIC XI 03 08 06 29.9–.00 22.37N 120.43E 40 4.5L **¶602051262**
TAP B.
NEIC Event type fe. Recorded [1 TAP] in Kaohsiung. After TAP.
ISC XI 04 17 26 37.2–.98 23.18N–.02 121.48E–.02 15–8 160 0-4
JMA XI 04 17 26 35.8–.20 23.16N 121.58E 3–3 3.1 **¶603034491**
ISCJB XI 04 17 26 38.2–.27 23.18N–.01 121.47E–.02 22–2 3.1
TAP XI 04 17 26 38.4 23.20N 121.39E 18–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=27.6.
TAP C.
ISC XI 05 13 40 29.6–.74 23.77N–.01 121.52E–.02 13–4 4.3b,3.8s 299 0-97
BJI XI 05 13 40 26.7 23.82N 121.51E 5 4.5b,4.5L **¶601874313**
IDC XI 05 13 40 26.4–.64 23.63N 121.76E 0 4.3,4.2
JMA XI 05 13 40 27.9–.20 23.72N 121.63E 0 4.3,4.2
ISCJB XI 05 13 40 29.5–.27 23.754N–.01 121.53E–.01 15–2 4.2b,3.7s
NEIC XI 05 13 40 29.0–.76 23.72N 121.53E 13–4 4.7L,4.6b
TAP XI 05 13 40 29.7 23.78N 121.44E 14–0 4.9L,4.6b
ASIES XI 05 13 40 30.3 23.80N 121.50E 20 4.1W,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=14.5km az=70.0.
JMA Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=40.1.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.3km az=128.0. Felt at Taipei. Recorded [5 TAP] in Hualien, [3 TAP] in Yilan, [2 TAP] in Nantou and [1 TAP] in Changhua, Chiayi, Hsinchu, Miaoli, Taitung, Taoyuan and Yunlin. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}2.79 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.50 $M_{\theta\phi}$-2.15 $M_{\phi r}$-1.07 Best double couple: NP1:ϕ_s208.00000°,δ52.00000°,λ59.00000°. NP2:ϕ_s73.00000°,δ47.00000°,λ124.00000°. Principal axes: T 3.3200,Plg66.0000°,Azm56.0000°; N 0.2800,Plg24.0000°,Azm228.0000°; P -3.6000,Plg3.0000°,Azm320.0000° M_o3.50000×10^{15}
TAP B.
ISC XI 06 16 36 31.8–.75 22.62N–.02 120.91E–.02 13–5 3.7b 165 0-78
NIED XI 06 16 36 00 22.60N 120.90E 5 3.8W **¶601884066**
IDC XI 06 16 36 29.8–.95 22.71N 121.37E 0 3.8,3.7
JMA XI 06 16 36 30.1–.10 22.59N 120.85E 15–2 3.7,3.7
TAP XI 06 16 36 31.7 22.64N 120.87E 8–0 3.9L,3.7
ASIES XI 06 16 36 31.6 22.62N 120.84E 20 3.6W,3.7
ISCJB XI 06 16 36 32.2–.26 22.60N–.02 120.90E–.02 8–2 3.6b,2.7s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ41.00000°,λ-48.00000°. NP2:ϕ_s330.00000°,δ61.00000°,λ-120.00000°. M_o6.07000×10^{14}
TAP B.
ISCJB Event type ke.
ISC XI 07 11 46 22.1–1.0 23.30N–.02 121.76E–.03 25–9 109 0-4
JMA XI 07 11 46 21.9–.10 23.29N 121.74E 42–3 3.7 **¶603034704**
TAP XI 07 11 46 23.1 23.32N 121.72E 27–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC XI 08 00 48 27.4–.89 23.63N–.02 121.59E–.02 28–5 134 0-4
JMA XI 08 00 48 26.5–.20 23.61N 121.65E 17–4 2.8 **¶603034751**
ISCJB XI 08 00 48 27.5–.25 23.64N–.01 121.60E–.02 27–2 2.8
TAP XI 08 00 48 27.4 23.64N 121.55E 28–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=40.0.
TAP B.
ISC XI 10 02 22 31.6–.76 22.58N–.02 121.00E–.02 13–4 3.8b,3.3s 175 0-80
NIED XI 10 02 22 00 22.60N 121.20E 5 4.0W,3.3s **¶601884067**
IDC XI 10 02 22 30.4–.94 22.69N 121.41E 0 4.0,3.8b
TAP XI 10 02 22 31.8 22.64N 120.87E 7–0 4.1L,3.8b
JMA XI 10 02 22 31.0–.10 22.57N 121.22E 0 3.9,3.8b
ASIES XI 10 02 22 31.8 22.64N 120.88E 21 3.6W,3.8b
ISCJB XI 10 02 22 32.4–.25 22.60N–.01 120.88E–.02 3–2 3.7b,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ42.00000°,λ-36.00000°. NP2:ϕ_s313.00000°,δ67.00000°,λ-126.00000°. M_o1.07000×10^{15}
TAP B.
ISCJB Event type ke.
ISC XI 10 04 42 53.9–1.0 23.32N–.02 121.70E–.02 16–8 196 0-4
NIED XI 10 04 42 00 23.30N 121.80E 32 3.6W **¶601884068**
JMA XI 10 04 42 52.9–.20 23.30N 121.81E 0 4.0
ISCJB XI 10 04 42 55.0–.29 23.32N–.01 121.71E–.02 23–2 4.0
TAP XI 10 04 42 56.1 23.34N 121.64E 27–0 4.0L
ASIES XI 10 04 42 56.1 23.32N 121.67E 25 3.3W
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s281.00000°,δ14.00000°,λ178.00000°. NP2:ϕ_s13.00000°,δ90.00000°,λ76.00000°. M_o2.57000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=39.5.
TAP C.
ISC XI 10 13 21 19.7–.87 24.17N–.02 121.78E–.02 13–6 167 0-4
ISCJB XI 10 13 21 19.8–.30 24.18N–.01 121.81E–.02 7–2 **¶603034936**
JMA XI 10 13 21 19.6–.10 24.15N 121.76E 12–2 2.8
TAP XI 10 13 21 19.9 24.20N 121.77E 13–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=26.5.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
TAP XI 10 19 59 32.5 23.24N 120.91E 4–0 1.4L
¶603034967
TAP C.
TAP XI 12 11 22 31.7 25.03N 121.69E 131–0 3.1L
¶603035085
TAP B.
TAP XI 12 11 22 45.6 24.48N 121.68E 16–0 2.2L
¶603035088
TAP A.
ISC XI 12 15 48 38.6–.77 22.87N–.02 120.98E–.02 17–5 166 0-4
JMA XI 12 15 48 36.5–.10 22.77N 121.31E 0 3.0 **¶603035107**
ISCJB XI 12 15 48 38.8–.23 22.88N–.01 120.96E–.01 3–2 3.0
TAP XI 12 15 48 38.2 22.90N 120.93E 7–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=21.6.
TAP C.
ISC XI 12 15 50 31.1–.88 23.98N–.02 121.72E–.02 31–5 135 0-2
JMA XI 12 15 50 30.6–.10 23.97N 121.73E 32–1 2.4 **¶603035111**
ISCJB XI 12 15 50 31.1–.26 23.98N–.01 121.74E–.02 27–2 2.4
TAP XI 12 15 50 31.5 24.01N 121.67E 26–0 2.7L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=28.3.
TAP C.
ISC XI 13 06 11 51.0–.94 24.39N–.01 121.49E–.01 4–7 3.9b 152 0-73
IDC XI 13 06 11 49.7–1.1 24.18N 121.35E 0 3.8,3.8 **¶602347506**
ISCJB XI 13 06 11 51.0–.20 24.41N–.01 121.50E–.01 8–2 3.7b,3.8
JMA XI 13 06 11 50.0–.10 24.38N 121.44E 1–2 3.6,3.8
TAP XI 13 06 11 50.1 24.39N 121.49E 6–0 3.8L,3.8
BJI XI 13 06 11 53.0 24.40N 121.50E 8 3.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=17.9km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=44.2.
TAP C.
TAP XI 13 11 34 13.7 23.50N 120.47E 9–0 1.6L
¶603035208
TAP A.
TAP XI 13 11 34 13.9 23.74N 121.54E 33–0 1.4L
¶603035211
TAP C.
ISC XI 14 10 21 09.6–1.5 23.94N–.02 121.86E–.02 36–1 139 0-2
ISCJB XI 14 10 21 09.0–.26 23.93N–.01 121.88E–.02 45–5 **¶603035343**
JMA XI 14 10 21 08.3 23.90N 121.83E 48–1 2.6
TAP XI 14 10 21 08.4 23.96N 121.85E 53–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=41.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XI 15 22 18 12.9–1.2 24.03N–.02 121.82E–.02 48–5 216 0-4
ISCJB XI 15 22 18 12.7–.23 24.02N–.01 121.83E–.02 53–3 **¶603035458**
TAP XI 15 22 18 13.0 24.04N 121.80E 46–0 3.5L
JMA XI 15 22 18 12.3 23.98N 121.81E 43–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=32.6.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 18 21 08 15.8–1.2 23.47N–.02 121.51E–.03 35 116 0-3
JMA XI 18 21 08 14.1–.10 23.45N 121.46E 46–2 2.7 **¶603035666**
ISCJB XI 18 21 08 15.6–.25 23.48N–.02 121.53E–.02 35 2.7
TAP XI 18 21 08 15.3 23.47N 121.45E 44–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=42.5.
TAP C.
ISC XI 18 22 12 49.2–.84 22.85N–.02 120.87E–.02 12–6 149 0-4
TAP XI 18 22 12 48.6 22.87N 120.85E 5–0 3.5L **¶603035671**
ISCJB XI 18 22 12 49.5–.22 22.84N–.01 120.86E–.01 5–2 3.5L
JMA XI 18 22 12 49.0–.10 22.77N 121.31E 0 3.3
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=168.5.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 19 02 01 27.3–1.3 24.87N–.03 121.70E–.02 58–5 136 0-2
ISCJB XI 19 02 01 26.8–.39 24.87N–.02 121.71E–.02 60–3 **¶603035680**
JMA XI 19 02 01 26.6–.10 24.81N 121.70E 58–1 2.7
TAP XI 19 02 01 26.9 24.86N 121.68E 57–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=142.0.
TAP A.
ISC XI 19 22 01 51.5–.91 23.98N–.02 121.83E–.02 27–6 160 0-4
JMA XI 19 22 01 50.7–.10 23.95N 121.84E 24–3 3.1 **¶603035733**
ISCJB XI 19 22 01 51.3–.25 23.98N–.01 121.87E–.02 25–2 3.1
TAP XI 19 22 01 51.7 24.01N 121.79E 31–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=138.3.
TAP B.
TAP XI 20 20 19 18.6 23.52N 120.48E 13–0 1.5L
¶603035781
TAP A.
TAP XI 20 20 19 26.7 23.52N 120.49E 15–0 1.6L
¶603035784
TAP A.
ISC XI 23 10 33 14.4–1.1 23.35N–.03 121.98E–.02 24–12 114 1-3
JMA XI 23 10 33 14.4–.10 23.40N 122.02E 12 3.0 **¶603035942**
TAP XI 23 10 33 15.7 23.35N 121.97E 28–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XI 23 22 03 47.8–.94 23.81N–.02 121.84E–.02 32–9 179 0-4
ISCJB XI 23 22 03 47.5–.29 23.81N–.01 121.89E–.01 26–2 **¶601994015**
JMA XI 23 22 03 47.3–.10 23.80N 121.85E 27–4 3.6
TAP XI 23 22 03 48.3 23.83N 121.82E 36–0 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=140.7.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
TAP XI 24 20 34 53.5 23.26N 121.02E 8–1 1.8L
¶603036108
TAP A.
ISC XI 25 14 37 18.1–.79 22.89N–.02 120.61E–.02 15–5 160 0-4
JMA XI 25 14 37 15.6–.20 22.80N 120.59E 0 3.5 **¶603036162**
TAP XI 25 14 37 17.4 22.91N 120.62E 11–0 3.5L
ISCJB XI 25 14 37 18.3–.24 22.86N–.01 120.60E–.02 11–1 3.5L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC XI 26 02 59 11.5–1.1 23.70N–.02 121.98E–.02 14–8 3.4b 197 0-45
NIED XI 26 02 59 00 23.70N 122.00E 32 3.6W **¶601994480**
IDC XI 26 02 59 11.1–2.0 23.88N 121.78E 0 3.7,3.6
ISCJB XI 26 02 59 12.0–.29 23.70N–.01 122.02E–.01 20–2 3.4b,3.6
JMA XI 26 02 59 12.1–.20 23.72N 121.97E 17–3 3.6,3.6
TAP XI 26 02 59 13.5 23.73N 121.95E 34–0 3.8L,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ61.00000°,λ12.00000°. NP2:ϕ_s42.00000°,δ79.00000°,λ150.00000°. M_o3.05000×10^{14}
IDC Error ellipse: s-maj=159.4km s-min=25.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=44.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP B.
TAP XI 26 15 13 03.4 23.18N 121.26E 22–0 1.3L

¶603036228

TAP A.
ISC XI 26 17 36 08.7–.88 23.94N–.02 121.66E–.02 28–5 169 0-3
JMA XI 26 17 36 07.6–.10 23.92N 121.66E 27–2 **¶603036235**
ISCJB XI 26 17 36 08.4–.23 23.94N–.01 121.68E–.02 26–2
TAP XI 26 17 36 08.2 23.94N 121.64E 30–0 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=32.8.
TAP B.
TAP XI 27 01 57 24.0 24.55N 121.09E 13–0 2.0L

¶603036255

TAP B.
TAP XI 27 01 57 27.2 24.54N 121.05E 8–1 2.1L

¶603036258

TAP B.
ISC XI 27 15 52 41.6–.96 23.19N–.03 121.61E–.02 32–8 115 0-4
JMA XI 27 15 52 40.8–.20 23.16N 121.65E 32–4 3.2 **¶601994850**
ISCJB XI 27 15 52 41.3–.33 23.18N–.02 121.66E–.02 28–2 3.2
TAP XI 27 15 52 41.4 23.20N 121.63E 30–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=162.5.
TAP D.
ISC XI 28 19 43 51.8–.69 23.41N–.01 120.63E–.01 17–4 3.4b 220 0-45
NIED XI 28 19 43 00 23.40N 120.60E 17 3.8W **¶601995097**
IDC XI 28 19 43 47.1–1.6 23.66N 121.60E 0 3.6,3.5
BJI XI 28 19 43 48.0 23.42N 120.63E 9 3.4L,3.5
JMA XI 28 19 43 51.2–.10 23.42N 120.63E 6–1 3.9,3.5
TAP XI 28 19 43 51.2 23.39N 120.65E 11–0 4.0L,3.5
ASIES XI 28 19 43 51.8 23.39N 120.65E 14 3.4W,3.5
IASPE XI 28 19 43 51.5–.77 23.41N–.01 120.63E–.02 13–4 3.4b,3.5
ISCJB XI 28 19 43 52.2–.14 23.391N–.01 120.62E–.01 19–1 3.4b,2.3s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ83.00000°,λ-3.00000°. NP2:ϕ_s40.00000°,δ87.00000°,λ-173.00000°. $M_0$4.78000×10^{14}
TAP B.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke.
TAP XII 01 08 52 20.3 23.73N 121.46E 15–0 1.8L

¶603036550

TAP C.
TAP XII 01 08 52 32.0 24.48N 121.69E 14–1 1.1L

¶603036553

TAP C.
TAP XII 01 16 50 23.2 24.40N 121.49E 5–0 1.4L

¶603036593

TAP C.
TAP XII 01 16 50 27.4 24.40N 121.47E 12–0 1.6L

¶603036596

TAP B.
ISC XII 02 17 45 37.9–.65 23.96N–.01 121.62E–.02 10–3 4.6b,4.0s 463 0-168
NIED XII 02 17 45 00 24.00N 121.60E 5 4.9W,4.0s **¶601995847**
IDC XII 02 17 45 35.5–.54 23.96N 121.63E 0 4.5,4.4
ISCJB XII 02 17 45 36.5–.23 23.955N–.01 121.65E–.01 7–1 4.5b,4.1s
JMA XII 02 17 45 36.0–.20 23.95N 121.61E 2–3 4.8,4.1s
TAP XII 02 17 45 36.9 23.98N 121.58E 12–0 5.0L,4.1s
GCMT XII 02 17 45 37.2–.30 23.96N–.02 121.57E–.03 19–0 4.9W,4.1s
MOS XII 02 17 45 37.1–1.2 23.93N 121.65E 20 4.8b,4.1s
BJI XII 02 17 45 37.5 24.12N 121.61E 8 5.0b,4.9L
NEIC XII 02 17 45 37.2–.23 23.91N 121.63E 10 5.1L,5.0b
ASIES XII 02 17 45 38.7 23.97N 121.55E 16 4.4W,5.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ30.00000°,λ58.00000°. NP2:ϕ_s62.00000°,δ65.00000°,λ107.00000°. $M_0$2.40000×10^{16}
IDC Error ellipse: s-maj=15.6km s-min=13.7km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=31.1.
TAP B.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c45; s78,c110;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.23±.15 $M_{\theta\theta}$-1.14±.09; $M_{\phi\phi}$-1.09±.10; $M_{r\theta}$0.90±.18; $M_{\theta\phi}$-1.19±.05; $M_{\phi r}$-0.55±.19; Best double couple: NP1:ϕ_s66.00000°,δ52.00000°,λ118.00000°. NP2:ϕ_s206.00000°,δ46.00000°,λ59.00000°. Principal axes: T 2.6500,Plg68.0000° ,Azm38.0000°; N -0.3290,Plg22.0000°,Azm229.0000°; P -2.3210,Plg4.0000°,Azm137.0000° $M_0$2.48600×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=6.5km az=114.1.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=122.0. Recorded [5 TAP] in Hualien; [3 TAP] in Nantou; [2 TAP] in Yilan and Yunlin; [1 TAP] in Changhua, Hsinchu and Taitung.
ISC XII 02 19 43 31.7–.59 23.95N–.01 121.63E–.02 12–3 4.4b,4.0s 408 0-99
NIED XII 02 19 43 00 23.90N 121.60E 5 4.5W,4.0s **¶601995857**
IDC XII 02 19 43 29.4–.40 23.95N 121.73E 0 4.4,4.3
JMA XII 02 19 43 29.4–.10 23.94N 121.62E 0 4.5,4.3
BJI XII 02 19 43 29.4 23.92N 121.61E 8 4.7b,4.6b
NEIC XII 02 19 43 30.4–.66 23.92N 121.68E 6–4 4.9b,4.7L
ISCJB XII 02 19 43 30.4–.23 23.943N–.01 121.65E–.01 9–1 4.4b,3.9s
MOS XII 02 19 43 30.2–1.2 23.89N 121.67E 18 4.6b,3.9s
TAP XII 02 19 43 31.0 23.97N 121.56E 12–0 4.8L,3.9s
ASIES XII 02 19 43 33.2 23.96N 121.54E 16 4.0W,3.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ36.00000°,λ46.00000°. NP2:ϕ_s64.00000°,δ65.00000°,λ117.00000°. $M_0$6.97000×10^{15}
IDC Error ellipse: s-maj=13.0km s-min=9.9km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=104.0. Felt at Hualien. Recorded [5 TAP] in Hualien; [3 TAP] in Nantou; [2 TAP] in Taichung and Yilan; [1 TAP] in Changhua, Hsinchu and Yunlin.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=31.0.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=102.7.
TAP B.
ISC XII 03 11 37 42.9–1.3 24.54N–.03 121.79E–.03 66–6 104 0-3
JMA XII 03 11 37 41.9–.20 24.51N 121.77E 66–3 2.5 **¶603036788**
ISCJB XII 03 11 37 42.3–.41 24.55N–.02 121.80E–.02 69–4 2.5
TAP XII 03 11 37 42.1 24.52N 121.78E 67–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=135.8.
TAP B.
ISC XII 05 08 45 41.5–.74 23.78N–.01 121.52E–.02 14–4 3.6b 192 0-83
IDC XII 05 08 45 39.0–.87 23.66N 121.67E 0 3.8,3.7 **¶601996074**
ISCJB XII 05 08 45 41.4–.25 23.78N–.01 121.54E–.01 11–1 3.6b,3.7
JMA XII 05 08 45 41.2–.10 23.78N 121.52E 11–3 3.8,3.7
ASIES XII 05 08 45 41.6 23.79N 121.46E 19 3.5W,3.7
TAP XII 05 08 45 41.6 23.80N 121.48E 11–0 4.2L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=19.6km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=34.4.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
TAP B.
ISC XII 06 16 48 14.8–.69 23.81N–.02 121.62E–.02 30–4 3.7b 215 0-83
NIED XII 06 16 48 00 23.80N 121.60E 26 3.9W **¶602032982**
JMA XII 06 16 48 13.8–.10 23.79N 121.61E 23–2 3.8
BJI XII 06 16 48 13.8 23.88N 121.50E 8 3.6L
ISCJB XII 06 16 48 14.2–.22 23.80N–.01 121.66E–.01 27–1 3.7b,2.7s
TAP XII 06 16 48 14.6 23.83N 121.59E 28–0 4.3L,2.7s
IDC XII 06 16 48 17.2–3.5 23.72N 121.78E 60–34 3.7,3.6L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ46.00000°,λ148.00000°. NP2:ϕ_s4.00000°,δ67.00000°,λ48.00000°. $M_0$7.12000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=137.2.
TAP B.
IDC Error ellipse: s-maj=22.5km s-min=15.9km az=75.0.
ISC XII 06 18 56 40.7–.88 23.57N–.02 121.57E–.02 32–5 209 0-4
ISCJB XII 06 18 56 40.6–.24 23.56N–.01 121.59E–.01 29–1 **¶602032994**
JMA XII 06 18 56 40.3–.10 23.59N 121.55E 21–3 3.6
TAP XII 06 18 56 40.7 23.56N 121.53E 34–0 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=40.3.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
ISC XII 07 18 48 19.0–1.1 23.69N–.02 121.94E–.02 18–3 132 0-3
ISCJB XII 07 18 48 19.8–.38 23.68N–.02 121.99E–.02 18–3 **¶603037114**
JMA XII 07 18 48 20.1–.20 23.70N 121.91E 24–4 3.1
TAP XII 07 18 48 21.2 23.72N 121.90E 25–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=42.7.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC XII 11 10 32 04.7–.58 24.04N–.02 121.66E–.02 29–3 4.1b,3.7s 314 0-96
NIED XII 11 10 32 00 24.00N 121.60E 20 4.5W,3.7s **¶602035445**
BJI XII 11 10 32 02.8 24.06N 121.64E 22 4.5b,4.4L
JMA XII 11 10 32 03.4–.10 24.00N 121.63E 22–1 4.0,4.4L
ISCJB XII 11 10 32 04.3–.19 24.05N–.01 121.70E–.01 29–1 4.0b,3.6s
NEIC XII 11 10 32 04.0–.51 24.00N 121.65E 25–3 4.4W,4.4b
TAP XII 11 10 32 04.4 24.06N 121.65E 28–0 4.8L,4.4b
ASIES XII 11 10 32 05.9 24.08N 121.62E 25 4.0W,4.4b
IDC XII 11 10 32 05.0–6.2 24.02N 121.68E 33–49 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ46.00000°,λ139.00000°. NP2:ϕ_s28.00000°,δ62.00000°,λ52.00000°. $M_0$5.69000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.0km s-min=1.5km az=38.4.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=111.0. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}1.69 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$0.36 $M_{r\theta}$0.53 $M_{\theta\phi}$-3.20 $M_{\phi r}$2.07 Best double couple: NP1:ϕ_s276.00000°,δ51.00000°,λ160.00000°. NP2:ϕ_s19.00000° ,δ75.00000°,λ40.00000°. Principal axes: T 3.7200,Plg39.0000°,Azm245.0000° ; N 0.9700,Plg47.0000°,Azm36.0000°; P -4.6900,Plg15.0000°,Azm142.0000° $M_0$4.30000×10^{15}
TAP B.
IDC Error ellipse: s-maj=19.1km s-min=14.3km az=71.0.
TAP XII 11 17 12 26.1 22.02N 120.46E 47–0 3.5L

¶603037433

TAP C.
ISC XII 13 11 26 39.1–.81 24.00N–.01 121.06E–.01 19–1 197 0-3
JMA XII 13 11 26 38.0–.10 23.99N 121.06E 0 3.2 **¶603037577**
TAP XII 13 11 26 38.6 23.99N 121.03E 15–0 3.8L
ISCJB XII 13 11 26 39.7–.14 23.990N–.01 121.05E–.01 19–2 3.8L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC XII 15 17 15 13.7–1.1 23.55N–.02 121.89E–.02 13–8 107 0-3
ISCJB XII 15 17 15 13.9–.61 23.55N–.02 121.91E–.01 13–4 **¶603037721**
JMA XII 15 17 15 14.8–.20 23.58N 121.84E 26–4 2.2
TAP XII 15 17 15 15.0 23.58N 121.85E 20–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=144.6.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
TAP XII 17 02 57 26.5 23.93N 121.61E 10–0 1.8L

¶603037819

TAP C.
TAP XII 17 02 57 33.2 24.11N 121.54E 19–0 1.8L

¶603037822

TAP A.
ISC XII 18 09 47 54.6–.96 23.96N–.02 121.63E–.02 33–2 115 0-3
JMA XII 18 09 47 53.3 23.93N 121.59E 42–1 3.1 **¶603038004**
ISCJB XII 18 09 47 54.2–.24 23.96N–.02 121.65E–.02 39–4 3.1
TAP XII 18 09 47 54.0 23.98N 121.60E 43–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=39.6.
TAP B.
ISC XII 21 07 21 06.0–1.3 24.81N–.04 121.95E–.03 100–6 124 0-4
ISCJB XII 21 07 21 05.5–.43 24.81N–.02 121.94E–.02 103–3 **¶603038228**
TAP XII 21 07 21 05.2 24.81N 122.00E 107–0 3.5L
JMA XII 21 07 21 06.0–.20 24.71N 121.94E 96–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=154.9.
TAP B.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XII 21 21 51 56.2–.86 24.28N–.02 121.82E–.02 13–6 102 0-4
ISCJB XII 21 21 51 56.7–.33 24.31N–.01 121.83E–.02 8–2 **¶603038291**
JMA XII 21 21 51 56.5–.10 24.25N 121.77E 21–2 2.2
TAP XII 21 21 51 56.4 24.31N 121.82E 14–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=33.8.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP B.
TAP XII 22 07 42 30.8 23.18N 120.99E 7–0 3.5L

¶603038340

TAP B.
ISC XII 23 06 13 05.8–.84 24.31N–.01 121.47E–.01 6–5 4.5b 361 0-148
NIED XII 23 06 13 00 24.30N 121.40E 8 4.4W **¶602056610**
JMA XII 23 06 13 04.0–.20 24.32N 121.42E 1–2 4.5
TAP XII 23 06 13 04.2 24.32N 121.46E 5–0 4.6L
ISCJB XII 23 06 13 05.1–.18 24.335N–.01 121.47E–.01 8–1 4.4b,3.5s
NEIC XII 23 06 13 05.3–.55 24.26N 121.47E 5–3 4.6b,4.3L
BJI XII 23 06 13 05.5 24.26N 121.41E 5 4.7b,4.4L
MOS XII 23 06 13 06.8–1.1 24.23N 121.49E 28 4.8b,4.4L
IDC XII 23 06 13 11.2–3.2 24.23N 121.61E 57–29 4.2,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ37.00000°,λ-29.00000°. NP2:ϕ_s314.00000°,δ73.00000°,λ-124.00000°. $M_0$4.38000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=27.6.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.8km az=100.0. Felt at Shulin and Taipei.
MOS Error ellipse: s-maj=11.4km s-min=7.4km az=120.1.
IDC Error ellipse: s-maj=17.9km s-min=14.4km az=63.0.
ISC XII 23 14 37 44.0–.89 24.32N–.01 121.47E–.01 6–6 3.7b 179 0-73
IDC XII 23 14 37 43.1–1.1 24.05N 121.15E 0 3.7,3.7 **¶602391928**
JMA XII 23 14 37 43.0–.10 24.30N 121.41E 0 3.5,3.7
TAP XII 23 14 37 43.5 24.32N 121.45E 6–0 3.9L,3.7
ISCJB XII 23 14 37 44.2–.19 24.327N–.01 121.47E–.01 4–2 3.6b,3.7
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC XII 24 15 48 06.8–1.0 23.62N–.02 121.96E–.03 27–10 117 0-3
ISCJB XII 24 15 48 06.3–.35 23.60N–.01 121.99E–.02 22–2 **¶603038577**
JMA XII 24 15 48 07.1–.10 23.65N 121.95E 29–4 2.6
TAP XII 24 15 48 07.7 23.63N 121.92E 25–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=37.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XII 25 04 14 29.9–.96 23.24N–.02 121.62E–.02 30–9 131 0-4
ISCJB XII 25 04 14 29.7–.31 23.23N–.01 121.65E–.02 27–2 **¶603038621**
JMA XII 25 04 14 29.4–.10 23.22N 121.63E 33–3 3.0
TAP XII 25 04 14 29.8 23.24N 121.63E 30–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=42.4.

JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
TAP C.
ISC XII 26 10 53 11.0–1.2 23.92N–.02 121.71E–.02 47–6 151 0-4
JMA XII 26 10 53 09.7–.10 23.87N 121.68E 50–2 3.4 **¶603038704**
ISCJB XII 26 10 53 10.4–.26 23.93N–.02 121.72E–.02 56–4 3.4
TAP XII 26 10 53 10.5 23.92N 121.68E 51–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=138.4.
TAP B.
TAP XII 27 18 08 52.2 23.12N 120.74E 5–0 0.6L
¶603038853
TAP C.
TAP XII 27 18 08 54.8 23.11N 120.77E 4–0 0.7L
¶603038856
TAP C.
TAP XII 29 06 51 47.6 24.92N 121.62E 81–0 3.5L
¶603039026
TAP B.
ISC XII 29 11 06 26.6–.70 24.23N–.02 121.94E–.02 55–5 3.7b 245 0-83
NIED XII 29 11 06 00 24.20N 121.90E 53 3.9W **¶602068328**
JMA XII 29 11 06 26.8–.10 24.19N 121.89E 50–1 4.0
ISCJB XII 29 11 06 26.7–.18 24.24N–.01 121.95E–.01 66–2 3.6b
NEIC XII 29 11 06 26.9–.41 24.22N 121.95E 57–5 4.5L
TAP XII 29 11 06 27.4 24.23N 121.89E 53–0 4.5L
IDC XII 29 11 06 28.8–3.7 24.28N 122.13E 77–34 3.8,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ34.00000°,λ132.00000°. NP2:ϕ_s169.00000°,δ66.00000°,λ66.00000°. $M_0$7.90000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=145.6.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=6.3km az=135.0. Recorded [3 TAP] in Hualien; [2 TAP] in Nantou, Taichung and Yilan; [1 TAP] in Changua, Hsinchu and Yunlin.
TAP B.
IDC Error ellipse: s-maj=23.9km s-min=16.4km az=71.0.
ISC XII 30 16 03 26.8–.71 23.47N–.01 120.93E–.01 4–4 4.7b,4.5s 525 0-149
NIED XII 30 16 03 00 23.50N 120.90E 38 5.1W,4.5s **¶602064941**
JMA XII 30 16 03 24.7–.10 23.50N 120.90E 0 4.8,4.5s
BJI XII 30 16 03 24.5 23.44N 120.97E 5 5.3L,5.1b
ASIES XII 30 16 03 25.8 23.46N 120.93E 22 4.5W,5.1b
TAP XII 30 16 03 25.8 23.47N 120.91E 4–0 5.3L,5.1b
IDC XII 30 16 03 25.8–.48 23.38N 121.04E 0 4.5,4.4
NEIC XII 30 16 03 26.2–.60 23.44N 120.95E 3–4 4.8W,4.8b
ISCJB XII 30 16 03 26.6–.17 23.436N–.01 120.922E–.01 10–1 4.6b,4.5s
IASPE XII 30 16 03 26.7–.84 23.47N–.01 120.93E–.01 5–5 4.7b,4.5s
MOS XII 30 16 03 26.8–1.0 23.44N 121.11E 24 5.0b,4.7s
GCMT XII 30 16 03 27.2–.30 23.50N–.01 120.86E–.02 14–1 4.9W,4.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ53.00000°,λ-9.00000°. NP2:ϕ_s255.00000°,δ83.00000°,λ-143.00000°. $M_0$4.28000×10^{16}
TAP B.
NEIC Event type fe. Felt at Changhua, Taichung, Tainan and Taipei. Recorded [4 TAP] in Chiayi; [3 TAP] in Changhua, Nantou, Taitung and Yunlin; [2 TAP] in Hualien; [1 TAP] in Miaoli, Hsinchu and Pingtung. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.77 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.79 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s260.00000° ,δ74.00000°,λ-153.00000°. NP2:ϕ_s162.00000°,δ64.00000°,λ-18.00000°. Principal axes: T 2.4600,Plg6.0000°,Azm29.0000°; N -0.3800,Plg59.0000°,Azm288.0000° ; P -2.0800,Plg30.0000°,Azm123.0000° $M_0$2.30000×10^{16}
ISCJB Event type fe.
IASPE Event type fe. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c19; s76,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.11 $M_{\theta\theta}$1.81±.10; $M_{\phi\phi}$-1.13±.10; $M_{r\theta}$-0.27±.19; $M_{\theta\phi}$-2.02±.08; $M_{\phi r}$-0.93±.24; Best double couple: NP1:ϕ_s339.00000°,δ74.00000°,λ-21.00000°. NP2:ϕ_s75.00000°,δ70.00000°,λ-163.00000°. Principal axes: T 2.8470,Plg3.0000° ,Azm28.0000°; N -0.2260,Plg64.0000°,Azm124.0000°; P -2.6240,Plg26.0000° ,Azm296.0000° $M_0$2.73600×10^{16}
TAP XII 30 16 20 58.4 23.47N 120.91E 5–0 1.6L
¶602071198
TAP B.
ISC XII 30 16 21 33.7–.80 23.47N–.01 120.91E–.01 5–5 3.6b 188 0-49
JMA XII 30 16 21 32.4–.10 23.49N 120.89E 0 3.7 **¶603039229**
IDC XII 30 16 21 32.7–1.2 23.23N 120.95E 0 3.6,3.5
IASPE XII 30 16 21 33.8–.84 23.48N–.01 120.91E–.01 6–6 3.6b,3.5
BJI XII 30 16 21 33.1 23.38N 120.95E 10 3.7L,3.5
TAP XII 30 16 21 33.3 23.47N 120.90E 4–0 4.1L,3.5
ISCJB XII 30 16 21 34.3–.18 23.46N–.01 120.93E–.01 8–1 3.4b,3.5
ISC Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
TAP B.
ISCJB Event type ke.
ISC XII 31 07 51 42.9–.84 23.45N–.01 120.93E–.01 4–5 4.1b 245 0-84
NIED XII 31 07 51 00 23.50N 120.90E 35 4.4W **¶602071225**
JMA XII 31 07 51 41.8–.20 23.49N 120.89E 1–2 4.0
BJI XII 31 07 51 41.5 23.38N 120.96E 15 4.4b,4.3L
IASPE XII 31 07 51 42.9–.84 23.47N–.01 120.92E–.01 6–5 4.1b,4.3L
IDC XII 31 07 51 42.3–.79 23.38N 121.04E 0 3.9,3.8
TAP XII 31 07 51 42.3 23.46N 120.90E 4–0 4.4L,3.8
NEIC XII 31 07 51 43.7–.38 23.44N 121.01E 10 4.5b,3.8
ISCJB XII 31 07 51 43.1–.18 23.450N–.01 120.93E–.01 9–1 4.1b,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s146.00000°,δ23.00000°,λ-19.00000°. NP2:ϕ_s253.00000°,δ83.00000°,λ-112.00000°. $M_0$4.20000×10^{15}
IASPE Event type se. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
TAP B.
NEIC Event type se.
ISCJB Event type se.
ISC XII 31 21 07 57.3–.81 22.63N–.02 120.82E–.02 52–5 3.3b 159 0-85
IDC XII 31 21 07 50.4–1.2 22.70N 121.45E 0 3.6,3.4 **¶603039476**
ISCJB XII 31 21 07 56.8–.26 22.62N–.02 120.84E–.02 58–2 3.4b,3.4
TAP XII 31 21 07 57.5 22.66N 120.81E 42–0 3.9L,3.4
JMA XII 31 21 07 59.1–.30 22.68N 121.06E 37–2 3.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=23.9km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=18.4.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.

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ISC VII 09 22 03 10.0–.74 25.87N–.08 123.90E–.06 180–9 3.5b 58 1-94
NIED VII 09 22 03 00 25.70N 123.90E 175 4.0W **¶601664354**
ISCJB VII 09 22 03 09.4–.35 25.78N–.07 123.95E–.05 189–6 3.5b
IDC VII 09 22 03 09.7–2.5 25.76N 123.84E 177–24 3.8,3.4
JMA VII 09 22 03 12.2–.20 25.68N 123.92E 178 4.0,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ40.00000°,λ-123.00000°. NP2:ϕ_s129.00000°,δ57.00000°,λ-65.00000°. $M_0$9.78000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=4.6km az=148.9.
IDC Error ellipse: s-maj=24.5km s-min=12.2km az=58.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VII 16 09 10 25.1–.71 25.83N–.08 124.51E–.06 156–9 3.8b 53 1-78
NIED VII 16 09 10 00 25.80N 124.50E 41 4.1W **¶601664667**
ISCJB VII 16 09 10 24.2–.32 25.80N–.06 124.53E–.05 162–5 3.6b
IDC VII 16 09 10 24.0–2.6 25.83N 124.54E 145–27 4.0,3.6
JMA VII 16 09 10 26.3–.20 25.77N 124.48E 151 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ4.00000°,λ-57.00000°. NP2:ϕ_s17.00000°,δ87.00000°,λ-92.00000°. $M_0$1.63000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.3km az=148.6.
IDC Error ellipse: s-maj=26.0km s-min=13.4km az=65.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VII 19 02 50 05.4–.99 25.3N–.10 123.02E–.08 179–10 29 1-46
IDC VII 19 02 49 48.6–1.6 24.69N 122.08E 0 3.8,3.8 **¶601664815**
ISCJB VII 19 02 50 05.8–.72 25.17N–.09 123.07E–.07 184–7 3.4b,3.8
JMA VII 19 02 50 07.5–.20 25.13N 123.06E 176–3 3.5,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=29.8km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.6km az=158.4.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
JMA VII 25 14 59 32.2–.30 25.02N 123.41E 23 2.3
¶603646128
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA VII 26 03 47 45.8–.30 25.01N 123.41E 19 3.3
IDC VII 26 03 48 08.6–1.5 24.65N 122.69E 0 3.8,3.7b **¶601666453**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=66.9km s-min=24.2km az=67.0.
ISC VII 26 08 33 40.2–.47 25.44N–.05 124.47E–.03 119–4 4.6b 238 1-96
NIED VII 26 08 33 00 25.30N 124.50E 74 4.2W **¶601472514**
BJI VII 26 08 33 36.1 25.13N 124.80E 121 4.6b,4.5b
IDC VII 26 08 33 39.9–2.3 25.53N 124.48E 114–20 4.4,4.1
ISCJB VII 26 08 33 39.4–.18 25.37N–.03 124.48E–.02 126–2 4.5b,4.1
NEIC VII 26 08 33 40.6–.37 25.41N 124.45E 121–3 4.7b,4.1
MOS VII 26 08 33 40.6–1.1 25.44N 124.39E 136 4.3b,4.1
JMA VII 26 08 33 41.0–.20 25.30N 124.47E 119–4 4.2,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ47.00000°,λ-170.00000°. NP2:ϕ_s50.00000°,δ83.00000°,λ-43.00000°. $M_0$2.25000×10^{15}
IDC Error ellipse: s-maj=13.9km s-min=11.4km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=161.1.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=140.0.
MOS Error ellipse: s-maj=9.6km s-min=5.8km az=92.7.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
JMA VIII 14 01 27 38.9–.20 25.93N 124.98E 118 3.5
¶606011780
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 15 10 50 28.6–.74 25.35N–.08 124.48E–.05 115–8 3.8b 39 1-81
IDC VIII 15 10 50 26.9–3.1 25.41N 124.46E 98–30 3.9,3.7 **¶601765884**
ISCJB VIII 15 10 50 27.5–.40 25.33N–.07 124.47E–.05 121–5 3.8b,3.7
JMA VIII 15 10 50 29.1–.20 25.32N 124.45E 109–4 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=15.5km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.7km az=157.4.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC VIII 18 21 12 57.8–1.0 25.8N–.20 123.2E–.10 198–19 3.2b 31 1-78
ISCJB VIII 18 21 12 57.5–.64 25.6N–.20 123.22E–.10 210–16 3.2b **¶601766107**
JMA VIII 18 21 13 00.1–.20 25.46N 123.23E 201–4 3.3
IDC VIII 18 21 13 04.9–6.8 27.03N 123.71E 221–66 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.1km s-min=8.7km az=159.5.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=271.4km s-min=55.9km az=7.0.
JMA VIII 19 09 58 00.2–.20 25.32N 124.92E 0 3.5
NIED VIII 19 09 58 00 25.30N 124.90E 5 3.6W **¶603659862**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s95.00000°,δ27.00000°,λ-52.00000°. NP2:ϕ_s233.00000°,δ69.00000°,λ-107.00000°. $M_0$3.16000×10^{14}
ISC VIII 19 10 01 44.3–2.1 25.30N–.07 124.95E–.04 6–14 3.7b 21 0-49
NIED VIII 19 10 01 00 25.30N 124.90E 5 3.9W **¶606015376**
IDC VIII 19 10 01 43.5–1.4 25.26N 124.99E 0 3.7,3.6
JMA VIII 19 10 01 44.9–.20 25.35N 124.93E 10–5 3.8,3.6
ISCJB VIII 19 10 01 45.1–1.3 25.35N–.07 124.98E–.05 24–10 3.6b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ26.00000°,λ-80.00000°. NP2:ϕ_s233.00000°,δ64.00000°,λ-95.00000°. $M_0$7.51000×10^{14}
ISCJB Event type ke.
JMA VIII 29 05 58 42.9–.30 26.36N 124.36E 193 3.5
¶606020948
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
JMA VIII 29 12 18 21.2–.30 25.69N 123.28E 215–5 3.5
¶606021052
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
JMA IX 06 16 14 13.0–.20 25.75N 123.90E 183 3.6
¶606025787
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC IX 08 16 23 21.0–7.5 25.17N 124.03E 0 3.5,3.3
¶601863177
IDC Error ellipse: s-maj=463.8km s-min=27.1km az=60.0.
ISC IX 11 21 57 35.5–.64 25.59N–.08 123.42E–.06 205–7 3.8b 53 1-94
NIED IX 11 21 57 00 25.30N 123.40E 220 3.8W **¶601863379**
BJI IX 11 21 57 31.3 25.37N 123.50E 198 4.3b,4.2b
IDC IX 11 21 57 33.7–2.5 25.56N 123.29E 188–24 4.2,3.8
ISCJB IX 11 21 57 34.4–.34 25.55N–.06 123.42E–.06 208–4 3.8b,3.8
JMA IX 11 21 57 36.8–.20 25.33N 123.39E 206–3 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ46.00000°,λ-111.00000°. NP2:ϕ_s14.00000°,δ48.00000°,λ-70.00000°. $M_0$6.18000×10^{14}
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.9km az=149.5.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC IX 12 10 05 58.6–2.4 25.0N–.10 123.26E–.08 32 13 1-49
JMA IX 12 10 05 55.6–.40 25.11N 123.32E 14 2.7 **¶601863409**
IDC IX 12 10 06 01.5–6.9 24.09N 122.76E 0 3.8,3.6b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=344.7km s-min=41.6km az=96.0.
ISC IX 15 00 14 54.2–.46 26.19N–.06 123.87E–.04 271–5 4.2b 157 2-93
MOS IX 15 00 14 53.0–.98 26.15N 123.75E 271 4.6b **¶601717567**
ISCJB IX 15 00 14 53.2–.18 26.14N–.04 123.88E–.04 273–3 4.1b
BJI IX 15 00 14 53.6 26.12N 123.89E 287 4.5b,4.5b
NEIC IX 15 00 14 55.1–.48 26.16N 123.79E 279–5 4.3b,4.5b
IDC IX 15 00 14 55.0–.70 26.20N 123.79E 276–7 4.5,3.9
JMA IX 15 00 14 56.2–.30 26.30N 123.77E 236 4.6,3.9
ISC Event type se.
MOS Error ellipse: s-maj=11.2km s-min=6.9km az=93.2.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=152.0.
IDC Error ellipse: s-maj=10.3km s-min=9.3km az=102.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC IX 16 13 46 05.2–.93 26.33N–.10 124.42E–.08 224–11 3.0b 43 2-51
IDC IX 16 13 45 44.8–1.4 25.49N 122.94E 0 3.8L,3.6 **¶601863654**
ISCJB IX 16 13 46 05.3–.66 26.20N–.08 124.54E–.07 226–6 2.9b,3.6
JMA IX 16 13 46 06.7–.40 26.40N 124.26E 198 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=66.4km s-min=25.5km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=4.6km az=142.3.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC IX 20 10 00 36.2–1.5 25.02N–.06 123.39E–.04 14–10 3.8b,3.6s 26 1-78
ISCJB IX 20 10 00 35.9–1.3 25.08N–.08 123.36E–.04 19–11 3.8b,3.5s **¶601863883**
JMA IX 20 10 00 35.8–.20 25.08N 123.38E 16 3.3,3.5s
IDC IX 20 10 00 48.4–6.7 24.94N 122.99E 111–69 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.9km az=172.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=35.7km s-min=15.1km az=64.0.
ISC IX 20 11 59 45.9–3.7 25.01N–.07 123.42E–.05 3–24 3.7b,3.6s 21 1-75
ISCJB IX 20 11 59 46.3–2.4 25.10N–.04 123.39E–.05 12–16 3.6b,3.6s **¶601863889**

JMA IX 20 11 59 46.5–.20 25.11N 123.38E 21 3.2,3.6s
IDC IX 20 11 59 54.8–5.3 24.96N 123.18E 67–54 3.6s,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=149.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=41.3km s-min=15.9km az=65.0.
ISC IX 20 12 22 57.2–.94 25.02N–.07 123.40E–.04 10 3.6s,3.5b 18 1-49
JMA IX 20 12 22 55.9–.30 25.10N 123.37E 16–5 3.1,3.5b **¶601734529**
ISCJB IX 20 12 22 56.0–.70 25.07N–.05 123.37E–.05 10 3.5b,3.5s
IDC IX 20 12 23 06.6–6.5 24.90N 123.08E 84–67 3.6,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.0km az=34.9.
IDC Error ellipse: s-maj=36.6km s-min=18.6km az=58.0.
JMA X 02 23 55 54.2–.20 25.36N 123.49E 177–3 3.5
¶603683705
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC X 05 08 13 19.5–.30 26.26N–.03 125.21E–.03 163–2 5.0b 972 1-178
NIED X 05 08 13 00 26.40N 125.10E 155 5.0W **¶601792799**
MOS X 05 08 13 17.5–1.0 26.32N 125.08E 154 5.1b
ISCJB X 05 08 13 18.0–.16 26.25N–.02 125.16E–.02 159–1 4.9b
BJI X 05 08 13 18.8 26.25N 125.20E 155 5.1b,5.0b
GCMT X 05 08 13 19.0–.20 26.16N–.02 125.19E–.02 176–1 5.0W,5.0b
JMA X 05 08 13 19.0–.20 26.29N 125.15E 152 5.2,5.0b
IDC X 05 08 13 20.1–.64 26.32N 125.17E 169–5 5.1,4.7
NEIC X 05 08 13 20.0–.31 26.27N 125.08E 165–2 5.0b,4.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ38.00000°,λ-100.00000°. NP2:ϕ_s318.00000°,δ52.00000°,λ-82.00000°. $M_0$2.99000×10^{16}
MOS Error ellipse: s-maj=6.7km s-min=4.2km az=112.6.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=145.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c59; s99,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.38±.11 $M_{\theta\theta}$2.90±.14; $M_{\phi\phi}$0.47±.15; $M_{r\theta}$-1.14±.10; $M_{\theta\phi}$-2.58±.12; $M_{\phi r}$-1.95±.10; Best double couple: NP1:ϕ_s330.00000°,δ54.00000°,λ-49.00000°. NP2:ϕ_s95.00000°,δ53.00000°,λ-132.00000°. Principal axes: T 4.5400,Plg1.0000° ,Azm33.0000°; N 0.2450,Plg32.0000°,Azm123.0000°; P -4.7860,Plg58.0000°,Azm302.0000° $M_0$4.66300×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=10.1km s-min=7.4km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=136.0. Felt at Chatan and Yomitan, Ryukyu Islands. Recorded [2 JMA] on Miyako-jima.
ISC X 05 13 46 29.8–.79 26.12N–.09 124.53E–.07 189–10 3.5b 46 1-71
ISCJB X 05 13 46 29.5–.43 26.01N–.07 124.60E–.06 196–6 3.3b **¶601997150**
JMA X 05 13 46 30.8–.30 26.18N 124.41E 172 3.9
IDC X 05 13 46 33.9–6.7 26.04N 124.45E 225–76 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=4.6km az=145.6.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=78.6km s-min=14.3km az=65.0.
ISC X 16 11 24 56.1–.79 26.95N–.08 125.83E–.07 167–10 3.4b 50 1-94
ISCJB X 16 11 24 55.4–.41 26.87N–.06 125.90E–.06 172–6 3.5b **¶601998507**
JMA X 16 11 24 56.1–.30 26.96N 125.78E 164 3.7
IDC X 16 11 24 56.3–2.1 26.88N 125.76E 167–21 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=3.7km az=139.2.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=27.9km s-min=14.2km az=76.0.
ISC X 17 16 44 13.3–.57 26.84N–.07 125.53E–.06 227–6 3.7b 68 1-83
ISCJB X 17 16 44 12.1–.32 26.80N–.06 125.52E–.06 225–5 3.8b **¶601874170**
JMA X 17 16 44 14.5–.40 26.93N 125.41E 198 4.4
IDC X 17 16 44 14.5–.73 26.90N 125.51E 234–7 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.4km az=141.6.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=16.3km s-min=9.7km az=71.0.
JMA X 27 03 20 26.5–.30 26.05N 123.35E 247 4.4
¶606052155
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
JMA XI 09 21 27 56.7–.20 25.16N 124.93E 0 3.7
NIED XI 09 21 27 00 25.20N 124.90E 5 3.6W **¶606058393**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ50.00000°,λ-48.00000°. NP2:ϕ_s84.00000°,δ56.00000°,λ-129.00000°. $M_0$3.16000×10^{14}
JMA XI 09 22 03 03.8–.30 25.23N 124.92E 4 3.9
NIED XI 09 22 03 00 25.20N 124.90E 5 3.7W **¶603702569**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s95.00000°,δ40.00000°,λ-119.00000°. NP2:ϕ_s310.00000°,δ56.00000°,λ-68.00000°. $M_0$3.85000×10^{14}
JMA XI 09 23 09 59.3–.20 25.88N 124.84E 128 3.9
NIED XI 09 23 09 00 25.90N 124.80E 165 3.9W **¶603702582**
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ39.00000°,λ-98.00000°. NP2:ϕ_s25.00000°,δ51.00000°,λ-83.00000°. $M_0$9.13000×10^{14}
JMA XI 10 10 31 01.3–.20 25.18N 124.91E 2 3.7
NIED XI 10 10 31 00 25.20N 124.90E 5 3.5W **¶603702763**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s116.00000°,δ43.00000°,λ-85.00000°. NP2:ϕ_s289.00000°,δ47.00000°,λ-95.00000°. $M_0$2.32000×10^{14}
ISC XI 12 10 15 27.2–.87 25.04N–.06 125.00E–.04 30–7 3.9b,3.2s 34 0-81
NIED XI 12 10 15 00 25.20N 124.90E 5 4.3W,3.2s **¶601885148**
BJI XI 12 10 15 15.6 24.34N 125.78E 25 4.5b,4.4b
ISCJB XI 12 10 15 24.4–.93 25.23N–.06 124.96E–.04 24–7 3.9b,3.2s
JMA XI 12 10 15 25.0–.30 25.19N 124.91E 5 4.8,3.2s
IDC XI 12 10 15 29.1–3.6 25.27N 125.06E 50–35 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s114.00000°,δ43.00000°,λ-89.00000°. NP2:ϕ_s292.00000°,δ47.00000°,λ-91.00000°. $M_0$3.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.4km az=156.4.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=22.6km s-min=14.9km az=66.0.
JMA XI 12 10 20 12.8–.30 25.17N 124.92E 7 3.5
¶606059297
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA XI 14 19 05 38.4–.20 25.20N 124.92E 8–4 3.9
NIED XI 14 19 05 00 25.20N 124.90E 5 3.8W **¶603704218**
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ44.00000°,λ-97.00000°. NP2:ϕ_s120.00000°,δ46.00000°,λ-83.00000°. $M_0$5.55000×10^{14}
JMA XI 14 20 22 22.6–.20 25.23N 124.91E 10–4 3.7
¶606060140
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 15 17 16 25.5–.72 25.92N–.09 123.84E–.07 208–10 3.5b 50 1-69
ISCJB XI 15 17 16 24.8–.38 25.84N–.07 123.87E–.06 214–6 3.4b **¶602389473**
IDC XI 15 17 16 26.3–3.5 25.99N 124.10E 217–42 3.8,3.3
JMA XI 15 17 16 27.3–.20 25.68N 123.86E 210–5 4.2,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=5.3km az=148.1.
IDC Error ellipse: s-maj=48.6km s-min=12.8km az=63.0.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
JMA XI 17 06 49 42.8–.20 25.18N 124.91E 4 3.5
¶606060944
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA XI 24 10 09 50.0–.20 25.17N 124.92E 4 3.5
¶606063725
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XI 29 12 41 35.4–.37 26.13N–.03 125.23E–.03 150–3 4.9b 472 1-164
NIED XI 29 12 41 00 26.20N 125.20E 185 4.6W **¶601995244**
BJI XI 29 12 41 29.8 25.76N 125.55E 139 4.9b,4.7b
ISCJB XI 29 12 41 33.8–.16 26.08N–.02 125.28E–.02 150–1 4.8b,4.7b
MOS XI 29 12 41 34.4–.85 26.15N 125.24E 154 4.7b,4.7b
NEIC XI 29 12 41 35.8–.26 26.11N 125.19E 154–2 5.0b,4.7b
JMA XI 29 12 41 35.1–.20 26.16N 125.20E 137 4.6,4.7b
IDC XI 29 12 41 35.4–.54 26.20N 125.37E 150–4 4.7,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s331.00000°,δ7.00000°,λ-14.00000°. NP2:ϕ_s75.00000°,δ88.00000°,λ-97.00000°. $M_0$9.76000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=144.8.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=107.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.1km az=115.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=8.6km s-min=8.3km az=69.0.
JMA XI 30 04 54 39.6–.30 26.26N 123.41E 273 3.7
¶606065979
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
JMA XII 04 16 34 35.8–.30 26.24N 124.33E 188 3.5
¶606067473
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC XII 04 19 16 56.6–.68 26.12N–.06 125.75E–.04 110–7 4.5b 155 1-92
NIED XII 04 19 16 00 26.10N 125.70E 101 3.9W **¶602063214**
ISCJB XII 04 19 16 55.2–.20 26.15N–.04 125.74E–.03 110–3 4.5b
IDC XII 04 19 16 56.1–2.2 26.15N 125.67E 105–20 4.1,3.9
NEIC XII 04 19 16 56.2–.42 26.12N 125.72E 104–4 4.9b,3.9
JMA XII 04 19 16 56.8–.20 26.13N 125.75E 106–4 3.8,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s278.00000°,δ23.00000°,λ-100.00000°. NP2:ϕ_s109.00000°,δ67.00000°,λ-86.00000°. $M_0$8.83000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.6km az=143.6.
IDC Error ellipse: s-maj=18.2km s-min=13.6km az=70.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=134.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC XII 10 22 57 50.0–.99 25.2N–.10 124.30E–.06 116–10 3.5b 29 1-50
ISCJB XII 10 22 57 49.2–.59 25.22N–.09 124.31E–.05 121–6 3.5b **¶602391036**
IDC XII 10 22 57 52.0–8.2 25.38N 124.50E 138–94 3.5,3.2
JMA XII 10 22 57 51.3–.20 25.11N 124.30E 113–3 3.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.9km az=160.8.
IDC Error ellipse: s-maj=86.7km s-min=19.2km az=60.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC XII 14 16 51 40.4–1.2 25.1N–.10 123.07E–.07 152–9 3.2b 28 1-50
IDC XII 14 16 51 24.1–5.0 24.96N 122.79E 0 3.5,3.3 **¶602391333**
ISCJB XII 14 16 51 40.6–.87 25.0N–.10 123.13E–.07 155–6 3.1b,3.3
JMA XII 14 16 51 41.5–.20 24.99N 123.10E 151–3 3.1,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=316.4km s-min=28.3km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=8.6km az=162.8.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
JMA XII 15 07 40 09.5–.30 26.34N 124.38E 187 3.9
¶606073608
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.

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ISC VII 03 05 39 34.9–.77 24.97N–.08 125.62E–.06 51–6 3.9b,3.1s 71 0-97
NIED VII 03 05 39 00 25.00N 125.70E 65 4.1W,3.1s **¶601505922**
IDC VII 03 05 39 28.3–.76 25.02N 125.39E 0 4.0,3.9
ISCJB VII 03 05 39 34.3–.34 25.03N–.05 125.56E–.05 58–3 3.9b,3.0s
JMA VII 03 05 39 34.3–.10 24.99N 125.62E 55–1 3.8,3.0s
NEIC VII 03 05 39 36.6–.67 25.02N 125.49E 64–6 4.2b,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ43.00000°,λ39.00000°. NP2: ϕ_s247.00000°,δ64.00000°,λ126.00000°. $M_0$1.67000×10^{15}
IDC Error ellipse: s-maj=27.4km s-min=17.4km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=4.3km az=143.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.2km az=138.0. Recorded [1 JMA] on Miyako-jima.
ISC VII 10 08 29 34.9–1.1 23.64N–.09 124.24E–.04 20–6 3.2b 32 1-82
NIED VII 10 08 29 00 23.60N 124.20E 11 3.7W **¶601664378**
IDC VII 10 08 29 31.6–1.2 23.65N 123.93E 0 3.9L,3.7
ISCJB VII 10 08 29 34.9–1.0 23.58N–.05 124.20E–.04 32–6 3.2b,2.6s
JMA VII 10 08 29 34.3–.30 23.56N 124.23E 32–4 3.5,2.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ52.00000°,λ170.00000°. NP2:ϕ_s146.00000°,δ82.00000°,λ38.00000°. $M_0$4.63000×10^{14}
IDC Error ellipse: s-maj=47.0km s-min=25.4km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=163.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VII 10 21 51 46.7–.88 25.8N–.10 125.10E–.08 123–13 3.4b 41 1-80
NIED VII 10 21 51 00 25.90N 125.00E 140 4.5W **¶605673253**
ISCJB VII 10 21 51 45.9–.43 25.8N–.10 125.07E–.08 122–9 3.5b
JMA VII 10 21 51 47.0–.10 25.86N 125.01E 109 3.6
IDC VII 10 21 51 48.5–6.3 26.20N 125.17E 116–28 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s290.00000°,δ35.00000°,λ174.00000°. NP2:ϕ_s25.00000°,δ86.00000°,λ55.00000°. $M_0$6.59000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=4.0km az=146.9.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=149.5km s-min=28.1km az=2.0.
ISC VII 16 12 22 21.3–1.5 24.28N–.07 125.32E–.05 17–8 4.0b,3.0s 56 0-75
NIED VII 16 12 22 00 24.30N 125.20E 47 4.1W,3.0s **¶601664671**
IDC VII 16 12 22 19.6–3.5 24.36N 125.11E 0 3.9,3.9b
JMA VII 16 12 22 23.9–.20 24.31N 125.24E 37 3.6,3.9b
NEIC VII 16 12 22 24.4–.87 24.29N 125.21E 39–5 4.1b,3.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s276.00000°,δ36.00000°,λ150.00000°. NP2:ϕ_s31.00000°,δ73.00000°,λ58.00000°. $M_0$1.42000×10^{15}
IDC Error ellipse: s-maj=76.3km s-min=24.1km az=169.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=5.0km az=150.0.
JMA VII 25 10 54 24.7–.30 23.29N 124.02E 45–5 2.8
¶606346524
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VII 25 23 12 17.9–1.6 24.96N–.07 123.45E–.04 10–12 3.6b 20 1-46
ISCJB VII 25 23 12 17.3–1.4 25.01N–.09 123.41E–.04 20–14 3.5b **¶601666445**
JMA VII 25 23 12 17.5–.10 25.00N 123.42E 20 3.1
IDC VII 25 23 12 17.9–1.4 24.52N 122.26E 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=6.1km az=173.8.
IDC Error ellipse: s-maj=66.5km s-min=23.4km az=67.0.
ISC VII 25 23 20 10.2–1.7 24.95N–.07 123.45E–.05 12–12 3.6b,2.6s 21 1-49
ISCJB VII 25 23 20 09.8–1.2 25.00N–.08 123.42E–.04 26–11 3.7b,2.5s **¶601666446**
JMA VII 25 23 20 09.5–.30 25.02N 123.42E 22 3.1,2.5s
IDC VII 25 23 20 09.7–1.2 24.48N 122.26E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.0km az=175.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=67.5km s-min=18.5km az=67.0.
ISC VII 26 03 30 22.0–1.6 24.97N–.09 123.43E–.05 10 11 1-46
ISCJB VII 26 03 30 20.8–1.3 25.03N–.08 123.43E–.05 10 3.4b **¶601666451**
JMA VII 26 03 30 21.1–.40 25.05N 123.40E 23 3.0
IDC VII 26 03 30 25.6–1.7 24.71N 122.23E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.0km az=2.4.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=70.2km s-min=28.6km az=68.0.
ISC VII 26 04 44 54.4–1.7 24.93N–.07 123.46E–.05 12–12 3.4b 18 1-46
ISCJB VII 26 04 44 53.5–1.5 25.03N–.09 123.44E–.05 17–15 3.5b,3.0s **¶603646554**
JMA VII 26 04 44 53.5–.30 25.02N 123.43E 22 3.1,3.0s
IDC VII 26 04 44 54.3–1.5 24.51N 122.39E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.9km az=176.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

IDC Error ellipse: s-maj=66.4km s-min=24.2km az=68.0.
ISC VIII 05 04 48 02.1–1.7 24.89N–.07 123.32E–.04 8–12 3.4b,3.2s 18 1-79
IDC VIII 05 04 48 02.0–1.2 24.42N 122.08E 0 3.6,3.5 ¶601765483
ISCJB VIII 05 04 48 02.2–1.3 24.89N–.08 123.26E–.05 21–11 3.4b,3.0s
JMA VIII 05 04 48 02.5–.20 24.87N 123.28E 23 3.3,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=69.2km s-min=20.5km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.0km az=177.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC VIII 06 01 27 47.2–2.5 24.20N 125.69E 0 3.7,3.5b
¶601765527
IDC Error ellipse: s-maj=180.5km s-min=28.2km az=65.0.
ISC VIII 08 07 11 01.9–.26 25.87N–.02 125.06E–.02 137–2 5.4b 1638 1-178
BJI VIII 08 07 10 58.5 25.75N 125.30E 130 5.4b,5.4b ¶601531861
ISCJB VIII 08 07 11 00.5–.17 25.88N–.01 124.96E–.02 130–1 5.3b,5.4b
MOS VIII 08 07 11 00.4–1.1 25.98N 124.93E 130 5.5b,4.2s
NIED VIII 08 07 11 00 26.00N 124.90E 116 5.4W,4.2s
IDC VIII 08 07 11 01.5–.84 25.91N 125.03E 131–7 5.3,5.0
GCMT VIII 08 07 11 01.9–.10 25.77N–.01 125.06E–.01 141–0 5.4W,5.0
JMA VIII 08 07 11 01.3–.10 25.92N 124.99E 123 5.5,5.0
NEIC VIII 08 07 11 01.9–.34 25.87N 124.92E 133–3 5.5b,5.4W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=144.5.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=110.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S124.00000°,δ59.00000°,λ-152.00000°. NP2:ϕ_S19.00000°,δ67.00000°,λ-35.00000°. $M_0$1.26000×10^{17}
IDC Error ellipse: s-maj=7.4km s-min=6.1km az=83.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c182; s124,c237;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$1.08±.03; $M_{r\theta}$-1.01±.02; $M_{\theta\phi}$-0.67±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_S18.00000°,δ67.00000°,λ-38.00000°. NP2:ϕ_S125.00000°,δ55.00000°,λ-151.00000°. Principal axes: T 1.3460,Plg7.0000° ,Azm74.0000°; N 0.4590,Plg46.0000°,Azm171.0000°; P -1.8070,Plg43.0000°,Azm337.0000° $M_0$1.57600×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=138.0. Felt [II] on Okinawa, Ryukyu Islands. Recorded [2 JMA] on Ishigaki-jima, Miyako-jima and Tarama-shima. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.68 $M_{r\theta}$-1.09 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.70 Best double couple: NP1:ϕ_S25.00000°,δ78.00000°,λ-54.00000°. NP2:ϕ_S131.00000°,δ38.00000°,λ-160.00000°. Principal axes: T 1.0100,Plg24.0000° ,Azm88.0000°; N 0.7400,Plg35.0000°,Azm197.0000°; P -1.7500,Plg45.0000°,Azm331.0000° $M_0$1.50000×10^{17}
JMA VIII 13 03 52 09.5–.10 25.12N 125.83E 31–3 3.5
NIED VIII 13 03 52 00 25.10N 125.80E 5 3.6W ¶603655792
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S340.00000°,δ18.00000°,λ-84.00000°. NP2:ϕ_S153.00000°,δ72.00000°,λ-92.00000°. $M_0$2.41000×10^{14}
ISC IX 03 12 40 17.1–2.5 23.40N–.07 124.34E–.05 14–14 3.8b 34 1-50
NIED IX 03 12 40 00 23.40N 124.30E 8 3.9W ¶601862865
IDC IX 03 12 40 15.2–.94 23.40N 124.27E 0 4.1,4.1s
ISCJB IX 03 12 40 17.3–1.1 23.35N–.04 124.31E–.04 27–7 4.1s,3.8b
JMA IX 03 12 40 17.5–.30 23.35N 124.33E 31–5 3.8,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S137.00000°,δ82.00000°,λ6.00000°. NP2:ϕ_S46.00000°,δ84.00000°,λ172.00000°. $M_0$7.25000×10^{14}
IDC Error ellipse: s-maj=31.6km s-min=17.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.5km az=155.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IX 07 03 10 01.4–1.0 24.6N–.10 123.31E–.05 70–8 3.7b 23 0-50
IDC IX 07 03 09 52.5–5.5 24.66N 123.34E 0 3.8,3.6b ¶601863093
ISCJB IX 07 03 10 00.7–.66 24.58N–.09 123.30E–.05 75–5 3.6b,3.6b
JMA IX 07 03 10 02.5–.20 24.66N 123.37E 60–3 3.5,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=349.8km s-min=26.5km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=7.0km az=177.5.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC IX 12 02 12 11.8–.71 24.92N–.04 123.30E–.02 32–5 4.2b,3.7s 94 1-98
NIED IX 12 02 12 00 25.00N 123.30E 5 4.5W,3.7s ¶601709220
JMA IX 12 02 12 09.5–.20 25.03N 123.31E 25–5 3.7,3.7s
ISCJB IX 12 02 12 10.8–.64 24.95N–.03 123.25E–.02 33–5 4.2b,3.8s
NEIC IX 12 02 12 12.6–.57 24.94N 123.20E 35–6 4.4b,3.8s
IDC IX 12 02 12 14.5–2.9 25.05N 123.25E 49–28 4.1,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S212.00000°,δ65.00000°,λ-163.00000°. NP2:ϕ_S114.00000°,δ75.00000°,λ-26.00000°. $M_0$6.88000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=17.4.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=119.0.
IDC Error ellipse: s-maj=22.9km s-min=13.5km az=64.0.
ISC IX 12 07 18 43.5–.63 24.95N–.03 123.27E–.03 20–3 4.5b,4.3s 197 1-166
NIED IX 12 07 18 00 25.10N 123.30E 5 4.9W,4.3s ¶606028915
BJI IX 12 07 18 40.2 24.81N 123.33E 16 5.1b,5.0s
JMA IX 12 07 18 40.5–.20 25.09N 123.31E 10 5.2,5.0s
IDC IX 12 07 18 40.5–.57 24.95N 123.09E 0 4.4,4.3b
ISCJB IX 12 07 18 42.0–.57 24.98N–.02 123.21E–.02 18–4 4.4b,4.3s
GCMT IX 12 07 18 42.6–.30 25.05N–.02 123.36E–.03 12 4.9W,4.3s
NEIC IX 12 07 18 44.6–.70 24.96N 123.11E 26–5 4.6b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S269.00000°,δ35.00000°,λ-67.00000°. NP2:ϕ_S62.00000°,δ58.00000°,λ-105.00000°. $M_0$2.32000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=13.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=165.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c19; s90,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.07 $M_{\theta\theta}$2.24±.06; $M_{\phi\phi}$-0.13±.08; $M_{r\theta}$1.10±.28; $M_{\theta\phi}$0.53±.06; $M_{\phi r}$-1.81±.32; Best double couple: NP1:ϕ_S291.00000°,δ64.00000°,λ-57.00000°. NP2:ϕ_S55.00000°,δ42.00000°,λ-138.00000°. Principal axes: T 2.5080,Plg12.0000° ,Azm357.0000°; N 0.9340,Plg30.0000°,Azm94.0000°; P -3.4380,Plg57.0000°,Azm247.0000° $M_0$2.97300×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=122.0.
ISC IX 12 08 18 57.1–1.3 24.87N–.05 123.30E–.03 23–11 4.0b,3.7s 55 0-98
NIED IX 12 08 18 00 25.10N 123.30E 5 4.5W,3.7s ¶601852849
JMA IX 12 08 18 54.2–.20 25.08N 123.33E 22 3.7,3.7s
IDC IX 12 08 18 54.1–.81 24.95N 123.20E 0 4.1,4.0b
ISCJB IX 12 08 18 56.7–.67 24.93N–.04 123.30E–.04 33–5 4.0b,3.8s
NEIC IX 12 08 18 57.9–1.0 24.91N 123.16E 26–8 4.5b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S275.00000°,δ32.00000°,λ-48.00000°. NP2:ϕ_S48.00000°,δ67.00000°,λ-112.00000°. $M_0$5.56000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=17.1km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=35.5.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=118.0.
ISC IX 12 09 29 41.8–1.7 24.86N–.09 123.43E–.04 9–12 16 1-49
ISCJB IX 12 09 29 40.0–2.0 25.1N–.10 123.36E–.05 23–11 3.6b ¶601863404
JMA IX 12 09 29 40.5–.20 25.04N 123.34E 21 2.6
IDC IX 12 09 29 44.2–6.1 24.36N 123.06E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=7.8km az=175.1.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=313.1km s-min=40.0km az=96.0.
ISC IX 12 09 37 30.9–.63 24.88N–.03 123.26E–.03 27–4 4.8b,4.6s 209 0-147
NIED IX 12 09 37 00 25.10N 123.40E 5 5.0W,4.6s ¶601709223
JMA IX 12 09 37 26.5–.30 25.07N 123.36E 15 5.1,4.6s
IDC IX 12 09 37 26.7–.53 24.92N 123.11E 0 4.4,4.4s
BJI IX 12 09 37 28.6 24.95N 123.24E 20 5.1b,5.1s
ISCJB IX 12 09 37 28.2–.55 24.97N–.02 123.27E–.02 20–4 4.6b,4.5s
GCMT IX 12 09 37 29.6–.20 25.01N–.01 123.22E–.02 12 5.0W,4.5s
MOS IX 12 09 37 30.3–.93 24.88N 123.08E 37 5.0b,4.7s
NEIC IX 12 09 37 30.6–.82 24.95N 123.20E 24–6 4.8b,4.7s

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S265.00000°,δ33.00000°,λ-92.00000°. NP2:ϕ_S88.00000°,δ57.00000°,λ-89.00000°. $M_0$3.71000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=18.4km s-min=11.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.5km az=161.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c59; s96,c152;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.17±.08 $M_{\theta\theta}$3.31±.06; $M_{\phi\phi}$-0.14±.08; $M_{r\theta}$0.85±.22; $M_{\theta\phi}$0.65±.06; $M_{\phi r}$-1.07±.30; Best double couple: NP1:ϕ_S278.00000°,δ54.00000°,λ-66.00000°. NP2:ϕ_S61.00000°,δ43.00000°,λ-119.00000°. Principal axes: T 3.4960,Plg6.0000° ,Azm352.0000°; N 0.1550,Plg19.0000°,Azm84.0000°; P -3.6580,Plg70.0000°,Azm245.0000° $M_0$3.57700×10^{16}
MOS Error ellipse: s-maj=9.4km s-min=6.3km az=98.6.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=127.0.
ISC IX 12 09 58 07.0–1.2 24.8N–.10 123.39E–.05 32 12 0-49
JMA IX 12 09 58 02.8–.90 25.10N 123.31E 27 2.5 ¶601863407
ISCJB IX 12 09 58 04.9–2.6 24.9N–.20 123.38E–.08 32 3.8b
IDC IX 12 09 58 08.5–5.8 24.27N 123.68E 0 3.8,3.6b
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=30.1km s-min=6.9km az=165.9.
IDC Error ellipse: s-maj=326.9km s-min=39.6km az=94.0.
ISC IX 12 10 02 21.9–2.1 24.80N–.09 123.50E–.08 5–16 17 1-49
JMA IX 12 10 02 20.8–.30 25.02N 123.36E 18 2.7 ¶601863408
IDC IX 12 10 02 25.8–5.3 24.22N 123.75E 0 3.9,3.7b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=294.0km s-min=40.3km az=94.0.
ISC IX 12 10 56 34.3–1.9 24.94N–.09 123.39E–.04 11–13 2.9s 18 1-49
ISCJB IX 12 10 56 32.0–1.8 25.08N–.09 123.35E–.05 16–13 3.9b,2.9s ¶601863411
JMA IX 12 10 56 32.9–.20 25.03N 123.33E 24 2.8,2.9s
IDC IX 12 10 56 37.0–5.7 24.33N 123.30E 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=6.6km az=169.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=300.3km s-min=39.7km az=95.0.
ISC IX 12 17 42 46.9–.87 24.92N–.07 123.30E–.06 32 3.6b,3.0s 20 1-49
IDC IX 12 17 42 43.8–.88 24.90N 122.91E 0 3.6,3.6b ¶601863425
JMA IX 12 17 42 44.5–.20 25.05N 123.33E 23 3.0,3.6b
ISCJB IX 12 17 42 45.7–.57 24.96N–.04 123.31E–.05 32 3.5b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 12 18 29 29.4–1.3 24.88N–.07 123.19E–.03 19–4 40 0-3
JMA IX 12 18 29 30.8–.40 25.04N 123.34E 17 2.6 ¶602424008
TAP IX 12 18 29 43.8 24.86N 122.38E 15–1 2.2L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC IX 12 21 09 29.2–1.6 24.86N–.09 123.35E–.05 26–14 3.3b 16 1-46
ISCJB IX 12 21 09 26.9–2.0 25.1N–.10 123.37E–.05 17–22 3.3b ¶601863432
JMA IX 12 21 09 26.9–.20 25.06N 123.35E 25 2.8
IDC IX 12 21 09 46.4–12 25.14N 122.74E 156–139 3.5,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=7.9km az=173.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=137.4km s-min=19.8km az=63.0.
ISC IX 14 16 33 33.2–.69 25.00N–.06 123.31E–.05 21 3.7b 25 1-63
ISCJB IX 14 16 33 31.9–.53 25.04N–.04 123.27E–.05 21 3.8b,3.3s ¶601863535
JMA IX 14 16 33 31.1–.30 25.09N 123.27E 21–4 3.3,3.3s
IDC IX 14 16 33 44.6–5.8 24.98N 122.95E 118–57 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=144.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=26.2km s-min=14.4km az=64.0.
ISC IX 20 10 15 42.2–1.7 24.97N–.07 123.41E–.04 11–11 3.4b 18 1-49
ISCJB IX 20 10 15 40.7–2.4 25.10N–.05 123.37E–.05 12–17 3.5b,2.9s ¶601863886
JMA IX 20 10 15 41.0–.20 25.11N 123.36E 21–5 2.8,2.9s
IDC IX 20 10 15 42.7–1.4 24.58N 122.41E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.3km az=23.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=68.7km s-min=21.2km az=65.0.
ISC IX 20 12 01 28.4–.71 24.98N–.07 123.38E–.04 24 3.8b,3.6s 22 1-83
NIED IX 20 12 01 00 25.00N 123.30E 5 4.2W,3.6s ¶601863890
ISCJB IX 20 12 01 27.5–.59 25.01N–.05 123.36E–.04 24 3.8b,3.6s
JMA IX 20 12 01 27.6–.50 25.02N 123.35E 31 3.5,3.6s
IDC IX 20 12 01 37.1–6.2 24.95N 123.13E 92–60 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S258.00000°,δ34.00000°,λ-73.00000°. NP2:ϕ_S58.00000°,δ57.00000°,λ-101.00000°. $M_0$2.38000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=20.9.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=40.6km s-min=15.8km az=61.0.
ISC IX 20 12 17 41.7–2.0 24.98N–.09 123.39E–.06 11–13 3.5b 21 1-49
ISCJB IX 20 12 17 40.4–2.4 25.05N–.04 123.37E–.05 11–17 3.6b ¶601863891
JMA IX 20 12 17 41.1–.40 25.04N 123.37E 25 3.1
IDC IX 20 12 17 49.7–5.5 24.91N 123.13E 71–54 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.5km az=44.7.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=40.5km s-min=19.0km az=62.0.
JMA X 05 14 55 16.1–.20 25.97N 125.39E 100 3.5
NIED X 05 14 55 00 26.00N 125.40E 95 3.8W ¶603684771
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S103.00000°,δ24.00000°,λ168.00000°. NP2:ϕ_S204.00000°,δ85.00000°,λ67.00000°. $M_0$5.64000×10^{14}
ISC X 22 11 05 11.8–1.7 24.31N–.08 125.26E–.05 25–13 3.8b,2.8s 27 0-73
NIED X 22 11 05 00 24.40N 125.30E 35 4.1W,2.8s ¶601999266
IDC X 22 11 05 08.0–.96 24.31N 125.24E 0 3.9b,3.9
JMA X 22 11 05 12.7–.20 24.35N 125.27E 53–4 3.7,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S268.00000°,δ21.00000°,λ127.00000°. NP2:ϕ_S48.00000°,δ73.00000°,λ77.00000°. $M_0$1.43000×10^{15}
IDC Error ellipse: s-maj=29.3km s-min=18.3km az=74.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
JMA XI 19 06 36 23.2–.10 24.17N 125.34E 50 3.5
NIED XI 19 06 36 00 24.20N 125.30E 14 3.5W ¶603705930
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S11.00000°,δ41.00000°,λ142.00000°. NP2:ϕ_S132.00000°,δ66.00000°,λ56.00000°. $M_0$2.09000×10^{14}
ISC XI 26 01 22 11.8–1.4 24.8N–.10 125.77E–.09 53–9 3.5b 28 0-49
ISCJB XI 26 01 22 10.6–.93 24.8N–.10 125.78E–.08 59–7 4.0s,3.4b ¶602390011
JMA XI 26 01 22 10.7–.10 24.76N 125.79E 58–1 3.6,3.4b
IDC XI 26 01 22 12.0–1.5 25.40N 125.10E 0 4.2L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=4.5km az=147.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=57.6km s-min=26.9km az=68.0.
ISC XI 26 22 24 20.7–.54 24.97N–.06 125.31E–.04 43–4 4.4b,3.4s 103 0-165
NIED XI 26 22 24 00 24.80N 125.40E 38 4.2W,3.4s ¶606804555
BJI XI 26 22 24 17.5 25.13N 125.17E 15 4.5b,4.2b
ISCJB XI 26 22 24 19.7–.33 25.08N–.05 125.27E–.04 40–4 4.3b,3.6s
JMA XI 26 22 24 20.0–.10 24.81N 125.38E 48–1 4.3,3.6s
NEIC XI 26 22 24 21.6–.73 25.05N 125.22E 41–6 4.6b,3.6s
IDC XI 26 22 24 22.2–2.3 25.15N 125.29E 47–21 4.2,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S196.00000°,δ19.00000°,λ59.00000°. NP2:ϕ_S49.00000°,δ74.00000°,λ100.00000°. $M_0$2.14000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.2km az=153.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=5.6km az=149.0. Felt on Miyako-jima. Recorded [3 JMA] on Miyako-jima.
IDC Error ellipse: s-maj=21.0km s-min=14.3km az=172.0.
ISC XI 27 11 27 41.3–1.0 24.8N–.10 125.38E–.07 42 3.7b 26 0-76
NIED XI 27 11 27 00 24.70N 125.40E 71 4.0W **¶602390058**
JMA XI 27 11 27 39.8–.10 24.74N 125.44E 47–1 3.7
ISCJB XI 27 11 27 40.8–.49 24.93N–.08 125.36E–.06 42 3.7b,3.0s
IDC XI 27 11 27 40.0–.92 25.61N 125.08E 0 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ45.00000°,λ47.00000°. NP2:ϕ_s263.00000°,δ59.00000°,λ124.00000°. $M_0$1.26000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.5km az=149.8.
IDC Error ellipse: s-maj=25.7km s-min=20.4km az=64.0.
JMA XII 01 03 58 35.9–.10 25.02N 125.33E 61–1 3.8
¶606066267
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XII 06 19 24 42.8–1.1 26.0N–.10 125.50E–.08 107–11 3.2b 37 1-50
ISCJB XII 06 19 24 42.0–.59 25.93N–.08 125.54E–.07 110–6 3.2b **¶602390560**
JMA XII 06 19 24 43.1–.20 25.99N 125.47E 99 2.9
IDC XII 06 19 24 44.9–7.3 26.09N 125.75E 131–91 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=3.3km az=142.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=99.3km s-min=23.5km az=57.0.
ISC XII 17 12 09 46.7–1.9 23.45N–.08 124.70E–.04 10–11 3.5b 30 1-48
IDC XII 17 12 09 45.7–1.2 23.58N 124.62E 0 3.7,3.6 **¶602391541**
ISCJB XII 17 12 09 47.8–1.4 23.36N–.05 124.63E–.04 27–9 3.4b,3.6
JMA XII 17 12 09 47.0–.20 23.29N 124.66E 39 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=21.9km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.8km az=160.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XII 21 20 43 42.1–.84 24.32N–.09 123.51E–.04 48–7 3.5b 22 0-82
IDC XII 21 20 43 35.4–1.2 24.27N 123.50E 0 3.6,3.6 **¶602391824**
ISCJB XII 21 20 43 41.2–.55 24.31N–.09 123.50E–.04 55–4 3.4s,3.4b
JMA XII 21 20 43 42.5–.20 24.35N 123.52E 47–2 3.3,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=24.1km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=5.9km az=5.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XII 23 21 51 59.2–.87 24.9N–.10 125.33E–.07 43–6 3.6b 26 0-81
ISCJB XII 23 21 51 58.3–.54 24.9N–.10 125.34E–.08 49–5 3.5b **¶602391944**
JMA XII 23 21 51 58.5–.10 24.83N 125.37E 49–1 3.6
IDC XII 23 21 51 58.0–.87 25.78N 125.03E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=24.7km s-min=5.8km az=152.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=20.3km az=53.0.
ISC XII 24 03 10 18.2–2.2 23.41N–.08 123.74E–.05 27–14 3.8b 42 1-85
NIED XII 24 03 10 00 23.30N 123.70E 8 4.1W **¶602391962**
IDC XII 24 03 10 14.2–.80 23.43N 123.68E 0 4.0,3.9
ISCJB XII 24 03 10 17.8–1.1 23.37N–.06 123.73E–.04 39–8 3.8b,3.1s
JMA XII 24 03 10 17.2–.30 23.33N 123.73E 47–4 4.1,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ75.00000°,λ5.00000°. NP2:ϕ_s40.00000°,δ85.00000°,λ165.00000°. $M_0$1.57000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=17.8km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.7km az=177.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

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IDC VIII 31 18 29 38.1–4.9 22.62N 123.18E 0 3.7,3.5
¶601755778
IDC Error ellipse: s-maj=362.4km s-min=22.9km az=62.0.
ISC IX 18 20 24 52.3–1.6 21.2N–.20 123.4E–.40 10 3.8s,3.6b 11 3-76
IDC IX 18 20 24 54.1–4.2 20.42N 122.12E 0 4.0s,4.0 **¶601842086**
NEIC IX 18 20 24 54.1–.93 20.57N 122.42E 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=322.3km s-min=26.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=80.7km s-min=10.5km az=69.0.
IDC X 06 01 03 26.0–13 21.66N 123.43E 0 3.7,3.4
¶601997222
IDC Error ellipse: s-maj=352.1km s-min=35.2km az=30.0.
JMA X 27 16 21 57.4–.50 22.16N 123.77E 55 3.6
¶606052426
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.

SEISMIC REGION 22.
Philippines.

(248) Philippine Islands region.

MAN VII 01 18 53 44.2 7.51N 127.24E 10 4.0b,2.8L
¶604683888
ISC VII 03 12 09 06.2–.86 10.07N–.03 126.07E–.05 63–8 4.7b 207 1-169
MAN VII 03 12 09 01.3 10.07N 126.15E 1 5.3b,4.4s **¶601663435**
ISCJB VII 03 12 09 06.3–.41 10.04N–.02 126.03E–.04 79–3 4.5b,4.4s
IDC VII 03 12 09 08.0–2.3 10.00N 125.81E 82–21 4.7,4.4
NEIC VII 03 12 09 08.7–.62 9.96N 125.82E 88–5 4.8b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.7km az=161.2.
IDC Error ellipse: s-maj=15.7km s-min=8.9km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=75.0. Felt [III PIVS] at Dapa and General Luna and [II PIVS] at Pilar and Surigao.
ISC VII 03 13 11 43.3–1.4 10.03N–.04 126.09E–.09 54–15 3.4b 24 1-56
IDC VII 03 13 11 33.4–2.8 9.81N 125.90E 0 3.5,3.4 **¶601663436**
MAN VII 03 13 11 40.9 10.10N 126.13E 14 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=250.2km s-min=22.4km az=66.0.
IDC VII 04 07 06 14.1–1.5 15.57N 122.47E 0 4.3L,3.8
¶601663464
IDC Error ellipse: s-maj=36.3km s-min=24.8km az=89.0.
MAN VII 04 09 54 28.8 10.11N 126.04E 5 4.4b,3.2L
¶604683898
MAN VII 04 12 00 53.8 11.39N 126.05E 15 4.5b,3.3L
¶604683901
ISC VII 04 13 01 04.5–.66 11.39N–.03 126.23E–.05 41–6 4.7b,4.1s 247 1-147
IDC VII 04 13 00 58.2–.36 11.33N 126.26E 0 4.6,4.6b **¶601241271**
BJI VII 04 13 01 02.9 11.33N 126.28E 46 5.0b,4.8b
ISCJB VII 04 13 01 03.8–.52 11.41N–.02 126.19E–.04 49–4 4.7b,4.1s
NEIC VII 04 13 01 04.3–.65 11.32N 126.14E 42–6 4.9b,4.1s
GCMT VII 04 13 01 04.3–.30 11.52N 126.32E 18–1 4.9W,4.1s
DJA VII 04 13 01 06.6–.50 12N–3.0 126E–4.0 66–4 5.9,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s13,c14; s75,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.38±.20 $M_{\theta\theta}$0.06±.10; $M_{\phi\phi}$-2.44±.14; $M_{r\theta}$-0.90±.27; $M_{\theta\phi}$0.40±.07; $M_{\phi r}$1.08±.24; Best double couple: NP1:ϕ_s336.00000°,δ60.00000°,λ75.00000°. NP2:ϕ_s185.00000°,δ34.00000°,λ115.00000°. Principal axes: T 2.8440,Plg71.0000°,Azm211.0000°; N -0.0480,Plg13.0000°,Azm344.0000° ; P -2.7950,Plg14.0000°,Azm78.0000° $M_0$2.82000×10^{16}
ISC VII 04 16 09 47.4–1.2 7.64N–.07 127.5E–.10 41 3.8b 15 1-59
IDC VII 04 16 09 41.8–1.9 7.78N 127.35E 0 3.8,3.7 **¶601663479**
ISCJB VII 04 16 09 45.1–.84 7.73N–.06 127.62E–.06 41 3.6b,3.7
MAN VII 04 16 09 46.3 7.58N 127.45E 13 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=188.5km s-min=18.9km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.5km az=35.9.
ISC VII 05 03 00 17.3–1.2 19.05N–.04 121.16E–.06 32–9 3.9b 61 1-115
IDC VII 05 03 00 12.5–.61 18.81N 121.29E 0 4.3L,3.9 **¶601562081**
ISCJB VII 05 03 00 17.3–.46 19.19N–.02 121.18E–.06 37–6 4.0b,2.7s
NEIC VII 05 03 00 17.3–.47 18.91N 121.33E 35 4.6b,2.7s
MAN VII 05 03 00 17.4 19.14N 121.23E 63 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=13.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.0km az=178.1.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=78.0.
ISC VII 05 17 17 54.3–3.3 10.56N–.04 126.51E–.06 8–21 4.0b 40 1-93
IDC VII 05 17 17 52.8–.94 10.54N 126.48E 0 4.0,3.9b **¶601562079**
MAN VII 05 17 17 55.5 10.61N 126.58E 27 5.3b,4.4s
NEIC VII 05 17 17 58.3–.59 10.49N 126.44E 35 4.6b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=20.5km az=70.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=12.1km az=71.0.
MAN VII 07 19 26 08.6 10.57N 126.34E 22 4.6b,3.5L
¶604683918
ISC VII 08 04 16 38.5–.48 19.05N–.03 121.02E–.04 37–1 4.7b,3.7s 245 1-152
IDC VII 08 04 16 31.9–.46 18.96N 121.02E 0 4.6,4.5 **¶601244198**
MAN VII 08 04 16 36.4 18.99N 121.07E 19 5.3b,4.4s
ISCJB VII 08 04 16 36.1–.94 19.04N–.02 121.02E–.03 29–7 4.7b,3.7s
NEIC VII 08 04 16 38.5–.74 19.04N 121.00E 36–5 4.8b,3.7s
GCMT VII 08 04 16 38.5–.50 19.06N 120.90E 23–1 4.8W,3.7s
BJI VII 08 04 16 41.3 19.34N 120.87E 46 4.8b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=11.7km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=173.7.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.6km az=145.0. Felt [IV PIVS] at Claveria, Luzon.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s18,c20; s59,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.20 $M_{\theta\theta}$1.36±.11; $M_{\phi\phi}$1.10±.12; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$-0.84±.05; $M_{\phi r}$0.38±.17; Best double couple: NP1:ϕ_s134.00000°,δ50.00000° ,λ-86.00000°. NP2:ϕ_s308.00000°,δ40.00000°,λ-94.00000°. Principal axes: T 2.1240,Plg5.0000°,Azm221.0000°; N 0.3820,Plg3.0000°,Azm311.0000° ; P -2.4960,Plg84.0000°,Azm69.0000° $M_0$2.31000×10^{16}
MAN VII 08 14 24 27.5 11.26N 126.10E 5 4.7b,3.6L
¶604683923
MAN VII 09 06 16 03.0 19.32N 121.14E 49 4.6b,3.4L
¶604683932
ISC VII 09 18 50 45.9–2.2 10.40N–.04 126.43E–.09 12–12 3.6b 30 1-86
IDC VII 09 18 50 44.1–.82 10.24N 126.23E 0 3.7,3.6 **¶601664347**
MAN VII 09 18 50 47.2 10.50N 126.62E 25 4.9b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=48.6km s-min=16.2km az=69.0.
MAN VII 11 10 57 47.5 10.58N 126.17E 7 4.7b,3.6L
¶604683947
IDC VII 15 13 17 18.9–2.9 17.64N 123.57E 0 3.6,3.5
¶601664630
IDC Error ellipse: s-maj=326.5km s-min=29.0km az=67.0.
ISC VII 16 04 49 37.4–1.4 19.05N–.04 120.91E–.10 35–4 3.6s,3.5b 22 1-83
IDC VII 16 04 49 32.4–.98 18.82N 120.97E 0 3.8,3.8L **¶601664658**
ISCJB VII 16 04 49 37.7–.90 18.99N–.05 120.76E–.08 53–12 3.7s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 07 12 12.5–2.1 10.88N–.04 126.41E–.08 5–12 4.1b 28 1-147
IDC VII 16 07 12 11.7–1.1 11.04N 126.82E 0 4.0,3.9b **¶601664662**
ISC Event type ke.
IDC Error ellipse: s-maj=100.0km s-min=15.6km az=70.0.
ISC VII 17 05 58 31.5–.71 11.29N–.04 126.17E–.08 33 4.0b 27 1-85
IDC VII 17 05 58 26.6–.78 11.20N 126.04E 0 4.2,4.1b **¶601664706**
MAN VII 17 05 58 28.5 11.35N 126.26E 16 4.7b,3.6L
ISCJB VII 17 05 58 29.5–.62 11.35N–.04 126.27E–.07 33 3.9b,3.6L
ISC Event type ke.
ISCJB Event type ke.
MAN VII 17 09 26 09.4 19.22N 122.66E 34 4.7b,3.6L
¶604683970
ISC VII 18 06 36 51.4–.55 11.30N–.02 126.17E–.03 33–2 5.1b,4.7s 556 1-172
BJI VII 18 06 36 47.0 11.18N 126.16E 18 5.2b,5.2s **¶601404423**
NEIC VII 18 06 36 48.2–.11 11.28N 126.07E 10 5.3W,5.2b
GCMT VII 18 06 36 48.2–.20 11.36N 126.24E 15 5.3W,5.2b
MAN VII 18 06 36 49.2 11.42N 126.28E 25 5.4b,4.7s
ISCJB VII 18 06 36 51.4–.43 11.31N–.02 126.11E–.03 45–3 5.0b,4.7s
MOS VII 18 06 36 53.2–.95 11.32N 125.97E 59 5.3b,4.6s
IDC VII 18 06 36 54.2–1.3 11.35N 126.10E 55–11 4.8,4.6
DJA VII 18 06 36 57.0–.90 12N–6.0 126E–4.0 105–7 6.4,5.5b
KLM VII 18 06 37 15.0 11.16N 126.30E 283 5.3b,5.5b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=82.0. Felt [III PIVS] at Tacloban and Tolosa and [II PIVS] at Hinunangan, Leyte. Also felt [III PIVS] at Balangiga and Guiuan, Samar. Felt at Surigao, Mindanao. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17} Nm; M_{rr}1.00 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.83 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.05 $M_{\phi r}$0.48 Best double couple: NP1: ϕ_s183.00000°,δ31.00000°,λ105.00000°. NP2:ϕ_s345.00000°,δ60.00000°,λ81.00000°. Principal axes: T 1.1600,Plg73.0000°,Azm233.0000°; N -0.2000,Plg8.0000°,Azm350.0000° ; P -0.9600,Plg15.0000°,Azm82.0000° $M_0$1.10000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s70,c91; s114,c178; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.67±.01; $M_{r\theta}$-0.04±.05; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$1.05±.04; Best double couple: NP1:ϕ_s356.00000°,δ74.00000° ,λ96.00000°. NP2:ϕ_s156.00000°,δ17.00000°,λ71.00000°. Principal axes: T 1.2220,Plg61.0000°,Azm275.0000°; N 0.0550,Plg6.0000°,Azm175.0000° ; P -1.2760,Plg29.0000°,Azm82.0000° $M_0$1.24900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=168.0.
MOS Error ellipse: s-maj=9.0km s-min=4.6km az=112.6.
IDC Error ellipse: s-maj=12.9km s-min=7.8km az=81.0.
MAN VII 18 08 29 25.4 11.76N 126.09E 101 4.5b,3.3L
¶604683974
MAN VII 18 12 22 41.2 10.31N 126.53E 25 4.7b,3.6L
¶604683975
ISC VII 18 13 41 09.9–2.3 11.30N–.05 126.23E–.08 5–14 4.1b 40 1-85
ISCJB VII 18 13 41 08.7–2.1 11.31N–.04 126.42E–.06 13–13 4.0b,3.1s **¶601473893**
IDC VII 18 13 41 09.1–.78 11.26N 126.15E 0 4.1,4.0b
NEIC VII 18 13 41 10.6–.48 11.27N 126.15E 10 4.5b,4.0b
MAN VII 18 13 41 15.1 11.46N 126.04E 25 4.9b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=176.8.
IDC Error ellipse: s-maj=47.4km s-min=13.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=7.9km az=70.0.
MAN VII 18 14 03 08.9 15.82N 123.04E 75 4.8b,3.7L
¶604683976
MAN VII 18 14 47 06.6 10.84N 126.30E 92 4.7b,3.5L
¶604683977
ISC VII 18 16 28 05.0–1.3 20.31N–.10 121.4E–.10 35 3.3b 8 1-45
IDC VII 18 16 27 59.7–4.1 20.32N 121.56E 0 3.4,3.2 **¶601664794**
ISCJB VII 18 16 28 03.6–1.1 20.33N–.08 121.31E–.10 35 3.1b,3.2
MAN VII 18 16 28 05.7 19.99N 122.02E 26 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=324.9km s-min=26.2km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=8.8km az=40.0.
ISC VII 22 05 59 55.9–2.6 11.19N–.05 126.26E–.08 12–16 3.9b 24 1-85
IDC VII 22 05 59 53.8–2.0 11.27N 126.39E 0 4.0,3.9 **¶601664948**
ISCJB VII 22 05 59 55.4–1.5 11.24N–.05 126.34E–.06 23–10 3.9b,3.9
MAN VII 22 05 59 57.5 11.24N 126.24E 22 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=195.3km s-min=18.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.5km az=149.8.
MAN VII 22 18 42 48.0 7.57N 127.07E 23 4.7b,3.5L
¶604683994
ISC VII 24 17 22 25.3–1.1 11.28N–.06 126.23E–.07 10 3.5b 16 1-117
ISCJB VII 24 17 22 23.4–.94 11.26N–.07 126.42E–.06 10 3.6b **¶601666383**
IDC VII 24 17 22 23.6–1.4 11.23N 126.39E 0 3.7,3.6
MAN VII 24 17 22 24.3 11.28N 126.27E 1 4.9b,3.8L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.2km az=31.2.
IDC Error ellipse: s-maj=116.3km s-min=21.4km az=67.0.
ISC VII 25 02 33 10.5–1.4 10.58N–.08 126.6E–.10 44 4.1b 14 1-120
IDC VII 25 02 33 02.7–2.8 10.35N 126.85E 0 4.0,4.0 **¶601666399**
MAN VII 25 02 33 07.8 10.55N 126.72E 23 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=192.1km s-min=67.0km az=61.0.
ISC VII 25 10 09 52.7–.61 5.61N–.04 127.13E–.06 110–5 4.7b 175 1-130
BJI VII 25 10 09 48.0 5.32N 127.29E 106 4.8b,4.8b **¶601468254**
MAN VII 25 10 09 50.1 5.60N 127.22E 62 5.2b,4.3s
ISCJB VII 25 10 09 51.2–.43 5.63N–.02 127.10E–.04 110–4 4.6b,4.3s
MOS VII 25 10 09 52.5–.88 5.59N 127.09E 125 4.8b,4.3s
IDC VII 25 10 09 52.9–1.2 5.57N 126.99E 112–9 4.5,4.2
DJA VII 25 10 09 53.0–1.2 6N–4.0 127E–5.0 26–10 5.3b,5.1
NEIC VII 25 10 09 54.1–.65 5.63N 127.10E 124–6 4.5b,5.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.4km az=163.6.
MOS Error ellipse: s-maj=16.1km s-min=6.5km az=113.7.
IDC Error ellipse: s-maj=15.6km s-min=10.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=74.0.
ISC VII 25 19 42 09.5–.92 20.69N–.09 121.3E–.10 36 3.5b 34 4-50
IDC VII 25 19 42 04.1–.86 20.60N 121.09E 0 3.7,3.6 **¶601666437**
JMA VII 25 19 42 07.0–.40 20.95N 121.31E 0 4.0,3.6
ISCJB VII 25 19 42 08.1–.68 20.73N–.06 121.38E–.08 36 3.5b,2.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 25 21 23 15.5–.67 19.11N–.08 121.2E–.10 39 3.6b,3.1s 18 2-150
ISCJB VII 25 21 23 14.9–.55 19.22N–.06 121.1E–.10 39 3.7b,3.1s **¶601666441**
IDC VII 25 21 23 19.4–2.9 19.02N 121.24E 81–27 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.2km az=164.1.
IDC Error ellipse: s-maj=28.3km s-min=12.5km az=69.0.
ISC VII 25 21 38 47.8–.78 19.15N–.07 121.2E–.20 46 3.7b 18 2-115
ISCJB VII 25 21 38 46.9–.59 19.20N–.06 121.2E–.10 46 3.8b,2.8s **¶601666442**
IDC VII 25 21 38 52.8–2.4 19.12N 121.43E 95–23 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.4km az=167.2.
IDC Error ellipse: s-maj=21.4km s-min=12.4km az=82.0.
MAN VII 26 19 09 25.5 10.25N 126.03E 23 4.7b,3.6L
¶604684028
MAN VII 27 14 24 14.7 7.75N 127.63E 5 5.1b,4.1s
¶604684035
ISC VII 31 02 07 28.5–.88 6.02N–.04 127.00E–.07 85–7 4.5b 100 1-122
ISCJB VII 31 02 07 27.5–.55 6.07N–.03 127.03E–.06 93–4 4.5b **¶601497420**
NEIC VII 31 02 07 28.6–.77 6.16N 127.20E 92–6 4.5b
BJI VII 31 02 07 29.6 5.90N 127.11E 122 5.0b,4.6b
IDC VII 31 02 07 29.4–2.4 6.16N 127.12E 97–17 4.5,4.2
MAN VII 31 02 07 29.0 6.05N 126.92E 60 4.7b,3.6L
DJA VII 31 02 07 34.9–.60 6N–4.0 127E–4.0 70 4.9b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 31 21 58 15.1–1.2 21.0N–.20 121.9E–.30 35 3.4b,3.1s 7 14-81
IDC VII 31 21 58 10.3–1.3 20.92N 121.77E 0 3.7,3.6 **¶601650850**
ISCJB VII 31 21 58 13.3–.83 20.9N–.10 121.7E–.20 33 3.5b,3.1s
ISC Event type ke.
ISCJB Event type ke.
MAN VIII 02 17 54 05.3 5.53N 127.07E 83 4.9b,3.8L
¶604684071
MAN VIII 03 09 37 58.5 10.16N 126.56E 2 4.9b,3.8L
¶604684077
ISC VIII 04 13 10 00.9–2.1 11.54N–.09 126.2E–.10 33 3.3b 10 1-55
IDC VIII 04 13 09 52.1–1.1 11.67N 127.31E 0 3.6,3.5 **¶601765452**
MAN VIII 04 13 10 00.6 11.39N 126.05E 12 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=20.7km az=77.0.
MAN VIII 04 15 35 15.9 10.94N 126.13E 1 4.6b,3.5L
¶604684085
ISC VIII 05 12 40 42.3–1.1 10.00N–.03 126.06E–.06 54–10 4.2b,2.8s 104 1-151
MAN VIII 05 12 40 41.9 10.03N 126.03E 18 4.7b,3.6L **¶601565554**
IDC VIII 05 12 40 41.6–6.0 9.95N 125.80E 52–54 4.0,3.9
ISCJB VIII 05 12 40 42.5–.54 9.98N–.03 126.01E–.06 74–5 4.2b,3.9
NEIC VIII 05 12 40 44.0–1.4 9.91N 125.71E 71–12 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=12.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.1km az=166.4.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=72.0.
ISC VIII 07 05 03 43.4–.46 13.84N–.03 119.84E–.04 32–3 4.7b,3.7s 258 0-152
BJI VIII 07 05 03 40.8 13.81N 120.29E 30 5.1b,4.7b **¶601521558**
MOS VIII 07 05 03 41.9–.90 13.88N 120.06E 33 5.0b,4.7b
MAN VIII 07 05 03 42.7 13.81N 119.76E 32 5.7b,5.0s
ISCJB VIII 07 05 03 44.0–.35 13.86N–.02 119.97E–.03 51–3 4.7b,3.7s
NEIC VIII 07 05 03 45.9–.55 13.85N 120.03E 55–5 4.8b,3.7s
IDC VIII 07 05 03 47.0–1.4 13.90N 120.06E 63–12 4.5,4.3
DJA VIII 07 05 04 04.1–2.5 13N–19 120E–8.0 126–15 5.3b,5.3
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV PIVS] at Lubang. Felt [II] at Manila, [II PIVS] at Olongapo, Pasay, Sampaloc and San Francisco and [I PIVS] at Quezon City, Luzon. Also felt at Cainta and Mabayo.
ISC VIII 07 19 13 25.7–1.1 17.81N–.06 119.82E–.08 33 3.2b 14 1-46
IDC VIII 07 19 13 20.5–1.2 17.61N 119.89E 0 3.5,3.4b **¶601765619**
ISCJB VIII 07 19 13 25.7–.94 17.96N–.07 119.68E–.06 33 3.3b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 08 19 52 36.7–.69 20.03N–.06 122.41E–.09 36 3.8b 34 2-74
IDC VIII 08 19 52 31.4–.75 19.91N 122.36E 0 3.8,3.8 **¶601734839**
ISCJB VIII 08 19 52 34.7–.51 20.07N–.05 122.47E–.08 36 3.9b,3.1s
JMA VIII 08 19 52 36.0–.40 20.46N 122.25E 0 3.9,3.1s
NEIC VIII 08 19 52 37.7–2.3 19.94N 122.43E 49–24 4.6b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=13.5km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.0km az=27.1.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.0km az=70.0.
MAN VIII 10 15 21 39.8 5.21N 127.44E 124 5.3b,4.5s
¶604684117
MAN VIII 10 19 59 19.8 10.16N 126.19E 39 4.4b,3.3L
¶604684120
ISC VIII 11 17 21 04.7–1.3 20.82N–.09 122.4E–.10 35 3.5b 31 3-46
IDC VIII 11 17 20 59.3–1.3 20.48N 122.22E 0 3.8L,3.7 **¶601765757**
NIED VIII 11 17 21 00 21.20N 122.00E 5 3.9W,3.7
JMA VIII 11 17 21 05.3–.30 21.15N 121.97E 27 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=24.3km az=73.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s111.00000°,δ22.00000°,λ-65.00000°. NP2:ϕ_s265.00000°,δ70.00000°,λ-100.00000°. $M_0$7.53000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
MAN VIII 12 18 05 43.1 6.38N 127.03E 45 4.9b,3.8L
¶604684132
MAN VIII 19 10 48 44.6 10.37N 126.34E 0 4.6b,3.4L
¶604684161
ISC VIII 21 17 38 14.1–1.2 10.85N–.06 126.4E–.10 37 3.5b 16 1-56
IDC VIII 21 17 38 07.2–2.4 10.88N 126.84E 0 3.6,3.5 **¶601766263**
ISCJB VIII 21 17 38 11.4–.87 10.75N–.07 126.51E–.07 37 3.4b,3.5
MAN VIII 21 17 38 13.9 10.86N 126.12E 4 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=156.3km s-min=19.7km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=9.8km az=139.3.
IDC VIII 22 12 50 36.8–2.7 13.38N 125.19E 0 3.6,3.5
¶601766301
IDC Error ellipse: s-maj=252.7km s-min=21.3km az=67.0.
ISC VIII 23 02 34 45.6–2.0 15.35N–.04 122.11E–.08 4–13 3.4b 16 1-50
MAN VIII 23 02 34 45.1 15.28N 122.07E 2 4.6b,3.5L **¶604684178**
IDC VIII 23 02 34 49.9–1.2 14.27N 119.32E 0 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=14.1km az=19.0.
IDC VIII 23 03 28 35.9–1.2 19.41N 121.79E 0 3.9L,3.8
¶601766335
IDC Error ellipse: s-maj=50.9km s-min=25.0km az=69.0.
MAN VIII 23 12 03 30.2 15.24N 122.13E 11 4.5b,3.4L
¶604684179
MAN VIII 23 14 30 20.3 15.48N 122.01E 1 4.6b,3.4L
¶604684181
ISC VIII 24 05 41 03.3–1.8 15.41N–.04 122.26E–.09 14–11 3.6b 15 1-50
IDC VIII 24 05 40 59.9–1.5 15.37N 122.56E 0 4.7L,3.9 **¶601766387**
MAN VIII 24 05 41 07.2 15.36N 121.71E 15 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=23.2km az=78.0.
IDC VIII 25 03 41 30.6–1.7 6.33N 127.29E 0 3.8,3.7
¶601766428
IDC Error ellipse: s-maj=119.1km s-min=18.0km az=70.0.
MAN VIII 25 21 16 27.8 20.36N 122.24E 33 4.1b,2.9L
¶604684191
MAN VIII 26 14 02 25.6 19.48N 121.53E 2 4.5b,3.3L
¶604684194
IDC VIII 26 23 15 45.4–10 20.59N 120.59E 0 3.7,3.7
¶601766515
IDC Error ellipse: s-maj=359.7km s-min=172.8km az=36.0.
ISC VIII 27 05 03 02.1–1.0 6.63N–.08 127.0E–.10 50 3.8b 15 1-122
IDC VIII 27 05 02 55.1–.99 6.88N 127.34E 0 3.9,3.8 **¶601766537**
ISCJB VIII 27 05 03 01.0–.83 6.64N–.06 127.07E–.07 50 3.7b,3.8
MAN VIII 27 05 03 03.3 6.73N 126.88E 26 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=20.1km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.7km az=160.5.
ISC VIII 29 00 23 37.5–1.5 10.05N–.04 126.34E–.07 31–11 3.8b 38 1-94
IDC VIII 29 00 23 32.3–.74 10.21N 126.51E 0 4.5L,4.0 **¶601712941**
NEIC VIII 29 00 23 37.5–.42 10.16N 126.42E 35 4.2b,4.0
MAN VIII 29 00 23 40.7 9.98N 126.13E 20 4.2b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=30.4km s-min=14.6km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=8.3km az=70.0. Felt [II PIVS] at Del Carmen, Siargao Island.
ISC VIII 29 21 39 55.0–1.6 7.26N–.06 127.08E–.07 31–13 3.5b 21 1-97
IDC VIII 29 21 39 50.5–1.0 7.30N 127.20E 0 3.9,3.8 **¶601755583**
ISCJB VIII 29 21 39 55.8–1.1 7.12N–.05 127.11E–.07 50–13 3.7b,3.8
MAN VIII 29 21 39 57.8 7.12N 126.87E 17 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=20.8km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.9km az=161.0.
IDC VIII 30 21 21 21.4–1.5 19.98N 120.93E 0 3.8,3.7
¶601755638
IDC Error ellipse: s-maj=64.7km s-min=20.4km az=58.0.
ISC VIII 31 02 33 00.8–.66 20.95N–.03 122.10E–.06 169–5 3.8b 187 1-86
ISCJB VIII 31 02 33 01.3–.33 21.06N–.03 121.96E–.04 177–2 3.7b **¶601664252**
MAN VIII 31 02 33 01.8 20.78N 122.35E 147 4.8b,3.8L
TAP VIII 31 02 33 02.1 21.10N 122.14E 166–0 4.8L,3.8L
IDC VIII 31 02 33 04.7–3.3 20.92N 122.25E 207–32 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=170.0.
TAP C.
IDC Error ellipse: s-maj=16.2km s-min=11.2km az=75.0.
ISC VIII 31 03 22 14.5–2.0 13.69N–.04 125.44E–.06 0–12 4.0b 40 1-99
IDC VIII 31 03 22 14.6–.72 13.59N 125.55E 0 4.2,4.1b **¶601712943**
MAN VIII 31 03 22 16.9 13.78N 125.46E 28 4.9b,3.8L
NEIC VIII 31 03 22 19.4–.46 13.67N 125.79E 35 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=12.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.1km az=64.0.
ISC VIII 31 12 47 35.5–.30 10.81N–.02 126.83E–.02 44–2 7.6s,7.1b 3082 2-173
IDC VIII 31 12 47 29.2–.23 10.75N 126.75E 0 7.4,7.4s **¶601667544**
MAN VIII 31 12 47 31.4 10.92N 127.05E 51 7.6s,7.3b
MOS VIII 31 12 47 32.4–.88 10.73N 126.74E 33 7.4s,7.3b
NEIC VIII 31 12 47 33.4–.07 10.81N 126.64E 28 7.9,7.6W
BJI VIII 31 12 47 33.0 10.77N 126.76E 31 7.5b,7.5s
ISCJB VIII 31 12 47 34.7–.28 10.79N–.01 126.69E–.01 49–2 7.5s,7.0b
NEIC VIII 31 12 47 34.0–.00 10.93N 126.98E 50 7.5s,7.0b
DJA VIII 31 12 47 37.2–.30 11N–2.0 127E–2.0 63–3 8.3,7.8
KLM VIII 31 12 47 39.0 10.75N 126.85E 77 7.2b,7.8
GCMT VIII 31 12 47 43.4–.10 10.85N–.01 126.97E 45–0 7.6W,7.8
NEIC VIII 31 12 47 58.0–.00 10.99N 127.03E 44 7.6W,7.8
ISC Event type de.
IDC Error ellipse: s-maj=9.1km s-min=6.9km az=68.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=114.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s189.00000°,δ58.00000°,λ91.00000°. NP2: ϕ_s6.00000°,δ32.00000°,λ88.00000°. Principal axes: T Plg77.0000°,Azm103.0000° ; N Plg1.0000°,Azm8.0000°; P Plg13.0000°,Azm278.0000° $M_0$2.80000×10^{20}
NEIC Event type de. Error ellipse: s-maj=2.8km s-min=2.4km az=64.0. One person killed and one injured at Cagayan de Oro, Mindanao. Several roads and bridges damaged and power outages occurred in several towns. A small landslide occurred on Mindanao. A local tsunami with wave heights of 0.03 meters observed at Davao, Mindanao and at Daet and Legaspi City, Luzon. Felt [VII PIVS] at Borongan, General MacArthur, Guiuan, Llorente, Oras and Sulat and [VI PIVS] at San Julian, Samar. Also felt [VII PIVS] at Tacloban and [VI PIVS] at Palo, Leyte. Felt [VI PIVS] on Siargao Island. Felt [V PIVS] at Duero, Tagbilaran City and Talibon, Bohol; Panganiban, Catanduanes Island; Cebu City, Cebu; Legaspi City and Sorsogon, Luzon; Barobo, Bislig, Butuan, Carrascal, Cateel, Compostela, Davao, Lingig, Mati and Tandag, Mindanao; Iloilo and Roxas City, Panay. Felt [IV PIVS] at Masbate, Masbate and at Bacolod and Dumaguete, Negros. Felt [III PIVS] at Mambajao, Camiguin Island, at Jordan, Guimaras Island and at Siquijor, Siquijor Island. Felt [III] on Pulau Ternate, Indonesia. Also felt at Koror, Palau. Complex earthquake observed on broadband displacement seismograms, with at least one large event occurring about 3 seconds after a small event. Depth and focal mechanism based on larger event. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$4.40000×10^{20} Moment Tensor Solution. s63 Moment tensor: Scale 10^{20} Nm; M_{rr}2.33 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.42 Best double couple: NP1: ϕ_s189.00000°,δ50.00000°,λ98.00000°. NP2:ϕ_s358.00000°,δ40.00000°,λ81.00000°. Principal axes: T 2.3800,Plg82.0000°,Azm144.0000°; N 0.4200,Plg6.0000°,Azm5.0000° ; P -2.8000,Plg5.0000°,Azm274.0000° $M_0$2.60000×10^{20} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s301.00000°,δ59.00000°,λ30.00000°. NP2: ϕ_s195.00000°,δ65.00000°,λ145.00000°. Principal axes: T Plg42.0000°,Azm156.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm250.0000°
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=157.5.
NEIC Event type se. Moment Tensor Solution. s100 Moment tensor: Scale 10^{20}Nm; M_{rr}2.69 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-3.16 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s201.00000° ,δ50.00000°,λ114.00000°. NP2:ϕ_s346.00000°,δ46.00000°,λ64.00000°. Principal axes: T 2.9800,Plg71.0000°,Azm177.0000°; N 0.2000,Plg18.0000°,Azm4.0000° ; P -3.1800,Plg2.0000°,Azm273.0000° $M_0$3.10000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s154,c421; s152,c757; Duration: 15s7 Moment tensor: Scale 10^{20}Nm; M_{rr}2.97±.01 $M_{\theta\theta}$0.53±.01; $M_{\phi\phi}$-3.50±.01; $M_{r\theta}$-0.75±.03; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$-0.43±.03; Best double couple: NP1:ϕ_s197.00000° ,δ51.00000°,λ110.00000°. NP2:ϕ_s347.00000°,δ43.00000°,λ67.00000°. Principal axes: T 3.2030,Plg74.0000°,Azm168.0000°; N 0.3350,Plg15.0000°,Azm4.0000° ; P -3.5380,Plg4.0000°,Azm273.0000° $M_0$3.37000×10^{20}
NEIC Event type se. Moment Tensor Solution. s181 Moment tensor: Scale 10^{20}Nm; M_{rr}3.25 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-3.48 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.49 Best double couple: NP1:ϕ_s190.00000° ,δ50.00000°,λ97.00000°. NP2:ϕ_s359.00000°,δ41.00000°,λ82.00000°. Principal axes: T 3.3200,Plg83.0000°,Azm147.0000°; N 0.2300,Plg5.0000°,Azm6.0000° ; P -3.5400,Plg4.0000°,Azm275.0000° $M_0$3.40000×10^{20}
ISC VIII 31 13 02 11.0–.43 11.04N–.05 127.00E–.08 35 4.8b 56 3-147

IDC VIII 31 13 02 05.9–.48 11.00N 127.03E 0 4.9,4.8 **¶601755660**
ISCJB VIII 31 13 02 08.6–.30 11.01N–.03 127.14E–.08 33 4.7b,4.8
NEIC VIII 31 13 02 10.8–.26 11.01N 127.14E 35 4.8b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=10.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.9km az=179.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.8km az=86.0.
ISC VIII 31 13 05 13.2–.46 10.61N–.06 126.81E–.07 20 4.5b 50 3-146
IDC VIII 31 13 05 10.2–.49 10.63N 126.80E 0 4.7,4.6 **¶601755661**
ISCJB VIII 31 13 05 11.2–.31 10.60N–.04 126.85E–.05 20 4.6b,4.6
NEIC VIII 31 13 05 15.2–.24 10.59N 126.82E 35 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=10.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=177.5.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=85.0.
ISC VIII 31 13 06 19.7–.62 10.47N–.09 126.3E–.20 35 4.7b 27 4-168
IDC VIII 31 13 06 15.2–.66 10.57N 126.73E 0 4.6,4.6 **¶601755662**
ISCJB VIII 31 13 06 17.7–.51 10.45N–.07 126.6E–.10 33 4.5b,4.6
NEIC VIII 31 13 06 20.3–.39 10.58N 126.80E 35 4.9b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=14.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.3km az=174.5.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=8.6km az=78.0.
ISC VIII 31 13 08 24.2–.61 10.68N–.09 126.8E–.10 44 4.7b 38 10-146
IDC VIII 31 13 08 18.0–.62 10.64N 126.64E 0 4.6,4.6 **¶601670424**
ISCJB VIII 31 13 08 22.1–.41 10.66N–.06 126.74E–.08 44 4.5b,4.6
NEIC VIII 31 13 08 22.6–.37 10.58N 126.79E 35 4.9b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=13.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=8.0km az=5.3.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.5km az=84.0.
ISC VIII 31 13 08 42.8–.40 10.40N–.06 126.71E–.09 44 4.8b 54 3-171
IDC VIII 31 13 08 36.4–.39 10.42N 126.75E 0 4.9,4.8 **¶601755665**
ISCJB VIII 31 13 08 40.8–.36 10.39N–.05 126.77E–.07 44 4.7b,4.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 13 11 11.4–1.0 10.5N–.20 126.8E–.30 20 4.5b 17 27-93
IDC VIII 31 13 11 08.2–1.1 10.47N 126.84E 0 4.3,4.3 **¶601755669**
ISCJB VIII 31 13 11 09.5–.86 10.5N–.10 126.9E–.20 20 4.3b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 13 14 57.1–.26 10.55N–.03 126.99E–.04 20 5.3b 433 2-168
BJI VIII 31 13 14 53.6 10.28N 127.03E 22 5.6b,5.5s **¶601667546**
IDC VIII 31 13 14 54.0–.31 10.49N 126.81E 0 5.2,5.1
MAN VIII 31 13 14 54.7 10.72N 127.09E 33 6.7b,6.6s
ISCJB VIII 31 13 14 55.8–.15 10.61N–.02 126.94E–.02 20 5.2b,6.6s
MOS VIII 31 13 14 57.2–1.3 10.55N 126.92E 33 5.5b,6.6s
KLM VIII 31 13 14 57.0 10.71N 127.00E 25 5.6b,6.6s
NEIC VIII 31 13 14 59.4–.18 10.56N 126.93E 35 5.3b,6.6s
DJA VIII 31 13 15 01.2–.40 11N–3.0 127E–3.0 50–4 6.2,5.9
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Butuan, Mindanao and at Catbalogan, Samar.
ISC VIII 31 13 16 14.0–.42 10.37N–.06 126.70E–.09 35 5.0b 61 10-168
IDC VIII 31 13 16 09.4–.52 10.48N 126.80E 0 5.0,4.9 **¶601755670**
ISCJB VIII 31 13 16 11.7–.30 10.33N–.04 126.81E–.06 35 4.9b,4.9
NEIC VIII 31 13 16 14.0–.29 10.37N 126.78E 35 5.2b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=12.6km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.7km az=3.5.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=92.0.
ISC VIII 31 13 17 46.5–.36 10.48N–.06 126.8E–.10 20 4.8b 81 12-168
IDC VIII 31 13 17 43.6–.37 10.52N 126.79E 0 4.8,4.8 **¶601755671**
ISCJB VIII 31 13 17 44.6–.25 10.48N–.04 126.81E–.07 20 4.7b,4.8
NEIC VIII 31 13 17 48.5–.21 10.50N 126.78E 35 4.9b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=8.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.2km az=166.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=77.0.
ISC VIII 31 13 19 50.6–3.5 10.1N–.70 126.7E–.30 42 4.6b 13 50-94
IDC VIII 31 13 19 43.4–3.4 9.81N 126.67E 0 4.5,4.5 **¶601755672**
ISC Event type ke.
IDC Error ellipse: s-maj=94.4km s-min=41.5km az=178.0.
ISC VIII 31 13 27 19.8–.50 10.63N–.04 127.09E–.07 20 4.4b 61 2-146
IDC VIII 31 13 27 16.8–.53 10.62N 126.92E 0 4.4,4.3 **¶606588146**
ISCJB VIII 31 13 27 18.2–.41 10.62N–.05 127.01E–.06 20 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 13 27 30.2–.64 10.56N–.03 126.95E–.04 23–4 5.2b 495 2-168
MAN VIII 31 13 27 21.7 10.83N 127.18E 108 6.5b,6.3s **¶601833316**
BJI VIII 31 13 27 25.6 10.01N 127.12E 35 5.5b,5.4s
IDC VIII 31 13 27 26.1–.32 10.67N 127.22E 0 5.1,5.1
KLM VIII 31 13 27 28.0 10.40N 127.06E 0 5.7b,5.1
ISCJB VIII 31 13 27 28.9–1.1 10.58N–.02 126.92E–.02 23–8 5.4s,5.2b
MOS VIII 31 13 27 29.0–2.0 10.58N 126.98E 31 5.5b,5.2b
DJA VIII 31 13 27 31.8–.70 11N–3.0 127E–2.0 35–5 6.4,6.3b
NEIC VIII 31 13 27 32.0–.21 10.49N 126.89E 35 5.4b,6.3b
ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=8.3km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.5km az=170.5.
MOS Error ellipse: s-maj=10.0km s-min=4.9km az=116.5.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=90.0. Felt at Cebu City and Talisay, Cebu and at Cagayan de Oro, Mindanao.
ISC VIII 31 13 30 34.5–.48 10.53N–.08 126.8E–.10 20 4.4b 52 6-146
IDC VIII 31 13 30 31.6–.58 10.56N 126.82E 0 4.5,4.4 **¶601755676**
ISCJB VIII 31 13 30 32.8–.37 10.55N–.05 126.85E–.08 20 4.3b,4.4
NEIC VIII 31 13 30 36.6–.29 10.53N 126.84E 35 4.5b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=13.5km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.7km az=0.1.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=90.0.
ISC VIII 31 13 31 38.5–1.1 10.43N–.04 126.90E–.06 46–9 5.0b 238 2-168
IDC VIII 31 13 31 31.8–.36 10.45N 126.92E 0 6.2,6.2s **¶601667550**
ISCJB VIII 31 13 31 33.8–1.4 10.45N–.03 126.95E–.03 22–10 4.9b,6.2s
MAN VIII 31 13 31 33.2 10.45N 126.87E 7 5.0b,4.0L
BJI VIII 31 13 31 33.8 10.01N 127.13E 47 5.1b,5.1s
MOS VIII 31 13 31 35.4–1.1 10.53N 126.97E 33 5.4b,5.1s
NEIC VIII 31 13 31 37.4–.17 10.46N 126.92E 35 5.2b,5.1s
KLM VIII 31 13 31 41.0 10.60N 126.52E 40 5.4b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=9.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=136.7.
MOS Error ellipse: s-maj=12.1km s-min=5.9km az=112.5.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=86.0.
IDC VIII 31 13 34 32.3–12 10.67N 127.41E 0 4.3,4.2
¶601755677
IDC Error ellipse: s-maj=359.1km s-min=60.4km az=7.0.
ISC VIII 31 13 36 30.2–.30 10.45N–.04 126.94E–.05 20 4.8b 196 2-168
MAN VIII 31 13 36 22.5 10.69N 127.56E 34 6.1b,5.7s **¶601667551**
IDC VIII 31 13 36 26.7–.33 10.42N 126.84E 0 4.9,4.8
ISCJB VIII 31 13 36 28.5–.18 10.44N–.02 126.96E–.03 20 4.8b,4.7s
BJI VIII 31 13 36 28.0 10.03N 127.18E 42 5.2b,5.0b
NEIC VIII 31 13 36 32.1–.16 10.41N 126.93E 35 4.9b,5.0b
KLM VIII 31 13 36 34.0 10.19N 127.15E 71 5.2b,5.0b
DJA VIII 31 13 36 34.5–1.0 10N–4.0 127E–4.0 37–10 6.6b,6.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 31 13 37 32.0–.34 10.77N–.05 126.79E–.08 35 4.8b 153 3-168
IDC VIII 31 13 37 26.8–.46 10.75N 126.74E 0 6.2,6.2s **¶601755683**
ISCJB VIII 31 13 37 30.0–.25 10.73N–.04 126.89E–.06 33 5.5s,4.7b
NEIC VIII 31 13 37 31.8–.23 10.76N 126.82E 35 4.7b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=11.6km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=168.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=83.0.
ISC VIII 31 13 39 13.8–.36 10.45N–.05 126.90E–.08 20 4.9b 129 3-164
IDC VIII 31 13 39 10.6–.38 10.47N 126.94E 0 4.9,4.8 **¶601755684**
ISCJB VIII 31 13 39 11.9–.22 10.41N–.03 126.91E–.05 20 4.8b,4.8
NEIC VIII 31 13 39 15.7–.18 10.43N 126.85E 35 4.9b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=174.1.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=85.0.
ISC VIII 31 13 40 33.3–.98 10.48N–.05 126.82E–.06 40–9 5.0b 230 3-146
BJI VIII 31 13 40 26.2 10.19N 126.88E 21 5.5s,5.3 **¶601667552**
IDC VIII 31 13 40 27.6–.36 10.48N 126.77E 0 4.9,4.9
ISCJB VIII 31 13 40 30.8–.21 10.49N–.03 126.88E–.04 33 5.0b,4.9
MOS VIII 31 13 40 31.0–1.1 10.54N 126.72E 32 5.5b,4.9
NEIC VIII 31 13 40 32.7–.20 10.48N 126.80E 35 4.9b,4.9
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=9.0km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=175.7.
MOS Error ellipse: s-maj=11.2km s-min=5.4km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.5km az=89.0. Felt at Barra and Bislig, Mindanao and at Bacolod, Negros.
ISC VIII 31 13 43 55.9–.98 10.0N–.10 127.2E–.20 41 4.4b 18 26-146
IDC VIII 31 13 43 51.3–1.9 10.04N 126.91E 0 4.3,4.3 **¶601755685**
ISCJB VIII 31 13 43 53.7–.90 10.0N–.10 127.2E–.10 41 4.3b,4.3
NEIC VIII 31 13 43 55.4–.73 10.03N 127.22E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=81.8km s-min=43.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=13.5km az=22.3.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=13.7km az=107.0.
ISC VIII 31 13 45 13.4–.49 10.40N–.09 126.8E–.10 20 4.4b 52 21-146
IDC VIII 31 13 45 10.3–.50 10.42N 126.77E 0 4.4,4.3 **¶601755686**
ISCJB VIII 31 13 45 11.5–.33 10.39N–.05 126.80E–.08 20 4.3b,4.3
NEIC VIII 31 13 45 15.5–.21 10.40N 126.79E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.0km az=167.4.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.6km az=77.0.
ISC VIII 31 13 48 06.3–.48 10.37N–.08 127.0E–.10 20 4.3b 59 16-146
IDC VIII 31 13 48 03.3–.46 10.42N 126.99E 0 4.4,4.3 **¶601755687**
ISCJB VIII 31 13 48 04.5–.32 10.37N–.05 127.00E–.08 20 4.3b,4.3
NEIC VIII 31 13 48 08.3–.27 10.38N 127.02E 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=10.4km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.4km az=171.3.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.4km az=80.0.
ISC VIII 31 13 51 26.6–.44 10.77N–.06 126.75E–.07 35 4.3b 68 2-146
IDC VIII 31 13 51 21.8–.49 10.82N 126.75E 0 4.4,4.3 **¶601755688**
ISCJB VIII 31 13 51 24.9–.28 10.80N–.04 126.74E–.04 33 4.2b,4.3
NEIC VIII 31 13 51 26.9–.24 10.81N 126.82E 35 4.4b,4.3
MAN VIII 31 13 51 28.5 10.86N 126.38E 19 4.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=10.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=153.3.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=83.0.
ISC VIII 31 13 55 08.7–3.4 10.62N–.04 126.87E–.06 29–25 4.4b 108 2-146
IDC VIII 31 13 55 04.4–.38 10.57N 126.77E 0 4.4,4.4 **¶601667554**
ISCJB VIII 31 13 55 05.7–1.8 10.61N–.03 126.90E–.04 20–13 4.4b,4.4
MAN VIII 31 13 55 05.4 10.71N 126.94E 22 5.2b,4.3s
NEIC VIII 31 13 55 09.4–.21 10.55N 126.81E 35 4.4b,4.3s
DJA VIII 31 13 55 14.9–1.7 10N–11 127E–10 47–12 4.8,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VIII 31 14 06 22.3–2.1 10.34N 126.36E 0 3.7,3.6
¶601755690
IDC Error ellipse: s-maj=193.8km s-min=20.9km az=67.0.
ISC VIII 31 14 07 00.2–.75 10.74N–.10 126.8E–.20 20 4.1b 31 17-92
IDC VIII 31 14 06 57.2–.85 10.74N 126.68E 0 4.1,4.1 **¶606588149**
ISCJB VIII 31 14 06 58.2–.52 10.72N–.07 126.8E–.10 20 4.0b,4.1
NEIC VIII 31 14 07 02.1–.43 10.75N 126.87E 35 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=73.1km s-min=16.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=8.2km az=161.8.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.3km az=73.0.
ISC VIII 31 14 07 55.2–.69 10.59N–.10 126.8E–.20 20 4.2b 23 23-92
IDC VIII 31 14 07 52.2–.80 10.56N 126.69E 0 4.2,4.2 **¶601755696**
ISCJB VIII 31 14 07 53.2–.44 10.58N–.06 126.8E–.10 20 4.1b,4.2
NEIC VIII 31 14 07 57.2–.37 10.58N 126.82E 35 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=17.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=8.4km az=169.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.3km az=80.0.
ISC VIII 31 14 10 10.3–.75 10.6N–.10 126.9E–.30 20 4.2b 14 31-146
IDC VIII 31 14 10 07.3–.66 10.63N 126.89E 0 4.1,4.1 **¶601755697**
ISCJB VIII 31 14 10 08.2–.65 10.6N–.10 126.9E–.30 20 4.1b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 14 13 55.0–.72 11.02N–.06 126.7E–.10 37 4.2b 34 1-147
MAN VIII 31 14 13 50.5 11.13N 126.94E 82 4.2b **¶601755698**
IDC VIII 31 14 13 50.1–.90 10.88N 126.54E 0 4.3L,4.2
ISCJB VIII 31 14 13 52.7–.46 11.03N–.04 126.88E–.05 37 4.1b,4.2
NEIC VIII 31 14 13 55.3–.45 10.90N 126.58E 35 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=13.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.9km az=158.3.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=7.1km az=74.0.
ISC VIII 31 14 16 01.9–.73 10.50N–.03 126.69E–.05 29–5 4.8b 205 2-164
BJI VIII 31 14 15 55.6 9.96N 127.03E 33 5.4s,5.2 **¶601667557**
IDC VIII 31 14 15 57.2–.33 10.46N 126.60E 0 4.7,4.7
ISCJB VIII 31 14 15 58.2–1.2 10.56N–.02 126.75E–.02 13–7 4.7b,4.7
MAN VIII 31 14 15 59.7 10.64N 126.81E 33 5.5b,4.8s
KLM VIII 31 14 16 01.0 10.23N 126.70E 13 5.1b,4.8s
NEIC VIII 31 14 16 02.6–.15 10.47N 126.67E 35 4.9b,4.8s
DJA VIII 31 14 16 02.1–1.1 11N–7.0 127E–4.0 40–8 5.4b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 31 14 18 03.7–.80 10.5N–.10 126.9E–.10 20 4.5b 34 3-146
IDC VIII 31 14 18 00.3–1.1 10.63N 127.14E 0 4.5,4.4 **¶601755700**
ISCJB VIII 31 14 18 01.8–.50 10.50N–.06 126.9E–.10 20 4.4b,4.4
NEIC VIII 31 14 18 06.2–.38 10.46N 126.76E 35 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=82.6km s-min=16.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=8.3km az=164.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.8km az=73.0.
IDC VIII 31 14 24 16.8–2.5 10.87N 126.95E 0 3.8,3.8
¶601755701
IDC Error ellipse: s-maj=223.0km s-min=20.1km az=68.0.
IDC VIII 31 14 27 33.2–2.2 10.50N 126.74E 0 4.0,3.9
¶601667561
IDC Error ellipse: s-maj=199.0km s-min=20.7km az=68.0.
ISC VIII 31 14 28 03.0–.42 10.48N–.05 126.69E–.07 44 4.6b 92 2-146
IDC VIII 31 14 27 56.6–.45 10.46N 126.67E 0 4.5,4.5b **¶601755703**
BJI VIII 31 14 27 57.1 9.88N 126.48E 37 4.7b,4.5b
MAN VIII 31 14 28 00.3 10.58N 126.74E 40 4.8b,3.7L
ISCJB VIII 31 14 28 01.1–.30 10.51N–.04 126.73E–.04 44 4.5b,3.7L
NEIC VIII 31 14 28 01.6–.27 10.43N 126.69E 35 4.6b,3.7L

ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=10.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=137.2.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=88.0.
IDC VIII 31 14 29 33.9–1.5 10.25N 126.55E 0 4.0,3.9 ¶601755705

IDC Error ellipse: s-maj=148.5km s-min=20.3km az=69.0.
ISC VIII 31 14 38 43.2–.40 11.11N–.04 126.88E–.06 35 4.4b 107 1-147
DJA VIII 31 14 38 38.3–.50 11N–4.0 127E–8.0 10 5.9b,5.5 ¶601667563
IDC VIII 31 14 38 38.1–.44 11.00N 126.78E 0 5.5,5.5s
MAN VIII 31 14 38 40.1 11.13N 126.81E 21 5.2b,4.3s
ISCJB VIII 31 14 38 41.5–.25 11.10N–.03 126.87E–.03 33 5.3s,4.4b
NEIC VIII 31 14 38 43.0–.18 10.98N 126.81E 35 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=8.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=177.6.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.9km az=75.0.
ISC VIII 31 14 44 53.8–.34 10.81N–.04 126.69E–.05 37 4.5b 142 1-165
IDC VIII 31 14 44 48.2–.38 10.71N 126.55E 0 5.2s,5.2 ¶601667564
MAN VIII 31 14 44 50.7 10.84N 126.78E 42 5.2s,5.2
ISCJB VIII 31 14 44 51.9–.23 10.81N–.02 126.73E–.03 37 5.1s,4.5b
NEIC VIII 31 14 44 53.2–.22 10.73N 126.66E 35 4.5b,4.5b
DJA VIII 31 14 44 54.3–1.4 11N–8.0 127E–5.0 40–11 6.0b,5.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 31 14 47 28.9–1.1 10.26N–.10 127.1E–.20 24 3.9b 10 4-86
IDC VIII 31 14 47 24.8–1.4 10.37N 127.37E 0 4.1,4.0 ¶601755707
ISC Event type ke.
IDC Error ellipse: s-maj=103.6km s-min=17.6km az=73.0.
IDC VIII 31 14 53 08.2–2.4 10.48N 127.11E 0 3.8,3.7 ¶601755708

IDC Error ellipse: s-maj=217.9km s-min=21.4km az=68.0.
ISC VIII 31 14 54 55.9–.54 10.49N–.07 126.89E–.07 20 4.2b 57 2-146
IDC VIII 31 14 54 52.9–.54 10.45N 126.88E 0 4.3,4.3 ¶601755709
ISCJB VIII 31 14 54 54.0–.33 10.42N–.04 126.92E–.05 20 4.1b,4.3
NEIC VIII 31 14 54 58.0–.29 10.41N 126.83E 35 4.1b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=141.5.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.7km az=78.0.
ISC VIII 31 14 58 28.5–.83 10.7N–.10 126.7E–.10 37 4.1b 13 2-146
IDC VIII 31 14 58 23.2–.82 10.78N 126.75E 0 4.1,4.0 ¶601755711
ISCJB VIII 31 14 58 26.6–.66 10.74N–.10 126.73E–.09 37 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 14 59 57.7–1.1 10.45N–.03 126.96E–.05 35–9 5.0b 353 2-168
IDC VIII 31 14 59 51.8–.30 10.34N 126.80E 0 4.9,4.8 ¶601667565
MAN VIII 31 14 59 52.7 10.57N 127.07E 44 5.3b,4.4s
ISCJB VIII 31 14 59 53.6–.96 10.46N–.02 126.91E–.02 18–7 4.9b,4.4s
BJI VIII 31 14 59 53.7 10.20N 127.08E 35 5.5b,5.4s
MOS VIII 31 14 59 55.3–1.0 10.38N 126.82E 33 5.3b,5.4s
NEIC VIII 31 14 59 57.2–.16 10.38N 126.86E 35 4.9b,5.4s
KLM VIII 31 14 59 59.0 10.10N 127.00E 41 5.0b,5.4s
DJA VIII 31 14 59 59.3–.60 10N–4.0 127E–3.0 48–5 6.0b,5.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 31 15 06 45.1–1.4 10.7N–.20 126.7E–.20 35 3.7b 7 2-56
IDC VIII 31 15 06 39.8–2.7 10.82N 126.93E 0 3.7,3.6 ¶601755713
ISCJB VIII 31 15 06 42.6–1.0 10.8N–.20 126.8E–.10 33 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 14 02.7–1.5 10.6N–.20 126.8E–.20 20 3.7b 8 4-62
IDC VIII 31 15 13 59.0–2.2 10.65N 127.10E 0 3.7,3.6 ¶601755715
ISCJB VIII 31 15 14 00.2–.99 10.6N–.10 126.9E–.20 20 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 14 31.3–1.6 11.0N–.30 126.3E–.50 37 4.0b 7 27-61
IDC VIII 31 15 14 25.9–1.4 11.01N 126.31E 0 4.1,4.0 ¶601670425
ISCJB VIII 31 15 14 29.0–1.3 11.0N–.20 126.3E–.40 37 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 15 03.1–.57 10.46N–.07 126.89E–.08 20 4.4b 53 3-146
IDC VIII 31 15 15 00.0–.69 10.46N 126.77E 0 4.4,4.3 ¶601755716
ISCJB VIII 31 15 15 01.1–.41 10.45N–.05 126.90E–.05 20 4.1b,4.3
NEIC VIII 31 15 15 05.2–.34 10.49N 126.85E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=14.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.3km az=40.8.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=88.0.
ISC VIII 31 15 16 32.1–.82 10.7N–.10 127.0E–.20 35 4.1b 13 3-90
IDC VIII 31 15 16 26.1–1.5 10.85N 127.34E 0 4.2,4.1 ¶601755718
ISCJB VIII 31 15 16 29.9–.74 10.70N–.10 127.0E–.20 33 4.1b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 21 50.6–.47 10.41N–.06 126.84E–.07 20 4.3b 91 2-146
IDC VIII 31 15 21 47.5–.53 10.45N 126.80E 0 4.5,4.4 ¶601755720
ISCJB VIII 31 15 21 48.8–.29 10.49N–.03 126.93E–.05 20 4.3b,4.4
NEIC VIII 31 15 21 52.6–.28 10.43N 126.87E 35 4.5b,4.4
DJA VIII 31 15 22 02.2–.80 10N–4.0 126E–7.0 58–10 6.2b,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 31 15 24 07.1–.95 10.41N–.04 126.94E–.06 41–8 4.8b 171 2-168
IDC VIII 31 15 24 00.8–.38 10.36N 126.82E 0 4.7,4.6 ¶601667566
BJI VIII 31 15 24 02.0 10.04N 127.17E 41 5.1s,5.0
ISCJB VIII 31 15 24 03.6–1.4 10.41N–.03 126.97E–.03 28–10 4.7b,5.0
MAN VIII 31 15 24 03.6 10.51N 126.93E 69 5.3b,4.4s
NEIC VIII 31 15 24 06.0–.18 10.37N 126.91E 35 4.9b,4.4s
DJA VIII 31 15 24 07.7–.60 10N–4.0 127E–5.0 38–6 5.8b,5.4
KLM VIII 31 15 24 13.0 10.51N 127.07E 93 4.8b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=9.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.7km az=8.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=81.0.
IDC VIII 31 15 34 19.4–1.1 10.51N 126.65E 0 4.0,3.9 ¶601755724

IDC Error ellipse: s-maj=47.6km s-min=23.9km az=76.0.
ISC VIII 31 15 41 02.2–.93 10.89N–.06 126.83E–.10 35 4.0b 21 2-86
IDC VIII 31 15 40 55.8–1.3 11.02N 127.39E 0 4.0,3.9 ¶601755725
MAN VIII 31 15 40 58.4 10.88N 126.73E 11 4.6b,3.5L
ISCJB VIII 31 15 40 59.9–.71 10.90N–.05 126.82E–.07 33 4.0b,3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 42 07.3–.84 10.4N–.20 127.0E–.40 20 3.8b 10 31-86
IDC VIII 31 15 42 04.1–.79 10.45N 127.04E 0 3.9,3.8 ¶601755726
ISCJB VIII 31 15 42 05.3–.67 10.4N–.10 126.9E–.30 20 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 45 31.2–.93 10.42N–.08 126.63E–.09 44 3.9b 18 2-86
IDC VIII 31 15 45 25.1–1.0 10.58N 126.49E 0 4.0,3.9 ¶601755727
MAN VIII 31 15 45 26.6 10.36N 126.70E 13 4.8b,3.7L
ISCJB VIII 31 15 45 29.4–.69 10.49N–.06 126.53E–.08 44 3.8b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 51 50.5–.45 10.64N–.04 126.62E–.05 10 4.3b 69 2-146
ISCJB VIII 31 15 51 48.8–.30 10.64N–.03 126.77E–.03 10 4.2b ¶601667571
MAN VIII 31 15 51 49.9 10.65N 126.68E 131 5.2b,4.2s
IDC VIII 31 15 51 49.1–.47 10.61N 126.71E 0 4.3,4.2
NEIC VIII 31 15 51 54.3–.23 10.61N 126.74E 35 4.3b,4.2

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=14.5.
IDC Error ellipse: s-maj=27.3km s-min=10.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.9km az=78.0.
ISC VIII 31 15 56 52.6–.92 10.78N–.09 126.7E–.10 44 3.9b 13 3-86
IDC VIII 31 15 56 47.0–1.5 10.70N 126.71E 0 3.9,3.8 ¶601755728
ISCJB VIII 31 15 56 51.1–.78 10.7N–.10 126.6E–.10 44 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 15 59 27.7–.40 10.79N–.04 126.73E–.06 37 4.3b 86 2-165
IDC VIII 31 15 59 22.4–.40 10.65N 126.70E 0 4.3,4.3 ¶601755729
MAN VIII 31 15 59 24.2 10.83N 126.88E 72 5.6b,5.0s
ISCJB VIII 31 15 59 25.8–.27 10.72N–.03 126.81E–.03 37 4.3b,5.0s
NEIC VIII 31 15 59 27.2–.23 10.64N 126.79E 35 4.6b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=9.6km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=9.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=4.8km az=76.0.
ISC VIII 31 16 00 07.6–.41 10.55N–.06 126.69E–.09 44 4.6b 73 16-164
IDC VIII 31 16 00 01.7–.43 10.58N 126.60E 0 4.5,4.5 ¶601755732
ISCJB VIII 31 16 00 05.6–.29 10.51N–.04 126.66E–.06 44 4.4b,4.5
NEIC VIII 31 16 00 06.6–.26 10.55N 126.67E 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=10.2km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=178.1.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=86.0.
IDC VIII 31 16 17 51.7–4.2 11.19N 126.72E 0 3.7,3.7 ¶601755735

IDC Error ellipse: s-maj=367.0km s-min=26.9km az=68.0.
ISC VIII 31 16 19 04.5–1.5 10.7N–.20 126.5E–.60 44 3.9b 9 21-61
IDC VIII 31 16 18 58.8–1.3 10.65N 126.39E 0 4.4s,4.4 ¶601755736
ISCJB VIII 31 16 19 02.2–1.2 10.7N–.20 126.6E–.50 44 4.3s,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 16 26 11.0–1.2 10.9N–.20 127.6E–.20 35 3.8b 11 3-93
IDC VIII 31 16 26 07.4–2.4 10.41N 126.39E 0 3.8,3.7 ¶601668297
ISCJB VIII 31 16 26 08.7–1.0 10.8N–.20 127.6E–.20 35 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 16 26 17.8–.53 10.99N–.04 126.85E–.06 10 4.3b 53 2-147
DJA VIII 31 16 26 14.6–5.7 11N–19 127E–11 14–30 5.5b,5.0 ¶601755739
IDC VIII 31 16 26 15.8–.55 10.71N 126.82E 0 4.3,4.2
ISCJB VIII 31 16 26 16.5–.47 10.95N–.04 126.84E–.05 10 4.2b,4.2
MAN VIII 31 16 26 16.5 10.99N 126.93E 22 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=12.2km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=175.9.
ISC VIII 31 16 26 42.9–.61 10.27N–.08 127.0E–.10 20 4.5b 50 3-93
IDC VIII 31 16 26 39.4–.76 10.19N 126.89E 0 4.6,4.5 ¶601755743
ISCJB VIII 31 16 26 40.9–.44 10.28N–.06 127.15E–.08 20 4.3b,4.5
NEIC VIII 31 16 26 44.7–.33 10.24N 126.93E 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=16.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.5km az=174.3.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.6km az=83.0.
ISC VIII 31 16 29 05.5–1.2 10.8N–.20 126.7E–.10 35 4.0b 7 2-93
IDC VIII 31 16 29 00.1–1.6 10.83N 126.86E 0 4.0,3.9 ¶601755745
ISCJB VIII 31 16 29 03.3–1.0 10.8N–.20 126.8E–.10 33 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 16 34 36.0–.61 11.04N–.05 126.79E–.08 37 4.1b 48 1-165
IDC VIII 31 16 34 30.8–.69 10.96N 126.98E 0 4.0,3.9 ¶601755748
MAN VIII 31 16 34 31.2 11.12N 126.97E 28 5.2b,4.3s
ISCJB VIII 31 16 34 34.4–.41 10.97N–.04 126.78E–.05 37 4.0b,4.3s
NEIC VIII 31 16 34 35.9–.35 10.97N 126.93E 35 4.4b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=13.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=5.7km az=77.0.
ISC VIII 31 16 43 23.3–.47 10.42N–.06 126.83E–.07 20 4.3b 64 2-146
IDC VIII 31 16 43 20.5–.49 10.38N 126.71E 0 4.3,4.2 ¶601755749
ISCJB VIII 31 16 43 21.5–.31 10.37N–.04 126.86E–.05 20 4.2b,4.2
MAN VIII 31 16 43 23.9 10.45N 126.68E 7 5.0b,3.9L
NEIC VIII 31 16 43 25.5–.26 10.34N 126.74E 35 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=11.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=156.9.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.4km az=73.0.
ISC VIII 31 16 46 14.0–.44 10.84N–.05 127.00E–.07 35 4.2b 67 2-146
MAN VIII 31 16 46 03.8 10.71N 127.34E 196 5.3b,4.5s ¶601668298
IDC VIII 31 16 46 08.9–.44 10.84N 127.03E 0 4.2,4.1
ISCJB VIII 31 16 46 11.7–.30 10.80N–.03 127.09E–.05 33 4.2b,4.1
NEIC VIII 31 16 46 14.0–.27 10.82N 127.15E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=10.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=21.6.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.5km az=91.0.
ISC VIII 31 16 46 22.0–.82 11.0N–.10 126.7E–.20 35 4.4b 22 22-93
IDC VIII 31 16 46 16.9–.75 11.03N 126.79E 0 4.4,4.3 ¶601755752
ISCJB VIII 31 16 46 20.1–.60 10.98N–.10 126.8E–.20 33 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 31 16 48 59.4–16 10.32N 126.63E 163–135 4.0,3.6 ¶601755754

IDC Error ellipse: s-maj=234.9km s-min=38.8km az=77.0.
ISC VIII 31 16 54 30.8–.76 10.39N–.07 126.9E–.20 20 4.1b 19 2-146
IDC VIII 31 16 54 27.9–.72 10.30N 126.77E 0 4.0,4.0 ¶601667572
ISCJB VIII 31 16 54 28.8–.59 10.27N–.06 126.9E–.20 20 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 16 55 09.1–.94 11.09N–.03 126.80E–.05 17–5 4.8b 328 1-168
KLM VIII 31 16 54 59.0 11.47N 128.27E 43 5.0b ¶601755756
DJA VIII 31 16 55 04.2–1.1 11N–9.0 127E–9.0 10 6.1,5.6b
IDC VIII 31 16 55 06.1–.30 11.03N 126.71E 0 4.8,4.7
BJI VIII 31 16 55 06.1 10.93N 126.69E 9 5.3b,4.8b
MAN VIII 31 16 55 07.3 11.20N 126.88E 58 5.4b,4.6s
ISCJB VIII 31 16 55 07.9–1.0 11.06N–.02 126.81E–.02 21–7 4.7b,4.6s
MOS VIII 31 16 55 09.3–.98 10.98N 126.64E 32 5.1b,4.6s
NEIC VIII 31 16 55 11.4–.15 11.03N 126.71E 35 5.1b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=7.7km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=2.2.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=118.8.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=84.0.
ISC VIII 31 17 03 00.2–2.4 11.5N–.10 126.8E–.20 35 4.0b 8 2-55
IDC VIII 31 17 03 16.2–3.0 14.06N 125.70E 0 3.8,3.7 ¶601755759
ISC Event type ke.
IDC Error ellipse: s-maj=256.8km s-min=21.8km az=66.0.
ISC VIII 31 17 08 31.4–1.0 10.33N–.06 126.79E–.08 20 4.0b 19 2-84
IDC VIII 31 17 08 26.3–2.2 10.66N 127.73E 0 4.0,3.9 ¶601755761
ISCJB VIII 31 17 08 28.9–.82 10.44N–.06 126.95E–.07 20 3.9b,3.9
MAN VIII 31 17 08 29.0 10.33N 126.82E 2 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=151.5km s-min=20.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=8.1km az=30.7.
ISC VIII 31 17 15 14.8–1.2 10.5N–.20 126.9E–.20 35 3.9b 9 4-121
IDC VIII 31 17 15 11.6–.96 9.91N 125.58E 0 3.9,3.8 ¶601755762
ISCJB VIII 31 17 15 12.2–.97 10.5N–.20 127.0E–.20 33 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 17 22 46.9–1.0 10.16N–.05 126.7E–.10 42 3.7b 21 2-86

IDC VIII 31 17 22 41.3–2.5 10.11N 126.56E 0 4.0,3.9 **¶601755763**
MAN VIII 31 17 22 43.0 10.19N 126.80E 18 5.0b,3.9L
ISCJB VIII 31 17 22 44.6–.79 10.18N–.05 126.81E–.06 42 3.9b,3.9L
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 31 17 44 20.5–3.2 10.92N 126.71E 0 4.2s,4.2
¶601755764
IDC Error ellipse: s-maj=190.7km s-min=29.3km az=68.0.
ISC VIII 31 17 46 57.7–2.4 10.61N–.05 126.72E–.06 4–15 4.4b 55 2-98
IDC VIII 31 17 46 56.1–1.1 10.52N 126.76E 0 4.1,4.0 **¶601755766**
MAN VIII 31 17 46 59.7 10.74N 126.78E 25 4.1,4.0
NEIC VIII 31 17 47 01.9–.30 10.37N 126.42E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.8km s-min=16.4km az=70.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.0km az=69.0.
ISC VIII 31 17 53 57.8–.54 10.92N–.05 126.89E–.07 35 4.4b 61 2-86
IDC VIII 31 17 53 52.9–.87 10.93N 127.26E 0 4.0,3.9 **¶601668299**
MAN VIII 31 17 53 53.8 11.02N 126.93E 22 4.8b,3.7L
ISCJB VIII 31 17 53 55.7–.34 10.88N–.04 126.88E–.03 33 4.5b,3.7L
NEIC VIII 31 17 53 57.8–.32 10.85N 127.07E 35 4.5b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=14.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=32.3.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=76.0.
ISC VIII 31 18 14 49.6–1.4 10.9N–.20 126.8E–.10 35 3.7b 8 2-56
IDC VIII 31 18 14 44.4–2.1 10.92N 126.93E 0 3.8,3.7 **¶601755771**
ISCJB VIII 31 18 14 47.2–1.1 10.9N–.10 126.9E–.10 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 31 18 15 41.4–2.5 10.51N 126.72E 0 3.7,3.6
¶601755774
IDC Error ellipse: s-maj=230.2km s-min=22.0km az=67.0.
ISC VIII 31 18 34 40.9–.63 10.71N–.05 126.84E–.07 35 4.3b 59 2-97
IDC VIII 31 18 34 35.2–1.4 10.76N 127.21E 0 4.1,4.1 **¶601755780**
MAN VIII 31 18 34 36.9 10.86N 126.83E 106 5.0b,4.0L
ISCJB VIII 31 18 34 38.9–.35 10.71N–.04 126.88E–.03 35 4.3b,4.0L
NEIC VIII 31 18 34 40.2–.29 10.79N 127.23E 35 4.5b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=98.9km s-min=15.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=42.1.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.8km az=72.0.
ISC VIII 31 19 08 49.4–.42 10.33N–.06 126.95E–.07 20 4.4b 72 3-146
IDC VIII 31 19 08 46.3–.57 10.32N 126.93E 0 4.3,4.2 **¶601755783**
ISCJB VIII 31 19 08 47.5–.28 10.31N–.03 127.02E–.05 20 4.4b,4.2
NEIC VIII 31 19 08 51.5–.19 10.30N 126.98E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=12.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=169.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.4km az=78.0.
IDC VIII 31 19 10 00.1–3.1 10.25N 126.36E 0 3.9,3.8
¶601755784
IDC Error ellipse: s-maj=321.6km s-min=25.6km az=66.0.
ISC VIII 31 19 12 12.0–.74 10.6N–.10 126.8E–.10 44 4.4b 35 3-146
IDC VIII 31 19 12 06.0–1.4 10.49N 126.53E 0 4.0,3.9 **¶601755786**
ISCJB VIII 31 19 12 10.1–.47 10.62N–.07 126.82E–.07 44 4.2b,3.9
NEIC VIII 31 19 12 11.0–.52 10.65N 126.87E 35 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=132.2km s-min=17.8km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.5km az=141.0.
NEIC Event type se. Error ellipse: s-maj=39.7km s-min=6.8km az=67.0.
ISC VIII 31 19 17 50.0–.51 10.38N–.06 126.66E–.07 44 4.3b 61 2-92
IDC VIII 31 19 17 44.1–.89 10.45N 126.56E 0 4.0,4.0 **¶601755787**
MAN VIII 31 19 17 45.8 10.28N 126.69E 14 5.1b,4.1L
ISCJB VIII 31 19 17 47.9–.35 10.43N–.04 126.65E–.05 44 4.4b,4.1L
NEIC VIII 31 19 17 49.1–.35 10.43N 126.55E 35 4.6b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=13.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.6km az=154.5.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=78.0.
ISC VIII 31 19 41 04.1–.78 10.66N–.04 126.76E–.05 47–7 4.7b,4.2s 228 2-152
IDC VIII 31 19 40 57.4–.38 10.62N 126.72E 0 4.5,4.4 **¶601668304**
ISCJB VIII 31 19 41 00.8–.68 10.65N–.02 126.83E–.03 34–6 4.7b,4.2s
BJI VIII 31 19 41 00.5 10.25N 126.81E 48 5.0b,4.7b
DJA VIII 31 19 41 00.2–.90 11N–6.0 127E–6.0 11–4 5.3b,4.8b
NEIC VIII 31 19 41 03.0–.52 10.64N 126.79E 40–5 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=9.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.8km az=161.3.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=79.0.
IDC VIII 31 20 10 22.5–3.2 10.94N 127.39E 0 3.8,3.8
¶601755794
IDC Error ellipse: s-maj=281.0km s-min=26.4km az=68.0.
ISC VIII 31 20 15 53.7–1.3 11.0N–.20 126.9E–.10 37 3.8b 8 3-61
IDC VIII 31 20 15 48.7–3.2 10.87N 126.67E 0 3.6,3.6 **¶601755795**
ISCJB VIII 31 20 15 51.4–.99 11.0N–.10 126.97E–.09 37 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 20 26 50.3–.35 10.81N–.03 126.80E–.05 36–1 5.1b,4.2s 508 2-168
ISCJB VIII 31 20 26 44.9–.94 10.76N–.02 126.82E–.02 12–6 5.0b,4.2s **¶601668306**
IDC VIII 31 20 26 44.8–.32 10.77N 126.79E 0 4.8,4.7
MAN VIII 31 20 26 46.5 10.85N 126.90E 32 5.6b,4.9s
MOS VIII 31 20 26 47.8–.96 10.74N 126.74E 32 5.4b,4.9s
BJI VIII 31 20 26 48.6 10.78N 126.80E 37 5.1b,5.0b
DJA VIII 31 20 26 49.5–1.6 11N–3.0 127E–3.0 18–11 5.4b,4.9b
NEIC VIII 31 20 26 49.9–.41 10.73N 126.73E 36–3 5.2b,4.9b
KLM VIII 31 20 26 56.0 10.95N 126.95E 90 4.8b,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.0km az=164.2.
IDC Error ellipse: s-maj=13.8km s-min=7.9km az=74.0.
MOS Error ellipse: s-maj=9.0km s-min=4.4km az=116.7.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=84.0.
ISC VIII 31 20 27 06.4–.77 10.8N–.10 126.9E–.20 10 4.7b 22 3-97
ISCJB VIII 31 20 27 05.0–.65 10.80N–.08 126.8E–.20 10 4.6b,3.0s **¶601755798**
IDC VIII 31 20 27 05.1–.92 10.82N 126.83E 0 4.7,4.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=10.2km az=14.0.
IDC Error ellipse: s-maj=29.7km s-min=20.1km az=92.0.
ISC VIII 31 20 34 50.5–1.9 10.5N–.60 127E–1.0 44 3.8b 8 35-86
IDC VIII 31 20 34 44.3–1.9 10.54N 126.56E 0 3.8,3.7 **¶601755799**
ISCJB VIII 31 20 34 48.8–2.0 10.5N–.60 126E–1.0 44 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 31 20 45 31.0–2.7 10.55N 126.83E 0 3.8,3.7
¶601755803
IDC Error ellipse: s-maj=250.1km s-min=21.1km az=68.0.
MAN VIII 31 20 50 40.0 11.01N 126.53E 19 4.7b,3.6L
¶604684216
ISC VIII 31 21 14 26.2–.79 10.66N–.09 126.98E–.10 35 4.3b 16 3-92
IDC VIII 31 21 14 21.5–2.1 10.77N 127.25E 0 4.1b,4.0 **¶601734404**
ISCJB VIII 31 21 14 24.2–.67 10.64N–.07 126.98E–.07 33 4.2b,4.0
NEIC VIII 31 21 14 26.4–.51 10.80N 127.34E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=173.5km s-min=27.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.1km az=135.8.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=9.9km az=70.0.
ISC VIII 31 21 22 29.3–.85 10.68N–.03 126.79E–.04 27–5 4.8b,3.9s 242 2-146
IDC VIII 31 21 22 24.7–.37 10.55N 126.58E 0 4.6,4.5 **¶601668310**
MAN VIII 31 21 22 26.4 10.79N 126.92E 33 5.5b,4.8s
ISCJB VIII 31 21 22 27.8–.96 10.65N–.02 126.82E–.03 29–7 4.7b,3.9s
BJI VIII 31 21 22 28.2 10.48N 126.77E 44 5.1b,4.7b
DJA VIII 31 21 22 29.5–1.8 11N–4.0 127E–4.0 15–12 5.3b,4.8b

NEIC VIII 31 21 22 31.2–.47 10.57N 126.69E 44–4 4.9b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=16.6km s-min=9.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=159.2.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.7km az=79.0. Felt at Dumaguete, Negros.
IDC VIII 31 21 24 44.8–2.7 10.47N 126.78E 0 3.9,3.8
¶601755804
IDC Error ellipse: s-maj=259.1km s-min=26.6km az=67.0.
ISC VIII 31 21 29 10.2–.84 10.0N–.10 126.9E–.10 41 4.1b 12 3-86
IDC VIII 31 21 29 04.4–5.7 9.98N 126.97E 0 3.9,3.9 **¶601734405**
ISCJB VIII 31 21 29 08.4–.71 10.0N–.10 126.94E–.07 41 4.0b,3.9
NEIC VIII 31 21 29 09.6–.50 10.01N 126.96E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=181.0km s-min=100.4km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=10.0km az=14.6.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.5km az=56.0.
IDC VIII 31 21 43 47.8–2.5 10.68N 127.13E 0 3.8,3.7
¶601755805
IDC Error ellipse: s-maj=232.2km s-min=21.1km az=68.0.
ISC VIII 31 21 56 10.7–1.5 10.1N–.50 127E–1.0 41 3.7b 8 31-86
IDC VIII 31 21 56 04.7–1.6 10.22N 126.87E 0 3.9,3.7 **¶601755807**
ISC Event type ke.
IDC Error ellipse: s-maj=183.3km s-min=17.7km az=68.0.
ISC VIII 31 22 01 20.8–.31 11.01N–.03 126.88E–.04 38–1 4.9b,4.0s 610 2-173
IDC VIII 31 22 01 14.9–.28 11.01N 126.78E 0 4.8,4.8 **¶601668316**
DJA VIII 31 22 01 15.2–.70 11N–4.0 127E–4.0 12–3 5.6,5.4b
ISCJB VIII 31 22 01 16.9–.80 11.04N–.02 126.86E–.02 22–5 4.9b,4.0s
MAN VIII 31 22 01 16.5 11.13N 126.88E 65 5.4b,4.5s
MOS VIII 31 22 01 17.8–.99 10.97N 126.81E 32 5.1b,4.5s
BJI VIII 31 22 01 17.3 10.87N 127.03E 38 5.0b,4.9b
NEIC VIII 31 22 01 20.2–.13 10.98N 126.87E 35 5.1b,4.9b
KLM VIII 31 22 01 22.0 11.00N 127.02E 50 5.1b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=12.3km s-min=7.6km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=176.6.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=116.2.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=89.0. Felt at Maasin, Merida and Ormoc, Leyte.
ISC VIII 31 22 07 54.1–.45 10.65N–.05 126.87E–.06 20 4.1b 50 2-146
IDC VIII 31 22 07 50.7–.47 10.58N 126.86E 0 4.4s,4.4 **¶601734406**
ISCJB VIII 31 22 07 52.0–.38 10.61N–.05 126.96E–.04 20 4.2s,4.0b
MAN VIII 31 22 07 54.3 10.78N 126.74E 6 5.2b,4.2s
NEIC VIII 31 22 07 56.0–.36 10.54N 126.83E 35 4.3b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=11.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=21.4.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.2km az=78.0.
ISC VIII 31 22 59 48.8–.56 10.35N–.08 127.0E–.10 20 4.2b,3.2s 35 3-121
IDC VIII 31 22 59 45.8–.53 10.34N 126.96E 0 4.2b,4.2 **¶601734407**
ISCJB VIII 31 22 59 46.9–.39 10.28N–.06 126.96E–.10 20 4.1b,3.2s
NEIC VIII 31 22 59 50.9–.30 10.31N 126.98E 35 4.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=11.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.9km az=172.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=82.0.
IDC VIII 31 23 06 05.7–2.9 10.52N 127.78E 0 3.9,3.7
¶601755812
IDC Error ellipse: s-maj=251.5km s-min=21.9km az=68.0.
ISC VIII 31 23 32 57.2–1.4 10.6N–.20 126.7E–.20 35 3.8b 7 4-121
IDC VIII 31 23 32 51.1–2.8 10.76N 127.14E 0 3.8,3.7 **¶601755813**
ISCJB VIII 31 23 32 54.6–1.2 10.6N–.20 126.8E–.20 33 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 23 36 41.4–.40 10.62N–.06 126.83E–.07 20 4.3b 91 3-146
IDC VIII 31 23 36 38.2–.42 10.61N 126.80E 0 4.5s,4.5 **¶606588150**
ISCJB VIII 31 23 36 39.4–.32 10.60N–.05 126.88E–.05 20 4.5s,4.2b
NEIC VIII 31 23 36 43.5–.29 10.57N 126.80E 35 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=9.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=149.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.6km az=76.0.
ISC VIII 31 23 37 58.3–.19 10.41N–.03 126.78E–.04 39–2 5.6b,5.1s 1107 2-173
IDC VIII 31 23 37 52.0–.27 10.38N 126.75E 0 5.2,5.2b **¶601755815**
ISCJB VIII 31 23 37 54.7–.58 10.40N–.01 126.77E–.02 26–4 5.5b,5.1s
MAN VIII 31 23 37 54.7 10.52N 126.88E 32 6.2b,5.8s
MOS VIII 31 23 37 55.9–1.0 10.40N 126.74E 34 5.8b,5.0s
BJI VIII 31 23 37 56.1 10.36N 126.77E 41 5.6b,5.5s
KLM VIII 31 23 37 56.0 10.61N 127.28E 54 5.9b,5.5s
DJA VIII 31 23 37 57.0–.50 10N–2.0 127E–2.0 35–5 6.0b,6.0
GCMT VIII 31 23 37 58.3–.20 10.45N–.02 126.99E–.01 13–0 5.6W,6.0
NEIC VIII 31 23 37 58.4–.42 10.39N 126.72E 40–3 5.7b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=10.5km s-min=7.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=177.4.
MOS Error ellipse: s-maj=7.5km s-min=4.2km az=114.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c72; s137,c261;Duration: 1ŧ5
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.10 $M_{\theta\theta}$0.62±.05; $M_{\phi\phi}$2.30±.07; $M_{r\theta}$0.07±.19; $M_{\theta\phi}$-0.77±.03; $M_{\phi r}$-1.37±.16; Best double couple: NP1:ϕ_s346.00000°,δ58.00000°,λ-83.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ-101.00000°. Principal axes: T 2.8910,Plg13.0000° ,Azm71.0000°; N 0.3730,Plg6.0000°,Azm162.0000°; P -3.2620,Plg76.0000°,Azm277.0000° M_o3.07600×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=83.0. Felt [I PIVS] at Surigao, Mindanao. Also felt at Davao.
ISC VIII 31 23 40 06.1–.51 10.37N–.08 126.88E–.10 20 4.8b 41 3-146
IDC VIII 31 23 40 02.8–.65 10.37N 126.86E 0 4.7,4.7b **¶601734408**
ISCJB VIII 31 23 40 04.0–.44 10.32N–.07 126.79E–.09 20 4.7b,4.6s
NEIC VIII 31 23 40 08.5–1.5 10.35N 126.80E 39–14 4.8b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=16.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.9km az=160.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=64.0.
ISC VIII 31 23 50 14.1–1.0 11.5N–.20 127.5E–.40 35 3.9b 13 15-78
IDC VIII 31 23 50 09.1–.93 11.44N 127.57E 0 3.9,3.8 **¶601734409**
ISCJB VIII 31 23 50 11.9–.71 11.4N–.10 127.5E–.30 33 3.9b,3.8
NEIC VIII 31 23 50 14.4–1.9 11.46N 127.56E 38–18 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=55.5km s-min=18.1km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=51.5km s-min=11.3km az=160.8.
NEIC Event type se. Error ellipse: s-maj=40.5km s-min=9.2km az=72.0.
ISC VIII 31 23 50 45.8–.77 10.5N–.10 127.5E–.30 10 4.3b 26 21-146
ISCJB VIII 31 23 50 43.6–.62 10.50N–.09 127.6E–.20 10 4.1b **¶601734412**
IDC VIII 31 23 50 43.8–.76 10.56N 127.72E 0 4.2,4.2
NEIC VIII 31 23 50 48.8–.42 10.52N 127.72E 35 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=10.4km az=165.9.
IDC Error ellipse: s-maj=56.3km s-min=14.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=8.0km az=76.0.
ISC IX 01 00 25 04.0–.54 10.24N–.03 126.56E–.04 47–4 5.2b,4.8s 799 2-170
BJI IX 01 00 24 57.9 9.87N 126.56E 36 5.4b,5.0b **¶601668326**
MAN IX 01 00 24 58.1 10.33N 126.62E 1 5.9b,5.3s
IDC IX 01 00 25 00.6–1.9 10.20N 126.37E 20–11 4.9,4.8
MOS IX 01 00 25 01.5–1.2 10.23N 126.36E 37 5.4b,4.8
DJA IX 01 00 25 01.2–.40 11N–3.0 127E–3.0 44–3 6.1,5.8b
ISCJB IX 01 00 25 03.0–.40 10.26N–.02 126.45E–.03 52–3 5.1b,4.7s
NEIC IX 01 00 25 02.7–.11 10.23N 126.45E 35 5.3b,4.7s
GCMT IX 01 00 25 03.7–.40 10.23N–.04 126.63E–.02 24–1 5.4W,4.7s
KLM IX 01 00 25 06.0 10.22N 126.65E 70 5.3b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=7.7km az=71.0.
MOS Error ellipse: s-maj=9.5km s-min=4.1km az=120.5.

ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=83.0. Felt [II PIVS] at Tandag, Mindanao. Also felt at Claveria and Surigao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s69,c97;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.12 $M_{\theta\theta}$-0.36±.06; $M_{\phi\phi}$-1.11±.07; $M_{r\theta}$0.19±.09; $M_{\theta\phi}$0.06±.03; $M_{\theta r}$0.39±.06; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ98.00000°. NP2:ϕ_s171.00000°,δ37.00000°,λ80.00000°. Principal axes: T 1.5460,Plg80.0000° ,Azm305.0000°; N -0.3750,Plg6.0000°,Azm179.0000°; P -1.1680,Plg8.0000°,Azm88.0000° $M_0$1.35700×10^{17}

ISC	**IX**	**01 00 36 06.3–.51**	**11.28N–.05**	**126.61E–.07**	**40**	**4.2b**	**45**	**1-91**
IDC	IX	01 00 36 00.5–.50	11.26N	126.66E	0	4.4,4.3	**¶601668327**	
MAN	IX	01 00 36 03.6	11.28N	126.60E	22	5.4b,4.7s		
ISCJB	IX	01 00 36 04.4–.36	11.27N–.04	126.65E–.04	40	4.3b,4.7s		
NEIC	IX	01 00 36 05.7–.32	11.27N	126.67E	35	4.6b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=10.9km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.1km az=162.8.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.6km az=85.0.

IDC	**IX**	**01 00 42 30.4–1.9**	**11.15N**	**126.57E**	**0**	**3.8,3.7**		
								¶601862679

IDC Error ellipse: s-maj=175.3km s-min=18.7km az=69.0.

ISC	**IX**	**01 00 50 00.4–.67**	**11.3N–.10**	**126.8E–.20**	**35**	**4.0b**	**21**	**32-103**
IDC	IX	01 00 49 55.3–.80	11.25N	126.78E	0	4.0,3.9	**¶601734413**	
ISCJB	IX	01 00 49 58.2–.49	11.22N–.08	126.8E–.20	33	4.0b,3.9		
NEIC	IX	01 00 50 00.3–.32	11.24N	126.80E	35	4.3b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=62.0km s-min=15.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=10.1km az=164.9.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.1km az=76.0.

ISC	**IX**	**01 00 52 04.5–2.1**	**10.1N–.30**	**126.9E–.20**	**41**	**4.2b**	**13**	**16-86**
IDC	IX	01 00 51 57.6–14	9.98N	126.98E	0	4.1,4.0	**¶601734414**	
NEIC	IX	01 00 52 03.7–1.1	10.10N	126.86E	35	4.2b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=684.4km s-min=122.9km az=29.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=16.2km az=143.0.

ISC	**IX**	**01 01 16 07.0–.22**	**10.52N–.03**	**126.84E–.04**	**20**	**5.4b,5.0s**	**734**	**2-170**
IDC	IX	01 01 16 04.0–.33	10.51N	126.67E	0	4.9,4.9b	**¶601668328**	
BJI	IX	01 01 16 03.7	10.12N	127.00E	37	5.4b,5.2s		
MAN	IX	01 01 16 06.0	10.61N	126.76E	8	5.3b,4.5s		
ISCJB	IX	01 01 16 05.3–.13	10.54N–.02	126.79E–.02	20	5.3b,5.1s		
MOS	IX	01 01 16 07.6–1.1	10.50N	126.67E	36	5.7b,4.9s		
NEIC	IX	01 01 16 08.8–.11	10.45N	126.68E	35	5.5b,4.9s		
DJA	IX	01 01 16 09.7–.50	11N–3.0	127E–3.0	39–5	6.2,6.0b		
KLM	IX	01 01 16 19.0	10.74N	127.18E	181	5.7b,6.0b		
GCMT	IX	01 01 16 21.8–.20	10.54N–.02	126.99E–.01	12	5.4W,6.0b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Cebu City, Cebu and at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c80; s128,c243;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.70±.03 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$1.37±.03; $M_{r\theta}$-0.00±.11; $M_{\theta\phi}$-0.44±.02; $M_{\theta r}$-0.79±.09; Best double couple: NP1:ϕ_s348.00000°,δ58.00000°,λ-82.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ-102.00000°. Principal axes: T 1.6940,Plg12.0000° ,Azm72.0000°; N 0.2100,Plg7.0000°,Azm164.0000°; P -1.8960,Plg76.0000°,Azm281.0000° $M_0$1.79500×10^{17}

ISC	**IX**	**01 01 16 18.9–.27**	**10.55N–.03**	**127.04E–.05**	**20**	**5.2b**	**293**	**2-173**
IDC	IX	01 01 16 15.5–.30	10.56N	126.83E	0	5.2,5.2b	**¶601862680**	
ISCJB	IX	01 01 16 18.0–.21	10.59N–.03	126.99E–.04	20	5.1b,4.5s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**01 01 20 39.2–.77**	**10.55N–.03**	**126.88E–.04**	**35–3**	**5.2b,5.0s**	**710**	**2-173**
IDC	IX	01 01 20 33.9–.30	10.51N	126.74E	0	5.1,5.0	**¶601668330**	
ISCJB	IX	01 01 20 35.5–.86	10.54N–.02	126.88E–.02	20–6	5.1b,5.1s		
BJI	IX	01 01 20 35.1	10.30N	127.08E	35	5.6b,5.2s		
MOS	IX	01 01 20 36.0–.88	10.50N	126.77E	27	5.4b,4.9s		
DJA	IX	01 01 20 36.3–.60	11N–5.0	127E–4.0	12–3	5.9b,5.5		
MAN	IX	01 01 20 37.3	10.59N	126.90E	45	5.6b,4.9s		
NEIC	IX	01 01 20 38.3–.94	10.53N	126.81E	29–6	5.3b,4.9s		
GCMT	IX	01 01 20 39.3–.20	10.55N–.02	126.90E–.02	19–0	5.4W,4.9s		
KLM	IX	01 01 20 41.0	10.71N	126.44E	10	5.4b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=7.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=9.9.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=114.1.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=81.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c52; s104,c179;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94±.09 $M_{\theta\theta}$0.54±.05; $M_{\phi\phi}$1.39±.06; $M_{r\theta}$-0.02±.11; $M_{\theta\phi}$-0.39±.03; $M_{\theta r}$0.36±.09; Best double couple: NP1:ϕ_s162.00000°,δ51.00000°,λ-86.00000°. NP2:ϕ_s336.00000°,δ40.00000°,λ-94.00000°. Principal axes: T 1.5780,Plg6.0000° ,Azm249.0000°; N 0.3940,Plg3.0000°,Azm339.0000°; P -1.9780,Plg84.0000°,Azm95.0000° $M_0$1.77800×10^{17}

ISC	**IX**	**01 01 28 46.1–3.0**	**10.51N–.05**	**126.82E–.06**	**12–18**	**4.5b**	**94**	**2-151**
IDC	IX	01 01 28 44.0–.44	10.38N	126.71E	0	4.5,4.5	**¶601668332**	
MAN	IX	01 01 28 47.0	10.50N	126.76E	15	5.4b,4.6s		
NEIC	IX	01 01 28 47.5–2.7	10.37N	126.73E	24–19	4.6b,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=10.3km az=81.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.6km az=79.0.

ISC	**IX**	**01 01 34 00.8–.71**	**10.41N–.08**	**126.8E–.10**	**20**	**4.1b**	**30**	**2-170**
IDC	IX	01 01 33 57.7–.77	10.38N	126.77E	0	4.2,4.1	**¶601715665**	
ISCJB	IX	01 01 33 58.6–.51	10.42N–.06	126.98E–.08	20	4.0b,4.1		
NEIC	IX	01 01 34 02.9–.33	10.37N	126.82E	35	4.3b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=14.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=8.4km az=167.2.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=6.3km az=76.0.

ISC	**IX**	**01 01 37 34.2–.80**	**10.47N–.04**	**126.93E–.05**	**19–3**	**4.6b**	**178**	**2-170**
IDC	IX	01 01 37 31.1–.37	10.45N	126.86E	0	4.6,4.5	**¶601668333**	
ISCJB	IX	01 01 37 32.5–1.4	10.53N–.03	126.92E–.03	19–10	4.5b,4.0s		
DJA	IX	01 01 37 33.1–1.1	11N–11	127E–6.0	10	5.8b,5.3		
MAN	IX	01 01 37 33.1	10.57N	126.96E	34	5.2b,4.3s		
MOS	IX	01 01 37 33.2–1.1	10.41N	126.87E	27	5.1b,4.3s		
NEIC	IX	01 01 37 34.9–2.3	10.44N	126.88E	27–16	4.7b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=9.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.5km az=149.3.
MOS Error ellipse: s-maj=12.7km s-min=6.3km az=123.2.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=71.0.

ISC	**IX**	**01 02 15 56.8–.53**	**10.55N–.09**	**126.9E–.10**	**20**	**4.1b**	**37**	**2-151**
IDC	IX	01 02 15 53.7–.56	10.53N	126.88E	0	4.2,4.1	**¶601715666**	
ISCJB	IX	01 02 15 54.8–.43	10.54N–.07	126.95E–.10	20	4.0b,4.1		
NEIC	IX	01 02 15 58.6–4.2	10.54N	126.89E	33–29	4.2b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=12.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.3km az=157.8.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=5.9km az=72.0.

ISC	**IX**	**01 02 20 07.8–.53**	**10.40N–.05**	**126.64E–.08**	**44**	**4.2b**	**39**	**2-146**
IDC	IX	01 02 20 01.6–.55	10.47N	126.77E	0	4.3,4.2b	**¶601715667**	
ISCJB	IX	01 02 20 06.0–.46	10.46N–.04	126.70E–.05	44	4.2b,4.2b		
NEIC	IX	01 02 20 06.9–.26	10.45N	126.77E	35	4.5b,4.2b		
MAN	IX	01 02 20 06.7	10.75N	126.57E	6	5.3b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=11.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=153.7.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=5.9km az=73.0.

ISC	**IX**	**01 02 20 28.7–.48**	**10.55N–.08**	**126.8E–.10**	**20**	**4.3b**	**44**	**16-151**
IDC	IX	01 02 20 25.6–.55	10.56N	126.83E	0	4.3,4.2	**¶601862682**	
ISCJB	IX	01 02 20 26.9–.38	10.55N–.06	126.81E–.08	20	4.2b,4.2		
NEIC	IX	01 02 20 30.0–3.8	10.57N	126.81E	29–26	4.5b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=12.4km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.5km az=168.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=77.0.

IDC	**IX**	**01 02 32 05.7–4.4**	**10.41N**	**126.84E**	**0**	**3.7,3.7**		
								¶601862684

IDC Error ellipse: s-maj=419.7km s-min=23.7km az=65.0.

ISC	**IX**	**01 02 37 01.4–.78**	**10.36N–.05**	**126.79E–.09**	**35**	**4.1b**	**25**	**2-86**
IDC	IX	01 02 36 56.7–1.3	10.35N	126.86E	0	4.1,4.1	**¶601715671**	
MAN	IX	01 02 36 58.2	10.38N	126.90E	26	4.7b,3.6L		
ISCJB	IX	01 02 36 59.9–.56	10.28N–.04	126.77E–.06	35	4.0b,3.6L		
NEIC	IX	01 02 37 01.8–.44	10.31N	126.83E	35	4.0b,3.6L		

ISC Event type se.
IDC Error ellipse: s-maj=99.0km s-min=18.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=174.8.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=7.8km az=69.0.

ISC	**IX**	**01 03 19 07.4–.40**	**10.80N–.04**	**126.79E–.06**	**35**	**4.3b**	**71**	**2-152**
DJA	IX	01 03 18 59.6–1.4	11N–12	127E–5.0	14–4	5.0b,4.4b	**¶601668336**	
IDC	IX	01 03 19 02.6–.45	10.68N	126.65E	0	4.3,4.2b		
ISCJB	IX	01 03 19 05.7–.30	10.77N–.03	126.83E–.04	33	4.2b,3.0s		
MAN	IX	01 03 19 05.2	10.80N	126.77E	20	5.6b,4.8s		
NEIC	IX	01 03 19 07.6–.24	10.69N	126.72E	35	4.4b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=10.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=177.3.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=74.0.

ISC	**IX**	**01 03 19 19.4–.53**	**10.53N–.10**	**127.02E–.08**	**20**	**4.3b**	**62**	**3-151**
IDC	IX	01 03 19 16.2–.56	10.50N	126.87E	0	4.3,4.3	**¶606683944**	
ISCJB	IX	01 03 19 17.6–.52	10.55N–.08	126.99E–.10	20	4.2b,4.3		
NEIC	IX	01 03 19 21.6–.36	10.54N	126.91E	35	4.2b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=13.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=11.4km az=6.5.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.1km az=79.0.

ISC	**IX**	**01 03 19 41.1–.51**	**10.79N–.07**	**126.9E–.10**	**35**	**4.5b**	**58**	**2-153**
IDC	IX	01 03 19 35.9–.74	10.69N	126.67E	0	4.5,4.4	**¶601862690**	
ISCJB	IX	01 03 19 39.3–.50	10.77N–.06	126.8E–.10	33	4.3b,4.4		
NEIC	IX	01 03 19 41.1–.30	10.71N	126.70E	35	4.3b,4.4		

ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=17.2km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=9.2km az=6.4.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.0km az=76.0.

IDC	**IX**	**01 03 24 57.3–2.1**	**10.51N**	**126.73E**	**0**	**3.9,3.8**		
								¶601862691

IDC Error ellipse: s-maj=196.3km s-min=26.7km az=69.0.

ISC	**IX**	**01 03 31 26.6–.61**	**10.45N–.07**	**126.61E–.08**	**44**	**4.1b**	**34**	**2-151**
IDC	IX	01 03 31 20.5–.67	10.50N	126.60E	0	4.2,4.2	**¶601734415**	
MAN	IX	01 03 31 21.1	10.45N	126.70E	6	5.0b,4.0L		
ISCJB	IX	01 03 31 24.5–.48	10.43N–.06	126.66E–.05	44	4.1b,4.0L		
NEIC	IX	01 03 31 25.7–.35	10.45N	126.56E	35	4.0b,4.0L		

ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=14.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=30.6.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=7.4km az=74.0.

ISC	**IX**	**01 04 15 37.2–.67**	**10.44N–.07**	**126.88E–.10**	**20**	**4.2b**	**26**	**2-164**
IDC	IX	01 04 15 34.2–.93	10.34N	126.73E	0	4.1,4.0	**¶601862695**	
ISCJB	IX	01 04 15 35.2–.61	10.42N–.07	126.95E–.07	20	4.1b,4.0		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**01 04 17 23.0–.73**	**10.8N–.10**	**126.8E–.10**	**35**	**4.1b**	**21**	**2-152**
IDC	IX	01 04 17 17.8–1.1	10.75N	126.85E	0	4.0,3.9	**¶601734416**	
ISCJB	IX	01 04 17 21.0–.65	10.7N–.10	126.8E–.10	35	3.9b,3.9		
NEIC	IX	01 04 17 23.1–.46	10.74N	126.85E	35	4.3b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=105.3km s-min=16.4km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=9.0km az=139.8.
NEIC Event type se. Error ellipse: s-maj=44.3km s-min=8.4km az=72.0.

ISC	**IX**	**01 04 33 24.6–.74**	**10.86N–.06**	**126.83E–.09**	**35**	**3.9b**	**26**	**2-153**
IDC	IX	01 04 33 19.7–.85	10.92N	127.17E	0	3.9,3.8	**¶601734417**	
MAN	IX	01 04 33 21.8	10.69N	126.85E	31	5.0b,4.0L		
ISCJB	IX	01 04 33 22.7–.59	10.85N–.05	126.88E–.06	33	3.8b,4.0L		
NEIC	IX	01 04 33 24.8–.37	10.89N	127.15E	35	4.0b,4.0L		

ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=17.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=7.8km az=66.0.

ISC	**IX**	**01 04 38 12.4–.36**	**11.32N–.04**	**126.66E–.06**	**40**	**4.5b,3.4s**	**152**	**1-170**
MAN	IX	01 04 38 05.2	11.61N	126.97E	42	5.4b,4.6s	**¶601668338**	
IDC	IX	01 04 38 06.4–.53	11.23N	126.63E	0	4.4,4.3b		
MOS	IX	01 04 38 09.4–1.0	11.21N	126.70E	33	4.6b,4.3b		
ISCJB	IX	01 04 38 10.5–.25	11.25N–.03	126.67E–.03	40	4.5b,3.6s		
NEIC	IX	01 04 38 11.5–.75	11.25N	126.76E	35–7	4.6b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=12.1km az=70.0.
MOS Error ellipse: s-maj=12.9km s-min=6.5km az=123.4.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=5.9.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=78.0.

ISC	**IX**	**01 04 43 53.0–.87**	**10.6N–.20**	**126.7E–.30**	**35**	**4.0b**	**16**	**2-146**
IDC	IX	01 04 43 47.3–1.0	11.05N	127.64E	0	4.0,3.9	**¶601862696**	
ISCJB	IX	01 04 43 51.0–.72	10.7N–.20	126.8E–.20	33	4.0b,3.9		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**01 05 27 58.6–1.8**	**10.59N–.05**	**126.4E–.10**	**50–17**	**4.2b,3.4s**	**33**	**1-146**
IDC	IX	01 05 27 51.6–1.3	10.57N	126.42E	0	4.1,4.0b	**¶601862698**	
MAN	IX	01 05 27 54.9	10.63N	126.46E	15	5.0b,4.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=124.0km s-min=17.1km az=70.0.

ISC	**IX**	**01 05 50 12.1–.35**	**10.65N–.06**	**126.86E–.07**	**20**	**4.5b**	**105**	**2-154**
IDC	IX	01 05 50 08.7–.52	10.61N	126.87E	0	4.3,4.2b	**¶601734418**	
ISCJB	IX	01 05 50 10.4–.24	10.60N–.04	126.85E–.05	20	4.4b,3.8s		
NEIC	IX	01 05 50 12.2–2.5	10.62N	126.87E	20–17	4.6b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=12.3km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=155.9.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=77.0.

ISC	**IX**	**01 05 52 11.8–.25**	**10.59N–.04**	**126.87E–.05**	**35–3**	**4.8b,3.7s**	**310**	**2-168**
IDC	IX	01 05 52 06.2–.31	10.58N	126.81E	0	4.6,4.6b	**¶601668340**	
DJA	IX	01 05 52 07.2–.40	11N–4.0	127E–4.0	10	5.3b,5.0b		
MOS	IX	01 05 52 08.4–.94	10.50N	126.71E	25	5.0b,5.0b		
ISCJB	IX	01 05 52 09.5–1.2	10.57N–.02	126.85E–.03	32–8	4.7b,3.7s		
BJI	IX	01 05 52 09.8	10.65N	126.88E	32	5.0b,4.8b		
NEIC	IX	01 05 52 11.3–1.3	10.56N	126.80E	33–9	4.9b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=8.0km az=72.0.
MOS Error ellipse: s-maj=10.4km s-min=5.2km az=118.1.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=159.8.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=71.0.

ISC	**IX**	**01 07 30 18.7–.97**	**10.5N–.20**	**127.0E–.20**	**20**	**4.3b**	**13**	**4-146**
IDC	IX	01 07 30 15.9–1.1	10.41N	126.83E	0	4.1,4.1	**¶601862704**	
ISCJB	IX	01 07 30 16.6–.77	10.4N–.10	127.0E–.20	20	4.1b,4.1		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**01 07 31 55.2–.76**	**10.8N–.10**	**127.0E–.20**	**35**	**4.2b,3.0s**	**26**	**4-121**
IDC	IX	01 07 31 50.4–1.6	10.72N	126.75E	0	4.0,3.9b	**¶601734419**	
ISCJB	IX	01 07 31 53.5–.61	10.79N–.08	126.9E–.20	33	4.0b,2.9s		
NEIC	IX	01 07 31 55.9–2.9	10.92N	127.28E	46–25	4.4b,2.9s		

ISC Event type se.
IDC Error ellipse: s-maj=158.2km s-min=19.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=8.2km az=158.8.
NEIC Event type se. Error ellipse: s-maj=44.4km s-min=9.5km az=67.0.

IDC	**IX**	**01 07 55 09.4–1.9**	**10.40N**	**126.52E**	**0**	**3.8,3.7**		

¶601862705

IDC Error ellipse: s-maj=189.7km s-min=21.0km az=67.0.
IDC IX 01 08 02 29.2–1.4 10.13N 126.46E 0 3.9,3.8

¶601862706

IDC Error ellipse: s-maj=153.1km s-min=18.5km az=66.0.
ISC IX 01 08 08 07.7–.94 10.37N–.03 126.86E–.04 12–5 4.9b,4.1s 557 2-173
MOS IX 01 08 08 04.5–.95 10.40N 126.78E 33 5.3b,4.1s ¶601668346
IDC IX 01 08 08 05.6–.30 10.34N 126.87E 0 4.8,4.8
MAN IX 01 08 08 07.0 10.40N 126.84E 7 5.5b,4.7s
ISCJB IX 01 08 08 07.1–.86 10.40N–.02 126.92E–.02 18–6 4.9b,4.0s
GCMT IX 01 08 08 10.1–.30 10.43N–.03 126.97E–.04 16–1 5.0W,4.0s
NEIC IX 01 08 08 11.2–.12 10.35N 126.85E 35 5.0b,4.0s
BJI IX 01 08 08 11.2 10.48N 126.77E 40 5.0b,5.0b
KLM IX 01 08 08 12.0 10.21N 127.21E 62 5.0b,5.0b
DJA IX 01 08 08 13.2–.70 10N–3.0 127E–3.0 50–6 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s89,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.86±.33 $M_{\theta\theta}$1.67±.18; $M_{\phi\phi}$2.19±.21; $M_{r\theta}$1.01±.56; $M_{\theta\phi}$-1.32±.10; $M_{\phi r}$-1.44±.53; Best double couple: NP1:ϕ_s322.00000°,δ58.00000°,λ-88.00000°. NP2:ϕ_s139.00000°,δ32.00000°,λ-93.00000°. Principal axes: T 3.6830,Plg13.0000° ,Azm51.0000°; N 0.5880,Plg1.0000°,Azm141.0000°; P -4.2710,Plg77.0000°,Azm237.0000° M_o3.97700×10^{16}
NEIC Event type se.
ISC IX 01 08 13 16.9–.26 10.37N–.03 126.92E–.05 39–2 5.0b 420 2-164
IDC IX 01 08 13 10.9–.32 10.35N 126.86E 0 4.8,4.7 ¶601668347
MAN IX 01 08 13 12.7 10.47N 127.04E 76 5.5b,4.8s
BJI IX 01 08 13 13.8 10.16N 126.91E 37 5.1b,5.0b
ISCJB IX 01 08 13 14.1–.98 10.41N–.02 126.93E–.02 30–7 4.9b,4.2s
MOS IX 01 08 13 14.8–1.1 10.28N 126.81E 39 5.4b,4.2s
NEIC IX 01 08 13 16.4–.15 10.36N 126.88E 35 5.0b,4.2s
GCMT IX 01 08 13 18.4–.30 10.52N–.02 126.90E–.03 18–1 5.1W,4.2s
KLM IX 01 08 13 18.0 10.28N 127.19E 64 5.1b,4.2s
DJA IX 01 08 13 19.9–1.5 10N–6.0 127E–7.0 62–13 5.5b,5.0b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s96,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.96±.31 $M_{\theta\theta}$2.28±.17; $M_{\phi\phi}$2.68±.19; $M_{r\theta}$2.13±.41; $M_{\theta\phi}$-1.85±.09; $M_{\phi r}$0.07±.39; Best double couple: NP1:ϕ_s302.00000°,δ55.00000°,λ-107.00000°. NP2:ϕ_s151.00000°,δ38.00000°,λ-67.00000°. Principal axes: T 4.5540,Plg9.0000° ,Azm44.0000°; N 1.0250,Plg14.0000°,Azm312.0000°; P -5.5790,Plg73.0000°,Azm166.0000° M_o5.06600×10^{16}
ISC IX 01 08 18 45.5–.94 10.43N–.05 126.87E–.08 20–9 4.6b 104 2-151
IDC IX 01 08 18 42.0–.50 10.40N 126.98E 0 4.4,4.4 ¶601670017
ISCJB IX 01 08 18 45.4–1.9 10.41N–.04 126.91E–.04 32–13 4.5b,4.4
NEIC IX 01 08 18 47.7–.19 10.40N 126.92E 35 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=11.3km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=147.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=88.0.
ISC IX 01 08 40 07.1–1.0 10.2N–.20 126.6E–.50 42 4.0b 10 27-146
IDC IX 01 08 40 01.4–.98 10.18N 126.54E 0 4.0,3.9 ¶601862708
ISCJB IX 01 08 40 04.9–.89 10.2N–.20 126.8E–.40 42 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 08 41 40.9–1.8 10.2N–.10 126.7E–.30 38–12 4.2b 40 17-146
IDC IX 01 08 41 35.2–.77 10.25N 126.68E 0 4.1L,4.0 ¶601734420
NEIC IX 01 08 41 41.8–2.4 10.21N 126.71E 48–22 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=56.5km s-min=15.6km az=71.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=6.3km az=73.0.
ISC IX 01 09 01 01.3–.47 10.30N–.05 126.87E–.06 20 4.5b,3.0s 53 2-146
IDC IX 01 09 00 58.2–.48 10.32N 126.91E 0 4.4,4.3b ¶601794273
ISCJB IX 01 09 00 59.9–.38 10.39N–.04 126.92E–.04 20 4.4b,3.0s
MAN IX 01 09 01 01.2 10.48N 126.94E 54 5.5b,4.8s
NEIC IX 01 09 01 03.6–.36 10.36N 126.97E 35 4.6b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.6km az=150.7.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.9km az=88.0.
ISC IX 01 09 39 14.7–.49 10.34N–.07 126.9E–.10 20 4.3b 58 4-146
IDC IX 01 09 39 11.6–.54 10.31N 126.94E 0 4.2,4.1b ¶601794272
ISCJB IX 01 09 39 12.6–.34 10.30N–.04 126.95E–.07 20 4.1b,2.7s
NEIC IX 01 09 39 15.6–1.8 10.32N 126.98E 29–13 4.2b,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=11.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.2km az=172.8.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=83.0.
IDC IX 01 09 47 28.3–1.5 11.22N 127.96E 0 3.6,3.6

¶601862709

IDC Error ellipse: s-maj=112.5km s-min=20.9km az=70.0.
ISC IX 01 09 52 03.9–3.1 10.32N–.05 126.97E–.07 25–22 4.4b,2.9s 98 2-146
IDC IX 01 09 52 00.3–.48 10.31N 126.89E 0 4.4,4.3b ¶601794271
ISCJB IX 01 09 52 01.5–1.8 10.31N–.03 127.03E–.04 23–13 4.4b,2.9s
NEIC IX 01 09 52 03.0–1.9 10.31N 126.97E 20–12 4.5b,2.9s
MAN IX 01 09 52 05.5 10.36N 126.79E 24 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=11.0km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.4km az=9.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=87.0.
IDC IX 01 09 57 45.4–2.0 10.82N 126.76E 0 3.8,3.7

¶601862710

IDC Error ellipse: s-maj=132.4km s-min=20.7km az=68.0.
ISC IX 01 10 09 48.2–.91 10.41N–.05 126.99E–.07 26–6 4.4b,3.0s 91 2-146
ISCJB IX 01 10 09 44.8–1.9 10.37N–.04 127.02E–.04 15–13 4.4b,3.0s ¶601794270
IDC IX 01 10 09 44.2–.49 10.34N 127.04E 0 4.2,4.2b
MAN IX 01 10 09 48.4 10.46N 126.74E 10 5.0b,4.0s
NEIC IX 01 10 09 49.2–.22 10.36N 127.08E 35 4.5b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.0km az=154.2.
IDC Error ellipse: s-maj=23.4km s-min=11.3km az=79.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=96.0.
ISC IX 01 10 18 06.7–.95 10.35N–.04 126.48E–.07 27–6 4.1b 66 2-146
IDC IX 01 10 18 02.9–.55 10.24N 125.99E 0 4.1,4.0b ¶601794269
MAN IX 01 10 18 05.2 10.38N 126.48E 8 5.0b,4.0s
NEIC IX 01 10 18 07.6–.33 10.19N 126.01E 35 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=11.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=73.0.
ISC IX 01 10 19 41.5–.52 11.10N–.07 126.5E–.10 37 4.5b 40 16-102
IDC IX 01 10 19 36.8–.68 11.16N 126.47E 0 4.0,3.9b ¶601794268
ISCJB IX 01 10 19 39.4–.35 11.07N–.05 126.52E–.07 37 4.3b,2.9s
NEIC IX 01 10 19 41.1–.31 11.08N 126.53E 35 4.4b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=13.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=167.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=77.0.
ISC IX 01 11 05 34.6–1.8 10.89N–.04 126.72E–.05 26–13 4.6b,3.0s 132 1-147
IDC IX 01 11 05 30.9–.43 10.87N 126.63E 0 4.4,4.3b ¶601794267
ISCJB IX 01 11 05 33.0–1.6 10.84N–.03 126.72E–.03 30–11 4.5b,3.0s
NEIC IX 01 11 05 35.3–.21 10.83N 126.73E 35 4.6b,3.0s
MAN IX 01 11 05 35.0 10.97N 126.65E 41 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=10.8km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=153.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=74.0.
ISC IX 01 11 24 19.2–1.2 11.06N–.04 126.78E–.07 43–10 4.4b 108 1-87
IDC IX 01 11 24 13.3–.71 10.91N 126.52E 0 4.4L,4.3 ¶601670023
MAN IX 01 11 24 14.9 11.17N 126.89E 32 5.4b,4.5s
ISCJB IX 01 11 24 16.5–.77 11.10N–.03 126.79E–.05 36–6 4.3b,4.5s
NEIC IX 01 11 24 17.9–.44 11.18N 126.89E 35 4.5b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=12.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=158.2.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.1km az=71.0.
IDC IX 01 11 31 45.6–3.8 10.66N 126.51E 0 3.7,3.7

¶601862716

IDC Error ellipse: s-maj=350.0km s-min=24.7km az=68.0.
IDC IX 01 11 41 58.5–2.0 10.37N 126.34E 0 3.9,3.8b

¶601862717

IDC Error ellipse: s-maj=143.3km s-min=19.2km az=68.0.
ISC IX 01 12 19 18.0–.41 10.41N–.05 126.93E–.08 39–5 4.5b 100 2-146
ISCJB IX 01 12 19 12.3–2.6 10.31N–.04 126.96E–.04 13–17 4.5b ¶601670025
IDC IX 01 12 19 12.3–.49 10.31N 126.89E 0 4.3,4.3
NEIC IX 01 12 19 17.1–.20 10.33N 126.97E 35 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=6.1km az=137.0.
IDC Error ellipse: s-maj=24.6km s-min=10.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=87.0.
ISC IX 01 12 27 18.0–.53 10.42N–.03 127.00E–.05 24–3 4.8b,3.5s 272 2-154
IDC IX 01 12 27 13.9–.38 10.38N 126.92E 0 4.6,4.6b ¶601670026
ISCJB IX 01 12 27 15.8–1.1 10.41N–.02 126.99E–.03 21–7 4.7b,3.6s
MAN IX 01 12 27 15.9 10.61N 127.06E 42 5.8b,5.2s
BJI IX 01 12 27 16.8 10.28N 127.11E 35 4.8b,4.8b
MOS IX 01 12 27 16.4–.99 10.32N 126.96E 29 5.2b,4.8b
DJA IX 01 12 27 18.3–.40 11N–3.0 127E–3.0 43–5 5.4,5.2b
NEIC IX 01 12 27 19.3–.18 10.36N 126.94E 35 4.8b,5.2b
KLM IX 01 12 27 20.0 10.35N 127.11E 50 5.0b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=9.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=1.1.
MOS Error ellipse: s-maj=11.9km s-min=5.8km az=111.4.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=87.0.
ISC IX 01 12 37 30.6–.43 10.75N–.05 126.88E–.06 20 4.5b 75 2-121
IDC IX 01 12 37 27.8–.52 10.67N 126.91E 0 4.1,4.1b ¶601794264
ISCJB IX 01 12 37 28.7–.28 10.64N–.04 126.94E–.04 20 4.4b,3.5s
NEIC IX 01 12 37 32.6–.19 10.63N 126.96E 35 4.5b,3.5s
MAN IX 01 12 37 32.4 10.82N 126.84E 33 5.3b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=11.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=42.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=77.0.
ISC IX 01 14 45 48.6–1.2 10.8N–.20 126.6E–.10 37 3.6b 8 2-61
IDC IX 01 14 45 42.9–2.4 10.89N 126.73E 0 3.8,3.7b ¶601862723
ISCJB IX 01 14 45 46.2–.96 10.9N–.10 126.7E–.10 37 3.7b,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 14 54 02.9–.50 10.68N–.04 126.89E–.07 20 4.3b 65 2-146
IDC IX 01 14 53 59.9–.57 10.61N 126.79E 0 4.2,4.1 ¶601819222
ISCJB IX 01 14 54 01.3–.33 10.68N–.03 126.88E–.04 20 4.2b,4.1
MAN IX 01 14 54 01.8 10.78N 126.89E 18 5.3b,4.5s
NEIC IX 01 14 54 05.0–.29 10.57N 126.78E 35 4.5b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=12.1km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.5km az=150.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.6km az=84.0.
ISC IX 01 14 54 16.2–.58 10.6N–.10 126.8E–.20 20 4.4b 25 21-146
IDC IX 01 14 54 13.1–.52 10.61N 126.81E 0 4.4,4.3 ¶601862726
ISCJB IX 01 14 54 14.2–.47 10.61N–.07 126.8E–.20 20 4.3b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 14 55 27.9–.37 10.64N–.05 126.96E–.08 20 4.7b 136 2-154
IDC IX 01 14 55 24.6–.45 10.62N 126.78E 0 4.5,4.4b ¶601670030
ISCJB IX 01 14 55 25.7–.24 10.62N–.04 126.97E–.06 20 4.6b,4.1s
BJI IX 01 14 55 25.1 10.56N 126.92E 19 4.9b,4.7b
MOS IX 01 14 55 27.7–1.0 10.64N 126.91E 33 5.0b,4.7b
NEIC IX 01 14 55 29.6–.21 10.63N 126.86E 35 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=10.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=171.1.
MOS Error ellipse: s-maj=15.1km s-min=6.4km az=112.2.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.5km az=82.0.
ISC IX 01 14 56 07.1–.67 10.6N–.10 126.8E–.20 35 4.5b 25 29-97
IDC IX 01 14 56 01.9–.69 10.57N 126.73E 0 4.5,4.4 ¶601819225
ISCJB IX 01 14 56 05.1–.48 10.54N–.08 126.8E–.20 35 4.4b,4.4
NEIC IX 01 14 56 07.0–.32 10.55N 126.76E 35 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=15.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=10.4km az=163.9.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.2km az=76.0.
ISC IX 01 16 16 59.5–2.4 10.19N–.05 126.6E–.20 51–22 3.8b 20 2-86
IDC IX 01 16 16 52.5–1.6 10.30N 126.64E 0 3.9,3.8 ¶601862730
MAN IX 01 16 16 55.1 10.27N 126.64E 11 5.0b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=201.1km s-min=21.0km az=67.0.
MAN IX 01 16 30 56.5 10.32N 126.85E 14 5.0b,3.9L

¶604684218

ISC IX 01 17 00 03.9–1.3 10.9N–.10 126.8E–.20 35 3.9b,3.2s 11 2-61
IDC IX 01 16 59 57.0–2.8 10.99N 127.61E 0 3.9,3.8b ¶601819227
ISCJB IX 01 17 00 01.0–.93 10.8N–.10 126.9E–.10 33 3.8b,3.1s
MAN IX 01 17 00 04.2 10.93N 126.66E 69 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=229.3km s-min=20.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=10.5km az=139.0.
ISC IX 01 17 26 42.0–.70 10.65N–.03 126.92E–.05 32–4 4.8b,3.4s 286 2-152
IDC IX 01 17 26 37.4–.39 10.54N 126.79E 0 4.5,4.4b ¶601670032
MOS IX 01 17 26 40.5–1.1 10.52N 126.81E 33 5.1b,4.4b
NEIC IX 01 17 26 40.4–1.9 10.55N 126.85E 23–13 4.9b,4.4b
ISCJB IX 01 17 26 40.6–.57 10.62N–.02 126.87E–.03 33–5 4.7b,3.5s
MAN IX 01 17 26 42.0 10.68N 126.75E 46 5.4b,4.6s
BJI IX 01 17 26 41.0 10.68N 126.83E 29 4.8b,4.6b
DJA IX 01 17 26 55.8–.60 10N–5.0 127E–4.0 60–6 5.2b,5.0
ISC Event type fe.
NEIC Event type fe. Felt at Burgos, Mindanao.
ISCJB Event type fe.
IDC IX 01 17 38 04.5–2.4 10.84N 127.49E 0 3.8,3.8

¶601862732

IDC Error ellipse: s-maj=235.0km s-min=24.9km az=68.0.
ISC IX 01 17 53 08.4–.69 10.56N–.05 126.92E–.09 20 4.2b 48 2-97
IDC IX 01 17 53 05.7–1.9 10.52N 127.03E 0 4.0,3.9b ¶601826755
ISCJB IX 01 17 53 06.9–.44 10.57N–.05 126.96E–.06 20 4.2b,3.5s
MAN IX 01 17 53 10.8 10.75N 126.82E 34 4.9b,3.9L
NEIC IX 01 17 53 10.7–.42 10.51N 126.97E 35 4.4b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=168.1km s-min=18.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.9km az=11.3.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.4km az=75.0.
ISC IX 01 17 56 51.7–.91 10.72N–.08 126.8E–.10 44 3.9b 20 2-86
IDC IX 01 17 56 45.6–1.4 10.69N 127.02E 0 3.8,3.8 ¶601862733
ISCJB IX 01 17 56 49.8–.71 10.68N–.07 126.79E–.08 44 3.8b,3.8
MAN IX 01 17 56 49.5 10.77N 126.76E 48 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=120.0km s-min=15.1km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.4km az=140.4.
ISC IX 01 17 57 47.8–.60 10.58N–.10 126.7E–.20 44 4.4b 34 16-86
IDC IX 01 17 57 41.4–1.2 10.61N 126.77E 0 4.0,3.9 ¶601826754
ISCJB IX 01 17 57 46.0–.38 10.53N–.06 126.7E–.10 44 4.4b,3.9
NEIC IX 01 17 57 47.0–.31 10.52N 126.62E 35 4.7b,3.9
ISC Event type se.

IDC Error ellipse: s-maj=103.4km s-min=15.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=7.2km az=164.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=5.9km az=75.0.
ISC IX 01 18 06 44.5–1.1 10.80N–.04 126.63E–.05 28–7 4.5b 159 1-147
MAN IX 01 18 06 38.3 10.93N 126.89E 6 5.3b,4.4s ¶601670037
IDC IX 01 18 06 40.0–.46 10.72N 126.49E 0 4.3,4.2
MOS IX 01 18 06 42.1–1.1 10.71N 126.56E 26 4.8b,4.2
ISCJB IX 01 18 06 43.5–.79 10.79N–.03 126.67E–.05 36–7 4.4b,4.2
NEIC IX 01 18 06 45.4–.21 10.75N 126.53E 35 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=10.6km az=75.0.
MOS Error ellipse: s-maj=15.5km s-min=6.8km az=117.3.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.2km az=163.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.0km az=73.0.
ISC IX 01 18 15 09.6–1.1 10.88N–.06 126.69E–.10 44 4.1b 20 1-56
IDC IX 01 18 15 06.0–3.8 10.39N 125.91E 0 3.9,3.8 ¶601862734
MAN IX 01 18 15 07.4 10.93N 126.69E 50 4.8b,3.7L
ISCJB IX 01 18 15 08.3–.86 10.87N–.06 126.69E–.07 44 4.2b,3.7L
ISC Event type ke.
ISCJB Event type ke.
IDC IX 01 18 16 02.9–4.3 10.55N 126.06E 0 3.7,3.6b
¶601862737
IDC Error ellipse: s-maj=436.9km s-min=23.8km az=65.0.
ISC IX 01 21 15 10.3–1.8 10.8N–.10 126.8E–.10 35 4.3b 12 2-86
MAN IX 01 21 15 09.8 10.80N 126.64E 18 4.6b,3.5L ¶604684221
ISC Event type ke.
ISC IX 01 21 52 30.5–.58 10.69N–.05 126.73E–.07 44 4.2b 42 2-146
IDC IX 01 21 52 24.6–.58 10.64N 126.66E 0 4.2,4.2b ¶601734421
ISCJB IX 01 21 52 28.7–.43 10.68N–.04 126.74E–.04 44 4.1b,3.4s
MAN IX 01 21 52 28.6 10.72N 126.74E 49 4.1b,3.4s
NEIC IX 01 21 52 29.7–.33 10.63N 126.66E 35 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=11.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.2km az=41.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=6.4km az=76.0.
IDC IX 01 22 01 47.8–2.2 10.43N 126.61E 0 3.8,3.7
¶601862744
IDC Error ellipse: s-maj=221.5km s-min=19.4km az=67.0.
IDC IX 01 22 31 05.5–1.7 10.50N 126.68E 0 3.8,3.7
¶601862746
IDC Error ellipse: s-maj=154.9km s-min=19.4km az=69.0.
IDC IX 01 23 38 00.3–2.0 10.56N 126.23E 0 3.8,3.7
¶601862747
IDC Error ellipse: s-maj=141.7km s-min=19.4km az=68.0.
ISC IX 01 23 55 32.6–.75 10.7N–.10 126.8E–.30 20 3.9b 14 27-86
IDC IX 01 23 55 29.6–1.4 10.64N 126.79E 0 3.9,3.8 ¶601734424
ISCJB IX 01 23 55 30.6–.56 10.65N–.09 126.9E–.20 20 3.9b,3.8
NEIC IX 01 23 55 34.7–.42 10.66N 126.85E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=112.8km s-min=15.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=34.4km s-min=10.8km az=165.5.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=8.3km az=76.0.
ISC IX 01 23 58 03.9–.46 10.47N–.05 126.95E–.07 20 4.3b,2.9s 47 2-146
IDC IX 01 23 58 00.7–.50 10.35N 126.86E 0 4.3,4.2b ¶601734425
ISCJB IX 01 23 58 02.1–.36 10.45N–.04 126.97E–.04 20 4.1b,2.9s
MAN IX 01 23 58 03.4 10.56N 126.97E 75 5.1b,4.2s
NEIC IX 01 23 58 05.8–.25 10.34N 126.89E 35 4.4b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=11.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=160.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.4km az=76.0.
IDC IX 02 00 31 15.0–3.4 10.98N 127.36E 0 4.0,3.9
¶601862754
IDC Error ellipse: s-maj=293.1km s-min=26.8km az=68.0.
ISC IX 02 00 41 24.2–.56 10.88N–.05 126.64E–.08 37 4.3b 33 1-147
IDC IX 02 00 41 18.8–.59 10.77N 126.62E 0 4.3,4.2b ¶601734426
ISCJB IX 02 00 41 22.1–.43 10.83N–.04 126.74E–.05 37 4.2b,2.6s
NEIC IX 02 00 41 24.0–.27 10.76N 126.62E 35 4.5b,2.6s
MAN IX 02 00 41 24.9 10.97N 125.94E 121 4.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=12.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=0.9.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.5km az=77.0.
ISC IX 02 00 44 10.3–.59 10.97N–.08 126.88E–.08 35 4.2b 25 2-147
IDC IX 02 00 44 05.6–1.1 10.96N 127.10E 0 4.1,4.0 ¶601734427
ISCJB IX 02 00 44 08.3–.46 10.94N–.06 126.88E–.05 33 4.2b,4.0
NEIC IX 02 00 44 10.8–.31 10.93N 127.12E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=78.4km s-min=15.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=35.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.4km az=80.0.
ISC IX 02 00 52 45.1–.60 10.79N–.06 126.63E–.08 37 4.2b 25 1-147
IDC IX 02 00 52 40.1–.81 10.72N 126.54E 0 4.2,4.1b ¶601734428
MAN IX 02 00 52 41.3 10.84N 126.70E 18 4.7b,3.6L
ISCJB IX 02 00 52 43.2–.43 10.71N–.05 126.61E–.07 37 4.1b,4.0s
NEIC IX 02 00 52 45.2–.35 10.71N 126.62E 35 4.2b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=14.9km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.2km az=146.9.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=77.0.
ISC IX 02 01 38 16.2–.63 10.85N–.05 126.69E–.09 37 3.9b 32 1-170
IDC IX 02 01 38 11.3–.73 10.72N 126.49E 0 4.2,4.1 ¶601734429
MAN IX 02 01 38 13.5 10.83N 126.72E 25 4.8b,3.7L
ISCJB IX 02 01 38 14.1–.51 10.82N–.04 126.71E–.05 37 4.1b,2.9s
NEIC IX 02 01 38 16.3–.39 10.72N 126.54E 35 4.0b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=52.2km s-min=14.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=152.6.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=7.2km az=71.0.
ISC IX 02 02 15 38.4–1.1 10.95N–.06 126.5E–.10 37 3.9b 17 1-85
IDC IX 02 02 15 31.5–1.6 11.01N 126.94E 0 4.0,3.9 ¶601862759
ISCJB IX 02 02 15 36.0–.79 10.94N–.05 126.61E–.09 37 3.9b,3.9
MAN IX 02 02 15 39.5 10.87N 126.05E 20 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=127.3km s-min=16.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.7km az=175.2.
IDC IX 02 02 33 22.1–2.2 10.01N 126.44E 0 3.8,3.7
¶601862761
IDC Error ellipse: s-maj=203.1km s-min=20.0km az=67.0.
ISC IX 02 03 45 39.2–.96 10.37N–.08 126.7E–.20 44 3.9b 12 2-146
IDC IX 02 03 45 33.0–.98 10.37N 126.85E 0 4.0,3.9 ¶601862763
ISCJB IX 02 03 45 37.2–.83 10.39N–.09 126.7E–.10 44 3.9b,3.9
MAN IX 02 03 45 38.8 10.43N 126.57E 29 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=18.4km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=9.3km az=154.1.
ISC IX 02 04 23 30.1–1.1 10.84N–.07 126.8E–.10 35 3.7b 14 2-86
IDC IX 02 04 23 24.7–1.5 10.83N 127.10E 0 3.9,3.8b ¶601862766
ISCJB IX 02 04 23 27.5–.95 10.8N–.10 126.9E–.10 33 3.8b,3.8b
MAN IX 02 04 23 28.3 10.81N 126.66E 10 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=124.9km s-min=19.5km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=7.6km az=140.4.
ISC IX 02 05 20 42.2–.57 11.32N–.05 126.61E–.08 40 4.2b 43 1-78
IDC IX 02 05 20 37.1–.74 11.24N 126.73E 0 4.0,3.9b ¶601819229
MAN IX 02 05 20 39.4 11.38N 126.62E 51 5.0b,4.0s
ISCJB IX 02 05 20 40.5–.36 11.26N–.04 126.65E–.05 40 4.3b,2.9s
NEIC IX 02 05 20 41.8–.29 11.22N 126.69E 35 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=14.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=169.7.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.7km az=85.0.
ISC IX 02 05 52 13.8–1.5 10.6N–.20 128.0E–.70 35 4.0b 8 29-146
IDC IX 02 05 52 08.8–1.5 10.60N 127.83E 0 3.9,3.8 ¶601862767
ISCJB IX 02 05 52 11.6–1.9 10.6N–.30 127.8E–.90 33 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 06 28 59.6–.94 10.7N–.20 126.7E–.20 35 4.0b 14 1-86
IDC IX 02 06 28 54.2–1.5 10.79N 126.97E 0 3.8,3.8 ¶601862768
ISCJB IX 02 06 28 57.5–.71 10.7N–.10 126.7E–.20 33 3.9b,3.8
MAN IX 02 06 28 58.2 10.86N 126.59E 9 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=147.4km s-min=16.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=30.2km s-min=7.8km az=137.7.
ISC IX 02 07 32 15.3–.66 10.33N–.03 126.51E–.05 50–5 4.6b,4.0s 229 2-165
IDC IX 02 07 32 08.0–.39 10.26N 126.35E 0 4.5,4.5b ¶601670442
MAN IX 02 07 32 08.7 10.34N 126.64E 1 5.5b,4.8s
ISCJB IX 02 07 32 13.0–.61 10.29N–.03 126.52E–.04 48–5 4.6b,4.0s
MOS IX 02 07 32 12.0–1.2 10.24N 126.39E 39 4.9b,4.0s
NEIC IX 02 07 32 13.3–.18 10.30N 126.52E 35 4.7b,4.0s
BJI IX 02 07 32 14.8 10.29N 126.38E 59 4.9b,4.7b
DJA IX 02 07 32 22.9–.80 10N–5.0 126E–7.0 130–10 5.5,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 02 08 01 50.3–.52 10.89N–.05 126.84E–.09 38–3 4.4b 92 2-164
ISCJB IX 02 08 01 44.8–2.1 10.80N–.04 126.88E–.04 12–13 4.4b,4.1s ¶601670443
IDC IX 02 08 01 44.6–.48 10.78N 126.82E 0 4.3,4.2
MAN IX 02 08 01 48.9 10.94N 126.71E 18 5.2b,4.3s
NEIC IX 02 08 01 49.1–1.6 10.79N 126.86E 30–11 4.5b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=6.0km az=148.7.
IDC Error ellipse: s-maj=24.5km s-min=11.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=84.0.
ISC IX 02 08 11 26.8–.50 10.86N–.06 126.78E–.07 35 4.5b,3.6s 82 2-147
IDC IX 02 08 11 21.2–.65 10.73N 126.87E 0 4.2,4.1 ¶601670444
NEIC IX 02 08 11 23.8–2.9 10.79N 126.80E 14–18 4.6b,4.1
ISCJB IX 02 08 11 24.6–.29 10.79N–.04 126.79E–.04 33 4.4b,3.5s
MAN IX 02 08 11 25.4 10.97N 126.77E 41 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=14.1km az=85.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=167.8.
MAN IX 02 08 16 18.9 10.39N 126.74E 33 4.7b,3.6L
¶604684222
ISC IX 02 08 25 24.4–2.0 10.52N–.05 126.33E–.09 3–12 4.1b 55 1-97
IDC IX 02 08 25 24.2–.61 10.56N 126.29E 0 3.9,3.8 ¶601832069
MAN IX 02 08 25 27.8 11.01N 126.49E 0 4.4b,3.2L
NEIC IX 02 08 25 28.8–.27 10.51N 126.30E 35 4.4b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=13.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=81.0.
ISC IX 02 08 29 02.5–.49 10.28N–.07 126.3E–.10 44 4.2b 46 1-146
IDC IX 02 08 28 56.5–.64 10.34N 126.42E 0 4.0,3.9 ¶601832070
MAN IX 02 08 28 59.4 10.56N 126.63E 11 5.0b,3.9L
ISCJB IX 02 08 29 00.4–.39 10.25N–.06 126.38E–.09 44 4.2b,3.9L
NEIC IX 02 08 29 01.6–.29 10.27N 126.29E 35 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=14.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.1km az=154.2.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.1km az=70.0.
MAN IX 02 08 51 44.9 10.39N 126.72E 16 4.7b,3.6L
¶604684223
ISC IX 02 10 01 37.5–1.2 10.42N–.05 126.6E–.10 44 3.9b 16 2-90
MAN IX 02 10 01 32.8 10.44N 126.71E 17 4.8b,3.7L ¶601862774
IDC IX 02 10 01 32.6–2.6 10.67N 126.22E 0 3.8,3.8b
ISCJB IX 02 10 01 33.6–1.1 10.45N–.04 126.78E–.08 44 3.9b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 02 10 12 56.2–2.6 10.67N 126.29E 0 3.6,3.4
¶601862775
IDC Error ellipse: s-maj=241.0km s-min=19.8km az=65.0.
IDC IX 02 10 25 38.5–3.6 10.52N 126.65E 0 3.7,3.6
¶601862776
IDC Error ellipse: s-maj=312.4km s-min=21.9km az=66.0.
ISC IX 02 13 14 47.2–.79 10.93N–.07 126.9E–.10 35 4.0b 32 2-86
IDC IX 02 13 14 41.6–1.2 10.93N 127.03E 0 4.0,3.9 ¶601705091
ISCJB IX 02 13 14 44.9–.51 10.89N–.05 126.89E–.07 33 3.9b,3.9
MAN IX 02 13 14 46.9 10.84N 126.63E 29 5.2b,4.3s
NEIC IX 02 13 14 46.3–.56 11.01N 127.28E 35 4.3b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=99.8km s-min=14.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.3km az=149.8.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=8.4km az=79.0.
MAN IX 02 13 16 32.9 11.60N 126.83E 21 4.6b,3.5L
¶604684225
ISC IX 02 14 42 15.4–.41 11.31N–.03 126.71E–.04 32–2 5.3b,4.2s 1047 1-170
IDC IX 02 14 42 10.7–.27 11.32N 126.65E 0 5.1,5.1 ¶601670458
BJI IX 02 14 42 10.7 11.03N 127.00E 33 5.2b,5.0b
MAN IX 02 14 42 13.1 11.41N 126.70E 27 5.9b,5.4s
ISCJB IX 02 14 42 14.2–.10 11.33N–.01 126.69E–.02 35 5.2b,4.2s
MOS IX 02 14 42 14.4–.94 11.34N 126.63E 35 5.5b,4.2s
GCMT IX 02 14 42 15.5–.20 11.40N–.01 126.75E–.01 12 5.2W,4.2s
NEIC IX 02 14 42 15.5–.08 11.31N 126.65E 35 5.4b,4.2s
KLM IX 02 14 42 16.0 11.32N 126.81E 46 5.3b,4.2s
DJA IX 02 14 42 16.4–.50 11N–2.0 127E–2.0 35–4 5.8,5.5b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c81; s116,c190;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.27±.11 $M_{\theta\theta}$1.11±.10; $M_{\phi\phi}$5.15±.11; $M_{r\theta}$1.46±.40; $M_{\theta\phi}$-3.22±.08; $M_{\phi r}$-0.51±.33; Best double couple: NP1:ϕ_s321.00000°,δ51.00000° ,λ-103.00000°. NP2:ϕ_s161.00000°,δ41.00000°,λ-75.00000°. Principal axes: T 7.0320,Plg5.0000°,Azm60.0000°; N -0.4920,Plg10.0000°,Azm330.0000° ; P -6.5490,Plg79.0000°,Azm177.0000° $M_0$6.79000×10^{16}
NEIC Event type se.
ISC IX 02 14 51 23.0–1.3 11.15N–.07 126.9E–.10 35 3.7b 15 1-56
IDC IX 02 14 51 19.7–4.6 10.79N 126.31E 0 3.7,3.6 ¶601862789
ISCJB IX 02 14 51 20.9–.96 11.13N–.06 126.90E–.07 33 3.6b,3.6
MAN IX 02 14 51 20.2 11.16N 126.94E 32 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=413.3km s-min=22.3km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.3km az=147.0.
ISC IX 02 15 18 27.5–.52 10.35N–.04 126.85E–.07 20 4.4b 60 2-146
MAN IX 02 15 18 24.6 10.53N 127.08E 99 5.3b,4.4s ¶601670461
IDC IX 02 15 18 24.2–.63 10.34N 126.87E 0 4.2,4.1
ISCJB IX 02 15 18 25.3–.33 10.37N–.03 127.02E–.04 20 4.3b,4.1
BJI IX 02 15 18 27.9 10.37N 127.12E 34 4.9b,4.5b
NEIC IX 02 15 18 29.1–.29 10.40N 127.12E 35 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=11.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=175.9.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=4.7km az=82.0.
ISC IX 02 15 24 09.6–1.5 10.9N–.10 126.8E–.20 37 3.5b 8 1-56
IDC IX 02 15 24 06.3–2.2 10.35N 125.89E 0 3.6,3.5 ¶601862790
ISCJB IX 02 15 24 07.5–1.2 10.9N–.10 126.8E–.20 37 3.5b,3.5
MAN IX 02 15 24 08.6 10.90N 126.67E 28 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=184.9km s-min=22.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=12.2km az=149.2.
IDC IX 02 15 29 29.1–2.9 10.40N 127.21E 0 4.3s,4.3
¶601862791

IDC Error ellipse: s-maj=243.0km s-min=20.0km az=67.0.
ISC IX 02 16 18 19.9–.63 11.39N–.07 126.69E–.08 40 4.2b,2.9s 43 1-85
IDC IX 02 16 18 14.2–.67 11.31N 126.74E 0 4.1,4.0b ¶601705092
ISCJB IX 02 16 18 17.7–.40 11.31N–.05 126.73E–.05 40 4.1b,2.9s
NEIC IX 02 16 18 19.6–3.7 11.26N 126.71E 40–35 4.6b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=13.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.5km az=24.9.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.8km az=68.0.
IDC IX 02 16 58 02.2–2.3 9.97N 127.17E 0 4.0,3.9
¶601862793
IDC Error ellipse: s-maj=205.3km s-min=26.7km az=67.0.
ISC IX 02 17 21 11.2–.61 10.64N–.05 126.83E–.08 20 4.2b 36 2-146
IDC IX 02 17 21 08.1–.72 10.57N 126.84E 0 4.2,4.2 ¶601862796
ISCJB IX 02 17 21 09.1–.47 10.59N–.04 126.91E–.05 20 4.1b,4.2
MAN IX 02 17 21 10.6 10.66N 126.92E 33 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=46.0km s-min=11.4km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=167.9.
ISC IX 02 17 24 00.1–.62 10.97N–.05 126.73E–.09 37 4.0b,3.4s 32 1-147
IDC IX 02 17 23 54.9–.65 10.99N 126.85E 0 4.2,4.1b ¶601862797
MAN IX 02 17 23 56.3 11.00N 126.83E 29 5.3b,4.5s
ISCJB IX 02 17 23 58.4–.48 10.97N–.04 126.75E–.05 37 4.0b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 17 53 34.5–.66 10.99N–.03 126.73E–.06 48–5 4.8b,3.9s 302 1-165
IDC IX 02 17 53 27.7–.36 10.92N 126.60E 0 4.6,4.6b ¶601670466
MAN IX 02 17 53 28.3 11.00N 126.87E 26 5.6b,5.0s
ISCJB IX 02 17 53 29.6–.00 10.99N–.02 126.72E–.03 22–7 4.7b,3.9s
MOS IX 02 17 53 31.6–1.0 11.04N 126.57E 33 5.1b,3.9s
GCMT IX 02 17 53 31.9–.30 10.91N–.04 126.71E–.03 16–1 4.8W,3.9s
BJI IX 02 17 53 32.3 10.84N 126.88E 59 5.1b,4.9b
NEIC IX 02 17 53 32.9–.19 10.93N 126.70E 35 4.9b,4.9b
DJA IX 02 17 53 42.5–2.7 11N–16 126E–14 47–15 5.2b,4.6b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s66,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.20 $M_{\theta\theta}$0.65±.10; $M_{\phi\phi}$1.63±.13; $M_{r\theta}$-0.49±.38;
$M_{\theta\phi}$-0.71±.05; $M_{\phi r}$0.34±.28; Best double couple: NP1:ϕ_s146.00000°,δ52.00000°,λ-97.00000°.
NP2:ϕ_s338.00000°,δ38.00000°,λ-81.00000°. Principal axes: T 2.0690,Plg7.0000°
,Azm241.0000°; N 0.3000,Plg6.0000°,Azm151.0000°; P -2.3730,Plg81.0000°,Azm21.0000°
M_o2.22100×10^{16}
NEIC Event type se.
MAN IX 02 18 16 42.0 11.10N 126.49E 24 4.6b,3.5L
¶604684227
ISC IX 02 18 30 12.8–1.5 10.63N–.04 126.94E–.05 26–10 4.7b,3.6s 293 2-164
IDC IX 02 18 30 08.5–.36 10.53N 126.87E 0 4.7,4.6 ¶601670468
BJI IX 02 18 30 08.2 10.25N 127.00E 27 5.0b,4.8b
MAN IX 02 18 30 09.2 10.69N 127.06E 54 5.7b,5.0s
ISCJB IX 02 18 30 11.8–.16 10.54N–.02 126.92E–.03 33 4.6b,3.8s
MOS IX 02 18 30 11.5–1.0 10.50N 126.88E 32 5.1b,3.8s
NEIC IX 02 18 30 13.5–.18 10.55N 126.91E 35 4.9b,3.8s
DJA IX 02 18 30 14.8–.70 10N–4.0 127E–4.0 37–6 5.3,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 02 18 54 27.6–.41 10.61N–.04 126.87E–.07 20 4.7b,4.1s 177 2-146
IDC IX 02 18 54 24.5–.49 10.47N 126.75E 0 4.4,4.4b ¶601671981
ISCJB IX 02 18 54 25.6–.25 10.58N–.03 126.91E–.04 20 4.5b,4.1s
MAN IX 02 18 54 26.5 10.69N 126.95E 33 5.6b,4.9s
MOS IX 02 18 54 27.5–.94 10.48N 126.74E 33 5.0b,4.9s
BJI IX 02 18 54 28.2 10.44N 126.91E 49 4.9b,4.7b
DJA IX 02 18 54 29.2–3.6 11N–10 127E–10 25–24 6.1b,5.7
NEIC IX 02 18 54 29.4–.29 10.52N 126.77E 35 4.7b,5.7
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=10.8km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=177.7.
MOS Error ellipse: s-maj=17.6km s-min=6.8km az=120.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.2km az=75.0.
ISC IX 02 19 01 25.3–.66 10.95N–.05 126.71E–.10 37 4.0b,3.0s 28 1-147
MAN IX 02 19 01 20.6 10.96N 126.79E 81 5.3b,4.4s ¶601862800
IDC IX 02 19 01 20.3–.63 10.93N 126.67E 0 4.0,4.0
ISCJB IX 02 19 01 23.5–.53 10.96N–.04 126.70E–.06 37 3.9b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 19 02 38.7–1.3 10.7N–.30 126.2E–.60 37 3.7b 9 1-56
IDC IX 02 19 02 33.2–1.7 10.75N 126.33E 0 3.7,3.6 ¶601862801
ISCJB IX 02 19 02 36.4–1.1 10.8N–.20 126.4E–.40 37 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 19 07 45.6–1.1 11.02N–.07 126.7E–.10 37 3.7b 14 1-86
IDC IX 02 19 07 41.6–2.2 10.50N 126.07E 0 3.7,3.6b ¶601862802
ISCJB IX 02 19 07 42.9–.88 10.93N–.06 126.82E–.08 37 3.7b,3.7s
MAN IX 02 19 07 46.9 11.12N 126.47E 26 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=159.5km s-min=18.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=8.6km az=8.3.
ISC IX 02 19 18 20.6–.68 10.55N–.05 126.78E–.10 20 4.1b 32 2-146
IDC IX 02 19 18 17.5–.76 10.54N 126.90E 0 4.2,4.1b ¶601836692
ISCJB IX 02 19 18 18.8–.50 10.56N–.04 126.88E–.06 20 4.0b,3.1s
MAN IX 02 19 18 22.0 10.70N 126.71E 21 5.3b,4.5s
NEIC IX 02 19 18 22.6–.51 10.55N 126.88E 35 4.0b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=56.4km s-min=12.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=164.5.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=7.8km az=74.0.
ISC IX 02 19 25 17.0–1.3 11.09N–.08 126.9E–.10 35 3.7b 13 2-56
IDC IX 02 19 25 13.1–2.5 10.83N 126.58E 0 3.7,3.6 ¶601862803
ISCJB IX 02 19 25 14.6–.98 11.05N–.06 126.96E–.08 33 3.6b,3.6
MAN IX 02 19 25 16.3 11.05N 126.73E 27 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=170.7km s-min=20.7km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.4km az=149.2.
MAN IX 02 19 26 30.6 11.07N 126.39E 5 4.4b,3.3L
¶604684228
MAN IX 02 19 38 41.8 19.32N 121.02E 33 4.0b,2.7L
¶604684229
ISC IX 02 20 15 59.1–.57 10.58N–.05 126.81E–.07 20 4.1b 32 2-146
IDC IX 02 20 15 56.0–.53 10.50N 126.86E 0 4.1,4.0b ¶601862808
ISCJB IX 02 20 15 57.2–.46 10.57N–.04 126.91E–.05 20 4.0b,4.0b
MAN IX 02 20 15 58.9 10.69N 126.85E 24 5.0b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=11.8km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.6km az=3.7.
ISC IX 02 20 37 18.8–1.8 11.3N–.10 126.9E–.10 35 3.3b 8 1-45
ISCJB IX 02 20 37 16.5–1.5 11.4N–.10 127.0E–.10 35 3.5b ¶604684231
MAN IX 02 20 37 20.0 11.25N 126.68E 56 4.2b,3.0L
IDC IX 02 20 38 21.9–11 3.32N 126.46E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=9.7km az=37.5.
IDC Error ellipse: s-maj=254.3km s-min=193.0km az=81.0.
ISC IX 02 20 39 23.4–.82 11.43N–.06 126.68E–.09 40 3.8b,3.0s 21 1-89
IDC IX 02 20 39 18.3–.81 11.24N 126.74E 0 4.0,3.8b ¶601862810
ISCJB IX 02 20 39 21.2–.70 11.41N–.05 126.75E–.06 40 3.9b,3.3s
MAN IX 02 20 39 21.5 11.43N 126.61E 26 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=15.4km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.7km az=145.6.
IDC IX 02 20 42 46.4–1.9 10.47N 126.91E 0 3.9,3.8
¶601862811
IDC Error ellipse: s-maj=209.7km s-min=19.4km az=66.0.
IDC IX 02 20 46 00.8–2.6 10.56N 126.91E 0 4.1,4.0
¶601862812
IDC Error ellipse: s-maj=247.3km s-min=27.0km az=67.0.
ISC IX 02 21 22 37.1–1.2 10.35N–.06 126.6E–.10 42 3.8b 14 2-86
IDC IX 02 21 22 29.3–5.4 9.86N 126.26E 0 4.0,3.9 ¶601862816
MAN IX 02 21 22 34.9 10.28N 126.50E 14 4.7b,3.6L
ISCJB IX 02 21 22 35.6–.94 10.41N–.05 126.58E–.08 42 3.9b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 21 30 23.0–1.2 11.01N–.09 126.7E–.10 37 3.6b 10 1-56
IDC IX 02 21 30 18.0–4.6 10.95N 126.71E 0 3.7,3.6 ¶601862817
ISCJB IX 02 21 30 21.1–1.0 11.00N–.09 126.70E–.08 37 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 21 31 26.3–3.0 11.01N–.04 126.71E–.07 12–19 4.3b 76 1-147
IDC IX 02 21 31 24.2–.64 10.97N 126.85E 0 4.2,4.1b ¶601833328
ISCJB IX 02 21 31 26.8–2.0 10.97N–.03 126.76E–.05 28–14 4.3b,3.7s
MAN IX 02 21 31 28.5 11.03N 126.65E 31 5.0b,4.0s
NEIC IX 02 21 31 29.9–1.6 10.94N 126.76E 38–16 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=11.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.3km az=172.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.6km az=83.0.
MAN IX 02 22 04 55.0 7.85N 127.35E 7 4.7b,3.6L
¶604684233
ISC IX 02 22 22 06.6–1.2 10.99N–.06 126.7E–.20 40–13 4.1b 43 1-147
ISCJB IX 02 22 22 00.7–2.8 10.95N–.04 126.82E–.05 14–17 4.3b ¶601833326
IDC IX 02 22 22 00.5–1.0 11.03N 126.98E 0 4.0,3.9b
MAN IX 02 22 22 03.5 11.01N 126.72E 31 4.5b,3.4L
NEIC IX 02 22 22 05.8–.40 10.90N 126.73E 35 4.4b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.7km az=159.8.
IDC Error ellipse: s-maj=91.1km s-min=14.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=6.7km az=75.0.
ISC IX 02 22 37 16.7–.46 11.06N–.05 126.70E–.07 37 4.4b,3.7s 77 1-147
IDC IX 02 22 37 11.1–.60 10.95N 126.66E 0 4.2,4.1b ¶601833327
ISCJB IX 02 22 37 14.8–.30 11.00N–.04 126.76E–.04 37 4.3b,3.7s
MAN IX 02 22 37 14.3 11.09N 126.63E 10 5.0b,3.9L
NEIC IX 02 22 37 16.4–.28 10.97N 126.76E 35 4.5b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=12.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=153.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.6km az=77.0.
ISC IX 02 22 55 19.3–.90 10.86N–.04 126.69E–.06 41–7 4.6b,3.8s 237 1-152
IDC IX 02 22 55 13.6–.50 10.85N 126.56E 0 4.3,4.2 ¶601671988
MAN IX 02 22 55 14.7 11.03N 126.82E 68 5.4b,4.7s
BJI IX 02 22 55 14.1 10.41N 126.81E 37 4.9b,4.6b
MOS IX 02 22 55 15.7–1.1 10.87N 126.70E 27 4.8b,4.6b
ISCJB IX 02 22 55 16.9–1.2 10.87N–.02 126.70E–.03 33–8 4.5b,3.9s
NEIC IX 02 22 55 18.9–.18 10.84N 126.62E 35 4.7b,3.9s
DJA IX 02 22 55 20.1–.70 11N–4.0 127E–7.0 50–7 5.2b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 02 23 56 09.9–.47 10.18N–.05 126.64E–.08 42 4.1b,3.4s 51 2-146
IDC IX 02 23 56 03.8–.49 10.11N 126.40E 0 4.3,4.2 ¶601734432
MAN IX 02 23 56 04.5 10.26N 126.95E 40 5.2b,4.3s
ISCJB IX 02 23 56 07.9–.36 10.14N–.04 126.59E–.07 42 4.1b,3.5s
NEIC IX 02 23 56 09.2–.33 10.05N 126.31E 35 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=11.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=165.5.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.0km az=80.0.
ISC IX 03 00 24 14.9–1.1 11.07N–.07 126.8E–.10 35 4.0b 18 1-61
IDC IX 03 00 24 08.6–2.2 11.14N 127.57E 0 3.7,3.7 ¶601862827
ISCJB IX 03 00 24 13.7–.94 11.11N–.07 126.82E–.06 33 3.7b,3.7
MAN IX 03 00 24 17.1 11.09N 126.46E 11 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=188.7km s-min=21.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=9.1km az=22.1.
ISC IX 03 00 35 33.0–.43 11.06N–.04 126.90E–.06 35 4.2b,3.1s 67 2-148
IDC IX 03 00 35 27.6–.45 11.00N 127.03E 0 4.3,4.2 ¶601734434
ISCJB IX 03 00 35 30.9–.32 11.04N–.03 126.91E–.03 33 4.2b,3.1s
NEIC IX 03 00 35 32.7–.23 10.98N 127.07E 35 4.3b,3.1s
MAN IX 03 00 35 32.1 11.08N 126.75E 23 5.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=10.9km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.5km az=13.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=80.0.
ISC IX 03 02 14 42.7–.41 10.32N–.02 126.51E–.03 32–2 5.0b,4.8s 786 1-172
MAN IX 03 02 14 35.3 10.43N 126.90E 7 5.8b,5.3s ¶601671995
IDC IX 03 02 14 37.9–.28 10.30N 126.30E 0 4.9,4.8
BJI IX 03 02 14 38.7 9.97N 126.58E 39 5.2b,5.1s
ISCJB IX 03 02 14 41.9–.14 10.40N–.01 126.51E–.02 39 5.0b,4.7s
MOS IX 03 02 14 43.8–1.1 10.33N 126.28E 35 5.4b,4.7s
NEIC IX 03 02 14 43.3–.15 10.34N 126.39E 35 5.1b,4.7s
GCMT IX 03 02 14 43.3–.20 10.35N–.01 126.63E–.01 16–0 5.3W,4.7s
DJA IX 03 02 14 46.9–.30 10N–2.0 127E–2.0 75–3 6.0,5.6b
KLM IX 03 02 14 51.0 10.27N 126.66E 127 5.3b,5.6b
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=7.8km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=1.5.
MOS Error ellipse: s-maj=8.7km s-min=4.2km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=79.0. Felt [I PIVS] at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c111; s122,c212;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.05±.01; $M_{\phi\phi}$-0.74±.02; $M_{r\theta}$-0.07±.04;
$M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.69±.05; Best double couple: NP1:ϕ_s355.00000°,δ66.00000°,λ90.00000°.
NP2:ϕ_s174.00000°,δ24.00000°,λ90.00000°. Principal axes: T 1.0630,Plg69.0000°
,Azm265.0000°; N -0.0470,Plg0.0000°,Azm174.0000°; P -1.0160,Plg21.0000°,Azm84.0000°
M_o1.04000×10^{17}
ISC IX 03 02 29 01.2–2.6 11.22N–.04 126.71E–.07 4–16 4.1b 63 1-154
IDC IX 03 02 29 00.5–.56 11.15N 126.82E 0 4.3,4.2 ¶601739608
MAN IX 03 02 29 05.3 11.24N 126.66E 32 4.9b,3.8L
NEIC IX 03 02 29 05.2–3.1 11.13N 126.78E 32–22 4.4b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=11.4km az=76.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=6.0km az=76.0.
ISC IX 03 03 11 31.2–.28 10.32N–.03 126.62E–.05 39–3 4.7b,4.4s 388 1-168
BJI IX 03 03 11 24.7 9.82N 126.71E 35 5.0b,4.8b ¶601671997
IDC IX 03 03 11 25.4–.33 10.29N 126.32E 0 4.7,4.7b
DJA IX 03 03 11 25.9–.90 11N–2.0 127E–3.0 29–7 5.9,5.7b
MAN IX 03 03 11 26.1 10.41N 126.91E 47 5.5b,4.8s
ISCJB IX 03 03 11 30.1–.50 10.36N–.02 126.54E–.03 43–4 4.7b,4.4s
MOS IX 03 03 11 30.1–1.3 10.33N 126.34E 42 5.0b,4.4s
NEIC IX 03 03 11 31.2–.22 10.37N 126.42E 35 4.9b,4.4s
GCMT IX 03 03 11 31.2–.20 10.31N–.02 126.65E–.02 17–0 5.1W,4.4s
KLM IX 03 03 11 32.0 10.35N 126.45E 49 4.8b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=8.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=172.7.
MOS Error ellipse: s-maj=12.1km s-min=5.2km az=123.2.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=81.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c54; s107,c159;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.17±.20 $M_{\theta\theta}$-0.45±.10; $M_{\phi\phi}$-3.72±.14; $M_{r\theta}$-0.21±.29;
$M_{\theta\phi}$0.62±.06; $M_{\phi r}$3.24±.30; Best double couple: NP1:ϕ_s354.00000°,δ65.00000°,λ93.00000°.
NP2:ϕ_s166.00000°,δ26.00000°,λ83.00000°. Principal axes: T 5.3300,Plg70.0000°
,Azm270.0000°; N -0.3530,Plg3.0000°,Azm172.0000°; P -4.9760,Plg19.0000°,Azm81.0000°
M_o5.15300×10^{16}

ISC IX 03 03 39 31.4–2.1 10.33N–.04 126.70E–.07 2–13 4.2b 69 1-146
MAN IX 03 03 39 29.1 10.32N 126.93E 8 5.0b,3.9L **¶601739609**
IDC IX 03 03 39 32.1–.59 10.38N 126.37E 0 4.2,4.2b
NEIC IX 03 03 39 37.3–.34 10.34N 126.39E 35 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=12.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.4km az=77.0.
ISC IX 03 03 58 33.0–.74 11.26N–.07 126.65E–.08 37 3.9b 23 1-85
IDC IX 03 03 58 27.6–.79 11.17N 126.66E 0 4.1,4.0 **¶601862832**
ISCJB IX 03 03 58 31.0–.57 11.19N–.07 126.67E–.06 37 3.8b,4.0
MAN IX 03 03 58 34.1 11.31N 126.39E 15 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=46.3km s-min=14.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.7km az=27.2.
ISC IX 03 04 20 26.2–.44 11.35N–.04 126.56E–.07 40 4.4b,3.0s 78 1-117
IDC IX 03 04 20 19.7–.53 11.28N 126.60E 0 4.2,4.2 **¶601685323**
ISCJB IX 03 04 20 24.0–.31 11.33N–.03 126.66E–.04 40 4.4b,3.0s
NEIC IX 03 04 20 25.2–.26 11.26N 126.57E 35 4.7b,3.0s
MAN IX 03 04 20 26.4 11.48N 126.40E 15 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=11.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=8.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=79.0.
ISC IX 03 04 53 29.6–.73 11.31N–.06 126.53E–.09 40 4.1b 23 1-117
IDC IX 03 04 53 23.5–.70 11.24N 126.73E 0 4.1,4.0 **¶601862837**
ISCJB IX 03 04 53 27.7–.60 11.27N–.04 126.60E–.05 40 3.9b,4.0
MAN IX 03 04 53 30.8 11.28N 126.36E 23 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=15.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.2km az=5.2.
ISC IX 03 06 19 18.0–.70 11.18N–.05 126.44E–.08 49 4.2b 43 1-61
IDC IX 03 06 19 11.0–1.1 11.05N 126.45E 0 4.1,4.0b **¶601734436**
ISCJB IX 03 06 19 15.4–.43 11.14N–.04 126.58E–.05 49 4.3b,2.9s
NEIC IX 03 06 19 16.8–.35 10.99N 126.23E 35 4.6b,2.9s
MAN IX 03 06 19 17.9 10.92N 126.12E 1 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=63.9km s-min=14.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=164.9.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=68.0.
ISC IX 03 07 11 47.8–1.2 10.35N–.05 126.50E–.09 10 3.5b 18 1-56
MAN IX 03 07 11 43.5 10.42N 126.86E 12 4.9b,3.8L **¶601862845**
ISCJB IX 03 07 11 45.4–.97 10.42N–.05 126.57E–.07 10 3.4b,3.8L
IDC IX 03 07 11 46.0–3.6 10.35N 126.16E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.6km az=174.7.
IDC Error ellipse: s-maj=316.7km s-min=25.2km az=66.0.
ISC IX 03 07 15 35.8–1.0 10.30N–.06 126.51E–.10 42 3.6b 17 1-84
IDC IX 03 07 15 29.9–1.5 10.09N 126.21E 0 3.7,3.6 **¶601862846**
ISCJB IX 03 07 15 33.5–.80 10.27N–.06 126.66E–.07 42 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IX 03 07 43 30.6–1.0 10.8N–.20 126.7E–.10 35 3.9b 10 1-61
IDC IX 03 07 43 24.3–1.7 11.38N 127.96E 0 4.0,3.9 **¶601862848**
ISCJB IX 03 07 43 29.0–.95 10.8N–.10 126.7E–.10 33 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 03 09 06 22.1–1.3 10.49N–.07 126.6E–.10 44 3.9b 14 1-84
IDC IX 03 09 06 14.7–5.3 10.24N 126.64E 0 3.9,3.8 **¶601862852**
ISCJB IX 03 09 06 19.3–1.1 10.39N–.09 126.72E–.09 44 3.9b,3.8
MAN IX 03 09 06 22.4 10.19N 126.14E 5 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=270.3km s-min=113.7km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=12.2km az=151.4.
ISC IX 03 09 21 39.5–1.8 10.46N–.04 126.77E–.06 33–12 4.6b 181 1-146
BJI IX 03 09 21 34.5 10.14N 127.01E 30 4.9b,4.8b **¶601672863**
IDC IX 03 09 21 34.2–.45 10.42N 126.80E 0 4.5,4.4
ISCJB IX 03 09 21 37.4–.83 10.44N–.03 126.88E–.05 33–6 4.5b,4.4
NEIC IX 03 09 21 37.1–1.2 10.38N 126.79E 21–8 4.7b,4.4
MOS IX 03 09 21 38.0–1.0 10.36N 126.62E 35 5.0b,4.4
MAN IX 03 09 21 38.7 10.50N 126.64E 12 5.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=10.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=179.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.3km az=89.0.
MOS Error ellipse: s-maj=17.1km s-min=6.3km az=118.5.
MAN IX 03 09 36 35.4 11.04N 126.50E 11 4.3b,3.1L
¶604684243
ISC IX 03 10 02 54.3–1.0 10.15N–.03 126.50E–.05 4–6 4.5b 117 1-155
IDC IX 03 10 02 53.6–.40 10.07N 126.41E 0 4.4,4.4b **¶601672864**
MAN IX 03 10 02 54.8 10.02N 126.82E 136 5.1b,4.1s
NEIC IX 03 10 02 58.1–1.5 10.08N 126.45E 29–10 4.6b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=9.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.5km az=82.0.
ISC IX 03 10 55 51.6–.83 10.6N–.10 126.9E–.10 20 4.0b 12 2-86
IDC IX 03 10 55 48.5–.80 10.56N 126.76E 0 3.9,3.8 **¶601862862**
ISCJB IX 03 10 55 49.7–.71 10.60N–.09 126.99E–.09 20 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 03 11 26 28.6–2.4 11.31N–.05 126.58E–.09 28–17 4.0b 49 1-91
IDC IX 03 11 26 24.0–.68 11.18N 126.40E 0 4.1,4.0b **¶601839152**
MAN IX 03 11 26 29.2 11.40N 126.55E 26 4.6b,3.5L
NEIC IX 03 11 26 29.4–.36 11.24N 126.47E 35 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=13.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.3km az=79.0.
ISC IX 03 14 02 03.0–1.1 10.48N–.06 126.7E–.10 35 3.6b 18 1-86
IDC IX 03 14 01 56.9–1.7 10.74N 127.52E 0 3.9,3.7 **¶601862870**
MAN IX 03 14 02 00.6 10.37N 126.58E 95 4.5b,3.3L
ISCJB IX 03 14 02 01.6–.76 10.48N–.06 126.70E–.07 35 3.7b,3.3L
ISC Event type ke.
ISCJB Event type ke.
MAN IX 03 15 04 39.5 10.63N 126.27E 22 4.1b,2.9L
¶604684250
MAN IX 03 15 27 49.4 10.58N 126.18E 5 4.3b,3.1L
¶604684251
ISC IX 03 15 56 59.3–.49 10.94N–.05 126.71E–.07 37 4.1b 69 1-147
IDC IX 03 15 56 54.1–.52 10.92N 126.68E 0 4.1,4.0 **¶601710329**
MAN IX 03 15 56 55.6 11.03N 126.77E 50 5.1b,4.2s
ISCJB IX 03 15 56 57.3–.33 10.93N–.03 126.72E–.04 37 4.1b,4.2s
NEIC IX 03 15 56 57.5–2.6 10.89N 126.69E 23–18 4.7b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=11.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.7km az=28.8.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=73.0.
ISC IX 03 15 57 53.6–.57 10.88N–.09 126.56E–.09 37 4.1b 49 1-147
MAN IX 03 15 57 47.8 10.67N 126.57E 6 4.6b,3.5L **¶601710332**
IDC IX 03 15 57 48.3–.57 10.90N 126.61E 0 4.1,4.0
ISCJB IX 03 15 57 51.6–.40 10.87N–.06 126.59E–.06 37 4.1b,4.0
NEIC IX 03 15 57 53.4–.31 10.87N 126.53E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=13.0km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=42.4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=6.4km az=74.0.
ISC IX 03 16 00 58.0–1.2 10.90N–.03 126.50E–.05 7–7 4.5b,3.3s 121 1-165
IDC IX 03 16 00 57.3–.42 10.92N 126.56E 0 4.3,4.3 **¶601673029**
MAN IX 03 16 00 58.2 11.04N 126.83E 45 5.0b,4.0L
NEIC IX 03 16 00 59.5–3.0 10.92N 126.59E 16–19 4.7b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=9.8km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=81.0.

ISC IX 03 16 33 20.4–3.6 11.01N–.04 126.68E–.07 14–22 4.1b,3.0s 77 1-147
IDC IX 03 16 33 17.9–.56 11.00N 126.89E 0 4.1,4.0b **¶601710333**
ISCJB IX 03 16 33 20.0–1.7 10.99N–.03 126.72E–.04 26–12 4.0b,3.1s
MAN IX 03 16 33 21.1 11.02N 126.69E 32 4.9b,3.8L
NEIC IX 03 16 33 22.7–.30 11.03N 127.04E 35 4.3b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=11.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=172.7.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.5km az=74.0.
ISC IX 03 17 52 58.2–3.0 10.71N–.04 126.88E–.08 25–21 4.2b 47 2-146
IDC IX 03 17 52 54.5–.53 10.54N 126.79E 0 4.2,4.1b **¶601777909**
ISCJB IX 03 17 52 57.4–1.8 10.68N–.04 126.92E–.04 31–13 4.1b,2.6s
MAN IX 03 17 52 57.7 10.78N 126.90E 33 5.0b,4.0s
NEIC IX 03 17 52 59.5–6.8 10.53N 126.81E 33–48 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=11.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.0km az=168.7.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=8.0km az=69.0.
ISC IX 03 18 00 53.1–.74 10.93N–.05 126.68E–.09 44 3.9b 30 1-147
MAN IX 03 18 00 45.8 11.01N 127.08E 33 4.9b,3.8L **¶601839147**
IDC IX 03 18 00 48.0–.86 10.53N 126.17E 0 3.9,3.9
ISCJB IX 03 18 00 51.5–.75 10.95N–.04 126.66E–.07 44 3.9b,3.9
NEIC IX 03 18 00 53.1–.51 10.55N 126.26E 35 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=57.6km s-min=15.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=168.3.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=9.6km az=71.0.
ISC IX 03 18 02 28.8–.69 10.85N–.05 126.64E–.09 37 4.0b 29 1-147
IDC IX 03 18 02 23.8–.68 10.66N 126.50E 0 3.9,3.8 **¶601839148**
MAN IX 03 18 02 24.7 10.93N 126.79E 30 4.8b,3.7L
ISCJB IX 03 18 02 26.3–.62 10.85N–.04 126.72E–.05 37 3.8b,3.7L
NEIC IX 03 18 02 28.9–.51 10.64N 126.39E 35 4.5b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=14.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.6km az=161.7.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=9.9km az=78.0.
ISC IX 03 18 20 53.1–2.0 10.66N–.04 126.67E–.07 2–12 4.2b 45 1-146
IDC IX 03 18 20 52.8–.69 10.58N 126.55E 0 4.1,4.1 **¶601777910**
MAN IX 03 18 20 56.5 10.86N 126.74E 26 4.9b,3.8L
NEIC IX 03 18 20 58.1–.41 10.57N 126.55E 35 4.4b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=15.5km az=74.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.9km az=80.0.
ISC IX 03 19 26 13.0–2.4 10.81N–.05 126.71E–.08 3–13 4.2b 29 1-86
IDC IX 03 19 26 11.9–1.1 10.75N 127.18E 0 4.1,4.1 **¶601777911**
MAN IX 03 19 26 15.2 10.87N 126.88E 32 4.6b,3.5L
NEIC IX 03 19 26 17.3–.81 10.69N 127.01E 35 4.5b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=88.0km s-min=16.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=50.2km s-min=9.0km az=73.0.
ISC IX 03 21 10 57.9–1.9 11.24N–.05 126.7E–.10 20–15 3.7b 27 1-85
IDC IX 03 21 10 54.5–.88 11.20N 126.86E 0 4.0,3.9 **¶601862879**
ISCJB IX 03 21 10 56.7–2.3 11.24N–.04 126.78E–.05 27–17 3.8b,3.9
MAN IX 03 21 10 56.1 11.28N 126.87E 47 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=15.1km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=7.1km az=171.1.
ISC IX 03 21 28 35.5–.89 10.7N–.10 126.9E–.20 20 3.8b 11 3-86
IDC IX 03 21 28 32.4–.82 10.53N 126.50E 0 4.4,4.2s **¶601862880**
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=16.4km az=71.0.
ISC IX 03 21 30 10.4–.98 10.76N–.09 126.77E–.10 35 4.0b 18 2-92
IDC IX 03 21 30 04.7–1.5 10.83N 127.26E 0 4.0,4.0b **¶601862881**
MAN IX 03 21 30 08.0 10.82N 126.74E 17 4.8b,3.7L
ISCJB IX 03 21 30 08.2–.71 10.73N–.07 126.83E–.06 33 4.0b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 03 22 18 41.1–.89 10.35N–.04 126.59E–.06 45–8 4.5b,4.0s 171 1-146
IDC IX 03 22 18 34.7–.45 10.28N 126.33E 0 4.5,4.4 **¶601673033**
MAN IX 03 22 18 37.4 10.31N 126.59E 11 5.1b,4.1L
BJI IX 03 22 18 38.9 10.40N 126.40E 35 4.9b,4.6b
NEIC IX 03 22 18 39.9–.29 10.37N 126.52E 35 4.7b,4.6b
ISCJB IX 03 22 18 40.5–.67 10.33N–.03 126.49E–.05 54–5 4.4b,4.0s
MOS IX 03 22 18 41.7–.91 10.23N 126.35E 39 4.8b,4.0s
DJA IX 03 22 18 42.1–4.1 11N–29 127E–21 97–20 5.5b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 04 00 21 15.8–1.5 10.6N–.40 128E–1.0 24 3.7b 8 31-146
IDC IX 04 00 21 12.4–1.5 10.59N 127.36E 0 3.9,3.8b **¶601862890**
ISC Event type ke.
IDC Error ellipse: s-maj=156.4km s-min=18.9km az=68.0.
ISC IX 04 00 50 52.1–.41 10.46N–.03 126.91E–.03 28–2 5.3b,4.9s 978 2-170
IDC IX 04 00 50 47.6–.28 10.40N 126.82E 0 5.1,5.1b **¶601673039**
MAN IX 04 00 50 47.6 10.67N 127.10E 33 5.9b,5.4s
BJI IX 04 00 50 48.2 10.09N 127.09E 38 5.2b,5.0b
DJA IX 04 00 50 48.2–1.7 11N–15 127E–8.0 10 5.8,5.6b
ISCJB IX 04 00 50 49.3–.64 10.44N–.02 126.91E–.02 20–4 5.2b,4.8s
GCMT IX 04 00 50 51.0–.10 10.45N–.01 126.91E–.01 12 5.3W,4.8s
MOS IX 04 00 50 51.2–.99 10.43N 126.86E 33 5.5b,4.7s
NEIC IX 04 00 50 53.0–.10 10.42N 126.89E 35 5.4b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=7.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=161.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c133; s124,c227;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13±.01 $M_{\theta\theta}$0.27±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$0.27±.04; Best double couple: NP1:ϕ_s152.00000°,δ54.00000°,λ-94.00000°. NP2:ϕ_s338.00000°,δ37.00000°,λ-85.00000°. Principal axes: T 1.0780,Plg9.0000° ,Azm245.0000°; N 0.1110,Plg3.0000°,Azm154.0000°; P -1.1840,Plg81.0000°,Azm45.0000° $M_0$1.13100×10^{17}
MOS Error ellipse: s-maj=7.6km s-min=3.7km az=117.8.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=80.0.
ISC IX 04 00 51 42.6–.34 10.36N–.06 126.8E–.10 20 5.0b 130 3-149
IDC IX 04 00 51 39.7–.42 10.40N 126.78E 0 5.1b,5.1 **¶606683946**
ISCJB IX 04 00 51 40.7–.25 10.33N–.04 126.83E–.08 20 4.9b,4.3s
NEIC IX 04 00 51 44.6–.20 10.36N 126.82E 35 4.9b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=10.7km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.4km az=174.7.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.6km az=86.0.
ISC IX 04 00 53 51.2–.81 10.5N–.10 126.9E–.10 20 4.7b 38 3-146
IDC IX 04 00 53 48.6–1.3 10.54N 126.80E 0 4.6,4.6 **¶601751119**
ISCJB IX 04 00 53 49.1–.71 10.44N–.10 126.9E–.10 20 4.6b,4.6
NEIC IX 04 00 53 52.2–3.4 10.49N 126.85E 27–25 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=20.9km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=8.8km az=44.4.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.1km az=132.0.
IDC IX 04 01 18 59.1–2.6 10.51N 126.62E 0 3.9,3.8
¶601862898
IDC Error ellipse: s-maj=239.9km s-min=21.0km az=67.0.
IDC IX 04 01 49 58.6–2.2 10.70N 126.39E 0 3.8,3.7
¶601862900
IDC Error ellipse: s-maj=224.6km s-min=17.9km az=65.0.
ISC IX 04 02 34 51.1–.55 10.36N–.08 126.84E–.07 20 4.3b 53 2-146
IDC IX 04 02 34 48.2–.64 10.38N 126.91E 0 4.1,4.1 **¶601836698**
ISCJB IX 04 02 34 49.1–.36 10.34N–.05 126.95E–.05 20 4.2b,4.1
NEIC IX 04 02 34 53.1–.31 10.27N 126.79E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=14.2km az=74.0.

ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.1km az=81.0.
MAN IX 04 03 03 12.6 10.68N 126.44E 18 4.4b,3.2L
¶604684277
ISC IX 04 03 13 49.0–1.2 10.37N–.06 126.77E–.09 20 4.2b 17 2-86
IDC IX 04 03 13 44.3–5.1 9.91N 126.64E 0 4.1,4.1b **¶601862902**
MAN IX 04 03 13 45.2 10.46N 127.00E 16 4.5b,3.4L
ISCJB IX 04 03 13 47.5–.94 10.40N–.06 126.84E–.07 20 4.1b,2.4s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 04 55 30.1–.72 10.6N–.10 126.8E–.10 20 4.2b 31 2-90
IDC IX 04 04 55 26.8–1.5 10.55N 126.77E 0 3.9,3.9 **¶601842059**
NEIC IX 04 04 55 27.2–.40 10.78N 127.47E 10 4.6b,3.9
ISCJB IX 04 04 55 28.1–.47 10.50N–.08 126.75E–.10 20 4.2b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 04 05 48 14.2–2.2 10.49N–.04 126.76E–.07 16–13 4.4b,3.1s 83 2-146
IDC IX 04 05 48 11.7–.48 10.40N 126.68E 0 4.3,4.2 **¶601839154**
MAN IX 04 05 48 12.9 10.51N 126.90E 26 4.8b,3.7L
ISCJB IX 04 05 48 13.5–2.0 10.47N–.03 126.81E–.04 24–14 4.2b,3.0s
NEIC IX 04 05 48 15.9–2.7 10.40N 126.80E 29–19 4.5b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=10.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=174.4.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=80.0.
ISC IX 04 06 00 55.2–.66 10.66N–.09 126.8E–.10 35 4.0b,3.1s 31 2-146
IDC IX 04 06 00 50.5–1.2 10.60N 126.76E 0 4.0,3.9b **¶601839155**
ISCJB IX 04 06 00 53.9–.45 10.51N–.06 126.73E–.08 35 4.0b,3.0s
NEIC IX 04 06 00 55.7–.32 10.54N 126.84E 35 4.1b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=109.7km s-min=15.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.6km az=147.6.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.4km az=74.0.
ISC IX 04 06 15 40.7–1.7 11.35N–.05 126.14E–.07 18–7 3.8b 28 1-85
IDC IX 04 06 15 38.6–1.1 11.18N 125.85E 0 3.9,3.8b **¶601862907**
MAN IX 04 06 15 41.6 11.50N 126.05E 4 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=16.2km az=65.0.
ISC IX 04 06 37 56.8–.77 10.42N–.06 126.91E–.09 42–6 4.2b 62 3-146
IDC IX 04 06 37 50.7–.52 10.40N 126.86E 0 4.2,4.1 **¶601839158**
ISCJB IX 04 06 37 54.0–1.7 10.42N–.05 126.98E–.08 34–15 4.0b,4.1
NEIC IX 04 06 37 55.9–.27 10.45N 127.03E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=12.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.3km az=158.8.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.0km az=78.0.
ISC IX 04 06 43 00.9–.40 10.69N–.02 126.87E–.03 31–2 5.3b,4.7s 1144 2-171
ISCJB IX 04 06 42 56.4–.61 10.68N–.01 126.84E–.02 11–3 5.2b,4.7s **¶601833335**
BJI IX 04 06 42 56.9 10.44N 127.11E 35 5.2b,5.2b
IDC IX 04 06 42 56.0–.27 10.69N 126.79E 0 5.1,5.1
MAN IX 04 06 42 57.8 10.78N 126.88E 91 6.0b,5.5s
MOS IX 04 06 43 00.0–.96 10.68N 126.74E 33 5.6b,4.6s
NEIC IX 04 06 43 01.0–.71 10.67N 126.78E 33–5 5.3b,4.6s
DJA IX 04 06 43 01.3–.60 11N–2.0 127E–3.0 34–6 5.9,5.8b
GCMT IX 04 06 43 02.0–.10 10.70N–.01 126.88E–.01 12 5.3W,5.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c109; s126,c222;Duration: 1♀1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$0.02±.05; $M_{\theta\phi}$-0.43±.01; $M_{\phi r}$0.12±.04; Best double couple: NP1:ϕ_s150.00000°,δ47.00000°,λ-85.00000°. NP2:ϕ_s322.00000°,δ43.00000°,λ-96.00000°. Principal axes: T 1.0020,Plg2.0000° ,Azm236.0000°; N 0.0760,Plg4.0000°,Azm326.0000°; P -1.0790,Plg85.0000°,Azm115.0000° $M_0$1.04000×10^{17}
ISC IX 04 06 45 11.9–.33 10.68N–.05 126.70E–.06 44 4.8b 136 2-154
IDC IX 04 06 45 05.7–.41 10.67N 126.77E 0 4.9,4.8 **¶601839159**
MOS IX 04 06 45 09.0–1.1 10.66N 126.73E 33 5.2b,4.8
ISCJB IX 04 06 45 10.3–.24 10.68N–.03 126.75E–.04 44 4.8b,4.8
NEIC IX 04 06 45 10.3–1.2 10.67N 126.77E 30–8 5.0b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=10.1km az=78.0.
MOS Error ellipse: s-maj=12.7km s-min=7.4km az=116.8.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=168.7.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=84.0.
ISC IX 04 06 48 35.3–1.1 10.6N–.20 126.9E–.20 35 4.3b 10 3-92
IDC IX 04 06 48 29.6–1.5 10.78N 127.35E 0 4.2,4.2b **¶601862910**
ISCJB IX 04 06 48 33.1–1.0 10.6N–.10 127.0E–.20 33 4.2b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 06 54 59.3–.42 10.65N–.03 126.87E–.03 26–2 5.3b,4.5s 801 2-168
BJI IX 04 06 54 54.8 10.25N 127.04E 35 5.5b,5.2b **¶601673758**
IDC IX 04 06 54 54.6–.29 10.60N 126.75E 0 5.0,5.0
ISCJB IX 04 06 54 55.0–.69 10.66N–.02 126.84E–.02 10–4 5.2b,4.5s
MAN IX 04 06 54 57.9 10.75N 126.84E 30 5.2b,4.5s
MOS IX 04 06 54 58.2–1.2 10.61N 126.77E 31 5.5b,4.4s
NEIC IX 04 06 54 59.7–.85 10.63N 126.83E 32–6 5.3b,4.4s
GCMT IX 04 06 55 00.7–.20 10.71N–.02 126.90E–.01 12 5.2W,4.4s
DJA IX 04 06 55 02.8–.70 11N–3.0 127E–3.0 39–6 6.1,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c57; s121,c210;Duration: 1♀0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.90±.01 $M_{\theta\theta}$0.14±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$0.08±.06; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$-0.19±.05; Best double couple: NP1:ϕ_s341.00000°,δ52.00000°,λ-91.00000°. NP2:ϕ_s164.00000°,δ38.00000°,λ-88.00000°. Principal axes: T 0.8510,Plg7.0000° ,Azm72.0000°; N 0.0760,Plg1.0000°,Azm342.0000°; P -0.9270,Plg83.0000°,Azm242.0000° $M_0$0.88900×10^{17}
ISC IX 04 06 58 01.4–.27 10.52N–.02 126.76E–.03 28–1 5.5b,4.9s 1113 2-170
IDC IX 04 06 57 56.8–.27 10.52N 126.70E 0 5.1,5.1 **¶601673759**
ISCJB IX 04 06 57 58.5–.64 10.57N–.02 126.76E–.02 19–4 5.3b,4.8s
BJI IX 04 06 57 59.6 10.44N 126.89E 38 5.5b,5.3b
MAN IX 04 06 58 00.1 10.70N 126.77E 22 6.0b,5.6s
MOS IX 04 06 58 00.1–1.1 10.59N 126.66E 28 5.8b,4.7s
NEIC IX 04 06 58 02.4–.34 10.54N 126.70E 37–3 5.6b,4.9s
DJA IX 04 06 58 04.1–.50 11N–4.0 127E–3.0 50–5 6.1,5.9b
GCMT IX 04 06 58 04.4–.20 10.55N–.03 126.88E–.02 21–0 5.3W,5.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s106,c164;Duration: 1♀0
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.05 $M_{\theta\theta}$0.29±.03; $M_{\phi\phi}$0.81±.04; $M_{r\theta}$-0.12±.06; $M_{\theta\phi}$-0.17±.02; $M_{\phi r}$-0.00±.05; Best double couple: NP1:ϕ_s159.00000°,δ46.00000°,λ-97.00000°. NP2:ϕ_s349.00000°,δ44.00000°,λ-83.00000°. Principal axes: T 0.8640,Plg1.0000° ,Azm254.0000°; N 0.2530,Plg5.0000°,Azm164.0000°; P -1.1200,Plg85.0000°,Azm355.0000° $M_0$0.99200×10^{17}
ISC IX 04 07 05 31.3–.51 10.55N–.04 126.85E–.06 21–6 4.8b 182 2-168
IDC IX 04 07 05 27.8–.36 10.53N 126.83E 0 4.6,4.6 **¶601734441**
ISCJB IX 04 07 05 28.5–1.8 10.52N–.03 126.86E–.03 13–11 4.7b,4.6
MAN IX 04 07 05 30.1 10.60N 126.84E 22 5.4b,4.7s
NEIC IX 04 07 05 33.4–.13 10.51N 126.82E 35 4.8b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=8.7km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=25.4.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=84.0.
IDC IX 04 08 12 19.4–2.7 11.52N 127.17E 0 4.0,3.8
¶601862913
IDC Error ellipse: s-maj=236.9km s-min=29.0km az=67.0.

IDC IX 04 09 16 25.1–2.6 10.29N 126.47E 0 3.9,3.8
¶601862915
IDC Error ellipse: s-maj=230.9km s-min=19.9km az=67.0.
IDC IX 04 09 34 29.6–.83 10.50N 126.82E 0 3.8,3.7
¶606683947
IDC Error ellipse: s-maj=54.3km s-min=18.3km az=73.0.
ISC IX 04 09 39 56.8–2.2 10.55N–.04 126.93E–.06 9–14 4.7b 144 2-146
IDC IX 04 09 39 54.8–.48 10.47N 126.90E 0 4.4,4.4b **¶601674432**
ISCJB IX 04 09 39 55.6–1.5 10.53N–.03 126.92E–.03 13–9 4.6b,4.4b
MAN IX 04 09 39 56.7 10.64N 126.88E 20 5.3b,4.4s
MOS IX 04 09 39 57.4–.86 10.46N 126.82E 26 5.2b,4.4s
BJI IX 04 09 39 58.6 10.51N 126.92E 32 4.9b,4.8b
NEIC IX 04 09 40 00.1–.23 10.51N 126.97E 35 4.6b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=10.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=169.0.
MOS Error ellipse: s-maj=29.9km s-min=9.7km az=120.6.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.8km az=90.0.
ISC IX 04 09 58 09.8–.32 10.50N–.02 126.82E–.03 29–2 5.4b,5.0s 1142 2-173
MAN IX 04 09 58 04.0 10.55N 127.13E 101 5.8b,5.3s **¶601673794**
IDC IX 04 09 58 05.2–.28 10.46N 126.75E 0 5.2,5.1
BJI IX 04 09 58 05.3 10.19N 126.99E 33 5.4b,5.2b
ISCJB IX 04 09 58 08.0–.62 10.50N–.01 126.83E–.02 28–4 5.3b,4.9s
MOS IX 04 09 58 08.0–1.2 10.57N 126.71E 23 5.7b,4.7s
GCMT IX 04 09 58 09.0–.10 10.49N–.01 126.95E–.01 12 5.4W,4.7s
NEIC IX 04 09 58 11.0–.11 10.46N 126.77E 35 5.4b,5.0s
DJA IX 04 09 58 12.0–.40 10N–3.0 127E–3.0 41–4 6.0,5.7b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c113; s136,c258;Duration: 1♀2
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$-0.14±.01; $M_{\phi r}$-0.52±.04; Best double couple: NP1:ϕ_s2.00000°,δ56.00000°,λ-80.00000°. NP2:ϕ_s164.00000°,δ35.00000°,λ-105.00000°. Principal axes: T 1.2900,Plg10.0000° ,Azm84.0000°; N 0.2240,Plg8.0000°,Azm176.0000°; P -1.5200,Plg76.0000°,Azm304.0000° $M_0$1.40500×10^{17}
NEIC Event type se.
ISC IX 04 14 43 17.9–.32 10.52N–.03 126.99E–.04 21–3 5.2b,3.9s 631 2-170
MAN IX 04 14 43 12.8 10.70N 127.29E 83 5.8b,5.3s **¶601674445**
BJI IX 04 14 43 13.4 10.26N 127.04E 17 5.1b,5.1b
ISCJB IX 04 14 43 14.7–.12 10.52N–.01 126.95E–.02 10 5.1b,4.1s
IDC IX 04 14 43 14.8–.29 10.47N 126.90E 0 5.0,5.0b
MOS IX 04 14 43 16.7–.98 10.49N 126.83E 22 5.5b,5.0b
NEIC IX 04 14 43 18.0–.98 10.50N 126.90E 22–7 5.3b,5.0b
GCMT IX 04 14 43 18.0–.40 10.52N–.04 126.90E–.02 14–1 4.8W,5.0b
DJA IX 04 14 43 20.0–.80 11N–3.0 127E–3.0 32–7 5.4,5.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s69,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14±.18 $M_{\theta\theta}$0.23±.09; $M_{\phi\phi}$1.91±.12; $M_{r\theta}$-0.20±.25; $M_{\theta\phi}$-0.25±.06; $M_{\phi r}$0.41±.19; Best double couple: NP1:ϕ_s168.00000°,δ51.00000°,λ-94.00000°. NP2:ϕ_s355.00000°,δ39.00000°,λ-85.00000°. Principal axes: T 1.9910,Plg6.0000° ,Azm261.0000°; N 0.2000,Plg3.0000°,Azm171.0000°; P -2.1940,Plg83.0000°,Azm53.0000° $M_0$2.09300×10^{16}
ISC IX 04 14 50 27.6–.70 10.50N–.08 126.92E–.10 20 4.2b 32 3-146
ISCJB IX 04 14 50 25.8–.47 10.40N–.06 126.92E–.07 20 4.2b **¶601734444**
IDC IX 04 14 50 25.1–.96 10.36N 126.76E 0 4.2,4.1
NEIC IX 04 14 50 29.9–.42 10.42N 126.95E 35 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=143.3.
IDC Error ellipse: s-maj=55.9km s-min=14.9km az=68.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.4km az=70.0.
ISC IX 04 15 08 57.4–.49 10.83N–.05 126.84E–.07 35 4.4b 61 2-146
IDC IX 04 15 08 51.9–.53 10.75N 126.78E 0 4.2,4.1 **¶601685376**
ISCJB IX 04 15 08 55.2–.33 10.77N–.04 126.80E–.04 33 4.7s,4.2b
NEIC IX 04 15 08 57.2–.35 10.84N 126.97E 35 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=11.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=140.9.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.5km az=83.0.
ISC IX 04 15 11 14.2–.20 10.66N–.03 126.80E–.04 39–2 5.5b,4.8s 968 2-170
MAN IX 04 15 11 07.9 10.80N 127.09E 28 5.9b,5.4s **¶601734447**
IDC IX 04 15 11 08.3–.27 10.61N 126.72E 0 5.2,5.2b
BJI IX 04 15 11 09.8 10.33N 126.91E 40 5.4b,5.2b
ISCJB IX 04 15 11 10.1–.57 10.65N–.02 126.78E–.02 22–4 5.3b,4.7s
MOS IX 04 15 11 11.9–.96 10.61N 126.70E 33 5.8b,4.5s
NEIC IX 04 15 11 13.3–.10 10.61N 126.71E 35 5.5b,4.8s
GCMT IX 04 15 11 13.4–.10 10.68N–.01 126.94E–.01 12 5.2W,4.8s
DJA IX 04 15 11 17.7–.50 10N–4.0 127E–4.0 59–6 5.7,5.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Davao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c95; s125,c217;Duration: 1♀0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.58±.01; $M_{r\theta}$0.09±.04; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-0.25±.03; Best double couple: NP1:ϕ_s331.00000°,δ54.00000°,λ-86.00000°. NP2:ϕ_s144.00000°,δ37.00000°,λ-96.00000°. Principal axes: T 0.8390,Plg9.0000° ,Azm58.0000°; N 0.0650,Plg3.0000°,Azm148.0000°; P -0.9050,Plg81.0000°,Azm259.0000° $M_0$0.87200×10^{17}
ISC IX 04 15 12 13.4–.70 10.5N–.10 126.7E–.30 44 4.7b 19 31-146
IDC IX 04 15 12 07.1–.63 10.53N 126.74E 0 4.7,4.7b **¶601674447**
ISCJB IX 04 15 12 11.4–.64 10.5N–.10 126.8E–.20 44 4.7b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 15 16 02.4–.89 10.5N–.20 126.7E–.30 44 4.2b 11 31-86
IDC IX 04 15 15 56.3–.88 10.53N 126.71E 0 4.2,4.1 **¶601862937**
ISCJB IX 04 15 16 00.3–.78 10.5N–.10 126.8E–.30 44 4.2b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 17 14 19.6–.80 10.6N–.10 126.9E–.20 20 4.4b 26 17-86
IDC IX 04 17 14 15.9–2.0 10.70N 127.02E 0 3.9,3.8 **¶601839161**
ISCJB IX 04 17 14 17.6–.53 10.59N–.08 126.9E–.10 20 4.4b,3.8
NEIC IX 04 17 14 21.9–.42 10.56N 126.80E 35 4.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=175.7km s-min=19.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=8.3km az=154.9.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=6.8km az=65.0.
ISC IX 04 19 32 35.2–.49 11.28N–.05 126.53E–.07 40 4.6b 66 2-91
IDC IX 04 19 32 29.1–.67 11.13N 126.37E 0 4.2,4.1 **¶601839162**
MAN IX 04 19 32 31.4 11.49N 126.37E 8 4.8b,3.7L
ISCJB IX 04 19 32 32.8–.32 11.16N–.04 126.57E–.04 40 4.6b,3.7L
NEIC IX 04 19 32 34.5–.34 11.12N 126.45E 35 4.9b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=12.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=147.6.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.0km az=77.0.
ISC IX 04 21 38 00.4–.88 10.90N–.06 126.74E–.08 35 3.9b 28 1-147
IDC IX 04 21 37 55.4–1.1 10.90N 127.13E 0 4.0,3.9 **¶601862948**
ISCJB IX 04 21 37 57.9–.71 10.90N–.04 126.75E–.05 33 3.8b,3.9
MAN IX 04 21 37 57.1 10.93N 126.76E 57 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=65.3km s-min=16.1km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=143.6.
ISC IX 04 21 44 24.8–.64 10.81N–.05 126.76E–.07 35 4.2b 45 2-121
MAN IX 04 21 44 18.6 10.88N 126.78E 1 4.8b,3.8L **¶601751120**
IDC IX 04 21 44 20.3–.93 10.59N 126.39E 0 4.1,4.0
ISCJB IX 04 21 44 22.7–.42 10.77N–.04 126.81E–.05 33 4.0b,4.0
NEIC IX 04 21 44 23.3–3.4 10.77N 126.98E 25–24 4.3b,4.0
ISC Event type se.

IDC Error ellipse: s-maj=56.2km s-min=14.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=142.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.1km az=70.0.
ISC IX 04 21 46 27.3–.64 10.6N–.10 126.5E–.10 51 3.9b 40 2-146
IDC IX 04 21 46 21.2–.79 10.36N 125.81E 0 4.1,4.0 **¶601751121**
ISCJB IX 04 21 46 25.3–.46 10.53N–.07 126.54E–.08 51 3.9b,4.0
NEIC IX 04 21 46 26.2–.42 10.42N 126.07E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=14.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.8km az=142.3.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.6km az=70.0.
IDC IX 04 22 26 44.1–1.7 10.54N 126.57E 0 4.0,3.9
¶601862950
IDC Error ellipse: s-maj=154.3km s-min=28.9km az=68.0.
ISC IX 04 23 12 40.0–.57 10.61N–.04 126.86E–.08 39–7 4.4b 78 2-154
IDC IX 04 23 12 34.1–.48 10.52N 126.80E 0 4.4,4.3b **¶601675403**
ISCJB IX 04 23 12 36.9–1.8 10.62N–.03 126.85E–.04 29–12 4.3b,4.3b
MAN IX 04 23 12 37.2 10.68N 126.88E 46 5.6b,5.0s
NEIC IX 04 23 12 39.4–.27 10.53N 126.76E 35 4.5b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=11.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=169.2.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=72.0.
ISC IX 04 23 30 20.0–1.3 11.5N–.30 127.1E–.70 35 3.9b 14 2-91
IDC IX 04 23 30 14.7–1.3 11.48N 127.20E 0 4.0,3.9b **¶601734446**
NEIC IX 04 23 30 19.8–.88 11.47N 127.18E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=107.0km s-min=15.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=70.5km s-min=9.1km az=71.0.
ISC IX 05 00 23 39.3–.57 10.92N–.06 126.70E–.08 37 4.1b 49 1-152
IDC IX 05 00 23 33.7–.60 10.84N 126.63E 0 4.1,4.0 **¶601734449**
ISCJB IX 05 00 23 37.3–.47 10.92N–.05 126.73E–.04 37 4.0b,4.0
NEIC IX 05 00 23 38.8–.31 10.83N 126.70E 35 4.2b,4.0
MAN IX 05 00 23 40.1 11.06N 126.57E 42 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=13.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.5km az=158.7.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=6.7km az=72.0.
ISC IX 05 00 35 29.3–.73 11.61N–.03 126.76E–.04 26–4 5.1b,4.5s 765 1-174
IDC IX 05 00 35 25.2–.27 11.60N 126.68E 0 5.1,5.1b **¶601675138**
ISCJB IX 05 00 35 26.8–.76 11.65N–.02 126.75E–.02 19–5 5.1b,4.5s
BJI IX 05 00 35 26.4 11.40N 127.02E 36 5.3b,5.0b
MOS IX 05 00 35 27.4–.96 11.61N 126.70E 25 5.5b,5.0b
MAN IX 05 00 35 28.6 11.64N 126.49E 4 5.8b,5.3s
GCMT IX 05 00 35 29.5–.10 11.72N–.01 126.74E–.01 12 5.3W,5.3s
NEIC IX 05 00 35 30.4–.46 11.60N 126.71E 35–4 5.0b,5.3s
DJA IX 05 00 35 32.6–.40 12N–3.0 127E–3.0 53–4 6.2,5.8
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c126; s128,c233;Duration: 1$\dot{s}$1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.02 $M_{\theta\theta}$0.09±.01; $M_{\phi\phi}$1.05±.01; $M_{r\theta}$0.14±.05; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$-0.00±.04; Best double couple: NP1:ϕ_s328.00000°,δ47.00000° ,λ-100.00000°. NP2:ϕ_s163.00000°,δ44.00000°,λ-79.00000°. Principal axes:
T 1.3110,Plg1.0000°,Azm65.0000°; N -0.1500,Plg7.0000°,Azm335.0000°
; P -1.1690,Plg82.0000°,Azm166.0000° M_o1.24000×10^{17}
NEIC Event type se.
ISC IX 05 07 26 22.3–1.3 10.46N–.08 126.6E–.10 44 3.5b 12 2-56
IDC IX 05 07 26 16.5–3.3 10.47N 126.20E 0 3.8s,3.7 **¶601862971**
ISCJB IX 05 07 26 19.8–1.1 10.5N–.10 126.7E–.10 44 3.7s,3.5b
MAN IX 05 07 26 23.8 10.83N 126.38E 112 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=289.1km s-min=21.8km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=9.7km az=43.3.
MAN IX 05 08 10 22.6 10.36N 126.86E 99 4.5b,3.3L
¶604684288
ISC IX 05 08 34 15.9–1.0 10.3N–.10 126.88E–.09 20 4.0b 13 2-86
IDC IX 05 08 34 12.9–.96 10.29N 126.99E 0 4.0,3.9 **¶601862975**
ISCJB IX 05 08 34 14.0–.75 10.32N–.09 127.05E–.07 20 3.9b,3.9
MAN IX 05 08 34 14.4 10.48N 127.12E 46 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=18.2km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=10.3km az=176.9.
ISC IX 05 10 58 21.1–.49 11.66N–.05 126.67E–.06 40 4.4b 65 1-91
IDC IX 05 10 58 15.6–.65 11.59N 126.72E 0 4.2,4.1 **¶601832077**
ISCJB IX 05 10 58 19.0–.31 11.61N–.03 126.71E–.03 40 4.4b,4.1
MAN IX 05 10 58 20.0 11.72N 126.56E 24 4.9b,3.9s
NEIC IX 05 10 58 20.4–.26 11.60N 126.74E 35 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=13.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=41.8.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=75.0.
ISC IX 05 14 00 58.0–.79 10.1N–.20 126.2E–.30 44 3.8b 16 28-146
IDC IX 05 14 00 51.1–1.2 10.37N 126.59E 0 4.0,3.8 **¶601734450**
ISCJB IX 05 14 00 56.6–.65 10.0N–.10 126.1E–.20 44 3.9b,3.8
NEIC IX 05 14 00 57.2–.56 10.14N 126.21E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=78.8km s-min=21.6km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=31.1km s-min=13.0km az=155.8.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=12.3km az=66.0.
ISC IX 05 14 12 35.1–.76 10.52N–.06 126.69E–.09 44 3.8b 23 1-146
IDC IX 05 14 12 29.8–.89 10.02N 125.99E 0 4.1L,3.9 **¶601862986**
MAN IX 05 14 12 31.1 10.64N 126.80E 90 4.5b,3.3L
ISCJB IX 05 14 12 32.0–.79 10.57N–.06 126.81E–.06 44 3.8b,3.3L
ISC Event type ke.
ISCJB Event type ke.
MAN IX 05 14 20 34.0 10.98N 126.86E 64 4.4b,3.2L
¶604684291
IDC IX 05 15 55 22.7–2.0 10.73N 127.62E 0 4.0,3.9
¶601862989
IDC Error ellipse: s-maj=188.8km s-min=28.4km az=70.0.
ISC IX 05 17 23 57.4–.76 10.88N–.05 126.73E–.09 35 4.0b 30 1-86
IDC IX 05 17 23 51.8–1.1 10.84N 126.95E 0 4.0,3.9 **¶601777915**
ISCJB IX 05 17 23 55.3–.58 10.86N–.04 126.78E–.05 33 4.0b,3.9
MAN IX 05 17 23 55.8 10.93N 126.69E 26 5.0b,4.1s
NEIC IX 05 17 23 56.9–.78 10.84N 127.05E 35 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=98.6km s-min=14.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.6km az=165.9.
NEIC Event type se. Error ellipse: s-maj=62.5km s-min=9.2km az=70.0.
ISC IX 05 20 09 39.2–.73 10.63N–.04 126.97E–.07 20 4.0b 50 2-86
IDC IX 05 20 09 36.2–.86 10.48N 126.70E 0 4.0,4.0 **¶601777917**
ISCJB IX 05 20 09 37.8–.45 10.62N–.03 126.96E–.04 20 3.9b,4.0
NEIC IX 05 20 09 41.2–.54 10.48N 126.70E 35 4.5b,4.0
MAN IX 05 20 09 42.3 10.61N 126.79E 39 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=14.1km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=177.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=8.1km az=87.0.
MAN IX 05 22 42 47.4 11.00N 126.69E 19 4.4b,3.2L
¶604684297
ISC IX 05 23 52 56.8–1.4 10.82N–.06 126.6E–.10 44 3.5b 12 1-52
IDC IX 05 23 52 52.3–4.1 10.47N 126.32E 0 3.7,3.6 **¶601863011**
ISCJB IX 05 23 52 54.2–1.1 10.83N–.05 126.71E–.08 44 3.6b,3.6
MAN IX 05 23 52 54.5 10.85N 126.56E 17 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=337.2km s-min=26.3km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.0km az=159.3.
ISC IX 06 00 16 50.5–1.5 10.9N–.20 126.6E–.20 37 3.5b 7 1-52
IDC IX 06 00 16 46.3–3.4 10.70N 126.40E 0 3.6,3.4 **¶601863015**
ISCJB IX 06 00 16 48.5–1.3 10.8N–.20 126.7E–.10 37 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 06 00 40 44.5–1.1 11.64N–.07 126.62E–.10 40 3.8b 18 1-54
IDC IX 06 00 40 38.9–1.1 11.51N 126.59E 0 3.9,3.8b **¶601863017**
ISCJB IX 06 00 40 42.4–.77 11.58N–.07 126.64E–.06 40 3.7b,3.3s
MAN IX 06 00 40 42.2 11.63N 126.66E 34 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=17.9km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.1km az=4.3.
ISC IX 06 04 00 35.5–.51 10.59N–.05 126.81E–.07 20 4.3b 53 2-146
IDC IX 06 04 00 32.6–.77 10.57N 126.78E 0 4.2,4.1b **¶601839173**
ISCJB IX 06 04 00 34.1–.39 10.62N–.04 126.86E–.04 20 4.3b,3.7s
MAN IX 06 04 00 37.1 10.80N 126.68E 10 4.6b,3.4L
NEIC IX 06 04 00 37.5–.32 10.52N 126.90E 35 4.8b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=17.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=142.9.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.6km az=77.0.
MAN IX 06 04 50 23.6 10.81N 126.54E 1 4.1b,2.9L
¶604684299
ISC IX 06 05 12 47.3–1.8 7.09N–.04 127.15E–.09 32–13 4.4b,3.5s 49 1-122
MAN IX 06 05 12 41.7 6.94N 127.40E 4 4.9b,3.9s **¶601832080**
ISCJB IX 06 05 12 47.0–1.0 7.09N–.05 127.23E–.08 50–11 4.2b,3.5s
NEIC IX 06 05 12 47.7–.38 7.11N 127.13E 35 4.6b,3.5s
IDC IX 06 05 12 50.9–3.3 7.11N 127.20E 60–31 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.4km az=169.5.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.8km az=84.0.
IDC Error ellipse: s-maj=26.0km s-min=14.3km az=82.0.
ISC IX 06 05 40 47.4–1.0 7.13N–.07 127.20E–.09 35 3.6b 16 1-55
MAN IX 06 05 40 42.6 7.15N 127.37E 14 4.8b,3.7L **¶601863030**
ISCJB IX 06 05 40 46.0–.86 7.14N–.06 127.29E–.07 35 3.5b,2.7s
IDC IX 06 05 40 47.1–5.8 7.25N 127.07E 33–45 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.1km az=147.8.
IDC Error ellipse: s-maj=45.1km s-min=18.9km az=75.0.
ISC IX 06 09 13 25.9–.50 10.48N–.04 126.85E–.06 24–3 4.5b 149 2-146
IDC IX 06 09 13 22.0–.49 10.44N 126.75E 0 4.4,4.3 **¶601685413**
ISCJB IX 06 09 13 24.0–1.5 10.48N–.03 126.91E–.04 25–10 4.5b,3.8s
MAN IX 06 09 13 24.7 10.57N 126.81E 10 4.8b,3.7L
MOS IX 06 09 13 25.4–1.1 10.52N 126.80E 33 4.8b,3.7L
BJI IX 06 09 13 25.2 10.36N 127.07E 40 4.8b,4.7b
NEIC IX 06 09 13 26.2–2.0 10.45N 126.79E 27–14 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=11.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=144.0.
MOS Error ellipse: s-maj=16.3km s-min=7.1km az=117.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=75.0.
ISC IX 06 09 15 28.4–.53 10.54N–.07 126.89E–.08 20 4.3b 50 2-146
IDC IX 06 09 15 25.4–.59 10.44N 126.79E 0 4.3,4.2b **¶601839176**
ISCJB IX 06 09 15 26.6–.36 10.49N–.05 126.90E–.05 20 4.4b,3.9s
MAN IX 06 09 15 26.5 10.60N 126.96E 88 5.2b,4.4s
NEIC IX 06 09 15 28.3–4.1 10.46N 126.94E 20–29 4.4b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=13.9km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=137.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.7km az=81.0.
ISC IX 06 13 03 42.5–1.1 11.46N–.07 126.57E–.10 40 3.6b,2.9s 13 1-51
IDC IX 06 13 03 37.1–1.1 11.29N 126.40E 0 3.7,3.6b **¶601863044**
ISCJB IX 06 13 03 40.3–.85 11.44N–.06 126.64E–.06 40 3.6b,3.0s
MAN IX 06 13 03 40.2 11.50N 126.48E 15 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=83.6km s-min=19.8km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=8.3km az=177.4.
ISC IX 06 13 49 24.7–2.3 10.43N–.04 126.56E–.09 3–13 3.9b 28 2-86
IDC IX 06 13 49 24.0–.97 10.36N 126.47E 0 4.1,4.0 **¶601863047**
MAN IX 06 13 49 26.9 10.44N 126.61E 14 4.9b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=72.3km s-min=15.6km az=78.0.
IDC IX 06 14 26 37.8–3.9 9.65N 127.53E 0 3.8,3.6
¶601863048
IDC Error ellipse: s-maj=285.2km s-min=28.5km az=66.0.
MAN IX 06 16 46 12.0 10.44N 126.50E 14 4.6b,3.5L
¶604684306
MAN IX 06 18 31 51.8 10.26N 126.16E 10 4.8b,3.8s
¶604684307
ISC IX 06 19 04 29.1–.39 11.03N–.03 126.64E–.06 38–2 4.9b,3.9s 374 1-168
BJI IX 06 19 04 19.4 10.59N 126.82E 8 5.0b,4.9b **¶601685422**
IDC IX 06 19 04 23.2–.37 10.98N 126.61E 0 4.7,4.7
NEIC IX 06 19 04 25.8–2.1 10.95N 126.61E 16–13 5.0b,4.7
ISCJB IX 06 19 04 26.3–.95 11.03N–.02 126.67E–.02 29–6 4.8b,4.0s
MAN IX 06 19 04 26.8 11.08N 126.68E 32 5.2b,4.4s
MOS IX 06 19 04 26.6–.94 10.94N 126.60E 33 5.1b,4.4s
DJA IX 06 19 04 33.7–2.0 11N–15 127E–5.0 79–11 5.2,5.0b
KLM IX 06 19 04 37.0 10.83N 126.64E 107 4.6b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=9.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=2.8.
MOS Error ellipse: s-maj=10.8km s-min=5.2km az=121.4.
ISC IX 06 21 47 37.3–1.4 10.56N–.05 126.72E–.09 54–12 4.4b 56 2-146
IDC IX 06 21 47 29.8–.51 10.43N 126.72E 0 4.4,4.3b **¶601692007**
MAN IX 06 21 47 31.8 10.68N 126.97E 36 5.1b,4.2s
BJI IX 06 21 47 34.5 10.45N 126.51E 33 4.9b,4.7b
NEIC IX 06 21 47 35.1–.39 10.37N 126.64E 35 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=11.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=7.7km az=80.0.
MAN IX 07 01 18 59.6 10.78N 126.76E 62 4.2b,3.0L
¶604684310
ISC IX 07 01 29 27.2–.87 11.10N–.06 126.34E–.08 37 4.0b 22 1-147
IDC IX 07 01 29 22.1–1.3 11.09N 126.27E 0 4.0,3.9 **¶601863082**
MAN IX 07 01 29 24.9 10.96N 126.27E 18 4.6b,3.5L
ISCJB IX 07 01 29 25.5–.71 11.03N–.06 126.35E–.06 37 3.8b,3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 07 02 32 22.7–3.5 10.22N–.05 126.87E–.07 8–22 4.2b,3.0s 51 2-146
IDC IX 07 02 32 21.3–.54 10.10N 126.67E 0 4.4,4.2 **¶601692011**
MAN IX 07 02 32 24.4 10.25N 126.89E 21 5.1b,4.2s
NEIC IX 07 02 32 26.6–.25 10.11N 126.70E 35 4.3b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=11.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.1km az=76.0.
ISC IX 07 02 44 41.9–.56 10.23N–.06 126.83E–.08 42 4.2b 39 2-151
IDC IX 07 02 44 36.0–.62 10.14N 126.74E 0 4.2,4.1b **¶601734458**
ISCJB IX 07 02 44 39.6–.45 10.23N–.04 126.94E–.05 42 4.1b,4.1b
MAN IX 07 02 44 40.5 10.31N 126.87E 73 5.1b,4.2s
NEIC IX 07 02 44 41.2–.34 10.12N 126.74E 35 4.3b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=12.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=143.9.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=6.3km az=75.0.
ISC IX 07 04 12 13.1–3.7 10.74N–.05 126.73E–.07 4–23 4.3b 50 2-152
IDC IX 07 04 12 12.5–.56 10.65N 126.67E 0 4.2,4.1 **¶601734459**
MAN IX 07 04 12 14.3 10.83N 126.81E 20 5.1b,4.3s
NEIC IX 07 04 12 17.7–.26 10.65N 126.71E 35 4.3b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=12.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.5km az=80.0.
ISC IX 07 04 12 36.3–.89 10.7N–.20 126.8E–.40 20 4.1b 11 4-86
IDC IX 07 04 12 33.2–.83 10.69N 126.82E 0 4.2,4.1b **¶601863098**

ISCJB IX 07 04 12 34.4–.77 10.6N–.20 126.7E–.40 20 4.1b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 07 06 21 12.7–.44 10.82N–.05 126.80E–.07 35 4.7b,3.1s 73 2-152
IDC IX 07 06 21 07.6–.70 10.71N 126.62E 0 4.5,4.4b **¶601692017**
MAN IX 07 06 21 08.7 10.95N 126.84E 14 5.0b,4.0s
ISCJB IX 07 06 21 10.7–.32 10.73N–.04 126.78E–.04 33 4.5b,3.1s
NEIC IX 07 06 21 13.1–.23 10.68N 126.65E 35 4.9b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=15.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=144.6.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.8km az=69.0.
ISC IX 07 08 30 18.1–2.3 10.41N–.06 126.65E–.07 2–14 4.5b 86 2-149
IDC IX 07 08 30 17.7–.57 10.40N 126.62E 0 4.4,4.3b **¶601734461**
MAN IX 07 08 30 22.2 10.64N 126.69E 48 5.1b,4.2s
NEIC IX 07 08 30 23.2–.21 10.38N 126.51E 35 4.6b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=13.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=74.0.
ISC IX 07 10 43 11.9–.75 7.12N–.03 127.21E–.05 53–6 4.7b,4.2s 266 1-162
MAN IX 07 10 43 07.8 7.12N 127.16E 8 5.6b,5.0s **¶601687356**
MOS IX 07 10 43 08.6–.97 7.20N 126.81E 33 5.1b,5.0s
DJA IX 07 10 43 09.8–1.2 7N–9.0 127E–6.0 33–26 5.5,5.2b
BJI IX 07 10 43 10.4 7.25N 127.05E 48 5.0b,4.8b
ISCJB IX 07 10 43 11.2–.52 7.14N–.02 127.08E–.04 61–4 4.7b,4.8b
GCMT IX 07 10 43 11.8–.30 7.07N–.02 127.23E–.02 23–1 5.0W,4.8b
NEIC IX 07 10 43 12.8–.72 7.13N 126.94E 60–7 4.9b,4.8b
IDC IX 07 10 43 12.7–1.5 7.16N 126.93E 58–13 4.6,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=6.0km az=110.9.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=172.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s77,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.21 $M_{\theta\theta}$-0.04±.12; $M_{\phi\phi}$-2.89±.13; $M_{r\theta}$0.89±.18; $M_{\theta\phi}$-0.55±.06; $M_{\phi r}$1.30±.16; Best double couple: NP1:ϕ_s21.00000°,δ59.00000°,λ101.00000°. NP2:ϕ_s180.00000°,δ33.00000°,λ72.00000°. Principal axes: T 3.3890,Plg73.0000° ,Azm321.0000°; N -0.0560,Plg10.0000°,Azm195.0000°; P -3.3290,Plg13.0000° ,Azm103.0000° $M_0$3.35900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=83.0. Felt [II PIVS] at Davao and Mati.
IDC Error ellipse: s-maj=14.9km s-min=8.5km az=86.0.
ISC IX 07 13 57 02.2–.38 10.87N–.04 126.81E–.06 35 4.6b,3.4s 135 2-147
DJA IX 07 13 56 56.3–.80 11N–7.0 128E–9.0 10 5.6b,5.6 **¶601692029**
IDC IX 07 13 56 56.6–.50 10.82N 126.80E 0 4.3,4.2
MAN IX 07 13 56 59.4 10.92N 126.83E 47 5.2b,4.3s
ISCJB IX 07 13 57 00.2–.24 10.87N–.03 126.83E–.03 33 4.5b,3.6s
BJI IX 07 13 57 00.8 10.76N 126.93E 43 4.8b,4.5b
NEIC IX 07 13 57 01.8–.28 10.84N 126.86E 35 4.7b,4.5b
MOS IX 07 13 57 04.8–1.1 10.95N 126.84E 42 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=11.1km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=27.1.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=88.0.
MOS Error ellipse: s-maj=13.1km s-min=6.7km az=103.9.
ISC IX 07 17 44 36.4–.37 10.63N–.04 126.85E–.05 20 4.9b 104 2-146
IDC IX 07 17 44 33.4–.56 10.62N 126.89E 0 4.5,4.5 **¶601839179**
ISCJB IX 07 17 44 34.6–.23 10.62N–.02 126.87E–.03 20 4.8b,4.5
NEIC IX 07 17 44 39.0–.79 10.55N 126.73E 38–7 5.0b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=12.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=158.4.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=76.0.
ISC IX 07 17 45 29.7–.33 10.61N–.05 126.88E–.08 20 4.8b 117 10-146
IDC IX 07 17 45 26.4–.60 10.63N 126.90E 0 4.5,4.4 **¶601863126**
ISCJB IX 07 17 45 27.8–.21 10.58N–.03 126.88E–.05 20 4.8b,4.4
NEIC IX 07 17 45 32.6–.73 10.58N 126.89E 44–7 4.9b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=14.7km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=165.6.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=79.0.
ISC IX 07 17 49 44.7–.35 10.62N–.04 126.82E–.06 20 4.6b 107 2-146
IDC IX 07 17 49 41.4–.56 10.55N 126.81E 0 4.3,4.2 **¶601839183**
ISCJB IX 07 17 49 42.6–.23 10.62N–.03 126.89E–.03 20 4.5b,4.2
NEIC IX 07 17 49 46.5–.21 10.57N 126.84E 35 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=12.7km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=172.5.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.2km az=83.0.
ISC IX 07 21 11 51.0–.28 10.87N–.03 126.86E–.05 35 4.9b,3.5s 313 2-147
IDC IX 07 21 11 45.1–.42 10.81N 126.86E 0 4.5,4.5 **¶601695796**
BJI IX 07 21 11 45.2 10.48N 127.02E 30 4.9b,4.7b
ISCJB IX 07 21 11 48.9–.16 10.84N–.02 126.84E–.02 33 4.8b,3.6s
MOS IX 07 21 11 48.5–1.0 10.77N 126.88E 33 5.0b,3.6s
NEIC IX 07 21 11 49.6–1.3 10.80N 126.80E 27–9 4.9b,3.6s
DJA IX 07 21 11 55.2–.60 11N–3.0 127E–4.0 46–6 5.3b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 07 22 01 22.1–3.5 10.91N–.05 126.64E–.09 26–25 4.0b,2.9s 30 1-147
IDC IX 07 22 01 18.6–.79 10.84N 126.85E 0 4.2,4.1b **¶601734463**
ISCJB IX 07 22 01 20.5–2.4 10.91N–.04 126.70E–.05 29–19 4.1b,2.9s
NEIC IX 07 22 01 23.5–.42 10.85N 126.84E 35 4.3b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=14.6km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=148.8.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=7.8km az=84.0.
ISC IX 08 00 33 50.7–2.4 7.09N–.06 127.31E–.09 3–13 3.2b 16 1-55
IDC IX 08 00 33 49.4–2.3 7.33N 127.44E 0 3.5,3.4 **¶601863132**
ISC Event type ke.
IDC Error ellipse: s-maj=196.5km s-min=27.5km az=67.0.
ISC IX 08 00 38 43.5–2.6 7.09N–.06 127.2E–.10 24–17 3.4b,3.1s 17 1-64
IDC IX 08 00 38 39.4–2.5 7.18N 127.04E 0 3.7,3.5b **¶601863133**
ISCJB IX 08 00 38 41.3–2.7 7.06N–.06 127.29E–.07 14–19 3.4b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 01 05 29.6–1.5 7.03N–.05 127.11E–.10 54–13 4.4b 74 1-122
ISCJB IX 08 01 05 29.8–.86 7.13N–.04 126.92E–.08 70–7 4.3b **¶601699560**
IDC IX 08 01 05 32.0–2.1 7.07N 126.95E 75–19 4.3,4.0
NEIC IX 08 01 05 33.4–.88 7.08N 126.78E 89–8 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.0km az=3.3.
IDC Error ellipse: s-maj=25.0km s-min=10.4km az=88.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.2km az=84.0.
ISC IX 08 01 09 36.3–.96 10.9N–.10 126.7E–.10 35 3.9b 15 1-147
IDC IX 08 01 09 30.7–1.2 10.90N 127.03E 0 4.0,3.9 **¶601863135**
ISCJB IX 08 01 09 34.5–.79 10.8N–.10 126.72E–.08 33 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 01 12 37.5–2.0 7.18N–.05 127.21E–.08 23–14 4.2b,3.3s 58 1-148
NEIC IX 08 01 12 39.3–.29 7.14N 127.10E 35 4.3b,3.3s **¶601734464**
IDC IX 08 01 12 43.3–2.1 7.13N 127.10E 73–20 4.2,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=86.0.
IDC Error ellipse: s-maj=20.5km s-min=9.8km az=88.0.
ISC IX 08 01 23 52.5–2.6 7.13N–.06 127.3E–.10 25–17 3.6b 26 1-122
ISCJB IX 08 01 23 50.8–2.3 7.11N–.06 127.30E–.05 15–16 3.5b **¶601863136**
IDC IX 08 01 23 57.4–3.6 7.16N 127.14E 65–33 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.6km az=20.5.
IDC Error ellipse: s-maj=31.9km s-min=15.9km az=73.0.
ISC IX 08 01 25 46.3–2.5 7.02N–.06 127.3E–.20 46–23 3.7b 26 1-130
IDC IX 08 01 25 50.2–2.7 7.14N 127.05E 80–25 3.8,3.7 **¶601863137**
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=14.8km az=81.0.
ISC IX 08 01 29 39.2–2.1 10.6N–.40 126.2E–.70 51 3.7b 7 1-79
IDC IX 08 01 29 33.3–2.1 10.47N 126.04E 0 3.9,3.8 **¶601863138**
ISC Event type ke.
IDC Error ellipse: s-maj=135.0km s-min=23.4km az=66.0.
ISC IX 08 02 17 35.8–.91 11.41N–.07 126.76E–.09 35 3.7b 18 1-85
IDC IX 08 02 17 30.2–.88 11.50N 127.18E 0 4.1,3.9b **¶601863140**
ISCJB IX 08 02 17 33.4–.68 11.41N–.06 126.83E–.06 33 3.8b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 02 34 49.5–2.1 7.16N–.06 127.21E–.08 14–11 3.5b 25 1-122
IDC IX 08 02 34 55.3–4.0 7.16N 127.22E 59–35 3.6,3.5 **¶601863141**
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=15.6km az=69.0.
ISC IX 08 03 11 12.0–.59 10.99N–.06 126.67E–.08 37 4.2b 32 1-152
IDC IX 08 03 11 06.8–.61 10.92N 126.62E 0 4.1,4.0 **¶601734465**
ISCJB IX 08 03 11 10.0–.49 10.96N–.05 126.72E–.05 37 4.0b,2.7s
NEIC IX 08 03 11 11.9–.33 10.89N 126.56E 35 4.2b,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=13.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.4km az=141.2.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=6.7km az=77.0.
ISC IX 08 03 19 50.3–1.2 10.9N–.10 126.7E–.10 10 3.4b 10 2-68
ISCJB IX 08 03 19 48.5–1.1 10.9N–.10 126.76E–.08 10 3.4b,3.2s **¶601863145**
IDC IX 08 03 19 49.2–1.3 10.79N 126.40E 0 3.7,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=10.5km az=15.5.
IDC Error ellipse: s-maj=155.0km s-min=23.4km az=76.0.
ISC IX 08 03 23 47.4–.67 10.94N–.06 126.62E–.09 44 3.9b 31 1-152
IDC IX 08 03 23 41.8–1.0 10.63N 126.24E 0 3.9,3.8b **¶601734466**
ISCJB IX 08 03 23 45.4–.58 10.93N–.05 126.66E–.05 44 3.9b,3.4s
NEIC IX 08 03 23 46.9–.64 10.67N 126.37E 35 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=95.7km s-min=14.0km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.3km az=143.8.
NEIC Event type se. Error ellipse: s-maj=54.5km s-min=8.2km az=69.0.
ISC IX 08 03 25 19.8–.67 10.93N–.08 126.66E–.09 37 4.1b 29 1-147
IDC IX 08 03 25 14.3–.88 10.92N 126.73E 0 4.1,4.1b **¶601734467**
ISCJB IX 08 03 25 17.6–.55 10.92N–.06 126.71E–.05 37 4.0b,3.7s
NEIC IX 08 03 25 19.5–.58 10.89N 126.72E 35 4.2b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=14.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=30.3.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=8.4km az=66.0.
ISC IX 08 03 45 11.5–4.4 10.88N–.10 126.6E–.10 3–26 3.9b 31 1-152
IDC IX 08 03 45 11.3–.61 10.85N 126.54E 0 4.0,3.9b **¶601734468**
NEIC IX 08 03 45 16.4–.34 10.82N 126.53E 35 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=13.7km az=68.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=7.5km az=66.0.
ISC IX 08 05 12 58.3–1.2 10.5N–.10 126.8E–.10 20 4.3b 10 2-146
IDC IX 08 05 12 55.4–1.4 10.51N 126.79E 0 4.3,4.1 **¶601863147**
ISCJB IX 08 05 12 56.7–1.2 10.5N–.10 126.84E–.09 20 4.2b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 05 37 30.4–.97 10.7N–.10 126.8E–.10 20 4.0b 13 2-86
IDC IX 08 05 37 27.7–2.0 10.52N 126.52E 0 3.9,3.8b **¶601863149**
ISCJB IX 08 05 37 28.7–.89 10.6N–.10 126.87E–.10 20 3.9b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 07 24 21.7–3.3 10.64N–.05 126.77E–.06 17–20 4.4b 70 2-152
IDC IX 08 07 24 19.4–.61 10.58N 126.64E 0 4.2,4.1 **¶601737006**
ISCJB IX 08 07 24 23.1–1.1 10.75N–.04 126.81E–.06 36–10 4.4b,4.1
NEIC IX 08 07 24 24.6–.28 10.68N 126.88E 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=13.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=162.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.1km az=74.0.
ISC IX 08 07 53 04.5–.32 10.76N–.04 126.79E–.05 35 4.6b,3.6s 246 2-153
IDC IX 08 07 52 58.9–.47 10.65N 126.73E 0 4.4,4.3 **¶601695812**
BJI IX 08 07 53 01.2 10.66N 126.94E 30 5.2b,4.7b
DJA IX 08 07 53 01.2–1.0 11N–2.0 127E–3.0 11–7 5.7b,5.3
ISCJB IX 08 07 53 02.6–.18 10.78N–.02 126.86E–.03 33 4.5b,3.6s
MOS IX 08 07 53 03.8–1.2 10.78N 126.71E 44 4.9b,3.6s
NEIC IX 08 07 53 06.0–.90 10.70N 126.73E 50–8 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=10.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.7km az=178.9.
MOS Error ellipse: s-maj=11.2km s-min=6.1km az=111.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=81.0.
IDC IX 08 08 20 53.5–3.0 10.98N 127.68E 0 3.7,3.6
¶601863157
IDC Error ellipse: s-maj=267.7km s-min=23.8km az=69.0.
ISC IX 08 08 23 38.6–1.9 10.90N–.04 126.60E–.07 24–13 4.4b 112 1-152
IDC IX 08 08 23 34.6–.49 10.82N 126.50E 0 4.3,4.2 **¶601737007**
ISCJB IX 08 08 23 36.6–1.8 10.87N–.03 126.68E–.04 24–12 4.3b,4.2
NEIC IX 08 08 23 40.8–.74 10.80N 126.52E 42–6 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=11.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=157.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.7km az=77.0.
ISC IX 08 12 19 42.2–.77 10.77N–.04 126.82E–.06 27–5 4.5b 100 2-146
IDC IX 08 12 19 38.0–.47 10.74N 126.83E 0 4.3,4.2 **¶601696494**
NEIC IX 08 12 19 43.2–.21 10.73N 126.86E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=10.2km az=82.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.5km az=80.0.
ISC IX 08 12 44 05.7–.91 10.39N–.03 126.67E–.05 17–5 4.7b 230 2-164
ISCJB IX 08 12 44 03.8–1.5 10.40N–.02 126.80E–.03 16–10 4.5b,4.3s **¶601696498**
IDC IX 08 12 44 03.0–.39 10.41N 126.65E 0 4.5,4.5
MOS IX 08 12 44 04.9–.90 10.40N 126.70E 23 5.0b,4.5
NEIC IX 08 12 44 08.0–.13 10.36N 126.65E 35 4.7b,4.5
BJI IX 08 12 44 10.0 10.85N 126.55E 30 5.0b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=159.9.
IDC Error ellipse: s-maj=17.4km s-min=9.4km az=80.0.
MOS Error ellipse: s-maj=13.3km s-min=6.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=77.0.
IDC IX 08 14 05 02.3–4.5 10.49N 126.78E 0 3.5,3.4
¶601863170
IDC Error ellipse: s-maj=361.1km s-min=26.8km az=66.0.
ISC IX 08 15 23 01.2–2.9 10.93N–.06 126.70E–.07 14–17 3.8b,2.9s 22 1-147
IDC IX 08 15 22 59.9–1.1 10.67N 126.39E 0 4.0,3.9b **¶601863173**
ISCJB IX 08 15 23 00.3–2.3 10.92N–.05 126.77E–.05 22–19 3.9b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 16 08 00.8–.76 10.87N–.05 126.76E–.09 44 3.7b 27 1-147
IDC IX 08 16 07 56.1–.91 10.61N 126.26E 0 4.0,3.8b **¶601863175**
ISCJB IX 08 16 07 58.1–.71 10.93N–.05 126.78E–.07 44 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 18 00 06.0–1.5 10.7N–.10 126.8E–.20 50 3.4b 7 2-54
MAN IX 08 17 59 37.7 7.94N 124.75E 10 4.6b,3.5L **¶604684318**
IDC IX 08 17 59 58.1–2.5 10.97N 127.58E 0 3.5,3.4
ISCJB IX 08 18 00 03.7–1.2 10.8N–.10 126.9E–.20 50 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 18 40 48.0–3.9 11.28N–.04 126.68E–.06 28–29 4.6b 85 1-85
IDC IX 08 18 40 44.0–.62 11.25N 126.71E 0 4.1,4.0 **¶601696942**

ISCJB IX 08 18 40 45.6–1.4 11.29N–.03 126.71E–.04 23–10 4.5b,3.0s
MAN IX 08 18 40 46.4 11.34N 126.75E 35 5.0b,4.1s
NEIC IX 08 18 40 49.9–1.1 11.23N 126.69E 43–11 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=12.5km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.4km az=172.8.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=84.0.
ISC IX 08 20 16 38.6–3.6 11.31N–.05 126.62E–.07 5–23 4.4b 53 1-66
ISCJB IX 08 20 16 38.3–2.3 11.20N–.04 126.71E–.05 17–17 4.3b,2.6s ¶601839188
IDC IX 08 20 16 38.1–.95 11.12N 126.48E 0 4.0,3.9b
MAN IX 08 20 16 40.8 11.42N 126.57E 23 4.9b,4.0s
NEIC IX 08 20 16 43.1–.30 11.11N 126.51E 35 4.5b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.0km az=170.2.
IDC Error ellipse: s-maj=46.9km s-min=15.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=4.6km az=77.0.
ISC IX 08 20 55 34.7–1.4 10.86N–.10 126.9E–.10 35 3.5b 9 2-45
IDC IX 08 20 55 30.4–.36 10.46N 125.81E 0 4.5s,4.5 ¶601863189
ISCJB IX 08 20 55 33.0–1.1 10.78N–.09 126.89E–.09 33 3.6b,4.5
MAN IX 08 20 55 39.4 10.91N 126.44E 22 4.0b,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=636.0km s-min=252.3km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=8.2km az=41.8.
IDC IX 08 21 11 49.7–2.4 10.44N 127.33E 0 4.1s,4.1
¶601863190
IDC Error ellipse: s-maj=206.5km s-min=25.0km az=69.0.
ISC IX 08 21 35 23.2–.76 10.97N–.08 126.78E–.08 37 3.9b 21 1-78
MAN IX 08 21 35 18.2 11.12N 126.95E 29 4.6b,3.5L ¶601737010
IDC IX 08 21 35 18.0–1.7 10.85N 126.74E 0 3.9,3.8
ISCJB IX 08 21 35 21.1–.55 10.89N–.07 126.78E–.05 37 3.9b,3.8
NEIC IX 08 21 35 23.1–.45 10.85N 126.77E 35 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=121.7km s-min=18.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=27.2.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.4km az=73.0.
ISC IX 08 21 57 32.7–.60 10.78N–.05 126.96E–.08 35 4.0b 30 2-86
IDC IX 08 21 57 27.4–1.2 10.78N 127.24E 0 4.0,3.9 ¶601737011
ISCJB IX 08 21 57 30.8–.52 10.72N–.04 126.99E–.05 33 4.0b,3.9
NEIC IX 08 21 57 32.2–.38 10.80N 127.34E 35 4.2b,3.9
MAN IX 08 21 57 33.2 10.79N 126.69E 30 4.3b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=94.4km s-min=16.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=10.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.2km az=79.0.
ISC IX 08 22 11 29.5–1.7 10.10N–.04 126.82E–.10 48–15 4.2b 57 2-146
IDC IX 08 22 11 22.5–.52 9.95N 126.68E 0 4.3,4.2 ¶601696950
ISCJB IX 08 22 11 28.3–1.0 10.05N–.04 126.84E–.07 55–9 4.2b,3.6s
NEIC IX 08 22 11 28.8–2.5 9.95N 126.69E 45–24 4.4b,3.6s
MAN IX 08 22 11 28.1 10.12N 126.69E 13 4.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=11.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.8km az=168.7.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.9km az=79.0.
ISC IX 09 01 59 23.2–.76 10.50N–.07 126.82E–.08 20 4.1b 19 2-146
IDC IX 09 01 59 19.9–.93 10.51N 126.99E 0 4.2,4.0b ¶601734470
ISCJB IX 09 01 59 21.4–.66 10.48N–.07 126.93E–.06 20 4.0b,2.6s
MAN IX 09 01 59 21.9 10.52N 126.92E 99 4.9b,4.0s
NEIC IX 09 01 59 25.1–.48 10.47N 126.99E 35 4.2b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=23.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.7km az=21.7.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=11.9km az=78.0.
MAN IX 09 02 25 28.7 10.67N 126.55E 67 4.5b,3.4L
¶604684322
ISC IX 09 02 35 41.6–.81 10.48N–.08 126.71E–.10 51 3.7b,3.0s 16 2-146
IDC IX 09 02 35 34.5–.79 10.30N 126.67E 0 4.0,3.9b ¶601863204
MAN IX 09 02 35 39.4 10.74N 125.57E 210 4.5b,3.4L
ISCJB IX 09 02 35 40.6–.84 10.53N–.08 126.79E–.07 51 3.9b,3.0s
ISC Event type ke.
ISCJB Event type ke.
MAN IX 09 03 53 57.8 10.37N 126.38E 1 4.6b,3.5L
¶604684323
ISC IX 09 04 03 20.0–1.5 10.41N–.03 126.41E–.06 14–9 4.3b,3.8s 68 2-165
IDC IX 09 04 03 17.7–.50 10.39N 126.36E 0 4.4,4.2 ¶601734471
MAN IX 09 04 03 19.4 10.57N 126.60E 9 5.4b,4.6s
NEIC IX 09 04 03 22.5–4.2 10.41N 126.37E 32–30 4.4b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=11.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.4km az=83.0.
ISC IX 09 04 29 44.0–1.2 10.51N–.06 126.87E–.09 20 3.7b 15 2-146
ISCJB IX 09 04 29 41.3–1.1 10.64N–.06 127.06E–.07 20 3.9b ¶601863210
IDC IX 09 04 29 42.1–2.1 10.24N 126.65E 0 4.0,3.8
MAN IX 09 04 29 44.7 10.69N 126.92E 33 4.3b,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=7.9km az=149.2.
IDC Error ellipse: s-maj=181.5km s-min=24.8km az=65.0.
MAN IX 09 04 57 00.4 11.09N 126.73E 20 4.7b,3.6L
¶604684324
ISC IX 09 06 09 52.1–3.9 10.51N–.05 126.62E–.08 15–24 4.1b 26 2-146
IDC IX 09 06 09 50.0–1.2 10.36N 126.54E 0 4.1,4.0 ¶601863215
MAN IX 09 06 09 54.5 10.54N 126.53E 31 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=108.3km s-min=15.5km az=70.0.
MAN IX 09 06 32 44.2 10.34N 126.76E 193 4.2b,3.0L
¶604684325
MAN IX 09 09 04 08.4 10.27N 126.50E 77 4.6b,3.5L
¶604684328
ISC IX 09 10 02 05.5–.52 10.90N–.05 126.77E–.08 37 4.3b 51 1-152
IDC IX 09 10 01 59.8–.68 10.87N 126.93E 0 4.0,3.9 ¶601737013
ISCJB IX 09 10 02 03.5–.38 10.85N–.04 126.80E–.05 37 4.2b,3.9
MAN IX 09 10 02 03.1 10.94N 126.78E 34 5.2b,4.3s
NEIC IX 09 10 02 05.0–.29 10.85N 127.05E 35 4.6b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=14.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=149.7.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.4km az=78.0.
MAN IX 09 14 04 50.8 10.56N 126.62E 42 4.1b,2.9L
¶604684331
ISC IX 09 18 23 00.9–.92 10.66N–.07 126.91E–.09 20 3.6b 19 2-86
ISCJB IX 09 18 22 59.0–.78 10.65N–.06 126.95E–.06 20 3.8b,3.0s ¶601863248
IDC IX 09 18 22 58.4–1.2 10.42N 126.73E 0 3.9,3.8b
MAN IX 09 18 22 59.8 10.68N 126.99E 57 4.6b,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.4km az=141.3.
IDC Error ellipse: s-maj=75.1km s-min=17.7km az=62.0.
ISC IX 09 19 57 35.9–.55 10.63N–.04 126.94E–.06 20 4.1b 47 2-146
IDC IX 09 19 57 32.8–.53 10.54N 126.93E 0 4.1,4.1 ¶601842065
ISCJB IX 09 19 57 34.1–.41 10.62N–.03 126.95E–.04 20 4.0b,4.1
MAN IX 09 19 57 36.3 10.66N 126.85E 24 5.3b,4.6s
NEIC IX 09 19 57 37.9–.37 10.53N 126.89E 35 4.3b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=11.9km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.9km az=15.3.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.9km az=80.0.
IDC IX 09 20 34 49.6–4.2 10.83N 127.52E 0 3.3,3.1
¶601863260
IDC Error ellipse: s-maj=310.3km s-min=26.7km az=66.0.
ISC IX 09 21 21 21.7–.84 11.22N–.06 126.66E–.09 37 3.9b 20 1-85
IDC IX 09 21 21 16.2–.85 11.20N 126.79E 0 4.0,3.9 ¶601863262
ISCJB IX 09 21 21 19.9–.66 11.19N–.05 126.71E–.05 37 3.9b,3.9
MAN IX 09 21 21 21.3 11.23N 126.60E 31 4.3b,3.2L

ISC Event type ke.
IDC Error ellipse: s-maj=56.1km s-min=17.6km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.6km az=142.5.
ISC IX 10 05 06 00.9–1.4 19.13N–.05 121.10E–.07 31–12 4.0b,2.9s 24 1-83
IDC IX 10 05 05 55.2–.92 18.94N 121.27E 0 4.0,3.9 ¶601863281
MAN IX 10 05 06 02.4 19.04N 121.22E 17 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=17.3km az=69.0.
ISC IX 10 07 19 30.6–1.4 10.62N–.07 126.5E–.10 44 3.3b 10 1-52
IDC IX 10 07 19 25.9–4.2 10.26N 126.10E 0 4.2,4.0 ¶601863285
ISCJB IX 10 07 19 28.7–1.3 10.6N–.10 126.6E–.10 44 3.5b,4.0
MAN IX 10 07 19 29.5 10.53N 126.29E 0 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=355.0km s-min=26.1km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=10.4km az=135.6.
ISC IX 10 08 05 48.5–1.7 10.19N–.06 126.6E–.10 50–16 4.0b 41 2-86
IDC IX 10 08 05 41.7–.70 10.25N 126.51E 0 3.9,3.8b ¶601738688
ISCJB IX 10 08 05 45.6–1.7 10.27N–.05 126.7E–.10 45–15 4.0b,3.8b
NEIC IX 10 08 05 46.7–.36 10.21N 126.56E 35 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.7km s-min=15.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=6.9km az=159.3.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=5.6km az=70.0.
ISC IX 10 09 27 26.5–.41 10.67N–.05 126.88E–.06 20 4.3b,3.0s 87 2-146
IDC IX 10 09 27 23.5–.51 10.62N 126.74E 0 4.2,4.1 ¶601851650
ISCJB IX 10 09 27 24.7–.28 10.65N–.03 126.92E–.03 20 4.4b,3.0s
MAN IX 10 09 27 28.3 10.84N 126.84E 29 4.9b,3.9s
NEIC IX 10 09 27 28.7–.21 10.59N 126.79E 35 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=11.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=39.5.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.1km az=77.0.
ISC IX 10 10 01 25.4–.54 10.50N–.05 126.87E–.07 20 4.2b 56 2-87
IDC IX 10 10 01 22.1–.59 10.43N 126.80E 0 4.1,4.0 ¶601851651
ISCJB IX 10 10 01 23.4–.34 10.47N–.04 126.96E–.04 20 4.1b,4.0
MAN IX 10 10 01 24.0 10.62N 126.78E 1 4.8b,3.7L
NEIC IX 10 10 01 27.2–.31 10.39N 126.92E 35 4.2b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=12.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.5km az=169.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=5.9km az=79.0.
ISC IX 10 15 12 38.1–.69 10.3N–.10 126.8E–.30 20 3.9b 25 21-90
IDC IX 10 15 12 35.2–.70 10.35N 126.78E 0 4.1,3.9 ¶601734476
ISCJB IX 10 15 12 36.1–.46 10.30N–.07 126.7E–.20 20 4.0b,3.9
NEIC IX 10 15 12 40.0–.30 10.30N 126.75E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=14.7km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=9.2km az=167.7.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.4km az=79.0.
MAN IX 10 20 31 31.3 10.90N 126.95E 83 4.5b,3.4L
¶604684347
ISC IX 10 22 13 15.3–1.4 11.2N–.10 126.8E–.10 37 3.6b,3.5s 11 1-91
IDC IX 10 22 13 08.4–3.1 11.30N 127.60E 0 3.8,3.6b ¶601863317
ISCJB IX 10 22 13 13.3–1.1 11.0N–.10 126.8E–.10 37 3.6b,3.2s
MAN IX 10 22 13 17.9 11.19N 126.44E 7 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=167.5km s-min=28.4km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=7.9km az=37.9.
ISC IX 10 22 27 51.2–1.9 10.51N–.04 126.60E–.07 8–11 4.5b 81 2-146
ISCJB IX 10 22 27 49.8–.29 10.49N–.03 126.71E–.04 10 4.4b ¶601757200
IDC IX 10 22 27 50.0–.52 10.47N 126.60E 0 4.4,4.3
MAN IX 10 22 27 54.7 10.66N 126.56E 13 5.1b,4.2s
NEIC IX 10 22 27 55.1–.25 10.46N 126.60E 35 4.6b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=168.2.
IDC Error ellipse: s-maj=25.1km s-min=11.4km az=84.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.1km az=86.0.
MAN IX 11 04 21 06.8 10.75N 126.52E 12 4.3b,3.1L
¶604684348
ISC IX 11 05 17 49.1–.92 11.2N–.10 126.57E–.09 40 3.7b 16 1-147
IDC IX 11 05 17 43.7–.91 11.23N 126.72E 0 3.9,3.7 ¶601863335
ISCJB IX 11 05 17 47.3–.76 11.21N–.09 126.59E–.06 40 3.6b,2.8s
MAN IX 11 05 17 48.8 11.36N 126.37E 6 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=18.5km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.2km az=15.5.
ISC IX 11 05 35 49.7–.55 11.31N–.06 126.56E–.07 40 4.4b,3.1s 52 1-147
IDC IX 11 05 35 43.9–.67 11.23N 126.66E 0 4.3,4.1b ¶601851654
MAN IX 11 05 35 45.9 11.57N 126.72E 30 4.8b,3.7L
ISCJB IX 11 05 35 47.8–.36 11.19N–.05 126.58E–.04 40 4.3b,3.1s
NEIC IX 11 05 35 49.0–2.9 11.23N 126.61E 33–21 4.6b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=14.9km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.7km az=17.4.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.6km az=81.0.
ISC IX 11 14 18 54.9–1.2 10.7N–.10 127.0E–.10 35 3.7b 10 2-52
ISCJB IX 11 14 18 52.4–1.1 10.7N–.10 127.0E–.10 33 3.7b,3.6s ¶601863359
IDC IX 11 14 18 53.5–2.7 9.82N 125.51E 0 3.8s,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=8.0km az=40.9.
IDC Error ellipse: s-maj=238.1km s-min=24.2km az=64.0.
ISC IX 11 16 06 07.8–1.4 10.1N–.20 126.1E–.30 35 3.2b 8 2-52
IDC IX 11 16 06 04.1–3.5 10.00N 126.41E 0 3.5,3.3 ¶601863363
ISC Event type ke.
IDC Error ellipse: s-maj=275.7km s-min=28.5km az=66.0.
ISC IX 11 18 10 10.0–.36 10.74N–.03 126.86E–.04 37–1 5.0b,4.2s 498 2-168
MAN IX 11 18 10 04.8 10.97N 127.02E 29 5.5b,4.9s ¶601705125
IDC IX 11 18 10 04.6–.37 10.71N 126.72E 0 4.6,4.6
BJI IX 11 18 10 05.1 10.54N 126.95E 27 5.0b,4.8b
NEIC IX 11 18 10 06.9–1.3 10.71N 126.76E 16–8 5.2b,4.8b
ISCJB IX 11 18 10 08.0–.12 10.74N–.02 126.83E–.02 33 5.0b,4.1s
MOS IX 11 18 10 07.7–.91 10.71N 126.78E 33 5.3b,4.1s
DJA IX 11 18 10 11.6–.70 11N–4.0 127E–6.0 77–7 5.6,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 11 18 20 43.4–2.6 10.50N 126.50E 0 4.0s,4.0
¶601863368
IDC Error ellipse: s-maj=246.3km s-min=20.3km az=67.0.
IDC IX 11 20 04 29.5–2.0 10.80N 127.16E 0 3.7,3.6
¶601863373
IDC Error ellipse: s-maj=199.0km s-min=25.3km az=68.0.
ISC IX 11 22 03 11.8–.55 10.73N–.05 126.79E–.07 44 4.1b 51 2-146
IDC IX 11 22 03 05.3–.60 10.65N 126.66E 0 4.2,4.1b ¶601757202
ISCJB IX 11 22 03 09.8–.37 10.73N–.03 126.81E–.04 44 4.1b,2.8s
MAN IX 11 22 03 09.4 10.87N 126.87E 72 4.8b,3.8L
NEIC IX 11 22 03 11.2–1.3 10.54N 126.45E 40–13 4.4b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=13.6km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=166.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.9km az=82.0.
ISC IX 12 04 34 52.8–2.0 10.19N–.04 126.60E–.08 13–11 3.9b 22 1-86
MAN IX 12 04 34 49.5 10.27N 126.69E 157 4.7b,3.6L ¶601863397
ISCJB IX 12 04 34 51.5–2.1 10.22N–.06 126.65E–.06 11–14 4.0b,3.6L
IDC IX 12 04 34 51.3–4.5 10.15N 126.28E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.3km az=42.8.
IDC Error ellipse: s-maj=96.0km s-min=51.7km az=162.0.
ISC IX 12 13 36 17.6–3.6 11.12N–.04 126.69E–.08 18–18 4.1b 67 1-147
ISCJB IX 12 13 36 14.3–1.8 11.12N–.03 126.83E–.04 9–11 4.2b ¶601734483
IDC IX 12 13 36 14.6–.58 11.08N 126.82E 0 4.1,4.0

MAN IX 12 13 36 17.3 11.09N 126.57E 3 4.9b,3.9s
NEIC IX 12 13 36 19.6–.30 11.09N 126.80E 35 4.7b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.6km az=34.3.
IDC Error ellipse: s-maj=26.8km s-min=12.4km az=86.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.9km az=82.0.
ISC IX 12 14 23 06.2–1.6 10.40N–.03 126.92E–.05 14–10 4.7b,3.1s 154 2-164
BJI IX 12 14 23 02.6 10.13N 126.90E 16 4.8b,4.7b **¶601710357**
IDC IX 12 14 23 03.8–.47 10.34N 126.74E 0 4.4,4.3
ISCJB IX 12 14 23 04.7–1.4 10.43N–.03 126.93E–.03 15–9 4.6b,3.4s
NEIC IX 12 14 23 06.0–2.6 10.38N 126.74E 13–16 4.9b,3.4s
MAN IX 12 14 23 05.5 10.49N 126.99E 30 5.1b,4.2s
MOS IX 12 14 23 08.2–1.5 10.55N 126.78E 33 5.1b,4.2s
DJA IX 12 14 23 10.9–1.0 10N–5.0 127E–7.0 37–10 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 12 15 08 24.3–1.8 10.72N–.05 126.87E–.07 29–13 4.2b,2.6s 62 2-146
IDC IX 12 15 08 20.2–.57 10.57N 126.64E 0 4.1,4.0 **¶601734484**
ISCJB IX 12 15 08 24.0–1.2 10.70N–.04 126.84E–.06 38–10 4.1b,2.6s
NEIC IX 12 15 08 24.3–4.4 10.57N 126.64E 29–31 4.5b,2.6s
MAN IX 12 15 08 25.5 10.90N 126.71E 66 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=12.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.0km az=176.2.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=7.0km az=76.0.
ISC IX 12 16 28 08.8–.58 20.32N–.04 121.44E–.07 43 4.2b,3.3s 81 2-82
NIED IX 12 16 28 00 20.70N 121.50E 50 4.0W,3.3s **¶601712963**
NEIC IX 12 16 28 06.5–1.7 20.23N 121.49E 24–13 4.4b,3.3s
ISCJB IX 12 16 28 07.1–.23 20.31N–.02 121.54E–.04 43 4.1b,3.3s
IDC IX 12 16 28 08.5–4.7 20.30N 121.57E 39–47 4.1,4.0
MAN IX 12 16 28 10.4 20.14N 121.39E 61 5.0b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s308.00000°,δ75.00000°,λ-14.00000°. NP2:ϕ_s42.00000°,δ77.00000°,λ-165.00000°. $M_0$1.31000×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.3km az=17.1.
IDC Error ellipse: s-maj=31.0km s-min=13.3km az=65.0.
ISC IX 12 18 11 14.7–1.7 10.28N–.04 126.53E–.06 8–10 3.4b 27 1-86
IDC IX 12 18 11 13.6–1.1 10.32N 126.46E 0 3.7,3.5 **¶601863426**
MAN IX 12 18 11 17.1 10.27N 126.43E 1 4.9b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=59.1km s-min=17.2km az=67.0.
ISC IX 13 03 20 29.6–.85 10.25N–.04 126.68E–.10 20–8 4.3b 86 2-146
ISCJB IX 13 03 20 26.0–1.7 10.28N–.03 126.80E–.04 7–11 4.3b,3.1s **¶601851676**
MAN IX 13 03 20 26.4 10.35N 126.97E 61 5.2b,4.4s
NEIC IX 13 03 20 30.6–2.5 10.19N 126.46E 27–18 4.6b,4.4s
IDC IX 13 03 20 31.6–5.1 10.25N 126.54E 32–38 4.2,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.4km az=163.3.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=5.4km az=81.0.
IDC Error ellipse: s-maj=29.5km s-min=11.0km az=86.0.
ISC IX 13 05 41 15.9–1.6 10.51N–.03 126.24E–.05 7–10 4.2b 57 1-90
NEIC IX 13 05 41 16.2–.55 10.69N 126.07E 35 4.5b **¶601751659**
MAN IX 13 05 41 19.6 10.55N 126.14E 15 5.0b,4.0s
IDC IX 13 05 41 31.2–2.0 10.46N 126.10E 140–20 4.1,3.8
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=27.1km s-min=8.6km az=82.0. Felt [II PIVS] at Surigao, Mindanao.
IDC Error ellipse: s-maj=20.1km s-min=10.3km az=74.0.
ISC IX 13 05 54 49.0–.48 10.24N–.03 127.04E–.03 24–3 5.4b,4.2s 1010 2-173
BJI IX 13 05 54 42.8 9.83N 127.22E 23 5.3b,5.2b **¶601712536**
ISCJB IX 13 05 54 44.3–.68 10.33N–.02 127.02E–.02 1–4 5.4b,4.2s
IDC IX 13 05 54 45.4–.29 10.23N 126.96E 0 5.3,5.3
MAN IX 13 05 54 47.7 10.47N 127.12E 37 5.6b,5.1s
MOS IX 13 05 54 48.6–1.1 10.30N 126.94E 31 5.6b,4.3s
NEIC IX 13 05 54 49.0–.99 10.24N 126.94E 23–7 5.4b,4.3s
GCMT IX 13 05 54 49.0–.20 10.34N–.01 127.07E–.01 12 5.1W,4.3s
DJA IX 13 05 54 52.4–.40 10N–2.0 127E–2.0 45–3 5.9,5.7b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Surigao, Mindanao.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c82; s101,c168;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.07±.12 $M_{\theta\theta}$1.12±.10; $M_{\phi\phi}$3.95±.11; $M_{r\theta}$1.55±.36; $M_{\theta\phi}$-3.78±.09; $M_{\phi r}$0.58±.31; Best double couple: NP1:ϕ_s306.00000°,δ51.00000°,λ-118.00000°. NP2:ϕ_s165.00000°,δ47.00000°,λ-61.00000°. Principal axes: T 6.5860,Plg2.0000° ,Azm55.0000°; N -0.8870,Plg21.0000°,Azm324.0000°; P -5.6980,Plg69.0000° ,Azm151.0000° $M_0$6.14200×10^{16}
ISC IX 13 06 52 04.5–2.6 10.32N–.04 126.52E–.07 5–16 3.9b 29 2-146
IDC IX 13 06 52 04.1–.78 10.34N 126.42E 0 4.1,3.9b **¶601863457**
MAN IX 13 06 52 07.2 10.39N 126.50E 15 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=16.3km az=74.0.
ISC IX 13 09 02 39.5–2.2 10.64N–.05 126.75E–.07 1–13 4.3b 64 2-146
IDC IX 13 09 02 39.5–.57 10.54N 126.63E 0 4.2,4.2 **¶601852850**
ISCJB IX 13 09 02 40.8–2.1 10.71N–.03 126.87E–.04 21–15 4.3b,4.2
MAN IX 13 09 02 41.9 10.78N 126.85E 25 4.9b,3.8L
NEIC IX 13 09 02 46.1–1.2 10.55N 126.72E 47–12 4.6b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=12.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.6km az=162.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.0km az=79.0.
ISC IX 13 12 10 01.0–3.7 10.41N–.04 126.90E–.08 6–23 4.0b 28 2-146
IDC IX 13 12 10 00.3–.72 10.37N 126.89E 0 4.0,3.9b **¶601863462**
MAN IX 13 12 10 02.8 10.53N 126.93E 65 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=47.1km s-min=15.2km az=77.0.
ISC IX 13 17 12 48.3–1.1 10.35N–.05 126.63E–.10 35 3.8b 21 2-84
IDC IX 13 17 12 42.5–1.4 10.53N 126.85E 0 3.9,3.8 **¶601826683**
MAN IX 13 17 12 44.4 10.37N 126.56E 1 4.6b,3.5L
ISCJB IX 13 17 12 46.0–.71 10.39N–.04 126.72E–.06 35 3.8b,3.5L
NEIC IX 13 17 12 47.8–.77 10.50N 126.80E 35 4.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=62.7km s-min=18.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.1km az=169.0.
NEIC Event type se. Error ellipse: s-maj=34.5km s-min=10.2km az=71.0.
ISC IX 14 08 55 36.0–1.6 10.12N–.03 126.43E–.05 15–9 4.2b 69 1-146
IDC IX 14 08 55 33.1–.67 10.10N 126.37E 0 4.1,4.0 **¶601739611**
MAN IX 14 08 55 35.8 10.27N 126.53E 11 5.1b,4.2s
NEIC IX 14 08 55 38.6–.33 10.08N 126.29E 35 4.5b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=15.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.0km az=78.0.
ISC IX 14 13 55 18.3–1.3 10.59N–.06 126.81E–.09 20 3.6b 15 2-56
IDC IX 14 13 55 15.8–3.1 10.33N 126.56E 0 3.6,3.5b **¶601863527**
ISCJB IX 14 13 55 16.1–.96 10.63N–.06 126.95E–.07 20 3.6b,2.6s
MAN IX 14 13 55 18.1 10.66N 126.87E 24 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=257.2km s-min=21.4km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=8.3km az=171.2.
ISC IX 14 14 50 01.4–2.5 10.23N–.05 126.5E–.10 16–15 3.2b 13 1-52
IDC IX 14 14 50 01.4–3.3 9.53N 125.07E 0 3.4,3.3 **¶601863530**
MAN IX 14 14 50 03.7 10.25N 126.57E 51 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=284.8km s-min=29.6km az=65.0.
IDC IX 14 19 21 24.7–3.4 11.33N 127.97E 0 3.7,3.6
¶601863546
IDC Error ellipse: s-maj=198.3km s-min=26.7km az=69.0.
ISC IX 14 20 56 38.7–.76 10.93N–.10 127.07E–.08 10 3.6b 17 2-90
ISCJB IX 14 20 56 37.2–.67 10.9N–.10 127.1E–.10 10 3.6b **¶601863555**
IDC IX 14 20 56 37.2–.80 11.02N 127.23E 0 3.8,3.7
MAN IX 14 20 57 00.3 11.56N 125.02E 162 4.6b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=10.9km az=138.6.
IDC Error ellipse: s-maj=40.4km s-min=16.6km az=68.0.
ISC IX 15 06 50 36.4–.40 10.82N–.05 126.67E–.06 37 4.2b 72 2-152
IDC IX 15 06 50 30.6–.53 10.79N 126.64E 0 4.2,4.1 **¶601739615**
ISCJB IX 15 06 50 34.5–.30 10.83N–.04 126.70E–.04 37 4.2b,4.1
NEIC IX 15 06 50 36.6–2.3 10.80N 126.60E 38–21 4.5b,4.1
MAN IX 15 06 50 39.4 10.66N 126.26E 20 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=12.4km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.3km az=2.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=76.0.
IDC IX 15 09 45 06.7–4.2 10.31N 126.70E 0 3.5,3.4
¶601863581
IDC Error ellipse: s-maj=327.5km s-min=27.5km az=66.0.
ISC IX 15 20 53 56.8–.84 10.8N–.10 127.8E–.30 35 4.4b 19 15-96
IDC IX 15 20 53 52.2–1.5 10.65N 127.36E 0 4.0,3.9 **¶601851689**
ISCJB IX 15 20 53 55.1–.70 10.7N–.10 127.7E–.30 35 4.2b,3.9
NEIC IX 15 20 53 56.9–.54 10.78N 127.76E 35 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=98.7km s-min=20.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=40.7km s-min=9.7km az=161.2.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=7.8km az=72.0.
ISC IX 16 00 05 11.3–.00 10.58N–.06 126.81E–.09 20 4.1b 15 2-86
ISCJB IX 16 00 05 08.9–.80 10.53N–.07 126.98E–.07 20 3.9b,3.1s **¶601863623**
MAN IX 16 00 05 16.3 10.63N 126.47E 24 4.1b,2.9L
IDC IX 16 00 05 23.5–17 10.26N 126.83E 136–155 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.8km az=137.4.
IDC Error ellipse: s-maj=123.7km s-min=25.8km az=61.0.
MAN IX 16 07 40 06.8 19.00N 121.30E 15 4.4b,3.3L
¶604684377
ISC IX 16 09 20 12.3–2.1 10.74N–.05 126.8E–.10 45–23 3.7b,3.0s 25 2-78
IDC IX 16 09 20 06.9–2.8 10.52N 126.60E 0 3.8,3.6b **¶601863642**
ISCJB IX 16 09 20 10.8–1.2 10.73N–.04 126.87E–.08 53–14 3.6b,3.2s
MAN IX 16 09 20 11.1 10.73N 126.82E 30 5.1b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=216.8km s-min=25.4km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.2km az=170.6.
MAN IX 16 18 53 51.9 13.44N 119.30E 32 4.6b,3.5L
¶604684385
ISC IX 16 21 46 19.3–.57 10.66N–.03 126.82E–.04 46–5 5.2b,4.1s 560 2-170
BJI IX 16 21 46 14.3 10.23N 126.93E 46 5.5b,5.2b **¶601718044**
MAN IX 16 21 46 15.0 10.74N 126.90E 40 5.5b,4.8s
GCMT IX 16 21 46 15.9–.20 10.70N–.02 126.93E–.01 13–0 5.0W,4.8s
ISCJB IX 16 21 46 16.5–.48 10.67N–.02 126.79E–.03 35–4 5.1b,4.2s
MOS IX 16 21 46 16.2–1.0 10.64N 126.71E 33 5.5b,4.2s
IDC IX 16 21 46 18.3–2.9 10.60N 126.69E 39–25 4.9,4.8L
NEIC IX 16 21 46 18.9–.56 10.62N 126.72E 43–5 5.3b,4.8L
DJA IX 16 21 46 18.4–1.2 11N–7.0 127E–7.0 47–9 5.9,5.4b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s97,c150;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.22±.16 $M_{\theta\theta}$-0.12±.09; $M_{\phi\phi}$3.34±.12; $M_{r\theta}$-0.11±.28; $M_{\theta\phi}$0.08±.07; $M_{\phi r}$-0.92±.23; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ-88.00000°. NP2:ϕ_s180.00000°,δ37.00000°,λ-92.00000°. Principal axes: T 3.4680,Plg8.0000° ,Azm92.0000°; N -0.1180,Plg2.0000°,Azm182.0000°; P -3.3480,Plg82.0000°,Azm283.0000° $M_0$3.40800×10^{16}
ISCJB Event type se.
NEIC Event type se.
ISC IX 16 22 09 12.5–1.2 10.59N–.04 126.73E–.07 51–10 4.6b,4.4s 165 1-146
IDC IX 16 22 09 05.1–.52 10.57N 126.71E 0 4.3,4.2b **¶601721508**
MOS IX 16 22 09 08.4–.88 10.56N 126.80E 33 4.9b,4.2b
MAN IX 16 22 09 09.0 10.68N 126.76E 19 4.9b,3.9s
ISCJB IX 16 22 09 09.4–.94 10.57N–.03 126.85E–.05 41–8 4.5b,4.2s
NEIC IX 16 22 09 10.7–2.1 10.54N 126.79E 39–19 4.7b,4.2s
BJI IX 16 22 09 11.3 10.23N 126.70E 70 5.2b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=11.5km az=75.0.
MOS Error ellipse: s-maj=20.6km s-min=7.3km az=123.2.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=159.7.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.1km az=67.0.
ISC IX 17 00 14 27.5–3.5 10.45N–.05 126.69E–.07 16–21 4.2b 29 1-121
IDC IX 17 00 14 25.0–1.8 10.60N 127.19E 0 4.1,4.0 **¶601738697**
ISCJB IX 17 00 14 27.7–1.4 10.42N–.04 126.85E–.09 33–13 4.1b,4.0
NEIC IX 17 00 14 30.2–.38 10.61N 127.13E 35 4.1b,4.0
MAN IX 17 00 14 32.3 10.36N 126.43E 25 4.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=143.1km s-min=20.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.4km az=174.7.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.2km az=73.0.
MAN IX 17 06 00 45.1 10.38N 126.28E 78 4.0b,2.8L
¶604684393
IDC IX 17 09 50 19.3–2.9 10.34N 127.19E 0 3.7,3.6
¶601863705
IDC Error ellipse: s-maj=223.8km s-min=23.9km az=65.0.
ISC IX 17 10 36 01.2–3.5 10.34N–.05 126.92E–.09 8–21 4.3b 47 2-146
ISCJB IX 17 10 36 00.4–2.4 10.34N–.04 127.01E–.05 17–17 4.2b **¶601863706**
IDC IX 17 10 36 00.6–.98 10.15N 126.48E 0 4.2,4.1
MAN IX 17 10 36 01.6 10.36N 127.05E 30 4.7b,3.6L
NEIC IX 17 10 36 05.9–.49 9.91N 126.02E 35 4.4b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=7.5km az=170.7.
IDC Error ellipse: s-maj=110.1km s-min=15.8km az=67.0.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=6.7km az=73.0.
ISC IX 17 18 27 24.3–2.3 10.73N–.04 126.83E–.07 8–14 4.2b 58 2-146
IDC IX 17 18 27 22.6–.55 10.68N 126.91E 0 4.3,4.2 **¶601721533**
ISCJB IX 17 18 27 23.9–2.0 10.71N–.04 126.87E–.05 15–14 4.2b,3.6s
BJI IX 17 18 27 24.0 10.80N 127.00E 30 4.8b,4.6b
NEIC IX 17 18 27 27.1–6.2 10.67N 126.92E 30–43 4.4b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=13.1km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.0km az=179.9.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=8.3km az=69.0.
ISC IX 17 19 09 14.7–3.5 10.77N–.04 126.89E–.07 26–25 4.6b 71 2-146
DJA IX 17 19 09 10.9–1.0 11N–9.0 127E–9.0 10 5.0b,4.7b **¶601721781**
IDC IX 17 19 09 10.8–.60 10.70N 126.95E 0 4.5,4.5b
ISCJB IX 17 19 09 13.1–1.6 10.72N–.03 126.90E–.04 28–12 4.5b,4.5b
NEIC IX 17 19 09 15.7–.52 10.75N 127.05E 35 4.1b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=11.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=163.3.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=8.4km az=78.0.
ISC IX 17 23 51 06.1–2.3 10.66N–.05 126.65E–.09 15–13 4.0b 20 1-86
IDC IX 17 23 51 03.8–1.7 10.60N 126.90E 0 4.0,3.9 **¶601863734**
MAN IX 17 23 51 08.5 10.89N 126.72E 24 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=172.4km s-min=20.7km az=67.0.
ISC IX 18 01 06 48.2–.58 11.28N–.06 126.72E–.08 35 4.2b 42 1-91
IDC IX 18 01 06 43.5–1.2 11.28N 126.81E 0 4.1,4.0 **¶601863742**
ISCJB IX 18 01 06 46.4–.37 11.24N–.04 126.75E–.05 33 4.3b,4.0
MAN IX 18 01 06 48.3 11.27N 126.55E 35 4.3b,3.1L
NEIC IX 18 01 06 48.4–.23 11.31N 127.01E 35 4.4b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=102.3km s-min=16.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=139.4.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=4.6km az=71.0.
IDC IX 18 02 35 58.3–2.4 10.74N 127.28E 0 3.8,3.7
¶601863744

IDC Error ellipse: s-maj=210.8km s-min=25.0km az=68.0.
MAN IX 18 06 39 12.8 10.33N 126.44E 1 4.3b,3.2L
¶604684410
ISC IX 18 21 42 05.5–2.5 11.55N–.07 126.54E–.09 24–17 3.5b 21 1-85
IDC IX 18 21 42 02.1–1.1 11.33N 126.38E 0 3.7,3.6 **¶601863778**
ISCJB IX 18 21 42 05.4–1.7 11.50N–.07 126.50E–.10 37–16 3.6s,3.5b
MAN IX 18 21 42 05.4 11.55N 126.45E 32 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=18.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=9.7km az=156.9.
ISC IX 18 22 22 23.0–2.3 11.49N–.05 126.60E–.07 14–14 3.9b 34 1-147
IDC IX 18 22 22 20.9–.72 11.45N 126.59E 0 4.0,3.9 **¶601863783**
MAN IX 18 22 22 24.7 11.64N 126.56E 33 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=15.8km az=79.0.
ISC IX 19 03 52 33.9–1.1 11.63N–.10 126.5E–.10 40 3.6b 11 1-78
IDC IX 19 03 52 28.4–1.1 11.43N 126.69E 0 3.9,3.6 **¶601863804**
MAN IX 19 03 52 30.2 11.83N 126.55E 35 4.7b,3.6L
ISCJB IX 19 03 52 31.8–.96 11.53N–.10 126.56E–.07 40 3.6b,2.6s
ISC Event type ke.
ISCJB Event type ke.
MAN IX 19 04 52 41.0 17.33N 119.99E 31 4.0b,2.8L
¶604684423
ISC IX 20 05 05 34.5–1.2 10.83N–.09 126.81E–.09 10 3.7b 13 2-90
IDC IX 20 05 05 32.5–1.6 10.52N 126.76E 0 3.9,3.7 **¶601863867**
MAN IX 20 05 05 37.3 10.80N 126.68E 6 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=75.6km s-min=21.1km az=59.0.
ISC IX 20 12 42 38.9–.59 10.39N–.03 126.48E–.06 45–5 4.4b,3.9s 172 1-146
BJI IX 20 12 42 35.6 10.08N 126.44E 43 4.9b,4.7b **¶601734530**
NEIC IX 20 12 42 37.8–.19 10.37N 126.32E 35 4.6b,4.7b
MAN IX 20 12 42 37.0 10.41N 126.50E 31 5.1b,4.3s
ISCJB IX 20 12 42 38.4–.61 10.37N–.02 126.42E–.05 56–5 4.4b,3.9s
IDC IX 20 12 42 41.3–2.1 10.34N 126.36E 70–19 4.4,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.7km az=165.7.
IDC Error ellipse: s-maj=17.8km s-min=8.8km az=82.0.
ISC IX 20 14 16 29.3–2.2 10.35N–.09 126.5E–.20 44 8 1-52
MAN IX 20 14 16 25.2 10.23N 126.41E 125 4.6b,3.5L **¶604684436**
ISC Event type ke.
ISC IX 20 14 23 32.5–3.8 10.87N–.05 126.80E–.07 10–23 3.9b,2.8s 32 2-86
IDC IX 20 14 23 30.7–.77 10.73N 126.81E 0 3.9,3.8b **¶601863898**
MAN IX 20 14 23 34.1 10.86N 126.75E 79 5.1b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=17.6km az=72.0.
ISC IX 20 16 32 41.0–.92 10.73N–.03 127.03E–.05 19–4 4.7b,3.1s 242 2-126
BJI IX 20 16 32 36.5 10.16N 127.23E 29 4.8b,4.5b **¶601734983**
IDC IX 20 16 32 38.2–.48 10.69N 126.90E 0 4.3,4.2
ISCJB IX 20 16 32 38.8–1.1 10.70N–.02 127.00E–.02 15–6 4.7b,3.4s
MOS IX 20 16 32 40.9–1.1 10.68N 126.99E 33 4.9b,3.4s
NEIC IX 20 16 32 41.4–1.8 10.66N 126.95E 22–13 4.9b,3.4s
MAN IX 20 16 32 42.0 10.75N 126.90E 44 5.0b,4.1s
DJA IX 20 16 32 43.6–1.4 11N–5.0 127E–8.0 28–11 5.4b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 20 18 43 18.5–1.1 19.34N–.07 122.27E–.10 10 3.4b 19 1-87
IDC IX 20 18 43 16.5–1.3 19.35N 122.42E 0 3.7,3.5 **¶601863905**
MAN IX 20 18 43 27.7 19.24N 121.70E 61 4.8b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=23.6km az=58.0.
ISC IX 20 19 57 30.2–2.1 10.88N–.03 126.69E–.06 13–13 4.4b,3.2s 82 1-147
IDC IX 20 19 57 27.8–.43 10.81N 126.64E 0 4.3,4.3 **¶601735536**
ISCJB IX 20 19 57 30.7–1.4 10.86N–.03 126.75E–.03 32–10 4.3b,3.2s
MAN IX 20 19 57 30.8 10.91N 126.74E 31 5.3b,4.6s
NEIC IX 20 19 57 34.0–1.5 10.84N 126.77E 44–14 4.5b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=9.8km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=171.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=81.0.
ISC IX 21 00 12 52.7–.96 10.31N–.06 126.6E–.10 44 3.9b 17 1-86
IDC IX 21 00 12 46.6–1.6 10.41N 126.68E 0 3.9,3.8 **¶601863929**
ISCJB IX 21 00 12 50.8–.69 10.32N–.06 126.61E–.06 44 3.9b,3.8
MAN IX 21 00 12 50.1 10.32N 126.61E 25 5.2b,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=179.6km s-min=17.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=8.2km az=147.2.
ISC IX 21 02 18 16.1–2.2 10.71N–.05 126.53E–.08 4–13 4.2b 40 1-97
IDC IX 21 02 18 15.9–.80 10.60N 126.49E 0 4.3,4.2 **¶601767264**
ISCJB IX 21 02 18 17.7–1.8 10.86N–.03 126.69E–.05 22–13 4.2b,4.2
MAN IX 21 02 18 18.7 10.90N 126.65E 74 5.4b,4.7s
NEIC IX 21 02 18 21.1–.41 10.58N 126.49E 35 4.6b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=16.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.6km az=177.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=8.6km az=67.0.
ISC IX 21 03 20 31.2–2.0 10.68N–.05 126.85E–.07 5–12 4.2b 46 2-152
IDC IX 21 03 20 30.5–.62 10.65N 126.85E 0 4.2,4.1b **¶601768520**
ISCJB IX 21 03 20 32.5–2.0 10.70N–.04 126.86E–.04 24–14 4.1b,3.9s
MAN IX 21 03 20 33.9 10.72N 126.82E 39 5.0b,4.1s
NEIC IX 21 03 20 35.7–.32 10.65N 126.88E 35 4.3b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=12.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=6.3km az=7.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=6.9km az=75.0.
ISC IX 21 03 22 58.1–1.1 10.72N–.04 126.83E–.06 25–7 4.5b 86 2-154
IDC IX 21 03 22 54.1–.43 10.68N 126.81E 0 4.6,4.5 **¶601768521**
ISCJB IX 21 03 22 55.0–1.6 10.71N–.03 126.86E–.04 16–11 4.5b,4.5
MAN IX 21 03 22 56.4 10.80N 126.83E 23 5.3b,4.5s
NEIC IX 21 03 22 58.6–2.6 10.67N 126.84E 30–18 4.5b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=10.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=174.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.7km az=74.0.
MAN IX 21 17 11 51.7 10.11N 126.59E 9 5.0b,4.1s
¶604684446
ISC IX 22 00 14 10.1–2.0 10.48N–.05 126.73E–.09 23–14 4.2b,2.8s 35 2-146
IDC IX 22 00 14 06.7–.59 10.41N 126.69E 0 4.2,4.1b **¶601777927**
ISCJB IX 22 00 14 10.6–1.6 10.45N–.05 126.77E–.09 41–15 4.0b,2.9s
MAN IX 22 00 14 11.6 10.52N 126.55E 9 4.6b,3.5L
NEIC IX 22 00 14 11.8–.36 10.39N 126.69E 35 4.4b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=13.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.1km az=167.3.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=7.7km az=73.0.
ISC IX 22 11 45 29.9–1.0 10.53N–.05 126.95E–.08 20 3.7b 19 2-62
IDC IX 22 11 45 26.8–1.1 10.39N 126.97E 0 3.8,3.7 **¶601736793**
ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=18.9km az=72.0.
ISC IX 22 11 45 35.8–.40 10.43N–.04 126.95E–.07 20 4.6b 92 2-146
IDC IX 22 11 45 32.6–.49 10.39N 126.86E 0 4.4,4.3 **¶601863988**
ISCJB IX 22 11 45 33.8–.25 10.38N–.03 126.95E–.04 20 4.5b,3.8s
BJI IX 22 11 45 34.1 10.29N 127.06E 28 4.9b,4.7b
MAN IX 22 11 45 36.5 10.62N 126.88E 79 5.1b,4.3s
NEIC IX 22 11 45 36.4–1.9 10.39N 126.92E 25–13 4.7b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=10.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=159.8.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.6km az=81.0.
ISC IX 22 19 09 52.2–1.7 10.43N–.04 126.91E–.06 23–12 4.6b,3.1s 134 2-146
IDC IX 22 19 09 48.5–.48 10.38N 126.85E 0 4.4,4.3 **¶601737028**
MAN IX 22 19 09 51.5 10.48N 126.87E 18 5.1b,4.3s
ISCJB IX 22 19 09 52.0–.75 10.39N–.03 126.95E–.04 37–7 4.6b,3.2s
NEIC IX 22 19 09 53.6–.18 10.36N 126.92E 35 4.8b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=10.9km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=164.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=82.0.
MAN IX 22 19 51 14.7 8.65N 127.72E 6 4.4b,3.3L
¶604684459
ISC IX 22 21 42 49.6–.66 10.27N–.07 126.9E–.10 20 3.8b 25 2-146
IDC IX 22 21 42 46.5–.67 10.25N 126.91E 0 4.0,3.9 **¶601777929**
ISCJB IX 22 21 42 47.5–.57 10.27N–.07 127.09E–.09 20 3.8b,3.9
NEIC IX 22 21 42 51.7–.41 10.22N 126.88E 35 4.3b,3.9
MAN IX 22 21 42 53.6 10.39N 126.60E 10 4.1b,2.9L
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=14.1km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.9km az=161.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=7.6km az=79.0.
ISC IX 22 21 47 38.9–.64 10.44N–.06 126.80E–.08 20 4.1b,3.0s 33 2-146
MAN IX 22 21 47 33.7 10.81N 126.91E 15 4.5b,3.4L **¶601777930**
IDC IX 22 21 47 35.6–.62 10.38N 126.92E 0 4.2,4.1b
ISCJB IX 22 21 47 36.6–.47 10.39N–.05 126.99E–.06 20 4.0b,3.0s
NEIC IX 22 21 47 41.2–2.0 10.38N 126.98E 41–18 4.3b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=13.0km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=25.1.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.2km az=81.0.
ISC IX 22 21 57 18.1–.75 10.3N–.10 127.1E–.20 20 3.9b 21 4-121
IDC IX 22 21 57 14.9–.77 10.28N 127.05E 0 4.0,3.9b **¶601777931**
ISCJB IX 22 21 57 16.0–.56 10.26N–.08 127.0E–.20 20 3.9b,2.4s
NEIC IX 22 21 57 20.1–.39 10.27N 127.06E 35 4.2b,2.4s
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=15.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=10.2km az=169.7.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=7.4km az=78.0.
ISC IX 23 05 12 53.0–.47 10.23N–.05 126.60E–.08 42 4.3b 64 2-146
IDC IX 23 05 12 47.0–.57 10.14N 126.45E 0 4.1,4.0b **¶601864024**
MAN IX 23 05 12 49.8 10.28N 126.63E 14 4.9b,3.9L
ISCJB IX 23 05 12 51.1–.32 10.22N–.04 126.67E–.05 42 4.4b,3.9L
NEIC IX 23 05 12 52.0–.24 10.11N 126.36E 35 4.5b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=13.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.3km az=177.3.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=5.2km az=80.0.
ISC IX 23 06 53 40.7–.65 20.83N–.07 121.4E–.10 60 3.7b 32 4-158
NIED IX 23 06 53 00 21.00N 121.40E 8 4.0W **¶601864031**
IDC IX 23 06 53 33.1–.62 20.84N 121.44E 0 4.0,3.9
JMA IX 23 06 53 37.7–.40 21.00N 121.37E 0 4.1,3.9
ISCJB IX 23 06 53 39.0–.51 20.79N–.05 121.41E–.08 60 3.8b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ15.00000°,λ117.00000°. NP2:ϕ_s138.00000°,δ76.00000°,λ83.00000°. $M_0$1.09000×10^{15}
ISCJB Event type ke.
IDC IX 23 07 48 27.6–3.8 10.26N 126.02E 0 3.6,3.4
¶601864034
IDC Error ellipse: s-maj=313.9km s-min=28.2km az=65.0.
ISC IX 23 15 23 49.7–2.3 10.71N–.04 126.78E–.07 24–16 4.3b 70 2-146
IDC IX 23 15 23 45.8–.55 10.62N 126.81E 0 4.2,4.1 **¶601737063**
MAN IX 23 15 23 47.7 10.82N 126.95E 24 5.1b,4.3s
ISCJB IX 23 15 23 49.3–1.1 10.70N–.04 126.91E–.06 35–9 4.3b,3.2s
NEIC IX 23 15 23 51.1–.28 10.62N 126.70E 35 4.6b,3.2s
BJI IX 23 15 23 51.1 10.89N 126.62E 23 4.8b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=13.1km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=162.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.1km az=80.0.
ISC IX 23 17 45 05.0–1.7 15.26N–.03 122.82E–.06 4–11 3.3b 35 1-80
IDC IX 23 17 45 03.6–1.1 15.19N 123.13E 0 4.4L,3.5 **¶601864047**
MAN IX 23 17 45 05.8 15.25N 123.03E 26 5.1b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=19.7km az=65.0.
ISC IX 23 23 22 29.5–2.6 13.79N–.07 125.26E–.09 26–18 3.8b 21 1-150
ISCJB IX 23 23 22 28.8–1.7 13.75N–.06 125.25E–.07 20–11 3.8b,2.4s **¶601864060**
MAN IX 23 23 22 29.8 13.78N 125.27E 33 4.6b,3.5L
IDC IX 23 23 22 30.8–.86 12.77N 123.97E 0 4.5L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=7.9km az=143.4.
IDC Error ellipse: s-maj=43.0km s-min=16.0km az=67.0.
IDC IX 24 02 43 16.1–1.4 10.05N 126.64E 0 4.0,3.9
¶601864070
IDC Error ellipse: s-maj=153.7km s-min=17.9km az=68.0.
ISC IX 24 02 46 11.5–.67 10.27N–.03 126.85E–.05 28–4 4.9b,3.9s 273 1-170
IDC IX 24 02 46 07.0–.42 10.13N 126.65E 0 4.6,4.5 **¶601738431**
DJA IX 24 02 46 06.0–1.0 11N–8.0 127E–9.0 10 5.6b,5.1
BJI IX 24 02 46 08.0 9.83N 126.86E 32 5.0b,4.8b
ISCJB IX 24 02 46 09.9–1.1 10.22N–.02 126.89E–.03 29–7 4.7b,3.9s
MOS IX 24 02 46 10.1–.96 10.15N 126.73E 30 5.1b,3.9s
MAN IX 24 02 46 10.0 10.35N 126.85E 19 5.0b,4.0s
NEIC IX 24 02 46 12.4–.20 10.14N 126.72E 35 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=9.5km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=158.2.
MOS Error ellipse: s-maj=15.8km s-min=5.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=3.9km az=68.0.
IDC IX 24 04 49 42.1–1.6 10.51N 126.39E 0 3.9,3.8
¶601864076
IDC Error ellipse: s-maj=186.5km s-min=20.1km az=66.0.
ISC IX 24 08 57 51.4–.00 10.6N–.10 126.80E–.09 20 4.1b 13 2-93
ISCJB IX 24 08 57 49.0–.85 10.62N–.09 126.98E–.08 20 4.0b,3.2s **¶601864086**
IDC IX 24 08 57 48.2–1.7 10.58N 126.87E 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=11.5km az=176.8.
IDC Error ellipse: s-maj=171.9km s-min=17.4km az=65.0.
ISC IX 24 11 35 27.3–1.3 15.50N–.04 122.92E–.06 46–22 3.3b 25 1-46
MAN IX 24 11 35 25.9 15.48N 122.97E 56 4.5b,3.4L **¶601864094**
ISCJB IX 24 11 35 26.0–.69 15.50N–.03 123.04E–.07 53–14 3.3b,3.4L
IDC IX 24 11 35 26.4–1.6 14.84N 123.19E 0 4.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=4.7km az=166.2.
IDC Error ellipse: s-maj=36.9km s-min=24.2km az=45.0.
ISC IX 24 13 57 26.5–1.9 20.1N–.20 121.6E–.60 40 3.6b 6 2-45
IDC IX 24 13 57 19.5–3.4 20.47N 122.28E 0 3.9,3.6 **¶601864097**
ISCJB IX 24 13 57 24.7–1.4 20.1N–.10 121.6E–.50 40 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IX 24 14 04 23.0–1.2 10.3N–.10 126.8E–.10 20 3.6b 8 1-86
IDC IX 24 14 04 19.8–1.5 10.33N 126.83E 0 3.9,3.8 **¶601864098**
ISCJB IX 24 14 04 21.2–.92 10.3N–.10 126.85E–.09 20 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 24 14 29 10.9–.48 10.65N–.06 126.90E–.08 20 4.2b,3.0s 62 2-146
IDC IX 24 14 29 07.7–.56 10.60N 126.82E 0 4.1,4.0 **¶601777939**
ISCJB IX 24 14 29 09.0–.32 10.61N–.04 126.96E–.05 20 4.1b,3.0s
NEIC IX 24 14 29 12.9–.27 10.64N 126.99E 35 4.4b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=12.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=12.8.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.8km az=78.0.
ISC IX 24 16 36 30.5–.86 10.76N–.08 126.8E–.10 35 4.1b 30 2-84
IDC IX 24 16 36 25.2–1.3 10.69N 126.69E 0 4.0,3.9b **¶601777940**

ISCJB	IX	24 16 36 28.0–.52	10.75N–.05	126.87E–.07	33	4.0b,2.6s		
NEIC	IX	24 16 36 30.3–.51	10.77N	126.88E	35	4.3b,2.6s		
ISC		Event type se.						
IDC		Error ellipse: s-maj=56.8km s-min=17.7km az=66.0.						
ISCJB		Event type se. Error ellipse: s-maj=9.7km s-min=7.4km az=169.8.						
NEIC		Event type se. Error ellipse: s-maj=16.6km s-min=6.8km az=71.0.						
ISC	**IX**	**25 07 51 13.3–1.3**	**8.1N–.10**	**127.0E–.10**	**46**	**3.8b**	**9**	**1-54**
IDC	IX	25 07 51 07.1–1.8	8.09N	127.13E	0	4.0,3.8b		¶601864141
ISCJB	IX	25 07 51 11.3–1.1	8.07N–.10	127.08E–.07	46	3.7b,2.9s		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**IX**	**25 10 17 41.8–1.1**	**10.3N–.20**	**126.6E–.10**	**42**	**3.9b**	**9**	**1-90**
IDC	IX	25 10 17 36.0–2.2	10.20N	126.44E	0	3.9,3.7		¶601864147
ISCJB	IX	25 10 17 39.6–1.2	10.3N–.20	126.70E–.09	42	3.7b,3.7		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**IX**	**25 14 38 49.8–.82**	**10.3N–.10**	**126.7E–.10**	**35**	**4.0b**	**23**	**1-146**
IDC	IX	25 14 38 44.3–1.3	10.42N	126.89E	0	4.0,3.9		¶601780632
ISCJB	IX	25 14 38 47.9–.54	10.35N–.07	126.75E–.08	35	4.0b,3.9		
NEIC	IX	25 14 38 49.6–.71	10.43N	126.94E	35	4.0b,3.9		
ISC		Event type se.						
IDC		Error ellipse: s-maj=164.8km s-min=17.0km az=68.0.						
ISCJB		Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=9.7.						
NEIC		Event type se. Error ellipse: s-maj=85.3km s-min=8.6km az=69.0.						
ISC	**IX**	**26 15 04 02.2–2.3**	**15.21N–.04**	**123.07E–.07**	**13–16**	**3.6b**	**30**	**1-63**
IDC	IX	26 15 04 00.1–.96	15.11N	123.14E	0	4.5L,3.7		¶601864212
ISCJB	IX	26 15 04 01.3–1.9	15.25N–.03	123.11E–.07	14–13	3.6b,3.1s		
MAN	IX	26 15 04 02.8	15.20N	122.87E	13	4.8b,3.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=23.2km s-min=18.5km az=83.0.						
ISCJB		Event type ke. Error ellipse: s-maj=10.7km s-min=5.1km az=0.5.						
ISC	**IX**	**26 15 25 42.9–1.7**	**5.7N–.30**	**127.5E–.70**	**10**	**3.8b**	**7**	**9-66**
IDC	IX	26 15 25 41.7–1.4	5.56N	127.25E	0	3.8,3.7		¶601864213
ISC		Event type ke.						
IDC		Error ellipse: s-maj=105.1km s-min=17.4km az=69.0.						
ISC	**IX**	**26 15 27 40.4–.48**	**5.64N–.06**	**127.54E–.07**	**53**	**4.3b,3.5s**	**69**	**2-123**
ISCJB	IX	26 15 27 38.5–.33	5.64N–.04	127.53E–.05	53	4.3b,3.6s		¶601751820
MAN	IX	26 15 27 39.0	5.77N	127.43E	10	5.3b,4.5s		
IDC	IX	26 15 27 40.1–1.7	5.60N	127.40E	50–15	4.1,4.0		
NEIC	IX	26 15 27 41.6–.92	5.65N	127.49E	67–9	4.4b,4.0		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=8.2km s-min=4.8km az=152.5.						
IDC		Error ellipse: s-maj=23.6km s-min=11.2km az=70.0.						
NEIC		Event type se. Error ellipse: s-maj=9.7km s-min=5.9km az=61.0.						
MAN	**IX**	**26 17 58 21.9**	**10.21N**	**126.35E**	**1**	**4.6b,3.5L**		
								¶604684476
ISC	**IX**	**26 18 46 00.9–.44**	**5.67N–.05**	**127.49E–.07**	**53**	**4.3b,3.6s**	**76**	**2-123**
BJI	IX	26 18 45 50.2	4.84N	127.84E	33	5.0b,4.6b		¶601741014
ISCJB	IX	26 18 45 58.7–.33	5.63N–.03	127.52E–.05	53	4.3b,3.6s		
IDC	IX	26 18 45 59.5–1.6	5.59N	127.40E	43–14	4.2,4.1		
DJA	IX	26 18 46 00.7–1.3	6N–9.0	128E–10	68–51	4.9b,4.7		
MAN	IX	26 18 46 00.3	5.85N	127.48E	11	5.3b,4.6s		
NEIC	IX	26 18 46 01.3–.99	5.60N	127.41E	60–9	4.4b,4.6s		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=163.4.						
IDC		Error ellipse: s-maj=18.9km s-min=10.4km az=77.0.						
NEIC		Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=68.0.						
ISC	**IX**	**27 03 47 12.1–.67**	**15.16N–.04**	**122.92E–.04**	**32–5**	**4.3b**	**96**	**1-117**
ISCJB	IX	27 03 47 10.9–1.3	15.23N–.03	123.00E–.04	31–10	4.3b,3.7s		¶601864259
MAN	IX	27 03 47 11.5	15.27N	122.90E	22	5.4b,4.6s		
NEIC	IX	27 03 47 12.4–.83	15.13N	123.06E	33–6	4.5b,4.6s		
IDC	IX	27 03 47 12.5–.79	15.12N	122.95E	30–5	5.0L,4.1		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=173.1.						
NEIC		Event type fe. Error ellipse: s-maj=8.3km s-min=5.3km az=76.0. Felt [II PIVS] at Guinayangan, Luzon.						
IDC		Error ellipse: s-maj=21.1km s-min=13.8km az=78.0.						
MAN	**IX**	**27 08 20 47.1**	**10.14N**	**126.45E**	**28**	**4.4b,3.2L**		
								¶604684480
ISC	**IX**	**27 13 44 13.8–1.1**	**11.32N–.07**	**126.7E–.10**	**37**	**3.5b**	**13**	**1-51**
IDC	IX	27 13 44 08.8–1.4	11.13N	126.56E	0	3.7,3.5		¶601864281
ISCJB	IX	27 13 44 11.5–.98	11.31N–.06	126.78E–.08	37	3.5b,3.5		
MAN	IX	27 13 44 12.3	11.30N	126.55E	107	4.3b,3.2L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=150.8km s-min=20.7km az=69.0.						
ISCJB		Event type ke. Error ellipse: s-maj=11.7km s-min=8.3km az=149.8.						
ISC	**IX**	**27 22 01 07.1–1.2**	**10.80N–.07**	**126.7E–.10**	**35**	**3.8b**	**13**	**2-86**
IDC	IX	27 22 01 01.7–1.8	10.80N	127.00E	0	4.0,3.8		¶601864313
ISCJB	IX	27 22 01 05.0–.89	10.80N–.06	126.81E–.07	33	3.8b,3.4s		
MAN	IX	27 22 01 05.5	10.84N	126.71E	21	4.5b,3.4L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=182.8km s-min=24.2km az=70.0.						
ISCJB		Event type ke. Error ellipse: s-maj=10.8km s-min=7.9km az=138.4.						
ISC	**IX**	**28 00 52 50.3–.58**	**10.38N–.06**	**126.89E–.08**	**20**	**4.1b**	**28**	**2-146**
IDC	IX	28 00 52 47.7–.83	10.36N	126.81E	0	4.1,4.0b		¶601864324
ISCJB	IX	28 00 52 48.4–.43	10.42N–.05	127.01E–.06	20	4.2b,4.0b		
NEIC	IX	28 00 52 52.4–.32	10.41N	127.06E	35	4.5b,4.0b		
MAN	IX	28 00 52 52.5	10.52N	126.81E	43	4.1b,2.9L		
ISC		Event type se.						
IDC		Error ellipse: s-maj=73.2km s-min=16.3km az=72.0.						
ISCJB		Event type se. Error ellipse: s-maj=8.7km s-min=6.9km az=174.1.						
NEIC		Event type se. Error ellipse: s-maj=14.2km s-min=6.5km az=71.0.						
ISC	**IX**	**28 02 10 20.8–2.4**	**10.78N–.05**	**126.82E–.09**	**8–13**	**3.7b**	**20**	**2-90**
IDC	IX	28 02 10 19.9–2.5	10.70N	127.20E	0	4.0,3.8		¶601864326
MAN	IX	28 02 10 26.3	10.83N	126.72E	41	4.6b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=146.2km s-min=28.1km az=69.0.						
ISC	**IX**	**28 10 11 36.4–.98**	**10.63N–.09**	**126.9E–.10**	**35**	**4.0b**	**12**	**2-146**
IDC	IX	28 10 11 32.1–1.7	10.15N	126.17E	0	4.0,3.8b		¶601864350
ISCJB	IX	28 10 11 34.1–.93	10.5N–.10	126.97E–.08	35	3.9b,3.8b		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**IX**	**28 10 14 29.5–.89**	**10.51N–.10**	**126.8E–.10**	**20**	**3.7b**	**14**	**2-146**
IDC	IX	28 10 14 26.5–.87	10.46N	126.89E	0	4.0,3.8b		¶601864352
ISCJB	IX	28 10 14 27.4–.84	10.4N–.10	126.8E–.10	20	3.8b,3.1s		
MAN	IX	28 10 14 29.8	10.65N	126.64E	2	4.8b,3.7L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=69.7km s-min=21.9km az=73.0.						
ISCJB		Event type ke. Error ellipse: s-maj=22.4km s-min=9.5km az=36.3.						
MAN	**IX**	**28 10 55 51.2**	**15.19N**	**122.81E**	**38**	**4.7b,3.6L**		
								¶604684486
ISC	**IX**	**28 17 07 54.6–1.3**	**10.84N–.06**	**126.4E–.10**	**37**	**3.7b**	**18**	**1-56**
ISCJB	IX	28 17 07 51.9–.94	10.86N–.05	126.50E–.07	37	3.6b		¶601864361
IDC	IX	28 17 07 51.6–3.1	10.22N	124.61E	0	3.6,3.5		
MAN	IX	28 17 07 52.8	10.76N	126.29E	12	4.7b,3.6L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=10.3km s-min=6.5km az=0.3.						
IDC		Error ellipse: s-maj=326.5km s-min=25.4km az=67.0.						
MAN	**IX**	**28 19 20 13.4**	**10.79N**	**126.60E**	**14**	**4.3b,3.1L**		
								¶604684489
MAN	**IX**	**28 20 34 59.7**	**10.80N**	**126.78E**	**33**	**4.1b,2.9L**		
								¶604684490
ISC	**IX**	**30 19 55 46.0–.72**	**11.63N–.05**	**126.42E–.08**	**40**	**4.0b**	**47**	**1-86**
MAN	IX	30 19 55 43.5	11.60N	126.43E	27	4.6b,3.5L		¶601857547
ISCJB	IX	30 19 55 44.3–.50	11.61N–.04	126.40E–.05	40	4.0b,3.5L		
IDC	IX	30 19 55 48.7–7.8	11.46N	126.28E	64–77	3.9,3.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=177.2.						
IDC		Error ellipse: s-maj=29.0km s-min=16.1km az=77.0.						
ISC	**X**	**01 23 30 50.5–.70**	**10.75N–.05**	**126.94E–.09**	**21–6**	**4.1b**	**49**	**2-121**
IDC	X	01 23 30 47.4–.81	10.66N	126.91E	0	4.1,4.0		¶601836630
ISCJB	X	01 23 30 50.2–2.2	10.69N–.04	126.96E–.04	31–16	4.0b,4.0		
MAN	X	01 23 30 50.8	10.79N	126.88E	27	4.7b,3.6L		
NEIC	X	01 23 30 51.2–3.4	10.69N	127.02E	26–25	4.3b,3.6L		
ISC		Event type se.						
IDC		Error ellipse: s-maj=59.9km s-min=14.0km az=75.0.						
ISCJB		Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=178.7.						
NEIC		Event type se. Error ellipse: s-maj=22.0km s-min=6.0km az=76.0.						
ISC	**X**	**02 00 19 24.2–.97**	**10.02N–.06**	**126.2E–.20**	**150**	**3.6b**	**16**	**1-120**
ISCJB	X	02 00 19 22.3–.96	10.08N–.09	126.4E–.10	150	3.5b		¶601996744
IDC	X	02 00 19 24.0–11	10.45N	126.89E	164–96	3.8,3.4		
MAN	X	02 00 19 27.6	9.91N	125.22E	174	4.6b,3.4L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=18.9km s-min=10.5km az=155.9.						
IDC		Error ellipse: s-maj=245.0km s-min=19.0km az=67.0.						
ISC	**X**	**02 02 22 25.3–1.2**	**10.5N–.10**	**126.9E–.10**	**44**	**4.0b**	**7**	**2-86**
IDC	X	02 02 22 19.5–2.2	10.41N	126.65E	0	4.0,3.9		¶601996754
ISCJB	X	02 02 22 23.6–1.0	10.5N–.10	126.9E–.10	44	3.9b,3.9		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**X**	**03 00 35 35.7–1.2**	**19.26N–.03**	**121.25E–.08**	**18–5**	**3.6b**	**29**	**1-115**
IDC	X	03 00 35 31.9–.79	19.11N	121.51E	0	3.9,3.7L		¶601996868
MAN	X	03 00 35 37.9	19.29N	121.09E	34	4.8b,3.7L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=31.6km s-min=17.2km az=76.0.						
IDC	**X**	**04 13 29 18.7–2.8**	**10.10N**	**126.23E**	**0**	**3.6,3.4b**		
								¶601997036
IDC		Error ellipse: s-maj=247.6km s-min=27.4km az=66.0.						
ISC	**X**	**05 14 09 34.8–2.7**	**10.73N–.06**	**126.7E–.10**	**25–18**	**3.6b**	**16**	**1-52**
IDC	X	05 14 09 32.7–2.3	10.46N	126.69E	0	3.8,3.6b		¶601997153
MAN	X	05 14 09 37.5	10.75N	126.33E	15	4.9b,3.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=139.3km s-min=26.0km az=67.0.						
ISC	**X**	**05 15 08 06.5–2.5**	**11.40N–.07**	**126.2E–.10**	**10–13**	**3.3b**	**12**	**1-51**
MAN	X	05 15 08 03.6	11.39N	126.43E	54	4.6b,3.5L		¶601997162
ISCJB	X	05 15 08 04.9–2.1	11.47N–.08	126.29E–.08	16–14	3.4b,3.5L		
IDC	X	05 15 08 05.8–4.5	11.26N	125.87E	0	3.5,3.3		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=14.6km s-min=11.4km az=137.7.						
IDC		Error ellipse: s-maj=367.6km s-min=26.9km az=65.0.						
ISC	**X**	**06 08 39 56.2–1.1**	**11.26N–.04**	**126.57E–.05**	**5–6**	**4.5b**	**138**	**1-154**
IDC	X	06 08 39 55.2–.47	11.20N	126.64E	0	4.4,4.3b		¶601792498
BJI	X	06 08 39 58.0	11.20N	126.60E	30	4.8b,4.5b		
MAN	X	06 08 39 59.3	11.45N	126.53E	24	5.0b,4.0L		
NEIC	X	06 08 39 60.0–2.1	11.19N	126.57E	30–14	4.5b,4.0L		
ISC		Event type se.						
IDC		Error ellipse: s-maj=23.8km s-min=11.8km az=75.0.						
NEIC		Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=70.0.						
ISC	**X**	**06 10 10 52.3–.55**	**11.24N–.04**	**126.61E–.08**	**37**	**4.1b**	**56**	**2-147**
IDC	X	06 10 10 47.1–.66	11.16N	126.51E	0	4.2,4.0b		¶601890556
MAN	X	06 10 10 49.6	11.39N	126.60E	24	5.1b,4.1s		
ISCJB	X	06 10 10 50.4–.34	11.20N–.03	126.69E–.04	37	4.2b,4.1s		
NEIC	X	06 10 10 52.1–.23	11.15N	126.51E	35	4.6b,4.1s		
ISC		Event type se.						
IDC		Error ellipse: s-maj=36.4km s-min=13.1km az=72.0.						
ISCJB		Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=11.8.						
NEIC		Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=83.0.						
ISC	**X**	**06 11 51 54.3–2.1**	**10.70N–.06**	**126.65E–.09**	**20–9**	**3.5b**	**15**	**1-52**
IDC	X	06 11 51 51.9–4.3	10.57N	126.56E	0	3.6,3.4		¶601997268
ISCJB	X	06 11 51 54.0–1.7	10.77N–.06	126.85E–.09	36–18	3.5b,3.1s		
MAN	X	06 11 51 56.8	10.88N	126.67E	29	4.7b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=340.5km s-min=27.0km az=66.0.						
ISCJB		Event type ke. Error ellipse: s-maj=15.9km s-min=9.7km az=165.8.						
ISC	**X**	**07 12 34 06.9–.94**	**10.70N–.06**	**126.85E–.08**	**20**	**3.7b**	**19**	**2-86**
IDC	X	07 12 34 03.8–1.9	10.70N	126.96E	0	3.8,3.7		¶601997368
ISCJB	X	07 12 34 04.9–.77	10.73N–.06	127.01E–.06	20	3.7b,3.7		
MAN	X	07 12 34 07.6	10.78N	126.91E	85	4.7b,3.6L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=193.2km s-min=21.2km az=67.0.						
ISCJB		Event type ke. Error ellipse: s-maj=9.2km s-min=7.5km az=42.8.						
IDC	**X**	**07 12 49 43.2–2.4**	**10.13N**	**126.29E**	**0**	**3.6,3.4**		
								¶601997370
IDC		Error ellipse: s-maj=201.2km s-min=26.4km az=65.0.						
ISC	**X**	**07 20 45 00.3–3.8**	**10.76N–.04**	**126.74E–.07**	**4–23**	**4.1b,2.8s**	**34**	**2-146**
IDC	X	07 20 44 59.5–.70	10.54N	126.56E	0	4.0,3.9b		¶601997417
MAN	X	07 20 45 03.3	10.74N	126.66E	16	4.9b,3.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=38.9km s-min=15.5km az=68.0.						
MAN	**X**	**08 06 34 54.3**	**10.82N**	**126.64E**	**33**	**4.8b,3.7L**		
								¶604684577
ISC	**X**	**09 02 00 10.1–1.9**	**11.40N–.04**	**126.17E–.07**	**8–11**	**4.2b**	**54**	**1-147**
ISCJB	X	09 02 00 08.0–2.0	11.43N–.04	126.33E–.05	6–12	4.2b,2.6s		¶601997587
IDC	X	09 02 00 09.5–.83	11.30N	125.99E	0	4.1,4.0b		
NEIC	X	09 02 00 14.9–.38	11.15N	125.65E	35	4.2b,4.0b		
MAN	X	09 02 00 16.1	11.39N	125.80E	6	4.8b,3.7L		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=26.5.						
IDC		Error ellipse: s-maj=54.0km s-min=14.3km az=68.0.						
NEIC		Event type se. Error ellipse: s-maj=23.8km s-min=7.0km az=67.0.						
ISC	**X**	**09 15 01 20.8–.57**	**5.98N–.07**	**127.62E–.09**	**52**	**4.1b**	**41**	**2-90**
IDC	X	09 15 01 14.4–.68	6.06N	127.66E	0	4.1,4.0		¶601839063
MAN	X	09 15 01 17.2	6.32N	127.56E	0	4.6b,3.5L		
ISCJB	X	09 15 01 19.4–.38	5.97N–.06	127.53E–.06	52	4.0b,3.8s		
NEIC	X	09 15 01 22.0–.97	5.98N	127.64E	59–9	4.2b,3.8s		
ISC		Event type se.						
IDC		Error ellipse: s-maj=52.9km s-min=14.4km az=76.0.						
ISCJB		Event type se. Error ellipse: s-maj=10.9km s-min=4.8km az=138.9.						
NEIC		Event type se. Error ellipse: s-maj=16.1km s-min=4.9km az=69.0.						
ISC	**X**	**09 16 11 57.0–.52**	**20.78N–.06**	**122.09E–.06**	**150**	**4.0b**	**76**	**2-98**
ISCJB	X	09 16 11 55.9–.33	20.71N–.04	122.25E–.04	150	4.1b		¶601819777
BJI	X	09 16 11 56.1	20.71N	122.33E	162	4.5b,4.4b		
NEIC	X	09 16 11 57.9–.61	20.76N	122.18E	158–5	4.3b,4.4b		
JMA	X	09 16 12 00.3–.50	20.87N	122.06E	134	3.8,4.4b		
IDC	X	09 16 12 01.9–2.2	20.78N	122.20E	204–23	4.2,3.8		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=5.8km s-min=5.1km az=21.9.						
NEIC		Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=131.0.						
JMA		Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0.						
IDC		Error ellipse: s-maj=13.5km s-min=8.5km az=89.0.						
MAN	**X**	**12 13 26 22.8**	**5.66N**	**127.07E**	**14**	**4.6b,3.5L**		
								¶604684591
ISC	**X**	**13 17 42 22.7–1.1**	**20.8N–.10**	**122.3E–.20**	**35**	**3.4b**	**13**	**4-73**
IDC	X	13 17 42 17.5–1.2	20.81N	122.37E	0	3.6,3.5b		¶601998141
JMA	X	13 17 42 18.5–.40	20.96N	122.13E	0	3.7,3.5b		
ISCJB	X	13 17 42 20.8–.79	20.77N–.07	122.3E–.10	33	3.8s,3.4b		
ISC		Event type ke.						
ISCJB		Event type ke.						
MAN	**X**	**13 19 41 18.9**	**10.70N**	**126.84E**	**49**	**4.6b,3.5L**		
								¶604684599
ISC	**X**	**15 07 38 14.7–.50**	**10.68N–.05**	**126.66E–.08**	**44**	**4.3b**	**67**	**2-146**
IDC	X	15 07 38 08.3–.57	10.59N	126.70E	0	4.2,4.1b		¶601834419
ISCJB	X	15 07 38 12.9–.34	10.67N–.04	126.76E–.05	44	4.2b,3.0s		
MAN	X	15 07 38 12.7	10.70N	126.60E	10	5.0b,3.9L		
NEIC	X	15 07 38 13.6–.34	10.68N	126.92E	36	4.5b,3.9L		
ISC		Event type se.						
IDC		Error ellipse: s-maj=31.3km s-min=13.2km az=73.0.						
ISCJB		Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=152.7.						
NEIC		Event type se. Error ellipse: s-maj=13.3km s-min=6.4km az=75.0.						
ISC	**X**	**16 23 14 49.6–.51**	**10.31N–.05**	**126.58E–.07**	**44**	**4.2b,3.2s**	**40**	**2-121**
IDC	X	16 23 14 43.6–.63	10.25N	126.41E	0	4.2,4.1b		¶601845994
MAN	X	16 23 14 44.1	10.40N	126.80E	99	4.8b,3.8L		

ISCJB X 16 23 14 47.3–.43 10.32N–.04 126.69E–.05 44 4.1b,3.6s
NEIC X 16 23 14 48.7–.26 10.25N 126.38E 35 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=13.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=170.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=75.0.
MAN X 17 10 18 30.5 10.25N 126.48E 6 4.6b,3.5L
¶604684619
IDC X 18 20 25 28.8–14 14.39N 118.91E 0 3.7L,3.6
¶601998841
IDC Error ellipse: s-maj=484.5km s-min=33.1km az=37.0.
IDC X 20 23 55 32.4–2.4 11.10N 126.17E 0 3.7,3.5
¶601999099
IDC Error ellipse: s-maj=223.7km s-min=23.6km az=67.0.
IDC X 22 12 30 26.7–39 9.01N 127.57E 0 3.8,3.6b
¶601999272
IDC Error ellipse: s-maj=678.8km s-min=242.9km az=158.0.
IDC X 22 13 34 08.2–3.8 10.38N 126.44E 0 3.4,3.3
¶601999279
IDC Error ellipse: s-maj=295.9km s-min=29.0km az=65.0.
ISC X 25 22 58 18.8–.64 11.26N–.03 126.23E–.05 44–5 4.8b,4.3s 296 1-165
MAN X 25 22 58 15.2 11.33N 126.30E 28 5.7b,5.0s **¶601848643**
IDC X 25 22 58 15.7–3.8 11.23N 126.14E 21–24 4.7,4.7
MOS X 25 22 58 16.7–1.1 11.18N 126.12E 43 5.1b,4.7
ISCJB X 25 22 58 16.9–.53 11.27N–.02 126.21E–.03 42–4 4.8b,4.3s
BJI X 25 22 58 16.8 11.17N 126.17E 47 5.0b,4.7b
GCMT X 25 22 58 17.6–.40 11.19N–.03 126.27E–.03 26–0 5.0W,4.7b
NEIC X 25 22 58 18.6–.63 11.23N 126.17E 42–6 4.8b,4.7b
DJA X 25 22 58 27.0–1.1 11N–6.0 126E–4.0 152–9 5.3b,4.8b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s62,c80;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.82±.26 $M_{\theta\theta}$-0.70±.14; $M_{\phi\phi}$-3.12±.17; $M_{r\theta}$0.79±.29; $M_{\theta\phi}$0.85±.10; $M_{\phi r}$1.09±.27; Best double couple: NP1:ϕ_s356.00000°,δ53.00000°,λ106.00000°. NP2:ϕ_s151.00000°,δ40.00000°,λ70.00000°. Principal axes: T 4.1600,Plg76.0000° ,Azm318.0000°; N -0.6780,Plg13.0000°,Azm166.0000°; P -3.4810,Plg7.0000°,Azm75.0000° M_o3.82000×10^{16}
NEIC Event type se.
ISC X 26 19 01 55.5–.41 11.17N–.05 126.69E–.07 37 4.3b 81 2-120
ISCJB X 26 19 01 53.7–.27 11.13N–.04 126.62E–.05 37 4.4b,3.3s **¶601852893**
MAN X 26 19 01 55.6 11.38N 126.35E 95 5.0b,4.0L
NEIC X 26 19 01 55.4–1.3 11.11N 126.56E 37–13 4.6b,4.0L
IDC X 26 19 01 58.3–3.5 11.16N 126.54E 59–33 4.3L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=160.7.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.7km az=72.0.
IDC Error ellipse: s-maj=24.1km s-min=10.5km az=77.0.
ISC X 26 20 58 10.9–.44 11.56N–.06 126.40E–.07 40 4.4b 84 1-91
MAN X 26 20 58 07.8 11.62N 126.40E 21 5.1b,4.2s **¶601999769**
ISCJB X 26 20 58 08.8–.26 11.52N–.04 126.41E–.04 40 4.4b,4.2s
NEIC X 26 20 58 11.1–1.4 11.50N 126.35E 44–13 4.5b,4.2s
IDC X 26 20 58 12.2–4.6 11.50N 126.33E 52–45 4.0,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=153.7.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=63.0.
IDC Error ellipse: s-maj=25.5km s-min=11.4km az=81.0.
ISC X 26 21 11 55.8–1.2 10.68N–.03 126.82E–.05 27–8 4.9b,3.8s 372 2-168
BJI X 26 21 11 49.6 10.03N 127.09E 34 5.1b,4.8b **¶601852896**
IDC X 26 21 11 51.3–.38 10.67N 126.80E 0 4.7,4.6
MOS X 26 21 11 55.8–1.1 10.66N 126.82E 44 5.1b,4.6
GCMT X 26 21 11 55.6–.30 10.60N–.03 126.94E–.02 12–1 4.8W,4.6
ISCJB X 26 21 11 55.2–.60 10.70N–.02 126.83E–.03 34–5 4.8b,3.8s
MAN X 26 21 11 55.1 10.70N 126.70E 19 5.6b,4.9s
NEIC X 26 21 11 57.6–.68 10.67N 126.81E 42–6 4.9b,4.9s
DJA X 26 21 11 58.9–.80 11N–5.0 127E–4.0 46–6 5.1b,4.8b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s67,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42±.14 $M_{\theta\theta}$0.11±.07; $M_{\phi\phi}$1.31±.09; $M_{r\theta}$-1.05±.28; $M_{\theta\phi}$-0.53±.04; $M_{\phi r}$-0.76±.21; Best double couple: NP1:ϕ_s10.00000°,δ61.00000°,λ-56.00000°. NP2:ϕ_s136.00000°,δ44.00000°,λ-135.00000°. Principal axes: T 1.5660,Plg9.0000° ,Azm76.0000°; N 0.6250,Plg29.0000°,Azm172.0000°; P -2.1940,Plg59.0000°,Azm331.0000° M_o1.88000×10^{16}
ISCJB Event type se.
NEIC Event type se.
ISC X 27 10 20 55.0–2.6 10.52N–.04 126.78E–.07 13–15 4.4b,3.4s 67 1-146
IDC X 27 10 20 52.3–.57 10.39N 126.61E 0 4.2,4.1b **¶601852908**
ISCJB X 27 10 20 54.8–1.7 10.52N–.03 126.92E–.05 26–12 4.3b,3.4s
MAN X 27 10 20 55.8 10.54N 126.70E 6 5.1b,4.1s
NEIC X 27 10 20 57.3–.44 10.49N 127.06E 35 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=13.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=178.7.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.2km az=81.0.
ISC X 27 15 14 42.5–.91 10.57N–.05 126.86E–.08 20 3.9b 21 2-86
ISCJB X 27 15 14 40.9–.74 10.58N–.05 126.99E–.06 20 3.9b **¶601999837**
IDC X 27 15 14 40.1–1.3 10.47N 126.87E 0 4.2,4.1
MAN X 27 15 14 42.4 10.62N 126.91E 18 4.9b,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.8km az=161.6.
IDC Error ellipse: s-maj=82.6km s-min=21.6km az=74.0.
ISC X 27 15 44 01.5–1.8 10.51N–.04 126.74E–.07 24–12 4.0b 50 2-146
MAN X 27 15 43 56.2 10.61N 127.05E 8 4.6b,3.5L **¶601852918**
IDC X 27 15 43 57.4–.67 10.40N 126.75E 0 4.1,4.1
NEIC X 27 15 44 02.5–.40 10.41N 126.76E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=14.4km az=79.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.3km az=79.0.
ISC X 27 15 46 27.8–.55 10.45N–.02 126.89E–.04 32–3 5.1b,4.8s 584 2-173
MAN X 27 15 46 24.2 10.58N 126.97E 77 5.8b,5.2s **¶601852919**
IDC X 27 15 46 25.4–3.3 10.42N 126.80E 15–20 5.0,5.0
BJI X 27 15 46 25.4 10.25N 126.93E 39 5.5b,5.1s
MOS X 27 15 46 26.4–1.2 10.45N 126.88E 33 5.4b,4.9s
ISCJB X 27 15 46 26.6–.12 10.44N–.02 126.83E–.02 33 5.0b,4.8s
GCMT X 27 15 46 27.4–.10 10.51N–.01 126.89E–.01 12 5.3W,4.8s
NEIC X 27 15 46 28.4–.13 10.42N 126.81E 35 5.2b,4.8s
DJA X 27 15 46 40.8–.60 10N–5.0 127E–4.0 63–6 5.9,5.6b
ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c111; s131,c232;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.01 $M_{\theta\theta}$0.22±.01; $M_{\phi\phi}$0.92±.01; $M_{r\theta}$0.03±.04; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$0.24±.04; Best double couple: NP1:ϕ_s165.00000°,δ51.00000°,λ-84.00000°. NP2:ϕ_s335.00000°,δ40.00000°,λ-97.00000°. Principal axes: T 1.0620,Plg6.0000° ,Azm250.0000°; N 0.1210,Plg5.0000°,Azm341.0000°; P -1.1810,Plg83.0000°,Azm110.0000° M_o1.12100×10^{17}
NEIC Event type se.
ISC X 27 22 20 12.3–2.1 10.46N–.05 126.78E–.07 10–12 4.1b 44 2-146
IDC X 27 22 20 10.6–.78 10.37N 126.80E 0 4.1,4.0b **¶601852941**
ISCJB X 27 22 20 12.4–2.3 10.46N–.04 126.95E–.07 26–16 4.2b,3.3s
NEIC X 27 22 20 15.6–.39 10.41N 126.90E 35 4.3b,3.3s
MAN X 27 22 20 20.2 10.64N 126.34E 20 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=15.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.2km az=0.7.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=7.8km az=71.0.
IDC X 28 00 52 55.4–1.1 10.52N 127.03E 0 3.7,3.5
¶601999872
IDC Error ellipse: s-maj=64.9km s-min=23.8km az=73.0.
ISC X 28 00 59 13.1–.54 10.45N–.05 126.82E–.06 20 4.2b 39 2-121

IDC X 28 00 59 10.2–.84 10.45N 126.83E 0 4.0,3.9b **¶601999873**
ISCJB X 28 00 59 11.5–.39 10.50N–.04 126.95E–.04 20 4.1b,3.1s
NEIC X 28 00 59 11.7–.24 10.43N 126.79E 10 4.3b,3.1s
MAN X 28 00 59 13.7 10.67N 126.94E 33 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=18.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.9km az=21.2.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=83.0.
ISC X 28 01 43 17.1–.57 10.58N–.03 126.92E–.05 30–3 4.8b,3.7s 354 2-170
BJI X 28 01 43 10.2 10.27N 127.04E 10 5.3b,4.9b **¶601852949**
IDC X 28 01 43 12.3–.37 10.53N 126.88E 0 4.7,4.7
ISCJB X 28 01 43 13.4–1.0 10.58N–.02 126.92E–.02 15–7 4.8b,3.7s
MAN X 28 01 43 14.6 10.68N 126.86E 16 5.6b,4.8s
NEIC X 28 01 43 14.2–.14 10.55N 126.90E 10 4.8b,4.8s
MOS X 28 01 43 15.4–1.2 10.54N 126.84E 30 5.0b,4.8s
DJA X 28 01 43 17.5–.90 11N–4.0 127E–3.0 33–7 5.6b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 28 01 53 11.6–1.2 10.57N–.03 126.88E–.05 14–7 4.7b 194 2-170
BJI X 28 01 53 04.8 10.09N 127.08E 6 5.2b,4.9b **¶601852951**
IDC X 28 01 53 09.1–.41 10.53N 126.83E 0 4.6,4.6
ISCJB X 28 01 53 09.9–1.3 10.53N–.02 126.89E–.03 14–8 4.6b,3.5s
NEIC X 28 01 53 10.9–.15 10.54N 126.85E 10 4.8b,3.5s
MAN X 28 01 53 12.9 10.59N 126.79E 31 5.5b,4.7s
DJA X 28 01 53 15.5–2.2 11N–8.0 127E–4.0 27–13 5.7,5.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 28 02 01 25.0–.42 10.57N–.05 126.74E–.07 44 4.1b 72 2-154
IDC X 28 02 01 18.6–.53 10.48N 126.69E 0 4.2,4.1 **¶601883574**
NEIC X 28 02 01 20.1–.21 10.46N 126.73E 10 4.4b,4.1
ISCJB X 28 02 01 23.1–.31 10.51N–.04 126.80E–.04 44 4.1b,4.1
MAN X 28 02 01 23.7 10.62N 126.73E 28 4.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=12.9km az=78.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.1km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=142.6.
ISC X 28 02 32 14.1–.43 10.60N–.05 126.74E–.07 44 4.3b 83 2-152
IDC X 28 02 32 07.7–.51 10.50N 126.79E 0 4.2,4.1 **¶601874224**
NEIC X 28 02 32 08.9–.18 10.49N 126.85E 10 4.4b,4.1
MAN X 28 02 32 11.5 10.66N 126.69E 11 4.7b,3.6L
ISCJB X 28 02 32 12.2–.30 10.54N–.03 126.81E–.04 44 4.5s,4.2b
DJA X 28 02 34 19.3–.80 1N–8.0 125E–7.0 10 4.4b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 28 02 35 12.1–.62 10.57N–.03 126.76E–.05 26–4 4.8b 229 2-164
DJA X 28 02 35 06.3–1.0 11N–9.0 127E–9.0 10 5.7b,5.3 **¶601857728**
IDC X 28 02 35 07.7–.43 10.51N 126.79E 0 4.6,4.5
BJI X 28 02 35 07.2 10.28N 126.89E 19 5.1b,5.0b
NEIC X 28 02 35 09.3–.17 10.47N 126.76E 10 4.8b,5.0b
MAN X 28 02 35 10.4 10.69N 126.87E 30 4.9b,3.9L
MOS X 28 02 35 11.1–1.0 10.49N 126.73E 34 5.1b,3.9L
ISCJB X 28 02 35 11.2–.72 10.54N–.02 126.82E–.04 33–6 5.1s,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 28 02 38 19.3–4.1 10.45N–.06 126.73E–.07 17–24 4.2b 73 2-164
IDC X 28 02 38 16.9–.53 10.49N 126.80E 0 4.2,4.1 **¶601883575**
ISCJB X 28 02 38 17.8–2.7 10.52N–.04 126.87E–.05 18–19 4.2b,4.1
NEIC X 28 02 38 18.2–.25 10.47N 126.85E 10 4.4b,4.1
MAN X 28 02 38 20.5 10.70N 126.79E 21 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=11.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.3km az=159.5.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.3km az=73.0.
ISC X 28 02 43 11.9–.43 10.48N–.03 126.82E–.04 30–2 5.3b,4.8s 717 2-173
BJI X 28 02 43 01.7 9.88N 126.97E 10 5.5b,5.2s **¶601852953**
IDC X 28 02 43 06.3–.34 10.42N 126.56E 0 5.0,4.9
NEIC X 28 02 43 08.6–.15 10.43N 126.64E 10 5.3b,4.9
MAN X 28 02 43 09.2 10.67N 126.76E 14 6.0b,5.5s
ISCJB X 28 02 43 09.3–.81 10.54N–.02 126.77E–.02 22–5 5.2b,4.8s
MOS X 28 02 43 11.3–1.4 10.58N 126.53E 33 5.6b,4.8s
GCMT X 28 02 43 11.6–.30 10.59N–.02 126.95E–.02 12 5.4W,4.8s
DJA X 28 02 43 29.6–1.4 9N–12 127E–3.0 97–7 5.7b,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c33; s39,c76;Duration: 1ŝ2
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.63±.04 $M_{\theta\theta}$0.30±.04; $M_{\phi\phi}$1.33±.04; $M_{r\theta}$0.28±.17; $M_{\theta\phi}$-0.43±.03; $M_{\phi r}$-0.30±.11; Best double couple: NP1:ϕ_s335.00000°,δ52.00000°,λ-96.00000°. NP2:ϕ_s165.00000°,δ38.00000°,λ-82.00000°. Principal axes: T 1.5330,Plg7.0000° ,Azm69.0000°; N 0.1610,Plg5.0000°,Azm339.0000°; P -1.6910,Plg81.0000°,Azm213.0000° M_o1.61200×10^{17}
ISC X 28 02 49 34.9–.51 10.42N–.09 126.8E–.20 44 4.1b 43 21-151
IDC X 28 02 49 28.9–.55 10.44N 126.77E 0 4.2,4.2 **¶601883576**
NEIC X 28 02 49 30.3–.27 10.44N 126.76E 10 4.5b,4.2
ISCJB X 28 02 49 33.0–.38 10.41N–.06 126.9E–.10 44 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 28 03 04 26.6–3.8 10.58N–.04 126.89E–.06 14–24 4.5b 87 2-152
IDC X 28 03 04 24.9–.56 10.41N 126.72E 0 4.9L,4.6 **¶601857731**
NEIC X 28 03 04 25.8–.24 10.46N 126.93E 10 4.5b,4.6
ISCJB X 28 03 04 26.6–1.8 10.48N–.03 126.95E–.04 29–13 6.6s,4.4b
MAN X 28 03 04 27.9 10.62N 126.79E 14 5.3b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=11.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=163.7.
ISC X 28 03 09 42.3–3.1 10.57N–.06 126.86E–.08 24–22 4.2b 35 2-152
IDC X 28 03 09 39.2–1.4 10.26N 126.18E 0 4.4,4.2 **¶601883577**
NEIC X 28 03 09 40.3–.65 10.31N 126.29E 10 4.3b,4.2
ISCJB X 28 03 09 41.0–1.3 10.55N–.05 126.93E–.07 34–14 4.3b,4.2
MAN X 28 03 09 42.9 10.58N 126.70E 16 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=135.0km s-min=27.9km az=76.0.
NEIC Event type se. Error ellipse: s-maj=50.2km s-min=12.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=156.6.
ISC X 28 03 37 26.0–4.3 10.61N–.05 126.87E–.07 16–26 4.5b 91 2-152
IDC X 28 03 37 23.4–.64 10.44N 126.73E 0 4.4,4.3 **¶606635641**
ISCJB X 28 03 37 24.2–2.0 10.56N–.03 126.93E–.04 17–14 4.3b,4.3
DJA X 28 03 37 24.4–1.6 11N–13 127E–14 10 6.0b,5.7
NEIC X 28 03 37 24.6–.25 10.48N 126.94E 10 4.7b,5.7
MAN X 28 03 37 26.6 10.63N 126.80E 25 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=14.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=164.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.6km az=72.0.
ISC X 28 05 30 59.9–.75 10.55N–.06 126.9E–.10 37–2 4.5b 58 2-121
IDC X 28 05 30 51.9–.97 10.09N 127.05E 0 5.3s,5.3 **¶601999925**
NEIC X 28 05 30 55.5–.46 10.49N 126.98E 10 4.7b,5.3
ISCJB X 28 05 30 57.7–1.2 10.48N–.04 126.87E–.07 35–10 5.3s,4.5b
MAN X 28 05 30 58.6 10.50N 126.62E 5 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=22.8km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.7km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=7.1km az=170.1.
IDC X 28 05 41 23.8–1.4 10.37N 126.88E 0 4.0,3.9

¶601999930

IDC Error ellipse: s-maj=145.8km s-min=18.1km az=68.0.

ISC	**X**	**28 06 15 14.9–1.2**	**10.46N–.04**	**126.80E–.06**	**31–8**	**4.7b**	**188**	**2-146**
IDC	X	28 06 15 09.8–.47	10.36N	126.69E	0	5.2s,5.2		**¶601853289**
BJI	X	28 06 15 11.3	10.13N	126.81E	30	5.5b,5.2		
MOS	X	28 06 15 11.7–.99	10.33N	126.75E	25	5.1b,5.2		
NEIC	X	28 06 15 11.6–.23	10.38N	126.71E	10	4.8b,5.2		
MAN	X	28 06 15 11.8	10.48N	126.82E	11	5.1b,4.2s		
DJA	X	28 06 15 12.0–.80	11N–8.0	127E–8.0	10	6.0b,5.7		
ISCJB	X	28 06 15 13.8–.73	10.44N–.02	126.86E–.04	38–6	5.7s,4.6b		

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

ISC	**X**	**28 16 19 32.9–.55**	**20.90N–.04**	**121.62E–.08**	**60**	**3.8b**	**49**	**1-86**
ISCJB	X	28 16 19 32.3–.35	20.97N–.03	121.47E–.06	60	3.8b		**¶602000098**
JMA	X	28 16 19 33.1–.40	21.07N	121.79E	3	4.8		
MAN	X	28 16 19 35.7	20.74N	121.64E	60	4.7b,3.6L		
IDC	X	28 16 19 36.5–3.1	20.85N	121.95E	107–30	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=2.9km az=20.5.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=11.3km az=74.0.

ISC	**X**	**28 18 35 41.1–4.7**	**10.43N–.05**	**127.00E–.07**	**11–29**	**3.9b**	**36**	**2-146**
ISCJB	X	28 18 35 39.8–2.3	10.37N–.04	127.05E–.04	15–17	4.0b,3.6s		**¶602000121**
IDC	X	28 18 35 39.6–.56	10.30N	126.85E	0	4.2,4.0		
NEIC	X	28 18 35 41.0–.33	10.30N	126.88E	10	4.2b,4.0		
MAN	X	28 18 35 42.7	10.51N	126.94E	104	5.0b,3.9L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.6km az=39.2.
IDC Error ellipse: s-maj=32.8km s-min=12.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.9km az=81.0.

IDC	**X**	**28 19 33 10.3–3.3**	**10.02N**	**126.21E**	**0**	**3.7,3.5**	

¶602000131

IDC Error ellipse: s-maj=251.6km s-min=24.0km az=65.0.

IDC	**X**	**29 08 06 57.6–.86**	**20.59N**	**119.70E**	**0**	**3.9,3.7b**	

¶602000245

IDC Error ellipse: s-maj=40.8km s-min=18.3km az=72.0.

ISC	**X**	**29 10 01 06.3–.55**	**10.53N–.04**	**126.87E–.06**	**20**	**4.1b,3.1s**	**58**	**2-146**
IDC	X	29 10 01 03.4–1.1	10.39N	126.61E	0	4.1,4.0b		**¶602000260**
ISCJB	X	29 10 01 04.3–.38	10.54N–.04	126.97E–.04	20	4.1b,3.1s		
MAN	X	29 10 01 07.0	10.66N	126.85E	31	4.8b,3.7L		
NEIC	X	29 10 01 08.3–1.6	10.52N	127.09E	39–15	4.4b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=101.5km s-min=15.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=154.2.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.9km az=65.0.

MAN	**X**	**29 10 48 35.9**	**20.19N**	**121.08E**	**47**	**4.5b,3.4L**	

¶604684677

MAN	**X**	**29 12 36 34.0**	**10.02N**	**126.06E**	**23**	**4.4b,3.2L**	

¶604684679

ISC	**X**	**31 08 06 19.8–1.0**	**11.13N–.06**	**126.88E–.09**	**35**	**3.8b**	**22**	**1-91**
ISCJB	X	31 08 06 17.4–.87	11.14N–.05	126.97E–.06	33	3.7b,2.6s		**¶602000594**
IDC	X	31 08 06 18.1–1.2	10.63N	127.52E	0	4.8L,4.0		
MAN	X	31 08 06 21.4	11.10N	126.67E	57	4.6b,3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.6km az=151.1.
IDC Error ellipse: s-maj=94.5km s-min=16.7km az=74.0.

ISC	**X**	**31 11 34 34.3–1.3**	**11.50N–.07**	**126.4E–.10**	**40**	**3.4b**	**13**	**1-51**
IDC	X	31 11 34 29.4–2.5	11.31N	126.28E	0	3.7,3.5		**¶602000614**
ISCJB	X	31 11 34 32.0–1.0	11.52N–.07	126.48E–.08	40	3.4b,3.5		
MAN	X	31 11 34 33.6	11.54N	126.36E	38	4.5b,3.3L		

ISC Event type ke.
IDC Error ellipse: s-maj=103.7km s-min=24.7km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=9.4km az=148.5.

ISC	**XI**	**01 11 18 15.4–2.5**	**10.40N–.04**	**126.63E–.06**	**7–15**	**4.3b,2.9s**	**97**	**2-146**
IDC	XI	01 11 18 14.3–.47	10.39N	126.57E	0	4.4,4.3		**¶601867332**
NEIC	XI	01 11 18 15.7–.20	10.40N	126.64E	10	4.4b,4.3		
MAN	XI	01 11 18 17.4	10.50N	126.67E	21	4.8b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=10.9km az=82.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=88.0.

ISC	**XI**	**01 13 40 40.3–1.3**	**19.22N–.04**	**121.19E–.06**	**29–10**	**3.7b**	**33**	**1-115**
IDC	XI	01 13 40 38.5–5.2	19.06N	121.38E	21–35	3.9,3.9		**¶602388680**
MAN	XI	01 13 40 40.8	19.21N	121.22E	16	4.9b,3.8L		

ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=17.6km az=80.0.

MAN	**XI**	**01 20 44 25.3**	**10.04N**	**126.17E**	**22**	**4.5b,3.4L**	

¶604684692

IDC	**XI**	**03 05 08 42.2–1.9**	**10.48N**	**127.01E**	**0**	**4.1,3.9**	

¶602388757

IDC Error ellipse: s-maj=167.0km s-min=23.4km az=69.0.

ISC	**XI**	**03 11 12 20.7–.33**	**10.54N–.02**	**126.92E–.03**	**30–2**	**5.2b,4.7s**	**657**	**2-164**
IDC	XI	03 11 12 16.4–.29	10.50N	126.84E	0	5.0,5.0		**¶601869847**
ISCJB	XI	03 11 12 17.4–.72	10.52N–.02	126.89E–.02	18–5	5.2b,4.8s		
BJI	XI	03 11 12 18.9	10.23N	127.03E	47	5.4b,5.2s		
MAN	XI	03 11 12 18.4	10.65N	126.92E	33	5.8b,5.2s		
MOS	XI	03 11 12 19.5–1.1	10.51N	126.90E	33	5.6b,4.8s		
GCMT	XI	03 11 12 19.7–.10	10.55N–.01	126.88E–.01	12	5.3W,4.8s		
NEIC	XI	03 11 12 21.7–.16	10.52N	126.93E	35	5.5b,4.8s		
DJA	XI	03 11 12 22.1–.60	10N–4.0	127E–3.0	45–6	6.2,5.8b		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c131; s124,c214;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.01 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$0.92±.01; $M_{r\theta}$-0.09±.04; $M_{\theta\phi}$-0.28±.01; $M_{\phi r}$0.38±.03; Best double couple: NP1:ϕ_s163.00000°,δ55.00000°,λ-88.00000°. NP2:ϕ_s340.00000°,δ35.00000°,λ-92.00000°. Principal axes: T 1.0870,Plg10.0000° ,Azm252.0000°; N 0.0940,Plg1.0000°,Azm342.0000°; P -1.1790,Plg80.0000°,Azm80.0000° $M_0$1.13300×10^{17}

NEIC Event type se.

ISC	**XI**	**03 11 33 34.4–1.2**	**10.2N–.20**	**126.6E–.40**	**42**	**3.9b**	**9**	**28-146**
IDC	XI	03 11 33 28.7–1.2	10.22N	126.59E	0	4.0,3.9		**¶601874292**
ISCJB	XI	03 11 33 32.6–1.1	10.2N–.20	126.6E–.40	42	3.8b,3.9		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**03 12 05 28.4–.72**	**10.92N–.05**	**126.29E–.07**	**37**	**4.3b**	**33**	**1-147**
IDC	XI	03 12 05 22.4–.89	10.91N	126.50E	0	4.2,4.1		**¶602388765**
ISCJB	XI	03 12 05 26.7–.55	10.93N–.03	126.33E–.04	37	4.1b,4.1		
MAN	XI	03 12 05 27.7	10.95N	126.19E	69	4.7b,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=14.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=0.4.

ISC	**XI**	**04 01 48 14.8–2.2**	**10.55N–.04**	**126.82E–.07**	**5–13**	**4.0b**	**44**	**2-151**
IDC	XI	04 01 48 14.0–.55	10.57N	126.82E	0	4.2,4.1		**¶601902249**
NEIC	XI	04 01 48 15.5–.30	10.57N	126.87E	10	4.1b,4.1		
MAN	XI	04 01 48 16.4	10.81N	126.94E	32	5.2b,4.3s		
DJA	XI	04 01 48 28.3–1.9	10N–17	128E–13	10	5.2b,4.6		

ISC Event type se.
NEIC Event type se.

ISC	**XI**	**04 05 24 24.8–.55**	**10.42N–.06**	**126.84E–.07**	**20**	**4.2b,3.0s**	**54**	**2-146**
MAN	XI	04 05 24 19.3	10.72N	127.27E	54	5.3b,4.4s		**¶602037397**
IDC	XI	04 05 24 22.2–.70	10.33N	126.71E	0	4.1,4.0b		
ISCJB	XI	04 05 24 23.1–.36	10.35N–.05	126.85E–.06	20	4.2b,2.9s		
NEIC	XI	04 05 24 23.5–.23	10.32N	126.76E	10	4.3b,2.9s		

ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=14.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.4km az=162.9.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.2km az=75.0.

ISC	**XI**	**04 13 36 46.3–.77**	**10.45N–.07**	**126.83E–.08**	**20**	**4.5b**	**19**	**2-146**
IDC	XI	04 13 36 43.8–1.4	10.30N	126.63E	0	4.0,3.9b		**¶602031634**
ISCJB	XI	04 13 36 44.4–.61	10.44N–.06	127.00E–.06	20	4.3b,3.9b		
NEIC	XI	04 13 36 45.2–.57	10.36N	126.97E	10	4.5b,3.9b		
MAN	XI	04 13 36 45.7	10.48N	126.85E	14	4.8b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=140.9km s-min=22.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=8.1km az=141.1.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=9.9km az=72.0.

MAN	**XI**	**05 06 35 55.5**	**15.31N**	**122.84E**	**31**	**4.8b,3.7L**		

¶604684710

ISC	**XI**	**06 14 27 55.5–1.7**	**10.44N–.03**	**126.84E–.06**	**20–7**	**4.7b,4.5s**	**202**	**2-162**
IDC	XI	06 14 27 52.2–.44	10.38N	126.76E	0	4.6,4.5		**¶601875528**
NEIC	XI	06 14 27 53.6–.25	10.43N	126.90E	10	4.7b,4.5		
MAN	XI	06 14 27 53.2	10.49N	127.00E	98	5.4b,4.5s		
DJA	XI	06 14 27 53.5–1.7	11N–6.0	127E–5.0	33–14	5.4b,4.8		
ISCJB	XI	06 14 27 54.6–1.3	10.42N–.02	126.90E–.03	28–9	4.7b,4.6s		
MOS	XI	06 14 27 55.3–.84	10.32N	126.75E	33	5.1b,4.6s		
BJI	XI	06 14 27 56.6	10.26N	126.74E	47	5.0b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=10.4km az=79.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=167.5.
MOS Error ellipse: s-maj=14.0km s-min=6.6km az=116.9.

IDC	**XI**	**07 03 58 33.5–1.3**	**8.23N**	**127.95E**	**0**	**3.8,3.6b**	

¶602388942

IDC Error ellipse: s-maj=77.8km s-min=27.9km az=81.0.

IDC	**XI**	**07 11 10 00.1–4.0**	**10.30N**	**126.54E**	**0**	**3.6,3.5**	

¶602388959

IDC Error ellipse: s-maj=320.5km s-min=27.0km az=66.0.

ISC	**XI**	**09 06 33 43.4–.74**	**10.02N–.06**	**126.74E–.09**	**42**	**3.7b**	**20**	**2-146**
IDC	XI	09 06 33 37.6–.75	10.03N	126.56E	0	3.9,3.8		**¶602389081**
MAN	XI	09 06 33 40.2	10.09N	126.80E	32	4.9b,3.8L		
ISCJB	XI	09 06 33 41.4–.65	10.05N–.05	126.72E–.08	42	3.7b,3.8L		

ISC Event type ke.
ISCJB Event type ke.

MAN	**XI**	**10 06 28 52.5**	**7.75N**	**127.17E**	**17**	**4.8b,3.8L**	

¶604684733

ISC	**XI**	**10 08 00 44.5–.57**	**10.7N–.10**	**126.7E–.10**	**44**	**4.4b**	**48**	**19-146**
IDC	XI	10 08 00 38.7–.78	10.58N	126.39E	0	4.2,4.1		**¶602032083**
NEIC	XI	10 08 00 39.9–.28	10.74N	126.75E	10	4.5b,4.1		
ISCJB	XI	10 08 00 42.5–.38	10.72N–.06	126.77E–.10	44	4.3b,4.1		

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

ISC	**XI**	**10 13 39 45.9–1.7**	**20.45N–.04**	**122.53E–.05**	**5–11**	**4.0b,3.4s**	**193**	**1-75**
NIED	XI	10 13 39 00	20.50N	122.40E	8	4.4W,3.4s		**¶601897584**
MAN	XI	10 13 39 44.8	20.50N	122.48E	31	5.5b,4.8s		
TAP	XI	10 13 39 47.8	20.50N	122.61E	53–1	5.1L,4.8s		
NEIC	XI	10 13 39 47.9–.55	20.47N	122.39E	10	4.2b,4.8s		
IDC	XI	10 13 39 47.9–1.4	20.62N	122.30E	0	4.8L,4.1		
JMA	XI	10 13 39 49.4–.40	20.53N	122.43E	73	4.8,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s107.00000°,δ36.00000°,λ-23.00000°. NP2:ϕ_s216.00000°,δ77.00000°,λ-124.00000°. $M_0$5.24000×10^{15}
TAP D.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=6.4km az=104.0. Felt [IV PIVS] at Uyugan and [III PIVS] at Basco.
IDC Error ellipse: s-maj=31.0km s-min=20.1km az=127.0.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.

ISC	**XI**	**11 16 10 02.8–3.2**	**10.83N–.04**	**126.78E–.06**	**0–20**	**4.4b**	**74**	**2-147**
IDC	XI	11 16 10 03.2–.54	10.77N	126.78E	0	4.2,4.1		**¶601991724**
ISCJB	XI	11 16 10 04.1–1.8	10.77N–.03	126.87E–.04	20–13	4.2b,2.9s		
MAN	XI	11 16 10 06.2	10.81N	126.77E	33	5.0b,4.0L		
NEIC	XI	11 16 10 07.2–2.4	10.76N	126.86E	28–17	4.5b,4.0L		

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=12.1km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=174.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.6km az=79.0.

IDC	**XI**	**13 00 20 35.6–2.6**	**10.74N**	**127.25E**	**0**	**3.9,3.8**	

¶602389313

IDC Error ellipse: s-maj=238.1km s-min=26.7km az=67.0.

ISC	**XI**	**14 16 56 28.5–1.1**	**18.05N–.06**	**119.81E–.07**	**32**		**18**	**1-44**
MAN	XI	14 16 56 25.6	18.26N	119.65E	15	5.2b,4.3s		**¶602389396**
IDC	XI	14 16 56 25.2–1.5	17.96N	119.99E	0	3.8,3.6		
ISCJB	XI	14 16 56 26.9–.95	18.19N–.05	119.63E–.07	32	3.5b,3.6		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**14 18 12 00.4–.71**	**10.73N–.05**	**126.81E–.10**	**44**	**4.2b**	**37**	**2-86**
IDC	XI	14 18 11 54.4–1.3	10.53N	126.58E	0	3.9,3.8b		**¶602059957**
MAN	XI	14 18 11 55.2	10.79N	126.97E	27	5.1b,4.2s		
ISCJB	XI	14 18 11 58.4–.51	10.70N–.04	126.82E–.06	44	4.0b,3.6s		
NEIC	XI	14 18 11 59.2–.62	10.43N	126.60E	35	4.5b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=145.3km s-min=17.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=168.0.
NEIC Event type se. Error ellipse: s-maj=45.2km s-min=8.5km az=71.0.

ISC	**XI**	**15 15 32 17.1–.97**	**5.2N–.20**	**127.8E–.30**	**53**	**3.4b**	**8**	**7-83**
IDC	XI	15 15 32 10.4–1.0	5.33N	127.62E	0	3.8,3.6		**¶602389470**
ISCJB	XI	15 15 32 15.2–.92	5.3N–.20	127.7E–.30	53	3.5b,2.6s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**15 18 00 39.4–2.2**	**10.44N–.05**	**126.59E–.09**	**30–16**	**4.1b**	**36**	**2-86**
IDC	XI	15 18 00 34.6–1.0	10.41N	126.72E	0	3.9,3.8		**¶602059961**
ISCJB	XI	15 18 00 38.6–1.7	10.47N–.07	126.8E–.20	40–13	4.0b,3.8		
MAN	XI	15 18 00 38.9	10.58N	126.77E	33	4.8b,3.7L		
NEIC	XI	15 18 00 40.4–4.4	10.37N	126.75E	41–41	4.6b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=58.8km s-min=15.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=7.3km az=159.5.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=7.5km az=67.0.

IDC	**XI**	**16 10 20 41.9–1.4**	**13.10N**	**119.91E**	**0**	**3.4,3.2**		

¶602389503

IDC Error ellipse: s-maj=31.3km s-min=15.2km az=116.0.

ISC	**XI**	**17 10 08 02.9–2.0**	**18.19N–.07**	**119.86E–.07**	**13–12**	**3.4b**	**23**	**1-151**
MAN	XI	17 10 08 02.5	18.20N	119.82E	13	5.0b,4.0L		**¶602389562**
IDC	XI	17 10 08 13.1–3.2	18.24N	120.86E	106–31	3.7,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=17.5km az=68.0.

IDC	**XI**	**17 12 21 20.3–1.6**	**20.72N**	**123.59E**	**0**	**3.8,3.7**	

¶602389566

IDC Error ellipse: s-maj=52.5km s-min=23.9km az=68.0.

ISC	**XI**	**17 16 51 38.6–1.8**	**13.76N–.03**	**119.80E–.06**	**24–15**	**3.7b**	**28**	**1-45**
IDC	XI	17 16 51 35.6–1.1	13.59N	119.79E	0	3.8,3.7		**¶602389573**
MAN	XI	17 16 51 39.4	13.70N	119.92E	87	4.1b,2.8L		

ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=13.6km az=152.0.

ISC	**XI**	**18 06 43 56.1–2.2**	**19.86N–.10**	**121.3E–.20**	**32**	**3.8b**	**9**	**1-75**
MAN	XI	18 06 43 56.7	20.12N	121.14E	33	4.6b,3.4L		**¶602389603**
IDC	XI	18 06 43 58.2–2.4	19.05N	121.30E	0	4.0,3.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=244.5km s-min=22.3km az=64.0.

ISC	**XI**	**18 16 41 21.8–.72**	**5.59N–.08**	**127.4E–.10**	**100**	**3.9b**	**24**	**2-89**
ISCJB	XI	18 16 41 19.9–.47	5.63N–.06	127.50E–.08	100	3.8b		**¶601992747**
NEIC	XI	18 16 41 22.2–2.8	5.51N	127.18E	105–27	4.6b		
IDC	XI	18 16 41 27.3–4.6	5.52N	127.31E	153–49	4.0s,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.3km az=149.1.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=7.5km az=78.0.
IDC Error ellipse: s-maj=80.2km s-min=16.7km az=74.0.

ISC	**XI**	**18 22 42 54.3–1.3**	**8.0N–.10**	**127.0E–.10**	**46**	**3.5b**	**9**	**1-57**
IDC	XI	18 22 42 48.1–1.2	8.10N	127.00E	0	3.7,3.5		**¶602389633**
ISCJB	XI	18 22 42 51.7–1.1	8.1N–.10	127.16E–.08	46	3.5b,3.5		

ISC Event type ke.

ISCJB Event type ke.
IDC XI 19 08 41 39.5–3.0 10.16N 126.01E 0 3.6,3.5 ¶602389650
IDC Error ellipse: s-maj=251.8km s-min=27.2km az=64.0.
MAN XI 19 17 40 15.9 10.51N 126.98E 32 4.6b,3.4L ¶604684771
ISC XI 23 15 46 39.6–2.1 19.37N–.05 121.29E–.09 17–15 3.3b 19 1-45
IDC XI 23 15 46 37.5–1.3 18.76N 120.67E 0 3.4,3.3 ¶602389898
ISCJB XI 23 15 46 38.2–2.2 19.36N–.04 121.21E–.08 3–16 3.2b,3.3
MAN XI 23 15 46 40.5 19.34N 121.34E 16 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=63.8km s-min=22.7km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.2km az=9.5.
ISC XI 24 01 24 07.6–1.2 10.7N–.10 126.8E–.20 35 3.8b 7 2-86
IDC XI 24 01 23 58.4–2.3 11.71N 129.25E 0 3.8,3.7 ¶602389918
ISCJB XI 24 01 24 05.4–1.0 10.8N–.10 126.9E–.10 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
MAN XI 25 06 27 06.1 10.21N 126.01E 15 3.8b,2.6L ¶604686041
ISC XI 26 07 23 38.7–.75 10.45N–.03 126.79E–.04 40–6 5.1b,3.9s 593 1-164
IDC XI 26 07 23 32.9–.32 10.44N 126.62E 0 5.0,4.9 ¶601994512
DJA XI 26 07 23 34.3–1.3 11N–4.0 127E–3.0 22–8 5.5b,5.2b
MAN XI 26 07 23 34.9 10.65N 126.92E 46 5.4b,4.6s
BJI XI 26 07 23 35.4 10.19N 126.86E 44 5.1b,5.1b
MOS XI 26 07 23 36.2–1.0 10.39N 126.57E 33 5.4b,5.1b
ISCJB XI 26 07 23 37.1–.48 10.44N–.02 126.77E–.03 44–4 5.1b,3.9s
NEIC XI 26 07 23 39.6–.51 10.44N 126.70E 54–4 5.1b,3.9s
KLM XI 26 07 23 41.0 10.35N 126.60E 43 5.3b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=15.2km s-min=8.2km az=73.0.
MOS Error ellipse: s-maj=10.4km s-min=4.7km az=120.7.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=164.5.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=78.0. Felt at General Luna, Siargao Island.
ISC XI 26 13 41 39.2–1.1 10.5N–.20 126.81E–.09 20 3.6b 11 1-146
ISCJB XI 26 13 41 36.5–1.1 10.5N–.10 126.96E–.08 20 3.6b ¶602389994
IDC XI 26 13 41 37.2–1.5 10.12N 125.91E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=10.6km az=168.9.
IDC Error ellipse: s-maj=182.7km s-min=22.8km az=66.0.
ISC XI 26 17 33 22.6–.68 20.13N–.04 120.43E–.07 28 3.9b 36 1-86
IDC XI 26 17 33 18.2–.93 20.14N 120.52E 0 3.9,3.8b ¶602210427
ISCJB XI 26 17 33 21.0–.35 20.11N–.03 120.33E–.05 28 3.9b,2.8s
NEIC XI 26 17 33 21.4–3.2 20.11N 120.48E 20–24 4.5b,2.8s
MAN XI 26 17 33 22.1 19.99N 120.47E 11 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=14.2km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.8km az=157.3.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.9km az=67.0.
ISC XI 26 22 25 43.2–1.9 10.68N–.04 126.87E–.06 18–9 4.4b 219 2-146
BJI XI 26 22 25 39.6 10.41N 127.50E 40 4.9b,4.6b ¶602347507
IDC XI 26 22 25 39.5–.47 10.58N 127.00E 0 4.3L,4.3
DJA XI 26 22 25 40.1–.60 11N–5.0 127E–7.0 10 6.2b,5.8
MOS XI 26 22 25 41.4–.84 10.52N 126.93E 22 4.8b,5.8
MAN XI 26 22 25 43.7 10.64N 126.58E 1 5.5b,4.7s
ISCJB XI 26 22 25 43.0–1.7 10.64N–.03 126.88E–.04 30–12 4.3b,4.7s
NEIC XI 26 22 25 45.0–.24 10.58N 126.92E 35 4.4b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=10.2km az=80.0.
MOS Error ellipse: s-maj=13.8km s-min=7.2km az=117.5.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=155.5.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=83.0.
ISC XI 26 22 32 41.9–3.4 10.61N–.04 126.82E–.06 16–21 4.2b 76 2-146
IDC XI 26 22 32 39.1–.51 10.57N 126.87E 0 4.1,4.0 ¶601994676
ISCJB XI 26 22 32 40.8–1.9 10.63N–.03 126.91E–.04 19–14 4.1b,3.4s
MAN XI 26 22 32 43.4 10.65N 126.60E 2 5.2b,4.3s
NEIC XI 26 22 32 45.0–1.4 10.52N 126.86E 40–13 4.3b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=11.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=170.8.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.5km az=71.0.
ISC XI 26 23 48 22.6–.50 10.48N–.05 126.80E–.07 20 4.0b 54 1-146
IDC XI 26 23 48 19.1–.57 10.44N 126.83E 0 4.2,4.1b ¶602082824
ISCJB XI 26 23 48 20.4–.35 10.44N–.04 126.92E–.04 20 4.0b,3.5s
NEIC XI 26 23 48 24.4–.24 10.41N 126.84E 35 4.3b,3.5s
MAN XI 26 23 48 26.1 10.48N 126.54E 20 5.2b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=12.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.3km az=8.6.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.2km az=76.0.
IDC XI 27 08 29 29.6–2.5 20.40N 121.31E 0 3.9,3.7b ¶602390049
IDC Error ellipse: s-maj=240.4km s-min=21.3km az=63.0.
ISC XI 28 02 09 08.5–.92 20.6N–.10 122.2E–.10 31 3.5b 10 0-86
IDC XI 28 02 09 04.6–.95 20.66N 122.36E 0 4.1L,3.9 ¶602390088
ISCJB XI 28 02 09 07.5–.82 20.58N–.10 122.2E–.10 31 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC XI 28 08 03 14.4–1.8 5.84N 127.12E 0 3.8,3.7 ¶602390097
IDC Error ellipse: s-maj=151.1km s-min=21.5km az=68.0.
IDC XI 28 09 59 26.9–2.5 20.47N 121.30E 0 3.6,3.5 ¶602390109
IDC Error ellipse: s-maj=245.3km s-min=19.4km az=63.0.
ISC XI 28 10 22 02.8–.53 19.06N–.03 121.08E–.04 22–3 4.8b,4.2s 277 1-173
NEIC XI 28 10 22 02.4–1.4 18.95N 121.22E 24–10 4.9b,4.2s ¶601995001
IDC XI 28 10 22 03.8–4.2 19.01N 121.26E 33–31 4.5,4.3
BJI XI 28 10 22 03.7 19.39N 120.95E 12 4.9b,4.6b
ISCJB XI 28 10 22 05.0–.39 19.13N–.02 121.24E–.03 55–4 4.6b,4.2s
MOS XI 28 10 22 04.8–1.1 19.06N 121.29E 60 5.0b,4.2s
GCMT XI 28 10 22 04.4–.30 19.20N–.02 120.94E–.02 39–0 5.1W,4.2s
MAN XI 28 10 22 05.3 19.08N 121.23E 21 5.6b,5.0s
KLM XI 28 10 22 06.0 19.01N 120.96E 33 4.9b,5.0s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=109.0. Felt [III PIVS] at Claveria and Sanchez-Mira and [II PIVS] at Aparri.
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=1.7.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=106.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c68; s71,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.89±.29 $M_{\theta\theta}$-0.45±.20; $M_{\phi\phi}$-5.44±.21; $M_{r\theta}$-1.05±.15; $M_{\theta\phi}$-2.64±.10; $M_{\phi r}$-1.10±.15; Best double couple: NP1:ϕ_s209.00000°,δ52.00000°,λ97.00000°. NP2:ϕ_s18.00000°,δ39.00000°,λ81.00000°. Principal axes: T 6.1020,Plg82.0000° ,Azm154.0000°; N 0.6400,Plg5.0000°,Azm24.0000°; P -6.7380,Plg6.0000°,Azm294.0000° M_o6.42000×10^{16}
ISC XI 28 13 55 13.1–.53 20.14N–.03 120.40E–.06 28 4.2b 61 1-85
NIED XI 28 13 55 00 20.40N 120.60E 47 4.0W ¶602006319
IDC XI 28 13 55 08.8–.71 20.10N 120.44E 0 4.2,4.1b
ISCJB XI 28 13 55 11.5–.30 20.17N–.02 120.44E–.04 28 4.2b,3.0s
JMA XI 28 13 55 12.9–.40 20.37N 120.58E 0 4.0,3.0s
NEIC XI 28 13 55 13.9–.41 20.15N 120.50E 35 4.6b,3.0s
MAN XI 28 13 55 14.4 20.02N 120.47E 45 5.1b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ49.00000°,λ154.00000°. NP2:ϕ_s199.00000°,δ71.00000°,λ44.00000°. M_o1.14000×10^{15}
IDC Error ellipse: s-maj=30.3km s-min=14.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.2km az=10.5.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.7km az=102.0.

ISC XI 30 17 44 12.9–2.7 11.12N–.06 126.69E–.09 16–15 3.5b 17 1-85
IDC XI 30 17 44 10.7–3.7 11.09N 126.86E 0 3.8,3.6b ¶602390244
MAN XI 30 17 44 13.9 11.24N 126.64E 14 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=299.4km s-min=9.1km az=66.0.
MAN XI 30 21 13 01.6 11.37N 126.46E 28 4.8b,3.7L ¶604686056
ISC XII 02 12 47 29.1–.69 10.42N–.05 126.77E–.06 27–4 3.9b 35 1-146
ISCJB XII 02 12 47 25.8–2.1 10.40N–.04 126.90E–.04 15–13 3.9b,3.4s ¶602390351
MAN XII 02 12 47 25.4 10.46N 127.04E 45 4.9b,3.9L
IDC XII 02 12 47 30.8–.81 10.29N 126.82E 39–7 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.5km az=5.6.
IDC Error ellipse: s-maj=34.0km s-min=12.0km az=75.0.
MAN XII 02 20 05 27.9 8.42N 127.18E 15 4.1b,2.9L ¶604686231
MAN XII 02 20 21 09.9 10.32N 126.10E 39 4.4b,3.3L ¶604686233
ISC XII 06 00 43 22.9–.34 10.97N–.02 126.68E–.04 22–3 5.3b,5.0s 891 1-173
BJI XII 06 00 43 17.9 10.58N 126.92E 26 5.5b,5.2s ¶601996104
IDC XII 06 00 43 19.3–.30 10.92N 126.60E 0 5.1,5.1
ISCJB XII 06 00 43 21.0–.71 11.02N–.02 126.70E–.02 19–5 5.2b,5.0s
KLM XII 06 00 43 23.0 10.76N 126.83E 10 5.5b,5.0s
MOS XII 06 00 43 23.1–1.1 11.02N 126.61E 34 5.5b,5.0s
MAN XII 06 00 43 23.9 11.06N 126.58E 26 5.9b,5.4s
NEIC XII 06 00 43 24.1–1.2 10.97N 126.64E 31–8 5.4b,5.1s
GCMT XII 06 00 43 25.1–.10 11.01N–.01 126.68E–.01 12 5.5W,5.1s
DJA XII 06 00 43 28.3–.60 11N–3.0 127E–3.0 59–5 6.0,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V PIVS] at Mercedes; [IV PIVS] at Borongan and General MacArthur; [III PIVS] at Catbalogan, Samar. Felt [IV PIVS] at Tacloban; [III PIVS] at Dulag, Jaro and Tolosa; [II PIVS] at Capoocan and Dagami, Leyte. Also felt at Palo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c169; s137,c256;Duration: 1ŝ4
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.06±.02 $M_{\theta\theta}$0.14±.02; $M_{\phi\phi}$1.92±.03; $M_{r\theta}$-0.15±.08; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.13±.07; Best double couple: NP1:ϕ_s345.00000°,δ46.00000°,λ-82.00000°. NP2:ϕ_s153.00000°,δ44.00000°,λ-98.00000°. Principal axes: T 2.2340,Plg1.0000° ,Azm69.0000°; N -0.1570,Plg6.0000°,Azm159.0000°; P -2.0800,Plg84.0000°,Azm331.0000° M_o2.15700×10^{17}
ISC XII 06 06 07 49.2–3.6 11.01N–.05 126.56E–.10 28–25 3.9b 29 1-147
IDC XII 06 06 07 45.3–.75 10.70N 126.13E 0 4.0,3.9b ¶602390534
MAN XII 06 06 07 46.8 11.06N 126.73E 27 4.9b,3.8L
ISCJB XII 06 06 07 48.0–2.4 11.03N–.04 126.66E–.06 33–18 3.9b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 06 09 12 50.7–1.1 10.67N–.06 126.68E–.08 10 3.7b 16 1-86
ISCJB XII 06 09 12 48.4–.90 10.76N–.06 126.77E–.06 10 3.9b ¶604686239
MAN XII 06 09 12 52.2 10.51N 126.65E 1 4.6b,3.5L
IDC XII 06 09 13 29.2–17 9.60N 124.54E 369–184 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=8.5km az=44.0.
IDC Error ellipse: s-maj=248.8km s-min=23.3km az=62.0.
ISC XII 06 10 26 14.6–1.6 11.03N–.04 126.68E–.04 3–10 4.5b,3.8s 184 1-165
IDC XII 06 10 26 14.2–.42 10.98N 126.56E 0 4.4,4.4 ¶601996742
MAN XII 06 10 26 15.7 11.03N 126.73E 14 5.1b,4.2s
ISCJB XII 06 10 26 16.0–1.4 11.02N–.03 126.75E–.03 26–10 4.5b,3.8s
MOS XII 06 10 26 16.4–.90 10.96N 126.56E 28 4.6b,3.8s
NEIC XII 06 10 26 19.1–.16 10.95N 126.65E 35 4.7b,3.8s
DJA XII 06 10 26 25.3–2.2 11N–7.0 127E–10 93–20 5.2b,4.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 07 05 55 19.6–1.1 10.11N–.05 126.52E–.09 41–10 4.0b 26 1-94
MAN XII 07 05 55 15.7 10.13N 126.49E 1 4.5b,3.4L ¶602390573
ISCJB XII 07 05 55 17.1–1.5 10.09N–.06 126.64E–.09 39–13 3.8b,3.3s
IDC XII 07 05 55 23.9–14 9.93N 126.09E 80–133 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.3km az=161.8.
IDC Error ellipse: s-maj=132.2km s-min=21.3km az=70.0.
ISC XII 07 16 06 33.5–1.6 10.40N–.05 126.6E–.10 44 4.2b 13 1-86
IDC XII 07 16 06 28.8–2.0 10.51N 126.34E 0 4.1,4.0 ¶602390704
MAN XII 07 16 06 31.6 10.40N 126.53E 83 5.0b,4.0L
ISCJB XII 07 16 06 32.5–.90 10.43N–.04 126.56E–.08 44 4.1b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 09 26 05.8–1.0 10.6N–.10 126.9E–.10 20 3.8b 11 2-86
IDC XII 08 09 26 02.0–1.7 10.84N 127.33E 0 3.8,3.7 ¶602390802
ISCJB XII 08 09 26 03.9–.98 10.6N–.10 126.95E–.07 20 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 09 02 44 54.7–1.6 19.4N–.10 122.0E–.40 46 3.5b 6 2-45
IDC XII 09 02 44 49.3–2.3 19.09N 121.38E 0 3.7,3.5 ¶602390873
ISCJB XII 09 02 44 52.9–1.2 19.42N–.08 122.1E–.30 46 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 09 05 14 34.9–3.9 6.19N 127.06E 129–32 3.7,3.5 ¶602390882
IDC Error ellipse: s-maj=83.5km s-min=19.8km az=65.0.
ISC XII 09 08 10 00.9–.58 13.17N–.05 125.50E–.07 28 4.3b 47 1-83
IDC XII 09 08 09 56.5–.80 13.14N 125.56E 0 4.1,4.0b ¶602330433
ISCJB XII 09 08 09 59.2–.40 13.23N–.03 125.58E–.05 28 4.3b,2.6s
MAN XII 09 08 09 59.0 13.32N 125.60E 33 5.0b,3.9L
NEIC XII 09 08 10 01.6–.28 13.02N 125.45E 35 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=16.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.9km az=178.8.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.7km az=66.0.
ISC XII 12 01 50 16.9–2.2 10.48N–.05 126.63E–.08 31–15 4.4b 70 2-121
IDC XII 12 01 50 12.7–.65 10.48N 126.47E 0 4.3,4.1 ¶602330582
MAN XII 12 01 50 16.3 10.55N 126.52E 16 4.9b,3.8L
NEIC XII 12 01 50 21.2–1.1 10.38N 126.34E 66–10 4.7b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=13.4km az=76.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.4km az=70.0.
MAN XII 14 00 47 44.3 10.37N 126.38E 9 4.3b,3.2L ¶604699807
MAN XII 14 09 54 00.6 10.31N 126.47E 7 4.5b,3.4L ¶604699810
ISC XII 14 17 13 19.6–.63 10.28N–.03 126.39E–.06 46–6 4.5b 89 1-87
MAN XII 14 17 13 16.2 10.33N 126.52E 9 5.0b,4.0s ¶602355609
ISCJB XII 14 17 13 18.9–.73 10.29N–.03 126.38E–.06 58–6 4.7s,4.4b
NEIC XII 14 17 13 19.6–.94 10.24N 126.20E 45–9 4.7b,4.4b
IDC XII 14 17 13 19.6–.76 10.25N 126.30E 44–7 4.7s,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.5km az=170.3.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=82.0.
IDC Error ellipse: s-maj=24.3km s-min=11.9km az=79.0.
MAN XII 15 03 10 54.5 10.20N 126.35E 26 4.5b,3.4L ¶604699847
ISC XII 15 03 17 16.5–1.5 10.20N–.05 126.44E–.07 33–6 3.8b 49 1-120
IDC XII 15 03 17 11.5–.78 10.20N 126.29E 0 4.1,3.9 ¶602077255
MAN XII 15 03 17 14.2 10.35N 126.53E 9 4.8b,3.7L
NEIC XII 15 03 17 16.7–.28 10.20N 126.27E 35 4.2b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=18.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.0km az=72.0.
ISC XII 15 10 30 14.9–2.2 10.35N–.05 126.6E–.10 44–22 3.7b 24 1-86
IDC XII 15 10 30 08.6–1.0 10.38N 126.49E 0 3.9,3.8b ¶602391378
ISCJB XII 15 10 30 11.2–2.3 10.34N–.05 126.67E–.05 29–17 3.8b,3.7s
MAN XII 15 10 30 11.2 10.36N 126.56E 15 4.6b,3.4L

ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=22.8km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.7km az=151.6.
ISC XII 15 10 44 21.5–2.4 10.28N–.04 126.57E–.09 31–16 3.8b 30 1-121
IDC XII 15 10 44 16.6–.74 10.23N 126.43E 0 4.1,3.9 ¶602391379
ISCJB XII 15 10 44 18.7–2.2 10.32N–.05 126.69E–.05 24–16 3.8b,3.9
MAN XII 15 10 44 20.3 10.34N 126.54E 14 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=16.4km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.1km az=143.2.
ISC XII 15 17 35 49.6–2.2 10.36N–.05 126.65E–.09 30–15 3.2b 25 1-86
IDC XII 15 17 35 44.6–1.2 10.45N 127.09E 0 3.5,3.4 ¶602391398
ISCJB XII 15 17 35 48.7–1.3 10.37N–.04 126.66E–.08 36–13 3.4b,3.4
MAN XII 15 17 35 48.0 10.33N 126.51E 7 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=65.1km s-min=19.6km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.7km az=169.5.
ISC XII 15 18 34 56.8–2.8 10.33N–.05 126.65E–.08 30–19 3.6b 31 1-86
IDC XII 15 18 34 52.5–.82 10.44N 126.65E 0 3.9,3.8 ¶602391402
ISCJB XII 15 18 34 56.0–1.2 10.37N–.05 126.66E–.08 39–11 3.6b,3.8
MAN XII 15 18 34 55.3 10.35N 126.59E 19 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=39.7km s-min=16.0km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.3km az=160.2.
ISC XII 15 18 43 40.9–1.4 10.32N–.03 126.49E–.05 11–8 4.6b,3.5s 109 1-120
IDC XII 15 18 43 39.2–.63 10.25N 126.30E 0 4.1,4.0 ¶602355617
MAN XII 15 18 43 42.2 10.42N 126.58E 24 5.3b,4.4s
NEIC XII 15 18 43 42.7–2.5 10.34N 126.46E 23–18 4.7b,4.4s
ISCJB XII 15 18 43 43.5–.76 10.37N–.03 126.56E–.05 45–6 4.4b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 15 18 45 03.8–.87 10.3N–.10 126.4E–.10 44 3.7b 13 1-120
IDC XII 15 18 44 57.6–.83 10.38N 126.49E 0 4.2,4.0 ¶602391404
ISCJB XII 15 18 45 01.9–.69 10.34N–.08 126.52E–.09 44 4.0s,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 12 08 21.6–2.5 10.24N–.04 126.67E–.06 11–15 4.3b 65 1-123
IDC XII 16 12 08 18.8–.77 9.87N 126.50E 0 4.3,4.1b ¶602268546
ISCJB XII 16 12 08 20.6–1.7 10.37N–.04 126.74E–.04 10–10 4.2b,4.1b
MAN XII 16 12 08 22.1 10.37N 126.57E 1 4.8b,3.7L
NEIC XII 16 12 08 23.6–.31 9.86N 126.49E 35 4.4b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=17.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.7km az=30.6.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.4km az=72.0.
IDC XII 16 17 00 35.9–4.4 10.79N 127.40E 0 3.3,3.2
¶602391477
IDC Error ellipse: s-maj=328.4km s-min=26.1km az=66.0.
MAN XII 16 19 29 34.5 10.33N 126.47E 6 4.8b,3.7L
¶604699903
ISC XII 17 01 04 14.5–2.3 10.36N–.05 126.48E–.08 7–13 3.8b 24 1-86
ISCJB XII 17 01 04 12.7–1.9 10.43N–.05 126.67E–.05 6–12 4.0b ¶602391514
IDC XII 17 01 04 13.2–.94 10.34N 126.38E 0 4.2,4.0
MAN XII 17 01 04 14.7 10.41N 126.51E 1 4.8b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.7km az=33.2.
IDC Error ellipse: s-maj=67.5km s-min=19.9km az=71.0.
ISC XII 17 21 21 11.2–1.9 10.27N–.03 126.49E–.07 8–11 3.9b 42 1-120
IDC XII 17 21 21 10.0–.69 10.31N 126.38E 0 4.1,4.0b ¶602391573
MAN XII 17 21 21 13.6 10.33N 126.51E 16 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=15.5km az=71.0.
MAN XII 17 21 46 31.0 10.37N 126.49E 11 4.7b,3.6L
¶604699959
MAN XII 17 22 05 30.3 10.29N 126.41E 5 4.3b,3.1L
¶604699960
MAN XII 18 13 58 24.1 10.66N 126.67E 88 4.0b,2.8L
¶604700016
MAN XII 18 18 09 15.7 19.07N 121.13E 11 4.4b,3.2L
¶604700017
ISC XII 21 17 36 52.1–1.3 20.16N–.06 121.5E–.10 43–18 3.3b 15 1-45
IDC XII 21 17 36 45.1–1.9 20.18N 121.84E 0 3.6,3.4 ¶602391818
ISCJB XII 21 17 36 51.4–.86 20.15N–.05 121.5E–.10 54–11 3.2b,2.1s
MAN XII 21 17 36 51.1 20.18N 121.46E 35 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=70.0km s-min=23.4km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=7.7km az=10.7.
ISC XII 21 22 24 17.5–1.8 6.8N–.20 127.8E–.20 150 3.4b 6 2-56
IDC XII 21 22 24 03.5–1.9 6.48N 126.23E 0 3.9,3.6 ¶602391829
ISCJB XII 21 22 24 15.8–1.5 6.9N–.20 127.8E–.10 150 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 22 14 53 36.1–.56 10.62N–.07 126.90E–.09 20 3.9b 23 2-146
IDC XII 22 14 53 33.1–.57 10.67N 126.86E 0 4.1,4.0 ¶602391873
ISCJB XII 22 14 53 34.2–.49 10.63N–.06 126.95E–.06 20 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XII 22 18 07 18.1–.41 19.12N–.02 121.20E–.03 40–3 5.0b,4.5s 776 1-176
MOS XII 22 18 07 16.4–.99 19.11N 121.19E 41 5.2b,4.4s ¶602056589
GCMT XII 22 18 07 17.5–.10 19.23N–.01 120.93E–.01 40–0 5.3W,4.4s
ISCJB XII 22 18 07 17.9–.34 19.13N–.01 121.24E–.02 53–3 5.0b,4.5s
NEIC XII 22 18 07 17.4–.45 19.06N 121.19E 39–4 5.1b,4.5s
IDC XII 22 18 07 18.0–1.5 19.04N 121.26E 41–12 4.8,4.7
MAN XII 22 18 07 18.3 19.16N 121.32E 82 5.7b,5.1s
BJI XII 22 18 07 19.0 19.43N 120.98E 30 5.0b,4.9L
ISC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=4.4km az=108.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c136; s92,c157;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.02 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.73±.02; $M_{r\theta}$-0.12±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$-0.37±.01; Best double couple: NP1:ϕ_s203.00000°,δ57.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ34.00000°,λ97.00000°. Principal axes: T 0.9440,Plg78.0000° ,Azm97.0000°; N 0.0770,Plg4.0000°,Azm206.0000°; P -1.0220,Plg11.0000°,Azm296.0000° $M_0$0.98300×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=172.8.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.5km az=96.0.
IDC Error ellipse: s-maj=11.8km s-min=7.6km az=80.0.
ISC XII 23 01 00 32.6–2.7 10.65N–.05 126.79E–.08 23–18 4.3b 84 2-152
IDC XII 23 01 00 28.9–.50 10.58N 126.68E 0 4.3,4.2 ¶602090236
MAN XII 23 01 00 31.8 10.64N 126.65E 1 4.8b,3.7L
ISCJB XII 23 01 00 33.2–1.2 10.61N–.04 126.83E–.07 43–10 4.3b,2.9s
NEIC XII 23 01 00 35.7–2.0 10.55N 126.77E 50–18 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=11.9km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=159.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=71.0.
IDC XII 23 01 59 12.1–2.7 20.18N 121.36E 0 3.6,3.4b
¶602391903
IDC Error ellipse: s-maj=235.8km s-min=26.0km az=61.0.
IDC XII 23 04 16 25.0–1.2 19.59N 120.14E 0 3.7,3.4
¶602391906
IDC Error ellipse: s-maj=63.1km s-min=24.0km az=73.0.
ISC XII 24 01 22 49.5–2.1 10.14N–.04 126.27E–.09 18–11 3.5b 26 1-120
IDC XII 24 01 22 45.7–.80 10.11N 125.94E 0 3.9,3.7 ¶602391960
ISCJB XII 24 01 22 48.9–1.6 10.12N–.04 126.38E–.06 25–11 3.7b,3.7
MAN XII 24 01 22 52.1 10.13N 126.16E 16 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=54.5km s-min=16.8km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.7km az=173.2.
ISC XII 24 03 41 40.2–1.2 13.2N–.10 125.9E–.20 40 3.5b 6 3-83
IDC XII 24 03 41 34.7–1.7 13.20N 125.83E 0 3.8,3.6 ¶602391964
ISCJB XII 24 03 41 38.4–1.1 13.2N–.10 125.9E–.20 40 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
MAN XII 25 16 40 19.2 10.61N 126.37E 1 4.6b,3.5L
¶604700324
ISC XII 25 18 59 46.8–1.9 10.61N–.04 126.45E–.07 13–11 3.6b 24 1-54
IDC XII 25 18 59 45.0–1.2 10.44N 126.12E 0 3.8,3.6b ¶602380597
MAN XII 25 18 59 47.2 10.61N 126.41E 10 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=18.9km az=66.0.
MAN XII 25 20 03 24.8 19.00N 121.25E 0 4.7b,3.6L
¶604700325
IDC XII 26 04 34 49.6–1.3 13.08N 125.68E 0 3.9,3.7
¶602380619
IDC Error ellipse: s-maj=66.1km s-min=19.5km az=65.0.
ISC XII 27 11 35 26.5–.81 13.86N–.05 125.06E–.05 10 3.6b 27 1-82
ISCJB XII 27 11 35 24.5–.71 13.88N–.05 125.29E–.06 10 3.5b,2.4s ¶602380713
IDC XII 27 11 35 24.7–.90 13.78N 125.09E 0 3.8,3.6
MAN XII 27 11 35 25.1 13.88N 125.10E 1 4.8b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.3km az=19.4.
IDC Error ellipse: s-maj=39.0km s-min=18.0km az=67.0.
ISC XII 27 16 32 50.2–.43 11.00N–.04 126.91E–.04 10 4.6b 77 2-93
ISCJB XII 27 16 32 48.8–.29 10.96N–.03 127.03E–.03 10 4.6b ¶602380674
IDC XII 27 16 32 49.1–.72 11.03N 127.21E 0 4.0,3.8
MAN XII 27 16 32 51.0 11.02N 126.80E 1 4.7b,3.6L
NEIC XII 27 16 32 50.5–.24 11.04N 127.27E 10 4.7b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=155.2.
IDC Error ellipse: s-maj=37.0km s-min=14.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.6km az=68.0.
ISC XII 27 17 10 17.7–.95 10.70N–.03 126.91E–.06 17–5 4.7b,3.1s 197 2-146
BJI XII 27 17 10 13.9 10.62N 127.65E 30 5.1b,4.8b ¶602059910
IDC XII 27 17 10 15.2–.49 10.59N 126.73E 0 4.3,4.3
DJA XII 27 17 10 17.8–.60 11N–4.0 127E–8.0 10 5.2b,4.6
MAN XII 27 17 10 18.3 10.77N 126.89E 33 5.5b,4.7s
MOS XII 27 17 10 18.8–.97 10.54N 126.79E 40 4.9b,4.7s
ISCJB XII 27 17 10 18.6–1.4 10.69N–.03 126.87E–.03 33–10 4.5b,3.1s
NEIC XII 27 17 10 22.5–1.0 10.56N 126.78E 55–10 4.9b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=11.3km az=72.0.
MOS Error ellipse: s-maj=18.4km s-min=6.4km az=123.4.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=161.2.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.6km az=69.0.
ISC XII 27 19 36 05.3–.77 10.59N–.08 126.76E–.08 44 3.8b 19 1-86
MAN XII 27 19 35 58.6 10.86N 126.90E 13 4.8b,3.7L ¶602380729
ISCJB XII 27 19 36 03.2–.68 10.60N–.07 126.83E–.05 44 3.9b,3.7L
IDC XII 27 19 36 06.1–7.0 10.46N 126.51E 48–67 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.0km az=22.2.
IDC Error ellipse: s-maj=57.9km s-min=17.6km az=62.0.
MAN XII 28 17 10 21.3 10.40N 126.65E 0 5.1b,4.2s
¶604700438
IDC XII 29 02 43 46.6–2.0 5.26N 127.55E 0 3.6,3.4
¶602380814
IDC Error ellipse: s-maj=111.1km s-min=23.6km az=70.0.
MAN XII 29 07 44 52.6 7.00N 127.25E 33 4.4b,3.2L
¶604700478
ISC XII 29 08 54 22.1–3.9 10.36N–.06 126.90E–.07 12–24 4.3b 66 2-151
IDC XII 29 08 54 20.0–.66 10.26N 126.82E 0 4.1,4.1b ¶602335541
ISCJB XII 29 08 54 21.7–2.6 10.37N–.04 126.98E–.05 22–18 4.2b,4.1b
MAN XII 29 08 54 23.7 10.63N 126.94E 33 4.6b,3.5L
NEIC XII 29 08 54 27.9–2.7 10.30N 126.96E 60–25 4.5b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=15.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=147.1.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.4km az=73.0.
ISC XII 30 03 13 22.9–.95 5.90N–.06 127.00E–.09 103–10 3.8b 26 1-90
ISCJB XII 30 03 13 21.8–.77 5.97N–.06 127.03E–.09 111–8 3.7b ¶602380871
MAN XII 30 03 13 22.2 6.12N 127.06E 129 4.6b,3.5L
IDC XII 30 03 13 23.6–2.3 6.02N 127.04E 112–19 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.8km az=153.5.
IDC Error ellipse: s-maj=53.2km s-min=11.5km az=62.0.

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ISC VII 01 00 41 22.0–2.8 18.72N–.08 120.96E–.09 16–16 3.4b,3.1s 15 1-48
MAN VII 01 00 41 23.7 18.65N 120.90E 17 4.9b,3.8L ¶601663342
IDC VII 01 00 41 28.2–3.4 18.91N 121.84E 107–34 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=17.6km az=77.0.
MAN VII 01 06 11 57.1 17.92N 121.06E 107 3.9b,2.7L
¶604683885
MAN VII 01 10 31 19.2 13.54N 123.35E 16 3.8b,2.5L
¶604683887
MAN VII 02 12 45 45.0 12.85N 123.58E 37 4.2b,3.1L
¶604683892
ISC VII 03 04 32 27.7–1.4 14.52N–.04 119.17E–.06 19–4 3.6b 24 1-85
IDC VII 03 04 32 25.6–.89 14.50N 119.04E 0 4.0,3.9 ¶601663422
MAN VII 03 04 32 26.5 14.59N 118.92E 33 4.0b,2.8L
ISCJB VII 03 04 32 27.8–2.8 14.55N–.04 119.06E–.07 32–22 3.7b,2.8L
ISC Event type ke.
ISCJB Event type ke.
MAN VII 03 14 07 28.9 12.54N 123.57E 69 4.3b,3.1L
¶604683896
MAN VII 06 10 01 01.0 18.91N 121.27E 13 4.3b,3.1L
¶604683908
MAN VII 06 16 56 34.6 18.47N 120.62E 1 4.4b,3.3L
¶604683911
MAN VII 07 14 51 54.9 15.51N 121.38E 26 4.1b,2.9L
¶604683915
MAN VII 07 20 02 34.8 16.17N 119.75E 14 4.7b,3.6L
¶604683919
MAN VII 08 22 12 30.1 16.41N 121.09E 12 4.5b,3.4L
¶604683928
MAN VII 09 03 23 57.8 16.11N 119.73E 12 4.9b,3.8L
¶604683931
MAN VII 09 16 08 16.6 15.72N 120.21E 0 4.6b,3.4L
¶604683934
MAN VII 10 14 37 19.2 16.62N 120.17E 51 4.6b,3.4L
¶604683939
MAN VII 10 14 53 02.0 14.08N 120.88E 32 4.1b,2.9L
¶604683940
MAN VII 10 17 54 54.9 13.76N 124.09E 8 4.1b,2.9L
¶604683945
ISC VII 12 00 09 26.5–.90 17.34N–.03 120.93E–.03 28–6 4.5b,3.4s 171 0-152
IDC VII 12 00 09 21.0–.42 17.19N 121.04E 0 4.3,4.2b ¶601266293
ISCJB VII 12 00 09 24.8–.53 17.29N–.02 120.93E–.03 27–4 4.4b,3.5s
MAN VII 12 00 09 24.4 17.39N 120.76E 14 5.1b,4.1s
BJI VII 12 00 09 27.9 17.23N 120.97E 56 4.7b,4.4b
NEIC VII 12 00 09 28.2–.60 17.23N 121.05E 51–5 4.6b,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=17.4km s-min=9.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=7.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=82.0. Felt [IV PIVS] at Balbalan, Bontoc, Bucloc, Lagangilang, Lagawe and San Juan; [III PIVS] at Baguio City and Candon. Also felt at Santa Lucia.
MAN VII 12 20 48 17.4 16.54N 120.12E 28 3.9b,2.6L
¶604683954
MAN VII 14 10 11 17.2 16.12N 119.80E 31 4.1b,2.9L

¶604683961

MAN VII 14 15 21 39.0 18.24N 120.72E 65 4.4b,3.3L

¶604683962

MAN VII 14 18 57 48.5 16.47N 120.72E 41 4.1b,2.9L

¶604683964

ISC VII 14 20 12 13.1–.39 14.91N–.03 119.73E–.04 41–3 4.8b,4.3s 458 1-172
MAN VII 14 20 12 06.9 14.93N 119.46E 1 5.7b,5.1s ¶601273352
BJI VII 14 20 12 10.8 14.67N 119.73E 37 4.9b,4.5b
MOS VII 14 20 12 11.0–.98 14.93N 119.82E 39 5.0b,4.4s
IDC VII 14 20 12 13.6–1.5 14.89N 119.79E 46–15 4.5,4.3
NEIC VII 14 20 12 13.7–.43 14.91N 119.84E 50–4 4.8b,4.3
GCMT VII 14 20 12 13.7–.30 15.12N 119.56E 28–1 5.0W,4.3
ISCJB VII 14 20 12 13.1–.34 14.97N–.02 119.87E–.02 55–3 4.8b,4.2s
DJA VII 14 20 12 18.1–.50 15N–4.0 120E–3.0 72–5 5.1b,4.8b
ISC Event type fe.
NEIC Event type fe. Felt at Olongapo.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s26,c30; s75,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.24 $M_{\theta\theta}$0.37±.13; $M_{\phi\phi}$-3.01±.15; $M_{r\theta}$-0.07±.20; $M_{\theta\phi}$-0.13±.06; $M_{\phi r}$-2.96±.24; Best double couple: NP1:ϕ_s182.00000°,δ68.00000°,λ89.00000°. NP2:ϕ_s3.00000°,δ22.00000°,λ91.00000°. Principal axes: T 3.9150,Plg67.0000°,Azm90.0000°; N 0.3710,Plg1.0000°,Azm182.0000°; P -4.2800,Plg23.0000°,Azm272.0000° M_o4.09800×10^{16}
ISCJB Event type fe.
ISC VII 14 20 23 43.3–1.3 15.03N–.03 119.60E–.06 35–5 3.5b 33 1-54
ISCJB VII 14 20 23 41.7–1.3 15.03N–.04 119.58E–.05 30–11 3.4b ¶601664580
MAN VII 14 20 23 41.1 15.03N 119.66E 15 5.1b,4.1s
IDC VII 14 20 23 47.1–1.5 15.01N 120.05E 78–19 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.7km az=161.6.
IDC Error ellipse: s-maj=47.2km s-min=16.1km az=59.0.
ISC VII 14 20 48 56.7–1.6 15.04N–.03 119.62E–.08 13–10 3.7b 25 1-85
ISCJB VII 14 20 48 54.4–1.5 15.00N–.03 119.49E–.07 1–9 3.8b,3.3s ¶601664583
IDC VII 14 20 48 54.2–1.0 14.56N 119.21E 0 3.9,3.8
MAN VII 14 20 48 56.9 15.01N 119.70E 12 4.9b,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.3km az=177.3.
IDC Error ellipse: s-maj=51.6km s-min=20.3km az=54.0.
ISC VII 17 07 43 32.6–1.7 18.23N–.04 120.81E–.05 6–12 4.3b,3.2s 42 1-77
IDC VII 17 07 43 30.2–.90 18.08N 121.02E 0 3.9,3.8 ¶601643159
MAN VII 17 07 43 31.1 18.36N 120.73E 0 5.0b,4.0L
ISCJB VII 17 07 43 33.1–1.1 18.33N–.04 120.74E–.06 15–10 4.1b,3.1s
NEIC VII 17 07 43 35.4–3.5 18.21N 121.16E 26–25 4.5b,3.1s
ISC Event type fe.
IDC Error ellipse: s-maj=28.5km s-min=18.2km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.5km az=16.2.
NEIC Event type fe. Error ellipse: s-maj=18.5km s-min=11.7km az=81.0. Felt [IV PIVS] at Bangui, Laoag, San Nicolas and Sarrat and [III PIVS] at Batac and Paoay.

MAN VII 18 19 30 37.2 14.04N 120.64E 136 4.2b,3.0L

¶604683978

ISC VII 18 22 27 41.1–.85 14.19N–.05 120.38E–.09 120 3.8b 22 0-55
ISCJB VII 18 22 27 40.9–.49 14.23N–.04 120.20E–.08 120 3.7b ¶601664808
IDC VII 18 22 27 40.4–2.5 13.95N 120.25E 126–30 3.7,3.4
MAN VII 18 22 27 41.2 14.19N 120.41E 124 4.0b,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.9km az=167.1.
IDC Error ellipse: s-maj=108.1km s-min=14.4km az=66.0.
IDC VII 20 07 07 01.0–3.8 14.44N 124.17E 0 3.5,3.3

¶601664863

IDC Error ellipse: s-maj=307.9km s-min=26.5km az=63.0.
ISC VII 21 03 56 45.1–1.9 16.86N–.05 120.00E–.08 29–15 3.7b 23 0-90
IDC VII 21 03 56 40.2–.95 16.80N 120.32E 0 3.9,3.8 ¶601664903
MAN VII 21 03 56 44.3 16.95N 119.79E 31 4.9b,3.8L
ISCJB VII 21 03 56 45.8–.82 16.94N–.05 119.90E–.07 39–11 3.7b,2.7s
ISC Event type ke.
ISCJB Event type ke.
MAN VII 21 10 09 39.5 16.94N 120.40E 32 4.6b,3.5L

¶604683988

MAN VII 23 12 22 22.9 18.03N 121.40E 8 4.6b,3.5L

¶604683998

ISC VII 23 17 34 39.8–1.5 15.00N–.03 119.64E–.07 30–11 4.0b 41 1-92
MAN VII 23 17 34 40.6 15.01N 119.77E 20 5.1b,4.1s ¶601666324
IDC VII 23 17 34 44.9–1.5 14.92N 119.89E 81–16 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=14.3km az=68.0.
MAN VII 24 17 01 42.8 16.48N 120.43E 1 4.8b,3.8L

¶604684009

MAN VII 24 20 17 46.6 16.24N 120.48E 22 4.7b,3.6L

¶604684011

ISC VII 25 20 33 31.7–1.1 17.5N–.20 120.7E–.20 22 3.2b 6 1-83
IDC VII 25 20 33 28.1–1.3 17.62N 120.92E 0 3.5,3.4 ¶601666438
ISCJB VII 25 20 33 30.0–.89 17.5N–.10 120.6E–.10 22 3.3b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC VII 26 05 49 48.5–1.5 16.51N–.03 122.32E–.08 14–9 3.7b 20 1-85
ISCJB VII 26 05 49 47.1–1.7 16.44N–.05 122.53E–.06 17–11 3.7b ¶601666459
MAN VII 26 05 49 50.3 16.46N 122.30E 15 4.6b,3.4L
IDC VII 26 05 49 57.8–3.3 16.44N 122.44E 100–32 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=9.0km az=20.1.
IDC Error ellipse: s-maj=49.7km s-min=20.0km az=77.0.
MAN VII 26 07 36 48.7 16.86N 122.27E 44 4.2b,3.0L

¶604684023

ISC VII 26 22 03 45.1–.83 18.62N–.04 120.91E–.05 53–8 4.2b,3.1s 101 1-150
MAN VII 26 22 03 40.6 18.67N 120.83E 5 4.6b,3.5L ¶601475822
BJI VII 26 22 03 41.3 18.27N 120.92E 41 4.3b,4.1b
ISCJB VII 26 22 03 43.5–.38 18.64N–.02 120.94E–.05 54–5 4.1b,3.2s
NEIC VII 26 22 03 43.8–.79 18.58N 120.91E 39–7 4.4b,3.2s
IDC VII 26 22 03 44.8–1.9 18.59N 121.07E 60–18 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=5.2.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.9km az=117.0.
IDC Error ellipse: s-maj=17.1km s-min=9.9km az=85.0.
MAN VII 26 22 22 28.1 18.12N 120.97E 29 4.1b,2.9L

¶604684030

ISC VII 27 07 55 43.6–1.2 16.32N–.03 120.13E–.06 20–5 3.8b,3.1s 24 0-85
IDC VII 27 07 55 39.6–.90 16.05N 120.08E 0 4.0,3.8b ¶601666512
MAN VII 27 07 55 42.4 16.34N 120.19E 9 5.1b,4.1s
ISCJB VII 27 07 55 43.5–.60 16.32N–.04 120.08E–.07 27–5 3.7b,3.1s
ISC Event type ke.
ISCJB Event type ke.
MAN VII 27 09 09 40.5 17.51N 120.25E 31 4.7b,3.6L

¶604684034

MAN VII 27 15 28 05.8 15.58N 119.66E 31 4.9b,3.8L

¶604684036

ISC VII 28 00 54 06.5–1.2 16.32N–.04 119.74E–.07 33–8 3.9b 33 0-85
ISCJB VII 28 00 54 06.5–.93 16.42N–.04 119.59E–.08 38–10 3.9b,3.1s ¶601666548
MAN VII 28 00 54 07.0 16.36N 119.70E 28 4.9b,3.8L
IDC VII 28 00 54 14.8–1.5 16.18N 119.90E 120–16 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.5km az=4.3.
IDC Error ellipse: s-maj=39.6km s-min=13.5km az=60.0.
MAN VII 29 04 21 11.5 12.36N 123.69E 9 4.2b,3.0L

¶604684042

ISC VII 30 15 43 29.2–1.2 17.86N–.04 120.61E–.04 6–7 4.4b,3.5s 105 0-117
IDC VII 30 15 43 27.0–.51 17.56N 120.85E 0 4.2,4.1 ¶601494719
MAN VII 30 15 43 26.1 18.01N 120.44E 1 5.5b,4.7s
ISCJB VII 30 15 43 29.3–.76 17.85N–.03 120.61E–.03 11–5 4.3b,3.5s
BJI VII 30 15 43 33.4 18.25N 120.47E 8 4.6b,4.4b
MOS VII 30 15 43 34.8–.93 17.63N 120.80E 75 4.7b,4.4b
NEIC VII 30 15 43 36.0–1.2 17.62N 120.73E 68–12 4.4b,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=17.7km s-min=11.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.2km az=31.9.
MOS Error ellipse: s-maj=12.1km s-min=6.4km az=104.7.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=6.3km az=96.0. Felt [III PIVS] at Badoc, Currimao and Pinili; [II PIVS] at Laoag, Paoay, San Nicolas, Sinait and Vigan.

MAN VII 31 22 12 49.4 15.47N 119.35E 15 4.8b,3.7L

¶604684059

MAN VIII 04 00 45 52.3 15.92N 119.83E 25 4.4b,3.3L

¶604684081

MAN VIII 05 16 01 21.8 16.01N 120.10E 32 4.3b,3.1L

¶604684094

MAN VIII 06 06 22 13.2 16.94N 120.79E 17 4.0b,2.8L

¶604684097

MAN VIII 06 06 23 53.6 16.95N 120.75E 16 4.3b,3.1L

¶604684098

MAN VIII 06 15 54 43.1 16.14N 119.80E 26 4.6b,3.5L

¶604684100

MAN VIII 07 23 12 12.0 12.73N 123.57E 10 4.5b,3.4L

¶604684105

MAN VIII 09 16 42 57.4 12.77N 123.17E 16 4.0b,2.7L

¶604684113

ISC VIII 16 01 06 26.6–1.2 15.97N–.03 120.12E–.05 17–8 4.0b,3.4s 41 0-85
MAN VIII 16 01 06 27.7 15.93N 120.06E 15 4.6b,3.5L ¶601765912
IDC VIII 16 01 06 33.6–1.6 16.00N 120.21E 79–17 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=12.3km az=73.0.
MAN VIII 16 01 41 51.2 13.10N 123.34E 8 4.1b,2.9L

¶604684143

MAN VIII 16 01 41 52.2 13.29N 123.31E 5 4.0b,2.8L

¶604684140

MAN VIII 16 05 13 24.7 16.66N 120.07E 46 3.9b,2.7L

¶604684144

ISC VIII 16 13 52 25.4–1.0 14.80N–.06 124.3E–.10 35 3.7b 15 1-51
IDC VIII 16 13 52 19.3–1.2 14.77N 124.82E 0 4.6L,3.9 ¶601765944
MAN VIII 16 13 52 24.7 14.89N 124.26E 29 5.0b,4.0L
ISCJB VIII 16 13 52 25.1–1.0 14.89N–.06 124.2E–.10 33 3.7b,4.0L
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 16 15 55 13.4–1.9 13.94N 124.59E 0 3.6,3.3b

¶601765949

IDC Error ellipse: s-maj=81.6km s-min=22.5km az=57.0.
ISC VIII 17 09 39 59.8–1.4 19.0N–.10 121.34E–.09 46 3.2b 13 1-44
IDC VIII 17 09 39 52.6–3.8 18.83N 121.78E 0 3.5,3.4 ¶601765979
ISCJB VIII 17 09 39 59.5–1.3 18.99N–.08 121.28E–.09 46 3.2b,3.4
MAN VIII 17 09 39 59.0 18.94N 121.24E 22 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=313.8km s-min=27.8km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=11.0km az=5.0.
MAN VIII 20 15 13 27.9 15.65N 119.99E 1 4.6b,3.5L

¶604684166

MAN VIII 22 14 57 04.0 17.99N 122.54E 21 4.4b,3.3L

¶604684175

MAN VIII 24 17 49 29.3 17.93N 121.42E 36 3.5b,2.2L

¶604684184

MAN VIII 25 18 22 21.4 16.20N 119.84E 30 4.2b,3.0L

¶604684189

MAN VIII 25 21 14 17.1 18.24N 121.26E 1 4.4b,3.2L

¶604684190

MAN VIII 26 04 43 47.6 17.25N 122.53E 11 4.6b,3.5L

¶604684192

ISC VIII 27 04 28 40.2–1.1 18.00N–.03 120.78E–.03 14–7 4.6b 118 0-91
MAN VIII 27 04 28 38.4 18.07N 120.71E 9 5.3b,4.5s ¶601626909
ISCJB VIII 27 04 28 41.4–.66 18.00N–.03 120.86E–.03 30–5 4.4b,4.5s
IDC VIII 27 04 28 43.3–3.7 17.67N 120.97E 51–34 4.4,4.3L
NEIC VIII 27 04 28 45.0–1.1 17.77N 120.99E 65–10 4.6b,4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.7km az=26.5.
IDC Error ellipse: s-maj=14.8km s-min=11.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=7.3km az=91.0. Felt [IV PIVS] at Badoc, Batac, Currimao, Laoag, Paoay and Pasuquin; [III PIVS] at Bangued, Burgos, Dingras, Nueva Era, Pagudpud, Sinait, Solsona and Tuguegarao; [II PIVS] at Magsingal and Vigan.

MAN VIII 28 02 09 07.7 16.15N 120.85E 31 4.3b,3.2L

¶604684200

MAN VIII 28 12 53 53.2 17.55N 120.24E 39 4.2b,3.0L

¶604684203

MAN VIII 31 05 39 59.2 16.94N 122.91E 3 4.7b,3.5L

¶604684209

MAN VIII 31 19 20 14.2 12.95N 122.70E 18 4.2b,3.0L

¶604684215

MAN IX 01 16 53 51.7 17.28N 120.01E 31 3.9b,2.7L

¶604684219

MAN IX 01 19 48 51.3 18.04N 122.35E 33 4.3b,3.2L

¶604684220

MAN IX 02 20 08 20.7 12.39N 123.68E 9 3.5b,2.2L

¶604684230

MAN IX 03 00 34 06.7 18.57N 120.97E 14 4.1b,2.9L

¶604684235

MAN IX 04 20 30 06.6 17.67N 120.29E 28 4.4b,3.2L

¶604684282

MAN IX 05 16 40 20.1 17.93N 120.19E 15 4.3b,3.1L

¶604684294

MAN IX 06 19 29 47.9 17.87N 120.83E 36 3.8b,2.6L

¶604684308

MAN IX 07 11 28 52.8 18.80N 121.36E 27 4.4b,3.3L

¶604684312

MAN IX 08 20 22 16.1 17.40N 120.23E 18 4.2b,3.1L

¶604684319

MAN IX 10 19 00 10.6 16.61N 119.99E 32 4.2b,3.0L

¶604684346

MAN IX 11 04 29 54.9 16.55N 122.16E 33 3.9b,2.7L

¶604684349

MAN IX 11 08 58 39.5 13.47N 124.62E 68 4.4b,3.2L

¶604684350

MAN IX 11 15 50 23.9 12.48N 123.58E 8 4.5b,3.3L

¶604684354

ISC IX 11 17 04 29.9–.73 18.07N–.05 121.3E–.20 28 30 2-64
MAN IX 11 17 04 25.0 18.02N 119.60E 14 4.9b,3.9s ¶601839195
ISCJB IX 11 17 04 27.9–.56 18.04N–.04 121.2E–.20 28 4.9b,3.9s
NEIC IX 11 17 04 27.5–5.9 17.97N 121.15E 11–39 4.2b,3.9s
IDC IX 11 17 04 28.9–1.2 17.82N 121.92E 0 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=4.8km az=174.9.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.6km az=78.0.
IDC Error ellipse: s-maj=76.2km s-min=20.2km az=76.0.
MAN IX 13 23 22 17.2 17.98N 120.99E 17 3.9b,2.7L

¶604684365

ISC IX 14 19 56 13.8–1.1 12.18N–.03 122.04E–.06 8–8 3.4b 21 0-51
ISCJB IX 14 19 56 12.9–1.2 12.19N–.04 122.14E–.06 3–8 3.3b ¶601863547
MAN IX 14 19 56 13.5 12.26N 122.09E 3 4.4b,3.3L
IDC IX 14 19 56 20.5–3.1 12.27N 122.11E 62–30 4.3L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.8km az=153.3.
IDC Error ellipse: s-maj=60.3km s-min=19.9km az=65.0.
ISC IX 15 17 38 49.1–1.1 12.77N–.02 122.33E–.03 14–8 4.2b 54 1-82
MAN IX 15 17 38 47.3 12.80N 122.34E 6 5.0b,4.1s ¶601863593
IDC IX 15 17 38 47.6–1.1 12.86N 122.21E 0 4.3,4.2b
ISCJB IX 15 17 38 48.6–.51 12.80N–.02 122.28E–.03 22–5 4.1b,3.5s
ISC Event type ke.
ISCJB Event type ke.
MAN IX 15 18 02 49.9 12.86N 122.33E 1 4.1b,2.9L

¶604684373

ISC	**IX**	**15 21 36 07.5–1.1**	**13.60N–.03**	**122.68E–.03**	**12–8**	**3.5b**	**38**	**0-50**
IDC	IX	15 21 36 04.7–1.4	13.55N	122.87E	0	3.6,3.5		¶601863608
MAN	IX	15 21 36 08.1	13.64N	122.65E	12	4.7b,3.6L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=37.0km s-min=21.9km az=48.0.							
ISC	**IX**	**16 03 28 29.3–1.6**	**13.01N–.04**	**124.37E–.06**	**25–12**	**4.0b,3.1s**	**38**	**1-89**
MAN	IX	16 03 28 30.1	13.04N	124.33E	60	4.7b,3.6L		¶601863631
IDC	IX	16 03 28 36.8–3.2	12.82N	124.13E	94–30	4.0,3.8		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=30.8km s-min=11.6km az=72.0.							
MAN	**IX**	**16 06 45 10.9**	**13.23N**	**124.50E**	**22**	**4.2b,3.0L**		
								¶604684376
MAN	**IX**	**16 09 38 06.9**	**13.13N**	**124.40E**	**33**	**3.8b,2.6L**		
								¶604684378
MAN	**IX**	**16 19 54 03.6**	**13.24N**	**124.51E**	**21**	**4.1b,2.9L**		
								¶604684387
MAN	**IX**	**17 14 06 58.3**	**17.13N**	**122.66E**	**17**	**4.3b,3.1L**		
								¶604684403
ISC	**IX**	**18 07 54 52.0–1.3**	**14.95N–.04**	**121.82E–.07**	**25–13**	**3.5b**	**21**	**1-50**
IDC	IX	18 07 54 45.6–1.2	14.76N	122.43E	0	3.6,3.5		¶601863751
MAN	IX	18 07 54 49.7	15.02N	121.99E	2	4.5b,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=21.4km s-min=16.8km az=163.0.							
MAN	**IX**	**18 13 35 02.0**	**14.93N**	**120.98E**	**22**	**3.8b,2.5L**		
								¶604684416
MAN	**IX**	**18 15 00 56.8**	**17.87N**	**120.77E**	**6**	**4.1b,2.9L**		
								¶604684419
MAN	**IX**	**19 11 04 39.7**	**17.87N**	**120.64E**	**3**	**4.6b,3.4L**		
								¶604684425
MAN	**IX**	**19 15 17 32.1**	**17.82N**	**120.78E**	**1**	**4.6b,3.5L**		
								¶604684426
MAN	**IX**	**19 23 29 03.3**	**12.49N**	**123.44E**	**1**	**4.0b,2.8L**		
								¶604684430
MAN	**IX**	**20 20 40 07.5**	**14.16N**	**119.97E**	**23**	**3.9b,2.7L**		
								¶604684439
ISC	**IX**	**21 01 56 30.2–2.0**	**14.3N–.20**	**124.2E–.10**	**21–7**	**3.8b,3.4s**	**16**	**1-49**
MAN	IX	21 01 56 30.9	14.31N	124.19E	18	4.9b,3.9L		¶601863934
IDC	IX	21 01 56 30.6–32	14.00N	125.17E	0	3.9,3.8b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=575.4km s-min=278.7km az=152.0.							
MAN	**IX**	**21 19 43 36.4**	**17.22N**	**120.14E**	**30**	**4.3b,3.1L**		
								¶604684448
MAN	**IX**	**22 05 03 34.0**	**16.16N**	**122.37E**	**2**	**3.5b,2.2L**		
								¶604684454
MAN	**IX**	**23 18 39 56.5**	**13.83N**	**122.89E**	**15**	**4.4b,3.2L**		
								¶604684466
MAN	**IX**	**23 19 10 55.4**	**14.04N**	**120.46E**	**117**	**3.7b,2.5L**		
								¶604684467
MAN	**IX**	**23 20 33 43.6**	**15.48N**	**119.38E**	**26**	**4.7b,3.6L**		
								¶604684468
ISC	**IX**	**24 01 53 14.6–1.5**	**15.51N–.03**	**119.52E–.07**	**24–11**	**4.0b,3.3s**	**46**	**0-89**
ISCJB	IX	24 01 53 13.0–1.0	15.54N–.04	119.39E–.04	23–7	4.0b,3.4s		¶601864067
MAN	IX	24 01 53 13.5	15.53N	119.43E	15	4.5b,3.4L		
IDC	IX	24 01 53 22.1–1.5	15.64N	119.73E	89–16	4.0,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=5.9km az=16.5.							
IDC	Error ellipse: s-maj=22.5km s-min=11.6km az=72.0.							
MAN	**IX**	**24 04 55 44.8**	**13.19N**	**124.51E**	**33**	**3.8b,2.5L**		
								¶604684470
MAN	**IX**	**27 06 35 38.9**	**12.41N**	**123.62E**	**10**	**4.4b,3.3L**		
								¶604684479
MAN	**IX**	**27 09 00 41.1**	**12.44N**	**123.50E**	**16**	**4.1b,2.8L**		
								¶604684481
ISC	**IX**	**27 19 20 56.5–1.7**	**18.78N–.05**	**120.99E–.06**	**15–11**	**3.7b**	**30**	**1-116**
MAN	IX	27 19 20 59.8	18.61N	120.90E	11	4.9b,3.8L		¶601864306
IDC	IX	27 19 21 10.8–2.4	18.62N	121.17E	166–26	3.8,3.4		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=21.5km s-min=15.8km az=78.0.							
MAN	**IX**	**28 04 31 33.4**	**15.91N**	**121.87E**	**44**	**4.7b,3.5L**		
								¶604684484
MAN	**IX**	**30 14 30 50.6**	**16.19N**	**119.84E**	**31**	**4.2b,3.1L**		
								¶604684499
MAN	**X**	**01 18 42 38.5**	**16.08N**	**120.10E**	**14**	**4.3b,3.1L**		
								¶604684501
MAN	**X**	**03 17 41 37.1**	**12.52N**	**123.59E**	**58**	**4.6b,3.5L**		
								¶604684512
ISC	**X**	**06 18 34 32.4–.90**	**14.08N–.04**	**120.48E–.08**	**151–8**	**3.6b**	**25**	**0-49**
ISCJB	X	06 18 34 31.7–.53	14.08N–.04	120.47E–.09	152–6	3.5b		¶601997307
MAN	X	06 18 34 32.3	14.08N	120.43E	137	4.6b,3.5L		
IDC	X	06 18 34 32.1–2.1	13.30N	120.14E	99–27	3.7,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.1km s-min=5.6km az=170.1.							
IDC	Error ellipse: s-maj=44.1km s-min=17.9km az=58.0.							
ISC	**X**	**07 03 14 25.8–.37**	**18.64N–.02**	**120.99E–.03**	**52–3**	**5.3b,5.0s**	**1238**	**1-172**
IDC	X	07 03 14 22.6–2.5	18.56N	121.01E	29–17	5.0,4.9		¶601795072
MOS	X	07 03 14 22.9–1.1	18.63N	120.98E	41	5.5b,5.0s		
BJI	X	07 03 14 22.4	18.73N	120.95E	22	5.4b,5.1L		
NEIC	X	07 03 14 24.0–.57	18.54N	120.94E	40–5	5.6W,5.5b		
ISCJB	X	07 03 14 24.9–.27	18.67N–.01	120.94E–.02	56–2	5.3b,4.9s		
GCMT	X	07 03 14 25.0–.10	18.80N–.01	120.70E–.01	51–0	5.5W,4.9s		
MAN	X	07 03 14 25.1	18.69N	120.89E	29	6.0b,5.6s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=10.2km s-min=8.5km az=59.0.							
MOS	Error ellipse: s-maj=6.4km s-min=3.8km az=114.5.							
NEIC	Event type fe. Error ellipse: s-maj=3.6km s-min=3.4km az=83.0. Felt [V PIVS] at Sarrat; [IV PIVS] at Batac, Buguey, Sinait and on Camiguin Island; [III PIVS] at Bangued, Penablanca and Tuguegarao; [II PIVS] at Baguio City and Burgos. Also felt at Santa. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-3.47 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.41 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s192.00000°,δ53.00000°,λ98.00000°. NP2:ϕ_s359.00000°,δ38.00000°,λ80.00000°. Principal axes: T 3.0100,Plg80.0000°,Azm136.0000° ; N 0.6100,Plg6.0000°,Azm7.0000°; P -3.6200,Plg7.0000°,Azm276.0000° $M_0$3.40000×10^{17}							
ISCJB	Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=176.7.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c209; s120,c261; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.25±.04 $M_{\theta\theta}$-0.47±.03; $M_{\phi\phi}$-1.78±.03; $M_{r\theta}$-0.18±.02; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$-0.88±.03; Best double couple: NP1:ϕ_s204.00000°,δ55.00000°,λ81.00000°. NP2:ϕ_s40.00000°,δ36.00000°,λ103.00000°. Principal axes: T 2.4360,Plg78.0000°,Azm81.0000°; N 0.2620,Plg8.0000°,Azm209.0000° ; P -2.6980,Plg10.0000°,Azm300.0000° $M_0$2.56700×10^{17}							
ISC	**X**	**07 10 07 28.3–1.4**	**18.28N–.04**	**120.87E–.07**	**19–5**	**3.6b**	**28**	**1-45**
IDC	X	07 10 07 24.4–1.1	18.11N	121.05E	0	3.8,3.6		¶601997359
MAN	X	07 10 07 27.9	18.35N	120.82E	8	4.7b,3.6L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=42.0km s-min=19.5km az=66.0.							
MAN	**X**	**07 17 15 41.8**	**13.79N**	**123.68E**	**4**	**4.4b,3.3L**		
								¶604684573
MAN	**X**	**08 10 38 04.6**	**17.63N**	**120.79E**	**31**	**4.5b,3.3L**		
								¶604684578
MAN	**X**	**08 15 14 24.9**	**15.36N**	**119.63E**	**29**	**4.7b,3.6L**		
								¶604684579
IDC	**X**	**09 02 31 50.2–1.2**	**18.71N**	**121.53E**	**0**	**3.8,3.6**		
								¶601997590
IDC	Error ellipse: s-maj=41.6km s-min=20.8km az=65.0.							
ISC	**X**	**12 18 53 02.7–.53**	**14.40N–.03**	**120.44E–.04**	**129–5**	**4.7b**	**220**	**1-92**
NEIC	X	12 18 53 00.5–.47	14.39N	120.63E	110–4	4.8b		¶601829129
MAN	X	12 18 53 01.9	14.39N	120.29E	117	5.4b,4.7s		
ISCJB	X	12 18 53 02.0–.23	14.42N–.02	120.60E–.03	138–2	4.6b,4.7s		
IDC	X	12 18 53 02.8–.33	14.32N	120.59E	133–3	4.3,4.0		
BJI	X	12 18 53 02.5	14.45N	120.67E	143	4.8b,4.7b		
DJA	X	12 18 53 15.0–2.3	14N–10	120E–6.0	238–34	4.9b,4.6b		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
MAN	**X**	**13 11 52 25.3**	**16.40N**	**122.25E**	**48**	**4.0b,2.8L**		
								¶604684597
MAN	**X**	**13 17 24 13.2**	**18.82N**	**120.92E**	**21**	**4.0b,2.8L**		
								¶604684598
IDC	**X**	**14 09 22 35.9–3.6**	**17.96N**	**122.78E**	**0**	**3.9,3.7b**		
								¶601998198
IDC	Error ellipse: s-maj=285.4km s-min=27.4km az=62.0.							
MAN	**X**	**14 14 19 52.4**	**17.52N**	**122.33E**	**23**	**4.3b,3.1L**		
								¶604684602
ISC	**X**	**16 17 37 00.4–1.3**	**15.19N–.02**	**119.87E–.06**	**33–9**	**4.1b**	**47**	**1-89**
MAN	X	16 17 37 01.1	15.13N	119.80E	22	4.8b,3.7L		¶601874164
IDC	X	16 17 37 06.4–1.1	15.09N	120.14E	91–11	3.9,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=23.9km s-min=12.5km az=73.0.							
MAN	**X**	**16 19 51 20.4**	**18.25N**	**120.81E**	**30**	**4.9b,3.8L**		
								¶604684616
ISC	**X**	**17 02 22 20.5–1.8**	**17.77N–.07**	**122.66E–.10**	**34–3**	**3.4b**	**14**	**1-44**
ISCJB	X	17 02 22 20.4–1.2	17.79N–.06	122.64E–.10	51–12	3.5b		¶601998603
MAN	X	17 02 22 21.2	17.79N	122.56E	28	4.4b,3.3L		
IDC	X	17 02 22 23.7–3.6	16.89N	123.26E	0	3.8,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=16.3km s-min=8.9km az=154.2.							
IDC	Error ellipse: s-maj=285.4km s-min=26.1km az=62.0.							
MAN	**X**	**17 13 20 33.2**	**16.36N**	**120.69E**	**3**	**3.7b,2.4L**		
								¶604684620
MAN	**X**	**17 20 22 30.8**	**16.67N**	**120.39E**	**16**	**3.9b,2.7L**		
								¶604684622
MAN	**X**	**18 10 45 56.6**	**18.92N**	**121.28E**	**3**	**4.6b,3.4L**		
								¶604684623
MAN	**X**	**20 10 53 09.3**	**16.14N**	**122.13E**	**51**	**4.2b,3.1L**		
								¶604684633
MAN	**X**	**20 19 17 32.4**	**16.33N**	**120.49E**	**7**	**4.3b,3.1L**		
								¶604684636
ISC	**X**	**21 15 33 15.7–1.2**	**15.78N–.03**	**121.01E–.04**	**8–9**	**3.9b**	**42**	**0-86**
MAN	X	21 15 33 15.8	15.86N	120.98E	3	4.9b,3.8L		¶601874188
NEIC	X	21 15 33 15.4–1.0	15.75N	121.27E	10	4.0b,3.8L		
ISCJB	X	21 15 33 16.1–.71	15.89N–.03	121.01E–.03	13–5	3.8b,3.2s		
IDC	X	21 15 33 18.4–7.8	15.25N	119.57E	33–59	3.8,3.8		
ISC	Event type fe.							
NEIC	Event type fe. Error ellipse: s-maj=32.6km s-min=9.0km az=107.0. Felt [II PIVS] at Baguio City and Palayan City; [I PIVS] at Quezon City.							
ISCJB	Event type fe. Error ellipse: s-maj=5.3km s-min=4.5km az=140.2.							
IDC	Error ellipse: s-maj=66.6km s-min=24.1km az=78.0.							
MAN	**X**	**21 15 57 25.4**	**16.13N**	**120.18E**	**14**	**4.4b,3.2L**		
								¶604684639
MAN	**X**	**21 16 02 07.4**	**16.15N**	**120.17E**	**6**	**4.1b,2.9L**		
								¶604684640
MAN	**X**	**21 20 08 20.4**	**16.33N**	**120.62E**	**7**	**4.4b,3.3L**		
								¶604684642
MAN	**X**	**22 11 33 20.6**	**16.22N**	**120.44E**	**82**	**4.2b,3.1L**		
								¶604684648
MAN	**X**	**23 05 42 08.7**	**16.34N**	**120.62E**	**31**	**4.0b,2.8L**		
								¶604684649
MAN	**X**	**24 02 33 10.0**	**16.28N**	**120.46E**	**33**	**4.4b,3.2L**		
								¶604684652
MAN	**X**	**27 18 41 31.1**	**14.31N**	**123.16E**	**1**	**4.0b,2.8L**		
								¶604684668
MAN	**X**	**27 18 42 58.6**	**15.50N**	**121.97E**	**88**	**4.2b,3.1L**		
								¶604684669
MAN	**X**	**28 14 56 28.1**	**16.25N**	**120.65E**	**17**	**4.6b,3.5L**		
								¶604684671
MAN	**X**	**29 06 22 28.6**	**12.91N**	**123.57E**	**71**	**3.8b,2.6L**		
								¶604684675
MAN	**X**	**29 12 55 31.4**	**14.17N**	**124.73E**	**1**	**4.7b,3.6L**		
								¶604684680
MAN	**X**	**30 15 28 11.9**	**16.40N**	**122.38E**	**18**	**4.3b,3.1L**		
								¶604684683
ISC	**X**	**31 02 07 21.2–1.1**	**14.94N–.02**	**121.53E–.04**	**17–8**	**4.0b,2.9s**	**61**	**1-87**
IDC	X	31 02 07 19.0–.76	14.93N	121.60E	0	4.0,3.9b		¶602000559
MAN	X	31 02 07 22.6	14.99N	121.41E	12	4.9b,3.8L		
NEIC	X	31 02 07 24.0–.25	14.91N	121.57E	35	4.5b,3.8L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=21.3km s-min=12.5km az=102.0.							
NEIC	Event type fe. Error ellipse: s-maj=7.3km s-min=4.9km az=81.0. Felt [III PIVS] at Cainta, Makati, Pasig, Quezon City, Rodriguez and Taguig.							
MAN	**X**	**31 09 51 37.8**	**16.23N**	**120.62E**	**23**	**4.3b,3.1L**		
								¶604684685
MAN	**X**	**31 19 33 52.3**	**16.79N**	**120.31E**	**2**	**4.3b,3.2L**		
								¶604684688
IDC	**XI**	**02 15 19 47.3–1.5**	**14.93N**	**122.18E**	**0**	**3.9,3.7b**		
								¶602388723
IDC	Error ellipse: s-maj=25.6km s-min=17.9km az=156.0.							
MAN	**XI**	**02 18 58 18.8**	**16.45N**	**119.98E**	**32**	**4.3b,3.1L**		
								¶604684696
ISC	**XI**	**03 01 16 06.8–.56**	**16.93N–.05**	**121.2E–.10**	**35**	**3.8b,2.9s**	**25**	**1-76**
MAN	XI	03 01 16 02.7	16.87N	120.99E	5	4.7b,3.5L		¶602388749
ISCJB	XI	03 01 16 04.6–.43	16.91N–.04	121.12E–.08	33	3.9b,2.9s		
IDC	XI	03 01 16 10.3–1.9	16.84N	121.25E	74–21	4.0,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.7km s-min=5.7km az=9.3.							
IDC	Error ellipse: s-maj=19.9km s-min=11.8km az=85.0.							
MAN	**XI**	**03 01 36 47.5**	**16.89N**	**120.95E**	**3**	**4.4b,3.2L**		
								¶604684701
ISC	**XI**	**03 18 40 53.9–.74**	**17.48N–.03**	**120.19E–.04**	**50–8**	**4.3b,3.6s**	**143**	**1-87**
MAN	XI	03 18 40 50.1	17.69N	119.92E	30	5.3b,4.4s		¶601869861
ISCJB	XI	03 18 40 53.5–.30	17.49N–.02	120.31E–.03	67–4	4.3b,4.4s		
NEIC	XI	03 18 40 53.1–.58	17.45N	120.38E	50–6	4.4b,4.4s		
IDC	XI	03 18 40 56.8–2.9	17.39N	120.38E	85–29	4.0,3.8		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=8.5.							
NEIC	Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=94.0. Felt [III PIVS] at Cauayan, Santa Catalina, San Vicente and Vigan; [II PIVS] at Bantay, Burgos, Narvacan, Santa and Santa Maria.							
IDC	Error ellipse: s-maj=25.0km s-min=12.3km az=72.0.							
ISC	**XI**	**05 08 40 05.5–1.1**	**16.26N–.03**	**120.83E–.04**	**7–9**	**3.6b**	**25**	**0-42**
IDC	XI	05 08 40 02.2–2.0	16.60N	121.34E	0	4.8L,4.2		¶602388852
MAN	XI	05 08 40 06.2	16.19N	120.81E	25	5.0b,4.0s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=37.5km s-min=23.5km az=79.0.							
MAN	**XI**	**05 21 49 33.9**	**16.29N**	**120.69E**	**19**	**4.6b,3.5L**		
								¶604684714
MAN	**XI**	**06 03 11 50.6**	**16.24N**	**120.58E**	**23**	**4.1b,2.9L**		
								¶604684715
ISC	**XI**	**06 18 48 44.3–1.4**	**18.66N–.04**	**120.81E–.05**	**28–11**	**4.1b,3.2s**	**65**	**1-92**
IDC	XI	06 18 48 39.4–.86	18.51N	121.14E	0	4.1L,3.8		¶602054263
MAN	XI	06 18 48 44.7	18.68N	120.71E	7	5.0b,4.0L		
NEIC	XI	06 18 48 44.5–.66	18.48N	121.03E	36–7	4.3b,4.0L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=28.0km s-min=16.8km az=79.0.							
NEIC	Event type se. Error ellipse: s-maj=8.1km s-min=5.7km az=99.0.							
IDC	**XI**	**06 18 59 57.1–1.2**	**18.71N**	**121.31E**	**0**	**3.6,3.4**		
								¶602388921
IDC	Error ellipse: s-maj=54.0km s-min=21.6km az=58.0.							
MAN	**XI**	**07 08 20 51.6**	**16.18N**	**120.35E**	**25**	**4.6b,3.5L**		
								¶604684719
MAN	**XI**	**07 14 54 19.3**	**16.29N**	**120.42E**	**24**	**4.5b,3.4L**		
								¶604684720
ISC	**XI**	**08 21 24 35.5–.75**	**14.02N–.03**	**120.44E–.06**	**131–7**	**3.7b**	**35**	**0-87**
ISCJB	XI	08 21 24 34.4–.38	14.01N–.03	120.42E–.06	133–4	3.6b		¶602389056

IDC XI 08 21 24 35.7–.58 14.08N 120.82E 135–5 3.9,3.6
MAN XI 08 21 24 35.3 14.02N 120.37E 113 4.7b,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.6km az=172.9.
IDC Error ellipse: s-maj=32.3km s-min=12.8km az=66.0.
MAN XI 09 17 48 33.0 17.21N 121.71E 48 4.5b,3.4L
¶604684730
ISC XI 10 02 33 40.4–1.4 18.83N–.04 121.15E–.06 24–12 3.7b 24 1-46
IDC XI 10 02 33 33.9–1.2 18.60N 121.62E 0 4.0,3.8 **¶602389128**
MAN XI 10 02 33 42.0 18.76N 121.22E 54 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=19.3km az=56.0.
ISC XI 10 10 47 11.8–1.2 17.33N–.04 122.69E–.06 50–11 25 0-42
ISCJB XI 10 10 47 10.6–.68 17.32N–.04 122.73E–.06 55–8 3.6b **¶604684735**
MAN XI 10 10 47 11.9 17.26N 122.66E 38 4.8b,3.7L
IDC XI 10 10 48 04.4–5.1 10.55N 124.59E 0 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.6km az=159.1.
IDC Error ellipse: s-maj=293.2km s-min=31.8km az=90.0.
MAN XI 11 06 32 37.6 16.32N 120.40E 22 4.6b,3.5L
¶604684738
ISC XI 12 05 18 14.5–1.3 16.47N–.05 119.96E–.09 66–9 16 0-42
ISCJB XI 12 05 18 14.6–.89 16.39N–.06 120.03E–.08 70–6 3.5b **¶604684743**
MAN XI 12 05 18 17.4 16.51N 120.05E 33 4.7b,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=8.7km az=22.8.
MAN XI 14 05 17 36.1 18.64N 121.05E 20 4.8b,3.8L
¶604684753
ISC XI 16 01 18 32.4–1.4 16.37N–.03 120.95E–.09 17–9 4.0b,3.3s 51 1-152
IDC XI 16 01 18 29.6–.71 16.38N 120.93E 0 4.4L,4.2 **¶601992121**
ISCJB XI 16 01 18 32.4–1.1 16.35N–.04 120.83E–.08 30–9 4.0b,3.4s
MAN XI 16 01 18 32.0 16.36N 120.57E 11 5.0b,4.0L
NEIC XI 16 01 18 34.0–1.6 16.37N 120.96E 30–12 4.2b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=30.5km s-min=14.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=6.5km az=177.2.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.4km az=76.0. Felt [III PIVS] at Baguio City and La Trinidad.
ISC XI 19 07 54 41.6–.53 15.33N–.06 120.7E–.10 150 4.2b 57 0-86
ISCJB XI 19 07 54 40.1–.31 15.26N–.04 120.69E–.08 150 4.0b **¶601992872**
IDC XI 19 07 54 43.0–.63 15.22N 120.55E 164–6 4.3,4.0
NEIC XI 19 07 54 42.5–.48 15.27N 120.64E 159–5 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=168.8.
IDC Error ellipse: s-maj=29.9km s-min=11.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=3.8km az=74.0.
MAN XI 19 10 44 09.5 14.86N 121.79E 1 4.7b,3.6L
¶604684770
ISC XI 20 22 03 19.7–1.5 17.57N–.04 122.50E–.06 32–12 3.7b 29 1-78
MAN XI 20 22 03 20.4 17.53N 122.47E 34 4.8b,3.7L **¶602389756**
IDC XI 20 22 03 22.2–2.9 17.47N 122.58E 56–30 4.5L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=15.4km az=79.0.
ISC XI 23 04 52 40.4–.34 14.11N–.03 120.70E–.03 210–2 5.0b 866 0-177
KLM XI 23 04 52 38.0 14.05N 120.99E 209 5.1b **¶601993866**
BJI XI 23 04 52 38.6 14.01N 120.92E 218 5.0b,4.7b
ISCJB XI 23 04 52 39.6–.16 14.13N–.01 120.74E–.02 215–1 5.0b,4.7b
MAN XI 23 04 52 39.6 14.15N 120.57E 196 5.7b,5.0s
MOS XI 23 04 52 39.2–.87 14.10N 120.73E 212 5.1b,5.0s
IDC XI 23 04 52 40.7–.30 14.05N 120.76E 214–2 5.2,4.7
GCMT XI 23 04 52 40.0–.20 14.18N–.02 120.77E–.02 203–1 5.0W,4.7
NEIC XI 23 04 52 40.0–.27 14.07N 120.71E 209–2 5.1b,4.7
DJA XI 23 04 52 42.0–.50 14N–3.0 121E–3.0 225–6 5.8,5.3b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c54; s96,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.12 $M_{\theta\theta}$-4.41±.14; $M_{\phi\phi}$0.21±.16; $M_{r\theta}$-0.25±.12; $M_{\theta\phi}$0.42±.14; $M_{\phi r}$-2.07±.14; Best double couple: NP1:ϕ_s254.00000°,δ50.00000°,λ59.00000°. NP2:ϕ_s117.00000°,δ49.00000°,λ122.00000°. Principal axes: T 5.0890,Plg67.0000° ,Azm96.0000°; N -0.6440,Plg23.0000°,Azm275.0000°; P -4.4490,Plg0.0000°,Azm5.0000° M_ϕ4.76900×10^{16}
NEIC Event type fe. Felt [II PIVS] at Nasugbu. Also felt at Dinalupihan.
MAN XI 24 18 48 11.0 15.60N 119.44E 18 4.4b,3.3L
¶604686038
ISC XI 25 20 37 04.2–.69 18.45N–.04 121.50E–.06 108–6 3.8b 49 1-116
ISCJB XI 25 20 37 03.2–.34 18.47N–.04 121.50E–.06 109–4 3.8b **¶602082459**
MAN XI 25 20 37 03.7 18.49N 121.34E 89 4.7b,3.6L
IDC XI 25 20 37 03.4–4.0 18.30N 121.72E 105–38 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.0km az=26.3.
IDC Error ellipse: s-maj=18.1km s-min=12.9km az=76.0.
MAN XI 27 22 45 55.0 15.47N 121.24E 4 4.3b,3.1L
¶604686049
MAN XI 28 17 58 37.9 12.38N 123.52E 11 4.3b,3.1L
¶604686053
MAN XII 01 10 09 16.4 12.38N 123.68E 6 4.2b,3.0L
¶604686223
MAN XII 01 14 58 34.4 12.42N 123.62E 7 4.4b,3.2L
¶604686225
MAN XII 01 15 54 45.0 12.45N 123.63E 6 4.1b,2.9L
¶604686227
IDC XII 02 17 15 18.6–3.5 18.29N 122.61E 0 3.4,3.3
¶602390361
IDC Error ellipse: s-maj=338.0km s-min=26.2km az=65.0.
ISC XII 04 03 09 43.2–.92 15.59N–.04 119.75E–.07 53–8 3.8b 30 0-77
ISCJB XII 04 03 09 42.7–.58 15.59N–.04 119.71E–.06 57–6 4.0b,3.0s **¶602390425**
MAN XII 04 03 09 43.5 15.57N 119.79E 27 4.4b,3.2L
IDC XII 04 03 09 48.3–1.2 15.46N 120.03E 109–13 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.1km az=171.6.
IDC Error ellipse: s-maj=29.7km s-min=14.1km az=61.0.
ISC XII 04 15 55 31.6–.53 13.25N–.04 124.10E–.05 97–5 4.4b 104 0-86
ISCJB XII 04 15 55 30.4–.27 13.23N–.03 124.08E–.04 101–2 4.3b **¶602035754**
MAN XII 04 15 55 30.4 13.35N 124.11E 92 4.8b,3.7L
IDC XII 04 15 55 31.9–.87 13.06N 123.94E 96–7 4.2,3.9
NEIC XII 04 15 55 31.2–.22 13.12N 124.08E 95 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=151.0.
IDC Error ellipse: s-maj=30.9km s-min=9.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.4km az=65.0.
IDC XII 06 13 13 36.2–1.1 18.97N 122.37E 0 3.8,3.7
¶602390553
IDC Error ellipse: s-maj=57.8km s-min=21.9km az=77.0.
IDC XII 07 19 40 27.9–1.3 17.72N 121.48E 0 4.1s,4.1
¶602390729
IDC Error ellipse: s-maj=80.7km s-min=25.4km az=79.0.
ISC XII 08 22 32 19.6–1.1 13.36N–.03 124.10E–.03 9–9 3.6b,2.6s 29 0-90
MAN XII 08 22 32 19.8 13.35N 124.10E 1 4.7b,3.6L **¶602390856**
IDC XII 08 22 32 21.2–2.0 13.02N 124.56E 0 4.5L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=67.6km s-min=20.1km az=46.0.
MAN XII 10 11 45 00.6 16.42N 120.53E 26 4.7b,3.6L
¶604699620
MAN XII 12 13 18 12.6 18.00N 120.78E 8 3.8b,2.5L
¶604699719
MAN XII 13 00 40 17.6 13.73N 122.70E 10 3.6b,2.3L
¶604699760
MAN XII 13 05 07 39.5 12.35N 123.79E 25 3.7b,2.4L
¶604699761
MAN XII 13 07 38 09.8 13.34N 124.28E 30 4.3b,3.1L
¶604699762
MAN XII 14 19 36 18.7 12.21N 122.10E 6 4.3b,3.2L
¶604699811
MAN XII 14 20 27 13.0 13.59N 123.65E 17 4.2b,3.0L
¶604699813
MAN XII 15 09 45 41.1 18.26N 120.78E 15 3.9b,2.7L
¶604699849
MAN XII 18 08 53 31.6 18.55N 120.99E 45 4.0b,2.8L
¶604700013
IDC XII 18 10 09 25.3–5.5 15.16N 121.08E 77–34 3.6s,3.6
¶602391597
IDC Error ellipse: s-maj=82.5km s-min=26.0km az=46.0.
ISC XII 23 13 22 24.4–2.0 18.30N–.08 120.86E–.06 12–13 3.2b 19 1-47
IDC XII 23 13 22 22.0–1.2 18.14N 121.00E 0 3.5,3.3 **¶602391923**
MAN XII 23 13 22 22.6 18.40N 120.86E 0 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=55.3km s-min=19.6km az=62.0.
MAN XII 24 22 56 48.4 18.30N 121.04E 24 3.9b,2.7L
¶604700278
ISC XII 25 03 40 32.7–1.6 14.63N–.08 119.7E–.10 80–17 14 1-41
IDC XII 25 03 40 22.3–2.3 14.48N 119.10E 0 4.8L,3.9 **¶602380563**
ISCJB XII 25 03 40 29.8–1.6 14.52N–.10 119.5E–.10 67–20 3.4b,3.9
MAN XII 25 03 40 34.9 14.80N 119.89E 53 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=61.3km s-min=27.4km az=20.0.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=11.0km az=141.7.
MAN XII 25 05 46 58.5 18.43N 121.02E 13 4.2b,3.0L
¶604700321
MAN XII 25 12 02 09.4 16.10N 120.68E 29 4.4b,3.2L
¶604700322
ISC XII 26 08 10 27.3–1.8 13.75N–.03 122.74E–.07 3–11 3.5b 30 0-49
IDC XII 26 08 10 25.6–1.1 13.80N 122.91E 0 3.7,3.5 **¶602380631**
MAN XII 26 08 10 29.3 13.72N 122.70E 13 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=13.6km az=30.0.
IDC XII 27 13 20 03.5–1.6 14.45N 123.98E 0 3.4,3.2
¶602380719
IDC Error ellipse: s-maj=174.8km s-min=21.0km az=69.0.
ISC XII 27 13 41 36.7–1.1 12.29N–.02 123.86E–.03 6–7 4.5b,4.1s 234 0-149
IDC XII 27 13 41 33.6–.48 12.25N 123.88E 0 4.7L,4.3 **¶602059902**
ISCJB XII 27 13 41 35.1–.70 12.32N–.02 123.86E–.02 7–4 4.5b,4.2s
MAN XII 27 13 41 35.1 12.34N 123.83E 2 5.5b,4.8s
BJI XII 27 13 41 36.2 12.03N 124.11E 33 5.2b,4.6s
GCMT XII 27 13 41 38.4–.20 12.35N–.01 123.84E–.02 17–1 5.0W,4.6s
MOS XII 27 13 41 38.5–1.8 12.20N 123.80E 33 4.7b,4.6s
NEIC XII 27 13 41 39.4–.24 12.14N 123.75E 35 4.8b,4.6s
DJA XII 27 13 41 41.7–1.4 13N–9.0 124E–7.0 55–11 5.1b,4.5
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c27; s94,c136;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.12 $M_{\theta\theta}$3.08±.11; $M_{\phi\phi}$-3.22±.11; $M_{r\theta}$-0.65±.30; $M_{\theta\phi}$-0.74±.09; $M_{\phi r}$-0.02±.28; Best double couple: NP1:ϕ_s231.00000°,δ83.00000°,λ171.00000°. NP2:ϕ_s322.00000°,δ81.00000°,λ7.00000°. Principal axes: T 3.2970,Plg12.0000° ,Azm186.0000°; N 0.0080,Plg78.0000°,Azm15.0000°; P -3.3090,Plg2.0000°,Azm277.0000° M_ϕ3.30300×10^{16}
NEIC Event type fe. Felt [IV PIVS] at Masbate and Uson. Also felt at Aroroy. Felt [IV PIVS] at San Jacinto, Ticao Island. Felt [III PIVS] at Irosin and [II PIVS] at Legaspi City, Luzon. Also felt at Guinobatan.
MAN XII 30 14 22 41.4 13.27N 124.37E 21 4.2b,3.0L
¶604700520

(250) Mindoro.

MAN VII 03 19 45 24.0 13.66N 120.61E 42 4.3b,3.1L
¶604683897
MAN VII 07 21 08 11.3 13.61N 120.07E 1 4.8b,3.7L
¶604683920
MAN VII 17 00 46 49.1 13.10N 120.48E 33 4.5b,3.3L
¶604683967
MAN VII 17 04 16 31.6 13.13N 120.54E 22 4.2b,3.0L
¶604683968
MAN VII 17 05 58 43.9 13.16N 120.55E 30 4.4b,3.2L
¶604683969
ISC VII 17 22 15 36.5–.89 13.60N–.04 120.78E–.09 124–7 3.9b 21 0-50
ISCJB VII 17 22 15 35.5–.53 13.60N–.04 120.77E–.10 130–5 3.6b **¶601664749**
IDC VII 17 22 15 35.8–.96 13.71N 121.16E 128–4 3.8,3.6
MAN VII 17 22 15 37.1 13.61N 120.68E 103 4.5b,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=6.7km az=170.9.
IDC Error ellipse: s-maj=35.2km s-min=19.2km az=58.0.
ISC VII 17 23 47 07.5–.86 13.83N–.05 120.38E–.07 76–7 3.7b 22 0-55
IDC VII 17 23 47 04.5–.99 14.74N 120.30E 0 3.6,3.5 **¶601664752**
ISCJB VII 17 23 47 06.4–.51 13.84N–.04 120.37E–.06 81–5 3.5b,3.5
MAN VII 17 23 47 06.2 13.85N 120.38E 71 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=60.4km s-min=8.9km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.4km az=8.5.
MAN VII 18 19 55 03.3 13.70N 120.68E 157 4.2b,3.0L
¶604683979
MAN VII 20 01 01 54.0 13.17N 120.51E 19 4.1b,2.8L
¶604683986
MAN VII 21 17 48 48.4 13.84N 120.75E 33 3.8b,2.6L
¶604683991
MAN VII 22 15 28 22.2 13.54N 120.26E 30 4.1b,3.0L
¶604683993
MAN VII 23 23 18 06.0 12.09N 121.96E 11 4.1b,2.9L
¶604684003
MAN VII 25 12 40 28.1 13.46N 121.05E 2 4.3b,3.1L
¶604684016
MAN VII 25 19 20 06.3 13.71N 120.59E 120 4.0b,2.8L
¶604684017
MAN VII 26 02 08 48.4 12.84N 121.39E 17 3.8b,2.5L
¶604684018
MAN VII 28 09 46 44.5 13.68N 120.59E 96 4.7b,3.6L
¶604684040
MAN VII 29 14 12 24.9 13.66N 120.38E 33 3.7b,2.4L
¶604684046
ISC VII 29 19 52 40.1–1.7 13.33N–.06 120.23E–.07 5–12 3.4b 15 0-39
IDC VII 29 19 52 38.9–1.6 13.92N 121.98E 0 3.6,3.4 **¶601666642**
MAN VII 29 19 52 39.0 13.55N 120.19E 64 4.4b,3.2L
ISCJB VII 29 19 52 40.7–1.1 13.39N–.04 120.27E–.06 5–8 3.5b,3.2L
ISC Event type ke.
ISCJB Event type ke.
MAN VII 31 23 05 18.6 13.51N 120.56E 159 4.1b,2.9L
¶604684060
MAN VIII 01 14 17 26.2 13.99N 120.99E 38 3.5b,2.1L
¶604684064
MAN VIII 02 05 14 01.2 13.76N 120.27E 30 4.0b,2.8L
¶604684068
MAN VIII 03 01 02 31.1 13.28N 120.78E 40 3.6b,2.3L
¶604684074
MAN VIII 03 04 48 54.8 13.55N 120.57E 53 3.7b,2.5L
¶604684076
MAN VIII 03 13 17 14.7 13.95N 120.21E 23 3.5b,2.1L
¶604684078
MAN VIII 04 06 16 19.9 13.72N 120.59E 85 3.6b,2.3L
¶604684083
MAN VIII 04 23 06 39.0 13.76N 120.65E 108 4.5b,3.3L
¶604684088
MAN VIII 06 10 33 27.6 13.66N 120.63E 95 3.9b,2.6L
¶604684099

MAN	**VIII**	**06 19 33 35.5**	**13.89N**	**120.63E**	**189**	**4.1b,2.9L**		
								¶604684102
MAN	**VIII**	**10 01 23 58.3**	**13.56N**	**120.19E**	**32**	**4.2b,3.0L**		
								¶604684115
MAN	**VIII**	**10 01 53 20.4**	**13.45N**	**121.28E**	**17**	**3.7b,2.4L**		
								¶604684116
MAN	**VIII**	**10 15 59 13.8**	**13.74N**	**120.89E**	**7**	**4.5b,3.3L**		
								¶604684119
MAN	**VIII**	**10 20 13 38.5**	**13.57N**	**120.65E**	**72**	**4.7b,3.6L**		
								¶604684121
MAN	**VIII**	**11 09 26 28.4**	**13.87N**	**120.43E**	**80**	**4.6b,3.4L**		
								¶604684124
MAN	**VIII**	**16 18 27 33.4**	**13.23N**	**120.09E**	**3**	**4.3b,3.1L**		
								¶604684149
MAN	**VIII**	**16 20 29 36.5**	**13.47N**	**120.20E**	**46**	**4.1b,3.0L**		
								¶604684151
ISC	**VIII**	**19 12 09 06.6–1.9**	**12.23N–.04**	**121.66E–.04**	**9–14**	**3.4b**	**20**	**1-52**
ISCJB	VIII	19 12 09 04.9–2.3	12.31N–.04	121.66E–.05	2–15	3.4b		**¶601766150**
IDC	VIII	19 12 09 05.7–1.7	12.44N	122.30E	0	4.3L,3.7		
MAN	VIII	19 12 09 07.2	12.37N	121.85E	27	4.8b,3.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.9km s-min=6.6km az=34.9.							
IDC	Error ellipse: s-maj=83.7km s-min=20.6km az=57.0.							
ISC	**VIII**	**21 18 29 58.8–.87**	**13.30N–.03**	**120.60E–.04**	**58–9**	**4.1b**	**42**	**1-50**
ISCJB	VIII	21 18 29 57.7–.35	13.29N–.02	120.57E–.04	67–5	4.0b		**¶601766266**
MAN	VIII	21 18 29 57.2	13.29N	120.57E	55	4.5b,3.4L		
IDC	VIII	21 18 29 59.7–.90	13.44N	120.92E	72–12	4.0,3.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=178.0.							
IDC	Error ellipse: s-maj=45.2km s-min=12.7km az=66.0.							
MAN	**VIII**	**22 18 33 10.4**	**13.73N**	**120.32E**	**22**	**3.5b,2.1L**		
								¶604684176
MAN	**VIII**	**22 20 46 46.7**	**13.38N**	**120.48E**	**12**	**3.8b,2.5L**		
								¶604684177
ISC	**VIII**	**23 21 19 33.3–.61**	**13.79N–.04**	**120.62E–.07**	**124–5**	**4.1b**	**40**	**0-87**
ISCJB	VIII	23 21 19 32.7–.35	13.74N–.04	120.60E–.07	131–3	4.0b		**¶601667507**
IDC	VIII	23 21 19 33.9–.72	13.85N	121.06E	129–3	4.0,3.9		
NEIC	VIII	23 21 19 34.4–.63	13.91N	121.17E	135–5	4.3b,3.9		
MAN	VIII	23 21 19 35.0	13.73N	120.56E	101	4.5b,3.3L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=10.9km s-min=6.9km az=176.1.							
IDC	Error ellipse: s-maj=105.7km s-min=14.0km az=66.0.							
NEIC	Event type se. Error ellipse: s-maj=17.2km s-min=7.1km az=74.0.							
MAN	**VIII**	**24 09 32 16.7**	**13.50N**	**120.55E**	**35**	**4.7b,3.6L**		
								¶604684183
MAN	**VIII**	**25 16 18 13.3**	**13.35N**	**120.45E**	**32**	**3.6b,2.3L**		
								¶604684188
MAN	**VIII**	**26 11 40 56.6**	**13.62N**	**120.65E**	**101**	**3.9b,2.7L**		
								¶604684193
IDC	**VIII**	**27 05 35 49.9–.72**	**13.55N**	**120.84E**	**192–8**	**3.6,3.3**		
								¶601766540
IDC	Error ellipse: s-maj=40.1km s-min=12.9km az=62.0.							
MAN	**IX**	**02 21 16 32.4**	**13.13N**	**120.21E**	**3**	**3.9b,2.7L**		
								¶604684232
ISC	**IX**	**09 14 22 10.5–.93**	**13.62N–.05**	**120.57E–.08**	**100**	**4.2b**	**20**	**1-79**
ISCJB	IX	09 14 22 10.9–.61	13.62N–.05	120.57E–.07	100	4.0b		**¶601863239**
MAN	IX	09 14 22 10.7	13.63N	120.59E	100	4.4b,3.3L		
IDC	IX	09 14 22 12.7–1.4	14.42N	121.07E	111–9	4.1,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.2km s-min=6.4km az=161.2.							
IDC	Error ellipse: s-maj=52.6km s-min=24.8km az=67.0.							
ISC	**IX**	**13 18 39 50.7–1.1**	**13.49N–.06**	**120.8E–.10**	**141–9**	**3.1b**	**15**	**1-39**
ISCJB	IX	13 18 39 50.0–.77	13.47N–.07	120.9E–.10	148–7	3.0b		**¶601863476**
IDC	IX	13 18 39 49.1–4.7	13.09N	120.75E	106–119	3.2,3.1		
MAN	IX	13 18 39 50.1	13.50N	120.82E	144	3.9b,2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=21.7km s-min=10.8km az=166.7.							
IDC	Error ellipse: s-maj=198.4km s-min=28.0km az=34.0.							
ISC	**IX**	**14 12 23 20.8–2.0**	**13.44N–.05**	**120.05E–.08**	**12–13**	**3.6b**	**14**	**1-39**
IDC	IX	14 12 23 18.8–1.4	13.38N	119.98E	0	4.0,3.8		**¶601863522**
ISCJB	IX	14 12 23 19.4–1.7	13.50N–.05	119.93E–.07	11–12	3.8b,3.8		
MAN	IX	14 12 23 24.2	13.45N	120.13E	33	4.5b,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=27.9km s-min=13.5km az=125.0.							
ISCJB	Event type ke. Error ellipse: s-maj=12.8km s-min=8.1km az=26.5.							
MAN	**IX**	**16 00 51 58.0**	**13.66N**	**121.04E**	**2**	**3.9b,2.7L**		
								¶604684374
MAN	**IX**	**16 10 23 16.1**	**13.09N**	**120.74E**	**24**	**3.8b,2.5L**		
								¶604684379
MAN	**IX**	**17 13 55 50.6**	**13.69N**	**120.61E**	**129**	**3.8b,2.5L**		
								¶604684402
MAN	**IX**	**17 14 59 04.5**	**13.61N**	**121.59E**	**33**	**3.6b,2.3L**		
								¶604684404
MAN	**IX**	**20 04 36 18.3**	**13.55N**	**120.04E**	**4**	**4.6b,3.4L**		
								¶604684434
MAN	**IX**	**20 20 27 20.2**	**13.47N**	**120.49E**	**31**	**3.9b,2.6L**		
								¶604684438
ISC	**IX**	**20 22 19 30.7–.87**	**13.52N–.04**	**120.52E–.07**	**78–9**	**3.7b**	**26**	**0-49**
ISCJB	IX	20 22 19 29.6–.47	13.52N–.03	120.53E–.07	82–6	3.8b		**¶601863916**
MAN	IX	20 22 19 29.3	13.53N	120.50E	65	3.9b,2.7L		
IDC	IX	20 22 19 31.1–.82	13.63N	120.89E	86–10	3.6,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.8km s-min=5.4km az=179.0.							
IDC	Error ellipse: s-maj=48.9km s-min=14.6km az=65.0.							
ISC	**IX**	**21 03 15 10.8–.71**	**13.62N–.05**	**120.74E–.08**	**211–6**	**3.8b**	**39**	**0-87**
ISCJB	IX	21 03 15 10.4–.40	13.67N–.04	120.84E–.07	211–3	3.6b		**¶601863936**
IDC	IX	21 03 15 10.4–.56	13.60N	121.00E	217–4	4.0,3.6		
MAN	IX	21 03 15 11.0	13.64N	120.68E	198	4.9b,3.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.9km s-min=6.3km az=166.2.							
IDC	Error ellipse: s-maj=33.1km s-min=13.1km az=61.0.							
MAN	**IX**	**21 21 08 05.1**	**13.59N**	**121.65E**	**17**	**4.4b,3.3L**		
								¶604684449
MAN	**IX**	**22 21 44 50.7**	**13.81N**	**120.47E**	**88**	**3.8b,2.5L**		
								¶604684460
ISC	**IX**	**28 14 25 45.6–.46**	**13.75N–.03**	**120.57E–.04**	**116–4**	**4.7b**	**267**	**0-151**
MAN	IX	28 14 25 44.6	13.76N	120.46E	93	5.1b,4.1L		**¶601757217**
MOS	IX	28 14 25 44.5–.95	13.85N	120.71E	120	4.6b,4.1L		
IDC	IX	28 14 25 44.5–.42	13.71N	120.71E	111–3	4.6,4.3		
ISCJB	IX	28 14 25 45.0–.23	13.80N–.02	120.73E–.03	125–2	4.7b,4.3		
BJI	IX	28 14 25 45.8	13.81N	120.90E	144	5.2b,4.8b		
NEIC	IX	28 14 25 46.4–.66	13.76N	120.76E	130–6	4.7b,4.8b		
DJA	IX	28 14 25 50.4–1.2	14N–8.0	121E–7.0	162–8	5.2b,4.6b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [III PIVS] at Batangas, Luzon. Also felt at Manila and San Pascual. Felt [II PIVS] at Puerto Galera, Mindoro. Also felt at San Teodoro.							
ISC	**IX**	**29 14 12 01.5–.41**	**13.84N–.03**	**120.66E–.04**	**153–3**	**4.9b**	**372**	**0-177**
GCMT	IX	29 14 12 00.5–.30	14.03N–.02	120.64E–.02	152–3	5.0W		**¶601767293**
BJI	IX	29 14 12 00.5	13.60N	120.98E	186	5.0b,4.8b		
MOS	IX	29 14 12 00.4–.95	13.86N	120.79E	157	5.0b,4.8b		
IDC	IX	29 14 12 01.0–.29	13.83N	120.74E	148–1	4.8,4.5		
ISCJB	IX	29 14 12 01.1–.21	13.90N–.02	120.79E–.03	160–2	4.8b,4.5		
MAN	IX	29 14 12 01.2	13.85N	120.54E	126	5.8b,5.2s		
NEIC	IX	29 14 12 01.5–.56	13.85N	120.72E	154–5	5.0b,5.2s		
DJA	IX	29 14 12 34.3–5.6	11N–47	121E–11	10	5.0b,5.0		
ISC	Event type fe.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s91,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.11 $M_{\theta\theta}$-0.29±.12; $M_{\phi\phi}$-3.00±.15; $M_{r\theta}$0.56±.11; $M_{\theta\phi}$-0.13±.15; $M_{\phi r}$-1.76±.13; Best double couple: NP1:ϕ_s173.00000°,δ60.00000°,λ81.00000°. NP2:ϕ_s10.00000°,δ31.00000°,λ105.00000°. Principal axes: T 3.8290,Plg73.0000° ,Azm61.0000°; N -0.3670,Plg8.0000°,Azm178.0000°; P -3.4590,Plg15.0000°,Azm270.0000° $M_0$3.64400×10^{16}							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [II PIVS] at Abra de Ilog, Calapan and Puerto Galera. Felt at Manila, Luzon.							
ISC	**X**	**04 01 55 19.9–.41**	**13.11N–.02**	**120.43E–.03**	**58–3**	**5.2b,4.1s**	**645**	**1-167**
MAN	X	04 01 55 16.0	13.09N	120.33E	28	5.8b,5.3s		**¶601781446**
MOS	X	04 01 55 16.9–.92	13.30N	120.71E	47	5.4b,4.2s		
BJI	X	04 01 55 17.6	13.21N	120.67E	55	4.9b,4.9b		
GCMT	X	04 01 55 17.7–.40	13.21N–.03	120.35E–.03	50–3	5.0W,4.9b		
ISCJB	X	04 01 55 18.6–.34	13.20N–.02	120.65E–.03	62–3	5.1b,4.9b		
IDC	X	04 01 55 20.6–1.4	13.25N	120.66E	69–12	4.7,4.6		
NEIC	X	04 01 55 21.7–.52	13.25N	120.66E	77–4	5.1b,4.6		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=9.4km s-min=4.5km az=122.1.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s56,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.29 $M_{\theta\theta}$1.83±.21; $M_{\phi\phi}$-5.03±.21; $M_{r\theta}$0.96±.13; $M_{\theta\phi}$0.85±.10; $M_{\phi r}$-0.91±.24; Best double couple: NP1:ϕ_s151.00000°,δ57.00000°,λ60.00000°. NP2:ϕ_s18.00000°,δ44.00000°,λ128.00000°. Principal axes: T 3.7110,Plg64.0000° ,Azm7.0000°; N 1.5370,Plg25.0000°,Azm169.0000°; P -5.2590,Plg7.0000°,Azm262.0000° $M_0$4.48500×10^{16}							
ISCJB	Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=156.9.							
IDC	Error ellipse: s-maj=14.5km s-min=9.4km az=71.0.							
NEIC	Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=70.0. Felt [IV PIVS] at Pinamalayan and San Jose. Also felt at Calapan, Mamburao and Victoria. Felt [IV PIVS] at Batangas; [III PIVS] at Pasay; [II PIVS] at Malabon and Quezon City; [I PIVS] at Tagaytay, Luzon. Felt [II] at Manila. Also felt at Bacoor and San Pablo.							
MAN	**X**	**15 15 30 16.0**	**13.39N**	**121.77E**	**26**	**4.1b,2.9L**		
								¶604684608
ISC	**X**	**21 13 53 09.3–.75**	**13.68N–.05**	**120.62E–.08**	**146–7**	**3.4b**	**26**	**1-87**
ISCJB	X	21 13 53 08.5–.43	13.63N–.05	120.65E–.08	152–4	3.3b		**¶601999173**
IDC	X	21 13 53 09.1–.68	13.62N	120.80E	146–4	3.6,3.2		
MAN	X	21 13 53 11.8	13.79N	120.50E	20	4.3b,3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.2km s-min=8.0km az=179.5.							
IDC	Error ellipse: s-maj=25.2km s-min=14.3km az=67.0.							
MAN	**X**	**25 18 49 11.6**	**13.21N**	**120.30E**	**50**	**4.7b,3.6L**		
								¶604684660
IDC	**X**	**27 02 30 31.8–1.5**	**12.05N**	**120.13E**	**0**	**4.3L,3.8**		
								¶601999787
IDC	Error ellipse: s-maj=41.3km s-min=25.6km az=68.0.							
ISC	**X**	**29 09 09 35.8–.71**	**13.89N–.04**	**120.48E–.06**	**104–6**	**3.9b**	**35**	**0-79**
ISCJB	X	29 09 09 35.1–.41	13.89N–.03	120.48E–.06	111–4	3.9b		**¶602000255**
MAN	X	29 09 09 35.8	13.90N	120.44E	85	4.3b,3.1L		
IDC	X	29 09 09 36.0–.72	13.99N	120.90E	109–6	3.9,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.3km s-min=5.1km az=167.0.							
IDC	Error ellipse: s-maj=36.7km s-min=14.3km az=64.0.							
ISC	**XI**	**03 16 09 11.6–.73**	**13.86N–.04**	**120.50E–.07**	**142–6**	**3.8b**	**33**	**0-87**
ISCJB	XI	03 16 09 10.7–.40	13.88N–.04	120.47E–.08	146–4	3.6b		**¶602388775**
IDC	XI	03 16 09 11.8–.46	13.94N	121.05E	146–2	3.9,3.6		
MAN	XI	03 16 09 12.4	13.90N	120.42E	117	4.3b,3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.5km s-min=5.5km az=168.9.							
IDC	Error ellipse: s-maj=31.8km s-min=10.9km az=68.0.							
MAN	**XI**	**05 12 25 29.2**	**12.17N**	**121.87E**	**17**	**4.1b,2.9L**		
								¶604684712
MAN	**XI**	**07 20 06 13.1**	**12.17N**	**120.55E**	**28**	**4.3b,3.2L**		
								¶604684721
MAN	**XI**	**07 20 09 50.5**	**12.14N**	**120.56E**	**26**	**4.1b,2.8L**		
								¶604684722
ISC	**XI**	**08 17 34 35.7–.75**	**13.64N–.03**	**120.46E–.05**	**93–7**	**3.9b**	**38**	**1-49**
ISCJB	XI	08 17 34 34.5–.41	13.65N–.02	120.44E–.05	98–5	3.9b		**¶602389043**
MAN	XI	08 17 34 34.6	13.66N	120.46E	87	4.7b,3.6L		
IDC	XI	08 17 34 35.9–.67	13.73N	120.90E	101–8	3.7,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=4.1km az=0.1.							
IDC	Error ellipse: s-maj=44.1km s-min=13.8km az=65.0.							
ISC	**XI**	**13 17 59 03.5–1.1**	**13.7N–.20**	**120.9E–.30**	**150**	**3.2b**	**8**	**0-50**
ISCJB	XI	13 17 59 02.1–.80	13.7N–.10	120.9E–.20	150	3.3b		**¶602389355**
IDC	XI	13 17 59 03.2–.69	13.73N	120.85E	146–8	3.5,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=32.6km s-min=15.8km az=152.3.							
IDC	Error ellipse: s-maj=49.7km s-min=14.7km az=60.0.							
MAN	**XI**	**14 05 15 07.1**	**12.92N**	**121.55E**	**23**	**4.8b,3.7L**		
								¶604684752
ISC	**XI**	**15 06 43 08.1–.58**	**13.98N–.04**	**120.61E–.05**	**140–5**	**4.5b**	**120**	**0-152**
ISCJB	XI	15 06 43 07.2–.30	14.05N–.03	120.78E–.04	145–3	4.4b		**¶601992007**
IDC	XI	15 06 43 07.2–.40	13.98N	120.78E	135–3	4.4,4.2		
NEIC	XI	15 06 43 08.7–.45	14.00N	120.74E	148–4	4.5b,4.2		
MAN	XI	15 06 43 08.9	14.05N	120.38E	89	5.1b,4.1s		
DJA	XI	15 06 43 18.2–1.6	14N–6.0	121E–6.0	244–19	5.1b,4.4		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**XI**	**23 22 48 46.5–.72**	**13.7N–.20**	**121.0E–.20**	**200**	**3.6b**	**26**	**0-87**
ISCJB	XI	23 22 48 45.1–.55	13.7N–.10	121.1E–.10	200	3.7b		**¶602389911**
IDC	XI	23 22 48 45.2–.63	13.64N	121.10E	188–4	4.0,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=20.6km s-min=10.2km az=137.3.							
IDC	Error ellipse: s-maj=35.9km s-min=12.0km az=64.0.							
IDC	**XI**	**26 08 22 23.0–2.5**	**13.70N**	**121.17E**	**122–40**	**3.4,3.3**		
								¶602390019
IDC	Error ellipse: s-maj=201.6km s-min=27.9km az=37.0.							
ISC	**XII**	**05 23 01 09.4–.80**	**13.73N–.04**	**120.54E–.07**	**99–8**	**3.6b**	**25**	**1-79**
ISCJB	XII	05 23 01 08.4–.47	13.73N–.04	120.54E–.07	104–5	3.6b		**¶602390523**
MAN	XII	05 23 01 08.6	13.57N	120.50E	86	4.7b,3.6L		
IDC	XII	05 23 01 09.6–.78	13.86N	120.88E	104–8	3.6,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.0km s-min=6.1km az=15.4.							
IDC	Error ellipse: s-maj=46.2km s-min=15.1km az=64.0.							
IDC	**XII**	**14 01 14 49.8–1.5**	**13.28N**	**120.17E**	**0**	**4.2,3.9**		
								¶602391292
IDC	Error ellipse: s-maj=31.0km s-min=12.3km az=123.0.							
MAN	**XII**	**15 19 20 51.1**	**13.32N**	**121.50E**	**13**	**4.3b,3.2L**		
								¶604699851
ISC	**XII**	**16 13 27 34.5–.84**	**13.61N–.04**	**120.73E–.06**	**142–7**	**3.8b**	**33**	**1-46**
IDC	XII	16 13 27 33.5–.65	13.58N	121.05E	138–9	3.7,3.5		**¶602391466**
ISCJB	XII	16 13 27 34.2–.49	13.62N–.03	120.73E–.05	142–5	3.9b,3.5		
MAN	XII	16 13 27 34.7	13.62N	120.66E	125	4.7b,3.6L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=53.9km s-min=16.2km az=54.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=5.0km az=175.6.							
MAN	**XII**	**17 01 43 49.1**	**13.76N**	**120.34E**	**56**	**3.9b,2.6L**		
								¶604699954
IDC	**XII**	**17 12 11 08.4–.51**	**13.64N**	**120.81E**	**215–6**	**3.8,3.4**		
								¶602391542
IDC	Error ellipse: s-maj=35.2km s-min=11.8km az=57.0.							
MAN	**XII**	**17 15 24 24.2**	**13.78N**	**120.40E**	**65**	**4.2b,3.0L**		
								¶604699957
ISC	**XII**	**18 17 09 16.6–.92**	**13.65N–.06**	**120.68E–.09**	**133–8**	**3.0b**	**16**	**1-46**
ISCJB	XII	18 17 09 15.8–.66	13.65N–.06	120.68E–.09	135–6	2.9b		**¶602391617**
IDC	XII	18 17 09 15.9–1.0	13.58N	120.73E	126–18	3.2,3.0		
MAN	XII	18 17 09 17.0	13.66N	120.59E	115	4.1b,2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.8km s-min=9.7km az=3.4.							
IDC	Error ellipse: s-maj=65.4km s-min=20.9km az=52.0.							
ISC	**XII**	**23 11 52 31.4–1.1**	**13.2N–.10**	**120.3E–.10**	**27**	**3.5b**	**7**	**1-46**
IDC	XII	23 11 52 27.6–1.1	13.20N	120.25E	0	3.8,3.6		**¶602391920**
ISCJB	XII	23 11 52 29.7–.90	13.14N–.09	120.2E–.10	27	3.5b,3.6		

ISC Event type ke.
ISCJB Event type ke.

(251) Samar.

MAN VII 02 13 45 04.6 11.58N 125.44E 19 4.1b,2.9L ¶604683893

MAN VII 03 08 39 50.9 11.44N 125.39E 36 3.7b,2.4L ¶604683895

MAN VII 06 10 17 57.6 11.27N 125.67E 3 4.1b,2.9L ¶604683909

MAN VII 06 17 42 52.4 11.50N 125.50E 22 3.9b,2.6L ¶604683913

MAN VII 08 19 52 01.5 11.71N 125.64E 9 4.1b,2.9L ¶604683926

MAN VII 09 16 14 01.6 11.21N 125.56E 25 4.7b,3.5L ¶604683935

MAN VII 19 14 16 49.7 11.41N 125.15E 15 3.9b,2.6L ¶604683981

MAN VII 19 17 56 13.7 11.38N 125.97E 6 4.5b,3.3L ¶604683982

MAN VII 24 15 52 54.6 11.15N 125.74E 25 4.5b,3.3L ¶604684008

MAN VII 25 02 18 42.3 11.72N 125.63E 18 4.3b,3.1L ¶604684014

ISC VII 25 08 39 33.5–.70 11.79N–.04 125.55E–.05 51–6 4.7b,3.7s 335 0-166
IDC VII 25 08 39 26.4–.38 11.70N 125.39E 0 4.7,4.7b **¶601467956**
BJI VII 25 08 39 31.5 11.57N 125.72E 68 4.9b,4.8b
MAN VII 25 08 39 32.0 11.87N 125.54E 22 5.5b,4.8s
ISCJB VII 25 08 39 33.1–.41 11.77N–.02 125.53E–.03 62–3 4.7b,4.8s
MOS VII 25 08 39 33.9–.87 11.80N 125.37E 65 5.3b,4.8s
NEIC VII 25 08 39 35.5–.51 11.72N 125.49E 71–4 4.7b,4.8s
DJA VII 25 08 39 52.0–1.8 12N–8.0 125E–10 208–14 5.2b,4.6
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV PIVS] at Can-Avid, San Julian, Sulat and Taft; [III PIVS] at Borongan, Llorente and Maydolong. Also felt at Calbayog. Felt [III PIVS] at Tacloban, Leyte.

MAN VII 26 11 35 59.9 12.95N 124.18E 16 4.5b,3.3L ¶604684024

MAN VII 26 14 52 20.6 11.42N 125.38E 1 3.8b,2.6L ¶604684027

MAN VII 29 12 09 35.9 11.33N 125.69E 0 4.3b,3.2L ¶604684044

MAN VIII 02 14 15 51.7 12.06N 124.01E 23 4.1b,2.9L ¶604684070

MAN VIII 04 21 11 54.8 12.21N 125.44E 3 4.5b,3.4L ¶604684087

ISC VIII 06 13 28 46.8–1.0 11.35N–.04 125.60E–.06 60–9 4.6b 156 1-166
MAN VIII 06 13 28 44.4 11.40N 125.63E 17 5.6b,4.9s **¶601521133**
ISCJB VIII 06 13 28 46.2–.53 11.36N–.03 125.59E–.05 72–4 4.4b,4.9s
IDC VIII 06 13 28 46.8–2.6 11.25N 125.44E 61–23 4.4,4.2
BJI VIII 06 13 28 49.0 11.31N 125.65E 100 5.2b,4.6b
NEIC VIII 06 13 28 52.0–1.2 11.22N 125.50E 114–11 4.6b,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.2km az=162.9.
IDC Error ellipse: s-maj=16.6km s-min=9.0km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=79.0. Felt [IV PIVS] at Borongan, Llorente and Maydolong; [III PIVS] at Guiuan, Sulat and Taft; [II PIVS] at Can-Avid, Catbalogan and Dolores. Also felt [III PIVS] at Tacloban and [II PIVS] at Palo and Tolosa, Leyte.

MAN VIII 07 11 21 39.8 12.00N 124.24E 90 4.5b,3.4L ¶604684103

ISC VIII 11 07 27 24.3–.78 11.45N–.03 125.51E–.05 50–6 4.4b,3.3s 121 0-149
ISCJB VIII 11 07 27 23.5–.46 11.43N–.03 125.57E–.05 58–4 4.4b,3.2s **¶601565565**
NEIC VIII 11 07 27 25.3–1.2 11.37N 125.55E 60–11 4.5b,3.2s
MAN VIII 11 07 27 25.4 11.45N 125.35E 33 4.8b,3.7L
IDC VIII 11 07 27 25.1–5.8 11.34N 125.52E 62–52 4.3,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=174.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.8km az=63.0. Felt [III PIVS] at Borongan, Hernani and Maydolong. Felt [II PIVS] at Tacloban, Leyte.
IDC Error ellipse: s-maj=28.3km s-min=13.2km az=72.0.

MAN VIII 15 20 47 29.4 12.62N 124.96E 41 4.5b,3.4L ¶604684139

IDC VIII 15 21 55 50.2–2.3 12.68N 125.90E 0 3.6,3.5 ¶601765903

IDC Error ellipse: s-maj=196.0km s-min=25.9km az=69.0.

ISC VIII 21 16 07 27.5–1.0 12.23N–.05 125.12E–.07 58–10 3.9b 39 1-96
IDC VIII 21 16 07 19.9–1.0 12.16N 125.24E 0 3.9,3.8 **¶601653005**
MAN VIII 21 16 07 26.9 12.29N 125.16E 26 4.3b,3.1L
NEIC VIII 21 16 07 26.6–3.4 12.16N 125.34E 54–33 4.5b,3.1L
ISCJB VIII 21 16 07 27.0–.57 12.21N–.04 125.11E–.06 68–5 3.9b,3.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC VIII 22 10 13 42.8–1.1 11.78N–.03 125.86E–.04 4–7 4.8b,3.4s 151 0-166
IDC VIII 22 10 13 42.1–.45 11.64N 125.76E 0 4.8L,4.5 **¶601610558**
ISCJB VIII 22 10 13 43.0–.22 11.83N–.02 125.87E–.03 10 4.7b,3.5s
MAN VIII 22 10 13 46.7 11.74N 125.72E 11 5.4b,4.6s
NEIC VIII 22 10 13 47.0–1.9 11.67N 125.73E 31–13 4.7b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=11.3km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=28.5.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=71.0. Felt [IV PIVS] at Borongan, Maydolong, Sulat and Taft; [III PIVS] at Can-Avid, Llorente and Oras; [II PIVS] at Guiuan. Also felt [II PIVS] at Palo and Tacloban, Leyte.

MAN VIII 30 11 27 40.8 12.26N 125.55E 30 4.2b,3.0L ¶604684205

ISC VIII 31 14 05 21.1–3.0 12.3N–.20 124.8E–.10 56–37 12 1-54
IDC VIII 31 14 04 52.1–4.0 10.35N 127.17E 0 3.7,3.6 **¶606635076**
MAN VIII 31 14 05 29.3 11.59N 124.58E 13 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=329.8km s-min=21.4km az=67.0.

MAN IX 05 12 48 54.2 11.50N 125.35E 13 3.9b,2.7L ¶604684290

MAN IX 07 08 08 01.1 12.17N 125.43E 32 4.0b,2.7L ¶604684311

ISC IX 09 11 14 45.9–1.3 12.51N–.07 125.30E–.09 33 3.5b 13 1-54
IDC IX 09 11 14 40.1–3.9 12.87N 126.00E 0 3.6,3.5 **¶601863233**
ISCJB IX 09 11 14 44.4–.94 12.54N–.06 125.36E–.08 33 3.5b,3.5
MAN IX 09 11 14 45.5 12.42N 125.17E 18 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=329.3km s-min=21.6km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=8.0km az=151.6.

MAN IX 10 08 05 01.3 13.00N 124.74E 19 3.6b,2.3L ¶604684336

MAN IX 10 08 46 54.3 11.67N 125.31E 8 3.9b,2.7L ¶604684337

ISC IX 15 07 04 02.6–.85 12.62N–.03 125.60E–.04 32–5 5.0b,4.6s 511 1-166
BJI IX 15 07 03 56.7 12.41N 125.74E 17 5.3b,5.1s **¶601717591**
MAN IX 15 07 03 57.8 12.72N 125.83E 24 5.8b,5.3s
IDC IX 15 07 03 57.4–.37 12.53N 125.48E 0 5.0L,4.8
ISCJB IX 15 07 04 00.2–.75 12.63N–.02 125.62E–.03 28–5 4.8b,4.6s
MOS IX 15 07 04 00.7–1.1 12.51N 125.47E 33 5.3b,4.8s
NEIC IX 15 07 04 01.8–1.2 12.53N 125.52E 27–8 5.1b,4.8s
GCMT IX 15 07 04 02.8–.10 12.72N–.01 125.66E–.01 13–0 5.2W,4.8s
DJA IX 15 07 04 10.0–.90 13N–5.0 126E–3.0 112–8 5.5b,5.1b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Mapanas. Felt [I PIVS] at Tacloban, Leyte.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c107; s112,c175;Duration: 1$9$0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.32±.16 $M_{\theta\theta}$-0.65±.10; $M_{\phi\phi}$-4.66±.12; $M_{r\theta}$-1.69±.27; $M_{\theta\phi}$2.51±.07; $M_{\theta r}$5.22±.35; Best double couple: NP1:ϕ_s340.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s148.00000°,δ23.00000°,λ79.00000°. Principal axes: T 7.5940,Plg67.0000° ,Azm259.0000°; N 0.4960,Plg4.0000°,Azm158.0000°; P -8.0840,Plg22.0000°,Azm66.0000° $M_0$7.83900×10^{16}

ISC IX 15 10 26 25.5–.50 12.59N–.02 125.60E–.03 33–3 5.3b,4.9s 906 1-171
IDC IX 15 10 26 20.5–.35 12.57N 125.51E 0 5.1,5.0 **¶601717681**
BJI IX 15 10 26 20.7 12.30N 125.73E 32 5.5b,5.3s
MAN IX 15 10 26 21.3 12.72N 125.79E 23 5.9b,5.4s
ISCJB IX 15 10 26 23.1–.55 12.66N–.01 125.59E–.02 25–3 5.2b,4.8s
MOS IX 15 10 26 24.0–.95 12.58N 125.46E 33 5.6b,4.8s
GCMT IX 15 10 26 25.0–.10 12.70N–.01 125.64E–.01 13–0 5.4W,4.8s
NEIC IX 15 10 26 26.0–.11 12.56N 125.47E 35 5.3b,4.8s
DJA IX 15 10 26 36.4–.70 13N–5.0 126E–3.0 136–6 6.3,5.7b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c194; s130,c230;Duration: 1$9$2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-0.87±.01; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$0.49±.01; $M_{\theta r}$0.98±.05; Best double couple: NP1:ϕ_s342.00000°,δ67.00000°,λ97.00000°. NP2:ϕ_s144.00000°,δ24.00000°,λ74.00000°. Principal axes: T 1.4080,Plg67.0000° ,Azm265.0000°; N 0.1020,Plg6.0000°,Azm159.0000°; P -1.5110,Plg22.0000°,Azm67.0000° $M_0$1.45900×10^{17}
NEIC Event type fe. Felt [IV PIVS] at Gamay, Lapinig and Mapanas and [III PIVS] at Borongan, General MacArthur and San Policarpio. Also felt [III PIVS] at Tacloban, Leyte.

MAN IX 16 01 52 53.8 12.69N 125.68E 77 4.3b,3.1L ¶604684375

ISC IX 16 03 35 30.1–1.7 11.01N–.04 125.82E–.09 29–13 3.6b 18 1-85
IDC IX 16 03 35 24.1–2.0 11.13N 125.93E 0 3.8,3.7 **¶601863632**
MAN IX 16 03 35 33.5 10.98N 125.59E 22 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=208.9km s-min=21.5km az=68.0.

ISC IX 16 14 15 28.3–2.2 12.70N–.06 125.70E–.08 9–13 3.4b 23 1-50
MAN IX 16 14 15 24.5 12.86N 125.94E 5 4.6b,3.5L **¶601863656**
IDC IX 16 14 15 28.6–2.3 12.25N 124.75E 0 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=211.8km s-min=26.2km az=64.0.

MAN IX 16 14 46 09.8 12.67N 125.60E 34 4.1b,2.9L ¶604684381

MAN IX 16 19 14 18.8 12.10N 125.40E 34 4.3b,3.1L ¶604684386

MAN IX 20 02 57 21.6 12.05N 124.18E 25 3.9b,2.7L ¶604684433

MAN IX 20 13 59 01.4 12.75N 125.57E 27 4.6b,3.5L ¶604684435

ISC IX 23 06 30 29.2–.38 12.97N–.03 125.28E–.05 30–2 4.7b,3.9s 231 1-149
ISCJB IX 23 06 30 26.9–.94 13.00N–.02 125.19E–.03 29–7 4.6b,4.0s **¶601737040**
MOS IX 23 06 30 27.3–1.3 12.77N 125.11E 37 4.7b,4.0s
MAN IX 23 06 30 28.3 12.94N 124.99E 51 5.7b,5.2s
NEIC IX 23 06 30 29.8–.30 12.84N 125.03E 43 4.9b,5.2s
DJA IX 23 06 30 29.8–.50 13N–3.0 126E–7.0 53–6 6.0,5.3
IDC IX 23 06 30 30.0–.47 12.78N 125.00E 43–4 4.5L,4.3
BJI IX 23 06 30 31.4 13.57N 125.80E 38 4.8b,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=2.9km az=169.1.
MOS Error ellipse: s-maj=13.0km s-min=6.6km az=116.4.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.1km az=75.0. Felt [IV PIVS] at Laoang; [III PIVS] at Bobon, Catarman and Palapag; [II PIVS] at Allen.
IDC Error ellipse: s-maj=15.1km s-min=9.2km az=79.0.

ISC IX 25 02 51 14.0–.61 11.46N–.06 125.62E–.08 53 4.0b 30 1-148
ISCJB IX 25 02 51 12.2–.51 11.48N–.04 125.68E–.06 53 3.9b,3.7s **¶601864134**
MAN IX 25 02 51 12.6 11.44N 125.64E 22 4.9b,3.9L
IDC IX 25 02 51 13.6–3.3 11.29N 125.49E 51–29 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.7km az=16.4.
IDC Error ellipse: s-maj=29.9km s-min=12.5km az=71.0.

MAN IX 28 21 08 59.9 11.26N 125.79E 8 4.4b,3.3L ¶604684493

MAN X 05 17 49 08.7 11.98N 125.95E 44 4.6b,3.5L ¶604684520

ISC X 06 10 18 31.2–.78 11.40N–.03 125.44E–.06 58–6 4.3b 68 0-148
IDC X 06 10 18 22.9–.66 11.33N 125.43E 0 4.2,4.1b **¶601890557**
NEIC X 06 10 18 28.1–.34 11.30N 125.44E 35 4.6b,4.1b
ISCJB X 06 10 18 30.8–.49 11.43N–.03 125.49E–.05 71–3 4.2b,4.1b
MAN X 06 10 18 32.7 11.37N 125.36E 29 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=41.8km s-min=14.0km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=19.3km s-min=6.4km az=68.0. Felt [III PIVS] at Borongan, Llorente and Maydolong; [II PIVS] at Can-Avid and Mercedes; [I PIVS] at Oras. Also felt [II PIVS] at Tacloban, Leyte.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.1km az=171.0.

MAN X 06 10 43 35.1 11.38N 125.32E 26 4.1b,2.9L ¶604684566

MAN X 06 18 51 21.3 12.87N 124.34E 113 4.6b,3.5L ¶604684568

MAN X 07 02 54 51.0 11.26N 125.43E 199 4.0b,2.8L ¶604684569

MAN X 08 04 18 09.9 11.77N 125.87E 57 4.3b,3.1L ¶604684576

ISC X 08 13 49 21.7–1.3 11.86N–.06 125.78E–.09 10 3.3b 14 0-50
ISCJB X 08 13 49 20.0–1.0 11.89N–.06 125.96E–.07 10 3.4b **¶601997528**
IDC X 08 13 49 21.5–3.4 11.36N 124.92E 0 3.5,3.3
MAN X 08 13 49 23.9 11.88N 125.64E 2 4.6b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=8.6km az=162.0.
IDC Error ellipse: s-maj=291.0km s-min=26.8km az=64.0.

ISC X 09 10 47 44.0–.86 11.85N–.04 125.34E–.06 48–7 4.2b 61 0-148
IDC X 09 10 47 36.8–.68 11.79N 125.37E 0 4.1,4.0b **¶601997652**
ISCJB X 09 10 47 43.1–.55 11.83N–.04 125.41E–.06 59–4 4.1b,4.0b
MAN X 09 10 47 44.0 11.87N 125.35E 27 4.7b,3.6L
NEIC X 09 10 47 44.4–3.1 11.77N 125.37E 55–29 4.5b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=67.8km s-min=15.5km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.0km az=164.2.
NEIC Event type fe. Error ellipse: s-maj=20.2km s-min=5.4km az=68.0. Felt [II PIVS] at Borongan and Taft and [I PIVS] at Llorente.

MAN X 13 04 52 50.1 11.78N 125.27E 43 4.3b,3.1L ¶604684595

MAN X 15 00 10 39.3 12.61N 124.74E 27 4.2b,3.0L ¶604684605

ISC X 16 12 59 05.7–1.1 12.67N–.07 125.58E–.10 33 3.6b 19 1-59
IDC X 16 12 59 01.3–1.1 12.37N 125.38E 0 3.7,3.5 **¶601998531**
ISCJB X 16 12 59 04.5–.90 12.71N–.05 125.62E–.08 33 3.5b,3.5
MAN X 16 12 59 05.5 12.62N 125.50E 21 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=68.8km s-min=18.3km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.9km az=170.4.

ISC X 17 21 14 39.7–1.0 12.42N–.08 125.1E–.10 44 3.7b 15 0-59
IDC X 17 21 14 34.1–1.5 11.98N 124.61E 0 3.8,3.7b **¶601998709**
ISCJB X 17 21 14 39.4–.85 12.41N–.07 125.0E–.10 44 3.6b,3.7b
MAN X 17 21 14 40.1 12.30N 124.88E 26 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=76.5km s-min=17.4km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=6.1km az=153.1.

MAN X 20 20 55 22.2 12.50N 124.61E 34 3.8b,2.5L ¶604684637

MAN X 22 09 16 55.5 11.79N 125.98E 96 4.4b,3.3L ¶604684645

MAN X 24 02 47 14.4 11.35N 125.40E 22 4.5b,3.4L ¶604684653

MAN X 28 03 51 05.2 11.45N 125.38E 39 4.1b,2.9L ¶604684670

ISC	X	**28 13 29 32.4–1.1**	**12.37N–.06**	**125.19E–.09**	**35**	**3.4b**	**16**	**1-50**
IDC	X	28 13 29 26.3–2.3	12.10N	124.91E	0	4.3s,4.3		¶602000073
ISCJB	X	28 13 29 33.7–1.1	12.37N–.06	125.1E–.10	35	4.2s,3.6b		
MAN	X	28 13 29 33.5	12.32N	125.08E	42	4.4b,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=94.4km s-min=27.0km az=58.0.							
ISCJB	Event type ke. Error ellipse: s-maj=15.9km s-min=6.0km az=151.7.							
ISC	**X**	**29 15 55 44.8–1.1**	**12.40N–.06**	**125.03E–.08**	**44**	**3.3b**	**19**	**0-50**
IDC	X	29 15 55 39.0–2.4	12.01N	124.81E	0	3.5,3.3		¶602000307
ISCJB	X	29 15 55 44.5–.88	12.37N–.06	125.00E–.07	44	3.3b,3.3		
MAN	X	29 15 55 44.5	12.33N	124.96E	25	4.5b,3.4L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=102.7km s-min=23.4km az=56.0.							
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=6.2km az=149.1.							
MAN	**XI**	**01 18 46 29.5**	**11.63N**	**125.52E**	**11**	**4.3b,3.1L**		
								¶604684691
MAN	**XI**	**01 21 36 49.4**	**12.01N**	**125.88E**	**26**	**4.2b,3.0L**		
								¶604684694
MAN	**XI**	**10 06 12 51.7**	**11.70N**	**125.37E**	**24**	**4.3b,3.1L**		
								¶604684732
MAN	**XI**	**10 08 00 03.2**	**12.61N**	**124.93E**	**18**	**5.1b,4.1s**		
								¶604684734
MAN	**XI**	**11 00 28 20.7**	**12.96N**	**124.91E**	**18**	**4.8b,3.7L**		
								¶604684737
MAN	**XI**	**13 04 20 35.7**	**11.60N**	**125.44E**	**26**	**4.2b,3.1L**		
								¶604684746
MAN	**XI**	**14 19 14 41.4**	**12.70N**	**125.38E**	**16**	**4.7b,3.6L**		
								¶604684757
MAN	**XI**	**14 19 17 30.4**	**12.63N**	**125.37E**	**21**	**4.6b,3.5L**		
								¶604684758
MAN	**XI**	**15 11 55 25.5**	**12.72N**	**125.34E**	**25**	**4.7b,3.5L**		
								¶604684761
MAN	**XI**	**15 12 09 48.8**	**12.64N**	**125.21E**	**34**	**4.5b,3.4L**		
								¶604684762
ISC	**XI**	**24 15 05 27.1–.98**	**11.86N–.04**	**125.38E–.09**	**49–8**	**3.9b**	**23**	**0-84**
ISCJB	XI	24 15 05 26.2–.71	11.83N–.05	125.37E–.08	59–5	3.7b		¶602389940
MAN	XI	24 15 05 27.4	11.85N	125.31E	31	4.5b,3.4L		
IDC	XI	24 15 05 29.3–13	11.76N	125.38E	72–116	3.7,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.2km s-min=8.2km az=165.9.							
IDC	Error ellipse: s-maj=191.0km s-min=18.2km az=65.0.							
MAN	**XI**	**25 11 04 30.2**	**11.45N**	**125.68E**	**60**	**4.1b,2.9L**		
								¶604686042
MAN	**XI**	**25 13 49 06.1**	**12.17N**	**125.81E**	**14**	**4.5b,3.3L**		
								¶604686043
MAN	**XI**	**29 18 40 29.0**	**11.18N**	**125.29E**	**9**	**4.0b,2.8L**		
								¶604686054
MAN	**XII**	**01 15 24 14.0**	**12.53N**	**124.68E**	**28**	**4.6b,3.4L**		
								¶604686226
MAN	**XII**	**09 02 34 55.8**	**11.49N**	**125.29E**	**29**	**4.3b,3.1L**		
								¶604699587
MAN	**XII**	**24 12 21 21.6**	**12.46N**	**125.11E**	**12**	**4.5b,3.4L**		
								¶604700269
ISC	**XII**	**29 18 28 20.9–2.0**	**12.98N–.04**	**125.19E–.07**	**0–12**	**3.4b**	**28**	**1-52**
IDC	XII	29 18 28 20.3–1.1	12.89N	125.19E	0	3.6,3.4		¶602380849
MAN	XII	29 18 28 22.9	13.02N	125.31E	7	4.4b,3.2L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=58.9km s-min=18.4km az=64.0.							

(253) Sulu Sea.

ISC	**VIII**	**15 19 42 20.2–1.0**	**6.91N–.07**	**119.09E–.09**	**10**	**3.5b**	**11**	**2-55**
IDC	VIII	15 19 42 17.7–1.4	7.19N	119.53E	0	3.6,3.4b		¶601765895
ISC	Event type ke.							
IDC	Error ellipse: s-maj=184.5km s-min=19.7km az=64.0.							
MAN	**X**	**20 12 13 28.7**	**9.35N**	**121.82E**	**32**	**4.4b,3.2L**		
								¶604684634
MAN	**XI**	**18 21 47 42.9**	**9.78N**	**121.92E**	**27**	**4.3b,3.1L**		
								¶604684768

(254) Panay.

ISC	**VII**	**04 12 35 43.0–1.1**	**10.24N–.03**	**122.33E–.04**	**29–8**	**4.2b**	**76**	**0-90**
IDC	VII	04 12 35 38.8–.59	10.23N	122.39E	0	4.3L,4.1		¶601551744
MAN	VII	04 12 35 43.4	10.49N	122.34E	30	4.6b,3.5L		
NEIC	VII	04 12 35 44.1–.62	10.23N	122.44E	39–6	4.5b,3.5L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=29.4km s-min=12.4km az=75.0.							
NEIC	Event type fe. Error ellipse: s-maj=6.5km s-min=3.6km az=73.0. Felt [III PIVS] at Jordan and Nueva Valencia, Guimaras Island and [II PIVS] at Mandurriao, Panay.							
MAN	**VII**	**15 10 50 16.6**	**10.36N**	**122.17E**	**44**	**4.2b,3.0L**		
								¶604683966
MAN	**VII**	**19 19 40 33.1**	**10.06N**	**122.43E**	**28**	**4.0b,2.7L**		
								¶604683984
ISC	**VII**	**25 23 48 50.1–1.5**	**10.08N–.04**	**122.00E–.04**	**7–9**	**4.0b,3.2s**	**50**	**1-148**
IDC	VII	25 23 48 49.0–.65	10.03N	122.18E	0	4.1,3.9b		¶601472673
MAN	VII	25 23 48 52.8	10.26N	122.04E	19	5.0b,3.9L		
NEIC	VII	25 23 48 56.7–1.5	10.01N	122.13E	60–15	4.2b,3.9L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=32.0km s-min=14.9km az=70.0.							
NEIC	Event type fe. Error ellipse: s-maj=15.1km s-min=8.1km az=62.0. Felt [III PIVS] at Iloilo and [II PIVS] at Anini-y. Also felt [II PIVS] at Jordan, Guimaras Island.							
MAN	**VII**	**26 05 21 24.3**	**10.14N**	**122.11E**	**38**	**4.5b,3.4L**		
								¶604684020
MAN	**VIII**	**04 16 33 07.5**	**10.37N**	**122.39E**	**32**	**4.1b,2.9L**		
								¶604684086
MAN	**VIII**	**12 21 32 45.8**	**11.80N**	**121.74E**	**32**	**3.7b,2.5L**		
								¶604684134
MAN	**VIII**	**21 22 56 59.0**	**10.62N**	**122.28E**	**32**	**3.8b,2.5L**		
								¶604684172
MAN	**IX**	**03 19 39 57.3**	**11.56N**	**122.93E**	**252**	**3.9b,2.6L**		
								¶604684255
MAN	**IX**	**22 05 06 47.3**	**10.12N**	**122.43E**	**53**	**3.9b,2.6L**		
								¶604684455
MAN	**X**	**14 15 40 01.1**	**11.03N**	**122.25E**	**38**	**4.1b,2.9L**		
								¶604684603
ISC	**X**	**17 02 17 38.6–1.2**	**11.18N–.04**	**122.07E–.04**	**26–12**	**3.6b**	**18**	**0-37**
ISCJB	X	17 02 17 37.6–.81	11.17N–.05	122.12E–.06	30–9	3.6b		¶601998598
MAN	X	17 02 17 37.3	11.22N	122.09E	25	4.4b,3.3L		
IDC	X	17 02 17 38.1–1.6	10.58N	121.70E	0	4.6L,4.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.4km s-min=8.3km az=19.4.							
IDC	Error ellipse: s-maj=59.4km s-min=21.2km az=63.0.							
ISC	**XI**	**02 20 39 00.6–.65**	**10.64N–.03**	**122.67E–.03**	**89–6**	**4.4b**	**146**	**0-148**
IDC	XI	02 20 38 59.2–3.2	10.58N	122.95E	81–29	4.4,4.1		¶601869331
ISCJB	XI	02 20 39 00.6–.24	10.63N–.02	122.82E–.03	104–3	4.4b,4.1		
MAN	XI	02 20 39 00.3	10.65N	122.68E	90	5.4b,4.6s		
NEIC	XI	02 20 39 03.6–.75	10.57N	122.91E	126–7	4.5b,4.6s		
BJI	XI	02 20 39 04.2	10.83N	122.66E	112	4.8b,4.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.4km s-min=11.0km az=67.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=159.7.							
NEIC	Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=65.0.							
MAN	**XI**	**06 18 41 19.5**	**10.60N**	**122.29E**	**47**	**3.9b,2.6L**		
								¶604684716
MAN	**XI**	**13 07 52 08.7**	**10.94N**	**122.16E**	**27**	**4.6b,3.5L**		
								¶604684747
MAN	**XI**	**14 10 11 16.4**	**10.08N**	**122.23E**	**8**	**4.6b,3.5L**		
								¶604684754
MAN	**XI**	**14 18 21 00.3**	**10.13N**	**122.26E**	**24**	**4.7b,3.6L**		
								¶604684756
MAN	**XI**	**14 19 40 56.8**	**10.13N**	**122.24E**	**57**	**4.6b,3.4L**		
								¶604684759
MAN	**XI**	**14 20 48 12.1**	**10.61N**	**122.49E**	**39**	**4.0b,2.8L**		
								¶604684760
MAN	**XI**	**23 18 51 50.2**	**10.52N**	**122.23E**	**0**	**4.0b,2.8L**		
								¶604686036
MAN	**XI**	**25 16 08 09.5**	**10.64N**	**121.61E**	**38**	**4.1b,2.9L**		
								¶604686044
MAN	**XI**	**25 17 52 03.3**	**10.22N**	**122.36E**	**54**	**4.0b,2.8L**		
								¶604686045
ISC	**XI**	**26 17 53 03.4–.87**	**10.97N–.02**	**122.32E–.03**	**32–6**	**4.6b,4.1s**	**314**	**0-169**
IDC	XI	26 17 52 57.7–.38	10.90N	122.37E	0	4.5,4.4		¶601994617
MAN	XI	26 17 52 59.7	11.02N	122.17E	4	5.6b,4.9s		
BJI	XI	26 17 53 01.2	11.10N	122.50E	10	4.8b,4.5b		
MOS	XI	26 17 53 01.1–.98	10.92N	122.42E	33	4.7b,4.5b		
GCMT	XI	26 17 53 02.8–.20	11.13N–.02	122.24E–.02	27–0	5.0W,4.5b		
NEIC	XI	26 17 53 02.8–.77	10.97N	122.41E	33–5	4.8b,4.5b		
ISCJB	XI	26 17 53 03.3–.32	11.01N–.02	122.35E–.03	46–3	4.6b,4.1s		
KLM	XI	26 17 53 07.0	10.80N	122.57E	30	5.0b,4.1s		
DJA	XI	26 17 53 09.5–.70	11N–4.0	122E–3.0	81–7	5.2b,4.9b		
ISC	Event type fe.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c58; s83,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.15±.18 $M_{\theta\theta}$-0.09±.11; $M_{\phi\phi}$-4.06±.14; $M_{r\theta}$-1.92±.21; $M_{\theta\phi}$-1.18±.07; $M_{\phi r}$-1.02±.23; Best double couple: NP1:ϕ_s214.00000°,δ57.00000°,λ111.00000°. NP2:ϕ_s358.00000°,δ38.00000°,λ61.00000°. Principal axes: T 4.9220,Plg70.0000° ,Azm170.0000°; N -0.2730,Plg18.0000°,Azm22.0000°; P -4.6530,Plg10.0000° ,Azm289.0000° M_o4.78800×10^{16}							
NEIC	Event type fe. Felt [V PIVS] at Valderrama; [IV PIVS] at San Jose and Sibalom; [III PIVS] at Calinog and Iloilo.							
ISCJB	Event type fe.							
MAN	**XII**	**01 12 41 06.0**	**10.56N**	**122.44E**	**35**	**4.5b,3.3L**		
								¶604686224
MAN	**XII**	**07 15 27 44.6**	**10.77N**	**122.29E**	**51**	**4.3b,3.2L**		
								¶604686244

(255) Cebu.

MAN	**VII**	**01 02 44 20.1**	**10.10N**	**123.26E**	**1**	**4.8b,3.7L**		
								¶604683882
ISC	**VII**	**08 16 56 18.2–1.3**	**10.24N–.03**	**123.36E–.03**	**3–9**	**3.7b**	**55**	**1-90**
IDC	VII	08 16 56 17.7–.62	9.76N	122.68E	0	3.9,3.8b		¶601244248
MAN	VII	08 16 56 18.3	10.25N	123.35E	1	4.9b,3.8L		
ISCJB	VII	08 16 56 20.0–1.5	10.22N–.02	123.34E–.03	15–10	3.8b,3.2s		
NEIC	VII	08 16 56 27.2–1.3	9.83N	122.80E	74–13	4.2b,3.2s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.3km s-min=12.8km az=68.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=144.4.							
NEIC	Event type se. Error ellipse: s-maj=25.2km s-min=7.7km az=66.0.							
MAN	**VII**	**08 17 11 14.3**	**10.26N**	**123.26E**	**23**	**4.1b,2.9L**		
								¶604683924
MAN	**VII**	**08 17 25 48.9**	**10.31N**	**123.45E**	**31**	**3.6b,2.3L**		
								¶604683925
MAN	**VII**	**09 00 55 32.8**	**10.27N**	**123.33E**	**1**	**4.7b,3.6L**		
								¶604683930
MAN	**VII**	**10 15 00 51.2**	**10.28N**	**123.26E**	**1**	**4.2b,3.0L**		
								¶604683941
MAN	**VII**	**12 18 37 47.1**	**10.28N**	**123.18E**	**8**	**3.8b,2.5L**		
								¶604683952
MAN	**VII**	**13 20 46 34.3**	**10.05N**	**123.15E**	**5**	**4.0b,2.8L**		
								¶604683959
MAN	**VII**	**25 00 02 05.4**	**10.10N**	**123.24E**	**1**	**4.3b,3.2L**		
								¶604684012
MAN	**VII**	**28 16 23 49.4**	**10.02N**	**123.13E**	**34**	**4.1b,2.9L**		
								¶604684041
MAN	**VII**	**31 12 30 25.0**	**10.08N**	**123.16E**	**1**	**4.4b,3.2L**		
								¶604684057
MAN	**VIII**	**12 17 29 38.3**	**10.65N**	**123.47E**	**43**	**4.3b,3.1L**		
								¶604684131
MAN	**VIII**	**21 01 15 57.9**	**10.09N**	**123.16E**	**26**	**4.1b,2.9L**		
								¶604684168
ISC	**IX**	**17 15 43 42.0–1.3**	**10.03N–.03**	**123.25E–.03**	**7–12**		**26**	**1-35**
MAN	IX	17 15 43 41.9	10.06N	123.20E	4	4.4b,3.3L		¶604684407
ISC	Event type ke.							
MAN	**IX**	**23 17 01 37.5**	**10.00N**	**123.42E**	**27**	**4.3b,3.1L**		
								¶604684464
MAN	**X**	**07 20 31 55.0**	**10.49N**	**123.28E**	**20**	**3.8b,2.6L**		
								¶604684574
MAN	**X**	**15 12 53 11.2**	**10.14N**	**123.27E**	**1**	**4.2b,3.1L**		
								¶604684607
MAN	**X**	**16 18 05 55.5**	**10.04N**	**123.02E**	**5**	**4.4b,3.2L**		
								¶604684615
MAN	**X**	**17 05 05 49.1**	**10.46N**	**123.30E**	**2**	**3.9b,2.6L**		
								¶604684618
MAN	**X**	**26 14 05 44.0**	**10.07N**	**123.23E**	**1**	**5.2b,4.3s**		
								¶604684661
MAN	**X**	**26 14 23 41.8**	**10.06N**	**123.22E**	**1**	**4.8b,3.7L**		
								¶604684662
MAN	**X**	**28 18 45 20.2**	**10.26N**	**123.25E**	**4**	**4.5b,3.3L**		
								¶604684673
MAN	**XI**	**01 21 26 56.8**	**10.14N**	**123.23E**	**1**	**3.9b,2.6L**		
								¶604684693
MAN	**XI**	**15 17 07 27.8**	**10.13N**	**123.06E**	**32**	**4.2b,3.0L**		
								¶604684763
ISC	**XII**	**03 17 00 13.5–1.4**	**10.05N–.03**	**123.33E–.03**	**12–10**	**3.6b**	**32**	**1-85**
IDC	XII	03 17 00 11.1–1.2	10.14N	123.87E	0	3.8,3.7		¶602390402
MAN	XII	03 17 00 12.8	10.11N	123.21E	7	4.8b,3.7L		
ISCJB	XII	03 17 00 13.6–1.7	10.06N–.03	123.24E–.03	13–12	3.5b,2.6s		
ISC	Event type ke.							
ISCJB	Event type ke.							
MAN	**XII**	**03 17 23 18.5**	**10.10N**	**123.45E**	**34**	**4.4b,3.2L**		
								¶604686236
IDC	**XII**	**09 11 14 58.8–2.6**	**11.36N**	**123.97E**	**0**	**3.7,3.4**		
								¶602390899
IDC	Error ellipse: s-maj=220.3km s-min=25.8km az=64.0.							
MAN	**XII**	**24 14 26 34.9**	**10.03N**	**123.45E**	**3**	**4.4b,3.2L**		
								¶604700270
MAN	**XII**	**31 17 27 49.1**	**10.34N**	**123.97E**	**17**	**3.9b,2.6L**		
								¶604700558

(256) Leyte.

ISC	**VII**	**03 21 59 57.7–.56**	**10.04N–.04**	**125.49E–.06**	**185–5**	**4.2b**	**104**	**0-90**
ISCJB	VII	03 21 59 56.7–.26	10.05N–.03	125.53E–.05	192–2	4.0b		¶601237323
NEIC	VII	03 21 59 57.8–1.1	10.06N	125.59E	192–11	4.4b		
MAN	VII	03 21 59 58.6	10.06N	125.46E	172	4.9b,3.8L		
IDC	VII	03 21 59 58.4–1.5	10.03N	125.53E	194–15	4.3,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=160.6.							
NEIC	Event type se. Error ellipse: s-maj=29.6km s-min=15.0km az=74.0.							
IDC	Error ellipse: s-maj=16.6km s-min=7.7km az=74.0.							
ISC	**VII**	**04 11 09 51.0–1.0**	**11.49N–.02**	**124.41E–.03**	**16–7**	**4.5b,3.9s**	**153**	**1-120**
IDC	VII	04 11 09 48.0–.48	11.48N	124.56E	0	4.4,4.4		¶601240446
MAN	VII	04 11 09 48.5	11.52N	124.38E	3	5.6b,4.9s		
BJI	VII	04 11 09 48.9	11.33N	124.59E	21	4.8b,4.7b		
NEIC	VII	04 11 09 50.7–2.5	11.38N	124.44E	18–15	4.7b,4.7b		
GCMT	VII	04 11 09 50.7–.30	11.57N	124.42E	13–1	4.8W,4.7b		
ISCJB	VII	04 11 09 50.9–.69	11.48N–.02	124.46E–.02	29–5	4.5b,3.9s		
ISC	Event type fe.							
NEIC	Event type fe. Felt [V PIVS] at Calubian, [IV PIVS] at Leyte, [III PIVS] at Kananga and [II PIVS] at Matagob, Palompon and Tacloban. Also felt [V PIVS] at Naval and [IV PIVS] at Almeria, Culaba and Kawayan, Biliran Island. Felt [I PIVS] at Cebu City, Cebu.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s11,c12; s83,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.09 $M_{\theta\theta}$1.98±.09; $M_{\phi\phi}$-1.83±.10; $M_{r\theta}$-0.35±.20; $M_{\theta\phi}$-0.90±.07; $M_{\phi r}$-0.77±.25; Best double couple: NP1:ϕ_s59.00000°,δ79.00000°,λ-162.00000°. NP2:ϕ_s326.00000°,δ72.00000°,λ-12.00000°.							

Principal axes: T 2.1960,Plg5.0000°,Azm192.0000°; N 0.1450,Plg69.0000°,Azm90.0000° ; P -2.3440,Plg21.0000°,Azm283.0000° $M_0$2.27000×10^{16}

ISCJB Event type fe.

MAN VII 04 11 15 34.3 11.57N 124.38E 1 4.6b,3.5L ¶604683899

MAN VII 04 11 56 58.1 11.56N 124.39E 5 4.4b,3.2L ¶604683900

MAN VII 05 10 04 22.2 11.55N 124.37E 10 4.5b,3.4L ¶604683904

MAN VII 05 11 22 34.3 11.48N 124.51E 26 4.2b,3.1L ¶604683905

MAN VII 06 11 17 33.6 11.07N 124.63E 58 3.6b,2.3L ¶604683910

MAN VII 07 12 41 34.2 11.79N 124.27E 59 4.4b,3.3L ¶604683914

MAN VII 07 18 25 40.7 10.02N 125.88E 29 4.8b,3.7L ¶604683916

ISC VII 08 08 05 54.0–1.9 10.88N–.03 125.72E–.07 16–13 3.5b 26 1-79
IDC VII 08 08 05 51.6–.95 10.75N 125.68E 0 3.7,3.5 ¶601664281
MAN VII 08 08 05 56.3 10.75N 125.57E 10 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=19.0km az=71.0.

ISC VII 09 23 40 34.2–1.2 11.30N–.03 124.55E–.03 5–8 4.0b,3.3s 48 0-95
IDC VII 09 23 40 31.5–.88 11.79N 126.14E 0 5.2L,4.3 ¶601456889
ISCJB VII 09 23 40 33.8–1.0 11.33N–.03 124.57E–.04 5–8 4.1b,3.3s
MAN VII 09 23 40 34.5 11.28N 124.63E 12 4.9b,3.8L
NEIC VII 09 23 40 36.9–.55 11.72N 126.01E 35 4.1b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=45.7km s-min=14.0km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.4km az=12.4.
NEIC Event type fe. Error ellipse: s-maj=23.1km s-min=8.1km az=66.0. Felt [III PIVS] at Capoocan, Carigara and Leyte; [II PIVS] at Kanaga, Ormoc and San Isidro, Leyte. Also felt [II PIVS] at Biliran, Biliran Island.

MAN VII 10 15 49 15.6 11.12N 124.64E 33 4.6b,3.5L ¶604683943

ISC VII 11 16 50 33.6–1.8 11.64N–.07 124.38E–.06 7–13 3.5b 14 1-54
IDC VII 11 16 50 33.4–2.7 11.56N 124.37E 0 3.6,3.4 ¶601664435
ISC Event type ke.
IDC Error ellipse: s-maj=255.3km s-min=21.9km az=65.0.

MAN VII 11 16 57 48.7 11.36N 124.57E 17 3.8b,2.5L ¶604683949

MAN VII 13 15 13 39.0 11.02N 124.04E 10 4.2b,3.0L ¶604683956

MAN VII 13 16 38 26.0 11.25N 124.70E 16 4.2b,3.0L ¶604683958

ISC VII 19 19 23 04.3–1.2 10.38N–.04 124.98E–.07 13–9 15 0-35
IDC VII 19 19 22 33.0–3.9 13.69N 124.88E 0 3.6,3.4b ¶604683983
MAN VII 19 19 23 04.7 10.40N 124.93E 1 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=310.5km s-min=26.4km az=64.0.

MAN VII 23 19 36 45.9 10.98N 124.64E 33 3.6b,2.3L ¶604684001

MAN VII 23 22 59 46.0 10.84N 124.87E 32 3.5b,2.2L ¶604684002

ISC VII 24 02 01 38.7–1.5 10.80N–.04 125.57E–.07 8–10 3.7b,2.5s 25 1-92
IDC VII 24 02 01 36.1–1.0 10.85N 125.68E 0 3.9,3.8b ¶601666354
MAN VII 24 02 01 39.7 10.78N 125.55E 2 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=66.0km s-min=20.7km az=70.0.

MAN VII 24 02 36 03.8 10.82N 125.54E 1 4.4b,3.3L ¶604684004

MAN VII 24 12 46 44.7 11.84N 124.14E 24 4.6b,3.4L ¶604684006

ISC VII 24 17 49 54.7–1.2 11.01N–.03 124.75E–.03 3–8 4.4b,3.3s 89 0-97
IDC VII 24 17 49 53.7–.80 11.03N 124.98E 0 4.1,3.9b ¶601643200
MAN VII 24 17 49 54.0 11.06N 124.64E 1 4.9b,3.9s
ISCJB VII 24 17 49 55.3–.49 11.01N–.02 124.75E–.03 17–4 4.4b,3.4s
NEIC VII 24 17 50 02.0–.86 11.02N 124.92E 61–8 4.6b,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=48.5km s-min=14.8km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=10.3.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=5.1km az=77.0. Felt [IV PIVS] at Kananga and Ormoc; [III PIVS] at Carigara, Pastrana and Tacloban; [II PIVS] at Palo and Tolosa.

MAN VII 26 12 02 59.3 10.10N 125.66E 79 4.4b,3.2L ¶604684025

MAN VII 26 22 32 25.6 11.10N 124.70E 12 4.0b,2.8L ¶604684031

MAN VII 30 10 02 41.8 10.32N 125.07E 8 4.6b,3.5L ¶604684048

MAN VII 30 13 29 51.1 11.37N 124.51E 20 3.8b,2.5L ¶604684049

MAN VIII 01 21 48 21.5 11.23N 124.46E 47 4.1b,2.9L ¶604684067

MAN VIII 09 13 22 16.4 10.78N 125.56E 1 4.1b,2.9L ¶604684111

MAN VIII 11 17 13 15.7 10.54N 124.03E 37 4.2b,3.1L ¶604684126

MAN VIII 12 23 20 20.8 10.03N 125.01E 31 4.4b,3.2L ¶604684135

MAN VIII 16 08 55 12.0 10.20N 125.77E 85 4.1b,2.8L ¶604684145

ISC VIII 16 08 57 54.5–1.0 10.24N–.04 125.85E–.07 65–10 3.8b 29 1-80
IDC VIII 16 08 57 45.0–1.0 10.33N 126.02E 0 3.9,3.7b ¶601765929
ISCJB VIII 16 08 57 54.2–.58 10.24N–.03 125.83E–.06 88–6 3.6b,3.7b
MAN VIII 16 08 57 54.6 10.23N 125.85E 58 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=62.5km s-min=20.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.7km az=163.4.

MAN VIII 18 17 14 25.6 10.40N 124.98E 4 4.2b,3.0L ¶604684160

IDC VIII 18 20 17 08.9–3.5 10.77N 125.98E 0 3.6,3.4 ¶601766101

IDC Error ellipse: s-maj=314.6km s-min=21.6km az=66.0.

MAN VIII 28 05 48 10.5 10.22N 124.98E 54 4.0b,2.8L ¶604684202

MAN VIII 30 21 21 13.9 10.28N 125.99E 10 4.0b,2.8L ¶604684207

ISC VIII 31 15 28 24.7–1.4 10.32N–.03 125.13E–.04 7–10 3.9b 33 0-61
IDC VIII 31 15 28 22.9–2.0 10.39N 125.27E 0 3.9,3.7 ¶601755722
MAN VIII 31 15 28 24.8 10.34N 125.05E 2 4.8b,3.7L
ISCJB VIII 31 15 28 25.2–.84 10.29N–.03 125.18E–.05 23–6 3.8b,3.7L
ISC Event type ke.
ISCJB Event type ke.

ISC VIII 31 16 11 25.5–.98 11.11N–.04 124.71E–.03 7–7 3.8b 33 0-85
ISCJB VIII 31 16 11 25.2–.54 11.08N–.03 124.73E–.03 12–3 3.7b ¶601755733
MAN VIII 31 16 11 25.0 11.14N 124.74E 8 4.9b,3.8L
IDC VIII 31 16 11 33.6–12 11.04N 124.94E 75–123 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=135.0.
IDC Error ellipse: s-maj=68.3km s-min=18.9km az=60.0.

IDC IX 01 11 20 48.5–3.1 10.16N 125.59E 0 3.5,3.4 ¶601862714

IDC Error ellipse: s-maj=292.8km s-min=22.3km az=66.0.

MAN IX 04 09 34 04.4 10.15N 125.36E 22 4.8b,3.6L ¶601862918

ISC IX 04 19 09 22.2–1.1 10.82N–.02 125.32E–.03 7–7 4.7b,4.0s 280 0-162
DJA IX 04 19 09 19.5–1.0 11N–10 126E–5.0 10 5.7,5.6b ¶601675126
IDC IX 04 19 09 20.5–.53 10.69N 125.25E 0 4.4,4.3b
ISCJB IX 04 19 09 21.5–.16 10.90N–.02 125.40E–.02 10 4.5b,4.0s
GCMT IX 04 19 09 23.3–.30 10.81N–.02 125.26E–.04 17–1 4.8W,4.0s
MAN IX 04 19 09 23.0 10.81N 125.24E 8 5.3b,4.5s
MOS IX 04 19 09 25.5–1.1 10.84N 125.28E 46 4.8b,4.5s
BJI IX 04 19 09 25.5 11.10N 125.80E 30 4.9b,4.6b
NEIC IX 04 19 09 26.3–.19 10.88N 125.27E 35 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=11.4km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=174.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c12; s61,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.16 $M_{\theta\theta}$1.25±.09; $M_{\phi\phi}$0.10±.11; $M_{r\theta}$-0.19±.23; $M_{\theta\phi}$1.10±.06; $M_{\phi r}$1.38±.38; Best double couple: NP1:ϕ_s207.00000°,δ64.00000°,λ-128.00000°. NP2:ϕ_s88.00000°,δ45.00000°,λ-38.00000°. Principal axes: T 2.0290,Plg11.0000° ,Azm323.0000°; N 0.3160,Plg34.0000°,Azm225.0000°; P -2.3410,Plg54.0000°,Azm69.0000° $M_0$2.18500×10^{16}
MOS Error ellipse: s-maj=10.5km s-min=6.0km az=118.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.9km az=88.0.

MAN IX 05 01 21 18.1 11.11N 124.55E 37 3.9b,2.7L ¶604684285

MAN IX 05 04 28 05.4 11.21N 124.59E 35 3.8b,2.5L ¶604684286

IDC IX 05 16 53 49.9–3.5 10.29N 125.87E 0 3.5,3.4 ¶601862994

IDC Error ellipse: s-maj=285.6km s-min=26.8km az=65.0.

IDC IX 05 19 16 33.3–3.8 10.80N 125.88E 0 4.3s,4.3 ¶601863001

IDC Error ellipse: s-maj=307.4km s-min=27.1km az=65.0.

MAN IX 05 22 13 52.7 10.37N 125.06E 3 4.3b,3.1L ¶604684296

MAN IX 10 01 46 32.4 10.28N 124.93E 48 3.7b,2.5L ¶604684332

MAN IX 10 05 42 03.7 11.24N 124.65E 18 4.0b,2.8L ¶604684334

MAN IX 11 15 14 23.6 10.14N 124.83E 1 4.7b,3.6L ¶604684352

MAN IX 12 11 38 01.4 10.56N 125.99E 169 4.6b,3.5L ¶604684360

MAN IX 13 12 17 46.3 11.24N 124.49E 32 4.1b,2.9L ¶604684363

MAN IX 13 12 20 34.0 11.03N 124.62E 53 4.1b,2.9L ¶604684364

IDC IX 13 14 38 55.5–3.4 10.12N 125.94E 0 3.5,3.3 ¶601863465

IDC Error ellipse: s-maj=278.5km s-min=26.9km az=65.0.

MAN IX 15 02 13 06.0 10.77N 124.95E 45 3.9b,2.7L ¶604684369

IDC IX 15 21 24 49.8–2.5 10.68N 124.43E 0 3.7,3.5 ¶601863606

IDC Error ellipse: s-maj=159.3km s-min=26.0km az=67.0.

MAN IX 17 01 59 44.6 11.39N 124.57E 33 3.6b,2.3L ¶604684389

MAN IX 17 04 26 40.3 10.37N 125.18E 2 3.9b,2.7L ¶604684391

MAN IX 17 04 28 03.3 10.34N 125.20E 7 4.6b,3.5L ¶604684392

ISC IX 17 06 58 08.0–1.3 10.37N–.02 125.20E–.04 5–8 4.2b,3.8s 88 0-147
IDC IX 17 06 58 07.1–.59 10.31N 125.16E 0 4.2,4.0 ¶601740162
MAN IX 17 06 58 08.1 10.37N 125.18E 3 4.9b,4.3s
NEIC IX 17 06 58 12.4–.39 10.37N 125.25E 35 4.4b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=28.3km s-min=13.2km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=6.5km az=73.0. Felt [V PIVS] at Hinunangan and Hinundayan; [IV PIVS] at Silago; [III PIVS] at San Juan and Sogod.

ISC IX 17 07 16 30.9–.59 10.41N–.03 125.25E–.05 10 3.9b 39 0-147
IDC IX 17 07 16 27.9–1.0 11.01N 126.80E 0 5.2L,3.9 ¶601731824
ISCJB IX 17 07 16 30.1–.47 10.30N–.03 125.30E–.05 10 4.0b,3.4s
MAN IX 17 07 16 31.0 10.41N 125.18E 1 5.4b,4.6s
NEIC IX 17 07 16 32.8–.61 10.92N 126.58E 35 4.5b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=70.5km s-min=15.6km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.5km az=174.1.
NEIC Event type fe. Error ellipse: s-maj=21.8km s-min=8.3km az=77.0. Felt [IV PIVS] at Hinunangan and [III PIVS] at Hinundayan, Leyte.

ISC IX 17 07 28 48.1–1.3 10.37N–.03 125.15E–.04 6–9 4.0b,3.2s 45 0-92
IDC IX 17 07 28 44.6–1.2 10.94N 126.28E 0 5.0L,4.0 ¶601863683
ISCJB IX 17 07 28 48.3–.75 10.40N–.03 125.21E–.04 5–5 4.0b,3.1s
MAN IX 17 07 28 48.9 10.36N 125.07E 1 5.2b,4.4s
NEIC IX 17 07 28 49.9–.71 10.90N 126.48E 35 4.2b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=52.0km s-min=15.7km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.9km az=159.4.
NEIC Event type fe. Error ellipse: s-maj=27.9km s-min=11.5km az=73.0. Felt [IV PIVS] at Hinunangan, Leyte.

MAN IX 17 08 15 39.2 10.38N 125.23E 4 4.5b,3.3L ¶604684396

MAN IX 17 10 54 42.9 10.23N 125.21E 32 4.0b,2.8L ¶604684397

MAN IX 17 11 58 26.9 10.21N 125.19E 34 3.9b,2.7L ¶604684398

MAN IX 17 12 15 17.6 10.35N 125.26E 13 4.4b,3.2L ¶604684399

MAN IX 17 12 20 59.2 10.35N 125.17E 4 4.5b,3.3L ¶604684400

MAN IX 17 15 01 59.4 10.34N 124.94E 41 4.2b,3.0L ¶604684405

MAN IX 18 13 03 37.2 10.32N 125.22E 17 4.2b,3.0L ¶604684414

MAN IX 18 13 47 03.3 10.28N 124.78E 33 3.7b,2.4L ¶604684417

MAN IX 19 05 09 21.1 11.69N 124.18E 1 3.9b,2.6L ¶604684424

ISC IX 26 06 46 18.3–1.2 10.23N–.03 125.12E–.04 14–9 3.5b 26 0-55
IDC IX 26 06 46 15.4–2.7 10.40N 125.57E 0 3.7,3.5b ¶601864195
MAN IX 26 06 46 18.6 10.22N 125.03E 3 4.5b,3.4L
ISCJB IX 26 06 46 19.9–.55 10.21N–.03 125.07E–.04 24–5 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.

ISC IX 27 00 37 58.5–1.3 11.92N–.03 124.86E–.05 3–10 3.6b 28 1-53
IDC IX 27 00 37 54.4–1.3 12.13N 125.96E 0 3.8,3.7 ¶601864250
ISCJB IX 27 00 37 58.7–.78 11.93N–.04 124.94E–.06 8–7 3.6b,3.7
MAN IX 27 00 37 58.6 11.88N 124.87E 1 5.1b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=67.3km s-min=19.0km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=155.1.

MAN IX 30 08 13 31.3 10.98N 124.63E 31 3.9b,2.6L ¶604684498

MAN X 02 10 49 46.8 11.58N 124.36E 56 4.3b,3.2L ¶604684504

MAN X 04 23 26 54.2 10.10N 125.68E 19 4.3b,3.1L ¶604684515

MAN X 05 14 34 53.7 10.37N 125.92E 31 4.3b,3.1L ¶604684517

IDC X 06 00 18 08.6–4.3 10.91N 126.00E 0 3.5,3.3 ¶601997217

IDC Error ellipse: s-maj=352.3km s-min=27.9km az=65.0.

MAN X 07 15 07 39.7 10.81N 124.01E 7 4.2b,3.0L ¶604684571

MAN X 08 19 43 26.4 10.69N 125.32E 7 4.5b,3.3L ¶604684581

MAN X 10 08 19 03.8 10.49N 125.01E 1 4.4b,3.3L ¶604684583

MAN X 11 03 09 58.6 10.66N 124.44E 18 4.3b,3.1L ¶604684587

MAN	**X**	**11 03 25 59.4**	**10.65N**	**124.62E**	**20**	**4.4b,3.3L**		
								¶604684588
MAN	**X**	**15 11 04 55.5**	**10.36N**	**125.12E**	**11**	**4.5b,3.4L**		
								¶604684606
ISC	**X**	**18 06 08 31.7–1.0**	**10.26N–.03**	**125.90E–.07**	**73–9**	**4.0b**	**46**	**1-146**
ISCJB	X	18 06 08 30.6–.63	10.25N–.03	125.92E–.06	79–6	3.9b		**¶601998758**
MAN	X	18 06 08 31.5	10.26N	125.88E	55	4.7b,3.6L		
IDC	X	18 06 08 35.0–2.0	10.26N	125.99E	102–17	4.1,3.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.2km s-min=4.6km az=177.5.							
IDC	Error ellipse: s-maj=29.9km s-min=9.9km az=76.0.							
MAN	**X**	**21 09 08 54.7**	**10.98N**	**124.67E**	**29**	**4.2b,3.0L**		
								¶604684638
MAN	**X**	**30 18 58 18.4**	**11.98N**	**124.61E**	**1**	**4.4b,3.3L**		
								¶604684684
ISC	**XI**	**02 19 48 05.5–.99**	**10.15N–.05**	**125.5E–.10**	**125–10**	**3.2b**	**19**	**1-45**
IDC	XI	02 19 47 41.6–33	11.07N	123.95E	0	3.6s,3.6		**¶604684699**
MAN	XI	02 19 48 04.0	10.07N	125.73E	96	4.4b,3.2L		
ISCJB	XI	02 19 48 04.5–.67	10.19N–.05	125.6E–.10	125–7	3.4b,3.2L		
ISC	Event type ke.							
ISCJB	Event type ke.							
MAN	**XI**	**03 16 38 58.8**	**10.38N**	**125.19E**	**1**	**4.4b,3.2L**		
								¶604684704
MAN	**XI**	**11 21 52 31.5**	**11.59N**	**124.69E**	**3**	**4.4b,3.2L**		
								¶604684741
MAN	**XI**	**12 06 32 49.6**	**10.76N**	**125.24E**	**46**	**4.3b,3.2L**		
								¶604684744
MAN	**XI**	**14 02 56 43.2**	**11.29N**	**124.61E**	**3**	**4.3b,3.1L**		
								¶604684749
MAN	**XI**	**14 03 16 18.3**	**11.06N**	**124.67E**	**34**	**4.4b,3.2L**		
								¶604684750
ISC	**XI**	**20 22 43 47.5–.92**	**11.17N–.04**	**124.71E–.03**	**11–6**	**4.2b,3.4s**	**63**	**0-99**
IDC	XI	20 22 43 44.8–.84	11.11N	124.86E	0	4.2,4.1b		**¶602059997**
MAN	XI	20 22 43 46.7	11.18N	124.66E	1	4.7b,3.6L		
ISCJB	XI	20 22 43 47.5–.51	11.18N–.04	124.77E–.04	23–4	4.2b,3.4s		
NEIC	XI	20 22 43 56.5–2.7	11.21N	124.97E	95–26	4.2b,3.4s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=37.1km s-min=16.8km az=73.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.7km s-min=5.8km az=34.4.							
NEIC	Event type fe. Error ellipse: s-maj=14.4km s-min=7.0km az=66.0. Felt [II PIVS] at Tacloban.							
MAN	**XI**	**21 01 08 24.0**	**10.03N**	**124.02E**	**2**	**4.2b,3.0L**		
								¶604684773
MAN	**XI**	**22 06 01 36.1**	**10.80N**	**125.01E**	**0**	**4.1b,2.9L**		
								¶604686030
MAN	**XI**	**23 03 32 15.5**	**10.59N**	**125.57E**	**48**	**4.3b,3.1L**		
								¶604686035
ISC	**XII**	**04 21 17 48.5–1.4**	**10.67N–.02**	**124.84E–.04**	**2–10**	**3.7b,3.0s**	**36**	**0-99**
IDC	XII	04 21 17 48.2–.79	10.62N	124.83E	0	3.8,3.7		**¶602390469**
MAN	XII	04 21 17 49.4	10.68N	124.93E	2	4.7b,3.6L		
ISCJB	XII	04 21 17 50.5–.53	10.73N–.03	124.97E–.04	21–5	3.7b,3.2s		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**05 13 07 37.9–1.3**	**10.09N–.03**	**124.97E–.04**	**1–10**	**3.6b,2.7s**	**23**	**0-54**
ISCJB	XII	05 13 07 37.6–1.2	10.07N–.03	124.97E–.04	5–8	3.6b,2.8s		**¶602390499**
IDC	XII	05 13 07 38.3–1.1	10.06N	124.91E	0	3.7,3.6b		
MAN	XII	05 13 07 38.1	10.05N	124.95E	6	4.6b,3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=164.0.							
IDC	Error ellipse: s-maj=76.9km s-min=20.1km az=61.0.							
MAN	**XII**	**08 14 45 49.7**	**10.37N**	**125.16E**	**1**	**4.5b,3.3L**		
								¶604686247
MAN	**XII**	**08 22 19 56.1**	**11.21N**	**124.72E**	**9**	**4.4b,3.3L**		
								¶604686249
ISC	**XII**	**16 23 58 26.7–.63**	**11.03N–.03**	**124.59E–.03**	**13–3**	**4.4b**	**99**	**0-94**
MAN	XII	16 23 58 25.5	10.98N	124.64E	3	5.5b,4.7s		**¶602046996**
BJI	XII	16 23 58 28.0	10.67N	124.79E	65	4.9b,4.5b		
NEIC	XII	16 23 58 30.7–.89	11.09N	124.82E	46–8	4.5b,4.5b		
IDC	XII	16 23 58 34.1–3.5	11.01N	124.76E	78–35	4.1,4.0		
ISC	Event type fe.							
NEIC	Event type fe. Error ellipse: s-maj=8.9km s-min=4.4km az=71.0. Felt [IV PIVS] at Dulag, Ormoc and Tolosa; [III PIVS] at Palo and Tacloban; [II PIVS] at Leyte. Also felt at Naga, Cebu.							
IDC	Error ellipse: s-maj=30.1km s-min=13.5km az=73.0.							
MAN	**XII**	**19 20 18 43.3**	**10.78N**	**124.79E**	**150**	**4.3b,3.1L**		
								¶604700062
MAN	**XII**	**22 04 03 35.8**	**10.72N**	**124.94E**	**34**	**4.2b,3.0L**		
								¶604700192
MAN	**XII**	**24 22 34 52.2**	**11.86N**	**124.11E**	**21**	**4.5b,3.3L**		
								¶604700276
MAN	**XII**	**25 00 12 35.8**	**11.23N**	**124.58E**	**10**	**4.3b,3.2L**		
								¶604700320
MAN	**XII**	**26 02 59 33.6**	**10.60N**	**125.59E**	**62**	**4.5b,3.4L**		
								¶604700369

(257) Negros.

MAN	**VII**	**01 04 04 10.8**	**9.94N**	**123.09E**	**33**	**3.8b,2.5L**		
								¶604683883
MAN	**VII**	**02 03 38 54.6**	**9.52N**	**122.60E**	**21**	**4.4b,3.2L**		
								¶604683889
MAN	**VII**	**02 21 11 15.9**	**9.86N**	**123.69E**	**55**	**3.7b,2.4L**		
								¶604683894
MAN	**VII**	**04 17 50 24.2**	**9.78N**	**123.14E**	**13**	**3.8b,2.6L**		
								¶604683902
ISC	**VII**	**08 15 20 28.5–1.1**	**9.31N–.05**	**123.15E–.04**	**9–7**	**3.6b**	**24**	**0-61**
ISCJB	VII	08 15 20 26.1–1.3	9.21N–.04	123.07E–.04	5–8	3.6b		**¶601664291**
IDC	VII	08 15 20 26.6–2.0	9.13N	123.12E	0	3.7,3.6b		
MAN	VII	08 15 20 29.1	9.28N	123.12E	25	4.7b,3.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=7.1km az=28.9.							
IDC	Error ellipse: s-maj=241.8km s-min=20.2km az=64.0.							
MAN	**VII**	**11 23 03 51.6**	**9.90N**	**123.19E**	**16**	**4.3b,3.1L**		
								¶604683951
IDC	**VII**	**13 00 55 39.2–2.6**	**9.05N**	**123.02E**	**0**	**3.9,3.7b**		
								¶601664510
IDC	Error ellipse: s-maj=338.1km s-min=21.8km az=64.0.							
MAN	**VII**	**17 19 49 33.8**	**9.94N**	**123.19E**	**3**	**4.2b,3.0L**		
								¶604683972
MAN	**VII**	**17 19 59 19.1**	**9.92N**	**123.18E**	**1**	**4.0b,2.8L**		
								¶604683973
MAN	**VII**	**23 07 10 43.1**	**9.63N**	**122.04E**	**16**	**4.3b,3.1L**		
								¶604683996
MAN	**VII**	**24 04 24 33.6**	**9.49N**	**122.29E**	**35**	**4.3b,3.2L**		
								¶604684005
MAN	**VII**	**24 19 21 22.7**	**9.98N**	**122.25E**	**28**	**4.4b,3.3L**		
								¶604684010
MAN	**VII**	**25 11 19 25.3**	**9.92N**	**123.14E**	**1**	**4.4b,3.2L**		
								¶604684015
MAN	**VII**	**26 03 33 30.5**	**9.78N**	**123.53E**	**3**	**4.1b,2.9L**		
								¶604684019
MAN	**VII**	**26 05 42 10.0**	**9.97N**	**122.12E**	**37**	**4.2b,3.0L**		
								¶604684021
MAN	**VII**	**26 05 45 14.0**	**9.99N**	**122.15E**	**35**	**4.4b,3.3L**		
								¶604684022
MAN	**VIII**	**07 22 16 36.2**	**9.20N**	**123.58E**	**16**	**4.3b,3.1L**		
								¶604684104
MAN	**VIII**	**13 11 06 38.8**	**9.62N**	**122.92E**	**37**	**4.1b,2.9L**		
								¶604684136
MAN	**VIII**	**13 18 12 42.7**	**9.92N**	**123.07E**	**32**	**4.1b,2.9L**		
								¶604684137
MAN	**VIII**	**16 20 56 03.5**	**9.19N**	**123.27E**	**7**	**3.6b,2.3L**		
								¶604684152
MAN	**VIII**	**30 18 59 34.6**	**9.84N**	**122.87E**	**1**	**4.5b,3.4L**		
								¶604684206
MAN	**IX**	**06 16 31 08.7**	**9.88N**	**122.26E**	**44**	**3.8b,2.6L**		
								¶604684305
MAN	**IX**	**10 09 33 32.6**	**9.27N**	**123.36E**	**1**	**3.7b,2.4L**		
								¶604684338
MAN	**IX**	**10 09 34 59.9**	**9.29N**	**123.21E**	**9**	**4.5b,3.3L**		
								¶604684339
ISC	**IX**	**13 22 39 45.5–1.2**	**9.93N–.04**	**123.22E–.04**	**20–5**	**4.4b**	**22**	**1-92**
MAN	IX	13 22 39 44.5	9.95N	123.16E	1	4.9b,3.8L		**¶601735797**
NEIC	IX	13 22 39 47.5–.62	9.95N	123.24E	35	4.3b,3.8L		
ISC	Event type fe.							
NEIC	Event type fe. Error ellipse: s-maj=17.3km s-min=12.1km az=72.0. Felt [III PIVS] at Tayasan and [II PIVS] at La Libertad, Negros.							
MAN	**IX**	**19 16 10 29.8**	**9.70N**	**122.40E**	**1**	**3.9b,2.6L**		
								¶604684427
MAN	**IX**	**19 22 58 24.7**	**9.76N**	**123.92E**	**79**	**3.8b,2.6L**		
								¶604684429
MAN	**X**	**02 12 50 12.3**	**9.33N**	**122.48E**	**16**	**4.0b,2.8L**		
								¶604684506
ISC	**X**	**03 12 06 03.0–.97**	**9.02N–.06**	**122.03E–.08**	**29**	**3.7b**	**13**	**1-51**
IDC	X	03 12 05 58.0–2.2	9.50N	123.23E	0	3.8,3.6b		**¶601996936**
ISCJB	X	03 12 06 00.9–.74	9.01N–.05	122.00E–.09	29	3.6b,3.6b		
MAN	X	03 12 06 00.8	9.07N	122.01E	15	4.6b,3.5L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=224.7km s-min=24.3km az=63.0.							
ISCJB	Event type ke. Error ellipse: s-maj=12.3km s-min=6.9km az=170.8.							
MAN	**X**	**10 12 03 28.4**	**9.82N**	**122.13E**	**6**	**3.9b,2.7L**		
								¶604684584
MAN	**X**	**19 15 10 15.9**	**9.84N**	**122.41E**	**41**	**4.3b,3.1L**		
								¶604684626
MAN	**XI**	**04 16 00 51.4**	**9.49N**	**122.08E**	**35**	**3.9b,2.7L**		
								¶604684706
ISC	**XI**	**11 00 25 42.5–1.5**	**9.67N–.03**	**122.17E–.04**	**11–9**	**4.0b,3.1s**	**61**	**1-147**
IDC	XI	11 00 25 40.6–.49	9.56N	122.29E	0	4.1,4.0		**¶601991677**
ISCJB	XI	11 00 25 42.9–.99	9.66N–.04	122.18E–.03	23–7	4.0b,3.1s		
MAN	XI	11 00 25 43.4	9.72N	122.16E	23	4.9b,3.8L		
NEIC	XI	11 00 25 45.8–.34	9.55N	122.30E	35	4.1b,3.8L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=23.4km s-min=11.4km az=68.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.4km s-min=4.7km az=36.5.							
NEIC	Event type fe. Error ellipse: s-maj=13.2km s-min=8.0km az=65.0. Felt [III PIVS] at Jinoba-an and Sipalay.							
ISC	**XI**	**13 18 52 18.6–.68**	**9.49N–.03**	**122.60E–.03**	**74–7**	**4.7b**	**190**	**1-117**
KLM	XI	13 18 51 57.0	10.35N	123.59E	20	4.7b		**¶601891445**
MAN	XI	13 18 52 17.2	9.51N	122.57E	60	5.0b,4.0s		
ISCJB	XI	13 18 52 18.1–.24	9.49N–.02	122.65E–.02	86–2	4.5b,4.0s		
NEIC	XI	13 18 52 20.9–.52	9.44N	122.69E	101–5	4.7b,4.0s		
IDC	XI	13 18 52 21.6–2.4	9.45N	122.73E	107–22	4.3,4.0		
DJA	XI	13 18 52 21.5–.80	9N–5.0	123E–6.0	59–10	5.0b,4.6b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [IV PIVS] at Jinoba-an and [III PIVS] at Bayawan and Sipalay. Also felt at Tanjay.							
ISC	**XI**	**14 04 26 18.7–1.8**	**9.96N–.04**	**122.20E–.04**	**6–13**	**3.8b**	**25**	**1-35**
IDC	XI	14 04 26 10.7–7.5	11.16N	123.81E	0	4.0,3.7b		**¶604684751**
ISCJB	XI	14 04 26 20.2–1.0	9.97N–.04	122.19E–.03	18–10	3.6b,2.8s		
MAN	XI	14 04 26 21.7	9.95N	122.16E	54	4.8b,3.7L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=268.4km s-min=28.0km az=45.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=31.5.							
ISC	**XI**	**14 05 21 43.1–.38**	**9.99N–.02**	**122.32E–.02**	**45–3**	**5.5b,5.3s**	**1065**	**1-173**
MAN	XI	14 05 21 40.0	10.03N	122.20E	21	6.2b,5.8s		**¶601891465**
MOS	XI	14 05 21 40.5–1.0	10.06N	122.43E	33	5.7b,5.2s		
BJI	XI	14 05 21 40.7	9.88N	122.46E	50	5.4s,5.3		
IDC	XI	14 05 21 41.1–1.7	10.00N	122.48E	28–11	5.2,5.2s		
ISCJB	XI	14 05 21 42.2–.23	10.03N–.01	122.38E–.02	49–2	5.4b,5.3s		
NEIC	XI	14 05 21 42.5–.33	9.98N	122.47E	41–3	5.7W,5.6W		
GCMT	XI	14 05 21 43.5–.10	10.11N–.01	122.23E–.01	37–0	5.7W,5.6W		
NEIC	XI	14 05 21 43.0–.00	9.99N	122.43E	30	5.7W,5.6W		
KLM	XI	14 05 21 44.0	10.16N	122.45E	52	5.7b,5.6W		
DJA	XI	14 05 21 46.1–.30	10N–2.0	122E–2.0	48–4	6.0,5.9b		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [V PIVS] at Binalbagan, Cawayan, Hinigaran, Ilog, Jinoba-an and Kabankalan; [IV PIVS] at Bacolod, Bago, Bayawan, Dumaguete, Pamplona, Pontevedra, Santa Catalina and Tayasan; [II PIVS] at Canlaon and Murcia. Also felt [V PIVS] at Iloilo; [IV PIVS] at Anini-y, Alimodian and Sigma; [III PIVS] at Barbaza, Bugasong, Culasi, Dao, Kalibo, Leso, Pandan, Patnongon, Roxas City, San Jose, San Remigio, Sebaste, Sibalom, Tibiao and Valderrama, Panay. Felt [IV PIVS] at Nueva Valencia, Guimaras Island; [III PIVS] at Masbate, Masbate; [II PIVS] at Dipolog, Mindanao. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}1.78 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-2.49 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.90 Best double couple: NP1:ϕ_s194.00000°,δ67.00000°,λ101.00000°. NP2:ϕ_s347.00000°,δ26.00000°,λ66.00000°. Principal axes: T 2.6000,Plg66.0000°,Azm124.0000° ; N 0.6400,Plg10.0000°,Azm9.0000°; P -3.2400,Plg21.0000°,Azm275.0000° M_o3.00000×10^{17}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c222; s122,c288; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42±.04 $M_{\theta\theta}$0.31±.03; $M_{\phi\phi}$-2.72±.03; $M_{r\theta}$-0.48±.04; $M_{\theta\phi}$-0.18±.02; $M_{\phi r}$-3.39±.07; Best double couple: NP1:ϕ_s187.00000° ,δ72.00000°,λ93.00000°. NP2:ϕ_s359.00000°,δ19.00000°,λ82.00000°. Principal axes: T 4.1360,Plg63.0000°,Azm102.0000°; N 0.3060,Plg3.0000°,Azm6.0000° ; P -4.4340,Plg27.0000°,Azm275.0000° M_o4.28500×10^{17}							
NEIC	Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}2.48 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-2.38 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.10 $M_{\phi r}$-4.29 Best double couple: NP1:ϕ_s195.00000° ,δ76.00000°,λ98.00000°. NP2:ϕ_s345.00000°,δ16.00000°,λ60.00000°. Principal axes: T 5.2900,Plg57.0000°,Azm115.0000°; N -0.3200,Plg7.0000°,Azm13.0000° ; P -4.9700,Plg30.0000°,Azm278.0000° M_o5.10000×10^{17}							
MAN	**XI**	**15 21 15 25.3**	**9.71N**	**122.29E**	**25**	**4.3b,3.1L**		
								¶604684764
MAN	**XI**	**18 00 41 00.5**	**9.93N**	**123.83E**	**3**	**4.1b,2.9L**		
								¶604684766
MAN	**XI**	**19 05 08 56.0**	**9.70N**	**123.07E**	**24**	**4.1b,2.9L**		
								¶604684769
MAN	**XI**	**22 14 14 34.6**	**9.68N**	**122.28E**	**34**	**4.1b,2.9L**		
								¶604686031
MAN	**XI**	**24 22 44 28.9**	**9.99N**	**123.22E**	**1**	**4.3b,3.2L**		
								¶604686040
MAN	**XII**	**02 19 17 24.9**	**9.88N**	**123.01E**	**62**	**3.8b,2.6L**		
								¶604686230
MAN	**XII**	**02 20 16 38.4**	**9.70N**	**123.01E**	**32**	**4.5b,3.4L**		
								¶604686232
MAN	**XII**	**06 20 02 59.5**	**9.34N**	**122.14E**	**31**	**4.5b,3.4L**		
								¶604686241
MAN	**XII**	**07 22 12 27.6**	**9.69N**	**122.69E**	**13**	**4.5b,3.4L**		
								¶604686246
MAN	**XII**	**17 14 33 58.0**	**9.79N**	**122.49E**	**7**	**4.4b,3.2L**		
								¶604699956
MAN	**XII**	**18 11 57 07.7**	**9.64N**	**122.44E**	**61**	**4.2b,3.0L**		
								¶604700014
MAN	**XII**	**31 09 59 59.7**	**9.87N**	**122.11E**	**16**	**4.4b,3.2L**		
								¶604700557

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MAN	**VII**	**01 04 33 43.6**	**7.18N**	**125.23E**	**17**	**4.1b,2.9L**		
								¶604683884
IDC	**VII**	**01 07 40 21.4–1.7**	**8.02N**	**123.25E**	**0**	**4.0,3.8**		
								¶601663349
IDC	Error ellipse: s-maj=140.4km s-min=27.0km az=69.0.							
ISC	**VII**	**01 07 49 54.6–.61**	**5.65N–.04**	**125.67E–.06**	**157–5**	**4.6b**	**178**	**1-152**
BJI	VII	01 07 49 50.1	5.41N	125.87E	145	4.8b,4.7b		**¶601218176**

IDC VII 01 07 49 54.0–.62 5.69N 125.48E 152–5 4.6,4.2
MAN VII 01 07 49 53.4 5.58N 125.72E 153 5.5b,4.8s
NEIC VII 01 07 49 53.9–.62 5.66N 125.54E 151–6 4.7b,4.8s
ISCJB VII 01 07 49 53.3–.28 5.67N–.02 125.69E–.04 158–3 4.6b,4.8s
DJA VII 01 07 49 54.5–.40 6N–4.0 126E–5.0 149–4 5.2b,5.1
ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at General Santos.
ISCJB Event type fe.
MAN VII 01 08 22 13.3 8.20N 122.96E 28 4.0b,2.8L
¶604683886
ISC VII 01 22 45 54.8–1.2 6.29N–.08 126.8E–.10 102–10 4.0b 24 1-122
ISCJB VII 01 22 45 54.1–.91 6.38N–.07 126.8E–.10 113–8 3.9b **¶601663382**
IDC VII 01 22 45 54.9–2.6 6.42N 126.92E 106–21 4.1,3.8
MAN VII 01 22 45 54.0 6.44N 126.97E 81 5.0b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=11.0km az=166.8.
IDC Error ellipse: s-maj=44.0km s-min=11.7km az=71.0.
MAN VII 02 06 01 11.5 7.77N 124.75E 64 3.5b,2.2L
¶604683890
ISC VII 05 08 14 19.2–.35 5.13N–.03 126.64E–.04 60–2 5.2b,4.1s 1172 2-172
MAN VII 05 08 14 14.4 4.64N 126.56E 71 5.9b,5.3s **¶601242115**
BJI VII 05 08 14 14.3 4.69N 126.64E 64 5.1b,5.0b
MOS VII 05 08 14 14.7–.93 5.15N 126.49E 34 5.5b,4.1s
IDC VII 05 08 14 16.9–1.3 5.16N 126.53E 39–10 5.5L,5.1
ISCJB VII 05 08 14 18.6–.32 5.09N–.01 126.58E–.02 72–3 5.1b,5.1
DJA VII 05 08 14 18.9–.30 5N–2.0 127E–2.0 80–4 5.7,5.7b
NEIC VII 05 08 14 19.3–.45 5.13N 126.55E 62–4 5.3b,5.7b
GCMT VII 05 08 14 19.3–.20 5.10N 126.71E 36–1 5.2W,5.7b
KLM VII 05 08 14 26.0 5.40N 126.62E 105 5.4b,5.7b
ISC Event type fe.
MOS Error ellipse: s-maj=8.2km s-min=4.2km az=114.0.
IDC Error ellipse: s-maj=10.7km s-min=7.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=159.3.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=78.0. Felt [I PIVS] at General Santos.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s64,c84; s96,c139; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.22 $M_{\theta\theta}$0.14±.15; $M_{\phi\phi}$-2.40±.17; $M_{r\theta}$-2.15±.19; $M_{\theta\phi}$-2.94±.11; $M_{\phi r}$6.31±.34; Best double couple: NP1:ϕ_s351.00000°,δ81.00000°,λ64.00000°. NP2:ϕ_s244.00000°,δ27.00000°,λ161.00000°. Principal axes: T 8.1550,Plg47.0000°,Azm234.0000°; N -1.1350,Plg26.0000°,Azm355.0000°; P -7.0190,Plg32.0000°,Azm103.0000° M_o7.58700×10^{16}
MAN VII 05 08 39 39.0 7.61N 126.84E 30 4.6b,3.5L
¶604683903
MAN VII 05 15 00 42.2 9.85N 125.61E 90 4.1b,2.9L
¶604683906
MAN VII 06 17 29 43.8 5.33N 126.17E 112 4.7b,3.6L
¶604683912
ISC VII 07 13 38 17.6–.51 9.80N–.03 125.92E–.04 46–4 4.7b,3.7s 253 0-165
MAN VII 07 13 38 13.6 9.85N 125.90E 1 5.6b,4.9s **¶601243992**
BJI VII 07 13 38 15.6 9.61N 126.34E 67 4.9b,4.9b
DJA VII 07 13 38 17.5–1.1 10N–6.0 126E–6.0 39–9 5.8,5.2b
ISCJB VII 07 13 38 17.0–.45 9.83N–.02 125.96E–.04 58–4 4.7b,3.7s
IDC VII 07 13 38 18.4–1.4 9.81N 125.71E 54–12 4.7,4.5
NEIC VII 07 13 38 19.1–.94 9.78N 125.82E 66–9 4.9b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.0km az=166.1.
IDC Error ellipse: s-maj=15.0km s-min=7.7km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.8km az=82.0. Felt [IV PIVS] at Dapa and Del Carmen; [III PIVS] at Cantilan; [II PIVS] at Mainit and Surigao. Felt [II PIVS] at Loreto, Dinagat Island.
MAN VII 07 19 09 51.3 9.72N 125.93E 11 4.6b,3.5L
¶604683917
ISC VII 08 01 04 16.2–.66 7.05N–.06 121.46E–.06 35 3.9b,3.2s 39 1-93
IDC VII 08 01 04 11.8–.69 7.03N 121.52E 0 4.3L,4.0 **¶601405496**
MAN VII 08 01 04 12.0 7.09N 121.34E 48 4.7b,3.6L
ISCJB VII 08 01 04 14.4–.44 7.07N–.04 121.55E–.03 33 3.8b,3.2s
NEIC VII 08 01 04 16.1–5.5 7.04N 121.56E 29–42 4.0b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=13.3km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.9km az=14.7.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=7.1km az=73.0. Felt [III PIVS] at Zamboanga City.
ISC VII 08 04 15 19.8–.87 9.80N–.03 125.79E–.06 43–8 4.6b 112 0-162
MAN VII 08 04 15 17.8 9.79N 125.89E 7 5.1b,4.1s **¶605673251**
ISCJB VII 08 04 15 19.9–.55 9.75N–.03 125.92E–.06 64–5 4.5b,4.1s
IDC VII 08 04 15 20.2–2.5 9.78N 125.72E 51–23 4.6L,4.5
NEIC VII 08 04 15 21.2–1.2 9.74N 125.73E 60–11 4.6b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.2km az=168.5.
IDC Error ellipse: s-maj=19.1km s-min=9.8km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.1km az=77.0. Felt [III PIVS] at Dapa and General Luna; [II PIVS] at Del Carmen and San Benito. Felt [I PIVS] at Loreto, Dinagat Island.
MAN VII 08 04 21 31.4 9.70N 125.88E 11 4.2b,3.0L
¶604683921
ISC VII 08 05 53 52.8–1.3 9.88N–.03 126.05E–.05 9–8 4.1b 54 1-92
IDC VII 08 05 53 49.9–.61 9.78N 125.77E 0 4.0,3.9 **¶601263741**
ISCJB VII 08 05 53 50.8–1.2 9.84N–.03 126.16E–.04 8–7 4.2b,2.6s
MAN VII 08 05 53 55.2 9.78N 125.88E 5 4.7b,3.6L
NEIC VII 08 05 53 56.0–1.7 9.86N 126.11E 40–17 4.5b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=42.0km s-min=12.4km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=174.4.
NEIC Event type fe. Error ellipse: s-maj=24.1km s-min=8.2km az=78.0. Felt [II PIVS] at Dapa, General Luna and San Benito and [I PIVS] at Del Carmen.
ISC VII 08 06 08 22.6–.43 9.80N–.03 125.85E–.05 10 4.2b 52 0-98
ISCJB VII 08 06 08 19.7–.34 9.69N–.04 125.78E–.08 10 4.2b **¶601263742**
IDC VII 08 06 08 19.6–.62 9.71N 125.70E 0 4.2L,4.1
BJI VII 08 06 08 22.4 9.70N 125.70E 36 5.0b,4.7b
MAN VII 08 06 08 25.2 9.77N 125.83E 8 4.7b,3.6L
NEIC VII 08 06 08 25.7–.81 9.67N 125.68E 43–8 4.6b,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=5.7km az=165.1.
IDC Error ellipse: s-maj=35.8km s-min=12.3km az=81.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.7km az=82.0. Felt [II PIVS] at Dapa, General Luna and San Benito.
MAN VII 08 06 28 50.0 9.70N 125.69E 25 3.6b,2.3L
¶604683922
ISC VII 08 09 41 15.3–1.9 9.73N–.04 126.00E–.07 11–12 3.5b 25 1-86
IDC VII 08 09 41 13.1–.87 9.69N 125.89E 0 3.8,3.7b **¶601664284**
MAN VII 08 09 41 17.9 9.76N 125.97E 1 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=72.2km s-min=17.2km az=72.0.
ISC VII 08 21 50 49.8–1.7 5.3N–.10 125.36E–.09 54–18 3.5b 18 1-60
MAN VII 08 21 50 48.1 5.36N 125.48E 33 4.5b,3.4L **¶601664311**
IDC VII 08 21 50 50.0–3.2 5.36N 124.92E 59–33 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=44.0km s-min=14.0km az=84.0.
MAN VII 08 23 08 48.6 9.65N 125.55E 19 4.0b,2.8L
¶604683929
MAN VII 09 11 34 21.9 8.00N 125.93E 15 4.7b,3.5L
¶604683933
MAN VII 09 19 28 08.4 9.86N 124.62E 31 4.3b,3.1L
¶604683936
MAN VII 09 23 25 25.7 9.29N 125.64E 20 4.2b,3.1L
¶604683937
MAN VII 10 14 28 49.3 6.12N 125.55E 40 4.7b,3.5L
¶604683938
MAN VII 10 15 02 54.3 8.53N 126.21E 97 4.7b,3.6L
¶604683942

ISC VII 10 15 58 10.8–1.4 9.65N–.03 126.47E–.05 1–10 3.5b 40 1-87
IDC VII 10 15 58 11.1–.91 9.51N 125.93E 0 4.2L,3.8 **¶601664389**
MAN VII 10 15 58 17.5 9.58N 126.30E 22 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=50.8km s-min=17.9km az=78.0.
MAN VII 10 17 16 38.6 9.58N 126.30E 17 4.4b,3.2L
¶604683944
MAN VII 10 17 54 37.5 6.97N 123.70E 22 4.4b,3.3L
¶604683946
MAN VII 11 16 17 23.2 6.22N 125.78E 174 4.9b,3.8L
¶604683948
MAN VII 11 19 12 14.8 9.67N 125.69E 22 3.6b,2.4L
¶604683950
IDC VII 12 17 50 03.1–1.7 8.98N 126.73E 0 4.0,3.9
¶601664494
IDC Error ellipse: s-maj=79.5km s-min=33.7km az=62.0.
ISC VII 12 19 21 56.1–.92 5.92N–.04 126.32E–.06 54–8 4.3b,3.7s 81 1-142
MAN VII 12 19 21 51.8 5.86N 126.43E 13 5.5b,4.7s **¶601271926**
DJA VII 12 19 21 53.0–1.8 6N–16 127E–7.0 120–31 4.8b,4.3
BJI VII 12 19 21 53.0 6.10N 126.70E 42 4.8b,4.5b
IDC VII 12 19 21 55.1–1.4 6.03N 126.32E 44–12 4.3,4.1
NEIC VII 12 19 21 56.7–1.4 6.00N 126.33E 62–12 4.5b,4.1
ISCJB VII 12 19 21 56.3–.49 5.97N–.03 126.29E–.06 70–4 4.2b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 12 19 28 30.6–1.5 5.93N–.04 126.26E–.05 11–9 3.8b 38 1-90
ISCJB VII 12 19 28 28.9–1.8 5.76N–.04 126.37E–.05 11–12 3.7b **¶601664498**
MAN VII 12 19 28 31.2 5.97N 126.24E 1 5.1b,4.1s
IDC VII 12 19 28 34.3–2.3 5.72N 125.69E 44–23 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.5km az=154.3.
IDC Error ellipse: s-maj=50.7km s-min=12.7km az=72.0.
ISC VII 13 07 07 16.7–2.1 5.96N–.08 126.39E–.08 27–15 4.1b 47 1-147
IDC VII 13 07 07 12.6–.78 6.05N 126.73E 0 4.0,3.8b **¶601465746**
MAN VII 13 07 07 15.6 5.78N 126.04E 144 4.9b,3.9L
ISCJB VII 13 07 07 16.8–1.1 5.88N–.04 126.37E–.08 40–10 4.3b,3.2s
NEIC VII 13 07 07 18.0–1.5 5.94N 126.46E 35–14 4.5b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=11.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.3km az=173.1.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=5.7km az=75.0.
MAN VII 13 08 58 25.8 5.89N 126.43E 22 5.0b,4.0L
¶604683955
MAN VII 13 15 45 59.8 8.01N 126.53E 32 4.4b,3.2L
¶604683957
MAN VII 14 09 42 41.1 9.59N 125.78E 21 3.8b,2.5L
¶604683960
ISC VII 14 12 12 08.4–1.6 9.94N–.03 126.50E–.06 11–10 4.0b 37 1-92
IDC VII 14 12 12 06.6–1.3 9.86N 126.31E 0 4.1,4.0b **¶601664565**
MAN VII 14 12 12 09.3 9.84N 126.48E 7 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=119.6km s-min=16.5km az=71.0.
MAN VII 14 17 49 39.2 6.22N 126.66E 54 4.8b,3.7L
¶604683963
ISC VII 14 20 56 55.3–2.2 5.91N–.07 126.36E–.08 9–13 3.4b 16 1-60
MAN VII 14 20 56 49.0 5.58N 126.77E 71 4.9b,3.8L **¶601664584**
IDC VII 14 20 56 54.2–1.5 6.15N 126.64E 0 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=69.6km s-min=15.6km az=61.0.
ISC VII 16 01 57 04.6–1.6 8.35N–.03 125.91E–.04 1–10 3.8b,3.5s 33 0-88
MAN VII 16 01 57 03.7 8.37N 125.87E 1 5.0b,4.0s **¶601664654**
IDC VII 16 01 57 03.7–.83 8.41N 126.17E 0 4.0,3.9b
ISCJB VII 16 01 57 04.9–1.1 8.39N–.04 125.96E–.05 16–8 3.8b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 11 26 42.4–.61 9.85N–.03 125.70E–.05 96–5 3.9b 55 0-120
ISCJB VII 16 11 26 42.4–.39 9.83N–.03 125.71E–.05 114–3 3.8b **¶601664670**
MAN VII 16 11 26 44.5 9.80N 125.73E 25 4.8b,3.7L
IDC VII 16 11 26 45.8–1.6 9.73N 125.61E 132–16 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.4km az=163.8.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=68.0.
MAN VII 19 10 45 45.3 6.59N 125.89E 151 4.5b,3.4L
¶604683980
ISC VII 19 11 46 36.5–1.1 5.82N–.05 126.85E–.09 82–10 4.2b 55 1-122
IDC VII 19 11 46 26.1–.69 6.10N 127.46E 0 4.6L,4.3 **¶601468495**
MAN VII 19 11 46 32.2 5.62N 126.67E 114 5.1b,4.2s
NEIC VII 19 11 46 33.8–1.3 5.98N 127.18E 55–11 4.2b,4.2s
ISCJB VII 19 11 46 34.8–.75 5.81N–.04 126.87E–.09 78–6 4.0b,4.2s
DJA VII 19 11 46 35.9–.60 6N–3.0 126E–4.0 10 4.7b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MAN VII 21 10 27 46.0 9.61N 125.71E 12 4.7b,3.6L
¶604683989
MAN VII 21 13 51 16.4 8.02N 126.24E 47 4.5b,3.3L
¶604683990
IDC VII 22 03 46 18.3–2.3 5.05N 123.29E 0 4.1,3.8
¶601664944
IDC Error ellipse: s-maj=296.2km s-min=25.0km az=63.0.
MAN VII 22 05 34 13.8 6.23N 125.78E 109 4.5b,3.4L
¶604683992
MAN VII 23 06 07 32.0 5.85N 125.79E 52 4.6b,3.5L
¶604683995
MAN VII 23 07 54 12.6 6.75N 126.22E 36 4.5b,3.4L
¶604683997
MAN VII 23 14 07 17.3 8.41N 125.69E 1 4.7b,3.6L
¶604683999
MAN VII 23 14 41 16.3 8.40N 125.93E 27 4.8b,3.7L
¶604684000
ISC VII 24 03 02 58.6–.58 7.57N–.03 126.74E–.05 70–5 4.6b 214 1-163
MAN VII 24 03 02 57.1 7.58N 126.58E 14 5.5b,4.7s **¶601462448**
ISCJB VII 24 03 02 57.5–.46 7.60N–.02 126.68E–.04 75–4 4.5b,4.7s
BJI VII 24 03 02 58.7 7.70N 126.70E 69 5.0b,4.7b
NEIC VII 24 03 02 59.9–.89 7.59N 126.57E 84–8 4.7b,4.7b
DJA VII 24 03 03 00.6–.50 8N–4.0 127E–5.0 10 5.3,5.3b
IDC VII 24 03 03 00.4–1.0 7.63N 126.61E 89–9 4.6,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=172.5.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.2km az=86.0. Felt [III PIVS] at Compostela and Mati.
IDC Error ellipse: s-maj=14.8km s-min=10.7km az=89.0.
ISC VII 25 01 44 49.5–1.7 5.62N–.08 126.7E–.10 62–14 4.3b 48 1-122
IDC VII 25 01 44 49.3–6.4 5.94N 127.16E 59–52 4.5s,4.5 **¶601643212**
NEIC VII 25 01 44 49.5–1.7 5.90N 127.12E 64–16 4.5b,4.5
MAN VII 25 01 44 49.0 5.58N 126.64E 25 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=98.0km s-min=14.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=7.2km az=70.0.
MAN VII 25 01 55 56.5 6.01N 125.72E 128 4.4b,3.2L
¶604684013
ISC VII 25 13 27 53.1–.58 5.50N–.03 126.48E–.05 140–5 4.7b 351 1-162
KLM VII 25 13 27 49.0 5.66N 126.31E 100 4.9b **¶601473945**
BJI VII 25 13 27 49.1 5.27N 126.51E 139 5.2b,4.8b
ISCJB VII 25 13 27 52.4–.27 5.56N–.02 126.47E–.03 147–2 4.6b,4.8b
MAN VII 25 13 27 52.9 5.56N 126.44E 131 5.4b,4.6s
MOS VII 25 13 27 52.9–.93 5.53N 126.43E 155 4.6b,4.6s
NEIC VII 25 13 27 53.5–.46 5.53N 126.45E 146–4 4.8b,4.6s
IDC VII 25 13 27 53.1–1.1 5.54N 126.41E 139–9 4.7,4.3
DJA VII 25 13 27 54.4–.30 5N–3.0 126E–2.0 133–3 6.8,5.5

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Davao.
MAN VII 26 13 20 28.1 5.35N 126.47E 27 4.9b,3.8L ¶604684026
MAN VII 26 22 04 12.4 7.13N 126.93E 112 4.5b,3.4L ¶604684029
MAN VII 27 06 30 00.6 7.73N 126.54E 7 4.7b,3.6L ¶604684032
MAN VII 27 08 30 15.3 9.52N 126.17E 56 4.7b,3.6L ¶604684033
MAN VII 27 18 41 25.0 8.79N 122.69E 2 4.6b,3.5L ¶604684037
MAN VII 27 19 49 54.2 9.42N 125.71E 33 4.3b,3.1L ¶604684038
MAN VII 28 06 44 31.7 8.46N 126.58E 27 5.0b,3.9L ¶604684039
ISC VII 29 03 04 40.1–.55 7.93N–.03 126.71E–.04 67–4 4.9b 560 0-171
BJI VII 29 03 04 34.0 7.32N 127.04E 83 5.0b,4.9b ¶601484812
MAN VII 29 03 04 38.7 7.86N 126.47E 8 5.6b,5.0s
DJA VII 29 03 04 39.9–1.6 8N–4.0 127E–3.0 30–13 5.5,5.4b
ISCJB VII 29 03 04 40.1–.39 7.95N–.02 126.67E–.03 82–3 4.8b,5.4b
IDC VII 29 03 04 40.9–.88 7.94N 126.47E 73–7 5.0,4.7
NEIC VII 29 03 04 42.9–.66 7.94N 126.57E 91–6 4.8b,4.7
MOS VII 29 03 04 43.3–.99 8.28N 126.34E 93 5.0b,4.7
KLM VII 29 03 04 45.0 7.97N 126.69E 94 4.9b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=166.0.
IDC Error ellipse: s-maj=10.8km s-min=7.0km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=84.0. Felt [IV PIVS] at Hinatuan and [III PIVS] at Bislig. Also felt at Manat.
MOS Error ellipse: s-maj=9.1km s-min=5.1km az=111.1.
ISC VII 29 03 27 49.8–.60 6.17N–.04 125.77E–.05 121–5 4.4b 169 0-152
ISCJB VII 29 03 27 48.2–.27 6.15N–.02 125.82E–.04 119–2 4.4b ¶601484813
IDC VII 29 03 27 48.2–.74 6.07N 125.48E 112–5 4.4,4.1
DJA VII 29 03 27 49.0–.50 6N–5.0 126E–4.0 105–4 5.3b,5.2
NEIC VII 29 03 27 50.0–.74 6.18N 125.70E 123–7 4.6b,5.2
KLM VII 29 03 27 50.0 6.32N 126.01E 107 4.6b,5.2
MAN VII 29 03 27 55.3 6.55N 125.71E 27 5.2b,4.3s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=1.4.
IDC Error ellipse: s-maj=17.2km s-min=8.3km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.6km az=79.0. Felt [I PIVS] at General Santos.
MAN VII 30 02 03 56.9 7.32N 123.38E 31 4.5b,3.4L ¶604684047
MAN VII 30 16 56 47.8 5.26N 126.50E 1 5.0b,4.0L ¶604684050
MAN VII 30 18 09 42.5 6.97N 126.00E 22 4.7b,3.6L ¶604684051
MAN VII 30 20 47 34.7 6.48N 125.49E 0 4.3b,3.1L ¶604684052
MAN VII 31 00 38 42.3 9.84N 126.22E 24 4.7b,3.6L ¶604684053
MAN VII 31 04 30 00.6 6.11N 125.72E 74 4.0b,2.8L ¶604684054
MAN VII 31 11 18 34.2 8.48N 126.88E 6 3.6b,2.3L ¶604684055
MAN VII 31 11 30 03.8 8.58N 126.82E 5 4.4b,3.2L ¶604684056
MAN VII 31 18 58 09.6 8.41N 123.38E 32 3.8b,2.6L ¶604684058
ISC VIII 01 02 33 00.9–1.7 8.35N–.03 123.04E–.04 15–11 4.0b,3.0s 45 0-118
MAN VIII 01 02 33 03.6 8.34N 123.12E 21 4.7b,3.6L ¶601511867
IDC VIII 01 02 33 11.7–5.9 8.55N 123.68E 112–53 4.0,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=15.9km az=67.0.
MAN VIII 01 11 20 27.9 9.97N 126.14E 17 4.3b,3.1L ¶604684062
MAN VIII 01 11 33 30.4 9.37N 125.83E 2 4.3b,3.1L ¶604684063
ISC VIII 01 16 52 02.4–.86 7.13N–.04 126.80E–.06 67–7 4.4b 120 1-143
DJA VIII 01 16 51 29.4–7.0 10N–56 127E–21 10 5.3,5.2 ¶601503281
MAN VIII 01 16 51 58.6 7.13N 126.89E 7 5.2b,4.4s
ISCJB VIII 01 16 52 02.7–.53 7.23N–.03 126.70E–.05 86–4 4.3b,4.4s
NEIC VIII 01 16 52 03.2–.91 7.24N 126.64E 75–8 4.6b,4.4s
IDC VIII 01 16 52 03.0–1.4 7.31N 126.87E 71–12 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.6km az=178.1.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=78.0.
IDC Error ellipse: s-maj=15.0km s-min=9.3km az=74.0.
MAN VIII 01 17 51 41.0 5.67N 125.88E 117 4.6b,3.5L ¶604684065
MAN VIII 01 18 15 35.1 7.18N 123.30E 0 4.8b,3.7L ¶604684066
IDC VIII 01 23 33 08.3–2.4 7.35N 125.51E 0 3.7,3.5 ¶601765328
IDC Error ellipse: s-maj=228.6km s-min=23.3km az=65.0.
MAN VIII 02 19 58 53.7 8.20N 125.81E 183 4.5b,3.4L ¶604684072
MAN VIII 02 23 06 57.5 10.00N 126.30E 3 4.5b,3.4L ¶604684073
MAN VIII 03 03 40 50.5 7.32N 124.43E 35 4.2b,3.1L ¶604684075
ISC VIII 03 04 03 02.4–1.5 10.00N–.04 126.1E–.10 55–14 3.6b 23 1-56
IDC VIII 03 04 02 55.3–1.6 9.79N 125.56E 0 3.7,3.6 ¶601765379
ISCJB VIII 03 04 03 00.6–1.1 9.99N–.05 126.21E–.10 61–11 3.6b,3.6
MAN VIII 03 04 03 01.1 10.05N 126.15E 22 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=168.3km s-min=20.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=7.8km az=167.7.
MAN VIII 03 20 19 55.3 6.91N 123.80E 23 4.7b,3.6L ¶604684079
MAN VIII 03 21 36 34.9 9.26N 125.50E 3 4.7b,3.6L ¶604684080
ISC VIII 03 22 10 15.2–1.1 6.93N–.03 123.78E–.03 16–7 4.4b,3.2s 97 1-144
MAN VIII 03 22 10 14.5 6.91N 123.76E 4 5.1b,4.1s ¶601518051
DJA VIII 03 22 10 17.7–2.6 7N–6.0 124E–4.0 18–21 5.4b,4.9
NEIC VIII 03 22 10 19.0–1.0 6.85N 123.80E 53–10 4.5b,4.9
IDC VIII 03 22 10 20.9–2.0 6.89N 123.92E 70–20 4.3,4.1
BJI VIII 03 22 10 25.2 6.70N 123.70E 120 4.9b,4.5b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.5km az=62.0. Felt [II PIVS] at Cotabato.
IDC Error ellipse: s-maj=17.4km s-min=10.0km az=80.0.
MAN VIII 04 05 57 13.3 7.80N 123.89E 26 4.0b,2.8L ¶604684082
IDC VIII 04 10 09 29.1–2.5 6.43N 123.15E 612–32 4.0,3.1 ¶601765446
IDC Error ellipse: s-maj=103.5km s-min=13.2km az=64.0.
MAN VIII 04 11 23 05.4 8.26N 126.52E 24 4.4b,3.2L ¶604684084
MAN VIII 04 23 11 45.7 6.26N 126.62E 4 4.8b,3.7L ¶604684089
MAN VIII 05 05 25 19.4 6.65N 125.80E 35 4.5b,3.4L ¶604684090
MAN VIII 05 06 28 32.8 7.52N 123.36E 6 4.4b,3.2L ¶604684091
ISC VIII 05 09 23 41.5–2.4 6.38N–.07 126.6E–.10 28–16 3.4b 17 1-55
IDC VIII 05 09 23 35.1–1.8 6.78N 127.04E 0 3.7,3.5 ¶601765489
MAN VIII 05 09 23 41.7 6.38N 126.72E 42 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=18.9km az=45.0.
MAN VIII 05 15 11 20.4 9.86N 126.11E 26 3.6b,2.3L ¶604684092
ISC VIII 05 15 48 35.2–1.4 9.74N–.06 125.8E–.10 35 9 0-34
MAN VIII 05 15 48 35.3 9.70N 125.72E 20 4.2b,2.9L ¶604684093
IDC VIII 05 15 48 52.9–3.1 7.05N 126.60E 0 3.4,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=269.8km s-min=25.6km az=66.0.
MAN VIII 05 16 11 36.0 9.71N 126.18E 32 4.5b,3.3L ¶604684095
ISC VIII 05 18 38 17.2–1.7 9.82N–.03 126.04E–.07 5–12 3.6b 18 1-86
IDC VIII 05 18 38 15.2–2.5 10.02N 126.48E 0 3.8,3.6b ¶601765509
ISCJB VIII 05 18 38 20.3–1.6 9.77N–.04 125.95E–.07 10–8 3.6b,3.6b
MAN VIII 05 18 38 21.6 9.74N 125.82E 12 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=248.7km s-min=24.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.2km az=177.2.
MAN VIII 05 21 04 05.5 5.53N 126.62E 29 4.4b,3.2L ¶604684096
ISC VIII 06 01 01 23.9–1.6 9.23N–.03 126.64E–.06 11–9 4.0b,3.2s 42 1-145
MAN VIII 06 01 01 29.3 9.14N 126.34E 5 4.7b,3.6L ¶601765526
IDC VIII 06 01 01 29.5–5.3 9.12N 126.34E 49–51 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=13.2km az=73.0.
MAN VIII 06 18 20 08.8 6.23N 125.65E 103 4.3b,3.1L ¶604684101
MAN VIII 08 08 38 54.4 5.90N 124.44E 1 4.7b,3.6L ¶604684106
ISC VIII 08 12 49 23.6–.87 6.92N–.04 126.03E–.05 64–7 3.7b 26 0-59
IDC VIII 08 12 49 19.7–7.4 7.11N 126.36E 32–52 3.7,3.7 ¶601765657
ISCJB VIII 08 12 49 22.1–.51 6.94N–.04 126.03E–.05 66–5 3.6b,3.7
MAN VIII 08 12 49 22.2 6.92N 126.02E 44 5.0b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=76.3km s-min=17.4km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.6km az=20.8.
MAN VIII 08 21 23 23.0 7.16N 126.81E 23 4.9b,3.8L ¶604684107
MAN VIII 09 12 32 54.4 6.95N 124.62E 27 4.3b,3.1L ¶604684109
ISC VIII 09 13 05 16.5–1.4 5.3N–.10 126.4E–.20 10 3.3b 9 1-122
ISCJB VIII 09 13 05 15.5–1.1 5.2N–.10 126.4E–.20 10 3.1b ¶601765703
MAN VIII 09 13 05 16.5 5.32N 126.56E 30 4.7b,3.6L
IDC VIII 09 13 05 28.5–2.6 3.91N 126.84E 0 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.8km s-min=7.3km az=146.3.
IDC Error ellipse: s-maj=114.9km s-min=44.3km az=71.0.
MAN VIII 09 13 09 28.5 6.04N 126.30E 5 4.3b,3.1L ¶604684110
MAN VIII 09 15 14 15.1 8.13N 126.26E 21 3.7b,2.4L ¶604684112
ISC VIII 10 07 17 46.1–1.1 7.60N–.03 126.88E–.07 52–10 4.5b,3.2s 130 1-152
MAN VIII 10 07 17 40.5 7.64N 126.99E 2 5.3b,4.5s ¶601565560
ISCJB VIII 10 07 17 44.5–.72 7.58N–.03 126.90E–.05 52–7 4.5b,3.2s
NEIC VIII 10 07 17 48.0–1.0 7.56N 126.82E 70–9 4.6b,3.2s
IDC VIII 10 07 17 49.6–2.1 7.57N 126.62E 90–19 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=174.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.1km az=75.0.
IDC Error ellipse: s-maj=36.2km s-min=13.7km az=86.0.
MAN VIII 10 15 59 41.0 5.47N 125.17E 41 4.4b,3.2L ¶604684118
MAN VIII 11 06 40 31.6 8.43N 126.87E 1 4.6b,3.5L ¶604684123
MAN VIII 11 10 01 23.2 5.74N 125.33E 21 4.8b,3.7L ¶604684125
MAN VIII 11 18 19 14.7 9.25N 124.36E 14 4.4b,3.2L ¶604684127
MAN VIII 11 18 48 05.7 5.99N 125.84E 140 4.7b,3.5L ¶604684128
ISC VIII 12 05 12 51.8–1.4 9.90N–.04 126.42E–.08 60–12 4.1b 56 1-146
MAN VIII 12 05 12 48.3 9.86N 126.52E 97 4.9b,3.8L ¶601734901
ISCJB VIII 12 05 12 49.2–.81 9.89N–.03 126.49E–.06 54–7 4.1b,2.8s
NEIC VIII 12 05 12 56.9–1.1 9.85N 126.40E 110–10 4.4b,2.8s
IDC VIII 12 05 12 56.4–2.3 9.90N 126.37E 102–21 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.2km az=167.3.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.9km az=79.0.
IDC Error ellipse: s-maj=26.8km s-min=12.1km az=78.0.
MAN VIII 12 09 35 28.1 7.43N 124.06E 27 3.8b,2.6L ¶604684129
MAN VIII 12 16 26 22.0 5.29N 126.30E 72 4.8b,3.7L ¶604684130
MAN VIII 12 19 36 48.3 9.95N 126.11E 19 4.8b,3.7L ¶604684133
MAN VIII 15 00 25 57.6 8.27N 125.95E 53 4.2b,3.0L ¶604684138
IDC VIII 15 13 51 23.7–23 5.90N 124.43E 650–405 3.8,2.7 ¶601765890
IDC Error ellipse: s-maj=162.4km s-min=60.8km az=40.0.
MAN VIII 16 09 12 54.4 5.93N 126.11E 33 4.1b,2.9L ¶604684146
MAN VIII 16 13 57 47.9 8.28N 122.84E 0 4.4b,3.3L ¶604684147
MAN VIII 16 17 36 00.6 6.60N 126.64E 96 4.7b,3.6L ¶604684148
MAN VIII 16 18 34 46.6 9.88N 126.25E 7 4.2b,3.0L ¶604684150
MAN VIII 16 22 13 19.6 7.51N 124.83E 9 4.4b,3.2L ¶604684153
MAN VIII 17 07 40 01.3 8.96N 121.91E 36 4.6b,3.5L ¶604684154
MAN VIII 17 17 55 44.5 7.42N 126.41E 145 4.0b,2.8L ¶604684155
MAN VIII 17 18 26 29.5 6.17N 126.48E 48 4.5b,3.4L ¶604684156
MAN VIII 17 22 41 32.9 8.67N 124.59E 17 4.4b,3.2L ¶604684157
ISC VIII 18 03 50 57.8–1.2 6.16N–.07 126.56E–.09 35 3.3b 15 1-60
IDC VIII 18 03 50 53.7–1.0 5.87N 125.13E 0 3.6,3.5 ¶601766026
ISCJB VIII 18 03 50 57.9–.89 6.07N–.06 126.56E–.07 35 3.3b,3.5
MAN VIII 18 03 50 58.2 6.25N 126.69E 49 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=12.6km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.2km az=152.7.
ISC VIII 18 05 43 23.2–1.4 7.85N–.03 124.60E–.04 2–10 3.5b 26 0-57
IDC VIII 18 05 43 22.6–1.1 7.75N 124.46E 0 3.8,3.7b ¶601766028
ISCJB VIII 18 05 43 23.1–.76 7.90N–.03 124.63E–.04 2–6 3.6b,3.7b
MAN VIII 18 05 43 23.3 7.92N 124.51E 3 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=13.4km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=172.3.
MAN VIII 18 05 55 25.1 8.08N 124.80E 31 4.4b,3.2L ¶604684158
MAN VIII 18 06 28 54.1 6.66N 123.88E 6 3.9b,2.6L ¶604684159
ISC VIII 18 20 18 47.1–1.6 6.52N–.04 124.56E–.04 23–12 4.0b 35 1-95
MAN VIII 18 20 18 46.2 6.47N 124.57E 16 5.3b,4.4s ¶601766102
ISCJB VIII 18 20 18 47.5–.53 6.46N–.04 124.56E–.04 37–7 3.8b,3.1s
IDC VIII 18 20 18 52.9–1.1 6.68N 125.41E 80–11 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=150.0.

IDC Error ellipse: s-maj=47.1km s-min=13.5km az=73.0.
IDC VIII 18 21 31 56.3–1.8 5.78N 123.96E 0 3.8,3.6b ¶601766109

IDC Error ellipse: s-maj=204.5km s-min=21.6km az=64.0.
IDC VIII 18 22 05 16.6–2.0 7.09N 123.82E 0 4.3,4.1 ¶601766115

IDC Error ellipse: s-maj=157.9km s-min=23.1km az=66.0.
MAN VIII 19 11 35 07.6 7.41N 124.91E 15 4.4b,3.3L ¶604684162

MAN VIII 19 14 01 56.1 7.24N 123.33E 6 4.6b,3.5L ¶604684163

MAN VIII 19 14 08 54.4 7.35N 123.29E 32 4.4b,3.2L ¶604684164

MAN VIII 19 16 26 54.2 5.16N 125.49E 111 4.8b,3.7L ¶604684165

IDC VIII 20 14 18 53.1–2.3 9.09N 125.62E 0 3.6,3.4 ¶601766197

IDC Error ellipse: s-maj=146.8km s-min=24.4km az=67.0.
MAN VIII 20 20 05 35.5 6.69N 126.17E 66 4.6b,3.5L ¶604684167

ISC VIII 21 11 22 49.5–1.4 5.8N–.10 126.4E–.10 90–14 3.6b 19 1-60
ISCJB VIII 21 11 22 49.1–.93 5.81N–.08 126.32E–.10 107–10 3.9b **¶601766250**
MAN VIII 21 11 22 50.5 5.82N 126.18E 11 4.7b,3.5L
IDC VIII 21 11 22 51.3–1.2 5.72N 125.94E 106–16 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=12.5km az=23.6.
IDC Error ellipse: s-maj=94.8km s-min=15.5km az=70.0.
MAN VIII 21 14 19 55.0 9.50N 125.42E 5 4.6b,3.4L ¶604684169

MAN VIII 21 17 10 07.6 9.16N 125.43E 1 4.2b,3.1L ¶604684170

MAN VIII 21 18 25 03.8 7.93N 124.87E 33 3.5b,2.2L ¶604684171

ISC VIII 21 19 53 12.3–.57 5.90N–.03 126.20E–.05 125–5 4.4b 196 1-163
DJA VIII 21 19 53 05.4–.80 6N–5.0 126E–5.0 49–8 4.8b,4.7 **¶601606016**
BJI VIII 21 19 53 07.9 5.61N 126.22E 120 4.9b,4.6b
MAN VIII 21 19 53 09.2 5.68N 126.18E 64 4.8b,3.8L
ISCJB VIII 21 19 53 10.7–.33 5.87N–.02 126.15E–.04 129–3 4.3b,3.8L
NEIC VIII 21 19 53 11.7–.64 5.86N 126.09E 123–6 4.5b,3.8L
IDC VIII 21 19 53 11.1–.76 5.81N 125.99E 115–5 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.3km az=170.5.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=75.0.
IDC Error ellipse: s-maj=15.3km s-min=8.4km az=80.0.
IDC VIII 22 00 57 38.3–2.1 6.87N 125.17E 0 3.8,3.6 ¶601766280

IDC Error ellipse: s-maj=216.3km s-min=21.6km az=65.0.
MAN VIII 22 02 09 18.2 5.95N 125.60E 30 4.3b,3.1L ¶604684173

ISC VIII 22 04 37 59.4–1.3 6.43N–.06 124.55E–.06 32–10 3.8b 23 1-64
MAN VIII 22 04 37 55.8 6.45N 124.57E 4 5.2b,4.2s **¶601766285**
ISCJB VIII 22 04 37 58.5–.98 6.41N–.06 124.51E–.06 37–10 3.8b,2.5s
IDC VIII 22 04 38 06.3–1.2 6.81N 125.81E 106–5 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.6km az=142.0.
IDC Error ellipse: s-maj=75.8km s-min=11.3km az=70.0.
MAN VIII 22 14 56 30.6 9.97N 126.12E 14 3.9b,2.6L ¶604684174

MAN VIII 23 14 05 04.2 6.98N 126.63E 30 4.4b,3.3L ¶604684180

MAN VIII 23 21 16 04.4 6.45N 125.90E 154 4.8b,3.8L ¶604684182

ISC VIII 24 11 41 49.3–.88 5.52N–.08 125.48E–.09 128–7 3.8b 23 1-60
ISCJB VIII 24 11 41 48.7–.62 5.56N–.07 125.37E–.09 142–6 3.8b **¶601766398**
MAN VIII 24 11 41 49.6 5.56N 125.35E 133 4.8b,3.7L
IDC VIII 24 11 41 49.7–1.5 5.58N 125.31E 134–15 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=10.8km az=4.5.
IDC Error ellipse: s-maj=49.3km s-min=12.5km az=75.0.
MAN VIII 24 18 23 08.1 9.21N 126.28E 12 4.0b,2.7L ¶604684185

MAN VIII 24 19 13 58.8 7.33N 123.78E 34 3.9b,2.7L ¶604684186

MAN VIII 25 13 31 10.9 7.82N 124.67E 1 4.4b,3.3L ¶604684187

IDC VIII 26 11 11 11.2–2.7 7.50N 125.73E 0 3.5,3.4 ¶601766500

IDC Error ellipse: s-maj=234.8km s-min=26.7km az=65.0.
MAN VIII 26 21 48 57.2 7.79N 126.50E 1 4.6b,3.5L ¶604684195

MAN VIII 27 11 09 04.3 6.92N 126.52E 14 4.6b,3.5L ¶604684196

MAN VIII 27 13 16 30.4 6.69N 125.62E 1 4.0b,2.8L ¶604684197

MAN VIII 27 13 18 07.8 6.65N 125.96E 1 4.0b,2.8L ¶604684198

MAN VIII 27 13 44 03.8 6.35N 126.30E 27 4.2b,3.1L ¶604684199

MAN VIII 28 02 13 57.7 9.47N 125.34E 9 4.0b,2.8L ¶604684201

ISC VIII 28 09 11 14.5–.76 5.63N–.04 125.85E–.07 117–6 4.2b 72 0-121
MAN VIII 28 09 11 13.8 5.51N 125.95E 86 4.9b,3.9L **¶601755509**
ISCJB VIII 28 09 11 14.4–.39 5.65N–.03 125.75E–.06 130–3 4.1b,3.9L
NEIC VIII 28 09 11 19.8–.63 5.67N 125.67E 164–5 4.0b,3.9L
IDC VIII 28 09 11 21.8–4.6 5.64N 125.68E 183–43 4.2,3.8
DJA VIII 28 09 11 22.8–.50 5N–4.0 126E–4.0 157–6 4.8b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 29 00 17 41.0–1.3 10.00N–.04 126.15E–.08 56–12 3.9b 39 1-94
ISCJB VIII 29 00 17 40.3–.82 9.97N–.04 126.21E–.07 71–8 3.9b **¶601755538**
MAN VIII 29 00 17 40.5 9.94N 126.11E 14 4.7b,3.6L
IDC VIII 29 00 17 52.8–2.5 9.87N 125.90E 175–24 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.5km az=165.7.
IDC Error ellipse: s-maj=30.0km s-min=11.2km az=64.0.
MAN VIII 29 15 39 18.0 8.03N 125.11E 11 4.3b,3.1L ¶604684204

ISC VIII 30 10 29 28.4–.93 8.43N–.03 123.30E–.04 29–7 3.9b,3.2s 43 0-89
ISCJB VIII 30 10 29 27.3–.67 8.32N–.03 123.14E–.04 30–4 3.8b,3.2s **¶601755609**
MAN VIII 30 10 29 27.9 8.32N 123.28E 16 4.7b,3.5L
IDC VIII 30 10 29 36.9–1.8 8.38N 123.37E 110–19 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.6km az=179.6.
IDC Error ellipse: s-maj=25.8km s-min=11.0km az=64.0.
MAN VIII 30 23 27 53.9 7.36N 124.06E 32 4.1b,2.9L ¶604684208

ISC VIII 31 13 10 42.6–.51 9.67N–.07 126.99E–.08 41 4.6b 47 3-145
IDC VIII 31 13 10 37.3–.69 9.83N 127.09E 0 4.5,4.5 **¶601755666**
ISCJB VIII 31 13 10 40.6–.35 9.66N–.04 126.98E–.06 41 4.4b,4.5
NEIC VIII 31 13 10 41.8–.35 9.70N 127.02E 35 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=16.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=162.3.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.2km az=82.0.
IDC VIII 31 13 35 15.8–12 9.58N 126.75E 0 4.3,4.2 ¶601755680

IDC Error ellipse: s-maj=291.2km s-min=61.3km az=171.0.
MAN VIII 31 14 49 26.1 7.81N 124.81E 33 4.4b,3.3L ¶604684211

MAN VIII 31 15 11 51.4 7.68N 124.86E 33 4.1b,2.9L ¶604684212

MAN VIII 31 15 57 20.7 7.69N 124.90E 34 4.5b,3.4L ¶604684213

ISC VIII 31 17 03 36.6–.93 6.0N–.10 124.3E–.30 35 4.2b 8 2-95
IDC VIII 31 17 03 31.0–1.3 6.20N 124.70E 0 4.2,4.2 **¶601755760**
ISC Event type ke.
IDC Error ellipse: s-maj=206.1km s-min=20.1km az=66.0.
IDC VIII 31 23 35 06.7–1.5 6.52N 124.24E 0 4.9s,4.9 ¶601755814

IDC Error ellipse: s-maj=133.2km s-min=18.7km az=68.0.
IDC IX 01 03 03 11.3–14 9.34N 126.71E 0 4.2,4.1b ¶601862685

IDC Error ellipse: s-maj=673.4km s-min=124.3km az=30.0.
IDC IX 01 11 19 07.5–3.3 9.92N 124.66E 0 3.6s,3.6 ¶601862713

IDC Error ellipse: s-maj=342.4km s-min=22.9km az=65.0.
MAN IX 02 11 14 15.6 9.63N 126.50E 30 4.3b,3.1L ¶604684224

ISC IX 02 16 17 21.1–.56 5.67N–.07 124.1E–.10 450 3.6b 37 1-89
IDC IX 02 16 17 22.3–.66 5.70N 124.09E 469–8 4.2,3.4 **¶601862792**
DJA IX 02 16 17 23.8–.90 6N–9.0 124E–5.0 441–11 4.5b,4.5
ISC Event type ke.
MAN IX 03 02 04 49.3 9.25N 125.51E 3 3.9b,2.7L ¶604684236

ISC IX 03 06 49 54.1–.24 6.58N–.02 123.79E–.03 39–1 5.4b,5.4s 1177 1-173
MAN IX 03 06 49 46.6 6.54N 123.58E 1 6.2b,5.9s **¶601672002**
BJI IX 03 06 49 46.5 6.42N 124.17E 14 5.7s,5.6b
ISCJB IX 03 06 49 49.7–.44 6.57N–.01 123.84E–.02 19–3 5.3s,5.3b
NEIC IX 03 06 49 49.7–.10 6.61N 123.88E 12 5.8W,5.8W
NEIC IX 03 06 49 49.0–.00 6.75N 123.89E 17 5.8W,5.8W
MOS IX 03 06 49 50.3–.95 6.61N 123.84E 25 5.6b,5.3s
GCMT IX 03 06 49 52.7–.10 6.68N–.01 123.76E 12–0 5.9W,5.3s
DJA IX 03 06 49 52.6–.70 7N–2.0 124E–1.0 19–5 6.0b,6.0
IDC IX 03 06 49 56.2–1.5 6.57N 123.83E 61–14 5.2s,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=178.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=75.0. Felt [IV PIVS] at Cotabato; [III PIVS] in Datu Hoffer Ampatuan and Datu Unsay; [II PIVS] at Isulan, Kidapawan and Zamboanga City. Felt [IV] at General Santos and [II] at Davao. Also felt at Alabel, Kalamansig, Polomolok and Santa Cruz. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}4.28 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-4.08 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.49 $M_{\phi r}$-5.84 Best double couple: NP1:ϕ_s181.00000°,δ72.00000°,λ87.00000°. NP2:ϕ_s12.00000° ,δ18.00000°,λ101.00000°. Principal axes: T 7.2900,Plg63.0000°,Azm86.0000° ; N -0.1900,Plg3.0000°,Azm182.0000°; P -7.1100,Plg27.0000°,Azm274.0000° $M_0$7.20000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s20.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s200.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm110.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm290.0000°
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}4.19 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-3.93 $M_{r\theta}$-0.86 $M_{\theta\phi}$-0.18 $M_{\phi r}$-4.45 Best double couple: NP1:ϕ_s189.00000° ,δ69.00000°,λ94.00000°. NP2:ϕ_s358.00000°,δ21.00000°,λ80.00000°. Principal axes: T 6.2300,Plg65.0000°,Azm105.0000°; N -0.2900,Plg3.0000°,Azm7.0000° ; P -5.9400,Plg24.0000°,Azm275.0000° $M_0$6.10000×10^{17}
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=111.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c270; s151,c462; Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.96±.05 $M_{\theta\theta}$0.21±.04; $M_{\phi\phi}$-5.17±.04; $M_{r\theta}$-1.11±.11; $M_{\theta\phi}$-0.29±.03; $M_{\phi r}$-6.16±.19; Best double couple: NP1:ϕ_s189.00000° ,δ71.00000°,λ94.00000°. NP2:ϕ_s357.00000°,δ20.00000°,λ79.00000°. Principal axes: T 7.9700,Plg64.0000°,Azm105.0000°; N 0.1750,Plg4.0000°,Azm7.0000° ; P -8.1460,Plg25.0000°,Azm276.0000° $M_0$8.05800×10^{17}
IDC Error ellipse: s-maj=10.3km s-min=7.4km az=75.0.
MAN IX 03 07 14 38.0 6.46N 123.63E 1 4.7b,3.5L ¶604684237

MAN IX 03 07 21 29.7 6.56N 123.63E 1 4.5b,3.4L ¶604684238

ISC IX 03 07 48 20.4–1.7 6.69N–.06 123.68E–.06 17–12 3.9b 20 1-87
MAN IX 03 07 48 18.2 6.58N 123.60E 1 5.0b,4.0L **¶601862849**
IDC IX 03 07 48 24.0–1.1 6.07N 124.13E 0 4.1,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=19.3km az=97.0.
ISC IX 03 08 37 01.3–2.7 6.59N–.06 123.78E–.08 10–17 3.5b 16 1-58
MAN IX 03 08 37 00.1 6.50N 123.73E 27 4.5b,3.3L **¶601862850**
IDC IX 03 08 37 04.8–1.1 6.39N 124.03E 0 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=20.0km az=75.0.
ISC IX 03 08 49 23.7–1.1 6.58N–.03 123.82E–.03 15–6 4.7b,4.0s 309 1-173
MAN IX 03 08 49 20.8 6.56N 123.66E 1 5.6b,4.9s **¶601672004**
IDC IX 03 08 49 21.0–.48 6.51N 123.79E 0 4.9L,4.5
BJI IX 03 08 49 21.1 6.56N 124.21E 14 4.9b,4.7b
NEIC IX 03 08 49 22.8–.21 6.56N 123.86E 10 5.0b,4.7b
MOS IX 03 08 49 23.8–.95 6.61N 123.88E 27 4.9b,4.7b
ISCJB IX 03 08 49 24.0–.60 6.52N–.02 123.86E–.03 29–4 4.6b,4.0s
DJA IX 03 08 49 25.0–.20 6N–3.0 124E–2.0 10 5.2b,5.1
GCMT IX 03 08 49 27.8–.30 6.71N–.03 123.71E–.02 28–0 5.1W,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c31; s77,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.18±.30 $M_{\theta\theta}$-1.16±.17; $M_{\phi\phi}$-4.01±.18; $M_{r\theta}$-0.36±.24; $M_{\theta\phi}$0.75±.09; $M_{\phi r}$-2.60±.24; Best double couple: NP1:ϕ_s175.00000°,δ59.00000°,λ98.00000°. NP2:ϕ_s340.00000°,δ32.00000°,λ77.00000°. Principal axes: T 5.9070,Plg74.0000° ,Azm107.0000°; N -1.0910,Plg7.0000°,Azm351.0000°; P -4.8060,Plg14.0000° ,Azm260.0000° $M_0$5.35600×10^{16}
ISC IX 03 08 50 55.3–2.1 6.57N–.06 123.83E–.08 7–12 4.4b 38 1-131
IDC IX 03 08 50 53.9–.78 6.45N 123.62E 0 4.7L,4.4 **¶601734440**
NEIC IX 03 08 50 55.6–.36 6.48N 123.67E 10 4.8b,4.4
MAN IX 03 08 50 57.1 6.63N 123.95E 26 4.5b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=15.0km az=55.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.1km az=71.0.
MAN IX 03 08 54 09.4 6.60N 123.91E 30 3.8b,2.6L ¶604684242

ISC IX 03 10 48 50.5–.85 7.90N–.05 124.91E–.05 14 3.8b 19 1-120
IDC IX 03 10 48 44.5–2.4 6.59N 124.30E 0 3.6,3.6b **¶601862860**
ISCJB IX 03 10 48 50.2–.56 7.90N–.04 124.97E–.04 14 3.7b,2.9s
ISC Event type ke.
ISCJB Event type ke.
MAN IX 03 11 29 15.6 7.88N 125.09E 14 4.2b,3.0L ¶604684244

MAN IX 03 11 45 48.8 7.88N 124.87E 1 5.1b,4.1s ¶604684245

MAN IX 03 12 24 52.1 6.64N 123.83E 20 4.6b,3.5L ¶604684246

MAN IX 03 12 47 42.4 7.99N 125.09E 7 3.8b,2.5L ¶604684247

ISC IX 03 13 21 03.6–1.0 7.82N–.03 124.91E–.03 7–7 3.8b,3.3s 58 0-94
IDC IX 03 13 21 02.8–.77 7.67N 124.59E 0 4.0,3.8b **¶601710328**
ISCJB IX 03 13 21 03.9–.44 7.88N–.03 125.00E–.04 20–3 3.8b,3.4s
MAN IX 03 13 21 03.5 7.90N 124.89E 3 5.5b,4.8s
NEIC IX 03 13 21 04.5–1.6 7.75N 124.88E 14–10 4.1b,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=26.6km s-min=10.5km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=162.9.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=6.7km az=72.0. Felt [III PIVS] at Maramag and Mount Musuan and [II PIVS] at Malaybalay and Valencia.
MAN IX 03 13 28 42.6 7.89N 125.07E 24 4.3b,3.1L ¶604684248

MAN IX 03 17 30 25.8 7.95N 125.75E 4 4.2b,3.0L

¶604684252
MAN IX 03 18 17 39.2 7.77N 126.74E 7 4.2b,3.1L

¶604684253
MAN IX 03 18 37 54.1 7.75N 124.97E 6 4.3b,3.1L

¶604684254
ISC IX 03 19 44 23.3–.42 7.88N–.02 125.02E–.03 15–2 5.5b,5.4s 900 0-172
BJI IX 03 19 44 18.6 7.74N 125.28E 10 5.6b,5.5s ¶601673031
IDC IX 03 19 44 21.1–.30 7.91N 125.03E 0 5.1b,5.1
ISCJB IX 03 19 44 21.2–.46 7.90N–.01 125.09E–.02 11–2 5.3s,5.3b
MAN IX 03 19 44 22.2 7.91N 124.88E 5 6.1b,5.7s
NEIC IX 03 19 44 22.4–.13 7.91N 125.04E 10 5.6b,5.4s
MOS IX 03 19 44 24.6–.95 7.90N 124.98E 33 5.5b,5.2s
GCMT IX 03 19 44 24.4–.10 7.95N–.01 125.00E–.01 15–0 5.7W,5.2s
DJA IX 03 19 44 24.5–.20 8N–2.0 125E–2.0 10 6.1,5.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [VI] at Valencia, [IV] at Cagayan de Oro and Malaybalay and [III] at Davao. Felt [V PIVS] at Maramag and Mount Musuan, [IV PIVS] in Arakan, [III PIVS] at Kidapawan and [II PIVS] at Butuan and Cotabato. Also felt at Don Carlos, Iligan, Initao, Lantapan, Linamon, Lumbia, Opol, Panabo and Polanco.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c108; s126,c290;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.06 $M_{\theta\theta}$3.92±.06; $M_{\phi\phi}$-3.21±.05; $M_{r\theta}$0.72±.18; $M_{\theta\phi}$0.08±.04; $M_{\phi r}$1.15±.19; Best double couple: NP1:ϕ_s226.00000°,δ81.00000°,λ-158.00000°. NP2:ϕ_s133.00000°,δ68.00000°,λ-9.00000°. Principal axes: T 4.0400,Plg9.0000° ,Azm358.0000°; N -0.3770,Plg66.0000°,Azm246.0000°; P -3.6640,Plg22.0000° ,Azm92.0000° M_o3.85200×10^{17}
ISC IX 03 19 52 26.8–1.1 7.81N–.02 124.91E–.03 6–7 4.3b 73 0-144
DJA IX 03 19 52 19.0–2.6 9N–21 126E–12 10 5.8,5.4 ¶601673032
IDC IX 03 19 52 25.4–.50 7.73N 124.77E 0 4.7,4.7s
MAN IX 03 19 52 26.2 7.84N 124.88E 1 5.5b,4.8s
ISCJB IX 03 19 52 27.5–.42 7.86N–.02 125.01E–.03 21–3 4.3b,4.8s
NEIC IX 03 19 52 28.2–1.3 7.71N 124.86E 18–8 4.8b,4.8s
BJI IX 03 19 52 32.5 7.83N 125.19E 37 4.5b,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=9.1km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=4.8km az=79.0. Felt [III PIVS] at Maramag, Mount Musuan and Valencia and [II PIVS] at Cagayan de Oro.
MAN IX 03 20 03 35.3 7.87N 124.87E 1 3.7b,2.5L

¶604684256
MAN IX 03 20 04 55.8 7.86N 124.88E 2 4.2b,3.1L

¶604684257
MAN IX 03 20 07 08.0 7.86N 124.87E 0 4.3b,3.1L

¶604684258
MAN IX 03 20 13 22.7 8.04N 125.25E 24 4.4b,3.3L

¶604684259
MAN IX 03 20 16 38.5 7.75N 124.98E 4 4.2b,3.0L

¶604684260
MAN IX 03 20 20 01.6 7.77N 125.08E 11 3.6b,2.3L

¶604684261
MAN IX 03 20 25 10.3 7.86N 124.86E 2 4.7b,3.6L

¶604684262
MAN IX 03 20 29 17.6 7.84N 124.86E 1 3.8b,2.6L

¶604684263
MAN IX 03 20 37 20.6 6.62N 123.83E 39 3.9b,2.6L

¶604684264
MAN IX 03 20 52 40.4 7.78N 124.96E 4 4.5b,3.4L

¶604684265
MAN IX 03 22 03 58.5 7.89N 124.79E 2 5.0b,4.0L

¶604684266
MAN IX 03 23 09 10.3 7.87N 124.89E 4 4.7b,3.6L

¶604684267
MAN IX 03 23 15 01.4 7.89N 124.97E 9 4.6b,3.4L

¶604684268
MAN IX 04 00 23 40.6 7.97N 125.15E 20 4.1b,2.9L

¶604684269
MAN IX 04 00 28 09.9 7.94N 125.10E 28 3.5b,2.2L

¶604684270
MAN IX 04 00 42 22.6 7.97N 125.28E 3 4.6b,3.5L

¶604684271
MAN IX 04 01 21 54.9 7.90N 124.74E 5 4.6b,3.4L

¶604684272
MAN IX 04 02 41 00.4 7.95N 125.10E 27 4.1b,2.9L

¶604684276
ISC IX 04 04 17 40.3–.81 5.60N–.09 126.67E–.10 66 3.9b 22 1-122
ISCJB IX 04 04 17 38.6–.60 5.61N–.08 126.73E–.07 66 3.8b ¶601862905
IDC IX 04 04 17 39.9–3.1 5.62N 126.65E 60–27 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.8km az=43.8.
IDC Error ellipse: s-maj=57.6km s-min=13.2km az=71.0.
ISC IX 04 10 58 47.0–.00 7.85N–.02 124.90E–.03 8–7 4.1b,3.4s 45 0-94
ISCJB IX 04 10 58 45.9–.74 7.86N–.03 124.89E–.03 5–5 4.0b,3.4s ¶601862921
MAN IX 04 10 58 45.7 7.85N 124.87E 1 4.9b,3.9L
IDC IX 04 10 58 51.5–1.2 7.92N 125.21E 56–13 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=152.8.
IDC Error ellipse: s-maj=57.2km s-min=13.7km az=66.0.
MAN IX 04 13 29 43.1 7.97N 125.10E 32 4.2b,3.1L

¶604684279
MAN IX 04 16 27 12.3 7.89N 124.92E 8 4.0b,2.8L

¶604684280
MAN IX 04 17 22 41.2 7.89N 125.18E 18 3.5b,2.2L

¶604684281
MAN IX 04 22 11 59.5 7.97N 125.16E 13 4.7b,3.6L

¶604684283
MAN IX 05 05 05 29.1 7.93N 125.09E 26 4.2b,3.0L

¶604684287
IDC IX 05 07 56 43.3–3.0 9.97N 125.71E 0 3.5,3.4

¶601862973
IDC Error ellipse: s-maj=276.2km s-min=21.8km az=66.0.
MAN IX 05 11 09 06.2 8.00N 125.00E 6 3.7b,2.4L

¶604684289
MAN IX 05 15 45 42.0 6.61N 123.53E 1 4.7b,3.6L

¶604684292
MAN IX 05 16 03 25.1 7.88N 125.06E 23 4.4b,3.2L

¶604684293
ISC IX 05 18 47 16.5–3.3 8.66N–.05 126.88E–.09 5–20 3.3b 21 1-54
ISCJB IX 05 18 47 16.4–1.9 8.69N–.05 127.04E–.07 9–14 3.2b ¶604684295
MAN IX 05 18 47 18.8 8.65N 126.78E 11 4.6b,3.4L
IDC IX 05 18 47 19.9–1.4 7.27N 123.65E 0 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.3km az=151.8.
IDC Error ellipse: s-maj=30.5km s-min=16.8km az=14.0.
MAN IX 06 03 17 55.7 6.87N 126.72E 2 4.2b,3.0L

¶604684298
MAN IX 06 05 30 21.4 7.89N 125.17E 30 3.9b,2.7L

¶604684300
MAN IX 06 11 17 09.3 9.81N 126.42E 55 4.2b,3.1L

¶604684301
MAN IX 06 14 14 38.0 7.64N 125.06E 32 4.0b,2.8L

¶604684302
MAN IX 06 15 25 23.5 8.13N 124.98E 31 4.1b,2.9L

¶604684303
MAN IX 06 15 41 18.2 8.22N 125.09E 28 3.8b,2.6L

¶604684304
MAN IX 06 21 05 54.3 8.12N 124.97E 39 3.6b,2.3L

¶604684309
ISC IX 07 10 02 20.7–2.7 9.56N–.04 126.78E–.07 6–16 3.6b 31 1-94
IDC IX 07 10 02 19.7–.77 9.59N 126.67E 0 4.0,3.9b ¶601863109
MAN IX 07 10 02 25.1 9.61N 126.63E 25 4.9b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=61.0km s-min=16.1km az=76.0.
MAN IX 07 13 31 57.6 7.94N 124.90E 1 4.0b,2.8L

¶604684313
MAN IX 07 16 49 25.0 8.88N 122.49E 2 3.9b,2.7L

¶604684314
MAN IX 08 04 09 04.2 8.53N 125.99E 1 4.4b,3.3L

¶604684315
MAN IX 08 11 23 47.8 7.69N 124.98E 1 4.9b,3.8L

¶604684316
IDC IX 08 12 21 06.6–7.3 9.98N 126.78E 0 4.3,4.2

¶601863166
IDC Error ellipse: s-maj=180.5km s-min=55.4km az=172.0.
MAN IX 08 17 56 36.0 6.22N 123.50E 11 4.1b,2.9L

¶604684317
MAN IX 09 00 14 57.3 7.02N 124.63E 10 4.4b,3.3L

¶604684321
MAN IX 09 07 22 09.6 6.44N 123.70E 1 4.4b,3.3L

¶604684326
ISC IX 09 08 34 57.5–1.7 6.51N–.06 123.70E–.07 28–12 3.7b 24 1-70
ISCJB IX 09 08 34 52.8–2.6 6.35N–.05 123.59E–.05 12–17 3.7b,3.6s ¶601863223
IDC IX 09 08 34 52.9–.81 6.36N 123.53E 0 4.2L,3.9
MAN IX 09 08 34 55.6 6.44N 123.66E 22 4.8b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.6km az=151.1.
IDC Error ellipse: s-maj=31.4km s-min=15.4km az=60.0.
MAN IX 09 09 45 32.8 6.55N 123.73E 1 4.5b,3.4L

¶604684329
MAN IX 09 13 40 09.8 9.65N 126.95E 3 4.3b,3.2L

¶604684330
ISC IX 10 02 47 17.2–1.3 9.56N–.04 126.64E–.07 56–12 4.2b,3.4s 64 1-145
MAN IX 10 02 47 14.0 9.58N 126.69E 20 5.0b,4.1s ¶601751658
ISCJB IX 10 02 47 15.5–.81 9.55N–.03 126.64E–.07 56–7 4.1b,3.4s
IDC IX 10 02 47 21.8–2.2 9.55N 126.49E 96–20 4.2,3.9
NEIC IX 10 02 47 22.0–.94 9.54N 126.50E 100–9 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.4km az=173.4.
IDC Error ellipse: s-maj=17.9km s-min=9.0km az=82.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.2km az=85.0.
MAN IX 10 07 31 25.7 9.58N 126.21E 1 4.4b,3.2L

¶604684335
MAN IX 10 09 45 25.3 7.93N 125.04E 33 3.5b,2.2L

¶604684340
ISC IX 10 11 40 10.9–1.9 7.81N–.04 126.98E–.08 15–10 3.8b 26 1-54
ISCJB IX 10 11 40 08.9–1.4 7.76N–.04 127.13E–.06 15–10 3.6b ¶601863293
IDC IX 10 11 40 09.0–1.6 7.70N 127.15E 0 3.9,3.8
MAN IX 10 11 40 11.8 7.76N 126.76E 1 4.3b,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.4km az=166.2.
IDC Error ellipse: s-maj=31.4km s-min=22.3km az=39.0.
MAN IX 10 12 10 36.6 8.51N 126.11E 1 4.1b,2.9L

¶604684341
MAN IX 10 13 10 28.6 8.67N 124.51E 20 3.7b,2.5L

¶604684342
MAN IX 10 13 41 00.7 5.97N 125.78E 42 4.3b,3.1L

¶604684343
MAN IX 10 17 19 24.4 9.69N 125.38E 8 4.7b,3.6L

¶604684344
MAN IX 10 17 37 31.1 8.71N 125.85E 18 4.3b,3.2L

¶604684345
ISC IX 11 11 06 13.8–.86 9.9N–.10 126.8E–.20 35 3.8b 11 2-87
IDC IX 11 11 06 08.7–.97 9.74N 126.20E 0 4.2L,3.9 ¶601863349
ISCJB IX 11 11 06 12.1–.75 9.8N–.10 126.8E–.10 35 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 11 42 16.0–1.1 8.43N–.04 126.98E–.05 19–3 4.0b 38 1-88
MAN IX 11 11 42 14.2 8.49N 127.00E 3 4.8b,3.8s ¶601863352
ISCJB IX 11 11 42 16.1–1.2 8.49N–.04 127.10E–.07 37–11 3.9b,3.0s
IDC IX 11 11 42 23.3–2.6 8.43N 126.73E 87–26 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.7km az=170.8.
IDC Error ellipse: s-maj=28.8km s-min=13.3km az=82.0.
ISC IX 11 13 26 23.5–.89 6.37N–.07 123.54E–.09 35 3.5b 15 1-58
IDC IX 11 13 26 18.8–.90 6.33N 123.67E 0 4.4L,3.8 ¶601863357
ISCJB IX 11 13 26 21.5–.67 6.33N–.05 123.52E–.06 33 3.5b,3.0s
ISC Event type ke.
ISCJB Event type ke.
MAN IX 11 15 00 35.5 8.31N 123.06E 12 4.6b,3.5L

¶604684351
ISC IX 11 15 23 03.2–.66 7.01N–.04 126.42E–.06 10 4.0b 39 1-72
ISCJB IX 11 15 23 00.8–.50 7.06N–.04 126.59E–.05 10 3.9b ¶601734480
IDC IX 11 15 23 01.4–.84 7.04N 126.60E 0 3.9,3.9
NEIC IX 11 15 23 06.8–.58 6.85N 126.26E 35 4.1b,3.9
DJA IX 11 15 23 07.6–1.0 7N–7.0 126E–6.0 77–14 4.5b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN IX 11 15 41 29.4 5.79N 126.50E 8 4.7b,3.6L

¶604684353
MAN IX 11 19 29 25.9 8.33N 124.77E 5 4.5b,3.4L

¶604684355
MAN IX 11 21 04 40.5 8.26N 124.93E 15 4.0b,2.8L

¶604684356
MAN IX 11 21 09 21.9 8.10N 125.17E 11 4.4b,3.3L

¶604684357
MAN IX 12 07 36 32.9 9.18N 125.43E 1 3.8b,2.6L

¶604684359
MAN IX 12 12 13 52.3 8.68N 125.93E 17 4.4b,3.3L

¶604684361
ISC IX 12 20 29 07.5–1.2 5.35N–.07 125.27E–.06 52–12 3.6b 25 1-84
ISCJB IX 12 20 29 06.9–.72 5.42N–.06 125.28E–.06 64–8 3.7b ¶601863429
IDC IX 12 20 29 10.8–1.9 5.39N 125.27E 86–17 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=9.2km az=143.8.
IDC Error ellipse: s-maj=43.2km s-min=11.5km az=81.0.
MAN IX 13 00 08 43.4 8.93N 125.03E 126 4.2b,3.1L

¶604684362
MAN IX 14 03 49 06.9 9.64N 126.48E 2 4.5b,3.4L

¶604684366
MAN IX 14 13 25 59.6 9.67N 126.45E 5 4.2b,3.0L

¶604684367
MAN IX 15 13 40 02.9 9.75N 125.10E 104 4.4b,3.2L

¶604684370
MAN IX 15 14 32 36.1 9.98N 125.63E 25 4.0b,2.7L

¶604684371
MAN IX 15 15 44 55.5 9.84N 126.65E 30 4.0b,2.8L

¶604684372
MAN IX 16 13 39 51.1 5.89N 124.76E 15 4.7b,3.6L

¶604684380
MAN IX 16 15 34 40.4 8.39N 124.93E 6 3.5b,2.2L

¶604684382
MAN IX 16 16 51 52.5 8.94N 125.87E 60 4.1b,2.9L

¶604684383
MAN IX 16 18 02 46.0 9.78N 126.00E 2 4.0b,2.8L

¶604684384
MAN IX 16 21 36 19.1 8.64N 125.95E 15 4.4b,3.2L

¶604684388
ISC IX 16 22 47 06.5–.44 7.41N–.08 123.8E–.10 600 3.8b 39 2-144
ISCJB IX 16 22 47 05.5–.38 7.44N–.07 123.8E–.10 600 3.8b ¶601863679
IDC IX 16 22 47 06.6–.47 7.40N 123.89E 601–6 4.3,3.4
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=7.4km az=159.5.
IDC Error ellipse: s-maj=16.9km s-min=6.3km az=71.0.
MAN IX 17 02 27 53.8 8.39N 124.93E 4 3.8b,2.6L
¶604684390

MAN IX 17 07 20 07.0 8.13N 126.51E 67 4.3b,3.1L
¶604684394

MAN IX 17 08 04 05.7 5.84N 125.56E 197 4.6b,3.5L
¶604684395

MAN IX 17 12 47 11.7 7.09N 126.92E 17 4.6b,3.4L
¶604684401

ISC IX 17 15 41 07.3–1.1 8.95N–.04 126.27E–.07 62–11 3.9b 29 1-57
ISCJB IX 17 15 41 05.7–.71 8.94N–.04 126.34E–.06 75–7 3.9b **¶604684406**
MAN IX 17 15 41 05.8 8.94N 126.34E 26 4.5b,3.4L
IDC IX 17 15 42 21.6–1.2 19.47N 121.69E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.8km az=162.1.
IDC Error ellipse: s-maj=52.0km s-min=21.1km az=75.0.
MAN IX 18 00 16 20.5 7.96N 125.00E 8 3.5b,2.2L
¶604684408

MAN IX 18 04 35 56.9 5.07N 126.44E 25 4.6b,3.4L
¶604684409

MAN IX 18 07 25 43.7 7.92N 124.86E 1 3.9b,2.6L
¶604684411

MAN IX 18 09 45 54.5 7.96N 124.89E 1 4.2b,3.1L
¶604684412

MAN IX 18 11 08 48.4 5.90N 125.36E 35 4.1b,2.9L
¶604684413

MAN IX 18 13 34 18.3 8.40N 124.92E 3 3.8b,2.5L
¶604684415

MAN IX 18 14 58 55.7 7.05N 123.82E 68 4.6b,3.4L
¶604684418

MAN IX 18 16 53 28.1 9.82N 126.14E 68 4.1b,2.9L
¶604684420

ISC IX 18 17 35 11.9–.75 5.54N–.06 126.32E–.07 134–7 3.8b 36 1-90
ISCJB IX 18 17 35 10.9–.45 5.54N–.05 126.35E–.07 141–5 3.8b **¶601863768**
MAN IX 18 17 35 10.2 5.48N 126.41E 116 4.6b,3.5L
IDC IX 18 17 35 12.6–1.1 5.74N 126.55E 145–10 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.0km az=154.3.
IDC Error ellipse: s-maj=42.1km s-min=11.1km az=70.0.
MAN IX 18 18 07 36.2 9.06N 125.71E 86 4.3b,3.1L
¶604684421

MAN IX 19 03 13 22.4 8.52N 125.62E 1 4.4b,3.3L
¶604684422

IDC IX 19 12 43 52.7–3.2 5.44N 126.65E 73–25 3.5,3.4
¶601863828

IDC Error ellipse: s-maj=104.3km s-min=15.2km az=68.0.
ISC IX 19 15 34 03.4–.93 8.54N–.04 126.56E–.08 68–8 4.0b 45 0-145
ISCJB IX 19 15 34 01.7–.69 8.56N–.04 126.61E–.08 70–6 3.9b **¶601863834**
MAN IX 19 15 34 01.5 8.57N 126.62E 45 5.3b,4.6s
IDC IX 19 15 34 05.7–2.3 8.50N 126.59E 90–21 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.2km az=164.6.
IDC Error ellipse: s-maj=28.0km s-min=11.7km az=75.0.
MAN IX 19 16 18 20.4 8.77N 125.87E 76 4.3b,3.2L
¶604684428

MAN IX 20 01 21 02.7 7.93N 125.06E 17 4.1b,2.9L
¶604684432

ISC IX 20 16 13 15.7–.64 5.06N–.05 126.46E–.08 10 4.2b 30 1-44
MAN IX 20 16 13 15.7 5.09N 126.65E 2 5.0b,4.1s **¶601846440**
ISCJB IX 20 16 13 16.4–.43 5.00N–.05 126.37E–.09 10 4.3b,2.7s
IDC IX 20 16 13 17.7–2.1 4.57N 125.69E 0 3.9L,3.8
NEIC IX 20 16 13 20.7–.56 4.85N 125.87E 35 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=4.1km az=153.7.
IDC Error ellipse: s-maj=94.2km s-min=25.9km az=79.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.5km az=79.0.
ISC IX 20 21 21 05.0–.28 6.00N–.03 126.45E–.03 103–2 5.3b 1068 1-172
MOS IX 20 21 21 03.5–.95 6.04N 126.44E 104 5.3b **¶601735542**
MAN IX 20 21 21 03.1 5.84N 126.56E 79 5.9b,5.5s
IDC IX 20 21 21 03.6–.52 6.05N 126.41E 92–4 5.1,4.9
BJI IX 20 21 21 04.6 6.00N 126.40E 106 5.0b,5.0b
ISCJB IX 20 21 21 05.5–.24 6.00N–.01 126.43E–.02 122–2 5.2b,5.0b
GCMT IX 20 21 21 05.4–.10 5.97N–.01 126.55E–.01 91–1 5.4W,5.0b
NEIC IX 20 21 21 05.4–.43 6.00N 126.38E 106–4 5.3b,5.0b
DJA IX 20 21 21 06.4–.30 6N–3.0 126E–2.0 102–3 6.0,5.8b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c160; s125,c223;Duration: 1$2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.03 $M_{\theta\theta}$0.41±.02; $M_{\phi\phi}$-0.96±.03; $M_{r\theta}$-0.36±.01; $M_{\theta\phi}$-0.75±.02; $M_{\phi r}$1.13±.02; Best double couple: NP1:ϕ_s348.00000°,δ78.00000°,λ54.00000°. NP2:ϕ_s242.00000°,δ38.00000°,λ160.00000°. Principal axes: T 1.5720,Plg45.0000° ,Azm222.0000°; N 0.1160,Plg35.0000°,Azm357.0000°; P -1.6880,Plg24.0000° ,Azm106.0000° M_o1.63000×10^{17}
NEIC Event type fe. Felt [IV PIVS] at Cateel, Mati, San Isidro and Sigaboy; [III PIVS] at Davao; [II PIVS] at Compostela, Magugpo, Malita and Manay. Also felt at Polomolok.
MAN IX 20 22 41 42.3 9.96N 126.49E 30 4.0b,2.7L
¶604684440

MAN IX 20 23 59 09.8 9.48N 126.74E 0 3.9b,2.7L
¶604684441

MAN IX 21 00 52 36.1 9.67N 126.90E 15 4.5b,3.4L
¶604684443

ISC IX 21 01 30 56.1–1.8 9.82N–.05 126.60E–.07 9–11 3.7b 25 1-86
IDC IX 21 01 30 46.0–1.5 8.01N 125.71E 0 4.0,3.8 **¶601863931**
MAN IX 21 01 30 55.0 9.72N 126.72E 1 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=138.1km s-min=19.5km az=74.0.
ISC IX 21 05 01 57.7–.89 9.71N–.03 126.45E–.06 61–8 4.6b 192 1-150
IDC IX 21 05 01 48.7–.57 9.64N 126.40E 0 4.4,4.3 **¶601735554**
BJI IX 21 05 01 50.0 9.36N 126.36E 29 4.7b,4.6b
MOS IX 21 05 01 52.5–1.1 9.68N 126.32E 33 4.7b,4.6b
MAN IX 21 05 01 55.1 9.78N 126.91E 14 5.4b,4.7s
ISCJB IX 21 05 01 57.2–.49 9.69N–.03 126.35E–.04 73–4 4.4b,4.7s
NEIC IX 21 05 02 01.4–.97 9.63N 126.25E 96–9 4.7b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=12.6km az=75.0.
MOS Error ellipse: s-maj=13.5km s-min=6.8km az=118.1.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=160.2.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.2km az=78.0.
ISC IX 21 06 29 38.1–1.9 9.73N–.04 126.85E–.08 15–12 4.0b 30 1-87
IDC IX 21 06 29 35.5–1.5 9.78N 126.96E 0 4.1,3.9b **¶601863941**
ISCJB IX 21 06 29 37.1–2.2 9.80N–.04 126.97E–.06 22–16 3.9b,3.9b
ISC Event type ke.
ISCJB Event type ke.
MAN IX 21 07 05 47.3 6.68N 123.46E 18 5.0b,4.0s
¶604684444

MAN IX 21 09 37 19.6 9.28N 125.79E 21 4.1b,2.9L
¶604684445

ISC IX 21 11 12 14.8–1.4 9.77N–.04 126.67E–.08 49–13 4.2b,3.3s 70 1-89
MAN IX 21 11 12 12.2 9.78N 126.76E 44 5.2b,4.3s **¶601863949**
IDC IX 21 11 12 12.2–4.9 9.68N 126.46E 26–32 4.1,4.1
ISCJB IX 21 11 12 13.1–.81 9.75N–.03 126.69E–.06 55–7 4.2b,3.3s
NEIC IX 21 11 12 19.7–1.7 9.73N 126.68E 100–16 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=14.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=169.6.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.0km az=73.0.
ISC IX 21 15 25 04.1–1.4 9.71N–.04 126.60E–.08 55–13 4.1b,4.0s 94 1-146
MAN IX 21 15 24 59.3 9.74N 126.89E 86 5.6b,5.1s **¶601863925**
ISCJB IX 21 15 25 02.2–.80 9.73N–.03 126.64E–.06 50–6 4.1b,3.9s
IDC IX 21 15 25 02.0–4.2 9.68N 126.50E 33–32 5.5L,4.2
NEIC IX 21 15 25 10.4–1.6 9.68N 126.34E 114–15 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.3km az=162.9.
IDC Error ellipse: s-maj=28.9km s-min=12.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.8km az=73.0.
ISC IX 21 15 26 55.4–1.6 9.77N–.04 126.71E–.05 17–10 4.3b 79 1-146
MAN IX 21 15 26 52.5 9.77N 126.99E 28 5.7b,5.2s **¶601863956**
IDC IX 21 15 26 52.7–.57 9.72N 126.40E 0 4.4,4.4L
NEIC IX 21 15 27 03.9–1.7 9.67N 126.37E 94–17 4.6b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=12.5km az=74.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=70.0.
MAN IX 21 18 02 32.3 6.29N 126.30E 44 5.0b,4.0s
¶604684447

ISC IX 21 19 35 36.3–2.0 6.36N–.06 124.00E–.07 13–13 3.6b 17 1-57
MAN IX 21 19 35 34.7 6.34N 123.87E 1 5.2b,4.4s **¶601863965**
IDC IX 21 19 35 40.8–1.2 5.82N 124.48E 0 3.8,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=17.9km az=96.0.
MAN IX 21 21 17 23.5 9.70N 126.71E 14 4.7b,3.5L
¶604684450

MAN IX 21 22 54 52.8 9.72N 126.52E 15 4.9b,3.8L
¶604684451

ISC IX 22 06 28 07.9–.97 9.76N–.03 126.56E–.06 46–9 4.5b 154 1-150
IDC IX 22 06 28 01.3–.49 9.75N 126.44E 0 4.5,4.5 **¶601767266**
MAN IX 22 06 28 03.3 9.85N 126.72E 6 5.1b,4.2s
DJA IX 22 06 28 05.0–.80 10N–8.0 127E–7.0 25–4 5.7b,5.2
ISCJB IX 22 06 28 08.6–.56 9.71N–.03 126.45E–.05 68–5 4.3b,5.2
NEIC IX 22 06 28 11.3–.76 9.66N 126.36E 77–7 4.6b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=10.9km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.1km az=163.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=74.0.
MAN IX 22 13 11 54.9 7.87N 124.91E 1 4.2b,3.0L
¶604684456

MAN IX 22 14 56 48.0 7.33N 125.72E 3 3.9b,2.6L
¶604684457

MAN IX 22 15 56 19.2 8.06N 125.26E 15 4.1b,3.0L
¶604684458

ISC IX 22 16 46 18.0–1.3 6.83N–.04 123.64E–.03 1–9 3.7b 34 1-56
MAN IX 22 16 46 17.5 6.82N 123.63E 1 4.9b,3.9s **¶601864001**
IDC IX 22 16 46 31.3–1.7 6.94N 124.53E 123–19 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=14.0km az=69.0.
ISC IX 22 22 34 15.7–1.8 9.68N–.04 126.72E–.08 30–13 4.0b 34 1-94
MAN IX 22 22 34 13.3 9.65N 126.91E 32 4.6b,3.5L **¶601864010**
IDC IX 22 22 34 26.5–3.5 9.61N 126.25E 125–31 4.2,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=12.6km az=69.0.
MAN IX 23 00 58 52.4 9.10N 125.57E 78 4.4b,3.2L
¶604684461

MAN IX 23 02 01 17.7 9.65N 126.72E 13 4.7b,3.6L
¶604684462

MAN IX 23 12 19 51.7 7.67N 125.03E 32 4.5b,3.4L
¶604684463

MAN IX 23 18 33 55.3 6.43N 123.53E 6 4.8b,3.7L
¶604684465

ISC IX 24 00 28 02.4–.46 5.59N–.03 126.61E–.04 71–3 5.1b 662 1-170
MAN IX 24 00 27 56.7 5.18N 126.69E 59 5.1b,4.2s **¶601738425**
BJI IX 24 00 27 57.4 5.70N 126.60E 25 5.0b,5.0b
MOS IX 24 00 27 57.0–1.0 5.61N 126.40E 38 5.3b,5.0b
KLM IX 24 00 28 00.0 5.84N 127.04E 82 5.1b,5.0b
ISCJB IX 24 00 28 02.0–.32 5.64N–.02 126.64E–.03 85–2 5.0b,5.0b
GCMT IX 24 00 28 01.9–.20 5.67N–.01 126.54E–.02 69–2 5.0W,5.0b
NEIC IX 24 00 28 01.9–.58 5.63N 126.54E 69–5 5.1b,5.0b
IDC IX 24 00 28 02.1–.90 5.55N 126.55E 70–7 4.9,4.7
DJA IX 24 00 28 04.6–.40 6N–3.0 127E–2.0 82–3 5.8,5.4b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c75; s80,c108;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.15 $M_{\theta\theta}$-3.11±.12; $M_{\phi\phi}$1.81±.15; $M_{r\theta}$-0.83±.10; $M_{\theta\phi}$-3.04±.11; $M_{\phi r}$2.03±.10; Best double couple: NP1:ϕ_s24.00000°,δ68.00000°,λ26.00000°. NP2:ϕ_s284.00000°,δ66.00000°,λ156.00000°. Principal axes: T 4.6810,Plg33.0000° ,Azm245.0000°; N -0.1180,Plg57.0000°,Azm62.0000°; P -4.5630,Plg1.0000°,Azm154.0000° M_o4.62200×10^{16}
NEIC Event type fe. Felt [II PIVS] at Mati.
ISC IX 25 00 28 54.5–.71 9.83N–.06 126.68E–.09 42 3.8b 25 1-146
IDC IX 25 00 28 48.8–.80 9.79N 126.39E 0 4.0,3.9b **¶601864126**
ISCJB IX 25 00 28 52.3–.60 9.82N–.06 126.77E–.06 42 3.8b,3.0s
MAN IX 25 00 28 56.4 9.73N 126.37E 28 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=15.1km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.5km az=32.4.
ISC IX 25 09 59 18.6–.33 9.74N–.04 126.70E–.06 43 4.4b,3.8s 130 1-146
IDC IX 25 09 59 12.2–.42 9.69N 126.50E 0 4.4,4.3 **¶601739430**
MAN IX 25 09 59 13.5 9.78N 126.90E 15 5.4b,4.7s
BJI IX 25 09 59 15.2 9.61N 126.74E 37 4.8b,4.6b
ISCJB IX 25 09 59 16.5–.22 9.69N–.03 126.68E–.04 43 4.4b,3.8s
NEIC IX 25 09 59 19.5–1.0 9.73N 126.62E 54–10 4.6b,3.8s
DJA IX 25 09 59 32.1–.90 10N–7.0 127E–5.0 172–7 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 25 10 41 26.6–.65 9.76N–.03 126.73E–.05 46–6 4.7b,4.1s 278 1-164
IDC IX 25 10 41 20.2–.39 9.75N 126.56E 0 4.6,4.5 **¶601739433**
MAN IX 25 10 41 20.8 9.78N 126.90E 19 5.2b,4.9s
MOS IX 25 10 41 23.0–1.1 9.73N 126.64E 33 4.8b,4.1s
ISCJB IX 25 10 41 25.1–.59 9.78N–.02 126.78E–.03 50–5 4.6b,4.2s
NEIC IX 25 10 41 26.7–.75 9.74N 126.65E 49–7 4.9b,4.2s
BJI IX 25 10 41 27.1 9.85N 126.77E 61 5.0b,4.7b
DJA IX 25 10 41 28.1–.70 10N–5.0 127E–3.0 42–5 5.3b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 25 12 48 42.7–1.9 9.68N–.07 126.6E–.10 43–18 4.1b 44 1-89
IDC IX 25 12 48 36.7–.65 9.80N 126.53E 0 4.2,4.1 **¶601864152**
ISCJB IX 25 12 48 41.4–1.2 9.69N–.05 126.64E–.07 49–10 4.0b,4.1
MAN IX 25 12 48 41.2 9.64N 126.65E 24 4.6b,3.5L
NEIC IX 25 12 48 43.0–1.9 9.72N 126.48E 44–18 4.4b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=11.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.0km az=150.1.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.2km az=65.0.
ISC IX 25 13 20 18.3–.85 9.79N–.06 126.73E–.09 41 3.9b 28 1-87
IDC IX 25 13 20 12.1–1.3 9.91N 127.07E 0 4.1,4.0b **¶601780629**
ISCJB IX 25 13 20 16.3–.54 9.75N–.04 126.78E–.06 41 3.8b,2.5s
MAN IX 25 13 20 16.6 9.70N 126.69E 21 4.6s,4.3b
NEIC IX 25 13 20 17.4–2.6 9.87N 127.10E 39–23 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=99.0km s-min=15.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=173.1.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=8.8km az=77.0.
ISC IX 25 13 37 37.2–.38 9.81N–.04 126.58E–.06 42 4.3b 115 2-155
BJI IX 25 13 37 30.5 9.80N 126.50E 10 5.0b,4.5b **¶601739652**
IDC IX 25 13 37 31.4–.48 9.77N 126.19E 0 4.6L,4.4
ISCJB IX 25 13 37 35.4–.26 9.85N–.03 126.64E–.04 42 4.2b,3.3s
MAN IX 25 13 37 35.1 9.72N 126.71E 32 4.8b,3.8L
NEIC IX 25 13 37 36.5–.25 9.78N 126.35E 35 4.5b,3.8L
DJA IX 25 13 37 37.3–1.3 10N–10 126E–6.0 47–10 5.9b,5.5

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 25 14 12 52.0–.55 9.73N–.04 126.64E–.05 10 3.8b,3.4s 40 1-89
ISCJB IX 25 14 12 49.3–.39 9.79N–.05 126.84E–.05 10 3.8b,3.4s **¶601780631**
IDC IX 25 14 12 50.0–.60 9.68N 126.34E 0 4.5L,4.0
NEIC IX 25 14 12 55.8–1.1 9.67N 126.38E 43–10 4.3b,4.0
MAN IX 25 14 12 55.7 9.72N 126.50E 14 4.7b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=141.2.
IDC Error ellipse: s-maj=30.7km s-min=12.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.2km az=66.0.
MAN IX 26 01 18 46.5 9.69N 126.23E 1 4.3b,3.1L
¶604684472
MAN IX 26 03 56 35.2 6.11N 125.07E 56 4.4b,3.3L
¶604684473
ISC IX 26 08 49 09.6–.83 6.04N–.04 126.25E–.07 78–8 3.9b 47 1-142
ISCJB IX 26 08 49 08.6–.41 6.03N–.03 126.27E–.05 86–6 3.9b **¶601740452**
MAN IX 26 08 49 08.8 5.97N 126.24E 42 4.9b,3.9L
DJA IX 26 08 49 09.7–1.0 6N–3.0 126E–5.0 30–8 5.4b,4.9
IDC IX 26 08 49 10.8–1.0 6.03N 126.20E 94–10 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.9km az=174.3.
IDC Error ellipse: s-maj=46.8km s-min=12.4km az=70.0.
MAN IX 26 11 01 55.1 9.73N 126.33E 10 4.5b,3.3L
¶604684474
MAN IX 26 12 52 09.9 7.96N 124.95E 1 4.7b,3.6L
¶604684475
ISC IX 26 19 23 00.0–1.2 9.80N–.04 126.77E–.07 46–12 4.0b,3.4s 59 1-146
IDC IX 26 19 22 53.7–.62 9.74N 126.57E 0 4.2,4.1 **¶601741082**
ISCJB IX 26 19 22 58.9–.86 9.76N–.03 126.73E–.07 56–8 4.0b,3.4s
NEIC IX 26 19 22 58.8–.44 9.78N 126.67E 35 4.0b,3.4s
MAN IX 26 19 22 59.2 9.75N 126.70E 32 5.3b,4.5s
DJA IX 26 19 23 10.2–1.6 9N–14 127E–7.0 49–11 4.6,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN IX 27 03 55 20.6 6.64N 123.82E 5 3.9b,2.6L
¶604684477
MAN IX 27 04 46 41.5 9.70N 126.68E 27 4.4b,3.3L
¶604684478
MAN IX 27 10 08 30.3 8.29N 126.14E 49 4.7b,3.6L
¶604684482
ISC IX 27 19 21 29.2–1.9 9.81N–.04 126.68E–.07 17–12 4.4b,3.6s 35 1-146
IDC IX 27 19 21 26.8–.91 9.91N 126.61E 0 4.2,4.2b **¶601845970**
MAN IX 27 19 21 30.1 9.81N 126.69E 16 4.9b,3.8L
NEIC IX 27 19 21 31.9–.48 9.88N 126.59E 35 4.4b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=18.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=9.1km az=68.0.
IDC IX 28 10 27 57.7–2.0 6.10N 123.55E 0 3.8,3.6
¶601864353
IDC Error ellipse: s-maj=145.3km s-min=25.6km az=66.0.
MAN IX 28 11 13 22.6 6.15N 125.23E 179 4.8b,3.7L
¶604684487
IDC IX 28 12 33 06.3–2.4 5.72N 126.98E 0 3.7,3.5b
¶601864355
IDC Error ellipse: s-maj=191.0km s-min=25.9km az=66.0.
MAN IX 28 13 40 36.1 6.78N 124.99E 33 4.5b,3.3L
¶604684488
ISC IX 28 16 11 03.6–1.3 7.80N–.03 124.90E–.03 1–10 3.8b 30 0-56
ISCJB IX 28 16 11 04.0–.85 7.85N–.03 124.94E–.04 5–6 3.6b **¶601864359**
IDC IX 28 16 11 03.7–1.1 7.64N 124.66E 0 3.9,3.7
MAN IX 28 16 11 04.1 7.90N 124.92E 1 4.9b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=11.1.
IDC Error ellipse: s-maj=32.7km s-min=11.6km az=37.0.
MAN IX 28 20 50 30.0 9.62N 126.54E 5 4.1b,2.9L
¶604684491
MAN IX 28 21 01 14.1 9.62N 126.00E 10 3.7b,2.4L
¶604684492
ISC IX 28 21 19 56.1–1.1 9.77N–.04 126.45E–.07 59–11 4.1b,3.2s 57 1-146
IDC IX 28 21 19 48.4–.58 9.82N 126.41E 0 4.3,4.2 **¶601864367**
MAN IX 28 21 19 52.5 9.74N 126.57E 15 4.7b,3.6s
ISCJB IX 28 21 19 54.1–.82 9.80N–.04 126.58E–.07 60–8 4.0b,3.6s
NEIC IX 28 21 19 56.5–1.4 9.82N 126.44E 62–13 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=12.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.1km az=161.7.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.0km az=75.0.
MAN IX 29 01 00 38.9 9.35N 125.42E 1 4.8b,3.7L
¶604684495
ISC IX 29 13 11 41.1–1.4 6.42N–.06 126.47E–.09 47–15 3.6b 22 1-55
IDC IX 29 13 11 32.8–1.8 6.75N 126.90E 0 4.0,3.8b **¶601857489**
MAN IX 29 13 11 37.3 6.26N 126.53E 16 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=18.9km az=44.0.
MAN IX 30 15 28 39.9 8.47N 125.73E 69 5.0b,4.0s
¶604684500
ISC IX 30 19 39 54.1–1.8 9.77N–.03 126.67E–.07 0–10 3.9b 32 1-97
IDC IX 30 19 39 54.9–1.0 9.95N 126.61E 0 4.7L,4.3 **¶601857545**
MAN IX 30 19 39 59.5 9.70N 126.56E 14 4.9b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=14.9km az=78.0.
ISC IX 30 21 02 49.6–1.2 6.19N–.06 126.15E–.07 50–10 3.5b 23 0-86
ISCJB IX 30 21 02 49.0–.73 6.21N–.05 126.13E–.06 58–7 3.6b **¶601857551**
MAN IX 30 21 02 50.7 6.40N 126.24E 44 3.6b
IDC IX 30 21 02 51.6–1.6 6.35N 126.10E 69–18 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.2km az=28.8.
IDC Error ellipse: s-maj=52.9km s-min=17.7km az=80.0.
ISC X 01 10 30 38.8–.83 6.05N–.04 126.25E–.08 98–8 4.1b 40 1-122
MAN X 01 10 30 36.7 5.91N 126.23E 97 4.8b,3.7L **¶601776124**
ISCJB X 01 10 30 37.9–.44 6.06N–.03 126.22E–.06 103–5 3.9b,3.7L
IDC X 01 10 30 38.6–.96 6.06N 126.10E 101–8 4.2,4.0
DJA X 01 10 30 39.8–.50 6N–4.0 126E–4.0 72–9 5.0b,4.8
ISC Event type ke.
ISCJB Event type ke.
MAN X 01 18 53 43.5 6.35N 126.63E 119 4.8b,3.7L
¶604684502
ISC X 02 04 19 05.2–.99 5.55N–.09 126.6E–.20 66 3.6b 13 1-122
IDC X 02 04 18 56.4–1.4 5.71N 126.35E 0 4.0,3.8b **¶601996761**
ISCJB X 02 04 19 04.6–.83 5.51N–.08 126.6E–.20 66 3.6b,3.8b
MAN X 02 04 19 04.4 5.50N 126.59E 68 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=114.3km s-min=21.7km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=23.9km s-min=8.3km az=160.7.
ISC X 02 06 25 32.2–.38 8.26N–.02 123.20E–.03 43–3 5.2b,4.4s 636 0-166
BJI X 02 06 25 27.6 8.03N 123.61E 43 5.2b,5.1b **¶601776163**
MAN X 02 06 25 28.9 8.19N 123.08E 24 5.8b,5.2s
GCMT X 02 06 25 30.6–.20 8.25N–.01 123.06E–.01 25–1 5.1W,5.2s
MOS X 02 06 25 31.2–.95 8.40N 123.36E 51 5.6b,4.4s
ISCJB X 02 06 25 31.4–.27 8.30N–.01 123.30E–.02 53–2 5.2b,4.4s
NEIC X 02 06 25 32.6–.49 8.30N 123.29E 52–4 5.3b,4.4s
DJA X 02 06 25 34.2–.50 8N–3.0 123E–2.0 46–4 5.5,5.5b
IDC X 02 06 25 36.0–1.7 8.34N 123.35E 80–15 5.1,4.8
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c79; s108,c176;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.16 $M_{\theta\theta}$3.24±.13; $M_{\phi\phi}$-4.83±.14; $M_{r\theta}$2.10±.31; $M_{\theta\phi}$3.78±.11; $M_{\phi r}$1.83±.33; Best double couple: NP1:ϕ_s19.00000°,δ75.00000°,λ153.00000°. NP2:ϕ_s117.00000°,δ64.00000°,λ17.00000°. Principal axes: T 6.2420,Plg30.0000°
,Azm336.0000°; N 0.2090,Plg59.0000°,Azm172.0000°; P -6.4400,Plg7.0000°,Azm70.0000°
M_o6.34100×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=117.3.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=174.9.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=82.0. Felt [IV PIVS] at Pagadian and Sindangan; [III PIVS] at Labason, Oroquieta, Polanco and Zamboanga City; [II PIVS] at Dipolog, Lugait, Manucan and Tampilisan; [I PIVS] at Cagayan de Oro. Also felt at Clarin, Dumalinao, Linamon, Ozamiz City, Sergio Osmena Sr. and Tangub. Felt [III PIVS] at Dumaguete and Sibulan, Negros. Also felt at Dauin and Siaton. Felt [I PIVS] at Cebu City, Cebu and at Iloilo, Panay. Also felt on Siquijor Island.
IDC Error ellipse: s-maj=12.9km s-min=8.3km az=75.0.
MAN X 02 10 55 47.5 8.15N 122.90E 12 3.7b,2.4L
¶604684505
MAN X 02 16 04 20.3 9.62N 124.31E 1 4.2b,3.0L
¶604684507
MAN X 02 17 45 50.5 7.43N 126.86E 50 4.4b,3.3L
¶604684508
MAN X 02 19 29 17.7 7.99N 126.45E 17 3.9b,2.7L
¶604684509
ISC X 02 22 10 35.0–1.2 8.06N–.04 126.60E–.08 69–11 3.8b 42 1-88
IDC X 02 22 10 27.1–.79 8.35N 126.66E 0 4.5L,4.1 **¶601996859**
ISCJB X 02 22 10 33.9–.72 8.08N–.03 126.59E–.07 76–7 3.7b,4.1
MAN X 02 22 10 33.2 7.98N 126.58E 82 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=14.9km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.9km az=171.7.
MAN X 02 23 05 40.5 6.37N 126.13E 33 4.2b,3.0L
¶604684510
MAN X 03 17 07 50.1 6.82N 125.74E 25 4.1b,2.9L
¶604684511
ISC X 03 18 28 33.7–.39 5.85N–.03 127.00E–.04 150–3 5.3b 987 1-171
BJI X 03 18 28 29.0 5.56N 127.12E 145 5.5b,5.1b **¶601780668**
GCMT X 03 18 28 30.9–.20 5.90N–.01 126.99E–.02 143–2 5.0W,5.1b
ISCJB X 03 18 28 32.4–.26 5.86N–.02 126.99E–.02 150–2 5.2b,5.1b
IDC X 03 18 28 33.9–.61 5.84N 126.95E 152–4 5.3,5.0
MOS X 03 18 28 33.5–.93 5.89N 126.91E 159 5.4b,5.0
NEIC X 03 18 28 33.9–.57 5.86N 126.95E 150–5 5.4b,5.0
DJA X 03 18 28 35.8–.70 6N–7.0 127E–4.0 104–11 5.8,5.6b
MAN X 03 18 28 41.6 6.54N 126.62E 162 5.8b,5.3s
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c57; s102,c167;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.11 $M_{\theta\theta}$-3.38±.12; $M_{\phi\phi}$-0.04±.13; $M_{r\theta}$2.42±.10; $M_{\theta\phi}$1.90±.13; $M_{\phi r}$0.60±.11; Best double couple: NP1:ϕ_s93.00000°,δ62.00000°,λ67.00000°. NP2:ϕ_s316.00000°,δ36.00000°,λ127.00000°. Principal axes: T 4.5070,Plg65.0000°
,Azm322.0000°; N 0.2260,Plg21.0000°,Azm105.0000°; P -4.7350,Plg14.0000°
,Azm200.0000° M_o4.62100×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=160.5.
IDC Error ellipse: s-maj=8.8km s-min=5.7km az=65.0.
MOS Error ellipse: s-maj=7.3km s-min=4.0km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=73.0. Felt [II PIVS] at Mati.
ISC X 04 07 22 59.4–1.3 7.43N–.04 125.98E–.06 24–11 3.9b 20 1-54
MAN X 04 07 22 55.5 7.30N 126.22E 79 4.8b,3.7L **¶601997010**
IDC X 04 07 22 57.5–1.3 6.92N 125.02E 0 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=14.8km az=147.0.
MAN X 04 10 28 48.1 7.43N 126.18E 4 4.2b,3.0L
¶604684513
ISC X 04 14 45 32.1–.54 9.86N–.03 126.49E–.04 49–4 4.7b,4.5s 329 1-170
BJI X 04 14 45 21.2 9.38N 126.46E 10 5.1b,4.8s **¶601782845**
IDC X 04 14 45 25.0–.34 9.85N 126.33E 0 4.7,4.7
MOS X 04 14 45 27.4–.79 9.74N 126.29E 33 5.1b,4.7s
MAN X 04 14 45 28.5 9.86N 126.61E 19 5.8b,5.2s
ISCJB X 04 14 45 30.9–.47 9.88N–.02 126.53E–.03 59–4 4.7b,4.5s
NEIC X 04 14 45 30.2–.18 9.83N 126.34E 35 4.9b,4.5s
GCMT X 04 14 45 31.2–.20 9.84N–.01 126.57E–.01 16–0 5.2W,4.5s
DJA X 04 14 45 33.6–1.0 10N–6.0 127E–5.0 92–8 5.8,5.4b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Madrid.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c100; s103,c165;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$0.75±.06; Best double couple: NP1:ϕ_s356.00000°,δ73.00000°,λ93.00000°. NP2:ϕ_s166.00000°,δ17.00000°,λ80.00000°. Principal axes: T 0.8700,Plg62.0000°
,Azm271.0000°; N 0.0540,Plg3.0000°,Azm175.0000°; P -0.9240,Plg28.0000°,Azm84.0000°
M_o0.89700×10^{17}
ISC X 04 14 53 10.3–2.4 9.80N–.05 126.5E–.10 31–17 3.9b 29 1-86
IDC X 04 14 53 05.8–.72 9.83N 126.42E 0 4.1,4.1 **¶601997045**
ISCJB X 04 14 53 09.1–1.4 9.86N–.05 126.72E–.09 39–13 3.9b,4.1
MAN X 04 14 53 11.1 9.92N 126.42E 15 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=13.0km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=7.8km az=1.7.
ISC X 04 14 55 24.8–1.5 9.87N–.03 126.55E–.05 10–9 4.1b 73 1-146
IDC X 04 14 55 23.1–.45 9.86N 126.42E 0 4.3L,4.2 **¶601782846**
MAN X 04 14 55 25.2 9.83N 126.70E 14 5.2b,4.3s
NEIC X 04 14 55 28.2–.33 9.89N 126.54E 35 4.0b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=9.8km az=75.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.9km az=87.0.
ISC X 04 17 03 12.5–.38 5.53N–.03 126.15E–.04 99–3 4.7b 117 1-159
BJI X 04 17 03 09.2 5.70N 126.40E 86 5.2b,5.0b **¶601782850**
MAN X 04 17 03 11.3 5.48N 126.20E 71 5.7b,5.1s
GCMT X 04 17 03 12.1–.30 5.66N–.02 126.11E–.03 90–5 4.8W,5.1s
ISCJB X 04 17 03 12.3–.30 5.58N–.02 126.13E–.04 117–2 4.6b,5.1s
IDC X 04 17 03 13.0–1.1 5.58N 125.93E 110–10 4.7,4.5
NEIC X 04 17 03 14.1–.88 5.59N 125.91E 120–8 4.9b,4.5
DJA X 04 17 03 16.8–.40 5N–4.0 126E–3.0 51–11 5.5,5.4b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s70,c100;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.57±.11 $M_{\theta\theta}$0.97±.12; $M_{\phi\phi}$-1.55±.11; $M_{r\theta}$1.25±.05; $M_{\theta\phi}$1.04±.10; $M_{\phi r}$-0.41±.07; Best double couple: NP1:ϕ_s120.00000°,δ78.00000°,λ41.00000°. NP2:ϕ_s21.00000°,δ50.00000°,λ165.00000°. Principal axes: T 2.1230,Plg36.0000°
,Azm349.0000°; N 0.0610,Plg48.0000°,Azm134.0000°; P -2.1880,Plg18.0000°
,Azm245.0000° M_o2.15500×10^{16}
ISCJB Event type se.
NEIC Event type se.
ISC X 04 17 37 20.9–1.2 5.36N–.09 126.4E–.10 66 3.3b 12 1-56
IDC X 04 17 37 10.6–2.5 5.74N 126.54E 0 3.6,3.4 **¶601997055**
ISCJB X 04 17 37 20.8–.88 5.30N–.08 126.4E–.10 66 3.2b,3.4
MAN X 04 17 37 22.4 5.59N 126.55E 8 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=168.0km s-min=25.8km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=7.4km az=148.9.
MAN X 04 20 49 59.3 9.82N 126.30E 5 3.9b,2.7L
¶604684514
ISC X 05 05 50 32.4–1.5 9.79N–.03 126.52E–.06 26–11 4.6b,3.5s 72 1-116
IDC X 05 05 50 28.2–.96 9.86N 126.50E 0 4.4,4.4b **¶601833141**
MAN X 05 05 50 30.0 9.77N 126.67E 6 5.2b,4.2s
ISCJB X 05 05 50 31.7–.36 9.79N–.04 126.63E–.04 33 4.6b,3.6s
NEIC X 05 05 50 34.0–.35 9.87N 126.45E 35 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=15.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.1km az=14.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.6km az=77.0.
IDC X 05 06 55 42.0–2.9 5.98N 124.11E 539–33 4.1,3.2
¶601997106
IDC Error ellipse: s-maj=68.3km s-min=12.9km az=59.0.
MAN X 05 07 15 35.5 6.81N 126.72E 24 4.5b,3.4L

¶604684516
ISC X 05 16 10 05.1–1.1 9.88N–.03 126.46E–.08 21–8 4.0b 38 1-86
IDC X 05 16 10 01.9–.79 9.84N 126.40E 0 4.2,4.1b ¶601997171
MAN X 05 16 10 08.1 9.95N 126.39E 18 5.0b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=13.6km az=71.0.
MAN X 05 17 26 24.6 9.62N 125.79E 9 4.5b,3.4L
¶604684518
MAN X 05 17 39 12.3 6.23N 125.04E 34 4.5b,3.3L
¶604684519
MAN X 05 19 34 20.9 7.78N 125.01E 46 4.4b,3.3L
¶604684521
MAN X 06 05 34 11.1 9.88N 125.26E 32 3.6b,2.3L
¶604684565
MAN X 06 13 58 38.8 9.54N 125.86E 14 4.7b,3.5L
¶604684567
MAN X 07 03 01 28.0 8.53N 124.52E 32 4.3b,3.1L
¶604684570
MAN X 07 16 11 27.2 6.86N 124.47E 221 5.2b,4.3s
¶604684572
IDC X 07 20 00 55.2–1.8 5.83N 123.15E 0 3.5,3.4
¶601997412
IDC Error ellipse: s-maj=237.1km s-min=22.2km az=64.0.
MAN X 07 20 42 16.9 6.35N 124.99E 32 4.0b,2.8L
¶604684575
MAN X 08 15 57 24.6 5.88N 126.03E 115 5.1b,4.2s
¶604684580
IDC X 09 09 54 22.2–2.4 6.65N 122.54E 0 4.3,4.0
¶601997645
IDC Error ellipse: s-maj=303.9km s-min=26.3km az=63.0.
ISC X 09 13 23 00.1–1.1 9.76N–.05 126.7E–.10 42 3.6b 19 1-87
IDC X 09 13 22 53.6–2.1 9.88N 126.88E 0 3.9,3.7 ¶601997661
ISCJB X 09 13 22 58.3–.80 9.74N–.05 126.77E–.06 42 3.7b,3.7
MAN X 09 13 23 01.0 9.77N 126.54E 29 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=145.7km s-min=22.5km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.9km az=174.4.
ISC X 09 14 07 58.2–1.1 5.63N–.09 126.01E–.10 102–10 3.5b 18 1-56
ISCJB X 09 14 07 57.5–.76 5.64N–.08 126.02E–.09 107–10 3.4b ¶601997664
MAN X 09 14 07 57.1 5.75N 126.11E 125 4.8b,3.7L
IDC X 09 14 07 58.3–1.6 5.85N 126.16E 113–17 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=13.6km az=21.5.
IDC Error ellipse: s-maj=108.2km s-min=20.0km az=68.0.
ISC X 09 19 57 15.6–2.1 9.65N–.05 126.74E–.09 1–12 3.3b 22 1-87
IDC X 09 19 57 15.7–1.8 9.94N 126.80E 0 3.8,3.7b ¶601997688
MAN X 09 19 57 20.2 9.82N 126.60E 6 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=116.9km s-min=22.3km az=72.0.
ISC X 09 20 34 27.0–2.2 9.70N–.04 126.72E–.09 24–15 3.3b 27 1-94
IDC X 09 20 34 23.0–1.4 9.72N 126.69E 0 3.9,3.8 ¶601997691
MAN X 09 20 34 28.7 9.72N 126.63E 25 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=106.9km s-min=19.0km az=74.0.
MAN X 09 22 12 04.0 9.61N 126.64E 34 4.6b,3.5L
¶604684582
ISC X 10 06 49 13.3–.78 7.50N–.06 126.4E–.10 200 3.9b 25 1-88
ISCJB X 10 06 49 11.6–.58 7.56N–.06 126.5E–.10 200 3.8b ¶601997725
MAN X 10 06 49 16.8 7.74N 125.98E 195 4.5b,3.3L
IDC X 10 06 49 22.5–1.5 7.57N 126.87E 297–14 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=8.0km az=177.2.
IDC Error ellipse: s-maj=38.7km s-min=11.3km az=75.0.
MAN X 10 12 57 20.9 6.24N 124.77E 16 4.0b,2.8L
¶604684585
IDC X 10 18 47 38.5–3.3 5.96N 124.01E 561–42 3.8,3.0
¶601997796
IDC Error ellipse: s-maj=86.1km s-min=14.5km az=69.0.
ISC X 10 19 39 51.6–.94 5.85N–.08 126.15E–.09 108–9 3.2b 19 1-56
IDC X 10 19 39 49.2–3.0 6.52N 127.05E 110–24 3.4,3.3 ¶601997798
ISCJB X 10 19 39 50.5–.72 5.77N–.08 126.20E–.08 105–11 3.1b,3.3
MAN X 10 19 39 51.2 5.98N 126.33E 119 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=16.3km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=12.5km az=24.9.
MAN X 11 16 50 16.8 9.55N 126.04E 17 4.6b,3.5L
¶604684589
MAN X 12 09 12 11.7 8.74N 125.71E 3 4.4b,3.2L
¶604684590
MAN X 12 16 32 48.6 5.54N 126.13E 19 3.9b,2.7L
¶604684592
MAN X 12 21 51 43.5 5.30N 125.47E 25 4.5b,3.3L
¶604684594
MAN X 13 08 30 38.4 9.44N 125.51E 1 4.9b,3.8L
¶604684596
ISC X 13 11 36 25.5–.68 6.54N–.09 125.60E–.10 213–5 3.7b 31 0-121
ISCJB X 13 11 36 24.5–.44 6.54N–.07 125.60E–.09 217–3 3.7b ¶601874153
IDC X 13 11 36 25.2–.45 6.58N 125.55E 207–3 4.0,3.7
MAN X 13 11 36 26.4 7.74N 124.83E 3 4.3b,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=12.2km az=176.2.
IDC Error ellipse: s-maj=26.7km s-min=10.6km az=76.0.
MAN X 14 12 47 29.0 8.73N 126.26E 18 3.8b,2.5L
¶604684601
ISC X 15 15 55 02.0–.51 5.93N–.04 125.39E–.05 80–4 4.0b 92 0-96
ISCJB X 15 15 55 00.4–.27 6.00N–.02 125.44E–.04 81–3 4.0b ¶601834640
MAN X 15 15 55 01.0 5.94N 125.23E 75 5.0b,4.0s
DJA X 15 15 55 01.8–1.2 6N–9.0 125E–6.0 92–31 5.2b,5.1
NEIC X 15 15 55 02.3–.45 6.04N 125.50E 83–5 4.3b,5.1
IDC X 15 15 55 02.7–.68 5.94N 125.39E 88–5 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.8km az=171.8.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.6km az=79.0. Felt [II PIVS] at General Santos.
IDC Error ellipse: s-maj=20.7km s-min=8.1km az=87.0.
MAN X 15 18 21 48.6 6.96N 126.05E 29 3.8b,2.6L
¶604684609
ISC X 15 22 03 37.6–1.8 6.63N–.06 123.72E–.06 7–11 3.5b 23 1-57
IDC X 15 22 03 35.5–1.0 6.40N 123.61E 0 4.2L,3.9 ¶601998379
MAN X 15 22 03 38.6 6.64N 123.79E 10 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=17.8km az=59.0.
ISC X 15 23 35 30.0–1.4 8.94N–.04 126.35E–.09 58–14 3.9b 29 1-87
IDC X 15 23 35 21.1–1.1 9.26N 127.02E 0 4.6L,4.1 ¶601998385
MAN X 15 23 35 28.4 8.78N 126.26E 54 4.7b,3.6L
ISCJB X 15 23 35 30.3–.83 8.97N–.04 126.29E–.08 79–8 3.8b,3.6L
ISC Event type ke.
ISCJB Event type ke.
MAN X 16 01 02 57.0 6.46N 123.60E 1 4.5b,3.4L
¶604684610
MAN X 16 15 30 13.2 7.30N 123.80E 39 3.8b,2.6L
¶604684613
MAN X 16 17 30 04.7 7.81N 124.73E 22 3.9b,2.7L
¶604684614
MAN X 16 19 57 37.8 6.66N 126.55E 46 4.1b,2.9L
¶604684617
IDC X 17 05 23 36.0–3.2 6.80N 126.45E 0 3.7,3.6
¶601998623
IDC Error ellipse: s-maj=285.0km s-min=25.1km az=66.0.
ISC X 17 15 28 56.1–.80 5.96N–.07 125.71E–.09 130–7 3.2b 20 0-55
MAN X 17 15 28 52.7 7.14N 122.89E 63 4.6b,3.4L ¶601998682
ISCJB X 17 15 28 55.2–.56 5.96N–.07 125.76E–.09 130–6 3.2b,3.4L
IDC X 17 15 28 56.4–.90 6.23N 126.07E 140–9 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.4km az=150.3.
IDC Error ellipse: s-maj=68.4km s-min=15.1km az=60.0.
ISC X 18 16 10 24.8–1.1 5.73N–.05 126.65E–.08 63–10 4.1b 50 1-89
ISCJB X 18 16 10 22.4–.80 5.78N–.04 126.74E–.06 60–7 4.1b ¶601998826
IDC X 18 16 10 22.7–2.3 5.94N 127.12E 48–21 3.9,3.8L
NEIC X 18 16 10 23.8–.89 5.89N 126.88E 59–8 4.3b,3.8L
MAN X 18 16 10 23.0 5.56N 126.40E 138 4.8b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.0km az=151.8.
IDC Error ellipse: s-maj=35.1km s-min=11.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=5.2km az=68.0.
MAN X 18 22 37 35.7 6.57N 123.93E 35 3.5b,2.2L
¶604684624
MAN X 18 22 59 55.2 6.97N 123.11E 32 4.1b,2.8L
¶604684625
MAN X 19 16 36 04.2 5.87N 124.61E 30 4.0b,2.8L
¶604684627
ISC X 20 03 28 50.5–.94 6.81N–.06 126.41E–.08 10 3.8b 17 1-55
IDC X 20 03 28 48.0–1.4 7.04N 126.59E 0 4.0,3.8 ¶601999001
ISCJB X 20 03 28 49.0–.80 6.85N–.05 126.48E–.07 10 3.7b,3.8
MAN X 20 03 28 52.2 6.70N 126.32E 38 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=11.4km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.0km az=174.4.
MAN X 20 13 42 16.4 8.99N 122.65E 30 4.2b,3.0L
¶604684635
MAN X 21 16 36 40.3 6.47N 123.64E 5 5.2b,4.4s
¶604684641
MAN X 21 21 43 53.3 9.17N 126.30E 13 4.5b,3.4L
¶604684643
MAN X 22 09 57 28.1 6.26N 123.51E 15 3.8b,2.5L
¶604684646
MAN X 22 10 27 10.2 9.66N 125.40E 15 4.4b,3.2L
¶604684647
ISC X 23 15 17 20.8–1.1 9.77N–.04 126.65E–.06 52–10 4.5b,3.6s 126 1-146
MAN X 23 15 17 18.1 9.76N 126.67E 28 5.1b,4.1s ¶601843604
ISCJB X 23 15 17 19.1–.65 9.81N–.03 126.65E–.04 54–5 4.4b,3.7s
IDC X 23 15 17 19.6–6.3 9.70N 126.27E 33–48 4.9L,4.4
NEIC X 23 15 17 25.0–.89 9.70N 126.34E 88–8 4.6b,4.4
DJA X 23 15 17 32.1–1.1 10N–6.0 126E–7.0 138–8 5.2b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 23 15 36 57.2–1.0 9.73N–.03 126.57E–.06 55–10 4.3b 118 1-146
IDC X 23 15 36 50.2–.59 9.69N 126.32E 0 4.3,4.2 ¶601848499
MAN X 23 15 36 53.6 9.74N 126.72E 41 4.8b,3.7L
ISCJB X 23 15 36 55.4–.65 9.77N–.03 126.58E–.04 57–5 4.3b,3.4s
NEIC X 23 15 37 00.8–1.2 9.65N 126.38E 88–12 4.5b,3.4s
DJA X 23 15 37 13.2–.90 10N–6.0 126E–8.0 202–8 5.1b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN X 23 18 05 32.0 8.01N 123.57E 22 3.9b,2.7L
¶604684650
MAN X 23 18 59 26.7 7.94N 123.50E 19 3.8b,2.5L
¶604684651
MAN X 24 05 15 58.6 7.76N 123.08E 43 4.4b,3.2L
¶604684654
MAN X 24 08 13 12.5 7.16N 123.33E 9 4.9b,3.8L
¶604684655
ISC X 24 11 34 00.6–.97 9.10N–.03 125.38E–.05 52–9 3.0b 27 0-81
IDC X 24 11 33 48.5–2.5 9.23N 123.75E 0 4.9L,3.6 ¶601999480
ISCJB X 24 11 33 59.9–.47 9.11N–.03 125.42E–.05 61–6 3.1b,3.6
MAN X 24 11 34 00.7 9.11N 125.36E 27 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=103.1km s-min=29.6km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=166.6.
ISC X 24 14 24 16.2–.87 5.26N–.08 125.3E–.10 150 3.6b 14 1-56
MAN X 24 14 24 22.1 5.54N 125.67E 34 5.2b,4.2s ¶601999496
IDC X 24 14 24 30.8–16 5.10N 125.23E 324–183 4.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=104.3km s-min=16.4km az=54.0.
MAN X 24 16 16 39.9 7.42N 123.56E 33 4.2b,3.0L
¶604684656
MAN X 24 19 01 29.0 6.11N 124.91E 17 4.0b,2.7L
¶604684657
MAN X 25 08 21 26.8 6.63N 125.85E 8 4.9b,3.9L
¶604684658
MAN X 25 18 08 11.1 7.22N 123.91E 32 4.3b,3.1L
¶604684659
MAN X 26 16 59 24.4 7.27N 126.23E 36 4.5b,3.4L
¶604684663
MAN X 26 17 45 00.7 7.14N 125.36E 1 4.5b,3.3L
¶604684664
MAN X 26 18 16 11.6 5.77N 124.30E 33 4.9b,3.8L
¶604684665
MAN X 26 20 19 48.3 7.62N 125.50E 33 4.6b,3.5L
¶604684666
MAN X 28 17 22 59.5 6.51N 123.62E 1 4.6b,3.5L
¶604684672
MAN X 28 22 38 14.9 9.40N 125.53E 1 4.6b,3.5L
¶604684674
MAN X 29 10 21 16.8 9.53N 124.89E 33 4.1b,2.9L
¶604684676
MAN X 29 11 05 03.8 9.04N 126.40E 4 4.0b,2.8L
¶604684678
MAN X 29 15 02 01.0 9.09N 125.54E 51 4.0b,2.8L
¶604684681
MAN X 30 10 22 52.7 8.07N 126.73E 1 4.3b,3.1L
¶604684682
MAN X 31 15 31 59.3 9.27N 126.06E 55 4.1b,2.9L
¶604684686
MAN X 31 15 34 17.7 8.78N 126.12E 119 4.8b,3.7L
¶604684687
ISC X 31 20 14 39.0–1.4 6.52N–.07 126.9E–.10 111–13 3.5b 20 1-55
ISCJB X 31 20 14 39.6–1.0 6.44N–.07 126.8E–.10 128–10 3.5b ¶602000657
IDC X 31 20 14 40.5–3.8 6.46N 126.90E 122–30 3.8,3.5
MAN X 31 20 14 46.3 6.86N 126.40E 6 4.6b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=11.2km az=172.2.
IDC Error ellipse: s-maj=74.4km s-min=19.3km az=67.0.
MAN XI 01 08 32 52.3 5.45N 125.37E 36 5.0b,3.9L
¶604684689
MAN XI 01 10 31 14.2 7.83N 126.85E 2 4.4b,3.2L
¶604684690
ISC XI 02 14 48 28.3–.69 5.02N–.04 125.36E–.09 180–7 3.8b 35 1-121
ISCJB XI 02 14 48 27.7–.40 5.08N–.04 125.39E–.08 188–4 3.8b ¶602388722
IDC XI 02 14 48 30.2–.79 5.14N 125.44E 199–8 4.1,3.7
DJA XI 02 14 48 36.4–1.2 4N–9.0 125E–7.0 155–12 4.5b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 02 18 17 34.7–.24 9.24N–.02 126.28E–.03 55–1 5.9b,5.6s 2391 1-172
BJI XI 02 18 17 28.3 8.88N 126.34E 39 5.9b,5.9s ¶601868898
NEIC XI 02 18 17 32.7–.08 9.22N 126.16E 37 6.2b,6.1
MOS XI 02 18 17 32.9–1.0 9.20N 126.15E 53 6.3b,5.6s
MAN XI 02 18 17 33.2 9.31N 126.40E 28 6.6b,6.5s
NEIC XI 02 18 17 33.0–.00 9.25N 126.57E 40 6.6b,6.5s
IDC XI 02 18 17 33.7–.97 9.24N 126.11E 40–8 5.8,5.6

ISCJB XI 02 18 17 34.7–.26 9.25N–.01 126.24E–.01 65–2 5.8b,5.6
GCMT XI 02 18 17 35.7–.10 9.23N 126.48E 46–0 6.1W,5.6
DJA XI 02 18 17 37.1–.30 9N–2.0 126E–2.0 62–3 6.7,6.4b
KLM XI 02 18 17 40.0 9.13N 126.49E 99 6.1b,6.4b
NEIC XI 02 18 17 48.9–.00 9.43N 126.28E 47 6.1b,6.4b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=73.0. Felt [V PIVS] at General Luna and Tandag; [IV PIVS] at Butuan, Cagdianao, Dapa, Kitcharao, Magallanes, Socorro, Surigao and Tubajon; [III PIVS] at Basilisa, Bislig and Libjo; [II PIVS] at Davao, Magsaysay and Santiago. Also felt at Cabadbaran, Cagayan de Oro, Cortes, General Santos, Lagonglong, Lanuza, Madrid, Naawan, Panabo, Santa Cruz and Sibagat. Felt [II PIVS] at Cebu City, Cebu. Also felt at Mambajao, Camiguin Island, at Borongan and Guiuan, Samar and at Maasin and Tacloban, Leyte. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}1.12 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-1.49 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s167.00000°,δ46.00000°,λ66.00000°. NP2:ϕ_s20.00000° ,δ49.00000°,λ113.00000°. Principal axes: T 1.2000,Plg73.0000°,Azm359.0000° ; N 0.3000,Plg17.0000°,Azm184.0000°; P -1.5000,Plg1.0000°,Azm93.0000° M_o1.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s159.00000°,δ46.00000°,λ63.00000°. NP2:ϕ_s15.00000°,δ50.00000°,λ115.00000°. Principal axes: T Plg71.0000°,Azm352.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm88.0000°
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=112.8.
NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.07 $M_{\theta\phi}$0.22 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s355.00000° ,δ56.00000°,λ96.00000°. NP2:ϕ_s164.00000°,δ34.00000°,λ81.00000°. Principal axes: T 1.5900,Plg77.0000°,Azm287.0000°; N -0.1300,Plg5.0000°,Azm171.0000° ; P -1.4600,Plg10.0000°,Azm80.0000° M_o1.50000×10^{18}
IDC Error ellipse: s-maj=9.9km s-min=6.5km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=149.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c341; s144,c486; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.62±.01; $M_{r\theta}$0.27±.01; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s4.00000°,δ52.00000° ,λ105.00000°. NP2:ϕ_s160.00000°,δ41.00000°,λ71.00000°. Principal axes: T 1.5990,Plg77.0000°,Azm328.0000°; N 0.0820,Plg12.0000°,Azm174.0000° ; P -1.6860,Plg6.0000°,Azm83.0000° M_o1.64200×10^{18}
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{18}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.18 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s168.00000° ,δ49.00000°,λ84.00000°. NP2:ϕ_s357.00000°,δ41.00000°,λ97.00000°. Principal axes: T 1.8200,Plg84.0000°,Azm35.0000°; N -0.0100,Plg4.0000°,Azm171.0000° ; P -1.8100,Plg4.0000°,Azm262.0000° M_o1.80000×10^{18}

MAN XI 02 18 28 52.1 9.48N 126.47E 24 4.9b,3.9s
¶604684695
ISC XI 02 18 54 42.3–1.1 9.12N–.04 126.39E–.07 48–11 4.1b 48 1-121
ISCJB XI 02 18 54 42.6–.61 9.07N–.04 126.28E–.07 69–6 3.9b **¶602388732**
MAN XI 02 18 54 43.3 9.12N 126.34E 31 5.1b,4.1s
IDC XI 02 18 54 46.2–1.6 9.13N 126.22E 83–16 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.2km az=164.2.
IDC Error ellipse: s-maj=21.2km s-min=10.3km az=83.0.
MAN XI 02 19 01 59.3 9.13N 126.23E 30 4.4b,3.3L
¶604684697
MAN XI 02 19 38 10.9 9.17N 126.30E 28 4.7b,3.6L
¶604684698
ISC XI 02 19 55 56.6–1.6 9.16N–.03 126.52E–.07 28–12 28 1-85
IDC XI 02 19 55 52.3–1.1 9.02N 126.07E 0 3.9,3.8 **¶602388735**
MAN XI 02 19 55 58.0 9.17N 126.51E 26 4.8b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=64.8km s-min=22.6km az=77.0.
ISC XI 02 22 13 24.8–1.0 9.18N–.04 126.32E–.07 68–9 4.2b 67 2-145
IDC XI 02 22 13 22.9–2.1 9.16N 126.19E 50–19 4.5L,4.3 **¶602031586**
ISCJB XI 02 22 13 23.1–.81 9.15N–.04 126.36E–.06 72–7 4.1b,4.3
NEIC XI 02 22 13 23.0–.85 9.18N 126.23E 52–8 4.2b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=10.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=161.8.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=80.0.
ISC XI 03 04 40 13.8–1.4 5.7N–.10 126.6E–.10 66 3.6b 10 1-56
IDC XI 03 04 40 06.3–2.4 5.56N 126.28E 0 3.9,3.7 **¶602388755**
ISCJB XI 03 04 40 12.6–1.1 5.6N–.10 126.6E–.10 66 3.5b,3.7
MAN XI 03 04 40 12.7 5.56N 126.50E 113 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=197.9km s-min=26.0km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=8.3km az=138.9.
MAN XI 03 07 28 47.1 9.14N 126.32E 24 4.6b,3.5L
¶604684702
MAN XI 03 13 05 08.1 9.19N 126.29E 24 4.7b,3.5L
¶604684703
IDC XI 04 02 36 01.4–3.2 9.70N 125.13E 0 3.6,3.5b
¶602388787
IDC Error ellipse: s-maj=320.5km s-min=21.9km az=65.0.
ISC XI 04 04 14 02.8–.61 5.82N–.04 126.29E–.06 147–5 4.4b 132 1-162
MAN XI 04 04 13 59.5 5.56N 126.49E 95 5.2b,4.3s **¶601869886**
ISCJB XI 04 04 14 01.7–.31 5.83N–.02 126.24E–.05 154–3 4.4b,4.3s
NEIC XI 04 04 14 02.7–.61 5.84N 126.21E 148–6 4.7b,4.3s
DJA XI 04 04 14 03.4–.50 6N–5.0 126E–4.0 135–5 5.1,4.9b
IDC XI 04 04 14 03.0–.65 5.84N 126.17E 150–6 4.5,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.6km az=172.5.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.9km az=80.0.
IDC Error ellipse: s-maj=17.9km s-min=7.2km az=78.0.
ISC XI 04 16 28 22.5–.49 5.43N–.03 125.50E–.05 205–4 4.4b 239 1-122
BJI XI 04 16 28 18.8 5.25N 125.55E 201 4.7b,4.5b **¶601870085**
MOS XI 04 16 28 20.4–1.1 5.42N 125.32E 203 4.5b,4.5b
ISCJB XI 04 16 28 21.1–.22 5.49N–.02 125.58E–.03 206–2 4.4b,4.5b
MAN XI 04 16 28 21.0 5.31N 125.39E 193 5.4b,4.6s
IDC XI 04 16 28 22.7–.93 5.44N 125.41E 204–9 4.6,4.1
NEIC XI 04 16 28 22.3–.53 5.47N 125.48E 204–5 4.7b,4.1
DJA XI 04 16 28 24.2–.30 5N–2.0 126E–3.0 156–4 5.2,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN XI 04 19 50 28.2 6.36N 125.80E 116 5.1b,4.1s
¶604684707
MAN XI 04 21 38 39.5 6.39N 123.44E 33 4.8b,3.7L
¶604684708
MAN XI 04 21 51 59.8 6.24N 123.49E 12 4.6b,3.5L
¶604684709
MAN XI 05 11 50 21.3 8.87N 125.63E 13 4.9b,3.8L
¶604684711
MAN XI 05 14 14 52.7 7.22N 123.16E 14 5.3b,4.5s
¶604684713
ISC XI 06 13 30 48.8–.68 5.78N–.05 126.00E–.07 161–6 3.7b 44 0-122
ISCJB XI 06 13 30 47.7–.39 5.82N–.04 126.02E–.06 167–4 3.7b **¶602388913**
MAN XI 06 13 30 48.6 5.74N 125.62E 183 5.2b,4.2s
IDC XI 06 13 30 49.1–.61 5.82N 125.92E 168–7 4.0,3.6
DJA XI 06 13 30 54.1–.90 5N–8.0 126E–4.0 167–5 5.1b,4.4
ISC Event type ke.
ISCJB Event type ke.
MAN XI 07 03 35 30.3 8.53N 124.38E 31 4.0b,2.8L
¶604684718
MAN XI 08 04 36 53.9 8.45N 124.70E 42 4.1b,2.9L
¶604684724
MAN XI 08 10 27 29.6 7.26N 123.41E 35 4.5b,3.3L
¶604684725
ISC XI 08 13 59 59.3–.43 7.22N–.05 124.29E–.08 400 4.0b 73 1-95
ISCJB XI 08 13 59 58.7–.28 7.31N–.04 124.34E–.06 400 4.0b **¶602389034**
DJA XI 08 13 59 59.6–.50 7N–5.0 124E–5.0 397–8 5.0,4.7b
MAN XI 08 14 00 00.5 7.17N 124.21E 425 5.0b,3.9L
IDC XI 08 14 00 01.9–1.3 7.16N 124.35E 440–15 4.5,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.5km az=161.1.
IDC Error ellipse: s-maj=15.6km s-min=7.5km az=77.0.
MAN XI 08 17 38 19.8 6.80N 124.37E 33 3.8b,2.5L
¶604684726
MAN XI 08 18 46 51.2 6.57N 125.79E 29 4.4b,3.3L
¶604684727
MAN XI 09 05 38 25.5 6.32N 124.67E 8 4.8b,3.7L
¶604684728
MAN XI 09 10 59 12.1 8.01N 125.14E 8 4.1b,2.9L
¶604684729
ISC XI 09 14 42 58.4–.80 7.46N–.03 126.75E–.05 52–7 4.4b,3.5s 132 1-163
MAN XI 09 14 42 52.7 7.45N 126.75E 1 5.2b,4.3s **¶601882842**
IDC XI 09 14 42 55.9–1.8 7.57N 126.74E 33–14 4.8L,4.5
ISCJB XI 09 14 42 56.3–.51 7.50N–.02 126.81E–.04 50–5 4.3b,3.6s
DJA XI 09 14 43 00.8–.50 7N–4.0 127E–3.0 52–5 5.3,5.2b
NEIC XI 09 14 43 00.4–.86 7.47N 126.73E 76–8 4.4b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=7.8km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.6km az=164.3.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.5km az=68.0. Felt [II PIVS] at Davao.
MAN XI 09 20 41 50.6 9.17N 126.83E 10 4.7b,3.5L
¶604684731
ISC XI 10 01 18 53.5–1.9 9.25N–.06 126.90E–.07 14–11 4.2b 38 1-87
IDC XI 10 01 18 51.0–.88 9.51N 127.38E 0 4.6L,4.1 **¶601991631**
NEIC XI 10 01 18 52.6–.53 9.53N 127.27E 10 4.4b,4.1
MAN XI 10 01 18 54.3 9.32N 126.81E 6 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=16.0km az=86.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=8.9km az=85.0.
ISC XI 10 09 23 59.3–.68 9.09N–.03 126.10E–.05 111–6 4.3b 137 0-145
ISCJB XI 10 09 23 57.9–.37 9.10N–.02 126.16E–.04 115–2 4.2b **¶602054296**
MAN XI 10 09 23 58.5 9.07N 126.03E 113 5.0b,4.0L
IDC XI 10 09 24 00.1–1.4 9.12N 126.06E 115–11 4.3,4.0
NEIC XI 10 09 24 01.4–.75 9.03N 126.18E 136–7 4.5b,4.0
DJA XI 10 09 24 01.6–1.5 9N–11 126E–9.0 127–9 4.9,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN XI 11 15 42 29.9 7.95N 124.84E 32 4.4b,3.2L
¶604684739
MAN XI 11 15 56 41.4 6.51N 123.73E 35 4.4b,3.2L
¶604684740
ISC XI 11 18 12 21.4–.91 5.08N–.09 126.0E–.20 35 3.4b 11 1-63
IDC XI 11 18 12 15.4–1.6 5.24N 126.16E 0 4.0,4.0s **¶602389230**
ISCJB XI 11 18 12 18.4–.81 5.2N–.10 126.1E–.20 35 4.0s,3.3b
ISC Event type ke.
ISCJB Event type ke.
MAN XI 12 02 01 16.9 6.74N 124.21E 33 4.1b,2.9L
¶604684742
MAN XI 12 18 46 22.2 8.16N 126.16E 59 4.8b,3.6L
¶604684745
MAN XI 13 22 45 04.5 7.57N 125.25E 32 4.6b,3.5L
¶604684748
MAN XI 14 16 59 09.3 5.29N 125.84E 10 4.7b,3.6L
¶604684755
IDC XI 14 19 00 44.4–1.6 5.26N 123.06E 0 3.7,3.6
¶602389400
IDC Error ellipse: s-maj=214.1km s-min=21.4km az=64.0.
ISC XI 16 02 41 24.1–.82 6.37N–.05 125.96E–.07 86–7 3.7b 25 0-121
ISCJB XI 16 02 41 22.7–.71 6.30N–.06 126.16E–.10 86–7 3.8b **¶602389478**
IDC XI 16 02 41 24.0–1.3 6.33N 126.06E 85–12 3.9,3.7
MAN XI 16 02 41 30.2 6.72N 125.66E 49 4.7b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=9.9km az=165.7.
IDC Error ellipse: s-maj=74.2km s-min=13.3km az=69.0.
MAN XI 16 07 08 41.1 7.01N 126.32E 28 4.5b,3.3L
¶604684765
ISC XI 16 08 02 20.9–.96 5.5N–.20 126.4E–.10 10 3.8b 9 2-84
ISCJB XI 16 08 02 19.2–.87 5.6N–.10 126.6E–.10 10 3.6b **¶602389495**
IDC XI 16 08 02 19.3–.88 5.49N 126.21E 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=10.4km az=32.9.
IDC Error ellipse: s-maj=66.9km s-min=18.9km az=70.0.
MAN XI 18 04 21 18.6 9.02N 126.24E 3 4.0b,2.8L
¶604684767
ISC XI 18 19 34 23.1–1.3 6.60N–.04 123.67E–.03 2–9 4.2b 70 1-87
MAN XI 18 19 34 22.3 6.56N 123.66E 1 4.9b,3.9L **¶601992766**
DJA XI 18 19 34 26.7–.90 6N–10 124E–10 20–7 5.2b,4.9
IDC XI 18 19 34 30.2–3.2 6.54N 123.86E 56–32 4.2,4.2L
NEIC XI 18 19 34 30.1–1.2 6.53N 123.84E 56–13 4.3b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=12.3km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.5km az=83.0.
ISC XI 18 20 01 25.8–.42 5.97N–.03 125.87E–.04 125–3 5.0b 571 1-169
MAN XI 18 20 01 22.6 5.82N 125.90E 135 5.8b,5.2s **¶601909994**
KLM XI 18 20 01 24.0 6.14N 126.10E 106 5.2b,5.2s
IDC XI 18 20 01 25.0–.60 5.95N 125.71E 116–4 5.1,4.8
GCMT XI 18 20 01 25.5–.20 5.94N–.02 126.04E–.02 112–3 4.9W,4.8
DJA XI 18 20 01 25.7–.30 6N–2.0 126E–2.0 115–2 5.9,5.5b
ISCJB XI 18 20 01 25.0–.22 6.00N–.01 125.89E–.02 129–2 5.0b,5.5b
MOS XI 18 20 01 26.2–1.2 5.97N 125.73E 143 4.9b,5.5b
NEIC XI 18 20 01 26.5–.61 5.98N 125.81E 128–6 5.1b,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=11.4km s-min=6.7km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s84,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.09 $M_{\theta\theta}$0.46±.10; $M_{\phi\phi}$-2.75±.12; $M_{r\theta}$0.98±.07; $M_{\theta\phi}$0.10±.11; $M_{\phi r}$1.60±.09; Best double couple: NP1:ϕ_s340.00000°,δ64.00000°,λ71.00000°. NP2:ϕ_s198.00000°,δ32.00000°,λ124.00000°. Principal axes: T 3.0740,Plg66.0000° ,Azm216.0000°; N 0.1820,Plg17.0000°,Azm349.0000°; P -3.2530,Plg17.0000°,Azm84.0000° M_o3.16400×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=168.5.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=76.0. Felt [II PIVS] at General Santos. Also felt at Davao.
ISC XI 18 22 21 00.6–1.6 9.50N–.04 126.50E–.07 15–11 3.4b 22 1-85
IDC XI 18 22 20 57.2–1.8 9.73N 126.50E 0 3.7,3.6 **¶602389632**
ISCJB XI 18 22 21 00.4–1.9 9.51N–.04 126.53E–.06 15–13 3.5b,3.6
MAN XI 18 22 21 00.5 9.54N 126.43E 1 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=181.4km s-min=23.1km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.0km az=164.4.
MAN XI 21 00 14 53.5 6.82N 123.65E 6 4.8b,3.7L
¶604684772
IDC XI 21 10 15 55.8–5.9 8.06N 121.78E 0 3.8,3.5
¶602389782
IDC Error ellipse: s-maj=264.8km s-min=28.3km az=47.0.
MAN XI 21 10 50 43.9 7.97N 125.10E 32 4.0b,2.8L
¶604684774
ISC XI 21 15 57 57.6–.68 5.0N–.10 123.4E–.20 600 3.8b 29 2-119
ISCJB XI 21 15 57 56.0–.63 5.0N–.10 123.4E–.20 600 3.8b **¶602389794**
IDC XI 21 15 57 57.8–1.6 4.88N 123.21E 593–17 4.1,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.4km s-min=8.2km az=148.2.
IDC Error ellipse: s-maj=41.7km s-min=9.2km az=64.0.
ISC XI 21 18 54 55.9–.81 5.59N–.04 126.43E–.07 98–7 4.1b 95 2-122
MAN XI 21 18 54 49.2 5.15N 126.46E 30 5.0b,4.0s **¶601993516**
ISCJB XI 21 18 54 55.2–.48 5.64N–.03 126.37E–.06 108–4 4.0b,4.0s
NEIC XI 21 18 54 55.3–.95 5.76N 126.55E 95–8 4.2b,4.0s
IDC XI 21 18 54 56.0–1.5 5.63N 126.28E 97–13 4.1,3.9

DJA XI 21 18 55 01.7–.50 5N–4.0 126E–4.0 53–15 4.9b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN XI 23 21 30 56.7 6.06N 124.76E 0 4.1b,2.9L ¶604686037
MAN XI 24 19 11 05.3 9.45N 126.84E 26 4.1b,2.9L ¶604686039
ISC XI 24 20 28 50.6–.38 6.46N–.03 123.52E–.04 617–4 4.9b 764 1-173
ISCJB XI 24 20 28 50.0–.12 6.50N–.02 123.52E–.02 625–1 4.9b **¶601994206**
BJI XI 24 20 28 49.4 6.49N 123.59E 607 5.0b,4.8b
MAN XI 24 20 28 49.4 6.52N 123.63E 630 5.7b,5.0s
NEIC XI 24 20 28 51.0–.24 6.48N 123.48E 622–3 4.9b,5.0s
IDC XI 24 20 28 51.0–.43 6.47N 123.49E 620–5 5.1,4.2
MOS XI 24 20 28 50.2–.86 6.51N 123.49E 628 5.0b,4.2
KLM XI 24 20 28 51.0 6.47N 123.58E 607 5.2b,4.2
DJA XI 24 20 28 51.0–.20 6N–3.0 123E–2.0 609–3 6.5,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 25 07 14 54.4–.56 5.64N–.03 126.54E–.05 63–4 4.7b 317 1-142
MAN XI 25 07 14 45.7 5.15N 126.81E 47 5.6b,4.9s **¶601994321**
ISCJB XI 25 07 14 53.6–.37 5.70N–.02 126.63E–.03 74–3 4.6b,4.9s
BJI XI 25 07 14 53.5 5.70N 126.26E 55 4.9b,4.6b
IDC XI 25 07 14 54.2–1.0 5.66N 126.49E 62–8 4.5,4.3
MOS XI 25 07 14 54.2–1.2 5.71N 126.47E 78 5.1b,4.3
NEIC XI 25 07 14 55.4–.62 5.70N 126.57E 81–6 4.8b,4.3
DJA XI 25 07 14 55.6–.40 6N–2.0 127E–2.0 70–3 5.4b,5.4
KLM XI 25 07 14 57.0 5.67N 126.75E 104 5.0b,5.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=169.0.
IDC Error ellipse: s-maj=14.6km s-min=6.7km az=71.0.
MOS Error ellipse: s-maj=11.4km s-min=6.8km az=112.5.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=68.0.
ISC XI 25 07 33 49.6–.83 5.65N–.10 126.5E–.10 71 3.9b 16 1-90
ISCJB XI 25 07 33 47.7–.68 5.7N–.10 126.6E–.10 71 3.9b **¶602389960**
MAN XI 25 07 33 47.5 5.92N 126.58E 119 4.8b,3.7L
IDC XI 25 07 33 50.1–2.3 5.80N 126.79E 81–19 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=6.9km az=44.0.
IDC Error ellipse: s-maj=64.3km s-min=12.0km az=62.0.
ISC XI 25 15 07 31.9–1.3 6.81N–.04 123.57E–.03 11–8 3.8b 41 1-88
MAN XI 25 15 07 31.5 6.80N 123.59E 3 5.1b,4.1s **¶602389979**
IDC XI 25 15 07 38.9–2.9 6.78N 123.82E 70–29 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=12.7km az=77.0.
MAN XI 25 18 07 02.2 9.64N 125.68E 155 4.6b,3.5L ¶604686046
MAN XI 26 15 10 06.5 7.80N 124.82E 29 4.0b,2.8L ¶604686047
MAN XI 26 18 13 32.1 9.99N 124.87E 62 4.5b,3.4L ¶604686048
MAN XI 27 23 35 07.5 8.07N 125.20E 42 4.6b,3.4L ¶604686050
ISC XI 28 13 41 58.7–.64 8.86N–.03 126.42E–.06 41–7 4.1b,2.9s 72 1-145
ISCJB XI 28 13 41 58.3–.60 8.83N–.03 126.42E–.05 63–6 4.1b,2.9s **¶601995034**
MAN XI 28 13 41 59.0 8.83N 126.34E 23 4.8b,3.7L
IDC XI 28 13 41 58.0–.82 8.84N 126.36E 38–7 4.5L,4.1
NEIC XI 28 13 41 58.8–.47 8.89N 126.48E 48–5 4.3b,4.1
DJA XI 28 13 42 10.6–2.8 8N–24 127E–10 63–10 5.4b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN XI 28 15 02 26.5 9.76N 125.62E 16 4.3b,3.1L ¶604686051
MAN XI 28 16 04 52.1 8.11N 123.92E 236 4.7b,3.6L ¶604686052
ISC XI 29 22 43 27.9–1.6 7.89N–.04 126.51E–.08 10–11 3.5b 25 0-81
IDC XI 29 22 43 25.6–1.1 8.07N 126.69E 0 4.0L,3.9 **¶602390198**
MAN XI 29 22 43 27.4 7.86N 126.57E 20 4.8b,3.7L
ISCJB XI 29 22 43 28.1–.87 7.91N–.03 126.58E–.06 24–6 3.4b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 29 22 52 23.4–2.2 10.00N–.04 126.64E–.09 1–13 3.6b 19 1-94
IDC XI 29 22 52 23.9–1.5 9.83N 125.98E 0 3.9,3.8 **¶602390200**
MAN XI 29 22 52 26.5 10.03N 126.51E 6 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=156.5km s-min=22.0km az=69.0.
MAN XI 30 12 51 43.4 6.71N 124.32E 2 4.6b,3.4L ¶604686055
IDC XI 30 21 12 24.5–1.9 5.33N 126.16E 0 3.8,3.6 ¶607283520
IDC Error ellipse: s-maj=116.0km s-min=25.3km az=67.0.
MAN XII 01 01 57 48.8 9.40N 125.02E 30 4.3b,3.1L ¶604686222
ISC XII 02 09 27 51.4–1.1 9.96N–.04 126.11E–.08 59–10 4.1b 65 1-120
NEIC XII 02 09 27 49.0–.38 10.15N 126.32E 35 4.4b **¶601995779**
MAN XII 02 09 27 50.0 9.98N 126.16E 17 4.8b,3.7L
ISCJB XII 02 09 27 51.1–.64 9.98N–.03 126.18E–.06 75–5 4.2b,3.7L
IDC XII 02 09 27 53.6–4.1 9.95N 126.12E 84–36 4.0,3.8
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=18.6km s-min=7.1km az=76.0. Felt [I PIVS] at Surigao, Mindanao.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=4.1km az=170.0.
IDC Error ellipse: s-maj=38.6km s-min=13.7km az=66.0.
ISC XII 03 21 04 12.8–1.1 6.52N–.09 126.3E–.10 68 3.5b 11 1-55
IDC XII 03 21 04 03.4–1.8 6.77N 126.81E 0 3.8,3.6b **¶602390406**
ISCJB XII 03 21 04 11.0–.90 6.50N–.08 126.4E–.10 68 3.4b,3.6b
ISC Event type ke.
ISCJB Event type ke.
MAN XII 05 15 49 29.4 6.60N 125.65E 31 4.7b,3.6L ¶604686238
MAN XII 06 17 47 50.6 9.84N 126.38E 10 4.4b,3.3L ¶604686240
MAN XII 06 23 37 27.1 9.57N 126.27E 1 4.4b,3.2L ¶604686242
MAN XII 07 10 18 20.9 9.38N 126.00E 11 4.8b,3.7L ¶604686243
MAN XII 07 21 25 40.8 6.49N 124.81E 54 4.5b,3.3L ¶604686245
ISC XII 08 08 36 02.5–.71 5.9N–.10 124.0E–.30 550 3.8b 16 10-143
ISCJB XII 08 08 36 01.4–.67 5.9N–.10 123.9E–.30 550 3.6b **¶602390800**
IDC XII 08 08 36 04.0–1.7 5.90N 124.08E 567–20 4.0,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.3km s-min=11.4km az=157.6.
IDC Error ellipse: s-maj=45.6km s-min=9.8km az=69.0.
ISC XII 08 17 43 18.1–1.0 6.00N–.06 125.46E–.04 28–7 3.6b 22 0-84
MAN XII 08 17 43 14.8 5.70N 125.64E 33 5.2b,4.3s **¶602390832**
ISCJB XII 08 17 43 17.5–.69 5.92N–.05 125.44E–.04 28–5 3.6b,4.3s
IDC XII 08 17 43 17.5–3.6 6.02N 125.23E 23–23 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.9km az=20.2.
IDC Error ellipse: s-maj=45.3km s-min=15.8km az=85.0.
ISC XII 08 19 33 32.8–1.5 5.43N–.09 126.8E–.10 10 3.4b 13 1-56
IDC XII 08 19 33 30.6–1.3 4.96N 124.85E 0 3.5,3.4 **¶604686248**
ISCJB XII 08 19 33 31.4–.97 5.42N–.08 126.8E–.10 10 3.2b,3.4
MAN XII 08 19 33 31.5 5.44N 127.04E 12 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=59.3km s-min=22.3km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=7.6km az=146.9.
MAN XII 09 02 01 43.5 9.98N 126.24E 7 4.3b,3.2L ¶604699586
ISC XII 09 21 45 34.3–.29 6.67N–.02 126.18E–.03 57–2 5.3b,4.7s 1085 0-171
BJI XII 09 21 45 28.0 6.19N 126.56E 56 5.5b,5.3b **¶602032405**
MOS XII 09 21 45 31.7–1.2 6.70N 126.14E 48 5.5b,4.6s
ISCJB XII 09 21 45 33.2–.26 6.69N–.01 126.24E–.02 62–2 5.3b,4.6s
IDC XII 09 21 45 33.2–.57 6.71N 126.18E 49–5 5.1,4.9
NEIC XII 09 21 45 35.2–.49 6.70N 126.17E 63–4 5.6W,5.3b
DJA XII 09 21 45 35.3–.30 7N–2.0 126E–2.0 50–3 6.1,6.1
GCMT XII 09 21 45 36.2–.10 6.79N–.01 126.30E–.01 26–0 5.8W,6.1
MAN XII 09 21 45 36.2 6.94N 126.04E 27 6.2b,5.8s
KLM XII 09 21 45 38.0 6.60N 126.34E 92 5.8b,5.8s
ISC Event type fe.
MOS Error ellipse: s-maj=8.4km s-min=4.2km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=165.6.
IDC Error ellipse: s-maj=11.0km s-min=7.2km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=72.0. Felt [IV PIVS] at Davao, Mati and San Isidro; [III PIVS] at Digos, General Santos, Magugpo, Manay and Padada; [II PIVS] at Bislig, Kidapawan, Koronadal, M'lang, Makilala, Matalam, Polomolok, Tacurong, Tulunan and Tupi. Also felt at Banaybanay, Santa Cruz and Sigaboy. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$0.85 $M_{r\theta}$0.17 $M_{\theta\phi}$-1.52 $M_{\phi r}$2.10 Best double couple: NP1:ϕ_s283.00000°,δ37.00000°,λ-169.00000°. NP2:ϕ_s184.00000°,δ83.00000°,λ-54.00000°. Principal axes: T 2.8100,Plg29.0000°,Azm246.0000° ; N -0.2400,Plg36.0000°,Azm359.0000°; P -2.5700,Plg41.0000°,Azm127.0000° M_o2.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c169; s117,c236; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.04 $M_{\theta\theta}$0.14±.04; $M_{\phi\phi}$-0.60±.04; $M_{r\theta}$0.50±.09; $M_{\theta\phi}$-1.18±.03; $M_{\phi r}$5.27±.18; Best double couple: NP1:ϕ_s5.00000°,δ87.00000°,λ78.00000°. NP2:ϕ_s259.00000°,δ12.00000°,λ164.00000°. Principal axes: T 5.2640,Plg47.0000°,Azm263.0000°; N 0.3580,Plg12.0000°,Azm6.0000° ; P -5.6220,Plg41.0000°,Azm106.0000° M_o5.44300×10^{17}
ISC XII 09 21 59 38.4–2.9 6.63N–.05 126.22E–.08 28–21 3.4b 16 0-55
IDC XII 09 21 59 33.6–1.8 6.85N 126.55E 0 3.6,3.4 **¶602390935**
MAN XII 09 21 59 40.7 6.85N 126.10E 23 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=12.4km az=26.0.
ISC XII 10 00 18 35.7–.72 6.62N–.04 126.24E–.05 62–6 4.3b 77 0-143
BJI XII 10 00 18 32.5 7.10N 126.50E 20 5.1b,4.7b **¶602032410**
IDC XII 10 00 18 34.8–1.3 6.78N 126.30E 57–10 4.3,4.2
ISCJB XII 10 00 18 34.4–.39 6.70N–.03 126.24E–.04 65–3 4.2b,4.2
NEIC XII 10 00 18 35.4–1.0 6.77N 126.27E 65–9 4.3b,4.2
MAN XII 10 00 18 36.9 6.87N 126.04E 23 4.9b,3.8L
DJA XII 10 00 18 37.3–.60 7N–3.0 126E–5.0 39–7 5.3b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 10 00 56 20.4–1.0 6.62N–.06 126.15E–.07 56–9 3.7b 19 0-55
ISCJB XII 10 00 56 19.5–.72 6.58N–.05 126.19E–.07 61–7 3.7b **¶602390952**
IDC XII 10 00 56 20.0–3.6 6.73N 126.25E 56–29 3.8,3.7
MAN XII 10 00 56 22.6 6.81N 126.07E 16 4.2b,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=8.9km az=14.2.
IDC Error ellipse: s-maj=76.8km s-min=19.2km az=64.0.
ISC XII 10 16 05 55.2–1.2 9.28N–.04 126.9E–.10 36–3 3.7b 27 1-57
IDC XII 10 16 05 49.5–1.7 9.49N 126.99E 0 4.7L,4.0 **¶602390991**
MAN XII 10 16 05 53.7 9.32N 126.81E 21 4.7b,3.6L
ISCJB XII 10 16 05 54.1–1.1 9.34N–.04 126.89E–.08 47–11 3.7b,2.6s
ISC Event type ke.
ISCJB Event type ke.
MAN XII 10 16 12 34.7 9.39N 126.57E 21 4.1b,2.9L ¶604699621
MAN XII 10 16 30 57.0 6.85N 126.43E 62 4.1b,2.9L ¶604699622
MAN XII 10 18 31 51.7 6.85N 126.33E 60 4.3b,3.1L ¶604699623
MAN XII 11 02 28 07.8 6.58N 126.15E 33 4.5b,3.3L ¶604699668
ISC XII 11 03 30 55.9–.87 5.67N–.05 126.17E–.08 96–8 4.0b 38 1-122
ISCJB XII 11 03 30 55.8–.50 5.74N–.04 126.17E–.08 115–6 4.0b **¶602391062**
DJA XII 11 03 30 57.9–4.3 5N–28 126E–18 255–63 4.5b,4.5
MAN XII 11 03 30 58.1 5.77N 126.45E 32 4.3b,3.1L
IDC XII 11 03 30 58.2–.82 5.77N 126.01E 124–7 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.1km az=4.5.
IDC Error ellipse: s-maj=42.8km s-min=10.3km az=73.0.
MAN XII 11 14 14 12.1 5.79N 126.31E 125 4.1b,2.9L ¶604699670
ISC XII 12 22 12 50.7–.89 5.58N–.04 126.63E–.08 102–8 3.8b 45 1-122
ISCJB XII 12 22 12 49.0–.47 5.62N–.03 126.72E–.06 101–5 3.8b **¶602043271**
MAN XII 12 22 12 48.5 5.72N 126.74E 121 4.5b,3.4L
IDC XII 12 22 12 51.6–1.2 5.60N 126.55E 108–9 4.0,3.8
DJA XII 12 22 13 02.7–.90 5N–7.0 126E–4.0 147–7 5.0b,4.4
ISC Event type ke.
ISCJB Event type ke.
MAN XII 14 02 27 22.5 9.19N 126.35E 21 4.3b,3.2L ¶604699808
MAN XII 14 04 13 07.6 8.52N 125.74E 59 4.7b,3.6L ¶604699809
IDC XII 14 13 26 46.4–1.7 5.54N 126.60E 0 3.7,3.6 ¶602391325
IDC Error ellipse: s-maj=165.5km s-min=19.5km az=65.0.
MAN XII 14 19 59 55.7 9.98N 125.15E 26 4.1b,2.9L ¶604699812
MAN XII 15 08 52 27.8 8.37N 125.45E 58 4.5b,3.4L ¶604699848
ISC XII 15 12 11 58.5–.80 9.71N–.03 125.46E–.05 17–5 3.5b 45 0-95
MAN XII 15 12 11 58.5 9.68N 125.40E 5 4.5b,3.3L **¶602391386**
IDC XII 15 12 12 05.9–2.2 9.74N 125.51E 85–24 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=15.5km az=77.0.
MAN XII 15 15 52 40.5 9.74N 125.14E 29 4.0b,2.8L ¶604699850
ISC XII 15 18 24 49.8–1.4 6.73N–.04 126.32E–.08 17–9 3.2b 21 0-55
IDC XII 15 18 24 47.3–1.4 6.86N 126.53E 0 3.6,3.5 **¶602391401**
MAN XII 15 18 24 54.5 6.88N 126.13E 23 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=11.9km az=25.0.
MAN XII 16 05 00 37.9 6.69N 126.06E 11 4.4b,3.3L ¶604699901
IDC XII 16 14 56 27.4–2.5 6.05N 126.29E 0 3.6,3.4 ¶602391470
IDC Error ellipse: s-maj=213.0km s-min=24.3km az=66.0.
MAN XII 16 18 26 49.3 7.11N 123.81E 96 4.2b,3.0L ¶604699902
MAN XII 17 09 05 01.9 9.71N 126.10E 20 4.2b,3.0L ¶604699955
IDC XII 18 12 28 20.5–2.3 6.49N 124.86E 0 3.7,3.5 ¶602391600
IDC Error ellipse: s-maj=211.4km s-min=26.0km az=64.0.
ISC XII 18 15 33 21.6–1.4 6.08N–.09 126.9E–.10 35 3.2b 9 1-56
IDC XII 18 15 33 14.2–2.4 6.37N 126.64E 0 3.5,3.4 **¶602391612**
ISCJB XII 18 15 33 19.7–1.1 6.11N–.09 126.86E–.10 35 3.2b,3.4
MAN XII 18 15 33 27.4 7.16N 125.77E 1 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=139.8km s-min=28.2km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=8.8km az=140.0.
MAN XII 18 21 52 52.5 9.81N 125.49E 30 4.3b,3.1L ¶604700018
ISC XII 19 14 00 16.3–.62 9.26N–.03 124.09E–.04 54–5 4.6b,3.6s 154 0-119
MAN XII 19 14 00 12.8 9.25N 124.04E 17 5.4b,4.6s **¶602051972**
ISCJB XII 19 14 00 14.4–.34 9.23N–.02 124.13E–.03 51–3 4.5b,3.6s

BJI XII 19 14 00 18.6 9.27N 124.14E 89 5.0b,4.7b
IDC XII 19 14 00 19.8–2.5 9.17N 124.12E 89–23 4.3,4.2
NEIC XII 19 14 00 20.0–.67 9.08N 124.01E 94–6 4.6b,4.2
DJA XII 19 14 00 22.7–.70 9N–5.0 124E–5.0 104–6 5.4b,5.2
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Tagbilaran City. Also felt at Dauis. Felt [III] at Dumaguete and [II PIVS] at Dauin and Sibulan, Negros. Also felt at Talisay. Felt [II PIVS] at Cebu City, Cebu. Also felt at Danao City and Mandaue City. Felt [II PIVS] on Siquijor Island and [I PIVS] at Dipolog, Mindanao.
MAN XII 20 07 04 54.4 5.43N 125.46E 114 4.9b,3.8L
¶604700099
ISC XII 20 09 22 19.9–.64 5.13N–.04 125.48E–.08 207–5 3.7b 51 1-121
ISCJB XII 20 09 22 19.3–.40 5.15N–.04 125.50E–.08 215–4 3.6b **¶602052572**
IDC XII 20 09 22 20.4–.75 5.19N 125.44E 210–7 4.1,3.6
DJA XII 20 09 22 25.2–.70 5N–7.0 126E–4.0 178–5 5.7b,5.2
MAN XII 20 09 22 25.3 5.47N 125.50E 154 5.0b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.5km az=162.1.
IDC Error ellipse: s-maj=23.2km s-min=8.7km az=78.0.
MAN XII 20 15 36 37.7 6.80N 126.24E 65 4.3b,3.1L
¶604700100
MAN XII 20 18 18 58.1 6.93N 125.68E 30 4.4b,3.2L
¶604700101
MAN XII 20 18 39 35.4 7.69N 125.14E 139 4.4b,3.3L
¶604700102
MAN XII 20 20 42 33.2 6.82N 123.98E 35 3.8b,2.5L
¶604700103
MAN XII 20 21 06 15.0 6.62N 126.11E 33 4.4b,3.3L
¶604700104
MAN XII 21 12 31 37.4 7.50N 123.39E 38 3.6b,2.3L
¶604700142
MAN XII 21 15 04 01.0 8.19N 125.06E 27 3.6b,2.3L
¶604700143
MAN XII 21 18 13 50.7 8.14N 125.04E 22 3.8b,2.6L
¶604700144
MAN XII 21 19 06 16.2 9.56N 125.68E 1 4.1b,2.9L
¶604700145
ISC XII 22 01 00 17.1–1.9 9.53N–.04 126.46E–.08 5–11 3.6b 22 1-94
IDC XII 22 01 00 16.3–1.1 9.44N 126.20E 0 3.9,3.7 **¶602391839**
MAN XII 22 01 00 24.3 9.38N 126.24E 27 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=20.2km az=76.0.
MAN XII 22 17 29 53.7 6.89N 123.60E 24 4.1b,2.9L
¶604700193
ISC XII 23 22 17 56.1–.66 5.62N–.07 126.4E–.10 66 30 1-90
IDC XII 23 22 17 47.0–1.1 6.02N 127.16E 0 4.0,3.8 **¶602374104**
MAN XII 23 22 17 52.7 5.55N 126.51E 93 4.8b,3.7L
ISCJB XII 23 22 17 54.9–.41 5.62N–.06 126.40E–.09 66 4.9b,3.7L
NEIC XII 23 22 17 55.3–1.3 5.78N 126.52E 57–12 4.6b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=16.5km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.3km az=154.4.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=6.9km az=65.0.
MAN XII 24 16 04 10.9 5.77N 126.83E 109 4.5b,3.3L
¶604700271
MAN XII 24 17 30 37.8 9.80N 124.59E 38 4.0b,2.7L
¶604700272
MAN XII 24 18 20 24.2 6.86N 123.62E 1 4.5b,3.3L
¶604700273
MAN XII 24 18 57 42.2 7.91N 125.08E 13 4.0b,2.8L
¶604700274
MAN XII 24 19 28 46.9 9.57N 125.11E 32 4.1b,2.8L
¶604700275
MAN XII 24 22 40 03.0 7.43N 125.94E 80 3.5b,2.1L
¶604700277
ISC XII 25 05 00 38.5–1.2 8.68N–.03 126.16E–.04 11–8 4.2b 54 1-87
MAN XII 25 05 00 40.1 8.50N 126.04E 8 4.8b,3.6L **¶602380568**
NEIC XII 25 05 00 44.0–1.3 8.55N 126.15E 59–12 4.2b,3.6L
IDC XII 25 05 00 44.2–2.8 8.60N 126.25E 59–27 4.4L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=6.7km az=67.0.
IDC Error ellipse: s-maj=30.8km s-min=15.1km az=79.0.
ISC XII 25 08 32 43.7–.76 6.04N–.04 126.90E–.06 115–7 4.6b 138 1-122
ISCJB XII 25 08 32 43.4–.43 6.03N–.03 126.80E–.04 127–4 4.6b **¶602058335**
MAN XII 25 08 32 43.4 5.96N 126.80E 83 4.7b,3.6L
NEIC XII 25 08 32 44.7–.58 6.03N 126.77E 124–5 4.6b,3.6L
IDC XII 25 08 32 45.1–1.1 5.99N 126.75E 126–9 4.3,4.1
DJA XII 25 08 32 46.4–.90 6N–6.0 127E–7.0 75–21 5.2b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 25 10 21 53.8–1.4 9.69N–.04 125.39E–.06 9–10 3.3b 25 1-52
IDC XII 25 10 21 51.0–1.6 10.17N 126.50E 0 3.6,3.5 **¶602380580**
ISCJB XII 25 10 21 53.0–1.9 9.66N–.03 125.48E–.06 10–14 3.4b,3.5
MAN XII 25 10 21 53.8 9.65N 125.38E 7 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=66.0km s-min=23.2km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.2km az=168.1.
ISC XII 25 13 09 15.2–3.1 9.70N–.05 126.87E–.09 12–18 4.0b,3.1s 36 1-87
ISCJB XII 25 13 09 14.1–2.4 9.65N–.05 127.08E–.06 17–17 3.9b,3.1s **¶602324113**
IDC XII 25 13 09 14.0–1.0 9.50N 126.59E 0 4.0,3.8b
NEIC XII 25 13 09 21.0–2.4 9.54N 126.69E 54–22 4.4b,3.8b
MAN XII 25 13 09 20.7 9.85N 126.59E 9 4.9b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=8.5km az=8.7.
IDC Error ellipse: s-maj=63.0km s-min=17.6km az=66.0.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=7.8km az=72.0.
MAN XII 25 14 05 11.1 9.50N 125.19E 4 4.5b,3.3L
¶604700323
MAN XII 25 21 06 20.3 6.97N 124.15E 56 4.0b,2.8L
¶604700326
MAN XII 26 06 25 31.6 6.17N 123.91E 47 3.5b,2.2L
¶604700370
ISC XII 26 18 00 10.1–1.2 5.83N–.10 126.30E–.09 150 3.1b 16 1-56
IDC XII 26 17 59 57.3–1.4 5.01N 124.37E 0 4.1L,3.4 **¶604700373**
ISCJB XII 26 18 00 08.6–.86 5.84N–.07 126.31E–.07 150 3.1b,3.4
MAN XII 26 18 00 08.6 5.85N 126.31E 141 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=52.4km s-min=23.4km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=9.2km az=154.2.
MAN XII 26 21 43 58.2 6.46N 123.92E 26 4.5b,3.3L
¶604700374
MAN XII 26 21 58 13.5 9.95N 126.24E 67 4.4b,3.2L
¶604700375
MAN XII 27 06 27 38.3 8.36N 122.58E 29 4.4b,3.3L
¶604700408
MAN XII 27 20 31 47.9 9.73N 126.58E 2 4.8b,3.7L
¶604700409
MAN XII 28 06 22 52.1 9.75N 126.02E 23 4.3b,3.1L
¶604700437
IDC XII 28 06 28 23.0–4.7 6.78N 126.62E 64–39 4.0,3.9
¶602380764
IDC Error ellipse: s-maj=74.2km s-min=15.9km az=61.0.
MAN XII 28 21 38 17.2 5.68N 124.71E 1 4.4b,3.2L
¶604700439
MAN XII 28 22 11 17.6 6.53N 123.43E 32 3.7b,2.4L
¶604700440
MAN XII 29 01 48 12.9 7.10N 125.32E 7 4.2b,3.0L
¶604700476
MAN XII 29 05 05 30.2 6.85N 125.78E 21 3.9b,2.7L
¶604700477
IDC XII 29 14 38 01.0–35 5.60N 124.41E 0 3.8,3.6
¶602380845
IDC Error ellipse: s-maj=593.6km s-min=128.6km az=150.0.
MAN XII 29 17 10 48.3 6.18N 125.54E 73 4.1b,2.9L
¶604700479
ISC XII 30 05 32 30.3–.73 5.46N–.08 125.97E–.09 161–6 3.7b 29 1-122
MAN XII 30 05 32 25.3 5.41N 126.22E 187 4.4b,3.3L **¶602380877**
ISCJB XII 30 05 32 29.1–.50 5.50N–.06 125.98E–.09 164–4 3.6b,3.3L
IDC XII 30 05 32 30.0–.83 5.55N 126.00E 158–7 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=9.7km az=157.1.
IDC Error ellipse: s-maj=41.4km s-min=10.8km az=71.0.
MAN XII 30 05 52 00.1 9.26N 125.88E 0 4.2b,3.0L
¶604700519
ISC XII 30 12 09 51.4–.77 6.07N–.04 125.94E–.08 150–7 3.3b 35 0-83
DJA XII 30 12 09 43.4–.50 6N–4.0 126E–5.0 10 5.6b,5.1 **¶602077267**
ISCJB XII 30 12 09 49.6–.44 6.08N–.04 126.00E–.07 147–4 3.4b,5.1
MAN XII 30 12 09 50.8 6.15N 125.90E 157 4.6b,3.4L
IDC XII 30 12 09 51.2–.89 6.26N 126.20E 147–7 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=166.4.
IDC Error ellipse: s-maj=43.8km s-min=12.2km az=71.0.
ISC XII 30 14 04 03.0–1.1 5.65N–.09 126.03E–.09 106–9 3.3b 19 1-56
IDC XII 30 14 03 48.8–2.0 6.25N 126.67E 0 3.6,3.4 **¶602380894**
ISCJB XII 30 14 04 02.3–.86 5.63N–.08 126.08E–.09 101–10 3.3b,3.4
MAN XII 30 14 04 02.5 5.67N 126.10E 96 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=213.6km s-min=23.6km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=12.4km az=28.2.
MAN XII 30 18 17 44.0 9.91N 124.99E 28 4.0b,2.7L
¶604700521
MAN XII 31 05 20 17.4 9.18N 125.32E 4 4.2b,3.0L
¶604700556
ISC XII 31 07 03 21.6–1.8 9.92N–.04 126.29E–.08 28–12 3.3b 23 1-86
IDC XII 31 07 03 16.4–2.3 10.21N 126.33E 0 3.7,3.6 **¶602380474**
ISCJB XII 31 07 03 23.0–1.6 9.90N–.05 126.25E–.07 27–11 3.5b,3.6
MAN XII 31 07 03 24.6 9.99N 126.08E 13 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=221.7km s-min=24.4km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=8.2km az=157.8.
IDC XII 31 13 39 50.0–1.3 5.20N 125.46E 0 3.3,3.2
¶602380491
IDC Error ellipse: s-maj=69.6km s-min=18.7km az=80.0.
ISC XII 31 23 09 01.8–1.5 5.58N–.10 126.5E–.10 97–11 3.5b 18 1-89
ISCJB XII 31 23 09 00.9–1.2 5.56N–.09 126.4E–.10 101–10 3.4b **¶602380522**
MAN XII 31 23 09 00.5 5.66N 126.72E 74 4.4b,3.3L
IDC XII 31 23 09 05.1–1.6 5.60N 125.82E 123–14 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=15.1km az=8.0.
IDC Error ellipse: s-maj=57.9km s-min=18.0km az=72.0.

(260) East of Philippine Islands.

IDC VIII 20 13 51 33.7–2.5 5.42N 128.21E 0 3.6,3.4
¶601766194
IDC Error ellipse: s-maj=169.5km s-min=28.9km az=67.0.
IDC VIII 31 18 16 08.8–3.6 10.77N 128.00E 0 3.6,3.4
¶601755777
IDC Error ellipse: s-maj=268.5km s-min=25.8km az=67.0.
IDC VIII 31 22 28 55.4–2.9 11.02N 128.24E 0 3.8,3.7
¶601755809
IDC Error ellipse: s-maj=224.4km s-min=29.1km az=69.0.

SEISMIC REGION 23.
Borneo-Sulawesi.

(261) Borneo.

ISC IX 22 03 06 29.1–.96 1.63S–.06 116.37E–.06 35 4.5s,3.7b 15 1-89
IDC IX 22 03 06 24.3–2.0 1.72S 116.17E 0 4.4s,4.4 **¶601863976**
DJA IX 22 03 06 25.3–.50 2S–4.0 116E–4.0 66–12 4.9b,4.2
ISCJB IX 22 03 06 27.7–.64 1.63S–.05 116.39E–.06 33 4.0s,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 04 02 13 31.6–1.0 2.61S–.06 115.26E–.07 10 3.7b 19 1-57
ISCJB XII 04 02 13 29.9–.74 2.46S–.05 115.33E–.06 10 3.5b **¶602390419**
IDC XII 04 02 13 30.9–1.5 2.06S 116.01E 0 4.0,3.8
DJA XII 04 02 13 34.1–.70 2S–3.0 115E–4.0 51–10 5.0b,4.9b
ISC Event type ke.
ISCJB Event type ke.

(262) Celebes Sea.

ISC VII 09 14 46 33.7–.62 4.32N–.07 123.79E–.10 400 3.3b 20 4-73
ISCJB VII 09 14 46 32.7–.53 4.42N–.06 123.78E–.10 400 3.3b **¶601664336**
IDC VII 09 14 46 37.3–2.8 4.16N 123.77E 457–38 4.0,3.2
DJA VII 09 14 46 40.4–1.0 4N–9.0 124E–5.0 362–15 4.6b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC VII 13 14 31 46.6–1.8 3.05N 124.92E 0 3.5s,3.5
¶606367025
IDC Error ellipse: s-maj=211.7km s-min=21.8km az=65.0.
IDC VII 14 11 32 22.4–1.5 4.46N 124.03E 0 4.0,3.9
¶601664564
IDC Error ellipse: s-maj=123.5km s-min=19.2km az=67.0.
IDC VII 19 21 24 21.8–2.3 4.00N 123.40E 0 3.7,3.5
¶601664848
IDC Error ellipse: s-maj=320.4km s-min=26.4km az=63.0.
ISC VII 23 21 41 15.9–.76 2.4N–.20 118.9E–.40 35 4.1b 17 8-88
IDC VII 23 21 41 10.3–.71 2.38N 118.75E 0 4.2,4.0b **¶601484396**
ISCJB VII 23 21 41 13.4–.57 2.5N–.20 119.0E–.40 33 4.0b,4.0b
NEIC VII 23 21 41 15.6–.58 2.44N 118.90E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=92.9km s-min=14.8km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=56.3km s-min=11.4km az=152.9.
NEIC Event type se. Error ellipse: s-maj=75.9km s-min=12.1km az=60.0.
ISC VIII 08 22 52 48.8–1.3 2.0N–.10 121.4E–.10 35 3.6b 13 2-80
IDC VIII 08 22 52 43.2–1.2 2.21N 121.85E 0 3.7,3.6 **¶601765674**
ISCJB VIII 08 22 52 46.4–.95 2.10N–.08 121.5E–.10 33 4.4s,3.5b
DJA VIII 08 22 52 48.7–.90 2N–4.0 121E–5.0 17–10 4.8b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 20 02 54 06.2–.46 2.36N–.04 122.39E–.05 510–5 4.5b 266 2-163
MOS VIII 20 02 54 04.5–1.0 2.44N 122.40E 504 4.5b **¶601566540**
BJI VIII 20 02 54 04.9 2.40N 122.50E 504 4.7b,4.6b
NEIC VIII 20 02 54 05.7–.33 2.38N 122.45E 507–4 4.7b,4.6b
ISCJB VIII 20 02 54 05.4–.19 2.39N–.02 122.48E–.03 515–2 4.5b,4.6b
IDC VIII 20 02 54 06.2–.76 2.39N 122.43E 510–8 4.8,3.9
DJA VIII 20 02 54 06.5–.20 2N–2.0 122E–2.0 495–2 5.1b,5.0
KLM VIII 20 02 54 08.0 2.29N 122.21E 504 5.1b,5.0
ISC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=6.3km az=103.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=22.0.
IDC Error ellipse: s-maj=9.7km s-min=6.8km az=85.0.
ISC VIII 27 04 01 40.6–.81 2.40N–.08 123.57E–.07 400 3.5b 20 2-61
ISCJB VIII 27 04 01 39.4–.55 2.46N–.07 123.55E–.06 400 3.4b **¶601766525**
DJA VIII 27 04 01 42.1–.70 2N–5.0 124E–3.0 367–6 4.7b,4.4b
IDC VIII 27 04 01 44.3–5.9 2.50N 123.85E 445–89 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.9km az=152.8.
IDC Error ellipse: s-maj=83.5km s-min=17.4km az=80.0.
ISC VIII 29 09 49 12.8–.30 3.44N–.03 122.70E–.04 551–3 4.9b 986 3-167

BJI	VIII	29 09 49 06.9	2.94N	123.02E	538	5.1b,4.9b	¶601630295
MOS	VIII	29 09 49 11.8–.83	3.51N	122.71E	550	4.9b,4.9b	
DJA	VIII	29 09 49 12.5–.20	3N–2.0	123E–2.0	538–2	5.5,5.3b	
IDC	VIII	29 09 49 12.7–.38	3.45N	122.68E	547–4	5.2,4.3	
ISCJB	VIII	29 09 49 12.0–.13	3.43N–.02	122.68E–.02	553–2	4.8b,4.3	
NEIC	VIII	29 09 49 12.3–.10	3.45N	122.69E	542	4.9b,4.3	
GCMT	VIII	29 09 49 13.4–.50	3.52N–.04	122.93E–.05	557–4	5.3W,4.3	
KLM	VIII	29 09 49 14.0	3.38N	122.62E	544	5.3W,4.3	
ISC	Event type se.						
MOS	Error ellipse: s-maj=8.7km s-min=4.8km az=119.8.						
IDC	Error ellipse: s-maj=7.1km s-min=5.2km az=63.0.						
ISCJB	Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=157.8.						
NEIC	Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=60.0.						
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s48,c67;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.50±.05 $M_{\theta\theta}$0.25±.07; $M_{\phi\phi}$-0.74±.08; $M_{r\theta}$-0.32±.09; $M_{\theta\phi}$0.24±.07; $M_{\phi r}$-0.94±.07; Best double couple: NP1: ϕ_s195.00000°,δ76.00000°,λ112.00000°. NP2:ϕ_s315.00000°,δ26.00000°,λ33.00000°. Principal axes: T 1.1690,Plg54.0000°,Azm132.0000°; N 0.0830,Plg22.0000°,Azm9.0000° ; P -1.2530,Plg28.0000°,Azm267.0000° $M_0$1.21100×10^{17}						
ISC	**IX**	**01 16 34 49.0–.75**	**3.52N–.06**	**124.8E–.10**	**331**	**3.3b**	**21 1-66**
ISCJB	IX	01 16 34 48.1–.48	3.59N–.05	124.73E–.10	331	3.3b	¶601862731
IDC	IX	01 16 34 54.9–5.4	3.34N	124.35E	394–62	3.9,3.2	
DJA	IX	01 16 34 58.3–.50	3N–4.0	125E–3.0	245–7	4.5b,4.0	
ISC	Event type ke.						
ISCJB	Event type ke.						
IDC	**IX**	**01 20 02 40.8–1.2**	**4.49N**	**123.02E**	**0**	**3.7,3.6**	¶601862740
IDC	Error ellipse: s-maj=171.6km s-min=20.6km az=65.0.						
ISC	**IX**	**03 09 49 33.6–1.0**	**2.9N–.20**	**122.5E–.20**	**552**	**3.8b**	**11 10-56**
ISCJB	IX	03 09 49 32.2–.94	2.8N–.10	122.3E–.20	552	3.6b	¶601862856
IDC	IX	03 09 49 34.9–1.7	2.91N	122.61E	565–19	4.1,3.2	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=31.3km s-min=12.7km az=151.9.						
IDC	Error ellipse: s-maj=45.7km s-min=12.1km az=65.0.						
IDC	**IX**	**05 16 22 21.5–1.9**	**2.63N**	**123.37E**	**0**	**3.5,3.3**	¶601862991
IDC	Error ellipse: s-maj=236.0km s-min=26.8km az=63.0.						
IDC	**IX**	**06 13 42 06.1–3.1**	**2.35N**	**121.89E**	**569–44**	**3.8,3.0**	¶601863046
IDC	Error ellipse: s-maj=62.8km s-min=18.3km az=68.0.						
IDC	**IX**	**06 16 26 49.6–2.6**	**4.21N**	**123.62E**	**0**	**3.4,3.2**	¶601863054
IDC	Error ellipse: s-maj=347.1km s-min=27.2km az=63.0.						
IDC	**IX**	**10 22 31 11.2–1.8**	**3.77N**	**124.17E**	**0**	**3.8,3.6**	¶601863318
IDC	Error ellipse: s-maj=143.3km s-min=23.2km az=67.0.						
DJA	**IX**	**11 18 39 50.4–.70**	**3N–4.0**	**125E–3.0**	**301–6**	**3.8,3.8b**	¶602029631
IDC	**IX**	**13 17 53 02.1–1.5**	**3.35N**	**123.08E**	**0**	**3.9,3.8**	¶601863472
IDC	Error ellipse: s-maj=186.8km s-min=22.1km az=62.0.						
IDC	**IX**	**20 03 36 50.9–11**	**2.97N**	**122.84E**	**650–217**	**3.6,2.7**	¶601863864
IDC	Error ellipse: s-maj=100.9km s-min=49.1km az=86.0.						
IDC	**IX**	**20 22 15 57.7–1.6**	**2.00N**	**124.78E**	**0**	**3.9,3.8**	¶601863915
IDC	Error ellipse: s-maj=129.2km s-min=22.0km az=66.0.						
IDC	**IX**	**21 14 54 05.3–1.2**	**4.54N**	**124.05E**	**0**	**3.9,3.7**	¶601863954
IDC	Error ellipse: s-maj=64.0km s-min=20.5km az=80.0.						
ISC	**IX**	**22 00 09 51.7–1.4**	**4.3N–.30**	**124.4E–.70**	**35**	**3.8b**	**6 22-59**
IDC	IX	22 00 09 46.6–1.3	4.36N	124.38E	0	3.9,3.8	¶601863972
ISCJB	IX	22 00 09 49.2–1.2	4.4N–.30	124.5E–.70	33	3.7b,3.8	
ISC	Event type ke.						
ISCJB	Event type ke.						
IDC	**IX**	**23 16 00 47.3–12**	**4.04N**	**124.22E**	**309–130**	**3.8,3.2**	¶601864043
IDC	Error ellipse: s-maj=93.4km s-min=24.0km az=61.0.						
IDC	**IX**	**25 15 00 04.8–2.2**	**4.02N**	**123.54E**	**0**	**3.7,3.5**	¶601864156
IDC	Error ellipse: s-maj=311.1km s-min=24.8km az=63.0.						
MAN	**IX**	**27 11 29 02.9**	**5.26N**	**122.91E**	**13**	**4.4b,3.3L**	¶604684483
IDC	**X**	**01 15 04 09.4–1.3**	**4.30N**	**124.84E**	**0**	**4.5L,3.6**	¶601996404
IDC	Error ellipse: s-maj=67.6km s-min=22.4km az=75.0.						
IDC	**X**	**02 06 04 19.7–2.0**	**3.02N**	**124.85E**	**0**	**3.7,3.5**	¶601996766
IDC	Error ellipse: s-maj=203.6km s-min=25.4km az=64.0.						
IDC	**X**	**02 13 26 42.4–2.0**	**3.64N**	**123.13E**	**0**	**3.4,3.2**	¶601996804
IDC	Error ellipse: s-maj=236.7km s-min=27.3km az=63.0.						
IDC	**X**	**03 03 22 22.3–1.3**	**3.63N**	**123.00E**	**0**	**3.9,3.8b**	¶601996883
IDC	Error ellipse: s-maj=204.1km s-min=19.1km az=63.0.						
ISC	**X**	**03 12 57 10.2–.58**	**2.64N–.06**	**124.62E–.07**	**300**	**3.6b**	**38 1-121**
ISCJB	X	03 12 57 09.4–.46	2.77N–.05	124.62E–.06	300	3.7b	¶601996942
DJA	X	03 12 57 11.8–.60	3N–6.0	125E–3.0	306–5	4.4,4.3	
IDC	X	03 12 57 11.8–1.8	2.64N	124.53E	320–19	4.3,3.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=8.5km s-min=6.8km az=14.4.						
IDC	Error ellipse: s-maj=17.3km s-min=8.0km az=82.0.						
ISC	**X**	**05 16 33 24.3–1.0**	**2.42N–.08**	**124.58E–.07**	**288**	**3.8b**	**14 2-57**
IDC	X	05 16 32 56.1–1.5	2.27N	123.74E	0	4.2,4.1	¶601997177
ISCJB	X	05 16 33 23.1–.70	2.44N–.08	124.58E–.07	288	3.7b,4.1	
DJA	X	05 16 33 23.1–.70	2N–5.0	125E–4.0	284–6	3.3,3.3	
ISC	Event type ke.						
ISCJB	Event type ke.						
IDC	**X**	**06 11 27 56.0–2.2**	**3.62N**	**123.36E**	**0**	**3.7,3.6**	¶601997266
IDC	Error ellipse: s-maj=316.3km s-min=25.0km az=63.0.						
ISC	**X**	**07 11 55 07.1–.82**	**3.7N–.30**	**123.0E–.70**	**545**	**3.9b**	**13 22-90**
ISCJB	X	07 11 55 05.9–.75	3.7N–.30	122.9E–.70	545	3.8b	¶601997366
IDC	X	07 11 55 08.0–1.6	3.64N	122.96E	552–18	4.1,3.3	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=93.9km s-min=11.9km az=158.5.						
IDC	Error ellipse: s-maj=97.1km s-min=10.2km az=66.0.						
IDC	**X**	**13 14 54 40.3–2.4**	**4.35N**	**123.67E**	**0**	**3.8,3.6**	¶601998129
IDC	Error ellipse: s-maj=321.6km s-min=25.4km az=63.0.						
MAN	**X**	**14 04 00 23.7**	**4.85N**	**124.70E**	**10**	**5.0b,3.9L**	¶604684600
ISC	**X**	**17 04 42 31.1–.20**	**4.18N–.02**	**124.56E–.03**	**338–1**	**5.8b**	**2447 1-174**
BJI	X	17 04 42 30.9	4.21N	124.56E	330	6.0b,5.9b	¶601837362
MAN	X	17 04 42 30.0	3.99N	124.53E	329	6.1b,5.7s	
MOS	X	17 04 42 30.1–.86	4.19N	124.53E	342	5.9b,5.7s	
NEIC	X	17 04 42 30.4–.35	4.23N	124.52E	326–3	6.1W,6.0W	
IDC	X	17 04 42 30.6–.35	4.22N	124.54E	329–3	6.0,5.4	
ISCJB	X	17 04 42 31.0–.15	4.19N–.01	124.60E–.02	351–1	5.8b,5.4	
NEIC	X	17 04 42 31.0–.00	4.19N	124.57E	340	5.8b,5.4	
GCMT	X	17 04 42 31.4–.10	4.26N–.01	124.49E–.01	333–0	6.0W,5.4	
DJA	X	17 04 42 31.4–.20	4N–2.0	125E–2.0	328–2	6.6,6.0b	
KLM	X	17 04 42 32.0	3.96N	124.64E	378	6.4b,6.0b	
NEIC	X	17 04 42 42.4–.00	3.93N	124.64E	355	6.4b,6.0b	
ISC	Event type fe.						
MOS	Error ellipse: s-maj=7.2km s-min=4.2km az=112.0.						
NEIC	Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=69.0. Felt [IV PIVS] at Cateel and Talagutong; [III PIVS] at Digos, Malita and San Isidro; [II PIVS] at Davao and Magugpo; [I PIVS] at General Santos, Philippines. Felt [IV] in the Kepulauan Talaud, Indonesia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.26 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.38 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s10.00000°,δ57.00000°,λ-52.00000°. NP2:ϕ_s136.00000°,δ49.00000°,λ-133.00000°. Principal axes: T 1.5700,Plg5.0000° ,Azm75.0000°; N 0.2700,Plg31.0000°,Azm167.0000°; P -1.8300,Plg59.0000°,Azm337.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ55.00000°,λ-45.00000°. NP2:ϕ_s145.00000°,δ55.00000°,λ-135.00000°. Principal axes: T Plg0.0000°,Azm265.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000° ,Azm355.0000°						
IDC	Error ellipse: s-maj=6.3km s-min=4.9km az=81.0.						
ISCJB	Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=164.3.						
NEIC	Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.96 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.73 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.12 Best double couple: NP1:ϕ_s144.00000° ,δ52.00000°,λ-129.00000°. NP2:ϕ_s17.00000°,δ52.00000°,λ-50.00000°. Principal axes: T 1.1200,Plg0.0000°,Azm260.0000°; N 0.2800,Plg30.0000°,Azm170.0000° ; P -1.4000,Plg59.0000°,Azm350.0000° $M_0$1.30000×10^{18}						
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s140,c325; s114,c163; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.94±.01 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$-0.84±.01; $M_{\theta\phi}$-0.16±.01; $M_{\phi r}$-0.21±.01; Best double couple: NP1:ϕ_s22.00000°,δ57.00000° ,λ-51.00000°. NP2:ϕ_s145.00000°,δ50.00000°,λ-134.00000°. Principal axes: T 1.0690,Plg4.0000°,Azm85.0000°; N 0.4200,Plg32.0000°,Azm177.0000° ; P -1.4910,Plg58.0000°,Azm349.0000° $M_0$1.28000×10^{18}						
NEIC	Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.06 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$1.31 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s151.00000° ,δ46.00000°,λ-134.00000°. NP2:ϕ_s25.00000°,δ59.00000°,λ-54.00000°. Principal axes: T 1.3500,Plg7.0000°,Azm90.0000°; N 0.2000,Plg30.0000°,Azm185.0000° ; P -1.5400,Plg59.0000°,Azm348.0000° $M_0$1.40000×10^{18}						
IDC	**X**	**17 17 05 50.1–1.7**	**3.44N**	**122.61E**	**0**	**3.5,3.3**	¶601998687
IDC	Error ellipse: s-maj=203.9km s-min=25.5km az=62.0.						
ISC	**X**	**17 17 51 30.0–1.1**	**4.37N–.04**	**124.63E–.09**	**10**		**15 1-6**
DJA	X	17 17 51 25.0–1.2	5N–11	125E–7.0	10	4.8b,4.3b	¶601998691
ISCJB	X	17 17 51 28.8–.60	4.41N–.04	124.58E–.08	10	4.8b,4.3b	
MAN	X	17 17 51 37.5	4.88N	124.16E	9	4.1b,2.9L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=11.6km s-min=5.7km az=10.1.						
ISC	**X**	**17 18 13 32.8–.37**	**3.97N–.06**	**122.65E–.08**	**604**	**4.3b**	**99 3-142**
ISCJB	X	17 18 13 31.4–.24	4.01N–.04	122.68E–.05	604	4.3b	¶601837586
DJA	X	17 18 13 32.9–.80	4N–9.0	123E–5.0	578–6	4.8b,4.8	
IDC	X	17 18 13 32.4–.77	4.03N	122.57E	595–10	4.6,3.6	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=148.4.						
IDC	Error ellipse: s-maj=12.9km s-min=6.5km az=70.0.						
IDC	**X**	**21 20 23 12.8–1.8**	**2.01N**	**124.74E**	**0**	**3.7,3.5**	¶601999206
IDC	Error ellipse: s-maj=193.0km s-min=23.8km az=64.0.						
ISC	**X**	**22 01 02 26.6–.46**	**4.14N–.03**	**124.68E–.05**	**346–4**	**4.4b**	**243 1-123**
BJI	X	22 01 02 20.5	3.77N	124.90E	331	4.5b,4.4b	¶601840564
NEIC	X	22 01 02 25.8–.55	4.21N	124.57E	333–6	4.6b,4.4b	
ISCJB	X	22 01 02 25.5–.23	4.17N–.02	124.68E–.04	348–2	4.3b,4.4b	
MAN	X	22 01 02 25.5	3.29N	123.57E	143	5.1b,4.1s	
MOS	X	22 01 02 27.4–.78	4.18N	124.61E	371	4.6b,4.1s	
IDC	X	22 01 02 28.3–1.4	4.15N	124.52E	362–15	4.7,4.0	
DJA	X	22 01 02 34.2–1.1	4N–11	125E–3.0	260–9	5.2b,4.7b	
ISC	Event type se.						
NEIC	Event type se.						
ISCJB	Event type se.						
IDC	**X**	**24 17 48 48.7–1.2**	**4.43N**	**124.28E**	**0**	**3.9,3.7**	¶601999514
IDC	Error ellipse: s-maj=104.8km s-min=18.2km az=71.0.						
IDC	**X**	**26 02 51 26.7–1.9**	**4.31N**	**123.70E**	**0**	**4.0,3.9**	¶601999685
IDC	Error ellipse: s-maj=150.1km s-min=24.5km az=66.0.						
ISC	**X**	**29 21 46 58.8–.36**	**3.19N–.05**	**121.89E–.06**	**618**	**4.1b**	**128 3-89**
ISCJB	X	29 21 46 57.6–.19	3.26N–.03	121.89E–.04	618	4.1b	¶601859244
NEIC	X	29 21 46 58.5–.41	3.25N	121.85E	606–6	4.3b	
DJA	X	29 21 46 58.7–.30	3N–4.0	122E–3.0	598–2	4.8b,4.5	
IDC	X	29 21 46 58.8–.73	3.24N	121.86E	616–10	4.5,3.5	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=3.3km az=148.2.						
NEIC	Event type se. Error ellipse: s-maj=13.1km s-min=5.5km az=53.0.						
IDC	Error ellipse: s-maj=12.6km s-min=7.1km az=63.0.						
IDC	**XI**	**04 10 05 16.0–2.0**	**3.63N**	**123.92E**	**0**	**3.8,3.6**	¶602388798
IDC	Error ellipse: s-maj=208.0km s-min=27.2km az=63.0.						
IDC	**XI**	**04 13 41 36.3–2.1**	**3.73N**	**123.29E**	**0**	**3.7,3.5**	¶602388806
IDC	Error ellipse: s-maj=285.7km s-min=26.0km az=63.0.						
IDC	**XI**	**05 01 24 01.7–1.1**	**4.39N**	**124.71E**	**0**	**4.0,3.8b**	¶602388831
IDC	Error ellipse: s-maj=70.2km s-min=20.5km az=73.0.						
ISC	**XI**	**05 08 43 04.6–.84**	**4.69N–.06**	**124.94E–.10**	**10**	**3.7b**	**17 1-85**
ISCJB	XI	05 08 43 03.3–.64	4.65N–.05	125.00E–.10	10	3.8b	¶602388853
MAN	XI	05 08 43 03.9	4.59N	124.62E	7	5.3b,4.5s	
IDC	XI	05 08 43 17.4–2.4	4.65N	125.17E	125–24	3.9,3.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=14.1km s-min=6.0km az=167.9.						
IDC	Error ellipse: s-maj=47.5km s-min=14.2km az=81.0.						
ISC	**XI**	**05 10 45 58.0–.91**	**4.50N–.07**	**124.8E–.10**	**35**	**3.6b,3.1s**	**18 2-123**
MAN	XI	05 10 45 51.5	4.37N	124.58E	9	5.5b,4.7s	¶602388859
IDC	XI	05 10 45 53.5–.84	4.40N	124.69E	0	4.4L,4.0	
ISCJB	XI	05 10 45 55.8–.60	4.47N–.04	124.7E–.10	33	3.7b,3.1s	
ISC	Event type ke.						
ISCJB	Event type ke.						
DJA	**XI**	**06 04 03 27.1–3.7**	**2N–29**	**123E–16**	**10**	**5.4b,4.8**	¶606792910
IDC	**XI**	**06 13 55 06.7–1.8**	**4.01N**	**123.74E**	**0**	**3.9,3.8**	¶602388915
IDC	Error ellipse: s-maj=139.8km s-min=23.0km az=66.0.						
MAN	**XI**	**10 18 47 45.0**	**4.89N**	**124.36E**	**15**	**5.0b,3.9L**	¶604684736
ISC	**XI**	**12 11 34 15.2–1.2**	**4.1N–.20**	**123.6E–.10**	**500**	**3.8b**	**14 4-55**
DJA	XI	12 11 34 09.2–.50	5N–11	124E–9.0	518–19	4.9b,4.2	¶602389283
ISCJB	XI	12 11 34 13.7–1.1	4.1N–.10	123.5E–.10	500	3.6b,4.2	
IDC	XI	12 11 34 15.5–3.0	4.15N	123.56E	499–36	4.0,3.2	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=20.9km s-min=16.3km az=28.9.						
IDC	Error ellipse: s-maj=57.3km s-min=20.4km az=68.0.						
IDC	**XI**	**16 07 49 35.1–1.3**	**3.77N**	**124.86E**	**0**	**4.1,4.0**	¶602389493
IDC	Error ellipse: s-maj=107.8km s-min=17.9km az=67.0.						
ISC	**XI**	**17 18 41 11.8–1.4**	**2.1N–.10**	**121.5E–.10**	**35**	**3.0b**	**12 2-56**
IDC	XI	17 18 41 07.5–1.6	1.95N	121.61E	0	3.5,3.3	¶602389577
ISCJB	XI	17 18 41 10.1–1.1	2.10N–.08	121.61E–.09	33	3.0b,3.3	
DJA	XI	17 18 41 10.5–1.0	2N–6.0	121E–3.0	10	3.4,3.4	
ISC	Event type ke.						
ISCJB	Event type ke.						
IDC	**XI**	**20 10 07 11.6–1.7**	**2.30N**	**122.78E**	**0**	**3.6,3.4**	¶602389734
IDC	Error ellipse: s-maj=200.3km s-min=26.0km az=62.0.						
IDC	**XI**	**21 13 51 08.7–4.6**	**3.71N**	**123.09E**	**552–66**	**4.1,3.2**	¶602389789
IDC	Error ellipse: s-maj=103.9km s-min=17.4km az=63.0.						
ISC	**XI**	**23 13 12 39.1–.38**	**3.83N–.06**	**122.90E–.07**	**573**	**4.2b**	**99 3-99**
BJI	XI	23 13 12 35.4	3.59N	122.87E	547	4.6b,4.4b	¶601993936
KLM	XI	23 13 12 35.0	3.77N	123.23E	562	4.5b,4.4b	
DJA	XI	23 13 12 37.0–1.1	4N–15	123E–7.0	561	4.7b,4.4	
ISCJB	XI	23 13 12 37.9–.22	3.83N–.04	122.90E–.04	573	4.3b,4.4	
NEIC	XI	23 13 12 38.1–.43	3.89N	122.86E	554–6	4.6b,4.4	
IDC	XI	23 13 12 39.2–.86	3.90N	122.97E	572–10	4.5,3.6	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=142.5.						
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=50.0.						

IDC Error ellipse: s-maj=20.5km s-min=7.2km az=63.0.
IDC XI 29 07 55 03.6–2.1 4.88N 124.73E 0 3.6,3.4
¶602390159

IDC Error ellipse: s-maj=207.3km s-min=25.3km az=64.0.
IDC XII 01 14 22 46.8–30 2.10N 120.55E 0 3.6,3.4
¶602390280

IDC Error ellipse: s-maj=556.7km s-min=153.3km az=123.0.
IDC XII 05 17 51 00.3–2.3 3.91N 123.63E 0 3.8,3.6
¶602390510

IDC Error ellipse: s-maj=297.8km s-min=27.6km az=63.0.
IDC XII 06 12 50 36.0–1.6 3.79N 123.21E 0 3.5,3.3
¶602390552

IDC Error ellipse: s-maj=228.3km s-min=21.2km az=63.0.
IDC XII 20 00 28 53.0–7.8 4.49N 123.96E 499–112 3.6,2.8
¶602391697

IDC Error ellipse: s-maj=133.1km s-min=25.5km az=68.0.
IDC XII 27 18 27 34.3–21 3.68N 124.07E 408–256 3.8,3.1
¶602380727

IDC Error ellipse: s-maj=288.7km s-min=25.2km az=57.0.
IDC XII 30 05 21 35.1–1.9 2.96N 124.12E 0 3.6,3.5
¶602380876

IDC Error ellipse: s-maj=206.0km s-min=25.6km az=63.0.

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ISC VII 01 06 28 42.5–3.9 3.3N–.40 126.3E–.20 63 3.4b 10 4-92
DJA VII 01 06 28 50.5–2.8 3N–8.0 126E–4.0 22–27 5.3b,4.7 **¶602027352**
IDC VII 01 06 28 55.2–1.8 1.17N 127.54E 0 4.0L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=102.0km s-min=24.8km az=68.0.
ISC VII 06 17 36 47.8–1.1 4.45N–.09 125.9E–.10 150 3.4b 11 2-57
IDC VII 06 17 36 30.5–2.0 4.64N 125.59E 0 3.6,3.4 **¶601663550**
ISCJB VII 06 17 36 47.3–.78 4.41N–.06 126.0E–.10 150 3.4b,3.4
MAN VII 06 17 36 47.7 4.79N 125.84E 206 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=120.0km s-min=25.4km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=7.1km az=165.6.
ISC VII 09 00 14 45.2–.87 4.0N–.20 126.4E–.40 45 3.8b 10 3-67
ISCJB VII 09 00 14 43.1–.71 4.0N–.10 126.3E–.40 45 3.7b,2.8s **¶601664315**
IDC VII 09 00 14 49.2–9.9 3.95N 126.36E 85–98 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=57.3km s-min=12.0km az=163.7.
IDC Error ellipse: s-maj=61.8km s-min=17.5km az=75.0.
ISC VII 11 05 32 36.4–.42 3.12N–.06 127.05E–.08 44 4.4b,4.0s 88 2-123
ISCJB VII 11 05 32 34.3–.26 3.15N–.03 127.08E–.05 44 4.3b,3.9s **¶601261275**
IDC VII 11 05 32 34.5–4.0 3.07N 126.87E 31–29 4.1,4.1
NEIC VII 11 05 32 35.2–.79 3.08N 127.06E 40–7 4.4b,4.1
DJA VII 11 05 32 39.7–.70 3N–6.0 127E–4.0 54–7 4.9b,4.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 11 18 47 09.5–1.4 2.58N 125.53E 0 3.7,3.5
¶601664442

IDC Error ellipse: s-maj=113.6km s-min=18.6km az=68.0.
IDC VII 11 22 36 03.8–1.6 3.24N 127.14E 0 3.6,3.5
¶601664454

IDC Error ellipse: s-maj=108.0km s-min=19.6km az=70.0.
IDC VII 13 15 15 26.5–1.1 3.05N 126.99E 0 3.8,3.7
¶601664533

IDC Error ellipse: s-maj=95.1km s-min=14.9km az=70.0.
ISC VII 14 12 14 24.2–.31 4.72N–.04 126.83E–.05 81 4.6b 235 2-123
MOS VII 14 12 14 17.6–.82 4.78N 126.57E 33 5.1b **¶601273330**
MAN VII 14 12 14 19.5 4.26N 126.76E 80 5.0b,4.0s
ISCJB VII 14 12 14 22.6–.16 4.76N–.02 126.80E–.03 81 4.5b,4.0s
BJI VII 14 12 14 22.4 4.73N 126.66E 73 4.8b,4.6b
IDC VII 14 12 14 23.0–2.3 4.73N 126.61E 69–21 4.5,4.2
NEIC VII 14 12 14 24.4–.75 4.77N 126.75E 82–7 4.6b,4.2
DJA VII 14 12 14 26.4–.40 5N–4.0 127E–3.0 83–5 5.0b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 14 21 46 23.0–.92 4.72N–.07 126.4E–.10 10 3.8b 17 2-91
IDC VII 14 21 46 21.0–.83 5.43N 126.71E 0 4.0,3.8 **¶601664589**
MAN VII 14 21 46 22.9 4.71N 126.71E 9 5.2b,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=58.8km s-min=15.5km az=71.0.
IDC VII 15 09 33 35.2–6.8 3.32N 127.65E 0 3.9,3.7
¶601664611

IDC Error ellipse: s-maj=147.3km s-min=108.0km az=78.0.
ISC VII 15 10 52 39.6–1.2 4.2N–.10 125.8E–.30 107 3.5b 11 2-61
IDC VII 15 10 52 26.8–1.7 4.49N 126.29E 0 3.8s,3.8 **¶601664617**
ISCJB VII 15 10 52 38.5–.87 4.2N–.10 125.9E–.30 107 3.5b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC VII 16 06 32 26.9–2.4 4.36N 127.16E 0 3.6,3.4b
¶601664660

IDC Error ellipse: s-maj=192.7km s-min=25.5km az=66.0.
IDC VII 16 08 36 59.4–1.1 2.16N 125.91E 0 3.6,3.5b
¶601664664

IDC Error ellipse: s-maj=136.3km s-min=17.9km az=67.0.
IDC VII 16 18 10 39.3–1.8 4.13N 127.16E 0 3.4,3.2
¶601664686

IDC Error ellipse: s-maj=145.1km s-min=26.7km az=66.0.
IDC VII 19 10 22 33.3–12 3.52N 127.19E 0 4.0,3.8
¶601664828

IDC Error ellipse: s-maj=212.5km s-min=107.1km az=144.0.
IDC VII 19 16 43 27.8–1.7 3.80N 126.30E 0 3.6,3.4
¶601664841

IDC Error ellipse: s-maj=117.8km s-min=20.9km az=70.0.
ISC VII 20 20 24 21.0–.43 3.45N–.03 125.94E–.04 104–3 4.9b 471 3-169
BJI VII 20 20 24 18.0 3.40N 125.80E 91 4.9b,4.7b **¶601453730**
ISCJB VII 20 20 24 20.0–.28 3.43N–.02 125.91E–.03 110–2 4.9b,4.7b
IDC VII 20 20 24 20.7–.74 3.39N 125.72E 102–6 4.8,4.5
NEIC VII 20 20 24 20.5–.14 3.40N 125.81E 101 5.0b,4.5
GCMT VII 20 20 24 20.5–.30 3.39N 125.97E 83–2 4.8W,4.5
MOS VII 20 20 24 21.0–1.4 3.45N 125.70E 117 5.0b,4.5
DJA VII 20 20 24 22.4–.20 3N–2.0 126E–2.0 78–4 5.3b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s38,c43; s58,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.66±.09 $M_{\theta\theta}$1.02±.08; $M_{\phi\phi}$0.64±.11; $M_{r\theta}$-0.58±.05; $M_{\theta f}$1.23±.07; $M_{\phi r}$-0.22±.08; Best double couple: NP1:ϕ_s58.00000°,δ54.00000°,λ-79.00000°. NP2:ϕ_s220.00000°,δ37.00000°,λ-104.00000°. Principal axes: T 2.1650,Plg9.0000°,Azm140.0000°; N -0.3810,Plg9.0000°,Azm231.0000° ; P -1.7810,Plg78.0000°,Azm5.0000° $M_0$1.97300×10^{16}
ISC VII 21 19 40 37.6–.67 4.96N–.06 127.03E–.09 76 4.1b 39 2-73
IDC VII 21 19 40 26.0–2.1 5.62N 127.79E 0 3.9,3.8 **¶601627829**
NEIC VII 21 19 40 35.9–1.5 5.19N 127.01E 66–15 4.6b,3.8
MAN VII 21 19 40 38.0 4.82N 126.85E 125 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=193.1km s-min=18.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=8.2km az=70.0.
ISC VII 23 02 19 41.4–.80 5.0N–.10 127.4E–.20 150 3.9b 16 26-90
ISCJB VII 23 02 19 39.3–.68 5.0N–.10 127.4E–.20 150 3.8b **¶601666292**
IDC VII 23 02 19 41.5–.84 4.96N 127.40E 152–7 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=13.8km az=162.4.
IDC Error ellipse: s-maj=28.6km s-min=12.6km az=71.0.
IDC VII 23 15 50 12.3–10 3.63N 127.67E 0 3.8,3.6
¶601666317

IDC Error ellipse: s-maj=169.4km s-min=140.6km az=156.0.

IDC VII 24 11 09 08.3–2.3 3.49N 127.12E 0 3.4,3.2
¶601666373

IDC Error ellipse: s-maj=170.5km s-min=28.9km az=66.0.
ISC VII 24 12 58 35.8–2.5 4.80N–.10 126.9E–.10 26–17 4.0b 19 2-67
IDC VII 24 12 58 28.7–1.1 5.65N 128.54E 0 4.5L,4.0 **¶601666376**
MAN VII 24 12 58 38.4 4.93N 126.84E 27 5.2b,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=67.9km s-min=15.9km az=66.0.
ISC VII 26 23 40 22.6–1.5 3.6N–.40 127E–1.0 53 3.7b 7 24-91
IDC VII 26 23 40 16.0–1.2 3.40N 126.47E 0 3.8,3.7 **¶601666502**
ISC Event type ke.
IDC Error ellipse: s-maj=131.9km s-min=18.5km az=68.0.
ISC VII 27 02 58 53.1–1.3 4.37N–.09 125.0E–.10 35 3.7b 11 2-56
IDC VII 27 02 58 47.0–2.3 4.82N 126.41E 0 4.0,3.8b **¶601666505**
ISCJB VII 27 02 58 50.9–.91 4.32N–.06 125.0E–.10 35 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 28 14 04 08.7–.63 4.57N–.07 125.9E–.10 150 4.0b 26 2-91
IDC VII 28 14 04 06.7–.91 4.84N 126.28E 131–8 4.1,3.8 **¶601666566**
ISCJB VII 28 14 04 07.2–.55 4.48N–.05 125.8E–.10 150 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC VII 28 15 38 02.0–2.0 4.72N 126.15E 0 3.6,3.4
¶601666572

IDC Error ellipse: s-maj=190.6km s-min=23.1km az=66.0.
ISC VII 31 11 05 30.3–.71 4.0N–.10 127.7E–.20 71 4.1b 14 6-91
ISCJB VII 31 11 05 28.4–.54 3.99N–.09 127.7E–.20 71 4.1b **¶601650818**
IDC VII 31 11 05 37.2–2.7 3.90N 127.96E 144–29 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=7.9km az=155.6.
IDC Error ellipse: s-maj=31.0km s-min=11.3km az=79.0.
IDC VIII 01 21 32 57.7–3.9 3.93N 127.72E 125–42 3.9,3.6
¶601765325

IDC Error ellipse: s-maj=64.8km s-min=17.3km az=74.0.
ISC VIII 02 04 57 49.3–1.1 3.6N–.20 126.4E–.30 53 3.7b 7 7-62
IDC VIII 02 04 57 42.5–1.0 3.38N 125.76E 0 4.0,3.9 **¶601765336**
ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=17.9km az=60.0.
IDC VIII 05 00 43 00.5–2.3 4.51N 127.01E 0 3.8,3.7
¶601765475

IDC Error ellipse: s-maj=182.7km s-min=28.0km az=65.0.
ISC VIII 06 02 05 29.7–1.5 3.6N–.20 127.4E–.70 48 4.1b,2.8s 9 22-74
IDC VIII 06 02 05 23.6–1.4 3.53N 127.02E 0 3.9,3.8b **¶601765531**
ISC Event type ke.
IDC Error ellipse: s-maj=105.4km s-min=16.7km az=72.0.
ISC VIII 06 16 03 12.4–.68 3.49N–.04 125.71E–.08 150 3.9b 29 0-61
IDC VIII 06 16 03 12.1–2.6 3.50N 125.37E 166–24 4.1,3.7 **¶601765561**
ISCJB VIII 06 16 03 13.7–.46 3.47N–.03 125.70E–.07 150 3.9b,3.7
DJA VIII 06 16 03 15.6–1.0 3N–6.0 126E–4.0 156–8 5.5b,4.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 07 19 20 41.4–.77 3.62N–.03 126.69E–.05 70–7 4.8b 190 3-145
ISCJB VIII 07 19 20 39.6–.37 3.63N–.02 126.70E–.03 70–3 4.6b **¶601531848**
BJI VIII 07 19 20 40.4 3.60N 126.70E 60 5.3b,4.7b
IDC VIII 07 19 20 40.3–1.5 3.58N 126.47E 61–13 4.4,4.2
NEIC VIII 07 19 20 42.0–.62 3.61N 126.63E 76–6 4.9b,4.2
DJA VIII 07 19 20 41.8–1.1 4N–5.0 127E–3.0 37–28 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 12 01 22 29.5–.56 3.14N–.08 126.6E–.10 10 4.0b,3.5s 40 3-123
ISCJB VIII 12 01 22 27.8–.39 3.12N–.05 126.51E–.09 10 3.9b,3.4s **¶601565841**
IDC VIII 12 01 22 27.8–.59 3.12N 126.44E 0 4.1,4.0
NEIC VIII 12 01 22 28.8–3.9 3.13N 126.50E 6–24 4.3b,4.0
MAN VIII 12 01 22 31.4 3.24N 126.71E 125 5.2b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=4.3km az=156.5.
IDC Error ellipse: s-maj=30.3km s-min=12.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.2km az=77.0.
IDC VIII 13 22 36 37.0–1.7 3.48N 125.43E 0 3.8,3.8
¶601765811

IDC Error ellipse: s-maj=187.6km s-min=25.0km az=69.0.
IDC VIII 15 07 43 54.5–1.3 3.90N 126.10E 0 3.7,3.6
¶601765871

IDC Error ellipse: s-maj=107.4km s-min=17.6km az=71.0.
IDC VIII 17 22 14 08.9–1.6 4.52N 126.02E 0 3.8,3.7
¶601766016

IDC Error ellipse: s-maj=111.4km s-min=18.9km az=69.0.
IDC VIII 20 23 10 13.1–1.7 2.57N 125.32E 0 3.5,3.4b
¶601766223

IDC Error ellipse: s-maj=190.6km s-min=21.0km az=65.0.
IDC VIII 21 07 40 29.0–1.9 4.68N 126.87E 0 3.9,3.7
¶601766241

IDC Error ellipse: s-maj=169.2km s-min=21.0km az=67.0.
ISC VIII 25 17 37 25.0–.60 3.62N–.07 126.2E–.10 100 4.3b 32 3-76
IDC VIII 25 17 37 14.3–1.1 3.44N 125.58E 0 3.8,3.8L **¶601766457**
ISCJB VIII 25 17 37 22.9–.43 3.61N–.06 126.21E–.09 100 4.4b,3.8L
NEIC VIII 25 17 37 24.0–1.3 3.50N 126.19E 82–13 4.5b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=66.9km s-min=17.6km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.2km az=150.3.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=8.5km az=54.0.
ISC VIII 27 11 44 39.4–.76 3.6N–.10 126.6E–.10 53 3.9b 14 6-67
IDC VIII 27 11 44 32.7–.74 3.58N 126.48E 0 4.1,4.1L **¶601766565**
ISCJB VIII 27 11 44 37.3–.55 3.56N–.10 126.6E–.10 53 3.9b,4.1L
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 27 17 54 25.1–.81 3.54N–.03 126.76E–.04 29–5 5.2b,4.6s 558 1-161
BJI VIII 27 17 54 16.5 3.16N 126.89E 10 5.4b,5.1b **¶601627768**
ISCJB VIII 27 17 54 23.9–.13 3.58N–.02 126.77E–.03 33 5.1b,4.6s
MOS VIII 27 17 54 24.9–.97 3.76N 126.59E 33 5.4b,4.5s
IDC VIII 27 17 54 24.7–2.8 3.52N 126.71E 28–18 4.9,4.8
DJA VIII 27 17 54 25.9–.50 4N–5.0 127E–3.0 10 5.4,5.3b
NEIC VIII 27 17 54 26.1–.72 3.62N 126.70E 36–6 5.3b,5.3b
GCMT VIII 27 17 54 27.1–.20 3.68N–.01 127.09E–.01 19–0 5.2W,5.3b
KLM VIII 27 17 54 28.0 3.73N 126.90E 65 5.1b,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.4km az=154.8.
MOS Error ellipse: s-maj=9.1km s-min=4.7km az=116.5.
IDC Error ellipse: s-maj=13.5km s-min=8.3km az=78.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=80.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c120; s97,c166;Duration: 1ş0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.65±.01; $M_{r\theta}$0.16±.03; $M_{\theta\phi}$-0.16±.01; $M_{\phi r}$0.47±.03; Best double couple: NP1:ϕ_s17.00000°,δ63.00000°,λ93.00000°. NP2:ϕ_s189.00000°,δ27.00000°,λ83.00000°. Principal axes: T 0.8290,Plg72.0000° ,Azm294.0000°; N 0.0250,Plg3.0000°,Azm195.0000°; P -0.8540,Plg18.0000°,Azm104.0000° $M_0$0.84200×10^{17}
ISC VIII 27 19 03 11.2–.95 3.8N–.10 127.2E–.10 36 3.5b 14 2-62
ISCJB VIII 27 19 03 09.9–.74 3.86N–.08 127.17E–.09 36 3.7b,3.6s **¶601766584**
DJA VIII 27 19 03 10.0–3.2 4N–17 127E–7.0 14–34 4.4b,3.9
IDC VIII 27 19 03 16.3–4.6 3.72N 127.34E 84–48 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=10.1km az=144.7.
IDC Error ellipse: s-maj=51.6km s-min=18.6km az=69.0.
IDC VIII 27 23 15 18.7–1.4 3.64N 127.05E 0 3.6,3.5
¶601766590

IDC Error ellipse: s-maj=146.4km s-min=19.6km az=69.0.
IDC VIII 28 09 09 00.8–1.2 3.71N 126.91E 0 4.1,4.0b
¶601755508

IDC Error ellipse: s-maj=161.0km s-min=17.0km az=68.0.

IDC VIII 29 16 08 53.8–2.1 3.53N 126.62E 0 3.5,3.3 ¶601755567

IDC Error ellipse: s-maj=125.2km s-min=27.9km az=69.0.
IDC IX 03 06 22 20.5–1.8 3.56N 125.00E 0 3.7,3.6 ¶601862842

IDC Error ellipse: s-maj=195.3km s-min=23.1km az=65.0.
IDC IX 04 06 43 08.1–1.7 4.18N 127.71E 0 4.3,4.2 ¶601862909

IDC Error ellipse: s-maj=88.9km s-min=17.3km az=70.0.
IDC IX 05 04 28 12.3–2.0 3.19N 127.25E 0 3.8,3.6b ¶601862967

IDC Error ellipse: s-maj=115.2km s-min=25.2km az=70.0.

ISC	IX	05 19 22 05.2–.73	3.65N–.08	126.88E–.09	53	3.8b	16	1-90
IDC	IX	05 19 21 58.4–.85	3.39N	126.31E	0	3.9,3.8		¶601863002
DJA	IX	05 19 22 02.5–1.0	4N–6.0	127E–5.0	10	4.3b,4.1		
ISCJB	IX	05 19 22 03.4–.64	3.72N–.06	127.00E–.07	53	3.8b,4.1		

ISC Event type ke.
ISCJB Event type ke.
IDC IX 06 01 39 07.9–2.0 2.74N 125.21E 0 3.6,3.4 ¶601863019

IDC Error ellipse: s-maj=186.7km s-min=25.6km az=64.0.

ISC	IX	06 02 22 18.4–.47	4.45N–.03	126.93E–.04	57–4	5.3b,4.2s	828	2-172
BJI	IX	06 02 22 14.5	4.14N	127.03E	63	5.2b,5.1b		¶601676723
MOS	IX	06 02 22 15.3–.91	4.56N	126.82E	39	5.5b,5.1b		
MAN	IX	06 02 22 18.5	4.28N	126.40E	1	5.5b,4.9s		
IDC	IX	06 02 22 18.6–1.6	4.51N	126.87E	56–14	5.1,4.9		
ISCJB	IX	06 02 22 19.4–.34	4.46N–.02	126.93E–.03	81–3	5.1b,4.9		
NEIC	IX	06 02 22 20.1–.67	4.50N	126.88E	71–6	5.3b,4.9		
DJA	IX	06 02 22 21.1–.80	4N–3.0	127E–3.0	22–7	5.5b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Melonguanne.

ISC	IX	09 08 22 06.1–1.5	3.64N–.08	127.5E–.10	45	3.5b	10	2-58
IDC	IX	09 08 22 04.9–2.0	3.18N	127.33E	0	3.8,3.6		¶601863222
ISCJB	IX	09 08 22 05.0–.89	3.61N–.08	127.41E–.10	45	3.5b,3.6		
DJA	IX	09 08 22 13.9–1.4	3N–5.0	127E–4.0	39–36	4.0,4.0		
MAN	IX	09 08 22 32.6	5.22N	126.20E	82	4.5b,3.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=103.4km s-min=25.1km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.2km az=146.7.

ISC	IX	10 11 23 29.7–.40	3.98N–.04	126.28E–.05	50–3	5.0b,3.8s	307	1-158
MAN	IX	10 11 23 18.2	3.37N	126.75E	47	5.7b,5.2s		¶601698293
BJI	IX	10 11 23 25.0	3.66N	126.54E	45	5.0b,4.8b		
MOS	IX	10 11 23 26.4–1.1	4.01N	125.99E	37	5.1b,4.8b		
DJA	IX	10 11 23 28.1–.50	4N–5.0	126E–5.0	10	5.4,5.3		
ISCJB	IX	10 11 23 29.1–.40	3.99N–.02	126.19E–.03	61–3	4.9b,5.3		
NEIC	IX	10 11 23 29.5–.56	4.00N	126.13E	50–5	5.1b,5.3		
GCMT	IX	10 11 23 30.5–.30	3.98N–.02	126.23E–.02	46–2	4.9W,5.3		
IDC	IX	10 11 23 30.4–.68	3.96N	126.07E	58–5	4.8,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=11.3km s-min=5.2km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=166.1.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=78.0. Felt [III] at Melonguanne.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c38; s62,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.17 $M_{\theta\theta}$2.95±.10; $M_{\phi\phi}$-1.88±.14; $M_{r\theta}$-1.02±.10; $M_{\theta\phi}$-0.41±.10; $M_{\phi r}$1.28±.17; Best double couple: NP1:ϕ_s133.00000°,δ76.00000°,λ-39.00000°. NP2:ϕ_s234.00000°,δ52.00000°,λ-162.00000°. Principal axes: T 3.2920,Plg15.0000° ,Azm188.0000°; N -0.4670,Plg49.0000°,Azm296.0000°; P -2.8350,Plg37.0000° ,Azm86.0000° $M_0$3.06400×10^{16}

IDC Error ellipse: s-maj=16.6km s-min=8.9km az=79.0.
IDC IX 11 09 24 32.0–1.9 3.04N 127.66E 0 3.8,3.7b ¶601863343

IDC Error ellipse: s-maj=143.6km s-min=23.7km az=66.0.

ISC	IX	11 19 45 53.1–.90	4.0N–.20	126.3E–.50	45	3.8b	9	7-61
IDC	IX	11 19 45 47.1–.84	3.93N	126.13E	0	3.7,3.7		¶601863371
ISCJB	IX	11 19 45 51.0–.65	4.0N–.10	126.3E–.20	45	3.6b,3.6s		

ISC Event type ke.
ISCJB Event type ke.

ISC	IX	14 03 43 38.3–.69	4.80N–.04	125.47E–.08	183–6	3.8b	38	1-121
ISCJB	IX	14 03 43 37.2–.36	4.80N–.03	125.47E–.08	184–4	3.8b		¶601863500
MAN	IX	14 03 43 37.2	4.70N	125.37E	165	5.0b,4.1s		
DJA	IX	14 03 43 39.6–1.1	5N–9.0	126E–6.0	182–6	4.8b,4.6		
IDC	IX	14 03 43 39.5–.92	4.90N	125.39E	194–8	4.1,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=4.7km az=169.3.
IDC Error ellipse: s-maj=20.3km s-min=10.3km az=74.0.

ISC	IX	14 20 44 49.5–.82	3.5N–.20	126.8E–.20	48	3.8b	10	6-91
ISCJB	IX	14 20 44 47.5–.73	3.5N–.10	126.8E–.20	48	3.7b		¶601863552
IDC	IX	14 20 44 49.9–4.2	3.53N	126.80E	53–44	3.8,3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.2km s-min=8.9km az=140.9.
IDC Error ellipse: s-maj=45.5km s-min=16.3km az=66.0.
IDC IX 15 20 49 35.1–1.4 4.00N 126.28E 0 3.8,3.7 ¶601863603

IDC Error ellipse: s-maj=72.6km s-min=21.1km az=64.0.
IDC IX 16 11 57 19.7–1.0 3.29N 127.72E 0 4.0,3.8 ¶601863647

IDC Error ellipse: s-maj=73.1km s-min=17.9km az=72.0.

ISC	IX	18 08 05 38.6–.85	4.55N–.03	126.49E–.04	29–5	5.0b,4.1s	406	1-166
BJI	IX	18 08 05 33.8	4.08N	126.37E	26	5.1b,4.8b		¶601721817
MAN	IX	18 08 05 35.3	4.02N	126.24E	37	5.4b,4.7s		
IDC	IX	18 08 05 36.5–2.1	4.52N	126.43E	18–12	4.6,4.6		
ISCJB	IX	18 08 05 37.5–.40	4.54N–.02	126.58E–.02	35–3	4.9b,4.1s		
GCMT	IX	18 08 05 38.1–.30	4.60N–.02	126.60E–.03	19–1	4.9W,4.1s		
DJA	IX	18 08 05 38.8–.60	5N–2.0	127E–2.0	23–5	5.4b,5.1		
MOS	IX	18 08 05 38.9–1.1	4.53N	126.37E	52	5.3b,5.1		
NEIC	IX	18 08 05 40.1–.70	4.49N	126.44E	45–6	5.0b,5.1		

ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=6.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=164.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c33; s68,c94;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.42±.16 $M_{\theta\theta}$1.03±.09; $M_{\phi\phi}$1.38±.11; $M_{r\theta}$1.42±.19; $M_{\theta\phi}$-1.27±.05; $M_{\phi r}$0.04±.18; Best double couple: NP1:ϕ_s298.00000°,δ59.00000°,λ-113.00000°. NP2:ϕ_s157.00000°,δ38.00000°,λ-58.00000°. Principal axes: T 2.6630,Plg11.0000° ,Azm44.0000°; N 0.3100,Plg19.0000°,Azm311.0000°; P -2.9830,Plg68.0000°,Azm163.0000° $M_0$2.82300×10^{16}

MOS Error ellipse: s-maj=13.0km s-min=6.0km az=122.3.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=72.0.

ISC	IX	19 21 18 30.8–.44	4.44N–.04	126.91E–.07	76	4.5b	79	2-125
DJA	IX	19 21 18 20.5–.70	5N–5.0	127E–5.0	10	5.0b,5.0		¶601734520
ISCJB	IX	19 21 18 28.8–.27	4.54N–.03	127.04E–.05	76	4.3b,5.0		
NEIC	IX	19 21 18 33.3–1.1	4.55N	126.93E	102–10	4.6b,5.0		
BJI	IX	19 21 18 34.4	4.78N	126.84E	106	4.9b,4.6b		
IDC	IX	19 21 18 35.2–1.1	4.52N	127.21E	121–11	4.3,4.0		
MAN	IX	19 21 18 40.7	4.89N	126.20E	14	4.9b,3.9s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=175.9.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.4km az=89.0.
IDC Error ellipse: s-maj=19.6km s-min=7.8km az=70.0.
IDC IX 20 12 47 56.1–2.1 3.62N 125.99E 0 3.5,3.4 ¶601863893

IDC Error ellipse: s-maj=183.8km s-min=25.7km az=65.0.

ISC	IX	21 16 40 34.2–2.4	4.5N–.10	126.4E–.10	28–17	3.5b	16	2-57
IDC	IX	21 16 40 29.8–2.0	4.42N	126.78E	0	3.8,3.5		¶601863961
MAN	IX	21 16 40 36.5	4.50N	126.36E	2	5.1b,4.2s		

ISC Event type ke.
IDC Error ellipse: s-maj=102.2km s-min=21.3km az=60.0.
IDC IX 22 05 49 28.7–22 3.68N 125.11E 520–309 3.8,3.0 ¶601863981

IDC Error ellipse: s-maj=117.8km s-min=40.9km az=46.0.
IDC IX 22 07 17 21.7–1.4 3.19N 127.27E 0 4.1,3.9 ¶601863983

IDC Error ellipse: s-maj=94.9km s-min=18.1km az=69.0.
IDC IX 22 19 18 15.5–1.6 2.88N 125.53E 0 3.9,3.8 ¶601864007

IDC Error ellipse: s-maj=198.3km s-min=22.0km az=64.0.

ISC	IX	23 03 24 36.9–.77	4.9N–.10	127.1E–.30	76	4.0b	16	15-123
IDC	IX	23 03 24 27.5–.73	4.95N	127.09E	0	4.1,4.0b		¶601782821
NEIC	IX	23 03 24 32.7–.44	4.95N	127.08E	35	4.0b,4.0b		
ISCJB	IX	23 03 24 35.1–.54	4.95N–.09	127.1E–.20	76	3.9b,4.0b		

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

ISC	IX	23 14 15 23.9–.59	4.98N–.08	126.9E–.10	76	4.2b	32	2-91
ISCJB	IX	23 14 15 22.0–.41	5.04N–.07	127.1E–.10	76	4.0b		¶601777935
IDC	IX	23 14 15 23.7–2.1	5.02N	126.96E	72–20	4.1,3.9		
NEIC	IX	23 14 15 24.9–.85	4.98N	126.87E	87–8	4.2b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=5.7km az=155.2.
IDC Error ellipse: s-maj=28.8km s-min=11.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=4.9km az=72.0.

ISC	IX	25 21 26 53.3–1.8	4.4N–.10	127.90E–.09	100	4.3b	19	2-124
ISCJB	IX	25 21 26 53.8–.90	4.37N–.07	127.85E–.05	100	4.1b		¶601740394
DJA	IX	25 21 26 54.5–1.0	4N–9.0	128E–5.0	12–14	5.1b,4.6b		
IDC	IX	25 21 26 56.3–4.4	4.00N	127.38E	101–42	4.3,4.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.1km az=17.5.
IDC Error ellipse: s-maj=69.6km s-min=21.3km az=70.0.

ISC	IX	26 18 31 17.4–1.5	2.7N–.20	125.80E–.09	100	3.4b	9	2-58
IDC	IX	26 18 31 07.2–1.7	1.94N	124.15E	0	3.6,3.4		¶601864227
ISCJB	IX	26 18 31 15.5–1.4	2.8N–.10	125.8E–.10	100	3.3b,3.4		
DJA	IX	26 18 31 19.3–1.2	3N–13	126E–4.0	99–24	4.0b,3.9		

ISC Event type ke.
ISCJB Event type ke.
IDC IX 28 04 26 32.7–1.9 4.33N 127.23E 0 3.7,3.5 ¶601864329

IDC Error ellipse: s-maj=107.1km s-min=22.8km az=70.0.

ISC	IX	30 04 34 32.6–1.4	3.2N–.10	127.6E–.10	49	3.6b	14	2-59
IDC	IX	30 04 34 26.3–1.6	2.84N	126.92E	0	4.2L,3.9		¶601857516
ISCJB	IX	30 04 34 30.3–1.3	3.2N–.10	127.74E–.08	49	3.5b,3.9		
DJA	IX	30 04 34 33.2–2.3	3N–16	128E–14	65–25	5.1b,4.5b		

ISC Event type ke.
ISCJB Event type ke.

ISC	IX	30 23 56 30.1–1.5	3.7N–.10	127.9E–.10	71	3.6b	13	2-58
ISCJB	IX	30 23 56 28.5–1.3	3.6N–.10	127.95E–.07	71	3.4b		¶601857557
DJA	IX	30 23 56 30.6–1.5	4N–13	128E–12	27–23	5.7b,5.2		
IDC	IX	30 23 56 31.8–5.7	3.67N	128.16E	88–66	3.7,3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=6.9km az=29.2.
IDC Error ellipse: s-maj=133.6km s-min=24.4km az=68.0.

ISC	X	01 08 39 22.7–1.4	4.2N–.20	126.8E–.10	36	4.1b	6	1-61
IDC	X	01 08 39 16.3–1.8	4.42N	127.21E	0	4.2,4.0		¶601996372
ISCJB	X	01 08 39 20.4–1.2	4.2N–.10	126.82E–.10	36	3.9b,4.0		
DJA	X	01 08 39 23.1–2.0	4N–22	127E–7.0	13–23	4.1b,4.0		

ISC Event type ke.
ISCJB Event type ke.

ISC	X	01 12 55 47.8–.38	3.98N–.04	126.70E–.07	100	4.4b	113	1-140
BJI	X	01 12 55 32.7	3.89N	127.16E	10	4.9b,4.5b		¶601775512
DJA	X	01 12 55 41.5–.80	4N–7.0	127E–3.0	10	4.9b,4.6b		
NEIC	X	01 12 55 45.5–.72	4.13N	126.75E	76–7	4.6b,4.6b		
ISCJB	X	01 12 55 46.0–.24	3.98N–.03	126.67E–.04	100	4.2b,4.6b		
IDC	X	01 12 55 48.7–1.7	4.04N	126.69E	108–14	4.3,4.0		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=167.9.
IDC Error ellipse: s-maj=23.5km s-min=10.9km az=69.0.
IDC X 03 06 43 00.7–2.2 3.46N 126.89E 0 3.9,3.7 ¶601996897

IDC Error ellipse: s-maj=193.4km s-min=24.6km az=66.0.

ISC	X	03 13 50 16.2–.37	3.26N–.04	126.64E–.06	63	4.5b	127	1-123
ISCJB	X	03 13 50 14.7–.23	3.31N–.02	126.72E–.04	63	4.4b		¶601780658
DJA	X	03 13 50 14.1–1.0	3N–7.0	127E–6.0	10	6.0b,5.7		
MAN	X	03 13 50 16.1	3.22N	126.50E	57	5.1b,4.2s		
NEIC	X	03 13 50 16.9–.89	3.18N	126.48E	70–9	4.7b,4.2s		
IDC	X	03 13 50 19.1–1.7	3.11N	126.58E	89–15	4.5,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=156.8.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=69.0.
IDC Error ellipse: s-maj=18.6km s-min=7.8km az=68.0.

ISC	X	03 14 01 45.9–.81	2.92N–.09	125.72E–.08	10	3.9b	24	1-58
IDC	X	03 14 01 44.4–.91	2.92N	125.89E	0	3.9,3.9		¶601829110
NEIC	X	03 14 01 46.1–.50	2.93N	125.69E	10	4.0b,3.9		
DJA	X	03 14 01 48.8–1.5	3N–13	127E–9.0	10	4.8b,4.6		

ISC Event type se.
NEIC Event type se.

ISC	X	07 20 16 39.3–1.1	4.85N–.08	126.1E–.10	10	3.4b	10	1-56
IDC	X	07 20 16 38.0–2.2	4.82N	125.98E	0	3.6,3.4		¶601997414
MAN	X	07 20 16 43.1	6.17N	126.19E	240	4.4b,3.2L		

ISC Event type ke.
IDC Error ellipse: s-maj=128.9km s-min=27.8km az=68.0.
IDC X 07 23 22 43.5–1.7 3.68N 126.92E 0 3.8,3.7 ¶601997431

IDC Error ellipse: s-maj=121.6km s-min=20.7km az=71.0.
IDC X 08 19 55 50.1–1.7 4.93N 126.05E 0 4.2L,4.0 ¶601997567

IDC Error ellipse: s-maj=73.9km s-min=19.4km az=61.0.

ISC	X	09 04 50 25.0–.54	4.23N–.05	126.74E–.09	45	4.4b	50	1-91
DJA	X	09 04 50 17.4–4.2	5N–35	127E–15	10	4.9b,4.7b		¶601997609
IDC	X	09 04 50 18.8–.66	4.21N	126.47E	0	4.5L,4.3		
ISCJB	X	09 04 50 23.2–.33	4.26N–.04	126.84E–.07	45	4.3b,4.3		
NEIC	X	09 04 50 26.5–1.6	4.20N	126.46E	58–15	4.7b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=13.1km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.7km az=163.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.1km az=71.0.

ISC	X	09 13 01 12.7–1.9	3.8N–.20	126.1E–.10	100	3.4b	11	1-57
IDC	X	09 13 01 05.9–1.9	3.22N	126.07E	0	3.7,3.5		¶601997659
DJA	X	09 13 01 19.4–.50	3N–3.0	126E–4.0	10	4.7b,4.3		

ISC Event type ke.

ISC	X	10 09 04 23.5–.51	3.63N–.05	126.69E–.07	53	4.3b	47	1-92
IDC	X	10 09 04 16.6–.60	3.65N	126.48E	0	4.4L,4.3		¶601819625
ISCJB	X	10 09 04 21.8–.33	3.66N–.04	126.78E–.05	53	4.2b,3.6s		
NEIC	X	10 09 04 21.7–.35	3.64N	126.47E	35	4.6b,3.6s		
DJA	X	10 09 04 21.1–1.4	4N–13	127E–6.0	10	5.0b,4.7		

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

ISC	X	10 09 04 49.0–.44	3.68N–.07	126.5E–.10	53	4.7b,4.2s	123	3-123
BJI	X	10 09 04 33.4	2.41N	127.46E	22	5.1b,4.9b		¶601906673
MOS	X	10 09 04 42.2–1.0	3.22N	126.75E	33	4.9b,4.9b		
IDC	X	10 09 04 42.0–.53	3.68N	126.41E	0	4.7L,4.6		
MAN	X	10 09 04 44.6	4.97N	125.92E	57	4.8b,3.8L		
NEIC	X	10 09 04 47.0–.36	3.68N	126.40E	35	4.7b,3.8L		
ISCJB	X	10 09 04 47.2–.32	3.71N–.05	126.72E–.06	53	4.7b,4.2s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 11 03 10 33.9–2.3 3.51N 126.13E 0 3.7,3.6 ¶606857472

IDC Error ellipse: s-maj=193.6km s-min=27.7km az=65.0.

ISC X 11 05 47 12.5–.46 4.56N–.03 125.81E–.05 174–4 4.9b 387 1-167
BJI X 11 05 47 07.3 4.15N 125.70E 164 5.0b,4.8b **¶601825987**
GCMT X 11 05 47 11.5–.40 4.53N–.03 125.92E–.03 184–4 4.9W,4.8b
NEIC X 11 05 47 11.5–.17 4.56N 125.67E 164 4.9b,4.8b
MAN X 11 05 47 11.4 4.49N 125.65E 174 5.4b,4.6s
ISCJB X 11 05 47 11.6–.24 4.59N–.02 125.86E–.03 183–2 4.8b,4.6s
DJA X 11 05 47 12.7–.40 5N–4.0 126E–3.0 159–3 5.4b,5.3
IDC X 11 05 47 12.2–.81 4.58N 125.70E 170–7 4.8,4.4
MOS X 11 05 47 13.1–1.1 4.63N 125.65E 194 5.0b,4.4
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s75,c94;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.13 $M_{\theta\theta}$-0.49±.12; $M_{\phi\phi}$-0.76±.15; $M_{r\theta}$-1.12±.10; $M_{\theta\phi}$0.47±.14; $M_{\phi r}$2.44±.12; Best double couple: NP1:ϕ_s334.00000°,δ78.00000°,λ94.00000°. NP2:ϕ_s137.00000°,δ12.00000°,λ73.00000°. Principal axes: T 3.0170,Plg57.0000° ,Azm249.0000°; N -0.1740,Plg4.0000°,Azm153.0000°; P -2.8470,Plg33.0000°,Azm61.0000° M_o2.93200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=76.0. Felt [II PIVS] at General Santos, Philippines.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=172.6.
IDC Error ellipse: s-maj=11.4km s-min=6.8km az=80.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=119.1.
ISC X 11 17 39 32.5–1.2 4.3N–.30 127.0E–.40 100 3.1b 7 2-57
ISCJB X 11 17 39 30.7–.93 4.2N–.30 127.1E–.30 100 3.2b **¶601997912**
IDC X 11 17 39 35.7–6.0 4.25N 127.39E 125–71 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=60.3km s-min=8.4km az=141.7.
IDC Error ellipse: s-maj=144.4km s-min=24.8km az=68.0.
ISC X 12 08 14 47.6–.52 3.92N–.05 126.62E–.07 45 4.2b,3.0s 60 1-141
ISCJB X 12 08 14 45.0–.35 3.96N–.04 126.70E–.05 45 4.3b,3.0s **¶601843582**
NEIC X 12 08 14 44.3–.76 3.99N 126.63E 26–5 4.3b,3.0s
IDC X 12 08 14 45.4–4.3 3.94N 126.55E 33–31 4.1,4.1
DJA X 12 08 14 47.6–1.1 4N–8.0 127E–5.0 26–5 6.0b,5.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 12 19 01 03.3–.38 3.03N–.04 126.72E–.06 63 4.6b 113 1-123
IDC X 12 19 00 55.6–.64 2.93N 126.54E 0 4.8L,4.1 **¶601998039**
ISCJB X 12 19 01 01.4–.21 3.00N–.02 126.69E–.03 63 4.6b,4.1
MAN X 12 19 01 01.8 3.17N 123.93E 304 5.2b,4.3s
DJA X 12 19 01 01.0–.60 3N–5.0 127E–5.0 10 4.8b,4.5b
NEIC X 12 19 01 02.7–.77 2.98N 126.76E 59–8 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=13.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.9km az=157.5.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=71.0.
ISC X 13 03 21 07.8–.67 4.09N–.04 126.37E–.08 45 3.9b 27 1-85
ISCJB X 13 03 21 05.8–.55 4.07N–.04 126.48E–.06 45 3.9b,2.8s **¶601998081**
IDC X 13 03 21 05.4–3.9 3.95N 126.06E 36–31 3.9,3.9
MAN X 13 03 21 07.2 4.06N 125.90E 0 4.3b,3.2L
DJA X 13 03 21 07.3–2.0 4N–15 126E–7.0 23–10 5.2b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 14 03 42 26.2–.30 4.55N–.03 125.19E–.05 50 4.8b,3.9s 222 1-162
IDC X 14 03 42 18.9–.45 4.60N 125.08E 0 4.6,4.5 **¶601833184**
GCMT X 14 03 42 22.3–.30 4.61N–.02 125.02E–.02 22–1 4.9W,4.5
BJI X 14 03 42 23.9 4.73N 125.24E 28 5.0b,4.8b
DJA X 14 03 42 23.1–.20 5N–3.0 125E–2.0 10 6.3,5.4b
ISCJB X 14 03 42 24.2–.16 4.54N–.02 125.16E–.03 50 4.7b,4.0s
NEIC X 14 03 42 26.3–.74 4.55N 125.12E 50–7 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=10.3km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s74,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.11±.19 $M_{\theta\theta}$-2.49±.13; $M_{\phi\phi}$2.38±.16; $M_{r\theta}$0.48±.19; $M_{\theta\phi}$1.45±.12; $M_{\phi r}$0.58±.26; Best double couple: NP1:ϕ_s61.00000°,δ85.00000°,λ14.00000°. NP2:ϕ_s330.00000°,δ76.00000°,λ174.00000°. Principal axes: T 2.9480,Plg14.0000° ,Azm286.0000°; N -0.0260,Plg75.0000°,Azm82.0000°; P -2.9210,Plg6.0000°,Azm195.0000° M_o2.93400×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=171.8.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=71.0.
ISC X 14 04 45 00.7–.84 4.60N–.08 126.1E–.20 10 3.6b 14 2-85
IDC X 14 04 44 59.4–.99 4.61N 126.19E 0 4.1s,4.1 **¶601998179**
ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=16.9km az=82.0.
ISC X 18 14 01 53.9–.56 4.74N–.03 125.70E–.07 100 4.0b 41 1-122
MAN X 18 14 01 51.4 4.95N 125.66E 134 5.0b,3.9L **¶601838480**
ISCJB X 18 14 01 52.2–.42 4.76N–.03 125.53E–.05 100 4.0b,3.9L
IDC X 18 14 01 53.0–1.4 4.72N 126.00E 80–13 4.2,4.0
NEIC X 18 14 01 53.9–1.2 4.71N 126.00E 90–12 4.0b,4.0
DJA X 18 14 01 53.8–1.4 4N–16 126E–6.0 142–72 4.6b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 24 11 59 39.3–1.7 4.21N 125.19E 0 4.0,3.9
¶601999486
IDC Error ellipse: s-maj=114.9km s-min=23.6km az=67.0.
ISC X 27 11 48 38.8–.67 3.9N–.10 126.5E–.20 45 3.8b 15 2-85
ISCJB X 27 11 48 37.4–.51 3.85N–.08 126.6E–.10 45 3.7b,3.3s **¶601999829**
IDC X 27 11 48 38.0–4.7 3.94N 126.47E 39–44 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=5.1km az=147.5.
IDC Error ellipse: s-maj=41.0km s-min=16.2km az=66.0.
IDC X 28 09 04 14.6–13 3.89N 125.14E 75–133 4.0,3.8
¶601999999
IDC Error ellipse: s-maj=56.5km s-min=19.7km az=80.0.
ISC X 28 17 20 00.2–.95 3.45N–.07 125.6E–.20 150 3.4b 12 0-57
IDC X 28 17 19 43.9–1.9 3.84N 125.92E 0 4.3s,4.3 **¶602000111**
ISCJB X 28 17 19 59.2–.62 3.53N–.09 125.7E–.30 150 3.2b,4.3
DJA X 28 17 20 05.7–1.5 3N–8.0 126E–8.0 10–19 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 03 32 24.3–.68 3.08N–.09 126.98E–.09 44 4.2b,3.2s 29 2-123
IDC X 29 03 32 18.0–.73 3.08N 126.94E 0 4.3,4.1 **¶602000203**
ISCJB X 29 03 32 22.3–.48 3.10N–.06 127.08E–.07 44 4.1b,3.2s
DJA X 29 03 32 24.3–1.2 3N–9.0 127E–7.0 19–21 4.5b,4.1b
NEIC X 29 03 32 27.4–1.5 3.04N 127.15E 78–14 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=14.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.6km az=140.2.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=10.6km az=66.0.
ISC XI 01 14 44 53.9–.45 4.63N–.04 127.00E–.07 81 4.3b 71 2-123
ISCJB XI 01 14 44 52.3–.30 4.69N–.03 127.11E–.04 81 4.1b **¶602035782**
MAN XI 01 14 44 52.9 4.64N 126.97E 149 5.1b,4.1s
DJA XI 01 14 44 54.4–2.2 5N–5.0 127E–4.0 28–25 4.7b,4.6
IDC XI 01 14 44 54.8–2.0 4.70N 126.95E 87–19 4.3,4.0
NEIC XI 01 14 44 55.2–1.3 4.71N 126.93E 95–11 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=154.0.
IDC Error ellipse: s-maj=20.7km s-min=9.7km az=77.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=6.9km az=82.0.
ISC XI 02 14 02 48.1–.45 4.63N–.03 125.69E–.05 179–4 4.6b 302 1-162
BJI XI 02 14 02 42.8 4.05N 125.68E 183 4.8b,4.7b **¶601868890**
MOS XI 02 14 02 46.8–1.1 4.68N 125.57E 182 4.8b,4.7b
ISCJB XI 02 14 02 47.8–.24 4.69N–.02 125.72E–.03 190–2 4.6b,4.7b
MAN XI 02 14 02 48.5 4.68N 125.82E 164 5.3b,4.4s
IDC XI 02 14 02 48.7–.94 4.62N 125.54E 184–8 4.8,4.3
GCMT XI 02 14 02 49.3–.40 4.50N–.03 125.74E–.03 173–4 5.0W,4.3
NEIC XI 02 14 02 49.3–.64 4.71N 125.67E 190–6 4.9b,4.3
DJA XI 02 14 02 49.6–.40 5N–4.0 126E–3.0 166–5 5.0b,4.9
KLM XI 02 14 02 50.0 4.53N 125.93E 200 5.2b,4.9
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=5.8km az=119.8.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.7km az=167.1.
IDC Error ellipse: s-maj=10.5km s-min=6.0km az=72.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c19; s68,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.14 $M_{\theta\theta}$0.07±.16; $M_{\phi\phi}$-0.12±.20; $M_{r\theta}$-0.07±.10; $M_{\theta\phi}$-2.57±.15; $M_{\phi r}$2.38±.14; Best double couple: NP1:ϕ_s359.00000°,δ89.00000°,λ43.00000°. NP2:ϕ_s269.00000°,δ47.00000°,λ179.00000°. Principal axes: T 3.5110,Plg29.0000° ,Azm233.0000°; N -0.0120,Plg47.0000°,Azm360.0000°; P -3.4990,Plg28.0000° ,Azm125.0000° M_o3.50500×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=68.0.
IDC XI 02 15 50 43.5–5.9 3.94N 127.89E 46–72 3.3,3.2
¶602388724
IDC Error ellipse: s-maj=140.9km s-min=27.6km az=68.0.
ISC XI 04 23 46 38.3–.44 4.63N–.03 125.06E–.04 31–2 5.1b,4.9s 590 1-163
IDC XI 04 23 46 32.5–.33 4.60N 125.12E 0 4.8,4.8L **¶601871348**
BJI XI 04 23 46 34.8 4.20N 125.29E 46 5.2b,5.2s
GCMT XI 04 23 46 35.7–.10 4.59N–.01 124.99E–.01 15 5.4W,5.2s
ISCJB XI 04 23 46 36.0–.75 4.63N–.02 125.17E–.02 28–5 5.0b,4.8s
MOS XI 04 23 46 36.3–1.3 4.67N 125.13E 33 5.2b,4.9s
MAN XI 04 23 46 36.4 4.74N 124.57E 15 5.8b,5.2s
DJA XI 04 23 46 38.0–.20 5N–2.0 125E–2.0 10 5.9,5.6b
NEIC XI 04 23 46 38.7–.59 4.60N 125.08E 37–5 5.3b,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=7.4km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c182; s126,c241;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.02 $M_{\theta\theta}$0.49±.02; $M_{\phi\phi}$-0.81±.02; $M_{r\theta}$0.81±.06; $M_{\theta\phi}$1.45±.02; $M_{\phi r}$-0.14±.06; Best double couple: NP1:ϕ_s105.00000°,δ83.00000°,λ29.00000°. NP2:ϕ_s11.00000°,δ61.00000°,λ172.00000°. Principal axes: T 1.7100,Plg25.0000° ,Azm331.0000°; N 0.1900,Plg60.0000°,Azm117.0000°; P -1.9000,Plg15.0000° ,Azm234.0000° M_o1.80500×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=166.5.
MOS Error ellipse: s-maj=9.3km s-min=4.9km az=109.1.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.2km az=75.0.
ISC XI 05 00 55 39.9–.41 4.66N–.03 125.12E–.04 40–3 4.8b,4.7s 348 1-163
MAN XI 05 00 55 33.0 4.58N 124.63E 2 5.7b,5.1s **¶601871355**
BJI XI 05 00 55 35.1 4.26N 125.25E 39 5.2b,4.9s
GCMT XI 05 00 55 35.8–.20 4.64N–.01 125.01E–.01 15–1 5.3W,4.9s
DJA XI 05 00 55 37.8–.20 5N–2.0 125E–2.0 10 5.5,5.5b
MOS XI 05 00 55 37.9–1.2 4.71N 125.15E 42 5.1b,4.7s
ISCJB XI 05 00 55 38.2–.36 4.70N–.02 125.22E–.03 42–3 4.8b,4.6s
NEIC XI 05 00 55 39.8–.54 4.68N 125.14E 43–5 5.1b,4.6s
IDC XI 05 00 55 39.4–2.4 4.70N 125.19E 39–21 4.6,4.6L
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c91; s113,c197;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$0.42±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$0.35±.04; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s113.00000°,δ83.00000°,λ27.00000°. NP2:ϕ_s19.00000°,δ63.00000°,λ172.00000°. Principal axes: T 0.8540,Plg24.0000° ,Azm339.0000°; N 0.2600,Plg62.0000°,Azm127.0000°; P -1.1140,Plg13.0000° ,Azm243.0000° M_o0.98400×10^{17}
MOS Error ellipse: s-maj=10.3km s-min=5.8km az=110.9.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.7km az=169.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=72.0.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=77.0.
ISC XI 05 01 01 39.1–.50 4.71N–.04 125.28E–.08 10 4.2b 51 1-122
ISCJB XI 05 01 01 36.8–.34 4.60N–.03 125.21E–.06 10 4.4s,4.2b **¶601871979**
IDC XI 05 01 01 37.9–.63 4.65N 125.42E 0 4.4,4.4s
NEIC XI 05 01 01 41.9–.49 4.57N 125.31E 35 4.0b,4.4s
MAN XI 05 01 01 42.8 4.62N 124.26E 36 5.5b,4.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.7km az=168.4.
IDC Error ellipse: s-maj=23.9km s-min=13.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.7km az=82.0.
ISC XI 05 01 34 52.0–2.7 4.7N–.10 125E–1.0 35 3.8b,3.2s 6 2-122
IDC XI 05 01 34 46.8–.86 4.72N 125.27E 0 4.1,3.9b **¶602388833**
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=17.3km az=79.0.
ISC XI 05 04 06 01.9–1.4 4.77N–.03 125.29E–.07 15–9 4.1b,3.4s 76 1-122
MAN XI 05 04 05 58.0 4.66N 125.29E 16 5.6b,4.9s **¶601871360**
IDC XI 05 04 05 59.3–.61 4.71N 125.28E 0 4.2,4.0
BJI XI 05 04 06 01.5 4.60N 125.10E 20 4.6b,4.5b
ISCJB XI 05 04 06 02.2–1.6 4.70N–.03 125.25E–.05 31–12 4.2b,3.4s
NEIC XI 05 04 06 05.1–.82 4.67N 125.20E 42–8 4.1b,3.4s
DJA XI 05 04 06 05.6–2.1 4N–25 125E–6.0 27–22 5.0,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 05 08 48 10.1–1.2 4.60N–.03 125.23E–.06 31–9 4.5b,3.6s 116 1-162
ISCJB XI 05 08 48 08.2–1.3 4.62N–.03 125.21E–.03 31–10 4.5b,3.7s **¶601871980**
MAN XI 05 08 48 09.3 4.78N 124.70E 14 5.7b,5.0s
DJA XI 05 08 48 11.2–.50 4N–5.0 125E–5.0 10 5.1b,4.7
NEIC XI 05 08 48 11.1–.78 4.62N 125.25E 40–7 4.6b,4.7
IDC XI 05 08 48 17.0–1.3 4.58N 125.31E 95–12 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=160.4.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=59.0.
IDC Error ellipse: s-maj=16.9km s-min=8.9km az=83.0.
ISC XI 05 18 43 45.5–.67 3.73N–.03 125.86E–.05 96–6 4.4b 117 0-134
ISCJB XI 05 18 43 44.2–.28 3.79N–.02 125.97E–.03 100–3 4.3b **¶601874866**
MAN XI 05 18 43 44.7 3.76N 125.69E 29 5.3b,4.5s
IDC XI 05 18 43 45.5–1.7 3.69N 125.70E 96–15 4.4,4.2
DJA XI 05 18 43 46.5–.30 4N–3.0 126E–2.0 83–3 5.2b,5.0
NEIC XI 05 18 43 46.7–1.1 3.73N 125.73E 109–11 4.7b,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=165.9.
IDC Error ellipse: s-maj=23.8km s-min=9.5km az=81.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.3km az=82.0.
IDC XI 07 23 08 11.9–1.9 3.78N 127.18E 0 3.8,3.6b
¶602388999
IDC Error ellipse: s-maj=113.0km s-min=23.2km az=70.0.
IDC XI 07 23 32 48.8–2.1 4.66N 125.13E 0 3.7,3.5
¶602389000
IDC Error ellipse: s-maj=199.6km s-min=26.4km az=64.0.
ISC XI 08 05 20 41.7–.45 4.41N–.04 125.95E–.07 150 4.2b 69 1-122
ISCJB XI 08 05 20 40.6–.30 4.44N–.03 125.98E–.05 150 4.2b **¶601883655**
NEIC XI 08 05 20 41.4–.86 4.54N 125.94E 154–9 4.4b
MAN XI 08 05 20 41.2 4.53N 125.76E 193 5.2b,4.3s
IDC XI 08 05 20 45.9–1.3 4.33N 125.85E 188–12 4.3,3.8
DJA XI 08 05 20 48.1–1.0 4N–8.0 126E–5.0 129–5 5.1b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 15 15 20 10.3–2.2 4.84N 126.56E 0 3.7,3.4
¶602389469
IDC Error ellipse: s-maj=167.4km s-min=28.3km az=66.0.
ISC XI 16 00 52 11.8–1.1 2.7N–.10 125.3E–.20 35 4.0b 9 21-58
IDC XI 16 00 52 07.1–1.6 2.52N 125.00E 0 4.2,4.0 **¶601992118**
ISCJB XI 16 00 52 09.8–.96 2.7N–.10 125.3E–.20 33 4.0b,4.0
NEIC XI 16 00 52 11.8–.62 2.66N 125.34E 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=112.7km s-min=23.4km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=13.5km az=155.6.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.0km az=66.0.
ISC XI 19 06 38 05.3–.74 3.5N–.20 126.4E–.40 53 4.2b 22 9-91
IDC XI 19 06 37 58.3–1.1 3.60N 126.54E 0 4.2,4.0b **¶602210380**
ISCJB XI 19 06 38 03.5–.47 3.5N–.10 126.5E–.30 53 4.1b,3.7s
NEIC XI 19 06 38 03.7–.37 3.44N 126.24E 35 4.5b,3.7s
ISC Event type se.

IDC Error ellipse: s-maj=171.3km s-min=15.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=48.8km s-min=7.7km az=155.6.
NEIC Event type se. Error ellipse: s-maj=38.4km s-min=6.4km az=65.0.
ISC XI 19 17 54 33.6–2.9 4.0N–.30 128.0E–.10 71 4.2b 13 2-62
DJA XI 19 17 54 36.7–2.5 4N–13 128E–7.0 32–38 4.9b,4.4 ¶602389685
IDC XI 19 17 55 05.0–8.7 2.21N 128.00E 250–88 4.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=21.7km az=61.0.
IDC XI 19 19 13 23.9–2.1 2.93N 125.22E 0 3.4,3.2
¶602389691

IDC Error ellipse: s-maj=193.2km s-min=27.1km az=64.0.
IDC XI 19 22 03 52.0–3.3 3.49N 125.99E 285–33 4.1,3.6
¶602389699

IDC Error ellipse: s-maj=55.0km s-min=10.2km az=72.0.
ISC XI 22 06 32 25.4–.71 4.79N–.03 126.42E–.05 98–6 4.6b 205 1-130
ISCJB XI 22 06 32 22.8–.38 4.83N–.02 126.51E–.03 93–3 4.6b ¶601993633
NEIC XI 22 06 32 25.0–.55 4.90N 126.46E 98–5 4.6b
KLM XI 22 06 32 24.0 4.99N 126.69E 106 4.7b
MAN XI 22 06 32 24.5 4.67N 126.10E 27 5.2b,4.2s
BJI XI 22 06 32 24.3 4.77N 126.21E 101 5.0b,4.8b
IDC XI 22 06 32 24.2–1.6 4.79N 126.24E 82–14 4.6,4.4
DJA XI 22 06 32 27.5–.60 4N–4.0 126E–3.0 70–4 5.2b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 22 16 15 31.2–2.0 3.38N 125.03E 0 3.6,3.4
¶602389842

IDC Error ellipse: s-maj=196.7km s-min=26.8km az=64.0.
IDC XI 24 14 40 25.1–6.9 3.14N 127.05E 0 3.5,3.4
¶602389938

IDC Error ellipse: s-maj=159.0km s-min=109.9km az=76.0.
IDC XI 26 12 24 50.6–1.9 3.08N 127.14E 0 3.8,3.6b
¶602390026

IDC Error ellipse: s-maj=112.3km s-min=21.7km az=70.0.
ISC XI 27 00 09 35.5–.40 3.38N–.05 127.96E–.06 150 4.3b 100 2-124
ISCJB XI 27 00 09 33.9–.26 3.40N–.03 128.07E–.04 150 4.3b ¶601994698
DJA XI 27 00 09 33.4–.60 4N–6.0 128E–4.0 108–7 4.5b,4.2
NEIC XI 27 00 09 34.5–.89 3.44N 128.10E 142–8 4.5b,4.2
IDC XI 27 00 09 34.2–1.2 3.43N 128.11E 140–12 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=163.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.4km az=68.0.
IDC Error ellipse: s-maj=19.2km s-min=7.9km az=66.0.
ISC XI 27 20 30 35.6–.61 4.04N–.03 126.26E–.04 69–5 4.8b 336 1-146
BJI XI 27 20 30 31.8 3.73N 126.26E 70 5.1b,4.6b ¶601994878
MOS XI 27 20 30 32.4–1.1 4.06N 126.21E 59 5.0b,4.6b
KLM XI 27 20 30 32.0 4.18N 126.60E 51 4.7b,4.6b
IDC XI 27 20 30 34.1–1.4 3.95N 126.09E 58–11 4.5,4.3
ISCJB XI 27 20 30 34.5–.36 4.06N–.02 126.30E–.03 78–3 4.6b,4.3
DJA XI 27 20 30 34.5–.50 4N–4.0 126E–2.0 10 5.0b,4.9
NEIC XI 27 20 30 36.0–.73 4.08N 126.30E 76–7 4.8b,4.9
MAN XI 27 20 30 36.7 4.14N 126.18E 69 5.5b,4.8s
ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=5.5km az=114.6.
IDC Error ellipse: s-maj=17.1km s-min=7.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=163.7.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=68.0.
IDC XI 29 16 58 46.5–1.5 3.22N 127.44E 0 3.6,3.4
¶602390173

IDC Error ellipse: s-maj=91.9km s-min=20.9km az=64.0.
IDC XI 29 21 49 18.6–1.3 3.65N 125.27E 0 3.7,3.6
¶602390193

IDC Error ellipse: s-maj=105.8km s-min=18.7km az=71.0.
IDC XII 02 20 12 31.4–1.9 2.04N 125.46E 0 3.6,3.5
¶602390372

IDC Error ellipse: s-maj=139.7km s-min=23.0km az=67.0.
ISC XII 03 14 52 33.3–.43 3.38N–.04 125.72E–.07 150 4.0b 64 3-123
ISCJB XII 03 14 52 32.2–.32 3.44N–.03 125.81E–.06 150 3.9b ¶602390398
DJA XII 03 14 52 34.4–1.4 3N–15 126E–5.0 154–15 4.4b,4.4b
MAN XII 03 14 52 35.1 3.48N 125.62E 32 4.9b,3.9s
IDC XII 03 14 52 35.2–1.3 3.36N 125.65E 172–11 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=169.2.
IDC Error ellipse: s-maj=22.5km s-min=7.5km az=74.0.
ISC XII 04 06 18 54.0–.96 2.3N–.20 125.6E–.60 109 4.0b 8 20-72
IDC XII 04 06 18 51.6–4.1 2.36N 125.70E 87–37 4.0,3.8 ¶602390438
ISCJB XII 04 06 18 52.1–.86 2.3N–.20 125.5E–.60 109 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 04 08 18 13.5–2.0 4.02N 126.69E 0 3.9,3.7
¶602390444

IDC Error ellipse: s-maj=167.1km s-min=25.8km az=65.0.
IDC XII 09 08 35 59.4–2.1 4.00N 126.74E 0 3.8,3.7
¶602390894

IDC Error ellipse: s-maj=176.9km s-min=25.8km az=65.0.
ISC XII 10 17 34 34.5–.31 3.73N–.04 126.97E–.06 48 4.8b 247 3-157
IDC XII 10 17 34 28.1–.41 3.74N 126.83E 0 5.3s,5.3 ¶602033988
DJA XII 10 17 34 29.4–2.1 4N–24 127E–16 35–80 5.0,4.9
MOS XII 10 17 34 31.2–1.0 3.75N 126.92E 33 5.3b,4.9
ISCJB XII 10 17 34 32.6–.18 3.72N–.03 126.98E–.03 48 5.4s,4.8b
NEIC XII 10 17 34 36.1–.81 3.66N 126.87E 64–7 5.0b,4.8b
BJI XII 10 17 34 36.2 3.98N 126.88E 65 5.3b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=9.8km az=79.0.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=113.9.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.4km az=160.6.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=75.0.
IDC XII 11 09 45 46.5–2.0 3.94N 127.20E 0 3.6,3.5
¶602391081

IDC Error ellipse: s-maj=182.9km s-min=22.1km az=67.0.
IDC XII 11 13 00 46.2–1.9 3.91N 125.80E 0 3.9,3.7
¶602391091

IDC Error ellipse: s-maj=123.4km s-min=23.9km az=69.0.
IDC XII 14 11 57 40.2–1.1 3.56N 126.12E 0 4.0L,3.8
¶602391321

IDC Error ellipse: s-maj=83.1km s-min=19.5km az=64.0.
IDC XII 14 20 31 14.9–2.1 4.23N 125.36E 0 3.6,3.4
¶602391344

IDC Error ellipse: s-maj=189.6km s-min=25.7km az=65.0.
ISC XII 15 21 02 41.9–.60 3.86N–.06 126.66E–.10 53 3.8b 32 3-123
MAN XII 15 21 02 38.6 3.71N 126.62E 28 5.0b,4.0L ¶602340345
ISCJB XII 15 21 02 40.9–.47 4.04N–.07 126.7E–.10 53 4.3s,3.9b
NEIC XII 15 21 02 42.4–1.3 4.19N 126.85E 56–13 4.3b,3.9b
IDC XII 15 21 02 42.7–1.9 4.17N 126.80E 59–18 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=5.5km az=150.5.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=6.9km az=77.0.
IDC Error ellipse: s-maj=36.6km s-min=10.3km az=69.0.
IDC XII 15 21 41 55.8–1.4 4.20N 126.52E 0 3.6,3.4
¶602391422

IDC Error ellipse: s-maj=151.4km s-min=21.2km az=69.0.
IDC XII 18 04 59 07.2–2.1 2.30N 125.05E 0 3.9,3.7
¶602391588

IDC Error ellipse: s-maj=187.7km s-min=27.5km az=64.0.
ISC XII 18 15 31 29.0–1.6 3.5N–.30 126.5E–.60 53 3.7b 7 4-58
IDC XII 18 15 31 21.6–1.7 3.62N 126.71E 0 3.8,3.6 ¶602391611
ISCJB XII 18 15 31 27.4–1.4 3.4N–.30 126.4E–.60 53 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 20 17 21 24.4–.78 3.67N–.04 126.42E–.08 10 3.8b 21 1-57
DJA XII 20 17 21 16.0–5.3 5N–42 127E–19 114–27 4.5b,4.4 ¶602391741

IDC XII 20 17 21 20.6–.94 3.50N 125.62E 0 3.8,3.7
ISCJB XII 20 17 21 22.1–.62 3.70N–.04 126.63E–.08 10 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 23 12 52 25.1–.69 4.14N–.03 126.60E–.05 48–6 5.0b,4.2s 487 2-158
BJI XII 23 12 52 17.1 3.61N 126.69E 31 5.2b,4.8b ¶602056619
GCMT XII 23 12 52 22.5–.30 4.33N–.03 126.77E–.03 26–1 5.0W,4.8b
ISCJB XII 23 12 52 23.5–.41 4.17N–.02 126.67E–.03 50–3 5.0b,4.4s
IDC XII 23 12 52 23.2–2.0 4.16N 126.55E 33–14 4.7,4.6
MAN XII 23 12 52 23.1 3.74N 125.92E 14 5.7b,5.0s
NEIC XII 23 12 52 24.4–.59 4.19N 126.58E 41–5 5.2b,5.0s
MOS XII 23 12 52 24.4–3.0 4.20N 126.60E 33 5.2b,5.0s
DJA XII 23 12 52 26.3–.40 4N–3.0 127E–2.0 57–3 5.4b,5.4
KLM XII 23 12 52 30.0 4.09N 126.77E 109 5.2b,5.4
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c46; s54,c73;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.18 $M_{\theta\theta}$0.02±.12; $M_{\phi\phi}$-2.68±.15; $M_{r\theta}$-1.88±.31; $M_{\theta\phi}$-1.43±.09; $M_{\phi r}$1.95±.30; Best double couple: NP1:ϕ_s351.00000°,δ64.00000°,λ55.00000°. NP2:ϕ_s229.00000°,δ42.00000°,λ140.00000°. Principal axes: T 4.4420,Plg56.0000° ,Azm215.0000°; N -0.9120,Plg31.0000°,Azm8.0000°; P -3.5300,Plg12.0000°,Azm106.0000° M_o3.98600×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.8km az=168.0.
IDC Error ellipse: s-maj=15.3km s-min=8.0km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=78.0. Felt [III] in the Kepulauan Talaud.
MOS Error ellipse: s-maj=10.1km s-min=5.4km az=112.0.
ISC XII 23 13 08 11.3–.73 4.1N–.10 126.5E–.20 10 3.8b 12 3-57
IDC XII 23 13 08 09.9–1.1 4.11N 126.54E 0 3.9,3.9L ¶602391922
ISCJB XII 23 13 08 10.0–.59 4.1N–.10 126.6E–.20 10 3.6b,3.9L
MAN XII 23 13 08 17.7 4.65N 126.74E 12 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=54.0km s-min=15.2km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=5.9km az=144.1.
ISC XII 23 13 39 33.5–1.7 4.4N–.20 127.2E–.30 35 3.8b 7 3-61
IDC XII 23 13 39 29.1–1.5 4.31N 126.64E 0 3.9,3.7 ¶602391924
ISCJB XII 23 13 39 31.1–1.3 4.5N–.20 127.4E–.20 35 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XII 23 13 42 14.1–1.5 4.33N 126.56E 0 3.9,3.7
¶602391925

IDC Error ellipse: s-maj=106.9km s-min=18.4km az=68.0.
ISC XII 23 16 30 13.7–1.6 4.3N–.30 127.0E–.40 45 3.5b 8 4-61
IDC XII 23 16 30 06.8–1.4 4.40N 127.03E 0 3.8,3.7 ¶602391931
ISCJB XII 23 16 30 11.1–1.3 4.4N–.20 126.9E–.40 45 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 23 17 15 36.6–.40 4.18N–.04 126.75E–.06 36 4.3b,3.4s 93 3-123
IDC XII 23 17 15 31.0–.46 4.08N 126.55E 0 4.3,4.2 ¶602056626
ISCJB XII 23 17 15 34.5–.27 4.18N–.02 126.80E–.04 36 4.3b,3.4s
NEIC XII 23 17 15 37.9–.98 4.16N 126.74E 53–10 4.6b,3.4s
DJA XII 23 17 15 39.4–1.1 4N–3.0 127E–3.0 29–9 5.3b,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud.
ISC XII 23 17 49 36.2–.47 3.76N–.04 126.32E–.06 10 4.2b 52 3-123
IDC XII 23 17 49 34.2–.60 4.04N 126.45E 0 4.3,4.1 ¶602064056
MAN XII 23 17 49 35.9 3.72N 126.37E 21 5.4b,4.5s
NEIC XII 23 17 49 42.2–.92 4.06N 126.65E 61–9 4.4b,4.5s
DJA XII 23 17 49 43.5–.50 4N–4.0 127E–4.0 117–8 4.9b,4.6
ISC Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud.
ISC XII 23 19 48 27.2–.91 4.00N–.05 126.65E–.08 45 3.5b 18 3-57
IDC XII 23 19 48 20.2–1.5 4.26N 126.80E 0 3.8,3.7L ¶602391938
ISCJB XII 23 19 48 25.7–.64 3.95N–.04 126.61E–.06 45 3.5b,3.1s
DJA XII 23 19 48 32.3–.70 4N–5.0 127E–3.0 35 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 24 10 14 07.0–.51 4.05N–.05 126.64E–.09 10 4.5b 57 3-98
ISCJB XII 24 10 14 05.1–.31 4.17N–.05 126.74E–.08 10 4.3b ¶602391991
IDC XII 24 10 14 05.0–.72 4.15N 126.53E 0 4.4L,4.3
NEIC XII 24 10 14 11.0–.94 4.15N 126.69E 45–9 4.4b,4.3
MAN XII 24 10 14 11.7 3.72N 125.96E 36 5.4b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=4.0km az=150.8.
IDC Error ellipse: s-maj=38.9km s-min=13.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=4.8km az=73.0.
ISC XII 24 12 58 20.6–.58 4.14N–.03 126.63E–.04 25–3 5.0b,4.4s 550 2-161
BJI XII 24 12 58 13.4 3.65N 126.75E 17 5.2b,4.9b ¶602057936
NEIC XII 24 12 58 20.2–.92 4.15N 126.68E 25–6 5.1b,4.9b
IDC XII 24 12 58 20.1–2.0 4.17N 126.63E 20–11 4.7,4.7
MOS XII 24 12 58 20.3–1.1 4.21N 126.61E 33 5.3b,4.7
MAN XII 24 12 58 20.0 3.89N 126.60E 50 5.7b,5.0s
ISCJB XII 24 12 58 21.4–.41 4.15N–.02 126.69E–.03 48–3 5.0b,4.3s
KLM XII 24 12 58 22.0 4.26N 127.05E 47 5.1b,4.3s
GCMT XII 24 12 58 22.2–.20 4.20N–.02 126.66E–.03 27–0 5.1W,4.3s
DJA XII 24 12 58 25.2–.30 4N–3.0 127E–2.0 60–3 5.4b,5.3
ISC Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c53; s78,c115;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.44±.25 $M_{\theta\theta}$0.89±.14; $M_{\phi\phi}$-3.55±.18; $M_{r\theta}$2.02±.33; $M_{\theta\phi}$-2.34±.11; $M_{\phi r}$-1.02±.35; Best double couple: NP1:ϕ_s53.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_s188.00000°,δ49.00000°,λ57.00000°. Principal axes: T 5.4630,Plg66.0000° ,Azm29.0000°; N -0.5520,Plg24.0000°,Azm211.0000°; P -4.9140,Plg1.0000°,Azm121.0000° M_o5.18900×10^{16}
IDC XII 24 13 08 06.4–2.4 4.35N 126.84E 0 3.5,3.3
¶602391993

IDC Error ellipse: s-maj=195.3km s-min=26.0km az=66.0.
ISC XII 24 13 30 26.9–.58 4.22N–.07 126.9E–.10 36 4.3b 48 3-123
MAN XII 24 13 30 20.2 3.81N 127.02E 51 5.4b,4.7s ¶602323392
IDC XII 24 13 30 21.2–.74 4.09N 126.66E 0 4.2,4.2L
ISCJB XII 24 13 30 24.1–.38 4.28N–.06 127.0E–.10 36 4.2b,4.2L
NEIC XII 24 13 30 26.9–.86 4.23N 126.81E 43–8 4.4b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=11.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=4.7km az=152.9.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=5.3km az=70.0.
ISC XII 24 14 05 27.3–.53 4.16N–.06 126.63E–.10 45 4.3b 57 2-91
IDC XII 24 14 05 21.1–.64 4.20N 126.67E 0 4.2,4.1 ¶602323393
ISCJB XII 24 14 05 24.9–.31 4.13N–.04 126.65E–.07 45 4.2b,2.9s
MAN XII 24 14 05 24.2 4.00N 126.44E 6 5.4b,4.6s
NEIC XII 24 14 05 26.1–.70 4.17N 126.58E 37–7 4.6b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=12.4km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.5km az=157.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.2km az=71.0.
ISC XII 24 14 14 20.3–2.0 4.3N–.30 126.7E–.50 81 3.5b 6 3-57
IDC XII 24 14 14 10.6–1.6 4.36N 126.85E 0 3.8,3.6 ¶602391995
ISC Event type ke.
IDC Error ellipse: s-maj=78.9km s-min=21.5km az=66.0.
ISC XII 24 14 18 47.3–.50 4.14N–.04 126.66E–.07 45 4.5b 69 2-91
IDC XII 24 14 18 41.4–.67 4.13N 126.52E 0 4.4,4.2 ¶602323394
ISCJB XII 24 14 18 45.6–.28 4.19N–.03 126.76E–.06 45 4.4b,3.1s
MAN XII 24 14 18 46.0 3.80N 125.92E 0 5.4b,4.6s
NEIC XII 24 14 18 47.4–.73 4.07N 126.43E 47–7 4.7b,4.6s
DJA XII 24 14 18 52.1–.50 4N–4.0 127E–4.0 80–7 4.7b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

IDC XII 24 15 30 57.9–1.0 2.25N 125.54E 0 3.8,3.7
¶602391998

IDC Error ellipse: s-maj=96.6km s-min=15.7km az=69.0.
ISC XII 24 16 00 40.3–.72 4.03N–.09 126.6E–.10 45 27 3-98
IDC XII 24 16 00 34.1–.95 4.08N 126.63E 0 4.1L,4.0 **¶602323397**
ISCJB XII 24 16 00 38.2–.43 4.07N–.06 126.7E–.10 45 3.5s,4.0
NEIC XII 24 16 00 40.8–.82 4.06N 126.67E 54–9 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=14.3km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=5.0km az=152.6.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=5.6km az=70.0.
IDC XII 24 16 15 36.8–2.1 4.21N 126.63E 0 3.5,3.3
¶602392004

IDC Error ellipse: s-maj=168.0km s-min=25.4km az=66.0.
IDC XII 24 18 31 22.0–2.2 4.05N 126.79E 0 3.3,3.2
¶602392011

IDC Error ellipse: s-maj=184.7km s-min=25.9km az=66.0.
ISC XII 24 19 50 27.2–.31 3.69N–.03 126.56E–.04 10 4.6b,3.7s 136 3-123
ISCJB XII 24 19 50 24.5–.23 3.99N–.02 126.97E–.04 10 4.5b,3.7s **¶602058085**
MAN XII 24 19 50 29.2 3.58N 126.47E 16 5.6b,4.9s
BJI XII 24 19 50 30.0 3.90N 126.80E 45 4.9b,4.5b
IDC XII 24 19 50 31.6–1.3 3.76N 126.46E 54–11 4.4,4.2
NEIC XII 24 19 50 34.4–.70 3.77N 126.67E 81–7 4.7b,4.2
KLM XII 24 19 50 36.0 3.74N 126.71E 40 4.9b,4.2
DJA XII 24 19 50 37.4–.40 4N–4.0 127E–3.0 41–5 5.2b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 24 20 41 04.4–1.1 4.0N–.10 126.6E–.30 35 3.6b 11 3-83
IDC XII 24 20 40 57.6–1.7 4.32N 126.96E 0 3.8,3.7 **¶602392017**
ISCJB XII 24 20 41 02.7–.91 4.0N–.10 126.6E–.20 35 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC XII 24 23 42 58.0–1.8 4.49N 127.32E 0 3.7,3.5
¶602392031

IDC Error ellipse: s-maj=99.7km s-min=24.0km az=69.0.
IDC XII 25 12 43 31.7–1.9 4.20N 126.67E 0 3.8,3.6b
¶602380588

IDC Error ellipse: s-maj=177.6km s-min=21.2km az=66.0.
ISC XII 25 16 41 46.2–.83 4.1N–.20 126.6E–.30 45 3.6b 9 4-82
ISCJB XII 25 16 41 44.1–.73 4.1N–.20 126.7E–.20 45 3.6b,3.4s **¶602380595**
IDC XII 25 16 41 45.8–6.0 4.09N 126.59E 39–61 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.8km s-min=8.0km az=141.4.
IDC Error ellipse: s-maj=71.8km s-min=17.7km az=64.0.
ISC XII 26 14 12 23.0–1.0 4.1N–.30 126.4E–.40 10 3.4b 9 3-57
IDC XII 26 14 12 21.7–1.6 4.09N 126.43E 0 3.6s,3.6 **¶602380645**
MAN XII 26 14 12 27.1 7.25N 127.49E 5 3.9b,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=92.7km s-min=23.8km az=61.0.
IDC XII 27 04 02 22.1–2.3 4.37N 126.41E 0 3.7,3.4
¶602380691

IDC Error ellipse: s-maj=198.3km s-min=25.6km az=65.0.
ISC XII 27 23 18 15.8–.88 4.40N–.09 125.9E–.30 150 4.0b 11 3-57
IDC XII 27 23 18 16.7–1.7 4.46N 125.60E 171–22 4.3,3.9 **¶602380740**
ISC Event type ke.
IDC Error ellipse: s-maj=66.8km s-min=13.8km az=70.0.
ISC XII 28 00 22 08.3–.52 4.23N–.06 126.81E–.09 36 4.2b,3.3s 56 3-123
IDC XII 28 00 22 02.6–.60 4.12N 126.70E 0 4.4,4.3 **¶602380750**
ISCJB XII 28 00 22 06.2–.34 4.21N–.04 126.86E–.05 36 4.2b,3.4s
DJA XII 28 00 22 09.9–.80 4N–5.0 127E–5.0 122–28 4.8b,4.5
NEIC XII 28 00 22 09.3–.95 4.22N 126.85E 48–9 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=9.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=152.3.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.7km az=61.0.
ISC XII 28 17 52 24.1–.48 3.75N–.07 126.53E–.09 45 4.5b 50 3-90
IDC XII 28 17 52 18.3–.74 3.88N 126.54E 0 3.9,3.8 **¶602380747**
NEIC XII 28 17 52 21.6–2.2 3.82N 126.49E 24–16 4.8b,3.8
ISCJB XII 28 17 52 22.3–.31 3.95N–.05 126.73E–.08 45 4.5b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 29 09 27 13.4–1.9 4.72N 127.79E 0 3.7,3.5
¶602380831

IDC Error ellipse: s-maj=121.1km s-min=19.1km az=71.0.
ISC XII 29 16 44 01.0–.69 4.19N–.05 126.77E–.07 36 4.0b 31 1-91
IDC XII 29 16 43 55.7–.82 4.06N 126.56E 0 4.1,4.1L **¶602358127**
ISCJB XII 29 16 43 59.2–.49 4.21N–.04 126.91E–.06 36 3.9b,4.1L
MAN XII 29 16 44 00.1 3.72N 126.21E 63 5.1b,4.1L
DJA XII 29 16 44 00.3–.80 4N–6.0 127E–4.0 10 4.7b,4.4
NEIC XII 29 16 44 02.2–.80 3.82N 126.42E 35 4.0b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=9.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.4km az=151.6.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=10.7km az=75.0.
ISC XII 29 17 15 05.8–.30 4.15N–.03 126.85E–.05 10 4.7b,3.5s 224 1-98
ISCJB XII 29 17 15 04.0–.17 4.19N–.02 126.92E–.03 10 4.7b,3.8s **¶602064225**
IDC XII 29 17 15 03.9–.53 4.07N 126.71E 0 4.5L,4.4
MAN XII 29 17 15 06.5 3.63N 126.22E 30 5.4b,4.7s
MOS XII 29 17 15 07.2–1.1 4.12N 126.82E 33 4.8b,4.7s
NEIC XII 29 17 15 09.8–.83 4.10N 126.86E 44–8 4.9b,4.7s
BJI XII 29 17 15 09.4 3.80N 126.54E 59 5.2b,4.7s
DJA XII 29 17 15 11.9–.40 4N–3.0 127E–3.0 40–4 5.1b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 30 02 13 37.1–2.0 4.02N 126.54E 0 3.6,3.4
¶602380868

IDC Error ellipse: s-maj=118.0km s-min=24.2km az=69.0.
IDC XII 30 21 39 41.1–2.5 3.90N 127.45E 0 3.6,3.3
¶602380910

IDC Error ellipse: s-maj=201.5km s-min=25.5km az=67.0.

(264) North of Halmahera.

IDC VII 01 19 49 33.9–3.0 3.52N 128.35E 0 4.1,3.9
¶601663373

IDC Error ellipse: s-maj=94.2km s-min=52.1km az=85.0.
IDC VII 17 12 24 39.1–1.4 3.13N 128.85E 0 3.9,3.8
¶601664722

IDC Error ellipse: s-maj=71.5km s-min=17.7km az=66.0.
IDC VII 23 17 35 04.3–1.1 3.09N 128.29E 0 3.6,3.4
¶601666325

IDC Error ellipse: s-maj=67.4km s-min=19.1km az=74.0.
IDC VII 31 17 42 20.9–5.2 4.45N 128.52E 166–86 3.7,3.4
¶601650840

IDC Error ellipse: s-maj=347.3km s-min=19.2km az=70.0.
IDC VIII 03 04 35 48.0–3.9 3.02N 128.73E 0 3.7,3.5
¶601765380

IDC Error ellipse: s-maj=350.7km s-min=21.3km az=69.0.
IDC VIII 07 04 56 18.2–4.0 3.14N 129.13E 0 3.9s,3.9
¶601765588

IDC Error ellipse: s-maj=348.4km s-min=21.4km az=69.0.
ISC VIII 07 21 15 18.1–.62 3.49N–.05 128.08E–.07 84 3.8b 40 3-63
ISCJB VIII 07 21 15 16.3–.41 3.56N–.04 128.12E–.05 84 3.7b **¶601765624**
IDC VIII 07 21 15 17.5–3.6 3.52N 128.04E 73–38 4.8L,3.8
DJA VIII 07 21 15 21.9–.70 3N–6.0 128E–3.0 129–8 4.8b,4.8b
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 18 16 39 51.4–1.8 3.04N 129.49E 0 3.6,3.4
¶601766079

IDC Error ellipse: s-maj=139.8km s-min=17.8km az=67.0.
IDC VIII 18 16 52 16.1–3.1 3.03N 129.68E 0 3.6,3.5
¶601766082

IDC Error ellipse: s-maj=250.8km s-min=21.7km az=70.0.
ISC VIII 18 18 58 35.9–.95 3.3N–.10 130.1E–.10 35 4.1b 24 4-70
IDC VIII 18 18 58 30.0–1.4 3.27N 130.41E 0 3.9,3.8 **¶601766093**
ISCJB VIII 18 18 58 33.5–.55 3.25N–.06 130.1E–.10 33 4.0b,3.8
NEIC VIII 18 18 58 34.8–.52 3.15N 130.28E 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=79.6km s-min=18.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=6.6km az=160.8.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=7.5km az=72.0.
IDC VIII 19 08 24 31.0–2.6 3.35N 130.39E 0 3.8,3.7
¶601766140

IDC Error ellipse: s-maj=181.1km s-min=20.9km az=71.0.
IDC VIII 20 18 45 12.9–2.1 3.01N 129.09E 0 3.4,3.2
¶601766212

IDC Error ellipse: s-maj=93.1km s-min=25.1km az=69.0.
ISC VIII 21 16 03 50.9–1.2 3.3N–.10 128.06E–.10 35 3.6b 15 3-68
DJA VIII 21 16 03 40.0–1.5 4N–5.0 129E–6.0 21–16 4.9b,4.8 **¶602028607**
IDC VIII 21 16 03 47.1–1.1 2.76N 126.87E 0 3.7L,3.6
ISCJB VIII 21 16 03 48.9–.87 3.32N–.08 128.01E–.09 35 3.5b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 15 12 36.5–.47 4.28N–.04 128.02E–.07 66 4.2b 65 3-120
ISCJB IX 02 15 12 34.8–.31 4.29N–.03 128.03E–.04 66 4.1b **¶601685299**
DJA IX 02 15 12 35.6–1.1 4N–10 128E–6.0 15–15 4.8b,4.5b
NEIC IX 02 15 12 36.0–1.1 4.35N 128.22E 61–10 4.2b,4.5b
IDC IX 02 15 12 35.7–2.2 4.26N 128.02E 57–22 4.2L,4.1
MAN IX 02 15 13 17.3 6.70N 126.13E 9 4.9b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.9km az=160.4.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=66.0.
IDC Error ellipse: s-maj=25.9km s-min=10.7km az=70.0.
ISC IX 10 04 32 42.2–.37 3.01N–.04 128.54E–.05 200 4.3b 104 3-139
BJI IX 10 04 32 39.0 2.90N 128.50E 180 4.9b,4.5b **¶601697128**
ISCJB IX 10 04 32 40.8–.30 3.05N–.03 128.62E–.04 200 4.2b,4.5b
NEIC IX 10 04 32 42.8–.82 2.96N 128.53E 211–8 4.5b,4.5b
IDC IX 10 04 32 43.9–.89 2.96N 128.56E 224–8 4.3,3.9
DJA IX 10 04 32 44.3–.50 3N–4.0 128E–3.0 196–3 5.0b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 16 19 14 17.6–5.8 3.85N 128.93E 0 3.5,3.3
¶601863672

IDC Error ellipse: s-maj=112.5km s-min=87.0km az=99.0.
ISC IX 19 21 30 12.9–.71 3.25N–.05 128.17E–.05 136–6 4.6b 194 3-124
BJI IX 19 21 30 04.1 2.79N 128.79E 123 4.9b,4.7b **¶601833001**
MOS IX 19 21 30 11.9–.86 3.31N 128.27E 147 4.6b,4.7b
ISCJB IX 19 21 30 11.7–.47 3.28N–.03 128.17E–.03 141–5 4.4b,4.7b
NEIC IX 19 21 30 12.8–.69 3.31N 128.25E 138–7 4.6b,4.7b
IDC IX 19 21 30 13.1–1.1 3.35N 128.35E 140–10 4.4,4.1
DJA IX 19 21 30 14.1–.60 3N–5.0 128E–3.0 111–6 5.1,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 30 05 52 32.7–1.6 4.46N 128.46E 0 3.9,3.6
¶601857523

IDC Error ellipse: s-maj=95.2km s-min=23.6km az=72.0.
IDC X 02 06 39 09.9–28 4.78N 128.63E 0 3.8,3.7
¶601996774

IDC Error ellipse: s-maj=477.2km s-min=141.6km az=164.0.
ISC X 06 21 34 41.2–.74 3.1N–.10 128.5E–.20 100 3.9b 15 5-63
IDC X 06 21 34 30.4–.86 3.15N 128.07E 0 3.9,3.8 **¶601836633**
NEIC X 06 21 34 35.2–.48 3.20N 128.29E 35 4.1b,3.8
ISCJB X 06 21 34 39.2–.56 3.15N–.08 128.5E–.10 100 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 09 15 37 31.1–.58 3.05N–.06 128.57E–.09 200 4.2b 42 3-125
ISCJB X 09 15 37 29.8–.45 3.12N–.04 128.64E–.06 200 3.9b **¶601810593**
IDC X 09 15 37 32.9–1.6 3.01N 128.61E 219–15 4.2,3.8
DJA X 09 15 37 34.6–.70 3N–7.0 128E–4.0 158–7 4.8b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC X 11 07 17 42.7–3.1 3.41N 130.46E 0 3.7,3.5
¶601997854

IDC Error ellipse: s-maj=179.3km s-min=27.0km az=71.0.
IDC X 12 21 22 36.4–1.8 3.05N 128.54E 0 3.7,3.6L
¶601998052

IDC Error ellipse: s-maj=107.0km s-min=24.3km az=64.0.
ISC X 27 19 44 25.5–1.2 3.4N–.10 128.59E–.07 45 3.7b 23 3-59
ISCJB X 27 19 44 25.1–1.0 3.35N–.09 128.51E–.06 45 3.8b,2.7s **¶601999855**
DJA X 27 19 44 25.9–1.2 3N–7.0 128E–4.0 25–16 5.0b,4.5b
IDC X 27 19 44 30.3–2.5 3.02N 128.26E 71–25 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.0km az=22.0.
IDC Error ellipse: s-maj=60.0km s-min=16.0km az=62.0.
IDC XI 02 20 00 12.4–1.7 3.36N 128.10E 0 3.3,3.2
¶602388736

IDC Error ellipse: s-maj=103.8km s-min=23.2km az=64.0.
IDC XI 02 20 11 03.9–2.6 4.15N 128.49E 0 3.9,3.7s
¶602388737

IDC Error ellipse: s-maj=194.5km s-min=26.1km az=68.0.
IDC XI 21 04 11 13.2–2.2 3.18N 128.56E 0 3.7,3.5
¶602389768

IDC Error ellipse: s-maj=145.1km s-min=26.0km az=68.0.
IDC XI 21 19 48 54.1–4.6 3.89N 128.60E 98–50 3.6,3.4
¶602389803

IDC Error ellipse: s-maj=146.5km s-min=26.5km az=67.0.
ISC XI 24 14 47 33.2–1.5 3.6N–.20 128.7E–.30 35 3.4b 7 5-59
ISCJB XI 24 14 47 30.5–1.4 3.7N–.20 128.9E–.20 33 3.5b,2.7s **¶602389939**
IDC XI 24 14 47 33.2–4.9 3.65N 128.85E 40–50 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.7km s-min=10.3km az=143.3.
IDC Error ellipse: s-maj=49.4km s-min=22.1km az=56.0.
ISC XII 06 09 44 02.2–.44 3.40N–.06 128.63E–.06 45 4.2b,3.0s 67 3-139
ISCJB XII 06 09 44 00.1–.31 3.38N–.04 128.66E–.04 45 4.3b,3.1s **¶601996740**
IDC XII 06 09 44 02.1–2.5 3.27N 128.47E 46–26 4.3,4.2
DJA XII 06 09 44 04.9–.90 4N–10 128E–4.0 10 5.3b,5.0b
NEIC XII 06 09 44 05.9–.93 3.23N 128.47E 84–9 4.3b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=158.8.
IDC Error ellipse: s-maj=22.9km s-min=11.4km az=76.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.6km az=62.0.
ISC XII 11 19 23 44.2–.53 4.00N–.07 128.29E–.09 46 4.3b 51 3-84
NEIC XII 11 19 23 41.7–4.1 4.09N 128.28E 25–30 4.7b **¶602036406**
ISCJB XII 11 19 23 42.2–.35 4.04N–.04 128.23E–.06 46 4.3b,3.4s
IDC XII 11 19 23 43.3–2.7 4.02N 128.28E 34–20 3.8L,3.7
DJA XII 11 19 23 56.4–1.1 3N–9.0 128E–7.0 10 4.7b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

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ISC VII 07 07 57 36.8–1.1 0.27N–.08 123.46E–.07 50 3.6b 16 1-63
DJA VII 07 07 57 30.3–.40 1N–4.0 123E–2.0 66–6 4.6b,4.6b **¶601663581**
IDC VII 07 07 57 49.9–20 0.38S 123.80E 170–212 3.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=128.3km s-min=41.5km az=56.0.
ISC VII 09 12 25 46.6–.32 0.21S–.03 122.73E–.04 90–2 5.2b 739 1-177

MOS VII 09 12 25 44.7–1.2 0.11S 122.68E 81 5.3b ¶601252232
ISCJB VII 09 12 25 46.0–.26 0.22S–.02 122.80E–.02 97–2 5.1b
BJI VII 09 12 25 45.4 0.20S 122.80E 87 5.3b,5.1b
DJA VII 09 12 25 47.0–.20 0S–2.0 123E–1.0 58–3 5.6b,5.5
NEIC VII 09 12 25 47.3–.39 0.17S 122.79E 94–3 5.3b,5.5
IDC VII 09 12 25 47.5–1.1 0.14S 122.69E 98–8 5.0,4.7
GCMT VII 09 12 25 47.3–.20 0.15S 122.80E 77–1 5.1W,4.7
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=106.7.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.1km az=28.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=63.0.
IDC Error ellipse: s-maj=11.6km s-min=7.9km az=73.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s65,c89; s94,c156; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.11±.14 $M_{\theta\theta}$-0.39±.11; $M_{\phi\phi}$-3.72±.13; $M_{r\theta}$2.07±.08; $M_{\theta\phi}$-2.60±.10; $M_{\phi r}$-0.70±.11; Best double couple: NP1:ϕ_S53.00000°,δ53.00000°,λ125.00000°. NP2:ϕ_S184.00000°,δ49.00000°,λ53.00000°. Principal axes: T 5.2260,Plg63.0000°,Azm25.0000°; N -0.0670,Plg27.0000°,Azm211.0000°; P -5.1600,Plg3.0000°,Azm120.0000° M_o5.19300×10^{16}
ISC VII 10 13 19 27.9–.71 0.35S–.07 121.94E–.06 10 3.8b 18 1-91
ISCJB VII 10 13 19 27.0–.53 0.34S–.05 121.92E–.07 10 3.7b ¶601664386
IDC VII 10 13 19 26.1–1.1 0.36S 122.01E 0 3.9,3.8b
DJA VII 10 13 19 29.9–.30 0S–3.0 122E–3.0 10 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
DJA VII 12 00 32 18.1–.90 0N–7.0 123E–5.0 170–11 3.5,3.5
¶602027627
ISC VII 13 05 18 04.6–.56 0.36N–.04 123.86E–.04 211–5 4.8b 305 0-154
BJI VII 13 05 18 01.5 0.40N 123.80E 189 4.8b,4.8b ¶601271884
MOS VII 13 05 18 01.2–.96 0.40N 123.65E 198 5.0b,4.8b
ISCJB VII 13 05 18 03.6–.29 0.39N–.02 123.89E–.03 216–3 4.7b,4.8b
NEIC VII 13 05 18 03.6–.44 0.40N 123.80E 201–4 4.9b,4.8b
IDC VII 13 05 18 03.7–1.3 0.36N 123.68E 204–11 5.0,4.5
DJA VII 13 05 18 04.5–.20 0N–3.0 124E–2.0 199–3 5.0,4.9b
KLM VII 13 05 18 11.0 0.29N 123.81E 285 5.0b,4.9b
ISC Event type se.
MOS Error ellipse: s-maj=13.9km s-min=6.7km az=114.4.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=144.7.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=65.0.
IDC Error ellipse: s-maj=11.6km s-min=7.0km az=71.0.
IDC VII 13 16 10 46.4–2.4 0.87N 124.89E 0 3.4,3.2
¶601664535
IDC Error ellipse: s-maj=305.6km s-min=26.3km az=64.0.
ISC VII 15 22 03 32.1–.66 0.15S–.05 123.37E–.05 150 3.9b 27 1-63
ISCJB VII 15 22 03 30.0–.46 0.19S–.05 123.38E–.05 150 3.8b ¶601664649
IDC VII 15 22 03 31.2–7.9 0.06S 123.45E 130–79 3.9,3.6
DJA VII 15 22 03 31.3–.40 0S–3.0 123E–2.0 109–6 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 02 31 15.6–.90 0.2N–.10 123.99E–.09 157 3.9b 10 2-93
IDC VII 16 02 30 58.0–1.2 0.59N 124.27E 0 4.1,4.1b ¶601664655
DJA VII 16 02 31 07.2–1.1 2N–15 120E–6.0 134–23 5.4b,5.0b
ISC Event type ke.
ISC VII 16 21 46 15.3–.51 0.06N–.06 123.44E–.05 157 4.0b 51 1-121
ISCJB VII 16 21 46 14.0–.28 0.05N–.04 123.46E–.03 157 4.0b ¶601664694
DJA VII 16 21 46 15.6–.50 0N–4.0 123E–2.0 129–10 5.2b,4.6
IDC VII 16 21 46 21.1–4.1 0.09N 123.42E 212–40 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=1.0.
IDC Error ellipse: s-maj=20.5km s-min=10.1km az=73.0.
DJA VII 18 01 55 05.4–.90 0S–2.0 120E–3.0 16–8 3.7,3.7
¶602027762
ISC VII 18 03 16 07.8–.52 1.63N–.04 124.56E–.04 217–4 4.5b 201 1-149
BJI VII 18 03 16 02.7 1.21N 124.83E 210 4.5b,4.4b ¶601404413
ISCJB VII 18 03 16 06.7–.32 1.65N–.03 124.53E–.03 222–3 4.4b,4.4b
IDC VII 18 03 16 07.4–1.8 1.66N 124.34E 212–16 4.6,4.1
MOS VII 18 03 16 08.2–.86 1.69N 124.42E 236 4.4b,4.1
DJA VII 18 03 16 08.4–.50 2N–5.0 125E–2.0 201–5 4.8,4.6
NEIC VII 18 03 16 08.3–.73 1.65N 124.48E 223–7 4.4b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=146.4.
IDC Error ellipse: s-maj=14.9km s-min=8.0km az=81.0.
MOS Error ellipse: s-maj=15.6km s-min=6.9km az=108.2.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=72.0.
IDC VII 20 14 31 48.0–1.7 0.32N 122.81E 0 3.7,3.5
¶601664872
IDC Error ellipse: s-maj=217.2km s-min=25.5km az=61.0.
IDC VII 22 22 18 17.3–2.7 1.22N 123.88E 326–26 4.0,3.4
¶601664998
IDC Error ellipse: s-maj=51.0km s-min=9.0km az=67.0.
DJA VII 23 08 26 26.8–.60 0N–4.0 123E–5.0 150–7 3.6,3.6
¶602027943
DJA VII 23 10 28 48.8–1.8 0S–3.0 123E–3.0 18–18 3.6,3.6
¶602027947
ISC VII 23 19 45 29.4–2.1 1.7N–.20 120.60E–.07 10 3.7b 13 1-56
ISCJB VII 23 19 45 28.1–1.6 1.7N–.10 120.60E–.07 10 3.6b ¶601666336
DJA VII 23 19 45 33.3–.70 1N–4.0 121E–3.0 10–5 4.5b,4.2
IDC VII 23 19 45 35.3–1.6 1.09N 121.59E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=8.5km az=163.9.
IDC Error ellipse: s-maj=192.4km s-min=27.0km az=61.0.
IDC VII 23 22 55 09.7–1.3 0.71N 123.94E 0 3.9,3.8
¶601666341
IDC Error ellipse: s-maj=207.5km s-min=19.4km az=63.0.
ISC VII 24 14 56 29.6–.80 2.00N–.07 122.81E–.07 35 3.7b,2.5s 20 2-88
IDC VII 24 14 56 24.7–.81 2.27N 123.67E 0 3.9,3.7b ¶601465934
DJA VII 24 14 56 26.9–.70 2N–5.0 123E–3.0 10 5.1b,5.0b
ISCJB VII 24 14 56 27.7–.68 1.94N–.06 122.78E–.06 33 3.7b,2.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 27 13 16 04.7–.96 0.11S–.08 122.89E–.08 162 3.7b 14 1-59
IDC VII 27 13 15 49.8–1.4 0.11N 122.85E 0 3.9,3.7 ¶601666521
ISCJB VII 27 13 16 04.1–.71 0.06S–.10 122.81E–.09 162 3.6b,3.7
DJA VII 27 13 16 06.1–.60 0S–3.0 123E–4.0 120–6 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 28 04 17 05.4–1.0 0.23N–.09 123.95E–.06 200 3.9b 15 0-63
IDC VII 28 04 16 42.4–1.5 1.31N 125.26E 0 4.1,4.0 ¶601666556
ISCJB VII 28 04 17 04.6–.77 0.29N–.10 123.95E–.06 200 3.8b,4.0
DJA VII 28 04 17 05.7–.60 0N–5.0 124E–3.0 202–6 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 28 06 53 51.7–.84 0.14S–.07 123.20E–.05 157 3.4b 18 1-63
ISCJB VII 28 06 53 51.0–.51 0.05S–.07 123.12E–.06 157 3.3b ¶601666560
IDC VII 28 06 53 50.6–10 0.16N 123.35E 139–99 3.4,3.1
DJA VII 28 06 53 52.6–.50 0S–4.0 123E–3.0 139–6 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA VII 28 09 48 20.3–.50 1N–4.0 123E–2.0 10 3.5,3.5
¶602028039
IDC VII 29 04 10 22.4–1.2 1.64N 124.56E 0 3.9,3.8
¶601666606
IDC Error ellipse: s-maj=180.0km s-min=16.4km az=63.0.
ISC VII 30 03 59 46.9–.90 0.35S–.05 123.99E–.04 100 3.3b 27 1-64
IDC VII 30 03 59 35.1–1.2 0.22S 123.43E 0 3.6,3.5 ¶601650758
ISCJB VII 30 03 59 46.3–.49 0.40S–.04 123.98E–.03 100 3.3b,3.5
DJA VII 30 03 59 47.6–.30 0S–3.0 124E–2.0 80–8 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 01 00 20 38.7–.87 1.36N–.04 124.68E–.05 55–8 4.6b,3.8s 197 1-169
BJI VIII 01 00 20 33.9 0.98N 124.57E 40 5.2b,4.8b ¶601498062
DJA VIII 01 00 20 34.7–.70 2N–3.0 125E–2.0 18–5 5.4b,5.1
ISCJB VIII 01 00 20 36.4–.50 1.35N–.03 124.64E–.03 49–5 4.5b,3.8s
NEIC VIII 01 00 20 38.0–.58 1.31N 124.59E 51–5 4.7b,3.8s
IDC VIII 01 00 20 38.2–1.9 1.36N 124.55E 53–16 4.5,4.5L
KLM VIII 01 00 20 39.0 1.28N 124.72E 64 5.2b,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=34.8.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=61.0. Felt [III] at Manado. Also felt at Tomohon.
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=73.0.
IDC VIII 01 00 26 18.3–1.6 1.29N 124.53E 0 3.9,3.7
¶601765294
IDC Error ellipse: s-maj=185.7km s-min=24.7km az=64.0.
ISC VIII 01 00 32 48.2–.43 1.42N–.05 124.52E–.05 35 4.3b 70 1-161
BJI VIII 01 00 32 45.5 1.40N 124.60E 33 5.0b,4.9s ¶601498064
ISCJB VIII 01 00 32 46.7–.30 1.42N–.03 124.63E–.04 35 4.2b,4.9s
NEIC VIII 01 00 32 47.5–.32 1.41N 124.70E 35 4.6b,4.9s
DJA VIII 01 00 32 48.6–.50 1N–4.0 124E–1.0 20–4 5.0b,4.8b
IDC VIII 01 00 32 49.1–3.0 1.45N 124.60E 48–29 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.4km az=13.8.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.3km az=72.0.
IDC Error ellipse: s-maj=21.1km s-min=12.0km az=70.0.
ISC VIII 03 17 55 29.6–.59 0.16N–.09 122.66E–.08 250 3.9b 33 1-74
ISCJB VIII 03 17 55 28.7–.41 0.25N–.07 122.77E–.09 250 3.9b ¶601765414
IDC VIII 03 17 55 31.9–1.7 0.11N 122.70E 278–18 4.3,3.7
DJA VIII 03 17 55 32.0–1.2 0N–10 123E–7.0 238–16 4.7b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 05 11 18 28.8–1.0 0.33N–.09 124.07E–.05 200 3.5b 15 0-63
IDC VIII 05 11 18 05.4–1.5 1.30N 125.07E 0 3.7,3.6 ¶601765492
ISCJB VIII 05 11 18 29.9–.71 0.22N–.09 124.11E–.05 200 3.4b,3.6
DJA VIII 05 11 18 31.3–.60 0N–4.0 124E–2.0 183–8 4.7b,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 06 07 47 08.1–.96 1.44N–.09 122.92E–.06 39 4.1b,3.2s 19 1-91
IDC VIII 06 07 47 02.4–1.2 1.48N 123.59E 0 4.3L,4.1 ¶601765542
ISCJB VIII 06 07 47 07.2–.79 1.46N–.07 122.90E–.06 39 3.9b,3.2s
DJA VIII 06 07 47 07.4–.80 1N–6.0 123E–3.0 10 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 06 17 15 29.6–1.1 0.4N–.10 122.1E–.10 190–8 3.3b 12 0-58
IDC VIII 06 17 15 08.5–1.5 0.65N 122.18E 0 3.7,3.6 ¶601765564
ISCJB VIII 06 17 15 28.0–.88 0.3N–.10 122.1E–.10 200–6 3.4b,3.6
DJA VIII 06 17 15 33.0–1.3 0N–9.0 122E–11 159–12 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 08 06 38 43.5–.40 0S–5.0 124E–4.0 97–19 4.0,4.0
¶602028257
DJA VIII 08 19 41 45.5–.30 0S–3.0 123E–3.0 78–7 3.7,3.7
¶602028265
ISC VIII 09 00 34 33.8–.99 0.05S–.07 123.05E–.06 157 3.2b 16 1-59
IDC VIII 09 00 34 15.9–1.8 0.50N 123.55E 0 4.0L,3.8 ¶601765679
ISCJB VIII 09 00 34 33.0–.57 0.05S–.06 123.05E–.06 157 3.3b,3.8
DJA VIII 09 00 34 35.3–.60 0S–3.0 123E–3.0 132–6 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 11 22 22 38.7–.90 1S–8.0 123E–7.0 16–11 3.8,3.8
¶602028334
ISC VIII 12 19 43 43.4–.45 0.16N–.05 120.53E–.04 85 4.5b 90 1-88
ISCJB VIII 12 19 43 42.5–.23 0.23N–.03 120.52E–.02 85 4.4b ¶601554142
BJI VIII 12 19 43 43.6 0.04N 120.71E 114 5.0b,4.7b
NEIC VIII 12 19 43 44.6–.78 0.17N 120.54E 101–8 4.7b,4.7b
KLM VIII 12 19 43 44.0 0.21N 120.40E 100 4.7b,4.7b
DJA VIII 12 19 43 44.5–.20 0N–2.0 121E–1.0 59–6 5.1b,4.8
IDC VIII 12 19 43 47.3–2.8 0.17N 120.68E 123–26 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=5.3.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.6km az=49.0.
IDC Error ellipse: s-maj=21.3km s-min=12.9km az=62.0.
DJA VIII 13 15 02 13.7–.40 0S–3.0 123E–3.0 52–7 3.9b,3.8
¶602028372
IDC VIII 15 20 20 35.5–1.6 0.10N 122.83E 0 3.4,3.3
¶601765897
IDC Error ellipse: s-maj=207.1km s-min=24.2km az=61.0.
ISC VIII 18 09 51 01.9–.85 0.96S–.08 120.67E–.09 10 3.8b 11 1-80
IDC VIII 18 09 51 00.3–.91 0.97S 120.81E 0 4.0,3.9 ¶601565603
DJA VIII 18 09 51 06.2–1.3 1S–10 120E–13 10 5.0,5.0
ISC Event type ke.
IDC VIII 18 09 52 25.4–1.1 0.70S 121.17E 0 4.3,4.2
¶601766043
IDC Error ellipse: s-maj=303.5km s-min=19.6km az=61.0.
IDC VIII 18 10 04 19.8–1.2 0.40S 121.69E 0 3.7,3.6
¶606588139
IDC Error ellipse: s-maj=184.3km s-min=21.0km az=61.0.
IDC VIII 18 11 27 00.9–1.2 0.40S 121.83E 0 3.8,3.7
¶601766051
IDC Error ellipse: s-maj=299.5km s-min=20.2km az=61.0.
IDC VIII 18 12 44 27.1–1.5 0.84S 120.95E 0 3.4,3.2
¶606588140
IDC Error ellipse: s-maj=413.4km s-min=24.8km az=59.0.
DJA VIII 18 21 32 54.9–.40 0S–2.0 123E–2.0 73–7 4.2b,4.1
¶602028529
ISC VIII 19 10 31 09.2–.68 0.11S–.08 122.0E–.10 300 3.4b 23 1-80
ISCJB VIII 19 10 31 07.9–.48 0.13S–.07 121.94E–.09 300 3.6b ¶601766148
IDC VIII 19 10 31 09.8–2.2 0.14S 122.00E 296–22 3.8,3.3
DJA VIII 19 10 31 10.1–.70 0S–5.0 122E–5.0 265–6 4.6b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 21 16 09 01.1–.97 0.06S–.08 123.22E–.06 157 3.1b 15 1-59
IDC VIII 21 16 08 44.1–1.6 0.46N 123.42E 0 3.8L,3.5 ¶601766260
ISCJB VIII 21 16 09 00.1–.58 0.04S–.07 123.21E–.05 157 3.1b,3.5
DJA VIII 21 16 09 00.9–.60 0S–3.0 123E–3.0 154–5 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 23 00 28 15.7–.57 0.16S–.05 122.96E–.05 100 3.9b 50 1-120
ISCJB VIII 23 00 28 15.3–.32 0.13S–.04 122.97E–.03 100 3.9b ¶601614673
IDC VIII 23 00 28 16.7–2.4 0.12S 122.98E 112–20 4.0,3.8
DJA VIII 23 00 28 17.6–.20 0S–2.0 123E–1.0 90–5 5.1b,4.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 23 23 18 09.8–.94 0.14S–.08 123.61E–.05 150 3.8b 17 1-59
IDC VIII 23 23 17 52.1–1.9 0.95N 125.11E 0 4.0,3.8 ¶601766370
ISCJB VIII 23 23 18 08.9–.53 0.06S–.08 123.60E–.05 150 3.8b,3.8
DJA VIII 23 23 18 11.6–.50 0S–5.0 124E–3.0 110–8 4.6b,4.2b
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 25 19 38 35.6–.40 0S–3.0 123E–2.0 134–5 5.5b,4.9
¶602028695
DJA VIII 27 08 51 10.9–1.1 0S–2.0 123E–2.0 28–10 4.9b,4.2
¶602028739
IDC VIII 28 02 28 23.4–1.5 0.52N 124.59E 0 3.7,3.5
¶601755493
IDC Error ellipse: s-maj=197.5km s-min=21.5km az=64.0.
DJA VIII 29 07 23 11.9–.20 1S–2.0 122E–2.0 10 4.4b,4.2
¶602028788
DJA VIII 31 15 59 36.2–1.1 1S–3.0 123E–10 112–9 3.1,3.1
¶602028860
ISC VIII 31 21 29 38.0–.78 0.13N–.07 124.29E–.05 110 3.9b 25 1-64
IDC VIII 31 21 29 25.4–1.1 0.11N 123.93E 0 3.9,3.8 ¶601668312
ISCJB VIII 31 21 29 36.6–.45 0.16N–.06 124.30E–.04 110 3.8b,3.8

DJA VIII 31 21 29 39.5–.60 0S–3.0 124E–2.0 37–14 4.7b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 03 29 04.8–.92 0.35N–.09 121.92E–.09 175–7 3.5b 12 0-58
ISCJB IX 01 03 29 04.0–.70 0.28N–.09 121.9E–.10 187–6 3.4b **¶601862692**
DJA IX 01 03 29 06.7–.80 0N–4.0 122E–4.0 156–6 3.1,3.1
IDC IX 01 03 29 08.8–14 0.21N 122.00E 220–160 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=14.6km az=158.5.
IDC Error ellipse: s-maj=98.4km s-min=26.2km az=60.0.
ISC IX 01 05 49 59.4–1.0 0.39N–.08 120.66E–.04 55 4.0b 19 1-49
IDC IX 01 05 49 51.2–1.6 0.54N 121.75E 0 4.4L,4.3 **¶601862699**
ISCJB IX 01 05 49 58.9–.71 0.44N–.07 120.58E–.04 55 3.9b,3.5s
DJA IX 01 05 50 00.2–.30 0N–3.0 121E–2.0 68–7 5.0b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 11 02 58.2–.56 0.10S–.04 123.31E–.04 147–5 4.6b 240 1-164
BJI IX 01 11 02 47.7 0.78S 123.98E 125 4.8b,4.8b **¶601670022**
KLM IX 01 11 02 56.0 0.19S 123.46E 142 4.9b,4.8b
ISCJB IX 01 11 02 57.6–.28 0.03S–.03 123.40E–.03 157–3 4.5b,4.8b
MOS IX 01 11 02 58.2–1.1 0.08N 123.22E 160 4.5b,4.8b
NEIC IX 01 11 02 58.8–.57 0.05S 123.33E 155–5 4.7b,4.8b
DJA IX 01 11 02 59.5–.20 0S–2.0 123E–2.0 123–3 5.0b,4.8
IDC IX 01 11 03 00.3–1.9 0.01N 123.19E 166–17 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.3km az=0.5.
MOS Error ellipse: s-maj=11.6km s-min=6.7km az=110.5.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=66.0.
IDC Error ellipse: s-maj=11.0km s-min=7.0km az=78.0.
ISC IX 02 11 17 01.5–.74 0.14S–.05 123.26E–.04 100 3.5b 33 1-63
ISCJB IX 02 11 17 00.2–.42 0.15S–.04 123.21E–.03 100 3.5b **¶601862780**
DJA IX 02 11 17 02.2–.30 0S–2.0 123E–1.0 78–6 4.5b,4.2b
IDC IX 02 11 17 03.4–6.9 0.10S 123.36E 117–69 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=143.8.
IDC Error ellipse: s-maj=33.0km s-min=16.7km az=70.0.
DJA IX 04 11 14 52.0–.40 0S–2.0 120E–3.0 10 4.0,4.0
¶602029108
ISC IX 04 13 39 05.3–.40 0.60S–.05 119.99E–.06 45 4.6b,4.2s 84 0-89
DJA IX 04 13 38 50.8–1.4 1S–6.0 119E–19 69–19 5.2,5.2 **¶601674441**
ISCJB IX 04 13 39 03.4–.26 0.63S–.04 119.92E–.04 45 4.6b,4.1s
IDC IX 04 13 39 03.7–5.5 0.79S 119.88E 38–50 4.4,4.2b
NEIC IX 04 13 39 05.8–.77 0.58S 119.92E 48–7 4.7b,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.7km az=145.0.
IDC Error ellipse: s-maj=25.6km s-min=11.8km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.1km az=54.0. Felt at Palu.
ISC IX 04 13 57 15.8–.92 0.48S–.05 119.77E–.07 35 3.4b 17 0-62
IDC IX 04 13 57 11.0–1.2 0.13S 120.78E 0 3.7,3.5 **¶601862936**
DJA IX 04 13 57 12.2–.40 0S–2.0 120E–4.0 10 4.0,4.0
ISCJB IX 04 13 57 13.3–.69 0.50S–.04 119.71E–.06 33 3.4b,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IX 04 15 19 09.3–.60 0S–2.0 120E–4.0 16–4 3.9,3.9
¶602029127
DJA IX 04 15 29 41.5–.50 0S–2.0 120E–4.0 14–3 3.6,3.6
¶602029128
DJA IX 05 09 26 41.2–1.4 2N–6.0 121E–6.0 11–12 3.6,3.6
¶602029184
IDC IX 05 10 19 35.1–1.7 1.04N 123.50E 0 3.8,3.6b
¶601862980
IDC Error ellipse: s-maj=203.5km s-min=25.3km az=62.0.
ISC IX 05 16 44 21.0–2.1 0.83S–.08 119.3E–.20 10 3.4b 7 1-57
IDC IX 05 16 44 23.9–1.7 0.30S 121.31E 0 3.5,3.3 **¶601862992**
DJA IX 05 16 44 23.0–1.0 1S–4.0 119E–12 10 3.5,3.5
ISC Event type ke.
ISC IX 05 19 01 22.9–1.2 0.90S–.07 119.9E–.10 7–8 3.6b 14 0-62
IDC IX 05 19 01 19.9–1.4 1.50S 119.29E 0 3.6,3.5 **¶601863000**
DJA IX 05 19 01 24.4–.50 1S–4.0 120E–7.0 10 3.6,3.6
ISC Event type ke.
ISC IX 07 02 27 50.0–2.3 1.8N–.20 123.05E–.08 35 3.4b 11 2-57
DJA IX 07 02 27 51.6–.90 2N–5.0 123E–3.0 20–7 3.7,3.7 **¶601863089**
IDC IX 07 02 27 55.5–2.0 1.01N 124.24E 0 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=140.8km s-min=26.6km az=66.0.
DJA IX 07 10 43 08.4–.30 1N–3.0 122E–2.0 43–7 5.4b,5.2b
¶602029355
ISC IX 08 12 35 38.8–.30 1.13N–.04 120.66E–.04 32 4.8b,4.0s 240 1-163
IDC IX 08 12 35 33.3–.42 1.13N 120.66E 0 4.6,4.6 **¶601696495**
BJI IX 08 12 35 35.0 0.81N 120.93E 38 5.0b,5.0b
DJA IX 08 12 35 37.8–.60 1N–5.0 121E–2.0 10 5.2b,5.2b
ISCJB IX 08 12 35 37.3–.16 1.22N–.02 120.72E–.03 32 4.7b,4.0s
MOS IX 08 12 35 38.5–1.1 1.14N 120.67E 48 5.1b,4.0s
NEIC IX 08 12 35 42.7–.65 1.10N 120.75E 73–6 4.8b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=14.6km s-min=9.9km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=161.6.
MOS Error ellipse: s-maj=8.6km s-min=5.2km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=53.0. Felt [III] at Buol.
ISC IX 08 16 46 31.5–.65 0.07N–.06 124.56E–.05 73 4.0b 28 1-80
IDC IX 08 16 46 21.9–.85 0.07N 124.17E 0 4.1,4.0 **¶601696941**
NEIC IX 08 16 46 26.9–.52 0.04N 124.16E 35 4.2b,4.0
DJA IX 08 16 46 28.0–1.2 0N–10 125E–5.0 95–31 4.6b,4.5b
ISCJB IX 08 16 46 29.9–.45 0.09N–.05 124.63E–.05 73 4.0b,4.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 09 07 02 45.9–1.2 0.09S–.09 123.28E–.07 35 3.2b 10 1-59
IDC IX 09 07 02 35.9–2.1 1.66N 126.29E 0 3.6,3.4 **¶602029474**
ISCJB IX 09 07 02 45.2–1.1 0.08S–.09 123.31E–.07 35 3.2b,3.4
DJA IX 09 07 02 48.1–.60 0S–4.0 123E–4.0 52–17 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 09 07 31 15.4–.52 0.83N–.06 123.94E–.06 250 3.8b 38 0-90
ISCJB IX 09 07 31 14.2–.43 0.95N–.05 124.02E–.06 250 3.8b **¶601704931**
IDC IX 09 07 31 16.4–2.0 0.88N 123.96E 262–20 4.1,3.7
DJA IX 09 07 31 17.8–.50 1N–4.0 124E–3.0 248–4 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 10 25 09.5–1.0 0.95S–.05 119.79E–.05 6–7 3.8b 19 0-58
ISCJB IX 11 10 25 09.4–.76 0.98S–.04 119.79E–.05 8–5 3.6b,3.4s **¶601863345**
IDC IX 11 10 25 09.1–1.4 0.15S 121.35E 0 3.9,3.7b
DJA IX 11 10 25 10.6–.30 1S–2.0 120E–3.0 10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 14 07 56 37.5–1.4 0.6N–.10 119.68E–.10 34 3.3b 10 0-56
IDC IX 14 07 56 30.9–2.3 2.49N 123.42E 0 4.2s,4.2 **¶602029842**
DJA IX 14 07 56 34.6–1.4 1N–10 120E–8.0 10 3.7,3.7
ISCJB IX 14 07 56 35.9–1.3 0.6N–.10 119.60E–.08 34 4.1s,3.3b
ISC Event type ke.
ISCJB Event type ke.
IDC IX 20 18 15 20.3–2.0 0.93N 124.93E 0 3.2,3.1
¶601863903
IDC Error ellipse: s-maj=194.3km s-min=27.6km az=64.0.
ISC IX 21 07 35 48.2–2.3 1.3N–.30 122.6E–.10 400 3.1b 9 1-57
IDC IX 21 07 35 05.5–1.2 1.68N 122.05E 0 3.6,3.5 **¶601863944**
DJA IX 21 07 35 49.0–1.4 1N–13 123E–7.0 397–16 4.9b,4.7b
ISC Event type ke.
DJA IX 22 01 07 01.4–1.0 2N–6.0 120E–4.0 20 4.1,4.1
¶602030779
DJA IX 22 20 22 58.7–.30 1S–3.0 123E–3.0 10 3.7,3.7
¶602030776
DJA IX 25 01 48 31.7–.60 1N–6.0 123E–2.0 12–3 3.9b,3.8
¶602031003
ISC IX 25 15 08 00.4–2.3 1.44N–.07 122.13E–.04 6–15 3.6b 26 1-85
IDC IX 25 15 07 58.5–1.1 1.53N 122.67E 0 3.9L,3.8 **¶601864157**
DJA IX 25 15 08 05.4–.40 1N–3.0 122E–2.0 10 4.2b,4.0
ISC Event type ke.
ISC IX 26 02 40 11.7–.79 0.53S–.05 121.86E–.05 10 3.8b 17 0-58
ISCJB IX 26 02 40 10.8–.53 0.57S–.05 121.89E–.05 10 3.5b **¶601864182**
IDC IX 26 02 40 10.2–1.6 0.02S 123.02E 0 3.5,3.4
DJA IX 26 02 40 13.0–.40 1S–3.0 122E–2.0 18–3 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IX 26 07 20 31.4–.70 0S–3.0 119E–4.0 18–5 3.6,3.6
¶602031111
DJA IX 26 16 50 56.7–.30 1S–2.0 122E–3.0 10 3.8,3.8
¶602031105
DJA IX 27 10 18 33.8–.50 1N–4.0 122E–3.0 11–3 3.5,3.5
¶602031174
ISC X 02 01 23 50.5–.77 0.13S–.06 123.00E–.05 162 3.4b 25 1-120
ISCJB X 02 01 23 49.6–.61 0.11S–.07 122.87E–.05 162 3.4b **¶601996751**
DJA X 02 01 23 50.5–.40 0S–3.0 123E–2.0 110–5 4.4b,4.3
IDC X 02 01 23 54.5–8.2 0.12S 123.11E 181–83 3.7s,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.3km az=162.8.
IDC Error ellipse: s-maj=66.6km s-min=18.7km az=76.0.
ISC X 03 07 39 26.3–1.1 0.51N–.08 122.16E–.07 100 3.2b 11 0-58
IDC X 03 07 39 10.5–2.0 2.08N 125.08E 0 3.6,3.4 **¶601996902**
ISCJB X 03 07 39 27.7–1.0 0.48N–.09 122.17E–.07 100 3.3b,3.4
DJA X 03 07 39 28.3–.50 0N–3.0 122E–3.0 88–7 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC X 03 18 13 30.4–1.3 0.0S–.10 122.0E–.10 300 3.8b 16 1-80
DJA X 03 18 13 26.5–2.9 0N–11 122E–12 324–29 3.2,3.2 **¶601996968**
ISCJB X 03 18 13 29.0–1.0 0.0S–.10 122.0E–.10 300 3.7b,3.2
IDC X 03 18 13 30.4–10 0.06S 122.19E 284–78 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=14.7km az=36.3.
IDC Error ellipse: s-maj=104.1km s-min=58.6km az=31.0.
DJA X 05 08 52 51.4–.90 0N–3.0 123E–4.0 30–19 3.6,3.6
¶601997114
ISC X 05 15 44 06.3–.61 0.04N–.04 123.64E–.04 108–5 4.8b 272 1-163
BJI X 05 15 43 54.7 0.00N 123.70E 16 5.1b,4.8b **¶601790331**
MOS X 05 15 44 02.9–.83 0.07N 123.48E 96 5.1b,4.8b
IDC X 05 15 44 05.9–1.2 0.08N 123.60E 103–9 4.7,4.5
ISCJB X 05 15 44 05.3–.29 0.03N–.02 123.68E–.02 112–3 4.8b,4.5
NEIC X 05 15 44 06.0–.68 0.06N 123.64E 108–7 4.9b,4.5
GCMT X 05 15 44 06.0–.30 0.03S–.03 123.68E–.03 80–5 4.8W,4.5
DJA X 05 15 44 07.1–.20 0S–2.0 124E–1.0 94–2 6.7,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s63,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.20±.13 $M_{\theta\theta}$-1.30±.12; $M_{\phi\phi}$0.10±.14; $M_{r\theta}$0.94±.06; $M_{\theta\phi}$-0.44±.12; $M_{\theta r}$0.60±.07; Best double couple: NP1:ϕ_s62.00000°,δ66.00000°,λ79.00000°. NP2:ϕ_s268.00000°,δ27.00000°,λ113.00000°. Principal axes: T 1.6430,Plg68.0000° ,Azm311.0000°; N 0.1750,Plg10.0000°,Azm67.0000°; P -1.8130,Plg20.0000°,Azm161.0000° $M_0$1.72800×10^{16}
ISC X 05 19 42 46.0–.92 1.28N–.07 120.68E–.05 35 3.7b,3.6s 23 1-72
IDC X 05 19 42 40.3–1.0 1.20N 120.83E 0 3.8,3.7 **¶601997191**
ISCJB X 05 19 42 44.4–.67 1.35N–.05 120.69E–.05 35 3.7b,3.6s
DJA X 05 19 42 46.6–.60 1N–4.0 121E–2.0 10 4.3b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC X 06 16 30 44.6–.74 0.23N–.06 122.24E–.05 151–7 4.2b 51 1-127
ISCJB X 06 16 30 43.9–.40 0.25N–.05 122.24E–.04 154–4 4.2b **¶601794198**
BJI X 06 16 30 43.0 0.40N 122.40E 142 4.9b,4.8b
DJA X 06 16 30 46.5–.80 0N–3.0 122E–2.0 115–7 4.4,4.4
IDC X 06 16 30 47.6–2.4 0.27N 122.30E 176–23 4.5,4.1
NEIC X 06 16 30 49.1–2.8 0.21N 122.15E 196–28 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.3km az=20.6.
IDC Error ellipse: s-maj=23.5km s-min=10.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=10.3km az=57.0.
DJA X 08 20 17 51.6–.90 2N–9.0 123E–4.0 10 4.2b,4.0
¶601997568
ISC X 10 12 11 47.3–.53 0.96S–.06 123.63E–.05 40 4.2b 44 1-121
IDC X 10 12 11 41.9–.80 0.91S 123.54E 0 4.0,3.8 **¶601906672**
ISCJB X 10 12 11 45.9–.34 0.88S–.04 123.65E–.03 40 4.1b,3.8
DJA X 10 12 11 46.5–.40 1S–4.0 124E–4.0 10 4.4,4.4
NEIC X 10 12 11 47.0–.36 0.88S 123.61E 35 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=16.8km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=20.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.5km az=64.0.
ISC X 11 23 25 22.2–1.3 1.13N–.10 122.1E–.10 44 3.9b 12 1-62
IDC X 11 23 25 14.7–1.1 0.74N 121.85E 0 4.1,3.9 **¶601997937**
ISCJB X 11 23 25 21.2–1.1 1.25N–.08 122.1E–.10 44 3.7b,3.9
DJA X 11 23 25 28.9–.50 1N–3.0 122E–3.0 59–8 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 15 05 01 57.0–1.3 0.5N–.20 124.2E–.20 116 3.6b 6 2-62
IDC X 15 05 01 42.5–1.3 1.33N 125.85E 0 3.8,3.6 **¶601998287**
DJA X 15 05 02 11.3–2.3 0N–8.0 121E–13 18–41 2.5,2.5
ISC Event type ke.
ISC X 16 07 03 33.2–.81 0.91N–.07 124.09E–.08 250 3.6b 15 0-58
IDC X 16 07 03 35.2–8.9 0.99N 123.90E 278–102 4.0,3.5 **¶601998474**
DJA X 16 07 03 37.1–.80 1N–5.0 124E–4.0 226–9 3.5,3.5
ISC Event type ke.
ISC X 17 02 29 50.8–.82 0.04N–.07 123.49E–.05 162 3.9b 17 1-59
IDC X 17 02 29 33.4–1.1 0.52N 123.87E 0 4.3L,4.2 **¶601998604**
ISCJB X 17 02 29 50.0–.53 0.09N–.07 123.47E–.05 162 3.8b,4.2
DJA X 17 02 29 50.6–.50 0N–4.0 123E–2.0 152–5 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 17 10 02 37.9–.54 0.20S–.05 122.93E–.05 100 3.7b 32 1-120
ISCJB X 17 10 02 36.6–.40 0.16S–.05 122.92E–.04 100 3.6b **¶601837574**
DJA X 17 10 02 38.6–.80 0S–2.0 123E–2.0 16–8 4.4,4.4
IDC X 17 10 02 39.0–.85 0.15S 122.98E 115–7 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.7km az=5.2.
IDC Error ellipse: s-maj=20.4km s-min=11.0km az=63.0.
DJA X 21 02 31 11.1–.50 1N–4.0 121E–3.0 13–4 4.0,4.0
¶601999116
DJA X 21 14 35 14.3–.50 1S–5.0 120E–5.0 12–5 2.9,2.9
¶601999176
DJA X 21 22 25 54.6–.50 0S–4.0 123E–3.0 79–15 4.1b,4.0
¶601999216
ISC X 24 22 12 03.0–.61 0.02S–.04 123.57E–.04 149–5 4.6b 136 1-126
BJI X 24 22 11 54.9 0.65S 123.96E 140 4.8b,4.6b **¶601846473**
ISCJB X 24 22 12 01.7–.27 0.04N–.03 123.55E–.02 150–3 4.4b,4.6b
NEIC X 24 22 12 03.2–.72 0.12N 123.58E 152–8 4.6b,4.6b
DJA X 24 22 12 03.4–.20 0S–2.0 124E–1.0 128–4 5.2b,5.2b
IDC X 24 22 12 04.1–1.5 0.09N 123.55E 161–14 4.5,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=4.0km az=14.6.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.0km az=71.0.
IDC Error ellipse: s-maj=15.1km s-min=8.0km az=71.0.
ISC X 25 10 09 45.0–.45 0.63N–.03 124.58E–.04 174–3 5.0b 387 1-160
BJI X 25 10 09 37.6 0.03N 124.86E 164 5.1b,4.9b **¶601846988**

MOS X 25 10 09 44.6–1.0 0.73N 124.53E 184 5.0b,4.9b
ISCJB X 25 10 09 44.4–.24 0.67N–.02 124.60E–.02 182–2 4.9b,4.9b
NEIC X 25 10 09 45.0–.47 0.69N 124.55E 174–4 5.0b,4.9b
IDC X 25 10 09 45.3–1.0 0.70N 124.52E 175–8 5.0,4.6
DJA X 25 10 09 45.1–.10 1N–2.0 125E–1.0 163–2 5.1,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA X 25 19 09 36.8–.30 1N–3.0 122E–2.0 10 5.7b,5.2 ¶601999634
DJA X 27 07 11 48.3–.40 1N–5.0 120E–3.0 10 3.9,3.9 ¶601999812
DJA X 28 09 48 21.3–.50 1N–3.0 120E–4.0 10 3.9,3.9 ¶602000021
ISC X 28 14 23 53.5–.94 1.11N–.09 124.03E–.06 250 3.6b 19 1-58
IDC X 28 14 23 51.9–8.0 1.67N 124.77E 249–75 4.1,3.6 **¶602000080**
DJA X 28 14 23 55.7–.70 1N–5.0 124E–2.0 235–9 3.7,3.7
ISC Event type ke.
IDC X 28 16 04 39.2–9.4 0.80N 123.57E 0 3.6s,3.6 ¶602000095
IDC Error ellipse: s-maj=190.7km s-min=145.0km az=59.0.
DJA X 29 00 37 59.5–.40 0S–3.0 123E–2.0 67–9 3.9,3.9 ¶602000173
ISC X 29 09 29 08.0–.70 0.10S–.06 123.34E–.04 157 3.8b 33 1-59
ISCJB X 29 09 29 07.3–.39 0.08S–.05 123.34E–.04 157 3.8b **¶602000257**
IDC X 29 09 29 08.5–2.5 0.10N 123.38E 161–21 3.9,3.6
DJA X 29 09 29 09.3–.50 0S–3.0 123E–2.0 140–5 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC X 30 00 32 17.5–14 0.05N 122.60E 259–157 3.6,3.1 ¶602000389
IDC Error ellipse: s-maj=94.9km s-min=26.5km az=59.0.
ISC X 31 08 09 55.3–.97 1.9N–.20 121.5E–.50 35 3.8b,2.7s 8 7-82
IDC X 31 08 09 50.1–.95 1.95N 121.50E 0 4.1,3.9 **¶602000595**
ISCJB X 31 08 09 53.1–.81 1.9N–.20 121.4E–.40 33 3.7b,2.8s
ISC Event type ke.
ISCJB Event type ke.
ISC X 31 13 30 07.0–.91 0.2S–.10 122.8E–.10 100 3.9b 11 8-60
ISCJB X 31 13 30 05.2–.80 0.12S–.09 122.79E–.09 100 3.7b **¶602000623**
IDC X 31 13 30 05.6–5.8 0.13S 122.81E 83–53 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=11.5km az=42.5.
IDC Error ellipse: s-maj=42.2km s-min=16.4km az=84.0.
IDC X 31 15 36 23.4–4.9 1.86N 122.01E 534–73 3.8,3.1 ¶602000640
IDC Error ellipse: s-maj=79.3km s-min=16.8km az=64.0.
ISC XI 01 23 37 17.6–.30 1.20N–.03 122.15E–.03 32–1 5.2b,4.8s 552 1-178
BJI XI 01 23 37 11.9 0.71N 122.39E 33 5.4b,5.1b **¶601867837**
MOS XI 01 23 37 15.9–1.2 1.24N 122.16E 33 5.4b,4.8s
ISCJB XI 01 23 37 16.8–.34 1.26N–.02 122.18E–.02 39–3 5.1b,4.8s
IDC XI 01 23 37 17.5–1.8 1.20N 122.10E 35–14 5.1L,4.8
DJA XI 01 23 37 17.6–.40 1N–2.0 122E–1.0 23–3 5.7b,5.7
GCMT XI 01 23 37 17.7–.10 1.51N–.01 122.01E–.01 32–0 5.5W,5.7
NEIC XI 01 23 37 18.2–.13 1.23N 122.11E 35 5.4W,5.3b
KLM XI 01 23 37 20.0 1.34N 122.17E 48 5.4b,5.3b
ISC Event type fe.
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=113.3.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=163.7.
IDC Error ellipse: s-maj=12.3km s-min=7.8km az=72.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c222; s126,c219;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.54±.03 $M_{\theta\theta}$-1.62±.02; $M_{\phi\phi}$0.07±.02; $M_{r\theta}$-1.66±.04; $M_{\theta\phi}$0.29±.02; $M_{\phi r}$0.09±.04; Best double couple: NP1:ϕ_s275.00000°,δ68.00000°,λ86.00000°. NP2:ϕ_s105.00000°,δ22.00000°,λ99.00000°. Principal axes: T 2.2520,Plg67.0000° ,Azm178.0000°; N 0.1120,Plg4.0000°,Azm276.0000°; P -2.3690,Plg23.0000°,Azm8.0000° M_o2.31100×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=65.0. Felt [III] at Buol and Gorontalo. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s62.00000°,δ26.00000° ,λ64.00000°. NP2:ϕ_s271.00000°,δ67.00000°,λ102.00000°. Principal axes: T 1.1600,Plg66.0000°,Azm203.0000°; N 0.3500,Plg11.0000°,Azm86.0000° ; P -1.5100,Plg21.0000°,Azm352.0000° M_o1.40000×10^{17}
DJA XI 02 03 30 06.7–.80 2N–5.0 123E–4.0 10 3.8,3.8 ¶606792847
DJA XI 02 05 40 06.7–1.2 1N–8.0 120E–4.0 10 3.7,3.7 ¶606792846
DJA XI 02 18 00 19.7–.40 1N–3.0 122E–3.0 67–5 3.9b,3.7 ¶606792839
ISC XI 03 13 12 45.6–.67 0.11S–.06 123.31E–.05 157 3.6b 31 1-59
ISCJB XI 03 13 12 44.7–.43 0.15S–.05 123.33E–.04 157 3.5b **¶602388767**
DJA XI 03 13 12 45.6–.40 0S–3.0 123E–2.0 125–5 3.9,3.8
IDC XI 03 13 12 50.9–3.7 0.05N 123.57E 205–37 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.9km az=9.2.
IDC Error ellipse: s-maj=34.2km s-min=13.8km az=67.0.
DJA XI 04 02 42 30.2–.50 0S–4.0 123E–5.0 51–20 3.5,3.5 ¶606792882
DJA XI 04 11 58 11.8–.50 0S–3.0 123E–3.0 79–8 4.3b,4.0 ¶606792875
IDC XI 06 01 08 23.9–42 0.20N 123.21E 189–137 4.1,3.8b ¶602388895
IDC Error ellipse: s-maj=583.8km s-min=46.5km az=136.0.
ISC XI 06 01 36 22.3–.42 1.30N–.02 122.25E–.03 32–2 5.5b,5.2s 1160 1-178
BJI XI 06 01 36 14.4 1.08N 122.47E 10 5.4b,5.4s **¶601874878**
NEIC XI 06 01 36 20.0–.00 1.57N 122.38E 17 5.4b,5.4s
NEIC XI 06 01 36 21.6–1.1 1.37N 122.20E 25–7 5.7W,5.7b
ISCJB XI 06 01 36 21.2–.62 1.40N–.02 122.26E–.02 33–4 5.5b,5.2s
MOS XI 06 01 36 22.4–.91 1.41N 122.29E 49 5.7b,5.0s
GCMT XI 06 01 36 22.6–.10 1.58N–.01 122.15E–.01 23–0 5.6W,5.0s
IDC XI 06 01 36 24.4–1.6 1.31N 122.22E 52–13 5.3L,5.1
DJA XI 06 01 36 25.0–.20 1N–2.0 122E–1.0 51–2 6.0b,5.9
ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}2.49 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$-0.08 $M_{r\theta}$-3.43 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s266.00000° ,δ72.00000°,λ87.00000°. NP2:ϕ_s96.00000°,δ18.00000°,λ100.00000°. Principal axes: T 4.2800,Plg62.0000°,Azm170.0000°; N -0.1000,Plg3.0000°,Azm266.0000° ; P -4.1700,Plg27.0000°,Azm358.0000° M_o4.20000×10^{17}
NEIC Event type fe. Felt [IV] at Bolaang, Buol and Gorontalo; [III] at Parigi.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c207; s126,c285; Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.30±.05 $M_{\theta\theta}$-2.25±.04; $M_{\phi\phi}$-0.04±.04; $M_{r\theta}$-2.73±.09; $M_{\theta\phi}$0.24±.03; $M_{\phi r}$-0.09±.07; Best double couple: NP1:ϕ_s270.00000°,δ70.00000° ,λ86.00000°. NP2:ϕ_s102.00000°,δ20.00000°,λ101.00000°. Principal axes: T 3.5880,Plg65.0000°,Azm173.0000°; N -0.0480,Plg4.0000°,Azm272.0000° ; P -3.5380,Plg25.0000°,Azm3.0000° M_o3.56300×10^{17}
ISC XI 06 01 38 22.6–.40 1.30N–.08 122.13E–.09 35 5.0b 58 5-178
IDC XI 06 01 38 17.6–.47 1.25N 122.03E 0 5.0,5.0L **¶602051291**
ISCJB XI 06 01 38 20.5–.30 1.29N–.05 122.11E–.07 33 4.9b,5.0L
NEIC XI 06 01 38 20.1–3.2 1.28N 122.09E 17–20 5.0b,5.0L
GCMT XI 06 01 38 23.1–.20 1.82N–.02 122.20E–.02 39–0 5.6W,5.0L
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c84; s92,c152;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.50±.09 $M_{\theta\theta}$-2.23±.06; $M_{\phi\phi}$-0.26±.07; $M_{r\theta}$-1.55±.05; $M_{\theta\phi}$0.09±.05; $M_{\phi r}$0.03±.07; Best double couple: NP1:ϕ_s272.00000°,δ62.00000°,λ89.00000°. NP2:ϕ_s93.00000°,δ28.00000°,λ91.00000°. Principal axes: T 2.9630,Plg73.0000° ,Azm180.0000°; N -0.2640,Plg1.0000°,Azm272.0000°; P -2.6960,Plg17.0000°,Azm2.0000° M_o2.82900×10^{17}

ISC XI 06 01 42 28.9–.54 1.35N–.03 122.24E–.04 59–4 5.2s,5.2b 457 1-164
BJI XI 06 01 42 20.5 0.88N 122.60E 34 5.6b,5.3s **¶601874879**
MOS XI 06 01 42 25.2–.95 1.39N 122.24E 44 5.4b,5.3s
ISCJB XI 06 01 42 27.0–.41 1.38N–.02 122.23E–.02 58–4 5.1b,5.1s
NEIC XI 06 01 42 26.3–.12 1.36N 122.17E 35 5.6W,5.4b
GCMT XI 06 01 42 26.3–.20 1.65N–.01 122.09E–.01 28–0 5.7W,5.4b
NEIC XI 06 01 42 26.0–.00 1.44N 122.14E 17 5.7W,5.4b
IDC XI 06 01 42 27.8–1.9 1.34N 122.20E 51–17 5.1L,4.8
DJA XI 06 01 42 27.9–.20 1N–2.0 122E–1.0 50–2 5.8b,5.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c131; s132,c306;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.69±.07 $M_{\theta\theta}$-2.47±.05; $M_{\phi\phi}$-0.21±.05; $M_{r\theta}$-2.71±.09; $M_{\theta\phi}$0.21±.03; $M_{\phi r}$-0.08±.10; Best double couple: NP1:ϕ_s270.00000°,δ68.00000°,λ87.00000°. NP2:ϕ_s99.00000°,δ22.00000°,λ98.00000°. Principal axes: T 3.8580,Plg67.0000° ,Azm174.0000°; N -0.2150,Plg3.0000°,Azm272.0000°; P -3.6390,Plg23.0000°,Azm3.0000° M_o3.74800×10^{17}
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$0.04 $M_{r\theta}$-2.11 $M_{\theta\phi}$0.60 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s272.00000° ,δ71.00000°,λ78.00000°. NP2:ϕ_s125.00000°,δ22.00000°,λ122.00000°. Principal axes: T 2.6900,Plg61.0000°,Azm163.0000°; N 0.0800,Plg11.0000°,Azm275.0000° ; P -2.7700,Plg25.0000°,Azm11.0000° M_o2.70000×10^{17}
ISC XI 06 06 27 53.5–.65 1.58N–.07 122.32E–.06 38 4.2b 35 2-119
IDC XI 06 06 27 47.6–.69 1.30N 122.00E 0 4.5L,4.3 **¶602054262**
DJA XI 06 06 27 48.7–.60 2N–5.0 122E–2.0 10 5.0b,4.8
ISCJB XI 06 06 27 51.3–.41 1.57N–.05 122.38E–.06 38 4.4b,4.8
NEIC XI 06 06 27 52.3–3.5 1.54N 122.41E 30–25 4.4b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=71.5km s-min=13.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.3km az=162.6.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=6.2km az=61.0.
ISC XI 07 08 18 19.5–.64 0.35N–.05 122.18E–.04 168–6 4.4b 90 0-89
ISCJB XI 07 08 18 18.5–.31 0.36N–.04 122.22E–.03 173–3 4.3b **¶601876355**
DJA XI 07 08 18 19.5–.30 0N–3.0 122E–2.0 156–3 4.9b,4.5
NEIC XI 07 08 18 20.8–.52 0.28N 122.20E 183–5 4.4b,4.5
IDC XI 07 08 18 22.7–4.6 0.32N 122.19E 199–46 4.5,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=27.7.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.4km az=55.0.
IDC Error ellipse: s-maj=50.0km s-min=9.8km az=63.0.
DJA XI 07 16 38 09.3–.30 1S–4.0 124E–2.0 10 3.8b,3.8 ¶606792918
DJA XI 07 20 56 39.8–.80 0S–3.0 124E–2.0 14–7 3.8b,3.8 ¶606792916
ISC XI 08 09 37 23.7–.87 0.26S–.06 119.69E–.09 35 3.7b 19 1-94
IDC XI 08 09 37 18.7–.95 0.15N 120.71E 0 4.0,3.8 **¶602389028**
ISCJB XI 08 09 37 21.7–.69 0.29S–.05 119.64E–.07 35 3.6b,3.4s
DJA XI 08 09 37 22.3–.40 0S–2.0 120E–4.0 10 5.3b,4.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 22 44 12.1–.56 0.26N–.05 122.22E–.05 162–5 4.3b 101 0-120
ISCJB XI 11 22 44 11.0–.32 0.26N–.03 122.21E–.03 163–3 4.3b **¶601884080**
NEIC XI 11 22 44 12.3–.28 0.29N 122.29E 162 4.5b
DJA XI 11 22 44 12.0–.50 0N–5.0 122E–3.0 136–8 5.2b,4.6b
IDC XI 11 22 44 13.0–.86 0.34N 122.28E 169–8 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=37.4.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.0km az=66.0.
IDC Error ellipse: s-maj=16.3km s-min=8.1km az=72.0.
ISC XI 12 21 26 27.3–1.0 0.75S–.07 123.24E–.05 35 3.4b 13 1-59
IDC XI 12 21 26 21.3–1.6 0.55S 123.46E 0 3.6,3.4 **¶602389308**
ISCJB XI 12 21 26 25.3–.75 0.62S–.09 123.34E–.07 35 3.4b,3.4
DJA XI 12 21 26 26.7–.30 1S–4.0 123E–3.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 13 12 42 50.7–.46 0.26N–.06 122.25E–.06 150 4.4b 80 0-120
ISCJB XI 13 12 42 49.1–.24 0.27N–.04 122.22E–.04 150 4.4b **¶601890920**
DJA XI 13 12 42 50.4–.20 0N–4.0 122E–2.0 130–3 5.3b,4.8
NEIC XI 13 12 42 50.8–1.2 0.25N 122.29E 156–9 4.4b,4.8
IDC XI 13 12 42 52.6–2.0 0.21N 122.25E 171–18 4.4,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=38.2.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.8km az=85.0.
IDC Error ellipse: s-maj=25.2km s-min=10.3km az=58.0.
ISC XI 15 22 10 25.2–.61 0.04S–.04 123.44E–.05 159–5 4.5b 133 1-126
ISCJB XI 15 22 10 24.4–.33 0.00S–.03 123.46E–.03 165–3 4.5b **¶601903363**
NEIC XI 15 22 10 25.1–.55 0.03S 123.43E 158–5 4.7b
IDC XI 15 22 10 25.4–1.7 0.01S 123.35E 160–16 4.5,4.1
DJA XI 15 22 10 27.4–.30 0S–3.0 123E–3.0 112–6 4.6b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 16 17 39 12.4–3.1 1.42N 121.75E 513–47 3.6,2.8 ¶602389524
IDC Error ellipse: s-maj=44.4km s-min=15.9km az=80.0.
DJA XI 18 23 45 48.0–.70 0S–2.0 123E–3.0 16–7 5.5b,5.0 ¶606793049
ISC XI 19 18 58 08.0–.62 0.76N–.08 120.9E–.10 500 3.5b 35 1-91
ISCJB XI 19 18 58 07.9–.37 0.90N–.06 120.85E–.08 500 3.5b **¶602389690**
DJA XI 19 18 58 09.6–1.1 1N–10 121E–6.0 514–9 3.9b,3.6
IDC XI 19 18 58 10.8–1.9 0.61N 120.96E 555–30 4.1,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.2km az=153.0.
IDC Error ellipse: s-maj=20.5km s-min=11.5km az=70.0.
DJA XI 20 08 39 04.8–.60 1N–3.0 121E–2.0 65–8 3.7,3.7 ¶606793085
ISC XI 20 17 42 37.5–.99 0.17N–.10 123.36E–.05 250 3.2b 17 1-59
IDC XI 20 17 42 09.4–1.2 1.46N 125.15E 0 3.6,3.4 **¶606793081**
ISCJB XI 20 17 42 37.2–.54 0.17N–.09 123.36E–.04 250 3.2b,3.4
DJA XI 20 17 42 38.4–.60 0N–6.0 123E–3.0 241–6 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC XI 21 12 00 10.0–.86 0.52N–.10 122.28E–.05 10 3.7b 12 0-58
DJA XI 21 12 00 04.4–.70 2N–6.0 122E–3.0 10 4.5b,4.3 **¶602389784**
IDC XI 21 12 00 09.2–1.2 0.53N 122.42E 0 3.8,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=143.8km s-min=19.7km az=64.0.
DJA XI 25 08 23 25.9–.30 1N–3.0 122E–2.0 10 4.2b,3.9 ¶606793137
DJA XI 26 07 59 36.5–.90 0N–4.0 124E–5.0 77–10 4.0b,3.9 ¶606793149
DJA XI 26 19 43 56.3–.90 0N–3.0 123E–5.0 31–18 3.9b,3.7 ¶606793143
ISC XI 27 14 34 56.3–.81 0.27N–.08 123.81E–.06 218 23 0-59
IDC XI 27 14 34 33.2–1.2 0.97N 124.45E 0 4.1,4.1L **¶602000845**
ISCJB XI 27 14 34 54.9–.52 0.38N–.07 123.73E–.07 218 4.3b,4.1L
NEIC XI 27 14 34 56.1–.96 0.48N 123.96E 214–11 4.3b,4.1L
DJA XI 27 14 34 56.2–.60 0N–4.0 124E–3.0 210–5 3.7b,3.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 27 15 00 18.7–.42 0.87N–.06 123.90E–.05 250 4.2b 74 0-92
NEIC XI 27 15 00 19.8–.64 0.92N 123.93E 267–7 4.3b **¶601994841**
IDC XI 27 15 00 20.9–1.4 0.90N 123.79E 278–14 4.3,3.8
DJA XI 27 15 00 23.8–.60 1N–5.0 124E–2.0 218–7 4.7b,4.1
ISC Event type se.
NEIC Event type se.
IDC XI 28 11 02 51.7–1.2 0.19N 121.65E 0 3.9,3.8 ¶602390112

IDC Error ellipse: s-maj=137.0km s-min=19.2km az=64.0.
ISC XI 28 21 48 25.0–1.1 0.3N–.10 121.79E–.09 200 3.6b 11 0-58
IDC XI 28 21 48 02.7–1.4 0.75N 122.49E 0 3.9,3.7 **¶602390137**
ISCJB XI 28 21 48 24.4–.81 0.3N–.10 121.8E–.10 200 3.6b,3.7
DJA XI 28 21 48 27.8–1.0 0N–5.0 122E–5.0 172–10 3.0,3.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 28 22 20 54.2–1.1 0.61N–.09 122.68E–.08 114 3.4b 11 1-58
IDC XI 28 22 20 41.8–1.6 0.58N 122.49E 0 3.5,3.4 **¶602390138**
ISCJB XI 28 22 20 52.5–.80 0.62N–.08 122.62E–.09 114 3.4b,3.4
DJA XI 28 22 20 53.1–.60 1N–6.0 123E–3.0 72–12 4.6b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 29 01 08 08.9–1.1 1.3N–.30 122.0E–.70 38 3.7b 8 20-67
IDC XI 29 01 08 03.6–.96 1.47N 122.35E 0 4.2L,3.7 **¶602390144**
ISCJB XI 29 01 08 07.0–.77 1.3N–.30 122.0E–.60 38 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 01 19 06 47.2–.81 0.66S–.05 123.66E–.04 55–8 4.4b,3.4s 138 1-153
DJA XII 01 19 06 44.6–.20 1S–2.0 124E–2.0 10 5.2b,4.9b **¶601995680**
ISCJB XII 01 19 06 45.5–.41 0.65S–.03 123.71E–.03 56–4 4.5b,3.4s
BJI XII 01 19 06 45.0 0.60S 123.70E 45 4.8b,4.6s
NEIC XII 01 19 06 46.9–.77 0.59S 123.70E 56–8 4.6b,4.6s
IDC XII 01 19 06 46.9–2.9 0.48S 123.65E 52–26 4.2,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=34.7.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.5km az=60.0.
IDC Error ellipse: s-maj=22.0km s-min=12.4km az=66.0.
ISC XII 02 07 22 40.6–1.1 0.3N–.30 121.7E–.70 113 3.6b 7 19-62
IDC XII 02 07 22 27.7–.94 0.37N 121.61E 0 4.2L,3.8 **¶602390335**
ISC Event type ke.
IDC Error ellipse: s-maj=113.8km s-min=17.2km az=65.0.
ISC XII 02 10 33 44.3–.99 0.75S–.09 123.7E–.10 54 3.4b 10 1-60
IDC XII 02 10 33 36.5–1.3 0.82S 123.12E 0 3.7,3.6 **¶602390344**
ISCJB XII 02 10 33 43.5–.85 0.81S–.09 123.70E–.09 54 3.5b,3.6
DJA XII 02 10 33 45.3–.70 1S–6.0 123E–6.0 10 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 05 23 36 24.5–1.5 0.6N–.10 122.7E–.20 114 3.3b 9 1-58
IDC XII 05 23 36 10.6–1.6 0.68N 122.63E 0 4.4L,3.9 **¶602390525**
DJA XII 05 23 36 28.0–1.0 0N–5.0 122E–6.0 126–8 3.4,3.4
ISC Event type ke.
ISC XII 09 20 21 23.2–.80 0.14S–.06 123.08E–.05 162 3.5b 20 1-59
ISCJB XII 09 20 21 22.5–.58 0.00S–.07 123.10E–.06 162 3.4b **¶602390923**
DJA XII 09 20 21 24.2–.40 0S–3.0 123E–2.0 159–5 4.0b,4.0
IDC XII 09 20 21 33.9–13 0.23S 123.03E 292–165 3.5,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.9km az=19.1.
IDC Error ellipse: s-maj=86.6km s-min=22.4km az=49.0.
ISC XII 11 02 49 49.5–.72 0.2S–.10 121.79E–.08 250 3.8b 16 1-128
ISCJB XII 11 02 49 46.9–.82 0.3S–.10 121.6E–.10 250 3.6b **¶602391056**
IDC XII 11 02 49 53.2–2.8 0.15S 122.10E 298–29 4.0,3.5
DJA XII 11 02 50 10.9–.80 0S–12 123E–4.0 10 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XII 12 01 44 31.7–1.8 0.1N–.20 123.3E–.10 150 3.0b 8 1-59
IDC XII 12 01 44 10.8–1.6 0.79N 123.26E 0 3.8L,3.6 **¶602391137**
ISCJB XII 12 01 44 31.2–1.7 0.0N–.20 123.3E–.10 150 3.1b,3.6
DJA XII 12 01 44 32.6–.90 0S–8.0 123E–6.0 153–16 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 13 02 50 20.0–1.8 0.15N 124.20E 0 3.5,3.3
¶602391225
IDC Error ellipse: s-maj=185.9km s-min=26.7km az=63.0.
IDC XII 13 09 21 17.9–1.5 0.28N 122.02E 0 3.5,3.3
¶602391246
IDC Error ellipse: s-maj=211.8km s-min=24.3km az=61.0.
ISC XII 13 20 47 32.1–.46 0.22N–.06 122.57E–.05 150 4.2b 66 1-120
ISCJB XII 13 20 47 30.7–.30 0.27N–.04 122.62E–.05 150 4.2b **¶602043436**
DJA XII 13 20 47 33.0–.30 0N–3.0 123E–2.0 138–3 4.4b,4.3b
NEIC XII 13 20 47 33.9–.84 0.18N 122.68E 166–9 4.4b,4.3b
IDC XII 13 20 47 39.8–2.8 0.22N 122.59E 229–28 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=160.8.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=8.8km az=54.0.
IDC Error ellipse: s-maj=22.3km s-min=9.4km az=69.0.
ISC XII 17 09 16 31.3–.36 0.69S–.03 123.88E–.03 46–2 5.8b,5.6s 1736 1-176
BJI XII 17 09 16 26.1 0.70S 123.80E 15 5.9b,5.8s **¶602043844**
IDC XII 17 09 16 28.5–1.3 0.56S 123.77E 27–7 5.4s,5.4
NEIC XII 17 09 16 28.0–.00 0.81S 123.94E 30 5.4s,5.4
MOS XII 17 09 16 29.1–1.3 0.51S 123.80E 39 5.8b,5.4s
NEIC XII 17 09 16 30.9–.36 0.65S 123.81E 44–3 6.4,6.1W
GCMT XII 17 09 16 31.9–.10 0.69S 123.93E 37–0 6.1W,6.1W
ISCJB XII 17 09 16 31.3–.27 0.72S–.01 123.86E–.01 63–2 5.7b,6.1W
DJA XII 17 09 16 33.4–.20 1S–2.0 124E–1.0 45–2 6.4,6.4b
KLM XII 17 09 16 35.0 0.77S 123.91E 65 6.1b,6.4b
ISC Event type fe.
IDC Error ellipse: s-maj=11.9km s-min=8.2km az=58.0.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-1.30 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.35 $M_{\phi r}$0.75 Best double couple: NP1:ϕ_s125.00000° ,δ73.00000°,λ-21.00000°. NP2:ϕ_s221.00000°,δ69.00000°,λ-161.00000°. Principal axes: T 1.6100,Plg2.0000°,Azm173.0000°; N 0.1200,Plg62.0000°,Azm267.0000° ; P -1.7300,Plg27.0000°,Azm82.0000° $M_0$1.70000×10^{18}
MOS Error ellipse: s-maj=5.8km s-min=4.3km az=113.0.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=55.0. Felt [IV] in the Kepulauan Banggai and [II] at Tolitoli. Energy computed from BB mechanism. Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.83 $M_{\phi r}$0.73 Best double couple: NP1:ϕ_s214.00000°,δ79.00000°,λ-162.00000°. NP2:ϕ_s120.00000° ,δ73.00000°,λ-12.00000°. Principal axes: T 2.0100,Plg4.0000°,Azm346.0000° ; N 0.0900,Plg69.0000°,Azm245.0000°; P -2.1000,Plg20.0000°,Azm78.0000° $M_0$2.10000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s115.00000°,δ65.00000°,λ-11.00000°. NP2:ϕ_s210.00000°,δ80.00000°,λ-155.00000°. Principal axes: T Plg10.0000°,Azm341.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm75.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c325; s147,c508; Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$1.51±.01; $M_{\phi\phi}$-1.40±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.23±.01; $M_{\phi r}$1.14±.02; Best double couple: NP1:ϕ_s224.00000°,δ74.00000° ,λ-154.00000°. NP2:ϕ_s126.00000°,δ65.00000°,λ-18.00000°. Principal axes: T 1.5400,Plg6.0000°,Azm353.0000°; N 0.5350,Plg59.0000°,Azm254.0000° ; P -2.0730,Plg30.0000°,Azm87.0000° $M_0$1.80600×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.3km az=157.8.
DJA XII 17 09 32 13.7–1.5 1S–3.0 124E–3.0 31–19 4.7b,4.5
¶606793477
DJA XII 17 09 44 06.8–1.0 1S–4.0 124E–3.0 11–9 4.2b,4.0
¶606793476
DJA XII 17 09 48 03.6–.60 0S–4.0 123E–4.0 197–8 3.6,3.6
¶606793475
DJA XII 17 10 14 56.6–1.1 1S–7.0 124E–9.0 23–15 3.5,3.5
¶606793471
ISC XII 17 10 26 27.5–1.2 0.84S–.07 123.83E–.06 53 2.8b 11 1-60
IDC XII 17 10 26 20.5–1.8 0.55S 124.62E 0 3.1,3.1 **¶602391535**
ISCJB XII 17 10 26 26.5–.77 0.85S–.09 123.81E–.07 53 2.9b,3.1
DJA XII 17 10 26 26.4–.80 1S–4.0 124E–3.0 24–11 4.4b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 17 11 17 04.1–.75 0.81S–.05 123.90E–.04 53 3.8b 31 1-60
DJA XII 17 11 17 01.7–.20 1S–3.0 124E–2.0 10 4.7b,4.6b **¶602391537**
ISCJB XII 17 11 17 02.5–.36 0.79S–.04 123.92E–.03 53 3.8b,4.6b
IDC XII 17 11 17 05.5–6.4 0.61S 123.94E 79–69 4.2L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=9.2.
IDC Error ellipse: s-maj=50.0km s-min=17.9km az=63.0.
ISC XII 17 12 03 22.6–.92 0.78S–.06 123.86E–.06 35 3.8b 15 1-64
IDC XII 17 12 03 16.1–1.1 0.81S 123.38E 0 3.9L,3.8 **¶602391539**
ISCJB XII 17 12 03 22.7–.66 0.78S–.07 123.90E–.05 35 3.6b,3.8
DJA XII 17 12 03 23.2–.90 1S–3.0 124E–3.0 22–12 4.5b,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA XII 18 01 32 54.6–2.8 1S–22 124E–32 29–25 3.7,3.7
¶606793495
IDC XII 18 08 53 23.1–2.0 0.81N 124.99E 0 3.7,3.5
¶602391595
IDC Error ellipse: s-maj=186.7km s-min=27.5km az=64.0.
ISC XII 18 16 55 33.9–1.2 0.87S–.10 123.84E–.07 53 3.0b 15 1-60
IDC XII 18 16 55 25.2–1.7 0.65S 123.49E 0 3.8L,3.5 **¶602391616**
DJA XII 18 16 55 30.9–.30 1S–4.0 124E–3.0 10 4.1b,4.1
ISCJB XII 18 16 55 31.8–.61 0.85S–.08 123.86E–.04 53 3.1b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XII 19 22 02 51.5–1.2 0.70S–.07 123.81E–.09 88 2.9b 12 1-60
IDC XII 19 22 02 41.5–1.9 0.21S 124.17E 0 3.2,3.1 **¶602391688**
DJA XII 19 22 02 48.8–.60 1S–4.0 124E–5.0 10 4.7b,3.9
ISCJB XII 19 22 02 50.8–.77 0.64S–.07 123.70E–.08 88 2.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA XII 20 10 12 02.5–1.2 1S–4.0 124E–3.0 10–10 3.9b,3.7
¶606793516
IDC XII 21 00 49 31.7–1.7 0.59N 123.70E 0 3.5,3.3
¶602391765
IDC Error ellipse: s-maj=189.1km s-min=25.9km az=62.0.
IDC XII 22 02 26 17.5–8.9 1.49N 124.85E 0 3.6,3.5
¶602391844
IDC Error ellipse: s-maj=183.5km s-min=136.8km az=65.0.
DJA XII 22 08 50 23.5–.70 1S–4.0 123E–4.0 14–6 3.5,3.5
¶606793540
ISC XII 23 18 16 16.8–.60 0.26S–.06 122.95E–.05 100 4.0b 34 1-120
ISCJB XII 23 18 16 15.4–.37 0.20S–.04 122.93E–.04 100 3.8b **¶602391935**
IDC XII 23 18 16 17.6–2.2 0.19S 122.97E 104–19 4.0,3.7
DJA XII 23 18 16 17.0–.30 0S–3.0 123E–2.0 54–16 5.3b,4.8b
ISC Event type ke.
ISCJB Event type ke.
DJA XII 23 19 08 52.6–1.1 1S–3.0 124E–2.0 24–9 3.9b,3.6
¶606793548
DJA XII 24 10 05 06.4–.50 0S–4.0 123E–4.0 60–13 3.6,3.6
¶606793580
DJA XII 24 19 43 28.3–.50 1N–4.0 122E–2.0 10 3.7,3.7
¶606793570
ISC XII 25 04 37 09.0–.97 0.03S–.05 123.49E–.05 35 3.4b 18 1-59
IDC XII 25 04 37 00.4–1.7 0.75N 124.59E 0 3.6,3.4 **¶602380566**
ISCJB XII 25 04 37 08.7–.63 0.14S–.06 123.51E–.05 35 3.3b,3.4
DJA XII 25 04 37 09.3–.40 0N–3.0 123E–2.0 57–10 4.6b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC XII 26 13 04 35.7–1.9 1.99N 124.74E 0 3.8,3.6b
¶602380640
IDC Error ellipse: s-maj=188.1km s-min=25.4km az=64.0.
ISC XII 27 10 13 08.5–1.2 0.29N–.10 122.42E–.07 150 2.9b 13 1-37
IDC XII 27 10 12 45.3–9.4 0.54N 121.63E 0 3.5,3.3 **¶602380709**
ISCJB XII 27 10 13 09.3–.86 0.32N–.09 122.41E–.07 150 3.1b,3.3
DJA XII 27 10 13 09.1–.60 0N–4.0 122E–3.0 154–5 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA XII 28 00 44 55.0–.30 0N–3.0 120E–2.0 47–7 4.9b,4.2
¶606793635
ISC XII 28 17 04 39.8–.99 0.65S–.06 123.80E–.05 100 3.3b 17 1-60
DJA XII 28 17 04 35.9–.30 1S–3.0 124E–2.0 10 4.6b,4.5b **¶605478710**
ISCJB XII 28 17 04 36.5–.62 0.71S–.07 123.88E–.06 100 3.4b,4.5b
IDC XII 28 17 04 48.8–5.1 0.26N 125.76E 182–60 3.6s,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.8km az=179.3.
IDC Error ellipse: s-maj=62.0km s-min=16.1km az=64.0.
ISC XII 28 17 32 17.8–.21 0.23S–.02 122.89E–.03 111–1 5.4b 1450 1-177
ISCJB XII 28 17 32 17.4–.23 0.17S–.01 122.97E–.02 119–2 5.4b **¶602060900**
NEIC XII 28 17 32 17.0–.00 0.35S 122.95E 120 5.4b
MOS XII 28 17 32 18.8–1.0 0.10S 122.89E 130 5.4b
NEIC XII 28 17 32 18.1–.09 0.15S 122.92E 112 5.5W,5.5W
IDC XII 28 17 32 18.5–.54 0.14S 122.84E 116–4 5.5,5.1
DJA XII 28 17 32 18.2–.10 0S–1.0 123E–1.0 101–2 5.9,5.8b
KLM XII 28 17 32 19.0 0.18S 123.04E 106 5.6b,5.8b
GCMT XII 28 17 32 20.1–.10 0.16S–.01 122.99E–.01 107–0 5.5W,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.27 $M_{r\theta}$1.72 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s106.00000° ,δ74.00000°,λ105.00000°. NP2:ϕ_s243.00000°,δ22.00000°,λ49.00000°. Principal axes: T 2.2300,Plg58.0000°,Azm37.0000°; N 0.0700,Plg14.0000°,Azm282.0000° ; P -2.3000,Plg27.0000°,Azm184.0000° $M_0$2.30000×10^{17}
NEIC Event type fe. Felt [III] at Luwuk. Also felt at Gorontalo and Kintom. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$0.79 $M_{\phi\phi}$-0.38 $M_{r\theta}$1.65 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s116.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_s312.00000° ,δ17.00000°,λ106.00000°. Principal axes: T 2.1700,Plg61.0000°,Azm19.0000° ; N -0.0400,Plg4.0000°,Azm117.0000°; P -2.1300,Plg29.0000°,Azm210.0000° $M_0$2.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c213; s124,c243;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.03 $M_{\theta\theta}$-1.43±.03; $M_{\phi\phi}$0.18±.03; $M_{r\theta}$1.52±.02; $M_{\theta\phi}$-0.10±.03; $M_{\phi r}$-0.77±.02; Best double couple: NP1:ϕ_s109.00000°,δ72.00000°,λ107.00000°. NP2:ϕ_s245.00000°,δ24.00000°,λ48.00000°. Principal axes: T 2.2130,Plg60.0000° ,Azm43.0000°; N -0.0690,Plg16.0000°,Azm284.0000°; P -2.1390,Plg25.0000° ,Azm186.0000° $M_0$2.17600×10^{17}
IDC XII 28 20 36 35.8–1.8 1.46N 124.19E 0 3.5,3.3
¶602380797
IDC Error ellipse: s-maj=190.4km s-min=25.0km az=63.0.
ISC XII 29 01 33 10.5–.65 0.77S–.05 122.42E–.04 26 3.9b 32 0-120
IDC XII 29 01 33 06.0–.83 0.97S 121.79E 0 4.0,3.9 **¶602380811**
ISCJB XII 29 01 33 10.0–.40 0.81S–.04 122.43E–.04 26 3.9b,2.6s
DJA XII 29 01 33 09.9–.20 1S–2.0 122E–2.0 10 4.6b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 29 04 10 39.9–.52 0.02N–.07 123.35E–.07 157 3.8b 36 1-127
ISCJB XII 29 04 10 38.8–.41 0.03N–.06 123.36E–.07 157 3.8b **¶602380822**
DJA XII 29 04 10 40.9–.70 0N–4.0 123E–5.0 140–9 4.1,4.1
IDC XII 29 04 10 41.4–2.2 0.06N 123.35E 168–19 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.1km az=149.4.
IDC Error ellipse: s-maj=26.9km s-min=10.6km az=73.0.
ISC XII 29 04 36 41.6–1.1 0.75S–.08 122.50E–.06 46 3.7b 17 0-59
IDC XII 29 04 36 35.3–1.5 0.52S 122.52E 0 4.0,3.7 **¶602380824**
ISCJB XII 29 04 36 40.8–.70 0.78S–.07 122.49E–.06 46 3.7b,3.4s
DJA XII 29 04 36 40.6–.30 1S–3.0 122E–2.0 10 4.7b,4.3b
ISC Event type ke.
ISCJB Event type ke.

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ISC VII 02 14 49 00.5–.63 1.56N–.09 127.0E–.30 103 4.2b 22 5-124
IDC VII 02 14 48 48.2–.55 1.59N 126.77E 0 4.3,4.2 **¶601263684**
NEIC VII 02 14 48 53.3–.27 1.60N 126.86E 35 4.7b,4.2
ISCJB VII 02 14 48 58.4–.44 1.58N–.07 126.9E–.20 103 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC VII 03 03 43 20.0–1.5 1.19N 125.67E 0 3.8,3.7
¶601663419

IDC Error ellipse: s-maj=174.5km s-min=19.1km az=64.0.
IDC VII 03 07 00 29.6–1.8 2.68N 127.71E 0 3.7,3.6
¶601663427

IDC Error ellipse: s-maj=149.0km s-min=21.5km az=68.0.
IDC VII 04 09 26 54.0–2.0 2.10N 127.81E 0 3.7,3.5
¶601663468

IDC Error ellipse: s-maj=138.4km s-min=25.0km az=67.0.
IDC VII 05 21 04 33.0–2.0 0.44N 125.25E 0 3.4,3.3
¶601663520

IDC Error ellipse: s-maj=193.2km s-min=28.1km az=64.0.
IDC VII 07 05 25 46.6–1.6 1.02N 126.66E 0 4.0,3.8b
¶601663574

IDC Error ellipse: s-maj=116.0km s-min=19.7km az=69.0.
IDC VII 08 17 34 49.1–1.6 1.81N 126.15E 0 3.5,3.3
¶601664300

IDC Error ellipse: s-maj=162.5km s-min=21.3km az=66.0.
IDC VII 08 17 45 10.5–1.9 0.36N 126.27E 0 3.6,3.4
¶601664301

IDC Error ellipse: s-maj=172.8km s-min=24.7km az=65.0.
IDC VII 09 02 15 34.8–1.9 2.77N 126.11E 0 3.6,3.5
¶601664319

IDC Error ellipse: s-maj=191.0km s-min=22.3km az=66.0.
IDC VII 09 14 58 09.1–1.9 2.19N 126.66E 0 3.6,3.5
¶601664337

IDC Error ellipse: s-maj=190.8km s-min=20.8km az=66.0.
ISC VII 10 19 03 33.4–.86 1.10N–.08 126.84E–.06 72 4.0b 15 1-64
IDC VII 10 19 03 24.3–1.0 1.11N 126.78E 0 3.7,3.6 **¶601664393**
ISCJB VII 10 19 03 31.8–.64 1.15N–.06 126.83E–.06 72 3.8b,3.6
DJA VII 10 19 03 33.5–.60 1N–4.0 127E–4.0 54–11 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC VII 12 02 13 33.5–1.9 1.74N 125.19E 0 3.8,3.6
¶601664460

IDC Error ellipse: s-maj=141.2km s-min=23.1km az=67.0.
IDC VII 12 08 03 33.6–1.8 2.72N 127.13E 0 3.7,3.6
¶601664471

IDC Error ellipse: s-maj=154.2km s-min=21.4km az=67.0.
ISC VII 12 08 25 19.3–1.1 1.1N–.10 126.9E–.20 72 3.4b 8 1-64
IDC VII 12 08 25 10.5–1.5 1.17N 127.01E 0 3.5,3.4 **¶601664472**
ISCJB VII 12 08 25 17.7–.93 1.09N–.10 126.8E–.20 72 3.4b,3.4
DJA VII 12 08 25 20.7–.60 1N–5.0 127E–6.0 38–15 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC VII 12 08 52 33.6–20 1.24N 126.71E 376–232 3.7,3.1
¶601664473

IDC Error ellipse: s-maj=152.2km s-min=26.0km az=52.0.
ISC VII 12 12 06 15.5–1.2 1.3N–.10 126.40E–.05 54 3.9b 16 1-64
IDC VII 12 12 06 08.9–1.1 1.25N 126.07E 0 3.9,3.8 **¶601664485**
ISCJB VII 12 12 06 13.9–.81 1.34N–.08 126.38E–.05 54 3.8b,3.8
DJA VII 12 12 06 15.4–.40 1N–4.0 126E–3.0 40–74 4.8b,4.8b
ISC Event type ke.
ISCJB Event type ke.
IDC VII 13 00 39 31.4–1.3 0.85N 125.32E 0 3.6,3.5
¶601664509

IDC Error ellipse: s-maj=144.3km s-min=21.3km az=68.0.
IDC VII 15 09 36 04.0–7.7 2.45N 126.17E 0 3.7,3.6
¶601664612

IDC Error ellipse: s-maj=128.6km s-min=102.2km az=123.0.
ISC VII 15 18 50 56.1–.69 0.41N–.06 126.87E–.05 35 3.8b 22 1-70
ISCJB VII 15 18 50 54.4–.52 0.42N–.06 126.85E–.05 33 3.8b **¶601664641**
DJA VII 15 18 50 55.4–.90 0N–4.0 127E–5.0 21–11 4.6b,4.4
IDC VII 15 18 50 56.1–3.4 0.54N 127.10E 35–28 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=7.6km az=17.5.
IDC Error ellipse: s-maj=47.0km s-min=13.4km az=75.0.
ISC VII 16 15 31 34.5–1.7 1.9N–.20 126.1E–.10 10 3.5b 6 4-59
ISCJB VII 16 15 31 33.0–1.5 1.8N–.20 126.0E–.20 10 3.3b **¶601664680**
IDC VII 16 15 31 33.0–2.1 1.92N 126.32E 0 3.6,3.4
DJA VII 16 15 32 13.6–1.2 2N–6.0 122E–6.0 10 2.6,2.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 18 38 23.7–.63 0.10N–.06 126.11E–.04 44 4.0b 29 1-76
IDC VII 16 18 38 16.3–.70 0.13S 125.69E 0 4.0,4.0b **¶601625072**
ISCJB VII 16 18 38 21.6–.43 0.01N–.07 126.15E–.05 44 4.0b,4.0b
NEIC VII 16 18 38 21.4–.43 0.13S 125.71E 35 4.2b,4.0b
DJA VII 16 18 38 23.8–.80 0N–4.0 126E–2.0 21–7 4.0b,3.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 16 18 41 18.2–.85 0.1N–.20 126.2E–.30 44 4.0b 13 21-76
IDC VII 16 18 41 12.1–.74 0.04N 126.07E 0 4.0,4.0 **¶601664689**
ISCJB VII 16 18 41 16.2–.63 0.0N–.10 126.1E–.20 44 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VII 16 22 40 33.1–1.6 0.19N 126.59E 0 3.4,3.3
¶601664695

IDC Error ellipse: s-maj=163.2km s-min=21.9km az=66.0.
IDC VII 17 09 09 26.7–1.4 2.90N 126.66E 0 3.8,3.6
¶601664715

IDC Error ellipse: s-maj=105.3km s-min=18.8km az=68.0.
ISC VII 17 14 08 22.2–1.2 1.5N–.10 126.55E–.07 47 3.9b 18 1-64
ISCJB VII 17 14 08 20.2–.90 1.59N–.08 126.54E–.07 47 3.9b **¶601664727**
IDC VII 17 14 08 23.7–3.1 1.54N 126.59E 68–27 3.8,3.7
DJA VII 17 14 08 23.0–.50 1N–5.0 127E–5.0 45–60 4.5b,4.2b
ISC Event type ke.
ISCJB Event type ke.
IDC VII 18 09 49 44.4–2.3 1.41N 126.91E 0 3.6,3.4
¶601664781

IDC Error ellipse: s-maj=175.4km s-min=28.1km az=66.0.
IDC VII 19 00 29 21.4–2.0 2.78N 126.95E 0 3.6,3.4
¶601664813

IDC Error ellipse: s-maj=171.9km s-min=24.2km az=67.0.
IDC VII 19 03 19 50.9–1.3 1.20N 126.59E 0 3.7,3.6
¶601664817

IDC Error ellipse: s-maj=141.0km s-min=20.0km az=68.0.
IDC VII 19 14 55 42.9–1.8 1.29N 126.63E 0 3.6,3.5
¶601664838

IDC Error ellipse: s-maj=181.3km s-min=21.6km az=66.0.
ISC VII 19 20 08 46.8–2.7 1.6N–1.0 127E–2.0 35 3.8s,3.8b 7 23-81
IDC VII 19 20 08 42.3–1.3 1.37N 126.08E 0 4.0,3.9 **¶601664846**
ISC Event type ke.
IDC Error ellipse: s-maj=152.5km s-min=16.3km az=65.0.
ISC VII 20 19 57 00.6–1.2 2.77N–.04 126.15E–.08 67–11 4.4b 71 2-123
IDC VII 20 19 56 52.0–.89 2.50N 125.53E 0 4.3,4.1b **¶601664882**
ISCJB VII 20 19 57 00.6–.67 2.81N–.03 126.17E–.06 90–7 4.5b,4.1b
NEIC VII 20 19 57 02.4–1.1 2.77N 126.17E 89–10 4.6b,4.1b
DJA VII 20 19 57 12.2–1.4 3N–6.0 125E–3.0 24–14 4.8b,4.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 21 00 20 17.9–2.2 2.54N 127.02E 0 3.6,3.4
¶601664895

IDC Error ellipse: s-maj=180.0km s-min=25.1km az=66.0.
IDC VII 23 15 06 22.6–1.6 1.89N 125.43E 0 3.6,3.4
¶601666313

IDC Error ellipse: s-maj=186.0km s-min=20.4km az=65.0.
ISC VII 23 23 25 23.6–.65 1.97N–.07 126.01E–.06 35 4.2b 30 2-123
ISCJB VII 23 23 25 23.0–.50 2.05N–.04 125.97E–.05 35 4.2b **¶601666343**
DJA VII 23 23 25 24.3–.40 2N–4.0 126E–2.0 10 4.9b,4.6b

IDC VII 23 23 25 28.6–4.3 1.49N 126.07E 102–38 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.5km az=145.4.
IDC Error ellipse: s-maj=34.0km s-min=11.3km az=67.0.
ISC VII 24 21 02 07.4–.79 3.0N–.10 126.9E–.30 44 4.0b 19 21-100
IDC VII 24 21 02 01.4–.71 2.99N 126.78E 0 4.0,3.9b **¶601666390**
ISCJB VII 24 21 02 05.7–.51 3.01N–.08 126.8E–.20 44 3.9b,3.9b
NEIC VII 24 21 02 06.5–.38 3.00N 126.83E 35 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=14.8km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=9.8km az=165.7.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=7.8km az=74.0.
ISC VII 27 23 00 48.8–.78 2.22N–.09 127.7E–.10 134 4.0b 18 1-92
ISCJB VII 27 23 00 46.3–.63 2.13N–.08 127.82E–.09 134 4.0b **¶601484407**
DJA VII 27 23 00 48.7–1.5 2N–14 128E–14 180–14 5.0b,4.7b
IDC VII 27 23 01 04.5–11 1.92N 127.93E 304–124 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=10.4km az=29.3.
IDC Error ellipse: s-maj=40.2km s-min=22.1km az=78.0.
IDC VII 28 04 51 14.0–1.9 0.37N 126.02E 0 3.8s,3.8
¶601666558

IDC Error ellipse: s-maj=180.6km s-min=25.2km az=65.0.
ISC VII 28 17 48 30.2–.73 2.51N–.09 127.2E–.10 53 4.3b 23 2-69
IDC VII 28 17 48 23.0–1.2 2.45N 127.14E 0 4.0,3.9 **¶601666585**
ISCJB VII 28 17 48 28.1–.46 2.49N–.07 127.2E–.10 53 4.1b,3.9
NEIC VII 28 17 48 33.6–.76 2.37N 127.16E 91–7 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=90.5km s-min=16.4km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=7.5km az=158.9.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.4km az=64.0.
IDC VII 29 05 59 22.8–2.1 2.06N 127.62E 0 3.6,3.4
¶601666609

IDC Error ellipse: s-maj=149.6km s-min=25.1km az=67.0.
IDC VII 29 07 50 07.5–1.6 1.19N 125.44E 0 3.7,3.6
¶601666615

IDC Error ellipse: s-maj=197.5km s-min=20.9km az=65.0.
IDC VII 30 02 41 08.0–11 2.51N 127.55E 241–109 3.6s,3.6
¶601650755

IDC Error ellipse: s-maj=174.0km s-min=21.3km az=65.0.
ISC VII 31 20 19 42.4–.51 0.27N–.06 126.19E–.05 44 4.2b 54 1-123
IDC VII 31 20 19 37.1–.66 0.26N 126.17E 0 4.0,4.0 **¶601498051**
NEIC VII 31 20 19 39.9–3.0 0.26N 126.40E 23–22 4.5b,4.0
ISCJB VII 31 20 19 40.6–.32 0.29N–.04 126.27E–.05 44 4.5b,4.0
DJA VII 31 20 19 43.4–.80 0N–4.0 126E–2.0 27–8 5.0b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 01 05 26 19.3–1.7 0.83N 126.56E 0 4.0,3.9
¶601765302

IDC Error ellipse: s-maj=178.0km s-min=20.5km az=66.0.
IDC VIII 01 15 07 54.6–2.0 2.72N 127.95E 0 3.4,3.3
¶601765317

IDC Error ellipse: s-maj=154.7km s-min=24.0km az=68.0.
ISC VIII 02 06 22 37.3–1.1 2.4N–.20 127.0E–.30 55 3.9b 8 5-69
IDC VIII 02 06 22 30.5–.97 2.33N 126.71E 0 4.1,4.0 **¶601765339**
ISCJB VIII 02 06 22 35.2–.82 2.4N–.10 127.0E–.20 55 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 03 16 06 40.5–1.5 2.74N 127.93E 0 3.9,3.7
¶601765410

IDC Error ellipse: s-maj=77.8km s-min=20.9km az=60.0.
IDC VIII 04 08 43 30.2–2.2 1.54N 126.62E 0 3.5,3.3b
¶601765440

IDC Error ellipse: s-maj=180.4km s-min=26.6km az=66.0.
ISC VIII 05 17 16 46.7–1.2 1.8N–.10 127.0E–.10 150 3.1b 8 1-59
IDC VIII 05 17 16 33.1–2.0 1.47N 126.56E 0 3.4,3.2 **¶601765504**
ISCJB VIII 05 17 16 44.4–1.2 1.9N–.10 127.0E–.20 150 3.0b,3.2
DJA VIII 05 17 16 47.7–1.8 2N–3.0 127E–5.0 16–16 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 05 22 11 01.5–2.1 0.43N 126.66E 0 3.8,3.6
¶601765522

IDC Error ellipse: s-maj=180.6km s-min=26.4km az=66.0.
IDC VIII 06 01 34 06.0–8.9 2.32N 127.07E 0 4.1,3.9
¶601765528

IDC Error ellipse: s-maj=141.2km s-min=108.4km az=142.0.
ISC VIII 07 04 22 17.6–1.1 1.1N–.10 126.50E–.07 39 3.8b,3.3s 10 1-80
IDC VIII 07 04 22 11.7–1.5 0.92N 126.22E 0 4.4L,4.0 **¶601765586**
ISCJB VIII 07 04 22 15.5–.96 1.1N–.10 126.4E–.10 39 3.7b,3.4s
DJA VIII 07 04 22 18.6–1.2 1N–6.0 127E–4.0 25–14 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 07 19 03 32.4–2.7 2.81N 127.18E 0 3.6,3.5
¶601765618

IDC Error ellipse: s-maj=191.7km s-min=23.2km az=64.0.
DJA VIII 09 09 39 52.7–.60 1N–6.0 126E–4.0 91–36 3.7,3.7
¶602028275
ISC VIII 10 00 01 24.8–1.2 1.0N–.10 126.4E–.20 39 4.0b 12 22-69
IDC VIII 10 00 01 19.3–1.2 1.05N 126.34E 0 4.0,4.0 **¶601582218**
ISCJB VIII 10 00 01 22.8–.75 1.1N–.10 126.4E–.20 39 4.0b,4.0
NEIC VIII 10 00 01 24.4–.59 1.02N 126.36E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=135.4km s-min=18.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=11.6km az=160.8.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=9.1km az=70.0.
ISC VIII 10 02 19 21.9–.46 1.40N–.03 126.98E–.04 72–4 4.9b 328 1-131
BJI VIII 10 02 19 15.1 0.93N 127.22E 66 5.1b,5.1b **¶601833254**
MOS VIII 10 02 19 17.7–.97 1.43N 126.86E 50 5.2b,5.1b
KLM VIII 10 02 19 20.0 1.51N 127.41E 79 5.0b,5.1b
ISCJB VIII 10 02 19 20.3–.38 1.43N–.02 126.96E–.02 73–3 4.8b,5.1b
DJA VIII 10 02 19 21.6–.20 1N–2.0 127E–2.0 53–2 5.4b,5.0b
NEIC VIII 10 02 19 21.5–.56 1.37N 126.94E 70–5 4.9b,5.0b
IDC VIII 10 02 19 22.1–.66 1.38N 126.93E 74–5 4.8,4.5
GCMT VIII 10 02 19 22.5–.20 1.44N–.01 126.95E–.02 68–3 5.0W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c88; s91,c140;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.37±.17 $M_{\theta\theta}$0.26±.14; $M_{\phi\phi}$-1.63±.17; $M_{r\theta}$2.15±.08; $M_{\theta\phi}$-1.71±.14; $M_{\theta r}$3.68±.11; Best double couple: NP1:ϕ_s30.00000°,δ77.00000°,λ90.00000°. NP2:ϕ_D211.00000°,δ13.00000°,λ91.00000°. Principal axes: T 4.0750,Plg58.0000° ,Azm300.0000°; N 1.2660,Plg0.0000°,Azm30.0000°; P -5.3450,Plg32.0000°,Azm120.0000° $M_0$4.71000×10^{16}
IDC VIII 10 10 32 56.9–2.0 1.41N 126.78E 0 4.1,4.1
¶601765724

IDC Error ellipse: s-maj=227.2km s-min=23.8km az=69.0.
ISC VIII 10 21 04 30.5–.38 1.91N–.04 126.36E–.06 47 4.5b 79 2-123
IDC VIII 10 21 04 22.7–.63 1.95N 125.92E 0 4.3,4.3 **¶601542026**
ISCJB VIII 10 21 04 28.1–.29 1.95N–.03 126.32E–.05 47 4.5b,4.5s
DJA VIII 10 21 04 29.1–.50 2N–4.0 126E–3.0 43–41 5.0b,4.7b
NEIC VIII 10 21 04 29.8–.96 1.89N 126.36E 52–9 4.5b,4.7b
BJI VIII 10 21 04 30.4 1.84N 126.44E 64 5.3b,4.7s
MAN VIII 10 21 05 19.6 6.40N 125.46E 11 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=12.8km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=165.3.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.3km az=77.0.
ISC VIII 12 09 32 45.2–.91 2.7N–.10 127.0E–.20 50 4.0b 10 4-75
ISCJB VIII 12 09 32 43.1–.73 2.70N–.09 127.0E–.10 50 3.9b,3.7s **¶601765771**
IDC VIII 12 09 32 49.1–4.4 2.69N 127.26E 89–44 4.0,3.7

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=6.9km az=148.5.
IDC Error ellipse: s-maj=38.9km s-min=20.2km az=82.0.
ISC VIII 14 01 52 27.1–.97 1.3N–.20 126.8E–.30 35 3.9b 7 1-69
DJA VIII 14 01 52 21.4–3.1 1N–14 126E–24 10 4.3,4.3 **¶601765818**
IDC VIII 14 01 52 21.7–1.8 1.19N 126.54E 0 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=209.0km s-min=23.6km az=69.0.
ISC VIII 14 22 17 23.4–.91 2.3N–.10 126.7E–.20 55 3.9b 12 2-123
ISCJB VIII 14 22 17 21.6–.70 2.26N–.10 126.7E–.20 55 3.8b,2.4s **¶601765853**
DJA VIII 14 22 17 21.7–3.3 2N–4.0 127E–22 19–79 4.1,4.1
IDC VIII 14 22 17 29.0–7.3 2.21N 126.69E 112–72 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=8.9km az=152.4.
IDC Error ellipse: s-maj=36.4km s-min=15.9km az=75.0.
IDC VIII 16 00 16 02.6–1.7 1.03N 126.52E 0 3.9,3.7
¶601765909
IDC Error ellipse: s-maj=169.7km s-min=21.1km az=66.0.
ISC VIII 16 12 37 25.6–1.4 1.3N–.20 126.6E–.20 10 3.8b 7 1-64
IDC VIII 16 12 37 23.1–1.9 1.47N 127.06E 0 3.8,3.7 **¶601765941**
DJA VIII 16 12 37 33.2–1.5 1N–5.0 127E–11 23–8 3.4,3.4
ISC Event type ke.
ISC VIII 17 01 52 25.8–.90 1.41N–.09 125.9E–.20 100 3.5b 14 2-81
IDC VIII 17 01 52 24.0–4.6 1.56N 126.20E 90–38 3.8,3.6 **¶601765963**
ISCJB VIII 17 01 52 24.4–.71 1.36N–.09 125.7E–.10 100 3.6b,3.6
DJA VIII 17 01 52 27.8–1.5 1N–4.0 126E–4.0 26–16 5.0b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 17 09 49 45.3–1.2 2.51N 127.12E 0 4.1,4.0
¶601765981
IDC Error ellipse: s-maj=98.7km s-min=15.8km az=72.0.
IDC VIII 18 20 28 31.3–1.8 1.00N 125.03E 0 3.8,3.7
¶601766103
IDC Error ellipse: s-maj=268.6km s-min=20.6km az=65.0.
IDC VIII 18 22 55 42.5–2.3 1.59N 126.26E 0 3.5,3.3b
¶601766120
IDC Error ellipse: s-maj=261.4km s-min=22.4km az=66.0.
ISC VIII 19 00 48 36.1–.99 0.2N–.10 125.34E–.06 35 3.6b 10 1-64
IDC VIII 19 00 48 28.8–1.5 0.63N 125.98E 0 3.8,3.6 **¶601766125**
DJA VIII 19 00 48 35.6–.50 1N–5.0 125E–4.0 10 3.9,3.9
ISC Event type ke.
IDC VIII 19 07 50 16.0–2.1 2.25N 127.70E 0 3.5,3.3
¶601766136
IDC Error ellipse: s-maj=154.2km s-min=25.5km az=67.0.
IDC VIII 19 13 47 13.8–1.1 2.86N 127.80E 0 4.0L,3.7
¶601766153
IDC Error ellipse: s-maj=89.4km s-min=18.0km az=64.0.
ISC VIII 20 01 01 17.7–.53 0.83N–.06 126.33E–.06 39 4.3b 52 1-129
IDC VIII 20 01 01 11.2–.61 0.73N 126.11E 0 4.3,4.2 **¶601566538**
ISCJB VIII 20 01 01 15.5–.35 0.84N–.04 126.41E–.06 39 4.3b,4.0s
DJA VIII 20 01 01 16.4–.30 1N–4.0 126E–3.0 10 4.7b,4.3
NEIC VIII 20 01 01 19.1–.82 0.79N 126.36E 57–8 4.4b,4.3
BJI VIII 20 01 01 21.0 1.05N 126.38E 63 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=13.3km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.2km az=176.9.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.2km az=72.0.
IDC VIII 20 22 03 40.4–2.2 2.22N 127.33E 0 3.6,3.4
¶601766222
IDC Error ellipse: s-maj=155.7km s-min=26.7km az=67.0.
ISC VIII 21 05 02 20.6–1.0 1.61N–.08 126.59E–.08 47 4.1b 12 1-81
IDC VIII 21 05 02 14.3–1.4 1.60N 126.40E 0 4.1,4.0 **¶601766238**
ISCJB VIII 21 05 02 19.1–.76 1.63N–.08 126.56E–.09 47 4.0b,4.0
DJA VIII 21 05 02 19.4–.90 2N–6.0 127E–6.0 91–23 5.4b,5.1b
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 21 18 03 50.7–1.7 2.35N 127.89E 0 3.5,3.4
¶601766265
IDC Error ellipse: s-maj=137.0km s-min=21.4km az=68.0.
IDC VIII 22 11 35 05.6–1.7 0.76N 126.10E 0 3.5,3.4
¶601766299
IDC Error ellipse: s-maj=165.6km s-min=23.4km az=65.0.
IDC VIII 22 15 02 21.0–1.0 2.14N 127.40E 0 3.8,3.7
¶601766308
IDC Error ellipse: s-maj=54.4km s-min=17.7km az=77.0.
IDC VIII 23 18 22 38.2–2.0 1.56N 126.68E 0 3.7,3.6b
¶601766365
IDC Error ellipse: s-maj=181.8km s-min=23.3km az=66.0.
IDC VIII 23 20 51 30.1–2.1 1.18N 126.85E 0 3.6,3.4
¶601766368
IDC Error ellipse: s-maj=177.7km s-min=24.7km az=66.0.
ISC VIII 24 16 55 33.5–.68 1.59N–.08 127.00E–.08 103 3.9b 28 1-81
IDC VIII 24 16 55 20.8–.66 1.57N 126.96E 0 4.2,4.1 **¶601625200**
ISCJB VIII 24 16 55 31.4–.53 1.59N–.06 127.16E–.07 103 4.0b,4.1
DJA VIII 24 16 55 34.7–1.0 2N–7.0 127E–6.0 116–14 4.9b,4.3b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 25 20 00 47.1–.68 1.25N–.05 126.91E–.07 72 3.9b 21 1-81
ISCJB VIII 25 20 00 45.7–.46 1.27N–.04 126.89E–.05 72 3.8b **¶601766462**
DJA VIII 25 20 00 47.3–.40 1N–3.0 127E–3.0 48–11 4.0,4.0
IDC VIII 25 20 00 50.4–4.2 1.15N 126.98E 104–42 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.3km az=148.1.
IDC Error ellipse: s-maj=39.7km s-min=13.4km az=81.0.
IDC VIII 26 07 19 55.2–2.0 1.23N 126.35E 0 3.4,3.2
¶601766491
IDC Error ellipse: s-maj=169.6km s-min=25.3km az=65.0.
ISC VIII 26 15 05 37.2–.24 2.20N–.02 126.87E–.02 91–1 6.2b 2609 2-173
MOS VIII 26 15 05 33.2–1.0 2.20N 126.85E 66 6.5b,5.9s **¶601626654**
IDC VIII 26 15 05 35.1–.74 2.19N 126.83E 70–6 6.0,5.7
NEIC VIII 26 15 05 35.0–.00 2.13N 126.87E 100 6.0,5.7
ISCJB VIII 26 15 05 35.9–.21 2.21N–.01 126.86E–.01 90–1 6.0b,5.7
BJI VIII 26 15 05 36.4 2.24N 126.83E 94 6.4b,6.0b
NEIC VIII 26 15 05 37.1–.39 2.19N 126.84E 91–3 6.8,6.6W
DJA VIII 26 15 05 38.1–.20 2N–1.0 127E–1.0 94–2 6.8,6.8b
GCMT VIII 26 15 05 40.1–.10 2.16N 126.81E 91–0 6.6W,6.8b
NEIC VIII 26 15 05 54.4–.00 2.29N 126.98E 74 6.6W,6.8b
ISC Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=115.1.
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=62.0.
NEIC Event type se. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}4.20 $M_{\theta\theta}$3.88 $M_{\phi\phi}$-8.08 $M_{r\theta}$-4.97 $M_{\theta\phi}$2.83 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s312.00000° ,δ62.00000°,λ36.00000°. NP2:ϕ_s203.00000°,δ59.00000°,λ147.00000°. Principal axes: T 9.3700,Plg44.0000°,Azm168.0000°; N -0.6400,Plg45.0000°,Azm344.0000° ; P -8.7300,Plg2.0000°,Azm76.0000° $M_0$9.10000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=161.4.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=56.0. Felt [V] in parts of northern Halmahera; [IV] in the Kepulauan Talaud, on Pulau Ternate and at Galela, Jailolo, Morotai and Tobelo; [III] at Manado, Indonesia. Also felt at Bitung. Felt [IV PIVS] at Davao, [III PIVS] at General Santos and [II PIVS] at Koronadal, Polomolok and Tupi, Mindanao, Philippines. Also felt at Magugpo, Maitum, Paraiso and Zamboanga City. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. $M_0$6.20000×10^{18} Moment Tensor Solution. s32 Moment tensor: Scale 10^{18} Nm; M_{rr}4.47 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-5.82 $M_{r\theta}$-2.68 $M_{\theta\phi}$2.12 $M_{\phi r}$-0.23 Best double couple: NP1: ϕ_s193.00000°,δ51.00000°,λ133.00000°. NP2:ϕ_s317.00000°,δ56.00000°,λ50.00000°. Principal axes: T 6.1400,Plg58.0000°,Azm168.0000°; N 0.2800,Plg32.0000°,Azm342.0000° ; P -6.4300,Plg3.0000°,Azm74.0000° $M_0$6.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s314.00000°,δ63.00000°,λ28.00000°. NP2: ϕ_s210.00000°,δ65.00000°,λ150.00000°. Principal axes: T Plg38.0000°,Azm171.0000° ; N Plg0.0000°,Azm0.0000°; P Plg1.0000°,Azm262.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c383; s147,c656; Duration: 4s7 Moment tensor: Scale 10^{19}Nm; M_{rr}0.33±.00 $M_{\theta\theta}$0.49±.00; $M_{\phi\phi}$-0.82±.00; $M_{r\theta}$-0.51±.00; $M_{\theta\phi}$0.19±.00; $M_{\phi r}$-0.07±.00; Best double couple: NP1:ϕ_s315.00000°,δ63.00000° ,λ31.00000°. NP2:ϕ_s210.00000°,δ63.00000°,λ150.00000°. Principal axes: T 0.9530,Plg40.0000°,Azm172.0000°; N -0.1000,Plg50.0000°,Azm352.0000° ; P -0.8530,Plg0.0000°,Azm82.0000° $M_0$0.90300×10^{19}
NEIC Event type se. Moment Tensor Solution. s110 Moment tensor: Scale 10^{18}Nm; M_{rr}4.54 $M_{\theta\theta}$4.27 $M_{\phi\phi}$-8.81 $M_{r\theta}$-4.91 $M_{\theta\phi}$1.93 $M_{\phi r}$-1.23 Best double couple: NP1:ϕ_s207.00000° ,δ62.00000°,λ143.00000°. NP2:ϕ_s317.00000°,δ58.00000°,λ34.00000°. Principal axes: T 9.5900,Plg45.0000°,Azm170.0000°; N -0.4700,Plg45.0000°,Azm355.0000° ; P -9.1100,Plg2.0000°,Azm263.0000° $M_0$9.30000×10^{18}
ISC VIII 26 16 37 24.3–.83 2.30N–.06 126.91E–.07 63 3.8b 21 2-63
ISCJB VIII 26 16 37 23.0–.68 2.46N–.05 126.92E–.05 63 3.8b **¶601766508**
IDC VIII 26 16 37 24.5–4.8 2.03N 126.67E 75–53 3.8,3.7
DJA VIII 26 16 37 26.8–.40 2N–3.0 127E–2.0 81–6 5.2b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 26 16 55 47.2–1.9 2.25N 127.01E 0 3.5,3.4
¶601766509
IDC Error ellipse: s-maj=115.7km s-min=23.4km az=70.0.
ISC VIII 26 18 14 41.5–.98 2.35N–.06 126.98E–.07 63 3.8b 20 2-82
ISCJB VIII 26 18 14 42.1–.91 2.35N–.06 126.91E–.05 63 3.7b **¶601766510**
DJA VIII 26 18 14 43.4–1.0 2N–3.0 127E–3.0 25–10 4.8b,4.4b
IDC VIII 26 18 14 43.2–4.7 2.16N 126.72E 91–50 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.6km az=35.5.
IDC Error ellipse: s-maj=71.2km s-min=16.5km az=72.0.
IDC VIII 27 00 11 57.4–1.9 2.15N 127.57E 0 3.7,3.6
¶601766519
IDC Error ellipse: s-maj=170.6km s-min=21.5km az=67.0.
ISC VIII 27 03 47 16.5–.53 2.22N–.03 126.87E–.05 69–5 4.8b 282 2-166
IDC VIII 27 03 47 12.3–.69 2.15N 126.83E 30–5 4.6,4.5 **¶601626907**
MOS VIII 27 03 47 15.3–.91 2.18N 126.77E 73 5.1b,4.5
ISCJB VIII 27 03 47 17.7–.28 2.22N–.02 126.88E–.03 97–2 4.7b,4.5
NEIC VIII 27 03 47 19.0–.42 2.15N 126.84E 94–4 5.0b,4.5
DJA VIII 27 03 47 19.4–1.4 2N–2.0 127E–2.0 26–14 5.5b,5.5b
BJI VIII 27 03 47 21.0 2.65N 126.56E 85 5.3b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=9.2km az=82.0.
MOS Error ellipse: s-maj=11.5km s-min=6.1km az=115.6.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=162.8.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=66.0.
IDC VIII 27 08 05 17.7–1.3 1.16N 126.51E 0 4.1,4.0
¶601766555
IDC Error ellipse: s-maj=132.5km s-min=19.6km az=68.0.
IDC VIII 27 23 23 32.4–1.3 1.52N 126.90E 0 3.8,3.7
¶601766592
IDC Error ellipse: s-maj=136.8km s-min=19.5km az=69.0.
DJA VIII 28 06 34 13.0–.90 1N–8.0 126E–3.0 64–27 4.2b,3.7
¶602028763
ISC VIII 28 11 36 39.0–.68 2.18N–.06 126.86E–.07 100 4.2b 47 1-73
ISCJB VIII 28 11 36 37.9–.30 2.17N–.03 126.86E–.04 100 4.2b **¶601628510**
DJA VIII 28 11 36 37.0–.80 2N–3.0 127E–2.0 12–6 5.0b,4.5b
IDC VIII 28 11 36 37.2–9.5 2.11N 126.86E 75–97 4.2,4.1
NEIC VIII 28 11 36 40.8–.98 2.13N 127.19E 116–10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=159.5.
IDC Error ellipse: s-maj=33.3km s-min=16.2km az=81.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.2km az=71.0.
ISC VIII 29 19 08 26.5–1.1 1.33N–.07 126.91E–.08 50 3.1b 11 1-60
IDC VIII 29 19 08 20.7–1.8 1.11N 126.48E 0 3.6,3.4 **¶601755575**
ISCJB VIII 29 19 08 25.6–.81 1.33N–.06 126.90E–.07 50 3.5b,3.4
DJA VIII 29 19 08 26.8–.80 1N–3.0 127E–3.0 32–12 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 30 03 22 10.1–2.7 2N–5.0 127E–5.0 28–26 3.6,3.6
¶602028812
ISC VIII 31 12 29 16.1–1.0 2.37N–.08 127.1E–.10 53 3.9b 17 2-69
IDC VIII 31 12 29 07.8–1.3 2.28N 127.03E 0 4.0,3.9 **¶601755659**
DJA VIII 31 12 29 20.2–1.3 2N–3.0 127E–3.0 29–13 4.9b,4.6b
ISC Event type ke.
DJA VIII 31 23 36 07.2–.60 1N–2.0 127E–3.0 25–7 5.1b,4.5b
¶602028871
ISC IX 03 04 17 12.4–1.0 0.78N–.07 126.51E–.07 39 3.5b 12 1-64
IDC IX 03 04 17 06.3–1.8 0.97N 126.67E 0 3.7,3.6 **¶601862833**
ISCJB IX 03 04 17 10.7–.69 0.78N–.07 126.43E–.06 39 3.5b,3.6
DJA IX 03 04 17 11.4–.90 1N–3.0 127E–2.0 25–9 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IX 03 13 58 41.1–1.9 0.55N 126.57E 0 3.6,3.5
¶601862869
IDC Error ellipse: s-maj=169.4km s-min=24.6km az=65.0.
IDC IX 05 04 59 01.7–2.1 1.11N 126.49E 0 3.8,3.6
¶601862968
IDC Error ellipse: s-maj=176.9km s-min=26.5km az=65.0.
ISC IX 06 12 20 54.9–1.2 1.81N–.09 126.9E–.10 10 7 1-26
IDC IX 06 12 20 26.4–2.2 4.29N 125.85E 0 3.7,3.5 **¶602029287**
DJA IX 06 12 20 58.1–.50 2N–4.0 127E–3.0 10 3.2,3.2
ISC Event type ke.
ISC IX 06 15 02 07.6–1.2 2.70N–.07 126.46E–.09 55 3.7b 12 1-58
IDC IX 06 15 02 00.1–1.8 2.60N 126.19E 0 3.9,3.7 **¶601863050**
ISCJB IX 06 15 02 05.2–1.0 2.66N–.07 126.59E–.08 55 3.6b,3.7
DJA IX 06 15 02 07.9–1.5 3N–4.0 126E–4.0 26–16 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 07 02 04 21.2–1.1 2.42N–.07 127.08E–.08 53 3.8b,3.6s 18 2-82
IDC IX 07 02 04 12.5–1.7 2.38N 127.08E 0 4.1,3.8 **¶601863088**
DJA IX 07 02 04 24.9–1.1 2N–3.0 127E–3.0 27–11 4.9b,4.7b
ISC Event type ke.
ISC IX 08 12 47 33.2–.68 1.34N–.06 127.0E–.10 103 4.0b 19 1-82
ISCJB IX 08 12 47 31.8–.56 1.29N–.06 126.8E–.10 103 4.1b **¶601863168**
DJA IX 08 12 47 31.3–.70 1N–3.0 127E–5.0 31–11 4.3,4.3
IDC IX 08 12 47 31.1–7.4 1.30N 127.07E 70–72 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=6.5km az=162.2.
IDC Error ellipse: s-maj=45.0km s-min=15.0km az=84.0.
ISC IX 08 16 27 42.1–.60 2.45N–.03 126.79E–.04 60–5 5.0b,4.2s 628 2-160
BJI IX 08 16 27 32.3 1.81N 126.87E 35 5.0b,5.0b **¶601696501**
IDC IX 08 16 27 33.7–.33 2.41N 126.65E 0 4.9,4.9
NEIC IX 08 16 27 39.0–.16 2.39N 126.69E 35 5.1b,4.9
MOS IX 08 16 27 39.9–1.1 2.46N 126.74E 57 5.3b,4.9
ISCJB IX 08 16 27 40.5–.35 2.45N–.02 126.73E–.02 62–3 5.0b,4.9
DJA IX 08 16 27 41.4–.30 3N–3.0 127E–2.0 57–3 5.2b,5.1
GCMT IX 08 16 27 41.0–.20 2.60N–.02 126.79E–.02 34–0 5.1W,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c121; s84,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.03±.19 $M_{\theta\theta}$-0.86±.12; $M_{\phi\phi}$-5.17±.14; $M_{r\theta}$-0.55±.17; $M_{\theta\phi}$-2.59±.11; $M_{\phi r}$-1.29±.18; Best double couple: NP1:ϕ_s205.00000°,δ51.00000°,λ89.00000°. NP2:ϕ_s26.00000°,δ39.00000°,λ91.00000°. Principal axes: T 6.1870,Plg84.0000° ,Azm111.0000°; N 0.3530,Plg0.0000°,Azm205.0000°; P -6.5410,Plg6.0000°,Azm295.0000° $M_0$6.36400×10^{16}
ISC IX 08 18 04 07.4–.75 2.48N–.06 126.90E–.10 53 3.8b 16 2-59
IDC IX 08 18 04 00.7–.80 2.36N 126.62E 0 3.9,3.8 **¶601863186**
DJA IX 08 18 04 02.1–4.9 3N–20 127E–29 129–58 4.4b,4.2b
ISCJB IX 08 18 04 05.9–.61 2.47N–.06 126.90E–.09 53 3.8b,2.6s
ISC Event type ke.
ISCJB Event type ke.

IDC	IX	**09 05 58 59.9–1.8**	**2.28N**	**126.77E**	**0**	**3.9,3.7**			
									¶601863212
IDC		Error ellipse: s-maj=107.4km s-min=24.2km az=68.0.							
IDC	IX	**10 03 08 13.1–2.0**	**1.47N**	**126.28E**	**0**	**4.2,4.0**			
									¶601863276
IDC		Error ellipse: s-maj=171.1km s-min=24.3km az=65.0.							
IDC	IX	**12 04 37 20.8–1.5**	**2.56N**	**126.98E**	**0**	**4.5s,4.5**			
									¶601863398
IDC		Error ellipse: s-maj=99.4km s-min=22.9km az=68.0.							
IDC	IX	**12 10 44 11.0–1.7**	**2.16N**	**126.56E**	**0**	**3.9,3.8**			
									¶601863410
IDC		Error ellipse: s-maj=107.3km s-min=22.5km az=68.0.							
ISC	IX	**12 17 12 38.6–1.1**	**1.00N–.07**	**126.91E–.07**	**72**	**3.3b**	**11**	**1-60**	
IDC	IX	12 17 12 31.2–2.1	1.04N	126.81E	0	3.6,3.4			¶601863422
ISCJB	IX	12 17 12 37.3–.71	1.00N–.06	126.88E–.06	72	3.2b,3.4			
DJA	IX	12 17 12 37.6–.60	1N–2.0	127E–3.0	24–5	3.4,3.4			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	IX	**13 06 42 36.6–1.7**	**2.87N**	**127.09E**	**0**	**3.9,3.8**			
									¶601863456
IDC		Error ellipse: s-maj=169.3km s-min=19.3km az=66.0.							
IDC	IX	**13 17 54 59.4–1.2**	**2.82N**	**126.78E**	**0**	**3.6,3.5**			
									¶601863473
IDC		Error ellipse: s-maj=66.7km s-min=18.5km az=61.0.							
IDC	IX	**14 05 41 37.7–1.9**	**1.98N**	**126.31E**	**0**	**3.8,3.6**			
									¶601863508
IDC		Error ellipse: s-maj=113.7km s-min=25.1km az=69.0.							
IDC	IX	**14 17 00 29.0–2.1**	**1.33N**	**126.75E**	**0**	**3.5,3.4**			
									¶601863537
IDC		Error ellipse: s-maj=179.9km s-min=24.6km az=66.0.							
IDC	IX	**15 19 02 14.2–2.2**	**1.44N**	**126.36E**	**0**	**3.6,3.4**			
									¶601863597
IDC		Error ellipse: s-maj=180.2km s-min=27.3km az=65.0.							
IDC	IX	**17 00 01 20.8–2.2**	**1.96N**	**126.97E**	**0**	**3.6,3.4**			
									¶601863684
IDC		Error ellipse: s-maj=180.1km s-min=25.1km az=66.0.							
IDC	IX	**17 02 03 44.5–1.2**	**0.73N**	**125.69E**	**0**	**3.7,3.6**			
									¶601863689
IDC		Error ellipse: s-maj=134.2km s-min=19.8km az=68.0.							
ISC	IX	**17 16 44 55.7–1.5**	**2.3N–.20**	**126.7E–.40**	**47**	**3.4b**	**8**	**2-59**	
IDC	IX	17 16 44 50.3–1.6	2.09N	126.35E	0	3.6,3.4			¶601863717
DJA	IX	17 16 44 52.9–.50	2N–7.0	127E–4.0	10	3.5,3.5			
ISC		Event type ke.							
IDC	IX	**17 20 44 21.6–2.1**	**1.80N**	**126.99E**	**0**	**3.3,3.2**			
									¶601863725
IDC		Error ellipse: s-maj=179.3km s-min=24.7km az=66.0.							
ISC	IX	**18 01 46 47.4–.63**	**1.29N–.03**	**126.01E–.03**	**61–5**	**4.9b**	**449**	**1-160**	
BJI	IX	18 01 46 37.4	0.73N	125.91E	29	5.1b,5.0b			¶601721802
NEIC	IX	18 01 46 44.4–.70	1.34N	125.85E	38–6	5.2b,5.0b			
ISCJB	IX	18 01 46 47.0–.31	1.35N–.02	126.01E–.02	78–3	4.9b,5.0b			
IDC	IX	18 01 46 47.3–1.2	1.23N	125.82E	64–10	4.8,4.5			
DJA	IX	18 01 46 48.3–.20	1N–2.0	126E–2.0	61–3	5.4b,5.3			
GCMT	IX	18 01 46 49.4–.20	1.54N–.01	125.92E–.01	78–2	5.1W,5.3			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c76; s95,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.93±.18 $M_{\theta\theta}$2.49±.15; $M_{\phi\phi}$-4.42±.16; $M_{r\theta}$1.39±.10; $M_{\theta\phi}$-2.79±.14; $M_{\phi r}$-3.28±.11; Best double couple: NP1:ϕ_s162.00000°,δ77.00000°,λ44.00000°. NP2:ϕ_s60.00000°,δ48.00000°,λ163.00000°. Principal axes: T 5.4670,Plg39.0000° ,Azm31.0000°; N 0.8430,Plg45.0000°,Azm175.0000°; P -6.3100,Plg19.0000°,Azm285.0000° M_o5.88800×10^{16}								
ISC	IX	**18 03 32 43.2–1.1**	**1.9N–.20**	**126.7E–.50**	**10**	**3.8b**	**6**	**4-59**	
IDC	IX	18 03 32 43.0–2.1	1.69N	126.69E	0	4.0,3.8			¶601863745
ISC		Event type ke.							
IDC		Error ellipse: s-maj=166.1km s-min=26.9km az=65.0.							
IDC	IX	**18 22 46 27.8–2.1**	**1.76N**	**126.76E**	**0**	**3.5,3.3**			
									¶601863784
IDC		Error ellipse: s-maj=185.6km s-min=24.8km az=66.0.							
IDC	IX	**19 01 01 39.4–2.0**	**0.81N**	**126.89E**	**0**	**3.5,3.3**			
									¶601863795
IDC		Error ellipse: s-maj=170.9km s-min=25.4km az=66.0.							
ISC	IX	**19 16 02 03.3–1.1**	**1.86N–.06**	**126.22E–.08**	**83**	**3.7b**	**10**	**2-59**	
IDC	IX	19 16 01 54.4–2.0	1.76N	126.05E	0	3.9,3.7			¶601863836
DJA	IX	19 16 02 00.2–.90	2N–3.0	126E–2.0	11–6	4.5b,4.3b			
ISCJB	IX	19 16 02 02.0–.82	1.83N–.06	126.22E–.09	83	3.5b,4.3b			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	IX	**20 15 52 36.0–.30**	**2.25N–.03**	**126.88E–.04**	**100**	**4.7b**	**307**	**2-145**	
KLM	IX	20 15 52 31.0	2.04N	127.33E	63	4.7b			¶601734533
IDC	IX	20 15 52 34.2–1.4	2.19N	126.88E	80–13	4.4,4.2			
MOS	IX	20 15 52 34.6–.99	2.23N	126.91E	101	4.7b,4.2			
ISCJB	IX	20 15 52 34.2–.14	2.24N–.01	126.90E–.02	100	4.7b,4.2			
NEIC	IX	20 15 52 35.3–.60	2.19N	126.87E	95–6	5.0b,4.2			
BJI	IX	20 15 52 35.8	2.52N	126.58E	79	4.8b,4.5b			
DJA	IX	20 15 52 36.2–.20	2N–2.0	127E–2.0	80–3	5.3,5.3b			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
IDC	IX	**22 13 03 53.1–1.5**	**2.64N**	**127.72E**	**0**	**3.9,3.8L**			
									¶601863993
IDC		Error ellipse: s-maj=82.5km s-min=22.0km az=62.0.							
IDC	IX	**23 06 58 39.8–4.8**	**2.43N**	**127.14E**	**0**	**3.9,3.8**			
									¶601864032
IDC		Error ellipse: s-maj=103.4km s-min=79.7km az=81.0.							
ISC	IX	**23 12 01 48.7–.98**	**0.54N–.04**	**125.28E–.03**	**63–11**	**4.0b**	**48**	**1-68**	
IDC	IX	23 12 01 40.5–.80	0.63N	125.03E	0	4.0,3.9			¶601767267
ISCJB	IX	23 12 01 47.7–.46	0.57N–.04	125.24E–.03	73–5	4.1b,3.9			
DJA	IX	23 12 01 47.4–.70	1N–2.0	125E–2.0	18–9	4.9b,4.5b			
NEIC	IX	23 12 01 48.4–1.0	0.65N	125.29E	64–10	4.2b,4.5b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=38.8km s-min=14.2km az=75.0.							
ISCJB		Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=171.4.							
NEIC		Event type se. Error ellipse: s-maj=11.2km s-min=6.6km az=78.0.							
IDC	IX	**24 06 44 25.0–2.1**	**1.06N**	**126.47E**	**0**	**3.7,3.5**			
									¶601864081
IDC		Error ellipse: s-maj=169.7km s-min=26.0km az=65.0.							
IDC	IX	**26 22 09 22.6–2.1**	**0.08N**	**126.80E**	**0**	**3.7,3.4**			
									¶601864235
IDC		Error ellipse: s-maj=185.4km s-min=25.3km az=66.0.							
ISC	IX	**29 17 27 53.3–.55**	**1.24N–.05**	**126.47E–.05**	**39**	**4.7b**	**49**	**1-81**	
IDC	IX	29 17 27 46.8–1.4	1.37N	126.66E	0	4.0,3.9b			¶601852866
ISCJB	IX	29 17 27 51.2–.35	1.26N–.04	126.44E–.04	39	4.8b,3.9b			
DJA	IX	29 17 27 51.0–.80	1N–2.0	126E–2.0	10–6	4.8b,4.7b			
NEIC	IX	29 17 27 54.3–.72	1.21N	126.44E	55–7	4.7b,4.7b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=106.0km s-min=21.8km az=68.0.							
ISCJB		Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=40.5.							
NEIC		Event type se. Error ellipse: s-maj=9.0km s-min=5.1km az=57.0.							
IDC	IX	**30 18 19 39.3–2.1**	**1.74N**	**126.97E**	**0**	**3.4,3.2**			
									¶601857541
IDC		Error ellipse: s-maj=177.3km s-min=24.3km az=66.0.							
ISC	IX	**30 22 47 24.9–.45**	**2.93N–.06**	**127.47E–.07**	**49**	**4.2b**	**67**	**2-127**	
DJA	IX	30 22 47 21.9–.70	3N–7.0	127E–5.0	10	4.9b,4.4b			¶601775505
ISCJB	IX	30 22 47 22.9–.27	2.92N–.03	127.48E–.04	49	4.3b,4.4b			
BJI	IX	30 22 47 24.1	3.00N	127.60E	53	5.1b,4.6b			
IDC	IX	30 22 47 24.8–3.0	2.73N	127.22E	46–31	4.0L,3.9			
NEIC	IX	30 22 47 25.9–.92	2.80N	127.41E	64–9	4.4b,3.9			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=150.9.							
IDC		Error ellipse: s-maj=31.9km s-min=13.8km az=63.0.							
NEIC		Event type se. Error ellipse: s-maj=10.5km s-min=5.7km az=61.0.							
DJA	X	**01 16 13 23.3–1.1**	**2N–3.0**	**127E–3.0**	**29–11**	**4.3b,3.8**			
									¶601996410
IDC	X	**02 05 39 13.2–1.1**	**2.69N**	**126.83E**	**0**	**4.2,4.1**			
									¶601996764
IDC		Error ellipse: s-maj=65.0km s-min=17.5km az=65.0.							
ISC	X	**04 15 30 53.6–1.5**	**1.4N–.10**	**126.85E–.09**	**35**	**3.1b**	**8**	**1-60**	
IDC	X	04 15 30 48.4–2.1	1.18N	126.46E	0	3.4,3.2			¶601997047
ISCJB	X	04 15 30 51.6–1.3	1.5N–.10	126.88E–.08	35	3.2b,3.2			
DJA	X	04 15 30 55.4–.60	1N–6.0	127E–4.0	28–12	3.2,3.2			
ISC		Event type ke.							
ISCJB		Event type ke.							
DJA	X	**04 21 49 39.0–.70**	**1N–5.0**	**127E–5.0**	**29–11**	**3.5,3.5**			
									¶601997066
IDC	X	**06 00 26 43.9–2.1**	**1.82N**	**126.10E**	**0**	**3.6,3.3**			
									¶601997218
IDC		Error ellipse: s-maj=179.5km s-min=25.8km az=65.0.							
IDC	X	**06 02 15 14.9–2.1**	**2.52N**	**127.98E**	**0**	**3.9,3.7**			
									¶601997228
IDC		Error ellipse: s-maj=145.1km s-min=25.1km az=67.0.							
IDC	X	**06 05 46 41.8–1.9**	**2.78N**	**127.20E**	**0**	**3.7,3.5**			
									¶601997244
IDC		Error ellipse: s-maj=112.5km s-min=23.4km az=70.0.							
IDC	X	**06 06 11 20.2–7.3**	**2.79N**	**126.75E**	**0**	**3.9,3.7**			
									¶601997247
IDC		Error ellipse: s-maj=120.3km s-min=97.2km az=127.0.							
ISC	X	**07 23 26 57.2–.62**	**1.66N–.07**	**126.69E–.07**	**47**	**4.3b**	**29**	**1-94**	
IDC	X	07 23 26 50.9–1.1	1.64N	126.52E	0	4.4,4.3b			¶601836637
ISCJB	X	07 23 26 55.3–.47	1.68N–.05	126.68E–.06	47	4.5b,2.9s			
NEIC	X	07 23 26 55.7–.34	1.61N	126.58E	35	4.7b,2.9s			
DJA	X	07 23 26 57.2–.90	2N–5.0	127E–5.0	27–15	4.9b,4.7b			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
IDC	X	**10 16 45 43.0–2.1**	**1.33N**	**126.36E**	**0**	**3.2,3.1**			
									¶601997782
IDC		Error ellipse: s-maj=188.7km s-min=25.0km az=65.0.							
ISC	X	**10 17 19 24.4–1.0**	**1.79N–.06**	**126.66E–.07**	**47**	**3.5b**	**14**	**1-63**	
IDC	X	10 17 19 18.1–1.7	1.60N	126.09E	0	3.7,3.6			¶601997788
ISCJB	X	10 17 19 22.6–.79	1.77N–.05	126.72E–.07	47	3.5b,3.6			
DJA	X	10 17 19 23.6–.70	2N–3.0	127E–5.0	82–16	3.9b,3.9			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	X	**12 07 40 27.0–2.0**	**1.65N**	**126.77E**	**0**	**3.8,3.6**			
									¶601997974
IDC		Error ellipse: s-maj=168.4km s-min=25.0km az=65.0.							
IDC	X	**12 19 53 56.3–2.2**	**0.46N**	**126.25E**	**0**	**3.8s,3.8**			
									¶601998044
IDC		Error ellipse: s-maj=183.1km s-min=29.0km az=65.0.							
ISC	X	**13 09 16 10.9–1.4**	**2.7N–.20**	**128.0E–.30**	**100**	**3.8b**	**8**	**5-59**	
ISCJB	X	13 09 16 09.0–1.3	2.8N–.20	128.0E–.20	100	3.6b			¶601998097
IDC	X	13 09 16 11.1–3.8	2.77N	128.07E	103–38	3.8,3.5			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=37.6km s-min=12.4km az=136.4.							
IDC		Error ellipse: s-maj=55.9km s-min=20.6km az=69.0.							
ISC	X	**14 20 41 46.2–1.2**	**1.1N–.20**	**126.39E–.06**	**44**	**3.4b**	**8**	**1-60**	
IDC	X	14 20 41 40.8–1.9	0.81N	125.79E	0	3.6,3.4			¶601998255
ISCJB	X	14 20 41 44.8–1.1	1.1N–.20	126.38E–.06	44	3.3b,3.4			
DJA	X	14 20 41 45.3–1.4	1N–10	126E–3.0	39–30	3.6,3.6			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	X	**15 22 20 50.1–2.1**	**1.12N**	**126.26E**	**0**	**3.8,3.6**			
									¶601998380
IDC		Error ellipse: s-maj=175.4km s-min=26.3km az=65.0.							
IDC	X	**16 17 22 07.8–1.4**	**0.83N**	**126.58E**	**0**	**3.4,3.3**			
									¶601998563
IDC		Error ellipse: s-maj=59.5km s-min=24.0km az=58.0.							
IDC	X	**18 08 28 15.9–1.9**	**0.09N**	**126.38E**	**0**	**3.7,3.5**			
									¶601998777
IDC		Error ellipse: s-maj=159.7km s-min=26.2km az=65.0.							
ISC	X	**18 19 36 17.8–.39**	**2.46N–.05**	**126.91E–.06**	**53**	**4.4b,3.6s**	**89**	**2-149**	
IDC	X	18 19 36 10.4–.48	2.33N	126.75E	0	4.5,4.4			¶601838847
BJI	X	18 19 36 14.1	2.44N	126.39E	23	4.8b,4.5b			
ISCJB	X	18 19 36 16.8–.30	2.62N–.03	126.92E–.04	53	4.4b,3.6s			
NEIC	X	18 19 36 18.9–2.2	2.32N	126.71E	64–21	4.7b,3.6s			
DJA	X	18 19 36 20.3–.40	3N–4.0	127E–3.0	74–4	5.0b,4.8			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
IDC	X	**18 20 33 46.9–1.5**	**2.36N**	**126.51E**	**0**	**3.7,3.6**			
									¶601998843
IDC		Error ellipse: s-maj=66.3km s-min=23.2km az=63.0.							
IDC	X	**22 10 54 26.9–1.8**	**0.10N**	**125.78E**	**0**	**4.1,3.9**			
									¶601999265
IDC		Error ellipse: s-maj=174.8km s-min=24.2km az=64.0.							
IDC	X	**25 02 32 05.6–1.8**	**1.64N**	**126.27E**	**0**	**3.9,3.8b**			
									¶601999558
IDC		Error ellipse: s-maj=116.0km s-min=23.1km az=68.0.							
IDC	X	**30 04 19 45.7–1.2**	**2.96N**	**126.01E**	**0**	**4.0,3.9**			
									¶602000425
IDC		Error ellipse: s-maj=118.0km s-min=17.3km az=70.0.							
ISC	X	**30 11 49 28.9–.80**	**2.65N–.05**	**126.60E–.09**	**55**	**4.1b**	**36**	**1-58**	
IDC	X	30 11 49 23.2–1.8	2.49N	126.53E	0	4.0,3.9			¶602000472
DJA	X	30 11 49 26.9–.60	3N–3.0	126E–5.0	10	4.7b,4.5b			
ISCJB	X	30 11 49 27.1–.44	2.65N–.04	126.60E–.06	55	4.0b,4.5b			
NEIC	X	30 11 49 27.6–1.5	2.70N	126.81E	43–14	4.0b,4.5b			
MAN	X	30 11 49 49.3	4.07N	125.71E	100	4.2b,3.1L			
ISC		Event type se.							
IDC		Error ellipse: s-maj=105.9km s-min=24.8km az=68.0.							
ISCJB		Event type se. Error ellipse: s-maj=9.5km s-min=4.5km az=158.4.							
NEIC		Event type se. Error ellipse: s-maj=18.8km s-min=6.5km az=59.0.							
ISC	X	**30 22 49 50.2–.49**	**2.17N–.04**	**127.07E–.05**	**63**	**4.3b**	**70**	**1-82**	
ISCJB	X	30 22 49 48.3–.28	2.20N–.03	127.07E–.03	63	4.3b			¶601864426
IDC	X	30 22 49 51.3–1.9	2.16N	127.10E	80–17	4.2,4.1			
DJA	X	30 22 49 51.1–.60	2N–4.0	127E–3.0	65–16	5.0b,4.7			
NEIC	X	30 22 49 52.2–.73	2.14N	127.06E	88–7	4.5b,4.7			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=158.8.							
IDC		Error ellipse: s-maj=22.4km s-min=8.1km az=70.0.							
NEIC		Event type se. Error ellipse: s-maj=10.4km s-min=4.9km az=63.0.							
IDC	X	**31 09 56 36.2–1.1**	**2.78N**	**126.28E**	**0**	**3.6,3.5**			
									¶602000603
IDC		Error ellipse: s-maj=74.9km s-min=20.4km az=73.0.							
IDC	X	**31 14 34 44.7–2.1**	**0.43N**	**126.24E**	**0**	**3.3,3.2**			
									¶602000629
IDC		Error ellipse: s-maj=182.1km s-min=27.2km az=65.0.							
IDC	X	**31 23 27 06.8–1.7**	**2.05N**	**127.82E**	**0**	**3.8,3.7**			
									¶602000671
IDC		Error ellipse: s-maj=93.4km s-min=22.7km az=69.0.							
IDC	XI	**02 11 48 59.4–1.6**	**1.65N**	**126.40E**	**0**	**3.9,3.7**			
									¶602388718
IDC		Error ellipse: s-maj=110.0km s-min=23.0km az=69.0.							
DJA	XI	**05 03 29 48.5–.90**	**1N–5.0**	**127E–9.0**	**27–14**	**3.5,3.5**			
									¶606792898
IDC	XI	**08 05 04 25.2–2.1**	**1.01N**	**126.51E**	**0**	**3.8,3.6**			
									¶602389016
IDC		Error ellipse: s-maj=166.7km s-min=27.8km az=66.0.							
ISC	XI	**08 15 52 42.5–1.1**	**0.40N–.10**	**125.94E–.06**	**44**	**3.8b**	**10**	**1-60**	
IDC	XI	08 15 52 37.2–2.1	0.29N	125.80E	0	4.0,3.8			¶602389040
DJA	XI	08 15 52 40.3–.40	0N–6.0	126E–4.0	10	3.8b,3.6			

ISCJB XI 08 15 52 41.1–.84 0.4N–.10 125.94E–.06 44 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 09 34 32.7–1.1 2.7N–.20 127.1E–.30 55 4.0b 7 5-59
IDC XI 11 09 34 25.9–1.1 2.44N 126.42E 0 4.5L,4.0 ¶602389211
ISCJB XI 11 09 34 30.8–.97 2.8N–.20 127.2E–.20 55 3.7b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC XI 11 20 06 13.9–2.0 2.98N 127.81E 0 3.6,3.4
¶602389236

IDC Error ellipse: s-maj=107.2km s-min=25.4km az=70.0.
IDC XI 14 20 35 13.8–2.2 2.29N 127.23E 0 4.0s,4.0
¶602389404

IDC Error ellipse: s-maj=185.1km s-min=24.8km az=67.0.
ISC XI 16 04 31 01.4–.94 2.11N–.08 126.8E–.10 63 4.1b 12 1-59
IDC XI 16 04 30 53.6–1.1 2.06N 126.39E 0 4.1,3.9b ¶602389484
DJA XI 16 04 30 58.9–.70 2N–6.0 127E–7.0 10 4.1b,3.9
ISCJB XI 16 04 31 00.1–.81 2.07N–.08 126.79E–.09 63 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC XI 17 03 05 53.9–2.2 1.56N 126.81E 0 3.5,3.3
¶602389539

IDC Error ellipse: s-maj=183.3km s-min=25.4km az=66.0.
ISC XI 18 02 05 15.8–.62 1.54N–.06 125.18E–.05 154 3.8b 33 2-88
ISCJB XI 18 02 05 14.2–.41 1.54N–.05 125.11E–.05 154 3.6b ¶601909936
DJA XI 18 02 05 15.1–.40 2N–4.0 125E–2.0 126–5 5.3b,4.8
IDC XI 18 02 05 17.2–2.9 1.58N 125.19E 160–28 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.2km az=35.0.
IDC Error ellipse: s-maj=31.6km s-min=11.0km az=80.0.
IDC XI 18 02 36 48.9–2.1 2.54N 127.97E 0 3.7,3.5
¶602389596

IDC Error ellipse: s-maj=137.8km s-min=26.9km az=66.0.
ISC XI 18 10 22 12.0–.54 2.71N–.06 127.24E–.06 100 4.6b 52 2-152
ISCJB XI 18 10 22 10.8–.34 2.64N–.04 127.29E–.05 100 4.4b ¶601992692
DJA XI 18 10 22 10.3–.70 3N–5.0 127E–6.0 51–45 4.5b,4.4
IDC XI 18 10 22 10.4–4.0 2.54N 127.07E 75–39 4.1,4.0
NEIC XI 18 10 22 11.7–.77 2.63N 127.36E 90–7 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=153.8.
IDC Error ellipse: s-maj=47.7km s-min=14.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.0km az=65.0.
IDC XI 19 11 10 23.8–2.0 0.98N 126.30E 0 3.7,3.5
¶602389665

IDC Error ellipse: s-maj=185.9km s-min=24.9km az=65.0.
IDC XI 19 18 19 52.1–2.0 1.75N 126.12E 0 4.1,3.9s
¶602389688

IDC Error ellipse: s-maj=184.9km s-min=25.0km az=65.0.
ISC XI 20 15 28 00.9–.80 0.78N–.04 126.09E–.04 17–4 4.9b,3.9s 264 1-168
BJI XI 20 15 27 54.0 0.35N 126.25E 8 5.0b,4.7b ¶601993222
IDC XI 20 15 27 58.0–.36 0.73N 126.00E 0 4.8,4.8b
KLM XI 20 15 27 59.0 0.79N 126.06E 10 4.8b,4.8b
NEIC XI 20 15 28 00.8–1.7 0.81N 126.06E 19–11 4.9b,4.8b
ISCJB XI 20 15 28 03.1–.52 0.78N–.02 126.12E–.03 52–5 4.8b,3.8s
GCMT XI 20 15 28 04.8–.30 0.83N–.03 125.96E–.02 31–0 4.9W,3.8s
DJA XI 20 15 28 05.2–.30 1N–3.0 126E–2.0 47–3 5.4b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c52; s54,c69;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.18 $M_{\theta\theta}$-0.40±.10; $M_{\phi\phi}$-2.95±.11; $M_{r\theta}$-0.21±.15; $M_{\theta\phi}$0.21±.07; $M_{\phi r}$-0.21±.14; Best double couple: NP1:ϕ_s179.00000°,δ47.00000°,λ95.00000°. NP2:ϕ_s352.00000°,δ43.00000°,λ85.00000°. Principal axes: T 3.3800,Plg86.0000° ,Azm149.0000°; N -0.4000,Plg3.0000°,Azm356.0000°; P -2.9730,Plg2.0000°,Azm265.0000° M_o3.17600×10^{16}
IDC XI 22 02 08 28.0–16 0.12N 125.68E 0 4.1,3.9
¶602389814

IDC Error ellipse: s-maj=255.9km s-min=170.2km az=161.0.
ISC XI 23 00 40 24.9–.63 1.64N–.03 125.91E–.05 105–5 4.9b 467 2-160
BJI XI 23 00 40 19.7 1.60N 125.90E 58 5.1b,5.0b ¶601993833
KLM XI 23 00 40 20.0 1.48N 126.07E 60 5.0b,5.0b
MOS XI 23 00 40 21.6–1.1 1.68N 125.83E 89 5.1b,5.0b
NEIC XI 23 00 40 21.2–.62 1.62N 125.82E 73–5 5.0b,5.0b
ISCJB XI 23 00 40 23.9–.32 1.65N–.02 125.91E–.03 112–3 4.9b,5.0b
IDC XI 23 00 40 23.6–1.5 1.63N 125.80E 93–14 4.8,4.5
GCMT XI 23 00 40 24.2–.40 1.73N–.02 125.87E–.03 82–3 4.9W,4.5
DJA XI 23 00 40 26.0–.30 2N–3.0 126E–2.0 53–19 5.2,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c29; s66,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.80±.13 $M_{\theta\theta}$-2.83±.11; $M_{\phi\phi}$2.02±.16; $M_{r\theta}$0.42±.07; $M_{\theta\phi}$-1.37±.17; $M_{\phi r}$1.19±.10; Best double couple: NP1:ϕ_s34.00000°,δ79.00000°,λ27.00000°. NP2:ϕ_s298.00000°,δ63.00000°,λ167.00000°. Principal axes: T 2.9160,Plg27.0000° ,Azm259.0000°; N 0.3940,Plg61.0000°,Azm55.0000°; P -3.3190,Plg10.0000°,Azm163.0000° M_o3.11700×10^{16}
IDC XI 23 02 45 54.3–2.0 0.87N 126.43E 0 3.9,3.7
¶602389861

IDC Error ellipse: s-maj=176.4km s-min=24.6km az=65.0.
IDC XI 23 20 07 53.6–2.1 2.14N 126.27E 0 3.4,3.2
¶602389905

IDC Error ellipse: s-maj=178.6km s-min=25.3km az=66.0.
ISC XI 25 07 25 59.6–1.0 1.15N–.09 126.65E–.06 39 3.9b 12 1-60
IDC XI 25 07 25 52.6–1.3 1.15N 126.68E 0 3.8,3.7 ¶602389959
ISCJB XI 25 07 25 56.5–.98 1.22N–.08 126.86E–.09 39 3.8b,3.7
DJA XI 25 07 26 01.9–1.1 1N–7.0 127E–6.0 22–15 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XI 25 15 55 28.7–2.2 2.26N 127.24E 0 3.6,3.4b
¶602389981

IDC Error ellipse: s-maj=213.9km s-min=22.1km az=67.0.
ISC XI 26 12 08 38.4–1.4 2.0N–.10 126.38E–.09 47 4.0b,3.0s 12 2-59
IDC XI 26 12 08 32.1–1.8 1.87N 125.97E 0 4.0,3.9b ¶602390024
ISCJB XI 26 12 08 36.3–1.3 2.1N–.10 126.40E–.09 47 3.8b,3.1s
DJA XI 26 12 08 36.6–3.0 2N–17 126E–9.0 10–30 4.5b,4.0b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 29 06 20 00.8–1.2 2.55N 127.77E 0 3.9,3.8
¶602390155

IDC Error ellipse: s-maj=120.1km s-min=17.4km az=69.0.
IDC XI 30 05 52 50.3–1.9 0.38N 126.28E 0 3.8,3.6
¶602390224

IDC Error ellipse: s-maj=176.8km s-min=24.6km az=65.0.
IDC XII 02 05 58 51.2–2.0 0.60N 126.63E 0 3.3,3.2
¶602390329

IDC Error ellipse: s-maj=179.4km s-min=25.0km az=66.0.
ISC XII 03 18 30 26.3–.95 0.6N–.10 126.17E–.06 44 4.2b 17 1-89
ISCJB XII 03 18 30 24.4–.57 0.54N–.07 126.09E–.06 44 4.3b,3.3s ¶602330068
IDC XII 03 18 30 24.6–14 0.21N 126.49E 0 4.1,4.0b
NEIC XII 03 18 30 25.3–.53 0.55N 126.16E 35 4.2b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.6km az=5.1.
IDC Error ellipse: s-maj=234.9km s-min=105.9km az=146.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.1km az=68.0.
IDC XII 05 13 00 05.9–1.5 1.97N 126.21E 0 3.9,3.8
¶602390498

IDC Error ellipse: s-maj=69.7km s-min=23.2km az=60.0.
IDC XII 05 17 19 47.3–2.2 1.60N 126.62E 0 4.0,4.0s
¶602390509

IDC Error ellipse: s-maj=123.7km s-min=27.4km az=69.0.
ISC XII 09 16 56 13.8–1.3 1.7N–.10 126.33E–.06 47 3.6b 15 1-59
IDC XII 09 16 56 06.8–1.8 1.73N 126.30E 0 4.0,3.8 ¶602390913
ISCJB XII 09 16 56 12.5–1.1 1.66N–.09 126.32E–.05 47 3.7b,3.8
DJA XII 09 16 56 12.6–1.7 2N–15 126E–8.0 24–27 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 11 06 18 29.0–.30 0.56N–.02 126.22E–.03 44–2 5.9b,5.7s 1778 1-174
BJI XII 11 06 18 22.6 0.11N 126.33E 33 5.7b,5.7s ¶602036632
MOS XII 11 06 18 26.6–1.0 0.56N 126.19E 33 6.2b,5.5s
IDC XII 11 06 18 27.3–1.3 0.50N 126.17E 28–8 5.8,5.6
NEIC XII 11 06 18 27.0–.00 0.39N 126.15E 40 5.8,5.6
NEIC XII 11 06 18 27.3–.06 0.53N 126.23E 30 6.0,6.0W
ISCJB XII 11 06 18 28.0–.26 0.55N–.01 126.26E–.02 48–2 5.9b,5.7s
DJA XII 11 06 18 30.5–.20 1N–2.0 126E–1.0 56–2 6.2b,6.0
GCMT XII 11 06 18 31.3–.10 0.65N 126.20E 31–0 6.0W,6.0
KLM XII 11 06 18 31.0 0.51N 126.36E 66 6.0b,6.0
ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=110.5.
IDC Error ellipse: s-maj=10.2km s-min=7.3km az=69.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ50.00000° ,λ62.00000°. NP2:ϕ_s40.00000°,δ47.00000°,λ119.00000°. Principal axes:
T 1.1000,Plg68.0000°,Azm24.0000°; N -0.0100,Plg21.0000°,Azm199.0000°
; P -1.0900,Plg1.0000°,Azm290.0000°
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=63.0. Felt [III] on Pulau Ternate. Apparent Stress 0.61 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}6.06 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-5.57 $M_{r\theta}$1.27 $M_{\theta\phi}$-4.89 $M_{\phi r}$-3.91 Best double couple: NP1: ϕ_s186.00000°,δ61.00000°,λ58.00000°. NP2:ϕ_s58.00000°,δ42.00000°,λ133.00000°. Principal axes: T 8.1900,Plg60.0000°,Azm48.0000°; N 0.8600,Plg27.0000°,Azm203.0000° ; P -9.0500,Plg11.0000°,Azm298.0000° M_o8.70000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s64.00000°,δ36.00000°,λ144.00000°. NP2: ϕ_s185.00000°,δ70.00000°,λ60.00000°. Principal axes: T Plg55.0000°,Azm57.0000° ; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm297.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=164.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c267; s134,c410; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.89±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$-1.17±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$-0.72±.01; $M_{\phi r}$-0.62±.02; Best double couple: NP1:ϕ_s185.00000° ,δ61.00000°,λ68.00000°. NP2:ϕ_s45.00000°,δ36.00000°,λ124.00000°. Principal axes: T 1.0920,Plg66.0000°,Azm54.0000°; N 0.5120,Plg19.0000°,Azm196.0000° ; P -1.6050,Plg13.0000°,Azm291.0000° M_o1.34900×10^{18}
ISC XII 11 18 19 51.1–.81 0.29N–.10 126.44E–.06 10 4.1b 21 1-35
ISCJB XII 11 18 19 49.6–.71 0.25N–.07 126.48E–.07 10 4.4b,2.5s ¶602340313
NEIC XII 11 18 19 51.3–.62 0.27N 126.52E 10 4.5b,2.5s
IDC XII 11 18 19 56.6–13 0.40S 126.64E 0 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.6km az=136.5.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=9.1km az=176.0.
IDC Error ellipse: s-maj=220.2km s-min=45.2km az=144.0.
ISC XII 12 16 06 05.7–1.0 0.6N–.10 126.35E–.07 47 3.9b 11 1-60
IDC XII 12 16 06 01.1–1.7 0.23N 125.61E 0 4.1,3.9b ¶602391194
DJA XII 12 16 06 04.7–.50 1N–6.0 126E–4.0 10 4.2b,3.9
ISCJB XII 12 16 06 05.0–.87 0.6N–.10 126.34E–.07 47 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC XII 12 23 25 09.6–1.9 0.52N 126.10E 0 3.7,3.5
¶602391214

IDC Error ellipse: s-maj=172.5km s-min=25.0km az=65.0.
ISC XII 13 07 34 40.7–.65 0.52N–.08 126.39E–.09 47 4.2b 34 1-88
ISCJB XII 13 07 34 38.9–.40 0.50N–.06 126.36E–.06 47 4.2b ¶602347524
NEIC XII 13 07 34 40.0–.34 0.53N 126.42E 35 4.5b
IDC XII 13 07 34 40.9–4.0 0.49N 126.42E 43–37 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.9km az=41.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.4km az=63.0.
IDC Error ellipse: s-maj=38.7km s-min=10.5km az=70.0.
IDC XII 13 09 21 55.2–1.8 0.55N 126.28E 0 3.6,3.4b
¶602391247

IDC Error ellipse: s-maj=181.3km s-min=23.5km az=66.0.
ISC XII 13 09 52 39.3–1.1 0.55N–.08 126.31E–.07 47 3.9b 9 1-64
IDC XII 13 09 52 33.5–1.7 0.58N 126.22E 0 4.0,3.9 ¶602391252
DJA XII 13 09 52 36.3–.40 1N–4.0 126E–3.0 10 3.5,3.5
ISCJB XII 13 09 52 37.8–.77 0.58N–.07 126.26E–.07 47 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 13 23 35 15.4–2.1 1.97N 126.80E 0 3.3,3.2
¶602391287

IDC Error ellipse: s-maj=179.5km s-min=24.4km az=66.0.
ISC XII 14 05 13 16.8–.68 0.50N–.07 126.48E–.04 47 4.3b 38 1-76
IDC XII 14 05 13 10.0–.76 0.44N 126.05E 0 4.2,4.1 ¶602060855
DJA XII 14 05 13 13.9–.30 0N–5.0 126E–2.0 10 4.4b,4.2
ISCJB XII 14 05 13 14.4–.36 0.54N–.05 126.41E–.04 47 4.2b,4.2
NEIC XII 14 05 13 15.2–.46 0.62N 126.58E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=15.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=7.9.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.8km az=66.0.
IDC XII 14 13 37 08.4–1.8 0.92N 126.89E 0 3.9,3.7
¶602391326

IDC Error ellipse: s-maj=159.5km s-min=23.9km az=65.0.
ISC XII 14 17 20 59.8–1.2 0.8N–.10 126.21E–.09 44 3.7b 13 2-60
DJA XII 14 17 20 45.8–.50 2N–5.0 127E–4.0 195–11 3.9b,3.8 ¶602391334
IDC XII 14 17 20 54.7–1.4 0.59N 126.22E 0 3.8,3.6
ISCJB XII 14 17 20 58.1–.95 0.7N–.10 126.24E–.05 44 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XII 14 18 23 32.4–2.0 0.55N 126.80E 0 3.6,3.4
¶602391338

IDC Error ellipse: s-maj=169.6km s-min=25.4km az=66.0.
IDC XII 15 00 44 35.0–2.1 0.45N 126.65E 0 3.4,3.3
¶602391356

IDC Error ellipse: s-maj=175.0km s-min=27.9km az=65.0.
ISC XII 15 16 30 15.4–.57 0.56N–.06 126.38E–.05 47 4.1b 44 1-124
IDC XII 15 16 30 09.0–.78 0.49N 126.26E 0 4.1,4.0 ¶602216194
NEIC XII 15 16 30 10.6–3.1 0.48N 126.34E 12–19 4.4b,4.0
ISCJB XII 15 16 30 13.2–.31 0.51N–.04 126.34E–.04 47 4.1b,3.3s
DJA XII 15 16 30 13.5–1.6 1N–5.0 126E–2.0 31–25 4.3b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 15 18 56 36.6–.90 0.66N 126.61E 0 3.9,3.8b
¶602342563

IDC Error ellipse: s-maj=69.7km s-min=18.5km az=70.0.
IDC XII 15 20 06 06.4–1.9 0.79N 126.90E 0 3.7,3.5
¶602391415

IDC Error ellipse: s-maj=183.9km s-min=22.7km az=67.0.
IDC XII 15 20 13 34.3–2.0 0.70N 126.58E 0 3.8,3.6
¶602391417

IDC Error ellipse: s-maj=181.9km s-min=25.1km az=66.0.
ISC XII 15 22 03 51.4–.68 2.52N–.07 127.06E–.09 53 4.0b 25 2-82
IDC XII 15 22 03 43.9–.70 2.24N 126.36E 0 4.1,4.0 ¶602340347
NEIC XII 15 22 03 48.9–.46 2.26N 126.55E 35 4.4b,4.0
ISCJB XII 15 22 03 49.5–.51 2.53N–.05 127.10E–.07 53 4.0s,4.0b
DJA XII 15 22 03 49.6–1.9 3N–5.0 127E–4.0 18–17 4.5b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 16 12 22 18.8–2.0 1.46N 125.47E 0 3.9,3.7
¶602391463

IDC Error ellipse: s-maj=196.6km s-min=24.9km az=65.0.

ISC	**XII**	**17 16 06 55.2–1.1**	**1.45N–.09**	**127.00E–.08**	**35**	**3.5b**	**12**	**1-60**	
IDC	XII	17 16 06 49.7–1.2	1.11N	126.26E	0	3.7,3.6			¶602391551
ISCJB	XII	17 16 06 52.8–.98	1.57N–.10	127.18E–.08	35	3.5b,3.6			
DJA	XII	17 16 07 00.4–.70	1N–7.0	127E–6.0	28–12	5.8b,5.4			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**XII**	**17 19 26 58.5–2.1**	**1.04N**	**126.43E**	**0**	**3.3,3.1**			**¶602391567**
IDC	Error ellipse: s-maj=181.6km s-min=26.5km az=65.0.								
IDC	**XII**	**18 01 57 03.0–2.0**	**0.75N**	**126.37E**	**0**	**3.6,3.4**			**¶602391585**
IDC	Error ellipse: s-maj=181.3km s-min=25.2km az=65.0.								
IDC	**XII**	**18 08 22 18.0–2.0**	**0.82N**	**126.88E**	**0**	**4.0,3.8**			**¶602391594**
IDC	Error ellipse: s-maj=162.4km s-min=27.0km az=65.0.								
IDC	**XII**	**18 11 25 59.2–1.8**	**1.04N**	**125.71E**	**0**	**3.6,3.4**			**¶602391599**
IDC	Error ellipse: s-maj=119.2km s-min=24.5km az=67.0.								
IDC	**XII**	**18 16 19 31.2–1.8**	**2.59N**	**127.88E**	**0**	**3.8,3.8L**			**¶602391614**
IDC	Error ellipse: s-maj=87.0km s-min=25.5km az=62.0.								
IDC	**XII**	**19 15 50 08.8–2.0**	**0.82N**	**126.70E**	**0**	**3.4,3.3**			**¶602391674**
IDC	Error ellipse: s-maj=171.4km s-min=24.8km az=66.0.								
IDC	**XII**	**20 03 33 13.2–1.8**	**1.78N**	**126.51E**	**0**	**3.8,3.7b**			**¶602391704**
IDC	Error ellipse: s-maj=113.9km s-min=23.5km az=68.0.								
IDC	**XII**	**20 08 09 52.9–2.1**	**2.88N**	**127.60E**	**0**	**3.6,3.4**			**¶602391714**
IDC	Error ellipse: s-maj=142.1km s-min=25.5km az=67.0.								
IDC	**XII**	**20 09 50 32.4–2.1**	**0.13N**	**125.23E**	**0**	**3.6,3.4**			**¶602391718**
IDC	Error ellipse: s-maj=201.0km s-min=28.1km az=64.0.								
IDC	**XII**	**20 09 50 59.9–1.4**	**0.70N**	**126.58E**	**0**	**3.8,3.6**			**¶602391721**
IDC	Error ellipse: s-maj=147.5km s-min=21.5km az=69.0.								
ISC	**XII**	**20 18 22 04.2–1.2**	**0.5N–.10**	**126.29E–.09**	**10**	**3.5b**	**9**	**1-35**	
ISCJB	XII	20 18 22 03.4–.95	0.5N–.10	126.25E–.07	10	3.5b			¶606793509
DJA	XII	20 18 22 04.4–.40	0N–6.0	126E–4.0	10	3.8,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**20 19 00 13.5–.96**	**0.58N–.10**	**126.40E–.05**	**44**	**4.3b**	**16**	**1-60**	
IDC	XII	20 19 00 07.2–1.3	0.45N	126.10E	0	4.4,4.3b			¶602391746
DJA	XII	20 19 00 11.2–.30	1N–4.0	126E–2.0	10	3.9,3.9			
ISCJB	XII	20 19 00 12.7–.60	0.46N–.09	126.39E–.04	44	4.3b,3.1s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**20 21 47 31.2–.21**	**0.53N–.03**	**126.25E–.04**	**41–3**	**5.6b,4.8s**	**859**	**1-165**	
BJI	XII	20 21 47 25.2	0.12N	126.20E	33	5.4b,5.2b			¶602054384
NEIC	XII	20 21 47 29.8–1.1	0.56N	126.22E	28–8	5.7b,4.9s			
IDC	XII	20 21 47 29.6–1.8	0.47N	126.21E	28–11	5.5,5.4b			
MOS	XII	20 21 47 29.1–1.0	0.53N	126.17E	36	5.8b,4.6s			
DJA	XII	20 21 47 30.1–.20	1N–3.0	126E–2.0	10	5.6b,5.6b			
ISCJB	XII	20 21 47 30.5–.34	0.55N–.02	126.22E–.02	49–3	5.5b,4.8s			
GCMT	XII	20 21 47 30.8–.10	0.40N–.01	126.40E–.01	26–0	5.4W,4.8s			
KLM	XII	20 21 47 32.0	0.61N	126.37E	55	5.7b,4.8s			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=3.6km s-min=2.9km az=62.0.								
IDC	Error ellipse: s-maj=11.4km s-min=6.6km az=68.0.								
MOS	Error ellipse: s-maj=7.4km s-min=4.3km az=114.2.								
ISCJB	Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=157.0.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c176; s107,c210;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.45±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.81±.03; $M_{r\theta}$0.49±.04; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.34±.04; Best double couple: NP1:ϕ_s47.00000°,δ56.00000°,λ96.00000°. NP2:ϕ_s216.00000°,δ35.00000°,λ81.00000°. Principal axes: T 1.5720,Plg78.0000° ,Azm338.0000°; N 0.0330,Plg5.0000°,Azm224.0000°; P -1.6090,Plg11.0000°,Azm133.0000° $M_0$1.59000×10^{17}								
IDC	**XII**	**20 22 08 02.1–1.9**	**0.43N**	**125.83E**	**0**	**3.8,3.6**			**¶602391756**
IDC	Error ellipse: s-maj=184.5km s-min=24.0km az=65.0.								
IDC	**XII**	**21 00 36 13.2–2.0**	**1.67N**	**126.44E**	**0**	**3.8,3.6**			**¶602391764**
IDC	Error ellipse: s-maj=185.0km s-min=23.4km az=66.0.								
IDC	**XII**	**21 00 52 26.9–1.8**	**0.71N**	**126.51E**	**0**	**3.7,3.6b**			**¶602391766**
IDC	Error ellipse: s-maj=113.7km s-min=23.8km az=68.0.								
IDC	**XII**	**21 01 47 10.7–2.7**	**2.12N**	**127.27E**	**0**	**3.5,3.4**			**¶602391767**
IDC	Error ellipse: s-maj=239.3km s-min=26.1km az=67.0.								
IDC	**XII**	**21 02 31 26.8–2.1**	**0.75N**	**126.81E**	**0**	**3.5,3.3**			**¶602391771**
IDC	Error ellipse: s-maj=169.4km s-min=27.2km az=66.0.								
IDC	**XII**	**21 12 15 20.2–2.0**	**0.74N**	**126.55E**	**0**	**4.0,3.8**			**¶602391812**
IDC	Error ellipse: s-maj=178.0km s-min=24.3km az=66.0.								
IDC	**XII**	**21 19 54 00.8–2.0**	**0.83N**	**126.77E**	**0**	**3.9,3.7**			**¶602391823**
IDC	Error ellipse: s-maj=169.9km s-min=25.0km az=66.0.								
IDC	**XII**	**21 22 27 44.3–1.4**	**0.46N**	**126.03E**	**0**	**3.9,3.7**			**¶602391830**
IDC	Error ellipse: s-maj=49.6km s-min=23.1km az=63.0.								
ISC	**XII**	**22 22 32 44.4–.46**	**1.58N–.06**	**126.57E–.05**	**47**	**4.6b**	**55**	**1-123**	
IDC	XII	22 22 32 38.4–.68	1.57N	126.40E	0	4.2,4.0			¶602374093
DJA	XII	22 22 32 40.3–.90	2N–15	127E–9.0	11–16	4.7b,4.6b			
ISCJB	XII	22 22 32 42.3–.33	1.58N–.04	126.54E–.04	47	4.6b,2.9s			
NEIC	XII	22 22 32 43.0–.90	1.60N	126.58E	38–9	4.5b,2.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=48.7km s-min=14.5km az=75.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.1km s-min=5.8km az=148.6.								
NEIC	Event type se. Error ellipse: s-maj=9.0km s-min=6.4km az=61.0.								
DJA	**XII**	**23 14 10 44.6–1.4**	**1N–5.0**	**126E–3.0**	**18–13**	**3.6,3.6**			**¶606793552**
IDC	**XII**	**23 16 19 01.1–2.1**	**2.78N**	**127.12E**	**0**	**3.5,3.3**			**¶602391930**
IDC	Error ellipse: s-maj=155.5km s-min=26.3km az=66.0.								
IDC	**XII**	**23 19 52 47.8–1.9**	**0.37N**	**125.68E**	**0**	**3.3,3.2**			**¶602391898**
IDC	Error ellipse: s-maj=183.4km s-min=25.2km az=64.0.								
IDC	**XII**	**23 21 16 51.7–1.9**	**0.50N**	**126.06E**	**0**	**3.6,3.4**			**¶602391942**
IDC	Error ellipse: s-maj=169.3km s-min=25.3km az=65.0.								
IDC	**XII**	**24 18 59 35.8–1.9**	**1.31N**	**126.00E**	**0**	**3.5,3.3**			**¶602392012**
IDC	Error ellipse: s-maj=172.4km s-min=24.8km az=65.0.								
ISC	**XII**	**25 07 34 42.3–.36**	**1.10N–.03**	**125.52E–.04**	**62–2**	**5.4b**	**896**	**2-164**	
MOS	XII	25 07 34 38.2–1.0	1.16N	125.32E	37	5.5b,4.0s			¶602058098
BJI	XII	25 07 34 40.6	1.10N	125.50E	62	5.3b,5.1b			
IDC	XII	25 07 34 41.6–.55	1.10N	125.37E	54–4	5.1,4.9			
NEIC	XII	25 07 34 41.2–.37	1.11N	125.46E	52–3	5.4b,4.9			
ISCJB	XII	25 07 34 44.2–.34	1.09N–.02	125.52E–.02	95–3	5.2b,4.9			
GCMT	XII	25 07 34 44.2–.10	1.02N–.01	125.61E–.01	67–1	5.2W,4.9			
DJA	XII	25 07 34 45.1–.20	1N–2.0	126E–1.0	85–2	5.7,5.6b			
KLM	XII	25 07 34 46.0	1.01N	125.69E	94	5.3b,5.6b			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=8.1km s-min=4.4km az=111.5.								
IDC	Error ellipse: s-maj=13.7km s-min=9.0km az=69.0.								
NEIC	Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=63.0. Felt [III] at Bitung and Manado, Indonesia.								
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=164.7.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c142; s117,c191;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-0.16±.01; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.43±.01; Best double couple: NP1:ϕ_s22.00000°,δ60.00000°,λ79.00000°. NP2:ϕ_s222.00000°,δ32.00000°,λ108.00000°. Principal axes: T 0.8690,Plg73.0000° ,Azm265.0000°; N 0.0740,Plg9.0000°,Azm27.0000°; P -0.9430,Plg14.0000°,Azm119.0000° $M_0$0.90600×10^{17}								
IDC	**XII**	**25 19 11 36.0–2.2**	**0.71N**	**126.55E**	**0**	**3.3,3.2**			**¶602380598**
IDC	Error ellipse: s-maj=214.9km s-min=25.6km az=65.0.								
IDC	**XII**	**26 06 44 12.4–1.8**	**0.74N**	**126.68E**	**0**	**4.2,4.0b**			**¶602380626**
IDC	Error ellipse: s-maj=169.1km s-min=22.3km az=65.0.								
IDC	**XII**	**26 17 29 44.6–1.9**	**0.09N**	**125.17E**	**0**	**3.6,3.3**			**¶602380651**
IDC	Error ellipse: s-maj=187.6km s-min=25.4km az=64.0.								
IDC	**XII**	**26 20 34 03.4–2.1**	**2.15N**	**127.85E**	**0**	**3.5,3.3**			**¶602380661**
IDC	Error ellipse: s-maj=148.1km s-min=24.8km az=67.0.								
IDC	**XII**	**27 09 24 41.5–1.9**	**0.64N**	**126.40E**	**0**	**4.1,3.9**			**¶602380704**
IDC	Error ellipse: s-maj=168.4km s-min=23.6km az=65.0.								
IDC	**XII**	**27 16 49 57.2–3.2**	**0.81N**	**126.27E**	**171–30**	**3.8,3.6**			**¶602380722**
IDC	Error ellipse: s-maj=135.5km s-min=14.4km az=66.0.								
IDC	**XII**	**27 20 36 44.3–2.1**	**0.77N**	**126.71E**	**0**	**3.6,3.4**			**¶602380731**
IDC	Error ellipse: s-maj=174.8km s-min=25.9km az=66.0.								
IDC	**XII**	**27 20 54 31.7–1.9**	**0.35N**	**125.74E**	**0**	**3.7,3.5**			**¶602380732**
IDC	Error ellipse: s-maj=183.1km s-min=24.6km az=65.0.								
ISC	**XII**	**27 22 17 20.5–.74**	**1.77N–.09**	**126.61E–.08**	**47**	**4.0b**	**20**	**1-59**	
IDC	XII	27 22 17 14.4–.80	1.76N	126.47E	0	4.2,4.0			¶602380739
DJA	XII	27 22 17 17.1–1.3	2N–12	127E–7.0	10	4.7b,4.4b			
ISCJB	XII	27 22 17 18.8–.57	1.76N–.06	126.53E–.06	47	4.0b,4.4b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**28 02 51 32.3–1.2**	**0.29N–.10**	**125.39E–.07**	**35**	**3.2b**	**15**	**1-60**	
IDC	XII	28 02 51 26.2–2.0	0.07N	124.89E	0	3.4,3.3			¶602380757
ISCJB	XII	28 02 51 32.3–.96	0.22N–.08	125.37E–.05	35	3.1b,3.3			
DJA	XII	28 02 51 32.6–1.0	0N–4.0	125E–2.0	16–9	4.0b,3.9			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**28 05 21 11.7–.29**	**0.56N–.04**	**126.20E–.04**	**44**	**4.6b,4.1s**	**218**	**1-147**	
BJI	XII	28 05 21 07.1	0.46N	125.97E	19	5.1b,4.8s			¶602060379
ISCJB	XII	28 05 21 09.5–.18	0.57N–.02	126.20E–.02	44	4.7b,4.1s			
IDC	XII	28 05 21 09.8–3.3	0.48N	126.04E	32–24	4.4,4.3			
MOS	XII	28 05 21 10.3–1.4	0.54N	126.19E	51	4.9b,4.3			
DJA	XII	28 05 21 10.6–.20	1N–2.0	126E–1.0	46–3	5.0b,4.7b			
NEIC	XII	28 05 21 11.4–.84	0.54N	126.17E	46–8	4.7b,4.7b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=3.6km s-min=3.3km az=14.5.								
IDC	Error ellipse: s-maj=20.6km s-min=8.7km az=65.0.								
MOS	Error ellipse: s-maj=11.8km s-min=6.3km az=116.8.								
NEIC	Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=60.0.								
IDC	**XII**	**28 12 34 29.8–1.4**	**1.49N**	**126.70E**	**0**	**3.7,3.6**			**¶602380776**
IDC	Error ellipse: s-maj=102.2km s-min=23.8km az=69.0.								
IDC	**XII**	**28 13 22 23.6–1.9**	**0.64N**	**125.45E**	**0**	**3.6,3.4**			**¶602380782**
IDC	Error ellipse: s-maj=185.9km s-min=24.4km az=64.0.								
IDC	**XII**	**28 18 34 45.6–2.8**	**2.74N**	**127.94E**	**0**	**3.4,3.3**			**¶602380794**
IDC	Error ellipse: s-maj=259.3km s-min=22.4km az=68.0.								
IDC	**XII**	**29 03 59 15.8–2.0**	**0.68N**	**125.12E**	**0**	**3.4,3.2**			**¶602380820**
IDC	Error ellipse: s-maj=192.2km s-min=27.4km az=64.0.								
ISC	**XII**	**29 11 38 47.5–1.1**	**1.05N–.08**	**126.40E–.07**	**39**	**3.6b**	**9**	**1-60**	
IDC	XII	29 11 38 41.9–1.9	0.98N	126.28E	0	3.7,3.5			¶602380836
ISCJB	XII	29 11 38 46.6–.85	1.07N–.09	126.41E–.07	39	3.5b,3.5			
DJA	XII	29 11 38 46.6–2.0	1N–6.0	126E–5.0	16–20	3.6,3.6			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**XII**	**29 21 39 22.6–2.1**	**2.12N**	**126.62E**	**0**	**3.4,3.2**			**¶602380857**
IDC	Error ellipse: s-maj=186.5km s-min=24.7km az=66.0.								
ISC	**XII**	**29 23 01 21.6–.46**	**0.94N–.09**	**125.65E–.09**	**35**	**5.0b**	**30**	**2-87**	
IDC	XII	29 23 01 14.8–1.2	1.88N	127.42E	0	4.1,4.1L			¶602064912
ISCJB	XII	29 23 01 19.9–.39	0.99N–.07	125.64E–.07	35	4.7b,4.5s			
NEIC	XII	29 23 01 21.5–.39	1.00N	125.67E	35	4.6b,4.5s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=94.1km s-min=17.8km az=71.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.0km s-min=6.7km az=137.6.								
NEIC	Event type se. Error ellipse: s-maj=15.1km s-min=6.9km az=56.0.								
IDC	**XII**	**30 06 12 35.6–2.0**	**0.53N**	**126.24E**	**0**	**3.6,3.4**			**¶602380878**
IDC	Error ellipse: s-maj=173.1km s-min=25.4km az=65.0.								
ISC	**XII**	**30 11 33 42.8–.44**	**1.57N–.03**	**126.65E–.04**	**64–3**	**5.1b**	**432**	**1-159**	
BJI	XII	30 11 33 37.8	1.17N	126.60E	63	5.3b,4.9s			¶602064929
IDC	XII	30 11 33 40.8–1.4	1.55N	126.54E	51–12	4.7,4.5			
MOS	XII	30 11 33 40.4–1.2	1.56N	126.44E	58	5.3b,4.5			
ISCJB	XII	30 11 33 41.3–.33	1.58N–.02	126.65E–.02	69–3	5.0b,4.5			
GCMT	XII	30 11 33 42.0–.20	1.59N–.01	126.37E–.02	53–1	5.3W,4.5			
DJA	XII	30 11 33 42.4–.30	2N–3.0	127E–2.0	53–3	5.4b,5.3			
NEIC	XII	30 11 33 43.0–.57	1.57N	126.59E	68–5	5.2b,5.3			
KLM	XII	30 11 33 43.0	1.61N	126.85E	73	5.1b,5.3			
ISC	Event type se.								
IDC	Error ellipse: s-maj=14.3km s-min=7.3km az=74.0.								
MOS	Error ellipse: s-maj=10.5km s-min=5.4km az=114.1.								
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=2.7km az=163.1.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c115; s86,c130;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.02 $M_{\theta\theta}$0.03±.02; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$-0.36±.02; $M_{\theta\phi}$-0.35±.02; $M_{\phi r}$-0.04±.02; Best double couple: NP1:ϕ_s219.00000°,δ54.00000°,λ117.00000°. NP2:ϕ_s358.00000°,δ44.00000°,λ58.00000°. Principal axes: T 0.9650,Plg68.0000° ,Azm188.0000°; N 0.0230,Plg22.0000°,Azm22.0000°; P -0.9880,Plg5.0000°,Azm290.0000° $M_0$0.97700×10^{17}								
NEIC	Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=63.0.								
IDC	**XII**	**30 14 58 48.9–2.0**	**2.60N**	**127.77E**	**0**	**3.8,3.6**			**¶602380898**
IDC	Error ellipse: s-maj=138.3km s-min=23.8km az=67.0.								
IDC	**XII**	**30 18 39 52.2–2.1**	**0.74N**	**126.59E**	**0**	**3.6,3.4**			**¶602380902**
IDC	Error ellipse: s-maj=165.8km s-min=27.2km az=66.0.								
IDC	**XII**	**31 16 17 10.1–1.9**	**2.08N**	**126.64E**	**0**	**3.4,3.3**			**¶602380503**
IDC	Error ellipse: s-maj=119.7km s-min=23.3km az=69.0.								
IDC	**XII**	**31 17 46 56.7–1.9**	**2.10N**	**126.74E**	**0**	**3.6,3.4**			**¶602380508**
IDC	Error ellipse: s-maj=117.1km s-min=23.9km az=69.0.								
IDC	**XII**	**31 22 26 18.4–2.0**	**1.68N**	**126.35E**	**0**	**3.5,3.3**			**¶602380520**
IDC	Error ellipse: s-maj=180.5km s-min=24.1km az=65.0.								

(267) Halmahera.

DJA	**VII**	**01 04 17 37.6–3.1**	**1N–18**	**127E–11**	**11–38**	**3.5,3.5**			**¶602027353**
ISC	**VII**	**03 19 53 36.1–.80**	**1.23N–.07**	**128.04E–.08**	**23**	**4.0b**	**25**	**1-70**	
IDC	VII	03 19 53 32.7–.94	1.50N	128.36E	0	3.8,3.8L			¶601532801
DJA	VII	03 19 53 34.0–1.7	1N–7.0	128E–18	10	3.6,3.6			
NEIC	VII	03 19 53 37.8–.99	1.43N	128.46E	37–11	4.7b,3.6			

ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=16.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=39.2km s-min=6.8km az=69.0.
ISC VII 04 01 17 26.2–1.5 1.4N–.10 127.3E–.30 35 3.8b 8 1-64
IDC VII 04 01 17 22.2–1.7 1.22N 126.57E 0 4.0,3.9 ¶601663457
ISCJB VII 04 01 17 24.6–1.1 1.4N–.10 127.1E–.30 35 3.7b,3.9
DJA VII 04 01 17 27.5–1.6 1N–9.0 127E–16 31–14 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VII 04 18 45 22.1–.82 1.15S–.06 129.28E–.05 20 3.6b 17 2-67
IDC VII 04 18 45 19.7–1.1 1.20S 129.16E 0 3.7,3.6 ¶601663486
ISCJB VII 04 18 45 22.0–.61 1.11S–.05 129.23E–.05 20 3.5b,3.6
DJA VII 04 18 45 23.0–1.2 1S–4.0 129E–2.0 18–10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 07 03 54 05.2–1.0 1.6N–.10 128.37E–.08 100 3.9b 16 1-74
ISCJB VII 07 03 54 03.6–.62 1.57N–.07 128.36E–.06 100 3.9b ¶601663571
DJA VII 07 03 54 03.3–.70 2N–7.0 128E–3.0 40–10 4.6b,4.3
IDC VII 07 03 54 06.9–2.3 1.88N 128.91E 116–24 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.3km az=28.0.
IDC Error ellipse: s-maj=64.3km s-min=13.1km az=65.0.
ISC VII 08 04 14 38.4–4.6 1.6N–.50 127.6E–.20 112 4.1b 7 1-36
IDC VII 08 04 14 21.2–11 2.35N 127.98E 0 4.2,4.1 ¶601664274
DJA VII 08 04 14 36.8–.90 1N–5.0 128E–6.0 110–8 6.4b,6.3b
ISC Event type ke.
IDC VII 09 08 20 31.6–1.8 0.64N 127.29E 0 4.0s,4.0
¶601664325
IDC Error ellipse: s-maj=171.7km s-min=21.2km az=67.0.
ISC VII 10 02 58 01.0–.83 2.55N–.09 128.32E–.07 150 4.1b 23 2-125
ISCJB VII 10 02 57 59.5–.63 2.64N–.06 128.29E–.05 150 4.1b ¶601664364
DJA VII 10 02 58 01.6–.80 3N–8.0 128E–4.0 142–6 4.5b,4.4b
IDC VII 10 02 58 03.4–2.6 2.57N 128.54E 176–27 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.1km az=15.2.
IDC Error ellipse: s-maj=49.8km s-min=12.9km az=74.0.
IDC VII 11 01 24 32.2–1.2 1.96S 127.33E 0 3.8,3.6
¶601664411
IDC Error ellipse: s-maj=33.6km s-min=22.0km az=59.0.
ISC VII 11 17 11 03.4–.71 1.48S–.04 127.43E–.05 25 3.7b 27 1-66
IDC VII 11 17 10 59.4–1.0 1.58S 127.39E 0 3.8,3.6L ¶601664437
ISCJB VII 11 17 11 02.4–.41 1.45S–.04 127.38E–.04 25 3.6b,3.6L
DJA VII 11 17 11 02.4–.30 1S–2.0 127E–2.0 11–3 4.8b,4.8b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 11 17 43 30.9–.50 1.61S–.04 127.47E–.05 25 4.2b 52 1-78
ISCJB VII 11 17 43 29.7–.29 1.46S–.04 127.45E–.03 25 4.5s,4.2b ¶601266286
DJA VII 11 17 43 30.4–.20 1S–2.0 127E–2.0 10 4.8b,4.6b
IDC VII 11 17 43 32.9–2.7 1.59S 127.46E 52–25 4.0,3.9
NEIC VII 11 17 43 34.6–2.3 1.58S 127.63E 68–24 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.1km az=32.3.
IDC Error ellipse: s-maj=19.6km s-min=9.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.8km az=90.0.
ISC VII 11 18 36 29.3–.71 1.88N–.07 127.19E–.07 63 3.9b 24 1-69
ISCJB VII 11 18 36 27.7–.53 1.95N–.05 127.19E–.06 63 4.0b ¶601664441
IDC VII 11 18 36 30.4–4.0 1.79N 127.16E 75–39 3.9,3.7
DJA VII 11 18 36 30.6–1.0 2N–8.0 127E–5.0 18–15 4.4b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 12 02 12 16.9–.70 1.55S–.04 127.55E–.08 25 3.9b 24 1-91
IDC VII 12 02 12 13.1–.90 1.47S 127.61E 0 3.9,3.8 ¶601664459
ISCJB VII 12 02 12 16.3–.55 1.50S–.04 127.51E–.06 25 3.8b,3.6s
DJA VII 12 02 12 17.6–.20 1S–2.0 128E–2.0 10 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 12 20 27 28.7–.77 1.98S–.06 127.33E–.06 35 3.7b,3.5s 20 1-93
IDC VII 12 20 27 23.5–.85 1.93S 127.33E 0 3.9,3.7 ¶601664501
ISCJB VII 12 20 27 27.9–.46 1.93S–.05 127.33E–.04 33 3.7b,3.3s
DJA VII 12 20 27 27.6–.30 2S–3.0 127E–3.0 10 4.7b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 14 12 46 39.7–.76 2.87N–.04 128.44E–.06 60–7 4.7b,3.7s 184 2-125
BJI VII 14 12 46 34.8 2.58N 128.73E 62 4.9b,4.7b ¶601273331
MOS VII 14 12 46 36.0–.93 2.97N 128.47E 45 5.0b,4.7b
ISCJB VII 14 12 46 37.0–.52 2.93N–.02 128.45E–.03 51–5 4.7b,3.7s
DJA VII 14 12 46 38.1–.70 3N–7.0 128E–4.0 10 5.1b,5.0b
NEIC VII 14 12 46 39.2–.62 2.87N 128.42E 60–6 4.8b,5.0b
IDC VII 14 12 46 39.0–1.3 2.89N 128.42E 55–11 4.6,4.4
ISC Event type se.
MOS Error ellipse: s-maj=14.0km s-min=7.3km az=100.1.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=164.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=80.0.
IDC Error ellipse: s-maj=18.5km s-min=7.3km az=69.0.
ISC VII 15 09 07 20.6–.56 2.85N–.08 128.4E–.10 35 4.3b 40 2-128
IDC VII 15 09 07 14.7–.82 2.84N 128.18E 0 4.1,4.0b ¶601484383
ISCJB VII 15 09 07 18.3–.37 2.91N–.05 128.41E–.09 33 4.2b,4.0b
DJA VII 15 09 07 19.6–1.5 3N–14 128E–7.0 10 4.8b,4.5b
NEIC VII 15 09 07 23.3–1.2 2.78N 128.26E 64–12 4.3b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=14.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=5.9km az=165.1.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=6.1km az=71.0.
IDC VII 15 12 20 41.8–1.9 1.98N 127.06E 0 3.7,3.5
¶601664625
IDC Error ellipse: s-maj=114.6km s-min=23.4km az=69.0.
IDC VII 17 03 44 34.2–1.9 1.85N 128.23E 0 3.6,3.5
¶601664702
IDC Error ellipse: s-maj=151.9km s-min=21.4km az=68.0.
IDC VII 21 03 27 16.6–1.8 1.28N 127.03E 0 4.0,3.8
¶601664900
IDC Error ellipse: s-maj=179.9km s-min=20.4km az=67.0.
IDC VII 21 23 26 58.6–10 2.56N 128.44E 128–93 3.7,3.5
¶601664935
IDC Error ellipse: s-maj=130.7km s-min=22.4km az=65.0.
IDC VII 22 03 55 12.3–2.1 1.96N 127.66E 0 3.8,3.6
¶601664945
IDC Error ellipse: s-maj=175.5km s-min=23.5km az=66.0.
IDC VII 22 18 45 42.4–1.6 1.72N 127.42E 0 3.6,3.5
¶601664987
IDC Error ellipse: s-maj=132.5km s-min=27.0km az=69.0.
ISC VII 23 19 04 43.3–.82 2.6N–.10 128.0E–.30 51 4.1b 12 23-92
ISCJB VII 23 19 04 41.8–.63 2.6N–.10 128.1E–.30 51 4.1b ¶601666331
IDC VII 23 19 04 52.7–10 2.52N 128.17E 141–104 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.8km s-min=12.1km az=167.2.
IDC Error ellipse: s-maj=41.6km s-min=14.6km az=83.0.
ISC VII 24 08 52 57.1–1.1 0.98S–.05 127.70E–.09 31 3.6b 12 0-66
IDC VII 24 08 52 52.9–1.8 1.08S 127.73E 0 3.5,3.5b ¶601666364
ISCJB VII 24 08 52 56.0–.79 1.01S–.05 127.76E–.08 31 3.5b,3.5b
DJA VII 24 08 52 55.9–.40 1S–2.0 128E–4.0 10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC VII 25 05 42 14.1–1.9 1.94N 127.27E 0 3.8,3.6
¶601666404
IDC Error ellipse: s-maj=182.8km s-min=21.0km az=67.0.
ISC VII 26 13 31 21.2–.54 2.45N–.04 128.58E–.06 230–5 4.7b 164 2-121
IDC VII 26 13 31 20.9–.68 2.42N 128.60E 229–6 4.8,4.3 ¶601473973
ISCJB VII 26 13 31 21.0–.36 2.49N–.03 128.58E–.04 242–4 4.6b,4.3
NEIC VII 26 13 31 21.7–.58 2.49N 128.63E 236–6 4.8b,4.3
BJI VII 26 13 31 23.5 2.39N 128.86E 280 4.5b,4.3b
DJA VII 26 13 31 23.3–.30 2N–3.0 128E–2.0 213–3 5.1,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 27 17 45 05.8–.99 2.8N–.20 128.7E–.60 250 3.4b 10 23-92
ISCJB VII 27 17 45 04.3–.81 2.8N–.20 128.6E–.50 250 3.4b ¶601666531
IDC VII 27 17 45 06.9–6.3 2.76N 128.64E 260–66 3.7,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=73.0km s-min=14.5km az=164.5.
IDC Error ellipse: s-maj=66.4km s-min=14.5km az=76.0.
ISC VII 29 01 30 07.2–.71 1.70N–.07 127.85E–.08 100 4.1b 25 1-86
IDC VII 29 01 29 59.4–.66 2.71N 128.86E 0 4.1,4.0b ¶601488082
NEIC VII 29 01 30 04.4–.38 2.72N 128.88E 35 4.3b,4.0b
DJA VII 29 01 30 05.9–.40 2N–3.0 128E–4.0 133–4 5.9b,5.5
ISC Event type se.
NEIC Event type se.
IDC VII 29 02 03 08.4–2.1 2.79N 128.87E 0 4.0s,4.0
¶601666600
IDC Error ellipse: s-maj=167.8km s-min=21.3km az=69.0.
IDC VII 29 03 47 40.7–2.1 1.44S 127.93E 0 3.4L,3.3
¶601666605
IDC Error ellipse: s-maj=157.9km s-min=25.9km az=67.0.
ISC VII 30 15 51 14.4–1.2 3.0N–.10 128.21E–.09 150 3.8b 19 2-63
IDC VII 30 15 50 57.1–1.4 3.28N 128.45E 0 4.0,3.9 ¶601529193
ISCJB VII 30 15 51 12.4–.69 3.06N–.07 128.24E–.07 150 3.8b,3.9
NEIC VII 30 15 51 12.6–1.9 3.08N 128.43E 137–15 4.0b,3.9
DJA VII 30 15 51 15.0–1.2 3N–12 128E–5.0 138–16 4.3b,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 31 15 09 49.9–1.6 1.64N 127.09E 0 3.8,3.7
¶601650832
IDC Error ellipse: s-maj=163.6km s-min=20.0km az=67.0.
ISC VIII 01 14 17 00.6–1.4 3.0N–.20 128.8E–.30 35 3.7b 8 5-64
IDC VIII 01 14 16 55.8–1.3 2.91N 128.48E 0 3.8,3.7 ¶601765315
ISCJB VIII 01 14 16 58.1–1.1 3.0N–.20 128.9E–.30 33 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 01 14 55 46.7–.84 2.9N–.10 128.7E–.30 35 3.9b 16 5-121
IDC VIII 01 14 55 41.8–.79 2.91N 128.37E 0 4.1,4.0 ¶601532033
NEIC VIII 01 14 55 46.9–.49 2.86N 128.35E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=14.8km az=73.0.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=9.1km az=77.0.
ISC VIII 02 00 25 39.3–.70 2.8N–.10 128.8E–.20 35 3.9b 27 4-83
IDC VIII 02 00 25 34.5–.85 2.87N 128.65E 0 4.0,3.9 ¶601551749
ISCJB VIII 02 00 25 37.2–.44 2.90N–.08 128.9E–.10 33 3.9b,3.5s
NEIC VIII 02 00 25 39.6–.49 2.86N 128.66E 35 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=15.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=6.4km az=150.3.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=8.3km az=77.0.
ISC VIII 02 08 21 06.3–.81 3.0N–.10 128.8E–.30 35 3.9b 11 5-84
IDC VIII 02 08 21 01.4–.79 2.94N 128.42E 0 4.0,3.8 ¶601765340
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=14.9km az=74.0.
IDC VIII 05 02 21 17.1–2.4 0.50S 129.23E 0 3.4,3.4L
¶601765479
IDC Error ellipse: s-maj=149.4km s-min=28.9km az=69.0.
IDC VIII 05 17 34 24.1–7.2 2.72N 128.07E 59–81 3.4,3.3
¶601765506
IDC Error ellipse: s-maj=104.3km s-min=28.5km az=69.0.
ISC VIII 06 18 55 13.4–.29 2.74N–.03 128.30E–.04 212–2 5.3b 714 2-171
BJI VIII 06 18 55 06.7 2.17N 128.93E 216 5.4b,5.2b ¶601521140
ISCJB VIII 06 18 55 12.0–.28 2.74N–.02 128.44E–.02 214–2 5.2b,5.2b
MOS VIII 06 18 55 12.2–1.0 2.70N 128.36E 218 5.2b,5.2b
IDC VIII 06 18 55 13.8–.70 2.73N 128.40E 215–6 5.3,4.8
DJA VIII 06 18 55 13.3–.20 3N–2.0 128E–2.0 202–2 5.5,5.5b
NEIC VIII 06 18 55 13.5–.13 2.70N 128.43E 214 5.4b,5.5b
GCMT VIII 06 18 55 13.5–.20 2.82N–.01 128.41E–.02 204–1 5.2W,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c76; s93,c150;Duration: 1$^{9}_{0}$
Moment tensor: Scale 10^{16}Nm; M_{rr}1.77±.18 $M_{\theta\theta}$-1.61±.18; $M_{\phi\phi}$-0.15±.22; $M_{r\theta}$-4.33±.14; $M_{\theta\phi}$-1.60±.19; $M_{\phi r}$-6.12±.17; Best double couple: NP1:ϕ_s216.00000°,δ83.00000°,λ81.00000°. NP2:ϕ_s86.00000°,δ11.00000°,λ140.00000°. Principal axes: T 7.6350,Plg52.0000° ,Azm116.0000°; N 0.4160,Plg9.0000°,Azm217.0000°; P -8.0500,Plg37.0000°,Azm313.0000° $M_0$7.84300×10^{16}
ISC VIII 06 23 13 54.6–.42 1.55N–.06 128.71E–.06 61 4.5b 88 2-125
IDC VIII 06 23 13 47.3–.54 1.80N 128.64E 0 4.2,4.1 ¶601529208
BJI VIII 06 23 13 48.8 0.68N 128.95E 77 5.1b,4.7s
DJA VIII 06 23 13 52.2–.60 2N–5.0 129E–3.0 10 5.0b,4.8b
ISCJB VIII 06 23 13 53.4–.28 1.69N–.04 128.73E–.04 61 4.5b,4.8b
NEIC VIII 06 23 13 53.5–.82 1.30N 128.82E 71–8 4.7b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=11.6km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=160.4.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.3km az=194.0.
ISC VIII 08 23 23 09.5–1.3 3.0N–.20 129.0E–.40 35 3.7b 8 4-72
IDC VIII 08 23 23 04.8–1.2 2.94N 128.64E 0 4.0,3.9s ¶601765676
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=16.8km az=69.0.
DJA VIII 09 17 04 06.4–.40 2S–5.0 127E–3.0 10 4.3b,3.7
¶602028279
DJA VIII 11 11 45 14.2–3.6 0S–4.0 129E–3.0 39–44 4.1,4.1
¶602028318
ISC VIII 12 22 55 40.6–.60 1.30N–.07 127.14E–.09 103 4.3b 53 1-124
IDC VIII 12 22 55 29.3–1.0 1.40N 126.91E 0 4.1,4.1b ¶601554147
ISCJB VIII 12 22 55 39.0–.39 1.34N–.05 127.10E–.06 103 4.2b,4.1b
NEIC VIII 12 22 55 38.7–.63 1.37N 127.14E 81–6 4.4b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=21.1km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.7km az=9.1.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.6km az=68.0.
ISC VIII 16 03 49 08.5–1.3 2.9N–.20 128.9E–.40 35 3.8b 8 4-69
IDC VIII 16 03 49 03.8–1.3 2.94N 128.72E 0 3.8,3.7 ¶601765917
ISCJB VIII 16 03 49 06.1–.98 3.0N–.20 129.0E–.30 33 3.6b,2.8s
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 16 11 58 08.8–2.3 2.15N 128.05E 0 3.5,3.3
¶601765940
IDC Error ellipse: s-maj=143.5km s-min=28.6km az=67.0.
ISC VIII 17 15 59 48.5–.99 1.54N–.05 127.05E–.07 35 3.7b 18 1-64
IDC VIII 17 15 59 42.4–1.7 0.99N 126.03E 0 3.8,3.6 ¶601765998
ISCJB VIII 17 15 59 48.5–.62 1.58N–.04 127.03E–.06 35 3.6b,3.6
DJA VIII 17 15 59 48.4–.50 1N–3.0 127E–3.0 13–5 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 15 31 44.6–.34 2.61N–.03 128.73E–.03 43–2 5.5s,5.4b 978 2-171
IDC VIII 18 15 31 38.1–.28 2.65N 128.55E 0 5.2,5.2 ¶601565613
NEIC VIII 18 15 31 40.1–.13 2.65N 128.70E 10 5.8W,5.8W
ISCJB VIII 18 15 31 42.6–.32 2.62N–.01 128.73E–.02 41–2 5.4s,5.3b
MOS VIII 18 15 31 42.0–1.1 2.65N 128.68E 38 5.7b,5.3s
BJI VIII 18 15 31 43.9 2.60N 128.70E 57 5.7b,5.7s
NEIC VIII 18 15 31 44.0–.00 2.60N 128.69E 25 5.7b,5.7s
GCMT VIII 18 15 31 45.1–.10 2.75N–.01 128.73E–.01 13–0 5.8W,5.7s
DJA VIII 18 15 31 45.2–.20 3N–2.0 129E–1.0 50–2 6.2b,5.9
KLM VIII 18 15 31 52.0 3.01N 128.73E 117 5.9b,5.9
ISC Event type fe.

IDC Error ellipse: s-maj=9.4km s-min=6.5km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=70.0. Felt [IV] at Tobelo. Also felt on Pulau Ternate. Depth from synthetics of broadband displacement seismograms. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.78 $M_{\theta\theta}$3.29 $M_{\phi\phi}$0.49 $M_{r\theta}$2.79 $M_{\theta\phi}$-2.10 $M_{\phi r}$-3.42 Best double couple: NP1:ϕ_s315.00000°,δ69.00000°,λ-76.00000°. NP2: ϕ_s100.00000°,δ25.00000°,λ-123.00000°. Principal axes: T 6.1600,Plg23.0000°,Azm34.0000° ; N -0.2300,Plg13.0000°,Azm130.0000°; P -5.9300,Plg63.0000°,Azm247.0000° $M_0$6.00000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s149.00000°,δ31.00000°,λ-73.00000°. NP2:ϕ_s310.00000°,δ60.00000°,λ-100.00000°. Principal axes: T Plg14.0000°,Azm47.0000°; N Plg0.0000°,Azm0.0000°; P Plg73.0000° ,Azm195.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=160.1.
MOS Error ellipse: s-maj=7.9km s-min=4.3km az=116.7.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.75 $M_{\theta\theta}$1.64 $M_{r\theta}$2.12 $M_{r\theta}$4.54 $M_{\theta\phi}$-1.90 $M_{\phi r}$-3.01 Best double couple: NP1:ϕ_s306.00000° ,δ73.00000°,λ-97.00000°. NP2:ϕ_s150.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 6.5600,Plg27.0000°,Azm42.0000°; N 0.1300,Plg6.0000°,Azm308.0000° ; P -6.6900,Plg61.0000°,Azm205.0000° $M_0$6.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c259; s140,c387; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.50±.05 $M_{\theta\theta}$2.95±.04; $M_{\phi\phi}$1.56±.04; $M_{r\theta}$3.94±.14; $M_{\theta\phi}$-2.74±.03; $M_{\phi r}$-2.81±.13; Best double couple: NP1:ϕ_s306.00000°,δ68.00000° ,λ-92.00000°. NP2:ϕ_s130.00000°,δ22.00000°,λ-86.00000°. Principal axes: T 7.0980,Plg23.0000°,Azm37.0000°; N -0.5670,Plg1.0000°,Azm307.0000° ; P -6.5220,Plg67.0000°,Azm213.0000° $M_0$6.81000×10^{17}

IDC	**VIII**	**18 15 40 08.5–1.6**	**2.79N**	**128.90E**	**0**	**3.9,3.8b**			
									¶601766070
IDC		Error ellipse: s-maj=118.5km s-min=20.2km az=66.0.							
IDC	**VIII**	**18 15 42 15.1–2.9**	**2.43N**	**129.09E**	**0**	**3.5,3.3**			
									¶601766071
IDC		Error ellipse: s-maj=217.3km s-min=24.9km az=69.0.							
ISC	**VIII**	**18 15 43 40.6–.58**	**2.59N–.09**	**128.8E–.10**	**35**	**4.0b**	**33**	**4-92**	
IDC	VIII	18 15 43 35.8–.69	2.64N	128.73E	0	4.1,4.0			**¶601738902**
NEIC	VIII	18 15 43 37.3–.47	2.65N	128.68E	10	4.0b,4.0			
ISCJB	VIII	18 15 43 38.7–.38	2.63N–.06	128.92E–.09	33	4.0b,4.0			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**VIII**	**18 15 54 45.2–2.6**	**2.71N**	**128.89E**	**0**	**3.6,3.4**			
									¶601766072
IDC		Error ellipse: s-maj=222.4km s-min=21.6km az=69.0.							
ISC	**VIII**	**18 16 13 40.3–.95**	**2.67N–.08**	**128.80E–.09**	**10**	**4.0b**	**14**	**2-83**	
IDC	VIII	18 16 13 39.1–1.1	2.75N	128.87E	0	4.1,4.1s			**¶601766073**
DJA	VIII	18 16 13 47.1–2.7	3N–12	129E–23	10	4.3,4.3			
ISC	Event type ke.								
ISC	**VIII**	**18 16 23 36.3–1.3**	**2.7N–.20**	**129.1E–.30**	**35**	**3.6b**	**8**	**4-69**	
IDC	VIII	18 16 23 31.8–1.3	2.62N	128.69E	0	3.6,3.5			**¶601766075**
ISCJB	VIII	18 16 23 34.0–.95	2.7N–.20	129.1E–.30	33	3.4b,3.5			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**18 16 26 01.6–1.2**	**2.47N**	**128.43E**	**0**	**3.7,3.6**			
									¶601766076
IDC		Error ellipse: s-maj=91.5km s-min=18.0km az=65.0.							
ISC	**VIII**	**18 16 59 02.1–.85**	**2.68N–.08**	**129.0E–.10**	**35**	**3.8b**	**14**	**2-69**	
IDC	VIII	18 16 58 57.2–.95	2.64N	128.72E	0	3.8,3.7b			**¶601766083**
DJA	VIII	18 16 58 58.6–.80	3N–7.0	129E–5.0	10	3.8,3.8			
ISCJB	VIII	18 16 58 60.0–.60	2.71N–.06	129.01E–.09	35	3.8b,3.7s			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**18 17 02 28.1–2.1**	**2.68N**	**128.90E**	**0**	**3.3,3.2**			
									¶601766084
IDC		Error ellipse: s-maj=167.1km s-min=21.7km az=69.0.							
ISC	**VIII**	**18 17 27 41.1–.89**	**2.59N–.08**	**129.07E–.08**	**35**	**4.0b**	**22**	**2-70**	
IDC	VIII	18 17 27 37.0–2.1	2.39N	128.03E	0	4.0,3.8			**¶601766087**
NEIC	VIII	18 17 27 37.2–.40	2.71N	129.00E	10	4.1b,3.8			
ISCJB	VIII	18 17 27 38.7–.52	2.73N–.05	129.08E–.08	35	4.1b,3.8			
DJA	VIII	18 17 27 39.1–1.0	2N–9.0	129E–7.0	10	3.9,3.9			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**18 18 53 09.1–.91**	**2.6N–.10**	**128.97E–.10**	**35**	**4.3b**	**23**	**2-69**	
IDC	VIII	18 18 53 03.3–1.3	2.70N	128.84E	0	3.9,3.8			**¶601766092**
NEIC	VIII	18 18 53 04.7–.48	2.73N	129.08E	10	4.5b,3.8			
ISCJB	VIII	18 18 53 06.3–.52	2.71N–.07	129.00E–.09	35	4.2b,3.8			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**18 19 18 15.8–.76**	**2.7N–.10**	**129.0E–.10**	**35**	**4.1b**	**36**	**2-69**	
IDC	VIII	18 19 18 10.8–1.0	2.75N	129.01E	0	4.0,3.9			**¶601766095**
NEIC	VIII	18 19 18 12.3–.35	2.74N	129.02E	10	4.5b,3.9			
ISCJB	VIII	18 19 18 13.9–.49	2.76N–.07	129.0E–.10	35	4.0b,3.9			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**VIII**	**18 19 19 19.9–2.9**	**2.46N**	**128.11E**	**0**	**3.4,3.3**			
									¶601766096
IDC		Error ellipse: s-maj=261.2km s-min=25.1km az=68.0.							
IDC	**VIII**	**18 19 34 48.9–2.4**	**2.64N**	**128.44E**	**0**	**3.5,3.3**			
									¶601766099
IDC		Error ellipse: s-maj=211.4km s-min=21.9km az=69.0.							
IDC	**VIII**	**18 20 05 46.1–2.3**	**2.69N**	**128.70E**	**0**	**3.5,3.4**			
									¶601766100
IDC		Error ellipse: s-maj=192.0km s-min=21.7km az=69.0.							
IDC	**VIII**	**18 21 29 22.4–4.4**	**2.31N**	**128.35E**	**110–32**	**3.3,3.1**			
									¶601766108
IDC		Error ellipse: s-maj=173.8km s-min=17.8km az=69.0.							
ISC	**VIII**	**18 23 43 46.2–.66**	**0.62N–.09**	**128.88E–.07**	**10**	**4.3b**	**22**	**2-91**	
ISCJB	VIII	18 23 43 44.4–.46	0.65N–.07	128.82E–.05	10	4.2b,3.0s			**¶601667492**
IDC	VIII	18 23 43 44.9–.92	0.69N	128.90E	0	4.2,4.0			
DJA	VIII	18 23 43 47.1–.50	0N–6.0	129E–5.0	10	4.7b,4.5b			
NEIC	VIII	18 23 43 49.5–.45	0.65N	128.99E	35	4.3b,4.5b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=31.9.								
IDC	Error ellipse: s-maj=35.6km s-min=16.4km az=58.0.								
NEIC	Event type se. Error ellipse: s-maj=17.1km s-min=8.3km az=79.0.								
IDC	**VIII**	**19 00 26 36.5–1.0**	**2.72N**	**128.90E**	**0**	**3.9,3.7**			
									¶601766124
IDC		Error ellipse: s-maj=68.9km s-min=20.3km az=72.0.							
IDC	**VIII**	**19 07 16 30.9–1.5**	**1.95N**	**127.71E**	**0**	**4.1,4.0**			
									¶601766135
IDC		Error ellipse: s-maj=96.4km s-min=18.7km az=70.0.							
ISC	**VIII**	**19 19 47 26.9–.79**	**2.68N–.08**	**128.9E–.10**	**35**	**3.9b**	**22**	**2-85**	
IDC	VIII	19 19 47 21.4–.86	2.65N	128.74E	0	3.9,3.8			**¶601766163**
ISCJB	VIII	19 19 47 23.8–.60	2.76N–.06	129.02E–.07	33	3.9b,2.8s			
DJA	VIII	19 19 47 29.2–2.4	3N–11	129E–19	10	4.8b,4.4			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**19 20 24 24.5–1.4**	**2.8N–.40**	**129.2E–.80**	**44**	**3.5b**	**7**	**4-69**	
IDC	VIII	19 20 24 18.4–1.7	2.92N	129.12E	0	3.6,3.5			**¶601766164**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=142.2km s-min=19.1km az=67.0.								
ISC	**VIII**	**19 22 14 43.1–1.3**	**2.7N–.40**	**129.0E–.60**	**44**	**3.3b**	**7**	**4-69**	
IDC	VIII	19 22 14 37.2–1.5	2.86N	128.91E	0	3.5,3.4			**¶601766167**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=126.7km s-min=17.9km az=67.0.								
IDC	**VIII**	**20 11 33 53.4–2.8**	**2.01N**	**128.27E**	**0**	**3.6,3.5**			
									¶601766191
IDC		Error ellipse: s-maj=211.4km s-min=27.5km az=68.0.							
ISC	**VIII**	**20 21 45 33.0–.38**	**2.65N–.05**	**129.04E–.06**	**35**	**4.5b,3.4s**	**125**	**3-125**	
ISCJB	VIII	20 21 45 31.5–.23	2.68N–.03	128.95E–.03	35	4.5b,3.5s			**¶601589471**
BJI	VIII	20 21 45 33.0	2.54N	128.81E	47	4.8b,4.5b			
IDC	VIII	20 21 45 34.0–2.4	2.63N	128.86E	44–24	4.3,4.2L			
NEIC	VIII	20 21 45 34.8–.83	2.65N	128.95E	54–8	4.6b,4.2L			
DJA	VIII	20 21 45 36.5–.30	2N–3.0	129E–2.0	10	5.0b,4.7			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**VIII**	**21 00 17 15.0–.45**	**2.71N–.05**	**128.97E–.07**	**35**	**4.3b,3.3s**	**61**	**2-125**	
ISCJB	VIII	21 00 17 13.1–.32	2.73N–.03	128.99E–.04	35	4.4b,3.2s			**¶601606002**
DJA	VIII	21 00 17 13.8–1.0	3N–4.0	129E–4.0	14–8	4.7b,4.7b			
BJI	VIII	21 00 17 15.6	2.60N	128.90E	50	4.7b,4.7b			
IDC	VIII	21 00 17 17.0–3.2	2.64N	128.81E	55–30	4.3,4.1b			
NEIC	VIII	21 00 17 17.1–1.2	2.64N	128.88E	57–10	4.2b,4.1b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=160.9.								
IDC	Error ellipse: s-maj=25.0km s-min=13.9km az=80.0.								
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=58.0.								
IDC	**VIII**	**21 00 22 05.0–3.8**	**2.87N**	**129.37E**	**91–37**	**3.8,3.6**			
									¶601766227
IDC		Error ellipse: s-maj=62.2km s-min=17.7km az=70.0.							
IDC	**VIII**	**21 01 36 26.6–2.1**	**2.69N**	**128.54E**	**0**	**3.6,3.5**			
									¶601766228
IDC		Error ellipse: s-maj=108.6km s-min=25.1km az=71.0.							
ISC	**VIII**	**21 12 38 09.5–1.3**	**2.7N–.40**	**128.9E–.60**	**35**	**3.7b**	**7**	**4-64**	
IDC	VIII	21 12 38 04.5–1.3	2.72N	128.73E	0	3.7,3.6			**¶601766255**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=108.8km s-min=18.0km az=66.0.								
ISC	**VIII**	**21 14 10 26.9–1.9**	**2.8N–.20**	**129.1E–.50**	**35**	**3.5b**	**7**	**21-69**	
IDC	VIII	21 14 10 21.4–1.5	2.95N	129.25E	0	3.7,3.6			**¶601766256**
ISCJB	VIII	21 14 10 24.9–1.4	2.8N–.20	129.0E–.40	33	3.5b,3.6			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**21 14 43 05.8–.63**	**2.64N–.07**	**128.93E–.08**	**35**	**4.0b**	**42**	**2-125**	
IDC	VIII	21 14 43 00.3–.73	2.66N	128.84E	0	3.9,3.8			**¶601653003**
ISCJB	VIII	21 14 43 03.6–.40	2.75N–.04	129.01E–.06	35	3.9b,2.7s			
NEIC	VIII	21 14 43 07.0–1.1	2.66N	128.94E	50–10	4.1b,2.7s			
DJA	VIII	21 14 43 24.3–.90	2N–4.0	128E–7.0	10–3	4.7b,4.5b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
IDC	**VIII**	**21 16 51 43.3–1.5**	**2.79N**	**128.98E**	**0**	**3.8,3.6**			
									¶601766262
IDC		Error ellipse: s-maj=73.8km s-min=17.5km az=70.0.							
ISC	**VIII**	**22 00 54 20.7–.98**	**2.75N–.09**	**129.0E–.10**	**44**	**4.0b**	**17**	**3-85**	
IDC	VIII	22 00 54 14.3–.96	2.91N	129.16E	0	4.0,3.8b			**¶601735783**
ISCJB	VIII	22 00 54 19.0–.68	2.77N–.07	128.89E–.09	44	3.9b,2.8s			
NEIC	VIII	22 00 54 19.5–.68	2.86N	129.13E	35	4.1b,2.8s			
DJA	VIII	22 00 54 21.9–2.5	3N–11	129E–20	10	4.4b,4.2			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**VIII**	**22 17 30 46.8–1.3**	**0.5N–.10**	**128.54E–.08**	**10**	**3.6b**	**8**	**1-65**	
DJA	VIII	22 17 30 43.5–1.0	0N–4.0	127E–7.0	188–9	3.0,3.0			**¶601766316**
ISCJB	VIII	22 17 30 45.5–.87	0.67N–.08	128.64E–.06	10	3.5b,3.4s			
IDC	VIII	22 17 30 45.7–1.1	0.56N	128.57E	0	3.7,3.5b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.3km s-min=8.0km az=9.7.								
IDC	Error ellipse: s-maj=48.5km s-min=18.7km az=55.0.								
ISC	**VIII**	**22 17 48 55.3–1.3**	**2.7N–.40**	**128.9E–.60**	**35**	**3.7b**	**7**	**4-69**	
IDC	VIII	22 17 48 50.4–1.5	2.69N	128.80E	0	3.6,3.6b			**¶601766318**
ISCJB	VIII	22 17 48 53.1–1.0	2.8N–.30	129.1E–.50	35	3.5b,3.6b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**22 18 41 01.4–1.2**	**2.76N–.09**	**128.94E–.08**	**10**	**3.8b**	**25**	**3-64**	
ISCJB	VIII	22 18 40 59.6–.71	2.81N–.06	128.91E–.05	10	3.7b			**¶601766322**
IDC	VIII	22 18 40 60.0–1.3	2.64N	128.56E	0	3.9,3.8			
DJA	VIII	22 18 41 03.0–.50	3N–4.0	129E–3.0	10	5.1b,4.5			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**23 18 54 02.2–.59**	**2.72N–.06**	**128.59E–.08**	**200**	**4.1b**	**36**	**2-92**	
ISCJB	VIII	23 18 54 02.0–.48	2.88N–.04	128.55E–.06	200	4.0b			**¶601614693**
IDC	VIII	23 18 54 05.2–1.6	2.52N	128.66E	242–16	4.3,3.8			
DJA	VIII	23 18 54 07.6–.80	3N–5.0	128E–6.0	197–5	4.4,4.2			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**23 19 56 27.8–1.8**	**2.64N**	**128.55E**	**0**	**3.4,3.2**			
									¶601766366
IDC		Error ellipse: s-maj=119.9km s-min=23.2km az=64.0.							
IDC	**VIII**	**24 12 20 05.5–1.6**	**1.62N**	**127.31E**	**0**	**3.8L,3.7**			
									¶601766399
IDC		Error ellipse: s-maj=112.0km s-min=19.2km az=70.0.							
IDC	**VIII**	**24 13 41 45.3–2.5**	**2.85N**	**129.25E**	**0**	**3.5,3.4**			
									¶601766401
IDC		Error ellipse: s-maj=192.0km s-min=21.3km az=70.0.							
ISC	**VIII**	**24 21 19 44.0–.56**	**2.64N–.07**	**128.84E–.09**	**35**	**4.0b**	**27**	**2-125**	
IDC	VIII	24 21 19 38.9–.68	2.64N	128.69E	0	4.0,3.9			**¶601683835**
ISCJB	VIII	24 21 19 42.0–.40	2.66N–.05	128.87E–.06	35	4.0b,3.9			
DJA	VIII	24 21 19 42.5–1.0	3N–9.0	129E–7.0	10	4.7b,4.6b			
NEIC	VIII	24 21 19 44.5–2.8	2.64N	128.77E	40–28	4.2b,4.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.4km s-min=13.2km az=76.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=159.2.								
NEIC	Event type se. Error ellipse: s-maj=12.8km s-min=6.7km az=85.0.								
ISC	**VIII**	**26 23 06 15.0–.85**	**2.67N–.05**	**128.89E–.05**	**65–7**	**4.9b**	**267**	**2-158**	
BJI	VIII	26 23 06 08.2	2.16N	129.17E	51	5.2b,4.8b			**¶601626722**
MOS	VIII	26 23 06 10.8–.90	2.69N	128.79E	42	5.2b,4.8b			
ISCJB	VIII	26 23 06 11.5–.63	2.70N–.03	128.89E–.03	46–6	4.8b,3.9s			
DJA	VIII	26 23 06 11.4–.20	3N–2.0	129E–2.0	10	5.3b,5.2			
IDC	VIII	26 23 06 13.1–1.6	2.63N	128.82E	51–15	4.6,4.5L			
NEIC	VIII	26 23 06 14.3–.67	2.63N	128.80E	58–6	5.0b,4.5L			
ISC	Event type se.								
MOS	Error ellipse: s-maj=11.1km s-min=5.6km az=114.8.								
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=43.5.								
IDC	Error ellipse: s-maj=14.3km s-min=8.6km az=69.0.								
NEIC	Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=67.0.								
ISC	**VIII**	**27 06 02 19.0–.83**	**2.71N–.09**	**128.9E–.10**	**35**	**3.9b**	**15**	**2-85**	
IDC	VIII	27 06 02 13.6–.91	2.88N	129.00E	0	3.9,3.7			**¶601766545**
ISCJB	VIII	27 06 02 16.5–.66	2.79N–.07	128.92E–.09	33	3.7b,3.7			
DJA	VIII	27 06 02 29.9–1.7	2N–8.0	128E–9.0	16–7	5.3b,4.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**27 07 32 34.3–1.0**	**2.58N–.10**	**128.8E–.10**	**35**	**3.7b**	**12**	**2-85**	
IDC	VIII	27 07 32 29.2–1.1	2.74N	128.84E	0	3.8,3.7			**¶601766554**
DJA	VIII	27 07 32 31.3–2.9	3N–7.0	129E–8.0	13–21	4.9b,4.4b			
ISCJB	VIII	27 07 32 32.4–.79	2.60N–.08	128.82E–.08	35	3.6b,4.4b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**27 14 16 11.9–1.4**	**2.7N–.10**	**128.8E–.10**	**35**	**3.4b**	**8**	**2-64**	
DJA	VIII	27 14 15 43.5–2.5	5N–21	129E–13	10	4.7b,4.2			**¶601766570**
IDC	VIII	27 14 16 07.1–1.4	2.71N	128.65E	0	3.5,3.3			
ISCJB	VIII	27 14 16 09.7–1.0	2.80N–.10	128.9E–.10	35	3.6b,3.3			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**27 17 07 52.2–1.6**	**0.73S**	**127.35E**	**0**	**3.6,3.5L**			
									¶601766576
IDC		Error ellipse: s-maj=46.8km s-min=26.6km az=61.0.							
IDC	**VIII**	**28 21 54 12.1–1.7**	**1.56N**	**127.34E**	**0**	**3.5,3.4**			
									¶601755532
IDC		Error ellipse: s-maj=115.6km s-min=20.0km az=70.0.							
IDC	**VIII**	**30 12 16 58.3–1.9**	**1.95S**	**128.66E**	**0**	**3.5,3.3**			
									¶601755615
IDC		Error ellipse: s-maj=91.0km s-min=24.7km az=71.0.							

DJA	VIII	**31 16 21 09.5–1.4**	**2S–3.0**	**128E–3.0**	**34–23**	**3.6,3.6**		
								¶602028861
ISC	IX	**04 10 40 53.3–1.0**	**1.16S–.07**	**127.4E–.10**	**31**	**3.8b**	**10**	**1-66**
IDC	IX	04 10 40 49.2–2.1	0.89S	128.00E	0	3.5,3.5b		**¶601862920**
DJA	IX	04 10 40 51.6–.40	1S–2.0	127E–3.0	10	3.0,3.0		
ISCJB	IX	04 10 40 52.2–.90	1.21S–.05	127.51E–.10	31	3.5b,3.0		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	IX	**05 12 17 16.1–1.1**	**1.26N**	**128.27E**	**0**	**3.4,3.3**		
								¶601862983
IDC		Error ellipse: s-maj=60.1km s-min=18.9km az=57.0.						
DJA	IX	**07 11 20 53.5–.60**	**1N–3.0**	**128E–6.0**	**10**	**3.4,3.4**		
								¶602029356
ISC	IX	**07 12 30 31.9–.33**	**2.44N–.03**	**128.20E–.03**	**167–2**	**5.1b**	**620**	**2-167**
BJI	IX	07 12 30 26.4	2.11N	128.60E	164	5.0b,4.9b		**¶601692022**
ISCJB	IX	07 12 30 30.4–.30	2.48N–.02	128.27E–.02	166–2	5.0b,4.9b		
KLM	IX	07 12 30 30.0	2.55N	128.59E	147	5.3b,4.9b		
IDC	IX	07 12 30 31.3–.49	2.47N	128.22E	161–4	5.0,4.6		
GCMT	IX	07 12 30 31.7–.20	2.59N–.01	128.23E–.01	157–1	5.1W,4.6		
NEIC	IX	07 12 30 31.7–.52	2.46N	128.24E	165–5	5.3b,4.6		
MOS	IX	07 12 30 32.1–.95	2.49N	128.18E	182	5.1b,4.6		
DJA	IX	07 12 30 33.7–.20	2N–2.0	128E–1.0	146–2	5.8b,5.6		
ISC		Event type fe.						
ISCJB		Event type fe.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c102; s118,c183;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.47±.12 $M_{\theta\theta}$-4.08±.14; $M_{\phi\phi}$-0.38±.15; $M_{r\theta}$3.09±.10; $M_{\theta\phi}$0.79±.14; $M_{\phi r}$-3.63±.11; Best double couple: NP1:ϕ_s127.00000°,δ69.00000°,λ107.00000°. NP2:ϕ_s267.00000°,δ26.00000°,λ53.00000°. Principal axes: T 6.9370,Plg62.0000° ,Azm62.0000°; N -1.0870,Plg15.0000°,Azm301.0000°; P -5.8450,Plg23.0000° ,Azm204.0000° $M_0$6.39100×10^{16}						
NEIC		Event type fe. Felt at Manado.						
IDC	IX	**09 07 12 14.4–12**	**2.59N**	**128.18E**	**110–115**	**4.1,3.8**		
								¶601863217
IDC		Error ellipse: s-maj=151.1km s-min=19.1km az=65.0.						
ISC	IX	**09 20 58 09.1–.66**	**1.97S–.05**	**128.14E–.05**	**33**	**4.0b**	**27**	**1-63**
ISCJB	IX	09 20 58 08.2–.40	1.87S–.05	128.10E–.03	33	4.1b		**¶601863261**
DJA	IX	09 20 58 10.1–.40	2S–2.0	128E–2.0	39–11	4.8b,4.6b		
IDC	IX	09 20 58 13.3–5.0	2.01S	128.34E	70–52	4.2L,4.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=178.7.						
IDC		Error ellipse: s-maj=41.6km s-min=14.8km az=96.0.						
ISC	IX	**12 17 31 55.6–.80**	**2.11N–.07**	**128.87E–.08**	**40**	**3.7b**	**16**	**2-70**
IDC	IX	12 17 31 50.3–.91	2.07N	128.53E	0	3.6,3.6		**¶601863423**
ISCJB	IX	12 17 31 53.6–.65	2.13N–.06	128.88E–.06	40	3.6b,3.6		
DJA	IX	12 17 31 53.2–.70	2N–6.0	129E–4.0	10	4.5b,4.2		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	IX	**12 17 34 56.9–.83**	**2.10N–.08**	**128.86E–.07**	**40**	**3.7b**	**15**	**2-82**
IDC	IX	12 17 34 51.6–1.0	2.07N	128.57E	0	3.7,3.6		**¶601863424**
ISCJB	IX	12 17 34 54.9–.70	2.15N–.07	128.91E–.06	40	3.5b,3.6		
DJA	IX	12 17 34 54.2–.70	2N–6.0	129E–4.0	10	5.0b,5.0b		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	IX	**12 18 56 31.3–.72**	**2.07N–.08**	**128.8E–.10**	**40**	**3.8b,3.3s**	**21**	**2-94**
IDC	IX	12 18 56 25.7–.73	2.08N	128.61E	0	3.8,3.7		**¶601712964**
DJA	IX	12 18 56 28.4–.90	2N–8.0	129E–6.0	10	4.9b,4.7b		
ISCJB	IX	12 18 56 29.1–.52	2.08N–.05	128.84E–.06	40	3.8b,3.4s		
ISC		Event type ke.						
ISCJB		Event type ke.						
DJA	IX	**13 16 12 37.1–.60**	**2N–4.0**	**127E–4.0**	**126–8**	**3.9b,3.9**		
								¶602029798
ISC	IX	**14 18 59 23.2–.82**	**1.28S–.05**	**127.08E–.05**	**10**	**3.3b**	**23**	**1-65**
IDC	IX	14 18 59 20.7–1.4	1.45S	126.96E	0	3.4,3.3		**¶601863544**
ISCJB	IX	14 18 59 22.2–.44	1.28S–.03	127.06E–.04	10	3.3b,3.3		
DJA	IX	14 18 59 23.5–.30	1S–2.0	127E–2.0	10–3	5.0b,4.3b		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	IX	**17 01 29 48.9–7.4**	**2.54N**	**128.12E**	**65–68**	**3.8,3.7**		
								¶601863685
IDC		Error ellipse: s-maj=102.5km s-min=48.1km az=57.0.						
ISC	IX	**18 15 12 18.2–1.2**	**1.41N–.09**	**128.88E–.06**	**35**	**2.8b**	**12**	**2-61**
IDC	IX	18 15 12 13.2–1.5	1.50N	128.78E	0	3.4L,3.3		**¶601863764**
ISCJB	IX	18 15 12 16.2–.95	1.46N–.09	128.91E–.06	35	3.1b,3.3		
DJA	IX	18 15 12 16.7–2.3	1N–6.0	129E–4.0	23–25	3.3,3.3		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	IX	**19 00 32 10.7–.26**	**1.54N–.03**	**127.32E–.04**	**128**	**4.7b**	**295**	**1-167**
BJI	IX	19 00 32 02.2	0.85N	127.67E	113	5.0b,4.9b		**¶601725132**
NEIC	IX	19 00 32 09.8–.40	1.50N	127.35E	121–3	4.7b,4.9b		
ISCJB	IX	19 00 32 09.2–.15	1.52N–.02	127.35E–.03	128	4.7b,4.9b		
DJA	IX	19 00 32 10.7–.20	2N–2.0	127E–2.0	108–2	5.3b,5.0b		
IDC	IX	19 00 32 10.7–1.1	1.50N	127.35E	127–9	4.7,4.4		
MOS	IX	19 00 32 11.7–1.1	1.51N	127.32E	151	4.7b,4.4		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=62.0.						
ISCJB		Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=160.7.						
IDC		Error ellipse: s-maj=12.5km s-min=6.4km az=60.0.						
MOS		Error ellipse: s-maj=11.4km s-min=6.4km az=120.9.						
IDC	IX	**19 09 26 57.6–1.4**	**0.22S**	**127.43E**	**0**	**3.6s,3.6**		
								¶601863822
IDC		Error ellipse: s-maj=132.4km s-min=21.7km az=70.0.						
IDC	IX	**20 09 40 04.5–2.2**	**1.47N**	**127.45E**	**0**	**3.8,3.6**		
								¶601863881
IDC		Error ellipse: s-maj=177.0km s-min=24.7km az=67.0.						
IDC	IX	**20 15 06 38.5–2.3**	**1.03N**	**127.41E**	**0**	**3.4,3.3**		
								¶601863899
IDC		Error ellipse: s-maj=196.6km s-min=25.0km az=67.0.						
IDC	IX	**20 20 29 18.6–.96**	**2.88N**	**128.42E**	**0**	**3.9,3.8**		
								¶601863910
IDC		Error ellipse: s-maj=63.2km s-min=16.2km az=82.0.						
ISC	IX	**21 13 16 13.2–.61**	**2.93N–.06**	**128.53E–.06**	**35**	**4.2b**	**39**	**2-85**
ISCJB	IX	21 13 16 11.3–.44	2.91N–.04	128.51E–.04	33	4.0b,2.9s		**¶601735818**
DJA	IX	21 13 16 12.2–.90	3N–4.0	128E–4.0	15–9	4.8b,4.6		
BJI	IX	21 13 16 13.3	2.80N	128.76E	53	4.5b,4.5b		
IDC	IX	21 13 16 15.4–1.9	2.84N	128.60E	61–17	4.0,3.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=138.1.						
IDC		Error ellipse: s-maj=27.8km s-min=10.5km az=72.0.						
IDC	IX	**23 21 44 15.7–2.0**	**2.65N**	**128.19E**	**0**	**3.6,3.5**		
								¶601864054
IDC		Error ellipse: s-maj=155.2km s-min=23.9km az=67.0.						
ISC	IX	**25 08 08 26.8–.40**	**1.91N–.04**	**127.38E–.06**	**112**	**4.6b**	**93**	**1-135**
BJI	IX	25 08 08 23.9	1.62N	127.55E	111	4.9b,4.7b		**¶601739649**
ISCJB	IX	25 08 08 25.3–.23	1.91N–.03	127.37E–.03	112	4.5b,4.7b		
DJA	IX	25 08 08 25.9–.30	2N–3.0	127E–3.0	97–3	4.9b,4.8		
IDC	IX	25 08 08 26.5–1.9	1.87N	127.43E	109–18	4.4,4.1		
NEIC	IX	25 08 08 27.2–.50	1.86N	127.39E	117–5	4.7b,4.1		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=173.9.						
IDC		Error ellipse: s-maj=21.5km s-min=9.0km az=80.0.						
NEIC		Event type se. Error ellipse: s-maj=7.2km s-min=3.8km az=71.0.						
IDC	IX	**25 15 45 12.7–1.7**	**1.11S**	**127.60E**	**0**	**3.6,3.4**		
								¶601864159
IDC		Error ellipse: s-maj=150.9km s-min=22.1km az=67.0.						
ISC	IX	**27 17 22 16.9–.72**	**2.48N–.07**	**128.41E–.10**	**250**	**3.6b**	**26**	**2-82**
ISCJB	IX	27 17 22 15.4–.59	2.53N–.06	128.43E–.07	250	3.6b		**¶601864291**
IDC	IX	27 17 22 15.1–3.4	2.52N	128.68E	227–35	3.9,3.4		
DJA	IX	27 17 22 16.3–1.0	3N–6.0	128E–8.0	226–4	5.0b,4.3b		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	X	**02 03 00 45.4–1.4**	**1.56N–.08**	**127.3E–.10**	**100**	**3.8b**	**13**	**2-50**
IDC	X	02 03 00 28.7–9.4	2.03N	127.01E	0	4.0,3.8b		**¶601996756**
ISCJB	X	02 03 00 43.8–1.0	1.50N–.06	127.37E–.10	100	3.8b,3.8b		
DJA	X	02 03 00 48.5–1.4	2N–5.0	127E–11	104–16	5.0b,4.3b		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	X	**02 03 12 34.1–1.6**	**0.88S**	**128.00E**	**0**	**4.1,4.0b**		
								¶601996758
IDC		Error ellipse: s-maj=108.4km s-min=22.0km az=70.0.						
ISC	X	**02 19 32 08.3–.95**	**1.31N–.07**	**127.02E–.09**	**103**	**3.5b**	**14**	**1-60**
IDC	X	02 19 31 59.0–1.4	1.31N	126.99E	0	3.7,3.6		**¶601996841**
ISCJB	X	02 19 32 06.2–.88	1.35N–.07	126.9E–.10	103	3.6b,3.6		
DJA	X	02 19 32 07.6–.40	1N–3.0	127E–5.0	45–15	4.2b,3.9		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	X	**05 00 57 02.7–2.2**	**1.44N**	**127.12E**	**0**	**3.7,3.5**		
								¶601997085
IDC		Error ellipse: s-maj=187.4km s-min=25.6km az=66.0.						
ISC	X	**06 21 50 06.0–.68**	**2.74N–.07**	**128.59E–.08**	**250**	**3.7b**	**28**	**2-125**
ISCJB	X	06 21 50 04.7–.62	2.71N–.06	128.54E–.06	250	3.9b		**¶601997312**
DJA	X	06 21 50 05.2–.70	3N–6.0	129E–6.0	210–6	5.4b,4.8b		
IDC	X	06 21 50 05.1–1.8	2.78N	128.79E	236–16	4.2,3.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=9.1km s-min=8.1km az=136.2.						
IDC		Error ellipse: s-maj=24.2km s-min=10.2km az=73.0.						
ISC	X	**09 22 53 27.4–.58**	**2.36N–.05**	**128.54E–.08**	**250**	**4.1b**	**68**	**2-92**
DJA	X	09 22 53 23.0–.80	3N–5.0	129E–7.0	199–7	5.0b,4.6		**¶601819586**
ISCJB	X	09 22 53 25.7–.35	2.40N–.04	128.67E–.06	250	4.1b,4.6		
NEIC	X	09 22 53 25.6–.80	2.43N	128.66E	233–8	4.2b,4.6		
IDC	X	09 22 53 25.7–1.9	2.42N	128.69E	231–18	4.4,3.9		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=1.0.						
NEIC		Event type se. Error ellipse: s-maj=11.5km s-min=4.7km az=71.0.						
IDC		Error ellipse: s-maj=21.3km s-min=8.5km az=80.0.						
ISC	X	**11 03 32 19.5–1.0**	**1.55N–.08**	**127.25E–.10**	**100**	**4.0b**	**16**	**1-124**
ISCJB	X	11 03 32 18.3–.84	1.54N–.09	127.25E–.07	100	4.0b		**¶601997834**
DJA	X	11 03 32 18.7–.80	2N–7.0	127E–7.0	100–12	4.9b,4.4		
IDC	X	11 03 32 22.2–4.6	1.38N	127.28E	123–45	4.1,3.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=13.8km s-min=8.8km az=33.5.						
IDC		Error ellipse: s-maj=65.7km s-min=23.1km az=76.0.						
IDC	X	**11 06 11 44.7–1.6**	**1.26N**	**128.40E**	**0**	**3.8,3.7**		
								¶601997847
IDC		Error ellipse: s-maj=56.9km s-min=23.7km az=64.0.						
ISC	X	**13 03 35 28.3–.71**	**1.74N–.09**	**127.0E–.10**	**103**	**4.2b**	**18**	**1-82**
IDC	X	13 03 35 16.1–.72	1.74N	127.21E	0	4.5L,4.4		**¶601839069**
NEIC	X	13 03 35 21.2–.43	1.77N	127.26E	35	4.4b,4.4		
ISCJB	X	13 03 35 26.3–.50	1.74N–.06	127.2E–.10	103	4.2b,4.4		
DJA	X	13 03 35 28.3–.60	1N–6.0	127E–5.0	182–11	5.1b,4.6		
ISC		Event type se.						
NEIC		Event type se.						
ISCJB		Event type se.						
IDC	X	**16 04 50 52.2–2.0**	**0.66N**	**127.37E**	**0**	**3.8,3.6b**		
								¶601998458
IDC		Error ellipse: s-maj=151.6km s-min=24.8km az=66.0.						
ISC	X	**17 21 49 40.4–.87**	**1.7N–.10**	**127.6E–.20**	**112**	**3.6b**	**10**	**4-124**
IDC	X	17 21 49 36.7–5.0	1.78N	127.36E	71–50	3.9,3.7		**¶601998713**
ISCJB	X	17 21 49 38.5–.69	1.8N–.10	127.5E–.20	112	3.8b,3.7		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	X	**18 07 53 25.0–.94**	**2.5N–.20**	**128.9E–.30**	**35**	**4.0b**	**11**	**4-125**
ISCJB	X	18 07 53 23.2–.88	2.5N–.10	128.9E–.20	35	3.9b		**¶601998771**
IDC	X	18 07 53 25.5–3.5	2.55N	128.95E	41–35	3.9,3.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=35.4km s-min=8.9km az=146.0.						
IDC		Error ellipse: s-maj=49.9km s-min=17.1km az=64.0.						
IDC	X	**18 14 54 03.2–1.9**	**1.88N**	**127.21E**	**0**	**3.8,3.6**		
								¶601998814
IDC		Error ellipse: s-maj=112.1km s-min=23.2km az=69.0.						
ISC	X	**19 09 48 25.5–1.1**	**1.7N–.20**	**127.7E–.20**	**69**	**3.7b**	**10**	**4-82**
ISCJB	X	19 09 48 23.5–.94	1.8N–.20	127.9E–.20	69	3.8b		**¶601998917**
IDC	X	19 09 48 31.2–4.2	1.94N	128.39E	132–45	3.8,3.6		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=33.3km s-min=10.8km az=43.6.						
IDC		Error ellipse: s-maj=88.8km s-min=16.9km az=69.0.						
ISC	X	**19 23 57 30.3–1.1**	**2.4N–.10**	**128.2E–.20**	**250**	**3.8b**	**18**	**3-59**
DJA	X	19 23 57 26.8–1.3	3N–10	128E–14	260–17	5.1b,4.7		**¶601998980**
IDC	X	19 23 57 27.9–3.7	2.52N	128.45E	232–32	3.9,3.5		
ISCJB	X	19 23 57 28.9–.84	2.40N–.08	128.2E–.10	250	3.8b,3.5		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	X	**20 18 37 35.2–.57**	**1.98N–.04**	**127.33E–.06**	**112**	**3.9b**	**43**	**1-82**
ISCJB	X	20 18 37 32.5–.39	2.11N–.03	127.36E–.05	112	4.0b		**¶601999073**
IDC	X	20 18 37 33.8–.76	1.92N	127.28E	93–7	4.0,3.8		
DJA	X	20 18 37 38.2–.70	2N–3.0	127E–4.0	40–10	4.7b,4.3		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	X	**22 04 54 07.8–.41**	**2.78N–.05**	**128.53E–.07**	**250**	**4.4b**	**72**	**2-125**
ISCJB	X	22 04 54 06.1–.27	2.80N–.03	128.55E–.04	250	4.3b		**¶601840580**
NEIC	X	22 04 54 06.8–.97	2.80N	128.55E	242–10	4.5b		
BJI	X	22 04 54 06.5	2.90N	128.50E	239	4.9b,4.5b		
IDC	X	22 04 54 06.7–.92	2.80N	128.59E	239–9	4.6,4.1		
DJA	X	22 04 54 08.4–.50	3N–6.0	128E–3.0	222–7	5.0,4.9b		
ISC		Event type se.						
ISCJB		Event type se.						
NEIC		Event type se.						
ISC	X	**23 04 35 57.7–1.3**	**2.4N–.10**	**128.7E–.10**	**35**	**3.8b**	**11**	**2-60**
ISCJB	X	23 04 35 55.2–1.2	2.5N–.10	128.78E–.09	33	3.9b		**¶601999335**
DJA	X	23 04 35 55.2–6.2	2N–10	129E–11	16–44	6.2b,5.8		
IDC	X	23 04 35 58.0–5.0	2.50N	128.71E	48–60	3.9,3.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=19.8km s-min=7.9km az=34.3.						
IDC		Error ellipse: s-maj=72.6km s-min=26.6km az=75.0.						
IDC	X	**25 07 39 00.3–1.5**	**2.80N**	**128.20E**	**0**	**3.8,3.8L**		
								¶601999580
IDC		Error ellipse: s-maj=69.4km s-min=22.1km az=67.0.						
DJA	X	**25 22 33 13.1–.90**	**2S–2.0**	**129E–2.0**	**18–7**	**5.1b,4.5b**		
								¶601999657
DJA	X	**26 17 12 35.3–1.1**	**2S–3.0**	**129E–2.0**	**19–9**	**4.7b,4.4b**		
								¶601999759
IDC	X	**27 04 47 11.3–1.9**	**2.77N**	**128.67E**	**0**	**3.8,3.7**		
								¶601999803
IDC		Error ellipse: s-maj=97.3km s-min=24.1km az=69.0.						
ISC	X	**27 21 51 11.7–.63**	**2.80N–.08**	**128.54E–.08**	**200**	**3.8b**	**26**	**2-82**
ISCJB	X	27 21 51 09.8–.64	2.93N–.07	128.71E–.10	200	3.7b		**¶601852940**
IDC	X	27 21 51 14.0–2.1	2.69N	128.59E	235–22	4.1,3.6		
DJA	X	27 21 51 16.3–.60	3N–7.0	128E–4.0	185–7	5.5b,5.0		
ISC		Event type ke.						
ISCJB		Event type ke.						
DJA	X	**28 23 18 04.4–.90**	**2N–5.0**	**127E–7.0**	**93–9**	**5.0b,4.4**		
								¶602000165
ISC	X	**30 08 44 23.5–.42**	**2.69N–.05**	**128.48E–.06**	**250**	**4.3b**	**85**	**2-154**
NEIC	X	30 08 44 21.2–.75	2.76N	128.66E	226–7	4.5b		**¶601906476**
ISCJB	X	30 08 44 22.1–.27	2.64N–.04	128.52E–.04	250	4.3b		
DJA	X	30 08 44 23.8–.70	3N–5.0	128E–5.0	216–5	5.1b,4.4		
IDC	X	30 08 44 25.9–3.9	2.67N	128.63E	277–43	4.3,3.8		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=61.0.						
ISCJB		Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=152.3.						
IDC		Error ellipse: s-maj=28.3km s-min=10.2km az=71.0.						
IDC	XI	**01 04 16 54.8–2.0**	**2.69N**	**128.51E**	**0**	**3.8,3.6**		

¶602388661
IDC Error ellipse: s-maj=100.8km s-min=23.5km az=71.0.
ISC XI 05 10 36 16.6–1.0 2.66N–.05 128.85E–.06 48–9 4.6b,3.6s 212 2-156
DJA XI 05 10 36 12.9–1.5 3N–8.0 129E–5.0 16–19 5.1b,5.0b **¶601871983**
MOS XI 05 10 36 13.6–.83 2.72N 128.64E 34 5.0b,5.0b
ISCJB XI 05 10 36 13.9–.73 2.67N–.03 128.81E–.04 37–7 4.6b,3.6s
IDC XI 05 10 36 14.8–2.3 2.64N 128.74E 33–16 4.4,4.3
BJI XI 05 10 36 14.3 2.44N 128.82E 45 4.9b,4.7b
NEIC XI 05 10 36 16.9–.72 2.65N 128.74E 52–7 4.7b,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=13.9km s-min=6.7km az=107.3.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=143.9.
IDC Error ellipse: s-maj=21.1km s-min=9.8km az=79.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=72.0.
ISC XI 05 11 59 28.9–.34 1.48N–.04 128.25E–.05 90–2 4.7b 295 1-155
BJI XI 05 11 59 23.9 1.26N 128.57E 70 4.8b,4.7b **¶601871985**
ISCJB XI 05 11 59 27.5–.42 1.51N–.02 128.32E–.03 90–4 4.6b,4.7b
NEIC XI 05 11 59 28.6–.17 1.49N 128.32E 89 4.7b,4.7b
MOS XI 05 11 59 28.0–.91 1.55N 128.31E 96 4.4b,4.7b
DJA XI 05 11 59 29.1–.30 2N–3.0 128E–2.0 72–3 5.3b,5.0b
IDC XI 05 11 59 29.0–.42 1.51N 128.26E 91–3 4.5,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=84.0. Felt [III] at Tobelo.
MOS Error ellipse: s-maj=11.8km s-min=6.7km az=110.8.
IDC Error ellipse: s-maj=13.2km s-min=7.7km az=81.0.
IDC XI 05 22 00 21.6–1.2 1.54N 127.11E 0 3.7,3.6
¶602388889
IDC Error ellipse: s-maj=65.2km s-min=19.8km az=63.0.
ISC XI 06 11 04 37.7–.34 0.03N–.04 127.41E–.04 150 4.6b 130 1-125
BJI XI 06 11 04 34.3 0.27S 127.94E 162 4.8b,4.5b **¶601875242**
ISCJB XI 06 11 04 36.3–.21 0.12N–.02 127.55E–.03 150 4.5b,4.5b
DJA XI 06 11 04 39.8–.20 0N–3.0 127E–2.0 140–2 4.9,4.9b
NEIC XI 06 11 04 39.0–.40 0.01N 127.46E 167–4 4.7b,4.9b
IDC XI 06 11 04 40.2–1.4 0.02S 127.46E 180–12 4.5,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.5km az=175.6.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=76.0.
IDC Error ellipse: s-maj=15.6km s-min=7.9km az=74.0.
ISC XI 06 22 12 50.9–.71 2.7N–.10 128.9E–.20 44 3.8b 13 4-125
IDC XI 06 22 12 44.7–.78 2.79N 128.90E 0 3.9,3.8 **¶602388927**
ISCJB XI 06 22 12 49.2–.62 2.7N–.10 128.8E–.20 44 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 07 40 58.8–.95 1.82N–.07 127.12E–.08 100 4.0b 20 1-81
ISCJB XI 07 07 40 56.6–.82 1.78N–.06 127.29E–.07 100 3.9b **¶602388950**
IDC XI 07 07 40 56.4–9.6 1.73N 127.22E 80–84 4.0,3.9L
DJA XI 07 07 41 00.4–.50 2N–3.0 127E–4.0 10 5.1b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 09 12 25.4–.57 2.67N–.06 128.79E–.07 35 4.2b 45 2-85
IDC XI 07 09 12 20.6–.90 2.67N 128.65E 0 4.1,3.9 **¶602051316**
ISCJB XI 07 09 12 23.7–.35 2.70N–.04 128.72E–.05 35 4.1b,3.9
NEIC XI 07 09 12 25.6–.25 2.66N 128.76E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=18.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.3km az=177.1.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=71.0.
ISC XI 07 13 03 08.0–1.5 2.73N–.07 129.01E–.08 46–14 4.3b,3.4s 79 3-85
ISCJB XI 07 13 03 06.5–1.0 2.72N–.05 128.97E–.05 50–10 4.3b,3.5s **¶601879555**
DJA XI 07 13 03 07.3–.60 3N–5.0 129E–4.0 10 4.9b,4.6b
NEIC XI 07 13 03 08.7–1.1 2.66N 128.89E 55–11 4.4b,4.6b
IDC XI 07 13 03 08.3–3.1 2.66N 128.75E 46–32 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.3km az=56.0.
IDC Error ellipse: s-maj=31.7km s-min=13.1km az=77.0.
ISC XI 07 17 40 52.8–1.1 2.49N–.09 128.5E–.10 250 3.5b 16 2-64
ISCJB XI 07 17 40 51.0–.77 2.59N–.08 128.53E–.08 250 3.5b **¶602388970**
DJA XI 07 17 40 53.1–1.0 2N–6.0 129E–7.0 233–12 4.6,4.5
IDC XI 07 17 41 25.5–2.8 1.48N 127.30E 655–53 3.7,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=10.7km az=170.7.
IDC Error ellipse: s-maj=23.6km s-min=15.1km az=82.0.
IDC XI 08 08 02 18.0–1.8 2.14N 128.83E 0 3.6,3.5
¶602389025
IDC Error ellipse: s-maj=119.9km s-min=23.6km az=64.0.
IDC XI 08 22 59 33.2–10 2.53N 128.87E 216–99 3.8,3.4
¶602389062
IDC Error ellipse: s-maj=97.0km s-min=15.5km az=59.0.
IDC XI 11 17 14 26.2–8.3 2.85N 128.23E 0 3.8,3.6
¶602389228
IDC Error ellipse: s-maj=132.6km s-min=97.2km az=145.0.
IDC XI 13 09 54 51.2–1.9 2.29N 128.11E 0 3.9,3.8
¶602389335
IDC Error ellipse: s-maj=136.6km s-min=24.8km az=66.0.
ISC XI 14 15 48 40.2–.98 1.33S–.06 127.54E–.06 25 15 2-62
IDC XI 14 15 48 37.2–1.6 1.47S 127.22E 0 3.3,3.2 **¶602389394**
DJA XI 14 15 48 38.7–.60 1S–4.0 128E–3.0 11–3 4.9b,4.1
ISCJB XI 14 15 48 39.5–.77 1.24S–.06 127.38E–.05 25 3.2b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC XI 14 20 33 21.7–1.7 2.83N 128.09E 0 3.8,3.6
¶602389403
IDC Error ellipse: s-maj=93.8km s-min=22.7km az=69.0.
IDC XI 18 17 24 40.6–2.0 1.65N 127.30E 0 3.6,3.4
¶602389619
IDC Error ellipse: s-maj=144.5km s-min=25.8km az=66.0.
ISC XI 21 03 58 28.8–.37 1.08S–.04 127.30E–.05 31 4.6b,3.4s 116 2-125
IDC XI 21 03 58 23.9–.62 1.04S 127.19E 0 4.4,4.4 **¶601993342**
BJI XI 21 03 58 24.4 1.15S 127.39E 15 4.8b,4.6b
ISCJB XI 21 03 58 26.7–.20 1.08S–.03 127.31E–.03 31 4.6b,3.4s
DJA XI 21 03 58 27.0–.20 1S–3.0 127E–2.0 10 4.9b,4.8b
NEIC XI 21 03 58 27.7–1.5 1.06S 127.28E 26–11 4.5b,4.8b
KLM XI 21 03 58 29.0 0.92S 127.32E 46 4.6b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=12.3km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=138.4.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.5km az=51.0.
ISC XI 21 14 23 53.8–1.0 1.9N–.20 128.3E–.30 134 3.9b 7 4-64
ISCJB XI 21 14 23 52.1–.87 2.0N–.20 128.3E–.30 134 3.6b **¶602389790**
IDC XI 21 14 23 52.8–5.8 1.81N 128.04E 122–64 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=45.9km s-min=10.2km az=140.9.
IDC Error ellipse: s-maj=117.3km s-min=20.0km az=71.0.
IDC XI 24 12 34 51.5–1.9 1.91N 127.46E 0 3.6,3.5
¶602389936
IDC Error ellipse: s-maj=103.6km s-min=24.5km az=69.0.
ISC XI 24 22 13 35.8–.45 2.47N–.03 128.33E–.05 205–4 4.8b 294 2-159
BJI XI 24 22 13 29.0 2.01N 128.85E 200 4.8b,4.8b **¶601994223**
MOS XI 24 22 13 33.7–.77 2.50N 128.49E 204 4.7b,4.8b
ISCJB XI 24 22 13 34.7–.34 2.48N–.02 128.43E–.03 209–3 4.7b,4.8b
KLM XI 24 22 13 34.0 2.53N 128.57E 189 4.8b,4.8b
IDC XI 24 22 13 35.3–.59 2.44N 128.33E 201–5 4.9,4.4
NEIC XI 24 22 13 35.6–.47 2.44N 128.40E 206–5 4.8b,4.4
DJA XI 24 22 13 36.1–.30 3N–3.0 128E–2.0 186–3 4.8,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 26 15 24 12.3–1.8 1.93N 127.38E 0 3.8,3.6
¶602389996
IDC Error ellipse: s-maj=104.1km s-min=22.3km az=69.0.
ISC XI 30 04 02 08.9–.72 2.68N–.07 128.15E–.08 100 4.0b 22 2-85
IDC XI 30 04 02 05.0–3.5 2.85N 128.16E 42–36 4.8L,3.9 **¶601995357**
NEIC XI 30 04 02 06.7–.96 2.76N 128.21E 65–10 4.3b,3.9
ISCJB XI 30 04 02 08.4–.37 2.71N–.04 128.11E–.06 100 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 02 11 05 50.6–2.1 1.36N 127.01E 0 3.6,3.4
¶602390347
IDC Error ellipse: s-maj=173.6km s-min=24.5km az=66.0.
ISC XII 02 13 52 27.5–1.0 0.81N–.10 127.32E–.08 164–8 4.1b 16 0-60
ISCJB XII 02 13 52 26.7–.77 0.79N–.09 127.32E–.06 169–6 3.9b **¶602390355**
IDC XII 02 13 52 27.9–4.1 0.85N 127.36E 172–46 3.9,3.5
DJA XII 02 13 52 33.3–1.2 1N–5.0 127E–7.0 103–13 4.5b,4.3b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 03 10 06 31.1–1.6 1.4N–.10 127.2E–.30 103 7 1-60
IDC XII 03 10 06 19.6–1.8 1.48N 126.83E 0 3.7,3.6 **¶602390388**
DJA XII 03 10 06 38.1–1.4 1N–7.0 127E–10 72–29 3.4,3.4
ISC Event type ke.
ISC XII 08 08 11 55.8–.43 2.60N–.03 128.33E–.05 146–4 4.7b 299 2-159
MOS XII 08 08 11 54.8–.90 2.63N 128.32E 152 4.7b **¶602030352**
IDC XII 08 08 11 55.3–.52 2.61N 128.32E 143–4 4.6,4.3
ISCJB XII 08 08 11 55.0–.44 2.57N–.02 128.35E–.03 155–4 4.7b,4.3
NEIC XII 08 08 11 55.8–.50 2.58N 128.35E 148–4 4.9b,4.3
KLM XII 08 08 11 55.0 2.64N 128.55E 130 5.0b,4.3
GCMT XII 08 08 11 57.8–.40 2.65N–.03 128.34E–.03 154–4 4.9W,4.3
DJA XII 08 08 11 58.7–.40 2N–5.0 128E–2.0 126–5 5.4b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c21; s70,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.12 $M_{\theta\theta}$0.55±.15; $M_{\phi\phi}$-2.84±.17; $M_{r\theta}$-1.02±.10; $M_{\theta\phi}$0.87±.13; $M_{\phi r}$0.95±.13; Best double couple: NP1:ϕ_s328.00000°,δ60.00000°,λ68.00000°. NP2:ϕ_s187.00000°,δ37.00000°,λ123.00000°. Principal axes: T 2.8090,Plg67.0000° ,Azm194.0000°; N 0.4900,Plg19.0000°,Azm340.0000°; P -3.2970,Plg12.0000°,Azm74.0000° M_o3.05300×10^{16}
ISC XII 09 17 09 13.8–.80 1.68N–.07 127.54E–.08 128 4.3b 38 1-64
ISCJB XII 09 17 09 12.5–.56 1.78N–.05 127.48E–.05 128 4.2b **¶602032232**
DJA XII 09 17 09 14.1–.50 2N–4.0 127E–3.0 118–3 5.0b,4.7b
IDC XII 09 17 09 16.0–1.6 1.64N 127.54E 149–15 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.3km az=32.4.
IDC Error ellipse: s-maj=28.1km s-min=9.2km az=65.0.
IDC XII 10 22 49 15.7–2.9 2.31N 128.38E 0 3.6,3.4
¶602391035
IDC Error ellipse: s-maj=224.0km s-min=28.0km az=68.0.
IDC XII 11 17 01 50.7–1.7 0.89N 127.04E 0 3.6,3.4b
¶602391109
IDC Error ellipse: s-maj=164.0km s-min=21.1km az=67.0.
IDC XII 12 01 03 48.0–2.0 1.97N 127.57E 0 4.0,3.8
¶602391135
IDC Error ellipse: s-maj=151.6km s-min=23.6km az=67.0.
IDC XII 12 18 31 55.2–1.9 2.32N 128.06E 0 3.9,3.7
¶602391201
IDC Error ellipse: s-maj=133.0km s-min=23.5km az=67.0.
ISC XII 12 23 53 48.1–.67 2.5N–.10 128.7E–.20 250 3.9b 20 4-92
ISCJB XII 12 23 53 47.0–.49 2.5N–.10 128.6E–.10 250 3.8b **¶602391215**
IDC XII 12 23 53 47.1–2.6 2.55N 128.56E 235–29 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=8.6km az=141.8.
IDC Error ellipse: s-maj=38.3km s-min=11.5km az=70.0.
IDC XII 13 05 36 46.2–2.1 0.93N 127.05E 0 3.8,3.6
¶602391232
IDC Error ellipse: s-maj=171.2km s-min=24.8km az=66.0.
IDC XII 13 08 23 49.3–2.0 1.78N 127.34E 0 4.0,3.8
¶602391242
IDC Error ellipse: s-maj=160.6km s-min=24.9km az=65.0.
ISC XII 13 09 32 47.5–1.0 1.70N–.06 127.08E–.06 100 3.9b 19 1-63
IDC XII 13 09 32 36.3–1.1 1.47N 126.39E 0 4.1,3.9 **¶602391248**
ISCJB XII 13 09 32 46.1–.62 1.71N–.05 127.11E–.05 100 3.8b,3.9
DJA XII 13 09 32 48.5–.70 2N–5.0 127E–4.0 107–7 4.6b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 15 00 59 54.2–1.6 1.27S 127.34E 0 3.8,3.8L
¶602391357
IDC Error ellipse: s-maj=44.5km s-min=26.7km az=63.0.
IDC XII 15 20 05 44.6–1.8 1.05N 127.37E 0 3.5,3.4
¶602391412
IDC Error ellipse: s-maj=168.9km s-min=22.0km az=67.0.
ISC XII 16 04 52 04.6–.96 1.14S–.05 127.14E–.06 34 14 1-93
IDC XII 16 04 51 59.0–1.3 1.21S 127.01E 0 3.9,3.8b **¶602391442**
DJA XII 16 04 52 02.2–.30 1S–2.0 127E–2.0 10 5.1b,4.5
ISCJB XII 16 04 52 03.9–.63 1.05S–.06 127.12E–.05 34 3.9b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 14 05 16.9–1.4 1.2N–.20 127.06E–.09 100 3.2b 7 1-60
IDC XII 16 14 05 06.9–2.1 1.29N 126.73E 0 3.7,3.5 **¶602391467**
DJA XII 16 14 05 14.7–1.3 1N–11 127E–6.0 10 3.6,3.6
ISCJB XII 16 14 05 15.5–1.3 1.3N–.20 127.03E–.08 100 3.3b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 23 43 47.4–1.1 2.4N–.10 128.7E–.20 35 4.0b 9 2-69
IDC XII 16 23 43 43.7–1.2 1.54N 126.47E 0 4.2,4.0 **¶602391500**
ISCJB XII 16 23 43 44.4–.85 2.51N–.10 128.8E–.20 33 4.0b,4.0
DJA XII 16 23 43 48.7–.40 0N–7.0 129E–5.0 10 6.2b,6.2b
ISC Event type ke.
ISCJB Event type ke.
IDC XII 17 20 16 27.7–2.2 1.89N 127.38E 0 3.5,3.3
¶602391569
IDC Error ellipse: s-maj=148.0km s-min=28.3km az=66.0.
IDC XII 18 21 35 13.3–1.4 1.86N 127.54E 0 3.7,3.6
¶602391629
IDC Error ellipse: s-maj=97.3km s-min=18.9km az=73.0.
IDC XII 19 11 19 05.7–2.2 2.99N 129.16E 0 3.7,3.6
¶602391666
IDC Error ellipse: s-maj=148.1km s-min=24.5km az=69.0.
IDC XII 20 12 08 14.1–3.0 1.78N 129.46E 0 3.2,3.1
¶602391727
IDC Error ellipse: s-maj=214.3km s-min=28.5km az=69.0.
ISC XII 20 22 33 08.4–.95 2.0N–.20 128.1E–.20 134 3.6b 10 4-82
ISCJB XII 20 22 33 06.8–.89 2.0N–.10 128.0E–.20 134 3.5b **¶602391757**
IDC XII 20 22 33 09.4–3.2 1.96N 128.18E 144–33 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=10.7km az=138.5.
IDC Error ellipse: s-maj=54.7km s-min=15.0km az=73.0.
IDC XII 21 05 29 53.2–2.1 0.73N 127.20E 0 3.4,3.2
¶602391781
IDC Error ellipse: s-maj=172.0km s-min=25.8km az=66.0.
IDC XII 23 14 27 05.6–2.1 0.85S 127.12E 0 3.3,3.2
¶602391927
IDC Error ellipse: s-maj=157.2km s-min=27.8km az=66.0.
IDC XII 24 00 09 46.3–2.2 1.14N 127.06E 0 3.8,3.6
¶602391958
IDC Error ellipse: s-maj=174.2km s-min=25.9km az=66.0.
IDC XII 24 00 47 26.1–2.1 1.04S 127.84E 0 3.6,3.4
¶602391959
IDC Error ellipse: s-maj=156.3km s-min=25.7km az=67.0.
IDC XII 24 21 46 11.6–1.6 1.75S 127.37E 0 3.3,3.2b

¶602392020

IDC Error ellipse: s-maj=46.1km s-min=27.4km az=66.0.
IDC XII 25 06 02 57.1–1.9 1.52S 127.14E 0 3.8,3.7L

¶602380570

IDC Error ellipse: s-maj=151.8km s-min=24.9km az=66.0.
IDC XII 26 01 47 57.8–2.0 1.44S 127.68E 0 3.3,3.1

¶602380611

IDC Error ellipse: s-maj=164.0km s-min=32.3km az=70.0.
IDC XII 26 03 43 50.5–1.8 1.89N 127.17E 0 3.7,3.6

¶602380616

IDC Error ellipse: s-maj=157.6km s-min=20.8km az=67.0.
IDC XII 26 03 55 48.6–2.0 0.51S 127.66E 0 3.5,3.3

¶602380617

IDC Error ellipse: s-maj=150.7km s-min=25.0km az=67.0.
IDC XII 28 19 42 35.5–1.6 2.81N 128.46E 0 3.8,3.6

¶602380795

IDC Error ellipse: s-maj=87.0km s-min=19.6km az=64.0.
ISC XII 29 05 30 19.5–.56 1.56N–.06 127.17E–.06 150 4.0b 43 1-82
ISCJB XII 29 05 30 18.0–.38 1.50N–.05 127.15E–.04 150 3.9b ¶602380825
IDC XII 29 05 30 18.1–1.6 1.52N 127.15E 132–14 4.2,3.9
DJA XII 29 05 30 18.5–.40 2N–3.0 127E–3.0 113–6 4.8b,4.6b
ISC Event type ke.
ISCJB Event type ke.

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DJA VII 06 04 15 59.0–.40 4S–5.0 123E–5.0 10 4.5b,4.2

¶602027481

ISC VII 08 20 26 38.0–.47 3.65S–.06 120.91E–.05 35 4.1b,3.2s 57 1-131
DJA VII 08 20 26 34.3–.30 4S–3.0 121E–2.0 10 5.2b,4.6 ¶601246349
ISCJB VII 08 20 26 35.8–.30 3.65S–.04 120.97E–.04 33 4.1b,3.2s
IDC VII 08 20 26 39.4–2.8 3.63S 121.04E 51–26 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=152.1.
IDC Error ellipse: s-maj=21.2km s-min=12.0km az=69.0.
DJA VII 09 01 04 18.4–1.9 3S–4.0 123E–5.0 34–39 3.6,3.6

¶602027545

DJA VII 14 10 58 29.6–3.2 3S–4.0 123E–5.0 21–34 3.6,3.6

¶602027667

DJA VII 18 12 10 20.8–.50 1S–2.0 120E–3.0 11–4 3.6,3.6

¶602027771

DJA VIII 02 18 55 13.1–.30 1S–2.0 120E–3.0 15 4.1,4.1

¶602028156

ISC VIII 07 23 00 08.1–.76 4.11S–.05 121.70E–.04 35 3.7b 27 1-66
IDC VIII 07 23 00 02.5–1.1 4.19S 121.26E 0 3.9,3.7 ¶601765630
ISCJB VIII 07 23 00 07.7–.44 4.19S–.04 121.74E–.04 33 3.6b,3.7
DJA VIII 07 23 00 07.0–.20 4S–2.0 122E–2.0 10 4.6b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 08 23 48 54.1–1.3 1.06S–.04 120.20E–.04 11–10 3.5b 20 0-58
IDC VIII 08 23 48 52.6–1.6 0.91S 120.57E 0 3.6,3.5 ¶601765677
ISCJB VIII 08 23 48 55.2–.92 1.04S–.04 120.16E–.05 24–9 3.4b,3.5
DJA VIII 08 23 48 55.7–.20 1S–2.0 120E–2.0 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 07 45 01.7–.57 1.28S–.05 120.13E–.05 10 4.2b,3.1s 48 0-119
ISCJB VIII 18 07 44 59.8–.31 1.23S–.04 120.20E–.05 10 4.1b,3.1s ¶601565325
IDC VIII 18 07 44 59.2–.84 1.23S 120.35E 0 4.0,3.9
NEIC VIII 18 07 45 01.0–.43 1.36S 120.15E 10 4.4b,3.9
DJA VIII 18 07 45 01.2–.30 1S–3.0 120E–4.0 10 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 18 07 52 31.9–1.1 1.25S–.06 120.1E–.10 35 3.8b 10 2-63
IDC VIII 18 07 52 26.5–1.2 0.24S 121.90E 0 3.8,3.6 ¶602028460
ISCJB VIII 18 07 52 30.1–.74 1.29S–.07 120.1E–.10 33 3.6b,3.6
DJA VIII 18 07 52 30.7–.40 1S–4.0 120E–7.0 10 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 09 41 55.2–.41 1.35S–.02 120.13E–.02 28–2 6.2s,5.7b 1361 1-178
IDC VIII 18 09 41 49.7–.25 1.28S 120.11E 0 6.1,6.1s ¶601565602
BJI VIII 18 09 41 51.8 1.43S 120.07E 19 6.3s,6.2b
ISCJB VIII 18 09 41 51.8–.41 1.32S–.01 120.16E–.01 15–3 6.2s,5.6b
NEIC VIII 18 09 41 52.5–.12 1.32S 120.10E 10 6.6,6.3W
DJA VIII 18 09 41 53.6–.10 1S–1.0 120E–1.0 10 6.5b,6.3
MOS VIII 18 09 41 54.0–1.4 1.26S 120.18E 32 6.0s,5.9b
NEIC VIII 18 09 41 54.0–.00 1.35S 120.50E 13 6.0s,5.9b
KLM VIII 18 09 41 54.0 1.27S 120.19E 10 6.3b,5.9b
GCMT VIII 18 09 41 55.5–.10 1.26S 120.00E 12–0 6.3W,5.9b
NEIC VIII 18 09 42 06.0–.00 1.35S 119.95E 14 6.3W,5.9b
ISC Event type de.
IDC Error ellipse: s-maj=8.3km s-min=5.4km az=40.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=2.2km az=38.7.
NEIC Event type de. Error ellipse: s-maj=4.0km s-min=3.3km az=50.0. At least 6 people killed, 43 injured, 471 homes destroyed and 1,097 damaged in the epicentral area. Landslides blocked roads and some roads and bridges in the area were destroyed. Felt [V] at Palu and [IV] at Kulawi. Also felt at Poso. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.21 $M_{\theta\phi}$-2.89 $M_{\phi r}$-0.17 Best double couple: NP1: ϕ_s72.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_s162.00000°,δ88.00000°,λ3.00000°. Principal axes: T 3.6600,Plg4.0000°,Azm27.0000°; N -0.1700,Plg86.0000°,Azm193.0000° ; P -3.4900,Plg1.0000°,Azm297.0000° $M_0$3.60000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ88.00000°,λ175.00000°. NP2: ϕ_s330.00000°,δ85.00000°,λ2.00000°. Principal axes: T Plg5.0000°,Azm195.0000° ; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm285.0000°
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=113.6.
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-1.79 $M_{r\theta}$-1.03 $M_{\theta\phi}$-2.29 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s71.00000° ,δ88.00000°,λ-159.00000°. NP2:ϕ_s340.00000°,δ69.00000°,λ-2.00000°. Principal axes: T 3.1800,Plg13.0000°,Azm203.0000°; N -0.0600,Plg69.0000°,Azm76.0000° ; P -3.1200,Plg16.0000°,Azm297.0000° $M_0$3.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c344; s147,c592; Duration: 3ᵊ5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.70±.02 $M_{\theta\theta}$2.74±.02; $M_{\phi\phi}$-2.04±.02; $M_{r\theta}$-0.28±.04; $M_{\theta\phi}$-2.78±.02; $M_{\phi r}$-0.34±.04; Best double couple: NP1:ϕ_s70.00000°,δ85.00000° ,λ-173.00000°. NP2:ϕ_s339.00000°,δ83.00000°,λ-5.00000°. Principal axes: T 4.0190,Plg1.0000°,Azm205.0000°; N -0.6390,Plg81.0000°,Azm106.0000° ; P -3.3820,Plg9.0000°,Azm295.0000° $M_0$3.70000×10^{18}
NEIC Event type se. Moment Tensor Solution. s113 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.38 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.36 $M_{\theta\phi}$-2.79 $M_{\phi r}$-1.58 Best double couple: NP1:ϕ_s338.00000° ,δ78.00000°,λ-21.00000°. NP2:ϕ_s73.00000°,δ70.00000°,λ-167.00000°. Principal axes: T 3.8200,Plg5.0000°,Azm27.0000°; N 0.2600,Plg66.0000°,Azm128.0000° ; P -4.0800,Plg23.0000°,Azm294.0000° $M_0$4.00000×10^{18}
ISC VIII 18 09 51 21.7–.60 1.25S–.07 120.28E–.08 49 4.2b 24 1-88
IDC VIII 18 09 51 14.7–.68 1.18S 120.49E 0 4.4,4.3 ¶601766041
ISCJB VIII 18 09 51 20.1–.49 1.25S–.07 120.36E–.10 49 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 09 58 07.7–.54 1.35S–.05 119.99E–.05 10 4.3b 47 0-88
IDC VIII 18 09 58 04.9–.74 1.35S 120.06E 0 4.3,4.2 ¶601565604
ISCJB VIII 18 09 58 05.8–.35 1.30S–.04 120.02E–.05 10 4.2b,4.2
DJA VIII 18 09 58 08.3–.20 1S–2.0 120E–2.0 10 5.0,4.9
BJI VIII 18 09 58 10.0 1.10S 119.90E 20 4.5b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=15.8km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=145.7.
ISC VIII 18 10 03 38.0–.94 1.10S–.05 120.03E–.06 28 3.3b 14 0-62
IDC VIII 18 10 03 33.5–2.0 0.67N 123.52E 0 3.5,3.4 ¶601766045
ISCJB VIII 18 10 03 37.0–.61 1.15S–.06 120.04E–.08 28 3.3b,3.4
DJA VIII 18 10 03 36.9–.30 1S–3.0 120E–4.0 10 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.

DJA VIII 18 10 15 34.7–.50 1S–4.0 120E–5.0 31–6 3.6,3.6

¶602028461

DJA VIII 18 10 20 14.8–.60 1S–4.0 120E–7.0 10 3.7,3.7

¶602028462

ISC VIII 18 10 22 02.1–1.3 1.15S–.05 119.99E–.05 35 3.1b 16 0-58
IDC VIII 18 10 21 58.9–2.2 2.91S 118.29E 0 3.4,3.2 ¶602028463
DJA VIII 18 10 22 01.2–.20 1S–3.0 120E–3.0 10 4.0,4.0
ISCJB VIII 18 10 22 02.2–.53 1.18S–.05 120.00E–.05 33 3.1b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 10 24 47.0–1.5 1.24S–.07 119.8E–.10 35 6 0-26
DJA VIII 18 10 24 44.9–.60 1S–4.0 120E–9.0 10 3.6,3.6 ¶602028464
ISCJB VIII 18 10 24 46.2–1.2 1.27S–.08 119.8E–.20 33 2.8b,3.6
IDC VIII 18 10 24 59.7–1.8 1.83S 122.12E 0 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.1km s-min=12.0km az=177.9.
IDC Error ellipse: s-maj=438.9km s-min=28.6km az=60.0.
DJA VIII 18 10 35 07.4–.50 1S–4.0 120E–5.0 10 3.5,3.5

¶602028465

DJA VIII 18 10 51 26.0–.40 1S–3.0 120E–8.0 10 3.5,3.5

¶602028467

ISC VIII 18 10 54 10.9–.96 1.19S–.04 119.8E–.10 10 3.5b 14 0-58
IDC VIII 18 10 54 08.6–1.5 0.87S 121.37E 0 3.5,3.3 ¶601766048
ISCJB VIII 18 10 54 10.9–.60 1.21S–.03 119.89E–.08 10 3.2b,3.3
DJA VIII 18 10 54 11.2–.50 1S–2.0 120E–6.0 14–3 4.4b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 11 06 52.8–1.0 1.09S–.05 119.89E–.07 35 3.1b 13 0-58
IDC VIII 18 11 06 47.8–1.5 0.02S 122.12E 0 3.4,3.2 ¶602028468
ISCJB VIII 18 11 06 51.8–.66 1.11S–.05 119.88E–.07 33 3.1b,3.2
DJA VIII 18 11 06 51.3–.30 1S–2.0 120E–3.0 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 18 11 26 32.2–.30 1S–2.0 120E–6.0 10 3.9,3.9

¶602028473

DJA VIII 18 11 34 28.0–.80 1S–4.0 119E–10 10 4.0,4.0

¶602028474

ISC VIII 18 11 39 07.0–.88 1.14S–.05 120.00E–.06 28 3.6b 17 0-62
IDC VIII 18 11 39 03.5–1.2 0.38S 121.77E 0 3.7,3.6 ¶601766053
DJA VIII 18 11 39 04.9–.30 1S–2.0 120E–3.0 10 4.8b,4.3
ISCJB VIII 18 11 39 06.1–.51 1.13S–.04 120.01E–.06 28 3.6b,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 18 11 50 25.0–.40 1S–3.0 120E–4.0 10 6.6b,6.4b

¶602028475

ISC VIII 18 11 54 33.6–.94 1.08S–.05 120.14E–.05 10 3.6b 14 0-62
ISCJB VIII 18 11 54 33.4–.59 1.13S–.04 120.08E–.05 10 3.5b ¶602028476
DJA VIII 18 11 54 34.8–.30 1S–2.0 120E–2.0 10 3.7,3.7
IDC VIII 18 11 55 00.3–4.1 1.14N 125.28E 308–47 3.5,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=144.2.
IDC Error ellipse: s-maj=64.9km s-min=12.5km az=76.0.
DJA VIII 18 12 43 47.3–.20 1S–2.0 120E–3.0 10 3.6,3.6

¶601766059

DJA VIII 18 12 56 42.7–.20 1S–2.0 120E–2.0 10 4.0,4.0

¶602028482

ISC VIII 18 13 33 39.5–.83 1.21S–.04 119.79E–.04 28 3.7b 21 0-62
IDC VIII 18 13 33 35.9–1.2 1.10S 120.58E 0 3.8,3.7 ¶601766060
DJA VIII 18 13 33 37.8–.30 1S–2.0 120E–3.0 10 4.4b,4.1
ISCJB VIII 18 13 33 38.7–.50 1.26S–.04 119.77E–.05 28 3.6b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 13 47 51.5–.50 1.31S–.04 120.04E–.05 10 4.2b 60 0-89
ISCJB VIII 18 13 47 49.8–.28 1.31S–.03 120.02E–.04 10 4.0b ¶601565858
NEIC VIII 18 13 47 51.0–.42 1.33S 120.21E 10 4.3b
DJA VIII 18 13 47 51.2–.20 1S–2.0 120E–2.0 10 5.0b,4.8b
BJI VIII 18 13 47 52.5 0.90S 120.31E 11 4.8b,4.4b
IDC VIII 18 13 47 53.2–7.5 1.21S 120.39E 28–55 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=157.7.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=57.0.
IDC Error ellipse: s-maj=28.0km s-min=15.4km az=63.0.
ISC VIII 18 13 48 30.7–.72 1.2S–.10 120.1E–.10 28 4.2b,3.8s 16 10-95
ISCJB VIII 18 13 48 28.6–.50 1.17S–.09 120.1E–.10 28 4.1b,3.8s ¶601766064
IDC VIII 18 13 48 31.2–7.1 1.22S 120.04E 33–59 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=9.2km az=145.5.
IDC Error ellipse: s-maj=30.3km s-min=21.5km az=62.0.
ISC VIII 18 15 01 04.2–.92 1.19S–.05 120.10E–.05 10 3.2b 14 0-58
ISCJB VIII 18 15 01 03.2–.60 1.24S–.05 120.13E–.08 10 3.2b ¶601766066
IDC VIII 18 15 01 03.4–1.7 0.73S 121.43E 0 3.4,3.2
DJA VIII 18 15 01 04.4–.30 1S–3.0 120E–4.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 15 19 09.6–.45 1.14S–.05 120.04E–.05 10 4.2b 72 0-88
IDC VIII 18 15 19 06.2–.65 1.21S 120.26E 0 4.1,4.1 ¶601565612
ISCJB VIII 18 15 19 07.6–.29 1.21S–.03 120.00E–.04 10 4.2b,4.1
BJI VIII 18 15 19 07.4 1.40S 120.20E 18 4.7b,4.5b
NEIC VIII 18 15 19 08.5–.51 1.15S 120.28E 10 4.7b,4.5b
DJA VIII 18 15 19 10.6–.20 1S–2.0 120E–2.0 10 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA VIII 18 15 28 52.8–.60 1S–4.0 120E–7.0 13–6 3.5,3.5

¶602028499

ISC VIII 18 16 20 26.6–.86 1.22S–.03 119.88E–.04 28 3.7b 19 0-68
IDC VIII 18 16 20 24.5–1.1 0.97S 120.83E 0 3.8,3.6 ¶601766074
DJA VIII 18 16 20 27.9–.60 1S–2.0 120E–5.0 22–5 3.8,3.8
ISCJB VIII 18 16 20 28.1–.52 1.16S–.04 119.75E–.07 28 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 16 35 00.7–.91 1.21S–.05 120.03E–.04 28 3.0b 19 0-58
IDC VIII 18 16 34 56.8–2.0 0.27N 122.76E 0 3.4,3.2 ¶602028506
ISCJB VIII 18 16 34 60.0–.48 1.25S–.04 119.99E–.04 28 3.1b,3.2
DJA VIII 18 16 34 59.1–.20 1S–2.0 120E–2.0 10 5.6b,5.1
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 17 06 45.2–1.0 1.25S–.07 120.09E–.08 10 3.3b 11 0-63
ISCJB VIII 18 17 06 43.5–.50 1.25S–.05 120.05E–.05 10 3.3b ¶602028509
IDC VIII 18 17 06 43.4–1.3 0.30N 123.03E 0 3.5,3.3
DJA VIII 18 17 06 44.5–.30 1S–3.0 120E–3.0 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 18 17 20 13.5–.30 1S–2.0 120E–3.0 10 3.2,3.2

¶602028511

DJA VIII 18 17 36 26.3–.30 1S–2.0 120E–4.0 10 3.3,3.3

¶602028514

ISC VIII 18 18 13 53.0–1.0 1.17S–.05 120.02E–.06 10 15 0-26
ISCJB VIII 18 18 13 53.0–.62 1.18S–.04 120.01E–.06 10 2.9b ¶602028518
DJA VIII 18 18 13 53.7–.30 1S–2.0 120E–3.0 10 3.6,3.6
IDC VIII 18 18 14 26.9–1.7 3.56S 123.45E 0 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.9km az=19.2.
IDC Error ellipse: s-maj=178.8km s-min=27.4km az=61.0.
DJA VIII 18 20 50 15.9–.40 1S–2.0 120E–4.0 10 3.7,3.7

¶602028525

IDC VIII 18 20 51 51.2–1.2 2.50S 118.37E 0 3.6,3.4

¶601766104

IDC Error ellipse: s-maj=185.5km s-min=22.2km az=56.0.
ISC VIII 18 22 32 15.6–1.0 1.18S–.06 120.06E–.08 10 3.1b 11 0-50
ISCJB VIII 18 22 32 15.4–.70 1.18S–.06 120.05E–.08 10 3.3b ¶602028535

IDC	VIII	18 22 32 16.6–2.4	0.17S	122.21E	0	3.6,3.4	
DJA	VIII	18 22 32 16.3–.40	1S–3.0	120E–5.0	10	3.6,3.6	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**VIII**	**19 00 02 28.6–.30**	**1S–2.0**	**120E–3.0**	**10**	**3.8,3.8**	**¶602028536**
ISC	**VIII**	**19 01 02 19.2–.89**	**1.23S–.05**	**119.98E–.06**	**10**	**4.0b,3.1s**	**20 0-63**
IDC	VIII	19 01 02 17.9–1.2	1.06S	120.89E	0	3.9,3.8b	**¶601766126**
ISCJB	VIII	19 01 02 18.4–.49	1.27S–.04	120.01E–.04	10	3.9b,3.1s	
DJA	VIII	19 01 02 19.2–.30	1S–2.0	120E–2.0	10	4.2,4.2	
ISC		Event type ke.					
ISCJB		Event type ke.					
ISC	**VIII**	**19 05 17 53.0–1.0**	**1.19S–.06**	**120.05E–.09**	**10**	**3.5b**	**10 0-58**
ISCJB	VIII	19 05 17 52.2–.68	1.23S–.06	120.09E–.09	10	3.3b	**¶602028546**
IDC	VIII	19 05 17 52.2–2.2	0.45N	123.45E	0	3.6,3.4	
DJA	VIII	19 05 17 52.7–.70	1S–4.0	120E–7.0	11–8	3.7,3.7	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**VIII**	**19 06 00 24.5–.70**	**1S–4.0**	**120E–8.0**	**11–8**	**3.6,3.6**	**¶602028551**
ISC	**VIII**	**19 07 59 31.2–.85**	**1.15S–.04**	**120.06E–.05**	**10**	**3.4b**	**17 0-63**
IDC	VIII	19 07 59 29.0–1.3	0.00N	122.22E	0	3.6,3.4	**¶602028554**
ISCJB	VIII	19 07 59 30.7–.54	1.17S–.04	120.03E–.05	10	3.3b,3.4	
DJA	VIII	19 07 59 31.7–.30	1S–2.0	120E–3.0	10	3.8,3.8	
ISC		Event type ke.					
ISCJB		Event type ke.					
ISC	**VIII**	**19 21 42 57.0–1.0**	**1.23S–.05**	**120.03E–.08**	**10**	**3.5b**	**12 0-58**
ISCJB	VIII	19 21 42 55.9–.63	1.24S–.05	120.03E–.08	10	3.4b,2.9s	**¶602028563**
IDC	VIII	19 21 42 56.5–1.7	0.06S	121.92E	0	3.7,3.5b	
DJA	VIII	19 21 42 56.4–.30	1S–3.0	120E–5.0	10	4.0,4.0	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**VIII**	**20 06 39 07.6–.40**	**1S–3.0**	**120E–6.0**	**10**	**3.5,3.5**	**¶602028568**
DJA	**VIII**	**20 09 26 03.2–.30**	**1S–3.0**	**120E–4.0**	**10**	**3.5,3.5**	**¶602028574**
DJA	**VIII**	**20 19 13 01.1–.50**	**1S–2.0**	**120E–6.0**	**10**	**3.8,3.8**	**¶602028586**
DJA	**VIII**	**20 19 15 21.5–.20**	**1S–2.0**	**120E–2.0**	**10**	**3.6,3.6**	**¶602028588**
ISC	**VIII**	**20 19 20 19.8–1.3**	**1.22S–.04**	**119.96E–.04**	**20–6**	**3.9b**	**32 0-79**
ISCJB	VIII	20 19 20 17.8–.86	1.25S–.03	119.98E–.04	20–8	3.8b	**¶601766215**
DJA	VIII	20 19 20 18.5–.50	1S–2.0	120E–2.0	22–5	4.1,4.1	
IDC	VIII	20 19 20 35.4–9.1	0.99S	120.90E	161–91	3.9,3.5	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=15.2.					
IDC		Error ellipse: s-maj=86.6km s-min=15.2km az=71.0.					
ISC	**VIII**	**24 07 42 35.2–.54**	**1.29S–.05**	**120.09E–.06**	**10**	**4.5b,4.5s**	**51 0-136**
IDC	VIII	24 07 42 32.4–.73	1.18S	120.45E	0	4.2,4.1b	**¶601615622**
BJI	VIII	24 07 42 32.1	1.46S	120.35E	7	4.9b,4.6b	
ISCJB	VIII	24 07 42 33.2–.32	1.29S–.04	120.09E–.05	10	4.4b,4.2s	
DJA	VIII	24 07 42 34.0–.30	1S–3.0	120E–4.0	10	4.4,4.4b	
NEIC	VIII	24 07 42 38.3–.40	1.27S	120.27E	35	4.6b,4.4b	
ISC		Event type se.					
IDC		Error ellipse: s-maj=36.9km s-min=14.2km az=62.0.					
ISCJB		Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=160.9.					
NEIC		Event type se. Error ellipse: s-maj=15.6km s-min=7.1km az=58.0.					
DJA	**VIII**	**27 01 48 54.5–.30**	**1S–2.0**	**120E–3.0**	**10**	**3.5,3.5**	**¶602028732**
DJA	**VIII**	**30 16 55 32.0–.40**	**1S–3.0**	**120E–2.0**	**15–3**	**3.7,3.7**	**¶602028826**
DJA	**VIII**	**31 16 42 02.9–.30**	**2S–3.0**	**121E–4.0**	**10**	**3.8,3.8**	**¶602028862**
DJA	**IX**	**01 01 29 46.0–.30**	**3S–3.0**	**121E–4.0**	**10**	**5.0b,4.1b**	**¶606683943**
DJA	**IX**	**01 12 26 37.2–.30**	**4S–3.0**	**119E–3.0**	**87–11**	**5.1b,4.5b**	**¶602028914**
DJA	**IX**	**02 03 13 43.0–1.0**	**1S–2.0**	**120E–4.0**	**14–7**	**4.0,4.0**	**¶602028964**
DJA	**IX**	**02 06 25 35.5–.70**	**1S–3.0**	**121E–2.0**	**17–7**	**3.7,3.7**	**¶602028969**
DJA	**IX**	**02 11 01 11.4–.30**	**5S–2.0**	**120E–2.0**	**10**	**2.5,2.5**	**¶602028982**
ISC	**IX**	**04 13 27 24.4–.45**	**2.69S–.05**	**119.20E–.06**	**35**	**4.4b**	**73 1-84**
IDC	IX	04 13 27 18.9–.62	2.66S	119.23E	0	4.3,4.3	**¶601674439**
DJA	IX	04 13 27 20.6–.40	3S–2.0	119E–4.0	10	4.9,4.9	
ISCJB	IX	04 13 27 22.1–.26	2.63S–.03	119.16E–.04	33	4.3b,3.7s	
NEIC	IX	04 13 27 25.0–.62	2.65S	119.16E	43–6	4.6b,3.7s	
ISC		Event type se.					
IDC		Error ellipse: s-maj=30.3km s-min=12.8km az=64.0.					
ISCJB		Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=148.4.					
NEIC		Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=57.0.					
DJA	**IX**	**04 15 08 17.9–6.5**	**1S–5.0**	**118E–17**	**25–62**	**3.6,3.6**	**¶602029125**
DJA	**IX**	**05 16 34 03.5–1.9**	**2S–5.0**	**119E–22**	**13–12**	**3.6,3.6**	**¶602029217**
DJA	**IX**	**11 03 25 27.2–.70**	**1S–12**	**122E–6.0**	**29–11**	**3.6,3.6**	**¶602029586**
DJA	**IX**	**11 20 14 49.1–.30**	**1S–2.0**	**120E–3.0**	**10**	**3.7,3.7**	**¶602029638**
ISC	**IX**	**12 22 33 04.0–.52**	**1.37S–.05**	**120.16E–.04**	**10**	**4.2b,3.1s**	**53 1-79**
ISCJB	IX	12 22 33 02.1–.29	1.38S–.03	120.20E–.04	10	4.1b,3.1s	**¶601757203**
DJA	IX	12 22 33 03.8–.20	1S–2.0	120E–3.0	10	5.0b,4.5	
NEIC	IX	12 22 33 03.9–.31	1.39S	120.26E	10	4.3b,4.5	
IDC	IX	12 22 33 10.3–3.0	1.41S	120.37E	63–29	4.1,3.9	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=5.9km s-min=4.7km az=151.8.					
NEIC		Event type se. Error ellipse: s-maj=10.7km s-min=5.2km az=60.0.					
IDC		Error ellipse: s-maj=25.6km s-min=13.0km az=70.0.					
DJA	**IX**	**13 14 00 21.5–.30**	**1S–5.0**	**124E–3.0**	**10**	**3.8,3.8**	**¶602029782**
ISC	**IX**	**16 19 07 33.0–1.1**	**4.05S–.04**	**122.74E–.06**	**12–7**	**3.9b**	**31 0-66**
ISCJB	IX	16 19 07 32.3–.69	4.02S–.03	122.74E–.05	19–6	3.9b	**¶601863670**
DJA	IX	16 19 07 32.6–.30	4S–2.0	123E–2.0	14–2	4.5b,4.4b	
IDC	IX	16 19 07 39.6–3.2	4.09S	122.92E	74–34	4.0,3.8L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=12.2.					
IDC		Error ellipse: s-maj=40.4km s-min=19.8km az=67.0.					
DJA	**IX**	**19 16 02 24.3–.50**	**1S–3.0**	**120E–3.0**	**16–4**	**2.5,2.5**	**¶602030484**
DJA	**IX**	**19 19 06 00.6–.50**	**1S–2.0**	**120E–2.0**	**11–3**	**3.8,3.8**	**¶602030482**
DJA	**IX**	**24 22 03 47.0–.40**	**1S–2.0**	**120E–5.0**	**12–3**	**3.6,3.6**	**¶602030911**
DJA	**IX**	**26 23 48 27.7–.30**	**3S–4.0**	**120E–3.0**	**10**	**3.8,3.8**	**¶602031094**
DJA	**IX**	**30 23 06 07.3–.70**	**1S–4.0**	**120E–7.0**	**11–8**	**3.6,3.6**	**¶602031405**
ISC	**X**	**06 02 15 55.8–.58**	**1.48S–.05**	**123.74E–.04**	**51**	**4.1b**	**43 1-152**
ISCJB	X	06 02 15 53.5–.34	1.48S–.03	123.73E–.03	51	4.1b	**¶601792485**
DJA	X	06 02 15 53.1–.40	1S–2.0	124E–2.0	29–5	5.0b,4.9b	
NEIC	X	06 02 15 55.7–2.1	1.50S	124.19E	45–23	4.3b,4.9b	
IDC	X	06 02 15 55.4–3.5	1.46S	124.28E	40–33	4.1,4.1	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=45.0.					
NEIC		Event type se. Error ellipse: s-maj=19.6km s-min=9.8km az=68.0.					
IDC		Error ellipse: s-maj=31.7km s-min=14.5km az=78.0.					
ISC	**X**	**06 16 23 13.9–2.1**	**1.33S–.04**	**120.22E–.06**	**1–15**	**3.0b**	**15 1-58**
IDC	X	06 16 23 12.7–1.8	1.88S	119.73E	0	3.3,3.1	**¶601997297**
ISCJB	X	06 16 23 14.2–1.8	1.34S–.04	120.15E–.06	1–13	2.9b,3.1	
DJA	X	06 16 23 16.2–.30	1S–2.0	120E–3.0	10	3.1,3.1	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**X**	**12 13 19 06.2–.40**	**3S–2.0**	**122E–3.0**	**71–15**	**3.9,3.9**	**¶601998009**
DJA	**X**	**25 16 54 48.5–.30**	**2S–2.0**	**121E–3.0**	**94–5**	**4.0b,3.6**	**¶601999628**
IDC	**X**	**27 02 22 10.9–1.6**	**5.16S**	**122.98E**	**0**	**3.5,3.3**	**¶601999785**
IDC		Error ellipse: s-maj=228.9km s-min=26.0km az=59.0.					
DJA	**XI**	**02 11 17 43.8–.30**	**2S–3.0**	**120E–3.0**	**10**	**3.8,3.8**	**¶606792845**
DJA	**XI**	**02 17 51 39.9–.30**	**1S–3.0**	**120E–3.0**	**10**	**3.3,3.3**	**¶606792840**
DJA	**XI**	**10 02 12 12.7–.80**	**1S–3.0**	**120E–4.0**	**11–6**	**3.6,3.6**	**¶606792961**
ISC	**XI**	**17 05 27 10.7–1.0**	**3.99S–.06**	**122.59E–.07**	**35**	**3.7b**	**12 1-62**
IDC	XI	17 05 27 05.9–1.4	4.00S	122.55E	0	4.2,4.2s	**¶602389549**
DJA	XI	17 05 27 07.1–.40	4S–4.0	123E–4.0	10	4.9b,4.9b	
ISCJB	XI	17 05 27 08.5–.63	4.04S–.07	122.63E–.07	33	3.8b,4.9b	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**XI**	**19 18 52 21.7–.70**	**1S–4.0**	**120E–6.0**	**16–8**	**3.4,3.4**	**¶606793064**
DJA	**XI**	**26 00 44 49.1–.60**	**3S–5.0**	**121E–7.0**	**10**	**3.7,3.7**	**¶606793154**
DJA	**XI**	**27 08 37 28.3–.30**	**3S–3.0**	**121E–4.0**	**10**	**3.4,3.4**	**¶606793165**
ISC	**XII**	**01 20 15 05.4–.98**	**2.62S–.05**	**121.62E–.06**	**22**	**3.2b**	**16 2-60**
IDC	XII	01 20 15 01.3–1.6	2.22S	122.19E	0	3.5,3.3	**¶602390294**
ISCJB	XII	01 20 15 05.4–.56	2.64S–.05	121.68E–.07	22	3.2b,3.3	
DJA	XII	01 20 15 05.0–.30	3S–2.0	122E–4.0	10	4.0,4.0	
ISC		Event type ke.					
ISCJB		Event type ke.					
ISC	**XII**	**02 02 31 07.2–.95**	**2.65S–.04**	**121.71E–.05**	**22**	**3.6b**	**21 2-60**
IDC	XII	02 02 31 02.3–1.6	2.32S	122.38E	0	4.1,4.1s	**¶602390316**
ISCJB	XII	02 02 31 06.5–.50	2.73S–.04	121.77E–.06	22	3.9s,3.4b	
DJA	XII	02 02 31 07.9–.40	3S–2.0	122E–3.0	115–7	4.1,4.1	
ISC		Event type ke.					
ISCJB		Event type ke.					
ISC	**XII**	**02 03 04 41.1–.81**	**5.60S–.05**	**120.22E–.08**	**10**	**4.1b**	**24 0-66**
IDC	XII	02 03 04 36.9–1.3	4.89S	121.21E	0	4.3,4.3s	**¶601995733**
ISCJB	XII	02 03 04 39.3–.50	5.65S–.03	120.24E–.06	10	4.3s,3.7b	
DJA	XII	02 03 04 40.4–.20	6S–2.0	120E–2.0	10	5.2b,4.7b	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**XII**	**11 15 43 19.6–.50**	**3S–3.0**	**122E–3.0**	**122–11**	**4.5b,4.3b**	**¶606793403**
DJA	**XII**	**11 23 42 56.1–.80**	**2S–2.0**	**121E–3.0**	**13–6**	**4.1b,3.8**	**¶605478499**
ISC	**XII**	**15 19 13 53.5–1.2**	**2.66S–.06**	**121.76E–.06**	**35**	**2.8b**	**14 2-60**
IDC	XII	15 19 13 40.4–1.5	1.55S	122.38E	0	3.0s,3.0	**¶602391407**
DJA	XII	15 19 13 50.9–.20	3S–2.0	122E–3.0	10	3.7b,3.6	
ISCJB	XII	15 19 13 52.0–.60	2.69S–.06	121.83E–.06	33	2.9b,3.6	
ISC		Event type ke.					
ISCJB		Event type ke.					
ISC	**XII**	**18 16 39 25.0–.45**	**1.50S–.04**	**119.68E–.04**	**10**	**4.4b,3.2s**	**72 1-88**
IDC	XII	18 16 39 22.6–.84	1.68S	119.51E	0	4.3,4.2	**¶602047028**
ISCJB	XII	18 16 39 23.2–.26	1.51S–.03	119.66E–.03	10	4.4b,3.2s	
DJA	XII	18 16 39 25.2–.20	1S–2.0	120E–2.0	10	4.8b,4.7b	
NEIC	XII	18 16 39 28.6–.63	1.58S	119.72E	43–7	4.5b,4.7b	
ISC		Event type se.					
IDC		Error ellipse: s-maj=37.5km s-min=14.7km az=60.0.					
ISCJB		Event type se. Error ellipse: s-maj=4.2km s-min=4.0km az=160.9.					
NEIC		Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=52.0.					
ISC	**XII**	**19 12 38 57.9–1.3**	**1.46S–.03**	**120.15E–.04**	**4–11**	**3.9b**	**24 1-58**
IDC	XII	19 12 38 57.7–1.4	0.56S	121.68E	0	4.1,3.9	**¶605478598**
DJA	XII	19 12 39 01.4–.20	1S–1.0	120E–2.0	10	6.5b,6.3	
ISC		Event type ke.					
ISC	**XII**	**20 10 59 45.0–.74**	**1.33S–.04**	**119.96E–.07**	**10**	**4.1b**	**20 0-63**
IDC	XII	20 10 59 42.4–1.4	1.82S	119.44E	0	4.1,4.0b	**¶602391723**
ISCJB	XII	20 10 59 43.9–.50	1.34S–.03	119.94E–.06	10	4.0b,4.0b	
DJA	XII	20 10 59 44.9–.20	1S–2.0	120E–3.0	10	4.2,4.2	
ISC		Event type ke.					
ISCJB		Event type ke.					
ISC	**XII**	**22 02 04 22.6–.30**	**2.87S–.04**	**119.85E–.05**	**35**	**4.9b,4.2s**	**257 0-158**
IDC	XII	22 02 04 16.4–.57	2.58S	120.09E	0	4.7,4.6	**¶602055868**
ISCJB	XII	22 02 04 20.5–.16	2.84S–.02	119.82E–.02	33	4.8b,4.2s	
DJA	XII	22 02 04 20.3–.10	3S–1.0	120E–1.0	10	6.7,5.5b	
MOS	XII	22 02 04 20.1–1.0	2.67S	119.97E	33	5.2b,5.5b	
BJI	XII	22 02 04 21.7	2.70S	119.90E	30	5.2b,4.9b	
NEIC	XII	22 02 04 23.0–.52	2.68S	119.95E	45–5	4.9b,4.9b	
KLM	XII	22 02 04 23.0	2.98S	119.84E	33	5.0b,4.9b	
ISC		Event type fe.					
IDC		Error ellipse: s-maj=27.8km s-min=12.7km az=59.0.					
ISCJB		Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=152.6.					
MOS		Error ellipse: s-maj=13.9km s-min=6.2km az=126.7.					
NEIC		Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=46.0. Felt [III] at Toraja.					
IDC	**XII**	**22 02 36 24.9–1.6**	**5.94S**	**122.90E**	**0**	**3.4,3.2**	**¶602391845**
IDC		Error ellipse: s-maj=217.0km s-min=26.9km az=58.0.					
ISC	**XII**	**28 12 15 15.7–.94**	**1.47S–.04**	**120.01E–.06**	**35**	**3.8b**	**18 1-58**
IDC	XII	28 12 15 10.9–1.5	0.37S	122.19E	0	3.9,3.7	**¶605478707**
DJA	XII	28 12 15 13.4–.20	1S–2.0	120E–3.0	10	4.1b,4.0	
ISCJB	XII	28 12 15 14.2–.56	1.46S–.05	120.00E–.06	33	3.7b,4.0	
ISC		Event type ke.					
ISCJB		Event type ke.					
DJA	**XII**	**30 02 35 56.7–.30**	**3S–2.0**	**119E–2.0**	**10**	**3.3,3.3**	**¶606793653**
ISC	**XII**	**30 19 14 01.1–1.8**	**1.51S–.04**	**120.02E–.07**	**7–14**	**3.4b**	**20 1-58**
ISCJB	XII	30 19 14 00.9–1.4	1.47S–.03	120.04E–.06	4–10	3.3b	**¶602380904**
IDC	XII	30 19 14 00.3–2.0	2.47S	118.90E	0	3.4,3.3	
DJA	XII	30 19 14 03.0–.20	1S–2.0	120E–2.0	10	3.6,3.6	
ISC		Event type ke.					
ISCJB		Event type ke.					

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DJA	**VII**	**03 04 30 30.7–.40**	**0S–7.0**	**125E–4.0**	**10**	**3.8,3.8**	**¶602027414**
ISC	**VII**	**25 19 15 37.6–.84**	**0.20S–.05**	**124.50E–.05**	**72–7**	**4.6b**	**182 1-159**
IDC	VII	25 19 15 28.0–.38	0.21S	124.25E	0	4.5,4.5b	**¶601468521**
BJI	VII	25 19 15 29.5	0.20S	124.50E	17	4.8b,4.8b	
NEIC	VII	25 19 15 33.4–.31	0.20S	124.40E	35	4.8b,4.8b	
GCMT	VII	25 19 15 33.4–.40	0.12S	124.38E	62–2	4.8W,4.8b	
MOS	VII	25 19 15 35.3–1.1	0.17S	124.49E	69	4.9b,4.8b	
ISCJB	VII	25 19 15 35.6–.48	0.18S–.03	124.52E–.03	70–5	4.5b,4.8b	
DJA	VII	25 19 15 37.7–.20	0S–3.0	125E–2.0	44–6	5.3b,5.2	
ISC		Event type se.					
NEIC		Event type se.					
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s27,c34; s55,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.12 $M_{\theta\theta}$0.72±.08; $M_{\phi\phi}$1.22±.10; $M_{r\theta}$0.59±.05; $M_{\theta\phi}$0.81±.06; $M_{\phi r}$-0.09±.09; Best double couple: NP1:ϕ_s230.00000°,δ51.00000°,λ-73.00000°. NP2:ϕ_s24.00000°,δ42.00000°,λ-110.00000°. Principal axes: T 1.8350,Plg4.0000°,Azm308.0000°; N 0.2490,Plg13.0000°,Azm39.0000° ; P -2.0860,Plg76.0000°,Azm200.0000° $M_0$1.96000×10^{16}					
ISCJB		Event type se.					
ISC	**VIII**	**08 11 44 02.3–.64**	**0.34S–.09**	**125.0E–.10**	**52**	**4.2b**	**24 6-125**
IDC	VIII	08 11 43 55.2–.68	0.27S	125.13E	0	4.2,4.2b	**¶601734826**
ISCJB	VIII	08 11 44 00.2–.47	0.32S–.07	125.0E–.10	52	4.2b,4.2b	
NEIC	VIII	08 11 44 00.5–.34	0.28S	125.22E	35	4.5b,4.2b	
ISC		Event type se.					
IDC		Error ellipse: s-maj=35.0km s-min=15.3km az=76.0.					

ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.7km az=165.5.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.8km az=80.0.

ISC	**VIII**	**08 12 35 10.1–.95**	**0.18S–.08**	**125.18E–.06**	**49**	**4.1b**	**17**	**1-76**
IDC	VIII	08 12 35 02.8–1.4	0.09S	125.45E	0	3.9,3.8		¶601765656
ISCJB	VIII	08 12 35 09.1–.58	0.24S–.07	125.12E–.06	49	3.8b,3.2s		
DJA	VIII	08 12 35 11.3–.50	0S–5.0	125E–3.0	50–21	4.6b,4.4b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**17 03 09 34.9–.84**	**0.10S–.08**	**125.53E–.03**	**10**	**4.2b**	**14**	**2-64**
IDC	VIII	17 03 09 33.7–1.2	0.00N	125.54E	0	4.2b,4.2		¶601765964
ISCJB	VIII	17 03 09 37.5–.79	0.31S–.08	125.50E–.06	10	4.0b,2.5s		
DJA	VIII	17 03 09 40.7–.40	0S–4.0	126E–2.0	10	3.9,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**VIII**	**27 19 39 43.7–.30**	**0S–4.0**	**125E–3.0**	**10**	**4.4b,3.9**		
								¶602028750
IDC	**IX**	**03 04 33 08.1–1.6**	**0.74S**	**126.68E**	**0**	**3.6,3.5**		
								¶601862834
IDC	Error ellipse: s-maj=118.0km s-min=22.4km az=69.0.							
ISC	**IX**	**11 15 31 02.4–.70**	**0.23S–.06**	**125.21E–.04**	**52**	**3.8b**	**43**	**1-60**
IDC	IX	11 15 30 55.6–1.0	0.29S	124.95E	0	4.1,3.9		¶601734481
ISCJB	IX	11 15 31 00.5–.39	0.28S–.04	125.14E–.03	52	3.8b,3.4s		
DJA	IX	11 15 31 01.2–.90	0S–3.0	125E–2.0	26–8	4.7b,4.5b		
NEIC	IX	11 15 31 03.8–.89	0.31S	125.27E	72–10	4.0b,4.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.5km s-min=17.9km az=72.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=27.0.							
NEIC	Event type se. Error ellipse: s-maj=10.3km s-min=9.6km az=80.0.							
ISC	**IX**	**14 14 39 54.4–.89**	**1.00S–.05**	**126.97E–.05**	**34**	**3.7b**	**19**	**1-62**
IDC	IX	14 14 39 49.1–1.5	0.93S	127.34E	0	3.9,3.7		¶601863529
ISCJB	IX	14 14 39 53.5–.48	1.01S–.05	126.96E–.04	34	3.7b,3.7		
DJA	IX	14 14 39 53.4–.50	1S–2.0	127E–2.0	19–5	5.1b,4.5		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**X**	**01 05 19 07.3–.30**	**0S–3.0**	**124E–2.0**	**71–10**	**4.7b,4.4b**		
								¶601996361
ISC	**X**	**08 04 30 15.2–.80**	**0.07S–.05**	**125.42E–.04**	**49**	**3.8b**	**23**	**2-72**
IDC	X	08 04 30 09.4–1.5	0.13S	125.34E	0	3.7,3.6		¶601997453
ISCJB	X	08 04 30 13.4–.42	0.07S–.04	125.40E–.03	49	3.7b,3.6		
DJA	X	08 04 30 14.4–.40	0S–2.0	125E–2.0	58–14	3.8,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**12 06 14 32.4–.71**	**0.43S–.06**	**126.89E–.06**	**35**	**4.2b**	**35**	**1-129**
IDC	X	12 06 14 25.6–1.6	0.06S	127.46E	0	4.0,3.9		¶601870032
ISCJB	X	12 06 14 29.8–.38	0.40S–.04	126.73E–.04	33	4.2b,3.9		
DJA	X	12 06 14 29.7–.80	0S–4.0	127E–8.0	18–20	4.7b,4.7b		
NEIC	X	12 06 14 35.0–1.3	0.26S	127.15E	71–14	4.0b,4.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=100.8km s-min=21.8km az=68.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=34.0.							
NEIC	Event type se. Error ellipse: s-maj=25.5km s-min=8.0km az=72.0.							
IDC	**X**	**13 22 31 06.7–1.5**	**1.30S**	**126.91E**	**0**	**3.4,3.2**		
								¶601998157
IDC	Error ellipse: s-maj=36.3km s-min=25.0km az=53.0.							
ISC	**X**	**14 14 42 09.8–.71**	**0.42S–.05**	**124.30E–.05**	**100**	**3.9b**	**26**	**1-90**
IDC	X	14 14 41 59.0–1.0	0.32S	124.08E	0	3.9,3.8		¶601834407
ISCJB	X	14 14 42 08.1–.43	0.41S–.05	124.24E–.04	100	3.6b,3.8		
DJA	X	14 14 42 09.0–1.1	0S–2.0	124E–2.0	33–17	4.4,4.4b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**17 15 19 01.9–1.1**	**0.98S–.08**	**126.75E–.08**	**35**		**10**	**1-61**
IDC	X	17 15 18 57.3–1.6	1.33S	126.61E	0	3.5,3.4		¶601998679
DJA	X	17 15 18 59.2–.40	1S–4.0	127E–3.0	10	3.4,3.4		
ISCJB	X	17 15 19 01.3–.85	0.93S–.09	126.74E–.07	33	3.4b,3.4		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**17 15 58 57.7–.72**	**1.16S–.04**	**126.86E–.04**	**51–6**	**4.8b,3.6s**	**195**	**1-152**
ISCJB	X	17 15 58 56.0–.40	1.11S–.02	126.85E–.02	48–4	4.8b,3.7s		¶601837580
BJI	X	17 15 58 55.5	1.10S	126.90E	39	5.2b,4.8b		
NEIC	X	17 15 58 56.4–.62	1.13S	126.88E	42–6	4.7b,4.8b		
DJA	X	17 15 58 56.4–.70	1S–2.0	127E–2.0	18–6	5.5b,5.1b		
IDC	X	17 15 58 56.2–1.6	1.13S	126.85E	39–13	4.6,4.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=3.7km az=43.9.							
NEIC	Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=59.0.							
IDC	Error ellipse: s-maj=15.0km s-min=10.2km az=75.0.							
ISC	**X**	**18 16 26 53.8–.86**	**0.05S–.04**	**125.68E–.03**	**48–8**	**4.7b**	**157**	**2-125**
IDC	X	18 16 26 52.7–3.5	0.07S	125.67E	36–28	4.4,4.3		¶601838482
NEIC	X	18 16 26 52.2–.88	0.14S	125.56E	38–8	4.9b,4.3		
ISCJB	X	18 16 26 53.9–.37	0.06S–.03	125.63E–.02	68–4	4.7b,4.3		
BJI	X	18 16 26 53.7	0.82N	125.66E	10	5.0b,4.6b		
DJA	X	18 16 26 53.8–1.1	0N–2.0	126E–2.0	19–10	4.9b,4.7b		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
IDC	**X**	**22 17 17 03.0–1.8**	**0.55S**	**125.16E**	**0**	**3.2,3.1**		
								¶601999294
IDC	Error ellipse: s-maj=188.2km s-min=25.6km az=64.0.							
IDC	**X**	**24 18 52 53.5–1.3**	**0.33S**	**125.05E**	**0**	**3.4,3.3**		
								¶601999522
IDC	Error ellipse: s-maj=140.7km s-min=22.8km az=67.0.							
ISC	**X**	**27 21 10 21.2–.34**	**0.12S–.04**	**125.35E–.04**	**49**	**4.4b,3.6s**	**119**	**2-123**
IDC	X	27 21 10 14.2–.44	0.15S	125.08E	0	4.4,4.4		¶601852936
NEIC	X	27 21 10 17.1–3.7	0.20S	125.14E	21–27	4.6b,4.4		
ISCJB	X	27 21 10 19.6–.23	0.07S–.03	125.31E–.03	49	4.5b,3.6s		
DJA	X	27 21 10 22.4–.20	0S–3.0	125E–2.0	54–4	5.7b,5.2		
KLM	X	27 21 10 34.0	0.15S	125.47E	199	4.6b,5.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.2km s-min=10.6km az=70.0.							
NEIC	Event type se. Error ellipse: s-maj=12.0km s-min=9.6km az=92.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=44.0.							
ISC	**X**	**27 21 38 48.7–1.1**	**0.32S–.08**	**125.16E–.05**	**44**	**3.4b**	**11**	**1-60**
IDC	X	27 21 38 40.5–1.4	0.51N	126.70E	0	3.6,3.5		¶601999865
ISCJB	X	27 21 38 47.6–.62	0.34S–.08	125.15E–.05	44	3.4b,3.5		
DJA	X	27 21 38 47.3–2.2	0S–6.0	125E–3.0	17–19	3.9,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**X**	**29 13 25 05.5–.50**	**0S–6.0**	**124E–3.0**	**67–15**	**4.2b,4.0**		
								¶602000286
ISC	**X**	**29 15 29 52.7–.35**	**0.15S–.03**	**125.26E–.03**	**57–2**	**5.5b,5.0s**	**1045**	**1-175**
BJI	X	29 15 29 45.6	0.86S	125.45E	62	5.4b,5.3b		¶601861577
MOS	X	29 15 29 49.5–1.1	0.04S	125.17E	36	5.7b,4.9s		
NEIC	X	29 15 29 49.0–.00	0.15S	125.35E	23	5.7b,4.9s		
IDC	X	29 15 29 50.8–1.2	0.13S	125.16E	35–8	5.4,5.2b		
NEIC	X	29 15 29 50.4–.12	0.14S	125.19E	35	5.7W,5.6b		
ISCJB	X	29 15 29 51.4–.28	0.17S–.01	125.23E–.02	59–2	5.5b,5.0s		
GCMT	X	29 15 29 52.4–.10	0.34S–.01	125.36E–.01	36–0	5.7W,5.0s		
DJA	X	29 15 29 53.0–.90	0S–2.0	125E–1.0	38–12	5.8b,5.7		
KLM	X	29 15 29 58.0	0.08S	125.50E	90	5.9b,5.7		
ISC	Event type se.							
MOS	Error ellipse: s-maj=7.5km s-min=4.4km az=117.2.							

NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-2.24 $M_{\phi\phi}$-0.33 $M_{r\theta}$0.74 $M_{\theta\phi}$-1.43 $M_{\phi r}$3.06 Best double couple: NP1:ϕ_s31.00000° ,δ70.00000°,λ65.00000°. NP2:ϕ_s265.00000°,δ31.00000°,λ139.00000°. Principal axes: T 4.5100,Plg57.0000°,Azm267.0000°; N -0.6500,Plg23.0000°,Azm39.0000° ; P -3.8600,Plg21.0000°,Azm139.0000° M_o4.20000×10^{17}

IDC Error ellipse: s-maj=8.9km s-min=6.8km az=85.0.

NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=68.0. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.88 $M_{\theta\phi}$0.39 $M_{\phi r}$1.01 Best double couple: NP1:ϕ_s306.00000°,δ38.00000°,λ134.00000°. NP2:ϕ_s75.00000° ,δ64.00000°,λ62.00000°. Principal axes: T 2.2200,Plg60.0000°,Azm302.0000° ; N -0.6300,Plg25.0000°,Azm88.0000°; P -1.5900,Plg14.0000°,Azm185.0000° M_o2.00000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=157.4.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c229; s110,c261; Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.15±.04 $M_{\theta\theta}$-1.78±.04; $M_{\phi\phi}$-1.37±.04; $M_{r\theta}$1.19±.05; $M_{\theta\phi}$-2.11±.03; $M_{\phi r}$2.16±.06; Best double couple: NP1:ϕ_s36.00000°,δ63.00000° ,λ78.00000°. NP2:ϕ_s242.00000°,δ29.00000°,λ113.00000°. Principal axes: T 4.0370,Plg69.0000°,Azm281.0000°; N 0.3890,Plg11.0000°,Azm41.0000° ; P -4.4260,Plg17.0000°,Azm135.0000° M_o4.23100×10^{17}

ISC	**X**	**29 17 00 35.0–.72**	**0.17S–.07**	**125.27E–.05**	**49**	**3.7b**	**25**	**1-123**
IDC	X	29 17 00 28.3–.82	0.18S	124.96E	0	3.8,3.7		¶602000316
DJA	X	29 17 00 33.8–1.5	0S–4.0	125E–2.0	12–12	4.7b,4.3		
ISCJB	X	29 17 00 34.5–.47	0.24S–.06	125.28E–.04	49	3.7b,3.2s		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**X**	**30 14 56 24.5–.60**	**0S–5.0**	**126E–4.0**	**10**	**3.6,3.6**		
								¶602000492
DJA	**XI**	**03 18 50 28.5–.30**	**0S–3.0**	**125E–2.0**	**10**	**3.6,3.6**		
								¶606792857
ISC	**XI**	**05 00 30 00.3–.28**	**0.16S–.04**	**125.31E–.05**	**49**	**5.1b,4.5s**	**358**	**2-168**
BJI	XI	05 00 29 50.1	0.95S	125.53E	29	5.4b,5.0b		¶601871353
IDC	XI	05 00 29 54.0–.46	0.06S	125.07E	0	4.8,4.8b		
MOS	XI	05 00 29 57.9–.95	0.01S	125.14E	39	5.4b,4.8b		
ISCJB	XI	05 00 29 58.7–.15	0.10S–.02	125.31E–.02	49	5.1b,4.5s		
NEIC	XI	05 00 29 59.2–.77	0.14S	125.24E	40–7	5.2b,4.5s		
GCMT	XI	05 00 30 01.2–.20	0.27S–.01	125.19E–.02	37–0	5.3W,4.5s		
DJA	XI	05 00 30 01.4–.30	0S–2.0	125E–2.0	39–3	5.5b,5.3		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c144; s95,c145;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.03 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$-0.36±.02; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$-0.64±.02; $M_{\phi r}$0.61±.03; Best double couple: NP1:ϕ_s36.00000°,δ61.00000°,λ73.00000°. NP2:ϕ_s248.00000°,δ33.00000°,λ117.00000°. Principal axes: T 1.2460,Plg69.0000° ,Azm271.0000°; N 0.0640,Plg15.0000°,Azm44.0000°; P -1.3100,Plg15.0000°,Azm138.0000° M_o1.27800×10^{17}

DJA	**XI**	**07 00 53 30.9–1.3**	**0S–4.0**	**125E–3.0**	**25–15**	**5.0b,4.6b**		
								¶606792924
ISC	**XI**	**07 23 48 18.5–.73**	**0.75S–.05**	**125.97E–.05**	**42**	**4.4b**	**25**	**1-153**
IDC	XI	07 23 48 12.5–.76	0.78S	125.73E	0	4.5,4.4		¶602389001
ISCJB	XI	07 23 48 16.8–.43	0.72S–.04	125.96E–.05	42	4.4b,4.4		
DJA	XI	07 23 48 18.8–.30	1S–3.0	126E–3.0	54–11	5.1b,5.0b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XI**	**12 17 51 27.4–.84**	**0.11S–.07**	**125.42E–.05**	**53**	**3.6b**	**19**	**2-60**
IDC	XI	12 17 51 20.3–1.0	0.23S	125.00E	0	3.6,3.5		¶602389299
ISCJB	XI	12 17 51 25.4–.57	0.08S–.06	125.42E–.05	53	3.5b,3.5		
DJA	XI	12 17 51 25.6–.30	0S–3.0	125E–3.0	10	4.0b,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XI**	**14 01 55 29.9–1.0**	**0.12S–.05**	**125.34E–.04**	**59–10**	**4.2b,3.1s**	**58**	**2-123**
ISCJB	XI	14 01 55 28.8–.43	0.12S–.04	125.32E–.03	70–5	4.0b,3.1s		¶601897474
NEIC	XI	14 01 55 28.9–.82	0.11S	125.31E	53–8	4.1b,3.1s		
IDC	XI	14 01 55 29.3–2.9	0.14S	125.22E	57–27	4.1,4.0		
DJA	XI	14 01 55 29.5–1.2	0S–3.0	125E–2.0	29–15	4.4,4.3		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
DJA	**XI**	**17 14 55 35.0–.70**	**0S–5.0**	**125E–4.0**	**57–22**	**3.5,3.5**		
								¶606793040
IDC	**XI**	**22 04 15 25.3–1.8**	**1.07S**	**125.60E**	**0**	**4.0,3.9**		
								¶602389820
IDC	Error ellipse: s-maj=176.9km s-min=24.7km az=64.0.							
ISC	**XI**	**27 06 12 30.2–1.2**	**0.1S–.20**	**126.1E–.20**	**44**	**3.6b**	**7**	**5-65**
IDC	XI	27 06 12 24.4–.98	0.09S	126.00E	0	3.8,3.7		¶602390041
ISCJB	XI	27 06 12 28.1–.83	0.1S–.10	126.1E–.10	44	3.6b,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**04 14 21 06.3–1.1**	**0.28S–.06**	**124.58E–.06**	**53**	**3.4b**	**15**	**1-60**
IDC	XII	04 14 20 58.6–1.9	0.31N	125.61E	0	3.7,3.4		¶602390454
ISCJB	XII	04 14 21 05.2–.72	0.31S–.06	124.58E–.05	53	3.4b,3.4		
DJA	XII	04 14 21 05.5–.60	0S–4.0	125E–3.0	70–14	4.0b,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**XII**	**08 13 57 50.8–2.6**	**0.40S**	**125.00E**	**0**	**3.3,3.2**		
								¶602390819
IDC	Error ellipse: s-maj=417.5km s-min=25.1km az=64.0.							
DJA	**XII**	**17 10 00 38.9–1.4**	**1S–7.0**	**124E–6.0**	**55–22**	**3.5,3.5**		
								¶606793473
IDC	**XII**	**19 05 23 45.0–1.9**	**0.07S**	**124.57E**	**0**	**3.3,3.2**		
								¶602391654
IDC	Error ellipse: s-maj=222.9km s-min=26.4km az=63.0.							
IDC	**XII**	**20 20 04 30.5–2.1**	**1.84S**	**125.97E**	**0**	**3.2,3.2**		
								¶602391751
IDC	Error ellipse: s-maj=174.3km s-min=28.7km az=64.0.							
ISC	**XII**	**22 09 29 04.9–1.4**	**1.3S–.10**	**124.45E–.07**	**10**		**7**	**2-60**
ISCJB	XII	22 09 29 03.9–1.2	1.2S–.10	124.44E–.08	10	3.0b		¶602391858
DJA	XII	22 09 29 06.5–.90	1S–8.0	124E–5.0	54–54	3.8,3.8		
IDC	XII	22 09 29 10.0–1.9	0.85S	123.76E	0	3.3,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=20.1km s-min=11.1km az=4.8.							
IDC	Error ellipse: s-maj=356.1km s-min=25.6km az=62.0.							
ISC	**XII**	**25 10 23 38.5–.61**	**0.47S–.06**	**125.70E–.06**	**35**	**4.2b**	**33**	**2-65**
IDC	XII	25 10 23 33.2–.95	0.50S	125.38E	0	4.2,4.2		¶602380581
ISCJB	XII	25 10 23 36.2–.37	0.45S–.04	125.54E–.07	35	4.2b,2.8s		
NEIC	XII	25 10 23 38.0–.31	0.47S	125.56E	35	4.2b,2.8s		
DJA	XII	25 10 23 38.4–.40	0S–5.0	126E–4.0	10	4.2b,4.0		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**XII**	**25 14 12 24.0–.54**	**0.32S–.05**	**125.26E–.04**	**57**	**4.0b**	**57**	**2-74**
IDC	XII	25 14 12 17.6–.94	0.30S	125.00E	0	4.0,3.8		¶602324114
ISCJB	XII	25 14 12 22.7–.31	0.34S–.03	125.18E–.03	57	4.0b,2.5s		
NEIC	XII	25 14 12 22.9–.84	0.22S	125.21E	43–10	4.2b,2.5s		
DJA	XII	25 14 12 23.9–.80	0S–2.0	125E–2.0	33–11	4.6b,4.5b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**XII**	**27 19 32 12.4–.69**	**0.97S–.07**	**126.94E–.06**	**34**	**3.9b**	**30**	**1-66**
IDC	XII	27 19 32 07.4–1.0	1.14S	126.60E	0	4.1,3.9		¶602380676
ISCJB	XII	27 19 32 10.5–.41	1.06S–.05	126.85E–.06	34	3.9b,3.9		
DJA	XII	27 19 32 11.9–.30	1S–4.0	127E–3.0	10	5.0b,4.5b		
NEIC	XII	27 19 32 12.2–.84	1.12S	126.78E	36–9	4.1b,4.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=34.7km s-min=17.0km az=67.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.8km s-min=7.0km az=143.8.							
NEIC	Event type se. Error ellipse: s-maj=10.8km s-min=5.6km az=64.0.							

(270) Ceram Sea.

ISC	**VII**	**11 00 51 35.6–.94**	**2.03S–.06**	**127.32E–.07**	**10**	**3.8b**	**14**	**1-67**
IDC	VII	11 00 51 33.2–1.2	2.02S	127.28E	0	3.8,3.8L		¶601664409
ISCJB	VII	11 00 51 34.4–.62	1.86S–.07	127.34E–.05	10	3.6b,3.8L		
DJA	VII	11 00 51 36.7–.40	2S–4.0	127E–4.0	10	4.7b,4.2b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VII**	**11 01 11 39.6–1.3**	**2.03S–.04**	**127.40E–.04**	**28–9**	**4.8b,3.9s**	**239**	**1-156**
BJI	VII	11 01 11 32.0	2.38S	127.94E	24	5.0b,4.9b		¶601261269
IDC	VII	11 01 11 35.2–.44	1.90S	127.37E	0	4.6,4.6		
GCMT	VII	11 01 11 37.8–.30	1.92S	127.23E	21–1	4.9W,4.6		
MOS	VII	11 01 11 37.7–1.4	1.98S	127.39E	31	4.9b,4.6		

NEIC VII 11 01 11 37.8–2.7 2.02S 127.38E 18–17 5.0b,4.6
DJA VII 11 01 11 38.7–1.1 2S–2.0 127E–2.0 10–9 5.6,5.2b
ISCJB VII 11 01 11 38.9–.42 2.02S–.02 127.41E–.02 38–4 4.8b,3.8s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s28,c32; s68,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.10±.15 $M_{\theta\theta}$-2.17±.09; $M_{\phi\phi}$0.06±.11; $M_{r\theta}$0.57±.14; $M_{\theta\phi}$0.66±.07; $M_{\phi r}$-1.44±.24; Best double couple: NP1:ϕ_s130.00000°,δ62.00000°,λ117.00000°. NP2:ϕ_s263.00000°,δ38.00000°,λ50.00000°. Principal axes: T 2.8550,Plg63.0000°,Azm85.0000°; N -0.2960,Plg23.0000°,Azm297.0000° ; P -2.5600,Plg13.0000°,Azm201.0000° $M_0$2.70800×10^{16}
NEIC Event type se.
ISCJB Event type se.
IDC VII 12 10 06 06.7–1.1 2.01S 127.30E 0 3.7,3.7b
¶601664477
IDC Error ellipse: s-maj=33.2km s-min=21.1km az=58.0.
IDC VII 15 12 20 05.9–1.9 2.49S 127.68E 0 3.5,3.4
¶601664623
IDC Error ellipse: s-maj=184.0km s-min=23.1km az=67.0.
DJA VII 17 15 23 05.7–1.1 3S–9.0 129E–4.0 13–14 3.9b,3.7
¶602027752
ISC VII 17 22 50 08.8–1.1 2.86S–.07 128.77E–.09 38 3.6b 10 1-68
IDC VII 17 22 50 05.5–1.8 3.37S 127.73E 0 3.8L,3.7 **¶601664750**
DJA VII 17 22 50 06.1–1.0 3S–7.0 129E–4.0 15–11 4.8b,4.6b
ISCJB VII 17 22 50 07.1–.66 2.85S–.07 128.75E–.08 38 3.5b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 26 00 31 47.8–.88 2.68S–.06 127.36E–.06 32 3.8b 14 1-67
IDC VII 26 00 31 42.3–1.7 2.21S 128.40E 0 4.3L,4.1 **¶601666447**
ISCJB VII 26 00 31 47.0–.65 2.62S–.05 127.38E–.06 32 3.8b,4.1
DJA VII 26 00 31 47.3–.90 3S–3.0 127E–3.0 16–10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 03 11 31 23.3–2.0 2.16S 127.45E 0 3.4,3.3L
¶601765395
IDC Error ellipse: s-maj=145.4km s-min=25.7km az=66.0.
IDC VIII 18 15 37 44.3–8.1 2.63S 128.07E 269–103 4.0,3.5
¶601766069
IDC Error ellipse: s-maj=140.3km s-min=18.3km az=78.0.
ISC VIII 19 07 23 55.3–.40 2.35S–.05 125.02E–.04 35 4.8b,3.1s 92 1-151
BJI VIII 19 07 23 50.6 2.75S 124.74E 10 4.8b,4.7b **¶601565887**
ISCJB VIII 19 07 23 53.3–.23 2.35S–.03 124.99E–.03 33 4.6b,3.2s
NEIC VIII 19 07 23 53.9–1.6 2.39S 125.02E 26–12 4.7b,3.2s
DJA VIII 19 07 23 53.5–.20 2S–2.0 125E–2.0 10 5.1b,4.9b
IDC VIII 19 07 23 56.7–2.1 2.35S 125.05E 49–20 4.5L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=17.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=56.0.
IDC Error ellipse: s-maj=18.5km s-min=10.1km az=66.0.
IDC VIII 30 14 15 44.8–13 2.96S 127.61E 268–167 3.6,3.1
¶601755625
IDC Error ellipse: s-maj=94.7km s-min=34.9km az=86.0.
ISC IX 02 07 37 37.1–1.1 2.27S–.04 128.09E–.04 47–12 3.8b 29 1-151
IDC IX 02 07 37 31.2–.84 2.31S 128.04E 0 4.0,4.0L **¶601862770**
ISCJB IX 02 07 37 36.7–.47 2.27S–.03 128.20E–.04 64–6 3.9b,4.0L
DJA IX 02 07 37 36.6–1.1 2S–2.0 128E–2.0 33–17 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 08 16 28.3–.52 2.33S–.03 128.05E–.04 32 4.6b 45 1-151
IDC IX 02 08 16 24.6–1.0 2.31S 128.03E 0 4.1,4.1L **¶601826756**
ISCJB IX 02 08 16 27.6–.34 2.36S–.04 128.11E–.03 32 4.7b,3.4s
NEIC IX 02 08 16 29.6–.34 2.61S 127.43E 35 4.3b,3.4s
DJA IX 02 08 16 29.3–.90 2S–2.0 128E–2.0 22–8 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 02 10 55 43.8–1.9 2.21S 128.85E 0 3.9,3.7
¶601862779
IDC Error ellipse: s-maj=98.4km s-min=14.4km az=70.0.
IDC IX 06 11 03 34.0–1.9 2.32S 125.29E 0 3.4,3.4L
¶601863037
IDC Error ellipse: s-maj=163.4km s-min=27.2km az=63.0.
IDC IX 29 06 22 00.8–2.3 2.58S 127.41E 0 3.3,3.2
¶601857482
IDC Error ellipse: s-maj=211.1km s-min=27.0km az=66.0.
IDC X 04 08 30 25.6–2.0 2.18S 128.26E 0 3.8L,3.5
¶601997013
IDC Error ellipse: s-maj=144.0km s-min=25.9km az=68.0.
IDC X 06 06 15 10.2–15 2.31S 127.53E 443–152 3.6,2.9
¶601997249
IDC Error ellipse: s-maj=152.1km s-min=128.0km az=5.0.
IDC X 09 13 16 11.2–2.0 2.39S 127.20E 0 3.7,3.7L
¶601997660
IDC Error ellipse: s-maj=183.8km s-min=25.1km az=66.0.
DJA X 10 13 11 56.1–.50 2S–7.0 129E–3.0 10 5.0b,4.4b
¶601997762
ISC X 12 02 47 48.7–.76 2.19S–.05 128.57E–.07 34 17 2-97
IDC X 12 02 47 43.5–1.5 2.18S 128.29E 0 3.9,3.9L **¶601997952**
ISCJB X 12 02 47 47.5–.57 2.15S–.07 128.51E–.05 34 3.8b,3.9L
DJA X 12 02 47 49.6–1.7 2S–5.0 129E–3.0 38–22 4.9b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 09 10 33.8–.42 2.91S–.04 128.03E–.04 38 4.3b,3.3s 87 1-150
ISCJB XI 08 09 10 32.0–.24 2.91S–.03 127.99E–.03 38 4.3b,3.4s **¶601880506**
DJA XI 08 09 10 33.4–.40 3S–2.0 128E–2.0 22–5 5.0b,4.7b
NEIC XI 08 09 10 33.4–.20 2.95S 128.01E 35 4.3b,4.7b
IDC XI 08 09 10 34.0–3.6 2.96S 128.05E 37–30 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=44.7.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=62.0.
IDC Error ellipse: s-maj=29.8km s-min=8.6km az=75.0.
ISC XI 24 11 24 47.1–.69 2.31S–.06 125.96E–.06 20 3.8b 31 0-62
ISCJB XI 24 11 24 45.3–.37 2.38S–.04 125.95E–.04 20 4.5b **¶602082456**
DJA XI 24 11 24 47.8–.40 2S–4.0 126E–2.0 23–3 4.9b,4.3b
NEIC XI 24 11 24 48.4–.55 2.30S 125.99E 35 4.0b,4.3b
IDC XI 24 11 24 50.8–6.9 2.43S 126.05E 57–76 3.8,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=5.1km az=162.1.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=8.7km az=60.0. Felt [III] at Sanana.
IDC Error ellipse: s-maj=48.7km s-min=21.2km az=98.0.
IDC XI 29 21 03 38.2–1.4 2.73S 128.68E 0 4.0,3.8
¶602390191
IDC Error ellipse: s-maj=40.0km s-min=23.6km az=82.0.
ISC XII 01 20 41 21.5–.80 2.84S–.06 126.15E–.07 21 3.7b 20 1-78
ISCJB XII 01 20 41 20.1–.55 2.85S–.06 126.12E–.06 21 3.7b **¶602390295**
DJA XII 01 20 41 21.9–.40 3S–4.0 126E–3.0 10 4.8b,4.4b
IDC XII 01 20 41 31.3–5.3 2.87S 126.69E 120–57 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.4km az=136.8.
IDC Error ellipse: s-maj=48.5km s-min=16.3km az=96.0.
IDC XII 21 14 06 38.1–1.9 2.78S 126.74E 0 3.5,3.4b
¶602391813
IDC Error ellipse: s-maj=157.8km s-min=28.1km az=68.0.

(271) Buru.

IDC IX 12 09 19 53.0–1.9 3.03S 126.81E 0 3.6,3.5b
¶601863403
IDC Error ellipse: s-maj=150.4km s-min=24.3km az=68.0.

(272) Seram.

ISC VII 03 10 28 51.2–.74 2.98S–.05 130.18E–.05 25 3.9b 19 1-69
ISCJB VII 03 10 28 50.6–.52 3.15S–.05 130.25E–.05 25 4.1s,3.8b **¶601663431**
DJA VII 03 10 28 52.8–2.5 3S–5.0 130E–3.0 29–27 3.9,3.9
IDC VII 03 10 28 55.1–3.1 3.14S 130.59E 53–34 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.9km az=32.0.
IDC Error ellipse: s-maj=43.8km s-min=12.1km az=80.0.
ISC VII 10 22 31 07.9–.93 3.55S–.07 128.58E–.05 100 16 0-69
ISCJB VII 10 22 31 09.3–.59 3.43S–.06 128.60E–.05 100 3.5b **¶601664403**
DJA VII 10 22 31 09.5–.70 4S–6.0 129E–4.0 97–8 4.0,4.0
IDC VII 10 22 31 11.0–7.8 3.59S 129.01E 154–94 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.3km az=10.9.
IDC Error ellipse: s-maj=121.1km s-min=17.5km az=84.0.
ISC VII 12 15 40 16.8–.20 2.92S–.03 129.35E–.03 39–2 5.3b,5.0s 701 1-170
KLM VII 12 15 40 11.0 3.03S 129.57E 4 5.7b,5.0s **¶601268268**
IDC VII 12 15 40 11.2–.29 2.87S 129.24E 0 5.0,5.0b
GCMT VII 12 15 40 12.6–.10 2.82S 129.20E 22–0 5.5W,5.0b
NEIC VII 12 15 40 12.6–.40 2.89S 129.32E 10–2 5.5b,5.1s
ISCJB VII 12 15 40 13.5–.58 2.91S–.02 129.38E–.02 28–4 5.3b,4.9s
MOS VII 12 15 40 14.8–1.1 2.85S 129.33E 33 5.4b,4.8s
DJA VII 12 15 40 18.2–.20 3S–2.0 129E–1.0 44–2 5.9b,5.8
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s113,c187; s123,c225;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.03 $M_{\theta\theta}$-1.50±.02; $M_{\phi\phi}$1.36±.03; $M_{r\theta}$-0.03±.03; $M_{\theta\phi}$0.97±.02; $M_{\phi r}$0.89±.05; Best double couple: NP1:ϕ_s330.00000°,δ80.00000°,λ156.00000°. NP2:ϕ_s65.00000° ,δ66.00000°,λ11.00000°. Principal axes: T 2.0370,Plg24.0000°,Azm285.0000° ; N -0.1910,Plg64.0000°,Azm128.0000°; P -1.8460,Plg9.0000°,Azm19.0000° $M_0$1.94200×10^{17}
NEIC Event type se.
ISCJB Event type se.
DJA VII 12 15 55 14.7–.60 3S–4.0 129E–6.0 10 4.5b,3.9
¶602027618
ISC VII 13 02 05 21.3–.76 2.77S–.04 129.22E–.05 33 4.0b 23 1-74
DJA VII 13 02 05 20.9–.50 3S–3.0 129E–3.0 11–5 5.4b,4.9 **¶601456895**
NEIC VII 13 02 05 22.8–.84 2.82S 129.27E 35 4.1b,4.9
IDC VII 13 02 05 24.7–3.7 2.92S 129.08E 56–37 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=46.9km s-min=9.9km az=74.0.
IDC Error ellipse: s-maj=30.1km s-min=12.1km az=79.0.
IDC VII 13 03 28 19.4–1.2 2.97S 129.37E 0 4.1,4.1L
¶601664511
IDC Error ellipse: s-maj=34.5km s-min=22.8km az=88.0.
DJA VII 13 14 33 58.9–1.6 3S–5.0 130E–3.0 15–13 3.3,3.3
¶602027648
IDC VII 15 01 50 12.7–1.3 2.95S 129.24E 0 3.7,3.6
¶601664601
IDC Error ellipse: s-maj=36.2km s-min=22.2km az=93.0.
IDC VII 21 06 21 00.9–1.4 3.16S 128.69E 0 4.7L,4.2
¶601664909
IDC Error ellipse: s-maj=103.7km s-min=19.1km az=65.0.
DJA VII 25 19 29 27.8–1.4 3S–5.0 130E–3.0 11–13 3.7,3.7
¶602027994
DJA VII 29 01 12 20.7–.40 4S–4.0 128E–3.0 11–2 5.5b,4.2
¶602028060
ISC VII 30 07 09 27.7–.80 3.40S–.05 129.37E–.04 35 3.8b 20 0-75
IDC VII 30 07 09 22.3–1.6 3.25S 129.84E 0 4.0,3.9 **¶601650762**
DJA VII 30 07 09 24.9–.60 3S–2.0 129E–2.0 14–4 4.7b,4.1
ISCJB VII 30 07 09 25.8–.47 3.36S–.04 129.38E–.04 33 3.9b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 01 10 28 12.4–1.6 3.08S 130.29E 0 3.8,3.6
¶601765309
IDC Error ellipse: s-maj=53.0km s-min=21.1km az=96.0.
ISC VIII 01 16 41 21.1–.47 3.05S–.05 130.13E–.04 25 4.1b 55 1-87
IDC VIII 01 16 41 17.2–.68 3.12S 130.03E 0 4.2,4.1 **¶601499064**
ISCJB VIII 01 16 41 18.9–.29 3.11S–.03 130.08E–.03 25 4.2b,3.7s
DJA VIII 01 16 41 23.0–1.0 3S–3.0 130E–2.0 32–15 5.0b,4.9b
NEIC VIII 01 16 41 24.4–1.4 3.16S 130.20E 61–15 4.3b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=13.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.6km az=87.0.
ISC VIII 02 14 52 37.7–.92 3.40S–.05 129.38E–.04 35 20 0-69
IDC VIII 02 14 52 33.5–1.3 3.45S 129.39E 0 3.9,3.8 **¶601765353**
DJA VIII 02 14 52 34.7–.30 3S–2.0 129E–2.0 10 4.5b,3.9
ISCJB VIII 02 14 52 36.0–.48 3.39S–.04 129.39E–.03 33 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 02 15 10 45.5–.46 3.04S–.04 130.09E–.04 25 4.8b,3.6s 62 1-81
ISCJB VIII 02 15 10 43.6–.28 3.13S–.03 130.05E–.03 25 4.7b,3.7s **¶601511887**
NEIC VIII 02 15 10 45.8–2.6 3.19S 129.99E 24–20 4.5b,3.7s
DJA VIII 02 15 10 46.5–1.0 3S–3.0 130E–2.0 17–8 4.9b,4.9b
IDC VIII 02 15 10 46.9–4.1 3.15S 130.22E 35–35 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=157.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.3km az=53.0.
IDC Error ellipse: s-maj=39.7km s-min=11.0km az=75.0.
ISC VIII 02 23 02 34.0–.92 3.37S–.05 129.40E–.04 35 20 0-82
IDC VIII 02 23 02 29.7–1.3 3.39S 129.48E 0 3.9,3.8b **¶601519940**
DJA VIII 02 23 02 31.3–.50 3S–3.0 129E–2.0 12–4 3.6,3.6
ISCJB VIII 02 23 02 32.1–.51 3.37S–.05 129.40E–.03 33 4.0s,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 04 00 41 42.2–.36 3.15S–.04 130.15E–.03 25 4.6b,3.4s 85 1-150
IDC VIII 04 00 41 37.9–.51 3.15S 129.99E 0 4.4,4.3 **¶601518059**
ISCJB VIII 04 00 41 40.5–.24 3.11S–.03 130.17E–.03 25 4.5b,3.5s
BJI VIII 04 00 41 40.2 3.71S 130.38E 52 5.0b,4.7b
NEIC VIII 04 00 41 44.3–.74 3.15S 130.10E 46–7 4.5b,4.7b
DJA VIII 04 00 41 44.1–.20 3S–3.0 130E–2.0 42–18 5.8b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA VIII 06 18 12 21.1–1.7 3S–7.0 130E–3.0 23–17 3.5,3.5
¶602028233
ISC VIII 08 14 25 37.8–.49 2.97S–.05 129.88E–.04 25 4.0b,3.5s 60 1-150
IDC VIII 08 14 25 34.0–.66 3.04S 129.87E 0 4.2,4.1 **¶601565558**
ISCJB VIII 08 14 25 35.6–.28 3.01S–.03 129.85E–.03 25 4.1b,3.6s
NEIC VIII 08 14 25 38.2–2.2 3.02S 129.89E 29–17 4.4b,3.6s
DJA VIII 08 14 25 39.4–1.0 3S–5.0 130E–2.0 27–14 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 16 10 19 30.0–.86 2.76S–.06 129.35E–.05 35 3.8b 17 1-74
IDC VIII 16 10 19 24.4–1.1 2.75S 129.01E 0 3.9,3.7 **¶601765932**
DJA VIII 16 10 19 28.2–.70 3S–4.0 129E–2.0 10–6 3.7,3.7
ISCJB VIII 16 10 19 29.5–.52 2.78S–.06 129.37E–.04 33 3.6b,3.1s
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 17 15 31 48.8–.30 3S–3.0 129E–3.0 34–6 3.6,3.6
¶602028450
IDC VIII 20 19 12 23.6–2.4 3.81S 127.77E 0 3.5,3.4
¶606598291
IDC Error ellipse: s-maj=142.1km s-min=28.6km az=70.0.
ISC VIII 22 18 24 24.0–.43 3.74S–.06 127.60E–.05 42 4.2b 62 1-155
ISCJB VIII 22 18 24 22.6–.36 3.72S–.05 127.54E–.03 42 4.2b,3.0s **¶601614660**
NEIC VIII 22 18 24 22.7–2.0 3.83S 127.38E 35–19 4.9b,3.0s
IDC VIII 22 18 24 23.3–1.7 3.83S 127.43E 40–14 4.2,4.1L
DJA VIII 22 18 24 24.4–.20 3S–2.0 128E–1.0 10 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

ISC	**VIII**	**24 05 19 57.8–.89**	**3.37S–.06**	**127.32E–.05**	**42**	**3.6b**	**17**	**0-67**
ISCJB	VIII	24 05 19 59.2–.65	3.28S–.06	127.38E–.05	42	3.5b		¶601766385
DJA	VIII	24 05 19 59.3–.80	3S–12	127E–17	31–22	3.7,3.7		
IDC	VIII	24 05 20 05.4–4.8	3.17S	127.81E	156–56	3.6,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=5.9km az=32.3.							
IDC	Error ellipse: s-maj=59.0km s-min=16.5km az=91.0.							
IDC	**VIII**	**26 03 53 50.4–2.5**	**3.79S**	**129.15E**	**0**	**3.4,3.3L**		
								¶601766482
IDC	Error ellipse: s-maj=196.5km s-min=28.3km az=69.0.							
DJA	**VIII**	**29 16 14 09.2–.30**	**3S–3.0**	**129E–2.0**	**10**	**3.5,3.5**		
								¶602028794
ISC	**VIII**	**31 16 47 43.0–1.3**	**3.53S–.09**	**127.0E–.10**	**10**		**7**	**0-21**
IDC	VIII	31 16 47 00.8–1.5	0.58N	126.83E	0	3.6,3.4		¶602028863
ISCJB	VIII	31 16 47 41.9–1.1	3.58S–.08	127.0E–.10	10	3.5b,3.4		
DJA	VIII	31 16 47 43.2–1.3	4S–9.0	127E–8.0	13–5	3.1,3.1		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**03 09 08 14.1–.95**	**3.00S–.07**	**130.3E–.10**	**24**	**3.6b**	**12**	**2-69**
IDC	IX	03 09 08 10.8–1.1	2.93S	130.32E	0	3.7b,3.7		¶601862853
ISCJB	IX	03 09 08 12.8–.72	3.00S–.05	130.29E–.07	24	3.5b,3.7		
DJA	IX	03 09 08 18.1–1.2	2S–5.0	133E–4.0	178–10	2.8,2.8		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**04 16 53 29.6–.55**	**2.88S–.05**	**129.64E–.05**	**28**	**4.1b**	**44**	**1-77**
IDC	IX	04 16 53 25.1–.90	2.92S	129.76E	0	4.1,4.0		¶601685377
ISCJB	IX	04 16 53 27.3–.35	2.91S–.04	129.56E–.04	28	4.1b,4.0		
NEIC	IX	04 16 53 29.0–3.2	2.88S	129.61E	26–27	4.2b,4.0		
DJA	IX	04 16 53 29.9–1.2	3S–5.0	130E–2.0	20–12	5.1b,4.6b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**IX**	**06 19 41 26.8–.85**	**3.08S–.05**	**129.06E–.06**	**33**		**14**	**0-64**
IDC	IX	06 19 41 23.6–1.9	3.57S	127.86E	0	4.0,3.7		¶601863066
ISCJB	IX	06 19 41 25.6–.58	3.05S–.05	129.06E–.05	33	3.7b,3.7		
DJA	IX	06 19 41 25.5–.30	3S–2.0	129E–3.0	13	4.3b,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**IX**	**07 05 24 31.3–3.8**	**3.78S**	**129.04E**	**167–49**	**4.0,3.6**		
								¶601863101
IDC	Error ellipse: s-maj=68.5km s-min=16.6km az=87.0.							
DJA	**IX**	**07 12 51 28.1–1.1**	**3S–6.0**	**130E–3.0**	**63–36**	**3.7,3.7**		
								¶602029359
IDC	**IX**	**08 02 48 20.4–1.6**	**3.07S**	**128.67E**	**0**	**4.1,3.9**		
								¶601863142
IDC	Error ellipse: s-maj=37.1km s-min=23.6km az=96.0.							
IDC	**IX**	**09 21 39 55.0–2.0**	**3.90S**	**130.33E**	**0**	**4.3,4.1**		
								¶601863264
IDC	Error ellipse: s-maj=55.7km s-min=27.6km az=80.0.							
ISC	**IX**	**11 07 44 55.4–.44**	**3.07S–.05**	**130.09E–.05**	**25**	**4.2b**	**57**	**1-155**
IDC	IX	11 07 44 50.6–.65	3.01S	130.02E	0	4.3,4.2		¶601705109
ISCJB	IX	11 07 44 53.0–.30	3.06S–.03	130.00E–.04	25	4.3s,4.2b		
DJA	IX	11 07 44 56.4–1.2	3S–5.0	130E–2.0	24–12	5.2b,4.9b		
NEIC	IX	11 07 44 57.5–1.1	3.02S	130.16E	50–11	4.2b,4.9b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=23.2km s-min=13.9km az=90.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=179.8.							
NEIC	Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=94.0.							
DJA	**IX**	**11 15 42 05.3–.50**	**4S–4.0**	**129E–2.0**	**59–7**	**3.1,3.1**		
								¶602029617
ISC	**IX**	**13 16 56 14.0–.54**	**3.43S–.05**	**128.41E–.05**	**91**	**4.8b**	**62**	**0-64**
ISCJB	IX	13 16 56 12.6–.27	3.44S–.03	128.43E–.03	91	4.5b		¶601839203
NEIC	IX	13 16 56 13.5–.67	3.46S	128.34E	82–8	4.6b		
IDC	IX	13 16 56 15.2–3.8	3.37S	128.52E	99–40	4.3,4.1		
DJA	IX	13 16 56 15.1–.20	3S–3.0	128E–2.0	55–7	4.9b,4.4b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**IX**	**21 07 25 55.6–.60**	**3.12S–.05**	**130.66E–.06**	**24**	**3.9b,3.2s**	**27**	**2-153**
IDC	IX	21 07 25 53.0–.83	3.12S	130.56E	0	4.1,3.9		¶601863943
ISCJB	IX	21 07 25 54.7–.46	3.02S–.05	130.55E–.05	24	3.8b,3.1s		
DJA	IX	21 07 25 58.1–.30	3S–3.0	131E–3.0	57–14	4.7b,4.6b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**23 15 25 07.0–.50**	**3.44S–.05**	**129.05E–.05**	**37**	**4.0b,3.5s**	**58**	**1-91**
IDC	IX	23 15 25 01.9–.79	3.40S	128.97E	0	4.1,4.0		¶601737064
BJI	IX	23 15 25 01.0	3.40S	129.10E	5	4.7b,4.4b		
NEIC	IX	23 15 25 02.9–.41	3.33S	129.08E	10	4.2b,4.4b		
ISCJB	IX	23 15 25 04.6–.28	3.44S–.03	128.98E–.03	37	4.1b,3.6s		
DJA	IX	23 15 25 04.7–.30	3S–4.0	129E–2.0	10	5.1b,5.0b		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] at Amahai.							
ISCJB	Event type fe.							
ISC	**IX**	**25 21 54 33.8–1.2**	**2.95S–.08**	**130.5E–.10**	**24**		**9**	**2-65**
DJA	IX	25 21 54 25.8–.70	4S–10	130E–4.0	10	3.9,3.9		¶601864168
IDC	IX	25 21 54 31.0–1.5	2.98S	130.69E	0	4.2,4.0		
ISCJB	IX	25 21 54 32.4–1.0	3.03S–.07	130.42E–.09	24	3.8b,4.0		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**IX**	**26 20 01 09.5–1.8**	**2.80S**	**129.21E**	**0**	**3.7b,3.6**		
								¶601864230
IDC	Error ellipse: s-maj=197.6km s-min=26.1km az=74.0.							
IDC	**IX**	**27 09 34 41.7–2.5**	**2.98S**	**130.97E**	**75–37**	**3.8,3.7**		
								¶601864270
IDC	Error ellipse: s-maj=78.0km s-min=16.3km az=85.0.							
ISC	**IX**	**27 18 19 48.2–.84**	**3.26S–.06**	**129.26E–.08**	**35**		**19**	**1-65**
IDC	IX	27 18 19 43.9–1.2	3.19S	129.07E	0	4.3L,4.0		¶601864302
DJA	IX	27 18 19 46.6–1.4	3S–7.0	129E–3.0	10–14	4.8b,4.7b		
ISCJB	IX	27 18 19 47.7–.49	3.16S–.05	129.23E–.05	35	3.6b,4.7b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**29 02 48 27.1–.58**	**2.88S–.05**	**130.14E–.05**	**25**	**3.8b**	**28**	**2-150**
IDC	IX	29 02 48 23.4–.76	2.94S	130.13E	0	4.0,3.9		¶601792795
ISCJB	IX	29 02 48 24.9–.42	2.96S–.04	130.12E–.05	25	3.8b,2.8s		
DJA	IX	29 02 48 26.2–.30	3S–3.0	130E–2.0	10	4.5b,4.2		
NEIC	IX	29 02 48 28.4–.46	3.04S	130.06E	35	4.2b,4.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.7km s-min=15.9km az=79.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=4.9km az=27.1.							
NEIC	Event type se. Error ellipse: s-maj=20.1km s-min=7.9km az=72.0.							
ISC	**IX**	**29 03 28 16.3–.79**	**2.77S–.06**	**130.19E–.06**	**35**	**3.7b**	**17**	**2-77**
IDC	IX	29 03 28 11.1–1.1	2.93S	130.28E	0	3.9,3.7		¶601857479
ISCJB	IX	29 03 28 14.4–.53	2.92S–.05	130.26E–.08	35	3.7b,3.7		
DJA	IX	29 03 28 14.2–.80	3S–3.0	130E–4.0	146–11	3.6,3.6		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**29 20 11 50.2–.62**	**3.00S–.05**	**129.66E–.05**	**28**	**4.7b**	**37**	**2-73**
IDC	IX	29 20 11 45.5–1.5	3.06S	129.56E	0	4.0,3.8		¶601852868
ISCJB	IX	29 20 11 47.3–.37	3.11S–.03	129.65E–.04	28	4.7b,3.8		
DJA	IX	29 20 11 50.9–1.0	3S–2.0	130E–2.0	18–8	4.7b,4.6b		
NEIC	IX	29 20 11 51.2–.84	3.16S	129.63E	45–10	4.3b,4.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=47.6km s-min=23.7km az=89.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=1.0.							
NEIC	Event type se. Error ellipse: s-maj=12.5km s-min=6.7km az=64.0.							
DJA	**IX**	**30 16 41 46.2–2.1**	**3S–5.0**	**130E–3.0**	**22–21**	**4.3b,3.8**		
								¶602031410
ISC	**X**	**03 13 48 29.8–.93**	**2.93S–.07**	**130.10E–.06**	**25**		**12**	**2-31**
IDC	X	03 13 48 27.4–3.9	3.05S	130.27E	0	4.1,4.0b		¶601996951
ISCJB	X	03 13 48 28.9–.69	3.05S–.07	130.11E–.07	25	3.9b,4.0b		
DJA	X	03 13 48 32.3–.80	3S–7.0	130E–4.0	87–76	4.1,4.1		

ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**X**	**04 23 24 40.2–1.4**	**2.86S**	**130.35E**	**0**	**3.9,3.7**		
								¶601997074
IDC	Error ellipse: s-maj=48.3km s-min=19.9km az=95.0.							
IDC	**X**	**05 03 13 30.0–1.9**	**3.07S**	**130.20E**	**0**	**3.9,3.6**		
								¶601997093
IDC	Error ellipse: s-maj=53.9km s-min=16.7km az=103.0.							
DJA	**X**	**07 01 52 21.6–.30**	**3S–3.0**	**130E–2.0**	**10**	**3.6,3.6**		
								¶601997331
ISC	**X**	**11 00 39 42.6–.95**	**3.40S–.08**	**128.94E–.06**	**37**		**10**	**1-65**
IDC	X	11 00 39 37.5–1.7	3.58S	128.79E	0	3.8,3.7		¶601997817
DJA	X	11 00 39 40.8–.40	3S–3.0	129E–3.0	10	3.8,3.8		
ISCJB	X	11 00 39 41.8–.73	3.28S–.09	128.96E–.06	37	3.8b,3.8		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**X**	**20 13 10 31.4–1.6**	**3.22S**	**130.11E**	**0**	**3.4,3.3**		
								¶601999047
IDC	Error ellipse: s-maj=55.1km s-min=23.8km az=89.0.							
IDC	**X**	**21 11 52 21.0–1.6**	**3.35S**	**130.83E**	**0**	**3.7,3.6b**		
								¶601999159
IDC	Error ellipse: s-maj=73.1km s-min=22.3km az=85.0.							
DJA	**X**	**21 18 11 40.1–.70**	**3S–5.0**	**128E–4.0**	**29–11**	**3.6,3.6**		
								¶601999196
DJA	**X**	**21 21 04 42.5–.40**	**3S–14**	**128E–5.0**	**38–26**	**3.9b,3.6**		
								¶601999212
IDC	**XI**	**06 01 24 56.8–1.4**	**3.57S**	**128.42E**	**0**	**4.1,3.9**		
								¶602388898
IDC	Error ellipse: s-maj=45.4km s-min=25.0km az=74.0.							
ISC	**XI**	**13 18 34 32.2–.47**	**3.87S–.05**	**127.03E–.04**	**40**	**4.5b**	**90**	**1-90**
ISCJB	XI	13 18 34 30.5–.24	3.89S–.03	127.00E–.03	40	4.5b,3.1s		¶602056704
NEIC	XI	13 18 34 32.6–.78	3.91S	127.03E	44–8	4.5b,3.1s		
DJA	XI	13 18 34 33.4–.40	4S–3.0	127E–2.0	16–4	4.8b,4.6b		
IDC	XI	13 18 34 34.3–4.1	3.83S	127.06E	56–40	4.1,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=31.8.							
NEIC	Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=61.0.							
IDC	Error ellipse: s-maj=29.3km s-min=17.6km az=92.0.							
ISC	**XI**	**18 02 55 56.6–.46**	**3.45S–.04**	**130.93E–.04**	**30**	**4.2b,3.5s**	**58**	**1-153**
IDC	XI	18 02 55 53.0–.81	3.33S	131.03E	0	4.2,4.1		¶601909939
ISCJB	XI	18 02 55 55.0–.29	3.45S–.03	130.92E–.03	30	4.1b,3.4s		
DJA	XI	18 02 55 58.0–.30	3S–2.0	131E–2.0	63–14	5.0b,4.6b		
NEIC	XI	18 02 55 58.5–1.1	3.47S	131.00E	43–11	4.2b,4.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=33.5km s-min=15.0km az=75.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=24.7.							
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=8.3km az=63.0.							
ISC	**XI**	**19 19 49 52.0–.72**	**2.82S–.06**	**129.38E–.06**	**28**	**3.9b,3.3s**	**24**	**1-68**
ISCJB	XI	19 19 49 50.9–.43	2.74S–.04	129.31E–.04	28	3.8b,3.2s		¶602389692
DJA	XI	19 19 49 51.3–.30	3S–3.0	129E–3.0	10	4.9b,4.3b		
IDC	XI	19 19 49 56.9–1.8	2.81S	129.65E	85–20	3.9,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=5.7km az=41.7.							
IDC	Error ellipse: s-maj=22.1km s-min=9.6km az=89.0.							
ISC	**XI**	**27 02 59 09.9–.61**	**2.94S–.03**	**129.23E–.03**	**35–2**	**5.5b,5.2s**	**901**	**2-170**
IDC	XI	27 02 59 04.0–.30	2.95S	129.21E	0	5.1L,5.1b		¶601994718
ISCJB	XI	27 02 59 07.0–.61	2.96S–.02	129.27E–.02	28–4	5.4b,5.2s		
WEL	XI	27 02 59 06.0	2.95S	129.22E	11	5.4b,5.2s		
NEIC	XI	27 02 59 06.5–.80	2.95S	129.22E	11–5	5.7W,5.6b		
BJI	XI	27 02 59 07.0	2.90S	129.20E	20	5.4b,5.2s		
MOS	XI	27 02 59 07.2–1.2	2.94S	129.20E	29	5.7b,5.1s		
NEIC	XI	27 02 59 08.0–.00	2.53S	129.14E	21	5.7b,5.1s		
DJA	XI	27 02 59 09.8–.40	3S–2.0	129E–2.0	34–4	6.2b,5.8		
GCMT	XI	27 02 59 09.5–.10	2.77S–.01	129.22E–.01	22–0	5.7W,5.8		
KLM	XI	27 02 59 12.0	2.78S	129.12E	28	5.7b,5.8		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=11.3km s-min=8.9km az=65.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=137.8.							
WEL	manual. confirmed.							
NEIC	Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=54.0. Felt [III] at Amahai and Ambon. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.25 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.92 $M_{\phi r}$1.21 Best double couple: NP1:ϕ_s64.00000°,δ51.00000° ,λ16.00000°. NP2:ϕ_s324.00000°,δ78.00000°,λ140.00000°. Principal axes: T 2.2500,Plg37.0000°,Azm276.0000°; N 0.2300,Plg49.0000°,Azm129.0000° ; P -2.4800,Plg17.0000°,Azm19.0000° $M_0$2.40000×10^{17}							
MOS	Error ellipse: s-maj=8.1km s-min=4.7km az=114.6.							
NEIC	Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$0.97 $M_{r\theta}$0.56 $M_{\theta\phi}$2.21 $M_{\phi r}$2.71 Best double couple: NP1:ϕ_s333.00000° ,δ68.00000°,λ140.00000°. NP2:ϕ_s80.00000°,δ54.00000°,λ28.00000°. Principal axes: T 4.5500,Plg43.0000°,Azm291.0000°; N -0.7900,Plg45.0000°,Azm128.0000° ; P -3.7600,Plg8.0000°,Azm29.0000° $M_0$4.20000×10^{17}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c231; s131,c292; Duration: 1π7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.04 $M_{\theta\theta}$-2.37±.03; $M_{\phi\phi}$1.02±.03; $M_{r\theta}$-0.77±.06; $M_{\theta\phi}$1.88±.03; $M_{\phi r}$2.76±.10; Best double couple: NP1:ϕ_s332.00000°,δ77.00000° ,λ129.00000°. NP2:ϕ_s77.00000°,δ41.00000°,λ20.00000°. Principal axes: T 4.0470,Plg44.0000°,Azm280.0000°; N -0.0850,Plg38.0000°,Azm141.0000° ; P -3.9510,Plg22.0000°,Azm33.0000° $M_0$3.99900×10^{17}							
ISC	**XI**	**27 03 16 24.4–.82**	**3.12S–.07**	**129.06E–.06**	**33**		**17**	**2-64**
ISCJB	XI	27 03 16 23.3–.51	3.06S–.05	129.02E–.04	33	3.9b		¶602390033
DJA	XI	27 03 16 25.7–.40	3S–4.0	129E–2.0	53–31	4.9b,4.7		
IDC	XI	27 03 16 27.9–3.5	3.09S	129.30E	76–38	4.0,3.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=165.9.							
IDC	Error ellipse: s-maj=34.9km s-min=15.0km az=82.0.							
ISC	**XI**	**27 12 38 46.5–.33**	**2.93S–.03**	**129.39E–.04**	**28**	**4.5b,3.6s**	**145**	**2-154**
ISCJB	XI	27 12 38 45.4–.20	3.00S–.03	129.28E–.02	28	4.4b,3.6s		¶601994816
NEIC	XI	27 12 38 47.3–2.0	2.97S	129.31E	32–15	4.5b,3.6s		
KLM	XI	27 12 38 47.0	2.94S	129.38E	33	4.7b,3.6s		
DJA	XI	27 12 38 49.9–.20	3S–2.0	129E–2.0	47–3	5.2b,5.2		
IDC	XI	27 12 38 50.1–1.9	2.99S	129.44E	53–17	4.5L,4.3		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=9.9.							
NEIC	Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=222.0.							
IDC	Error ellipse: s-maj=16.1km s-min=8.6km az=86.0.							
DJA	**XI**	**27 13 09 53.1–.80**	**3S–4.0**	**129E–3.0**	**87–24**	**5.1b,4.6b**		
								¶606793161
DJA	**XI**	**27 13 21 19.8–1.5**	**3S–4.0**	**129E–2.0**	**26–15**	**4.9b,4.4b**		
								¶606793160
ISC	**XI**	**27 22 08 13.2–.36**	**2.98S–.04**	**129.36E–.05**	**28**	**4.5b,3.4s**	**115**	**2-150**
IDC	XI	27 22 08 09.3–.54	3.10S	129.05E	0	4.3,4.2		¶601994895
NEIC	XI	27 22 08 11.2–.31	2.99S	129.18E	10	4.4b,4.2		
ISCJB	XI	27 22 08 12.1–.25	3.02S–.03	129.18E–.03	28	4.4b,3.5s		
DJA	XI	27 22 08 16.9–.20	3S–2.0	129E–2.0	63–4	5.1b,5.0		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
IDC	**XII**	**03 01 46 29.5–1.6**	**2.92S**	**129.61E**	**0**	**3.9,3.8L**		
								¶602390381
IDC	Error ellipse: s-maj=42.5km s-min=23.3km az=99.0.							
ISC	**XII**	**06 00 11 22.3–.72**	**2.79S–.05**	**130.15E–.09**	**24**	**3.9b**	**17**	**2-68**
IDC	XII	06 00 11 18.2–1.2	2.74S	130.50E	0	4.4L,4.3		¶602390529
ISCJB	XII	06 00 11 19.8–.83	2.86S–.08	130.3E–.10	24	3.9b,4.3		
DJA	XII	06 00 11 24.5–.30	3S–3.0	130E–3.0	102–8	4.3b,4.3		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**06 01 15 13.4–.30**	**2.91S–.03**	**129.32E–.04**	**28**	**4.8b,3.9s**	**174**	**2-151**
IDC	XII	06 01 15 08.8–.50	2.91S	129.37E	0	4.5,4.5L		¶601996105
ISCJB	XII	06 01 15 11.3–.19	2.95S–.02	129.39E–.03	28	4.6b,4.0s		
NEIC	XII	06 01 15 11.8–2.7	2.91S	129.41E	18–17	4.8b,4.0s		
DJA	XII	06 01 15 15.5–.80	3S–2.0	129E–2.0	27–7	5.4b,5.0		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 07 00 00 11.5–.65 2.84S–.06 129.54E–.06 28 4.0b,3.2s 23 2-150
IDC XII 07 00 00 07.7–1.0 2.77S 129.65E 0 4.2,4.1 ¶602064806
ISCJB XII 07 00 00 09.7–.44 2.86S–.04 129.58E–.05 28 4.1b,3.2s
DJA XII 07 00 00 11.4–.40 3S–4.0 130E–2.0 10 5.0b,4.8b
NEIC XII 07 00 00 12.9–.58 2.90S 129.58E 35 4.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=18.8km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.5km az=25.3.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=9.6km az=74.0.
IDC XII 08 02 55 52.8–4.7 3.01S 129.67E 76–58 3.6,3.5
¶602390777
IDC Error ellipse: s-maj=66.6km s-min=17.1km az=94.0.
ISC XII 08 12 32 13.1–.44 2.59S–.05 129.04E–.05 10 4.2b 65 2-151
ISCJB XII 08 12 32 11.4–.36 2.61S–.04 128.90E–.05 10 4.3b,3.4s ¶602032187
IDC XII 08 12 32 11.7–.63 2.57S 128.88E 0 4.5L,4.2
NEIC XII 08 12 32 13.0–.28 2.56S 128.98E 10 4.6b,4.2
DJA XII 08 12 32 19.4–.20 2S–4.0 129E–2.0 10 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 08 22 55 24.9–.70 3.77S–.06 128.82E–.06 35 4.1b 29 1-91
IDC XII 08 22 55 20.2–1.1 3.69S 128.65E 0 4.2,4.0 ¶602032207
ISCJB XII 08 22 55 23.6–.37 3.72S–.04 128.80E–.04 35 4.0b,3.2s
DJA XII 08 22 55 23.2–.20 4S–3.0 129E–2.0 10 6.4,5.0b
NEIC XII 08 22 55 24.7–.61 3.78S 128.73E 35 4.2b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=19.3km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.4km az=30.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.7km az=79.0.
IDC XII 11 18 39 37.8–2.4 3.51S 129.88E 0 3.7L,3.5
¶602391114
IDC Error ellipse: s-maj=113.1km s-min=29.0km az=74.0.
ISC XII 13 22 48 24.2–.66 3.66S–.06 128.26E–.04 91 4.2b 26 1-65
NEIC XII 13 22 48 18.4–.89 3.46S 128.35E 35 4.2b ¶602340333
ISCJB XII 13 22 48 23.2–.46 3.68S–.04 128.26E–.04 91 4.2b
DJA XII 13 22 48 26.9–1.2 3S–4.0 128E–3.0 15–9 4.6,4.6
IDC XII 13 22 48 26.1–2.2 3.62S 128.36E 117–23 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=10.3km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.7km az=43.6.
IDC Error ellipse: s-maj=22.1km s-min=14.8km az=75.0.
ISC XII 18 13 23 09.2–.91 2.99S–.07 129.26E–.06 28 11 2-64
IDC XII 18 13 23 06.4–1.6 2.89S 129.35E 0 3.9,3.7 ¶602391602
ISCJB XII 18 13 23 09.1–.69 2.92S–.07 129.34E–.07 28 3.5b,3.7
DJA XII 18 13 23 11.1–2.1 3S–6.0 129E–3.0 27–21 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XII 23 22 52 03.9–1.4 3.02S 129.82E 0 4.0,3.8
¶602391949
IDC Error ellipse: s-maj=49.5km s-min=23.1km az=88.0.
IDC XII 24 06 43 06.0–3.0 2.78S 129.60E 0 4.0,4.0b
¶602391977
IDC Error ellipse: s-maj=61.3km s-min=18.3km az=102.0.
ISC XII 26 09 52 51.8–1.4 3.75S–.08 129.0E–.20 150 8 1-65
DJA XII 26 09 52 50.5–1.7 4S–4.0 129E–3.0 22–14 3.5,3.5 ¶602380633
IDC XII 26 09 52 52.5–5.8 3.77S 129.28E 156–72 3.6,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=97.5km s-min=20.3km az=83.0.
IDC XII 29 23 49 23.0–1.6 3.57S 127.18E 0 3.7,3.5
¶602380863
IDC Error ellipse: s-maj=45.0km s-min=27.0km az=73.0.
ISC XII 30 07 13 19.3–.67 3.72S–.07 128.6E–.10 35 4.1b 20 4-81
ISCJB XII 30 07 13 16.9–.53 3.63S–.06 128.57E–.09 35 4.0b ¶602380881
IDC XII 30 07 13 26.1–2.7 3.61S 128.99E 107–27 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.9km az=175.7.
IDC Error ellipse: s-maj=30.5km s-min=13.0km az=88.0.

SEISMIC REGION 24.
Sunda Arc.

(273) Southwest of Sumatera.

DJA VII 02 10 50 00.3–1.1 6S–6.0 102E–6.0 10 3.6,3.6
¶602027383
ISC VII 02 20 51 03.1–.72 6.49S–.08 102.25E–.07 24 4.0b 46 2-147
IDC VII 02 20 50 59.2–.70 6.62S 102.05E 0 4.7L,4.1 ¶601562067
ISCJB VII 02 20 51 01.0–.47 6.50S–.05 102.22E–.04 24 4.0b,4.1
NEIC VII 02 20 51 04.6–.44 6.57S 102.14E 35 4.1b,4.1
DJA VII 02 20 51 04.8–.50 6S–5.0 102E–3.0 57–20 5.8b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 02 21 01 05.5–1.5 6.7S–.20 102.1E–.20 35 3.6b 10 6-147
IDC VII 02 21 00 59.9–1.8 6.74S 101.95E 0 4.2L,3.8 ¶601663410
ISCJB VII 02 21 01 03.1–1.3 6.7S–.20 102.1E–.20 33 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 03 01 55 32.6–1.0 0.10S–.06 97.17E–.08 22 3.9b 21 1-145
IDC VII 03 01 55 29.1–1.5 0.10S 97.00E 0 4.7L,3.9 ¶601663413
ISCJB VII 03 01 55 30.3–.75 0.12S–.05 97.11E–.05 22 3.8b,3.9
DJA VII 03 01 55 33.0–.70 0S–3.0 97E–6.0 44–40 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 04 18 55 11.4–.61 6.51S–.07 102.20E–.07 35 4.1b 40 2-150
IDC VII 04 18 55 05.7–.62 6.64S 101.93E 0 4.4L,4.2 ¶601562074
ISCJB VII 04 18 55 09.1–.46 6.48S–.05 102.21E–.04 33 4.1b,3.1s
DJA VII 04 18 55 09.0–.60 7S–4.0 102E–4.0 30 5.4b,5.2b
NEIC VII 04 18 55 11.1–.45 6.58S 102.05E 35 4.2b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=12.4km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=7.1.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.1km az=50.0.
DJA VII 06 16 33 28.7–1.6 6S–6.0 102E–9.0 34–26 3.5,3.5
¶602027480
ISC VII 07 04 34 56.9–.58 6.38S–.04 103.94E–.04 32–3 4.8b,4.1s 245 1-160
IDC VII 07 04 34 52.1–.45 6.36S 104.00E 0 4.7,4.7b ¶601243875
ISCJB VII 07 04 34 55.6–.21 6.48S–.03 103.89E–.02 33 4.8b,4.0s
NEIC VII 07 04 34 57.9–.58 6.37S 103.97E 40–5 4.8b,4.0s
BJI VII 07 04 34 57.0 6.40S 104.00E 42 5.1b,4.9b
DJA VII 07 04 34 59.2–.30 6S–3.0 104E–2.0 49–4 5.2b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 09 03 25 12.6–8.2 2.74S 93.18E 0 3.8,3.8
¶601664321
IDC Error ellipse: s-maj=218.5km s-min=72.6km az=135.0.
ISC VII 11 23 34 18.6–1.6 7.2S–.30 101.7E–.10 35 3.6b 9 6-148
IDC VII 11 23 34 13.6–1.8 7.16S 101.65E 0 4.2L,3.7 ¶601664455
ISCJB VII 11 23 34 16.4–1.2 7.1S–.20 101.72E–.10 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VII 25 01 33 22.3–8.9 0.02S 94.31E 0 3.8,3.7
¶601666396
IDC Error ellipse: s-maj=220.1km s-min=82.5km az=135.0.
ISC VIII 07 05 51 14.9–1.1 6.14S–.09 103.74E–.07 47 4.0b 21 1-145
ISCJB VIII 07 05 51 12.5–.93 6.27S–.08 103.67E–.06 47 4.0b ¶601765590
DJA VIII 07 05 51 13.5–.90 6S–4.0 104E–3.0 19–6 4.0,4.0
IDC VIII 07 05 51 13.8–1.3 5.26S 103.50E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=9.0km az=7.0.
IDC Error ellipse: s-maj=54.4km s-min=18.7km az=51.0.
ISC VIII 11 03 37 36.5–.66 0.11S–.09 92.13E–.06 35 4.3b,3.8s 46 6-147
IDC VIII 11 03 37 31.5–1.0 0.22S 92.01E 0 4.1,4.0 ¶601565564
NEIC VIII 11 03 37 32.6–.59 0.20S 91.99E 10 4.3b,4.0
ISCJB VIII 11 03 37 34.8–.53 0.12S–.07 92.13E–.05 33 4.2b,3.8s
GCMT VIII 11 03 37 35.6–.50 0.03S–.03 92.08E–.03 21–2 4.9W,3.8s
DJA VIII 11 03 37 49.8–1.1 0N–7.0 93E–11 46–60 5.9b,5.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s70,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29±.14 $M_{\theta\theta}$-0.57±.10; $M_{\phi\phi}$0.27±.12; $M_{r\theta}$-0.34±.18; $M_{\theta\phi}$-1.66±.10; $M_{\phi r}$-1.73±.31; Best double couple: NP1:ϕ_s190.00000°,δ86.00000°,λ47.00000°. NP2: ϕ_s96.00000°,δ44.00000°,λ174.00000°. Principal axes: T 2.3710,Plg34.0000°,Azm64.0000° ; N 0.1900,Plg43.0000°,Azm194.0000°; P -2.5610,Plg28.0000°,Azm314.0000° M_o2.46600×10^{16}
DJA VIII 15 13 50 58.8–.90 6S–3.0 104E–3.0 13–6 4.8b,4.0
¶602028413
DJA VIII 16 08 11 48.3–.90 7S–5.0 105E–2.0 12–5 3.5,3.5
¶602028425
ISC VIII 25 05 17 22.5–.51 12.0S–.10 99.53E–.07 10 4.2b 42 3-156
ISCJB VIII 25 05 17 20.9–.47 11.96S–.08 99.69E–.06 10 4.0b,3.5s ¶601702417
IDC VIII 25 05 17 21.4–.64 12.01S 99.69E 0 4.9L,4.0
NEIC VIII 25 05 17 22.8–.31 12.00S 99.66E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.6km az=0.6.
IDC Error ellipse: s-maj=23.2km s-min=19.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=176.0.
ISC VIII 26 11 27 04.5–.54 6.11S–.07 103.57E–.05 10 4.7b,4.1s 157 1-150
ISCJB VIII 26 11 27 00.7–.39 6.32S–.06 103.37E–.04 10 4.6b,4.1s ¶601626462
IDC VIII 26 11 27 02.2–.87 5.89S 103.78E 0 4.3,4.2b
DJA VIII 26 11 27 05.9–.40 6S–4.0 104E–3.0 10 5.1b,4.9b
BJI VIII 26 11 27 05.8 6.60S 103.10E 35 5.2b,4.8b
NEIC VIII 26 11 27 06.1–.58 6.20S 103.45E 35 4.9b,4.8b
MOS VIII 26 11 27 11.1–1.5 5.27S 102.75E 33 4.8b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.3km az=29.8.
IDC Error ellipse: s-maj=29.7km s-min=15.5km az=37.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=5.6km az=219.0.
MOS Error ellipse: s-maj=18.2km s-min=7.0km az=107.0.
ISC VIII 26 12 02 42.5–2.3 6.15S–.06 103.69E–.06 0–13 4.4s,4.3b 54 1-148
IDC VIII 26 12 02 43.2–1.4 5.78S 103.78E 0 4.4s,4.4 ¶601626464
DJA VIII 26 12 02 46.2–.50 6S–4.0 104E–2.0 10 4.2,4.2
NEIC VIII 26 12 02 47.5–.77 6.24S 103.17E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=16.7km az=46.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=8.7km az=219.0.
ISC VIII 26 19 03 07.7–.00 1.10S–.06 97.43E–.08 23 3.8b 29 1-58
IDC VIII 26 19 03 03.8–1.7 1.27S 97.36E 0 3.9,3.9b ¶601766511
ISCJB VIII 26 19 03 05.7–.70 1.13S–.04 97.44E–.05 23 3.9b,3.9b
DJA VIII 26 19 03 08.7–.50 1S–3.0 97E–4.0 54–23 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 30 13 14 42.1–3.0 4.71S 99.50E 0 3.8,3.8
¶601755621
IDC Error ellipse: s-maj=134.4km s-min=26.5km az=53.0.
IDC IX 01 21 53 41.5–5.9 2.30S 98.89E 0 3.6,3.4
¶601862743
IDC Error ellipse: s-maj=220.3km s-min=28.9km az=68.0.
ISC IX 18 03 23 44.2–1.1 6.42S–.04 103.61E–.04 31–7 5.3b,4.3s 901 1-156
IDC IX 18 03 23 39.9–.42 6.23S 103.71E 0 5.0,5.0b ¶601721804
BJI IX 18 03 23 40.7 6.20S 103.80E 10 5.4b,5.1b
ISCJB IX 18 03 23 42.8–.17 6.39S–.02 103.59E–.02 33 5.2b,4.2s
DJA IX 18 03 23 45.2–.20 6S–2.0 104E–2.0 49–2 5.5b,5.3
NEIC IX 18 03 23 45.8–.16 6.17S 103.74E 35 5.2b,5.3
GCMT IX 18 03 23 45.8–.40 6.53S–.03 103.44E–.03 35–0 5.0W,5.3
MOS IX 18 03 23 45.8–1.2 5.96S 103.77E 43 5.6b,5.3
ISC Event type fe.
IDC Error ellipse: s-maj=14.1km s-min=10.2km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=30.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=220.0. Felt [III] at Kotaagung and Liwa.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c41; s51,c68;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.23 $M_{\theta\theta}$-2.04±.13; $M_{\phi\phi}$-1.38±.15; $M_{r\theta}$1.02±.12; $M_{\theta\phi}$1.48±.07; $M_{\phi r}$-1.24±.16; Best double couple: NP1:ϕ_s134.00000°,δ58.00000°,λ95.00000°. NP2:ϕ_s304.00000°,δ33.00000°,λ82.00000°. Principal axes: T 3.8080,Plg77.0000° ,Azm59.0000°; N -0.2180,Plg4.0000°,Azm311.0000°; P -3.5800,Plg13.0000°,Azm220.0000° M_o3.69400×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=116.1.
ISC IX 19 18 06 39.7–2.7 6.09S–.06 103.59E–.06 11–16 3.9b 33 1-84
IDC IX 19 18 06 37.9–1.2 6.06S 103.57E 0 3.8,3.8 ¶601846438
NEIC IX 19 18 06 43.1–.49 6.06S 103.62E 35 4.1b,3.8
DJA IX 19 18 06 43.1–.90 6S–4.0 104E–2.0 15–6 4.3,4.3
ISC Event type se.
NEIC Event type se.
IDC IX 21 16 10 02.8–4.2 6.49S 102.80E 0 3.4,3.3
¶601863958
IDC Error ellipse: s-maj=174.5km s-min=25.0km az=53.0.
ISC X 01 13 26 03.1–.62 0.50S–.05 97.55E–.07 35 4.5b 67 1-146
BJI X 01 13 25 52.2 1.33S 97.59E 10 4.9b,4.5b ¶601775514
NEIC X 01 13 25 59.6–.36 0.54S 97.52E 10 4.6b,4.5b
IDC X 01 13 25 59.1–1.1 0.48S 97.62E 0 4.2,4.1
ISCJB X 01 13 26 01.6–.49 0.46S–.04 97.65E–.05 33 4.4b,3.3s
DJA X 01 13 26 02.9–.70 0S–3.0 98E–4.0 29–5 4.9b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 13 32 37.4–.45 0.43S–.03 97.66E–.03 19–1 5.5s,5.5b 961 1-159
ISCJB X 03 13 32 32.9–.53 0.44S–.02 97.68E–.02 1–3 5.5s,5.4b ¶601780657
IDC X 03 13 32 34.4–.37 0.39S 97.74E 0 5.1,5.1s
NEIC X 03 13 32 34.9–.14 0.43S 97.67E 9 5.7W,5.6b
BJI X 03 13 32 35.3 0.34S 97.71E 10 6.0s,5.8
DJA X 03 13 32 35.6–.20 0S–2.0 98E–3.0 10 6.0b,5.9
MOS X 03 13 32 35.8–1.0 0.35S 97.75E 20 5.6b,5.3s
GCMT X 03 13 32 36.9–.10 0.55S–.01 97.25E–.01 14–0 5.5W,5.3s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] on Nias and at Payakumbuh, Sumatra. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.55 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}3.19 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-1.72 $M_{r\theta}$1.83 $M_{\theta\phi}$0.72 $M_{\phi r}$-3.10 Best double couple: NP1:ϕ_s147.00000°,δ71.00000°,λ93.00000°. NP2: ϕ_s319.00000°,δ19.00000°,λ82.00000°. Principal axes: T 4.9800,Plg64.0000°,Azm62.0000° ; N -0.8900,Plg3.0000°,Azm326.0000°; P -4.0800,Plg26.0000°,Azm235.0000° M_o4.60000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ10.00000°,λ-90.00000°. NP2:ϕ_s145.00000°,δ80.00000°,λ-90.00000°. Principal axes: T Plg35.0000°,Azm235.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000° ,Azm55.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c155; s107,c228;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.59±.02; $M_{r\theta}$0.53±.04; $M_{\theta\phi}$0.58±.01; $M_{\phi r}$-1.38±.06; Best double couple: NP1:ϕ_s152.00000°,δ71.00000°,λ102.00000°. NP2:ϕ_s300.00000°,δ22.00000°,λ60.00000°. Principal axes: T 1.9940,Plg63.0000° ,Azm80.0000°; N -0.1600,Plg11.0000°,Azm328.0000°; P -1.8330,Plg25.0000° ,Azm233.0000° M_o1.91400×10^{17}
ISC X 03 14 00 41.5–1.2 0.4S–.10 97.6E–.20 35 4.0b 31 1-145
IDC X 03 14 00 36.2–1.9 0.56S 97.46E 0 4.0,4.0b ¶601829109

DJA X 03 14 00 37.9–1.9 1S–8.0 97E–12 24–12 5.1b,4.5
NEIC X 03 14 00 38.1–.69 0.47S 97.60E 10 4.1b,4.5
ISCJB X 03 14 00 39.1–.80 0.49S–.07 97.57E–.10 33 4.1b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 17 59 19.6–.63 0.46S–.07 97.53E–.08 35 4.4b 55 1-146
BJI X 03 17 59 14.2 0.91S 97.64E 33 4.9b,4.6b **¶601780667**
IDC X 03 17 59 14.3–.78 0.52S 97.53E 0 4.3,4.2
ISCJB X 03 17 59 17.0–.47 0.56S–.05 97.52E–.05 33 4.4b,3.3s
NEIC X 03 17 59 16.1–.40 0.46S 97.62E 10 4.6b,3.3s
DJA X 03 17 59 17.2–1.9 0S–7.0 98E–15 29–10 5.4b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 08 00 24 48.9–1.3 6.4S–.20 103.4E–.20 38 3.9b 14 4-146
ISCJB X 08 00 24 46.6–1.2 6.5S–.20 103.3E–.20 38 3.9b,3.6s **¶601997436**
IDC X 08 00 24 51.7–1.4 6.20S 103.70E 53–6 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.0km s-min=12.2km az=135.3.
IDC Error ellipse: s-maj=58.7km s-min=13.0km az=52.0.
ISC X 09 15 22 36.7–1.2 6.37S–.08 103.8E–.10 49 3.4b 12 1-56
IDC X 09 15 22 33.9–3.3 5.52S 104.86E 0 3.6,3.5 **¶601997670**
DJA X 09 15 22 33.3–1.5 6S–5.0 104E–6.0 19–15 3.7,3.7
ISCJB X 09 15 22 34.4–1.0 6.45S–.06 103.72E–.10 49 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 18 09 00 08.6–.46 6.47S–.06 98.00E–.06 35 4.5b,3.6s 143 4-154
IDC X 18 09 00 02.8–.56 6.50S 97.89E 0 4.7L,4.4 **¶601838166**
BJI X 18 09 00 03.4 6.50S 98.00E 10 5.0b,4.7b
NEIC X 18 09 00 04.4–.26 6.51S 97.96E 10 4.5b,4.7b
ISCJB X 18 09 00 06.7–.29 6.39S–.03 98.05E–.03 33 4.5b,3.6s
KLM X 18 09 00 07.0 6.54S 97.97E 23 5.0b,3.6s
DJA X 18 09 00 07.3–.60 6S–5.0 98E–5.0 10 5.8b,5.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 24 18 16 18.8–4.2 1.57S 97.71E 0 3.6,3.5
¶601999518
IDC Error ellipse: s-maj=165.9km s-min=24.4km az=58.0.
ISC XI 04 23 26 44.6–.48 3.57S–.06 99.84E–.08 35 4.4b 62 1-147
IDC XI 04 23 26 39.4–.67 3.50S 99.85E 0 4.5,4.3 **¶601871346**
BJI XI 04 23 26 39.6 3.57S 100.22E 13 4.9b,4.6b
NEIC XI 04 23 26 40.7–.31 3.51S 99.88E 10 4.5b,4.6b
ISCJB XI 04 23 26 42.1–.39 3.62S–.04 99.82E–.05 33 4.3b,3.7s
DJA XI 04 23 26 43.3–.90 3S–4.0 100E–7.0 32–9 5.2b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 05 03 20 08.2–1.2 3.5S–.10 100.0E–.10 35 3.9b 19 1-146
IDC XI 05 03 20 02.9–1.7 3.58S 99.72E 0 4.0,3.9 **¶602388838**
DJA XI 05 03 20 04.9–1.3 4S–5.0 100E–7.0 36–35 4.5b,4.2
ISCJB XI 05 03 20 05.8–.93 3.52S–.09 99.96E–.09 33 3.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC XI 06 08 32 58.6–.36 5.39S–.04 101.83E–.05 29 4.7b,3.9s 343 2-153
IDC XI 06 08 32 54.8–.66 5.18S 101.92E 0 4.5,4.4 **¶601874912**
BJI XI 06 08 32 55.1 5.30S 101.80E 12 4.9b,4.7b
DJA XI 06 08 32 55.6–.30 5S–3.0 102E–3.0 10 5.2b,4.9b
NEIC XI 06 08 32 56.3–1.5 5.25S 101.88E 11–8 4.8b,4.9b
ISCJB XI 06 08 32 56.7–.30 5.30S–.04 101.79E–.04 29 4.6b,3.9s
MOS XI 06 08 32 57.6–.87 5.24S 101.87E 33 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=11.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=135.4.
MOS Error ellipse: s-maj=11.0km s-min=6.8km az=104.1.
ISC XI 10 12 07 36.2–1.5 6.1S–.10 103.5E–.10 33 3.4b 13 1-145
IDC XI 10 12 07 31.2–5.2 6.22S 102.52E 0 4.0s,4.0 **¶602389149**
ISCJB XI 10 12 07 34.0–1.3 6.1S–.10 103.35E–.10 33 4.0s,3.4b
DJA XI 10 12 07 38.9–1.2 6S–6.0 104E–7.0 21–11 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 02 07 20 30.9–1.3 6.37S–.07 103.81E–.08 10 4.1b 14 1-145
DJA XII 02 07 20 34.2–.80 6S–4.0 104E–5.0 10 3.8,3.8 **¶602390334**
IDC XII 02 07 21 03.2–10 5.34S 103.63E 258–95 3.9,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=121.2km s-min=18.8km az=60.0.
ISC XII 10 00 34 33.0–1.1 5.40S–.07 101.38E–.07 24 3.6b 22 2-146
IDC XII 10 00 34 30.7–3.8 5.31S 101.55E 0 3.7,3.6 **¶602390949**
DJA XII 10 00 34 31.4–1.4 6S–8.0 101E–6.0 30–19 4.0,4.0
ISC Event type ke.
ISC XII 10 08 09 23.6–.74 0.45S–.06 96.59E–.07 35 4.1b 64 2-145
IDC XII 10 08 09 18.4–.87 0.48S 96.49E 0 4.0,4.0L **¶602033212**
ISCJB XII 10 08 09 21.1–.43 0.43S–.03 96.61E–.04 33 4.0b,4.0L
DJA XII 10 08 09 21.2–.80 0S–3.0 97E–6.0 41–65 4.8b,4.5
NEIC XII 10 08 09 23.9–.46 0.38S 96.65E 35 4.4b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=19.1km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=173.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=64.0.
ISC XII 15 10 23 10.6–.92 8.33S–.08 104.38E–.08 35 3.8b 21 2-146
IDC XII 15 10 23 05.5–1.2 8.34S 104.29E 0 3.9,3.8b **¶602391377**
ISCJB XII 15 10 23 07.8–.75 8.39S–.05 104.35E–.05 33 3.7b,2.8s
DJA XII 15 10 23 07.1–1.5 8S–13 104E–10 15–21 4.8b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC XII 24 16 32 24.9–1.1 3.32S–.08 99.24E–.08 35 3.8b 22 1-146
IDC XII 24 16 32 20.7–3.1 3.30S 99.09E 0 3.9,3.8 **¶602392005**
ISCJB XII 24 16 32 21.8–.90 3.41S–.05 99.23E–.06 33 3.7b,3.2s
DJA XII 24 16 32 22.7–.70 3S–4.0 99E–5.0 46–32 5.8b,5.4
ISC Event type ke.
ISCJB Event type ke.
ISC XII 25 08 46 34.1–.28 7.91S–.04 101.25E–.04 35 5.0b,4.5s 462 4-153
MOS XII 25 08 46 31.7–1.0 7.72S 101.30E 26 5.2b,4.2s **¶602058099**
NEIC XII 25 08 46 31.8–1.2 7.89S 101.25E 20–8 5.1b,4.2s
BJI XII 25 08 46 31.4 7.90S 101.30E 24 5.1b,4.9b
ISCJB XII 25 08 46 32.3–.18 7.86S–.02 101.29E–.02 33 4.9b,4.4s
GCMT XII 25 08 46 32.8–.20 7.99S–.01 101.31E–.01 33–0 5.3W,4.4s
DJA XII 25 08 46 32.2–1.1 8S–3.0 101E–2.0 18–8 6.2,5.8b
IDC XII 25 08 46 33.9–3.2 7.75S 101.35E 27–21 5.0L,4.7
KLM XII 25 08 46 34.0 7.76S 101.10E 20 5.3b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=115.1.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.9km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=27.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c132; s105,c171;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.02 $M_{\theta\theta}$-0.45±.02; $M_{\phi\phi}$0.31±.02; $M_{r\theta}$-0.35±.03; $M_{\theta\phi}$-0.87±.01; $M_{\phi r}$-0.47±.03; Best double couple: NP1:ϕ_s13.00000°,δ87.00000°,λ-28.00000°. NP2:ϕ_s104.00000°,δ62.00000°,λ-176.00000°. Principal axes: T 0.9390,Plg17.0000° ,Azm62.0000°; N 0.3010,Plg62.0000°,Azm186.0000°; P -1.2400,Plg22.0000°,Azm325.0000° M_o1.08900×10^{17}
IDC Error ellipse: s-maj=14.5km s-min=10.2km az=35.0.

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DJA VII 02 19 59 43.3–.70 5S–3.0 102E–6.0 10 3.5,3.5
¶602027382
ISC VII 04 00 22 07.6–.92 4.4S–.10 102.0E–.10 37 4.0b 22 1-145
IDC VII 04 00 22 02.4–1.8 4.30S 102.12E 0 4.1,4.0 **¶601351256**
ISCJB VII 04 00 22 05.1–.71 4.5S–.10 101.97E–.07 37 3.9b,4.0
NEIC VII 04 00 22 07.4–.62 4.32S 102.11E 35 4.2b,4.0
DJA VII 04 00 22 10.8–1.1 4S–5.0 102E–4.0 62–36 4.0,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 04 05 38 53.7–.86 2.33S–.05 100.73E–.05 78–8 4.5b 98 1-147
BJI VII 04 05 38 51.7 2.30S 100.80E 50 4.9b,4.8b **¶601258039**
ISCJB VII 04 05 38 52.2–.51 2.25S–.04 100.83E–.05 74–5 4.5b,4.8b
NEIC VII 04 05 38 52.5–.63 2.30S 100.77E 63–6 4.7b,4.8b
DJA VII 04 05 38 53.1–.50 2S–5.0 101E–5.0 58–26 4.7,4.5
IDC VII 04 05 38 58.7–3.0 2.13S 101.00E 112–25 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=135.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.7km az=58.0.
IDC Error ellipse: s-maj=26.6km s-min=9.8km az=50.0.
ISC VII 07 14 26 02.1–.42 3.65S–.05 100.46E–.05 29 4.7b,4.3s 237 1-151
BJI VII 07 14 25 57.0 4.27S 100.77E 37 4.9b,4.9b **¶601243993**
IDC VII 07 14 25 58.2–.74 3.60S 100.60E 0 4.5,4.5b
ISCJB VII 07 14 25 59.9–.32 3.69S–.04 100.44E–.04 29 4.7b,4.3s
MOS VII 07 14 26 01.5–.96 3.46S 100.65E 33 4.9b,4.5s
DJA VII 07 14 26 02.3–.80 4S–3.0 100E–3.0 27–8 5.2,5.2b
NEIC VII 07 14 26 03.9–1.8 3.64S 100.59E 45–14 5.0b,5.2b
GCMT VII 07 14 26 03.8–.50 4.04S 100.43E 40–2 4.9W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=9.9km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=44.1.
MOS Error ellipse: s-maj=12.6km s-min=7.5km az=100.1.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=9.2km az=52.0.
GCMT Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s36,c47; s44,c57; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45±.15 $M_{\theta\theta}$-1.51±.10; $M_{\phi\phi}$0.05±.12; $M_{r\theta}$1.16±.13; $M_{\theta\phi}$0.93±.07; $M_{\phi r}$-1.29±.21; Best double couple: NP1:ϕ_s133.00000°,δ69.00000° ,λ107.00000°. NP2:ϕ_s272.00000°,δ27.00000°,λ52.00000°. Principal axes: T 2.3040,Plg62.0000°,Azm70.0000°; N 0.2920,Plg16.0000°,Azm307.0000° ; P -2.5990,Plg22.0000°,Azm210.0000° M_o2.45200×10^{16}
ISC VII 10 18 06 10.1–.48 5.01S–.06 103.51E–.06 100 4.4b 101 1-149
BJI VII 10 18 06 04.5 5.10S 103.40E 65 4.8b,4.6s **¶601258362**
ISCJB VII 10 18 06 08.5–.34 4.94S–.05 103.59E–.05 100 4.4b,4.6s
NEIC VII 10 18 06 10.4–.98 4.97S 103.48E 107–7 4.5b,4.6s
DJA VII 10 18 06 10.6–.40 5S–4.0 104E–3.0 59–8 4.5b,4.4
IDC VII 10 18 06 10.4–2.7 4.82S 103.62E 98–23 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=3.6km az=43.1.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=5.1km az=50.0.
IDC Error ellipse: s-maj=26.4km s-min=11.0km az=56.0.
IDC VII 10 18 21 27.0–4.5 3.05S 100.60E 0 3.5,3.5
¶601664391
IDC Error ellipse: s-maj=193.8km s-min=27.8km az=57.0.
ISC VII 10 22 23 30.6–1.0 1.51S–.07 99.26E–.09 30 3.7b 10 0-57
IDC VII 10 22 23 27.1–6.4 1.32S 99.49E 0 3.8,3.6 **¶601664402**
DJA VII 10 22 23 30.2–.50 1S–7.0 99E–6.0 10 3.5,3.5
ISC Event type ke.
IDC VII 12 16 03 01.4–3.6 5.16S 104.08E 0 4.0s,4.0
¶601664491
IDC Error ellipse: s-maj=157.5km s-min=21.1km az=54.0.
ISC VII 13 15 20 24.4–.79 3.4S–.10 100.44E–.09 29 4.3b,3.5s 41 1-146
IDC VII 13 15 20 20.2–1.1 3.35S 100.38E 0 4.3,4.3 **¶601272427**
ISCJB VII 13 15 20 22.5–.69 3.39S–.09 100.37E–.08 29 4.2b,3.4s
DJA VII 13 15 20 23.5–1.0 3S–6.0 100E–6.0 32–16 4.4,4.4
NEIC VII 13 15 20 25.5–.84 3.30S 100.41E 35 4.0b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=14.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=6.6km az=43.2.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=9.4km az=52.0.
ISC VII 15 09 18 15.9–.59 1.07S–.04 99.74E–.05 35 4.2b 48 1-144
IDC VII 15 09 18 09.6–2.0 1.05S 99.93E 0 3.9,3.8b **¶601484384**
ISCJB VII 15 09 18 13.8–.40 1.17S–.05 99.91E–.05 35 4.1b,3.1s
NEIC VII 15 09 18 14.8–.41 1.17S 99.88E 35 4.5b,3.1s
DJA VII 15 09 18 16.3–.20 1S–2.0 100E–2.0 10 5.6b,5.1
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Padang, Sumatra.
ISC VII 16 07 16 53.7–.71 3.80S–.10 101.82E–.08 35 4.2b 40 1-150
IDC VII 16 07 16 47.2–1.7 3.98S 101.55E 0 4.1,4.0 **¶601484385**
NEIC VII 16 07 16 55.5–.96 3.93S 101.67E 62–6 4.5b,4.0
DJA VII 16 07 16 55.0–1.9 4S–7.0 102E–7.0 17–20 3.9,3.9
ISC Event type se.
NEIC Event type se.
ISC VII 17 19 06 49.0–1.1 1.61S–.08 99.17E–.09 35 3.5b 16 0-145
ISCJB VII 17 19 06 46.9–.97 1.71S–.08 99.11E–.09 35 3.4b **¶601664737**
DJA VII 17 19 06 47.4–.60 2S–5.0 99E–6.0 15–4 3.7,3.7
IDC VII 17 19 06 48.9–6.2 0.59S 100.73E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=6.2km az=139.0.
IDC Error ellipse: s-maj=345.3km s-min=26.8km az=53.0.
ISC VII 18 04 33 59.1–.44 4.45S–.04 102.67E–.04 66–3 5.3b 1108 0-176
MOS VII 18 04 33 55.7–1.2 4.29S 102.83E 46 5.5b,4.0s **¶601404417**
KLM VII 18 04 33 57.0 4.74S 102.29E 68 5.6b,4.0s
BJI VII 18 04 33 58.2 4.40S 102.70E 68 5.3b,5.0b
DJA VII 18 04 33 58.5–.20 5S–2.0 103E–2.0 56–2 5.5,5.4b
ISCJB VII 18 04 33 58.3–.32 4.42S–.03 102.73E–.02 72–2 5.2b,5.4b
GCMT VII 18 04 33 59.3–.40 4.76S 102.52E 59–2 5.0W,5.4b
NEIC VII 18 04 33 59.3–.49 4.38S 102.79E 64–4 5.3b,5.4b
IDC VII 18 04 34 00.3–2.4 4.35S 102.84E 74–20 5.1,4.8
ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=4.5km az=111.3.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.5km az=42.9.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s32,c40; s48,c63; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.54±.25 $M_{\theta\theta}$-3.81±.20; $M_{\phi\phi}$0.27±.29; $M_{r\theta}$1.60±.14; $M_{\theta\phi}$1.88±.14; $M_{\phi r}$0.45±.18; Best double couple: NP1:ϕ_s95.00000°,δ57.00000° ,λ69.00000°. NP2:ϕ_s310.00000°,δ39.00000°,λ118.00000°. Principal axes: T 4.0700,Plg70.0000°,Azm317.0000°; N 0.6910,Plg17.0000°,Azm107.0000° ; P -4.7610,Plg9.0000°,Azm200.0000° M_o4.41500×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=46.0.
IDC Error ellipse: s-maj=10.4km s-min=8.0km az=46.0.
IDC VII 19 11 09 34.1–8.9 5.63S 102.06E 0 3.6,3.4
¶601664832
IDC Error ellipse: s-maj=435.6km s-min=27.2km az=50.0.
ISC VII 20 19 18 56.2–.63 3.65S–.05 102.95E–.06 10 4.3b 38 1-75
DJA VII 20 19 18 00.2–.90 6S–3.0 98E–4.0 16–9 5.8b,5.4 **¶601627821**
ISCJB VII 20 19 18 54.5–.49 3.72S–.07 103.00E–.09 10 4.4b,3.9s
IDC VII 20 19 18 54.5–2.9 3.86S 102.94E 0 4.0,3.9s
NEIC VII 20 19 19 00.3–.79 4.04S 102.70E 52–7 4.9b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.1km az=146.2.
IDC Error ellipse: s-maj=147.2km s-min=17.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=6.2km az=49.0.
DJA VII 21 12 46 45.4–.70 2S–7.0 102E–6.0 141–7 3.4,3.4
¶602027845
DJA VII 23 15 21 55.9–.50 2S–4.0 102E–4.0 152–6 3.7,3.7
¶602027951
IDC VII 24 19 22 20.8–17 5.67S 103.72E 108–159 3.5,3.2
¶601666386
IDC Error ellipse: s-maj=618.6km s-min=28.5km az=48.0.
ISC VII 29 14 11 07.4–.62 3.95S–.07 101.38E–.06 34 4.4b 58 1-145
ISCJB VII 29 14 11 05.0–.45 4.07S–.05 101.24E–.04 34 4.3b **¶601484879**
NEIC VII 29 14 11 08.9–.56 3.97S 101.41E 55–5 4.6b
DJA VII 29 14 11 09.1–1.1 4S–3.0 101E–3.0 30–11 5.3b,5.0b
IDC VII 29 14 11 10.5–5.4 3.84S 101.59E 58–43 4.7L,4.3
ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.2km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.4km az=53.0. Felt [III] at Kapahiang.
IDC Error ellipse: s-maj=69.7km s-min=14.5km az=57.0.
ISC VII 31 06 50 15.0–.56 4.85S–.04 103.00E–.04 68–4 5.1b 809 0-157
BJI VII 31 06 50 12.0 4.90S 103.00E 63 5.1b,5.1b **¶601497428**
DJA VII 31 06 50 14.2–.20 5S–2.0 103E–2.0 61–4 5.3b,5.2
ISCJB VII 31 06 50 14.7–.36 4.78S–.03 103.11E–.03 76–2 5.0b,5.2
MOS VII 31 06 50 14.8–1.1 4.60S 103.13E 71 5.3b,5.2
NEIC VII 31 06 50 15.6–.46 4.77S 103.09E 70–3 5.2b,5.2
IDC VII 31 06 50 16.1–1.3 4.74S 103.16E 75–10 5.0,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=2.8km az=42.6.
MOS Error ellipse: s-maj=8.8km s-min=4.5km az=116.9.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.0km az=222.0.
IDC Error ellipse: s-maj=11.8km s-min=6.4km az=38.0.
ISC VIII 01 18 54 09.9–1.3 4.5S–.10 102.16E–.07 37 3.7b 19 1-60
IDC VIII 01 18 54 06.4–4.3 4.09S 101.60E 0 3.7,3.6 **¶601765322**
ISCJB VIII 01 18 54 09.1–.84 4.57S–.07 102.10E–.05 37 3.7b,3.6
DJA VIII 01 18 54 10.5–.60 4S–3.0 102E–3.0 26–6 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 02 05 31 57.8–3.0 2.27S 100.09E 0 3.8,3.7
¶601765338
IDC Error ellipse: s-maj=144.5km s-min=20.2km az=55.0.
ISC VIII 03 18 27 03.5–1.0 5.6S–.10 103.68E–.09 47 3.7b 16 1-145
IDC VIII 03 18 26 55.5–3.3 5.72S 103.28E 0 3.7,3.6 **¶601765415**
DJA VIII 03 18 27 03.7–1.8 6S–13 104E–8.0 18–11 4.0,4.0
ISC Event type ke.
ISC VIII 04 02 00 29.3–.33 1.82S–.03 100.39E–.03 68–2 5.1b 1017 1-178
BJI VIII 04 02 00 23.2 2.35S 100.54E 70 5.3b,5.1b **¶601518062**
MOS VIII 04 02 00 25.2–.96 1.65S 100.53E 40 5.4b,5.1b
ISCJB VIII 04 02 00 28.0–.32 1.77S–.02 100.42E–.02 67–2 5.0b,5.1b
IDC VIII 04 02 00 29.7–.46 1.75S 100.60E 70–3 5.0,4.7
DJA VIII 04 02 00 29.0–.20 2S–2.0 100E–2.0 57–2 5.3b,5.1b
GCMT VIII 04 02 00 29.1–.30 1.98S–.02 100.29E–.02 52–1 5.0W,5.1b
NEIC VIII 04 02 00 30.1–.43 1.76S 100.47E 72–3 5.1b,5.1b
ISC Event type fe.
MOS Error ellipse: s-maj=8.5km s-min=4.1km az=118.6.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=44.9.
IDC Error ellipse: s-maj=10.0km s-min=6.5km az=45.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c67; s65,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.15 $M_{\theta\theta}$-1.60±.11; $M_{\phi\phi}$-1.35±.13; $M_{r\theta}$1.22±.08; $M_{\theta\phi}$1.50±.07; $M_{\phi r}$-1.04±.09; Best double couple: NP1:ϕ_s132.00000°,δ59.00000°,λ89.00000°. NP2:ϕ_s314.00000°,δ31.00000°,λ92.00000°. Principal axes: T 3.3560,Plg76.0000° ,Azm38.0000°; N 0.0290,Plg1.0000°,Azm132.0000°; P -3.3850,Plg14.0000°,Azm222.0000° M_o3.37100×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.1km az=46.0. Felt at Padang.
ISC VIII 06 06 32 08.2–1.1 4.63S–.09 102.36E–.08 35 3.8b 17 1-145
IDC VIII 06 06 31 59.3–1.8 5.09S 101.55E 0 4.0,3.8 **¶601765537**
ISCJB VIII 06 06 32 06.6–.99 4.72S–.07 102.28E–.06 35 3.8b,3.8
DJA VIII 06 06 32 12.1–.40 4S–3.0 103E–3.0 32–5 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 08 07 52 10.9–3.0 2.7S–.50 100.4E–.80 50 4.0b 7 34-145
IDC VIII 08 07 52 04.0–3.5 2.73S 100.29E 0 3.8,3.8 **¶601765640**
ISCJB VIII 08 07 52 08.2–3.1 2.8S–.60 100.2E–.80 50 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 09 01 55 12.8–1.0 4.93S–.08 102.98E–.07 66–7 4.4b 105 1-147
IDC VIII 09 01 55 04.9–.72 4.78S 102.99E 0 4.3,4.2 **¶601532921**
ISCJB VIII 09 01 55 11.8–.72 4.93S–.06 102.97E–.06 73–5 4.3b,4.2
NEIC VIII 09 01 55 12.5–.78 4.81S 103.08E 58–6 4.5b,4.2
DJA VIII 09 01 55 13.5–.30 5S–2.0 103E–2.0 26–5 5.6b,5.1
BJI VIII 09 01 55 13.4 4.65S 102.95E 56 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=12.6km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.0km az=44.6.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.7km az=225.0.
ISC VIII 14 00 14 14.9–1.5 5.8S–.10 102.8E–.10 34 3.7b 11 1-146
IDC VIII 14 00 14 11.3–4.5 5.62S 102.52E 0 3.8,3.7 **¶601765816**
ISCJB VIII 14 00 14 12.1–1.6 6.0S–.20 102.70E–.08 34 3.7b,3.7
DJA VIII 14 00 14 15.6–.80 6S–8.0 103E–6.0 29–12 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 16 11 17 13.4–.90 0.32S–.05 98.75E–.06 53 3.9b 24 1-55
ISCJB VIII 16 11 17 13.0–.48 0.33S–.05 98.79E–.06 53 3.8b **¶601765939**
DJA VIII 16 11 17 14.0–.50 0S–3.0 99E–5.0 30–9 5.2b,4.3
IDC VIII 16 11 17 21.3–3.6 0.47N 100.00E 90–28 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=144.6.
IDC Error ellipse: s-maj=119.9km s-min=17.4km az=55.0.
IDC VIII 17 17 57 32.5–5.6 2.38S 99.87E 0 3.7,3.5
¶601766008
IDC Error ellipse: s-maj=266.1km s-min=23.0km az=53.0.
IDC VIII 18 16 48 42.0–6.9 5.28S 102.49E 0 3.6,3.4
¶601766081
IDC Error ellipse: s-maj=343.1km s-min=29.2km az=50.0.
ISC VIII 20 02 56 04.4–1.2 3.4S–.20 100.8E–.20 29 4.1b 19 1-145
IDC VIII 20 02 55 57.9–1.4 3.70S 100.08E 0 4.2s,4.2 **¶601766176**
ISCJB VIII 20 02 56 04.5–.97 3.24S–.10 100.8E–.10 29 4.2s,4.1b
DJA VIII 20 02 56 10.1–1.9 3S–5.0 101E–4.0 28–21 5.0b,4.5b
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 20 13 51 47.4–.40 5S–2.0 102E–3.0 10 4.0,4.0
¶602028576
ISC VIII 20 18 29 25.0–.95 4.25S–.03 103.17E–.03 16–8 31 0-35
IDC VIII 20 18 28 11.9–6.7 1.34N 96.94E 0 3.4,3.1 **¶602028585**
ISCJB VIII 20 18 29 24.6–.62 4.21S–.03 103.14E–.03 11–5 3.3b,3.1
DJA VIII 20 18 29 25.1–.20 4S–2.0 103E–2.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 20 18 35 42.3–1.1 3.34S–.06 101.59E–.06 65–10 3.8b 30 1-145
IDC VIII 20 18 35 32.6–1.5 3.51S 101.35E 0 3.8,3.8 **¶601766211**
ISCJB VIII 20 18 35 41.7–.63 3.34S–.06 101.57E–.07 83–6 3.8b,3.8
DJA VIII 20 18 35 41.7–.70 3S–2.0 102E–3.0 20–6 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 21 03 09 39.2–.31 4.80S–.03 102.97E–.03 69–2 5.5b 1751 0-177
MOS VIII 21 03 09 36.0–.99 4.63S 103.04E 47 5.8b **¶601589478**
DJA VIII 21 03 09 37.7–.20 5S–2.0 103E–1.0 58–2 5.7,5.6
IDC VIII 21 03 09 38.5–.51 4.75S 103.05E 59–4 5.4,5.1
BJI VIII 21 03 09 38.3 4.80S 103.00E 77 5.7b,5.1b
ISCJB VIII 21 03 09 38.4–.28 4.76S–.02 103.01E–.02 71–2 5.4b,5.1b
NEIC VIII 21 03 09 39.4–.39 4.75S 103.00E 66–3 5.5b,5.1b
GCMT VIII 21 03 09 39.4–.20 5.08S–.01 102.72E–.01 52–1 5.2W,5.1b
KLM VIII 21 03 09 39.0 5.05S 102.86E 77 5.5b,5.1b
ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=114.2.
IDC Error ellipse: s-maj=8.6km s-min=6.6km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=42.6.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=221.0. Felt [III] at Bengkulu and Lubuklinggau.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c126; s88,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.28±.16 $M_{\theta\theta}$-3.31±.12; $M_{\phi\phi}$-1.97±.15; $M_{r\theta}$3.50±.12; $M_{\theta\phi}$3.54±.10; $M_{\phi r}$-1.37±.13; Best double couple: NP1:ϕ_s119.00000°,δ62.00000°,λ78.00000°. NP2:ϕ_s323.00000°,δ30.00000°,λ111.00000°. Principal axes: T 6.5270,Plg71.0000° ,Azm2.0000°; N 0.7450,Plg10.0000°,Azm124.0000°; P -7.2720,Plg16.0000°,Azm217.0000° M_o6.89900×10^{16}
ISC VIII 21 20 51 56.9–.76 1.36S–.05 99.74E–.05 57–7 4.0b 34 1-144
DJA VIII 21 20 51 55.7–.70 1S–2.0 100E–2.0 10–5 5.9b,5.5 **¶601766272**
ISCJB VIII 21 20 51 56.8–.53 1.37S–.05 99.73E–.05 75–6 3.8b,5.5
IDC VIII 21 20 51 58.5–2.1 0.81S 100.56E 53–6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.2km az=144.3.
IDC Error ellipse: s-maj=110.1km s-min=16.2km az=54.0.
DJA VIII 22 08 31 25.1–1.7 5S–6.0 102E–14 52–20 3.6,3.6
¶602028622
IDC VIII 24 15 55 04.0–6.1 0.18S 100.77E 0 3.5s,3.5
¶601766405
IDC Error ellipse: s-maj=327.5km s-min=28.1km az=54.0.
ISC VIII 24 16 24 05.6–.92 1.98S–.08 102.24E–.09 163 3.4b 18 1-52
IDC VIII 24 16 23 45.8–4.0 2.13S 102.04E 0 3.7,3.5 **¶601766406**
ISCJB VIII 24 16 24 05.6–.69 1.99S–.07 102.22E–.08 163 3.2b,3.5
DJA VIII 24 16 24 06.1–.50 2S–4.0 102E–4.0 178–5 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 24 23 03 10.9–.34 3.54S–.05 101.56E–.05 50 4.7b,3.9s 401 1-153
ISCJB VIII 24 23 03 09.8–.21 3.51S–.03 101.59E–.03 50 4.7b,3.9s **¶601625214**
MOS VIII 24 23 03 10.7–.98 3.29S 101.75E 55 5.0b,3.9s
BJI VIII 24 23 03 10.2 3.60S 101.60E 59 5.1b,4.8b
DJA VIII 24 23 03 12.3–.40 4S–4.0 102E–4.0 75–15 5.3b,4.9b
NEIC VIII 24 23 03 13.1–.65 3.47S 101.66E 66–5 4.7b,4.9b
IDC VIII 24 23 03 14.4–2.1 3.36S 101.74E 75–18 4.6,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=140.2.
MOS Error ellipse: s-maj=11.5km s-min=5.5km az=117.5.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.9km az=49.0.
IDC Error ellipse: s-maj=15.0km s-min=7.6km az=44.0.
ISC VIII 28 10 57 22.2–.74 1.53S–.06 99.79E–.07 35 4.1b 33 1-145
DJA VIII 28 10 57 08.2–.70 2S–3.0 102E–3.0 12–7 4.5b,4.3b **¶601628795**
IDC VIII 28 10 57 15.0–1.6 1.85S 99.44E 0 4.0,3.8
NEIC VIII 28 10 57 22.2–.93 1.72S 99.63E 53–7 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=78.0km s-min=17.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.6km az=54.0.
IDC VIII 29 20 44 39.8–3.1 5.57S 103.17E 0 3.8,3.7
¶601755579
IDC Error ellipse: s-maj=124.7km s-min=28.2km az=47.0.
ISC VIII 31 14 25 43.2–1.1 4.94S–.04 103.97E–.04 11–7 3.9b 27 0-61
IDC VIII 31 14 25 39.4–2.4 5.59S 103.15E 0 4.0,3.9 **¶601667560**
ISCJB VIII 31 14 25 44.0–.69 4.87S–.04 103.96E–.04 10–5 3.8b,3.9
DJA VIII 31 14 25 44.4–.20 5S–2.0 104E–2.0 10 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA IX 01 04 32 08.5–.40 2S–3.0 102E–3.0 129–4 4.6b,4.3b
¶602028890
DJA IX 01 16 54 55.4–.40 2S–3.0 102E–3.0 123–5 4.6b,3.9
¶602028930
ISC IX 06 14 50 37.5–.79 5.36S–.06 103.43E–.06 82–6 4.5b 84 1-148
ISCJB IX 06 14 50 37.0–.48 5.33S–.05 103.43E–.05 93–3 4.3b **¶601685420**
NEIC IX 06 14 50 38.1–.62 5.17S 103.45E 80–5 4.4b
DJA IX 06 14 50 38.7–.20 5S–2.0 103E–2.0 67–5 5.3b,4.8b
IDC IX 06 14 50 42.6–2.6 5.13S 103.63E 116–21 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.2km az=44.5.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=224.0.
IDC Error ellipse: s-maj=26.3km s-min=10.2km az=52.0.
ISC IX 07 03 53 53.8–2.3 1.88S–.06 99.55E–.07 35–10 3.3b 20 1-145
IDC IX 07 03 53 48.7–4.1 2.02S 99.52E 0 3.6,3.4 **¶601863095**
ISCJB IX 07 03 53 53.2–.73 1.87S–.05 99.56E–.07 48–11 3.3b,3.4
DJA IX 07 03 53 53.8–1.0 2S–3.0 100E–4.0 38–13 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 09 01 13 45.3–.95 4.4S–.10 104.8E–.10 200 3.3b 20 0-61
IDC IX 09 01 13 20.1–3.6 4.75S 103.97E 0 3.8,3.7 **¶601863200**
DJA IX 09 01 13 45.6–.50 5S–9.0 105E–7.0 223–7 5.0b,4.3
ISC Event type ke.
IDC IX 10 00 51 28.6–3.2 1.03S 98.30E 0 4.2L,3.6
¶601863274
IDC Error ellipse: s-maj=138.4km s-min=23.1km az=58.0.
IDC IX 11 20 05 55.3–8.6 0.12S 100.31E 0 4.0L,3.5
¶601863374
IDC Error ellipse: s-maj=295.1km s-min=36.6km az=66.0.
ISC IX 14 04 51 48.1–.40 3.30S–.03 100.67E–.03 23–2 6.3s,6.0b 2145 2-179
BJI IX 14 04 51 44.8 3.27S 100.61E 19 6.6s,6.5 **¶603272822**
ISCJB IX 14 04 51 46.2–.56 3.31S–.02 100.58E–.02 23–3 6.3s,6.0b
MOS IX 14 04 51 47.9–1.0 3.22S 100.63E 33 6.3b,6.2s
NEIC IX 14 04 51 47.1–.09 3.32S 100.59E 19 6.3s,6.2W
IDC IX 14 04 51 47.6–2.6 3.34S 100.58E 21–16 6.1,6.1s
NEIC IX 14 04 51 48.0–.00 3.54S 100.50E 23 6.1,6.1s
DJA IX 14 04 51 49.6–.30 3S–2.0 100E–2.0 35–3 6.4,6.4b
GCMT IX 14 04 51 51.1–.10 3.58S 100.32E 12 6.3W,6.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=35.0.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=114.9.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=38.0. Felt [IV] at Bengkulu, Padang, Painan and Pesisir Selatan, Sumatra and [III] on Pulau Sipura. Also felt in Singapore. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s71 Moment tensor: Scale 10^{18} Nm; M_{rr}1.59 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$-0.51 $M_{r\theta}$1.52 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.96 Best double couple: NP1: ϕ_s120.00000°,δ71.00000°,λ94.00000°. NP2:ϕ_s289.00000°,δ19.00000°,λ80.00000°. Principal axes: T 2.4900,Plg63.0000°,Azm35.0000°; N -0.4500,Plg3.0000°,Azm299.0000° ; P -2.0400,Plg26.0000°,Azm207.0000° M_o2.30000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ5.00000°,λ90.00000°. NP2: ϕ_s130.00000°,δ85.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm40.0000° ; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm220.0000°
IDC Error ellipse: s-maj=11.5km s-min=8.9km az=44.0.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-0.62 $M_{r\theta}$1.72 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.13 Best double couple: NP1:ϕ_s126.00000° ,δ81.00000°,λ80.00000°. NP2:ϕ_s355.00000°,δ14.00000°,λ139.00000°. Principal axes: T 2.2300,Plg52.0000°,Azm23.0000°; N -0.0700,Plg10.0000°,Azm127.0000° ; P -2.1600,Plg35.0000°,Azm224.0000° M_o2.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c346; s137,c432; Duration: 3⁋9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99±.01 $M_{\theta\theta}$-0.47±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$2.28±.02; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-1.86±.02; Best double couple: NP1:ϕ_s130.00000°,δ81.00000° ,λ88.00000°. NP2:ϕ_s324.00000°,δ10.00000°,λ104.00000°. Principal axes: T 3.0940,Plg54.0000°,Azm37.0000°; N 0.0380,Plg2.0000°,Azm130.0000° ; P -3.1310,Plg36.0000°,Azm222.0000° M_o3.11300×10^{18}
ISC IX 14 06 04 22.7–.92 3.18S–.08 100.64E–.07 28 3.5b 15 1-145
IDC IX 14 06 04 19.7–3.5 3.12S 100.89E 0 3.7,3.6 **¶601863509**
DJA IX 14 06 04 19.5–.80 4S–4.0 100E–6.0 60–14 3.9,3.9
ISC Event type ke.
DJA IX 14 06 49 29.3–1.2 6S–6.0 103E–4.0 66–24 3.5,3.5
¶602029839
IDC IX 14 08 20 28.6–4.0 3.13S 100.96E 0 3.7,3.5
¶601863516
IDC Error ellipse: s-maj=167.2km s-min=24.2km az=56.0.
IDC IX 14 11 53 18.2–3.4 3.27S 100.60E 0 3.6,3.5
¶601863520
IDC Error ellipse: s-maj=151.8km s-min=20.9km az=54.0.
ISC IX 14 14 06 38.6–.79 0.83S–.07 99.71E–.07 100 3.9b 22 1-144
ISCJB IX 14 14 06 36.6–.54 0.83S–.07 99.70E–.07 100 3.9b **¶601863528**
DJA IX 14 14 06 36.0–.50 1S–4.0 100E–4.0 129–8 4.0,4.0
IDC IX 14 14 06 37.3–4.1 0.79S 99.96E 75–33 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.2km az=135.2.
IDC Error ellipse: s-maj=64.4km s-min=17.5km az=57.0.
IDC IX 14 15 49 18.6–4.3 3.79S 100.17E 0 3.8,3.7
¶601863534

IDC Error ellipse: s-maj=182.0km s-min=22.6km az=55.0.
IDC IX 15 21 11 19.7–19 4.09S 103.32E 239–189 3.6,3.1 ¶601863605

IDC Error ellipse: s-maj=142.7km s-min=23.4km az=58.0.
IDC IX 16 03 01 30.7–4.1 3.18S 100.73E 0 4.0,3.9 ¶601863630

IDC Error ellipse: s-maj=178.3km s-min=18.8km az=55.0.
IDC IX 18 08 12 55.4–7.5 1.67S 99.34E 43–53 3.6,3.5 ¶601863752

IDC Error ellipse: s-maj=134.7km s-min=18.5km az=55.0.
IDC IX 18 14 21 07.6–4.9 3.27S 100.75E 0 3.7s,3.7 ¶601863762

IDC Error ellipse: s-maj=221.1km s-min=29.4km az=54.0.
IDC IX 19 22 12 13.1–3.5 5.29S 102.44E 0 3.7,3.6 ¶601863855

IDC Error ellipse: s-maj=158.9km s-min=20.2km az=55.0.

ISC	**IX**	**20 20 47 44.7–.31**	**0.02S–.04**	**98.79E–.04**	**48**	**5.0b,4.3s**	**310**	**1-171**
BJI	IX	20 20 47 40.7	0.10S	98.70E	30	5.2b,5.1b		¶601735539
ISCJB	IX	20 20 47 42.9–.17	0.05S–.02	98.69E–.03	48	5.0b,4.3s		
MOS	IX	20 20 47 45.1–1.0	0.07S	98.80E	73	5.3b,4.3s		
NEIC	IX	20 20 47 46.6–.74	0.07S	98.82E	72–6	5.3b,4.3s		
DJA	IX	20 20 47 46.2–.20	0S–2.0	99E–2.0	49–2	5.7,5.5b		
GCMT	IX	20 20 47 46.6–.40	0.07S–.02	98.60E–.02	67–3	5.0W,5.5b		
IDC	IX	20 20 47 47.0–1.3	0.00S	98.83E	74–11	4.8,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.3km az=141.4.
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=60.0. Felt [III] at Airbangis.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s53,c68;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.18 $M_{\theta\theta}$1.33±.14; $M_{\phi\phi}$-1.56±.16; $M_{r\theta}$1.09±.13; $M_{\theta\phi}$-2.94±.12; $M_{\phi r}$-0.35±.16; Best double couple: NP1:ϕ_s76.00000°,δ80.00000°,λ163.00000°. NP2:ϕ_s168.00000°,δ74.00000°,λ10.00000°. Principal axes: T 3.5340,Plg19.0000° ,Azm31.0000°; N -0.1270,Plg71.0000°,Azm226.0000°; P -3.4140,Plg5.0000°,Azm123.0000° M_o3.47400×10^{16}

IDC Error ellipse: s-maj=12.7km s-min=7.1km az=62.0.
DJA IX 21 00 42 10.1–.90 5S–4.0 102E–4.0 23–10 3.8,3.8 ¶602030697

DJA IX 21 14 50 11.7–.60 6S–6.0 103E–7.0 35–11 3.6,3.6 ¶602030690

IDC IX 23 20 51 45.5–12 2.51S 101.77E 147–116 3.8,3.5 ¶601864053

IDC Error ellipse: s-maj=75.3km s-min=14.9km az=56.0.
DJA IX 26 08 56 02.5–.80 1S–2.0 99E–4.0 19–6 3.6,3.6 ¶602031110

IDC X 02 06 14 25.7–3.1 2.20S 101.18E 0 4.2s,4.2 ¶601996769

IDC Error ellipse: s-maj=142.0km s-min=21.3km az=58.0.
DJA X 02 09 52 11.3–.30 2S–2.0 105E–3.0 47–26 4.3,4.3 ¶601996791

ISC	**X**	**02 14 55 30.9–.51**	**3.49S–.07**	**101.50E–.05**	**50**	**4.5b**	**110**	**1-146**
ISCJB	X	02 14 55 28.9–.35	3.61S–.04	101.46E–.04	50	4.5b,3.3s		¶601777959
BJI	X	02 14 55 28.7	3.60S	101.50E	58	4.9b,4.8b		
NEIC	X	02 14 55 31.3–.76	3.56S	101.53E	57–5	4.5b,4.8b		
DJA	X	02 14 55 31.4–.60	4S–4.0	102E–3.0	25–6	4.8b,4.6		
IDC	X	02 14 55 34.2–2.7	3.40S	101.66E	75–24	4.4,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.9km az=38.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=4.4km az=49.0.
IDC Error ellipse: s-maj=24.4km s-min=10.6km az=50.0.

ISC	**X**	**02 17 37 22.8–.29**	**2.88S–.03**	**101.95E–.03**	**111–2**	**5.2b**	**1458**	**0-177**
BJI	X	02 17 37 20.8	3.27S	101.84E	135	5.2b,5.0b		¶601777960
MOS	X	02 17 37 21.0–.92	2.80S	101.99E	104	5.3b,5.0b		
NEIC	X	02 17 37 22.0–.10	2.92S	101.92E	105	5.3b,5.0b		
ISCJB	X	02 17 37 22.2–.26	2.90S–.02	101.93E–.02	116–2	5.2b,5.0b		
IDC	X	02 17 37 23.1–.62	2.85S	102.01E	109–5	5.1,4.8		
DJA	X	02 17 37 23.1–.20	3S–2.0	102E–2.0	95–3	5.5b,5.5b		
GCMT	X	02 17 37 24.0–.30	2.98S–.02	101.91E–.02	114–2	5.0W,5.5b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Kapahiang.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c43; s67,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.38±.09 $M_{\theta\theta}$-1.32±.13; $M_{\phi\phi}$-1.06±.13; $M_{r\theta}$0.96±.08; $M_{\theta\phi}$-2.45±.10; $M_{\phi r}$-0.32±.10; Best double couple: NP1:ϕ_s71.00000°,δ56.00000°,λ125.00000°. NP2:ϕ_s200.00000°,δ47.00000°,λ50.00000°. Principal axes: T 2.9040,Plg61.0000° ,Azm39.0000°; N 0.7790,Plg28.0000°,Azm230.0000°; P -3.6830,Plg5.0000°,Azm137.0000° M_o3.29300×10^{16}

DJA X 06 10 00 48.5–.40 1S–3.0 100E–4.0 10 3.8,3.8 ¶601997259

IDC X 06 18 04 32.9–3.5 2.45S 101.27E 0 3.6,3.5 ¶601997306

IDC Error ellipse: s-maj=152.7km s-min=24.9km az=56.0.

ISC	**X**	**10 21 53 13.2–.88**	**3.92S–.07**	**100.40E–.07**	**27**	**3.8b**	**24**	**1-75**
IDC	X	10 21 53 07.0–1.3	4.40S	99.96E	0	4.3L,3.9		¶601997806
ISCJB	X	10 21 53 10.3–.71	4.08S–.05	100.30E–.06	27	3.8b,3.9		
DJA	X	10 21 53 12.1–.80	4S–4.0	100E–4.0	74–14	4.0,4.0		

ISC Event type ke.
ISCJB Event type ke.

ISC	**X**	**12 08 36 44.8–.64**	**4.95S–.07**	**102.71E–.07**	**44**	**4.2b**	**49**	**1-145**
IDC	X	12 08 36 37.9–2.3	4.95S	102.57E	0	4.2,4.1		¶601843583
ISCJB	X	12 08 36 42.2–.40	5.01S–.04	102.56E–.04	44	4.2b,4.1		
DJA	X	12 08 36 45.5–.80	5S–6.0	103E–4.0	24–7	4.1,4.1		
NEIC	X	12 08 36 45.8–.51	4.89S	102.71E	58–5	4.2b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=110.8km s-min=14.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=39.6.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=56.0.

ISC	**X**	**14 01 02 39.4–.51**	**2.84S–.05**	**100.02E–.05**	**25–3**	**4.8b,4.3s**	**406**	**0-152**
BJI	X	14 01 02 31.3	3.51S	100.07E	18	5.1b,5.0b		¶601833181
IDC	X	14 01 02 35.4–.56	2.82S	100.08E	0	4.6,4.5		
ISCJB	X	14 01 02 38.2–.70	2.77S–.03	100.10E–.03	28–5	4.8b,4.3s		
DJA	X	14 01 02 39.7–.40	3S–3.0	100E–4.0	23–3	5.0b,4.9		
MOS	X	14 01 02 39.3–.96	2.67S	100.18E	33	5.2b,4.9		
NEIC	X	14 01 02 40.2–1.4	2.78S	100.11E	29–9	4.9b,4.9		

ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=12.1km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=40.6.
MOS Error ellipse: s-maj=10.4km s-min=5.1km az=111.4.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=49.0.

ISC	**X**	**18 06 32 56.1–.96**	**3.06S–.07**	**101.27E–.06**	**53**	**3.9b**	**14**	**1-145**
IDC	X	18 06 32 50.8–5.6	2.48S	102.01E	0	4.0,3.9		¶601998759
ISCJB	X	18 06 32 55.6–.69	3.10S–.06	101.26E–.06	53	3.9b,3.9		
DJA	X	18 06 32 56.0–.80	3S–4.0	101E–3.0	20–8	3.6,3.6		

ISC Event type ke.
ISCJB Event type ke.

ISC	**X**	**18 11 05 23.9–.76**	**4.12S–.07**	**101.84E–.06**	**58**	**4.1b**	**52**	**1-145**
IDC	X	18 11 05 17.8–2.3	4.00S	101.90E	0	4.0,3.9b		¶601909730
ISCJB	X	18 11 05 22.6–.49	4.13S–.05	101.83E–.05	58	4.1b,3.5s		
DJA	X	18 11 05 22.8–.40	4S–3.0	102E–3.0	10	4.2,4.2		
NEIC	X	18 11 05 23.8–.89	4.06S	101.89E	50–6	4.3b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=90.5km s-min=15.9km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.4km az=135.8.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=4.2km az=52.0.

ISC	**X**	**20 16 29 53.1–.83**	**3.49S–.05**	**100.59E–.05**	**49–7**	**4.8b,4.2s**	**331**	**1-151**
BJI	X	20 16 29 44.9	4.09S	100.71E	35	5.1b,5.0b		¶601839792
IDC	X	20 16 29 46.7–.55	3.37S	100.65E	0	4.7,4.6		
NEIC	X	20 16 29 49.8–2.5	3.46S	100.62E	26–17	4.8b,4.6		
ISCJB	X	20 16 29 51.4–.51	3.44S–.03	100.66E–.03	48–4	4.7b,4.3s		
DJA	X	20 16 29 52.2–.50	3S–2.0	101E–2.0	32–5	5.0b,5.0		

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

IDC	**X**	**20 16 35 09.9–4.1**	**3.26S**	**100.66E**	**0**	**3.9s,3.9**		**¶601999064**

IDC Error ellipse: s-maj=171.7km s-min=23.7km az=56.0.
IDC X 23 12 52 52.1–4.5 5.84S 102.31E 0 4.0,3.8 ¶601999366

IDC Error ellipse: s-maj=171.6km s-min=27.5km az=54.0.
IDC X 25 21 38 21.2–2.0 2.80S 102.02E 0 4.0s,4.0 ¶601999653

IDC Error ellipse: s-maj=79.3km s-min=30.8km az=49.0.

ISC	**X**	**27 15 00 49.6–.73**	**2.15S–.04**	**100.83E–.04**	**81–6**	**4.7b**	**135**	**1-159**
BJI	X	27 15 00 42.4	2.66S	100.70E	70	5.1b,4.9b		¶601852916
KLM	X	27 15 00 46.0	2.37S	100.69E	33	4.9b,4.9b		
ISCJB	X	27 15 00 47.7–.33	2.13S–.03	100.81E–.03	79–3	4.6b,4.9b		
IDC	X	27 15 00 49.0–2.6	2.00S	100.99E	73–23	4.5,4.3		
NEIC	X	27 15 00 48.8–.78	2.07S	100.94E	76–7	4.7b,4.3		
DJA	X	27 15 00 48.4–.40	2S–2.0	101E–2.0	27–4	5.3b,5.0		

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

ISC	**X**	**27 19 18 56.9–.64**	**0.46S–.06**	**98.03E–.07**	**35**	**4.5b,3.5s**	**75**	**0-145**
ISCJB	X	27 19 18 55.2–.34	0.48S–.03	97.97E–.04	35	4.5b,3.5s		¶601852927
DJA	X	27 19 18 55.7–.60	0S–2.0	98E–3.0	22–4	4.7b,4.5		
IDC	X	27 19 18 55.7–.61	0.12S	98.76E	0	4.5L,4.4		
NEIC	X	27 19 18 55.1–2.3	0.48S	98.04E	19–13	4.6b,4.4		
KLM	X	27 19 18 58.0	0.54S	98.04E	37	4.4b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.5km az=144.8.
IDC Error ellipse: s-maj=22.3km s-min=15.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.5km az=56.0.

ISC	**X**	**27 19 27 41.9–.71**	**0.51S–.06**	**98.00E–.07**	**27**	**4.1b**	**61**	**1-145**
IDC	X	27 19 27 38.9–1.1	0.41S	98.21E	0	4.0,3.9		¶601999853
ISCJB	X	27 19 27 39.8–.44	0.51S–.04	97.95E–.04	27	4.1b,3.9		
NEIC	X	27 19 27 40.8–3.8	0.53S	98.00E	18–23	4.2b,3.9		
DJA	X	27 19 27 40.1–.80	1S–3.0	98E–5.0	15–4	4.3,4.3		

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

ISC	**X**	**28 17 43 36.7–.46**	**4.44S–.06**	**102.05E–.05**	**37**	**4.3b**	**97**	**1-145**
ISCJB	X	28 17 43 34.9–.36	4.48S–.04	101.94E–.04	37	4.2b,3.3s		¶601857802
IDC	X	28 17 43 35.3–.96	4.20S	102.16E	22–5	4.2,4.2		
NEIC	X	28 17 43 38.5–.82	4.34S	102.02E	58–7	4.2b,4.2		
DJA	X	28 17 43 39.6–.40	4S–4.0	102E–3.0	41–9	4.9b,4.6b		

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

ISC	**X**	**30 11 43 57.8–.90**	**5.13S–.05**	**103.00E–.06**	**59–8**	**4.7b,3.5s**	**319**	**1-152**
IDC	X	30 11 43 50.4–.60	5.00S	103.08E	0	4.5,4.5b		¶601860660
BJI	X	30 11 43 53.7	5.30S	102.70E	47	4.9b,4.8b		
MOS	X	30 11 43 55.4–1.1	5.06S	102.96E	52	4.8b,4.8b		
ISCJB	X	30 11 43 57.1–.53	5.12S–.04	103.05E–.04	68–4	4.6b,4.8b		
DJA	X	30 11 43 57.3–.40	5S–3.0	103E–2.0	27–5	5.4b,4.9		
NEIC	X	30 11 43 58.0–.67	5.11S	103.02E	56–5	4.7b,4.9		

ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=11.9km az=59.0.
MOS Error ellipse: s-maj=9.6km s-min=6.4km az=110.5.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.8km az=135.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.9km az=46.0.

ISC	**X**	**31 06 53 57.5–.58**	**2.07S–.06**	**99.61E–.08**	**30**	**4.6b,3.5s**	**91**	**3-149**
IDC	X	31 06 53 52.2–.92	2.18S	99.43E	0	4.4,4.4b		¶601864578
ISCJB	X	31 06 53 54.8–.47	2.18S–.06	99.55E–.06	30	4.6b,3.7s		
BJI	X	31 06 53 54.9	2.00S	99.70E	16	4.9b,4.8b		
NEIC	X	31 06 53 57.8–.36	2.14S	99.58E	35	4.7b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=14.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.6km az=142.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=53.0.

ISC	**XI**	**03 02 10 08.7–.48**	**3.72S–.06**	**100.69E–.06**	**32**	**4.7b,3.9s**	**169**	**1-147**
BJI	XI	03 02 10 04.4	3.70S	100.80E	10	5.0b,4.7b		¶601869344
IDC	XI	03 02 10 04.5–1.6	3.62S	100.64E	0	4.5,4.4		
MOS	XI	03 02 10 06.8–1.1	3.73S	100.88E	38	4.9b,4.4		
ISCJB	XI	03 02 10 06.8–.33	3.72S–.04	100.71E–.04	32	4.6b,4.0s		
DJA	XI	03 02 10 07.1–.50	4S–6.0	101E–6.0	57–24	5.2b,4.7		
NEIC	XI	03 02 10 09.5–1.1	3.70S	100.75E	38–7	4.6b,4.7		

ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=27.5km az=172.0.
MOS Error ellipse: s-maj=14.7km s-min=6.9km az=100.5.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.4km az=41.3.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=213.0.

ISC	**XI**	**06 08 36 50.6–1.3**	**5.2S–.20**	**102.0E–.20**	**35**	**4.2b**	**24**	**1-146**
NEIC	XI	06 08 36 46.0–.56	5.28S	101.80E	10	4.2b		¶602000836
IDC	XI	06 08 36 45.1–2.8	5.15S	101.96E	0	4.1,4.0		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=6.7km az=54.0.
IDC Error ellipse: s-maj=101.2km s-min=18.5km az=56.0.
DJA XI 07 07 16 12.1–.70 5S–4.0 102E–5.0 10 3.8,3.8 ¶606792922

ISC	**XI**	**07 15 42 29.1–.88**	**2.9S–.10**	**103.7E–.10**	**250**	**3.5b**	**19**	**1-81**
ISCJB	XI	07 15 42 28.0–.59	2.89S–.09	103.77E–.08	250	3.5b		¶602388964
DJA	XI	07 15 42 28.6–.60	3S–11	104E–11	266–11	4.6b,4.2b		
IDC	XI	07 15 42 44.8–18	2.40S	104.36E	422–219	3.8,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=7.7km az=38.5.
IDC Error ellipse: s-maj=161.0km s-min=17.3km az=53.0.
IDC XI 09 19 15 02.6–3.7 3.13S 100.37E 0 3.6,3.6 ¶602389109

IDC Error ellipse: s-maj=168.1km s-min=28.0km az=58.0.

ISC	**XI**	**13 12 12 09.3–1.1**	**4.95S–.07**	**102.99E–.07**	**65–8**	**4.5b**	**162**	**1-151**
ISCJB	XI	13 12 12 08.7–.66	4.88S–.06	103.01E–.06	75–4	4.4b		¶601890916
DJA	XI	13 12 12 09.4–.60	5S–4.0	103E–3.0	24–4	5.2b,4.6		
NEIC	XI	13 12 12 10.1–.76	4.78S	103.12E	72–5	4.5b,4.6		
IDC	XI	13 12 12 12.4–3.4	4.76S	103.09E	87–29	4.4,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=4.7km az=44.3.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=5.4km az=48.0.
IDC Error ellipse: s-maj=27.7km s-min=11.9km az=56.0.
IDC XI 14 09 22 07.2–5.5 2.55S 102.88E 0 3.9,3.7 ¶602389384

IDC Error ellipse: s-maj=248.8km s-min=87.7km az=48.0.

ISC	**XI**	**14 20 31 16.1–1.2**	**2.17S–.05**	**100.92E–.05**	**62**	**3.6b**	**14**	**1-58**
IDC	XI	14 20 31 10.6–5.1	1.15S	102.46E	0	3.6,3.4		¶602389402
ISCJB	XI	14 20 31 15.4–.69	2.18S–.06	100.91E–.06	62	3.4b,3.4		
DJA	XI	14 20 31 15.5–.40	2S–4.0	101E–3.0	34–5	3.6,3.6		

ISC Event type ke.
ISCJB Event type ke.
DJA XI 19 03 34 55.4–.80 6S–12 103E–8.0 64–78 3.7,3.7 ¶606793078

IDC XI 20 14 53 55.6–3.6 4.93S 104.37E 0 3.8,3.6 ¶602389740

IDC Error ellipse: s-maj=203.9km s-min=25.3km az=52.0.

ISC	**XI**	**20 16 53 31.0–.89**	**2.8S–.10**	**102.33E–.09**	**150**	**3.4b**	**15**	**0-58**
IDC	XI	20 16 53 14.7–3.6	2.74S	102.36E	0	3.5,3.5		¶601993242
ISCJB	XI	20 16 53 29.8–.55	2.81S–.08	102.34E–.07	150	3.2b,3.5		
DJA	XI	20 16 53 31.4–.60	3S–5.0	102E–4.0	140–6	3.4,3.4		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XI**	**20 21 46 50.5–1.1**	**5.10S–.07**	**102.89E–.07**	**58–8**	**4.4b,3.2s**	**101**	**1-146**
NEIC	XI	20 21 46 49.9–.73	4.94S	102.97E	48–5	4.3b,3.2s		¶601993276
ISCJB	XI	20 21 46 50.1–.72	5.06S–.06	102.92E–.06	69–5	4.3b,3.2s		

DJA XI 20 21 46 51.2–.70 5S–3.0 103E–3.0 27–6 4.3b,4.2
IDC XI 20 21 46 53.9–3.3 4.90S 103.04E 82–29 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=3.9km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=4.7km az=43.6.
IDC Error ellipse: s-maj=27.4km s-min=11.9km az=52.0.
ISC XI 22 18 01 15.0–.59 4.54S–.04 102.79E–.04 76–4 5.1b 667 0-157
BJI XI 22 18 01 07.4 5.28S 102.76E 78 5.1b,5.0b **¶601993778**
NEIC XI 22 18 01 10.4–.93 4.54S 102.83E 35–8 5.2b,5.0b
MOS XI 22 18 01 12.7–1.0 4.34S 102.90E 63 5.4b,5.0b
ISCJB XI 22 18 01 14.2–.33 4.53S–.03 102.80E–.03 81–2 5.0b,5.0b
IDC XI 22 18 01 14.7–1.6 4.40S 102.82E 68–13 4.9,4.7
DJA XI 22 18 01 14.6–.20 5S–2.0 103E–2.0 61–2 5.2,5.2b
GCMT XI 22 18 01 16.4–.40 4.74S–.02 102.57E–.03 69–2 4.8W,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c33; s60,c79;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.12 $M_{\theta\theta}$-1.26±.10; $M_{\phi\phi}$-0.71±.13; $M_{r\theta}$0.81±.07; $M_{\theta\phi}$1.44±.08; $M_{\phi r}$-0.44±.09; Best double couple: NP1:ϕ_s124.00000°,δ56.00000°,λ83.00000°. NP2:ϕ_e316.00000°,δ34.00000°,λ100.00000°. Principal axes: T 2.1640,Plg78.0000° ,Azm12.0000°; N 0.4610,Plg6.0000°,Azm128.0000°; P -2.6300,Plg11.0000°,Azm219.0000° M_o2.39700×10^{16}
ISC XI 23 03 08 19.5–.92 4.07S–.09 102.22E–.08 58 3.9b 22 1-145
IDC XI 23 03 08 10.2–3.7 4.15S 102.04E 0 4.0,3.9 **¶602389862**
ISCJB XI 23 03 08 19.4–.91 4.20S–.07 102.09E–.07 58 3.9b,3.9
DJA XI 23 03 08 22.1–.40 4S–4.0 102E–4.0 55–5 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 25 02 26 52.4–.78 2.24S–.05 100.15E–.09 34 3.4b 14 1-145
DJA XI 25 02 26 50.8–.80 2S–6.0 100E–4.0 15–14 3.4,3.4 **¶602389951**
ISCJB XI 25 02 26 51.2–.67 2.24S–.04 100.21E–.08 34 3.3b,3.4
IDC XI 25 02 26 52.5–3.7 2.37S 99.99E 41–8 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.4km az=1.6.
IDC Error ellipse: s-maj=159.2km s-min=20.9km az=55.0.
IDC XI 25 14 49 55.1–3.6 5.10S 103.62E 0 3.3,3.2
¶602389977
IDC Error ellipse: s-maj=170.1km s-min=23.0km az=53.0.
IDC XI 26 09 17 54.8–6.8 2.61S 101.91E 0 3.6,3.4
¶602390021
IDC Error ellipse: s-maj=363.7km s-min=26.9km az=52.0.
IDC XI 30 01 10 15.9–4.6 5.33S 103.05E 0 3.6,3.5
¶602390210
IDC Error ellipse: s-maj=186.6km s-min=28.0km az=51.0.
DJA XII 03 00 26 38.8–.40 3S–2.0 101E–2.0 14–3 4.1,4.1
¶606793288
ISC XII 03 10 38 40.7–.89 2.59S–.06 100.0E–.10 30 3.6b 12 0-145
IDC XII 03 10 38 38.8–3.5 2.15S 100.57E 0 3.7,3.5 **¶602390389**
DJA XII 03 10 38 39.7–.40 3S–9.0 100E–6.0 14–11 3.2,3.2
ISCJB XII 03 10 38 40.0–.68 2.64S–.06 100.1E–.10 30 3.5b,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC XII 07 14 34 01.3–.69 1.79S–.04 100.45E–.05 10 3.9b 21 1-144
IDC XII 07 14 33 56.9–2.2 1.95S 100.29E 0 4.0,3.8 **¶602390687**
ISCJB XII 07 14 34 03.7–.77 1.83S–.05 100.37E–.05 10 4.0b,3.8
DJA XII 07 14 34 04.2–.60 2S–3.0 100E–3.0 14–6 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 00 48 32.4–.85 3.71S–.09 101.55E–.07 50 3.7b 27 1-145
ISCJB XII 08 00 48 30.9–.54 3.77S–.06 101.49E–.05 50 3.8b **¶602030339**
DJA XII 08 00 48 31.5–1.2 4S–4.0 102E–4.0 18–11 5.0b,4.3
IDC XII 08 00 48 33.4–10 3.60S 101.62E 58–96 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=41.3.
IDC Error ellipse: s-maj=40.1km s-min=18.6km az=60.0.
ISC XII 08 20 47 25.1–.46 5.26S–.06 102.23E–.06 35 4.6b,3.9s 106 1-150
IDC XII 08 20 47 20.6–.93 5.06S 102.34E 0 4.4L,4.3 **¶602032204**
ISCJB XII 08 20 47 23.7–.31 5.23S–.04 102.22E–.04 35 4.5b,4.0s
DJA XII 08 20 47 24.9–.50 5S–5.0 102E–5.0 10 5.1b,4.7
KLM XII 08 20 47 24.0 5.51S 102.01E 30 4.6b,4.7
NEIC XII 08 20 47 25.9–.65 5.16S 102.28E 41–5 4.8b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=13.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=44.3.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=52.0.
ISC XII 15 19 16 48.8–1.2 3.59S–.05 100.47E–.05 1–7 4.8b 262 1-149
BJI XII 15 19 16 44.0 4.09S 100.78E 8 5.1b,4.8b **¶602043761**
MOS XII 15 19 16 49.9–.95 3.47S 100.54E 19 5.0b,4.8b
IDC XII 15 19 16 49.1–.65 3.47S 100.65E 0 4.5,4.5b
NEIC XII 15 19 16 50.2–.25 3.54S 100.54E 10 4.9b,4.5b
ISCJB XII 15 19 16 51.3–.89 3.59S–.04 100.55E–.04 30–6 4.8b,4.0s
DJA XII 15 19 16 52.6–.50 4S–4.0 100E–4.0 42–7 4.8b,4.7
KLM XII 15 19 16 55.0 3.40S 100.46E 182 4.5b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=12.1km s-min=6.1km az=110.8.
IDC Error ellipse: s-maj=21.6km s-min=11.8km az=46.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.4km az=43.1.
IDC XII 16 01 14 18.3–3.4 1.52S 101.94E 0 3.7,3.6
¶602391432
IDC Error ellipse: s-maj=148.2km s-min=21.4km az=57.0.
ISC XII 16 12 40 20.2–.60 3.09S–.06 101.16E–.06 46 4.4b 51 1-146
IDC XII 16 12 40 13.1–1.9 3.05S 101.16E 0 4.2,4.1b **¶602268547**
ISCJB XII 16 12 40 17.3–.48 3.23S–.05 100.99E–.06 46 4.3b,2.9s
NEIC XII 16 12 40 17.5–.70 3.43S 100.79E 35 4.5b,2.9s
DJA XII 16 12 40 22.1–.60 3S–3.0 101E–3.0 25–5 4.0,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 29 19 44 00.2–.75 4.1S–.10 101.86E–.09 58 4.1b 45 1-145
IDC XII 29 19 43 52.5–1.3 4.11S 101.67E 0 4.0,4.0 **¶602355696**
ISCJB XII 29 19 43 58.1–.48 4.05S–.07 101.84E–.07 58 4.0b,4.0
NEIC XII 29 19 43 58.5–.87 4.11S 101.78E 44–7 4.2b,4.0
DJA XII 29 19 43 58.3–1.1 4S–6.0 102E–6.0 24–10 4.5b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 30 19 25 54.6–.67 2.02S–.04 100.69E–.04 68–6 4.6b 183 1-146
BJI XII 30 19 25 49.3 2.47S 100.69E 64 5.2b,4.7b **¶602065118**
MOS XII 30 19 25 52.5–1.0 1.96S 100.77E 58 4.8b,4.7b
NEIC XII 30 19 25 54.5–.61 1.99S 100.80E 66–5 4.6b,4.7b
ISCJB XII 30 19 25 54.1–.31 2.04S–.03 100.72E–.03 76–2 4.5b,4.7b
KLM XII 30 19 25 54.0 2.16S 100.57E 38 4.7b,4.7b
DJA XII 30 19 25 54.6–.20 2S–2.0 101E–2.0 52–3 4.8b,4.7
IDC XII 30 19 25 54.3–2.9 1.97S 100.81E 62–25 4.5,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=12.8km s-min=6.0km az=118.6.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=3.8km az=51.0. Felt at Padang and Sungai Penuh.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=43.3.
IDC Error ellipse: s-maj=25.9km s-min=10.2km az=50.0.
ISC XII 31 06 44 00.4–1.1 3.70S–.08 100.76E–.08 32 3.2b 17 1-146
IDC XII 31 06 43 58.0–4.0 3.36S 101.20E 0 3.6,3.5b **¶602380473**
ISCJB XII 31 06 43 58.2–.88 3.76S–.07 100.72E–.07 32 3.4b,3.2s
DJA XII 31 06 43 58.5–1.3 4S–5.0 101E–5.0 18–15 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 31 21 59 32.2–1.4 2.90S–.09 100.01E–.09 23–9 3.8b 21 0-145
IDC XII 31 21 59 29.5–1.3 2.75S 100.13E 0 3.9,3.9b **¶602380517**
DJA XII 31 21 59 33.6–.50 3S–5.0 100E–4.0 10 3.9,3.9
ISC Event type ke.

(275) Java Sea.

ISC VIII 04 10 54 58.1–.46 5.87S–.06 110.59E–.05 559–5 4.3b 136 1-158
ISCJB VIII 04 10 54 57.4–.20 5.82S–.04 110.64E–.04 566–2 4.2b **¶601518147**
IDC VIII 04 10 54 57.6–.60 5.77S 110.70E 551–7 4.6,3.7
NEIC VIII 04 10 54 58.5–.26 5.80S 110.64E 563–3 4.4b,3.7
DJA VIII 04 10 54 58.8–.20 6S–3.0 111E–3.0 549–2 5.2b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 08 16 24 17.4–10 5.56S 117.59E 0 3.6,3.4
¶601997555
IDC Error ellipse: s-maj=259.1km s-min=143.5km az=34.0.
ISC X 09 23 22 36.3–.67 5.74S–.08 109.9E–.10 550 3.8b 32 1-141
ISCJB X 09 23 22 35.8–.39 5.70S–.07 109.92E–.07 550 3.7b **¶601819780**
DJA X 09 23 22 35.2–.90 6S–9.0 110E–7.0 582–13 5.0b,4.3
IDC X 09 23 22 36.8–1.2 5.57S 110.02E 551–17 4.2,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.9km az=138.9.
IDC Error ellipse: s-maj=24.7km s-min=10.1km az=59.0.
IDC X 11 16 15 15.5–3.0 4.41S 107.28E 0 3.8,3.6
¶601997908
IDC Error ellipse: s-maj=176.0km s-min=26.9km az=53.0.

(276) Sunda Strait.

ISC VII 04 23 39 19.5–.72 6.83S–.07 105.81E–.05 113–5 4.4b 186 0-151
BJI VII 04 23 39 17.2 6.60S 105.80E 95 4.8b,4.7b **¶601242104**
ISCJB VII 04 23 39 19.2–.44 6.75S–.06 105.87E–.04 130–2 4.2b,4.7b
NEIC VII 04 23 39 20.7–1.2 6.58S 105.89E 118–9 4.4b,4.7b
DJA VII 04 23 39 20.9–.30 7S–4.0 106E–2.0 91–4 5.6b,5.0
IDC VII 04 23 39 22.7–1.5 6.62S 105.99E 143–10 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=3.8km az=32.2.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.7km az=48.0.
IDC Error ellipse: s-maj=25.3km s-min=10.8km az=43.0.
DJA VII 14 04 42 06.5–.40 6S–5.0 105E–5.0 10 3.7,3.7
¶602027669
ISC VII 14 04 43 43.7–.68 6.16S–.07 105.37E–.06 26 4.0b 38 1-144
ISCJB VII 14 04 43 42.7–.46 6.17S–.08 105.38E–.07 26 3.9b **¶601664549**
DJA VII 14 04 43 42.3–.40 6S–5.0 105E–4.0 10 4.4,4.4
IDC VII 14 04 43 48.4–2.1 6.19S 105.29E 71–14 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=4.7km az=39.0.
IDC Error ellipse: s-maj=39.5km s-min=8.3km az=37.0.
ISC VII 14 23 52 08.9–1.1 6.07S–.05 105.41E–.04 15–8 3.8b 28 1-80
ISCJB VII 14 23 52 09.8–.69 6.16S–.05 105.38E–.04 18–7 3.8b **¶601664592**
DJA VII 14 23 52 09.6–.30 6S–3.0 105E–3.0 10 3.6,3.6
IDC VII 14 23 52 16.4–5.2 5.94S 105.35E 84–44 3.8,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=4.3km az=38.6.
IDC Error ellipse: s-maj=93.3km s-min=18.8km az=47.0.
ISC VII 16 12 55 15.6–1.3 6.85S–.09 105.08E–.07 53–10 4.2b 80 1-150
IDC VII 16 12 55 09.4–1.1 6.57S 105.18E 0 4.2,4.2b **¶601352357**
ISCJB VII 16 12 55 15.5–.75 6.86S–.08 105.07E–.05 75–5 4.1b,4.2b
DJA VII 16 12 55 15.6–.60 7S–3.0 105E–3.0 14–4 5.5b,5.0
NEIC VII 16 12 55 17.4–.77 6.63S 105.19E 64–5 4.4b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=15.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=4.3km az=32.5.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=4.9km az=217.0.
ISC VII 29 14 21 17.6–.58 6.09S–.04 104.35E–.04 58–4 5.2b,4.2s 1068 1-154
BJI VII 29 14 21 16.1 6.10S 104.30E 60 5.1b,5.1b **¶601484831**
DJA VII 29 14 21 16.8–.20 6S–2.0 104E–2.0 48–2 5.5b,5.4
IDC VII 29 14 21 17.5–1.6 5.90S 104.57E 52–13 4.9,4.7b
ISCJB VII 29 14 21 18.2–.37 5.99S–.03 104.48E–.03 73–3 5.0b,4.7b
GCMT VII 29 14 21 18.4–.30 6.46S 104.45E 53–1 5.1W,4.7b
NEIC VII 29 14 21 18.4–.55 6.00S 104.42E 66–4 5.2b,4.7b
MOS VII 29 14 21 20.0–1.1 5.69S 104.68E 81 5.3b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=7.1km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.8km az=39.1.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s67,c100; s74,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.19 $M_{\theta\theta}$-4.06±.13; $M_{\phi\phi}$-0.06±.17; $M_{r\theta}$1.59±.12; $M_{\theta\phi}$1.63±.10; $M_{\phi r}$-1.37±.12; Best double couple: NP1:ϕ_s119.00000°,δ58.00000° ,λ101.00000°. NP2:ϕ_e279.00000°,δ34.00000°,λ73.00000°. Principal axes: T 4.6700,Plg74.0000°,Azm61.0000°; N 0.3890,Plg10.0000°,Azm293.0000° ; P -5.0630,Plg12.0000°,Azm201.0000° M_o4.86600×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.3km az=219.0.
MOS Error ellipse: s-maj=9.1km s-min=4.4km az=119.5.
ISC VIII 09 09 05 55.1–1.3 6.15S–.07 105.38E–.07 17–9 3.8b 27 1-144
ISCJB VIII 09 09 05 56.1–.80 6.15S–.06 105.35E–.06 26–7 3.8b **¶601765693**
DJA VIII 09 09 05 56.5–.30 6S–3.0 105E–3.0 10 3.7,3.7
IDC VIII 09 09 06 03.8–4.1 5.69S 105.54E 86–31 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.4km az=139.9.
IDC Error ellipse: s-maj=88.3km s-min=17.4km az=48.0.
ISC IX 11 04 17 01.8–.99 6.43S–.07 104.98E–.06 66–8 4.5b 191 1-153
ISCJB IX 11 04 17 01.5–.52 6.39S–.06 105.03E–.05 77–3 4.5b **¶601705107**
BJI IX 11 04 17 01.1 6.56S 105.27E 83 5.1b,4.8b
DJA IX 11 04 17 01.8–.60 6S–3.0 105E–3.0 19–4 4.7b,4.6b
NEIC IX 11 04 17 03.2–.77 6.17S 105.13E 74–6 4.8b,4.6b
IDC IX 11 04 17 05.0–3.5 6.12S 105.19E 88–30 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=3.7km az=38.5.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=5.2km az=219.0.
IDC Error ellipse: s-maj=30.9km s-min=12.7km az=59.0.
ISC IX 21 13 39 23.9–1.0 6.75S–.10 105.19E–.08 49 3.4b 20 1-57
ISCJB IX 21 13 39 22.4–.84 6.79S–.08 105.13E–.07 49 3.5b **¶601863952**
DJA IX 21 13 39 22.8–.90 7S–6.0 105E–4.0 20–5 3.9,3.9
IDC IX 21 13 39 28.6–5.8 6.51S 105.29E 96–40 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=5.3km az=35.3.
IDC Error ellipse: s-maj=85.9km s-min=18.3km az=58.0.
ISC IX 21 15 37 50.3–1.6 6.78S–.07 105.15E–.05 28–11 4.0b 39 1-80
DJA IX 21 15 37 50.5–.50 7S–3.0 105E–2.0 12–4 4.6b,4.4 **¶601863957**
IDC IX 21 15 37 54.2–3.4 6.63S 105.23E 60–31 4.5L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=13.5km az=34.0.
ISC IX 28 09 47 10.0–1.0 6.7S–.10 105.33E–.09 53 3.6b 19 0-145
IDC IX 28 09 47 03.8–3.6 6.19S 105.63E 0 3.9,3.7 **¶601755837**
ISCJB IX 28 09 47 08.9–.89 6.73S–.09 105.31E–.08 53 3.7b,3.7
DJA IX 28 09 47 08.8–1.1 7S–8.0 105E–7.0 22–6 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
DJA XI 08 01 28 10.8–.70 6S–20 106E–13 152–11 3.6,3.6
¶606792934
DJA XII 27 13 35 12.7–.80 7S–5.0 104E–7.0 10 4.7b,4.2
¶606793615

(277) Jawa.

ISC VII 04 13 13 31.9–.60 8.93S–.07 113.03E–.04 121–5 4.0b 59 1-149
NEIC VII 04 13 13 29.4–.92 8.84S 113.07E 95–9 4.3b **¶601351257**
IDC VII 04 13 13 29.3–2.5 8.83S 113.08E 93–22 4.1,3.8
ISCJB VII 04 13 13 31.3–.42 8.84S–.06 113.09E–.03 129–3 3.9b,3.8
DJA VII 04 13 13 32.6–.40 9S–8.0 113E–2.0 94–9 5.5b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC VII 07 00 27 26.6–1.7 8.03S–.07 107.13E–.05 19–4 3.6b 17 1-63
IDC VII 07 00 27 27.6–5.9 7.81S 106.63E 71–48 3.8,3.6 **¶601663568**
DJA VII 07 00 27 29.0–.70 8S–5.0 107E–3.0 17–7 3.8,3.8
ISC Event type ke.
ISC VII 08 21 15 45.6–.73 8.65S–.07 107.25E–.06 35 4.0b 31 1-74
ISCJB VII 08 21 15 45.6–.63 8.70S–.04 107.25E–.05 33 3.8b **¶601246356**
DJA VII 08 21 15 46.9–.50 8S–4.0 107E–3.0 10 4.3,4.3
IDC VII 08 21 15 52.4–1.9 8.36S 107.37E 101–15 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.8km az=154.0.
IDC Error ellipse: s-maj=29.8km s-min=11.4km az=62.0.
ISC VII 08 23 48 34.0–1.1 8.3S–.10 108.58E–.06 55 3.5b 20 1-64
IDC VII 08 23 48 28.6–.99 7.03S 109.53E 0 3.7,3.5b **¶601664313**
ISCJB VII 08 23 48 31.6–1.0 8.33S–.09 108.56E–.06 55 3.4b,2.5s
DJA VII 08 23 48 32.8–1.0 8S–9.0 109E–4.0 32–7 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VII 13 17 57 05.8–.51 8.11S–.04 109.09E–.03 73–4 4.9b 738 1-160
MOS VII 13 17 57 01.3–1.1 7.95S 109.05E 45 5.2b **¶601272428**
BJI VII 13 17 57 04.9 8.00S 109.10E 70 4.9b,4.8b
GCMT VII 13 17 57 06.3–.30 8.43S 109.15E 71–2 4.9W,4.8b
NEIC VII 13 17 57 06.3–.50 7.98S 109.10E 74–4 4.9b,4.8b
DJA VII 13 17 57 06.0–.30 8S–4.0 109E–2.0 59–4 5.2b,5.2
ISCJB VII 13 17 57 06.4–.33 8.00S–.03 109.09E–.02 93–2 4.8b,5.2
IDC VII 13 17 57 09.0–.93 7.93S 109.16E 97–8 4.8,4.5
KLM VII 13 17 57 09.0 8.15S 109.22E 71 5.1b,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=8.4km s-min=5.3km az=119.8.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s47,c61; s72,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.25±.10 $M_{\theta\theta}$-2.77±.09; $M_{\phi\phi}$0.51±.11; $M_{r\theta}$1.13±.07; $M_{\theta\phi}$0.33±.08; $M_{\phi r}$-0.10±.07; Best double couple: NP1:ϕ_s96.00000°,δ57.00000°,λ90.00000°. NP2:ϕ_s276.00000°,δ33.00000°,λ90.00000°. Principal axes: T 2.4930,Plg78.0000°,Azm5.0000°; N 0.5510,Plg0.0000°,Azm96.0000°; P -3.0470,Plg12.0000°,Azm186.0000° M_o2.77000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=218.0. Felt [III] at Ciamis, Cilacap and Pangandaran. Also felt at Sleman.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.0km az=26.4.
IDC Error ellipse: s-maj=10.1km s-min=6.9km az=39.0.
ISC VII 17 13 01 21.0–.77 7.7S–.10 112.09E–.07 200 4.0b 30 0-60
ISCJB VII 17 13 01 19.7–.38 7.60S–.10 112.12E–.05 200 4.0b **¶601664724**
DJA VII 17 13 01 21.0–.30 8S–11 112E–3.0 183–4 4.2b,3.9
IDC VII 17 13 01 30.1–8.8 7.23S 112.54E 282–95 4.1,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=4.9km az=18.1.
IDC Error ellipse: s-maj=136.1km s-min=14.9km az=52.0.
DJA VII 17 15 08 41.4–1.1 8S–5.0 107E–5.0 23–9 3.8,3.8
¶602027753
ISC VII 22 13 00 31.1–.83 8.14S–.09 111.42E–.04 153–6 4.0b 32 0-66
IDC VII 22 13 00 12.9–2.7 8.02S 111.09E 0 4.1,4.0 **¶601664972**
ISCJB VII 22 13 00 31.0–.51 8.2S–.10 111.45E–.04 147–5 3.9b,4.0
DJA VII 22 13 00 32.6–.40 8S–6.0 111E–2.0 133–3 4.1b,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA VII 23 19 32 26.4–2.2 8S–5.0 107E–3.0 18–21 3.9,3.9
¶602027953
DJA VII 23 20 00 04.0–1.0 8S–5.0 107E–3.0 30–13 3.9,3.9
¶602027955
ISC VII 26 22 38 14.6–.73 8.20S–.08 107.34E–.06 62 3.9b 37 1-151
ISCJB VII 26 22 38 13.5–.56 8.26S–.06 107.36E–.04 62 3.8b **¶601666497**
DJA VII 26 22 38 14.5–1.0 8S–3.0 107E–2.0 15–7 4.5b,4.3
IDC VII 26 22 38 17.2–3.1 8.02S 107.34E 85–23 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.1km az=22.9.
IDC Error ellipse: s-maj=47.3km s-min=13.6km az=52.0.
DJA VII 27 09 40 26.8–.60 8S–6.0 108E–2.0 10 3.8,3.8
¶602028021
DJA VII 31 20 25 11.6–.80 8S–4.0 107E–2.0 19–7 4.2,4.2
¶602028115
ISC VIII 03 00 57 17.9–1.5 8.22S–.09 107.61E–.05 44–15 4.0b,3.3s 44 1-144
DJA VIII 03 00 57 18.7–.60 8S–4.0 108E–2.0 34–12 5.7b,5.2 **¶601513945**
IDC VIII 03 00 57 21.2–1.8 7.93S 107.69E 79–16 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=11.8km az=57.0.
ISC VIII 03 23 34 14.0–.81 7.92S–.06 108.09E–.05 74–6 4.5b 270 0-152
BJI VIII 03 23 34 10.9 8.39S 107.68E 93 5.1b,4.6b **¶601518057**
ISCJB VIII 03 23 34 15.0–.52 7.72S–.05 108.10E–.03 95–4 4.5b,4.6b
DJA VIII 03 23 34 14.1–.50 8S–4.0 108E–2.0 31–5 5.2b,5.0
IDC VIII 03 23 34 15.8–1.3 7.68S 108.11E 87–11 4.4,4.2
NEIC VIII 03 23 34 16.4–.50 7.66S 108.11E 92–4 4.5b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.4km az=24.4.
IDC Error ellipse: s-maj=19.1km s-min=10.2km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.8km az=216.0. Felt [III] at Pangandaran and Tasikmalaya.
DJA VIII 14 01 53 38.1–1.1 8S–12 107E–5.0 10 4.0,4.0
¶602028383
DJA VIII 16 09 09 13.7–.70 8S–5.0 108E–2.0 25–4 3.6,3.6
¶602028427
ISC VIII 17 04 10 40.2–2.0 8.35S–.07 108.18E–.04 10–12 3.8b,2.7s 27 1-144
DJA VIII 17 04 10 44.3–.50 8S–3.0 108E–2.0 24–4 4.3,4.2 **¶601765966**
IDC VIII 17 04 10 48.8–1.9 7.94S 108.24E 102–12 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=15.9km az=50.0.
ISC VIII 18 08 51 14.4–1.0 8.7S–.10 111.45E–.06 150 3.4b 15 1-66
IDC VIII 18 08 51 01.1–3.1 8.03S 111.66E 0 3.6,3.5 **¶601766039**
ISCJB VIII 18 08 51 13.2–.78 8.7S–.10 111.43E–.07 150 3.4b,3.5
DJA VIII 18 08 51 15.8–.70 9S–13 111E–4.0 114–10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 20 08 52 24.5–.84 7.1S–.20 108.89E–.09 250 3.3b 24 0-59
ISCJB VIII 20 08 52 24.0–.42 7.2S–.20 108.90E–.07 250 3.3b **¶601566551**
IDC VIII 20 08 52 23.6–3.0 6.54S 109.16E 232–58 3.7,3.3
DJA VIII 20 08 52 24.8–.40 7S–12 109E–4.0 236–5 5.4b,4.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 28 12 48 16.3–.83 7.6S–.10 113.96E–.07 250 3.5b 26 0-56
ISCJB VIII 28 12 48 15.3–.48 7.5S–.10 114.01E–.05 250 3.6b **¶601755514**
DJA VIII 28 12 48 15.9–.40 8S–12 114E–3.0 257–5 4.8b,4.2b
IDC VIII 28 12 48 17.6–12 7.33S 114.23E 253–128 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.0km az=10.0.
IDC Error ellipse: s-maj=97.1km s-min=23.5km az=65.0.
DJA VIII 28 17 59 44.5–.70 8S–11 112E–3.0 122–6 3.1,3.1
¶602028781
DJA VIII 31 23 37 15.5–.90 8S–7.0 107E–3.0 28–7 3.6,3.6
¶602028872
DJA IX 01 07 29 51.9–.80 8S–4.0 107E–3.0 13–5 3.8,3.8
¶602028897
DJA IX 03 00 01 15.2–1.0 7S–17 106E–9.0 114–11 3.6,3.6
¶602029016
DJA IX 03 08 30 09.9–.90 8S–4.0 107E–3.0 18–6 3.9,3.9
¶602029035
ISC IX 03 13 10 55.7–1.2 8.6S–.10 111.38E–.06 100 2.9b 12 0-61
IDC IX 03 13 10 43.6–3.3 7.64S 111.80E 0 3.8L,3.5 **¶601862867**
ISCJB IX 03 13 10 54.8–.74 8.7S–.10 111.37E–.08 100 3.0b,3.5
DJA IX 03 13 10 55.4–.80 9S–14 111E–4.0 88–13 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 03 22 27 38.5–.50 7.54S–.08 106.26E–.05 100 4.3b 102 1-152
DJA IX 03 22 27 35.8–2.5 8S–13 106E–6.0 21–18 4.6,4.6 **¶601673034**
ISCJB IX 03 22 27 37.7–.39 7.44S–.06 106.31E–.04 100 4.3b,4.6
NEIC IX 03 22 27 38.1–.95 7.43S 106.27E 85–7 4.6b,4.6
IDC IX 03 22 27 40.8–1.8 7.36S 106.38E 106–13 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=29.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=223.0.
IDC Error ellipse: s-maj=22.2km s-min=11.4km az=52.0.
DJA IX 05 20 50 26.1–4.8 8S–44 108E–23 35–25 3.6,3.6
¶602029231
DJA IX 06 21 13 10.4–.30 8S–5.0 108E–2.0 10 4.0,4.0
¶602029327
IDC IX 08 08 02 52.5–3.1 8.57S 109.74E 0 3.8,3.6
¶601863156
IDC Error ellipse: s-maj=161.7km s-min=25.9km az=48.0.
ISC IX 08 18 27 14.8–1.0 6.68S–.04 106.67E–.03 16–6 4.6b,3.6s 228 0-161
BJI IX 08 18 27 07.7 7.20S 107.05E 7 4.7b,4.7s **¶601696504**
IDC IX 08 18 27 12.0–.49 6.44S 106.64E 0 4.7L,4.4
ISCJB IX 08 18 27 15.7–.20 6.71S–.03 106.61E–.02 33 4.6b,3.7s
DJA IX 08 18 27 15.5–.10 7S–2.0 107E–2.0 10 5.2b,4.8
MOS IX 08 18 27 16.4–1.3 6.42S 106.76E 41 4.8b,4.8
NEIC IX 08 18 27 17.7–.72 6.51S 106.75E 41–6 4.8b,4.8
ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=10.3km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=30.4.
MOS Error ellipse: s-maj=13.7km s-min=7.4km az=125.9.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=4.6km az=218.0. Felt [II] at Bogor and Sukabumi.
ISC IX 09 15 58 05.9–1.4 7.33S–.10 106.08E–.06 50–12 3.9b 37 1-144
ISCJB IX 09 15 58 05.7–.97 7.3S–.10 106.11E–.07 59–9 3.8b,2.5s **¶601863243**
DJA IX 09 15 58 05.0–.80 7S–5.0 106E–3.0 20–5 5.1b,4.5
IDC IX 09 15 58 09.4–3.1 7.10S 106.11E 87–24 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=5.4km az=29.9.
IDC Error ellipse: s-maj=41.4km s-min=11.2km az=39.0.
ISC IX 11 12 44 23.9–1.6 7.47S–.10 105.89E–.07 47–14 3.9b 40 1-145
ISCJB IX 11 12 44 24.1–.00 7.40S–.10 105.99E–.06 60–10 3.8b,2.8s **¶601863355**
DJA IX 11 12 44 24.5–.70 7S–4.0 106E–3.0 23–5 5.9b,5.5
IDC IX 11 12 44 28.5–4.3 6.98S 106.18E 81–33 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=4.7km az=31.8.
IDC Error ellipse: s-maj=64.2km s-min=14.4km az=82.0.
DJA IX 15 06 57 30.8–.50 9S–4.0 110E–3.0 10 4.1b,3.9
¶602029917
ISC IX 16 21 44 06.8–2.2 8.79S–.08 108.55E–.04 30–16 3.9b 33 1-84
ISCJB IX 16 21 44 06.3–1.0 8.77S–.08 108.59E–.04 40–13 4.0b,3.6s **¶601721507**
DJA IX 16 21 44 06.4–1.1 9S–3.0 109E–3.0 30–14 4.9b,4.5b
IDC IX 16 21 44 09.1–2.2 8.69S 108.66E 49–25 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=4.6km az=18.3.
IDC Error ellipse: s-maj=45.3km s-min=15.1km az=50.0.
DJA IX 16 21 47 01.3–.80 9S–5.0 109E–3.0 12–8 4.1,4.1
¶602030090
DJA IX 16 21 48 16.9–1.2 9S–11 108E–5.0 15–11 4.0,4.0
¶602030091
ISC IX 18 16 35 04.6–1.2 7.49S–.07 105.91E–.06 58–10 4.4b,3.4s 98 1-149
IDC IX 18 16 34 57.4–.54 7.34S 105.81E 0 5.2L,4.3 **¶601723827**
BJI IX 18 16 34 58.1 7.86S 106.03E 41 4.9b,4.6b
NEIC IX 18 16 35 03.2–.96 7.33S 105.85E 42–8 4.7b,4.6b
DJA IX 18 16 35 03.5–.70 8S–3.0 106E–3.0 19–5 5.2b,4.6
ISCJB IX 18 16 35 04.2–.68 7.46S–.06 105.95E–.05 74–4 4.3b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 22 02 48 22.7–1.1 8S–9.0 107E–4.0 17–7 3.9,3.9
¶602030778
ISC IX 26 01 15 23.6–1.4 8.8S–.10 112.42E–.06 100 3.4b 13 1-62
IDC IX 26 01 15 10.7–2.7 7.48S 113.28E 0 4.3s,4.3 **¶601864179**
ISCJB IX 26 01 15 22.9–.79 8.89S–.09 112.43E–.06 100 3.2b,4.3
DJA IX 26 01 15 24.5–.50 9S–9.0 112E–3.0 113–8 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke.
DJA IX 26 07 10 51.1–.60 6S–15 106E–8.0 151–8 3.5,3.5
¶602031112
ISC IX 26 14 24 08.6–1.3 7.9S–.20 112.82E–.09 154 3.2b 9 1-36
IDC IX 26 14 23 55.6–10 8.01S 113.27E 0 3.6,3.4 **¶601864210**
ISCJB IX 26 14 24 08.4–.86 8.1S–.20 112.85E–.09 154 3.2b,3.4
DJA IX 26 14 24 11.7–2.1 8S–10 113E–5.0 119–26 2.5,2.5
ISC Event type ke.
ISCJB Event type ke.
DJA IX 27 16 55 46.8–1.5 8S–10 108E–4.0 11–8 3.9,3.9
¶602031173
ISC X 01 17 54 49.3–.50 6.13S–.06 106.17E–.04 177–4 4.2b 237 0-152
ISCJB X 01 17 54 48.0–.24 6.18S–.04 106.10E–.03 182–2 4.3b **¶601775521**
DJA X 01 17 54 48.5–.20 6S–3.0 106E–2.0 174–2 5.0b,4.8
NEIC X 01 17 54 49.5–.70 5.96S 106.21E 175–6 4.5b,4.8
IDC X 01 17 54 50.1–.73 5.95S 106.26E 178–6 4.5,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.8km az=30.5.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.8km az=46.0.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=45.0.
ISC X 03 01 19 02.9–.96 7.4S–.20 109.08E–.06 202–7 26 0-39
ISCJB X 03 01 19 01.7–.64 7.5S–.20 109.06E–.06 205–5 3.6b **¶601996871**
DJA X 03 01 19 02.2–.70 8S–11 109E–3.0 200–5 3.5,3.5
IDC X 03 01 19 02.0–1.8 6.97S 108.93E 230–27 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.6km s-min=6.0km az=13.0.
IDC Error ellipse: s-maj=85.9km s-min=40.5km az=33.0.
DJA X 05 16 12 48.8–1.1 8S–5.0 107E–4.0 23–12 3.6,3.6
¶601997172
DJA X 05 23 16 06.9–.90 8S–5.0 107E–3.0 33–9 4.1,4.1
¶601997211
DJA X 09 23 15 57.0–.90 9S–9.0 112E–4.0 66–12 3.6,3.6
¶601997698
DJA X 10 17 37 34.2–1.1 8S–5.0 107E–6.0 10 3.5,3.5
¶601997791
DJA X 11 18 52 51.8–1.3 7S–5.0 106E–3.0 31–16 3.8,3.8
¶601997918
DJA X 11 21 25 12.0–.40 8S–5.0 109E–3.0 46–7 3.5,3.5
¶601997930
DJA X 14 00 14 24.5–.60 8S–4.0 107E–2.0 30–5 4.2,4.2
¶601998165
DJA X 15 13 34 23.8–1.3 8S–5.0 107E–4.0 19–9 4.1,4.1
¶601998337
ISC X 18 19 47 38.7–1.6 8.10S–.06 107.09E–.04 9–10 4.1b 45 1-151
IDC X 18 19 47 37.1–.76 7.99S 106.96E 0 4.4L,4.0 **¶601839071**
DJA X 18 19 47 44.6–.40 8S–4.0 107E–2.0 10 5.8b,5.3
ISC Event type ke.
ISC X 21 02 41 14.5–.93 8.12S–.08 108.21E–.05 70–7 4.2b 231 0-153
ISCJB X 21 02 41 15.2–.54 7.96S–.07 108.29E–.04 90–4 4.1b **¶601866981**
DJA X 21 02 41 15.0–.60 8S–5.0 108E–2.0 22–4 5.1b,4.7
NEIC X 21 02 41 16.2–.57 7.88S 108.31E 79–4 4.3b,4.7
IDC X 21 02 41 18.8–.88 7.82S 108.37E 107–7 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=4.5km az=23.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.9km az=212.0.
IDC Error ellipse: s-maj=24.6km s-min=10.2km az=50.0.
ISC X 22 09 18 39.3–1.2 7.0S–.10 105.46E–.09 56 3.2b 11 0-145
IDC X 22 09 18 31.1–3.0 7.11S 105.25E 0 3.9L,3.7 **¶601999258**
DJA X 22 09 18 34.8–1.5 7S–10 106E–10 10 3.8,3.8
ISC Event type ke.
ISC X 24 08 45 51.3–1.1 8.0S–.20 108.57E–.09 83 3.4b 12 0-59

IDC X 24 08 45 44.3–2.4 7.53S 109.08E 0 3.6,3.5 ¶601999467
DJA X 24 08 45 48.4–1.1 8S–8.0 109E–4.0 29–6 4.0,4.0
ISCJB X 24 08 45 49.0–.68 7.9S–.20 108.58E–.08 83 3.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 27 18 35 22.4–.71 8.38S–.07 112.95E–.04 147–6 3.8b 41 1-87
ISCJB X 27 18 35 22.1–.36 8.34S–.06 112.93E–.03 150–3 3.7b ¶601999849
IDC X 27 18 35 23.5–2.3 8.05S 113.01E 149–23 3.9,3.6
DJA X 27 18 35 24.2–.40 9S–4.0 113E–2.0 123–5 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA X 28 17 26 55.9–1.7 8S–10 107E–5.0 21–12 3.5,3.5
¶602000113
ISC XI 01 14 12 01.9–.22 6.75S–.03 107.48E–.03 149–1 5.5b 1675 0-179
BJI XI 01 14 12 00.0 6.80S 107.50E 140 5.4b,5.4b ¶601867660
MOS XI 01 14 12 00.9–1.1 6.54S 107.63E 146 5.4b,4.6s
GCMT XI 01 14 12 01.8–.10 7.06S–.01 107.59E–.01 147–0 5.7W,4.6s
IDC XI 01 14 12 01.8–.20 6.68S 107.60E 143–1 5.6,5.2
NEIC XI 01 14 12 01.8–.42 6.76S 107.53E 142–3 5.9,5.8b
DJA XI 01 14 12 01.6–.10 7S–2.0 107E–1.0 142–1 6.8,6.2b
ISCJB XI 01 14 12 01.0–.21 6.76S–.02 107.52E–.02 153–1 5.4b,6.2b
NEIC XI 01 14 12 01.0–.00 7.02S 107.50E 140 5.4b,6.2b
KLM XI 01 14 12 02.0 7.09S 107.26E 149 5.9b,6.2b
ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=123.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c259; s131,c320; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$-0.65±.05; $M_{\phi\phi}$-0.91±.05; $M_{r\theta}$-4.12±.03; $M_{\theta\phi}$-0.02±.05; $M_{\phi r}$-1.22±.04; Best double couple: NP1:ϕ_s253.00000° ,δ83.00000°,λ91.00000°. NP2:ϕ_s64.00000°,δ7.00000°,λ81.00000°. Principal axes: T 4.8800,Plg52.0000°,Azm164.0000°; N -0.8810,Plg1.0000°,Azm73.0000° ; P -4.0030,Plg38.0000°,Azm342.0000° M_o4.44200×10^{17}
IDC Error ellipse: s-maj=6.6km s-min=5.3km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.3km az=48.0. Felt [IV] at Cianjur, [III] at Bandung and [II] at Jakarta and Palmerah. Felt throughout western Java. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}1.80 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-1.08 $M_{r\theta}$-4.09 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s257.00000°,δ81.00000°,λ92.00000°. NP2:ϕ_s61.00000°,δ9.00000°,λ75.00000°. Principal axes: T 4.8900,Plg54.0000° ,Azm169.0000°; N -1.0200,Plg2.0000°,Azm76.0000°; P -3.8700,Plg36.0000°,Azm345.0000° M_o4.50000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ1.00000°,λ90.00000°. NP2:ϕ_s255.00000°,δ89.00000°,λ90.00000°. Principal axes: T Plg46.0000°,Azm165.0000°; N Plg0.0000°,Azm0.0000°; P Plg44.0000° ,Azm345.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=36.1.
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-0.59 $M_{r\theta}$-3.92 $M_{\theta\phi}$-0.45 $M_{\phi r}$-1.20 Best double couple: NP1:ϕ_s252.00000° ,δ81.00000°,λ93.00000°. NP2:ϕ_s52.00000°,δ10.00000°,λ70.00000°. Principal axes: T 4.5200,Plg54.0000°,Azm166.0000°; N -0.3600,Plg3.0000°,Azm71.0000° ; P -4.1600,Plg35.0000°,Azm338.0000° M_o4.40000×10^{17}
DJA XI 02 17 31 57.9–1.3 8S–9.0 108E–4.0 24–8 3.9b,3.7
¶606792841
ISC XI 03 21 26 43.0–.77 8.57S–.07 112.73E–.04 133–6 3.9b 48 1-144
ISCJB XI 03 21 26 42.3–.41 8.51S–.06 112.74E–.03 142–3 3.8b ¶602388782
DJA XI 03 21 26 44.0–.40 9S–4.0 113E–1.0 115–5 3.9,3.9
IDC XI 03 21 26 46.1–6.3 8.37S 112.87E 157–59 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.7km az=15.5.
IDC Error ellipse: s-maj=38.8km s-min=12.3km az=62.0.
DJA XI 06 12 54 18.6–1.1 8S–5.0 107E–3.0 16–8 3.6,3.6
¶606792907
DJA XI 07 12 54 22.0–1.2 8S–10 107E–4.0 27–10 3.6,3.6
¶606792921
ISC XI 10 06 05 27.6–.57 7.51S–.04 106.67E–.03 60–4 5.1b,4.1s 1167 1-177
BJI XI 10 06 05 25.0 7.50S 106.70E 51 5.1b,5.1b ¶601883263
DJA XI 10 06 05 25.1–.50 8S–3.0 106E–2.0 21–5 5.6,5.5b
MOS XI 10 06 05 27.9–.99 6.85S 106.59E 52 5.3b,5.5b
ISCJB XI 10 06 05 27.5–.33 7.37S–.03 106.74E–.02 73–2 5.0b,5.5b
KLM XI 10 06 05 27.0 7.87S 106.55E 48 5.0b,5.5b
NEIC XI 10 06 05 27.2–.64 7.37S 106.67E 50–5 5.1b,5.5b
GCMT XI 10 06 05 28.2–.30 7.94S–.02 106.68E–.02 48–1 5.0W,5.5b
IDC XI 10 06 05 29.9–.86 7.36S 106.72E 78–6 5.0,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.6km az=33.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=223.0. Felt [II] at Bandung and Cianjur. Also felt at Batujajar, Caringin, Cimenyan, Parongpong and Parung.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c71; s59,c77;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.20 $M_{\theta\theta}$-4.59±.14; $M_{\phi\phi}$1.56±.19; $M_{r\theta}$1.85±.12; $M_{\theta\phi}$0.08±.13; $M_{\phi r}$0.10±.15; Best double couple: NP1:ϕ_s88.00000°,δ58.00000°,λ86.00000°. NP2:ϕ_s275.00000°,δ32.00000°,λ96.00000°. Principal axes: T 3.4720,Plg77.0000° ,Azm345.0000°; N 1.5540,Plg3.0000°,Azm90.0000°; P -5.0150,Plg13.0000°,Azm181.0000° M_o4.24400×10^{16}
IDC Error ellipse: s-maj=10.4km s-min=8.0km az=51.0.
ISC XI 10 10 11 55.5–.92 7.7S–.10 106.49E–.06 35 3.9b 26 1-144
ISCJB XI 10 10 11 54.8–.80 7.88S–.08 106.49E–.04 35 3.8b ¶606792956
DJA XI 10 10 11 56.0–1.2 8S–9.0 107E–4.0 23–9 5.2b,4.6
IDC XI 10 10 12 04.2–4.1 6.04S 108.28E 76–49 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.7km az=15.1.
IDC Error ellipse: s-maj=68.1km s-min=18.6km az=47.0.
DJA XI 14 06 26 35.6–.80 8S–6.0 107E–4.0 23–7 3.6,3.6
¶606793016
DJA XI 14 14 32 37.0–.60 8S–5.0 108E–3.0 30–5 3.8b,3.8
¶606793010
ISC XI 21 18 59 56.9–1.8 8.4S–.10 107.82E–.06 49–16 25 1-59
ISCJB XI 21 18 59 56.9–1.2 8.3S–.10 107.86E–.07 64–12 ¶602389800
DJA XI 21 18 59 56.0–.90 8S–4.0 108E–3.0 10–4 4.0,4.0
IDC XI 21 19 00 02.0–2.1 7.83S 108.29E 81–17 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=6.7km az=25.7.
IDC Error ellipse: s-maj=77.1km s-min=18.6km az=50.0.
ISC XI 24 00 34 52.6–.72 6.5S–.10 107.82E–.07 300 3.7b 32 0-76
ISCJB XI 24 00 34 50.5–.39 6.6S–.10 107.84E–.07 300 3.6b ¶602389915
IDC XI 24 00 34 51.9–.53 6.13S 108.04E 276–7 4.1,3.6
DJA XI 24 00 34 52.1–.60 7S–15 108E–6.0 285–8 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
DJA XI 25 22 59 10.8–.60 8S–3.0 108E–2.0 17–3 3.9,3.9
¶605477309
DJA XI 26 17 36 53.6–.60 8S–8.0 107E–4.0 41–18 3.9,3.9
¶605477323
DJA XI 27 21 23 51.0–1.2 9S–14 113E–7.0 10 3.7,3.7
¶606793156
DJA XI 28 03 22 14.8–2.1 6S–5.0 107E–5.0 12–18 3.5,3.5
¶606793193
DJA XI 28 12 56 37.4–1.5 8S–5.0 114E–8.0 10 2.3,2.3
¶606793189
ISC XII 02 03 35 56.8–1.9 7.48S–.08 105.97E–.05 18–10 3.7b 23 1-145
IDC XII 02 03 35 54.1–1.4 7.19S 105.77E 0 3.7,3.6 ¶602390323
DJA XII 02 03 36 01.9–.80 7S–5.0 106E–3.0 27–5 4.0,4.0
ISC Event type ke.
IDC XII 02 21 54 23.2–2.9 8.64S 112.24E 0 3.5,3.3
¶602390374
IDC Error ellipse: s-maj=162.3km s-min=26.1km az=48.0.
DJA XII 06 22 00 30.8–.90 7S–5.0 105E–4.0 12–5 3.5,3.5
¶606793329
DJA XII 07 11 04 04.3–.90 9S–4.0 111E–2.0 17–5 3.5,3.5
¶606793346
DJA XII 07 11 45 44.0–1.4 8S–8.0 108E–5.0 12–6 2.7,2.7
¶606793345
DJA XII 07 12 30 53.8–.90 9S–12 111E–4.0 72–12 3.3,3.3
¶606793344
ISC XII 07 23 52 52.8–1.2 8.0S–.10 107.86E–.05 63–8 3.6b 26 0-144
IDC XII 07 23 52 44.5–1.1 7.80S 107.75E 0 3.8s,3.8 ¶602030336
ISCJB XII 07 23 52 52.5–.76 7.9S–.10 107.90E–.06 77–5 3.5b,3.8
DJA XII 07 23 52 52.0–.80 8S–5.0 108E–2.0 20–4 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA XII 08 15 20 55.7–.20 8S–3.0 113E–2.0 10 3.6,3.6
¶606793359
DJA XII 09 09 16 22.6–1.3 8S–7.0 107E–6.0 23–8 3.7,3.7
¶606793376
DJA XII 10 05 08 29.1–.50 8S–5.0 114E–4.0 10 2.7,2.7
¶606793392
ISC XII 14 16 16 26.9–.67 7.69S–.06 105.84E–.05 74–5 4.8b 178 1-145
BJI XII 14 16 16 20.5 7.80S 105.80E 32 5.0b,4.8b ¶602043556
NEIC XII 14 16 16 22.4–.25 7.64S 105.93E 35 4.7b,4.8b
ISCJB XII 14 16 16 24.4–.66 7.76S–.05 105.81E–.04 68–5 4.6b,4.8b
DJA XII 14 16 16 25.6–.40 8S–3.0 106E–2.0 44–5 5.4b,5.0
MOS XII 14 16 16 27.8–1.3 7.41S 106.13E 88 4.9b,5.0
IDC XII 14 16 16 27.6–.76 7.55S 105.97E 76–6 4.5,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.4km az=34.7.
MOS Error ellipse: s-maj=12.2km s-min=6.8km az=115.6.
IDC Error ellipse: s-maj=14.8km s-min=11.8km az=45.0.
ISC XII 15 08 45 48.5–.55 7.13S–.08 107.23E–.07 150 4.0b 65 0-143
ISCJB XII 15 08 45 47.5–.32 7.13S–.06 107.25E–.04 150 4.0b ¶602043693
NEIC XII 15 08 45 47.6–.61 7.14S 107.13E 143–7 4.3b
IDC XII 15 08 45 49.2–.85 6.98S 107.31E 151–3 4.1,3.8
DJA XII 15 08 45 49.9–.30 7S–6.0 107E–3.0 123–3 5.4b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA XII 19 01 31 57.5–.30 8S–3.0 111E–2.0 10 3.6,3.6
¶605478588
DJA XII 21 00 50 42.4–.70 9S–8.0 109E–4.0 59–13 3.5,3.5
¶606793531
ISC XII 22 16 46 33.4–.94 7.81S–.07 105.53E–.07 10 4.4b 24 1-145
ISCJB XII 22 16 46 31.2–.84 7.83S–.09 105.30E–.07 10 4.3b ¶602391877
IDC XII 22 16 46 32.7–2.8 7.41S 105.81E 0 4.3,4.3
DJA XII 22 16 46 40.7–1.0 8S–3.0 106E–7.0 10–12 5.4b,5.2b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 23 05 39 54.2–1.0 8.14S–.05 107.29E–.04 51–11 52 1-146
IDC XII 23 05 39 47.1–1.1 8.32S 106.89E 0 4.0,3.8b ¶602391896
ISCJB XII 23 05 39 54.1–.54 8.11S–.05 107.30E–.03 71–6 4.4b,3.8b
NEIC XII 23 05 39 54.5–.50 8.04S 107.27E 57–5 4.1b,3.8b
DJA XII 23 05 39 54.2–.70 8S–3.0 107E–2.0 12–4 4.8b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 26 13 33 08.4–1.8 8.7S–.10 108.65E–.06 54–17 3.7b 20 1-60
DJA XII 26 13 33 06.8–.70 9S–4.0 109E–3.0 10–5 4.0,4.0 ¶602380642
ISCJB XII 26 13 33 07.8–1.1 8.6S–.10 108.65E–.06 69–12 3.5b,4.0
IDC XII 26 13 33 11.4–2.7 8.48S 108.73E 81–26 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=6.9km az=18.1.
IDC Error ellipse: s-maj=83.8km s-min=17.4km az=53.0.
ISC XII 26 16 12 41.7–.80 8.07S–.04 107.44E–.04 54–7 4.6b,3.3s 348 1-154
ISCJB XII 26 16 12 41.3–.44 8.07S–.04 107.50E–.03 67–3 4.5b,3.3s ¶602058918
IDC XII 26 16 12 41.2–3.5 7.72S 107.60E 38–28 4.8L,4.4
NEIC XII 26 16 12 41.3–.62 7.89S 107.44E 48–5 4.6b,4.4
DJA XII 26 16 12 41.5–.40 8S–3.0 108E–2.0 17–3 5.2b,4.8b
KLM XII 26 16 12 45.0 8.13S 107.58E 39 4.7b,4.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=24.5.
IDC Error ellipse: s-maj=23.2km s-min=13.0km az=51.0.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.4km az=214.0. Felt [III] at Pangandaran and [II] at Bandung.
ISC XII 27 07 27 54.1–.71 7.1S–.10 110.05E–.06 258–7 3.7b 26 0-116
ISCJB XII 27 07 27 53.1–.49 7.0S–.10 110.05E–.06 262–5 3.4b ¶602380698
DJA XII 27 07 27 54.5–.80 8S–14 110E–4.0 259–6 3.2,3.2
IDC XII 27 07 27 55.1–1.7 6.88S 110.07E 267–21 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=8.1km az=14.4.
IDC Error ellipse: s-maj=41.4km s-min=13.3km az=47.0.
ISC XII 30 07 56 51.9–.52 7.15S–.04 105.15E–.04 52–4 4.9b,3.9s 525 1-153
BJI XII 30 07 56 50.0 7.10S 105.20E 35 5.2b,4.8s ¶602064921
MOS XII 30 07 56 51.8–1.2 6.87S 105.33E 60 5.1b,4.8s
KLM XII 30 07 56 51.0 7.30S 105.07E 46 4.9b,4.8s
DJA XII 30 07 56 52.9–.40 7S–4.0 105E–3.0 47–4 5.2b,5.0b
IDC XII 30 07 56 52.6–.69 6.78S 105.40E 50–5 4.7,4.5
NEIC XII 30 07 56 52.1–.49 6.96S 105.28E 48–4 5.0b,4.5
ISCJB XII 30 07 56 52.2–.53 7.00S–.04 105.26E–.03 67–4 4.8b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA XII 30 12 36 09.3–.70 8S–4.0 107E–3.0 26–5 3.9,3.9
¶606793650
DJA XII 31 05 30 54.6–.90 9S–5.0 109E–4.0 10–7 3.5,3.5
¶606793666

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ISC VIII 28 00 39 59.6–1.1 7.0S–.20 117.1E–.30 611 3.2b 10 7-74
IDC VIII 28 00 39 58.9–3.8 7.05S 117.00E 602–50 3.6,2.8 ¶601755488
ISC Event type ke.
IDC Error ellipse: s-maj=83.8km s-min=16.2km az=66.0.
ISC VIII 29 20 59 59.2–.66 7.93S–.07 117.58E–.07 250 3.8b 28 1-86
ISCJB VIII 29 20 59 59.6–.57 7.84S–.09 117.60E–.05 250 3.7b ¶601755581
IDC VIII 29 20 59 59.7–3.2 7.86S 117.48E 264–35 4.0,3.5
DJA VIII 29 21 00 00.4–.40 8S–5.0 118E–3.0 260–4 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 05 00 57.0–.96 7.8S–.10 115.89E–.06 150 3.7b 15 1-62
ISCJB VIII 31 05 00 55.9–.84 7.61S–.09 115.89E–.06 150 3.7b ¶601755650
DJA VIII 31 05 01 00.5–.70 8S–21 116E–4.0 157–7 3.4,3.4
IDC VIII 31 05 01 00.8–9.2 8.32S 115.74E 226–97 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.7km az=9.7.
IDC Error ellipse: s-maj=100.4km s-min=27.9km az=54.0.
ISC IX 03 10 49 26.5–.53 7.76S–.07 117.86E–.05 200 4.0b 44 1-146
ISCJB IX 03 10 49 27.4–.52 7.69S–.07 117.91E–.04 200 3.9b ¶601862861
IDC IX 03 10 49 29.4–2.7 7.80S 117.81E 240–27 4.3,3.7
DJA IX 03 10 49 29.4–.30 8S–4.0 118E–2.0 215–4 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 14 17 59 13.0–.54 7.93S–.05 117.39E–.05 10 4.8b 53 1-73
ISCJB IX 14 17 59 11.4–.31 7.77S–.04 117.41E–.03 10 4.5b ¶601851684
IDC IX 14 17 59 11.1–.96 7.89S 117.26E 0 3.9,3.9
DJA IX 14 17 59 14.1–.60 8S–3.0 117E–1.0 11–5 4.2,4.2
NEIC IX 14 17 59 15.8–.39 8.00S 117.26E 35 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.2km az=28.6.
IDC Error ellipse: s-maj=48.3km s-min=15.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.4km az=212.0.
ISC IX 14 18 09 06.4–.83 7.99S–.05 117.42E–.04 35 3.6b 25 1-63
IDC IX 14 18 09 02.6–1.6 8.08S 117.46E 0 3.7,3.6 ¶601863542
ISCJB IX 14 18 09 03.6–.45 7.88S–.05 117.43E–.04 33 3.7b,3.3s
DJA IX 14 18 09 04.5–.70 8S–3.0 117E–2.0 33–12 4.0,4.0

ISC Event type ke.
ISCJB Event type ke.
ISC X 11 12 21 52.9–2.0 7.29S–.04 115.90E–.03 11–13 4.3b,3.4s 96 1-122
IDC X 11 12 21 52.1–.78 7.13S 115.98E 0 4.3,4.2 **¶601826727**
NEIC X 11 12 21 52.3–.26 7.23S 115.88E 10 4.4b,4.2
DJA X 11 12 21 55.1–.20 7S–2.0 116E–1.0 10 5.1b,4.6b
ISC Event type se.
NEIC Event type se.
ISC X 12 12 08 07.0–1.5 7.30S–.10 115.90E–.06 35 3.5b 14 1-62
IDC X 12 12 08 01.4–3.3 8.35S 114.86E 0 3.7,3.5 **¶601997999**
DJA X 12 12 08 05.1–.80 7S–4.0 116E–3.0 30–9 3.5,3.5
ISCJB X 12 12 08 06.1–.84 7.29S–.07 115.91E–.05 33 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 25 08 05 14.7–.45 7.87S–.06 117.71E–.05 250 4.2b 77 1-117
ISCJB X 25 08 05 13.7–.24 7.73S–.04 117.73E–.03 250 4.1b **¶601852884**
IDC X 25 08 05 13.9–2.0 7.85S 117.56E 244–21 4.4,3.9
NEIC X 25 08 05 15.5–.39 7.84S 117.69E 261–4 4.3b,3.9
DJA X 25 08 05 16.5–.50 8S–5.0 118E–2.0 253–5 4.5b,4.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 05 03 37 25.9–.89 7.8S–.10 117.36E–.08 300 2.7b 16 1-63
IDC XII 05 03 36 52.4–2.4 8.10S 115.63E 0 3.4,3.3 **¶602390484**
ISCJB XII 05 03 37 24.9–.60 7.7S–.10 117.31E–.07 300 2.9b,3.3
DJA XII 05 03 37 26.6–.60 8S–10 117E–3.0 289–7 5.0b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 08 00 12.9–.70 8.00S–.09 116.42E–.06 288–7 3.7b 36 1-145
ISCJB XII 08 08 00 12.5–.41 7.96S–.10 116.41E–.05 291–5 3.5b **¶602030351**
DJA XII 08 08 00 14.2–.40 8S–5.0 116E–2.0 278–4 4.8b,4.6b
IDC XII 08 08 00 14.8–3.8 7.70S 116.49E 302–36 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=6.2km az=14.6.
IDC Error ellipse: s-maj=60.9km s-min=13.4km az=58.0.
ISC XII 23 05 52 14.5–.53 7.80S–.04 117.25E–.04 300–5 4.6b 430 1-156
BJI XII 23 05 52 12.8 7.80S 117.20E 292 4.8b,4.8b **¶602056608**
ISCJB XII 23 05 52 14.0–.22 7.85S–.03 117.22E–.02 310–2 4.5b,4.8b
KLM XII 23 05 52 13.0 8.17S 117.44E 305 4.8b,4.8b
NEIC XII 23 05 52 14.5–.39 7.79S 117.23E 300–4 4.5b,4.8b
DJA XII 23 05 52 14.8–.10 8S–2.0 117E–1.0 295–2 5.2b,5.0
IDC XII 23 05 52 15.4–1.0 7.75S 117.27E 306–9 4.8,4.3
MOS XII 23 05 52 15.0–.94 7.70S 117.24E 319 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=8.5.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=222.0.
IDC Error ellipse: s-maj=12.5km s-min=7.1km az=63.0.
MOS Error ellipse: s-maj=12.7km s-min=6.4km az=120.5.

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IDC VII 04 18 29 37.8–7.9 6.80S 120.96E 502–26 3.4,2.7
¶601663485
IDC Error ellipse: s-maj=236.9km s-min=101.5km az=52.0.
IDC VII 12 19 57 12.3–1.4 7.66S 122.86E 265–13 4.0,3.5
¶601664499
IDC Error ellipse: s-maj=36.7km s-min=17.4km az=68.0.
IDC VII 13 05 04 08.2–7.7 7.42S 120.21E 320–92 3.6,3.0
¶601664516
IDC Error ellipse: s-maj=119.9km s-min=33.0km az=53.0.
IDC VII 15 05 17 31.8–8.1 7.52S 119.57E 266–94 3.7,3.1
¶601664605
IDC Error ellipse: s-maj=142.8km s-min=32.5km az=51.0.
IDC VII 25 11 43 52.2–15 7.91S 119.17E 0 3.9,3.7
¶601666420
IDC Error ellipse: s-maj=269.0km s-min=169.2km az=4.0.
ISC VII 30 05 20 34.6–1.1 7.9S–.10 119.32E–.06 300 3.4b 17 2-68
ISCJB VII 30 05 20 33.8–.73 7.9S–.10 119.29E–.05 300 3.3b **¶601650760**
IDC VII 30 05 20 36.0–5.8 7.36S 119.69E 293–53 3.7,3.1
DJA VII 30 05 20 36.5–.60 8S–10 119E–3.0 263–6 5.1b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 02 13 00 10.3–.95 7.78S–.05 120.64E–.05 35 17 1-69
IDC VIII 02 13 00 05.9–1.5 7.39S 121.18E 0 3.7,3.6 **¶601765348**
DJA VIII 02 13 00 07.8–.40 8S–3.0 121E–3.0 10 3.6,3.6
ISCJB VIII 02 13 00 08.7–.56 7.81S–.06 120.61E–.05 33 3.6s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 02 15 53 58.1–.65 7.89S–.06 122.92E–.05 266–6 4.8b 53 1-65
ISCJB VIII 02 15 53 57.1–.40 7.87S–.05 122.94E–.03 267–4 4.6b **¶601717627**
NEIC VIII 02 15 53 57.9–.56 7.78S 122.96E 259–6 4.6b
IDC VIII 02 15 53 58.9–1.7 8.12S 122.53E 258–11 4.3,4.1b
DJA VIII 02 15 54 00.7–.70 8S–5.0 123E–3.0 225–9 4.7b,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 04 03 29 45.9–1.6 7.7S–.10 118.44E–.07 35 10 1-63
ISCJB VIII 04 03 29 42.8–1.5 7.5S–.10 118.45E–.08 33 3.0b **¶602028185**
DJA VIII 04 03 29 42.9–.60 8S–5.0 118E–3.0 79–12 4.2,4.2
IDC VIII 04 03 30 05.9–2.8 9.01S 120.20E 0 3.6,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=9.6km az=156.8.
IDC Error ellipse: s-maj=255.3km s-min=30.7km az=52.0.
ISC VIII 04 13 13 38.1–.86 7.92S–.06 118.90E–.05 34 4.0b 16 1-73
ISCJB VIII 04 13 13 37.1–.57 7.79S–.06 118.89E–.05 34 3.9b **¶601765453**
DJA VIII 04 13 13 37.7–1.0 8S–3.0 119E–2.0 29–11 3.8,3.8
IDC VIII 04 13 13 41.4–5.7 8.09S 118.55E 62–59 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=171.9.
IDC Error ellipse: s-maj=57.8km s-min=30.9km az=53.0.
ISC VIII 06 05 53 34.7–1.4 6.9S–.70 121E–1.0 550 3.8b 9 4-68
IDC VIII 06 05 53 33.4–1.7 7.05S 120.66E 529–18 4.0,3.3b **¶601765535**
ISC Event type ke.
IDC Error ellipse: s-maj=120.1km s-min=14.8km az=58.0.
DJA VIII 09 07 13 18.8–3.0 7S–3.0 121E–4.0 33–38 3.7,3.7
¶602028274
IDC VIII 16 00 48 58.9–2.4 7.77S 121.75E 196–26 3.4,3.0
¶601765911
IDC Error ellipse: s-maj=108.8km s-min=26.6km az=59.0.
IDC VIII 17 06 32 00.2–9.6 7.52S 119.23E 244–113 3.3,2.9
¶601765971
IDC Error ellipse: s-maj=150.0km s-min=37.1km az=47.0.
IDC VIII 17 23 16 03.8–3.0 7.44S 120.80E 240–29 3.5,2.9
¶601766020
IDC Error ellipse: s-maj=103.3km s-min=25.1km az=58.0.
ISC VIII 21 15 39 44.9–1.1 7.99S–.07 119.01E–.05 10 12 1-64
ISCJB VIII 21 15 39 43.8–.69 7.95S–.07 119.01E–.04 10 3.2b **¶601766258**
DJA VIII 21 15 39 46.2–.80 8S–4.0 119E–2.0 23–7 3.1,3.1
IDC VIII 21 15 40 00.4–9.6 8.40S 119.57E 100–111 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.7km az=164.8.
IDC Error ellipse: s-maj=208.9km s-min=40.3km az=48.0.
ISC VIII 22 08 20 55.2–.84 7.35S–.10 120.2E–.10 400 3.7b 16 2-73
ISCJB VIII 22 08 20 54.0–.55 7.36S–.10 120.1E–.10 400 3.7b **¶601766291**
DJA VIII 22 08 20 56.7–.80 8S–7.0 120E–5.0 366–8 4.1b,3.6
IDC VIII 22 08 20 56.6–1.8 7.21S 120.43E 417–19 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=8.3km az=137.9.
IDC Error ellipse: s-maj=51.1km s-min=11.3km az=55.0.
ISC VIII 22 18 48 15.4–1.1 7.3S–.10 123.0E–.20 563 8 3-65
ISCJB VIII 22 18 48 14.3–1.0 7.2S–.10 122.9E–.20 563 3.3b **¶601766323**
IDC VIII 22 18 48 15.4–.89 7.32S 122.97E 569–13 3.6,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.7km s-min=13.4km az=173.6.
IDC Error ellipse: s-maj=37.9km s-min=18.6km az=72.0.
ISC VIII 23 17 21 35.6–.39 7.31S–.04 119.42E–.05 410–3 4.6b 343 2-155
BJI VIII 23 17 21 28.1 8.07S 119.92E 416 4.7b,4.6b **¶601614688**
NEIC VIII 23 17 21 35.8–.18 7.25S 119.46E 411 4.9b,4.6b
ISCJB VIII 23 17 21 35.1–.20 7.30S–.02 119.42E–.02 419–2 4.6b,4.6b
MOS VIII 23 17 21 35.1–1.0 7.18S 119.44E 417 4.7b,4.6b
IDC VIII 23 17 21 36.1–.54 7.26S 119.44E 411–5 5.0,4.4
DJA VIII 23 17 21 36.1–.10 7S–2.0 119E–1.0 403–2 5.4,5.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 25 22 11 51.1–2.2 7.04S 120.33E 552–25 3.6,2.9
¶601766466
IDC Error ellipse: s-maj=132.5km s-min=21.1km az=57.0.
ISC IX 03 15 32 20.4–.68 7.48S–.10 121.3E–.10 550 3.8b 31 1-144
DJA IX 03 15 32 20.7–.80 8S–6.0 121E–6.0 579–10 4.3b,4.1b **¶601862873**
IDC IX 03 15 32 22.0–1.2 7.43S 121.43E 582–15 4.3,3.4
ISCJB IX 03 15 32 22.2–.43 7.58S–.08 121.4E–.10 550 3.7b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 06 01 20 29.2–1.1 7.9S–.10 118.17E–.10 200 3.8b 13 1-68
ISCJB IX 06 01 20 27.8–.82 7.87S–.10 118.20E–.08 200 3.7b **¶601863018**
IDC IX 06 01 20 30.6–7.9 7.83S 118.31E 215–82 4.0,3.6
DJA IX 06 01 20 31.5–.70 8S–12 118E–4.0 193–7 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 13 58 55.4–.66 7.76S–.07 119.39E–.05 300 3.5b 37 2-69
ISCJB IX 15 13 58 54.5–.38 7.80S–.06 119.38E–.04 300 3.6b **¶601863586**
IDC IX 15 13 58 55.2–2.8 7.54S 119.51E 275–27 3.9,3.3
DJA IX 15 13 58 57.2–.30 8S–4.0 119E–2.0 262–4 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC IX 16 14 46 12.9–1.2 7.7S–.10 119.42E–.06 250 15 2-63
ISCJB IX 16 14 46 12.0–.93 7.55S–.10 119.44E–.06 250 3.0b **¶601863658**
IDC IX 16 14 46 12.7–4.2 7.64S 119.43E 259–41 3.3,2.8
DJA IX 16 14 46 15.3–.80 8S–19 119E–3.0 254–7 3.0,3.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 17 02 31 43.4–.59 6.24S–.08 121.6E–.10 650 3.7b 36 1-156
ISCJB IX 17 02 31 43.5–.40 6.17S–.06 121.58E–.08 650 3.4b **¶601721510**
IDC IX 17 02 31 43.8–.87 6.17S 121.74E 662–11 3.9,3.0b
DJA IX 17 02 31 46.1–1.2 6S–6.0 122E–7.0 627–15 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 27 12 18 58.1–1.2 7.1S–.20 120.6E–.40 500 3.6b 8 4-68
ISCJB IX 27 12 18 56.8–1.1 7.0S–.30 120.5E–.50 500 3.5b **¶601864278**
IDC IX 27 12 18 57.9–1.8 7.02S 120.65E 496–20 3.8,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=71.3km s-min=11.7km az=147.2.
IDC Error ellipse: s-maj=96.7km s-min=17.5km az=61.0.
IDC IX 30 03 07 39.3–2.4 7.05S 120.55E 545–23 3.2,2.5
¶601857514
IDC Error ellipse: s-maj=192.1km s-min=22.1km az=56.0.
ISC X 03 05 08 00.9–.60 7.87S–.05 119.07E–.05 34 4.2b,3.1s 42 2-155
IDC X 03 05 07 56.3–.77 8.01S 118.84E 0 4.3,4.2 **¶601906638**
ISCJB X 03 05 07 59.7–.36 7.84S–.04 119.08E–.05 34 4.1b,3.1s
DJA X 03 05 08 00.4–.70 8S–3.0 119E–3.0 26–9 4.9b,4.8b
NEIC X 03 05 08 02.8–1.1 7.92S 119.12E 44–11 4.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=16.0km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.8km az=147.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.2km az=220.0.
ISC X 07 00 24 41.9–.69 7.36S–.09 120.31E–.08 556 3.7b 31 2-73
ISCJB X 07 00 24 42.8–.41 7.44S–.07 120.29E–.06 556 3.6b **¶601825827**
IDC X 07 00 24 42.2–1.6 7.24S 120.29E 568–19 4.1,3.2
DJA X 07 00 24 43.6–.50 7S–4.0 120E–3.0 556–5 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 10 02 53 46.8–.60 7.30S–.08 120.2E–.10 587 3.9b 28 2-73
ISCJB X 10 02 53 46.1–.39 7.25S–.07 120.19E–.08 587 3.8b **¶601819781**
DJA X 10 02 53 46.9–.60 7S–5.0 120E–5.0 591–8 4.2b,3.8
IDC X 10 02 53 46.6–1.5 7.20S 120.20E 582–22 4.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.8km az=145.7.
IDC Error ellipse: s-maj=23.6km s-min=10.7km az=64.0.
ISC X 10 02 59 42.1–.72 7.19S–.10 120.3E–.10 576 3.6b 25 2-124
ISCJB X 10 02 59 42.8–.55 7.3S–.10 120.3E–.10 576 3.7b **¶601819782**
IDC X 10 02 59 42.4–1.7 7.10S 120.33E 584–21 4.3,3.5
DJA X 10 02 59 44.4–1.1 7S–7.0 120E–7.0 572–14 4.5b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC X 15 14 55 45.8–.64 7.77S–.07 119.39E–.06 300 3.8b 33 2-73
ISCJB X 15 14 55 44.2–.38 7.77S–.07 119.33E–.06 300 3.7b **¶601834638**
DJA X 15 14 55 45.7–.50 8S–6.0 119E–3.0 265–5 4.7b,4.2b
IDC X 15 14 55 45.0–1.8 7.35S 119.83E 279–17 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.8km az=37.2.
IDC Error ellipse: s-maj=47.0km s-min=10.7km az=54.0.
IDC X 16 02 15 38.3–13 7.37S 118.34E 276–99 3.6,3.1
¶601998423
IDC Error ellipse: s-maj=160.1km s-min=99.4km az=72.0.
ISC X 24 13 47 35.4–1.3 7.95S–.08 121.82E–.07 35 13 1-65
DJA X 24 13 47 32.8–.40 8S–3.0 122E–3.0 10 4.1b,3.9 **¶601999493**
ISCJB X 24 13 47 33.4–.95 7.90S–.07 121.81E–.06 33 3.7b,3.1s
IDC X 24 13 47 46.3–4.8 9.05S 121.48E 89–52 3.3,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=33.8.
IDC Error ellipse: s-maj=59.0km s-min=37.6km az=61.0.
DJA X 25 13 20 56.2–.70 8S–2.0 118E–2.0 19–6 3.9,3.9
¶601999614
DJA X 25 20 16 33.9–1.0 8S–2.0 119E–2.0 19–9 4.6b,3.9b
¶601999646
ISC XI 02 01 22 14.0–.23 7.82S–.03 121.67E–.03 278–1 5.0b 924 1-174
MOS XI 02 01 22 12.7–1.1 7.70S 121.65E 272 5.0b **¶601867843**
ISCJB XI 02 01 22 13.7–.19 7.82S–.02 121.65E–.02 285–2 5.0b
BJI XI 02 01 22 13.0 7.80S 121.60E 273 4.8b,4.8b
NEIC XI 02 01 22 14.0–.09 7.79S 121.64E 275 5.3b,4.8b
IDC XI 02 01 22 14.4–.32 7.79S 121.73E 278–3 5.4,4.8
DJA XI 02 01 22 14.5–.10 8S–2.0 122E–1.0 269–1 6.2,6.0b
GCMT XI 02 01 22 15.0–.10 7.86S–.01 121.68E–.01 283–1 5.6W,6.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c187; s118,c205;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82±.04 $M_{\theta\theta}$2.69±.04; $M_{\phi\phi}$-1.87±.04; $M_{r\theta}$-1.05±.04; $M_{\theta\phi}$1.42±.04; $M_{\phi r}$1.65±.04; Best double couple: NP1:ϕ_s114.00000°,δ73.00000°,λ-33.00000°. NP2:ϕ_s215.00000°,δ59.00000°,λ-160.00000°. Principal axes: T 3.1880,Plg9.0000° ,Azm167.0000°; N 0.3860,Plg54.0000°,Azm270.0000°; P -3.5740,Plg35.0000°,Azm71.0000° M_o3.38100×10^{17}
IDC XI 04 12 03 58.4–1.6 7.12S 121.18E 486–18 3.4,2.6
¶602388802
IDC Error ellipse: s-maj=116.7km s-min=21.8km az=58.0.
IDC XI 06 19 37 15.8–6.9 7.13S 118.06E 315–54 3.3,2.7
¶602388923
IDC Error ellipse: s-maj=151.4km s-min=23.2km az=64.0.
ISC XI 10 23 12 15.3–.98 7.14S–.08 119.60E–.09 450 3.3b 21 1-63
ISCJB XI 10 23 12 14.1–.53 7.13S–.07 119.54E–.08 450 3.3b **¶602389178**
DJA XI 10 23 12 16.5–.90 7S–4.0 120E–5.0 430–9 4.3b,4.1

IDC XI 10 23 12 16.3–3.0 7.25S 119.61E 445–30 3.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=9.4km az=149.3.
IDC Error ellipse: s-maj=113.7km s-min=20.3km az=56.0.
ISC XI 15 00 45 49.3–1.1 8.0S–.10 123.0E–.20 221 15 1-65
IDC XI 15 00 45 44.5–3.9 7.09S 124.04E 169–38 3.7,3.3 **¶602389422**
ISCJB XI 15 00 45 48.3–.87 7.86S–.09 123.0E–.10 221 3.1b,3.3
DJA XI 15 00 45 49.2–.90 8S–10 123E–7.0 232–9 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC XII 17 21 02 35.1–.65 6.11S–.06 120.73E–.06 35 3.7b 33 0-67
IDC XII 17 21 02 29.7–.97 6.27S 120.42E 0 3.8,3.7L **¶602047003**
ISCJB XII 17 21 02 33.6–.44 6.18S–.04 120.65E–.06 33 3.7b,3.5s
NEIC XII 17 21 02 35.8–.86 6.23S 120.67E 46–10 4.0b,3.5s
DJA XII 17 21 02 36.0–.80 6S–3.0 121E–3.0 27–11 5.2b,4.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] on Pulau Selayar, Indonesia.
DJA XII 17 22 12 48.9–.30 6S–3.0 121E–5.0 10 4.3b,3.8
¶606793466
ISC XII 18 08 27 05.5–.29 6.28S–.04 120.74E–.05 35 4.9b,3.8s 204 0-156
IDC XII 18 08 27 00.3–.51 6.19S 120.69E 0 4.5,4.5 **¶602046754**
ISCJB XII 18 08 27 03.8–.17 6.25S–.02 120.72E–.02 33 4.7b,3.9s
MOS XII 18 08 27 03.3–1.3 6.15S 120.75E 33 4.7b,3.9s
BJI XII 18 08 27 04.1 6.34S 121.11E 47 5.0b,4.8b
DJA XII 18 08 27 05.5–.50 6S–2.0 121E–2.0 22–4 5.4b,5.2b
NEIC XII 18 08 27 07.0–.52 6.25S 120.71E 52–5 4.8b,5.2b
KLM XII 18 08 27 07.0 6.28S 120.84E 46 5.0b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=39.7.
MOS Error ellipse: s-maj=11.2km s-min=7.2km az=123.6.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=221.0. Felt [III] on Pulau Selayar, Indonesia.
IDC XII 23 08 00 23.0–7.2 7.05S 121.13E 474–109 3.2,2.5
¶602391911
IDC Error ellipse: s-maj=165.1km s-min=37.4km az=49.0.
ISC XII 27 03 32 33.8–.58 7.51S–.06 120.19E–.07 400 3.9b 39 2-146
IDC XII 27 03 32 31.8–2.5 7.46S 119.87E 371–26 4.3,3.6 **¶602380689**
ISCJB XII 27 03 32 32.5–.34 7.52S–.05 120.19E–.06 400 3.9b,3.6
DJA XII 27 03 32 35.8–.50 8S–3.0 120E–2.0 361–5 4.8b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC XII 27 22 01 08.0–2.3 7.57S 120.92E 230–23 3.3,2.8
¶602380737
IDC Error ellipse: s-maj=138.9km s-min=14.7km az=51.0.
ISC XII 31 06 01 25.3–.48 7.19S–.05 120.20E–.07 595–6 4.5b 90 1-147
ISCJB XII 31 06 01 24.5–.23 7.15S–.04 120.17E–.06 605–2 4.4b **¶602065150**
NEIC XII 31 06 01 25.1–.36 7.00S 120.24E 594–5 4.3b
IDC XII 31 06 01 25.8–1.4 7.02S 120.26E 602–18 4.7,3.8
DJA XII 31 06 01 28.0–.50 7S–3.0 120E–4.0 571–4 3.8,3.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 31 14 07 47.2–2.7 7.27S 119.70E 418–29 3.3,2.6
¶602380493
IDC Error ellipse: s-maj=61.7km s-min=23.2km az=63.0.

(280) Banda Sea.

ISC VII 01 01 43 26.8–.55 7.70S–.06 128.91E–.07 150 4.1b 39 2-128
ISCJB VII 01 01 43 25.8–.35 7.50S–.05 128.90E–.06 150 4.1b **¶601235442**
NEIC VII 01 01 43 26.4–.90 7.47S 128.82E 141–11 4.3b
IDC VII 01 01 43 27.4–4.3 7.57S 128.65E 145–44 4.2,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.6km az=67.0.
IDC Error ellipse: s-maj=37.3km s-min=18.1km az=56.0.
ISC VII 01 04 23 32.5–.40 7.91S–.05 128.68E–.06 100 4.6b 84 3-151
IDC VII 01 04 23 22.0–.62 7.59S 128.63E 0 4.5L,4.4 **¶601218168**
BJI VII 01 04 23 27.8 8.05S 129.15E 90 5.3b,4.7b
ISCJB VII 01 04 23 31.1–.25 7.83S–.03 128.69E–.04 100 4.5b,4.7b
NEIC VII 01 04 23 31.3–.77 7.77S 128.62E 82–8 4.5b,4.7b
DJA VII 01 04 23 44.9–.40 7S–6.0 129E–4.0 180–7 5.2b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 01 22 23 47.8–3.5 6.80S 125.37E 472–47 3.6,2.9
¶601663381
IDC Error ellipse: s-maj=95.3km s-min=22.6km az=53.0.
IDC VII 02 05 06 50.3–16 6.29S 128.82E 182–177 3.7,3.6L
¶601663391
IDC Error ellipse: s-maj=145.4km s-min=52.4km az=44.0.
IDC VII 02 17 26 26.5–3.0 6.06S 130.06E 105–41 3.8,3.5
¶601663404
IDC Error ellipse: s-maj=80.9km s-min=21.5km az=88.0.
IDC VII 03 06 41 35.7–2.0 7.43S 129.92E 0 3.6,3.6b
¶601663425
IDC Error ellipse: s-maj=61.1km s-min=29.1km az=78.0.
ISC VII 03 20 44 05.3–.57 7.32S–.06 126.49E–.09 400 3.7b 25 4-83
ISCJB VII 03 20 44 04.0–.40 7.30S–.05 126.46E–.07 400 3.7b **¶601663444**
IDC VII 03 20 44 05.8–.97 7.35S 126.33E 408–12 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.1km az=10.0.
IDC Error ellipse: s-maj=16.3km s-min=8.9km az=84.0.
IDC VII 03 23 00 22.2–4.8 7.40S 129.89E 170–42 3.7,3.4b
¶601663450
IDC Error ellipse: s-maj=44.0km s-min=20.7km az=55.0.
IDC VII 04 09 39 35.5–9.4 4.14S 127.80E 522–125 3.7,2.8
¶601663470
IDC Error ellipse: s-maj=118.5km s-min=89.4km az=64.0.
IDC VII 04 14 06 35.6–2.1 6.90S 128.82E 0 3.7,3.5
¶601663477
IDC Error ellipse: s-maj=93.7km s-min=27.5km az=75.0.
IDC VII 06 17 15 40.9–2.9 6.54S 129.32E 83–40 3.7,3.6
¶601663547
IDC Error ellipse: s-maj=61.5km s-min=20.8km az=96.0.
IDC VII 06 21 07 07.2–5.2 5.99S 127.93E 401–77 3.4,2.7b
¶601663559
IDC Error ellipse: s-maj=114.3km s-min=17.4km az=82.0.
IDC VII 06 23 21 14.7–9.0 6.84S 129.56E 132–90 3.9,3.6
¶601663563
IDC Error ellipse: s-maj=91.6km s-min=31.8km az=47.0.
IDC VII 07 05 47 12.0–14 7.46S 126.36E 100–157 3.3,3.1
¶601663575
IDC Error ellipse: s-maj=158.1km s-min=56.7km az=42.0.
ISC VII 07 15 34 02.3–.52 7.25S–.06 124.83E–.07 500 3.7b 40 3-124
ISCJB VII 07 15 34 01.8–.33 7.13S–.04 124.82E–.05 500 3.6b **¶601244000**
IDC VII 07 15 34 02.7–.67 7.21S 124.83E 504–9 4.2,3.4
DJA VII 07 15 34 05.7–1.1 7S–7.0 124E–12 513–10 4.4,4.3b
ISC Event type ke.
ISCJB Event type ke.
DJA VII 07 16 17 14.1–.30 6S–2.0 130E–3.0 151–6 4.9b,4.4
¶602027499
ISC VII 07 17 05 39.9–.95 4.34S–.06 129.04E–.06 200 19 1-65
ISCJB VII 07 17 05 40.7–.57 4.29S–.05 129.11E–.07 200 3.1b **¶601663601**
IDC VII 07 17 05 41.2–6.6 4.34S 129.14E 174–84 3.4,3.0b
DJA VII 07 17 05 44.3–.50 4S–4.0 129E–3.0 145–5 4.9b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 07 22 08 34.0–.71 5.92S–.06 128.94E–.08 264 3.5b 23 2-71
ISCJB VII 07 22 08 34.6–.49 5.93S–.04 128.93E–.07 264 3.5b **¶601266107**
DJA VII 07 22 08 35.6–.50 6S–3.0 129E–5.0 264–7 4.9b,4.7b
IDC VII 07 22 08 35.2–1.5 5.83S 128.88E 287–17 4.7,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.6km az=4.1.
IDC Error ellipse: s-maj=22.3km s-min=9.9km az=74.0.
ISC VII 08 02 57 02.1–.73 7.72S–.10 127.6E–.10 162 3.7b 16 5-152
ISCJB VII 08 02 56 60.0–.61 7.80S–.06 127.68E–.08 162 3.7b **¶601664268**
IDC VII 08 02 57 02.4–2.0 7.61S 127.46E 164–17 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.2km az=3.6.
IDC Error ellipse: s-maj=21.2km s-min=13.5km az=80.0.
ISC VII 08 02 57 49.2–.96 7.22S–.07 129.7E–.10 139 3.7b 11 7-73
ISCJB VII 08 02 57 48.7–.74 7.06S–.06 129.55E–.08 139 3.6b **¶601664269**
IDC VII 08 02 57 50.3–2.2 7.05S 129.49E 137–22 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=8.4km az=178.7.
IDC Error ellipse: s-maj=25.7km s-min=19.3km az=112.0.
ISC VII 08 18 33 21.9–.56 5.42S–.05 131.18E–.05 68 4.1b 54 2-130
IDC VII 08 18 33 13.1–.77 5.52S 130.99E 0 4.8L,4.5 **¶601246342**
ISCJB VII 08 18 33 19.1–.38 5.57S–.04 131.24E–.03 68 4.0b,4.5
NEIC VII 08 18 33 19.6–1.6 5.67S 131.22E 55–18 4.6b,4.5
DJA VII 08 18 33 22.2–.30 5S–2.0 131E–2.0 79–12 5.4b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 09 06 25 34.3–2.3 6.38S 129.99E 0 3.8,3.7b
¶601664323
IDC Error ellipse: s-maj=143.1km s-min=32.4km az=69.0.
IDC VII 09 20 44 27.1–4.0 4.64S 126.22E 390–28 4.0,3.2
¶601664351
IDC Error ellipse: s-maj=88.5km s-min=15.2km az=128.0.
ISC VII 09 21 01 33.9–.43 7.71S–.05 127.57E–.06 162 4.2b 67 4-152
ISCJB VII 09 21 01 32.9–.28 7.71S–.03 127.57E–.04 162 4.2b **¶601258347**
NEIC VII 09 21 01 33.3–.70 7.63S 127.57E 158–8 4.4b
DJA VII 09 21 01 34.2–.30 8S–3.0 128E–4.0 177–14 5.0b,4.5
IDC VII 09 21 01 34.9–1.4 7.64S 127.43E 166–12 4.3,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=3.1.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.4km az=48.0.
IDC Error ellipse: s-maj=15.6km s-min=9.6km az=97.0.
IDC VII 10 04 16 25.0–3.1 6.74S 127.17E 415–33 3.7,3.1b
¶601664370
IDC Error ellipse: s-maj=54.6km s-min=12.6km az=65.0.
IDC VII 10 07 52 13.2–8.1 5.53S 128.86E 145–100 3.2,2.9b
¶601664376
IDC Error ellipse: s-maj=160.3km s-min=23.0km az=80.0.
IDC VII 10 12 35 09.3–7.1 7.11S 127.20E 377–75 4.0,3.2
¶601664382
IDC Error ellipse: s-maj=97.7km s-min=92.2km az=164.0.
ISC VII 11 16 59 02.3–.70 6.19S–.07 128.02E–.09 400 3.5b 16 6-71
ISCJB VII 11 16 59 01.4–.53 6.17S–.05 128.01E–.08 400 3.3b **¶601664436**
IDC VII 11 16 59 02.7–1.3 6.19S 127.90E 394–16 3.9,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.0km az=17.7.
IDC Error ellipse: s-maj=24.8km s-min=15.3km az=77.0.
DJA VII 12 11 34 34.9–1.4 6S–15 132E–4.0 17–19 4.0,4.0
¶602027619
IDC VII 12 12 08 53.4–2.3 7.11S 129.84E 127–26 3.8,3.4
¶601664486
IDC Error ellipse: s-maj=38.2km s-min=21.1km az=95.0.
IDC VII 12 22 37 05.7–2.5 6.37S 130.43E 151–34 3.7,3.4
¶601664504
IDC Error ellipse: s-maj=59.7km s-min=20.3km az=88.0.
ISC VII 12 23 54 37.3–.72 7.69S–.06 128.85E–.09 150 4.0b 16 6-119
IDC VII 12 23 54 39.5–1.9 7.59S 128.59E 162–19 4.2,3.8 **¶601664506**
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=18.4km az=112.0.
IDC VII 13 00 14 47.2–2.8 7.05S 129.87E 78–36 3.9,3.7
¶601664508
IDC Error ellipse: s-maj=69.4km s-min=23.2km az=92.0.
ISC VII 13 03 41 09.9–1.1 7.77S–.06 124.82E–.06 10 17 2-66
ISCJB VII 13 03 41 06.4–.80 7.79S–.06 124.90E–.05 10 3.8b **¶601664512**
IDC VII 13 03 41 07.2–1.4 7.73S 124.67E 0 4.2,4.0
DJA VII 13 03 41 12.9–.70 8S–2.0 125E–3.0 16–5 5.0b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC VII 13 11 55 40.1–2.1 7.35S 129.18E 149–25 3.7,3.3
¶601664523
IDC Error ellipse: s-maj=25.7km s-min=19.7km az=113.0.
IDC VII 13 15 10 37.9–2.6 6.49S 130.01E 0 3.3,3.3b
¶601664532
IDC Error ellipse: s-maj=109.5km s-min=30.7km az=77.0.
ISC VII 13 15 33 58.3–.84 6.76S–.06 129.81E–.07 104 17 2-72
ISCJB VII 13 15 33 56.6–.59 6.93S–.06 129.95E–.08 104 3.6b **¶601273324**
IDC VII 13 15 33 58.3–2.2 6.96S 129.97E 115–23 4.2,3.8
DJA VII 13 15 34 00.1–.40 7S–4.0 130E–5.0 153–16 4.7b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC VII 13 17 29 48.4–7.9 6.33S 128.73E 217–83 3.8,3.3
¶601664538
IDC Error ellipse: s-maj=77.5km s-min=21.9km az=44.0.
IDC VII 13 21 28 19.5–3.0 6.23S 129.39E 114–40 3.5,3.2
¶601664545
IDC Error ellipse: s-maj=66.4km s-min=21.2km az=90.0.
IDC VII 14 10 39 44.1–3.2 7.51S 128.57E 109–43 3.5,3.3
¶601664562
IDC Error ellipse: s-maj=71.1km s-min=22.7km az=92.0.
ISC VII 14 20 26 38.1–.92 7.26S–.06 130.0E–.10 100 11 6-68
ISCJB VII 14 20 26 37.7–.96 7.23S–.06 129.81E–.08 100 3.3b **¶601664581**
IDC VII 14 20 26 41.4–2.2 7.17S 129.86E 130–26 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=8.7km az=168.8.
IDC Error ellipse: s-maj=36.9km s-min=20.6km az=95.0.
IDC VII 15 00 36 52.1–4.2 6.36S 128.65E 261–40 4.1,3.6
¶601664597
IDC Error ellipse: s-maj=60.1km s-min=14.9km az=66.0.
ISC VII 15 02 57 19.4–.47 7.33S–.06 123.71E–.07 550 3.5b 48 2-154
ISCJB VII 15 02 57 19.1–.35 7.23S–.05 123.78E–.06 550 3.5b **¶601664602**
DJA VII 15 02 57 19.8–.40 7S–5.0 124E–4.0 579–7 4.5b,4.2
IDC VII 15 02 57 20.2–.69 7.29S 123.81E 559–8 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.6km az=163.2.
IDC Error ellipse: s-maj=16.8km s-min=8.8km az=76.0.
IDC VII 15 19 23 24.6–1.9 6.15S 130.12E 0 3.8L,3.7
¶601664644
IDC Error ellipse: s-maj=90.7km s-min=25.8km az=77.0.
DJA VII 15 21 45 18.1–1.7 4S–7.0 127E–11 205–35 4.8b,4.7b
¶602027685
IDC VII 15 21 47 18.1–2.4 4.54S 128.91E 0 3.8b,3.5
¶606367026
IDC Error ellipse: s-maj=190.3km s-min=29.4km az=68.0.
IDC VII 15 23 09 54.8–1.9 7.13S 125.30E 0 3.8,3.6
¶601664650
IDC Error ellipse: s-maj=217.1km s-min=31.6km az=61.0.
IDC VII 16 13 31 54.9–1.9 7.43S 129.33E 0 3.8b,3.7
¶601664675
IDC Error ellipse: s-maj=184.9km s-min=29.9km az=68.0.
ISC VII 16 20 20 40.7–.60 7.69S–.07 126.00E–.09 10 4.1b 22 3-94
DJA VII 16 20 20 35.2–5.2 8S–16 126E–45 10 4.4b,4.2 **¶601625075**
ISCJB VII 16 20 20 38.4–.44 7.66S–.05 126.08E–.07 10 4.0b,3.9s
IDC VII 16 20 20 39.0–.62 7.77S 125.73E 0 4.2L,4.1

NEIC VII 16 20 20 43.8–.45 7.81S 125.98E 35 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.4km az=12.6.
IDC Error ellipse: s-maj=34.9km s-min=14.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=8.7km az=67.0.
ISC VII 17 16 56 47.3–.34 7.37S–.04 128.72E–.04 193–3 4.7b 342 3-151
BJI VII 17 16 56 41.0 7.72S 129.12E 190 4.8b,4.7b **¶601357573**
MOS VII 17 16 56 45.2–.88 7.21S 128.63E 183 4.8b,4.7b
ISCJB VII 17 16 56 46.4–.28 7.38S–.02 128.70E–.02 201–3 4.5b,4.7b
DJA VII 17 16 56 46.9–.20 7S–2.0 129E–2.0 183–3 5.5,5.3b
IDC VII 17 16 56 47.9–.47 7.27S 128.66E 193–4 4.9,4.4
GCMT VII 17 16 56 47.7–.20 7.42S 128.73E 186–2 5.1W,4.4
NEIC VII 17 16 56 47.6–.15 7.32S 128.67E 196 4.8b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=6.2km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=151.4.
IDC Error ellipse: s-maj=11.8km s-min=6.4km az=75.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s51,c58; s98,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.70±.14 $M_{\theta\theta}$-1.42±.16; $M_{\phi\phi}$-0.28±.16; $M_{r\theta}$4.43±.12; $M_{\theta r}$-3.22±.14; $M_{\phi r}$-0.33±.13; Best double couple: NP1:ϕ_s87.00000°,δ79.00000°,λ124.00000°. NP2:ϕ_s192.00000°,δ35.00000°,λ18.00000°. Principal axes: T 5.6800,Plg45.0000°,Azm31.0000°; N 0.0510,Plg33.0000°,Azm260.0000°; P -5.7380,Plg27.0000°,Azm151.0000° M_o5.70900×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=61.0.
ISC VII 18 00 07 19.0–.75 7.47S–.06 129.12E–.08 131 3.7b 19 4-128
DJA VII 18 00 07 22.6–.80 7S–4.0 129E–5.0 121–60 5.0b,4.5 **¶601664771**
IDC VII 18 00 07 25.3–7.5 7.13S 129.64E 201–88 4.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=199.2km s-min=31.5km az=77.0.
IDC VII 18 17 14 26.6–12 7.37S 124.06E 0 4.0b,3.8
¶601664797
IDC Error ellipse: s-maj=184.4km s-min=110.4km az=125.0.
IDC VII 19 09 51 51.7–1.6 7.52S 123.01E 0 3.8,3.7b
¶601664826
IDC Error ellipse: s-maj=143.6km s-min=25.1km az=62.0.
IDC VII 19 13 38 26.7–1.4 7.22S 127.83E 0 4.1,4.0
¶601664835
IDC Error ellipse: s-maj=152.9km s-min=27.9km az=67.0.
ISC VII 19 19 47 45.9–.45 7.37S–.06 125.92E–.07 35 4.4b,3.1s 60 3-153
IDC VII 19 19 47 40.4–.46 7.40S 125.79E 0 4.4,4.4b **¶601451952**
BJI VII 19 19 47 41.0 7.40S 125.90E 15 4.5b,4.4b
ISCJB VII 19 19 47 44.0–.36 7.32S–.04 125.93E–.05 33 4.3b,3.2s
NEIC VII 19 19 47 45.4–.34 7.50S 125.78E 35 4.6b,3.2s
DJA VII 19 19 47 46.9–.40 7S–2.0 126E–3.0 10 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 20 07 27 40.6–2.3 7.70S 127.66E 0 3.6,3.6b
¶601664864
IDC Error ellipse: s-maj=295.6km s-min=32.2km az=64.0.
IDC VII 20 11 58 58.5–1.7 7.49S 127.11E 0 4.3L,4.2
¶601664870
IDC Error ellipse: s-maj=216.3km s-min=29.3km az=63.0.
IDC VII 20 17 25 29.9–4.4 6.31S 128.44E 360–47 4.0,3.4
¶601664879
IDC Error ellipse: s-maj=72.2km s-min=11.0km az=68.0.
DJA VII 20 18 09 17.4–1.5 7S–9.0 124E–5.0 27–20 3.6,3.6
¶602027827
DJA VII 20 20 17 39.6–1.2 7S–13 124E–6.0 122–25 3.8,3.8
¶602027831
IDC VII 20 21 46 23.3–2.4 6.56S 129.79E 0 3.4,3.4L
¶601664888
IDC Error ellipse: s-maj=145.2km s-min=32.8km az=69.0.
IDC VII 21 08 00 02.2–2.2 6.14S 129.48E 0 3.8,3.8b
¶601664912
IDC Error ellipse: s-maj=150.0km s-min=30.4km az=69.0.
IDC VII 21 08 09 49.4–1.1 5.89S 130.15E 0 4.0,4.0L
¶601664913
IDC Error ellipse: s-maj=80.3km s-min=20.2km az=61.0.
IDC VII 21 10 55 02.4–1.9 7.24S 124.98E 0 3.9,3.7
¶601664916
IDC Error ellipse: s-maj=163.0km s-min=30.5km az=60.0.
ISC VII 21 12 46 31.3–.34 5.36S–.03 129.35E–.03 247–3 4.9b 733 1-161
BJI VII 21 12 46 28.7 5.38S 129.45E 243 5.0b,4.7b **¶601456437**
ISCJB VII 21 12 46 30.0–.20 5.35S–.02 129.35E–.02 246–2 4.9b,4.7b
NEIC VII 21 12 46 30.9–.33 5.39S 129.27E 241–3 5.3b,4.7b
GCMT VII 21 12 46 30.9–.20 5.32S 129.32E 246–1 5.1W,4.7b
IDC VII 21 12 46 30.6–.63 5.41S 129.28E 235–5 5.1,4.5
MOS VII 21 12 46 30.3–1.1 5.34S 129.26E 244 4.9b,4.5
DJA VII 21 12 46 31.0–.20 5S–2.0 129E–1.0 218–3 5.9,5.4b
KLM VII 21 12 46 32.0 5.31S 129.35E 253 5.4b,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=153.2.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=58.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s55,c76; s86,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.13 $M_{\theta\theta}$-4.44±.13; $M_{\phi\phi}$1.23±.16; $M_{r\theta}$-1.07±.12; $M_{\theta\phi}$-1.27±.13; $M_{\phi r}$-3.27±.14; Best double couple: NP1:ϕ_s226.00000°,δ66.00000°,λ54.00000°. NP2:ϕ_s108.00000°,δ43.00000°,λ144.00000°. Principal axes: T 5.6380,Plg54.0000°,Azm91.0000°; N -0.5000,Plg33.0000°,Azm242.0000°; P -5.1380,Plg14.0000°,Azm342.0000° M_o5.38800×10^{16}
IDC Error ellipse: s-maj=9.5km s-min=5.5km az=71.0.
MOS Error ellipse: s-maj=9.1km s-min=5.3km az=111.8.
ISC VII 21 17 21 14.5–.54 7.95S–.04 123.73E–.05 10 5.2b 50 2-70
ISCJB VII 21 17 21 12.9–.35 7.84S–.03 123.84E–.03 10 4.8b **¶601627828**
IDC VII 21 17 21 14.5–1.2 7.73S 124.30E 0 3.8,3.8L
NEIC VII 21 17 21 15.0–.48 7.99S 123.75E 10 4.2b,3.8L
DJA VII 21 17 21 17.2–.50 8S–2.0 124E–3.0 40–15 4.2b,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 22 06 47 55.1–2.1 7.42S 127.03E 0 4.2,4.1L
¶601664950
IDC Error ellipse: s-maj=278.7km s-min=30.9km az=63.0.
DJA VII 22 22 32 32.0–1.0 8S–7.0 124E–4.0 15 3.6,3.6
¶602027880
IDC VII 22 23 34 26.1–2.2 6.45S 129.73E 0 3.8,3.7L
¶601665000
IDC Error ellipse: s-maj=136.8km s-min=30.9km az=69.0.
ISC VII 23 19 52 08.0–.93 5.35S–.07 129.42E–.08 250 3.5b 23 1-92
ISCJB VII 23 19 52 07.8–.43 5.35S–.05 129.42E–.05 250 3.5b **¶602027954**
DJA VII 23 19 52 08.9–.30 5S–3.0 129E–3.0 239–4 4.8b,4.3
IDC VII 23 19 52 14.7–5.8 6.72S 126.43E 284–58 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=150.4.
IDC Error ellipse: s-maj=87.5km s-min=13.5km az=66.0.
ISC VII 23 23 31 34.5–.84 4.75S–.06 130.01E–.05 200 23 0-66
IDC VII 23 23 31 18.4–1.6 5.04S 128.52E 0 3.8,3.7L **¶601666344**
ISCJB VII 23 23 31 33.3–.47 4.65S–.05 130.00E–.05 200 3.1b,3.7L
DJA VII 23 23 31 34.9–.40 5S–2.0 130E–2.0 174–4 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VII 24 09 53 11.2–1.9 7.85S 124.57E 0 4.2b,3.7
¶601666368
IDC Error ellipse: s-maj=160.4km s-min=28.2km az=60.0.
IDC VII 24 11 55 04.7–11 7.42S 129.35E 160–123 4.2L,4.0
¶601666374
IDC Error ellipse: s-maj=99.4km s-min=45.9km az=47.0.
ISC VII 24 13 43 18.1–.49 6.47S–.04 126.60E–.06 475–5 4.7b 293 3-162
BJI VII 24 13 43 13.5 6.71S 126.96E 467 4.8b,4.5b **¶601465931**
ISCJB VII 24 13 43 17.2–.23 6.47S–.03 126.67E–.03 478–2 4.6b,4.5b
NEIC VII 24 13 43 17.4–.27 6.47S 126.62E 470–3 4.8b,4.5b
MOS VII 24 13 43 17.2–.92 6.45S 126.56E 474 4.7b,4.5b
DJA VII 24 13 43 18.7–.10 7S–2.0 127E–2.0 456–2 5.5,5.1b
IDC VII 24 13 43 18.4–1.3 6.47S 126.66E 476–14 5.0,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.2km az=173.9.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=69.0.
MOS Error ellipse: s-maj=15.4km s-min=6.3km az=103.8.
IDC Error ellipse: s-maj=15.1km s-min=7.1km az=76.0.
IDC VII 25 00 59 46.4–3.9 5.65S 130.88E 0 3.7b,3.5
¶601666395
IDC Error ellipse: s-maj=295.1km s-min=31.6km az=72.0.
ISC VII 25 02 32 37.7–.82 5.75S–.08 128.2E–.10 400 20 2-153
ISCJB VII 25 02 32 36.4–.51 5.73S–.06 128.16E–.09 400 3.5b **¶601468513**
DJA VII 25 02 32 37.4–.40 6S–4.0 128E–5.0 388–8 4.5b,4.4b
IDC VII 25 02 32 38.3–3.4 5.94S 127.71E 400–34 4.6,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.6km az=155.2.
IDC Error ellipse: s-maj=91.2km s-min=15.0km az=68.0.
IDC VII 25 07 42 28.1–1.5 6.12S 130.24E 0 4.1,4.1b
¶601666408
IDC Error ellipse: s-maj=132.3km s-min=22.3km az=67.0.
ISC VII 25 13 44 18.2–.70 7.76S–.05 127.01E–.05 228–7 4.3b 126 3-152
BJI VII 25 13 44 14.8 7.82S 127.31E 230 4.9b,4.4b **¶601473946**
ISCJB VII 25 13 44 17.6–.40 7.74S–.04 126.98E–.03 240–4 4.2b,4.4b
NEIC VII 25 13 44 17.9–.52 7.68S 127.01E 226–6 4.6b,4.4b
DJA VII 25 13 44 19.4–.20 8S–3.0 127E–2.0 234–4 5.3,5.0b
IDC VII 25 13 44 21.4–3.4 7.65S 126.92E 254–33 4.4,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=29.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=47.0.
IDC Error ellipse: s-maj=20.2km s-min=9.6km az=67.0.
ISC VII 26 19 45 59.1–.72 7.29S–.06 129.23E–.06 100 3.9b 27 2-72
ISCJB VII 26 19 45 57.5–.43 7.38S–.05 129.29E–.05 100 3.8b **¶601475820**
IDC VII 26 19 45 58.7–2.0 7.48S 129.37E 105–22 4.4,4.1
NEIC VII 26 19 45 59.9–1.4 7.38S 129.33E 110–16 4.6b,4.1
DJA VII 26 19 45 59.1–.30 7S–2.0 129E–2.0 102–16 5.1b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 26 23 09 43.1–2.0 6.50S 129.52E 0 3.9,3.7
¶601666500
IDC Error ellipse: s-maj=54.7km s-min=30.1km az=77.0.
ISC VII 27 10 10 58.1–.94 5.42S–.06 131.97E–.08 35 14 2-68
IDC VII 27 10 10 55.2–3.9 5.32S 131.64E 0 4.1L,4.0 **¶601666516**
ISCJB VII 27 10 10 57.2–.64 5.35S–.04 131.95E–.08 33 3.6b,4.0
DJA VII 27 10 11 02.1–1.6 5S–12 132E–5.0 30–35 5.2b,4.9b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 28 04 09 24.6–.97 7.75S–.07 124.3E–.10 26 3.8b 14 2-70
IDC VII 28 04 09 21.0–1.1 7.76S 124.34E 0 4.1,3.9 **¶601666555**
ISCJB VII 28 04 09 22.9–.69 7.72S–.06 124.2E–.10 26 3.7b,3.0s
DJA VII 28 04 09 23.0–.50 8S–4.0 124E–5.0 10 4.7b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC VII 29 07 53 20.7–8.3 6.89S 129.82E 101–78 3.8,3.8L
¶601666616
IDC Error ellipse: s-maj=89.7km s-min=24.0km az=51.0.
IDC VII 29 17 41 31.5–2.4 5.20S 130.53E 0 3.3,3.3b
¶601666637
IDC Error ellipse: s-maj=152.2km s-min=30.1km az=71.0.
IDC VII 29 23 34 12.4–9.9 6.80S 129.95E 68–96 4.0L,3.8
¶601666647
IDC Error ellipse: s-maj=136.1km s-min=35.3km az=61.0.
ISC VII 30 16 54 22.0–1.3 7.56S–.10 129.5E–.10 146 3.5b 11 6-73
IDC VII 30 16 54 05.4–1.3 6.71S 130.02E 0 4.2L,4.1 **¶601650776**
ISCJB VII 30 16 54 19.8–1.1 7.49S–.08 129.54E–.08 146 3.5b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VII 31 03 57 49.7–.78 7.05S–.07 126.7E–.10 412 3.6b 21 4-82
ISCJB VII 31 03 57 48.8–.49 7.02S–.05 126.75E–.08 412 3.6b **¶601650802**
IDC VII 31 03 57 51.7–2.4 7.10S 126.53E 433–27 4.1,3.4
DJA VII 31 03 57 53.8–1.2 7S–12 126E–15 361–14 4.3,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VII 31 06 32 43.2–.99 7.72S–.07 129.88E–.09 50 18 3-69
ISCJB VII 31 06 32 41.7–.55 7.66S–.04 129.85E–.06 50 3.6b,2.9s **¶601650807**
IDC VII 31 06 32 43.9–2.3 7.50S 129.85E 94–28 4.2,4.0
DJA VII 31 06 32 45.7–.40 7S–4.0 130E–5.0 137–21 4.9b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC VII 31 08 15 52.4–1.7 7.00S 127.64E 0 3.9,3.8L
¶601650811
IDC Error ellipse: s-maj=100.3km s-min=24.6km az=72.0.
ISC VII 31 15 35 40.2–1.0 6.13S–.09 127.7E–.10 408 9 6-71
ISCJB VII 31 15 35 39.6–.78 6.12S–.07 127.7E–.10 408 3.2b **¶601650835**
IDC VII 31 15 35 41.8–3.0 6.28S 127.48E 408–32 3.8,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.9km az=17.6.
IDC Error ellipse: s-maj=48.3km s-min=13.5km az=64.0.
IDC VII 31 15 53 30.5–1.7 6.81S 128.13E 0 3.6,3.6L
¶601650836
IDC Error ellipse: s-maj=57.3km s-min=29.0km az=77.0.
ISC VII 31 20 27 02.1–.44 5.77S–.04 131.45E–.05 54 4.4b 75 2-130
ISCJB VII 31 20 27 01.2–.29 5.74S–.03 131.35E–.04 54 4.5b,3.4s **¶601650847**
NEIC VII 31 20 27 04.6–.81 5.69S 131.42E 73–8 4.5b,3.4s
IDC VII 31 20 27 04.5–3.2 5.61S 131.37E 65–26 4.8L,4.2
DJA VII 31 20 27 05.8–.30 6S–3.0 131E–3.0 74–18 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 01 09 31 50.7–.68 6.67S–.06 130.52E–.07 90 3.9b 25 2-75
ISCJB VIII 01 09 31 50.7–.47 6.73S–.04 130.48E–.06 90 3.8b **¶601765308**
IDC VIII 01 09 31 52.4–2.2 6.50S 130.35E 107–23 4.2,3.8
DJA VIII 01 09 31 53.6–.40 7S–4.0 131E–5.0 122–23 5.5b,5.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 01 18 53 29.9–.88 6.04S–.07 129.0E–.10 264 10 6-67
ISCJB VIII 01 18 53 30.6–.89 6.06S–.06 129.0E–.10 264 3.3b **¶601765321**
IDC VIII 01 18 53 30.8–1.3 5.92S 129.04E 306–17 3.8,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=7.4km az=7.3.
IDC Error ellipse: s-maj=25.2km s-min=11.9km az=89.0.
ISC VIII 02 16 36 26.9–.79 7.24S–.07 126.8E–.10 350 3.5b 14 4-77
ISCJB VIII 02 16 36 26.1–.55 7.23S–.05 126.76E–.08 350 3.4b **¶601765359**
IDC VIII 02 16 36 26.9–1.3 7.19S 126.64E 333–16 4.0,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.0km az=10.1.
IDC Error ellipse: s-maj=23.1km s-min=17.6km az=82.0.
IDC VIII 02 17 22 24.9–2.8 6.96S 129.63E 76–57 3.8b,3.7
¶601765362
IDC Error ellipse: s-maj=95.1km s-min=28.1km az=103.0.
ISC VIII 02 18 55 42.8–.65 7.21S–.05 129.50E–.06 139 3.8b 26 2-78
ISCJB VIII 02 18 55 41.3–.48 7.17S–.04 129.55E–.07 139 3.8b **¶601765364**
IDC VIII 02 18 55 43.9–2.1 7.27S 129.67E 159–22 4.0,3.6
DJA VIII 02 18 55 45.9–.30 7S–3.0 129E–3.0 155 4.8b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 03 02 18 29.1–15 7.17S 129.12E 97–165 3.7,3.5
¶601765377

IDC Error ellipse: s-maj=135.8km s-min=59.5km az=34.0.
IDC VIII 03 07 24 06.0–4.9 7.26S 126.75E 437–62 4.1,3.3 ¶601765389

IDC Error ellipse: s-maj=98.6km s-min=19.4km az=50.0.
IDC VIII 03 08 12 29.4–1.3 6.30S 128.55E 258–15 4.1,3.5 ¶601765391

IDC Error ellipse: s-maj=23.4km s-min=12.4km az=112.0.
ISC VIII 03 14 12 27.7–.61 7.56S–.06 128.70E–.09 35 4.0b,3.6s 29 6-82
IDC VIII 03 14 12 23.4–.68 7.43S 128.36E 0 4.1,4.0L ¶601706367
ISCJB VIII 03 14 12 24.9–.41 7.63S–.04 128.64E–.08 35 3.9b,3.8s
NEIC VIII 03 14 12 27.3–.42 7.57S 128.61E 35 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=14.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.0km az=169.1.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.3km az=82.0.
IDC VIII 03 15 49 14.1–2.0 6.63S 129.68E 0 3.9,3.9L ¶601765408

IDC Error ellipse: s-maj=81.0km s-min=27.4km az=77.0.
IDC VIII 03 17 18 34.7–2.3 7.18S 129.99E 124–24 3.9,3.6b ¶601765412

IDC Error ellipse: s-maj=38.0km s-min=20.8km az=93.0.
ISC VIII 03 17 46 17.9–.53 6.59S–.04 130.43E–.07 146 4.6b 43 2-78
IDC VIII 03 17 46 16.5–1.9 6.66S 130.31E 118–21 4.3,3.9 ¶601518035
ISCJB VIII 03 17 46 17.2–.33 6.61S–.03 130.35E–.05 146 4.5b,3.9
NEIC VIII 03 17 46 17.5–.64 6.57S 130.32E 123–9 4.4b,3.9
DJA VIII 03 17 46 18.1–.40 7S–4.0 130E–5.0 118–11 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 03 20 40 48.3–1.0 7.25S–.08 127.7E–.10 315 10 5-28
ISCJB VIII 03 20 40 47.3–1.1 7.13S–.09 127.68E–.09 315 3.2b ¶601765417
IDC VIII 03 20 40 47.2–1.8 7.04S 127.39E 359–50 3.8,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=11.4km az=30.2.
IDC Error ellipse: s-maj=67.5km s-min=14.1km az=122.0.
IDC VIII 04 01 02 03.2–2.2 6.09S 130.22E 0 4.1b,3.7 ¶601765425

IDC Error ellipse: s-maj=94.4km s-min=27.4km az=77.0.
IDC VIII 04 03 13 58.6–2.0 6.20S 130.71E 0 3.8,3.7 ¶601765428

IDC Error ellipse: s-maj=89.4km s-min=27.1km az=79.0.
ISC VIII 04 05 50 09.0–.46 6.68S–.05 130.24E–.06 146 4.6b 70 2-151
BJI VIII 04 05 50 06.5 6.89S 130.48E 149 5.0b,4.6b ¶601518065
ISCJB VIII 04 05 50 07.5–.28 6.67S–.03 130.27E–.05 146 4.3b,4.6b
IDC VIII 04 05 50 07.5–1.8 6.53S 130.22E 134–18 4.4,4.0
NEIC VIII 04 05 50 08.9–.78 6.50S 130.19E 144–8 4.5b,4.0
DJA VIII 04 05 50 10.1–.40 7S–4.0 130E–4.0 112–9 5.2b,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VIII 04 13 58 47.2–2.5 5.95S 130.49E 47–30 4.2L,4.0 ¶601765454

IDC Error ellipse: s-maj=57.9km s-min=19.9km az=80.0.
ISC VIII 04 19 31 34.4–.30 6.99S–.04 126.93E–.05 407 4.4b 177 4-147
BJI VIII 04 19 31 32.8 7.01S 127.02E 422 4.4b,4.2b ¶601518320
ISCJB VIII 04 19 31 33.1–.17 6.98S–.02 126.86E–.03 407 4.4b,4.2b
NEIC VIII 04 19 31 35.0–.35 6.94S 126.88E 412–4 4.5b,4.2b
IDC VIII 04 19 31 34.8–1.0 6.95S 126.82E 408–11 4.6,3.8
DJA VIII 04 19 31 35.2–.20 7S–2.0 127E–2.0 397–3 5.0,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VIII 04 22 02 47.9–2.0 5.28S 131.21E 0 3.6,3.6b ¶601765470

IDC Error ellipse: s-maj=119.6km s-min=27.0km az=80.0.
IDC VIII 05 19 02 38.1–2.4 6.95S 130.39E 86–28 4.1,3.9 ¶601765513

IDC Error ellipse: s-maj=37.8km s-min=19.7km az=82.0.
IDC VIII 05 20 42 25.7–1.6 6.59S 129.28E 0 3.6,3.5 ¶601765517

IDC Error ellipse: s-maj=54.9km s-min=26.8km az=80.0.
IDC VIII 06 06 36 34.6–8.8 7.92S 129.46E 270–104 3.2,2.8b ¶601765538

IDC Error ellipse: s-maj=68.8km s-min=45.3km az=36.0.
ISC VIII 06 21 28 57.0–.78 6.49S–.07 130.21E–.09 146 3.8b 16 6-78
IDC VIII 06 21 28 54.7–1.9 6.23S 130.16E 113–19 4.1,3.8 ¶601765576
ISCJB VIII 06 21 28 55.5–.59 6.43S–.05 130.18E–.07 146 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 07 06 14 37.1–2.8 6.23S 130.16E 119–35 4.0,3.7 ¶601765591

IDC Error ellipse: s-maj=71.7km s-min=20.7km az=88.0.
ISC VIII 07 19 41 22.1–.98 4.04S–.07 128.66E–.06 35 11 1-65
IDC VIII 07 19 41 16.2–2.5 3.61S 129.98E 0 3.6,3.4 ¶601765621
DJA VIII 07 19 41 19.8–.50 4S–4.0 129E–3.0 15–4 3.6,3.6
ISCJB VIII 07 19 41 20.5–.80 4.10S–.06 128.65E–.06 35 3.3b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 07 21 49 59.0–.50 6.36S–.04 130.47E–.05 150 4.1b 63 2-151
IDC VIII 07 21 49 55.3–2.5 6.44S 129.99E 88–23 4.4,4.1 ¶601706377
ISCJB VIII 07 21 49 58.0–.30 6.34S–.03 130.50E–.05 150 4.0b,4.1
DJA VIII 07 21 49 57.3–.30 6S–2.0 130E–3.0 150–7 5.5b,5.0
NEIC VIII 07 21 49 58.4–.56 6.34S 130.29E 118–6 4.4b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=11.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=164.6.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.6km az=69.0.
IDC VIII 08 05 53 05.1–8.2 7.62S 128.60E 114–88 3.7L,3.6 ¶601765636

IDC Error ellipse: s-maj=75.9km s-min=25.9km az=30.0.
IDC VIII 08 09 50 46.2–19 6.08S 130.43E 124–194 3.6,3.5L ¶601765645

IDC Error ellipse: s-maj=149.9km s-min=61.1km az=45.0.
ISC VIII 08 21 55 15.5–.91 7.66S–.06 128.67E–.09 151 11 6-68
ISCJB VIII 08 21 55 15.2–.70 7.50S–.05 128.51E–.08 151 3.1b ¶601765673
IDC VIII 08 21 55 16.3–1.6 7.48S 128.47E 151–20 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.8km az=19.6.
IDC Error ellipse: s-maj=25.4km s-min=14.1km az=122.0.
IDC VIII 09 08 44 39.9–4.5 7.31S 125.47E 347–54 3.7,3.0 ¶601765691

IDC Error ellipse: s-maj=97.6km s-min=23.5km az=52.0.
IDC VIII 09 12 23 46.6–3.1 5.07S 128.04E 0 3.4,3.3b ¶601765699

IDC Error ellipse: s-maj=336.0km s-min=31.4km az=66.0.
ISC VIII 09 17 05 10.8–.70 7.76S–.07 128.84E–.09 150 3.7b 18 5-78
IDC VIII 09 17 05 12.0–3.3 7.54S 128.60E 146–38 4.0,3.6 ¶601765709
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=22.9km az=18.0.
IDC VIII 09 19 37 31.4–3.0 4.32S 129.69E 180–39 3.8s,3.8 ¶601765712

IDC Error ellipse: s-maj=59.8km s-min=16.4km az=79.0.
IDC VIII 09 22 37 10.9–5.0 5.15S 125.88E 478–65 3.9,3.1 ¶601765716

IDC Error ellipse: s-maj=99.8km s-min=22.1km az=54.0.
ISC VIII 10 16 57 53.5–.53 7.40S–.05 124.47E–.07 300 3.9b 40 2-123
ISCJB VIII 10 16 57 52.8–.33 7.26S–.04 124.41E–.05 300 3.9b ¶601541974
DJA VIII 10 16 57 53.4–.40 8S–5.0 124E–3.0 335–9 5.0b,4.8
IDC VIII 10 16 57 53.9–.83 7.45S 124.46E 307–10 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=24.6.

IDC Error ellipse: s-maj=17.6km s-min=10.2km az=70.0.
DJA VIII 11 14 19 21.8–.40 4S–8.0 130E–4.0 22–11 3.5,3.5 ¶602028322
ISC VIII 12 05 59 22.9–.35 7.82S–.04 127.21E–.04 150 4.7b 126 3-148
BJI VIII 12 05 59 20.7 8.12S 127.73E 190 4.7b,4.6b ¶601553247
ISCJB VIII 12 05 59 21.3–.24 7.73S–.03 127.23E–.03 150 4.5b,4.6b
IDC VIII 12 05 59 25.0–1.3 7.69S 127.12E 174–12 4.5,4.1
NEIC VIII 12 05 59 25.6–.49 7.75S 127.20E 183–5 4.7b,4.1
DJA VIII 12 05 59 26.1–.20 8S–2.0 127E–2.0 167–3 5.2b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 13 03 39 23.1–.55 6.04S–.07 126.5E–.10 500 3.9b 38 4-149
ISCJB VIII 13 03 39 22.3–.38 5.98S–.05 126.40E–.07 500 3.9b ¶601554157
IDC VIII 13 03 39 22.4–.96 6.03S 126.48E 483–10 4.6,3.9
DJA VIII 13 03 39 24.5–1.0 6S–5.0 126E–7.0 445–20 4.9,4.8b
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 14 17 13 58.8–8.2 7.69S 128.46E 175–88 3.5,3.0 ¶601765843

IDC Error ellipse: s-maj=86.1km s-min=23.6km az=39.0.
IDC VIII 14 21 33 47.4–2.2 4.36S 129.45E 0 3.5,3.4 ¶601765852

IDC Error ellipse: s-maj=118.0km s-min=31.0km az=69.0.
IDC VIII 15 00 31 14.4–1.8 7.69S 125.60E 0 3.6,3.4 ¶601765861

IDC Error ellipse: s-maj=110.9km s-min=26.5km az=68.0.
DJA VIII 15 05 34 20.4–1.6 8S–25 127E–18 199–36 3.8b,3.7 ¶602028402
ISC VIII 15 07 19 02.2–.85 6.59S–.08 127.67E–.09 408 3.6b 18 5-71
ISCJB VIII 15 07 19 01.5–.57 6.54S–.06 127.66E–.06 408 3.5b ¶601765870
IDC VIII 15 07 19 05.8–2.8 6.84S 127.19E 443–32 4.1,3.3
DJA VIII 15 07 19 06.6–1.0 6S–12 128E–9.0 310–19 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 15 13 25 43.3–2.9 5.21S 127.86E 365–28 4.0,3.3 ¶601765888

IDC Error ellipse: s-maj=44.3km s-min=12.1km az=68.0.
IDC VIII 15 20 32 49.8–1.9 7.70S 127.85E 167–21 4.1,3.7 ¶601765898

IDC Error ellipse: s-maj=23.0km s-min=19.3km az=123.0.
ISC VIII 16 15 07 13.8–.55 7.24S–.06 127.67E–.06 250 3.5b 37 4-72
ISCJB VIII 16 15 07 12.8–.33 7.18S–.04 127.66E–.04 250 3.7b ¶601564328
DJA VIII 16 15 07 13.8–.30 7S–5.0 128E–3.0 234–9 4.9b,4.7
IDC VIII 16 15 07 13.8–1.1 7.18S 127.53E 242–13 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=38.3.
IDC Error ellipse: s-maj=14.0km s-min=11.0km az=114.0.
IDC VIII 16 17 34 30.6–1.7 6.01S 128.26E 0 3.6b,3.5 ¶601765954

IDC Error ellipse: s-maj=84.4km s-min=25.0km az=74.0.
ISC VIII 16 21 02 09.4–.50 6.20S–.05 123.25E–.06 10 4.2b,3.3s 46 1-148
ISCJB VIII 16 21 02 07.1–.39 6.23S–.04 123.27E–.04 10 4.0b,3.3s ¶601564814
IDC VIII 16 21 02 07.4–.73 6.11S 123.47E 0 4.2,4.1
BJI VIII 16 21 02 08.0 6.20S 123.30E 10 5.1b,4.7s
NEIC VIII 16 21 02 12.4–.38 6.19S 123.47E 35 4.3b,4.7s
DJA VIII 16 21 02 12.1–.90 6S–2.0 123E–3.0 26–9 4.8b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VIII 17 17 21 55.9–2.7 7.47S 128.43E 184–26 4.0,3.5 ¶601766006

IDC Error ellipse: s-maj=29.0km s-min=17.2km az=48.0.
ISC VIII 19 13 14 31.3–.80 6.87S–.08 130.16E–.08 100 3.9b 21 2-72
IDC VIII 19 13 14 20.3–1.7 6.60S 130.56E 0 4.2,4.1 ¶601652996
ISCJB VIII 19 13 14 30.0–.54 6.93S–.05 130.19E–.06 100 4.0b,4.1
NEIC VIII 19 13 14 32.2–.79 6.87S 130.20E 105–10 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=25.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.5km az=3.3.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.6km az=90.0.
ISC VIII 20 03 10 43.7–.56 7.28S–.04 125.80E–.05 441–6 4.5b 247 3-153
BJI VIII 20 03 10 40.8 7.54S 126.07E 453 4.6b,4.5b ¶601566541
MOS VIII 20 03 10 42.5–1.0 7.20S 125.82E 438 4.6b,4.5b
ISCJB VIII 20 03 10 43.5–.25 7.28S–.03 125.87E–.03 453–3 4.4b,4.5b
NEIC VIII 20 03 10 43.9–.27 7.27S 125.82E 441–3 4.7b,4.5b
DJA VIII 20 03 10 44.2–.20 7S–3.0 126E–2.0 443–3 5.2,5.0b
IDC VIII 20 03 10 44.0–1.0 7.22S 125.82E 440–11 4.8,4.0
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=6.9km az=118.4.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=42.3.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=52.0.
IDC Error ellipse: s-maj=10.7km s-min=7.7km az=67.0.
IDC VIII 20 09 19 48.2–1.2 6.52S 128.12E 288–13 4.2,3.6 ¶601766184

IDC Error ellipse: s-maj=18.1km s-min=10.0km az=93.0.
ISC VIII 20 23 28 32.0–.92 7.07S–.10 125.2E–.20 543 3.4b 12 3-73
ISCJB VIII 20 23 28 30.7–.67 6.97S–.07 125.1E–.20 543 3.6b ¶601766226
IDC VIII 20 23 28 31.7–1.0 7.02S 125.17E 545–11 4.1,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=9.7km az=179.3.
IDC Error ellipse: s-maj=29.4km s-min=13.6km az=77.0.
IDC VIII 21 10 10 04.1–2.5 6.45S 129.74E 192–34 3.4,2.9b ¶601766246

IDC Error ellipse: s-maj=61.3km s-min=18.9km az=89.0.
IDC VIII 22 08 10 35.6–2.2 6.74S 129.47E 0 3.7,3.7b ¶601766289

IDC Error ellipse: s-maj=81.6km s-min=29.1km az=76.0.
ISC VIII 22 09 19 06.8–.96 7.01S–.07 129.7E–.10 139 3.8b 11 6-72
ISCJB VIII 22 09 19 05.9–.76 7.03S–.06 129.69E–.08 139 3.8b ¶601766294
IDC VIII 22 09 19 07.8–2.2 6.95S 129.49E 133–23 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=8.5km az=7.9.
IDC Error ellipse: s-maj=36.1km s-min=20.1km az=95.0.
IDC VIII 23 05 13 30.2–13 7.11S 129.16E 168–151 3.4,3.3L ¶601766336

IDC Error ellipse: s-maj=111.8km s-min=54.3km az=37.0.
IDC VIII 23 18 15 05.5–7.9 7.47S 129.30E 138–84 3.7,3.4 ¶601766364

IDC Error ellipse: s-maj=75.3km s-min=27.1km az=33.0.
ISC VIII 24 02 50 01.3–.92 7.88S–.07 124.5E–.10 26 4.1b,3.4s 21 2-93
IDC VIII 24 02 49 57.8–1.2 7.78S 124.17E 0 4.2,4.0 ¶601685261
ISCJB VIII 24 02 49 59.0–.54 7.83S–.06 124.3E–.10 26 3.9b,3.5s
DJA VIII 24 02 50 01.0–.40 8S–4.0 124E–3.0 10 4.8b,4.8b
NEIC VIII 24 02 50 02.3–.60 7.83S 124.33E 35 4.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=17.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.0km az=154.5.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.1km az=66.0.
IDC VIII 24 16 37 00.8–1.9 6.82S 129.11E 169–22 4.2,3.7 ¶601766407

IDC Error ellipse: s-maj=23.3km s-min=16.9km az=96.0.
ISC VIII 24 16 42 48.6–.71 6.23S–.05 129.98E–.07 146 3.8b 26 2-73
ISCJB VIII 24 16 42 47.7–.46 6.31S–.04 130.11E–.06 146 3.8b ¶601766408
IDC VIII 24 16 42 47.2–2.6 6.27S 129.76E 127–28 4.2,3.8
DJA VIII 24 16 42 50.3–.40 6S–3.0 130E–3.0 148–12 5.5b,4.9
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 24 21 15 21.5–1.9 7.72S 127.69E 154–22 4.0,3.6 ¶601766414

IDC Error ellipse: s-maj=20.6km s-min=17.0km az=85.0.

ISC VIII 25 01 04 38.9–.58 7.45S–.06 128.45E–.07 200 4.0b 36 3-127
NEIC VIII 25 01 04 37.8–.86 7.36S 128.51E 168–10 4.2b ¶601626183
DJA VIII 25 01 04 37.8–.80 7S–13 129E–9.0 204–27 4.8,4.8b
ISCJB VIII 25 01 04 38.1–.38 7.50S–.05 128.52E–.05 200 3.9b,4.8b
IDC VIII 25 01 04 39.0–1.9 7.39S 128.44E 182–19 4.4,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.6km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.2km az=158.3.
IDC Error ellipse: s-maj=21.6km s-min=13.8km az=51.0.
IDC VIII 25 06 47 36.0–3.7 7.37S 126.58E 465–48 3.8,3.0b
¶601766433

IDC Error ellipse: s-maj=83.2km s-min=17.2km az=51.0.
IDC VIII 26 09 27 02.8–2.4 6.41S 129.55E 0 3.7,3.5
¶601766496

IDC Error ellipse: s-maj=113.8km s-min=28.7km az=76.0.
IDC VIII 26 23 36 48.5–1.8 7.49S 129.70E 0 4.1,4.1L
¶601766516

IDC Error ellipse: s-maj=81.9km s-min=25.4km az=77.0.
ISC VIII 28 08 57 38.3–1.1 7.21S–.06 123.5E–.10 10 10 2-65
DJA VIII 28 08 57 32.6–1.3 7S–7.0 123E–7.0 246–14 3.5,3.5 ¶601755506
ISCJB VIII 28 08 57 39.3–1.0 7.26S–.08 123.3E–.10 10 3.7b,3.5
IDC VIII 28 08 57 43.2–1.5 7.31S 123.90E 0 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=10.5km az=160.7.
IDC Error ellipse: s-maj=76.7km s-min=24.0km az=66.0.
ISC VIII 28 14 41 09.1–1.5 7.1S–.10 128.6E–.10 35 7 6-72
IDC VIII 28 14 41 04.0–1.7 6.96S 128.55E 0 3.7,3.7b ¶601755521
ISCJB VIII 28 14 41 06.8–1.1 7.06S–.10 128.55E–.09 33 3.6b,3.7b
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 29 12 17 50.5–2.7 6.17S 130.38E 114–37 3.5,3.3b
¶601755558

IDC Error ellipse: s-maj=68.6km s-min=21.3km az=88.0.
IDC VIII 29 23 24 39.5–2.1 6.56S 130.15E 0 4.0,3.9L
¶601755587

IDC Error ellipse: s-maj=88.8km s-min=27.7km az=77.0.
IDC VIII 30 01 26 06.2–3.0 6.34S 129.56E 108–40 3.5,3.2
¶601755592

IDC Error ellipse: s-maj=67.1km s-min=21.8km az=90.0.
DJA VIII 31 08 10 15.0–.90 8S–20 128E–6.0 109–43 3.9,3.7
¶602028844
ISC VIII 31 22 22 03.1–.51 7.57S–.05 124.93E–.08 371 3.6b 41 2-124
IDC VIII 31 22 22 01.8–.78 7.50S 124.89E 343–9 4.2,3.6 ¶601755808
ISCJB VIII 31 22 22 02.2–.36 7.54S–.05 125.00E–.06 371 3.7b,3.6
DJA VIII 31 22 22 05.9–1.1 8S–6.0 125E–8.0 306–12 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IX 01 03 54 31.5–.98 4.3S–.10 129.5E–.20 36 4.0b 11 4-99
IDC IX 01 03 54 26.9–1.1 4.18S 129.35E 0 4.2,4.2b ¶601862693
ISCJB IX 01 03 54 29.8–.69 4.22S–.07 129.5E–.10 36 4.0b,4.2b
ISC Event type ke.
ISCJB Event type ke.
IDC IX 01 06 24 43.0–1.7 6.93S 128.93E 0 4.1,4.1L
¶601862701

IDC Error ellipse: s-maj=78.7km s-min=25.0km az=76.0.
IDC IX 01 08 20 39.2–2.9 6.21S 130.40E 94–38 4.0,3.8
¶601862707

IDC Error ellipse: s-maj=76.9km s-min=22.0km az=88.0.
IDC IX 03 05 45 57.0–2.2 6.37S 129.58E 0 3.8b,3.7
¶601862839

IDC Error ellipse: s-maj=92.8km s-min=28.3km az=76.0.
IDC IX 03 09 34 58.9–12 6.97S 129.92E 184–142 3.4,3.2b
¶601862855

IDC Error ellipse: s-maj=83.6km s-min=51.6km az=20.0.
IDC IX 03 14 57 57.1–1.3 7.29S 126.49E 392–16 3.6,3.1b
¶601862872

IDC Error ellipse: s-maj=24.8km s-min=19.4km az=83.0.
ISC IX 04 03 08 38.5–.32 5.64S–.04 128.79E–.04 300 4.3b 120 2-153
ISCJB IX 04 03 08 37.3–.21 5.64S–.02 128.82E–.03 300 4.3b ¶601673750
IDC IX 04 03 08 38.3–1.3 5.59S 128.70E 294–13 4.4,3.8
NEIC IX 04 03 08 38.4–.33 5.64S 128.78E 294–4 4.7b,3.8
DJA IX 04 03 08 38.5–.20 6S–3.0 129E–3.0 284–3 5.2,5.2b
BJI IX 04 03 08 38.3 5.53S 129.00E 296 4.6b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=157.5.
IDC Error ellipse: s-maj=15.3km s-min=8.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=55.0.
IDC IX 04 23 45 23.4–2.0 6.60S 130.05E 0 3.8,3.8b
¶601862954

IDC Error ellipse: s-maj=75.1km s-min=27.5km az=77.0.
ISC IX 05 12 01 29.9–.66 7.46S–.06 129.18E–.10 131 3.8b 18 6-84
ISCJB IX 05 12 01 28.8–.53 7.44S–.05 129.09E–.07 131 3.8b ¶601675871
IDC IX 05 12 01 31.0–2.2 7.35S 129.00E 130–20 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.2km az=177.0.
IDC Error ellipse: s-maj=21.1km s-min=13.4km az=83.0.
IDC IX 05 13 35 12.8–4.4 6.44S 129.92E 107–56 3.6,3.3
¶601862985

IDC Error ellipse: s-maj=94.8km s-min=25.0km az=81.0.
ISC IX 05 14 31 54.2–.90 7.47S–.06 129.23E–.10 131 11 6-68
ISCJB IX 05 14 31 53.6–.72 7.39S–.05 129.10E–.08 131 3.1b ¶601862987
IDC IX 05 14 31 56.0–2.1 7.40S 129.01E 149–25 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.4km az=15.0.
IDC Error ellipse: s-maj=24.7km s-min=18.6km az=110.0.
ISC IX 06 02 39 59.9–1.0 6.27S–.06 130.5E–.10 146 12 2-68
IDC IX 06 02 39 56.8–2.9 6.43S 129.96E 78–39 4.4L,4.3 ¶601863021
ISCJB IX 06 02 39 57.5–.65 6.47S–.05 130.5E–.10 146 3.6b,4.3
DJA IX 06 02 39 59.1–.50 6S–3.0 130E–6.0 176–17 5.2b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC IX 06 08 56 07.5–8.1 7.61S 128.29E 137–86 3.5,3.3b
¶601863034

IDC Error ellipse: s-maj=77.0km s-min=25.1km az=35.0.
ISC IX 06 11 53 22.6–.69 7.60S–.05 128.95E–.05 100 16 2-68
ISCJB IX 06 11 53 21.5–.73 7.58S–.06 129.04E–.06 100 3.4b ¶601863039
IDC IX 06 11 53 23.4–2.1 7.49S 128.95E 131–26 3.8,3.5
DJA IX 06 11 53 25.2–.50 7S–5.0 129E–3.0 104–25 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC IX 06 16 29 43.9–2.1 6.77S 129.05E 0 3.7L,3.6
¶601863055

IDC Error ellipse: s-maj=140.8km s-min=30.9km az=67.0.
ISC IX 07 17 59 11.0–.49 7.81S–.04 129.16E–.05 150 4.5b 54 2-74
ISCJB IX 07 17 59 10.4–.33 7.82S–.03 129.16E–.03 150 4.3b
NEIC IX 07 17 59 11.3–.75 7.68S 129.07E 156–14 4.6b ¶601699549
BJI IX 07 17 59 11.0 7.83S 129.12E 164 4.7b,4.5b
IDC IX 07 17 59 11.3–1.8 7.72S 129.24E 84–20 4.1,3.9
DJA IX 07 17 59 12.8–.40 8S–4.0 129E–3.0 141–18 5.0b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 09 03 46 28.3–2.1 6.43S 129.30E 0 3.9,3.7
¶601863208

IDC Error ellipse: s-maj=90.1km s-min=27.4km az=76.0.
IDC IX 09 09 02 09.8–2.9 6.61S 129.54E 104–40 3.7,3.5
¶601863225

IDC Error ellipse: s-maj=65.6km s-min=22.0km az=91.0.
IDC IX 09 13 44 49.2–2.3 6.60S 130.03E 155–32 3.7,3.4b
¶601863236

IDC Error ellipse: s-maj=59.4km s-min=16.1km az=91.0.

IDC IX 09 14 11 29.8–2.4 6.77S 129.60E 0 3.5,3.3
¶601863237

IDC Error ellipse: s-maj=88.7km s-min=30.1km az=76.0.
IDC IX 09 19 12 16.4–1.9 6.89S 128.28E 0 3.8b,3.5
¶601863251

IDC Error ellipse: s-maj=123.5km s-min=31.2km az=66.0.
ISC IX 09 21 06 10.0–.31 7.44S–.04 128.61E–.04 151 4.5b 151 3-151
ISCJB IX 09 21 06 08.9–.20 7.42S–.02 128.61E–.03 151 4.4b ¶601697113
BJI IX 09 21 06 09.2 7.23S 128.75E 150 4.7b,4.6b
NEIC IX 09 21 06 10.8–.74 7.32S 128.60E 156–7 4.5b,4.6b
DJA IX 09 21 06 11.3–.40 7S–3.0 129E–3.0 181–11 4.9b,4.7
IDC IX 09 21 06 11.6–1.8 7.36S 128.50E 160–17 4.5,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=65.0.
IDC Error ellipse: s-maj=14.7km s-min=9.7km az=81.0.
IDC IX 09 21 58 02.9–1.8 6.72S 129.31E 0 3.8b,3.7
¶601863266

IDC Error ellipse: s-maj=119.7km s-min=29.7km az=68.0.
ISC IX 10 07 51 09.6–.33 6.63S–.04 129.81E–.05 146 4.6b 143 2-151
BJI IX 10 07 51 05.5 6.77S 130.03E 146 4.8b,4.7b ¶601698233
ISCJB IX 10 07 51 08.1–.20 6.63S–.02 129.73E–.04 146 4.6b,4.7b
NEIC IX 10 07 51 09.7–.50 6.58S 129.70E 146–5 4.7b,4.7b
IDC IX 10 07 51 09.8–.76 6.58S 129.64E 147–7 4.7,4.3
DJA IX 10 07 51 10.2–.40 7S–3.0 130E–4.0 174–8 5.2,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 10 08 54 48.2–2.2 7.19S 128.58E 0 3.4,3.3b
¶601863288

IDC Error ellipse: s-maj=117.7km s-min=33.3km az=66.0.
IDC IX 11 04 19 42.6–2.5 6.15S 130.14E 0 3.9b,3.8
¶601863332

IDC Error ellipse: s-maj=109.7km s-min=29.3km az=77.0.
IDC IX 12 00 58 54.0–1.9 6.95S 130.36E 0 3.8b,3.7
¶601863390

IDC Error ellipse: s-maj=82.7km s-min=29.2km az=79.0.
IDC IX 12 16 39 54.3–2.8 6.50S 130.12E 133–38 3.3b,3.2
¶601863419

IDC Error ellipse: s-maj=76.7km s-min=21.0km az=88.0.
ISC IX 13 12 29 16.3–.50 6.24S–.04 123.29E–.06 35 4.4b,3.2s 62 1-148
IDC IX 13 12 29 11.5–.70 6.21S 123.33E 0 4.3L,4.2 ¶601712974
ISCJB IX 13 12 29 14.2–.28 6.24S–.03 123.33E–.04 33 4.5b,3.1s
BJI IX 13 12 29 14.0 6.20S 123.20E 12 4.8b,4.4b
DJA IX 13 12 29 14.5–.90 6S–2.0 123E–4.0 20–11 5.2b,4.8b
NEIC IX 13 12 29 17.3–.86 6.23S 123.38E 41–9 4.6b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=15.6km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=156.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=71.0.
IDC IX 13 20 58 51.9–2.3 5.64S 126.61E 0 3.2,3.1
¶601863483

IDC Error ellipse: s-maj=331.5km s-min=28.9km az=64.0.
ISC IX 14 04 33 11.7–1.0 6.3S–.10 127.6E–.20 408 3.6b 10 5-70
ISCJB IX 14 04 33 10.1–.83 6.19S–.08 127.6E–.10 408 3.6b ¶601863503
IDC IX 14 04 33 13.4–2.6 6.43S 127.37E 431–29 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=11.0km az=172.4.
IDC Error ellipse: s-maj=46.7km s-min=11.1km az=66.0.
IDC IX 14 05 29 13.3–3.4 5.09S 128.05E 355–51 3.9,3.2
¶601863507

IDC Error ellipse: s-maj=75.4km s-min=15.1km az=83.0.
IDC IX 14 20 09 53.7–2.7 5.44S 129.89E 0 3.5,3.3
¶601863549

IDC Error ellipse: s-maj=126.6km s-min=30.5km az=76.0.
IDC IX 14 20 50 16.4–2.9 6.66S 129.65E 126–41 3.4,3.0
¶601863554

IDC Error ellipse: s-maj=70.7km s-min=21.7km az=90.0.
ISC IX 16 13 09 21.4–.71 6.58S–.06 129.86E–.07 146 23 2-68
ISCJB IX 16 13 09 21.5–.53 6.62S–.05 129.83E–.07 146 4.1b ¶601739618
IDC IX 16 13 09 22.3–2.1 6.64S 130.07E 152–25 4.1,3.9b
NEIC IX 16 13 09 23.6–.74 6.61S 129.92E 161–11 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=176.8.
IDC Error ellipse: s-maj=37.7km s-min=19.6km az=95.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.0km az=71.0.
ISC IX 16 21 46 45.7–.45 7.17S–.04 129.73E–.04 139 4.6b 80 2-146
ISCJB IX 16 21 46 44.2–.28 7.19S–.03 129.79E–.04 139 4.4b ¶601734502
IDC IX 16 21 46 44.4–3.8 7.02S 129.47E 93–38 4.4,4.1
NEIC IX 16 21 46 45.3–.69 7.10S 129.70E 114–8 4.4b,4.1
DJA IX 16 21 46 46.4–.30 7S–2.0 130E–2.0 109–7 5.1b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 17 03 06 19.2–7.6 7.01S 129.90E 75–71 3.9,3.8
¶601863691

IDC Error ellipse: s-maj=118.1km s-min=26.4km az=57.0.
ISC IX 17 04 35 31.4–.00 7.83S–.08 129.5E–.10 100 3.9b 13 6-150
IDC IX 17 04 35 20.3–.95 7.31S 129.87E 0 4.4L,4.2 ¶601863693
ISCJB IX 17 04 35 30.2–.82 7.71S–.07 129.42E–.08 100 3.7b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 17 14 29 47.4–.92 6.75S–.06 130.3E–.10 100 11 6-68
ISCJB IX 17 14 29 48.4–1.0 6.72S–.08 130.10E–.08 100 3.9b ¶601863711
IDC IX 17 14 29 49.5–1.8 6.55S 130.00E 118–20 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=10.7km az=17.1.
IDC Error ellipse: s-maj=29.4km s-min=13.5km az=111.0.
IDC IX 17 19 02 25.4–2.0 4.70S 128.56E 0 3.6,3.6s
¶601863722

IDC Error ellipse: s-maj=141.4km s-min=29.0km az=67.0.
ISC IX 18 18 32 41.6–.86 7.34S–.05 129.26E–.06 200 19 2-68
ISCJB IX 18 18 32 41.8–.53 7.30S–.05 129.29E–.05 200 3.3b ¶601863771
IDC IX 18 18 32 41.4–1.9 7.42S 129.42E 127–23 4.1,3.7
DJA IX 18 18 32 42.3–.50 7S–3.0 129E–3.0 194–9 4.6b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC IX 18 21 28 19.1–1.9 7.55S 128.11E 163–24 3.7,3.2
¶601863777

IDC Error ellipse: s-maj=25.3km s-min=19.5km az=121.0.
IDC IX 19 17 08 28.6–2.0 6.12S 130.56E 0 3.7,3.6
¶601863837

IDC Error ellipse: s-maj=53.6km s-min=27.4km az=83.0.
IDC IX 19 19 04 41.9–8.2 7.39S 129.24E 100–79 3.9,3.9L
¶601863844

IDC Error ellipse: s-maj=90.9km s-min=25.4km az=48.0.
ISC IX 19 20 42 09.3–.83 4.05S–.06 129.38E–.05 100 19 1-65
ISCJB IX 19 20 42 08.0–.54 4.14S–.05 129.42E–.05 100 3.5b ¶601863851
DJA IX 19 20 42 11.8–.60 4S–7.0 129E–3.0 88–7 5.2b,4.5
IDC IX 19 20 42 11.6–1.6 3.96S 129.67E 134–21 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=135.2.
IDC Error ellipse: s-maj=30.0km s-min=13.7km az=97.0.
IDC IX 20 10 06 31.2–5.6 6.95S 129.11E 121–68 3.7,3.4
¶601863884

IDC Error ellipse: s-maj=96.9km s-min=20.7km az=86.0.
IDC IX 20 11 18 30.2–1.7 5.78S 130.35E 0 3.5,3.5b
¶601863887

IDC Error ellipse: s-maj=62.1km s-min=24.4km az=86.0.
ISC IX 20 20 11 54.2–.77 7.41S–.07 127.07E–.09 250 3.8b 14 4-71
ISCJB IX 20 20 11 53.0–.63 7.39S–.06 127.08E–.07 250 3.9b ¶601863909

IDC IX 20 20 11 53.5–1.4 7.27S 126.99E 231–15 4.3,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.6km az=12.2.
IDC Error ellipse: s-maj=16.4km s-min=14.1km az=88.0.
IDC IX 21 01 44 31.4–2.0 6.96S 129.18E 0 3.6,3.5
¶601863933

IDC Error ellipse: s-maj=82.2km s-min=27.6km az=76.0.
IDC IX 21 23 42 14.0–8.6 6.71S 127.92E 295–97 3.7,3.1
¶601863969

IDC Error ellipse: s-maj=107.6km s-min=24.4km az=48.0.
IDC IX 22 10 51 34.8–2.6 5.86S 130.17E 0 3.6,3.6b
¶601863987

IDC Error ellipse: s-maj=187.2km s-min=30.6km az=70.0.
ISC IX 22 20 25 35.5–.60 6.97S–.04 127.85E–.04 291–6 4.4b 183 3-152
BJI IX 22 20 25 33.0 7.09S 128.13E 301 4.4b,4.3b **¶601736817**
ISCJB IX 22 20 25 35.4–.28 6.97S–.02 127.87E–.03 304–3 4.4b,4.3b
IDC IX 22 20 25 36.2–1.2 6.92S 127.81E 295–13 4.7,4.0
NEIC IX 22 20 25 36.3–.40 6.95S 127.85E 297–4 4.7b,4.0
DJA IX 22 20 25 36.5–.20 7S–2.0 128E–2.0 272–5 5.1,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 23 03 14 36.8–1.9 7.74S 127.71E 0 4.0,3.9
¶601864021

IDC Error ellipse: s-maj=49.7km s-min=26.9km az=77.0.
ISC IX 23 12 33 55.8–.33 6.32S–.04 130.44E–.04 150 4.6b 141 2-151
BJI IX 23 12 33 46.4 7.08S 130.77E 134 4.9b,4.8b **¶601737056**
ISCJB IX 23 12 33 54.2–.21 6.30S–.03 130.47E–.03 150 4.6b,4.8b
IDC IX 23 12 33 54.8–1.5 6.33S 130.36E 140–13 4.5,4.0
NEIC IX 23 12 33 54.8–.46 6.27S 130.38E 137–4 4.7b,4.0
DJA IX 23 12 33 56.7–.20 6S–2.0 130E–2.0 115–5 5.3b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 23 14 10 47.4–2.4 4.61S 130.27E 0 3.6b,3.5
¶601864039

IDC Error ellipse: s-maj=112.1km s-min=26.7km az=74.0.
ISC IX 23 16 36 40.7–.70 6.94S–.05 129.36E–.06 139 22 2-151
ISCJB IX 23 16 36 41.1–.55 6.92S–.05 129.44E–.06 139 3.6b **¶601864045**
IDC IX 23 16 36 41.0–1.5 6.92S 129.52E 172–15 3.9,3.5
DJA IX 23 16 36 44.2–.40 7S–3.0 129E–3.0 153–15 4.5b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC IX 23 20 05 31.9–1.3 5.24S 129.91E 199–18 3.8,3.3
¶601864052

IDC Error ellipse: s-maj=30.3km s-min=13.0km az=94.0.
IDC IX 23 23 05 53.4–1.6 6.76S 128.94E 0 4.3L,4.1
¶601864058

IDC Error ellipse: s-maj=111.9km s-min=28.7km az=68.0.
ISC IX 24 09 21 52.3–.74 7.02S–.07 126.0E–.10 488 3.6b 25 3-70
ISCJB IX 24 09 21 51.8–.42 7.00S–.05 125.97E–.07 488 3.7b **¶601864087**
IDC IX 24 09 21 53.5–1.2 6.96S 125.98E 506–15 4.2,3.3
DJA IX 24 09 21 53.1–.30 7S–3.0 126E–4.0 478–5 4.6b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 25 14 07 08.5–.65 7.33S–.06 127.19E–.07 250 3.7b 26 4-71
ISCJB IX 25 14 07 07.9–.43 7.27S–.05 127.19E–.04 250 3.7b **¶601739653**
IDC IX 25 14 07 09.6–1.6 7.33S 127.03E 263–18 4.2,3.7
DJA IX 25 14 07 09.2–.30 7S–3.0 127E–4.0 263–9 4.8b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC IX 26 21 54 10.4–3.6 5.24S 129.72E 266–52 3.3,2.9b
¶601864234

IDC Error ellipse: s-maj=96.0km s-min=18.5km az=80.0.
ISC IX 27 01 46 15.2–.52 7.57S–.05 129.08E–.05 131 3.9b 50 2-128
ISCJB IX 27 01 46 14.2–.34 7.50S–.03 129.06E–.04 131 4.0b **¶601864253**
IDC IX 27 01 46 14.0–1.8 7.42S 129.11E 110–18 4.1,3.9
NEIC IX 27 01 46 15.8–.65 7.50S 129.04E 128–8 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=156.6.
IDC Error ellipse: s-maj=23.7km s-min=13.8km az=118.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.7km az=81.0.
ISC IX 27 15 22 00.9–.74 7.40S–.06 128.14E–.08 10 4.1b 20 3-71
ISCJB IX 27 15 21 58.5–.53 7.35S–.04 128.17E–.05 10 4.3b **¶601851560**
IDC IX 27 15 21 59.7–1.4 7.32S 127.80E 0 3.8,3.8b
NEIC IX 27 15 22 05.0–.62 7.46S 127.79E 35 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.5km az=156.7.
IDC Error ellipse: s-maj=179.8km s-min=28.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.3km az=66.0.
IDC IX 27 16 36 29.3–2.7 7.08S 128.15E 0 3.8,3.6
¶601864290

IDC Error ellipse: s-maj=301.1km s-min=32.5km az=65.0.
ISC IX 27 19 20 19.1–.72 7.75S–.05 128.06E–.05 200 3.9b 29 3-85
ISCJB IX 27 19 20 18.8–.40 7.71S–.04 128.01E–.04 200 3.8b **¶601864305**
IDC IX 27 19 20 19.4–1.8 7.67S 128.03E 176–19 4.3,3.8
DJA IX 27 19 20 19.2–.30 8S–3.0 128E–2.0 197–9 4.5b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 27 19 39 49.8–.70 4.43S–.07 128.77E–.07 35 3.9b 28 1-81
IDC IX 27 19 39 45.1–.95 4.48S 128.43E 0 4.0,3.9 **¶601845971**
ISCJB IX 27 19 39 47.8–.43 4.41S–.05 128.76E–.05 33 3.9b,3.9
DJA IX 27 19 39 47.7–.30 4S–3.0 129E–3.0 10 5.0b,4.3
NEIC IX 27 19 39 50.0–.42 4.61S 128.37E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=19.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=38.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.3km az=78.0.
IDC IX 27 19 56 32.4–8.1 7.32S 128.83E 107–87 3.5,3.5L
¶601864307

IDC Error ellipse: s-maj=71.9km s-min=26.4km az=28.0.
IDC IX 28 04 45 36.9–3.0 6.88S 129.35E 0 3.9,3.9L
¶601864330

IDC Error ellipse: s-maj=286.5km s-min=31.2km az=68.0.
ISC IX 29 16 10 08.5–1.0 6.08S–.07 130.6E–.10 124 9 5-68
ISCJB IX 29 16 10 07.7–.73 6.01S–.05 130.54E–.09 124 3.7b **¶601857493**
IDC IX 29 16 10 09.3–1.8 5.94S 130.48E 120–21 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.8km az=11.6.
IDC Error ellipse: s-maj=31.6km s-min=13.1km az=107.0.
ISC IX 29 16 25 41.9–.41 7.08S–.04 124.18E–.05 593–4 4.7b 435 2-162
BJI IX 29 16 25 34.6 7.64S 124.68E 587 4.9b,4.8b **¶601767296**
MOS IX 29 16 25 41.6–.81 7.00S 124.19E 604 4.7b,4.8b
ISCJB IX 29 16 25 41.4–.17 7.06S–.02 124.18E–.03 603–2 4.6b,4.8b
NEIC IX 29 16 25 41.9–.22 7.06S 124.17E 593–3 4.8b,4.8b
IDC IX 29 16 25 41.9–.54 7.07S 124.17E 593–6 5.0,4.1
DJA IX 29 16 25 42.3–.10 7S–2.0 124E–2.0 585–2 5.3,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 29 20 23 02.7–.72 7.42S–.06 129.46E–.06 150 35 2-68
IDC IX 29 20 23 00.3–9.5 7.14S 129.55E 109–97 4.1L,4.0 **¶601857500**
ISCJB IX 29 20 23 02.9–.51 7.36S–.05 129.39E–.05 150 4.2b,4.0
NEIC IX 29 20 23 04.5–.95 7.35S 129.35E 150–12 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=99.3km s-min=32.5km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=138.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.2km az=225.0.
IDC IX 29 21 42 39.9–2.5 6.46S 128.78E 0 4.0L,3.9
¶601857503

IDC Error ellipse: s-maj=206.7km s-min=31.6km az=67.0.

IDC IX 30 11 14 33.2–4.2 6.83S 128.56E 175–40 4.0,3.6
¶601857530

IDC Error ellipse: s-maj=40.2km s-min=17.3km az=59.0.
ISC X 01 19 41 17.9–.97 7.58S–.08 128.5E–.10 142 3.7b 12 5-71
ISCJB X 01 19 41 17.1–.79 7.41S–.06 128.40E–.08 142 3.6b **¶601996425**
IDC X 01 19 41 21.7–1.9 7.59S 128.22E 173–21 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=8.1km az=152.8.
IDC Error ellipse: s-maj=21.9km s-min=19.0km az=116.0.
ISC X 02 10 24 09.5–.47 7.59S–.05 128.17E–.05 142 4.1b 45 3-151
ISCJB X 02 10 24 08.6–.43 7.67S–.05 128.31E–.05 142 3.9b **¶601996793**
DJA X 02 10 24 11.9–.40 8S–4.0 128E–3.0 146–14 4.9b,4.7
IDC X 02 10 24 11.2–.80 7.48S 128.07E 162–7 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.8km az=38.4.
IDC Error ellipse: s-maj=13.7km s-min=9.6km az=92.0.
ISC X 02 11 16 39.3–.82 5.95S–.06 129.05E–.09 250 16 4-67
ISCJB X 02 11 16 40.4–.58 5.92S–.04 129.04E–.07 250 3.3b **¶601996796**
IDC X 02 11 16 40.0–1.2 5.67S 128.85E 276–17 4.1,3.4
DJA X 02 11 16 42.7–.60 6S–4.0 129E–4.0 228–18 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC X 02 17 24 58.5–.37 6.42S–.04 130.34E–.05 150 4.7b 110 2-151
IDC X 02 17 24 53.4–2.2 6.53S 130.01E 79–22 4.4,4.2 **¶601780650**
ISCJB X 02 17 24 57.6–.23 6.45S–.03 130.32E–.04 150 4.6b,4.2
BJI X 02 17 24 57.7 6.40S 130.24E 139 4.9b,4.6b
NEIC X 02 17 24 58.0–.66 6.40S 130.31E 134–7 4.7b,4.6b
DJA X 02 17 24 58.6–.40 6S–3.0 130E–4.0 130–10 5.3b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 03 09 21 56.2–.74 5.79S–.07 128.12E–.08 350 4.0b 23 2-66
ISCJB X 03 09 21 56.4–.48 5.83S–.05 128.22E–.06 350 3.8b **¶601996917**
IDC X 03 09 21 56.9–1.4 5.72S 127.90E 372–17 4.7,3.9
DJA X 03 09 22 00.4–.30 6S–3.0 128E–3.0 10 5.4b,4.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 03 11 36 31.0–.79 6.99S–.08 128.21E–.08 309 3.7b 16 6-83
ISCJB X 03 11 36 30.0–.69 6.81S–.06 128.10E–.06 309 3.7b **¶601996933**
IDC X 03 11 36 29.1–1.3 6.77S 128.19E 278–14 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.4km az=140.2.
IDC Error ellipse: s-maj=18.4km s-min=13.3km az=102.0.
DJA X 03 22 21 53.3–1.3 8S–9.0 124E–8.0 10 3.7,3.7
¶601996982
ISC X 04 09 46 55.4–.91 6.93S–.06 130.1E–.10 104 11 6-68
ISCJB X 04 09 46 56.3–1.1 6.90S–.07 130.00E–.08 104 4.3b **¶601997027**
IDC X 04 09 46 58.3–2.1 6.82S 129.90E 148–23 4.2,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=10.6km az=9.8.
IDC Error ellipse: s-maj=27.0km s-min=18.5km az=109.0.
IDC X 05 16 27 42.2–2.1 6.88S 128.85E 0 3.5,3.5b
¶601997176

IDC Error ellipse: s-maj=117.5km s-min=32.6km az=67.0.
ISC X 05 18 08 18.8–.25 6.74S–.03 129.58E–.03 150 4.7b 256 2-155
ISCJB X 05 18 08 17.2–.16 6.71S–.02 129.63E–.03 150 4.8b **¶601790341**
BJI X 05 18 08 18.0 6.64S 129.75E 163 4.8b,4.6b
NEIC X 05 18 08 19.9–.44 6.66S 129.55E 162–4 5.0b,4.6b
IDC X 05 18 08 20.1–1.3 6.66S 129.54E 160–11 4.7,4.2
DJA X 05 18 08 22.2–.20 7S–2.0 130E–2.0 147–3 5.4b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 07 02 43 28.3–2.0 6.59S 129.08E 0 3.8,3.8b
¶601997333

IDC Error ellipse: s-maj=111.1km s-min=31.0km az=67.0.
IDC X 07 10 14 08.4–1.9 6.59S 128.76E 0 3.7,3.7L
¶601997362

IDC Error ellipse: s-maj=68.8km s-min=29.3km az=80.0.
ISC X 07 11 34 13.9–.50 7.47S–.04 124.93E–.04 382–5 4.3b 228 2-146
BJI X 07 11 34 09.4 7.76S 125.24E 383 4.5b,4.5b **¶601794227**
ISCJB X 07 11 34 13.4–.23 7.50S–.03 124.94E–.03 393–2 4.4b,4.5b
IDC X 07 11 34 13.3–.67 7.43S 124.96E 376–7 4.7,4.0
NEIC X 07 11 34 14.2–.29 7.44S 124.93E 383–3 4.5b,4.0
DJA X 07 11 34 19.2–2.3 7S–16 125E–5.0 305–42 5.0b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 07 18 36 02.0–13 7.62S 129.18E 135–152 4.1L,3.8
¶601997404

IDC Error ellipse: s-maj=87.5km s-min=52.5km az=7.0.
ISC X 08 05 07 07.7–.62 6.65S–.05 130.29E–.07 146 4.8b 32 2-68
ISCJB X 08 05 07 06.9–.43 6.64S–.04 130.29E–.05 146 4.8b **¶601997455**
NEIC X 08 05 07 08.4–.94 6.68S 130.44E 147–11 4.6b
IDC X 08 05 07 08.3–2.7 6.67S 130.11E 124–36 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=169.2.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.0km az=76.0.
IDC Error ellipse: s-maj=71.9km s-min=20.6km az=89.0.
ISC X 08 11 43 34.1–.34 4.54S–.02 129.24E–.03 30–2 6.2b,6.0s 2020 1-178
IDC X 08 11 43 29.7–.28 4.50S 129.10E 0 5.9,5.9 **¶601795099**
NEIC X 08 11 43 31.4–.08 4.47S 129.13E 10 6.6,6.3W
ISCJB X 08 11 43 33.0–.49 4.49S–.02 129.24E–.01 33–3 6.1b,6.0s
BJI X 08 11 43 33.6 4.44S 129.21E 29 6.4b,6.0b
MOS X 08 11 43 34.0–1.1 4.45S 129.04E 38 6.5b,5.9s
DJA X 08 11 43 35.9–.30 4S–1.0 129E–1.0 35–3 6.6b,6.3
NEIC X 08 11 43 35.0–.00 4.44S 129.47E 11 6.6b,6.3
GCMT X 08 11 43 35.4–.10 4.57S 129.15E 12 6.2W,6.3
NEIC X 08 11 43 44.6–.00 4.67S 129.02E 21 6.2W,6.3
ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=8.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=55.0. Felt [IV] on Pulau Banda Besar and [III] on Pulau Ambon, Indonesia. Depth from synthetics of broadband displacement seismograms. Apparent Stress 2.39 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.65 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.14 Best double couple: NP1:ϕ_s150.00000°,δ41.00000°,λ117.00000°. NP2: ϕ_s297.00000°,δ55.00000°,λ69.00000°. Principal axes: T 1.7400,Plg71.0000°,Azm154.0000° ; N -0.1800,Plg17.0000°,Azm309.0000°; P -1.5600,Plg7.0000°,Azm42.0000° $M_0$1.60000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=38.4.
MOS Error ellipse: s-maj=7.4km s-min=4.4km az=111.8.
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}1.82 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.34 $M_{\theta\phi}$0.96 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s138.00000° ,δ55.00000°,λ97.00000°. NP2:ϕ_s305.00000°,δ36.00000°,λ80.00000°. Principal axes: T 1.9500,Plg78.0000°,Azm74.0000°; N 0.0300,Plg5.0000°,Azm313.0000° ; P -1.9800,Plg9.0000°,Azm222.0000° $M_0$2.00000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c334; s148,c598; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-1.73±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$0.45±.03; $M_{\theta\phi}$1.14±.01; $M_{\phi r}$0.03±.03; Best double couple: NP1:ϕ_s114.00000°,δ50.00000° ,λ81.00000°. NP2:ϕ_s308.00000°,δ41.00000°,λ100.00000°. Principal axes: T 2.3090,Plg82.0000°,Azm334.0000°; N 0.1370,Plg7.0000°,Azm120.0000° ; P -2.4440,Plg5.0000°,Azm211.0000° $M_0$2.37700×10^{18}
NEIC Event type se. Moment Tensor Solution. s92 Moment tensor: Scale 10^{18}Nm; M_{rr}2.74 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-0.91 $M_{r\theta}$-0.57 $M_{\theta\phi}$1.25 $M_{\phi r}$1.03 Best double couple: NP1:ϕ_s315.00000° ,δ56.00000°,λ101.00000°. NP2:ϕ_s116.00000°,δ35.00000°,λ74.00000°. Principal axes: T 3.0200,Plg76.0000°,Azm258.0000°; N -0.1200,Plg9.0000°,Azm128.0000° ; P -2.9000,Plg11.0000°,Azm37.0000° $M_0$3.00000×10^{18}
IDC X 08 11 54 41.2–1.8 4.50S 128.90E 0 3.8,3.7
¶601997499

IDC Error ellipse: s-maj=57.4km s-min=28.9km az=83.0.
ISC X 08 11 55 40.0–.54 4.53S–.06 129.45E–.05 35 4.2b 50 0-149
IDC X 08 11 55 35.4–.78 4.49S 129.22E 0 4.3,4.2 **¶601997502**
NEIC X 08 11 55 37.2–.34 4.40S 129.28E 10 4.4b,4.2
ISCJB X 08 11 55 38.3–.32 4.46S–.04 129.31E–.04 33 4.2b,4.2
DJA X 08 11 55 39.9–.40 5S–3.0 129E–3.0 22–5 5.1b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 00 51.8–.31 4.60S–.04 129.24E–.05 40 4.9b 201 1-153
IDC X 08 12 00 46.1–.43 4.57S 129.12E 0 4.8,4.7 **¶601795299**
NEIC X 08 12 00 48.1–.18 4.48S 129.19E 10 5.0b,4.7
BJI X 08 12 00 49.3 4.85S 129.55E 60 5.6s,5.4
MOS X 08 12 00 49.8–1.1 4.53S 129.14E 36 5.2b,5.4
DJA X 08 12 00 49.9–.20 4S–3.0 129E–2.0 10 5.3b,5.3
ISCJB X 08 12 00 50.1–.20 4.54S–.03 129.23E–.03 40 4.9b,5.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 02 13.8–.47 4.58S–.06 129.32E–.09 40 4.7b 50 3-149
IDC X 08 12 02 08.5–.66 4.54S 129.19E 0 4.8,4.7 **¶601997503**
NEIC X 08 12 02 10.2–.25 4.53S 129.13E 10 4.8b,4.7
ISCJB X 08 12 02 12.6–.32 4.51S–.04 129.28E–.06 40 4.7b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 06 49.4–.64 4.53S–.07 129.26E–.08 40 4.2b 26 3-96
IDC X 08 12 06 44.3–.93 4.52S 129.15E 0 4.3,4.3b **¶601997504**
NEIC X 08 12 06 45.7–.41 4.55S 129.16E 10 4.3b,4.3b
ISCJB X 08 12 06 47.4–.43 4.52S–.05 129.25E–.07 40 4.3b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 14 34.5–.60 4.50S–.06 129.32E–.07 35 4.0b 23 1-149
IDC X 08 12 14 29.9–.68 4.44S 129.31E 0 4.2,4.2L **¶601997508**
ISCJB X 08 12 14 33.0–.46 4.49S–.06 129.25E–.06 33 3.9b,4.2L
DJA X 08 12 14 33.5–.30 4S–4.0 129E–3.0 10 4.6b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 08 12 15 37.3–.61 4.56S–.08 129.23E–.09 35 4.1b 31 3-149
IDC X 08 12 15 32.4–.79 4.53S 129.26E 0 4.2,4.2L **¶601997511**
NEIC X 08 12 15 33.9–.42 4.57S 129.25E 10 4.0b,4.2L
ISCJB X 08 12 15 35.3–.41 4.60S–.05 129.20E–.06 33 4.0b,4.2L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 17 27.1–.93 4.40S–.09 129.4E–.20 35 4.1b 10 4-69
IDC X 08 12 17 22.3–1.3 4.40S 129.25E 0 4.2,4.1 **¶601997512**
ISCJB X 08 12 17 24.9–.74 4.41S–.07 129.3E–.10 33 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC X 08 12 20 09.8–1.7 4.46S 129.11E 0 4.3,4.3s
¶601795301
IDC Error ellipse: s-maj=47.8km s-min=30.6km az=76.0.
ISC X 08 12 20 51.9–.32 4.54S–.04 129.29E–.05 35 4.9b 177 1-153
IDC X 08 12 20 46.8–.46 4.53S 129.18E 0 4.8,4.7 **¶601997515**
NEIC X 08 12 20 48.8–.23 4.45S 129.23E 10 4.9b,4.7
ISCJB X 08 12 20 50.3–.17 4.48S–.02 129.23E–.03 33 4.8b,4.7
BJI X 08 12 20 50.4 4.50S 129.20E 35 5.4b,5.0s
DJA X 08 12 20 51.0–.20 4S–3.0 129E–2.0 10 5.6b,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 25 11.7–.52 4.64S–.07 129.36E–.08 35 4.3b 51 3-149
NEIC X 08 12 25 08.0–.35 4.69S 129.38E 10 4.6b **¶601997517**
IDC X 08 12 25 07.8–.84 4.47S 129.29E 0 4.3,4.3L
ISCJB X 08 12 25 08.9–.36 4.71S–.04 129.38E–.06 33 4.2b,4.3L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 12 31 00.9–.47 4.50S–.05 129.28E–.07 35 4.4b 63 1-149
IDC X 08 12 30 55.8–.58 4.49S 129.30E 0 4.4,4.4L **¶601795302**
NEIC X 08 12 30 57.9–.31 4.42S 129.32E 10 4.5b,4.4L
ISCJB X 08 12 30 59.2–.27 4.46S–.03 129.29E–.04 33 4.3b,4.4L
DJA X 08 12 30 59.9–.30 4S–4.0 129E–3.0 10 4.7b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 08 12 54 50.4–1.4 4.45S 129.18E 0 4.0,4.0
¶601997525
IDC Error ellipse: s-maj=39.7km s-min=29.3km az=83.0.
ISC X 08 13 10 26.3–.38 4.55S–.05 129.33E–.06 35 4.7b 95 1-153
BJI X 08 13 10 21.0 4.92S 129.67E 34 5.1b,4.7b **¶601795304**
IDC X 08 13 10 21.5–.54 4.54S 129.29E 0 4.7L,4.6
NEIC X 08 13 10 23.1–.25 4.47S 129.33E 10 4.6b,4.6
ISCJB X 08 13 10 24.4–.23 4.54S–.03 129.33E–.03 33 4.6b,3.9s
DJA X 08 13 10 25.5–.70 4S–3.0 129E–2.0 13–6 5.0b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 08 14 02 00.6–1.6 4.50S 129.24E 0 3.3,3.3b
¶601997532
IDC Error ellipse: s-maj=49.8km s-min=25.4km az=89.0.
IDC X 08 14 16 55.3–1.6 4.45S 129.14E 0 3.4,3.3b
¶601997535
IDC Error ellipse: s-maj=47.5km s-min=25.5km az=89.0.
ISC X 08 14 19 36.2–.44 4.52S–.05 129.25E–.05 40 4.6b 94 1-149
BJI X 08 14 19 29.7 5.03S 129.49E 35 5.0b,4.7b **¶601795305**
IDC X 08 14 19 30.6–.64 4.52S 129.19E 0 4.4,4.4
NEIC X 08 14 19 32.6–.29 4.44S 129.23E 10 4.5b,4.4
ISCJB X 08 14 19 34.3–.25 4.54S–.03 129.24E–.04 40 4.5b,4.0s
DJA X 08 14 19 34.4–.30 4S–4.0 129E–3.0 10 5.3b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 08 14 21 53.8–.94 4.43S–.10 129.3E–.20 40 4.0b 10 4-76
IDC X 08 14 21 48.2–1.2 4.40S 129.21E 0 4.0,3.9 **¶601997536**
ISCJB X 08 14 21 51.7–.72 4.43S–.07 129.3E–.10 40 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC X 08 14 23 33.4–1.3 4.40S 129.20E 0 3.9,3.7
¶601997537
IDC Error ellipse: s-maj=34.7km s-min=20.8km az=66.0.
ISC X 08 14 38 52.2–.93 4.57S–.09 129.21E–.07 40 3.7b 10 1-66
DJA X 08 14 38 47.7–2.1 5S–26 129E–5.0 34–15 4.5b,4.0 **¶601997538**
IDC X 08 14 38 48.7–1.6 4.50S 129.17E 0 3.9,3.9s
ISCJB X 08 14 38 51.4–.84 4.44S–.08 129.23E–.06 40 3.8s,3.6b
ISC Event type ke.
ISCJB Event type ke.
IDC X 08 14 43 24.0–1.5 4.41S 129.24E 0 3.8,3.7
¶601997542
IDC Error ellipse: s-maj=39.9km s-min=27.5km az=89.0.
IDC X 08 15 14 08.8–2.2 6.27S 129.66E 0 3.6b,3.6
¶601997546
IDC Error ellipse: s-maj=92.6km s-min=28.3km az=76.0.
ISC X 08 18 47 08.4–.85 4.69S–.08 129.40E–.09 35 3.7b 15 1-69
ISCJB X 08 18 47 06.2–.55 4.65S–.06 129.28E–.06 33 3.6b **¶601997564**
DJA X 08 18 47 07.1–1.0 4S–21 129E–5.0 10–17 4.8b,4.8b
IDC X 08 18 47 08.2–2.2 4.74S 129.63E 53–27 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.4km az=31.4.

IDC Error ellipse: s-maj=45.3km s-min=15.5km az=113.0.
ISC X 08 22 26 07.2–.84 4.61S–.04 129.27E–.04 18–3 5.0b 214 1-156
NEIC X 08 22 26 06.0–.18 4.51S 129.29E 10 5.0b **¶601795698**
MOS X 08 22 26 07.5–.91 4.55S 129.17E 33 5.2b
DJA X 08 22 26 07.4–.60 5S–3.0 129E–2.0 13–6 5.2b,5.1b
ISCJB X 08 22 26 07.5–.51 4.61S–.03 129.24E–.03 35–4 4.9b,3.3s
BJI X 08 22 26 07.6 4.50S 129.30E 35 5.1b,5.0b
IDC X 08 22 26 10.3–2.2 4.58S 129.25E 43–20 4.8L,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=71.0.
MOS Error ellipse: s-maj=12.6km s-min=5.8km az=114.8.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=146.9.
IDC Error ellipse: s-maj=18.0km s-min=11.2km az=72.0.
ISC X 08 22 51 31.5–.75 4.58S–.07 129.23E–.05 35 4.1b 18 1-69
IDC X 08 22 51 27.3–1.1 4.57S 129.22E 0 4.0,4.0b **¶601997575**
ISCJB X 08 22 51 29.4–.56 4.61S–.06 129.20E–.05 33 4.1b,4.0b
DJA X 08 22 51 31.9–.60 4S–10 129E–5.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 08 22 56 34.6–1.1 4.47S–.09 129.32E–.07 35 9 1-66
IDC X 08 22 56 30.3–1.7 4.50S 129.21E 0 3.9,3.8 **¶601997576**
ISCJB X 08 22 56 33.2–.87 4.45S–.08 129.31E–.06 33 3.8b,3.8
DJA X 08 22 56 33.8–.80 4S–12 129E–6.0 10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 08 23 05 46.9–.49 4.49S–.06 129.35E–.06 40 4.2b 57 1-149
IDC X 08 23 05 41.9–.66 4.44S 129.24E 0 4.6L,4.2 **¶601810587**
NEIC X 08 23 05 43.5–.29 4.46S 129.27E 10 4.0b,4.2
ISCJB X 08 23 05 45.3–.31 4.50S–.04 129.28E–.05 40 4.2b,3.6s
DJA X 08 23 05 45.0–.30 4S–4.0 129E–3.0 10 5.6b,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 09 02 45 30.2–1.4 4.56S 129.05E 0 4.0,3.8
¶601997595
IDC Error ellipse: s-maj=46.5km s-min=24.7km az=83.0.
ISC X 09 11 15 18.8–1.0 7.2S–.10 127.0E–.10 350 11 4-67
DJA X 09 11 15 18.3–1.4 7S–9.0 127E–8.0 321–33 4.0,3.9 **¶601997653**
ISCJB X 09 11 15 19.8–1.3 7.3S–.10 126.9E–.10 350 3.2b,3.9
IDC X 09 11 15 21.0–5.4 7.27S 126.81E 338–62 3.3,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=14.6km az=171.0.
IDC Error ellipse: s-maj=87.6km s-min=22.4km az=50.0.
IDC X 09 13 01 01.5–1.7 5.29S 129.15E 0 3.7,3.6b
¶601997658
IDC Error ellipse: s-maj=64.6km s-min=27.6km az=81.0.
IDC X 09 18 34 20.9–1.8 4.45S 128.88E 0 3.5,3.4
¶601819234
IDC Error ellipse: s-maj=58.9km s-min=29.0km az=82.0.
ISC X 09 18 34 48.2–.30 4.57S–.04 129.33E–.05 35 4.8b 225 1-128
BJI X 09 18 34 43.3 5.09S 129.57E 48 5.1b,4.7b **¶601997685**
IDC X 09 18 34 43.5–.58 4.55S 129.11E 0 4.6,4.5
MOS X 09 18 34 44.7–1.0 4.47S 129.30E 21 5.1b,4.5
NEIC X 09 18 34 45.0–.20 4.47S 129.29E 10 4.9b,4.5
ISCJB X 09 18 34 46.5–.18 4.52S–.03 129.29E–.02 33 4.8b,4.5
DJA X 09 18 34 48.6–.40 4S–2.0 129E–2.0 20–5 5.2b,4.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 09 20 09 21.2–.99 4.62S–.08 129.14E–.06 40 12 1-66
IDC X 09 20 09 16.9–1.5 4.59S 129.25E 0 3.8b,3.6 **¶601997689**
ISCJB X 09 20 09 19.6–.71 4.59S–.06 129.13E–.05 40 3.7b,3.6
DJA X 09 20 09 19.5–.90 5S–11 129E–3.0 23–9 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC X 09 22 41 46.1–1.6 4.44S 129.04E 0 3.5,3.4
¶601997696
IDC Error ellipse: s-maj=46.1km s-min=25.1km az=89.0.
IDC X 10 03 55 59.4–2.4 6.80S 129.68E 0 4.1,3.9
¶601997711
IDC Error ellipse: s-maj=102.5km s-min=28.6km az=76.0.
ISC X 10 13 54 02.1–.62 4.51S–.06 129.37E–.06 35 4.0b 30 1-76
IDC X 10 13 53 57.6–.93 4.45S 129.25E 0 4.0,3.9 **¶601839065**
NEIC X 10 13 53 59.4–.40 4.43S 129.33E 10 4.0b,3.9
ISCJB X 10 13 54 00.3–.38 4.52S–.04 129.28E–.05 33 3.8b,3.9
DJA X 10 13 54 00.8–.90 4S–11 129E–5.0 10 4.5b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 10 14 06 09.2–2.3 4.88S 128.20E 0 3.7,3.5
¶601997767
IDC Error ellipse: s-maj=159.1km s-min=31.4km az=67.0.
ISC X 10 16 31 50.7–.87 4.90S–.07 126.69E–.06 10 18 2-65
ISCJB X 10 16 31 48.2–.48 4.84S–.04 126.62E–.03 10 3.5b **¶601997781**
IDC X 10 16 31 51.2–1.4 5.04S 126.87E 0 3.8,3.7
DJA X 10 16 31 52.4–2.4 5S–4.0 127E–2.0 27–30 4.9b,4.3b
ISC Event type ke.
ISCJB Event type ke.
DJA X 10 22 25 23.9–.80 6S–4.0 129E–5.0 290–14 4.7b,4.1
¶601997808
ISC X 11 00 30 40.1–1.0 4.75S–.08 129.01E–.06 10 11 1-70
DJA X 11 00 30 40.2–1.7 5S–15 129E–6.0 24–12 3.7,3.7 **¶601997816**
ISCJB X 11 00 30 42.2–.70 4.66S–.05 129.10E–.05 10 3.6b,3.7
IDC X 11 00 30 45.4–1.4 4.84S 128.86E 0 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.6km az=27.8.
IDC Error ellipse: s-maj=54.6km s-min=24.8km az=85.0.
ISC X 11 02 07 09.9–.72 7.00S–.06 129.7E–.10 139 3.9b 17 6-151
ISCJB X 11 02 07 09.4–.64 6.90S–.06 129.63E–.08 139 3.8b **¶601997826**
IDC X 11 02 07 10.4–2.1 6.89S 129.61E 131–19 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.9km az=7.9.
IDC Error ellipse: s-maj=22.4km s-min=16.3km az=89.0.
ISC X 11 04 34 52.9–.78 4.48S–.08 125.6E–.10 441 3.5b 20 2-124
ISCJB X 11 04 34 52.4–.49 4.46S–.06 125.55E–.08 441 3.6b **¶601825983**
DJA X 11 04 34 52.4–.70 4S–4.0 126E–5.0 463–13 4.5b,4.2b
IDC X 11 04 34 53.0–1.6 4.34S 125.62E 437–22 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.5km az=0.2.
IDC Error ellipse: s-maj=31.4km s-min=14.5km az=65.0.
ISC X 11 14 16 54.7–.95 4.39S–.07 129.25E–.05 35 14 1-66
IDC X 11 14 16 50.0–1.6 4.46S 129.24E 0 4.1,4.0 **¶601997896**
DJA X 11 14 16 51.5–1.2 5S–14 129E–4.0 19–9 3.7,3.7
ISCJB X 11 14 16 52.8–.60 4.48S–.06 129.21E–.05 33 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 11 16 44 57.2–1.5 5.60S–.09 128.82E–.07 10 14 2-66
ISCJB X 11 16 44 55.4–.65 5.64S–.05 128.80E–.05 10 3.8b **¶601997909**
DJA X 11 16 45 00.1–.30 6S–3.0 129E–3.0 51–14 5.1b,4.4
IDC X 11 16 45 07.6–2.6 4.11S 129.93E 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.2km az=140.0.
IDC Error ellipse: s-maj=136.0km s-min=25.7km az=65.0.
ISC X 11 17 09 08.0–.78 4.49S–.07 129.38E–.08 40 4.0b 29 1-66
IDC X 11 17 09 02.6–1.1 4.45S 129.12E 0 4.2,4.1 **¶601997911**
ISCJB X 11 17 09 07.5–.48 4.41S–.05 129.34E–.04 40 3.9b,4.1
DJA X 11 17 09 07.9–.80 4S–4.0 129E–3.0 10–9 5.0b,4.4b
ISC Event type ke.
ISCJB Event type ke.
IDC X 11 20 50 01.4–2.1 6.62S 129.34E 0 3.6,3.5b
¶601997928

IDC Error ellipse: s-maj=109.3km s-min=28.9km az=64.0.
IDC X 12 02 17 12.8–1.4 6.78S 128.94E 0 4.2,4.1L
¶601997948

IDC Error ellipse: s-maj=75.7km s-min=27.4km az=74.0.
IDC X 12 08 04 30.8–2.7 6.33S 130.16E 133–36 4.0,3.7b
¶601997978

IDC Error ellipse: s-maj=70.4km s-min=20.4km az=88.0.
IDC X 12 09 31 47.9–2.8 6.37S 130.30E 101–37 3.9,3.8b
¶601997987

IDC Error ellipse: s-maj=71.6km s-min=21.7km az=89.0.
ISC X 12 13 04 51.8–1.3 7.3S–.10 123.3E–.20 250 14 2-65
IDC X 12 13 04 50.9–3.9 7.23S 123.49E 248–43 4.0,3.5 **¶601998007**
DJA X 12 13 04 54.3–1.4 8S–13 123E–7.0 263–18 3.5,3.5
ISC Event type ke.
IDC X 12 23 42 02.6–1.8 4.46S 128.84E 0 3.4,3.4b
¶601998063

IDC Error ellipse: s-maj=57.6km s-min=28.6km az=83.0.
IDC X 13 01 20 39.9–1.6 7.19S 128.38E 0 4.1,4.0b
¶601998069

IDC Error ellipse: s-maj=124.7km s-min=29.3km az=67.0.
IDC X 13 04 48 07.0–2.5 6.64S 130.97E 49–35 4.2,4.2
¶601998084

IDC Error ellipse: s-maj=75.8km s-min=24.2km az=89.0.
ISC X 13 13 13 53.1–.62 7.39S–.06 129.68E–.08 150 3.9b 35 5-129
ISCJB X 13 13 13 52.3–.42 7.31S–.04 129.59E–.06 150 4.0b **¶601833169**
IDC X 13 13 13 52.5–2.1 7.23S 129.59E 128–21 4.2,4.0
DJA X 13 13 13 55.0–.70 7S–3.0 130E–4.0 93–58 5.2b,5.1
ISC Event type ke.
ISCJB Event type ke.
ISC X 13 19 36 07.8–1.1 7.92S–.09 128.79E–.07 200 21 2-68
IDC X 13 19 35 49.5–2.0 6.80S 129.28E 0 3.9,3.8L **¶601998147**
ISCJB X 13 19 36 07.2–.79 7.87S–.07 128.75E–.06 200 3.3b,3.8L
NEIC X 13 19 36 07.8–.80 7.83S 128.78E 187–9 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=112.1km s-min=31.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=40.1.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=216.0.
IDC X 14 03 04 58.4–2.4 6.66S 130.02E 152–34 3.5,3.3b
¶601998175

IDC Error ellipse: s-maj=66.0km s-min=16.5km az=91.0.
ISC X 14 07 29 14.6–.90 7.37S–.06 129.75E–.10 100 11 7-68
ISCJB X 14 07 29 13.9–.85 7.29S–.06 129.62E–.08 100 3.9b **¶601998191**
IDC X 14 07 29 16.1–2.3 7.28S 129.66E 111–26 4.2,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=8.9km az=8.6.
IDC Error ellipse: s-maj=38.5km s-min=21.5km az=94.0.
ISC X 14 14 17 10.2–.88 6.80S–.05 130.62E–.09 150 15 1-68
ISCJB X 14 14 17 09.7–.59 6.82S–.04 130.52E–.07 150 3.5b **¶601998218**
IDC X 14 14 17 10.8–2.3 6.86S 130.74E 129–26 3.9,3.5
DJA X 14 14 17 12.4–.60 7S–3.0 131E–6.0 137–19 4.9b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC X 15 13 07 50.9–.52 5.26S–.05 131.37E–.05 47 4.2b 55 2-151
IDC X 15 13 07 45.9–.78 5.34S 130.98E 0 4.2,4.2 **¶601834634**
ISCJB X 15 13 07 48.5–.32 5.43S–.03 131.40E–.04 47 4.2b,4.2
NEIC X 15 13 07 52.2–1.0 5.31S 131.38E 59–10 4.2b,4.2
DJA X 15 13 07 56.7–.40 5S–3.0 131E–2.0 60–19 5.1b,4.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 15 18 03 35.2–1.9 6.95S 129.08E 0 3.7,3.6
¶601998361

IDC Error ellipse: s-maj=50.0km s-min=27.0km az=81.0.
IDC X 16 05 27 16.4–1.8 5.33S 130.92E 0 3.9,3.8b
¶601998461

IDC Error ellipse: s-maj=76.7km s-min=24.6km az=85.0.
ISC X 16 09 25 19.3–1.0 7.25S–.08 129.7E–.10 150 9 7-68
ISCJB X 16 09 25 18.3–.85 7.17S–.07 129.60E–.08 150 4.1b **¶601998488**
IDC X 16 09 25 18.9–2.1 7.16S 129.60E 133–23 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=9.7km az=2.4.
IDC Error ellipse: s-maj=23.4km s-min=17.9km az=93.0.
ISC X 17 00 54 40.6–.47 6.41S–.04 130.10E–.06 146 4.0b 52 2-151
ISCJB X 17 00 54 39.8–.33 6.46S–.03 130.01E–.04 146 3.9b **¶601837351**
DJA X 17 00 54 40.5–.40 6S–5.0 130E–5.0 204–21 5.0b,4.7
NEIC X 17 00 54 41.0–.94 6.41S 129.93E 136–11 4.2b,4.7
IDC X 17 00 54 42.0–1.8 6.33S 129.99E 148–16 4.3,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=1.5.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.0km az=91.0.
IDC Error ellipse: s-maj=22.9km s-min=11.4km az=78.0.
IDC X 17 07 52 50.3–2.6 6.09S 129.46E 155–30 4.2,3.8
¶601998635

IDC Error ellipse: s-maj=39.4km s-min=17.1km az=77.0.
ISC X 17 10 38 19.7–.68 7.03S–.07 125.9E–.10 488 3.6b 17 4-66
ISCJB X 17 10 38 18.9–.59 6.97S–.05 125.80E–.09 488 3.6b **¶601838253**
IDC X 17 10 38 20.6–.88 7.09S 125.87E 505–11 4.1,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.9km az=3.6.
IDC Error ellipse: s-maj=18.9km s-min=10.3km az=76.0.
IDC X 18 14 34 25.7–2.2 6.96S 129.19E 0 3.6b,3.5
¶601998809

IDC Error ellipse: s-maj=124.6km s-min=32.5km az=67.0.
IDC X 18 20 45 46.6–9.1 7.94S 129.62E 250–104 3.3,2.9b
¶601998844

IDC Error ellipse: s-maj=66.9km s-min=42.9km az=37.0.
ISC X 18 23 01 20.8–.73 7.10S–.06 129.79E–.09 150 3.8b 16 6-151
IDC X 18 23 01 20.6–2.2 6.99S 129.63E 118–21 4.2,3.9 **¶601998859**
ISCJB X 18 23 01 21.1–.71 7.01S–.06 129.64E–.08 150 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA X 19 19 34 25.7–1.0 7S–8.0 126E–9.0 256–13 3.5,3.5
¶601998965

ISC X 19 20 44 55.0–1.0 7.99S–.06 124.0E–.10 35 17 2-72
IDC X 19 20 44 51.6–1.7 7.79S 124.29E 0 4.1,4.0 **¶601998971**
ISCJB X 19 20 44 52.9–.70 8.02S–.07 123.86E–.09 33 3.6b,3.2s
DJA X 19 20 44 54.0–.40 8S–4.0 124E–5.0 10 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC X 20 01 04 26.9–2.0 6.78S 128.74E 0 4.3,4.2L
¶601998987

IDC Error ellipse: s-maj=52.1km s-min=27.5km az=79.0.
IDC X 20 01 20 51.7–2.2 6.51S 129.98E 0 3.6,3.6L
¶601998991

IDC Error ellipse: s-maj=131.7km s-min=31.2km az=69.0.
ISC X 20 12 52 50.7–.77 6.93S–.08 126.0E–.20 488 3.6b 12 4-70
ISCJB X 20 12 52 49.7–.62 6.83S–.07 126.0E–.10 488 3.6b **¶601999043**
IDC X 20 12 52 51.2–.94 6.92S 125.89E 501–16 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=9.0km az=6.0.
IDC Error ellipse: s-maj=25.5km s-min=18.7km az=81.0.
IDC X 21 00 16 23.3–2.0 5.63S 129.32E 229–26 3.8,3.2
¶601999103

IDC Error ellipse: s-maj=40.4km s-min=12.9km az=82.0.
ISC X 21 09 42 25.6–.72 7.33S–.05 129.60E–.06 150 32 2-151
ISCJB X 21 09 42 24.8–.49 7.32S–.03 129.68E–.05 150 4.0b **¶601866977**
IDC X 21 09 42 24.6–1.8 7.22S 129.64E 119–19 4.2,3.9
NEIC X 21 09 42 27.0–.83 7.31S 129.57E 146–11 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=168.6.
IDC Error ellipse: s-maj=27.7km s-min=14.9km az=97.0.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.7km az=88.0.
IDC X 21 14 36 28.0–4.0 4.69S 127.45E 380–54 3.5,3.1b
¶606857473

IDC Error ellipse: s-maj=52.2km s-min=24.5km az=59.0.
ISC X 21 15 30 44.6–.34 7.40S–.04 128.62E–.05 151 4.5b 167 3-151
BJI X 21 15 30 39.7 7.80S 129.04E 159 4.8b,4.8b **¶601839961**
ISCJB X 21 15 30 43.2–.21 7.41S–.03 128.64E–.03 151 4.5b,4.8b
IDC X 21 15 30 44.9–1.4 7.31S 128.52E 145–13 4.6,4.2
NEIC X 21 15 30 45.3–.41 7.32S 128.58E 156–4 4.6b,4.2
DJA X 21 15 30 46.6–.20 8S–2.0 129E–2.0 125–6 5.3b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 21 19 14 20.2–.48 5.46S–.05 128.21E–.06 350 3.7b 73 2-69
ISCJB X 21 19 14 19.4–.26 5.46S–.03 128.22E–.04 350 3.7b **¶601840548**
NEIC X 21 19 14 21.0–.38 5.45S 128.20E 366–5 4.2b
IDC X 21 19 14 21.2–1.2 5.50S 128.13E 361–14 4.3,3.6
DJA X 21 19 14 22.1–.30 5S–2.0 128E–3.0 333–4 4.8b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 22 02 27 05.6–2.8 6.65S 130.00E 127–38 3.5,3.2b
¶601999239

IDC Error ellipse: s-maj=67.5km s-min=21.3km az=89.0.
IDC X 22 14 17 18.9–2.2 6.77S 129.76E 0 3.9,3.9b
¶601999282

IDC Error ellipse: s-maj=144.4km s-min=31.0km az=69.0.
IDC X 22 19 53 00.7–5.1 6.54S 127.54E 390–60 3.8,3.0
¶601999304

IDC Error ellipse: s-maj=79.3km s-min=19.1km az=51.0.
ISC X 22 21 11 21.3–.92 7.59S–.06 128.83E–.10 131 11 6-68
ISCJB X 22 21 11 20.8–.76 7.49S–.05 128.76E–.07 131 3.0b **¶601999308**
IDC X 22 21 11 22.4–1.6 7.41S 128.64E 146–21 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.0km az=16.0.
IDC Error ellipse: s-maj=25.5km s-min=13.5km az=121.0.
IDC X 23 17 16 55.9–2.8 6.58S 130.06E 109–36 3.7b,3.7
¶601999391

IDC Error ellipse: s-maj=69.8km s-min=21.2km az=89.0.
ISC X 23 18 42 47.6–.97 6.63S–.07 130.2E–.10 146 10 6-68
ISCJB X 23 18 42 48.0–.91 6.57S–.07 130.05E–.09 146 3.4b **¶601999400**
IDC X 23 18 42 48.9–2.2 6.54S 130.06E 133–27 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.7km az=6.7.
IDC Error ellipse: s-maj=39.1km s-min=20.3km az=95.0.
ISC X 23 19 07 01.6–.83 7.63S–.06 129.93E–.10 50 3.8b 13 7-73
ISCJB X 23 19 06 59.5–.70 7.51S–.05 129.85E–.08 50 3.8b,3.5s **¶601999402**
IDC X 23 19 07 04.2–2.3 7.55S 129.87E 84–26 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.0km az=8.1.
IDC Error ellipse: s-maj=35.0km s-min=22.7km az=91.0.
ISC X 23 21 36 53.7–.72 6.92S–.07 125.6E–.10 488 3.5b 26 4-153
ISCJB X 23 21 36 52.9–.41 6.88S–.05 125.44E–.07 488 3.5b **¶601999416**
IDC X 23 21 36 55.3–1.2 6.87S 125.77E 521–16 4.2,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=164.3.
IDC Error ellipse: s-maj=24.3km s-min=15.3km az=83.0.
IDC X 24 04 31 45.0–2.0 6.92S 128.83E 0 3.9,3.8L
¶601999446

IDC Error ellipse: s-maj=84.2km s-min=27.3km az=75.0.
IDC X 24 07 29 16.6–4.5 5.41S 129.15E 328–50 3.5,3.3b
¶601999461

IDC Error ellipse: s-maj=111.8km s-min=15.8km az=71.0.
DJA X 24 16 52 11.5–.60 6S–3.0 130E–4.0 99–11 4.7b,4.3b
¶601999507

ISC X 25 01 39 42.7–.32 6.43S–.03 130.29E–.04 146 4.5b 143 2-151
BJI X 25 01 39 39.1 6.52S 130.92E 141 5.1b,4.7b **¶601846479**
IDC X 25 01 39 40.9–1.8 6.32S 130.29E 118–16 4.5,4.1
ISCJB X 25 01 39 41.1–.21 6.45S–.02 130.35E–.03 146 4.5b,4.1
DJA X 25 01 39 41.2–.20 6S–2.0 130E–2.0 160–4 5.3,5.2b
NEIC X 25 01 39 42.3–.49 6.41S 130.22E 133–5 4.6b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=9.6km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=178.8.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=67.0.
IDC X 26 22 07 15.2–7.2 7.50S 128.52E 155–72 4.0,3.6
¶601999774

IDC Error ellipse: s-maj=68.2km s-min=21.5km az=43.0.
IDC X 27 04 40 18.9–4.7 5.33S 131.95E 0 4.2b,3.8
¶601999802

IDC Error ellipse: s-maj=322.4km s-min=29.9km az=74.0.
ISC X 27 21 17 01.4–.40 7.08S–.05 123.46E–.07 632 4.2b 86 2-154
ISCJB X 27 21 17 00.3–.24 7.06S–.04 123.45E–.05 632 4.1b **¶601852939**
NEIC X 27 21 17 01.1–.36 7.06S 123.38E 621–6 4.4b
IDC X 27 21 17 01.2–.57 7.05S 123.40E 628–7 4.3,3.3
DJA X 27 21 17 02.2–.30 7S–4.0 124E–5.0 608–4 4.8b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 27 21 30 23.6–2.3 6.26S 130.30E 0 3.9b,3.7
¶601999863

IDC Error ellipse: s-maj=143.8km s-min=30.5km az=70.0.
ISC X 28 05 29 49.1–.49 7.50S–.05 128.88E–.07 131 4.1b 42 3-128
ISCJB X 28 05 29 49.3–.38 7.42S–.04 128.84E–.05 131 3.9b **¶601853284**
DJA X 28 05 29 51.8–.30 8S–3.0 129E–4.0 147–6 5.7b,5.3
IDC X 28 05 29 52.3–1.6 7.30S 128.78E 164–14 4.2,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=19.9.
IDC Error ellipse: s-maj=19.4km s-min=10.8km az=99.0.
IDC X 28 17 32 33.8–2.9 6.31S 130.42E 91–37 3.3,3.2
¶602000114

IDC Error ellipse: s-maj=69.9km s-min=22.1km az=89.0.
ISC X 28 18 31 11.3–.47 7.13S–.05 128.07E–.07 250 3.8b 48 3-152
DJA X 28 18 31 09.7–.50 7S–4.0 128E–3.0 276–14 4.9b,4.7 **¶602000120**
ISCJB X 28 18 31 10.2–.31 7.11S–.04 128.02E–.04 250 3.6b,4.7
IDC X 28 18 31 10.5–1.4 7.10S 128.00E 228–13 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=17.2.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=73.0.
ISC X 28 22 55 22.2–.70 6.38S–.06 130.19E–.08 146 4.1b 25 2-73
ISCJB X 28 22 55 22.0–.43 6.46S–.04 130.21E–.06 146 3.9b **¶602000164**
IDC X 28 22 55 22.4–2.0 6.32S 130.19E 143–21 4.4,4.0
DJA X 28 22 55 24.0–.40 6S–4.0 130E–4.0 172–15 6.5,5.2b
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 07 01 10.5–2.8 7.9S–.20 123.6E–.10 35 11 2-66
DJA X 29 07 01 12.2–1.5 8S–16 124E–4.0 29–22 3.2,3.2 **¶602000233**
IDC X 29 07 01 14.0–1.7 8.27S 124.28E 0 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=20.5km az=81.0.
IDC X 29 07 02 10.4–2.3 6.55S 129.99E 0 3.6,3.6b
¶602000234

IDC Error ellipse: s-maj=91.4km s-min=29.6km az=77.0.
DJA X 29 12 05 39.6–1.3 8S–7.0 124E–6.0 14–7 3.6,3.6
¶602000278

ISC X 29 21 09 25.5–.76 7.80S–.06 128.17E–.05 150 24 3-68
ISCJB X 29 21 09 25.5–.45 7.67S–.04 128.11E–.04 150 3.3b **¶602000357**
IDC X 29 21 09 25.5–1.6 7.67S 128.12E 138–19 4.1,3.7
DJA X 29 21 09 27.7–.30 8S–3.0 128E–2.0 98–40 4.8b,4.3
ISC Event type ke.
ISCJB Event type ke.

ISC X 29 21 32 41.5–.68 6.94S–.07 125.6E–.10 500 3.5b 22 3-73
ISCJB X 29 21 32 40.3–.46 6.87S–.05 125.45E–.10 500 3.5b **¶602000359**
IDC X 29 21 32 41.3–.92 6.95S 125.56E 498–14 4.1,3.3
DJA X 29 21 32 56.8–.80 6S–2.0 125E–4.0 14–6 5.3b,4.9b
ISC Event type ke.
ISCJB Event type ke.
ISC X 30 05 21 24.7–.52 4.49S–.06 129.35E–.06 35 4.3b 57 1-91
IDC X 30 05 21 20.1–.74 4.43S 129.26E 0 4.3L,4.2 **¶602000431**
ISCJB X 30 05 21 23.4–.31 4.42S–.04 129.31E–.04 33 4.3b,4.2
DJA X 30 05 21 24.6–.30 4S–3.0 129E–3.0 10 5.4b,4.8b
NEIC X 30 05 21 26.6–.78 4.42S 129.34E 49–8 4.3b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=15.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.1km az=151.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=51.0.
ISC X 30 08 01 28.7–.93 7.65S–.07 128.67E–.10 151 3.8b 13 6-72
ISCJB X 30 08 01 27.9–.86 7.57S–.07 128.65E–.07 151 3.7b **¶602000451**
IDC X 30 08 01 30.8–2.0 7.41S 128.42E 175–20 4.2,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=9.9km az=174.6.
IDC Error ellipse: s-maj=21.9km s-min=17.5km az=87.0.
ISC X 30 08 13 48.2–.48 4.46S–.06 129.31E–.06 35 4.2b,3.4s 59 1-91
IDC X 30 08 13 43.0–.71 4.51S 129.10E 0 4.3,4.2 **¶602000456**
ISCJB X 30 08 13 46.5–.31 4.43S–.04 129.27E–.04 33 4.2b,3.4s
DJA X 30 08 13 48.2–.30 4S–3.0 129E–2.0 10 5.3b,4.7b
NEIC X 30 08 13 51.2–1.4 4.50S 129.22E 62–14 4.2b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=14.6km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.9km az=41.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.0km az=53.0.
ISC X 30 10 52 02.6–.86 7.43S–.07 129.8E–.10 100 13 5-68
ISCJB X 30 10 52 02.5–.66 7.38S–.07 129.71E–.09 100 3.7b **¶602000469**
IDC X 30 10 52 03.9–2.2 7.36S 129.73E 119–28 4.0,3.6
DJA X 30 10 52 05.5–.80 7S–5.0 130E–6.0 111–56 7.2,5.0b
ISC Event type ke.
ISCJB Event type ke.
ISC X 31 04 01 27.7–.34 7.35S–.04 126.62E–.05 300 4.4b 114 3-152
ISCJB X 31 04 01 26.4–.21 7.33S–.03 126.53E–.03 300 4.3b **¶601864433**
NEIC X 31 04 01 29.2–.42 7.36S 126.55E 318–5 4.6b
IDC X 31 04 01 29.4–1.3 7.35S 126.51E 317–13 4.6,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=151.7.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=58.0.
IDC Error ellipse: s-maj=15.6km s-min=9.1km az=75.0.
IDC X 31 05 02 17.4–1.7 6.86S 127.89E 0 4.3L,4.2
¶602000578
IDC Error ellipse: s-maj=52.1km s-min=26.4km az=73.0.
ISC X 31 21 25 10.9–.83 6.32S–.06 129.5E–.10 200 11 6-67
ISCJB X 31 21 25 11.0–.82 6.30S–.06 129.42E–.09 200 3.3b **¶602000663**
IDC X 31 21 25 11.5–2.3 6.23S 129.30E 180–28 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.5km az=3.2.
IDC Error ellipse: s-maj=40.4km s-min=13.0km az=74.0.
ISC XI 01 00 37 20.7–.72 6.61S–.06 130.08E–.09 146 3.4b 18 6-73
DJA XI 01 00 37 11.2–.40 7S–4.0 130E–4.0 10 5.1b,4.7 **¶602388648**
ISCJB XI 01 00 37 20.9–.59 6.59S–.05 130.11E–.07 146 3.6b,4.7
IDC XI 01 00 37 23.3–2.0 6.47S 129.95E 157–22 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.2km az=24.7.
IDC Error ellipse: s-maj=22.1km s-min=17.1km az=95.0.
ISC XI 01 03 31 25.6–.37 5.65S–.03 129.17E–.03 259–3 4.8b 720 1-161
BJI XI 01 03 31 18.1 6.04S 129.57E 239 4.8b,4.8b **¶601867051**
GCMT XI 01 03 31 23.0–.30 5.41S–.02 129.04E–.02 268–3 5.2W,4.8b
ISCJB XI 01 03 31 24.5–.21 5.61S–.02 129.18E–.02 260–2 4.8b,4.8b
NEIC XI 01 03 31 25.0–.38 5.61S 129.14E 251–4 5.0b,4.8b
MOS XI 01 03 31 24.4–.98 5.58S 129.12E 258 4.9b,4.8b
DJA XI 01 03 31 25.2–.10 6S–2.0 129E–1.0 245–2 6.0,5.5b
IDC XI 01 03 31 26.9–.59 5.63S 129.16E 267–5 5.1,4.5
KLM XI 01 03 31 28.0 5.63S 129.07E 310 5.4b,4.5
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c40; s63,c82;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.07±.30 $M_{\theta\theta}$-6.69±.24; $M_{\phi\phi}$5.62±.30; $M_{r\theta}$2.01±.27; $M_{\theta\phi}$2.91±.27; $M_{\phi r}$-1.65±.35; Best double couple: NP1:ϕ_s327.00000°,δ89.00000°,λ-160.00000°. NP2:ϕ_s237.00000°,δ70.00000°,λ-1.00000°. Principal axes: T 6.5420,Plg13.0000° ,Azm100.0000°; N 1.4060,Plg70.0000°,Azm331.0000°; P -7.9480,Plg15.0000° ,Azm194.0000° $M_0$7.24500×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=152.1.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=57.0.
MOS Error ellipse: s-maj=10.1km s-min=5.9km az=110.8.
IDC Error ellipse: s-maj=10.1km s-min=6.2km az=73.0.
ISC XI 01 16 48 16.7–.89 7.63S–.06 129.26E–.10 131 11 6-68
ISCJB XI 01 16 48 16.6–.92 7.57S–.07 129.16E–.08 131 3.1b **¶602388683**
IDC XI 01 16 48 18.0–2.1 7.52S 129.09E 138–25 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=9.6km az=171.8.
IDC Error ellipse: s-maj=24.8km s-min=19.7km az=120.0.
IDC XI 01 17 06 47.7–2.1 7.50S 129.27E 139–25 3.8,3.3
¶602388684
IDC Error ellipse: s-maj=25.3km s-min=19.8km az=114.0.
DJA XI 01 18 04 42.7–1.6 7S–16 125E–16 510–21 4.0b,3.8
¶606792832
ISC XI 02 10 19 38.8–.35 7.42S–.04 128.04E–.05 35 4.7b,3.5s 125 3-152
IDC XI 02 10 19 34.2–.52 7.41S 127.80E 0 4.4,4.4b **¶601868281**
ISCJB XI 02 10 19 37.1–.22 7.41S–.03 127.98E–.03 35 4.7b,3.5s
NEIC XI 02 10 19 39.1–.27 7.44S 127.94E 35 4.8b,3.5s
DJA XI 02 10 19 40.5–.30 7S–2.0 128E–3.0 46–6 4.8b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 03 00 33 07.6–3.7 4.14S 128.91E 170–48 3.6,3.1
¶602388747
IDC Error ellipse: s-maj=66.0km s-min=17.1km az=89.0.
ISC XI 03 03 58 29.0–.54 6.33S–.04 127.95E–.05 358–5 4.5b 289 3-161
BJI XI 03 03 58 24.6 6.63S 128.31E 360 4.9b,4.5b **¶601869350**
MOS XI 03 03 58 28.2–.89 6.35S 127.92E 362 4.5b,4.5b
ISCJB XI 03 03 58 28.5–.24 6.36S–.02 127.97E–.03 368–2 4.5b,4.5b
IDC XI 03 03 58 29.4–.84 6.35S 127.93E 356–8 5.1,4.3
NEIC XI 03 03 58 29.3–.33 6.33S 127.96E 360–3 4.7b,4.3
DJA XI 03 03 58 29.6–.10 6S–2.0 128E–2.0 351–2 5.7,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 03 15 40 27.8–1.6 4.98S 129.94E 0 3.6,3.4
¶602388772
IDC Error ellipse: s-maj=65.3km s-min=24.4km az=86.0.
DJA XI 04 10 51 21.8–.40 7S–5.0 130E–5.0 10 5.0b,4.5
¶606792877
ISC XI 04 19 37 38.0–.80 5.91S–.07 127.87E–.08 400 20 2-84
ISCJB XI 04 19 37 37.8–.49 5.92S–.05 127.92E–.07 400 3.3b **¶602388821**
IDC XI 04 19 37 37.8–1.1 5.97S 128.00E 374–15 4.4,3.7
DJA XI 04 19 37 40.2–.90 5S–9.0 128E–5.0 423–6 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 05 10 29 54.6–2.7 6.25S 130.62E 109–35 3.8,3.7b
¶602388857
IDC Error ellipse: s-maj=82.9km s-min=21.0km az=87.0.
DJA XI 06 03 32 34.4–1.1 6S–3.0 126E–3.0 18–9 4.0,3.9
¶606792913
IDC XI 06 12 31 20.9–1.9 7.60S 128.18E 156–24 3.9,3.4
¶602388911
IDC Error ellipse: s-maj=24.7km s-min=19.2km az=124.0.
ISC XI 06 17 12 19.3–.47 7.29S–.05 129.64E–.05 100 4.1b 81 2-151
IDC XI 06 17 12 14.3–3.7 7.00S 129.74E 49–33 4.4L,4.1 **¶601876333**
ISCJB XI 06 17 12 17.2–.27 7.22S–.03 129.69E–.04 100 4.2b,4.1
NEIC XI 06 17 12 18.6–.77 7.18S 129.71E 95–8 4.3b,4.1
DJA XI 06 17 12 19.1–.30 7S–3.0 130E–3.0 162–10 4.7b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 08 00 28 43.8–1.7 7.31S 126.72E 0 3.7,3.7L
¶602389004
IDC Error ellipse: s-maj=178.4km s-min=29.5km az=63.0.
IDC XI 08 07 07 20.1–2.6 6.52S 129.39E 0 3.8,3.7L
¶602389024
IDC Error ellipse: s-maj=203.2km s-min=32.1km az=68.0.
ISC XI 08 17 06 35.1–.45 7.35S–.05 128.32E–.06 151 4.3b 62 3-72
BJI XI 08 17 06 29.0 7.95S 128.99E 176 4.6b,4.4b **¶601881317**
ISCJB XI 08 17 06 33.8–.28 7.29S–.03 128.27E–.05 151 4.4b,4.4b
NEIC XI 08 17 06 36.9–.69 7.13S 128.50E 166–8 4.5b,4.4b
DJA XI 08 17 06 37.9–.30 7S–3.0 129E–3.0 164–12 7.0,5.0b
IDC XI 08 17 06 38.7–1.5 7.31S 128.36E 187–15 4.5,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=153.8.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.2km az=220.0.
IDC Error ellipse: s-maj=15.8km s-min=11.2km az=52.0.
ISC XI 08 19 55 46.6–.83 7.17S–.06 129.63E–.06 150 17 2-68
IDC XI 08 19 55 46.0–7.9 7.21S 129.67E 128–83 3.9,3.6 **¶602389048**
ISCJB XI 08 19 55 46.1–.57 7.24S–.05 129.69E–.07 150 3.6b,3.6
DJA XI 08 19 55 47.4–.50 7S–4.0 130E–5.0 190–22 5.2b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 21 04 48.5–.89 7.92S–.06 123.37E–.10 265–8 25 1-66
ISCJB XI 08 21 04 48.7–.55 7.89S–.06 123.34E–.08 263–5 3.5b **¶602389055**
IDC XI 08 21 04 50.6–2.1 8.13S 123.01E 280–22 4.2,3.6
DJA XI 08 21 04 50.1–.60 8S–3.0 123E–4.0 248–6 4.4b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XI 09 13 01 52.4–.92 6.20S–.07 128.64E–.09 350 19 2-38
ISCJB XI 09 13 01 52.6–.57 6.12S–.06 128.55E–.08 350 3.1b **¶602389092**
IDC XI 09 13 01 54.7–1.6 6.45S 128.92E 316–16 3.5,3.0b
DJA XI 09 13 01 54.6–.90 6S–5.0 129E–6.0 322–17 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 09 19 18 59.8–.61 7.99S–.05 128.22E–.05 100 4.7b 44 3-68
ISCJB XI 09 19 18 59.2–.36 7.95S–.03 128.27E–.03 100 4.3b **¶601883147**
DJA XI 09 19 18 59.2–.40 8S–4.0 128E–4.0 10 4.7b,4.5b
NEIC XI 09 19 19 01.3–1.0 7.97S 128.17E 123–27 4.2b,4.5b
IDC XI 09 19 19 01.2–1.7 8.01S 128.20E 98–22 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=28.1.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.7km az=164.0.
IDC Error ellipse: s-maj=20.7km s-min=13.9km az=116.0.
DJA XI 09 20 42 22.7–8.8 7S–50 123E–12 210–71 3.5,3.5
¶606792939
IDC XI 10 02 53 56.7–3.6 6.93S 127.52E 453–45 4.0,3.3
¶602389131
IDC Error ellipse: s-maj=109.5km s-min=18.3km az=68.0.
IDC XI 10 04 51 54.3–2.8 7.12S 129.72E 102–39 4.0,3.7
¶602389135
IDC Error ellipse: s-maj=67.9km s-min=22.1km az=91.0.
ISC XI 10 06 21 44.7–.91 7.52S–.06 130.00E–.10 50 11 7-69
IDC XI 10 06 21 48.0–2.4 7.46S 129.94E 88–28 3.9,3.7 **¶602389139**
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=23.0km az=93.0.
IDC XI 10 21 45 02.7–2.3 7.11S 129.11E 0 3.7,3.7b
¶602389175
IDC Error ellipse: s-maj=101.9km s-min=29.2km az=75.0.
IDC XI 10 23 10 29.2–2.3 6.48S 130.23E 0 3.6,3.4
¶602389177
IDC Error ellipse: s-maj=87.7km s-min=29.1km az=77.0.
ISC XI 11 07 52 36.3–.30 5.90S–.03 130.27E–.04 10 4.6b,4.0s 170 1-151
BJI XI 11 07 52 29.7 6.66S 130.22E 10 5.1b,4.8b **¶601883937**
ISCJB XI 11 07 52 34.8–.18 5.89S–.02 130.26E–.03 10 4.6b,3.9s
IDC XI 11 07 52 35.0–.50 5.85S 130.19E 0 4.6,4.5L
NEIC XI 11 07 52 36.2–.23 5.92S 130.24E 10 4.8b,4.5L
GCMT XI 11 07 52 39.2–.40 5.75S–.02 130.15E–.03 17–2 5.0W,4.5L
DJA XI 11 07 52 42.0–.70 6S–1.0 130E–2.0 34–7 5.3b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s68,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14±.25 $M_{\theta\theta}$-2.05±.16; $M_{\phi\phi}$3.20±.24; $M_{r\theta}$1.35±.55; $M_{\theta\phi}$2.12±.17; $M_{\phi r}$2.43±.73; Best double couple: NP1:ϕ_s238.00000°,δ87.00000°,λ-38.00000°. NP2:ϕ_s331.00000°,δ52.00000°,λ-176.00000°. Principal axes: T 5.1490,Plg24.0000° ,Azm291.0000°; N -2.0850,Plg52.0000°,Azm54.0000°; P -3.0540,Plg28.0000° ,Azm187.0000° $M_0$4.10200×10^{16}
ISC XI 11 11 45 40.1–.74 6.62S–.06 128.97E–.07 250 4.1b 32 3-72
IDC XI 11 11 45 39.9–1.6 6.60S 128.99E 214–16 4.4s,4.4 **¶601991709**
NEIC XI 11 11 45 40.2–.73 6.60S 128.92E 214–9 4.2b,4.4
ISCJB XI 11 11 45 41.5–.53 6.75S–.04 128.84E–.05 250 4.0b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 12 07 03 04.4–5.8 7.82S 129.28E 110–58 4.1,3.8
¶602389281
IDC Error ellipse: s-maj=50.5km s-min=26.8km az=29.0.
ISC XI 12 15 27 51.5–.76 6.64S–.06 127.47E–.09 408 3.7b 24 3-70
ISCJB XI 12 15 27 51.0–.43 6.63S–.04 127.52E–.06 408 3.6b **¶602389293**
DJA XI 12 15 27 51.0–.80 7S–4.0 127E–5.0 432–13 4.5b,4.2
IDC XI 12 15 27 51.5–1.3 6.64S 127.45E 409–15 4.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.0km az=7.3.
IDC Error ellipse: s-maj=22.2km s-min=10.5km az=68.0.
ISC XI 13 01 17 28.7–1.0 6.21S–.08 130.20E–.09 146 13 4-68
ISCJB XI 13 01 17 27.6–.75 6.28S–.06 130.2E–.10 146 3.2b **¶602389316**
IDC XI 13 01 17 28.6–2.6 6.25S 130.12E 147–37 3.7,3.3
DJA XI 13 01 17 38.1–1.1 6S–7.0 130E–4.0 75–45 5.0b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC XI 13 11 23 34.9–2.9 6.84S 129.64E 131–38 3.5,3.1
¶602389341
IDC Error ellipse: s-maj=67.8km s-min=20.9km az=89.0.
ISC XI 13 16 25 11.1–.92 6.41S–.06 130.7E–.10 90 12 6-68
IDC XI 13 16 25 12.2–2.7 6.40S 130.14E 84–35 4.1,3.9 **¶602389352**
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=19.9km az=92.0.
ISC XI 13 17 24 23.8–.92 5.83S–.08 127.9E–.10 400 12 6-66
ISCJB XI 13 17 24 23.2–.73 5.87S–.06 127.92E–.09 400 3.5b **¶602389353**
IDC XI 13 17 24 23.6–1.1 5.91S 127.96E 399–14 4.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=7.5km az=19.0.
IDC Error ellipse: s-maj=19.0km s-min=11.5km az=94.0.
IDC XI 14 01 03 07.6–2.0 6.65S 129.37E 0 3.8,3.6
¶602389362
IDC Error ellipse: s-maj=105.2km s-min=25.8km az=76.0.
ISC XI 14 18 46 10.9–1.0 4.95S–.08 131.45E–.06 47 13 2-67
IDC XI 14 18 46 01.6–5.6 4.48S 133.08E 0 4.6,4.6s **¶602389399**
ISCJB XI 14 18 46 09.1–.73 5.01S–.06 131.50E–.06 47 4.7s,4.0b
DJA XI 14 18 46 13.6–.80 5S–8.0 131E–4.0 59–14 5.0b,4.4
ISC Event type ke.

ISCJB Event type ke.
IDC XI 16 10 01 05.2–2.1 6.11S 129.36E 0 3.5,3.5b ¶602389501

IDC Error ellipse: s-maj=94.5km s-min=27.4km az=75.0.
IDC XI 16 10 08 07.2–1.4 7.27S 128.29E 0 3.8,3.7 ¶602389502

IDC Error ellipse: s-maj=48.1km s-min=22.6km az=85.0.
ISC XI 16 23 54 30.1–1.4 7.5S–.10 125.2E–.20 371 7 3-66
ISCJB XI 16 23 54 28.5–1.3 7.4S–.10 125.3E–.20 371 3.1b ¶602389530
IDC XI 16 23 54 30.7–4.3 7.56S 125.04E 378–52 3.6,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=18.9km az=179.7.
IDC Error ellipse: s-maj=119.6km s-min=18.4km az=54.0.
IDC XI 17 02 29 11.2–2.5 4.32S 129.87E 0 3.9b,3.8 ¶602389538

IDC Error ellipse: s-maj=79.6km s-min=24.8km az=86.0.
DJA XI 17 08 45 11.2–.80 7S–18 127E–7.0 143–32 4.0,3.8 ¶606793046
ISC XI 17 22 42 50.2–.31 6.45S–.04 130.21E–.04 146 4.8b 161 2-151
BJI XI 17 22 42 41.5 6.92S 130.46E 107 5.0b,4.9b ¶601909930
NEIC XI 17 22 42 47.8–.22 6.48S 130.16E 118 4.9b,4.9b
ISCJB XI 17 22 42 48.8–.19 6.49S–.02 130.21E–.03 146 4.8b,4.9b
IDC XI 17 22 42 48.2–1.9 6.46S 130.12E 117–18 4.6,4.3
DJA XI 17 22 42 49.0–.20 6S–2.0 130E–2.0 127–4 5.3b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 18 04 40 20.4–1.2 7.0S–.10 125.0E–.30 550 3.6b 9 3-69
ISCJB XI 18 04 40 19.3–.94 6.9S–.10 125.0E–.20 550 3.6b ¶602389599
IDC XI 18 04 40 21.3–2.3 7.20S 124.62E 561–32 4.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.0km s-min=12.3km az=168.4.
IDC Error ellipse: s-maj=101.5km s-min=17.3km az=58.0.
IDC XI 18 10 46 31.2–2.1 6.90S 129.02E 0 4.2L,4.1 ¶602389606

IDC Error ellipse: s-maj=120.7km s-min=31.6km az=67.0.
ISC XI 19 03 16 21.9–.87 6.76S–.06 129.88E–.09 146 15 2-68
ISCJB XI 19 03 16 21.7–.61 6.78S–.05 129.84E–.07 146 3.4b ¶602389639
IDC XI 19 03 16 22.8–2.2 6.70S 129.69E 143–25 4.1,3.6
DJA XI 19 03 16 23.1–.60 7S–4.0 130E–6.0 201–15 4.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XI 20 10 38 15.1–.43 7.24S–.05 129.38E–.05 139 4.4b 77 2-91
ISCJB XI 20 10 38 13.5–.26 7.30S–.03 129.32E–.04 139 4.3b ¶601993180
IDC XI 20 10 38 14.3–1.5 7.16S 129.36E 130–14 4.2,3.8
NEIC XI 20 10 38 14.0–.93 7.27S 129.44E 128–9 4.5b,3.8
DJA XI 20 10 38 16.7–.30 7S–3.0 129E–3.0 114–12 4.8b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 20 15 47 34.9–1.3 6.61S 128.47E 269–18 3.8,3.3 ¶602389743

IDC Error ellipse: s-maj=22.8km s-min=13.2km az=113.0.
ISC XI 20 17 25 56.6–.39 7.74S–.05 127.63E–.04 150 4.6b 100 4-119
BJI XI 20 17 25 54.6 8.25S 127.56E 173 4.8b,4.3b ¶601993247
ISCJB XI 20 17 25 55.4–.24 7.73S–.03 127.57E–.03 150 4.5b,4.3b
NEIC XI 20 17 25 57.6–.61 7.64S 127.60E 160–7 4.6b,4.3b
IDC XI 20 17 25 58.4–1.4 7.69S 127.53E 162–14 4.3,3.9
DJA XI 20 17 25 58.4–.20 8S–3.0 128E–3.0 160–7 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 20 20 47 14.6–.82 6.05S–.07 129.2E–.10 264 3.4b 12 6-71
ISCJB XI 20 20 47 13.6–.64 5.95S–.05 129.03E–.09 264 3.3b ¶602389752
IDC XI 20 20 47 16.4–1.5 5.87S 129.16E 280–18 4.1,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.7km az=3.7.
IDC Error ellipse: s-maj=32.0km s-min=14.4km az=95.0.
ISC XI 20 21 10 10.3–.73 6.37S–.07 130.31E–.10 146 3.4b 15 2-73
DJA XI 20 21 09 54.5–1.2 7S–7.0 129E–7.0 372–19 5.2b,4.6 ¶602389753
ISCJB XI 20 21 10 09.9–.54 6.34S–.05 130.14E–.07 146 3.4b,4.6
IDC XI 20 21 10 12.4–2.1 6.31S 130.17E 159–22 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.6km az=9.9.
IDC Error ellipse: s-maj=28.3km s-min=14.4km az=69.0.
ISC XI 21 06 40 13.0–.86 4.54S–.09 129.30E–.07 35 4.0b 13 1-70
IDC XI 21 06 40 08.9–1.1 4.42S 129.26E 0 4.1,4.0 ¶602389773
DJA XI 21 06 40 10.1–1.1 5S–14 129E–5.0 10 3.9,3.9
ISCJB XI 21 06 40 11.8–.71 4.42S–.07 129.25E–.06 33 3.9b,3.9s
ISC Event type ke.
ISCJB Event type ke.
IDC XI 21 23 40 26.3–7.2 7.97S 126.04E 76–78 3.5,3.5 ¶602389812

IDC Error ellipse: s-maj=57.3km s-min=19.4km az=28.0.
ISC XI 22 16 37 11.3–.62 5.27S–.06 131.6E–.10 54 4.7b 24 4-71
IDC XI 22 16 37 05.7–1.8 5.38S 131.02E 0 4.0b,3.7 ¶602042688
ISCJB XI 22 16 37 10.0–.59 5.49S–.05 131.43E–.09 54 4.6b,3.7
NEIC XI 22 16 37 09.7–.95 5.26S 131.51E 35 4.4b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=100.3km s-min=26.3km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.9km az=174.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.8km az=71.0.
IDC XI 22 23 42 18.2–1.8 7.17S 129.87E 0 4.3,4.2L ¶602389854

IDC Error ellipse: s-maj=81.6km s-min=28.4km az=79.0.
IDC XI 23 04 38 51.8–2.5 6.39S 130.48E 0 3.8b,3.7 ¶602389867

IDC Error ellipse: s-maj=140.3km s-min=33.5km az=70.0.
IDC XI 23 05 06 56.4–4.0 6.48S 131.00E 101–46 3.8,3.5 ¶602389868

IDC Error ellipse: s-maj=98.6km s-min=30.7km az=79.0.
DJA XI 23 05 59 29.5–.50 5S–4.0 132E–5.0 117–16 4.9b,4.4 ¶606793118
ISC XI 23 11 05 08.5–.84 5.88S–.04 131.74E–.06 75–12 4.5b 49 2-72
ISCJB XI 23 11 05 06.4–.53 6.00S–.03 131.80E–.04 77–7 4.5b ¶601993913
IDC XI 23 11 05 06.9–3.1 5.92S 131.98E 66–27 4.7L,4.3
NEIC XI 23 11 05 08.8–1.0 6.02S 131.89E 84–13 4.6b,4.3
DJA XI 23 11 05 09.9–.30 6S–2.0 132E–3.0 91–12 5.3b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 23 16 15 46.1–1.0 7.54S–.10 128.68E–.08 151 10 3-68
IDC XI 23 16 15 30.4–2.2 6.72S 129.28E 0 4.0,3.8 ¶602389899
ISCJB XI 23 16 15 45.4–.76 7.45S–.08 128.65E–.06 151 3.4b,3.8
DJA XI 23 16 15 45.6–.60 7S–7.0 129E–5.0 177–18 4.1,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA XI 23 19 22 50.0–.60 6S–3.0 131E–6.0 137–9 4.7b,4.0 ¶606793112

IDC XI 23 23 07 11.0–2.5 6.40S 130.37E 0 3.5b,3.4 ¶602389913

IDC Error ellipse: s-maj=135.1km s-min=34.0km az=70.0.
ISC XI 24 16 26 39.4–.31 6.22S–.03 130.60E–.05 124 4.7b 185 2-151
BJI XI 24 16 26 32.6 6.81S 131.07E 124 4.9b,4.8b ¶601994173
IDC XI 24 16 26 37.8–2.1 6.18S 130.43E 103–19 4.7,4.4
ISCJB XI 24 16 26 38.0–.21 6.21S–.03 130.67E–.03 124 4.7b,4.4
MOS XI 24 16 26 38.3–1.0 6.14S 130.50E 124 4.7b,4.4
NEIC XI 24 16 26 39.5–.52 6.16S 130.55E 121–5 4.7b,4.4
DJA XI 24 16 26 40.0–.20 6S–2.0 131E–2.0 110–5 5.3,5.3b
ISC Event type se.
ISCJB Event type se.

NEIC Event type se.
IDC XI 24 20 53 30.5–1.7 7.71S 127.27E 0 3.6,3.6b ¶602389943

IDC Error ellipse: s-maj=114.8km s-min=30.4km az=66.0.
ISC XI 25 07 46 09.7–.69 6.90S–.05 129.53E–.07 200 3.8b 24 2-71
ISCJB XI 25 07 46 09.7–.47 6.95S–.05 129.53E–.06 200 3.7b ¶601994324
IDC XI 25 07 46 09.4–2.0 6.90S 129.50E 170–21 4.2,3.7
DJA XI 25 07 46 09.4–.50 7S–3.0 130E–5.0 206–10 4.7b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 25 08 13 12.0–1.9 7.16S 125.17E 0 3.5b,3.4 ¶602389962

IDC Error ellipse: s-maj=60.5km s-min=25.8km az=75.0.
ISC XI 25 09 39 40.9–.94 6.61S–.06 130.4E–.10 146 10 6-68
ISCJB XI 25 09 39 41.6–.92 6.54S–.07 130.3E–.10 146 3.5b ¶602389965
IDC XI 25 09 39 42.9–2.2 6.54S 130.22E 141–25 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=9.8km az=174.4.
IDC Error ellipse: s-maj=39.1km s-min=19.7km az=94.0.
IDC XI 26 02 30 28.8–1.9 7.36S 129.93E 0 3.5b,3.4 ¶602390014

IDC Error ellipse: s-maj=132.0km s-min=30.3km az=69.0.
DJA XI 26 04 33 00.9–1.0 5S–7.0 131E–4.0 46–26 3.9,3.9 ¶606793153
ISC XI 26 07 25 59.7–.80 7.39S–.09 124.08E–.08 400 16 2-65
ISCJB XI 26 07 25 59.4–.58 7.45S–.08 124.11E–.07 400 3.8b ¶602390018
IDC XI 26 07 26 00.3–1.1 7.46S 124.24E 402–13 4.1,3.4
DJA XI 26 07 26 03.0–.90 8S–11 124E–6.0 375–9 4.8b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC XI 26 12 51 20.1–.35 7.59S–.04 129.02E–.04 131 4.2b 132 2-151
ISCJB XI 26 12 51 18.7–.21 7.48S–.02 129.01E–.03 131 4.2b ¶601994562
IDC XI 26 12 51 18.0–2.6 7.37S 128.87E 101–24 4.3,4.1
KLM XI 26 12 51 18.0 7.64S 129.29E 132 4.7b,4.1
NEIC XI 26 12 51 21.1–.63 7.51S 128.94E 137–6 4.3b,4.1
DJA XI 26 12 51 21.2–.30 8S–3.0 129E–3.0 109–12 5.1b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 26 15 01 14.9–2.3 5.33S 130.56E 0 3.8,3.6 ¶602389995

IDC Error ellipse: s-maj=96.2km s-min=28.8km az=77.0.
ISC XI 26 16 33 23.5–.48 7.52S–.05 125.80E–.07 35 4.0b 53 3-125
ISCJB XI 26 16 33 21.0–.30 7.51S–.05 125.79E–.06 33 4.1b,3.5s ¶601994603
NEIC XI 26 16 33 24.6–1.6 7.44S 125.79E 46–16 4.7b,3.5s
IDC XI 26 16 33 25.6–2.0 7.33S 125.68E 48–20 4.1,4.0
DJA XI 26 16 33 25.9–.70 7S–4.0 125E–8.0 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 27 12 27 37.8–.62 7.12S–.05 129.84E–.05 104 4.0b 29 2-151
ISCJB XI 27 12 27 36.7–.44 7.14S–.04 129.91E–.05 104 3.8b ¶601994815
IDC XI 27 12 27 38.0–2.0 7.05S 129.84E 100–19 4.1,3.8
DJA XI 27 12 27 39.2–.60 7S–5.0 130E–5.0 132–16 5.0b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 27 12 50 34.2–1.6 7.71S 129.75E 0 3.8,3.8L ¶602390061

IDC Error ellipse: s-maj=43.0km s-min=22.2km az=83.0.
ISC XI 28 00 08 17.1–1.1 7.73S–.08 128.5E–.10 151 3.6b 12 5-72
ISCJB XI 28 00 08 15.8–.84 7.58S–.06 128.35E–.08 151 3.5b ¶602390082
IDC XI 28 00 08 15.5–6.4 7.47S 128.39E 127–65 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=8.9km az=169.1.
IDC Error ellipse: s-maj=55.8km s-min=18.3km az=47.0.
ISC XI 28 06 56 21.0–1.4 7.9S–.10 128.26E–.09 35 13 4-72
DJA XI 28 06 56 26.7–.50 7S–7.0 127E–5.0 10 5.0b,4.3 ¶602390095
IDC XI 28 06 56 32.4–5.8 8.50S 127.76E 168–63 3.8,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=68.9km s-min=18.6km az=38.0.
IDC XI 28 08 06 35.6–2.5 7.33S 128.35E 0 4.1L,3.9 ¶602390098

IDC Error ellipse: s-maj=287.2km s-min=31.2km az=65.0.
ISC XI 28 08 56 18.2–.24 5.34S–.03 131.17E–.03 71–1 5.8b 1472 1-167
BJI XI 28 08 56 11.8 5.76S 131.33E 58 5.8b,5.8b ¶601994987
MOS XI 28 08 56 13.9–1.1 5.33S 131.09E 42 6.1b,4.9s
ISCJB XI 28 08 56 14.8–.38 5.40S–.02 131.11E–.02 55–3 5.7b,5.0s
NEIC XI 28 08 56 16.2–.39 5.40S 131.13E 50–3 5.9b,5.6W
DJA XI 28 08 56 17.3–.20 5S–2.0 131E–1.0 78–2 6.5,6.2b
GCMT XI 28 08 56 17.5–.10 5.33S–.01 131.17E–.01 70–0 5.7W,6.2b
NEIC XI 28 08 56 17.0–.00 5.30S 131.11E 70 5.7W,6.2b
IDC XI 28 08 56 19.5–.39 5.36S 131.14E 79–3 5.6,5.2
ISC Event type fe.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=110.6.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=155.1.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=59.0. Felt [II] at Kaimana and Tual, Indonesia. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$1.63 $M_{r\theta}$0.39 $M_{\theta\phi}$1.42 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s67.00000°,δ69.00000°,λ25.00000°. NP2:ϕ_s327.00000°,δ67.00000°,λ157.00000°. Principal axes: T 2.7700,Plg32.0000°,Azm287.0000°; N 0.2800,Plg58.0000°,Azm105.0000°; P -3.0400,Plg1.0000°,Azm197.0000° $M_0$2.90000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c238; s126,c272; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.04 $M_{\theta\theta}$-4.03±.04; $M_{\phi\phi}$2.13±.04; $M_{r\theta}$-0.08±.05; $M_{\theta\phi}$-1.23±.04; $M_{\phi r}$1.68±.04; Best double couple: NP1:ϕ_s42.00000°,δ64.00000°,λ33.00000°. NP2:ϕ_s296.00000°,δ60.00000°,λ150.00000°. Principal axes: T 3.8180,Plg41.0000°,Azm261.0000°; N 0.4580,Plg49.0000°,Azm76.0000°; P -4.2760,Plg2.0000°,Azm169.0000° $M_0$4.04700×10^{17}
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-3.06 $M_{\phi\phi}$1.09 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.23 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s46.00000°,δ67.00000°,λ54.00000°. NP2:ϕ_s287.00000°,δ42.00000°,λ144.00000°. Principal axes: T 3.0900,Plg53.0000°,Azm271.0000°; N 0.6400,Plg32.0000°,Azm62.0000°; P -3.7300,Plg14.0000°,Azm161.0000° $M_0$3.50000×10^{17}
IDC Error ellipse: s-maj=11.6km s-min=7.4km az=67.0.
IDC XI 29 05 15 01.8–3.0 7.13S 129.40E 103–42 3.5,3.3 ¶602390150

IDC Error ellipse: s-maj=74.5km s-min=22.8km az=92.0.
ISC XI 29 17 33 24.7–.85 7.07S–.07 129.7E–.10 139 3.7b 11 6-68
ISCJB XI 29 17 33 24.4–.77 7.06S–.06 129.60E–.08 139 3.5b ¶602390176
IDC XI 29 17 33 25.3–2.2 7.07S 129.57E 127–23 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.8km az=175.0.
IDC Error ellipse: s-maj=29.4km s-min=17.3km az=78.0.
IDC XI 29 22 53 25.8–1.7 7.08S 128.78E 0 4.0b,3.9 ¶602056178

IDC Error ellipse: s-maj=96.6km s-min=24.7km az=76.0.
ISC XI 30 05 02 40.5–.77 7.84S–.06 129.80E–.09 35 3.8b 15 6-73
ISCJB XI 30 05 02 36.9–.63 7.77S–.04 129.77E–.07 33 3.6b ¶602390221
IDC XI 30 05 02 43.4–2.3 7.81S 129.75E 77–24 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.4km az=177.8.
IDC Error ellipse: s-maj=34.5km s-min=16.0km az=74.0.
IDC XI 30 19 54 24.6–2.4 6.65S 129.76E 0 3.3,3.3b ¶602390249

IDC Error ellipse: s-maj=157.5km s-min=32.6km az=69.0.
ISC XI 30 22 18 19.8–.44 7.51S–.05 128.59E–.05 151 4.2b 57 3-151
ISCJB XI 30 22 18 18.1–.28 7.47S–.03 128.60E–.04 151 4.1b ¶601995513
NEIC XI 30 22 18 20.1–.38 7.49S 128.62E 158–5 4.2b
IDC XI 30 22 18 21.5–1.9 7.45S 128.51E 163–18 4.2,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.5km az=148.6.

NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=48.0.
IDC Error ellipse: s-maj=20.3km s-min=12.6km az=83.0.
ISC XII 01 00 03 31.0–1.1 6.7S–.10 125.7E–.20 544 8 4-66
IDC XII 01 00 03 31.2–1.4 6.64S 125.67E 517–18 4.0,3.2 ¶602390257
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=21.5km az=83.0.
IDC XII 01 04 37 04.4–2.7 6.19S 130.52E 113–37 3.8,3.4
¶602390266
IDC Error ellipse: s-maj=73.7km s-min=21.4km az=88.0.
DJA XII 01 15 10 25.5–.40 7S–4.0 129E–3.0 158–15 5.0b,4.4
¶606793259
ISC XII 01 16 36 22.2–.85 6.73S–.05 130.53E–.08 150 24 1-58
IDC XII 01 16 36 20.7–2.4 6.90S 130.67E 96–28 4.4,4.2 ¶602390285
ISCJB XII 01 16 36 22.1–.48 6.72S–.04 130.61E–.06 150 3.4b,4.2
DJA XII 01 16 36 24.0–.40 7S–3.0 131E–4.0 140–8 5.0b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 01 20 54 28.4–4.0 6.50S 127.98E 368–41 3.4,2.6
¶602390296
IDC Error ellipse: s-maj=56.9km s-min=14.5km az=64.0.
IDC XII 02 00 50 10.6–2.5 7.36S 128.29E 0 3.7,3.5
¶602390310
IDC Error ellipse: s-maj=278.5km s-min=31.7km az=65.0.
IDC XII 02 02 33 57.0–2.3 7.32S 129.34E 0 3.4,3.3
¶602390317
IDC Error ellipse: s-maj=78.1km s-min=30.6km az=76.0.
IDC XII 02 02 34 45.2–2.0 6.62S 129.85E 0 4.0,3.9L
¶602390320
IDC Error ellipse: s-maj=54.5km s-min=31.1km az=75.0.
IDC XII 02 06 14 52.8–1.9 6.88S 129.83E 0 4.0,3.9
¶602390330
IDC Error ellipse: s-maj=51.5km s-min=26.9km az=82.0.
IDC XII 02 22 19 57.8–2.9 6.11S 130.59E 79–37 3.7,3.5
¶602390375
IDC Error ellipse: s-maj=84.4km s-min=21.7km az=89.0.
ISC XII 03 06 25 58.1–.56 6.85S–.06 129.54E–.06 139 3.6b 33 2-151
ISCJB XII 03 06 25 56.6–.37 6.86S–.04 129.56E–.04 139 3.6b ¶601995931
IDC XII 03 06 25 58.7–1.3 6.93S 129.54E 143–12 4.0,3.7
DJA XII 03 06 25 58.2–.50 7S–5.0 130E–4.0 115–20 4.9b,4.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 04 17 09 40.6–.82 6.06S–.06 128.73E–.08 350 18 2-67
DJA XII 04 17 09 36.7–1.2 6S–5.0 129E–7.0 418–20 4.1b,3.8 ¶602390464
ISCJB XII 04 17 09 39.5–.56 6.07S–.06 128.71E–.08 350 2.8b,3.8
IDC XII 04 17 09 39.1–1.2 6.09S 128.79E 316–14 3.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.2km az=29.8.
IDC Error ellipse: s-maj=18.2km s-min=10.4km az=91.0.
IDC XII 05 01 40 52.8–2.0 6.91S 128.61E 0 3.9,3.9L
¶602390481
IDC Error ellipse: s-maj=116.8km s-min=30.9km az=66.0.
DJA XII 05 06 03 07.9–.90 4S–5.0 126E–5.0 382–14 4.5b,4.1
¶606793322
ISC XII 05 10 42 59.2–.77 6.25S–.05 129.89E–.10 100 3.8b 18 2-70
ISCJB XII 05 10 42 58.3–.52 6.34S–.04 130.06E–.09 100 3.6b ¶602390496
IDC XII 05 10 43 00.8–2.0 6.24S 130.01E 113–20 3.9,3.5
DJA XII 05 10 43 08.0–1.0 6S–4.0 130E–3.0 17–12 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 05 18 59 59.8–.67 5.21S–.05 131.26E–.06 100 3.9b 27 2-72
DJA XII 05 18 59 57.2–.50 5S–4.0 131E–5.0 10 5.2b,4.8 ¶601996091
ISCJB XII 05 18 59 58.2–.46 5.25S–.04 131.20E–.05 100 3.6b,4.8
IDC XII 05 18 59 59.8–2.2 5.16S 131.25E 83–23 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=15.6.
IDC Error ellipse: s-maj=26.9km s-min=16.6km az=63.0.
DJA XII 06 13 58 42.7–.80 8S–6.0 128E–3.0 99–42 4.6b,3.9
¶606793332
ISC XII 07 02 05 00.3–.42 7.72S–.05 127.70E–.04 150 4.2b 72 4-151
ISCJB XII 07 02 04 58.7–.32 7.66S–.03 127.75E–.04 150 4.2b ¶602005992
NEIC XII 07 02 05 00.3–1.1 7.64S 127.67E 152–10 4.4b
IDC XII 07 02 05 01.6–1.4 7.55S 127.54E 157–13 4.5,4.0
DJA XII 07 02 05 02.9–.20 8S–3.0 128E–2.0 137–5 6.2b,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 10 00 30 09.3–.62 6.11S–.05 128.66E–.07 322 3.6b 34 2-70
ISCJB XII 10 00 30 08.8–.36 6.11S–.04 128.63E–.05 322 3.4b ¶602033211
IDC XII 10 00 30 09.7–1.4 6.16S 128.74E 320–15 4.2,3.6
DJA XII 10 00 30 10.1–.30 6S–2.0 129E–3.0 295–6 5.0b,4.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 10 16 53 09.5–.20 6.50S–.02 129.87E–.03 161–1 6.6b 2758 2-177
MOS XII 10 16 53 07.3–.98 6.53S 129.79E 150 6.6b ¶605137262
NEIC XII 10 16 53 08.8–.08 6.53S 129.83E 155 7.2,7.1W
BJI XII 10 16 53 08.8 6.51S 129.78E 160 6.9b,6.5b
ISCJB XII 10 16 53 09.0–.27 6.55S–.01 129.85E–.01 167–2 6.5b,6.5b
NEIC XII 10 16 53 09.0–.00 6.52S 130.01E 160 6.5b,6.5b
IDC XII 10 16 53 10.3–.51 6.58S 129.82E 163–4 6.5,6.4
DJA XII 10 16 53 10.1–.20 7S–2.0 130E–1.0 161–2 7.6,7.3
KLM XII 10 16 53 14.0 6.52S 129.93E 197 7.0b,7.3
GCMT XII 10 16 53 14.8–.10 6.65S 129.83E 159–0 7.1W,7.3
NEIC XII 10 16 53 23.5–.00 6.57S 129.82E 148 7.1W,7.3
ISC Event type fe.
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=47.0. Felt [V] at Saumlaki; [IV] at Amahai, Dobo, Fakfak, Kaimana and Sorong; [III] at Ransiki, Indonesia. Felt [IV] at Dili, Timor-Leste. Also felt at Manatuto. Felt [IV] on Cox Peninsula and at Kununurra; [III] at Darwin, Humpty Doo-MacMinns Lagoon and Palmerston; [II] at Katherine, Australia. Also felt at Alice Springs, East Arnhem, Galiwinku, Howard Springs and Jabiru. Apparent Stress 0.18 MPa. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{19}Nm; M_{rr}1.13 $M_{\theta\theta}$-4.19 $M_{\phi\phi}$3.06 $M_{r\theta}$2.65 $M_{\theta\phi}$-0.34 $M_{\phi r}$3.47 Best double couple: NP1:ϕ_s307.00000°,δ40.00000°,λ168.00000°. NP2:ϕ_s46.00000°,δ83.00000°,λ51.00000°. Principal axes: T 5.8900,Plg39.0000°,Azm281.0000°; N -0.2500,Plg39.0000°,Azm52.0000° ; P -5.6400,Plg27.0000°,Azm166.0000° $M_0$5.80000×10^{19} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s302.00000°,δ51.00000°,λ167.00000°. NP2:ϕ_s40.00000°,δ80.00000°,λ40.00000°. Principal axes: T Plg35.0000°,Azm269.0000° ; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm165.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=140.5.
NEIC Event type se. Moment Tensor Solution. s70 Moment tensor: Scale 10^{19}Nm; M_{rr}0.99 $M_{\theta\theta}$-4.22 $M_{\phi\phi}$3.24 $M_{r\theta}$2.10 $M_{\theta\phi}$0.27 $M_{\phi r}$3.43 Best double couple: NP1:ϕ_s49.00000°,δ81.00000°,λ45.00000°. NP2:ϕ_s310.00000°,δ45.00000°,λ168.00000°. Principal axes: T 5.9300,Plg37.0000°,Azm280.0000°; N -0.8500,Plg43.0000°,Azm57.0000° ; P -5.0800,Plg22.0000°,Azm171.0000° $M_0$5.60000×10^{19}
IDC Error ellipse: s-maj=7.9km s-min=6.2km az=76.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c428; s152,c761; Duration: 8s6 Moment tensor: Scale 10^{19}Nm; M_{rr}1.03±.02 $M_{\theta\theta}$-4.45±.02; $M_{\phi\phi}$3.42±.02; $M_{r\theta}$1.81±.02; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$3.51±.01; Best double couple: NP1:ϕ_s48.00000°,δ80.00000°,λ43.00000°. NP2:ϕ_s309.00000°,δ48.00000°,λ166.00000°. Principal axes: T 6.0640,Plg37.0000°,Azm278.0000°; N -0.9550,Plg46.0000°,Azm59.0000° ; P -5.1090,Plg20.0000°,Azm172.0000° $M_0$5.58700×10^{19}
NEIC Event type se. Moment Tensor Solution. s85 Moment tensor: Scale 10^{19}Nm; M_{rr}0.88 $M_{\theta\theta}$-4.08 $M_{\phi\phi}$3.20 $M_{r\theta}$1.79 $M_{\theta\phi}$0.29 $M_{\phi r}$3.29 Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ167.00000°. NP2:ϕ_s49.00000°,δ81.00000°,λ43.00000°. Principal axes: T 5.7000,Plg36.0000°,Azm279.0000°; N -0.9600,Plg46.0000°,Azm59.0000° ; P -4.7400,Plg21.0000°,Azm173.0000° $M_0$5.20000×10^{19}
ISC XII 10 17 07 28.3–1.0 6.42S–.06 130.0E–.10 150 11 2-68
IDC XII 10 17 07 15.5–2.6 6.67S 128.49E 0 5.1,4.9 ¶602390996
ISCJB XII 10 17 07 27.7–.72 6.45S–.05 130.00E–.09 150 4.6b,4.9
DJA XII 10 17 07 28.6–.60 6S–3.0 130E–4.0 145–13 5.4,5.3
ISC Event type ke.
ISCJB Event type ke.
IDC XII 10 17 21 08.0–1.9 6.52S 129.78E 192–22 4.4,3.9
¶602390997
IDC Error ellipse: s-maj=27.5km s-min=18.6km az=112.0.
IDC XII 10 17 28 28.7–1.9 6.58S 130.09E 148–24 3.8,3.4
¶602390998
IDC Error ellipse: s-maj=37.0km s-min=17.0km az=101.0.
ISC XII 10 17 32 23.6–.60 6.72S–.04 130.85E–.05 150 3.9b 44 1-150
DJA XII 10 17 32 22.7–.50 7S–3.0 131E–4.0 148–7 5.8b,5.4 ¶602355585
IDC XII 10 17 32 23.8–2.1 6.46S 130.61E 94–20 4.3,4.0
ISCJB XII 10 17 32 24.7–.36 6.91S–.03 130.74E–.04 150 3.9b,4.0
NEIC XII 10 17 32 24.9–1.3 6.82S 130.68E 119–14 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=17.9km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=151.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.7km az=203.0.
ISC XII 10 17 35 53.1–.65 6.56S–.06 130.01E–.08 146 4.1b 30 2-109
ISCJB XII 10 17 35 53.0–.43 6.46S–.05 129.86E–.06 146 4.3b ¶602090173
IDC XII 10 17 35 55.5–2.2 6.39S 129.82E 151–22 5.3s,5.3
NEIC XII 10 17 35 55.1–1.1 6.55S 129.86E 154–12 4.6b,5.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.0km az=158.5.
IDC Error ellipse: s-maj=31.5km s-min=15.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.4km az=212.0.
IDC XII 10 17 50 39.1–2.2 6.99S 129.13E 0 3.4b,3.2
¶602390999
IDC Error ellipse: s-maj=123.4km s-min=32.4km az=67.0.
ISC XII 10 17 51 39.0–.90 6.71S–.06 130.2E–.10 146 10 6-68
ISCJB XII 10 17 51 39.4–.93 6.68S–.07 130.06E–.09 146 3.6b ¶602391000
IDC XII 10 17 51 41.2–2.1 6.59S 129.98E 152–24 3.8,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=10.1km az=11.1.
IDC Error ellipse: s-maj=37.7km s-min=19.7km az=95.0.
ISC XII 10 17 57 07.0–.95 6.76S–.07 130.0E–.10 146 10 6-68
IDC XII 10 17 57 09.9–2.0 6.64S 129.83E 171–24 3.6,3.2 ¶602391001
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=19.2km az=96.0.
IDC XII 10 18 01 11.1–17 6.88S 129.35E 162–182 3.5,3.5L
¶602391002
IDC Error ellipse: s-maj=147.5km s-min=57.1km az=41.0.
ISC XII 10 18 09 14.7–.97 6.57S–.07 130.0E–.10 146 9 6-68
ISCJB XII 10 18 09 14.6–.90 6.56S–.07 129.88E–.09 146 3.5b ¶602391004
IDC XII 10 18 09 15.9–2.2 6.53S 129.87E 136–25 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.5km az=8.6.
IDC Error ellipse: s-maj=37.7km s-min=20.1km az=96.0.
IDC XII 10 18 11 23.0–2.2 6.53S 129.85E 148–26 3.3,2.9
¶602391005
IDC Error ellipse: s-maj=38.3km s-min=22.5km az=95.0.
IDC XII 10 18 15 15.4–2.7 6.43S 129.58E 162–37 3.2,2.8b
¶602391006
IDC Error ellipse: s-maj=64.5km s-min=19.8km az=89.0.
ISC XII 10 18 24 54.1–.89 6.56S–.07 130.1E–.10 146 10 6-68
ISCJB XII 10 18 24 54.0–.83 6.56S–.06 130.03E–.09 146 3.7b ¶602391008
IDC XII 10 18 24 56.0–2.3 6.48S 129.95E 142–24 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.9km az=0.8.
IDC Error ellipse: s-maj=40.0km s-min=20.6km az=99.0.
IDC XII 10 18 34 58.6–2.2 6.23S 129.78E 0 4.0b,3.6
¶602391010
IDC Error ellipse: s-maj=142.0km s-min=30.7km az=69.0.
IDC XII 10 18 43 09.3–2.1 6.61S 130.04E 156–26 3.5,3.1
¶602391011
IDC Error ellipse: s-maj=38.1km s-min=19.8km az=96.0.
ISC XII 10 18 55 01.3–.44 6.59S–.04 129.90E–.06 146 4.3b 73 2-93
ISCJB XII 10 18 54 59.7–.25 6.63S–.03 130.07E–.04 146 4.2b ¶602034577
BJI XII 10 18 55 00.5 6.60S 130.00E 160 5.0b,4.5b
IDC XII 10 18 55 02.4–1.9 6.52S 129.94E 150–18 4.7s,4.7
DJA XII 10 18 55 03.4–.30 7S–3.0 130E–3.0 156–8 6.7,5.4b
NEIC XII 10 18 55 03.1–.55 6.52S 129.92E 158–6 4.4b,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=169.0.
IDC Error ellipse: s-maj=14.6km s-min=10.5km az=85.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.8km az=78.0.
ISC XII 10 19 30 03.5–.96 6.64S–.06 130.2E–.10 146 9 6-68
ISCJB XII 10 19 30 03.4–.91 6.65S–.06 130.1E–.10 146 2.9b ¶602391014
IDC XII 10 19 30 03.8–1.9 6.52S 130.02E 130–23 3.4,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=8.8km az=0.4.
IDC Error ellipse: s-maj=39.0km s-min=15.4km az=101.0.
ISC XII 10 19 30 12.5–1.0 6.72S–.06 130.3E–.10 90 9 6-68
ISCJB XII 10 19 30 11.0–.81 6.66S–.05 130.4E–.10 90 3.1b ¶602391017
IDC XII 10 19 30 13.1–1.7 6.57S 130.38E 145–23 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=7.2km az=1.4.
IDC Error ellipse: s-maj=32.5km s-min=13.3km az=92.0.
ISC XII 10 19 58 24.6–.34 6.65S–.04 129.96E–.04 146 4.5b 148 2-151
ISCJB XII 10 19 58 23.4–.20 6.62S–.03 129.91E–.03 146 4.5b ¶602034578
IDC XII 10 19 58 25.2–1.2 6.53S 129.88E 150–11 4.7,4.6
DJA XII 10 19 58 26.7–.30 7S–2.0 130E–3.0 144–8 5.4b,5.0b
NEIC XII 10 19 58 27.0–.49 6.59S 129.93E 166–5 4.8b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.7km az=15.6.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=87.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=56.0.
IDC XII 10 20 35 44.4–2.2 6.58S 129.91E 144–24 4.1,3.7
¶602391022
IDC Error ellipse: s-maj=26.5km s-min=17.7km az=101.0.
ISC XII 10 20 42 43.5–.88 6.66S–.06 130.1E–.10 146 11 6-68
ISCJB XII 10 20 42 43.4–.86 6.64S–.08 129.94E–.09 146 3.5b ¶602391024
IDC XII 10 20 42 44.7–2.1 6.61S 129.93E 145–23 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=10.4km az=32.7.
IDC Error ellipse: s-maj=24.0km s-min=17.0km az=93.0.
ISC XII 10 20 47 49.8–.46 6.55S–.03 129.98E–.03 164–3 5.1b 667 2-151
BJI XII 10 20 47 45.1 6.79S 130.29E 163 5.2b,5.1b ¶602034579
MOS XII 10 20 47 45.8–1.1 6.51S 129.82E 136 5.3b,5.1b
IDC XII 10 20 47 50.4–.96 6.49S 129.89E 165–8 5.0,4.6
DJA XII 10 20 47 50.7–.20 7S–2.0 130E–1.0 154–3 5.4b,5.3b
ISCJB XII 10 20 47 50.1–.32 6.52S–.02 129.97E–.02 180–3 5.1b,5.3b
NEIC XII 10 20 47 51.2–.52 6.51S 129.90E 173–5 5.2b,5.3b
KLM XII 10 20 47 53.0 6.47S 129.97E 209 5.3b,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=9.5km s-min=5.5km az=117.4.
IDC Error ellipse: s-maj=10.0km s-min=7.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=145.6.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=49.0.
ISC XII 10 21 12 44.2–1.0 6.66S–.08 129.9E–.10 146 9 6-68
ISCJB XII 10 21 12 44.5–.94 6.61S–.09 129.81E–.10 146 3.6b ¶602391025
IDC XII 10 21 12 45.9–2.1 6.59S 129.77E 150–23 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=10.5km az=35.2.
IDC Error ellipse: s-maj=27.8km s-min=18.4km az=110.0.
ISC XII 10 21 40 00.1–.85 6.70S–.07 130.2E–.20 150 17 6-68
IDC XII 10 21 40 00.1–4.8 6.70S 129.64E 129–53 4.3,4.2b ¶602391027
ISC Event type ke.
IDC Error ellipse: s-maj=96.7km s-min=17.7km az=73.0.

IDC XII 10 22 02 05.5–2.4 5.82S 130.71E 0 3.7b,3.5
¶602391030

IDC Error ellipse: s-maj=147.5km s-min=30.7km az=71.0.
IDC XII 10 22 44 17.7–2.6 6.68S 130.12E 149–35 3.4,3.0
¶602391033

IDC Error ellipse: s-maj=69.3km s-min=20.5km az=89.0.
IDC XII 10 22 48 45.3–2.4 6.60S 130.06E 141–33 3.7,3.5b
¶602391034

IDC Error ellipse: s-maj=67.0km s-min=16.7km az=91.0.
IDC XII 10 22 58 20.0–2.6 5.71S 130.77E 0 3.5b,3.5
¶602391037

IDC Error ellipse: s-maj=154.7km s-min=32.4km az=71.0.
IDC XII 10 23 15 02.4–2.5 6.59S 129.93E 129–35 3.5,3.3
¶602391038

IDC Error ellipse: s-maj=65.5km s-min=16.6km az=92.0.
IDC XII 10 23 16 30.6–2.8 6.62S 129.70E 111–38 4.2b,4.1
¶602391039

IDC Error ellipse: s-maj=67.7km s-min=16.4km az=93.0.
IDC XII 10 23 47 20.1–2.2 6.13S 129.77E 0 3.6b,3.5
¶602391041

IDC Error ellipse: s-maj=96.3km s-min=28.1km az=76.0.
IDC XII 10 23 54 34.3–2.3 6.18S 129.67E 0 3.5,3.5b
¶602391043

IDC Error ellipse: s-maj=155.8km s-min=31.3km az=69.0.
IDC XII 11 00 47 32.7–2.2 4.40S 129.44E 0 3.9,3.8b
¶602391047

IDC Error ellipse: s-maj=121.4km s-min=26.0km az=65.0.
IDC XII 11 01 44 32.3–2.8 6.64S 129.84E 129–38 3.6,3.2
¶602391052

IDC Error ellipse: s-maj=69.6km s-min=20.8km az=89.0.
IDC XII 11 01 49 46.4–2.2 6.02S 130.18E 0 3.7b,3.6
¶602391053

IDC Error ellipse: s-maj=94.8km s-min=27.5km az=77.0.
IDC XII 11 03 12 20.5–2.5 5.97S 130.34E 0 3.5,3.5b
¶602391058

IDC Error ellipse: s-maj=108.7km s-min=28.7km az=77.0.
IDC XII 11 03 21 51.2–2.2 6.03S 130.00E 0 3.5,3.5L
¶602391059

IDC Error ellipse: s-maj=94.2km s-min=28.0km az=77.0.
IDC XII 11 04 08 03.2–2.4 6.62S 130.05E 145–36 3.7,3.3
¶602391065

IDC Error ellipse: s-maj=71.9km s-min=16.4km az=91.0.
IDC XII 11 04 52 05.3–1.6 6.79S 128.44E 0 4.7b,4.3
¶602391070

IDC Error ellipse: s-maj=58.9km s-min=28.6km az=76.0.
IDC XII 11 07 42 52.0–2.1 5.75S 130.02E 0 3.6,3.6b
¶602391075

IDC Error ellipse: s-maj=75.4km s-min=29.3km az=76.0.
IDC XII 11 08 27 11.4–2.6 7.09S 128.28E 0 3.8,3.8L
¶602391078

IDC Error ellipse: s-maj=296.9km s-min=31.1km az=66.0.
IDC XII 11 11 45 23.4–2.4 6.01S 130.49E 0 3.5b,3.4
¶602391087

IDC Error ellipse: s-maj=100.0km s-min=30.0km az=77.0.
IDC XII 11 12 29 12.0–2.9 6.57S 129.71E 124–39 3.9,3.5
¶602391088

IDC Error ellipse: s-maj=71.7km s-min=20.9km az=89.0.
IDC XII 11 14 39 07.2–4.8 5.62S 131.50E 0 3.6b,3.5
¶602391099

IDC Error ellipse: s-maj=344.4km s-min=31.4km az=73.0.
ISC XII 11 17 33 12.7–.93 6.73S–.06 130.1E–.10 146 11 6-68
ISCJB XII 11 17 33 12.8–.92 6.71S–.07 130.01E–.09 146 2.8b ¶602391110
IDC XII 11 17 33 14.0–2.1 6.64S 129.95E 139–24 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=9.6km az=9.0.
IDC Error ellipse: s-maj=28.0km s-min=18.6km az=110.0.
ISC XII 11 20 00 34.2–.71 6.51S–.05 129.82E–.07 146 3.7b 20 2-71
ISCJB XII 11 20 00 32.7–.55 6.65S–.05 129.89E–.07 146 3.7b ¶602391118
IDC XII 11 20 00 35.8–2.1 6.55S 129.87E 161–22 4.0,3.6
DJA XII 11 20 00 35.0–.70 7S–3.0 130E–6.0 181–13 4.6b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC XII 11 21 05 05.8–2.0 7.30S 127.37E 0 4.1,4.0L
¶602391121

IDC Error ellipse: s-maj=135.1km s-min=32.6km az=64.0.
IDC XII 11 21 31 01.9–2.8 6.65S 129.81E 145–38 3.5,3.2b
¶602391123

IDC Error ellipse: s-maj=68.1km s-min=20.8km az=89.0.
IDC XII 12 01 14 47.5–2.2 6.05S 129.93E 0 4.0b,3.7
¶602391136

IDC Error ellipse: s-maj=94.6km s-min=27.4km az=76.0.
IDC XII 12 02 36 32.8–2.2 5.97S 130.36E 0 3.9b,3.6
¶602391142

IDC Error ellipse: s-maj=94.4km s-min=27.5km az=77.0.
IDC XII 12 03 26 28.2–1.8 5.04S 124.27E 0 3.9,3.7
¶602391146

IDC Error ellipse: s-maj=138.4km s-min=26.0km az=64.0.
ISC XII 12 04 27 00.8–.91 6.43S–.05 130.1E–.10 146 14 2-68
IDC XII 12 04 26 59.6–2.7 6.58S 130.02E 130–36 4.4,4.1 ¶602391154
ISCJB XII 12 04 27 00.1–.65 6.44S–.04 130.16E–.09 146 4.3b,4.1
DJA XII 12 04 27 03.1–.70 6S–3.0 130E–6.0 102–30 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 12 04 38 48.8–2.7 6.65S 129.86E 142–35 3.9,3.7
¶602391155

IDC Error ellipse: s-maj=64.7km s-min=20.0km az=89.0.
IDC XII 12 06 18 02.8–2.4 5.94S 130.47E 0 3.4,3.3L
¶602391162

IDC Error ellipse: s-maj=146.4km s-min=31.2km az=71.0.
IDC XII 12 08 00 04.7–2.3 5.98S 130.44E 0 3.9,3.7
¶602391169

IDC Error ellipse: s-maj=142.5km s-min=30.7km az=70.0.
IDC XII 12 09 59 44.9–2.9 6.60S 129.73E 133–39 3.7b,3.7
¶602391173

IDC Error ellipse: s-maj=75.6km s-min=20.5km az=89.0.
IDC XII 12 10 08 27.9–2.6 6.61S 129.93E 158–35 3.6,3.4b
¶602391174

IDC Error ellipse: s-maj=66.0km s-min=19.7km az=89.0.
IDC XII 12 10 42 26.0–2.2 6.96S 130.33E 0 3.7,3.7L
¶602391178

IDC Error ellipse: s-maj=124.3km s-min=31.6km az=70.0.
IDC XII 12 10 51 36.6–2.0 6.56S 129.14E 0 4.1,3.9
¶602391179

IDC Error ellipse: s-maj=111.6km s-min=30.9km az=68.0.
IDC XII 12 12 59 36.6–6.5 6.72S 129.38E 100–82 3.5,3.4L
¶602391188

IDC Error ellipse: s-maj=144.3km s-min=25.4km az=82.0.
IDC XII 12 14 03 15.1–1.9 6.73S 129.19E 0 3.9,3.9b
¶602391190

IDC Error ellipse: s-maj=105.5km s-min=30.3km az=68.0.
IDC XII 12 14 37 20.4–4.6 6.68S 129.34E 106–56 3.4,3.3b
¶602391191

IDC Error ellipse: s-maj=85.3km s-min=25.0km az=82.0.
IDC XII 12 17 04 24.4–2.3 7.12S 129.97E 125–25 3.6,3.5b
¶602391196

IDC Error ellipse: s-maj=28.2km s-min=20.6km az=118.0.
IDC XII 12 17 47 18.2–1.8 6.54S 129.07E 0 3.7b,3.5
¶602391198

IDC Error ellipse: s-maj=54.5km s-min=26.5km az=88.0.
IDC XII 12 18 26 09.9–14 5.74S 128.20E 421–204 3.2,2.7b
¶602391200

IDC Error ellipse: s-maj=199.6km s-min=74.5km az=74.0.
IDC XII 12 19 17 13.3–4.8 6.61S 130.17E 161–65 3.3,2.9b
¶602391204

IDC Error ellipse: s-maj=136.2km s-min=22.8km az=80.0.
IDC XII 12 20 16 34.2–5.0 6.69S 129.73E 133–57 4.0,3.8b
¶602391209

IDC Error ellipse: s-maj=107.9km s-min=18.8km az=75.0.
IDC XII 12 21 09 30.2–1.9 6.49S 130.17E 139–21 4.1,3.7b
¶602391210

IDC Error ellipse: s-maj=38.2km s-min=16.3km az=98.0.
IDC XII 13 01 15 20.0–2.2 6.21S 129.85E 0 4.3b,4.3
¶602391222

IDC Error ellipse: s-maj=143.9km s-min=30.0km az=69.0.
IDC XII 13 03 30 36.0–2.1 6.56S 129.03E 0 3.8,3.6
¶602391226

IDC Error ellipse: s-maj=137.6km s-min=31.1km az=67.0.
IDC XII 13 06 52 53.7–2.3 7.48S 129.28E 113–26 4.1,3.8
¶602391238

IDC Error ellipse: s-maj=27.4km s-min=20.9km az=130.0.
IDC XII 13 07 05 40.7–5.5 6.86S 129.30E 88–69 3.9,3.8b
¶602391239

IDC Error ellipse: s-maj=113.4km s-min=25.5km az=83.0.
ISC XII 13 07 10 29.4–.60 6.53S–.05 129.87E–.06 146 3.8b 31 2-71
ISCJB XII 13 07 10 27.6–.44 6.56S–.04 129.86E–.06 146 3.9b ¶602043327
IDC XII 13 07 10 29.7–1.7 6.52S 130.05E 155–18 4.2,3.7
DJA XII 13 07 10 33.0–.50 6S–4.0 130E–5.0 107–25 4.9b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC XII 13 10 03 02.9–8.1 7.38S 129.44E 152–86 4.1,3.6
¶602391253

IDC Error ellipse: s-maj=78.8km s-min=26.3km az=35.0.
IDC XII 13 10 26 54.2–5.2 6.69S 129.51E 112–58 3.6,3.4b
¶602391257

IDC Error ellipse: s-maj=102.9km s-min=20.3km az=75.0.
IDC XII 13 10 38 38.5–1.9 6.84S 128.51E 0 3.3,3.3
¶602391259

IDC Error ellipse: s-maj=64.3km s-min=30.5km az=80.0.
IDC XII 13 12 52 28.1–2.1 5.85S 131.05E 0 3.8b,3.5
¶602391265

IDC Error ellipse: s-maj=99.4km s-min=30.8km az=71.0.
IDC XII 13 19 05 24.7–1.9 6.81S 129.10E 0 3.6,3.4
¶602391278

IDC Error ellipse: s-maj=51.6km s-min=30.3km az=76.0.
ISC XII 13 21 19 26.8–.85 6.51S–.07 129.82E–.08 146 14 2-68
IDC XII 13 21 19 25.2–1.9 6.53S 130.01E 131–19 4.1,4.0b ¶602391282
ISCJB XII 13 21 19 26.6–.63 6.52S–.06 129.83E–.07 146 4.2b,4.0b
DJA XII 13 21 19 28.2–.50 7S–5.0 130E–5.0 188–11 5.2b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC XII 14 03 22 16.6–2.3 5.80S 131.04E 0 3.6,3.6b
¶602391295

IDC Error ellipse: s-maj=109.9km s-min=31.7km az=72.0.
IDC XII 14 04 00 34.2–2.2 6.02S 130.26E 0 3.9b,3.7
¶602391297

IDC Error ellipse: s-maj=125.1km s-min=30.7km az=70.0.
IDC XII 14 07 56 46.5–5.5 7.06S 129.81E 127–72 3.9,3.6
¶602391304

IDC Error ellipse: s-maj=139.7km s-min=23.7km az=81.0.
IDC XII 14 13 24 00.6–3.5 5.79S 131.02E 0 3.6b,3.3
¶602391324

IDC Error ellipse: s-maj=250.5km s-min=31.9km az=72.0.
IDC XII 14 18 02 09.4–5.7 6.52S 129.84E 122–73 3.0,2.8b
¶602391336

IDC Error ellipse: s-maj=123.3km s-min=20.9km az=84.0.
IDC XII 14 18 55 40.3–1.8 6.25S 129.16E 0 3.5b,3.4
¶602391340

IDC Error ellipse: s-maj=64.3km s-min=28.3km az=80.0.
ISC XII 14 19 56 21.8–1.0 6.37S–.10 128.5E–.10 300 3.6b 10 6-70
ISCJB XII 14 19 56 20.4–.61 6.26S–.05 128.50E–.08 300 3.4b ¶602391341
IDC XII 14 19 56 21.3–1.4 6.23S 128.55E 295–17 3.9,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.7km az=9.7.
IDC Error ellipse: s-maj=25.8km s-min=12.4km az=87.0.
IDC XII 14 20 11 49.6–1.4 6.30S 128.84E 326–18 4.0,3.4
¶602391342

IDC Error ellipse: s-maj=26.1km s-min=12.4km az=83.0.
IDC XII 14 21 08 02.8–5.6 7.19S 129.61E 182–75 3.6,3.1
¶602391345

IDC Error ellipse: s-maj=131.7km s-min=19.2km az=82.0.
IDC XII 14 21 12 13.8–4.5 6.56S 130.43E 172–63 3.7,3.3
¶602391347

IDC Error ellipse: s-maj=144.4km s-min=21.8km az=79.0.
ISC XII 14 22 37 25.0–.31 6.32S–.04 130.41E–.04 150 4.7b 199 4-151
BJI XII 14 22 37 18.6 6.66S 130.57E 132 5.1b,4.7b ¶602043612
NEIC XII 14 22 37 23.6–1.3 6.18S 130.29E 124–12 4.8b,4.7b
ISCJB XII 14 22 37 24.4–.20 6.24S–.03 130.39E–.03 150 4.6b,4.7b
IDC XII 14 22 37 25.2–1.7 6.19S 130.33E 141–15 4.7,4.3
MOS XII 14 22 37 25.9–.82 6.17S 130.35E 164 4.7b,4.3
DJA XII 14 22 37 26.5–.20 6S–2.0 130E–2.0 148–3 5.5,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 15 01 15 11.2–1.7 6.97S 128.22E 0 3.9,3.9L
¶602391358

IDC Error ellipse: s-maj=54.6km s-min=28.8km az=77.0.
IDC XII 15 06 05 40.3–1.4 8.00S 124.31E 192–13 4.2,3.8
¶602391365

IDC Error ellipse: s-maj=27.1km s-min=13.8km az=69.0.
IDC XII 15 08 00 49.6–6.5 6.75S 129.89E 174–68 3.7,3.5b
¶602391371

IDC Error ellipse: s-maj=129.6km s-min=24.1km az=72.0.
IDC XII 15 18 52 36.0–2.2 6.61S 130.00E 152–26 3.7,3.2
¶602391405

IDC Error ellipse: s-maj=37.4km s-min=21.6km az=93.0.
ISC XII 15 19 41 24.1–1.0 6.9S–.10 127.2E–.20 407 7 5-71
ISCJB XII 15 19 41 22.7–.89 6.8S–.10 127.2E–.10 407 3.3b ¶602391410
IDC XII 15 19 41 24.9–1.5 6.86S 127.24E 428–23 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=12.8km az=27.3.
IDC Error ellipse: s-maj=34.6km s-min=23.5km az=87.0.
IDC XII 16 05 05 17.0–4.8 6.52S 130.28E 162–66 3.5,3.2b
¶602391443

IDC Error ellipse: s-maj=131.6km s-min=19.4km az=82.0.
IDC XII 16 06 52 49.8–2.2 6.55S 130.07E 144–25 4.0,3.5
¶602391453

IDC Error ellipse: s-maj=39.2km s-min=21.7km az=92.0.
IDC XII 16 15 01 54.4–2.2 6.60S 130.13E 157–24 3.9,3.8b
¶602391471

IDC Error ellipse: s-maj=38.3km s-min=21.3km az=91.0.
ISC XII 16 15 41 31.0–1.3 6.62S–.06 129.8E–.20 150 10 2-68
IDC XII 16 15 41 18.0–1.7 6.83S 128.41E 0 3.9b,3.9L ¶602391474
ISCJB XII 16 15 41 29.6–1.0 6.65S–.05 129.8E–.10 150 3.6b,3.9L
DJA XII 16 15 41 33.7–1.0 7S–9.0 130E–7.0 147–37 5.2b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC XII 16 17 21 16.6–2.0 7.42S 129.39E 131–23 3.5,3.1
¶602391478

IDC Error ellipse: s-maj=32.8km s-min=17.2km az=104.0.
ISC XII 16 18 40 16.5–.52 7.49S–.06 128.81E–.07 131 4.0b 45 3-151
ISCJB XII 16 18 40 14.6–.37 7.49S–.04 128.84E–.05 131 3.9b ¶602320156
NEIC XII 16 18 40 15.3–1.5 7.43S 128.97E 123–15 4.2b

IDC XII 16 18 40 18.1–1.9 7.40S 128.83E 144–17 4.1,3.8
DJA XII 16 18 40 18.0–.40 8S–5.0 129E–4.0 190–12 6.7,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 16 19 56 21.7–.80 7.21S–.06 129.46E–.09 139 3.6b 15 6-72
ISCJB XII 16 19 56 21.6–.66 7.05S–.05 129.42E–.08 139 3.4b ¶602391487
IDC XII 16 19 56 24.1–2.1 7.05S 129.31E 157–23 3.9,3.5
DJA XII 16 19 56 55.5–1.8 8S–17 127E–14 129–30 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XII 16 21 09 42.7–1.5 6.75S 129.61E 0 3.7,3.7b
¶602391490

IDC Error ellipse: s-maj=103.8km s-min=28.4km az=71.0.
IDC XII 16 22 37 44.9–2.3 6.52S 129.68E 0 3.4,3.2
¶602391494

IDC Error ellipse: s-maj=157.6km s-min=31.5km az=69.0.
IDC XII 16 23 43 04.4–8.1 5.60S 127.85E 108–94 4.1L,4.0
¶602391499

IDC Error ellipse: s-maj=121.8km s-min=23.5km az=81.0.
IDC XII 17 01 22 35.3–2.3 5.81S 130.51E 0 4.1,4.0L
¶602391515

IDC Error ellipse: s-maj=141.6km s-min=29.9km az=71.0.
IDC XII 17 03 44 53.8–7.4 6.89S 128.89E 52–94 3.7L,3.6
¶602391520

IDC Error ellipse: s-maj=146.0km s-min=27.4km az=85.0.
IDC XII 17 05 00 02.9–1.5 6.79S 128.35E 0 3.8,3.7
¶602391523

IDC Error ellipse: s-maj=56.8km s-min=28.0km az=74.0.
ISC XII 17 06 45 58.8–.68 6.77S–.05 130.03E–.06 150 34 2-68
IDC XII 17 06 45 47.3–1.5 6.81S 128.53E 0 4.0,4.0b ¶602391505
ISCJB XII 17 06 45 58.7–.42 6.78S–.04 129.97E–.04 150 3.3b,4.0b
NEIC XII 17 06 45 59.9–.46 6.80S 130.01E 142–5 4.7b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=55.4km s-min=27.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.4km az=149.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=67.0.
ISC XII 17 07 18 35.8–.67 6.92S–.05 130.09E–.08 150 4.4b 34 2-72
IDC XII 17 07 18 35.5–8.6 6.88S 129.50E 123–107 4.4,4.3L ¶602391506
ISCJB XII 17 07 18 36.2–.38 6.82S–.03 130.02E–.06 150 4.3b,4.3L
NEIC XII 17 07 18 37.3–1.2 6.80S 130.05E 152–15 4.4b,4.3L
DJA XII 17 07 18 39.3–.40 7S–5.0 130E–4.0 173–18 5.2b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 17 08 18 35.7–8.3 7.52S 128.60E 100–91 3.7L,3.5
¶602391529

IDC Error ellipse: s-maj=74.9km s-min=28.2km az=24.0.
IDC XII 17 08 40 01.0–1.9 7.68S 127.86E 169–22 4.2,3.8
¶602391531

IDC Error ellipse: s-maj=25.2km s-min=19.4km az=133.0.
IDC XII 17 09 00 23.1–1.8 7.77S 127.12E 0 3.6b,3.5
¶602391532

IDC Error ellipse: s-maj=58.3km s-min=30.9km az=73.0.
IDC XII 17 11 09 14.3–2.0 6.35S 129.28E 0 3.9b,3.6
¶602391536

IDC Error ellipse: s-maj=123.9km s-min=30.5km az=68.0.
IDC XII 17 17 44 56.7–8.7 6.77S 129.41E 114–111 3.4b,3.3
¶602391558

IDC Error ellipse: s-maj=206.4km s-min=25.0km az=81.0.
ISC XII 17 18 22 56.1–.73 6.69S–.05 129.98E–.07 146 22 2-68
ISCJB XII 17 18 22 55.8–.56 6.64S–.05 129.81E–.06 146 3.7b ¶602355626
IDC XII 17 18 22 56.0–2.2 6.64S 129.82E 120–24 4.3,4.2
NEIC XII 17 18 22 58.1–.89 6.63S 130.06E 141–11 4.1b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=7.2km az=173.8.
IDC Error ellipse: s-maj=24.4km s-min=18.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.1km az=78.0.
ISC XII 17 21 58 07.3–.70 4.65S–.06 129.6E–.10 200 3.6b 23 4-75
IDC XII 17 21 58 07.9–1.2 4.62S 129.59E 206–13 3.9,3.4 ¶602391574
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=8.7km az=84.0.
IDC XII 18 03 52 51.2–2.6 4.59S 130.37E 246–39 3.5,3.1b
¶602391587

IDC Error ellipse: s-maj=89.6km s-min=13.6km az=76.0.
IDC XII 18 07 32 16.3–3.5 6.47S 130.73E 188–50 3.7,3.4b
¶602391592

IDC Error ellipse: s-maj=120.6km s-min=18.1km az=80.0.
ISC XII 18 13 58 42.9–.83 7.54S–.06 129.26E–.09 131 3.7b 13 6-72
ISCJB XII 18 13 58 41.8–.66 7.37S–.05 129.16E–.08 131 3.6b ¶602391605
IDC XII 18 13 58 44.1–1.7 7.31S 129.05E 141–17 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.9km az=13.0.
IDC Error ellipse: s-maj=21.9km s-min=13.0km az=110.0.
ISC XII 18 14 28 37.6–.99 6.42S–.07 130.3E–.10 146 9 6-68
ISCJB XII 18 14 28 37.7–.94 6.43S–.07 130.18E–.09 146 3.2b ¶602391607
IDC XII 18 14 28 39.5–2.1 6.40S 130.23E 158–28 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=9.9km az=6.2.
IDC Error ellipse: s-maj=39.9km s-min=19.8km az=95.0.
ISC XII 18 19 02 46.0–.52 6.97S–.05 129.91E–.05 200 4.8b 55 2-72
IDC XII 18 19 02 44.0–2.0 6.76S 129.84E 152–20 4.0,3.9 ¶602391581
ISCJB XII 18 19 02 44.1–.33 6.84S–.03 129.85E–.04 200 4.5b,3.9
NEIC XII 18 19 02 44.4–.58 6.62S 129.82E 164–7 4.5b,3.9
DJA XII 18 19 02 45.6–.40 7S–5.0 130E–4.0 140–19 5.0b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 19 03 56 47.7–2.0 6.20S 129.73E 0 4.1,4.1b
¶602391650

IDC Error ellipse: s-maj=83.0km s-min=26.6km az=76.0.
IDC XII 19 07 58 27.9–5.4 6.64S 129.44E 91–68 3.9L,3.8
¶602391658

IDC Error ellipse: s-maj=113.9km s-min=25.1km az=82.0.
IDC XII 19 23 49 37.5–2.7 6.61S 129.86E 141–37 3.6,3.2
¶602391692

IDC Error ellipse: s-maj=67.8km s-min=20.5km az=89.0.
ISC XII 20 02 11 19.4–.29 7.49S–.04 128.59E–.04 151 4.6b 194 3-151
BJI XII 20 02 11 13.0 7.85S 129.12E 149 4.9b,4.8b ¶602052195
MOS XII 20 02 11 18.4–1.3 7.36S 128.54E 150 4.7b,4.8b
ISCJB XII 20 02 11 18.1–.18 7.44S–.02 128.60E–.03 151 4.5b,4.8b
IDC XII 20 02 11 19.7–1.4 7.41S 128.49E 149–12 4.6,4.2
DJA XII 20 02 11 20.0–.30 8S–3.0 129E–2.0 134–5 5.1b,5.0
NEIC XII 20 02 11 20.3–.76 7.39S 128.65E 156–7 4.7b,5.0
ISC Event type se.
MOS Error ellipse: s-maj=14.3km s-min=8.3km az=113.1.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.1km az=156.8.
IDC Error ellipse: s-maj=12.9km s-min=9.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=59.0.
IDC XII 20 04 52 07.4–1.2 6.49S 128.47E 277–18 4.1,3.5
¶602391706

IDC Error ellipse: s-maj=24.1km s-min=12.8km az=114.0.
IDC XII 20 05 00 01.3–2.2 6.56S 130.17E 145–30 4.0s,4.0
¶602391708

IDC Error ellipse: s-maj=58.7km s-min=15.8km az=90.0.
ISC XII 20 07 01 10.7–.57 6.61S–.04 129.89E–.05 146 4.7b 53 2-71
ISCJB XII 20 07 01 09.2–.33 6.57S–.03 129.97E–.04 146 4.5b ¶602052570
IDC XII 20 07 01 11.1–1.7 6.49S 129.92E 147–18 4.4,3.9
NEIC XII 20 07 01 11.7–.98 6.62S 129.98E 158–11 4.6b,3.9
DJA XII 20 07 01 12.3–.60 7S–4.0 130E–5.0 190–11 4.5b,4.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 20 12 33 08.1–2.5 6.00S 130.22E 0 3.5b,3.3
¶602391730

IDC Error ellipse: s-maj=145.7km s-min=32.7km az=70.0.
ISC XII 20 13 29 36.8–.88 6.49S–.07 129.92E–.08 146 14 2-68
ISCJB XII 20 13 29 36.3–.65 6.60S–.06 129.90E–.07 146 3.3b ¶602391735
IDC XII 20 13 29 37.0–2.1 6.62S 129.93E 143–24 4.0,3.6
DJA XII 20 13 29 38.8–.70 7S–7.0 130E–8.0 162–27 5.0b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC XII 20 13 38 03.2–.39 7.09S–.04 129.33E–.05 139 4.6b 104 2-151
ISCJB XII 20 13 38 01.8–.25 7.11S–.03 129.33E–.03 139 4.4b ¶602052920
DJA XII 20 13 38 03.1–.50 7S–5.0 130E–5.0 230–13 4.9,4.7b
IDC XII 20 13 38 03.6–1.8 6.96S 129.41E 142–17 4.5,4.2
BJI XII 20 13 38 04.7 7.01S 129.28E 163 4.8b,4.5b
NEIC XII 20 13 38 04.9–.65 7.07S 129.29E 154–7 4.8b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=139.2.
IDC Error ellipse: s-maj=19.4km s-min=10.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=211.0.
ISC XII 20 13 48 57.0–.69 6.79S–.05 129.94E–.06 150 3.7b 25 2-75
ISCJB XII 20 13 48 56.6–.41 6.83S–.04 129.96E–.05 150 3.7b ¶602391736
IDC XII 20 13 48 57.1–2.1 6.80S 129.83E 129–20 4.2,3.8
DJA XII 20 13 48 57.7–.50 7S–4.0 130E–5.0 142–15 4.9b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 20 16 00 27.3–2.8 6.56S 129.94E 176–39 3.2,2.9b
¶602391739

IDC Error ellipse: s-maj=71.1km s-min=21.7km az=89.0.
IDC XII 21 07 50 33.2–2.7 6.59S 129.84E 150–36 3.7b,3.6
¶602391788

IDC Error ellipse: s-maj=67.6km s-min=20.1km az=89.0.
ISC XII 21 11 59 15.4–.88 6.68S–.06 130.1E–.10 146 12 6-68
ISCJB XII 21 11 59 15.3–.86 6.69S–.07 130.00E–.08 146 3.5b ¶602391811
IDC XII 21 11 59 16.0–2.2 6.67S 129.99E 130–24 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=9.8km az=4.4.
IDC Error ellipse: s-maj=23.9km s-min=15.7km az=87.0.
DJA XII 21 14 42 33.8–.30 7S–3.0 129E–3.0 214–8 4.8,4.7b
¶606793529

ISC XII 21 16 55 01.8–.60 7.02S–.05 129.81E–.06 150 3.9b 37 2-151
IDC XII 21 16 55 00.9–1.9 6.95S 129.64E 104–18 4.3,4.0 ¶602391816
DJA XII 21 16 55 00.4–.30 7S–2.0 130E–4.0 176–6 4.9b,4.8
ISCJB XII 21 16 55 01.6–.34 7.00S–.04 129.80E–.04 150 3.9b,4.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 21 21 18 44.0–.60 7.86S–.05 127.95E–.08 150 3.6b 21 5-127
ISCJB XII 21 21 18 42.7–.47 7.80S–.04 127.88E–.06 150 3.6b ¶602391826
IDC XII 21 21 18 44.8–1.5 7.77S 127.82E 156–14 4.1,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.4km az=7.3.
IDC Error ellipse: s-maj=18.8km s-min=12.5km az=120.0.
IDC XII 21 23 35 43.5–1.8 7.68S 126.07E 0 3.6,3.5L
¶602391835

IDC Error ellipse: s-maj=53.1km s-min=25.7km az=76.0.
ISC XII 22 03 44 00.2–.58 6.56S–.05 129.80E–.06 146 4.1b 42 2-87
ISCJB XII 22 03 43 59.3–.40 6.71S–.03 129.93E–.04 146 4.2b ¶602320554
IDC XII 22 03 44 00.1–2.5 6.65S 129.76E 148–26 4.3,3.9
NEIC XII 22 03 44 02.1–.91 6.62S 129.86E 173–10 4.2b,3.9
DJA XII 22 03 44 02.7–.30 7S–3.0 130E–3.0 156–7 4.9b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 22 05 29 32.3–8.2 7.11S 129.19E 158–86 3.8,3.4
¶602391849

IDC Error ellipse: s-maj=75.9km s-min=25.8km az=38.0.
ISC XII 22 05 56 39.7–.90 7.36S–.06 129.54E–.10 79 11 6-68
ISCJB XII 22 05 56 37.9–1.1 7.25S–.08 129.48E–.08 79 3.4b ¶602391852
IDC XII 22 05 56 42.1–2.3 7.29S 129.37E 108–27 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=11.2km az=150.0.
IDC Error ellipse: s-maj=26.7km s-min=20.3km az=121.0.
ISC XII 22 10 58 26.4–.34 7.15S–.04 129.15E–.04 156 4.7b 121 2-151
ISCJB XII 22 10 58 25.3–.22 7.11S–.03 129.16E–.03 156 4.5b ¶602056312
DJA XII 22 10 58 28.2–.20 7S–2.0 129E–2.0 167–3 5.2b,5.2
NEIC XII 22 10 58 28.3–.55 7.11S 129.13E 174–5 4.7b,5.2
IDC XII 22 10 58 29.0–1.4 7.13S 129.15E 179–12 4.3,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.9km az=10.4.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=217.0.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=72.0.
ISC XII 22 11 07 18.8–.41 4.51S–.04 125.26E–.05 466–4 4.3b 150 3-152
ISCJB XII 22 11 07 17.9–.21 4.49S–.03 125.25E–.03 465–2 4.2b ¶602056313
NEIC XII 22 11 07 18.7–.29 4.51S 125.17E 460–3 4.5b
DJA XII 22 11 07 18.9–.20 5S–2.0 125E–2.0 452–3 4.9,4.8b
IDC XII 22 11 07 18.3–.59 4.48S 125.18E 457–7 4.5,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=156.9.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=55.0.
IDC Error ellipse: s-maj=12.8km s-min=7.1km az=71.0.
ISC XII 22 12 26 56.3–.92 6.39S–.06 130.6E–.20 90 10 6-68
ISCJB XII 22 12 26 56.4–.88 6.31S–.07 130.5E–.20 90 3.6b ¶602391863
IDC XII 22 12 26 57.9–2.8 6.31S 130.49E 87–37 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.7km s-min=9.1km az=171.4.
IDC Error ellipse: s-maj=59.1km s-min=21.5km az=86.0.
ISC XII 22 13 17 00.9–.43 7.22S–.05 126.79E–.07 350 4.0b 56 4-146
ISCJB XII 22 13 16 59.7–.31 7.24S–.04 126.78E–.05 350 3.9b ¶602056317
IDC XII 22 13 16 60.0–1.0 7.21S 126.76E 334–10 4.6,4.0
DJA XII 22 13 17 00.5–.20 7S–3.0 127E–3.0 325–3 5.2,5.0b
ISC Event type ke.
ISCJB Event type ke.
IDC XII 22 14 17 23.3–2.2 6.26S 129.72E 0 3.7b,3.6
¶602391870

IDC Error ellipse: s-maj=90.5km s-min=28.1km az=76.0.
IDC XII 22 18 16 19.0–3.8 5.79S 130.32E 188–54 3.2,2.7
¶602391879

IDC Error ellipse: s-maj=113.5km s-min=18.5km az=81.0.
IDC XII 22 18 49 39.8–2.2 6.83S 129.62E 0 3.4,3.3L
¶602391881

IDC Error ellipse: s-maj=145.0km s-min=31.3km az=68.0.
ISC XII 22 20 37 37.0–.73 7.79S–.06 128.42E–.09 150 3.4b 14 5-72
ISCJB XII 22 20 37 36.1–.59 7.72S–.05 128.34E–.07 150 3.3b ¶602391888
IDC XII 22 20 37 38.0–1.6 7.66S 128.26E 152–17 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.1km az=14.0.
IDC Error ellipse: s-maj=22.4km s-min=13.6km az=122.0.
IDC XII 22 21 21 57.6–1.8 6.48S 129.13E 0 4.1,4.0
¶602391891

IDC Error ellipse: s-maj=185.5km s-min=28.0km az=70.0.
IDC XII 23 03 32 27.3–2.2 6.71S 129.87E 0 3.9b,3.6
¶602391904

IDC Error ellipse: s-maj=88.1km s-min=30.2km az=80.0.
IDC XII 23 05 33 13.4–2.9 6.64S 129.69E 108–39 3.6,3.3
¶602391908

IDC Error ellipse: s-maj=68.7km s-min=21.5km az=90.0.
IDC XII 23 06 31 51.0–2.3 6.18S 129.72E 0 3.5b,3.3
¶602391909

IDC Error ellipse: s-maj=141.4km s-min=32.0km az=69.0.
IDC XII 23 10 57 30.5–1.8 6.78S 128.53E 0 3.6,3.5

¶602391918
IDC Error ellipse: s-maj=57.5km s-min=29.2km az=80.0.
ISC XII 23 20 41 07.7–.90 7.12S–.06 129.9E–.10 104 11 6-68
ISCJB XII 23 20 41 07.4–.78 7.00S–.05 129.81E–.08 104 3.6b ¶602391941
IDC XII 23 20 41 09.1–1.7 6.96S 129.80E 133–19 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.1km az=14.5.
IDC Error ellipse: s-maj=26.4km s-min=13.4km az=114.0.
IDC XII 23 23 03 34.6–4.1 6.65S 128.27E 394–47 3.9,3.2
¶602391950
IDC Error ellipse: s-maj=73.6km s-min=17.2km az=67.0.
ISC XII 23 23 57 14.9–.86 5.89S–.06 130.8E–.20 10 4.1b 11 5-73
ISCJB XII 23 23 57 14.0–.89 5.92S–.07 130.9E–.30 10 4.0b ¶602391954
IDC XII 23 23 57 15.2–1.2 5.79S 130.76E 0 4.2,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.4km s-min=9.7km az=174.6.
IDC Error ellipse: s-maj=69.6km s-min=20.7km az=79.0.
ISC XII 24 03 57 54.6–.67 6.67S–.05 130.13E–.07 146 3.7b 29 2-93
ISCJB XII 24 03 57 54.9–.47 6.59S–.04 130.13E–.05 146 3.6b ¶602391966
IDC XII 24 03 57 56.2–2.1 6.62S 130.23E 149–22 4.2,3.9
DJA XII 24 03 57 58.9–.50 6S–3.0 130E–4.0 134–14 5.4b,4.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 24 05 44 42.7–.85 5.83S–.06 129.1E–.10 264 3.8b 11 5-67
ISCJB XII 24 05 44 42.5–.79 5.81S–.06 128.9E–.10 264 3.6b ¶602391973
IDC XII 24 05 44 43.2–2.3 5.76S 128.87E 248–31 4.5,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=7.9km az=174.0.
IDC Error ellipse: s-maj=42.7km s-min=14.4km az=74.0.
IDC XII 24 10 05 27.6–4.6 6.69S 129.88E 129–58 3.4,3.2
¶602391989
IDC Error ellipse: s-maj=105.8km s-min=24.0km az=80.0.
IDC XII 24 14 51 00.4–2.4 4.99S 129.81E 177–33 4.1,3.7
¶602391996
IDC Error ellipse: s-maj=58.4km s-min=15.3km az=87.0.
ISC XII 24 14 56 16.8–.63 6.94S–.06 125.90E–.10 488 3.5b 29 3-70
ISCJB XII 24 14 56 16.6–.40 6.88S–.04 125.86E–.07 488 3.5b ¶602057940
IDC XII 24 14 56 16.8–.78 6.95S 125.87E 495–11 4.1,3.2
DJA XII 24 14 56 18.1–.40 7S–5.0 126E–5.0 492–7 5.0b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC XII 24 15 35 11.5–3.3 7.21S 124.65E 568–47 3.5,2.7
¶602391999
IDC Error ellipse: s-maj=152.1km s-min=22.7km az=56.0.
IDC XII 24 16 04 20.2–3.0 6.40S 129.83E 100–40 3.5,3.3
¶602392003
IDC Error ellipse: s-maj=72.2km s-min=22.2km az=90.0.
IDC XII 24 17 05 47.8–7.5 4.46S 125.82E 418–98 4.0,3.3
¶602392007
IDC Error ellipse: s-maj=103.2km s-min=36.4km az=59.0.
ISC XII 24 18 07 25.0–.73 6.77S–.05 129.97E–.07 200 3.4b 23 2-71
IDC XII 24 18 07 23.9–2.1 6.72S 129.80E 150–21 4.2,3.8 ¶602392009
ISCJB XII 24 18 07 24.5–.47 6.79S–.04 129.94E–.07 200 3.5b,3.8
DJA XII 24 18 07 25.6–.50 7S–3.0 130E–4.0 189–7 5.4b,4.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 24 19 29 02.3–.48 6.42S–.04 130.17E–.05 146 4.2b 70 2-129
ISCJB XII 24 19 29 01.2–.27 6.45S–.03 130.20E–.03 146 4.1b ¶602374110
DJA XII 24 19 29 01.5–.30 6S–2.0 130E–4.0 168–7 5.0b,4.7
IDC XII 24 19 29 02.1–2.0 6.41S 130.10E 134–20 4.2,3.8
NEIC XII 24 19 29 03.3–.73 6.35S 130.07E 138–8 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=171.0.
IDC Error ellipse: s-maj=20.8km s-min=13.9km az=62.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.6km az=79.0.
ISC XII 24 22 53 23.1–.93 6.80S–.06 130.1E–.10 146 11 6-68
ISCJB XII 24 22 53 23.3–.91 6.75S–.07 129.94E–.08 146 3.9b ¶602392028
IDC XII 24 22 53 24.7–2.1 6.70S 130.03E 152–24 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=9.5km az=179.8.
IDC Error ellipse: s-maj=37.2km s-min=19.3km az=94.0.
ISC XII 25 03 30 33.1–.45 6.79S–.04 130.20E–.04 200 4.9b 65 2-77
IDC XII 25 03 30 27.5–10 6.56S 129.85E 102–104 5.0L,4.5 ¶602058334
NEIC XII 25 03 30 31.4–.91 6.60S 129.97E 148–10 4.7b,4.5
DJA XII 25 03 30 32.4–.20 7S–2.0 130E–2.0 154–4 5.2,5.2b
ISCJB XII 25 03 30 33.6–.33 6.83S–.03 130.02E–.04 200 4.6b,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 25 04 43 53.0–4.8 5.53S 131.67E 0 3.3,3.3b
¶602380567
IDC Error ellipse: s-maj=344.6km s-min=31.3km az=73.0.
IDC XII 25 09 09 15.7–2.4 6.01S 129.18E 0 3.7,3.7b
¶602380578
IDC Error ellipse: s-maj=170.1km s-min=31.8km az=68.0.
IDC XII 25 14 56 22.7–3.0 6.43S 130.71E 199–44 3.4,2.9b
¶602380592
IDC Error ellipse: s-maj=97.2km s-min=21.2km az=79.0.
IDC XII 26 04 26 07.7–1.9 6.43S 129.98E 144–22 4.0,3.5
¶602380618
IDC Error ellipse: s-maj=27.6km s-min=15.2km az=85.0.
IDC XII 26 11 11 08.2–2.0 6.60S 129.85E 0 3.6L,3.5
¶602380636
IDC Error ellipse: s-maj=86.4km s-min=31.1km az=69.0.
IDC XII 26 12 07 23.2–2.4 5.68S 130.61E 0 3.7b,3.3
¶602380638
IDC Error ellipse: s-maj=150.3km s-min=30.6km az=71.0.
IDC XII 26 13 01 56.4–1.7 6.75S 128.41E 0 3.4b,3.3
¶602380639
IDC Error ellipse: s-maj=58.4km s-min=29.2km az=78.0.
ISC XII 26 14 17 29.8–.93 4.17S–.06 129.61E–.05 150 18 0-66
ISCJB XII 26 14 17 29.6–.58 4.17S–.05 129.67E–.06 150 3.3b ¶602380646
IDC XII 26 14 17 31.9–3.7 4.20S 130.31E 173–47 3.6,3.2
DJA XII 26 14 17 32.3–.60 4S–4.0 130E–3.0 131–7 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC XII 26 14 21 25.2–6.6 5.35S 128.89E 132–82 3.6,3.3
¶602380647
IDC Error ellipse: s-maj=124.7km s-min=23.5km az=81.0.
IDC XII 26 19 52 10.1–2.0 7.85S 127.13E 0 3.4b,3.3
¶602380656
IDC Error ellipse: s-maj=283.0km s-min=32.0km az=63.0.
IDC XII 26 22 57 20.3–1.4 5.37S 128.89E 317–20 3.5,2.8
¶602380669
IDC Error ellipse: s-maj=34.3km s-min=16.1km az=97.0.
IDC XII 27 09 33 02.9–2.5 6.39S 129.31E 0 3.7b,3.5
¶602380706
IDC Error ellipse: s-maj=187.9km s-min=31.6km az=68.0.
ISC XII 27 15 38 45.0–.44 7.67S–.04 127.90E–.04 142 4.5b 75 3-151
ISCJB XII 27 15 38 43.8–.29 7.53S–.03 127.89E–.03 142 4.5b ¶602380671
IDC XII 27 15 38 46.5–1.4 7.57S 127.75E 155–14 4.1,3.9
NEIC XII 27 15 38 46.9–.66 7.59S 127.82E 162–7 4.5b,3.9
DJA XII 27 15 38 48.4–.30 8S–4.0 128E–3.0 159–7 4.6b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 27 21 10 44.0–2.3 6.48S 129.79E 0 3.7,3.7L
¶602380733
IDC Error ellipse: s-maj=149.8km s-min=31.2km az=69.0.
IDC XII 27 23 35 35.5–1.9 7.11S 125.94E 0 3.8L,3.7
¶602380743
IDC Error ellipse: s-maj=55.1km s-min=30.9km az=71.0.
IDC XII 28 07 26 15.0–11 5.11S 123.15E 0 4.3,4.2L
¶602380765
IDC Error ellipse: s-maj=219.4km s-min=159.1km az=49.0.
ISC XII 28 10 13 15.0–.42 6.70S–.04 129.89E–.05 146 4.6b 107 2-146
ISCJB XII 28 10 13 14.1–.23 6.71S–.03 130.00E–.03 146 4.5b ¶602060674
NEIC XII 28 10 13 15.0–.73 6.69S 129.86E 151–8 4.4b
IDC XII 28 10 13 15.5–1.7 6.65S 129.85E 147–17 4.6,4.2
DJA XII 28 10 13 16.9–.20 7S–2.0 130E–2.0 149–4 5.2b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 28 11 07 50.8–.48 7.32S–.05 124.43E–.07 545–6 4.3b 124 2-153
NEIC XII 28 11 07 50.0–.24 7.23S 124.35E 542–4 4.3b ¶602060687
ISCJB XII 28 11 07 50.3–.20 7.29S–.03 124.39E–.04 555–3 4.2b
DJA XII 28 11 07 51.0–.20 7S–2.0 124E–2.0 548–3 4.9b,4.6
IDC XII 28 11 07 51.0–.65 7.29S 124.35E 544–7 4.5,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=162.4.
IDC Error ellipse: s-maj=16.6km s-min=7.7km az=73.0.
ISC XII 28 14 27 06.7–.93 6.63S–.06 130.2E–.10 146 10 6-68
ISCJB XII 28 14 27 07.1–.91 6.55S–.07 129.98E–.09 146 3.2b ¶602380786
IDC XII 28 14 27 07.7–2.3 6.56S 129.96E 122–26 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.7km az=8.1.
IDC Error ellipse: s-maj=29.0km s-min=19.5km az=112.0.
IDC XII 28 15 17 22.5–1.9 6.62S 128.84E 0 3.9b,3.6
¶602380787
IDC Error ellipse: s-maj=116.9km s-min=30.1km az=67.0.
IDC XII 29 01 17 29.7–1.7 7.41S 127.86E 0 3.8b,3.5
¶602380810
IDC Error ellipse: s-maj=102.7km s-min=25.1km az=74.0.
ISC XII 29 02 05 26.3–.58 6.71S–.05 130.10E–.07 146 3.8b 30 2-93
ISCJB XII 29 02 05 26.9–.43 6.69S–.04 130.10E–.05 146 3.7b ¶602064206
IDC XII 29 02 05 27.2–2.0 6.51S 130.14E 142–22 4.2,3.9
DJA XII 29 02 05 28.9–.30 7S–3.0 130E–3.0 144–8 5.1b,5.0
ISC Event type ke.
ISCJB Event type ke.
IDC XII 29 08 16 48.3–2.0 6.90S 129.83E 161–26 3.9,3.5
¶602380829
IDC Error ellipse: s-maj=36.1km s-min=19.5km az=96.0.
ISC XII 29 08 33 18.5–.35 6.66S–.04 130.00E–.05 146 4.4b 113 2-134
BJI XII 29 08 33 13.9 7.05S 130.29E 143 5.1b,4.6b ¶602062478
ISCJB XII 29 08 33 17.6–.23 6.64S–.03 129.99E–.03 146 4.4b,4.6b
NEIC XII 29 08 33 20.3–.62 6.52S 129.87E 155–7 4.6b,4.6b
IDC XII 29 08 33 20.0–1.9 6.53S 130.01E 156–19 4.5,4.1
DJA XII 29 08 33 20.7–.20 7S–2.0 130E–2.0 158–4 5.6b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 29 14 10 40.6–.93 6.71S–.06 130.2E–.10 146 11 6-68
ISCJB XII 29 14 10 41.0–.93 6.69S–.07 129.95E–.09 146 3.8b ¶602380843
IDC XII 29 14 10 42.8–2.1 6.62S 130.03E 153–24 3.9,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=9.1km az=9.3.
IDC Error ellipse: s-maj=38.6km s-min=19.2km az=94.0.
ISC XII 29 20 29 50.3–.41 6.59S–.04 129.90E–.05 146 4.5b 94 2-87
ISCJB XII 29 20 29 48.8–.24 6.54S–.03 129.93E–.04 146 4.4b ¶602064907
NEIC XII 29 20 29 52.4–.66 6.61S 129.90E 166–7 4.5b
DJA XII 29 20 29 52.9–.30 7S–3.0 130E–3.0 175–8 4.9b,4.7
IDC XII 29 20 29 52.0–1.9 6.56S 129.87E 159–20 4.5,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.7km az=52.0.
IDC Error ellipse: s-maj=20.7km s-min=12.8km az=66.0.
IDC XII 29 22 05 41.3–7.8 5.56S 128.59E 176–98 3.4,3.0
¶602380861
IDC Error ellipse: s-maj=151.3km s-min=20.8km az=80.0.
ISC XII 29 22 43 52.1–.43 6.68S–.04 129.98E–.06 146 4.5b 88 2-88
ISCJB XII 29 22 43 51.1–.27 6.55S–.03 129.92E–.04 146 4.5b ¶602064911
IDC XII 29 22 43 54.0–1.7 6.47S 130.01E 153–16 4.4,4.0
NEIC XII 29 22 43 54.0–.60 6.59S 129.90E 161–7 4.5b,4.0
DJA XII 29 22 43 55.0–.30 7S–3.0 130E–3.0 169–8 4.9b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 30 00 28 44.7–.89 7.85S–.06 129.70E–.10 35 11 6-150
IDC XII 30 00 28 41.9–1.1 7.61S 129.46E 0 4.2,4.1 ¶602380865
ISCJB XII 30 00 28 43.7–.67 7.70S–.05 129.56E–.07 33 3.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC XII 30 02 46 49.2–2.1 6.59S 130.09E 0 3.8b,3.8
¶602380870
IDC Error ellipse: s-maj=88.5km s-min=27.1km az=77.0.
IDC XII 30 13 37 51.9–2.2 6.38S 129.10E 0 3.2b,3.1
¶602380893
IDC Error ellipse: s-maj=148.9km s-min=31.3km az=68.0.
ISC XII 31 14 15 24.6–.34 7.79S–.04 128.48E–.05 100 4.6b 155 3-151
BJI XII 31 14 15 20.9 7.68S 128.73E 82 5.2b,4.8b ¶602068846
IDC XII 31 14 15 22.1–1.9 7.72S 128.41E 69–17 4.6,4.3
ISCJB XII 31 14 15 22.2–.23 7.85S–.03 128.54E–.03 100 4.6b,4.3
DJA XII 31 14 15 23.4–.20 8S–2.0 129E–2.0 66–6 5.0b,4.9
NEIC XII 31 14 15 23.5–.63 7.71S 128.42E 81–6 4.7b,4.9
MOS XII 31 14 15 23.5–1.2 7.74S 128.40E 102 4.6b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=10.4km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=8.7.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=61.0.
MOS Error ellipse: s-maj=14.9km s-min=7.6km az=109.6.
IDC XII 31 14 18 51.5–4.1 6.76S 127.57E 172–33 3.8,3.3
¶602380494
IDC Error ellipse: s-maj=180.8km s-min=13.3km az=132.0.
ISC XII 31 16 00 31.3–1.2 7.2S–.20 124.4E–.30 550 3.2b 9 3-69
ISCJB XII 31 16 00 30.3–.95 7.1S–.10 124.4E–.20 550 3.3b ¶602380501
IDC XII 31 16 00 32.0–1.6 7.37S 124.02E 560–22 3.7,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.0km s-min=14.7km az=161.0.
IDC Error ellipse: s-maj=99.3km s-min=16.3km az=59.0.

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IDC VII 06 18 56 22.4–1.7 8.69S 130.66E 0 3.7,3.6
¶601663552
IDC Error ellipse: s-maj=50.3km s-min=24.7km az=88.0.
IDC VII 11 07 52 58.2–2.0 6.00S 131.17E 0 3.7,3.6b
¶601664418
IDC Error ellipse: s-maj=117.8km s-min=28.0km az=80.0.
IDC VII 13 04 29 33.9–4.6 7.34S 130.44E 35–45 4.0,4.0b
¶601664514
IDC Error ellipse: s-maj=59.6km s-min=27.1km az=94.0.
IDC VII 16 12 39 15.5–19 7.37S 130.47E 170–220 3.9L,3.8
¶601664674
IDC Error ellipse: s-maj=130.8km s-min=106.4km az=81.0.
ISC VII 17 13 21 02.0–.48 7.17S–.05 131.98E–.06 35 4.1b,3.2s 62 1-149
IDC VII 17 13 20 57.4–.97 7.19S 132.07E 0 4.7L,4.4 ¶601357570
ISCJB VII 17 13 21 00.1–.29 7.19S–.03 131.99E–.04 33 4.2b,3.2s
DJA VII 17 13 21 03.5–.40 7S–4.0 132E–3.0 63–29 5.3b,5.2
NEIC VII 17 13 21 06.5–1.3 7.51S 131.94E 81–13 4.1b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=19.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=169.1.

NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.6km az=48.0.
IDC VII 28 23 58 58.0–6.0 7.02S 130.60E 99–57 4.0,3.8
¶601666594

IDC Error ellipse: s-maj=67.2km s-min=30.1km az=57.0.
IDC VII 29 08 41 15.8–4.4 7.00S 131.96E 0 3.6b,3.4
¶601666618

IDC Error ellipse: s-maj=306.9km s-min=32.8km az=74.0.
ISC VII 31 16 03 31.2–.85 6.45S–.09 131.5E–.20 10 4.5b 18 4-91
ISCJB VII 31 16 03 28.9–.49 6.49S–.07 131.5E–.20 10 4.4b,2.3s **¶601529195**
NEIC VII 31 16 03 31.3–.51 6.43S 131.50E 10 4.7b,2.3s
IDC VII 31 16 03 31.2–1.7 6.83S 130.33E 0 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=7.2km az=164.1.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=8.1km az=75.0.
IDC Error ellipse: s-maj=117.7km s-min=28.5km az=72.0.
ISC VIII 02 07 37 42.7–.20 6.92S–.03 131.22E–.03 47 5.3b,4.4s 657 1-158
BJI VIII 02 07 37 38.3 7.24S 131.37E 44 5.5b,5.5b **¶601503311**
MOS VIII 02 07 37 39.6–.91 6.85S 131.09E 28 5.5b,4.2s
ISCJB VIII 02 07 37 41.1–.14 6.97S–.02 131.20E–.02 47 5.3b,4.4s
IDC VIII 02 07 37 44.0–1.3 6.93S 131.10E 52–10 5.2,4.9
DJA VIII 02 07 37 44.5–.20 7S–2.0 131E–2.0 60–3 6.4,6.0b
NEIC VIII 02 07 37 45.2–.15 6.94S 131.12E 65 5.5W,5.4b
GCMT VIII 02 07 37 46.2–.10 6.88S–.01 131.17E–.01 83–1 5.5W,5.4b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Saumlaki. Felt at Coonawarra and Darwin, Australia. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}0.32 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.53 $M_{\theta\phi}$2.07 $M_{\phi r}$0.44 Best double couple: NP1:ϕ_s164.00000°,δ84.00000°,λ-168.00000°. NP2: ϕ_s73.00000°,δ78.00000°,λ-6.00000°. Principal axes: T 2.2900,Plg4.0000°,Azm298.0000° ; N 0.4600,Plg77.0000°,Azm191.0000°; P -2.7500,Plg12.0000°,Azm29.0000° $M_0$2.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c170; s111,c171;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.03 $M_{\theta\theta}$-1.71±.03; $M_{\phi\phi}$1.40±.03; $M_{r\theta}$0.00±.03; $M_{\theta\phi}$1.54±.03; $M_{\phi r}$0.44±.03; Best double couple: NP1:ϕ_s337.00000°,δ84.00000°,λ168.00000°. NP2:ϕ_s68.00000°,δ79.00000°,λ6.00000°. Principal axes: T 2.1240,Plg13.0000° ,Azm292.0000°; N 0.2280,Plg77.0000°,Azm128.0000°; P -2.3540,Plg4.0000°,Azm23.0000° $M_0$2.23900×10^{17}
IDC VIII 16 14 26 52.5–2.7 7.10S 130.08E 103–37 3.5,3.3
¶601765946

IDC Error ellipse: s-maj=68.2km s-min=22.2km az=91.0.
ISC VIII 20 07 56 55.0–.40 7.21S–.04 131.34E–.05 36 4.3b,3.5s 77 1-150
IDC VIII 20 07 56 50.3–.57 7.07S 131.03E 0 4.6L,4.5 **¶601566550**
ISCJB VIII 20 07 56 52.7–.29 7.17S–.03 131.38E–.04 36 4.4b,3.5s
NEIC VIII 20 07 56 57.8–.60 6.90S 131.17E 52–6 4.2b,3.5s
DJA VIII 20 07 56 57.9–.70 7S–5.0 132E–12 106–16 5.7b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VIII 22 06 29 35.7–14 7.29S 132.04E 103–153 3.3,3.1
¶601766287

IDC Error ellipse: s-maj=88.4km s-min=56.9km az=16.0.
IDC VIII 25 18 13 28.9–2.2 7.33S 130.33E 0 3.4,3.3b
¶601766459

IDC Error ellipse: s-maj=86.5km s-min=28.4km az=78.0.
ISC IX 09 14 20 03.3–1.1 6.54S–.07 131.5E–.10 42 10 6-69
ISCJB IX 09 14 20 00.8–1.0 6.54S–.06 131.52E–.09 42 3.8b **¶601863238**
IDC IX 09 14 20 04.5–2.6 6.39S 131.35E 42–31 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=9.1km az=174.0.
IDC Error ellipse: s-maj=33.1km s-min=23.3km az=105.0.
ISC IX 12 20 42 14.9–.88 6.36S–.06 131.1E–.10 62 12 5-68
ISCJB IX 12 20 42 13.5–.86 6.40S–.06 131.07E–.09 62 3.4b **¶601863431**
IDC IX 12 20 42 16.7–2.6 6.27S 130.91E 66–28 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=8.3km az=178.6.
IDC Error ellipse: s-maj=32.2km s-min=20.9km az=105.0.
ISC IX 23 14 36 50.7–.62 7.08S–.06 130.55E–.07 78 3.8b 32 1-150
ISCJB IX 23 14 36 48.5–.44 6.97S–.04 130.59E–.05 78 4.0b **¶601737061**
IDC IX 23 14 36 48.3–2.1 6.90S 130.30E 47–23 4.3L,4.0
NEIC IX 23 14 36 51.6–.67 6.78S 130.53E 82–8 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.0km az=3.2.
IDC Error ellipse: s-maj=31.4km s-min=14.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.8km az=221.0.
IDC IX 24 05 32 14.5–2.1 8.02S 130.05E 0 3.8,3.8L
¶601864077

IDC Error ellipse: s-maj=133.2km s-min=31.5km az=68.0.
ISC IX 26 17 03 18.2–.84 6.72S–.06 131.82E–.08 46 3.7b 22 1-72
IDC IX 26 17 03 13.8–1.3 6.60S 131.52E 0 4.2,4.0 **¶601864218**
ISCJB IX 26 17 03 16.5–.55 6.66S–.05 131.82E–.07 46 3.9b,4.0
DJA IX 26 17 03 20.5–.50 6S–3.0 132E–5.0 122–11 4.9b,4.6
ISC Event type ke.
ISCJB Event type ke.
ISC X 01 15 54 05.7–.58 8.09S–.05 130.05E–.06 22 3.9b 36 1-73
ISCJB X 01 15 54 03.7–.37 8.06S–.03 130.08E–.04 22 4.1b **¶601826690**
IDC X 01 15 54 03.6–1.2 8.03S 129.76E 0 4.0,4.0L
DJA X 01 15 54 09.7–.40 8S–3.0 130E–3.0 110–10 5.0b,4.4
NEIC X 01 15 54 10.1–.78 8.27S 129.93E 64–9 4.4b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=7.3.
IDC Error ellipse: s-maj=110.8km s-min=20.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.6km az=218.0.
ISC X 11 13 59 33.4–.95 6.69S–.05 131.43E–.09 42 18 1-69
IDC X 11 13 59 28.6–2.0 6.73S 131.54E 0 4.1,4.0 **¶601997892**
ISCJB X 11 13 59 32.1–.68 6.83S–.05 131.48E–.08 42 3.5b,4.0
DJA X 11 13 59 36.9–.30 7S–3.0 131E–4.0 77–13 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 16 14 08 26.8–.87 7.31S–.06 130.01E–.06 100 17 1-68
ISCJB X 16 14 08 24.2–.64 7.40S–.06 130.07E–.07 100 3.9b **¶601998537**
IDC X 16 14 08 26.3–2.4 7.53S 130.20E 81–27 3.9,3.8
DJA X 16 14 08 27.8–.40 7S–4.0 130E–4.0 90–19 4.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC XI 02 20 40 07.5–1.1 7.56S–.09 130.0E–.20 27 5 7-69
IDC XI 02 20 40 10.7–2.5 7.47S 130.40E 57–31 3.4,3.4 **¶602388738**
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=25.0km az=94.0.
ISC XI 11 10 39 32.5–.91 7.13S–.06 130.1E–.10 104 11 6-68
ISCJB XI 11 10 39 32.7–.91 7.06S–.07 129.93E–.09 104 3.3b **¶602389217**
IDC XI 11 10 39 34.3–2.3 7.03S 130.00E 102–28 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=9.7km az=2.6.
IDC Error ellipse: s-maj=39.2km s-min=21.6km az=95.0.
IDC XI 23 03 20 33.4–1.6 8.19S 130.21E 0 3.7,3.7b
¶602389863

IDC Error ellipse: s-maj=79.8km s-min=24.7km az=75.0.
IDC XI 28 03 58 32.0–2.1 6.47S 131.41E 0 3.9,3.8b
¶602390090

IDC Error ellipse: s-maj=91.9km s-min=25.0km az=85.0.
IDC XI 29 06 34 44.3–11 8.01S 130.49E 111–123 3.7,3.7L
¶602390156

IDC Error ellipse: s-maj=73.3km s-min=45.5km az=14.0.
IDC XII 01 03 11 14.8–2.4 7.57S 130.85E 0 3.7b,3.6
¶602390263

IDC Error ellipse: s-maj=96.2km s-min=29.2km az=79.0.
IDC XII 08 05 50 01.7–2.4 6.70S 131.88E 0 3.5b,3.4
¶602390786

IDC Error ellipse: s-maj=157.5km s-min=28.2km az=79.0.
IDC XII 10 19 23 52.5–10 8.26S 130.10E 108–119 3.6L,3.5
¶602391013

IDC Error ellipse: s-maj=70.7km s-min=46.0km az=14.0.
ISC XII 14 16 12 32.9–.91 6.37S–.07 132.51E–.09 35 14 3-69
IDC XII 14 16 12 28.9–1.6 6.14S 132.50E 0 4.3,4.3L **¶602391331**
DJA XII 14 16 12 39.7–2.1 6S–5.0 132E–4.0 21–21 5.3b,5.0b
ISC Event type ke.
IDC XII 15 02 59 32.9–1.9 6.03S 131.88E 240–51 3.5,3.0
¶602391360

IDC Error ellipse: s-maj=246.8km s-min=16.4km az=78.0.
IDC XII 21 06 33 41.6–3.5 6.09S 131.86E 0 3.5b,3.4
¶602391786

IDC Error ellipse: s-maj=219.0km s-min=32.4km az=73.0.
IDC XII 30 18 36 47.9–2.2 7.70S 130.04E 0 3.3,3.2
¶602380901

IDC Error ellipse: s-maj=84.7km s-min=27.1km az=75.0.

(282) South of Jawa.

ISC VII 03 03 46 53.9–1.1 9.77S–.08 112.92E–.08 35 3.8b 13 2-63
IDC VII 03 03 46 49.5–2.4 9.21S 113.33E 0 4.6s,4.6 **¶601663420**
ISCJB VII 03 03 46 53.2–.98 9.81S–.06 112.93E–.09 33 4.5s,3.8b
DJA VII 03 03 46 54.5–.60 10S–5.0 113E–3.0 10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VII 11 15 19 02.7–.91 9.31S–.06 113.33E–.06 10 3.3b 26 1-62
IDC VII 11 15 19 00.5–1.6 9.02S 113.32E 0 3.7,3.6 **¶601664429**
ISCJB VII 11 15 19 03.1–.58 9.35S–.06 113.30E–.04 10 3.3b,3.6
DJA VII 11 15 19 05.7–1.1 9S–5.0 113E–2.0 10–7 5.1b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 13 01 32 02.6–.61 9.71S–.09 112.94E–.07 36 4.0b,3.1s 36 2-145
IDC VII 13 01 31 57.7–.81 9.49S 113.07E 0 4.2,4.0 **¶601271930**
ISCJB VII 13 01 32 00.7–.47 9.88S–.06 112.88E–.05 36 4.0b,3.1s
NEIC VII 13 01 32 02.3–.51 9.64S 113.03E 35 4.0b,3.1s
DJA VII 13 01 32 02.4–.60 10S–8.0 113E–3.0 10 4.7b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 13 11 40 58.3–2.0 11.29S 111.77E 0 4.0,3.9
¶601664522

IDC Error ellipse: s-maj=107.6km s-min=18.4km az=43.0.
ISC VII 14 04 25 30.1–.76 9.79S–.07 112.92E–.06 35 4.2b 35 2-68
IDC VII 14 04 25 25.7–1.5 9.44S 113.13E 0 4.0,4.0 **¶601273218**
ISCJB VII 14 04 25 28.7–.48 9.88S–.04 112.91E–.04 35 4.0b,4.0
NEIC VII 14 04 25 29.5–1.1 9.72S 112.91E 35 4.0b,4.0
DJA VII 14 04 25 29.8–.40 10S–3.0 113E–2.0 10 5.0b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 17 16 11 09.9–1.1 10.80S–.09 112.74E–.06 35 3.6b 16 3-63
IDC VII 17 16 11 07.4–2.4 10.38S 113.05E 0 3.7,3.5 **¶601664729**
ISCJB VII 17 16 11 09.1–.89 10.73S–.06 112.71E–.06 33 3.5b,3.5
DJA VII 17 16 11 09.4–.60 11S–4.0 113E–3.0 10 4.8b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VII 18 21 43 01.0–.78 10.28S–.08 112.59E–.05 35 3.9b 35 2-73
NEIC VII 18 21 42 56.6–1.0 10.37S 112.53E 10 4.0b **¶601479685**
IDC VII 18 21 42 57.2–1.6 9.95S 112.80E 0 4.1,3.9
ISCJB VII 18 21 42 59.2–.54 10.31S–.05 112.58E–.04 33 3.9b,3.9
DJA VII 18 21 43 00.2–1.0 10S–7.0 113E–2.0 18–13 5.1b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 22 05 01 09.0–1.2 10.76S–.10 113.71E–.06 23 3.7b 18 2-64
IDC VII 22 05 01 04.3–2.3 11.09S 113.39E 0 3.9,3.7 **¶601664947**
ISCJB VII 22 05 01 07.1–.82 10.83S–.07 113.68E–.06 23 3.7b,3.4s
DJA VII 22 05 01 09.2–1.2 11S–10 114E–3.0 15–16 4.4,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA VII 31 13 59 17.1–1.0 10S–4.0 111E–4.0 17–6 4.3,4.3
¶601650829
IDC VII 31 14 00 02.1–1.8 9.93S 110.40E 0 4.0,3.9b
¶606346527

IDC Error ellipse: s-maj=67.5km s-min=22.7km az=55.0.
ISC VII 31 14 43 38.0–1.4 9.41S–.07 113.24E–.04 24–10 4.3b,3.0s 66 1-98
IDC VII 31 14 43 39.8–3.4 9.18S 113.32E 31–22 4.1,4.0 **¶601498042**
DJA VII 31 14 43 40.3–.80 9S–4.0 113E–2.0 16–6 4.7b,4.3
NEIC VII 31 14 43 41.0–.71 9.20S 113.36E 46–6 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=13.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=211.0.
ISC VIII 02 17 10 21.8–1.1 9.1S–.10 111.28E–.05 55 3.5b 20 1-66
ISCJB VIII 02 17 10 21.0–.88 9.20S–.08 111.28E–.05 55 3.5b **¶601765361**
DJA VIII 02 17 10 20.1–.70 9S–4.0 111E–2.0 12–4 3.9,3.9
IDC VIII 02 17 10 24.0–3.8 8.66S 111.54E 71–44 3.5,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.3km az=22.4.
IDC Error ellipse: s-maj=65.4km s-min=15.9km az=44.0.
ISC VIII 07 14 32 13.9–1.2 9.48S–.07 112.31E–.04 55–10 4.4b,3.1s 108 2-152
BJI VIII 07 14 32 10.6 9.60S 112.30E 44 5.1b,4.8b **¶601529232**
NEIC VIII 07 14 32 13.7–.67 9.28S 112.44E 51–5 4.5b,4.8b
ISCJB VIII 07 14 32 14.4–.62 9.38S–.05 112.29E–.03 76–4 4.3b,4.8b
IDC VIII 07 14 32 14.4–2.6 9.22S 112.41E 53–23 4.4L,4.3
DJA VIII 07 14 32 15.8–.90 9S–5.0 112E–2.0 38–30 6.3b,6.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 09 09 02 44.3–1.0 9.25S–.10 113.95E–.05 82 3.0b 19 1-63
IDC VIII 09 09 02 36.1–2.7 8.64S 114.32E 0 3.5,3.4 **¶601765692**
DJA VIII 09 09 02 40.6–.50 10S–4.0 114E–2.0 10 4.2,4.2
ISCJB VIII 09 09 02 42.5–.69 9.34S–.07 113.90E–.04 82 3.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 12 13 18 31.5–.81 10.4S–.10 111.02E–.07 35 3.8b 38 2-87
IDC VIII 12 13 18 27.8–1.6 10.04S 111.21E 0 4.1,4.1s **¶601582237**
DJA VIII 12 13 18 31.4–1.7 10S–6.0 111E–3.0 16–21 5.3b,4.7
NEIC VIII 12 13 18 32.0–1.1 10.41S 111.06E 42–10 4.7b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=22.6km az=46.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=8.4km az=45.0.
ISC VIII 18 21 51 40.8–1.2 9.7S–.10 113.00E–.09 35 3.2b 11 2-63
IDC VIII 18 21 51 38.4–3.1 8.36S 114.29E 0 3.6,3.4 **¶601766114**
ISCJB VIII 18 21 51 39.4–1.3 9.89S–.09 112.9E–.10 35 3.3b,3.4
DJA VIII 18 21 51 44.9–1.0 9S–11 113E–4.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 22 08 57.7–1.1 9.75S–.09 112.94E–.06 36 3.1b 14 2-63
IDC VIII 18 22 08 52.3–3.0 9.23S 113.12E 0 3.5,3.4 **¶601766116**
ISCJB VIII 18 22 08 57.4–.89 9.76S–.06 112.94E–.06 36 3.2b,2.6s
DJA VIII 18 22 08 57.9–.60 10S–5.0 113E–3.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 22 01 15 39.2–1.2 9.3S–.10 112.39E–.06 35 14 1-35
IDC VIII 22 01 14 59.3–2.6 6.37S 109.94E 0 4.0,3.9 **¶602028613**
ISCJB VIII 22 01 15 37.5–.87 9.51S–.09 112.38E–.07 33 3.9b,3.9
DJA VIII 22 01 15 41.8–.70 9S–9.0 112E–3.0 88–16 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 22 10 59 45.1–.62 11.99S–.07 109.50E–.06 10 4.6b 109 4-151
BJI VIII 22 10 59 37.7 12.84S 109.84E 9 4.9b,4.7b **¶601610561**
ISCJB VIII 22 10 59 43.0–.46 12.00S–.05 109.41E–.04 10 4.5b,3.2s
IDC VIII 22 10 59 43.4–1.2 11.94S 109.46E 0 5.0L,4.5

NEIC VIII 22 10 59 44.7–.41 12.06S 109.43E 10 4.6b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=30.5.
IDC Error ellipse: s-maj=38.9km s-min=15.5km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.2km az=222.0.
ISC VIII 22 17 38 27.8–1.2 9.40S–.10 113.05E–.04 35 3.2b 22 1-62
IDC VIII 22 17 38 20.5–2.9 9.02S 113.45E 0 3.6,3.4 ¶601766317
DJA VIII 22 17 38 29.3–.40 9S–4.0 113E–2.0 10 3.8,3.8
ISC Event type ke.
ISC VIII 22 18 38 54.4–.77 9.79S–.08 106.82E–.08 35 4.1b 58 2-145
IDC VIII 22 18 38 49.3–1.2 9.76S 106.78E 0 4.7L,4.1 ¶601614661
NEIC VIII 22 18 38 50.5–.72 9.84S 106.73E 10 4.2b,4.1
ISCJB VIII 22 18 38 52.0–.46 9.82S–.04 106.80E–.04 33 4.0b,3.2s
DJA VIII 22 18 38 55.2–.60 10S–6.0 107E–3.0 58–44 5.5b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA VIII 31 15 59 11.7–.60 10S–4.0 108E–3.0 10 4.5b,4.2
¶602028859
ISC IX 03 14 26 44.3–.82 10.89S–.04 113.98E–.04 28–5 4.9b,4.0s 414 2-153
IDC IX 03 14 26 40.4–.35 10.71S 113.96E 0 4.8,4.8L ¶601672868
DJA IX 03 14 26 41.2–.30 11S–3.0 114E–2.0 10 5.5b,5.3
BJI IX 03 14 26 41.7 10.80S 113.90E 16 5.0b,4.7b
NEIC IX 03 14 26 43.4–1.2 10.74S 113.92E 19–7 4.9b,4.7b
GCMT IX 03 14 26 44.3–.30 10.96S–.02 113.99E–.04 21–1 4.9W,4.7b
MOS IX 03 14 26 44.2–1.1 10.63S 113.98E 33 5.1b,4.7b
ISCJB IX 03 14 26 44.0–.53 10.82S–.03 113.92E–.03 39–4 4.8b,4.0s
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c41; s67,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.30±.17 $M_{\theta\theta}$2.40±.10; $M_{\phi\phi}$-0.10±.13; $M_{r\theta}$0.76±.15; $M_{\theta\phi}$-1.01±.07; $M_{\phi r}$-0.02±.27; Best double couple: NP1:ϕ_s283.00000°,δ53.00000°,λ-98.00000°. NP2:ϕ_s117.00000°,δ37.00000°,λ-79.00000°. Principal axes: T 2.8590,Plg8.0000° ,Azm19.0000°; N -0.4350,Plg7.0000°,Azm288.0000°; P -2.4290,Plg80.0000°,Azm159.0000° M_o2.64400×10^{16}
ISCJB Event type se.
ISC IX 03 14 48 06.0–.45 10.93S–.06 113.98E–.06 35 4.4b,3.5s 96 2-153
IDC IX 03 14 48 01.2–.61 10.75S 113.94E 0 4.4,4.4L ¶601672869
NEIC IX 03 14 48 02.9–.33 10.72S 113.95E 10 4.6b,4.4L
ISCJB IX 03 14 48 03.9–.34 10.87S–.04 113.88E–.03 33 4.5b,3.7s
DJA IX 03 14 48 03.9–.60 11S–6.0 114E–2.0 10 6.2b,5.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 03 18 23 08.4–.54 10.68S–.02 113.97E–.02 35–2 6.4b,6.0s 2425 2-179
IDC IX 03 18 23 03.3–.22 10.71S 113.94E 0 6.1,6.1b ¶601672874
BJI IX 03 18 23 03.6 10.77S 113.92E 15 6.6b,6.3s
NEIC IX 03 18 23 04.5–.00 11.01S 113.93E 11 6.6b,6.3s
MOS IX 03 18 23 04.6–.84 10.67S 114.00E 22 6.4b,5.9s
DJA IX 03 18 23 04.9–.60 11S–1.0 114E–1.0 12–4 6.7,6.7b
ISCJB IX 03 18 23 04.9–.46 10.72S–.02 113.94E–.01 23–3 6.3b,6.0s
NEIC IX 03 18 23 05.2–.10 10.71S 113.93E 14 6.7,6.4b
GCMT IX 03 18 23 08.2–.10 10.96S 113.91E 17–0 6.3W,6.4b
ISC Event type fe.
IDC Error ellipse: s-maj=8.7km s-min=7.5km az=44.0.
NEIC Event type se. Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.17 $M_{\theta\theta}$1.81 $M_{\phi\phi}$0.36 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s118.00000° ,δ47.00000°,λ-74.00000°. NP2:ϕ_s276.00000°,δ45.00000°,λ-105.00000°. Principal axes: T 1.9700,Plg0.0000°,Azm197.0000°; N 0.3000,Plg11.0000°,Azm287.0000° ; P -2.2700,Plg78.0000°,Azm102.0000° M_o2.10000×10^{18}
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=112.1.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=27.9.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=216.0. Felt [IV] at Denpasar and [III] at Kuta and Ubud, Bali. Also felt at Baturiti and Gianyar. Felt [III] at Banyuwangi and Malang, Java. Also felt at Lawang and Yogyakarta. Felt at Mataram, Lombok. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.17 $M_{\theta\theta}$2.35 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.26 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s275.00000°,δ55.00000°,λ-91.00000°. NP2:ϕ_s97.00000°,δ35.00000°,λ-88.00000°. Principal axes: T 2.5200,Plg10.0000° ,Azm6.0000°; N -0.2100,Plg1.0000°,Azm275.0000°; P -2.3100,Plg80.0000°,Azm180.0000° M_o2.40000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s123.00000°,δ46.00000°,λ-36.00000°. NP2:ϕ_s240.00000°,δ65.00000°,λ-130.00000°. Principal axes: T Plg11.0000°,Azm358.0000°; N Plg0.0000°,Azm0.0000°; P Plg52.0000° ,Azm102.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c328; s145,c611; Duration: 3s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.07±.02 $M_{\theta\theta}$3.37±.02; $M_{\phi\phi}$-0.29±.02; $M_{r\theta}$1.12±.04; $M_{\theta\phi}$-1.17±.01; $M_{\phi r}$0.29±.05; Best double couple: NP1:ϕ_s275.00000°,δ54.00000° ,λ-105.00000°. NP2:ϕ_s119.00000°,δ38.00000°,λ-70.00000°. Principal axes: T 3.8560,Plg8.0000°,Azm15.0000°; N -0.5120,Plg12.0000°,Azm283.0000° ; P -3.3400,Plg75.0000°,Azm139.0000° M_o3.59800×10^{18}
ISC IX 03 18 50 08.4–.80 10.91S–.10 113.91E–.06 35 4.2b 31 2-74
ISCJB IX 03 18 50 05.9–.76 11.00S–.08 113.83E–.06 33 4.3b ¶601673030
IDC IX 03 18 50 05.0–1.7 10.68S 113.93E 0 4.1,4.0
NEIC IX 03 18 50 05.4–1.1 10.83S 113.80E 10 4.8b,4.0
DJA IX 03 18 50 06.7–1.0 11S–10 114E–3.0 10 4.5,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 03 19 23 02.0–.93 10.8S–.10 113.93E–.08 35 3.8b 22 2-74
IDC IX 03 19 22 56.9–1.0 10.75S 113.90E 0 4.0L,3.9 ¶601862878
ISCJB IX 03 19 22 60.0–.69 10.88S–.07 113.95E–.06 33 3.7b,3.9
DJA IX 03 19 22 59.8–1.3 11S–12 114E–4.0 10 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 03 23 13 17.7–.83 10.9S–.10 113.84E–.07 35 3.8b 20 2-88
IDC IX 03 23 13 13.0–1.0 10.83S 113.83E 0 3.9,3.7 ¶601673746
DJA IX 03 23 13 15.7–1.2 11S–12 114E–4.0 10 4.3,4.3
ISCJB IX 03 23 13 16.3–.72 10.84S–.07 113.82E–.07 33 3.7b,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA IX 04 01 33 00.2–1.0 10S–8.0 114E–7.0 10 3.6,3.6
¶602029078
DJA IX 04 02 09 22.5–1.4 11S–11 114E–3.0 23–21 4.2,4.2
¶602029079
IDC IX 04 07 33 23.1–3.5 10.64S 113.98E 0 3.3,3.2
¶601862911
IDC Error ellipse: s-maj=190.4km s-min=26.1km az=45.0.
ISC IX 04 11 38 18.5–.33 10.92S–.05 113.93E–.04 35 4.5b,3.5s 163 2-153
IDC IX 04 11 38 13.6–.40 10.80S 113.93E 0 4.5,4.5L ¶601673799
NEIC IX 04 11 38 14.9–.23 10.88S 113.86E 10 4.6b,4.5L
MOS IX 04 11 38 14.9–1.5 10.79S 113.90E 22 4.8b,4.5L
ISCJB IX 04 11 38 16.6–.24 10.88S–.03 113.84E–.03 33 4.5b,3.7s
BJI IX 04 11 38 17.7 10.90S 113.80E 31 5.1b,4.7b
DJA IX 04 11 38 18.0–1.0 11S–7.0 114E–2.0 37–36 5.4b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 04 11 48 09.7–.73 10.92S–.08 113.88E–.06 35 3.9b 24 2-153
IDC IX 04 11 48 05.2–.86 10.79S 113.90E 0 4.0,3.9 ¶601862924
ISCJB IX 04 11 48 07.8–.60 10.90S–.06 113.82E–.06 33 3.9b,3.9
DJA IX 04 11 48 08.0–.70 11S–6.0 114E–3.0 10 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 12 07 28.6–.42 10.80S–.03 113.85E–.04 28–2 5.0b,4.3s 850 2-164
IDC IX 04 12 07 24.7–.30 10.71S 113.92E 0 5.0L,4.9 ¶601674434
NEIC IX 04 12 07 26.6–.13 10.77S 113.82E 10 5.2b,4.9
ISCJB IX 04 12 07 27.1–.75 10.82S–.02 113.85E–.02 29–5 5.0b,4.3s
DJA IX 04 12 07 27.1–.90 11S–3.0 114E–2.0 28–10 5.7,5.5b
GCMT IX 04 12 07 27.6–.20 10.96S–.01 113.83E–.02 12 5.1W,5.5b
BJI IX 04 12 07 27.6 10.80S 113.80E 30 5.2b,5.0b
MOS IX 04 12 07 28.2–.93 10.69S 113.89E 33 5.2b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=10.0km s-min=8.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=216.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=40.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c80; s109,c179;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.41±.10 $M_{\theta\theta}$5.06±.08; $M_{\phi\phi}$0.35±.12; $M_{r\theta}$3.32±.27; $M_{\theta\phi}$-1.69±.08; $M_{\phi r}$-0.27±.36; Best double couple: NP1:ϕ_s281.00000°,δ61.00000°,λ-97.00000°. NP2:ϕ_s115.00000°,δ30.00000°,λ-78.00000°. Principal axes: T 6.4950,Plg15.0000° ,Azm16.0000°; N -0.1080,Plg6.0000°,Azm284.0000°; P -6.3810,Plg73.0000°,Azm174.0000° M_o6.43800×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.6km az=116.5.
ISC IX 04 12 35 56.1–.87 10.9S–.10 114.00E–.10 35 3.7b 14 10-153
IDC IX 04 12 35 50.7–.88 10.88S 113.77E 0 4.4L,3.9 ¶601862927
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=13.0km az=49.0.
IDC IX 04 12 42 59.4–2.0 10.95S 113.77E 0 3.8,3.7
¶601862928
IDC Error ellipse: s-maj=77.5km s-min=22.0km az=42.0.
ISC IX 04 12 49 09.3–.31 10.87S–.04 113.85E–.04 35 4.6b,3.5s 182 2-153
IDC IX 04 12 49 04.6–.36 10.77S 113.90E 0 4.6,4.5 ¶601674436
NEIC IX 04 12 49 05.9–.18 10.82S 113.88E 10 4.8b,4.5
ISCJB IX 04 12 49 07.2–.21 10.88S–.02 113.82E–.02 33 4.6b,3.5s
DJA IX 04 12 49 09.5–1.0 11S–6.0 114E–2.0 30–16 5.3b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 04 13 07 21.5–2.3 10.85S 113.64E 0 3.7,3.6
¶601862929
IDC Error ellipse: s-maj=104.6km s-min=21.8km az=47.0.
ISC IX 04 13 12 12.9–1.1 10.93S–.09 113.82E–.08 35 3.6b 17 2-69
IDC IX 04 13 12 08.4–2.2 10.98S 113.64E 0 3.8,3.5 ¶601862930
ISCJB IX 04 13 12 10.8–.89 10.94S–.06 113.80E–.08 33 3.5b,3.5
DJA IX 04 13 12 12.9–.90 11S–6.0 114E–5.0 10 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 13 20 58.6–1.3 10.8S–.10 113.86E–.09 25 3.6b 12 2-64
IDC IX 04 13 20 53.9–2.5 10.97S 113.62E 0 3.8,3.6 ¶601862931
ISCJB IX 04 13 20 56.5–1.0 10.81S–.10 113.83E–.09 25 3.5b,3.6
DJA IX 04 13 20 58.3–1.4 11S–15 114E–5.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
DJA IX 04 13 25 40.8–.90 11S–6.0 114E–4.0 10 3.7,3.7
¶602029116
ISC IX 04 13 31 06.6–.27 10.81S–.04 113.95E–.04 35 5.1b,4.2s 426 2-153
BJI IX 04 13 31 01.8 10.70S 113.90E 10 5.3b,5.0b ¶601674440
IDC IX 04 13 31 02.1–.37 10.65S 113.93E 0 4.9L,4.8
DJA IX 04 13 31 02.5–.50 11S–5.0 114E–2.0 10 5.5b,5.3b
ISCJB IX 04 13 31 04.8–.21 10.74S–.03 113.88E–.02 33 5.0b,4.2s
NEIC IX 04 13 31 04.2–1.4 10.65S 113.91E 14–8 5.2b,4.2s
MOS IX 04 13 31 05.5–1.2 10.58S 113.91E 33 5.3b,4.0s
GCMT IX 04 13 31 06.2–.30 11.06S–.02 114.01E–.04 18–1 5.0W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s75,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01±.23 $M_{\theta\theta}$2.74±.14; $M_{\phi\phi}$0.26±.14; $M_{r\theta}$-0.93±.25; $M_{\theta\phi}$-0.77±.08; $M_{\phi r}$-1.24±.38; Best double couple: NP1:ϕ_s85.00000°,δ54.00000°,λ-116.00000°. NP2:ϕ_s305.00000°,δ43.00000°,λ-58.00000°. Principal axes: T 3.0180,Plg6.0000° ,Azm193.0000°; N 0.6070,Plg21.0000°,Azm101.0000°; P -3.6280,Plg68.0000° ,Azm298.0000° M_o3.32300×10^{16}
ISC IX 04 13 40 11.3–.63 10.90S–.07 113.89E–.05 35 4.3b 70 2-148
IDC IX 04 13 40 07.6–1.4 10.70S 113.84E 0 4.6L,4.3 ¶601862935
NEIC IX 04 13 40 08.9–2.4 10.70S 113.88E 9–15 4.5b,4.3
ISCJB IX 04 13 40 10.0–.45 10.84S–.04 113.83E–.03 33 4.2s,4.2b
DJA IX 04 13 40 12.5–1.0 11S–10 114E–3.0 25–19 4.6,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type ke.
ISC IX 04 13 42 14.9–.29 10.82S–.05 113.87E–.04 35 4.6b 224 2-153
BJI IX 04 13 42 09.5 10.80S 113.90E 10 5.0b,4.7b ¶601675124
IDC IX 04 13 42 09.8–.38 10.79S 113.91E 0 4.6,4.5
MOS IX 04 13 42 11.8–.98 10.75S 113.87E 27 5.0b,4.5
NEIC IX 04 13 42 12.3–1.6 10.82S 113.88E 18–9 4.7b,4.5
ISCJB IX 04 13 42 13.0–.20 10.79S–.03 113.84E–.03 33 4.5b,4.5
DJA IX 04 13 42 14.0–.90 11S–10 114E–2.0 17–15 4.8,4.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 04 13 47 06.9–1.0 11S–10 114E–3.0 19–16 4.0,4.0
¶602029117
ISC IX 04 14 08 27.9–.61 10.79S–.08 113.94E–.06 35 4.1b 57 2-153
IDC IX 04 14 08 23.2–.83 10.85S 113.84E 0 4.2,4.2L ¶601734442
NEIC IX 04 14 08 24.4–3.1 10.76S 113.88E 8–20 4.4b,4.2L
ISCJB IX 04 14 08 25.8–.43 10.82S–.05 113.82E–.04 33 4.0b,4.2L
DJA IX 04 14 08 28.1–1.8 11S–8.0 114E–3.0 33–36 4.4b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 04 14 30 28.8–1.3 11S–17 114E–3.0 27–27 3.9,3.9
¶602029119
ISC IX 04 14 35 15.4–.61 10.94S–.07 113.87E–.06 35 4.2b 58 2-148
NEIC IX 04 14 35 12.5–3.4 10.86S 113.82E 10–22 4.5b ¶601734443
IDC IX 04 14 35 12.0–.93 10.68S 113.89E 0 4.2,4.2
ISCJB IX 04 14 35 13.2–.42 10.96S–.04 113.81E–.04 33 4.1b,4.1s
DJA IX 04 14 35 15.7–1.5 11S–13 114E–4.0 26–27 4.2,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 04 15 02 21.6–.80 11S–18 114E–3.0 79–89 3.6,3.6
¶602029123
ISC IX 04 15 29 33.3–.55 10.85S–.06 113.84E–.05 35 4.1b 60 2-153
IDC IX 04 15 29 29.1–.80 10.75S 113.82E 0 4.6L,4.2 ¶601734445
NEIC IX 04 15 29 30.5–.33 10.78S 113.81E 10 4.3b,4.2
ISCJB IX 04 15 29 31.5–.40 10.84S–.04 113.79E–.03 33 4.1b,4.2
DJA IX 04 15 29 33.4–.40 11S–4.0 114E–2.0 50 4.7b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 04 16 11 20.1–1.0 11S–4.0 114E–4.0 18–6 3.5,3.5
¶602029134
DJA IX 04 16 26 31.1–.70 10S–5.0 114E–2.0 55 3.7,3.7
¶602029135
DJA IX 04 19 24 58.5–1.4 11S–17 114E–4.0 14–22 3.6,3.6
¶602029145
ISC IX 04 19 52 39.2–.52 10.83S–.06 113.79E–.05 35 4.4b 88 2-76
IDC IX 04 19 52 35.4–.95 10.72S 113.91E 0 4.2,4.2L ¶601675127
NEIC IX 04 19 52 36.1–2.8 10.76S 113.83E 8–18 4.6b,4.2L
ISCJB IX 04 19 52 37.5–.32 10.83S–.03 113.74E–.03 33 4.5b,3.7s
DJA IX 04 19 52 39.7–.90 11S–4.0 114E–2.0 38–19 4.6b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 04 20 00 03.0–.70 10.98S–.07 113.78E–.05 35 4.1b 53 3-114
ISCJB IX 04 20 00 00.3–.47 11.03S–.04 113.76E–.04 33 4.3b,3.8s ¶601839163
NEIC IX 04 20 00 01.8–3.2 10.91S 113.85E 24–26 4.4b,3.8s
DJA IX 04 20 00 02.7–.60 11S–3.0 114E–2.0 20–5 4.4b,4.3
IDC IX 04 20 00 04.6–1.5 10.10S 114.82E 0 3.9,3.8

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=36.7.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.4km az=48.0.
IDC Error ellipse: s-maj=64.5km s-min=19.5km az=51.0.

ISC	**IX**	**04 21 19 34.1–.28**	**10.82S–.04**	**113.93E–.04**	**35**	**4.9b,4.4s**	**556**	**2-154**
BJI	IX	04 21 19 27.6	10.80S	114.00E	5	5.3b,4.8b		**¶601675132**
IDC	IX	04 21 19 29.1–.38	10.73S	113.99E	0	5.7L,4.8		
NEIC	IX	04 21 19 31.4–1.6	10.79S	113.99E	15–10	4.9b,4.8		
DJA	IX	04 21 19 31.6–1.4	11S–5.0	114E–2.0	24–15	5.5b,5.4		
MOS	IX	04 21 19 32.9–.95	10.69S	114.07E	38	5.1b,5.4		
GCMT	IX	04 21 19 32.4–.20	10.99S–.01	113.93E–.02	13–0	5.1W,5.4		
ISCJB	IX	04 21 19 32.2–.20	10.80S–.03	113.96E–.02	33	4.8b,4.3s		

ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c63; s92,c151;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.18 $M_{\theta\theta}$5.63±.13; $M_{\phi\phi}$-2.67±.15; $M_{r\theta}$1.75±.30; $M_{\theta\phi}$-1.13±.09; $M_{\phi r}$2.06±.43; Best double couple: NP1:ϕ_s244.00000°,δ67.00000°,λ-136.00000°. NP2:ϕ_s133.00000°,δ50.00000°,λ-31.00000°. Principal axes: T 6.0350,Plg10.0000° ,Azm5.0000°; N -0.7680,Plg42.0000°,Azm266.0000°; P -5.2670,Plg47.0000°,Azm106.0000° $M_0$5.65100×10^{16}

ISCJB Event type se.

ISC	**IX**	**04 22 01 05.6–1.2**	**10.76S–.08**	**113.7E–.10**	**10**	**3.7b**	**11**	**2-68**
IDC	IX	04 22 01 05.8–2.5	10.87S	113.84E	0	4.1,4.1s		**¶601862949**
DJA	IX	04 22 01 19.3–1.0	7S–5.0	114E–4.0	17–6	3.5,3.5		

ISC Event type ke.

DJA	**IX**	**04 23 58 48.1–1.0**	**11S–10**	**114E–3.0**	**33–27**	**3.6,3.6**		
								¶602029160
ISC	**IX**	**05 00 48 06.6–.28**	**10.89S–.04**	**113.87E–.04**	**35**	**4.8b,4.6s**	**269**	**2-151**
IDC	IX	05 00 48 01.9–.40	10.77S	113.88E	0	4.7,4.7b		**¶601675140**
BJI	IX	05 00 48 01.4	10.80S	113.80E	10	5.3b,4.9b		
MOS	IX	05 00 48 03.7–1.2	10.65S	113.90E	21	4.9b,4.9b		
NEIC	IX	05 00 48 04.8–1.7	10.80S	113.85E	19–10	4.9b,4.9b		
ISCJB	IX	05 00 48 05.1–.19	10.80S–.02	113.84E–.02	33	4.7b,4.5s		
DJA	IX	05 00 48 07.0–.30	11S–3.0	114E–1.0	53–16	5.4b,5.0		

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

ISC	**IX**	**05 02 06 53.8–.72**	**10.92S–.08**	**113.74E–.05**	**25**	**4.0b**	**44**	**2-71**
IDC	IX	05 02 06 50.1–.97	10.95S	113.70E	0	4.1,4.0		**¶601675405**
ISCJB	IX	05 02 06 52.3–.47	10.93S–.05	113.76E–.05	25	3.9b,3.5s		
NEIC	IX	05 02 06 54.5–3.4	10.89S	113.74E	26–24	4.0b,3.5s		
DJA	IX	05 02 06 54.6–1.0	11S–10	114E–3.0	10	5.1b,4.5b		

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

ISC	**IX**	**05 03 01 12.0–.56**	**10.91S–.07**	**113.83E–.05**	**35**	**4.3b**	**61**	**2-81**
IDC	IX	05 03 01 08.3–.96	10.78S	113.75E	0	4.4L,4.3		**¶601675406**
NEIC	IX	05 03 01 10.8–3.6	10.70S	113.91E	15–23	4.4b,4.3		
DJA	IX	05 03 01 10.4–1.2	11S–12	114E–3.0	10	5.1b,4.8b		
ISCJB	IX	05 03 01 11.1–.38	10.84S–.04	113.74E–.04	33	4.3b,3.5s		

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

ISC	**IX**	**05 04 13 11.9–1.2**	**10.8S–.10**	**113.8E–.10**	**35**	**4.0b**	**16**	**2-69**
IDC	IX	05 04 13 06.1–2.0	10.96S	113.51E	0	4.0,3.8		**¶601862965**
DJA	IX	05 04 13 08.3–4.0	11S–29	114E–20	10	4.5b,4.3		
ISCJB	IX	05 04 13 10.0–.93	10.82S–.06	113.7E–.10	33	3.8b,4.3		

ISC Event type ke.
ISCJB Event type ke.

DJA	**IX**	**05 05 57 00.8–2.0**	**11S–23**	**114E–6.0**	**16–36**	**3.6,3.6**		
								¶602029176
ISC	**IX**	**05 09 00 39.3–1.3**	**10.7S–.20**	**113.8E–.30**	**23**	**3.9b**	**6**	**22-71**
IDC	IX	05 09 00 35.7–1.4	10.73S	113.71E	0	4.0,3.8		**¶601862976**
ISCJB	IX	05 09 00 37.3–1.2	10.7S–.20	113.7E–.30	23	3.8b,3.8		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**05 17 48 01.5–.60**	**10.82S–.08**	**113.92E–.07**	**35**	**4.2b**	**40**	**2-153**
IDC	IX	05 17 47 56.6–.67	10.78S	113.84E	0	5.0,4.9s		**¶601676700**
NEIC	IX	05 17 47 58.2–.39	10.79S	113.90E	10	4.6b,4.9s		
ISCJB	IX	05 17 47 59.4–.51	10.84S–.05	113.82E–.06	33	4.9s,4.4b		
DJA	IX	05 17 47 59.8–1.9	11S–10	114E–4.0	12–15	4.5,4.5		

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

DJA	**IX**	**05 19 00 20.3–2.5**	**10S–23**	**114E–6.0**	**10**	**3.5,3.5**		
								¶602029224
DJA	**IX**	**05 20 25 05.4–2.1**	**11S–19**	**114E–7.0**	**10**	**3.5,3.5**		
								¶602029229
IDC	**IX**	**05 22 02 38.6–2.5**	**10.64S**	**113.94E**	**0**	**3.5,3.4**		
								¶601863007

IDC Error ellipse: s-maj=124.5km s-min=23.8km az=47.0.

DJA	**IX**	**06 03 47 54.1–1.0**	**11S–4.0**	**114E–3.0**	**22–6**	**3.8,3.8**		
								¶602029255
DJA	**IX**	**06 19 23 24.0–1.2**	**11S–14**	**114E–3.0**	**23–22**	**3.9,3.9**		
								¶602029321
IDC	**IX**	**07 01 23 42.3–3.1**	**10.61S**	**113.82E**	**0**	**3.7s,3.7**		
								¶601863081

IDC Error ellipse: s-maj=166.2km s-min=23.0km az=47.0.

ISC	**IX**	**07 05 21 11.0–.43**	**10.87S–.06**	**113.83E–.05**	**35**	**4.4b**	**96**	**2-153**
IDC	IX	07 05 21 05.8–.80	10.74S	113.99E	0	4.3,4.2		**¶601692014**
ISCJB	IX	07 05 21 08.8–.30	10.81S–.03	113.79E–.03	33	4.5b,4.2s		
NEIC	IX	07 05 21 09.5–2.0	10.81S	113.87E	24–14	4.6b,4.2s		
DJA	IX	07 05 21 09.0–1.0	11S–7.0	114E–2.0	18–12	4.9b,4.8b		

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

ISC	**IX**	**07 06 44 30.6–1.2**	**10.83S–.09**	**113.74E–.08**	**23**	**3.3b**	**13**	**2-64**
IDC	IX	07 06 44 26.4–2.7	10.96S	113.48E	0	3.7,3.5		**¶601863104**
ISCJB	IX	07 06 44 29.5–.95	10.80S–.06	113.77E–.07	23	3.3b,3.5		
DJA	IX	07 06 44 34.4–.80	11S–5.0	114E–3.0	10	3.7,3.7		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**07 09 41 30.2–.40**	**10.88S–.05**	**113.81E–.04**	**35**	**4.6b,3.5s**	**119**	**2-153**
BJI	IX	07 09 41 25.0	10.90S	113.80E	10	4.9b,4.8b		**¶601687355**
NEIC	IX	07 09 41 26.6–.30	10.85S	113.83E	10	4.5b,4.8b		
ISCJB	IX	07 09 41 28.3–.26	10.84S–.03	113.77E–.03	33	4.6b,3.6s		
IDC	IX	07 09 41 29.9–3.9	10.74S	113.90E	29–27	4.6L,4.5		
DJA	IX	07 09 41 30.7–.80	11S–5.0	114E–2.0	24–11	5.1b,4.9		

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

DJA	**IX**	**07 13 08 34.6–4.0**	**11S–18**	**114E–7.0**	**37–52**	**3.5,3.5**		
								¶602029361
ISC	**IX**	**07 13 44 42.0–.70**	**10.91S–.07**	**113.81E–.06**	**35**	**4.1b**	**32**	**2-153**
IDC	IX	07 13 44 37.8–.88	10.79S	113.88E	0	4.5L,4.2		**¶601692028**
ISCJB	IX	07 13 44 40.0–.60	10.93S–.05	113.80E–.05	33	4.0b,3.1s		
DJA	IX	07 13 44 43.9–.50	11S–5.0	114E–2.0	60–24	4.5b,4.5		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**07 14 30 12.0–.50**	**10.84S–.07**	**113.91E–.06**	**35**	**4.3b,3.4s**	**53**	**2-153**
IDC	IX	07 14 30 06.8–.49	10.77S	113.86E	0	4.5,4.4		**¶601692032**
ISCJB	IX	07 14 30 10.0–.41	10.86S–.05	113.82E–.04	33	4.3b,3.6s		
BJI	IX	07 14 30 12.0	10.30S	113.90E	10	4.8b,4.6b		
DJA	IX	07 14 30 16.8–2.0	10S–6.0	114E–2.0	36–26	5.2b,4.7b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**07 14 38 04.3–.96**	**10.9S–.10**	**113.81E–.07**	**35**	**3.9b**	**22**	**2-69**
IDC	IX	07 14 38 00.4–2.1	10.65S	113.99E	0	4.0,3.9		**¶601863118**
ISCJB	IX	07 14 38 02.1–.77	10.95S–.07	113.77E–.07	33	3.9b,3.9		
DJA	IX	07 14 38 05.6–3.2	11S–9.0	114E–3.0	35–45	4.3,4.3		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**07 14 39 44.8–1.8**	**10.8S–.30**	**113.8E–.40**	**25**	**3.9b**	**9**	**14-68**
IDC	IX	07 14 39 40.9–1.7	10.76S	113.75E	0	4.1,3.9		**¶601863119**
ISCJB	IX	07 14 39 42.8–1.5	10.7S–.30	113.9E–.40	25	4.0b,3.9		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**07 14 45 13.0–.45**	**10.93S–.05**	**113.84E–.05**	**35**	**4.3b,3.3s**	**78**	**2-153**
IDC	IX	07 14 45 08.5–.54	10.76S	113.91E	0	4.4,4.3		**¶601692033**
NEIC	IX	07 14 45 10.7–2.5	10.79S	113.87E	15–16	4.3b,4.3		
ISCJB	IX	07 14 45 11.4–.33	10.87S–.03	113.71E–.04	33	4.3b,3.3s		
DJA	IX	07 14 45 11.1–.40	11S–3.0	114E–2.0	10	5.1b,4.8b		

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

DJA	**IX**	**07 16 36 14.4–2.9**	**10S–13**	**114E–5.0**	**32–36**	**3.5,3.5**		
								¶602029370
DJA	**IX**	**07 16 49 37.8–2.4**	**11S–8.0**	**114E–3.0**	**20–37**	**3.7,3.7**		
								¶602029374
ISC	**IX**	**07 17 41 05.7–.56**	**10.83S–.03**	**113.81E–.03**	**32–3**	**5.3b,4.4s**	**942**	**2-175**
IDC	IX	07 17 41 01.2–.35	10.70S	113.85E	0	5.1,5.1		**¶601692036**
NEIC	IX	07 17 41 02.0–1.6	10.73S	113.83E	5–9	5.4b,4.6s		
BJI	IX	07 17 41 03.4	10.80S	113.90E	25	5.0b,5.0b		
MOS	IX	07 17 41 04.7–1.0	10.68S	113.88E	33	5.4b,4.1s		
ISCJB	IX	07 17 41 05.6–.45	10.76S–.02	113.85E–.02	44–3	5.2b,4.5s		
GCMT	IX	07 17 41 06.0–.20	10.98S–.02	113.85E–.02	12	5.0W,4.5s		
DJA	IX	07 17 41 07.7–.30	11S–3.0	114E–2.0	41–17	5.5b,5.5		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c52; s97,c146;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.28±.08 $M_{\theta\theta}$2.21±.07; $M_{\phi\phi}$1.07±.09; $M_{r\theta}$0.65±.24; $M_{\theta\phi}$-1.56±.06; $M_{\phi r}$-0.60±.33; Best double couple: NP1:ϕ_s307.00000°,δ52.00000°,λ-87.00000°. NP2:ϕ_s123.00000°,δ38.00000°,λ-93.00000°. Principal axes: T 3.4150,Plg7.0000° ,Azm35.0000°; N -0.0170,Plg2.0000°,Azm125.0000°; P -3.3980,Plg82.0000°,Azm230.0000° $M_0$3.40700×10^{16}

ISC	**IX**	**07 19 48 53.4–.39**	**10.95S–.05**	**113.79E–.04**	**35**	**4.5b**	**123**	**2-89**
ISCJB	IX	07 19 48 51.3–.25	10.90S–.03	113.70E–.03	33	4.6b,3.1s		**¶601695793**
NEIC	IX	07 19 48 53.1–1.8	10.83S	113.79E	31–13	4.7b,3.1s		
DJA	IX	07 19 48 54.3–.30	11S–3.0	114E–2.0	10	4.9b,4.7b		
IDC	IX	07 19 48 55.7–2.8	10.70S	113.92E	46–28	4.3,4.3L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=135.8.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.6km az=218.0.
IDC Error ellipse: s-maj=28.2km s-min=13.2km az=55.0.

DJA	**IX**	**08 03 03 22.9–1.0**	**11S–7.0**	**114E–2.0**	**30–16**	**6.5,5.9b**		
								¶602029397
DJA	**IX**	**08 03 41 21.0–1.0**	**11S–7.0**	**114E–2.0**	**29–16**	**5.7b,5.3**		
								¶602029400
ISC	**IX**	**08 06 42 03.5–.49**	**10.83S–.06**	**113.81E–.06**	**35**	**4.3b**	**79**	**2-153**
IDC	IX	08 06 41 58.8–.95	10.77S	113.90E	0	4.3,4.1		**¶601737002**
ISCJB	IX	08 06 42 01.7–.32	10.83S–.03	113.79E–.03	33	4.4b,4.1		
NEIC	IX	08 06 42 02.7–2.2	10.77S	113.94E	25–16	4.5b,4.1		
DJA	IX	08 06 42 04.4–.50	11S–4.0	114E–2.0	43–46	5.4b,4.8		

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

ISC	**IX**	**08 06 42 39.4–.47**	**10.83S–.08**	**113.86E–.07**	**35**	**4.4b**	**63**	**5-153**
IDC	IX	08 06 42 34.4–.69	10.79S	113.76E	0	4.4,4.4L		**¶601863153**
NEIC	IX	08 06 42 35.8–.35	10.90S	113.71E	10	4.5b,4.4L		
ISCJB	IX	08 06 42 37.6–.38	10.74S–.06	113.82E–.07	33	4.6b,4.4L		

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

ISC	**IX**	**08 07 36 34.4–3.4**	**10.90S–.05**	**113.98E–.05**	**1–21**	**4.5b**	**154**	**2-153**
IDC	IX	08 07 36 34.4–.45	10.83S	113.98E	0	4.7L,4.4		**¶601695811**
ISCJB	IX	08 07 36 35.0–1.2	10.91S–.02	113.91E–.03	15–8	4.5b,3.6s		
NEIC	IX	08 07 36 37.6–1.8	10.80S	113.98E	19–10	4.5b,3.6s		
DJA	IX	08 07 36 39.2–.30	11S–2.0	114E–2.0	45–10	5.4b,5.0b		

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

ISC	**IX**	**08 09 22 21.3–.44**	**10.93S–.05**	**113.80E–.05**	**35**	**4.5b,3.7s**	**95**	**2-114**
BJI	IX	08 09 22 11.4	11.56S	114.18E	10	4.9b,4.7b		**¶601696486**
IDC	IX	08 09 22 16.2–.64	10.76S	113.85E	0	4.4,4.4L		
NEIC	IX	08 09 22 17.9–.30	10.85S	113.82E	10	4.6b,4.4L		
ISCJB	IX	08 09 22 19.3–.28	10.89S–.03	113.82E–.03	33	4.5b,3.6s		
DJA	IX	08 09 22 19.7–1.0	11S–5.0	114E–2.0	16–11	5.1b,5.0b		

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

DJA	**IX**	**08 09 57 07.3–.60**	**11S–9.0**	**114E–3.0**	**61–78**	**3.9b,3.9**		
								¶602029420
DJA	**IX**	**08 10 01 15.0–.80**	**11S–6.0**	**114E–3.0**	**10**	**3.6,3.6**		
								¶602029421
ISC	**IX**	**08 11 40 51.0–2.9**	**10.97S–.06**	**113.81E–.05**	**12–18**	**4.2b**	**72**	**3-76**
NEIC	IX	08 11 40 51.4–.42	10.89S	113.88E	10	4.4b		**¶601833368**
IDC	IX	08 11 40 51.2–1.1	10.63S	113.99E	0	4.4L,4.3		
DJA	IX	08 11 40 55.2–.90	11S–6.0	114E–2.0	29–14	5.2b,4.6		

ISC Event type se.
NEIC Event type se.

DJA	**IX**	**08 12 01 31.3–1.4**	**11S–12**	**114E–4.0**	**18–20**	**3.6,3.6**		
								¶602029427
DJA	**IX**	**08 12 48 01.9–1.6**	**11S–15**	**114E–5.0**	**10**	**4.0,4.0**		
								¶602029430
ISC	**IX**	**08 14 10 56.4–.96**	**11.0S–.10**	**113.83E–.07**	**35**	**4.0b**	**25**	**3-69**
IDC	IX	08 14 10 52.5–2.0	10.80S	113.84E	0	3.9,3.8		**¶601863171**
ISCJB	IX	08 14 10 54.3–.73	10.98S–.07	113.75E–.06	33	3.8b,3.8		
DJA	IX	08 14 10 58.3–1.3	11S–15	114E–4.0	55–84	5.1b,4.4		

ISC Event type ke.
ISCJB Event type ke.

DJA	**IX**	**08 14 46 00.4–1.2**	**11S–7.0**	**114E–4.0**	**28–13**	**3.5,3.5**		
								¶602029436
ISC	**IX**	**08 17 29 11.8–1.3**	**11.0S–.10**	**113.87E–.09**	**35**	**3.8b**	**14**	**2-69**
IDC	IX	08 17 29 07.5–2.2	10.80S	113.96E	0	3.5,3.4b		**¶601863184**
ISCJB	IX	08 17 29 10.0–.96	10.98S–.07	113.84E–.10	33	3.4b,2.7s		
DJA	IX	08 17 29 12.5–1.2	11S–9.0	114E–7.0	10	3.7,3.7		

ISC Event type ke.
ISCJB Event type ke.

DJA	**IX**	**09 00 49 18.0–1.3**	**11S–12**	**114E–3.0**	**15–16**	**3.6,3.6**		
								¶602029459
IDC	**IX**	**09 06 04 59.2–2.3**	**10.86S**	**113.60E**	**0**	**3.7,3.6**		
								¶601863213

IDC Error ellipse: s-maj=114.3km s-min=26.5km az=48.0.

ISC	**IX**	**09 06 16 24.7–.76**	**10.86S–.07**	**113.90E–.05**	**35**	**3.9b**	**28**	**2-71**
IDC	IX	09 06 16 20.4–1.2	10.70S	113.95E	0	4.1,3.9		**¶601704930**
ISCJB	IX	09 06 16 23.4–.57	10.85S–.04	113.84E–.05	33	3.9b,3.9		
DJA	IX	09 06 16 25.6–.50	11S–3.0	114E–2.0	30	4.5b,4.5		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IX**	**09 09 39 18.7–.39**	**10.91S–.06**	**113.88E–.05**	**35**	**4.8b,4.6s**	**123**	**2-160**
IDC	IX	09 09 39 13.1–.70	10.82S	113.88E	0	4.5,4.5b		**¶601696965**
BJI	IX	09 09 39 15.3	10.80S	113.80E	16	5.3b,5.0		
NEIC	IX	09 09 39 15.0–2.0	10.75S	113.85E	6–12	4.8b,5.0		
ISCJB	IX	09 09 39 16.7–.29	10.86S–.03	113.81E–.03	33	4.7b,4.4s		
DJA	IX	09 09 39 17.8–.60	11S–9.0	114E–2.0	65–55	5.4b,4.8		

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

ISC	**IX**	**09 10 56 22.3–1.2**	**10.72S–.09**	**113.96E–.06**	**35**	**3.4b**	**20**	**2-64**

IDC IX 09 10 56 19.3–3.2 10.16S 114.47E 0 3.6,3.4 ¶601863232
ISCJB IX 09 10 56 20.2–.78 10.75S–.05 113.93E–.05 33 3.3b,3.4
DJA IX 09 10 56 21.6–1.2 11S–10 114E–3.0 34–38 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 10 00 38 29.2–.29 10.85S–.04 113.99E–.05 35 4.6b,4.0s 258 2-153
BJI IX 10 00 38 24.7 10.70S 114.00E 10 5.0b,4.8b ¶601697122
IDC IX 10 00 38 24.2–.43 10.68S 113.98E 0 4.5,4.5
DJA IX 10 00 38 26.6–1.0 11S–3.0 114E–2.0 27–9 5.3b,5.0
NEIC IX 10 00 38 26.3–1.4 10.73S 113.97E 14–9 4.8b,5.0
GCMT IX 10 00 38 27.3–.30 10.86S–.02 113.96E–.04 18–1 4.9W,5.0
ISCJB IX 10 00 38 27.0–.19 10.76S–.03 113.95E–.03 33 4.7b,4.0s
MOS IX 10 00 38 28.0–1.2 10.64S 113.96E 37 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=12.0km az=51.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.1km az=215.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s66,c87;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.82±.15 $M_{\theta\theta}$2.15±.10; $M_{\phi\phi}$-0.33±.12; $M_{r\theta}$1.47±.21; $M_{\theta\phi}$-0.56±.08; $M_{\theta r}$-0.68±.42; Best double couple: NP1:ϕ_s291.00000°,δ64.00000°,λ-81.00000°. NP2:ϕ_s90.00000°,δ27.00000°,λ-109.00000°. Principal axes: T 2.8150,Plg19.0000° ,Azm14.0000°; N -0.4070,Plg8.0000°,Azm107.0000°; P -2.4160,Plg69.0000°,Azm220.0000° M_o2.61500×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=39.2.
MOS Error ellipse: s-maj=10.0km s-min=6.5km az=119.7.
DJA IX 10 01 07 51.9–1.0 11S–4.0 114E–3.0 21–6 3.7,3.7
¶602029516
ISC IX 10 13 28 11.1–.96 10.92S–.09 113.74E–.08 35 3.8b 20 2-69
IDC IX 10 13 28 07.1–1.9 10.68S 113.84E 0 3.8,3.7 ¶601863297
ISCJB IX 10 13 28 08.4–.77 10.99S–.06 113.71E–.08 33 3.7b,3.7
DJA IX 10 13 28 10.4–2.0 11S–16 114E–4.0 20–31 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
DJA IX 10 19 57 18.2–.80 10S–4.0 113E–2.0 17–7 3.7,3.7
¶602029571
DJA IX 10 23 27 17.4–.80 11S–10 114E–3.0 64–72 3.5,3.5
¶602029577
DJA IX 10 23 57 31.1–.70 11S–5.0 114E–3.0 10 3.6,3.6
¶602029581
ISC IX 11 06 03 38.5–.68 10.97S–.08 113.93E–.07 35 4.0b 43 2-140
IDC IX 11 06 03 34.9–1.4 10.71S 114.14E 0 4.1,4.0 ¶601851656
NEIC IX 11 06 03 35.2–.46 10.93S 113.95E 10 4.4b,4.0
ISCJB IX 11 06 03 36.5–.50 10.95S–.06 113.92E–.06 33 4.1b,4.0
DJA IX 11 06 03 38.6–1.2 11S–5.0 114E–3.0 28–9 4.2,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 11 07 48 49.3–.36 10.97S–.05 113.95E–.05 35 4.7b,4.0s 176 2-153
IDC IX 11 07 48 44.2–.51 10.86S 113.91E 0 4.6L,4.5 ¶601703115
BJI IX 11 07 48 45.6 10.90S 113.90E 12 4.8b,4.8b
NEIC IX 11 07 48 46.5–1.7 10.85S 113.92E 15–10 4.9b,4.8b
ISCJB IX 11 07 48 47.3–.27 10.89S–.03 113.92E–.03 33 4.7b,3.9s
MOS IX 11 07 48 47.8–1.4 10.79S 113.94E 33 5.1b,3.9s
DJA IX 11 07 48 48.7–.90 11S–6.0 114E–2.0 31–19 5.0b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 11 11 47 54.1–1.0 10.9S–.10 113.80E–.10 35 3.8b 15 2-69
IDC IX 11 11 47 49.5–1.8 11.03S 113.67E 0 4.0,3.8 ¶601863353
DJA IX 11 11 47 51.9–1.8 11S–16 114E–6.0 10 4.2,4.2
ISCJB IX 11 11 47 52.4–.88 10.90S–.08 113.77E–.08 33 3.8b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 14 08 32.1–.45 10.94S–.06 113.77E–.05 35 4.7b 163 2-155
IDC IX 11 14 08 27.6–.89 10.66S 113.88E 0 4.4,4.3 ¶601705113
BJI IX 11 14 08 29.0 10.70S 113.80E 19 5.0b,4.7b
NEIC IX 11 14 08 30.9–1.4 10.70S 113.80E 20–9 4.8b,4.7b
ISCJB IX 11 14 08 30.4–.29 10.87S–.03 113.73E–.03 33 4.6b,4.7b
DJA IX 11 14 08 31.9–.40 11S–4.0 114E–2.0 62–36 4.9b,4.8b
MOS IX 11 14 08 34.5–.86 10.06S 113.81E 33 5.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=14.5km az=44.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.3km az=212.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=4.0km az=19.9.
MOS Error ellipse: s-maj=18.3km s-min=8.5km az=110.6.
ISC IX 11 14 21 39.6–.26 10.83S–.04 113.77E–.03 35 5.3b,4.1s 720 2-170
IDC IX 11 14 21 34.4–.39 10.71S 113.90E 0 5.0,5.0 ¶601705114
BJI IX 11 14 21 34.0 10.70S 113.80E 10 5.3b,5.1b
DJA IX 11 14 21 36.8–.30 11S–2.0 114E–1.0 13 5.4b,5.2
NEIC IX 11 14 21 36.3–.14 10.71S 113.83E 10 5.3b,5.2
ISCJB IX 11 14 21 37.5–.16 10.80S–.02 113.76E–.02 33 5.2b,4.2s
GCMT IX 11 14 21 38.3–.20 11.05S–.01 113.95E–.03 12 5.0W,4.2s
MOS IX 11 14 21 38.1–1.1 10.62S 113.88E 33 5.6b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=10.3km az=76.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.6km az=135.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c33; s81,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07±.09 $M_{\theta\theta}$2.52±.06; $M_{\phi\phi}$-0.44±.10; $M_{r\theta}$-1.02±.21; $M_{\theta\phi}$-1.11±.06; $M_{\theta r}$-2.19±.33; Best double couple: NP1:ϕ_s76.00000°,δ60.00000°,λ-134.00000°. NP2:ϕ_s319.00000°,δ52.00000°,λ-40.00000°. Principal axes: T 2.9120,Plg5.0000° ,Azm195.0000°; N 1.0260,Plg37.0000°,Azm102.0000°; P -3.9290,Plg52.0000° ,Azm291.0000° M_o3.42000×10^{16}
MOS Error ellipse: s-maj=10.1km s-min=5.4km az=110.1.
ISC IX 11 14 28 05.8–1.1 10.85S–.08 113.79E–.05 35 3.7b 23 2-59
IDC IX 11 14 28 00.2–4.1 11.09S 113.39E 0 4.0,3.8 ¶601863360
ISCJB IX 11 14 28 04.6–.81 10.82S–.06 113.72E–.04 33 3.7b,3.8
DJA IX 11 14 28 06.1–1.0 11S–9.0 114E–2.0 21–14 4.2b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 14 32 09.9–.82 10.89S–.08 113.73E–.06 35 3.8b 45 2-76
IDC IX 11 14 32 06.0–2.1 10.66S 113.83E 0 3.9,3.8 ¶601705116
ISCJB IX 11 14 32 07.5–.51 10.94S–.04 113.70E–.04 33 3.9b,3.8
NEIC IX 11 14 32 09.0–1.7 10.71S 113.81E 22–13 4.4b,3.8
DJA IX 11 14 32 09.6–1.0 11S–9.0 114E–3.0 27–17 4.4b,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA IX 11 14 55 49.6–1.1 11S–9.0 114E–3.0 18–15 4.2b,3.9
¶602029606
DJA IX 11 15 04 22.8–1.3 11S–12 114E–3.0 17–19 3.5,3.5
¶602029608
DJA IX 11 15 06 35.4–1.4 11S–17 114E–4.0 15–21 3.6,3.6
¶602029610
DJA IX 11 15 08 40.1–1.1 11S–12 114E–3.0 32–31 3.6,3.6
¶602029612
ISC IX 11 20 27 43.0–.97 10.83S–.08 113.84E–.06 35 3.6b 22 2-69
IDC IX 11 20 27 38.6–2.3 10.64S 114.08E 0 3.7,3.6 ¶601863375
ISCJB IX 11 20 27 40.9–.70 10.86S–.05 113.80E–.05 33 3.6b,3.6
DJA IX 11 20 27 43.9–1.0 11S–11 114E–3.0 19–17 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 21 22 00.2–1.0 10.80S–.08 113.98E–.09 35 3.7b 24 2-69
ISCJB IX 11 21 21 57.9–.74 10.84S–.04 113.90E–.07 33 3.8b,3.5s ¶601863377
DJA IX 11 21 21 59.8–1.1 11S–10 114E–3.0 19–16 4.7b,4.3
IDC IX 11 21 22 05.2–6.7 10.67S 114.26E 76–60 4.3L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.2km az=167.3.
IDC Error ellipse: s-maj=52.1km s-min=19.4km az=58.0.
ISC IX 12 03 05 32.5–.90 11.02S–.08 113.86E–.05 35 3.9b 29 3-71
IDC IX 12 03 05 28.8–2.4 11.04S 113.61E 0 4.2,4.0 ¶601863396
ISCJB IX 12 03 05 32.3–.70 10.93S–.06 113.80E–.05 33 3.9b,3.9s
DJA IX 12 03 05 35.2–.50 11S–9.0 114E–2.0 87–43 4.8b,4.4
ISC Event type ke.
ISCJB Event type ke.
DJA IX 12 12 30 34.9–1.4 11S–11 114E–3.0 31–36 4.0,4.0
¶602029694
ISC IX 12 18 50 06.9–1.1 10.9S–.10 113.75E–.08 35 3.5b 16 2-69
IDC IX 12 18 50 02.5–1.9 10.90S 113.54E 0 4.0L,3.7 ¶601863427
ISCJB IX 12 18 50 03.5–1.1 11.1S–.10 113.66E–.09 33 3.5b,3.1s
DJA IX 12 18 50 09.4–2.1 11S–18 114E–5.0 24–35 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 12 20 32 45.0–.77 10.88S–.09 113.92E–.07 35 3.7b 26 2-71
IDC IX 12 20 32 40.6–1.1 10.89S 113.84E 0 4.5L,4.0 ¶601863430
ISCJB IX 12 20 32 43.5–.65 10.91S–.07 113.88E–.06 33 3.7b,2.7s
DJA IX 12 20 32 44.9–.70 11S–6.0 114E–3.0 10 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 01 40 30.7–4.6 10.86S–.07 113.95E–.06 16–29 4.1b 57 2-90
IDC IX 13 01 40 28.4–.85 10.90S 113.93E 0 4.1,4.0 ¶601851671
ISCJB IX 13 01 40 30.4–1.7 10.84S–.04 113.99E–.05 25–12 4.2b,2.6s
NEIC IX 13 01 40 30.0–.46 10.90S 113.98E 10 5.1b,2.6s
DJA IX 13 01 40 32.8–.50 11S–4.0 114E–3.0 10 4.0,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 13 05 14 59.9–3.7 10.65S–.08 113.88E–.05 7–23 3.9b 42 2-153
IDC IX 13 05 14 58.6–1.2 10.71S 113.84E 0 4.8L,4.1 ¶601863453
DJA IX 13 05 15 03.0–1.2 11S–8.0 114E–3.0 21–16 5.1b,4.5
ISC Event type ke.
ISC IX 13 06 22 53.7–.94 10.88S–.08 113.94E–.07 35 3.8b 20 2-153
IDC IX 13 06 22 48.5–1.3 11.05S 113.72E 0 4.0,3.8 ¶601863455
DJA IX 13 06 22 50.0–1.0 11S–11 114E–3.0 21–18 4.0,4.0
ISCJB IX 13 06 22 51.2–.77 10.91S–.05 113.87E–.07 33 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 09 20 08.8–1.1 11.00S–.09 113.93E–.09 35 3.8b 17 2-69
ISCJB IX 13 09 20 06.8–.86 11.00S–.06 113.90E–.08 33 3.8b ¶601712971
IDC IX 13 09 20 06.8–2.8 10.54S 114.29E 0 3.9,3.7
DJA IX 13 09 20 07.8–.80 11S–5.0 114E–4.0 10 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 12 58 15.3–.70 10.86S–.08 113.74E–.06 35 4.2b 26 2-89
IDC IX 13 12 58 10.8–.96 10.71S 113.85E 0 4.2,4.1 ¶601712975
ISCJB IX 13 12 58 13.6–.58 10.88S–.06 113.73E–.06 33 4.1b,4.1
DJA IX 13 12 58 16.4–1.1 11S–15 114E–3.0 36–50 4.5,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 12 59 17.2–.75 10.8S–.10 113.8E–.20 25 4.2b,3.0s 13 7-89
IDC IX 13 12 59 13.4–.77 10.78S 113.70E 0 4.2,4.1 ¶601863463
ISCJB IX 13 12 59 15.4–.64 10.7S–.10 113.8E–.20 25 4.1b,3.1s
ISC Event type ke.
ISCJB Event type ke.
DJA IX 13 14 58 30.9–1.5 11S–9.0 114E–9.0 10 3.6,3.6
¶602029787
DJA IX 13 17 59 47.1–1.4 11S–11 114E–3.0 21–21 4.1b,4.0
¶602029800
ISC IX 13 23 40 04.3–1.1 10.92S–.04 113.76E–.04 23–7 5.4b,4.4s 757 2-175
BJI IX 13 23 40 00.5 10.80S 113.70E 6 5.3b,5.2b ¶601713647
ISCJB IX 13 23 40 00.2–.77 10.88S–.02 113.71E–.02 6–4 5.3b,4.4s
IDC IX 13 23 40 01.4–.43 10.72S 113.81E 0 5.0,5.0
NEIC IX 13 23 40 03.0–.14 10.77S 113.76E 10 5.4b,5.0
DJA IX 13 23 40 04.5–.60 11S–2.0 114E–1.0 19–4 5.6b,5.5
MOS IX 13 23 40 05.2–1.1 10.63S 113.82E 33 5.6b,4.4s
GCMT IX 13 23 40 05.0–.20 10.99S–.01 113.86E–.02 12 5.0W,4.4s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Kuta, Bali.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c43; s90,c152;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.66±.10 $M_{\theta\theta}$3.67±.07; $M_{\phi\phi}$-1.01±.11; $M_{r\theta}$0.52±.23; $M_{\theta\phi}$-1.32±.07; $M_{\theta r}$-1.65±.35; Best double couple: NP1:ϕ_s312.00000°,δ60.00000°,λ-53.00000°. NP2:ϕ_s76.00000°,δ46.00000°,λ-136.00000°. Principal axes: T 4.1500,Plg8.0000° ,Azm17.0000°; N -0.4610,Plg31.0000°,Azm112.0000°; P -3.6890,Plg57.0000° ,Azm274.0000° M_o3.91900×10^{16}
ISC IX 14 00 20 14.4–.67 10.83S–.07 113.80E–.08 35 4.1b 26 2-89
IDC IX 14 00 20 10.2–1.4 10.65S 114.01E 0 4.0,3.9 ¶601738693
NEIC IX 14 00 20 12.0–.74 10.55S 114.23E 10 4.4b,3.9
ISCJB IX 14 00 20 12.3–.55 10.88S–.05 113.75E–.08 33 4.2b,3.9
DJA IX 14 00 20 15.1–1.7 11S–12 114E–4.0 15–22 5.0b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 14 01 41 14.5–.99 10.97S–.09 113.96E–.07 35 3.7b 16 2-69
ISCJB IX 14 01 41 12.7–.86 11.04S–.07 113.99E–.07 33 3.6b ¶601863496
IDC IX 14 01 41 14.2–2.9 9.76S 115.07E 0 3.8,3.7
DJA IX 14 01 41 16.0–.80 11S–14 114E–3.0 87–63 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IX 14 01 49 04.8–1.7 11S–14 114E–4.0 26–28 3.8,3.8
¶602029818
DJA IX 14 02 31 38.8–1.6 11S–13 114E–4.0 34–53 3.7,3.7
¶602029821
DJA IX 14 02 58 35.8–1.3 11S–12 114E–6.0 22–23 3.9,3.9
¶602029823
ISC IX 14 12 40 36.5–1.0 11.03S–.07 113.73E–.06 25 3.7b 24 3-64
IDC IX 14 12 40 33.7–2.3 11.00S 113.66E 0 4.0,3.8 ¶601863523
ISCJB IX 14 12 40 35.5–.83 10.90S–.07 113.75E–.06 25 3.7b,3.8
DJA IX 14 12 40 37.5–1.1 11S–4.0 114E–3.0 17–7 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 01 57 14.6–.65 10.83S–.07 113.77E–.06 35 4.1b 43 2-146
IDC IX 15 01 57 10.2–.89 10.59S 113.90E 0 4.2L,4.1 ¶601751706
NEIC IX 15 01 57 11.9–.46 10.57S 113.89E 10 4.2b,4.1
ISCJB IX 15 01 57 12.9–.48 10.85S–.05 113.71E–.05 33 4.0b,2.8s
DJA IX 15 01 57 14.2–.80 11S–4.0 114E–3.0 13–6 4.6b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 15 02 05 05.7–.65 10.92S–.08 113.70E–.06 25 4.1b 35 2-89
IDC IX 15 02 05 02.6–1.2 10.73S 113.66E 0 4.1,4.0 ¶601751707
ISCJB IX 15 02 05 03.5–.54 10.97S–.06 113.69E–.05 25 4.0b,4.0
NEIC IX 15 02 05 04.2–.68 10.72S 113.66E 10 4.2b,4.0
DJA IX 15 02 05 07.4–1.9 11S–6.0 114E–3.0 36–49 6.2b,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 15 02 08 16.6–2.5 10.56S–.08 113.96E–.06 6–14 4.0b 25 2-89
IDC IX 15 02 08 15.2–1.7 10.62S 113.83E 0 4.0,3.9b ¶601863565
DJA IX 15 02 08 23.2–.50 10S–11 114E–3.0 138–20 4.3b,4.1
ISC Event type ke.
IDC IX 15 03 52 48.4–2.4 10.91S 113.87E 0 3.7,3.5
¶601863569
IDC Error ellipse: s-maj=119.2km s-min=22.8km az=45.0.
DJA IX 15 06 42 47.2–.60 9S–5.0 110E–3.0 10 4.4b,3.9
¶602029916
ISC IX 15 07 00 01.5–1.1 11.0S–.10 113.68E–.08 25 3.5b 17 3-69
IDC IX 15 06 59 58.1–2.5 10.94S 113.64E 0 3.7,3.6 ¶601863573
ISCJB IX 15 06 59 59.7–.85 11.03S–.08 113.66E–.07 25 3.6b,3.6
DJA IX 15 07 00 00.4–1.4 11S–13 114E–4.0 10 4.3b,4.1

ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 09 03 01.1–1.6 10.69S–.08 113.73E–.04 40–15 4.0b 76 2-140
IDC IX 15 09 02 55.4–.83 10.58S 113.83E 0 4.1,4.0b **¶602029932**
DJA IX 15 09 02 56.1–.40 11S–5.0 114E–3.0 10 5.8b,5.4
ISCJB IX 15 09 02 59.4–.79 10.71S–.05 113.70E–.03 46–8 4.0b,3.0s
NEIC IX 15 09 02 59.0–2.6 10.70S 113.70E 25–19 4.2b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=16.4km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=16.4.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.2km az=224.0.
DJA IX 15 09 35 37.0–.70 9S–8.0 110E–4.0 10 4.4b,4.2
¶602029936
DJA IX 15 12 33 00.2–1.0 11S–12 114E–3.0 10–15 3.8,3.8
¶602029954
DJA IX 15 16 24 15.6–.80 10S–18 114E–4.0 130–28 3.6,3.6
¶602029976
ISC IX 15 16 32 24.1–.54 10.74S–.03 113.94E–.03 29–3 5.6b,5.2s 1084 2-175
BJI IX 15 16 32 19.0 10.80S 113.95E 5 5.8b,5.5s **¶601717919**
IDC IX 15 16 32 19.8–.31 10.74S 113.86E 0 5.4,5.4b
ISCJB IX 15 16 32 21.7–.53 10.82S–.02 113.83E–.02 25–3 5.6b,5.2s
NEIC IX 15 16 32 21.5–.15 10.73S 113.87E 10 5.7W,5.6W
NEIC IX 15 16 32 21.0–.00 10.87S 113.96E 15 5.7W,5.6W
MOS IX 15 16 32 23.6–.99 10.63S 113.96E 33 5.8b,5.1s
GCMT IX 15 16 32 23.5–.10 10.97S 113.86E 12 5.7W,5.1s
DJA IX 15 16 32 24.4–.50 11S–1.0 114E–1.0 29–4 6.1,6.1b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Kuta and [II] at Denpasar, Tabanan and Ubud, Bali. Also felt at Gianyar and Sukawati. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.36 $M_{r\theta}$2.22 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.78 Best double couple: NP1:ϕ_s291.00000°,δ74.00000°,λ-97.00000°. NP2:ϕ_s136.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 2.8700,Plg28.0000°,Azm27.0000°; N -0.1000,Plg7.0000°,Azm294.0000°; P -2.7800,Plg61.0000°,Azm191.0000° $M_0$2.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.65 $M_{\theta\theta}$3.12 $M_{\phi\phi}$0.54 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s275.00000°,δ56.00000°,λ-100.00000°. NP2:ϕ_s114.00000°,δ35.00000°,λ-74.00000°. Principal axes: T 3.5700,Plg10.0000°,Azm12.0000°; N 0.4500,Plg8.0000°,Azm281.0000°; P -4.0200,Plg76.0000°,Azm151.0000° $M_0$3.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c228; s136,c404; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.68±.03 $M_{\theta\theta}$3.86±.03; $M_{\phi\phi}$-0.18±.03; $M_{r\theta}$2.81±.08; $M_{\theta\phi}$-1.41±.03; $M_{\phi r}$-1.12±.09; Best double couple: NP1:ϕ_s290.00000°,δ64.00000°,λ-87.00000°. NP2:ϕ_s104.00000°,δ27.00000°,λ-96.00000°. Principal axes: T 5.3160,Plg19.0000°,Azm18.0000°; N -0.6160,Plg3.0000°,Azm109.0000°; P -4.7030,Plg71.0000°,Azm207.0000° $M_0$5.00900×10^{17}
ISC IX 15 16 56 44.3–1.3 10.80S–.10 113.88E–.05 35 3.3b 20 2-64
IDC IX 15 16 56 39.5–2.5 10.83S 113.69E 0 3.5,3.3 **¶601863591**
ISCJB IX 15 16 56 42.5–.86 10.78S–.06 113.80E–.04 33 3.3b,3.3
DJA IX 15 16 56 43.8–.70 11S–15 114E–3.0 156–27 4.0,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 15 17 01 31.8–.69 10.78S–.09 113.82E–.06 35 4.0b 49 2-64
NEIC IX 15 17 01 28.7–.58 10.74S 113.80E 10 4.3b **¶601839206**
IDC IX 15 17 01 28.2–1.6 10.66S 113.80E 0 4.3L,4.1
DJA IX 15 17 01 30.9–1.9 11S–12 114E–3.0 17–22 4.7b,4.3
ISC Event type se.
NEIC Event type se.
ISC IX 15 17 14 27.7–.65 10.86S–.07 113.82E–.05 35 4.0b 59 2-64
IDC IX 15 17 14 24.1–1.6 10.95S 113.69E 0 4.2L,4.0 **¶601851685**
ISCJB IX 15 17 14 26.5–.39 10.80S–.03 113.77E–.03 33 4.1b,4.0
NEIC IX 15 17 14 26.5–3.6 10.73S 113.86E 18–25 4.3b,4.0
DJA IX 15 17 14 30.3–.50 11S–10 114E–2.0 114–21 4.1,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 15 17 25 48.8–1.0 10.73S–.07 113.79E–.05 36–2 3.9b 48 2-99
IDC IX 15 17 25 41.5–2.5 11.12S 113.27E 0 4.5s,4.5 **¶601851686**
NEIC IX 15 17 25 45.3–.53 10.80S 113.79E 10 4.2b,4.5
ISCJB IX 15 17 25 47.4–.83 10.74S–.05 113.75E–.04 43–9 4.5s,4.3b
DJA IX 15 17 25 49.0–.60 11S–6.0 114E–2.0 120–16 4.0,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 15 17 33 37.9–.64 10.90S–.06 113.86E–.05 35 3.8b 50 2-69
IDC IX 15 17 33 34.6–1.4 10.72S 113.88E 0 4.2L,3.9 **¶601851687**
NEIC IX 15 17 33 36.0–.54 10.74S 113.94E 10 4.5b,3.9
ISCJB IX 15 17 33 37.4–.43 10.81S–.03 113.83E–.04 33 4.0b,3.9
DJA IX 15 17 33 39.5–.50 11S–3.0 114E–2.0 10 5.1b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 15 17 35 43.5–.53 10.82S–.03 113.84E–.03 31–3 5.2b,4.4s 662 2-153
IDC IX 15 17 35 39.4–.37 10.71S 113.91E 0 5.0,4.9 **¶601717922**
NEIC IX 15 17 35 41.0–.12 10.74S 113.88E 10 5.3b,4.9
BJI IX 15 17 35 41.5 10.90S 113.90E 30 5.3b,5.0b
ISCJB IX 15 17 35 42.9–.42 10.83S–.02 113.90E–.02 38–3 5.2b,4.3s
GCMT IX 15 17 35 42.0–.20 11.03S–.01 113.86E–.02 14–0 5.1W,4.3s
DJA IX 15 17 35 43.9–.30 11S–3.0 114E–1.0 58–13 6.6,5.5b
MOS IX 15 17 35 43.1–1.0 10.64S 113.92E 33 5.4b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=9.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=222.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=40.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s107,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.46±.21 $M_{\theta\theta}$5.33±.15; $M_{\phi\phi}$0.12±.14; $M_{r\theta}$-0.46±.27; $M_{\theta\phi}$-1.37±.09; $M_{\phi r}$-1.21±.35; Best double couple: NP1:ϕ_s91.00000°,δ47.00000°,λ-108.00000°. NP2:ϕ_s297.00000°,δ46.00000°,λ-72.00000°. Principal axes: T 5.6710,Plg1.0000°,Azm194.0000°; N 0.0830,Plg13.0000°,Azm104.0000°; P -5.7600,Plg77.0000°,Azm287.0000° $M_0$5.71500×10^{16}
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=121.6.
IDC IX 15 17 57 15.2–2.6 10.83S 113.64E 0 3.5,3.3
¶601863594
IDC Error ellipse: s-maj=108.0km s-min=23.6km az=49.0.
ISC IX 15 18 19 52.8–1.8 10.80S–.05 113.82E–.04 4–11 4.0b 55 2-89
IDC IX 15 18 19 53.5–.98 10.73S 113.88E 0 4.4L,4.1 **¶601851688**
NEIC IX 15 18 19 54.9–.52 10.80S 113.92E 10 4.0b,4.1
DJA IX 15 18 20 03.1–.50 11S–5.0 114E–3.0 51–29 4.8b,4.4
ISC Event type se.
NEIC Event type se.
ISC IX 15 18 37 14.8–1.2 10.96S–.08 113.66E–.08 25 3.6b 17 3-64
IDC IX 15 18 37 11.5–2.5 10.91S 113.46E 0 3.6,3.5 **¶601863595**
ISCJB IX 15 18 37 14.4–1.0 10.86S–.06 113.62E–.07 25 3.5b,3.5
DJA IX 15 18 37 27.6–1.1 10S–24 114E–5.0 149–28 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IX 15 18 41 58.0–2.7 11.08S 113.61E 0 3.5,3.3
¶601863596
IDC Error ellipse: s-maj=131.4km s-min=23.9km az=45.0.
DJA IX 15 19 10 49.6–.70 10S–19 114E–4.0 144–32 4.0,4.0
¶602029987
ISC IX 15 19 15 31.2–1.1 10.89S–.09 113.98E–.09 35 3.7b 20 2-64
IDC IX 15 19 15 26.1–1.6 10.91S 113.76E 0 3.9,3.8 **¶601863598**
ISCJB IX 15 19 15 29.8–.80 10.89S–.06 113.98E–.07 33 3.7s,3.7b
DJA IX 15 19 15 31.7–1.1 11S–14 114E–3.0 24–19 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IX 16 00 01 08.5–1.4 11S–15 114E–6.0 10–22 3.8,3.8
¶602030001
ISC IX 16 01 43 09.7–.91 10.81S–.08 113.89E–.06 10 3.7b 21 2-68
IDC IX 16 01 43 07.8–2.1 11.04S 113.55E 0 3.8,3.7 **¶601863627**
ISCJB IX 16 01 43 09.0–.76 11.00S–.08 113.84E–.09 10 3.6b,3.7
DJA IX 16 01 43 18.9–.90 10S–13 114E–3.0 92–53 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 16 02 22 52.2–.00 10.93S–.08 113.91E–.07 35 3.7b 22 2-69
IDC IX 16 02 22 46.9–1.6 11.00S 113.63E 0 3.9,3.8 **¶601863629**
ISCJB IX 16 02 22 50.3–.76 10.95S–.05 113.83E–.07 33 3.8b,2.7s
DJA IX 16 02 22 52.6–1.1 11S–11 114E–3.0 22–18 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IX 16 07 59 15.4–1.6 11S–15 114E–6.0 14–23 3.8,3.8
¶602030024
ISC IX 16 13 13 32.6–2.6 10.92S–.06 113.75E–.05 27–19 4.3b 82 2-151
IDC IX 16 13 13 29.8–.86 10.68S 113.87E 0 4.2,4.2 **¶601734498**
NEIC IX 16 13 13 30.5–.37 10.80S 113.74E 10 4.3b,4.2
ISCJB IX 16 13 13 31.2–1.3 10.87S–.03 113.70E–.03 31–10 4.4b,3.0s
DJA IX 16 13 13 34.2–.40 11S–3.0 114E–2.0 25 5.2b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 16 14 40 37.0–1.3 11S–13 114E–3.0 23–21 3.6,3.6
¶602030059
ISC IX 16 15 32 57.4–.30 10.87S–.04 113.84E–.04 35 4.8b,3.6s 255 2-153
IDC IX 16 15 32 52.9–.43 10.71S 113.84E 0 4.8,4.8 **¶601717991**
ISCJB IX 16 15 32 55.5–.22 10.81S–.02 113.79E–.02 33 4.8b,3.7s
NEIC IX 16 15 32 55.6–1.2 10.72S 113.87E 18–7 4.9b,3.7s
GCMT IX 16 15 32 55.6–.50 10.90S–.03 113.76E–.05 23–1 4.8W,3.7s
DJA IX 16 15 32 55.9–.20 11S–2.0 114E–2.0 27 5.2b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c27; s66,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.21 $M_{\theta\theta}$1.93±.13; $M_{\phi\phi}$0.06±.13; $M_{r\theta}$0.41±.14; $M_{\theta\phi}$-0.37±.06; $M_{\phi r}$-0.04±.21; Best double couple: NP1:ϕ_s280.00000°,δ51.00000°,λ-92.00000°. NP2:ϕ_s102.00000°,δ39.00000°,λ-88.00000°. Principal axes: T 2.0430,Plg6.0000°,Azm11.0000°; N -0.0030,Plg1.0000°,Azm281.0000°; P -2.0430,Plg84.0000°,Azm179.0000° $M_0$2.04300×10^{16}
DJA IX 17 10 31 20.3–.70 11S–13 114E–2.0 119–32 4.0,4.0
¶602030123
DJA IX 17 12 54 40.0–1.8 11S–16 114E–7.0 10 3.7,3.7
¶602030129
ISC IX 17 13 27 27.0–.43 10.97S–.05 113.88E–.04 35 4.5b,3.5s 109 2-153
BJI IX 17 13 27 15.1 11.76S 114.27E 6 5.1b,4.8s **¶601721523**
NEIC IX 17 13 27 23.5–.35 10.88S 113.81E 10 4.7b,4.8s
ISCJB IX 17 13 27 25.1–.31 10.93S–.03 113.81E–.03 33 4.4b,3.6s
IDC IX 17 13 27 27.9–4.8 10.76S 113.97E 33–37 4.5L,4.3
DJA IX 17 13 27 27.9–.30 11S–4.0 114E–2.0 91–12 5.2b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 17 14 19 23.1–1.4 10.86S–.04 113.79E–.04 10–8 4.8b,3.8s 460 2-153
ISCJB IX 17 14 19 21.4–.22 10.88S–.03 113.74E–.03 10 4.7b,3.8s **¶601721526**
IDC IX 17 14 19 21.9–.43 10.76S 113.80E 0 5.0L,4.7
BJI IX 17 14 19 22.0 10.80S 113.80E 6 5.1b,4.8s
NEIC IX 17 14 19 24.2–1.4 10.78S 113.82E 16–8 4.8b,4.8s
MOS IX 17 14 19 24.9–.99 10.71S 113.86E 33 5.0b,4.8s
GCMT IX 17 14 19 25.2–.40 11.00S–.02 113.83E–.05 18–1 4.8W,4.8s
DJA IX 17 14 19 26.3–.70 11S–2.0 114E–2.0 18–5 5.2b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c20; s71,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.27±.17 $M_{\theta\theta}$1.66±.10; $M_{\phi\phi}$0.61±.11; $M_{r\theta}$0.44±.20; $M_{\theta\phi}$-0.67±.06; $M_{\phi r}$-0.52±.31; Best double couple: NP1:ϕ_s302.00000°,δ53.00000°,λ-83.00000°. NP2:ϕ_s111.00000°,δ37.00000°,λ-99.00000°. Principal axes: T 2.0720,Plg8.0000°,Azm27.0000°; N 0.3190,Plg6.0000°,Azm118.0000°; P -2.3860,Plg80.0000°,Azm242.0000° $M_0$2.22900×10^{16}
IDC IX 17 15 52 11.7–2.5 10.90S 113.95E 0 3.6,3.4
¶601863714
IDC Error ellipse: s-maj=124.5km s-min=23.8km az=45.0.
DJA IX 17 16 35 17.1–3.3 11S–10 114E–5.0 18–54 3.6,3.6
¶602030143
ISC IX 17 18 03 45.3–2.1 10.82S–.07 113.91E–.05 26–17 3.6b 49 2-69
IDC IX 17 18 03 41.9–2.1 10.65S 113.97E 0 3.6,3.5 **¶602030148**
ISCJB IX 17 18 03 44.6–.83 10.83S–.05 113.85E–.04 40–10 3.5s,3.4b
DJA IX 17 18 03 46.6–1.0 11S–7.0 114E–2.0 17–13 4.8b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 17 20 28 32.2–.91 10.80S–.08 113.86E–.07 35 4.0b,4.0s 36 2-86
IDC IX 17 20 28 28.2–1.9 10.56S 114.03E 0 4.0,3.9 **¶601721787**
ISCJB IX 17 20 28 30.1–.53 10.84S–.04 113.85E–.04 33 4.0b,3.8s
NEIC IX 17 20 28 31.7–7.1 10.59S 114.04E 24–51 4.3b,3.8s
DJA IX 17 20 28 32.7–.90 11S–7.0 114E–2.0 33–23 5.4b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 17 21 13 36.3–1.4 10.8S–.10 113.93E–.06 35 4.1b 21 2-69
IDC IX 17 21 13 28.2–8.4 11.16S 114.13E 0 4.1,4.1 **¶601863728**
DJA IX 17 21 13 36.2–1.1 11S–11 114E–3.0 13–16 4.2,4.1
ISC Event type ke.
ISC IX 17 22 42 29.4–.95 10.99S–.08 113.92E–.06 35 3.7b 23 2-69
IDC IX 17 22 42 25.9–2.3 10.82S 113.88E 0 3.8,3.7 **¶601863731**
ISCJB IX 17 22 42 28.4–.78 10.95S–.05 113.93E–.06 33 3.6b,3.7
DJA IX 17 22 42 32.8–.50 11S–8.0 114E–2.0 143–18 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 18 01 02 52.7–1.3 10.86S–.09 113.97E–.07 35 3.0b 16 2-64
ISCJB IX 18 01 02 51.7–.89 10.84S–.06 114.01E–.06 33 3.1b **¶601863741**
DJA IX 18 01 02 53.5–.70 11S–13 114E–3.0 80–56 3.9,3.9
IDC IX 18 01 02 55.7–2.6 11.49S 114.24E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.7km az=29.5.
IDC Error ellipse: s-maj=127.2km s-min=24.3km az=45.0.
ISC IX 18 06 42 26.8–1.9 10.91S–.04 113.97E–.04 27–13 4.8b,3.7s 382 2-153
IDC IX 18 06 42 23.3–.45 10.74S 114.10E 0 4.7,4.7 **¶601721816**
NEIC IX 18 06 42 24.7–.18 10.75S 114.02E 10 4.8b,4.7
MOS IX 18 06 42 25.1–1.2 10.68S 113.96E 22 5.1b,4.7
ISCJB IX 18 06 42 25.0–.90 10.85S–.03 113.92E–.02 25–6 4.8b,3.7s
BJI IX 18 06 42 27.6 10.80S 114.00E 39 5.0b,4.9b
DJA IX 18 06 42 27.8–.40 11S–2.0 114E–1.0 30–4 5.3b,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 18 21 08 43.4–1.9 10.8S–.30 113.7E–.20 25 3.9b 9 10-69
IDC IX 18 21 08 39.7–1.9 10.83S 113.66E 0 4.3L,4.0 **¶601863775**
ISCJB IX 18 21 08 42.0–1.4 10.7S–.20 113.8E–.20 25 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC IX 18 21 16 27.4–2.8 10.57S 113.89E 0 3.5,3.4
¶601863776
IDC Error ellipse: s-maj=108.3km s-min=23.1km az=50.0.
IDC IX 19 03 28 56.4–2.6 11.24S 113.61E 0 3.4,3.4L
¶601863802
IDC Error ellipse: s-maj=125.9km s-min=24.2km az=45.0.
ISC IX 19 05 16 07.1–1.2 10.12S–.08 113.53E–.08 10 3.7b 14 2-63
IDC IX 19 05 16 19.9–2.4 11.51S 114.02E 0 3.7,3.5 **¶602030487**
DJA IX 19 05 16 22.8–.40 9S–6.0 113E–2.0 91–5 3.8,3.8
ISC Event type ke.

IDC IX 19 07 42 58.0–1.2 10.97S 113.68E 0 4.0,3.8 ¶601863815
IDC Error ellipse: s-maj=57.4km s-min=14.3km az=48.0.
IDC IX 19 08 05 18.2–2.6 11.04S 113.78E 0 4.0,3.8 ¶601863817
IDC Error ellipse: s-maj=100.9km s-min=21.2km az=49.0.
ISC IX 19 13 44 18.4–.65 9.66S–.06 113.71E–.06 26 4.1b 45 1-75
NEIC IX 19 13 44 15.6–.61 9.72S 113.54E 10 4.1b **¶601729297**
IDC IX 19 13 44 15.4–2.4 9.36S 113.91E 0 4.0,3.9
DJA IX 19 13 44 23.7–.80 9S–4.0 114E–2.0 30–8 4.7b,4.5b
ISC Event type se.
NEIC Event type se.
ISC IX 19 14 04 31.3–1.2 10.95S–.10 113.92E–.07 35 3.8b 20 2-69
IDC IX 19 14 04 27.9–3.4 10.48S 114.38E 0 3.8,3.7 **¶601863830**
ISCJB IX 19 14 04 29.3–.80 11.00S–.06 113.88E–.07 33 3.7b,3.7
DJA IX 19 14 04 31.7–1.0 11S–4.0 114E–4.0 17–7 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 19 21 23 38.3–.95 10.86S–.09 113.70E–.07 25 3.5b 21 2-69
IDC IX 19 21 23 34.3–2.3 10.86S 113.56E 0 3.7,3.6 **¶601863852**
ISCJB IX 19 21 23 36.4–.73 10.90S–.06 113.66E–.07 25 3.5b,3.6
DJA IX 19 21 23 39.6–1.0 11S–5.0 114E–3.0 21–7 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 20 06 29 53.2–.88 10.85S–.08 113.89E–.07 35 4.0b 29 2-69
ISCJB IX 20 06 29 52.1–.67 10.81S–.06 113.86E–.05 33 4.0b,3.2s **¶601863871**
DJA IX 20 06 29 55.1–.70 11S–8.0 114E–3.0 54–55 5.7b,5.2
IDC IX 20 06 30 01.6–3.6 10.22S 114.58E 80–32 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=0.4.
IDC Error ellipse: s-maj=73.6km s-min=11.5km az=46.0.
IDC IX 20 06 37 17.6–2.4 10.82S 113.73E 0 3.7,3.6 ¶601863873
IDC Error ellipse: s-maj=125.7km s-min=23.3km az=46.0.
ISC IX 20 07 51 54.7–1.5 10.8S–.10 113.86E–.06 35 3.3b 11 2-33
IDC IX 20 07 51 28.2–7.5 9.92S 111.78E 0 3.8,3.6 **¶602030597**
ISCJB IX 20 07 51 52.7–1.1 10.82S–.08 113.68E–.08 35 3.5b,3.6
DJA IX 20 07 51 55.8–1.9 11S–16 114E–4.0 31–47 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IX 20 22 08 56.9–2.5 10.74S 113.62E 0 3.5,3.3 ¶601863914
IDC Error ellipse: s-maj=110.8km s-min=23.2km az=48.0.
ISC IX 21 02 14 53.5–.43 10.91S–.07 113.93E–.06 35 4.5b,3.5s 117 2-160
IDC IX 21 02 14 48.4–.68 10.78S 114.07E 0 4.5,4.3 **¶601735548**
BJI IX 21 02 14 50.0 10.80S 114.00E 10 4.8b,4.7b
ISCJB IX 21 02 14 51.4–.32 10.88S–.04 113.93E–.03 33 4.4b,3.5s
NEIC IX 21 02 14 51.3–2.2 10.83S 114.00E 19–13 4.5b,3.5s
DJA IX 21 02 14 52.4–1.8 11S–4.0 114E–2.0 25–16 5.0b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 21 02 52 24.6–.93 10.86S–.09 113.97E–.09 35 4.1b 27 2-69
IDC IX 21 02 52 20.1–1.7 10.70S 114.14E 0 4.2,4.1 **¶601768519**
ISCJB IX 21 02 52 21.7–.63 10.98S–.06 113.85E–.06 33 4.1b,4.1
NEIC IX 21 02 52 21.6–.97 10.70S 114.14E 10 4.0b,4.1
DJA IX 21 02 52 23.9–1.3 11S–11 114E–3.0 17–19 4.5b,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 21 04 58 27.2–1.3 10.2S–.10 109.47E–.07 35 3.8b 18 3-62
IDC IX 21 04 58 25.0–2.9 9.71S 110.02E 0 4.0,3.9L **¶601863939**
ISCJB IX 21 04 58 25.5–.95 10.24S–.07 109.49E–.06 33 3.6b,3.9L
DJA IX 21 04 58 25.4–1.4 10S–16 109E–6.0 28–27 5.3b,4.9b
ISC Event type ke.
ISCJB Event type ke.
DJA IX 21 05 05 57.1–1.4 11S–8.0 114E–4.0 30–16 3.6,3.6 ¶602030694
IDC IX 21 20 44 36.6–1.2 10.54S 113.95E 0 3.4,3.2 ¶601863966
IDC Error ellipse: s-maj=45.4km s-min=25.7km az=59.0.
ISC IX 22 14 15 38.4–.60 10.86S–.07 113.84E–.06 35 4.2b 66 2-89
IDC IX 22 14 15 33.6–.73 10.78S 113.83E 0 4.3,4.3L **¶601736798**
NEIC IX 22 14 15 35.1–.35 10.80S 113.81E 10 4.1b,4.3L
ISCJB IX 22 14 15 36.5–.35 10.85S–.03 113.75E–.03 33 4.1b,3.4s
DJA IX 22 14 15 37.8–.30 11S–3.0 114E–2.0 10 5.0b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 22 15 15 56.7–.61 10.94S–.07 113.83E–.06 35 4.2b 47 2-153
IDC IX 22 15 15 52.2–.69 10.81S 113.73E 0 4.6L,4.3 **¶601863997**
NEIC IX 22 15 15 53.7–.61 10.84S 113.77E 10 4.2b,4.3
ISCJB IX 22 15 15 54.5–.46 10.96S–.04 113.74E–.04 33 4.1b,4.3
DJA IX 22 15 15 55.7–.40 11S–3.0 114E–2.0 20 5.2b,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 22 16 18 59.1–2.8 11.09S 113.47E 0 3.7,3.4 ¶601864000
IDC Error ellipse: s-maj=118.9km s-min=25.9km az=46.0.
ISC IX 22 23 05 07.4–.63 10.87S–.07 113.83E–.06 10 4.1b 36 2-98
ISCJB IX 22 23 05 05.3–.46 10.94S–.04 113.83E–.04 10 4.0b **¶601737032**
IDC IX 22 23 05 05.8–.84 10.82S 113.84E 0 4.2,4.1
NEIC IX 22 23 05 06.9–.53 10.96S 113.77E 10 4.0b,4.1
DJA IX 22 23 05 09.3–.50 11S–4.0 114E–3.0 10 5.7b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 23 17 13 05.5–2.9 11.32S 113.33E 0 3.6,3.4 ¶601864046
IDC Error ellipse: s-maj=128.7km s-min=19.7km az=47.0.
DJA IX 24 01 05 49.1–.60 11S–6.0 114E–3.0 70–40 3.8,3.8 ¶602030921
DJA IX 24 13 39 13.1–1.2 11S–17 114E–8.0 14–22 3.6,3.6 ¶602030915
DJA IX 24 21 53 04.8–1.3 11S–13 114E–4.0 14–20 3.8,3.8 ¶602030912
ISC IX 25 02 20 07.4–1.1 10.66S–.09 113.85E–.10 10 3.9b 16 2-69
IDC IX 25 02 20 06.4–2.7 10.67S 113.77E 0 3.7,3.7b **¶601864132**
ISC Event type ke.
IDC Error ellipse: s-maj=106.8km s-min=21.0km az=49.0.
ISC IX 25 13 38 36.9–1.1 10.64S–.09 113.99E–.07 35 3.4b 18 2-69
IDC IX 25 13 38 29.8–2.5 11.02S 113.44E 0 3.6,3.5 **¶601864154**
ISCJB IX 25 13 38 34.8–.81 10.70S–.06 113.93E–.07 33 3.4b,3.5
DJA IX 25 13 38 37.9–1.3 10S–9.0 114E–3.0 12–15 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IX 25 20 25 26.8–.67 10.93S–.08 113.82E–.05 35 4.1b 52 2-69
NEIC IX 25 20 25 23.9–3.6 10.76S 113.88E 1–24 4.6b **¶601851713**
IDC IX 25 20 25 23.6–1.7 10.74S 113.86E 0 3.9,3.9
ISCJB IX 25 20 25 26.3–.47 10.84S–.05 113.69E–.03 33 4.1b,3.9
DJA IX 25 20 25 28.4–1.2 11S–8.0 114E–2.0 28–17 4.3b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 26 09 35 36.0–2.8 11.01S 113.03E 0 3.6,3.5 ¶601864199
IDC Error ellipse: s-maj=124.0km s-min=26.6km az=47.0.
ISC IX 26 10 32 15.7–.93 11.00S–.09 113.65E–.07 25 3.9b 23 3-69
ISCJB IX 26 10 32 13.1–.73 11.04S–.06 113.63E–.05 25 3.9b,3.2s **¶601864201**
IDC IX 26 10 32 13.9–2.4 10.70S 113.90E 0 4.0,3.9
DJA IX 26 10 32 15.0–2.1 11S–11 114E–3.0 29–30 4.8b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC IX 26 15 42 41.1–1.3 10.9S–.20 113.8E–.10 25 3.7b 9 10-64
IDC IX 26 15 42 37.4–1.8 10.89S 113.67E 0 3.9,3.8 **¶601864214**
ISC Event type ke.
IDC Error ellipse: s-maj=50.1km s-min=19.5km az=44.0.
ISC IX 26 18 17 48.1–.90 10.94S–.07 113.96E–.06 35 3.6b 22 2-64
IDC IX 26 18 17 44.2–1.6 10.88S 113.98E 0 3.8,3.6 **¶601864226**
ISCJB IX 26 18 17 46.8–.74 10.96S–.05 113.97E–.07 33 3.5b,3.6
DJA IX 26 18 17 48.5–.60 11S–5.0 114E–3.0 10 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IX 26 19 37 37.8–1.0 11S–27 114E–8.0 81–132 3.6,3.6 ¶602031096
ISC IX 28 03 27 22.9–.66 10.94S–.07 113.79E–.05 35 4.2b,3.5s 51 2-98
IDC IX 28 03 27 19.7–1.5 10.60S 113.95E 0 4.2,4.1b **¶601790306**
NEIC IX 28 03 27 20.4–.73 10.76S 113.82E 10 4.4b,4.1b
ISCJB IX 28 03 27 21.1–.50 10.94S–.05 113.79E–.04 33 4.2b,3.5s
DJA IX 28 03 27 24.0–.90 11S–5.0 114E–2.0 33–21 5.2b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 28 17 20 19.2–2.0 11S–15 114E–5.0 18–27 3.7,3.7 ¶602031255
DJA IX 29 07 58 05.9–.50 10S–5.0 113E–2.0 10 3.6,3.6 ¶602031341
ISC IX 29 19 02 03.5–1.4 11.2S–.20 113.7E–.20 25 3.5b 7 10-64
IDC IX 29 19 02 00.0–2.0 11.07S 113.71E 0 3.7,3.5L **¶601857497**
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=20.3km az=44.0.
DJA X 01 01 57 23.8–1.7 11S–11 114E–4.0 12–18 3.7,3.7 ¶601996345
DJA X 01 04 34 10.4–1.5 10S–8.0 113E–4.0 16–8 3.6,3.6 ¶601996356
ISC X 01 15 26 52.7–.53 10.91S–.06 113.77E–.05 35 4.2b 77 2-146
IDC X 01 15 26 48.8–1.2 10.73S 113.77E 0 4.6L,4.3 **¶601826689**
ISCJB X 01 15 26 51.0–.36 10.89S–.03 113.76E–.03 33 4.2b,4.3
NEIC X 01 15 26 50.3–.40 10.76S 113.78E 10 4.4b,4.3
DJA X 01 15 26 53.5–.90 11S–6.0 114E–2.0 34–25 5.1b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 01 17 30 31.8–1.3 10.81S–.10 113.70E–.05 25 3.7b 25 2-64
IDC X 01 17 30 28.8–2.7 10.84S 113.68E 0 3.7,3.5 **¶601996415**
ISCJB X 01 17 30 30.3–.73 10.81S–.05 113.68E–.04 25 3.5b,3.5
DJA X 01 17 30 32.4–.90 11S–7.0 114E–2.0 22–12 4.2b,4.0
ISC Event type se.
ISCJB Event type se.
DJA X 01 18 05 06.8–1.1 11S–12 114E–3.0 20–19 3.6,3.6 ¶601996418
ISC X 01 18 14 13.3–.74 11.05S–.07 113.71E–.05 25 3.9b 51 3-69
IDC X 01 18 14 12.0–1.9 10.84S 113.67E 0 4.5L,4.0 **¶601861518**
ISCJB X 01 18 14 13.5–.57 10.88S–.05 113.69E–.03 25 3.9b,4.0
NEIC X 01 18 14 14.1–1.1 10.74S 113.72E 10 4.2b,4.0
DJA X 01 18 14 16.8–1.0 11S–6.0 114E–2.0 28–15 5.1b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA X 01 19 09 54.8–.60 11S–6.0 114E–3.0 21 5.0b,4.3 ¶601996424
ISC X 01 20 40 02.0–.78 10.83S–.08 113.69E–.05 25 3.8b 44 2-141
IDC X 01 20 39 58.0–1.4 10.92S 113.59E 0 4.1L,3.9 **¶601861520**
NEIC X 01 20 39 59.9–.74 10.91S 113.65E 10 4.0b,3.9
ISCJB X 01 20 40 00.0–.50 10.81S–.04 113.68E–.03 25 3.8b,3.9
DJA X 01 20 40 02.7–.40 11S–3.0 114E–2.0 23 5.1b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 01 23 58 12.1–1.1 10.8S–.10 113.74E–.06 25 3.5b 16 2-64
IDC X 01 23 58 07.8–4.7 11.20S 113.25E 0 3.7,3.4 **¶601996438**
ISCJB X 01 23 58 11.6–.92 10.79S–.09 113.75E–.05 25 3.3b,3.4
DJA X 01 23 58 14.0–.90 11S–9.0 114E–3.0 17 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 02 15 46 09.4–.54 10.80S–.06 113.85E–.06 35 4.4b,3.0s 63 2-153
IDC X 02 15 46 04.5–.84 10.78S 113.80E 0 4.4,4.3 **¶601826694**
NEIC X 02 15 46 05.8–.30 10.79S 113.77E 10 4.6b,4.3
ISCJB X 02 15 46 07.2–.35 10.82S–.03 113.79E–.04 33 4.4b,3.1s
DJA X 02 15 46 09.4–.50 11S–4.0 114E–2.0 23 4.5,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 22 37 39.1–.48 10.91S–.07 113.91E–.05 35 4.4b 49 2-154
IDC X 03 22 37 34.1–.80 10.77S 113.82E 0 4.5L,4.4 **¶601781440**
BJI X 03 22 37 36.9 10.73S 114.60E 33 5.0b,4.5b
ISCJB X 03 22 37 37.6–.36 10.82S–.04 113.81E–.04 33 4.3b,4.5b
NEIC X 03 22 37 37.6–3.3 10.82S 113.83E 20–23 4.7b,4.5b
DJA X 03 22 37 40.9–.90 11S–13 114E–4.0 60–48 4.8b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 04 03 51 35.4–2.2 10.75S–.04 113.97E–.04 16–13 4.8b,3.6s 480 2-153
BJI X 04 03 51 32.5 10.80S 114.00E 8 5.1b,4.7b **¶601781450**
NEIC X 04 03 51 34.8–.18 10.63S 114.04E 10 4.8b,4.7b
ISCJB X 04 03 51 34.8–.99 10.74S–.02 113.94E–.02 26–7 4.7b,3.6s
MOS X 04 03 51 36.2–.95 10.53S 114.16E 33 4.9b,3.6s
DJA X 04 03 51 37.0–.70 11S–3.0 114E–2.0 12–7 5.8,5.3b
IDC X 04 03 51 39.3–2.0 10.57S 114.13E 43–19 4.7L,4.6
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.9km az=52.0. Felt [II] at Kuta.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.4km az=43.9.
MOS Error ellipse: s-maj=12.2km s-min=6.9km az=120.1.
IDC Error ellipse: s-maj=13.3km s-min=9.7km az=54.0.
DJA X 04 04 24 07.5–4.2 11S–10 114E–5.0 28–63 3.5,3.5 ¶601997002
IDC X 04 11 28 42.9–2.5 11.39S 113.81E 0 3.8,3.6 ¶601997032
IDC Error ellipse: s-maj=103.8km s-min=26.6km az=45.0.
ISC X 06 01 53 26.0–.92 10.9S–.10 113.84E–.09 25 4.0b 14 2-64
IDC X 06 01 53 22.8–1.9 11.03S 113.59E 0 4.1,3.9 **¶601997223**
ISCJB X 06 01 53 25.1–.83 10.9S–.10 113.79E–.10 25 3.9b,3.9
DJA X 06 01 53 27.0–1.2 11S–12 114E–5.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 06 23 22 32.8–.57 10.88S–.06 113.78E–.04 35 4.1b 47 2-83
IDC X 06 23 22 29.0–1.4 10.65S 113.96E 0 4.2,4.1 **¶601836634**
ISCJB X 06 23 22 31.0–.44 10.88S–.04 113.74E–.03 33 4.2b,4.1
NEIC X 06 23 22 30.2–.44 10.71S 113.92E 10 4.2b,4.1
DJA X 06 23 22 34.2–.80 11S–8.0 114E–2.0 87–40 4.5b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 07 08 21 17.2–.61 10.84S–.08 113.73E–.06 25 4.0b 35 2-89
ISCJB X 07 08 21 14.9–.48 10.92S–.05 113.63E–.05 25 4.0b **¶601906661**
NEIC X 07 08 21 15.0–.53 10.83S 113.79E 10 4.8b
IDC X 07 08 21 15.0–.92 10.68S 113.91E 0 4.0,3.9
DJA X 07 08 21 16.6–1.2 11S–12 114E–4.0 10 5.0b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

ISC X 07 10 06 02.9–2.2 10.7S–.40 114.0E–.40 35 4.0b 9 13-74
IDC X 07 10 05 58.1–2.2 10.63S 113.93E 0 3.9,3.8 ¶601997358
ISCJB X 07 10 06 00.9–1.8 10.6S–.30 114.0E–.40 33 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 08 23 13 09.0–1.2 10.8S–.10 113.7E–.10 35 3.7b 13 2-69
IDC X 08 23 13 05.4–2.5 10.53S 113.92E 0 3.6,3.6 ¶601997579
ISCJB X 08 23 13 06.6–1.1 10.9S–.10 113.7E–.10 33 3.6b,3.6
DJA X 08 23 13 07.8–1.8 11S–17 114E–6.0 10 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
DJA X 11 17 40 17.3–.70 11S–9.0 114E–4.0 53–50 3.5,3.5
¶601997913
DJA X 12 11 40 14.3–1.5 11S–14 114E–11 12–25 4.0b,3.9
¶601997995
DJA X 12 12 33 36.8–.80 11S–5.0 114E–3.0 10 3.6,3.6
¶601998004
IDC X 12 16 51 57.6–3.0 10.81S 112.93E 0 3.5,3.3
¶601998023
IDC Error ellipse: s-maj=135.8km s-min=24.5km az=46.0.
DJA X 14 01 43 48.5–1.3 9S–5.0 113E–2.0 32–15 3.7,3.7
¶601998169
ISC X 15 04 54 12.3–1.6 10.9S–.20 113.6E–.20 25 3.8b 8 2-64
DJA X 15 04 54 08.0–.60 6S–5.0 114E–6.0 10 5.2b,4.6 ¶601998285
IDC X 15 04 54 08.4–2.2 10.91S 113.60E 0 3.9,3.7
ISCJB X 15 04 54 10.0–1.2 10.9S–.10 113.5E–.10 25 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC X 15 05 51 41.4–.77 10.85S–.09 113.74E–.08 35 4.0b 26 2-69
IDC X 15 05 51 38.1–3.1 10.50S 114.03E 0 4.0,3.9 ¶601998292
NEIC X 15 05 51 39.0–.67 10.75S 113.80E 10 4.1b,3.9
ISCJB X 15 05 51 40.0–.57 10.84S–.07 113.60E–.09 33 3.9b,3.9
DJA X 15 05 51 43.4–1.8 11S–28 114E–9.0 31–58 4.0,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 15 06 53 08.8–2.5 11.13S 113.69E 0 3.9,3.7
¶601998300
IDC Error ellipse: s-maj=136.3km s-min=23.3km az=47.0.
ISC X 15 16 05 13.3–.39 10.90S–.05 113.81E–.05 35 4.4b 119 2-153
IDC X 15 16 05 08.4–.60 10.84S 113.78E 0 4.4,4.3L ¶601834642
ISCJB X 15 16 05 11.6–.26 10.88S–.03 113.72E–.03 33 4.3b,3.4s
NEIC X 15 16 05 12.0–1.4 10.84S 113.73E 22–10 4.3b,3.4s
DJA X 15 16 05 13.1–.80 11S–3.0 114E–2.0 16–7 5.2b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 17 19 30 52.7–1.1 10.9S–.20 111.4E–.10 35 3.7b 11 12-97
IDC X 17 19 30 47.0–1.1 10.92S 111.11E 0 3.9,3.9s ¶601998699
ISCJB X 17 19 30 50.9–.80 10.7S–.10 111.46E–.10 33 4.1s,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 19 14 55 55.3–1.2 9.1S–.10 108.83E–.08 27 4.0b 16 1-66
ISCJB X 19 14 55 53.6–.91 9.20S–.07 108.81E–.07 27 3.6b ¶601998950
IDC X 19 14 55 53.9–1.4 8.22S 109.82E 0 3.8,3.7
DJA X 19 14 55 56.9–1.4 9S–12 109E–6.0 30–24 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 23 01 18 09.8–1.1 10.94S–.09 113.77E–.07 35 3.1b 13 2-64
IDC X 23 01 18 04.6–5.0 11.10S 113.49E 0 3.4,3.3 ¶601999326
ISCJB X 23 01 18 07.9–.86 10.96S–.06 113.76E–.07 33 3.1b,3.3
DJA X 23 01 18 09.9–1.8 11S–15 114E–4.0 30–33 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC X 23 01 34 01.2–2.4 10.16S 108.64E 0 3.8,3.8L
¶601999328
IDC Error ellipse: s-maj=100.0km s-min=19.7km az=50.0.
ISC X 23 14 08 26.0–.98 10.9S–.10 113.73E–.08 25 3.8b 18 2-69
ISCJB X 23 14 08 22.7–1.0 11.10S–.10 113.71E–.08 25 3.7b ¶601999372
IDC X 23 14 08 23.5–2.5 10.67S 113.78E 0 3.8,3.7
DJA X 23 14 08 25.4–1.3 11S–13 114E–4.0 10 4.5b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC X 23 16 26 23.6–1.3 10.9S–.10 113.8E–.10 35 3.4b 7 2-64
IDC X 23 16 26 19.0–2.3 10.89S 113.64E 0 3.6,3.4 ¶601999387
ISCJB X 23 16 26 21.6–1.2 10.90S–.08 113.7E–.10 33 3.3b,3.4
DJA X 23 16 26 44.1–1.8 10S–13 114E–29 35 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 23 16 34 18.0–.71 10.90S–.09 113.66E–.07 25 4.1b 42 2-89
IDC X 23 16 34 15.0–1.4 10.65S 113.81E 0 4.1,4.0b ¶601845999
ISCJB X 23 16 34 16.2–.51 10.88S–.06 113.62E–.05 25 4.2b,2.7s
NEIC X 23 16 34 18.0–1.9 10.79S 113.67E 23–14 4.2b,2.7s
DJA X 23 16 34 17.9–1.1 11S–11 114E–3.0 70 5.1b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 25 05 28 19.0–.90 10.88S–.08 113.63E–.05 25 3.7b 34 2-64
IDC X 25 05 28 14.2–2.7 11.04S 113.31E 0 4.1s,4.1 ¶601999570
NEIC X 25 05 28 16.7–.53 11.00S 113.47E 10 4.0b,4.1
ISCJB X 25 05 28 17.6–.49 10.86S–.05 113.61E–.04 25 4.0s,3.9b
DJA X 25 05 28 18.6–1.0 11S–6.0 114E–3.0 26–11 4.2b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 27 10 51 23.4–.96 9.18S–.06 111.32E–.04 59–8 4.3b,3.4s 101 1-86
IDC X 27 10 51 16.6–.80 8.88S 111.30E 0 4.3,4.3 ¶601852912
DJA X 27 10 51 22.2–.30 9S–2.0 111E–2.0 10 5.1b,4.7
ISCJB X 27 10 51 23.1–.57 9.12S–.05 111.29E–.03 77–4 4.3b,4.7
NEIC X 27 10 51 24.5–.68 9.07S 111.38E 71–6 4.4b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=13.9km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.3km az=26.8.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.2km az=218.0.
IDC X 29 01 52 24.1–2.7 10.61S 113.99E 0 3.4,3.4
¶602000185
IDC Error ellipse: s-maj=126.8km s-min=24.6km az=48.0.
DJA X 30 13 47 48.5–1.2 11S–10 114E–3.0 15–15 4.3b,3.8
¶602000484
ISC XI 03 16 00 35.6–1.0 10.70S–.09 113.85E–.06 35 3.4b 20 2-69
IDC XI 03 16 00 30.8–3.1 10.86S 113.81E 0 3.6,3.5 ¶602388773
ISCJB XI 03 16 00 33.3–.72 10.72S–.05 113.82E–.05 33 3.4b,3.5
DJA XI 03 16 00 33.6–1.2 11S–12 114E–3.0 21–19 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XI 04 08 37 27.1–1.0 11.12S 113.68E 0 3.6,3.5
¶602388794
IDC Error ellipse: s-maj=39.0km s-min=20.7km az=53.0.
ISC XI 06 05 22 59.7–.83 9.58S–.08 113.16E–.06 36 3.8b 18 1-63
IDC XI 06 05 22 53.7–2.2 9.45S 112.86E 0 3.7,3.6 ¶602388900
ISCJB XI 06 05 22 59.8–.69 9.57S–.06 113.14E–.05 36 3.6b,2.7s
DJA XI 06 05 23 00.2–.80 9S–6.0 113E–2.0 10 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 21 31 06.1–.98 9.69S–.08 112.90E–.05 36 3.4b 19 2-63
IDC XI 07 21 31 02.2–3.2 9.18S 113.21E 0 3.5,3.4 ¶602388991
ISCJB XI 07 21 31 05.2–.72 9.76S–.06 112.82E–.05 36 3.4b,3.4
DJA XI 07 21 31 10.4–2.0 9S–7.0 113E–3.0 40–23 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA XI 09 04 53 59.9–1.4 11S–8.0 114E–4.0 19–17 4.0,4.0
¶606792950
DJA XI 10 03 45 46.3–2.8 11S–8.0 114E–3.0 28–42 4.8b,4.2
¶606792959
ISC XI 10 17 46 40.0–.58 10.89S–.06 113.88E–.05 35 4.2b 51 2-83
IDC XI 10 17 46 35.5–.96 10.65S 114.13E 0 4.1,4.0 ¶602054291
NEIC XI 10 17 46 36.7–.49 10.84S 113.80E 10 4.3b,4.0
ISCJB XI 10 17 46 38.0–.41 10.91S–.04 113.86E–.05 33 4.1b,4.0
DJA XI 10 17 46 39.6–2.9 11S–6.0 114E–3.0 31–42 4.6b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA XI 19 10 01 40.4–.80 9S–7.0 113E–3.0 10 3.7,3.7
¶606793074
ISC XI 19 10 09 44.8–.31 9.67S–.04 108.17E–.04 28 4.8b 225 2-154
IDC XI 19 10 09 41.0–.40 9.58S 108.41E 0 4.7,4.7s ¶601992901
DJA XI 19 10 09 42.6–.60 10S–6.0 108E–3.0 10 5.6b,5.2
NEIC XI 19 10 09 42.2–.19 9.67S 108.26E 10 4.9b,5.2
ISCJB XI 19 10 09 43.2–.24 9.71S–.03 108.22E–.02 28 4.7b,5.2
KLM XI 19 10 09 44.0 9.58S 108.19E 10 4.7b,5.2
BJI XI 19 10 09 46.0 9.50S 108.20E 35 5.5b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=11.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=220.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=23.7.
ISC XI 19 14 46 29.1–.67 10.89S–.08 113.76E–.06 25 4.0b 62 2-76
IDC XI 19 14 46 26.6–1.4 10.73S 113.77E 0 4.0,3.9 ¶601992954
ISCJB XI 19 14 46 27.4–.41 10.88S–.04 113.66E–.03 25 3.9b,3.9
NEIC XI 19 14 46 28.4–3.2 10.88S 113.63E 16–22 4.1b,3.9
DJA XI 19 14 46 30.2–1.1 11S–6.0 114E–2.0 34–26 5.0b,4.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 19 15 47 05.4–1.0 10.8S–.10 113.78E–.07 35 3.8b 25 2-69
IDC XI 19 15 47 01.4–1.7 10.61S 113.81E 0 3.9,3.9L ¶602389681
ISCJB XI 19 15 47 02.0–.96 11.0S–.10 113.70E–.05 33 3.7b,3.9L
DJA XI 19 15 47 02.2–.80 11S–9.0 114E–3.0 10 5.0b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 19 16 36 52.8–1.6 10.8S–.20 113.72E–.09 35 8 2-23
ISCJB XI 19 16 36 51.3–1.2 10.8S–.10 113.72E–.10 33 2.7b ¶606793068
DJA XI 19 16 36 52.8–2.4 11S–14 114E–5.0 28–37 4.3b,3.9
IDC XI 19 16 37 26.5–2.9 13.16S 116.40E 0 3.8b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=11.4km az=34.8.
IDC Error ellipse: s-maj=111.9km s-min=32.3km az=45.0.
ISC XI 19 18 00 46.1–1.2 10.8S–.10 113.64E–.08 25 3.7b 18 2-69
IDC XI 19 18 00 41.2–2.3 10.90S 113.35E 0 3.7,3.6 ¶602389687
DJA XI 19 18 00 42.4–.90 11S–9.0 114E–3.0 10 4.8b,4.3
ISCJB XI 19 18 00 44.2–.78 10.83S–.06 113.60E–.06 25 3.6b,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 21 07 15 09.8–1.2 10.94S–.10 113.68E–.08 25 3.7b 13 2-64
IDC XI 21 07 15 07.0–2.4 11.13S 113.48E 0 4.0,3.7 ¶602389776
ISCJB XI 21 07 15 09.2–.97 10.85S–.06 113.61E–.08 25 3.6b,3.7
DJA XI 21 07 15 12.2–1.3 11S–15 114E–4.0 29–27 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 23 15 43 15.8–1.1 11.08S–.09 112.68E–.07 35 3.5b 17 3-69
ISCJB XI 23 15 43 14.0–.82 11.08S–.07 112.59E–.09 33 3.5b ¶602389897
DJA XI 23 15 43 20.2–1.0 11S–7.0 113E–4.0 10 4.1,4.1
IDC XI 23 15 43 21.1–17 10.94S 112.93E 82–164 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.8km az=146.5.
IDC Error ellipse: s-maj=188.9km s-min=24.5km az=51.0.
ISC XI 24 20 34 33.8–.81 11.27S–.08 112.44E–.07 35 4.2b 19 3-73
ISCJB XI 24 20 34 31.8–.59 11.28S–.06 112.42E–.07 33 4.0b ¶602210416
IDC XI 24 20 34 31.9–4.7 11.04S 112.34E 0 4.0,3.9
NEIC XI 24 20 34 34.7–.78 11.18S 112.65E 35 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.5km az=142.8.
IDC Error ellipse: s-maj=197.4km s-min=47.0km az=42.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=10.2km az=48.0.
DJA XI 26 06 27 27.4–1.8 11S–17 114E–6.0 22–30 3.9,3.9
¶606793151
ISC XI 28 12 06 57.8–.62 9.49S–.05 107.89E–.05 30 4.2b 50 2-144
NEIC XI 28 12 06 54.8–.42 9.55S 107.94E 10 4.4b ¶602213414
ISCJB XI 28 12 06 55.8–.39 9.54S–.04 107.91E–.03 30 4.6s,4.2b
IDC XI 28 12 06 55.6–1.7 9.23S 108.06E 0 3.9L,3.8
DJA XI 28 12 06 59.6–1.3 9S–10 108E–9.0 10 5.1b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 01 15 02 16.9–1.3 9.11S–.09 110.46E–.06 51 3.2b 19 1-61
IDC XII 01 15 02 06.4–2.9 9.12S 110.01E 0 4.0s,4.0 ¶602390281
ISCJB XII 01 15 02 15.6–.69 9.16S–.05 110.47E–.05 51 4.0s,3.2b
DJA XII 01 15 02 16.2–1.3 9S–4.0 110E–2.0 16–11 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 06 15 25 26.5–1.1 9.1S–.10 112.2E–.10 52 3.1b 12 1-62
IDC XII 06 15 25 20.7–2.7 8.52S 112.57E 0 3.5,3.4 ¶602390557
ISCJB XII 06 15 25 25.9–.74 9.18S–.10 112.20E–.09 52 3.3b,3.4
DJA XII 06 15 25 26.1–.60 9S–10 112E–5.0 98–9 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA XII 07 11 20 45.2–1.1 8S–6.0 107E–4.0 24–11 3.7,3.7
¶602006329
ISC XII 11 21 37 34.4–.68 9.00S–.07 113.40E–.05 73 3.7b 35 1-93
ISCJB XII 11 21 37 33.8–.43 9.02S–.06 113.36E–.04 73 3.7b ¶602036411
DJA XII 11 21 37 35.2–1.0 9S–5.0 113E–2.0 31–13 5.5b,5.1b
KLM XII 11 21 37 35.0 9.28S 113.31E 64 4.5b,5.1b
IDC XII 11 21 37 36.5–2.6 8.78S 113.45E 98–27 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=19.7.
IDC Error ellipse: s-maj=30.1km s-min=14.9km az=42.0.
ISC XII 16 14 44 54.9–2.2 10.6S–.40 114.0E–.50 35 4.0b 9 20-118
IDC XII 16 14 44 49.6–2.0 10.60S 113.96E 0 3.8,3.7b ¶602391469
ISCJB XII 16 14 44 53.4–1.9 10.5S–.40 114.1E–.40 33 3.7b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 16 13 43.1–1.1 10.8S–.10 113.8E–.10 35 3.7b 13 2-69
ISCJB XII 16 16 13 41.4–.83 10.78S–.08 113.7E–.10 35 3.4b ¶602391476
IDC XII 16 16 13 41.2–2.1 9.77S 115.03E 0 3.5,3.4
DJA XII 16 16 13 43.2–1.2 11S–9.0 114E–7.0 10 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 17 14 34 17.3–1.2 10.7S–.10 113.8E–.10 10 3.9b 11 2-118
ISCJB XII 17 14 34 15.3–1.2 10.85S–.10 113.8E–.20 10 3.6b ¶602391547
IDC XII 17 14 34 16.4–2.9 10.63S 114.02E 0 3.7,3.6
DJA XII 17 14 34 44.2–.80 7S–8.0 116E–4.0 10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC XII 18 10 49 41.2–.32 9.30S–.04 110.99E–.04 22–1 4.8b,3.5s 408 1-153
MOS XII 18 10 49 42.5–1.2 8.83S 111.44E 33 5.0b,3.5s ¶602047014
NEIC XII 18 10 49 43.1–.28 8.99S 111.44E 28 4.5b,3.5s
IDC XII 18 10 49 44.1–.42 8.79S 111.33E 26–2 4.4,4.4L
KLM XII 18 10 49 45.0 9.28S 111.18E 4 4.8b,4.4L
ISCJB XII 18 10 49 46.5–.45 9.09S–.04 111.29E–.03 76–3 4.5b,4.4L
DJA XII 18 10 49 46.9–.70 9S–2.0 111E–2.0 21–7 5.3b,5.2
ISC Event type fe.
NEIC Event type fe. Felt [III] at Karangkates and [II] at Yogyakarta.
ISCJB Event type fe.

ISC	**XII**	**19 20 58 58.0–.97**	**10.93S–.09**	**113.82E–.07**	**35**	**3.8b**	**22**	**2-69**
IDC	XII	19 20 58 54.5–3.4	10.63S	114.10E	0	3.9,3.8		¶602391686
ISCJB	XII	19 20 58 56.2–.73	10.92S–.06	113.79E–.06	33	3.8b,3.8		
DJA	XII	19 20 58 58.3–.60	11S–5.0	114E–3.0	10	4.2,4.2		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**19 23 06 27.3–1.9**	**9.01S–.09**	**109.80E–.04**	**29–14**	**3.8b**	**29**	**1-73**
DJA	XII	19 23 06 27.9–.60	9S–4.0	110E–2.0	10	3.9,3.9		¶602391690
IDC	XII	19 23 06 33.8–1.9	8.80S	110.01E	92–19	3.8,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=29.1km s-min=12.2km az=53.0.							
ISC	**XII**	**22 01 36 27.0–.72**	**11.03S–.08**	**112.26E–.05**	**35**	**4.0b**	**43**	**3-119**
IDC	XII	22 01 36 22.6–1.6	10.92S	112.48E	0	3.9,3.8		¶602320552
ISCJB	XII	22 01 36 25.0–.47	11.01S–.04	112.26E–.04	33	3.9b,3.8		
NEIC	XII	22 01 36 26.6–.47	11.12S	112.26E	35	4.1b,3.8		
DJA	XII	22 01 36 29.7–1.4	11S–13	112E–3.0	31–36	4.2,4.2		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**XII**	**23 21 37 13.5–.62**	**8.95S–.04**	**106.19E–.04**	**35**	**4.0b**	**62**	**2-145**
IDC	XII	23 21 37 10.1–1.3	8.79S	106.03E	0	4.8L,4.0		¶602374103
DJA	XII	23 21 37 10.6–.60	9S–4.0	106E–3.0	10	4.3b,4.2		
ISCJB	XII	23 21 37 12.0–.35	8.92S–.03	106.19E–.03	33	4.0b,4.2		
NEIC	XII	23 21 37 14.3–.52	8.86S	106.17E	35	4.3b,4.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=37.2km s-min=18.1km az=52.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=4.6km az=38.9.							
NEIC	Event type se. Error ellipse: s-maj=11.9km s-min=8.2km az=48.0.							
DJA	**XII**	**24 04 26 32.9–.90**	**9S–7.0**	**110E–3.0**	**10**	**3.5,3.5**		
								¶606793581
ISC	**XII**	**24 04 38 30.1–1.5**	**9.53S–.04**	**110.28E–.03**	**14–8**	**4.8b,4.2s**	**223**	**2-153**
IDC	XII	24 04 38 28.9–.58	9.19S	110.33E	0	4.6,4.5		¶602056898
BJI	XII	24 04 38 31.7	9.40S	110.20E	33	5.2b,5.0b		
NEIC	XII	24 04 38 31.3–2.2	9.32S	110.23E	16–13	4.9b,5.0b		
ISCJB	XII	24 04 38 33.9–.58	9.47S–.04	110.23E–.03	59–4	4.7b,4.2s		
GCMT	XII	24 04 38 35.3–.30	9.72S–.02	110.33E–.03	24–1	4.9W,4.2s		
DJA	XII	24 04 38 35.9–.50	9S–2.0	110E–1.0	38–7	5.3b,4.9		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c39; s66,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.19 $M_{\theta\theta}$-2.57±.11; $M_{\phi\phi}$-0.05±.13; $M_{r\theta}$1.61±.14; $M_{\theta\phi}$0.41±.08; $M_{\phi r}$0.19±.21; Best double couple: NP1:ϕ_s91.00000°,δ61.00000°,λ82.00000°. NP2:ϕ_s287.00000°,δ30.00000°,λ104.00000°. Principal axes: T 3.1150,Plg73.0000° ,Azm342.0000°; N -0.0430,Plg7.0000°,Azm95.0000°; P -3.0690,Plg15.0000°,Azm187.0000° M_o3.09200×10^{16}							
ISC	**XII**	**24 07 31 46.7–1.1**	**9.5S–.10**	**110.20E–.06**	**35**		**15**	**2-61**
IDC	XII	24 07 31 43.0–2.4	8.97S	110.61E	0	3.8L,3.5		¶602391980
ISCJB	XII	24 07 31 45.4–.84	9.56S–.07	110.19E–.06	33	3.8L,3.5		
DJA	XII	24 07 31 47.2–1.0	9S–9.0	110E–3.0	10	3.7,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**24 08 36 47.1–2.0**	**9.47S–.07**	**110.17E–.04**	**12–12**	**3.8b**	**29**	**2-61**
IDC	XII	24 08 36 49.5–1.3	8.39S	111.50E	0	3.7,3.6		¶602391982
DJA	XII	24 08 36 49.9–.50	9S–4.0	110E–2.0	10	4.0,4.0		
ISC	Event type ke.							
ISC	**XII**	**24 15 02 29.9–1.1**	**8.65S–.09**	**106.23E–.06**	**22**	**3.8b**	**25**	**2-145**
IDC	XII	24 15 02 25.0–1.7	8.99S	105.94E	0	4.6L,3.9		¶602391997
DJA	XII	24 15 02 27.4–1.1	9S–6.0	106E–4.0	23–11	4.5b,4.4		
ISC	Event type ke.							
ISC	**XII**	**27 04 12 30.4–1.3**	**9.4S–.10**	**112.01E–.07**	**40**	**3.0b**	**16**	**1-62**
IDC	XII	27 04 12 25.6–2.6	8.99S	112.33E	0	3.4,3.3		¶602380692
ISCJB	XII	27 04 12 29.1–.82	9.44S–.07	111.98E–.07	40	3.2b,3.3		
DJA	XII	27 04 12 30.6–.80	9S–10	112E–4.0	127–7	3.8,3.8		
ISC	Event type ke.							
ISCJB	Event type ke.							

(283) Bali region.

ISC	**VII**	**10 22 13 47.5–1.1**	**8.9S–.20**	**115.37E–.06**	**131–9**	**2.9b**	**16**	**0-63**
IDC	VII	10 22 13 32.9–2.5	8.57S	115.15E	0	3.3,3.1		¶601664401
ISCJB	VII	10 22 13 47.1–.62	8.7S–.20	115.37E–.06	135–7	3.0b,3.1		
DJA	VII	10 22 13 49.3–.50	9S–10	115E–2.0	107–6	3.3,3.3		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VII**	**15 15 32 16.5–.80**	**8.33S–.06**	**114.99E–.04**	**10**	**3.3b**	**15**	**0-62**
IDC	VII	15 15 32 13.6–2.8	8.81S	114.45E	0	3.5,3.3		¶601664634
ISCJB	VII	15 15 32 17.3–.57	8.28S–.05	115.04E–.05	10	3.1b,3.3		
DJA	VII	15 15 32 17.7–.30	8S–3.0	115E–2.0	10	3.2,3.2		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**VII**	**27 08 17 01.2–.40**	**8S–4.0**	**116E–2.0**	**13–3**	**3.2,3.2**		
								¶602028019
ISC	**VIII**	**20 17 07 29.4–.91**	**8.33S–.04**	**115.05E–.03**	**27–8**	**3.3b**	**24**	**0-62**
IDC	VIII	20 17 07 24.2–2.6	8.63S	114.52E	0	3.5,3.3		¶601766206
ISCJB	VIII	20 17 07 29.3–.48	8.34S–.04	115.05E–.04	24–5	3.3b,3.3		
DJA	VIII	20 17 07 29.1–.20	8S–2.0	115E–1.0	10	3.5,3.5		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**23 23 04 09.2–.89**	**8.46S–.06**	**115.71E–.04**	**10**	**3.7b**	**16**	**1-67**
IDC	VIII	23 23 04 00.8–3.2	7.59S	115.70E	0	3.7,3.6		¶601766369
ISCJB	VIII	23 23 04 08.8–.59	8.44S–.06	115.73E–.03	10	3.6b,3.6		
DJA	VIII	23 23 04 09.4–.30	8S–3.0	116E–2.0	10–2	3.7,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**28 19 25 48.3–.73**	**8.7S–.10**	**114.76E–.07**	**150**	**3.4b**	**30**	**0-72**
ISCJB	VIII	28 19 25 49.1–.43	8.8S–.10	114.70E–.05	150	3.5b		¶601755531
DJA	VIII	28 19 25 50.2–.40	9S–10	115E–3.0	142–4	4.8b,4.2b		
IDC	VIII	28 19 25 53.0–3.1	7.98S	115.29E	188–26	3.8,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=15.5km s-min=5.1km az=20.1.							
IDC	Error ellipse: s-maj=57.5km s-min=13.2km az=47.0.							
ISC	**IX**	**08 13 09 05.8–.99**	**8.3S–.10**	**114.04E–.08**	**200**	**2.9b**	**13**	**0-62**
IDC	IX	08 13 08 39.6–1.9	9.06S	112.64E	0	3.4,3.2		¶601863169
ISCJB	IX	08 13 09 04.8–.60	8.3S–.20	114.1E–.10	200	2.9b,3.2		
DJA	IX	08 13 09 07.4–.90	8S–10	114E–4.0	175–7	2.5,2.5		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**16 21 30 05.0–1.0**	**8.59S–.05**	**115.37E–.03**	**14–7**	**3.2b**	**22**	**0-63**
IDC	IX	16 21 30 02.9–2.2	8.58S	115.41E	0	3.4,3.2		¶601863677
ISCJB	IX	16 21 30 05.3–.55	8.63S–.05	115.37E–.03	23–5	3.2b,3.2		
DJA	IX	16 21 30 05.4–.20	9S–2.0	115E–1.0	11–2	3.8b,3.6		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**07 15 54 21.5–.62**	**8.26S–.08**	**114.54E–.06**	**150**	**3.8b**	**45**	**0-68**
ISCJB	X	07 15 54 21.7–.38	8.12S–.09	114.58E–.04	150	3.8b		¶601997393
IDC	X	07 15 54 22.8–1.9	8.06S	114.54E	167–18	4.1,3.7		
DJA	X	07 15 54 23.2–.30	8S–5.0	115E–2.0	147–4	4.9b,4.3b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**11 09 51 37.3–.82**	**8.92S–.09**	**114.83E–.05**	**108–7**	**3.9b**	**24**	**0-63**
IDC	X	11 09 51 23.4–2.0	8.98S	114.15E	0	4.1,4.0		¶601997874
ISCJB	X	11 09 51 37.6–.52	8.84S–.10	114.83E–.04	111–6	3.9b,4.0		
DJA	X	11 09 51 39.5–.30	9S–6.0	115E–2.0	89–3	3.9,3.8		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**X**	**23 15 00 21.9–.40**	**8S–6.0**	**116E–3.0**	**15–3**	**3.5,3.5**		
								¶601999379
ISC	**XI**	**22 09 09 32.2–.54**	**8.97S–.04**	**115.11E–.04**	**79–4**	**4.9b**	**664**	**0-164**
BJI	XI	22 09 09 30.9	8.90S	115.20E	74	5.0b,5.0b		¶601993661
IDC	XI	22 09 09 31.5–1.5	8.89S	115.20E	71–12	4.9,4.7		
NEIC	XI	22 09 09 32.3–.44	8.92S	115.12E	78–3	5.0b,4.7		
MOS	XI	22 09 09 32.2–1.1	8.77S	115.17E	92	5.1b,4.7		
KLM	XI	22 09 09 32.0	9.47S	115.02E	36	4.9b,4.7		
ISCJB	XI	22 09 09 32.7–.29	8.98S–.03	115.04E–.02	98–2	4.8b,4.7		
DJA	XI	22 09 09 33.3–.20	9S–2.0	115E–1.0	67–3	5.6b,5.4		
ISC	Event type fe.							
NEIC	Event type fe. Felt [IV] at Denpasar and Gianyar; [III] at Baturiti, Klungkung, Kuta, Tuban and Ubud; [II] at Nusadua. Also felt at Abiansemal, Blahbatuh, Kintamani and Tabanan.							
ISCJB	Event type fe.							

(284) South of Bali.

DJA	**VII**	**17 18 43 58.2–.40**	**9S–9.0**	**116E–2.0**	**93–7**	**4.2b,4.0**		
								¶602027746
ISC	**VIII**	**18 06 55 39.1–.95**	**9.25S–.08**	**114.12E–.05**	**84–8**	**4.2b**	**111**	**1-167**
IDC	VIII	18 06 55 27.8–.57	9.31S	113.85E	0	4.2,4.2		¶601565324
ISCJB	VIII	18 06 55 39.6–.49	9.12S–.07	114.18E–.05	102–4	4.2b,4.2		
NEIC	VIII	18 06 55 40.0–.62	9.14S	114.20E	91–5	4.3b,4.2		
DJA	VIII	18 06 55 39.3–.60	9S–9.0	114E–3.0	54–29	5.1b,4.5		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [II] at Kuta and Nusadua.							
ISC	**IX**	**03 18 58 54.0–1.2**	**11.0S–.10**	**114.01E–.09**	**35**	**3.5b**	**16**	**2-64**
IDC	IX	03 18 58 50.6–2.0	10.79S	113.75E	0	4.4L,3.9		¶601862877
ISCJB	IX	03 18 58 51.5–1.3	11.04S–.10	113.8E–.10	33	3.5b,3.9		
DJA	IX	03 18 58 54.8–1.6	11S–14	114E–5.0	10	4.0,4.0		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**04 00 08 28.3–.37**	**10.98S–.06**	**114.01E–.05**	**35**	**4.5b,3.5s**	**135**	**2-154**
IDC	IX	04 00 08 23.0–.45	10.83S	113.93E	0	4.8L,4.4		¶601673036
NEIC	IX	04 00 08 24.8–.19	10.84S	113.94E	10	4.7b,4.4		
DJA	IX	04 00 08 25.3–.60	11S–7.0	114E–2.0	10	5.1b,4.9		
ISCJB	IX	04 00 08 26.5–.29	10.86S–.04	113.93E–.03	33	4.4b,3.6s		
MOS	IX	04 00 08 26.8–1.0	10.74S	114.03E	33	4.9b,3.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=18.9km s-min=12.3km az=64.0.							
NEIC	Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=222.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=24.8.							
MOS	Error ellipse: s-maj=13.7km s-min=8.2km az=108.7.							
ISC	**IX**	**04 04 27 14.5–.69**	**10.90S–.04**	**114.05E–.04**	**25–4**	**5.0b,4.0s**	**822**	**2-164**
IDC	IX	04 04 27 11.0–.36	10.82S	113.97E	0	5.1L,4.8		¶601673752
BJI	IX	04 04 27 11.3	10.90S	114.00E	11	5.0b,5.0b		
NEIC	IX	04 04 27 13.0–.15	10.84S	113.96E	10	5.0b,5.0b		
ISCJB	IX	04 04 27 14.1–.86	10.89S–.02	113.98E–.02	33–6	4.9b,4.1s		
MOS	IX	04 04 27 14.1–1.5	10.60S	113.99E	25	5.1b,4.1s		
DJA	IX	04 04 27 14.1–.70	11S–2.0	114E–1.0	27–6	5.6b,5.5		
GCMT	IX	04 04 27 15.0–.30	11.07S–.01	114.13E–.02	20–1	5.0W,5.5		
ISC	Event type fe.							
NEIC	Event type fe. Felt [II] at Denpasar, Bali.							
ISCJB	Event type fe.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c43; s77,c119;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.20 $M_{\theta\theta}$3.97±.13; $M_{\phi\phi}$-1.87±.14; $M_{r\theta}$0.79±.20; $M_{\theta\phi}$-1.24±.10; $M_{\phi r}$-1.85±.34; Best double couple: NP1:ϕ_s316.00000°,δ68.00000°,λ-44.00000°. NP2:ϕ_s65.00000°,δ50.00000°,λ-151.00000°. Principal axes: T 4.4360,Plg11.0000° ,Azm14.0000°; N -0.5870,Plg42.0000°,Azm114.0000°; P -3.8490,Plg46.0000° ,Azm273.0000° M_o4.14200×10^{16}							
ISC	**IX**	**04 12 32 07.2–2.0**	**10.6S–.30**	**114.3E–.40**	**35**	**3.8b**	**9**	**13-64**
IDC	IX	04 12 32 02.9–2.2	10.44S	114.25E	0	3.9,3.7		¶601862926
ISCJB	IX	04 12 32 05.2–1.7	10.5S–.20	114.3E–.30	33	3.8b,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**IX**	**07 20 09 43.0–1.9**	**10.95S**	**114.63E**	**0**	**3.9,3.8L**		
								¶601833350
IDC	Error ellipse: s-maj=55.6km s-min=22.7km az=38.0.							
ISC	**IX**	**09 03 30 29.0–.46**	**10.78S–.06**	**114.09E–.05**	**35**	**4.4b,3.6s**	**92**	**2-148**
IDC	IX	09 03 30 23.9–.57	10.68S	114.09E	0	4.4,4.3		¶601696957
ISCJB	IX	09 03 30 27.0–.32	10.79S–.04	114.04E–.03	33	4.3b,3.8s		
NEIC	IX	09 03 30 27.4–2.2	10.70S	114.04E	22–16	4.4b,3.8s		
DJA	IX	09 03 30 28.4–1.1	11S–7.0	114E–2.0	20–14	5.1b,5.0b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**IX**	**11 14 14 54.7–2.4**	**10.68S–.07**	**114.22E–.07**	**5–14**	**4.0b**	**43**	**2-69**
IDC	IX	11 14 14 53.9–1.5	10.77S	114.02E	0	4.1,3.9		¶601734477
NEIC	IX	11 14 14 56.5–3.5	10.79S	113.99E	19–22	4.2b,3.9		
DJA	IX	11 14 14 59.6–.90	11S–7.0	114E–3.0	30–15	4.5b,4.2		
ISC	Event type se.							
NEIC	Event type se.							
IDC	**IX**	**11 21 48 33.0–2.2**	**11.13S**	**114.43E**	**0**	**3.6,3.6**		
								¶601863378
IDC	Error ellipse: s-maj=111.2km s-min=21.6km az=47.0.							
IDC	**IX**	**12 09 03 21.3–2.0**	**10.65S**	**114.06E**	**0**	**3.9,3.8**		
								¶601863402
IDC	Error ellipse: s-maj=90.1km s-min=19.7km az=51.0.							
ISC	**IX**	**15 16 42 26.7–2.7**	**10.2S–.40**	**114.4E–.40**	**35**	**3.9b**	**6**	**22-64**
IDC	IX	15 16 42 21.2–2.7	10.21S	114.27E	0	4.0,3.9		¶601863589
ISCJB	IX	15 16 42 24.5–2.3	10.2S–.40	114.3E–.40	35	3.9b,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**IX**	**15 16 52 03.0–2.6**	**11.19S**	**114.46E**	**0**	**3.6,3.4**		
								¶601863590
IDC	Error ellipse: s-maj=125.2km s-min=24.2km az=45.0.							
IDC	**IX**	**15 17 08 55.4–2.2**	**10.64S**	**114.20E**	**0**	**3.6,3.4**		
								¶601863592
IDC	Error ellipse: s-maj=99.4km s-min=20.7km az=48.0.							
ISC	**IX**	**15 19 32 23.7–1.1**	**10.8S–.10**	**114.00E–.09**	**35**	**3.8b**	**18**	**2-69**
IDC	IX	15 19 32 19.6–2.0	10.59S	114.04E	0	3.7,3.6		¶601863599
ISCJB	IX	15 19 32 20.4–1.0	10.97S–.09	113.96E–.07	33	3.6b,3.3s		
DJA	IX	15 19 32 24.3–2.1	11S–17	114E–6.0	32–46	4.2,4.2		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**15 20 04 29.4–1.4**	**10.7S–.20**	**114.1E–.10**	**35**	**3.4b**	**7**	**9-64**
IDC	IX	15 20 04 24.5–2.1	10.61S	113.96E	0	3.6,3.5		¶601863602
ISCJB	IX	15 20 04 27.9–1.2	10.5S–.20	114.2E–.10	33	3.3b,3.5		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**IX**	**17 20 47 35.0–3.1**	**10.50S**	**114.36E**	**0**	**4.0b,3.9**		
								¶601863726
IDC	Error ellipse: s-maj=103.5km s-min=38.0km az=41.0.							
IDC	**IX**	**17 21 36 19.0–2.1**	**10.58S**	**114.05E**	**0**	**3.8,3.7**		
								¶601863730
IDC	Error ellipse: s-maj=91.9km s-min=20.0km az=47.0.							
IDC	**IX**	**17 23 40 41.3–2.4**	**11.34S**	**114.30E**	**0**	**3.6,3.5**		
								¶601863733
IDC	Error ellipse: s-maj=107.2km s-min=20.1km az=47.0.							
IDC	**IX**	**17 23 55 46.0–2.7**	**11.26S**	**115.57E**	**0**	**3.5,3.4**		
								¶601863735
IDC	Error ellipse: s-maj=135.2km s-min=26.2km az=46.0.							
IDC	**IX**	**19 03 41 33.9–2.9**	**9.81S**	**115.18E**	**0**	**3.5,3.3**		
								¶601863803
IDC	Error ellipse: s-maj=174.2km s-min=23.7km az=48.0.							
ISC	**IX**	**19 07 08 58.4–2.3**	**11.2S–.40**	**114.4E–.40**	**35**	**3.9b**	**8**	**13-70**
IDC	IX	19 07 08 52.9–2.2	11.20S	114.13E	0	4.0,3.8		¶601863813
ISC	Event type ke.							
IDC	Error ellipse: s-maj=88.4km s-min=20.3km az=48.0.							
ISC	**IX**	**19 07 12 08.9–.53**	**10.78S–.10**	**114.02E–.10**	**10**	**4.2b**	**49**	**7-153**
ISCJB	IX	19 07 12 06.9–.37	10.66S–.07	113.96E–.07	10	4.2b		¶601863814
IDC	IX	19 07 12 07.1–.62	10.78S	113.89E	0	4.3,4.2		
NEIC	IX	19 07 12 08.7–.28	10.76S	113.89E	10	4.3b,4.2		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=12.7km s-min=6.5km az=44.2.							

IDC Error ellipse: s-maj=28.2km s-min=11.9km az=53.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.0km az=223.0.
ISC IX 19 07 31 42.7–.43 10.87S–.08 114.01E–.07 10 4.4b 71 5-153
ISCJB IX 19 07 31 41.1–.31 10.72S–.06 114.00E–.06 10 4.4b,3.8s **¶601725142**
IDC IX 19 07 31 41.1–.52 10.75S 113.97E 0 4.4,4.3
BJI IX 19 07 31 41.3 11.47S 114.44E 37 5.0b,4.8b
NEIC IX 19 07 31 42.6–.25 10.77S 113.92E 10 4.4b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.4km az=43.3.
IDC Error ellipse: s-maj=23.3km s-min=13.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=221.0.
ISC IX 19 08 09 26.5–1.1 10.7S–.20 114.2E–.20 35 3.8b 10 13-153
IDC IX 19 08 09 21.0–.90 10.82S 113.80E 0 4.0,3.8L **¶601863818**
ISCJB IX 19 08 09 24.3–.87 10.8S–.20 114.0E–.20 33 3.8b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 19 13 18 17.4–.90 10.4S–.20 114.4E–.10 35 3.9b 20 5-69
IDC IX 19 13 18 11.9–2.4 10.55S 114.19E 0 3.9,3.8 **¶601739623**
NEIC IX 19 13 18 13.6–3.9 10.36S 114.39E 6–26 4.4b,3.8
ISCJB IX 19 13 18 15.4–.70 10.3S–.20 114.5E–.10 33 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 19 14 01 25.8–.80 9S–5.0 114E–2.0 26–7 3.7,3.7
¶602030485
DJA IX 22 20 49 48.3–.90 10S–4.0 114E–2.0 19–9 3.8,3.8
¶602030775
ISC IX 24 18 22 26.1–1.8 10.4S–.40 114.7E–.40 35 3.9b 9 12-58
IDC IX 24 18 22 20.0–2.0 10.50S 114.24E 0 4.0,3.8 **¶601864109**
NEIC IX 24 18 22 21.7–1.6 11.31S 113.31E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=90.1km s-min=19.6km az=51.0.
NEIC Event type se. Error ellipse: s-maj=61.4km s-min=15.6km az=55.0.
ISC IX 24 21 02 17.2–.95 10.82S–.09 114.01E–.08 35 3.8b 22 2-69
IDC IX 24 21 02 13.6–1.7 10.52S 114.19E 0 3.8,3.7 **¶601864116**
ISCJB IX 24 21 02 14.9–.77 10.88S–.06 113.93E–.08 33 3.6b,3.7
DJA IX 24 21 02 17.9–1.5 11S–13 114E–4.0 31–41 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 26 18 15 59.8–1.2 10.90S–.09 114.04E–.10 35 3.2b 19 2-64
IDC IX 26 18 15 54.8–1.8 10.83S 113.85E 0 3.7,3.7L **¶601864225**
ISCJB IX 26 18 15 57.4–.99 10.93S–.06 113.90E–.09 33 3.3b,3.7L
DJA IX 26 18 15 59.2–.90 11S–5.0 114E–6.0 10 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 27 22 24 22.9–.83 10.6S–.10 114.1E–.10 35 4.2b 20 9-69
IDC IX 27 22 24 16.8–1.9 10.74S 113.74E 0 4.0,3.9 **¶601864315**
NEIC IX 27 22 24 19.2–.59 10.58S 113.99E 10 4.3b,3.9
ISCJB IX 27 22 24 20.9–.62 10.5S–.10 114.13E–.08 33 4.1b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 29 05 37 44.8–3.1 10.6S–.70 114.2E–.80 35 3.4b 8 13-69
IDC IX 29 05 37 40.2–3.5 10.51S 114.01E 0 3.8,3.6 **¶601857481**
ISC Event type ke.
IDC Error ellipse: s-maj=178.0km s-min=20.8km az=47.0.
IDC IX 29 06 26 32.7–2.7 11.37S 114.00E 0 4.2,3.9
¶601857483
IDC Error ellipse: s-maj=109.8km s-min=24.6km az=46.0.
ISC X 24 06 43 31.4–.73 10.8S–.10 114.05E–.08 35 4.2b 28 2-153
IDC X 24 06 43 26.5–.89 10.69S 114.04E 0 4.2,4.2 **¶601999456**
ISCJB X 24 06 43 28.9–.60 10.89S–.07 113.99E–.05 33 4.1b,4.2
DJA X 24 06 43 29.2–.60 11S–6.0 114E–3.0 10 4.7b,4.6b
ISC Event type ke.
ISCJB Event type ke.
DJA X 24 07 54 48.3–2.3 11S–17 114E–6.0 27–38 3.5,3.5
¶601999465
DJA XI 08 15 54 29.9–.80 11S–6.0 114E–4.0 10 3.5,3.5
¶606792929
ISC XI 30 17 44 20.6–1.4 10.8S–.20 114.1E–.10 35 3.5b 8 9-64
IDC XI 30 17 44 15.2–1.7 10.84S 113.87E 0 3.8,3.6 **¶602390245**
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=19.7km az=41.0.
ISC XII 08 08 32 03.9–.74 9.89S–.06 114.26E–.06 10 3.9b 31 1-68
IDC XII 08 08 32 03.1–1.4 9.46S 114.56E 0 3.9,3.8 **¶602030353**
ISCJB XII 08 08 32 04.3–.58 10.00S–.06 114.23E–.04 10 3.8b,2.9s
DJA XII 08 08 32 08.8–.30 10S–3.0 114E–2.0 10 4.7b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 08 14 30 35.3–.47 9.90S–.06 114.16E–.05 10 4.3b,3.7s 77 1-154
IDC XII 08 14 30 32.9–.54 9.61S 114.32E 0 4.5L,4.3 **¶602032195**
NEIC XII 08 14 30 38.2–.34 9.69S 114.24E 35 4.2b,4.3
DJA XII 08 14 30 40.1–.30 10S–4.0 114E–2.0 10 5.6,5.0
ISC Event type se.
NEIC Event type se.
ISC XII 16 16 24 26.1–.60 10.99S–.08 114.06E–.07 35 3.9b 52 2-118
IDC XII 16 16 24 22.1–1.2 10.82S 114.01E 0 4.2,4.2 **¶602216199**
ISCJB XII 16 16 24 23.8–.39 11.03S–.05 113.95E–.05 33 4.0b,4.2
NEIC XII 16 16 24 23.8–2.3 10.98S 113.99E 17–16 4.2b,4.2
DJA XII 16 16 24 26.6–1.9 11S–17 114E–5.0 10 4.2,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 24 08 58 18.9–2.2 10.11S 114.52E 0 3.8,3.6
¶602391985
IDC Error ellipse: s-maj=104.9km s-min=19.5km az=49.0.
DJA XII 25 20 48 01.6–.60 9S–3.0 115E–2.0 27–4 3.7b,3.7
¶606793585
DJA XII 29 01 44 54.2–.60 9S–4.0 115E–3.0 33–6 3.5,3.5
¶606793647

(285) Sumbawa region.

DJA VII 01 20 00 51.1–.50 9S–6.0 119E–2.0 81–8 3.4,3.4
¶602027346
ISC VII 08 07 06 46.7–.41 9.99S–.05 118.97E–.03 33 4.5b,3.6s 93 1-136
ISCJB VII 08 07 06 45.0–.30 9.87S–.05 119.01E–.03 33 4.5b,3.6s **¶601263743**
IDC VII 08 07 06 48.8–2.5 9.78S 118.97E 48–27 4.4,4.4L
NEIC VII 08 07 06 50.7–.66 9.83S 119.10E 70–7 4.4b,4.4L
DJA VII 08 07 06 51.8–.40 10S–4.0 119E–2.0 39–6 5.0b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA VII 11 03 34 25.8–1.5 9S–5.0 116E–3.0 25–15 3.6,3.6
¶602027592
ISC VII 15 03 10 10.6–.73 9.67S–.08 118.99E–.05 46 3.9b 29 0-80
ISCJB VII 15 03 10 10.7–.45 9.62S–.07 119.00E–.04 46 3.8b **¶601664603**
DJA VII 15 03 10 11.7–.40 9S–4.0 119E–2.0 15–5 4.3b,4.3
IDC VII 15 03 10 13.5–3.3 9.59S 119.07E 78–28 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.3km az=20.0.
IDC Error ellipse: s-maj=38.5km s-min=12.0km az=49.0.
DJA VII 16 00 28 24.7–.90 9S–6.0 117E–2.0 25–7 4.6b,4.1
¶602027725
DJA VII 18 00 07 12.0–.80 8S–7.0 119E–3.0 10 4.8b,3.5
¶602027759
DJA VII 28 09 51 04.5–.90 10S–4.0 117E–2.0 16–7 3.7,3.7
¶602028040
DJA VIII 04 03 25 41.5–.80 9S–4.0 118E–2.0 27–8 3.5,3.5
¶602028184
ISC VIII 09 11 04 25.8–.39 8.87S–.03 116.36E–.03 119–3 5.1b 1226 1-163
KLM VIII 09 11 04 23.0 9.03S 116.39E 118 5.4b **¶601533195**
BJI VIII 09 11 04 24.7 8.80S 116.30E 117 5.0b,5.0b
ISCJB VIII 09 11 04 24.9–.23 8.77S–.02 116.38E–.02 124–2 5.1b,5.0b
GCMT VIII 09 11 04 24.9–.20 8.98S–.01 116.34E–.02 118–2 5.0W,5.0b
NEIC VIII 09 11 04 24.9–.39 8.72S 116.36E 107–3 5.3b,5.0b
IDC VIII 09 11 04 26.2–.82 8.69S 116.35E 118–6 5.1,4.8
MOS VIII 09 11 04 26.5–1.3 8.46S 116.34E 127 4.9b,4.8
DJA VIII 09 11 04 26.0–.20 9S–2.0 116E–1.0 93–2 5.8,5.7b
ISC Event type fe.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c64; s99,c149;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.11 $M_{\theta\theta}$-2.28±.14; $M_{\phi\phi}$-1.14±.16; $M_{r\theta}$-1.66±.09; $M_{\theta\phi}$-3.07±.12; $M_{\phi r}$1.17±.12; Best double couple: NP1:ϕ_s258.00000°,δ56.00000°,λ128.00000°. NP2:ϕ_s23.00000°,δ49.00000°,λ47.00000°. Principal axes: T 4.6410,Plg59.0000° ,Azm225.0000°; N 0.2280,Plg31.0000°,Azm54.0000°; P -4.8690,Plg4.0000°,Azm321.0000° M_o4.75500×10^{16}
NEIC Event type fe. Felt [III] at Lombok and Mataram and [II] at Praya. Felt [IV] at Karangasem; [III] at Denpasar, Kuta and Ubud; [II] at Jimbarancarik, Bali. Also felt at Klungkung and Tabanan. Felt on Sumbawa.
ISC VIII 17 07 48 33.6–.96 8.89S–.09 118.98E–.04 100 13 1-64
IDC VIII 17 07 48 22.4–2.0 8.10S 119.36E 0 3.5,3.4L **¶601765974**
DJA VIII 17 07 48 36.2–.40 9S–8.0 119E–2.0 91–6 3.6,3.6
ISC Event type ke.
ISC VIII 18 23 40 02.7–.51 8.22S–.05 118.62E–.04 10 4.0b 38 1-145
ISCJB VIII 18 23 40 00.9–.46 8.34S–.05 118.53E–.07 10 4.2b,3.1s **¶601667491**
IDC VIII 18 23 40 00.5–.91 8.36S 118.28E 0 4.2L,4.1
DJA VIII 18 23 40 04.9–.30 8S–3.0 119E–2.0 10 4.3,4.3
NEIC VIII 18 23 40 05.4–.39 8.37S 118.34E 35 4.1b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.7km az=158.0.
IDC Error ellipse: s-maj=55.1km s-min=12.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.5km az=224.0.
ISC VIII 21 23 42 18.1–.49 8.99S–.06 118.49E–.05 150 4.0b 59 1-147
ISCJB VIII 21 23 42 16.9–.30 8.97S–.04 118.47E–.03 150 3.9b **¶601614633**
IDC VIII 21 23 42 16.2–2.4 8.73S 118.33E 111–21 4.3,4.0
NEIC VIII 21 23 42 17.3–.87 8.80S 118.43E 126–9 4.0b,4.0
DJA VIII 21 23 42 19.8–.20 9S–4.0 118E–1.0 83–4 4.6b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA VIII 27 04 07 09.8–.50 8S–3.0 118E–2.0 21–5 3.8,3.8
¶602028734
ISC IX 04 10 30 59.9–.92 8.14S–.06 118.31E–.06 10 13 1-63
ISCJB IX 04 10 30 58.3–.67 8.20S–.07 118.45E–.07 10 3.6b **¶601862919**
DJA IX 04 10 30 59.4–.30 8S–3.0 118E–3.0 10 3.7,3.7
IDC IX 04 10 31 08.1–6.1 8.46S 118.48E 70–58 3.5,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.1km az=138.1.
IDC Error ellipse: s-maj=168.0km s-min=31.6km az=52.0.
DJA IX 06 13 22 52.3–.70 9S–17 117E–5.0 154–8 2.9,2.9
¶602029297
ISC IX 08 16 23 49.3–.85 8.32S–.06 117.99E–.04 10 3.8b 20 1-63
ISCJB IX 08 16 23 47.9–.48 8.26S–.06 118.02E–.04 10 4.1s,3.8b **¶601863178**
IDC IX 08 16 23 47.5–1.7 8.44S 117.82E 0 4.1,4.1s
DJA IX 08 16 23 49.0–.30 8S–4.0 118E–2.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 09 55 53.1–.75 9.82S–.07 116.24E–.07 33 3.8b 20 1-64
ISCJB IX 13 09 55 53.1–.63 9.95S–.05 116.17E–.05 33 3.7b,2.8s **¶601712973**
DJA IX 13 09 55 54.6–.50 10S–4.0 116E–2.0 10 4.0,4.0
IDC IX 13 09 56 00.0–4.4 9.07S 116.97E 84–42 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.1km az=39.6.
IDC Error ellipse: s-maj=48.3km s-min=15.0km az=45.0.
DJA IX 14 05 46 34.8–.40 8S–4.0 117E–2.0 10 3.5,3.5
¶602029835
ISC IX 15 02 23 48.4–.93 9.76S–.07 116.57E–.04 35 4.0b 28 1-64
IDC IX 15 02 23 38.0–2.2 9.94S 115.77E 0 4.2L,4.0 **¶601863566**
ISCJB IX 15 02 23 47.0–.55 9.77S–.05 116.58E–.03 33 3.8b,2.9s
DJA IX 15 02 23 48.7–.70 10S–3.0 117E–2.0 19–7 4.8b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 16 00 56 45.4–1.4 8.3S–.20 119.0E–.10 156 8 5-73
ISCJB IX 16 00 56 43.3–1.2 8.2S–.20 119.0E–.10 156 3.2b **¶601863626**
IDC IX 16 00 56 45.5–2.7 8.36S 118.96E 158–24 3.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.8km s-min=12.5km az=31.8.
IDC Error ellipse: s-maj=45.2km s-min=16.0km az=45.0.
DJA IX 20 01 51 37.5–.40 9S–5.0 118E–3.0 108–5 3.5,3.5
¶602030599
ISC IX 20 14 15 20.2–1.8 8.6S–.20 118.18E–.09 10 9 0-24
IDC IX 20 14 15 06.8–2.0 8.13S 117.30E 0 3.5,3.5L **¶601863896**
DJA IX 20 14 15 18.4–.90 8S–8.0 118E–4.0 11–5 3.2,3.2
ISC Event type ke.
ISC IX 20 15 25 09.1–1.7 9.51S–.07 117.56E–.04 14–13 23 1-64
IDC IX 20 15 25 00.3–2.1 9.14S 116.95E 0 3.7,3.6 **¶601863901**
DJA IX 20 15 25 14.7–.30 9S–5.0 118E–2.0 68–6 4.1b,4.1
ISC Event type ke.
ISC IX 22 02 10 13.1–.70 8.79S–.06 118.31E–.06 150 3.9b 27 1-79
IDC IX 22 02 10 08.1–4.8 8.54S 118.09E 94–45 4.1,3.9 **¶601736485**
ISCJB IX 22 02 10 11.5–.53 8.75S–.06 118.27E–.07 150 3.8b,3.9
DJA IX 22 02 10 14.1–.30 9S–3.0 118E–3.0 114–4 4.7b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 27 14 03 01.6–.00 9.79S–.07 117.98E–.05 10 18 1-69
IDC IX 27 14 02 56.7–1.8 9.77S 117.65E 0 3.8,3.7 **¶601864284**
ISCJB IX 27 14 03 00.2–.57 9.88S–.06 118.01E–.05 10 3.9s,3.6b
DJA IX 27 14 03 03.3–.90 10S–4.0 118E–2.0 10–6 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 03 00 35 26.7–.89 8.01S–.06 117.65E–.05 35 3.8b 18 1-63
IDC X 03 00 35 20.4–2.8 8.46S 117.03E 0 3.7,3.6 **¶601996867**
ISCJB X 03 00 35 25.1–.57 7.91S–.05 117.66E–.05 33 3.6b,3.6
DJA X 03 00 35 25.7–.60 8S–4.0 118E–2.0 25–8 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA X 05 02 48 59.5–.30 8S–3.0 118E–3.0 10 3.6,3.6
¶601997091
IDC X 07 08 02 41.7–2.0 9.81S 118.39E 0 3.6,3.4
¶601997349
IDC Error ellipse: s-maj=79.0km s-min=25.5km az=45.0.
ISC X 08 13 18 28.4–.69 8.54S–.09 116.15E–.06 35 4.0b 34 1-63
IDC X 08 13 18 21.7–1.8 8.97S 115.50E 0 4.2,4.1 **¶601838464**
DJA X 08 13 18 26.8–.40 8S–9.0 116E–3.0 17–5 4.0,4.0
ISCJB X 08 13 18 27.3–.39 8.66S–.07 116.15E–.04 35 3.9b,4.0
NEIC X 08 13 18 29.4–1.1 8.66S 116.10E 48–15 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=79.6km s-min=18.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.2km az=22.3.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=7.7km az=213.0.
DJA X 16 12 32 39.0–.40 9S–5.0 118E–2.0 47–7 3.5,3.5
¶601998525
ISC X 18 13 12 58.5–.88 8.04S–.05 117.54E–.04 35 20 1-63
IDC X 18 13 12 53.8–2.8 8.17S 117.32E 0 3.9,3.7 **¶601998802**
ISCJB X 18 13 12 57.1–.48 7.98S–.05 117.52E–.03 33 3.8b,3.7
DJA X 18 13 12 57.1–.90 8S–4.0 118E–2.0 18–7 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 06 00 41 52.9–.82 8.65S–.08 118.29E–.04 152 3.5b 24 1-72
IDC XI 06 00 41 50.6–3.0 8.41S 118.34E 125–27 3.8,3.5 **¶602388894**
ISCJB XI 06 00 41 51.4–.45 8.65S–.07 118.31E–.04 152 3.5b,3.5

DJA XI 06 00 41 53.8–.30 9S–4.0 118E–2.0 111–4 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 00 13 07.7–.88 8.22S–.10 118.28E–.05 200 3.6b 19 1-63
IDC XI 07 00 13 05.0–2.8 8.06S 118.02E 163–25 3.9,3.4 **¶602388932**
ISCJB XI 07 00 13 07.0–.64 8.16S–.09 118.28E–.05 200 3.5b,3.4
DJA XI 07 00 13 08.8–.60 8S–10 118E–2.0 186–6 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 20 05 51.7–1.1 9.58S–.10 118.64E–.06 48 18 1-65
IDC XI 08 20 05 41.9–3.1 9.19S 118.52E 0 3.7,3.6L **¶602389049**
ISCJB XI 08 20 05 50.3–.61 9.65S–.08 118.68E–.05 48 3.5b,3.6L
DJA XI 08 20 05 53.1–.40 9S–4.0 119E–2.0 56–5 4.5b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 09 05 13 04.6–.58 9.89S–.07 118.13E–.04 35 4.4b,3.3s 62 1-86
IDC XI 09 05 12 59.2–.98 9.74S 118.09E 0 4.2,4.1 **¶601890906**
ISCJB XI 09 05 13 02.2–.32 10.00S–.04 118.11E–.03 35 4.3b,3.4s
NEIC XI 09 05 13 05.3–.67 9.95S 118.12E 52–7 4.0b,3.4s
DJA XI 09 05 13 06.7–.70 10S–4.0 118E–2.0 21–8 4.7b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 09 15 07 50.6–.25 8.01S–.03 117.59E–.04 35 5.2b,4.1s 351 1-156
IDC XI 09 15 07 45.7–.35 7.94S 117.51E 0 5.0,5.0 **¶601882843**
ISCJB XI 09 15 07 49.4–.13 7.92S–.02 117.62E–.02 33 5.1b,4.1s
BJI XI 09 15 07 49.0 7.90S 117.60E 31 5.2b,5.1b
GCMT XI 09 15 07 50.0–.30 7.96S–.02 117.55E–.04 21–0 4.9W,5.1b
MOS XI 09 15 07 50.2–.96 7.89S 117.57E 43 5.5b,5.1b
DJA XI 09 15 07 50.8–.30 8S–2.0 118E–1.0 19–3 6.1,5.5b
KLM XI 09 15 07 51.0 7.97S 117.65E 40 5.2b,5.5b
NEIC XI 09 15 07 51.0–.20 7.95S 117.61E 35 5.3b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=9.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=29.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c43; s67,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.33±.16 $M_{\theta\theta}$-2.59±.09; $M_{\phi\phi}$0.25±.11; $M_{r\theta}$-0.08±.15; $M_{\theta\phi}$-0.25±.07; $M_{\phi r}$0.23±.28; Best double couple: NP1:ϕ_s272.00000°,δ46.00000°,λ99.00000°. NP2:ϕ_s79.00000°,δ45.00000°,λ81.00000°. Principal axes: T 2.3580,Plg83.0000° ,Azm259.0000°; N 0.2500,Plg7.0000°,Azm85.0000°; P -2.6120,Plg1.0000°,Azm355.0000° M_o2.48500×10^{16}
MOS Error ellipse: s-maj=8.7km s-min=5.8km az=111.7.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=221.0.
ISC XI 11 05 24 48.6–.35 8.71S–.05 118.44E–.04 152 4.4b 101 1-155
ISCJB XI 11 05 24 46.7–.25 8.65S–.04 118.42E–.03 152 4.3b **¶601883931**
NEIC XI 11 05 24 46.5–.57 8.53S 118.42E 131–5 4.5b
KLM XI 11 05 24 46.0 8.77S 118.39E 106 4.7b
IDC XI 11 05 24 47.8–1.6 8.47S 118.57E 139–13 4.5,4.1
DJA XI 11 05 24 48.5–.20 9S–3.0 118E–1.0 104–3 5.2b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 15 15 15 56.0–2.4 8.15S 117.63E 0 3.4,3.4b
¶602389468
IDC Error ellipse: s-maj=166.9km s-min=26.8km az=52.0.
DJA XI 18 04 59 32.5–.40 9S–6.0 118E–2.0 10 3.5,3.5
¶606793059
ISC XI 21 09 59 42.6–.37 8.73S–.05 118.42E–.03 152 4.4b 106 1-154
NEIC XI 21 09 59 40.0–.65 8.55S 118.40E 130–6 4.8b **¶601993426**
ISCJB XI 21 09 59 40.2–.25 8.70S–.04 118.34E–.02 152 4.5b
IDC XI 21 09 59 41.6–1.3 8.47S 118.52E 142–10 4.5,4.1
DJA XI 21 09 59 41.4–.20 9S–3.0 118E–1.0 115–3 5.2b,5.0b
BJI XI 21 09 59 41.6 9.14S 118.56E 129 4.8b,4.7b
KLM XI 21 09 59 44.0 8.93S 118.49E 140 4.9b,4.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=11.1.
IDC Error ellipse: s-maj=14.2km s-min=7.9km az=63.0.
DJA XI 26 10 51 54.5–.30 8S–3.0 118E–2.0 10 4.0,4.0
¶606793146
DJA XII 02 01 58 25.0–1.0 9S–10 117E–5.0 199–13 3.3,3.3
¶606793270
ISC XII 02 16 40 20.1–.42 9.85S–.05 118.87E–.03 33 4.4b 95 1-118
ISCJB XII 02 16 40 18.8–.27 9.89S–.04 118.85E–.02 33 4.3b,3.4s **¶601995834**
NEIC XII 02 16 40 22.3–.56 9.83S 118.86E 57–6 4.0b,3.4s
IDC XII 02 16 40 22.4–3.2 9.76S 118.86E 51–31 4.1,4.0
DJA XII 02 16 40 23.5–.40 10S–2.0 119E–1.0 29–4 6.9,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA XII 05 22 44 12.7–.60 10S–5.0 116E–2.0 10 3.5,3.5
¶606793313
ISC XII 16 13 12 28.2–.50 8.28S–.05 117.74E–.06 35 4.4b,3.2s 60 1-145
IDC XII 16 13 12 22.8–.75 8.30S 117.62E 0 4.2,4.1 **¶602043811**
DJA XII 16 13 12 25.0–.20 8S–2.0 118E–2.0 10 4.9b,4.9b
ISCJB XII 16 13 12 26.0–.29 8.25S–.03 117.74E–.03 35 4.4b,3.3s
NEIC XII 16 13 12 28.5–.85 8.38S 117.74E 43–10 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=14.7km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=25.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=211.0.
DJA XII 20 14 36 07.0–.40 9S–8.0 116E–2.0 87–5 3.6,3.6
¶606793512
IDC XII 21 10 24 15.4–4.7 8.83S 118.87E 157–43 3.4s,3.4
¶602391806
IDC Error ellipse: s-maj=78.7km s-min=11.4km az=50.0.

(286) Flores region.

ISC VII 13 16 59 58.6–.88 8.29S–.06 120.53E–.06 150 3.4b 23 1-69
IDC VII 13 16 59 57.9–4.3 8.25S 120.41E 157–44 3.6,3.2 **¶601664537**
ISCJB VII 13 17 00 01.2–.69 8.36S–.07 120.56E–.05 150 3.4b,3.2
DJA VII 13 17 00 01.2–.50 8S–5.0 121E–3.0 157–5 4.4,4.4
ISC Event type ke.
ISCJB Event type ke.
DJA VII 16 20 43 46.0–.40 9S–2.0 120E–2.0 13–4 3.8,3.8
¶602027712
DJA VII 18 00 09 57.1–.60 8S–5.0 122E–3.0 10–5 5.2b,4.7b
¶602027760
ISC VII 20 17 44 59.3–.28 8.12S–.04 123.65E–.05 35 4.7b,3.9s 225 1-153
IDC VII 20 17 44 54.0–.49 7.99S 123.53E 0 4.4,4.4b **¶601453283**
BJI VII 20 17 44 55.6 8.10S 123.60E 15 4.9b,4.7s
MOS VII 20 17 44 57.2–.80 8.01S 123.54E 33 4.8b,4.7s
ISCJB VII 20 17 44 57.1–.16 8.05S–.02 123.66E–.03 33 4.8b,3.6s
DJA VII 20 17 44 57.1–.20 8S–2.0 124E–2.0 10 5.0b,5.0b
NEIC VII 20 17 44 59.1–.18 8.10S 123.59E 35 4.9b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=12.7km az=72.0.
MOS Error ellipse: s-maj=14.5km s-min=7.4km az=115.7.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=151.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=57.0.
ISC VII 20 18 14 52.1–.44 8.10S–.03 123.71E–.04 32–2 5.2b,4.3s 486 2-162
IDC VII 20 18 14 47.5–.36 7.97S 123.54E 0 4.7,4.7b **¶601453285**
ISCJB VII 20 18 14 48.8–.73 8.00S–.02 123.72E–.02 19–5 5.1b,4.3s
MOS VII 20 18 14 50.9–.95 7.94S 123.63E 33 5.4b,4.3s
BJI VII 20 18 14 51.1 8.10S 123.70E 34 5.2b,4.9b
DJA VII 20 18 14 51.1–.10 8S–2.0 124E–1.0 10 5.5b,5.2
NEIC VII 20 18 14 53.3–.45 8.01S 123.68E 42–4 5.4b,5.2
GCMT VII 20 18 14 53.3–.10 7.97S 123.77E 12 5.2W,5.2
KLM VII 20 18 14 55.0 8.29S 123.65E 36 5.2b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=10.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=148.4.
MOS Error ellipse: s-maj=10.1km s-min=5.7km az=113.9.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=51.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s74,c113; s106,c187; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.24±.10 $M_{\theta\theta}$-5.62±.07; $M_{\phi\phi}$0.37±.11; $M_{r\theta}$-3.51±.23; $M_{\theta\phi}$-1.13±.09; $M_{\phi r}$-2.13±.31; Best double couple: NP1:ϕ_s247.00000° ,δ64.00000°,λ77.00000°. NP2:ϕ_s93.00000°,δ29.00000°,λ114.00000°. Principal axes: T 6.7570,Plg69.0000°,Azm132.0000°; N 0.2910,Plg11.0000°,Azm253.0000° ; P -7.0500,Plg18.0000°,Azm346.0000° M_o6.90400×10^{16}
ISC VII 21 16 01 01.7–.40 8.10S–.03 123.71E–.04 10 4.4b,3.4s 78 2-146
ISCJB VII 21 16 00 59.9–.28 8.01S–.03 123.80E–.03 10 4.3b,3.4s **¶601456440**
IDC VII 21 16 01 00.6–.59 8.04S 123.69E 0 4.3,4.2
NEIC VII 21 16 01 05.2–.45 8.12S 123.73E 35 4.2b,4.2
DJA VII 21 16 01 05.1–.50 8S–1.0 124E–2.0 33–7 4.9b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 21 16 53 37.9–.72 8.06S–.06 123.94E–.06 10 3.9b 21 2-97
ISCJB VII 21 16 53 36.0–.52 8.05S–.06 123.88E–.04 10 3.9b,3.9s **¶601456443**
IDC VII 21 16 53 37.0–1.2 7.86S 124.13E 0 4.2,4.0
NEIC VII 21 16 53 38.3–.62 7.89S 124.15E 10 4.0b,4.0
DJA VII 21 16 53 42.6–.90 8S–4.0 124E–3.0 33–12 4.4b,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 21 17 49 26.7–.48 8.12S–.05 123.80E–.06 35 4.5b 67 2-70
IDC VII 21 17 49 20.6–.84 8.10S 124.01E 0 4.1,4.0L **¶601456444**
ISCJB VII 21 17 49 24.4–.27 8.06S–.03 123.84E–.03 33 4.6b,3.0s
DJA VII 21 17 49 24.0–.30 8S–2.0 124E–2.0 10 4.6b,4.3
NEIC VII 21 17 49 26.8–.30 8.19S 123.72E 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=11.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=139.1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.3km az=60.0.
DJA VII 22 15 49 53.6–1.2 8S–12 121E–4.0 10 3.7,3.7
¶602027866
ISC VII 24 07 29 38.2–1.4 8.21S–.05 120.54E–.04 29–11 4.3b 44 1-168
IDC VII 24 07 29 33.1–1.9 8.30S 120.26E 0 4.0,4.0L **¶601666360**
NEIC VII 24 07 29 38.8–.37 8.18S 120.54E 35 4.2b,4.0L
DJA VII 24 07 29 38.3–.30 8S–3.0 121E–2.0 10 4.2,4.2
ISC Event type fe.
NEIC Event type fe. Felt [III] at Ruteng.
ISC VII 29 12 35 08.6–1.0 8.30S–.08 119.60E–.05 200 17 1-64
ISCJB VII 29 12 35 07.7–.62 8.32S–.08 119.61E–.05 200 3.2b **¶601666629**
DJA VII 29 12 35 10.3–.80 8S–6.0 120E–2.0 163–11 3.5,3.5
IDC VII 29 12 35 13.2–2.2 7.76S 120.25E 215–17 3.7s,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.6km az=4.9.
IDC Error ellipse: s-maj=80.0km s-min=11.8km az=50.0.
ISC VII 31 10 46 10.7–.76 8.12S–.08 119.85E–.05 219–7 3.8b 33 2-145
ISCJB VII 31 10 46 09.7–.45 7.99S–.07 119.82E–.04 218–5 3.8b **¶601650817**
IDC VII 31 10 46 12.8–1.7 7.98S 119.99E 238–16 4.2,3.7
DJA VII 31 10 46 12.5–.50 8S–7.0 120E–2.0 202–5 4.8b,4.8b
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 02 20 28 55.6–1.6 8.35S 122.40E 203–16 3.4,3.0
¶601765367
IDC Error ellipse: s-maj=58.7km s-min=22.1km az=63.0.
ISC VIII 06 12 13 04.4–1.3 8.7S–.10 123.2E–.10 150 15 1-66
DJA VIII 06 12 13 01.8–.90 8S–8.0 123E–4.0 151–9 4.1b,3.6 **¶601765554**
ISCJB VIII 06 12 13 03.4–1.0 8.70S–.10 123.26E–.08 150 4.3b,3.6
IDC VIII 06 12 13 06.0–1.6 8.87S 123.18E 172–15 4.1,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=7.2km az=37.0.
IDC Error ellipse: s-maj=87.0km s-min=14.6km az=60.0.
ISC VIII 17 16 30 10.1–.60 8.39S–.05 119.72E–.04 171–5 4.2b 96 1-154
ISCJB VIII 17 16 30 09.5–.23 8.42S–.03 119.70E–.02 172–3 4.1b **¶601564938**
NEIC VIII 17 16 30 09.1–.66 8.16S 119.71E 168–6 4.4b
IDC VIII 17 16 30 10.2–2.1 8.11S 119.79E 173–19 4.5,4.0
DJA VIII 17 16 30 10.8–.10 8S–2.0 120E–1.0 155–2 5.2b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA VIII 25 12 34 35.7–.40 8S–10 121E–2.0 116–5 4.0b,3.8
¶602028687
DJA VIII 26 19 15 28.7–.50 8S–3.0 119E–2.0 13–4 4.2b,3.8
¶602028727
ISC VIII 29 00 40 04.4–1.4 8.10S–.09 123.0E–.20 221 9 2-66
ISCJB VIII 29 00 40 02.7–1.2 8.05S–.08 122.8E–.20 221 3.1b **¶601755540**
IDC VIII 29 00 40 03.6–1.9 7.98S 122.93E 206–18 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=9.9km az=168.7.
IDC Error ellipse: s-maj=41.8km s-min=23.8km az=79.0.
ISC VIII 31 04 13 01.3–1.0 8.38S–.10 121.59E–.06 198–7 3.7b 22 0-70
ISCJB VIII 31 04 13 00.4–.62 8.25S–.07 121.58E–.05 197–4 3.4b **¶601755649**
IDC VIII 31 04 13 00.5–2.9 8.21S 121.45E 180–31 3.9,3.5
DJA VIII 31 04 13 03.0–.60 8S–9.0 122E–2.0 179–5 4.6b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 19 36 34.1–.85 8.79S–.06 121.50E–.05 172–7 26 0-108
ISCJB VIII 31 19 36 34.3–.54 8.80S–.05 121.48E–.04 169–5 3.8b **¶601755792**
IDC VIII 31 19 36 35.2–1.9 8.68S 121.63E 181–15 3.8,3.6
DJA VIII 31 19 36 36.2–.40 9S–4.0 121E–2.0 151–4 4.6b,4.2
ISC Event type ke.
ISCJB Event type ke.
DJA IX 03 19 44 55.3–.30 8S–4.0 123E–4.0 10 4.5b,4.2
¶602029067
ISC IX 05 16 03 42.6–.73 8.86S–.07 122.53E–.07 106 3.6b 19 0-70
ISCJB IX 05 16 03 40.3–.60 8.94S–.07 122.72E–.07 106 3.7b **¶601862990**
IDC IX 05 16 03 41.6–2.4 9.01S 122.19E 102–22 3.9,3.7
DJA IX 05 16 03 44.6–.40 9S–5.0 123E–3.0 77–6 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 05 19 53.1–.86 8.35S–.04 119.85E–.04 164–8 33 1-72
ISCJB IX 08 05 19 52.3–.43 8.36S–.03 119.85E–.04 170–5 3.7b **¶601863148**
DJA IX 08 05 19 53.7–.30 8S–2.0 120E–2.0 155–4 4.6b,3.9b
IDC IX 08 05 19 55.0–6.5 8.43S 119.92E 176–44 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.1km az=167.5.
IDC Error ellipse: s-maj=64.3km s-min=57.1km az=68.0.
IDC IX 10 03 29 04.0–5.0 8.15S 120.12E 194–59 3.7,3.3
¶601863278
IDC Error ellipse: s-maj=133.0km s-min=15.9km az=49.0.
ISC IX 11 19 52 35.8–.83 8.45S–.07 123.78E–.07 200 3.3b 23 1-66
DJA IX 11 19 52 34.1–.50 8S–6.0 124E–4.0 185–7 4.9b,4.2 **¶601863372**
IDC IX 11 19 52 34.2–2.9 8.13S 124.09E 161–29 3.8,3.5
ISCJB IX 11 19 52 35.2–.69 8.51S–.07 123.73E–.06 200 3.2b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 15 58 29.7–1.6 8.3S–.20 122.13E–.06 216–8 22 0-30
ISCJB IX 13 15 58 27.8–.85 8.16S–.09 122.18E–.05 222–5 3.7b **¶601863467**
DJA IX 13 15 58 28.8–.50 8S–6.0 122E–2.0 210–5 5.4b,4.8
IDC IX 13 15 58 32.7–4.6 8.38S 122.40E 219–15 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.1km az=21.6.
IDC Error ellipse: s-maj=78.8km s-min=47.0km az=69.0.
ISC IX 15 00 38 08.6–1.2 8.47S–.08 119.54E–.06 170 13 1-31
IDC IX 15 00 37 18.3–12 6.27S 116.97E 0 3.7,3.5 **¶602029887**
ISCJB IX 15 00 38 08.2–.60 8.50S–.07 119.56E–.05 170 3.8b,3.5

DJA IX 15 00 38 10.0–.60 8S–4.0 120E–3.0 151–6 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC IX 21 00 30 45.0–.48 8.39S–.04 121.39E–.05 35 4.4b,3.5s 60 0-117
ISCJB IX 21 00 30 42.8–.34 8.42S–.04 121.21E–.04 33 4.4b,3.3s **¶601735546**
NEIC IX 21 00 30 43.8–2.7 8.34S 121.24E 29–20 4.4b,3.3s
DJA IX 21 00 30 44.2–.50 8S–3.0 121E–2.0 13–5 4.7b,4.5
IDC IX 21 00 30 52.4–2.1 8.33S 121.46E 102–18 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=145.4.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.7km az=51.0.
IDC Error ellipse: s-maj=32.5km s-min=10.5km az=60.0.
IDC IX 21 08 17 07.5–7.8 8.03S 121.37E 180–36 3.5,3.5b
¶601863945
IDC Error ellipse: s-maj=105.2km s-min=72.9km az=35.0.
DJA IX 25 00 17 00.7–.50 8S–3.0 119E–2.0 22–5 3.6,3.6
¶602031004
ISC X 04 06 38 49.5–.29 8.25S–.04 123.66E–.05 35 4.9b,3.9s 226 1-153
BJI X 04 06 38 38.7 8.87S 123.78E 5 5.0b,4.9b **¶601781455**
IDC X 04 06 38 45.4–.44 8.16S 123.62E 0 4.7,4.7b
NEIC X 04 06 38 45.0–.29 8.22S 123.45E 10 4.9b,4.7b
DJA X 04 06 38 45.0–.20 8S–2.0 124E–2.0 10 5.3b,5.0b
ISCJB X 04 06 38 47.7–.17 8.25S–.03 123.80E–.03 33 4.8b,3.9s
MOS X 04 06 38 47.1–1.5 8.07S 123.63E 31 5.2b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=16.8km s-min=9.4km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=5.6km az=60.0. Felt [IV] on Pulau Kawula.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.1km az=146.4.
MOS Error ellipse: s-maj=14.4km s-min=7.3km az=117.4.
ISC X 04 18 11 32.3–1.4 8.01S–.10 123.72E–.08 35 3.8b 15 2-70
IDC X 04 18 11 29.8–1.2 7.88S 124.28E 0 3.9,3.8 **¶601997058**
DJA X 04 18 11 32.7–1.6 8S–11 124E–4.0 30–21 3.8,3.8
ISC Event type ke.
ISC X 04 23 58 22.8–1.1 8.17S–.06 123.56E–.07 10 14 1-66
ISCJB X 04 23 58 21.0–.76 8.16S–.06 123.67E–.05 10 3.7b **¶601997078**
IDC X 04 23 58 23.1–1.9 7.55S 124.97E 0 4.0,3.8
DJA X 04 23 58 24.0–1.3 8S–4.0 124E–3.0 20–17 4.4b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 05 10 34 10.8–.60 8.25S–.04 123.62E–.05 35 4.4b,3.1s 50 1-80
IDC X 05 10 34 06.1–1.1 8.04S 124.20E 0 4.3,4.2 **¶601790318**
NEIC X 05 10 34 07.9–.56 8.22S 123.61E 10 4.4b,4.2
ISCJB X 05 10 34 08.1–.33 8.18S–.03 123.67E–.03 33 4.3b,3.1s
DJA X 05 10 34 08.4–.30 8S–3.0 124E–4.0 10 5.3b,4.7
ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.
ISC X 07 22 21 08.3–1.2 8.41S–.05 122.12E–.05 27–9 19 0-70
IDC X 07 22 21 04.8–1.5 8.59S 121.43E 0 3.8,3.7 **¶601997426**
ISCJB X 07 22 21 06.6–1.2 8.37S–.08 122.16E–.06 23–9 3.7b,2.8s
DJA X 07 22 21 08.0–.40 8S–4.0 122E–3.0 10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA X 09 10 28 11.7–.40 8S–4.0 122E–2.0 10 3.7,3.7
¶601997650
ISC X 10 22 37 04.1–.74 8.30S–.04 119.22E–.04 10 23 2-64
ISCJB X 10 22 37 04.0–.50 8.25S–.06 119.14E–.04 10 3.6b,3.0s **¶601997809**
IDC X 10 22 37 03.8–1.8 8.30S 119.17E 0 3.8,3.8L
DJA X 10 22 37 05.9–.60 8S–4.0 119E–2.0 11–5 4.8b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC X 13 20 21 03.9–2.1 8.60S 123.61E 200–22 3.3,2.9
¶601998150
IDC Error ellipse: s-maj=84.5km s-min=21.8km az=60.0.
ISC X 16 00 06 22.2–.68 8.46S–.07 119.79E–.06 172 4.2b 21 2-69
IDC X 16 00 06 23.6–2.5 8.11S 120.02E 179–25 4.2,3.8 **¶601998389**
DJA X 16 00 06 24.2–.60 8S–9.0 120E–4.0 167–5 4.8b,4.1b
ISC Event type ke.
ISC X 18 04 11 27.8–.55 8.11S–.05 123.81E–.07 35 4.5b 47 2-153
IDC X 18 04 11 22.6–.78 7.93S 123.93E 0 4.3,4.1 **¶601998748**
ISCJB X 18 04 11 25.4–.37 8.08S–.04 123.93E–.05 33 4.4b,4.1
DJA X 18 04 11 25.5–.30 8S–4.0 124E–4.0 10 4.8b,4.7
NEIC X 18 04 11 27.9–3.2 8.12S 124.12E 23–25 4.6b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=15.5km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=143.3.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.5km az=49.0.
ISC X 18 04 14 31.7–.24 8.08S–.03 123.76E–.04 35 5.0b,4.1s 405 2-162
IDC X 18 04 14 26.1–.40 8.02S 123.59E 0 4.8,4.8 **¶601838157**
ISCJB X 18 04 14 29.6–.16 8.03S–.02 123.77E–.02 33 4.9b,4.0s
BJI X 18 04 14 30.7 8.10S 123.60E 33 5.3b,4.9b
GCMT X 18 04 14 30.4–.30 8.03S–.02 123.72E–.05 17–1 4.9W,4.9b
MOS X 18 04 14 30.7–1.1 7.92S 123.58E 38 5.3b,4.9b
DJA X 18 04 14 31.0–.90 8S–2.0 124E–2.0 22–7 5.5b,5.3b
NEIC X 18 04 14 32.4–.53 8.06S 123.67E 43–5 5.1b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=155.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s57,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.24 $M_{\theta\theta}$-2.31±.14; $M_{\phi\phi}$-0.15±.14; $M_{r\theta}$-0.92±.31; $M_{\theta\phi}$-0.22±.08; $M_{\phi r}$-0.69±.46; Best double couple: NP1:ϕ_s252.00000°,δ57.00000°,λ77.00000°. NP2:ϕ_s95.00000°,δ35.00000°,λ109.00000°. Principal axes: T 2.7690,Plg74.0000° ,Azm128.0000°; N -0.2380,Plg10.0000°,Azm259.0000°; P -2.5320,Plg11.0000° ,Azm351.0000° M_o2.65100×10^{16}
MOS Error ellipse: s-maj=11.0km s-min=6.9km az=119.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=55.0. Felt [III] on Pulau Kawula.
ISC X 18 20 32 24.6–1.2 8.8S–.10 119.49E–.05 150 14 1-72
ISCJB X 18 20 32 23.2–.81 8.8S–.10 119.50E–.05 150 3.5b **¶601998842**
DJA X 18 20 32 25.0–1.0 9S–28 120E–3.0 127–10 3.5,3.5
IDC X 18 20 32 28.0–6.6 8.97S 119.67E 155–47 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=6.2km az=9.8.
IDC Error ellipse: s-maj=57.3km s-min=52.2km az=105.0.
ISC X 25 06 10 22.8–1.1 8.14S–.04 123.50E–.06 40–14 4.2b,3.5s 32 1-74
IDC X 25 06 10 18.4–.83 7.92S 124.29E 0 4.2,4.1b **¶601852883**
NEIC X 25 06 10 20.0–.66 7.97S 124.24E 10 4.2b,4.1b
ISCJB X 25 06 10 22.3–.86 8.13S–.04 123.54E–.06 50–11 4.1b,3.4s
DJA X 25 06 10 23.1–.90 8S–2.0 123E–3.0 18–7 4.8b,4.6b
ISC Event type fe.
NEIC Event type fe. Felt [II] on Pulau Kawula, Indonesia.
ISCJB Event type fe.
ISC X 27 16 13 08.0–.97 8.32S–.05 119.06E–.05 10 13 1-64
ISCJB X 27 16 13 06.8–.63 8.32S–.06 119.12E–.05 10 3.4b **¶601999841**
IDC X 27 16 13 06.9–2.0 8.22S 119.21E 0 3.5,3.3
DJA X 27 16 13 08.2–.30 8S–4.0 119E–2.0 10 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC X 27 16 23 52.1–.60 8.31S–.05 119.07E–.04 10 3.8b 29 1-145
ISCJB X 27 16 23 50.9–.44 8.34S–.06 119.18E–.05 10 3.8b **¶601999843**
DJA X 27 16 23 52.1–.20 8S–3.0 119E–2.0 10 5.0b,4.4
IDC X 27 16 23 58.9–4.0 8.71S 118.98E 64–37 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=24.1.
IDC Error ellipse: s-maj=50.4km s-min=17.5km az=59.0.
IDC X 27 16 25 05.9–1.9 8.01S 119.44E 0 4.0,3.8
¶601999844
IDC Error ellipse: s-maj=181.7km s-min=24.0km az=54.0.
ISC X 29 06 13 30.9–1.4 8.20S–.04 123.59E–.04 28–11 4.3b 62 1-127
IDC X 29 06 13 28.0–.72 7.93S 123.91E 0 4.3L,4.2 **¶602000220**
DJA X 29 06 13 28.8–.30 8S–3.0 124E–3.0 10 4.9b,4.9b
NEIC X 29 06 13 28.7–.37 8.28S 123.57E 10 5.0b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=35.5km s-min=14.6km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=52.0. Felt [III] on Pulau Kawula.
ISC X 29 06 28 37.2–.29 8.20S–.03 123.52E–.04 39–2 5.2b,5.1s 461 1-174
BJI X 29 06 28 30.7 8.20S 123.50E 6 5.3b,5.1b **¶601857858**
ISCJB X 29 06 28 31.4–.72 8.17S–.02 123.56E–.02 11–4 5.1s,5.1b
NEIC X 29 06 28 33.1–.14 8.19S 123.47E 10 5.2b,5.1s
MOS X 29 06 28 34.2–1.1 8.11S 123.48E 28 5.3b,4.9s
GCMT X 29 06 28 35.1–.10 8.17S–.01 123.51E–.01 14–0 5.5W,4.9s
DJA X 29 06 28 35.0–.10 8S–1.0 124E–1.0 10 5.8b,5.6
KLM X 29 06 28 36.0 8.47S 123.59E 52 5.6b,5.6
IDC X 29 06 28 38.0–1.9 8.12S 123.44E 44–18 5.0,4.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.9km az=35.3.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=59.0. Felt [V] on Pulau Kawula, [IV] at Adonara and [III] at Alor.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c174; s129,c252;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}0.22±.03 $M_{\theta\theta}$0.94±.02; $M_{\phi\phi}$-1.16±.03; $M_{r\theta}$-0.09±.05; $M_{\theta\phi}$-1.67±.03; $M_{\phi r}$-1.15±.10; Best double couple: NP1:ϕ_s344.00000°,δ87.00000°,λ-28.00000°. NP2:ϕ_s76.00000°,δ62.00000°,λ-177.00000°. Principal axes: T 2.0140,Plg17.0000° ,Azm34.0000°; N 0.4780,Plg62.0000°,Azm159.0000°; P -2.4960,Plg21.0000°,Azm296.0000° M_o2.25500×10^{17}
IDC Error ellipse: s-maj=13.3km s-min=9.2km az=75.0.
ISC X 29 06 34 50.6–.41 8.25S–.05 123.55E–.05 35 4.5b 97 1-153
NEIC X 29 06 34 47.5–.32 8.04S 123.56E 10 5.0b **¶602000224**
ISCJB X 29 06 34 48.7–.26 8.13S–.03 123.58E–.03 33 4.5b
DJA X 29 06 34 49.4–.20 8S–2.0 123E–2.0 10 6.4b,6.1
IDC X 29 06 34 53.0–2.4 8.08S 123.64E 51–23 4.5L,4.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=6.1km az=61.0. Felt [IV] at Adonara and on Pulau Kawula and [III] at Alor.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=161.5.
IDC Error ellipse: s-maj=22.4km s-min=13.0km az=71.0.
ISC X 29 07 50 49.7–.59 8.19S–.05 123.57E–.06 35 4.0b,3.6s 48 1-74
NEIC X 29 07 50 46.8–.47 8.29S 123.55E 10 4.0b,3.6s **¶602000239**
IDC X 29 07 50 46.4–.84 8.05S 123.60E 0 4.3L,4.1
ISCJB X 29 07 50 47.2–.34 8.21S–.04 123.66E–.03 33 3.9b,3.5s
DJA X 29 07 50 49.2–1.3 8S–3.0 123E–3.0 19–17 4.8b,4.5b
ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.
DJA X 29 09 16 02.7–.50 8S–4.0 124E–4.0 25 3.7,3.7
¶602000256
ISC X 29 11 20 13.1–1.1 8.26S–.07 123.68E–.08 35 17 1-66
ISCJB X 29 11 20 09.8–.96 8.18S–.08 123.72E–.06 33 3.5b,2.8s **¶602000272**
IDC X 29 11 20 10.7–1.9 8.09S 124.24E 0 3.8,3.7
DJA X 29 11 20 12.8–1.4 8S–5.0 123E–4.0 21–17 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 11 39 03.6–1.1 8.09S–.07 123.65E–.08 35 16 1-66
IDC X 29 11 38 59.6–1.9 7.87S 124.09E 0 4.0,3.8 **¶602000275**
ISCJB X 29 11 39 01.4–.87 8.08S–.08 123.70E–.06 33 3.5b,3.8
DJA X 29 11 39 03.6–1.5 8S–4.0 123E–4.0 15–18 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 23 40 20.8–.35 8.24S–.04 123.59E–.05 35 4.7b,4.0s 119 1-153
IDC X 29 23 40 15.9–.56 8.06S 123.61E 0 4.6,4.5 **¶601859252**
BJI X 29 23 40 16.0 8.20S 123.50E 5 4.9b,4.7b
NEIC X 29 23 40 18.4–2.5 8.21S 123.42E 17–16 4.7b,4.7b
ISCJB X 29 23 40 18.5–.21 8.17S–.02 123.56E–.03 33 4.6b,4.0s
GCMT X 29 23 40 19.4–.30 8.16S–.02 123.58E–.03 17–1 4.8W,4.0s
DJA X 29 23 40 19.1–.70 8S–2.0 124E–1.0 14–6 5.2,5.2b
ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s65,c97;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.12 $M_{\theta\theta}$0.98±.07; $M_{\phi\phi}$-1.52±.11; $M_{r\theta}$-0.24±.24; $M_{\theta\phi}$-1.57±.08; $M_{\phi r}$-1.37±.31; Best double couple: NP1:ϕ_s164.00000°,δ90.00000°,λ32.00000°. NP2:ϕ_s74.00000°,δ58.00000°,λ180.00000°. Principal axes: T 1.8890,Plg22.0000° ,Azm33.0000°; N 0.9270,Plg58.0000°,Azm164.0000°; P -2.8160,Plg22.0000°,Azm294.0000° M_o2.35300×10^{16}
ISC X 29 23 51 44.1–.40 8.30S–.04 123.58E–.05 35 4.6b,4.2s 90 1-146
BJI X 29 23 51 36.1 8.65S 123.64E 10 5.1b,4.7b **¶601859253**
IDC X 29 23 51 38.8–.86 8.09S 123.69E 0 4.5L,4.4
NEIC X 29 23 51 41.3–3.1 8.22S 123.46E 12–20 4.7b,4.4
ISCJB X 29 23 51 42.3–.24 8.17S–.03 123.55E–.03 33 4.5b,4.1s
DJA X 29 23 51 43.7–.70 8S–2.0 124E–2.0 30–9 5.4b,4.9
ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
ISCJB Event type fe.
IDC X 29 23 56 18.2–1.5 8.23S 123.63E 0 4.2,4.1
¶602000383
IDC Error ellipse: s-maj=126.0km s-min=24.2km az=61.0.
ISC X 29 23 57 36.2–.58 8.16S–.06 123.46E–.07 10 4.5b 45 1-146
ISCJB X 29 23 57 32.6–.31 8.27S–.04 123.77E–.05 10 4.3b **¶601861583**
IDC X 29 23 57 33.0–.72 8.16S 123.66E 0 4.4,4.3
NEIC X 29 23 57 34.5–.42 8.17S 123.69E 10 4.6b,4.3
DJA X 29 23 57 39.6–.20 8S–2.0 123E–2.0 10 5.4b,4.8
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] on Pulau Kawula.
DJA X 30 00 04 03.5–1.0 8S–5.0 124E–3.0 13–9 3.8,3.8
¶602000384
ISC X 30 03 42 34.9–1.1 8.21S–.06 123.48E–.08 35 16 1-66
ISCJB X 30 03 42 30.7–.88 8.16S–.07 123.66E–.06 33 3.7b **¶602000417**
IDC X 30 03 42 33.6–1.6 8.20S 124.39E 0 3.8,3.7
DJA X 30 03 42 34.9–1.2 8S–3.0 123E–3.0 24–16 4.8b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 01 16 25 21.6–.69 8.18S–.05 123.62E–.06 35 41 1-66
IDC XI 01 16 25 17.6–1.7 7.96S 124.13E 0 4.0,3.9 **¶601868884**
ISCJB XI 01 16 25 19.9–.39 8.11S–.04 123.68E–.03 33 4.0,3.9
NEIC XI 01 16 25 19.8–.66 8.18S 123.62E 10 4.7b,3.9
DJA XI 01 16 25 21.8–1.4 8S–3.0 123E–4.0 11–12 4.4b,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA XI 04 01 20 46.4–.30 8S–3.0 124E–2.0 10 4.7b,3.9
¶606792884
ISC XI 06 07 16 17.8–1.0 8.20S–.05 123.60E–.07 71–14 3.7b 26 1-68
IDC XI 06 07 16 11.4–1.1 7.80S 124.37E 0 3.8,3.8L **¶602388906**
DJA XI 06 07 16 16.0–.20 8S–2.0 124E–2.0 10 4.5b,4.2
ISC Event type ke.
ISC XI 10 09 06 53.7–.25 8.99S–.04 120.65E–.03 26 4.9b,4.1s 367 1-153
BJI XI 10 09 06 50.4 8.90S 120.60E 10 5.0b,4.9b **¶601883726**
NEIC XI 10 09 06 51.3–.18 8.89S 120.68E 10 5.0b,4.9b
MOS XI 10 09 06 51.9–1.4 8.79S 120.84E 25 5.1b,4.9b
ISCJB XI 10 09 06 52.1–.16 8.95S–.02 120.69E–.02 26 4.8b,4.1s
DJA XI 10 09 06 55.3–1.0 9S–2.0 121E–1.0 11–8 5.5b,5.4
KLM XI 10 09 06 56.0 9.24S 120.69E 53 5.2b,5.4
GCMT XI 10 09 06 57.3–.30 9.06S–.02 120.71E–.03 25–1 5.0W,5.4
IDC XI 10 09 06 59.1–1.5 8.80S 120.76E 72–13 4.7,4.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=41.0. Felt [III] at Ruteng. Also felt [III] at Waingapu, Sumba.
MOS Error ellipse: s-maj=11.2km s-min=6.3km az=119.5.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=30.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s77,c113;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.54±.20 $M_{\theta\theta}$-1.42±.12; $M_{\phi\phi}$-0.11±.15; $M_{r\theta}$1.28±.27; $M_{\theta\phi}$2.53±.08; $M_{\phi r}$1.31±.32; Best double couple: NP1:ϕ_s91.00000°,δ64.00000°,λ35.00000°. NP2:ϕ_s344.00000°,δ59.00000°,λ149.00000°. Principal axes: T 3.5200,Plg43.0000° ,Azm309.0000°; N -0.1270,Plg47.0000°,Azm124.0000°; P -3.3920,Plg3.0000° ,Azm217.0000° $M_0$3.45600×10^{16}

IDC Error ellipse: s-maj=13.5km s-min=9.3km az=71.0.
ISC XI 10 16 43 29.8–1.3 8.9S–.10 124.0E–.10 74 10 1-67
IDC XI 10 16 43 19.9–2.4 9.64S 122.93E 0 3.6b,3.4 ¶602389165
DJA XI 10 16 43 33.5–1.5 9S–5.0 124E–8.0 32–29 3.2,3.2
ISC Event type ke.
ISC XI 12 13 43 12.4–1.3 8.5S–.10 123.8E–.20 200 12 1-66
ISCJB XI 12 13 43 11.2–1.1 8.4S–.10 123.8E–.10 200 3.2b ¶602389290
DJA XI 12 13 43 12.6–.90 8S–6.0 124E–5.0 10 4.2b,3.7
IDC XI 12 13 43 12.9–1.7 8.58S 123.34E 209–17 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=8.7km az=44.8.
IDC Error ellipse: s-maj=83.9km s-min=20.1km az=60.0.
DJA XI 13 07 53 08.3–2.8 8S–5.0 124E–3.0 34–36 4.1b,3.8
¶606792997
IDC XI 19 02 44 17.7–3.7 8.70S 119.75E 174–48 4.0,3.6
¶602389637
IDC Error ellipse: s-maj=173.3km s-min=29.4km az=24.0.
ISC XI 26 17 39 48.5–1.1 8.31S–.07 119.57E–.06 170 19 1-73
ISCJB XI 26 17 39 48.0–.72 8.27S–.08 119.57E–.06 170 3.6b ¶602389998
DJA XI 26 17 39 49.2–.60 8S–5.0 120E–3.0 158–6 3.4,3.4
IDC XI 26 17 39 52.4–2.4 8.39S 119.78E 191–22 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.2km az=25.2.
IDC Error ellipse: s-maj=75.2km s-min=18.8km az=29.0.
ISC XI 28 08 15 23.2–1.2 8.3S–.10 119.61E–.06 170 13 1-64
ISCJB XI 28 08 15 24.0–1.2 8.3S–.10 119.61E–.05 170 3.3b ¶602390099
DJA XI 28 08 15 24.9–.60 8S–5.0 120E–3.0 160–6 3.2,3.2
IDC XI 28 08 15 26.6–2.7 8.04S 119.98E 209–21 3.2,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=7.0km az=8.3.
IDC Error ellipse: s-maj=84.8km s-min=15.3km az=47.0.
IDC XI 29 11 51 27.9–3.0 8.33S 123.87E 184–29 4.0,3.6
¶602390161
IDC Error ellipse: s-maj=86.3km s-min=15.2km az=60.0.
IDC XI 29 18 49 44.4–2.0 8.25S 119.79E 202–16 3.4,2.9
¶602390183
IDC Error ellipse: s-maj=47.9km s-min=11.6km az=49.0.
ISC XII 06 04 09 05.5–.36 8.39S–.04 120.49E–.04 35 4.6b 110 1-154
IDC XII 06 04 09 00.4–.59 8.13S 120.49E 0 4.5,4.4 ¶601996109
ISCJB XII 06 04 09 04.6–.23 8.42S–.03 120.44E–.03 33 4.7b,2.9s
DJA XII 06 04 09 08.4–.60 8S–2.0 120E–2.0 24–6 5.4b,4.9
NEIC XII 06 04 09 08.5–.72 8.35S 120.43E 63–8 4.5b,4.9
ISC Event type fe.
IDC Error ellipse: s-maj=25.0km s-min=11.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=41.2.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.9km az=54.0. Felt [III] at Ruteng.
ISC XII 15 01 03 38.9–.32 8.80S–.05 120.38E–.05 150 4.5b 123 1-156
ISCJB XII 15 01 03 37.7–.21 8.75S–.03 120.32E–.03 150 4.4b ¶602043632
BJI XII 15 01 03 37.5 8.61S 120.47E 129 4.8b,4.7b
IDC XII 15 01 03 38.3–1.9 8.64S 120.31E 134–18 4.5,4.2
NEIC XII 15 01 03 38.0–.46 8.73S 120.29E 138–4 4.5b,4.2
DJA XII 15 01 03 39.6–.20 9S–3.0 120E–2.0 137–3 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 18 15 17 43.3–.80 8.45S–.06 121.30E–.06 200 3.7b 24 0-69
IDC XII 18 15 17 41.3–3.3 8.20S 121.16E 166–30 4.1,3.7 ¶602391610
ISCJB XII 18 15 17 42.3–.49 8.42S–.05 121.25E–.05 200 3.7b,3.7
DJA XII 18 15 17 44.4–.50 8S–4.0 121E–2.0 172–6 4.7b,4.2
ISC Event type ke.
ISCJB Event type ke.
DJA XII 18 19 19 39.6–.70 8S–7.0 124E–3.0 152–8 4.8b,4.0
¶606793489
ISC XII 23 13 54 12.8–1.2 8.1S–.10 123.39E–.10 250 19 1-66
DJA XII 23 13 54 10.4–1.2 8S–14 124E–8.0 233–16 3.9b,3.7 ¶602391926
ISCJB XII 23 13 54 12.0–.94 8.07S–.09 123.38E–.07 250 3.3b,3.7
IDC XII 23 13 54 12.5–2.0 8.14S 122.98E 247–21 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.1km az=32.9.
IDC Error ellipse: s-maj=114.5km s-min=13.7km az=58.0.
ISC XII 23 18 11 06.8–1.2 8.2S–.10 120.04E–.06 201 15 1-64
ISCJB XII 23 18 11 05.7–.88 8.13S–.09 120.02E–.06 201 2.8b ¶602391934
DJA XII 23 18 11 08.2–.90 8S–6.0 120E–3.0 174–7 2.9,2.9
IDC XII 23 18 11 09.2–2.2 7.81S 120.50E 212–17 3.2,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.2km az=20.1.
IDC Error ellipse: s-maj=88.9km s-min=13.7km az=49.0.
DJA XII 24 18 08 11.0–.30 9S–2.0 120E–2.0 10 5.4b,5.1b
¶606793574
IDC XII 29 06 57 25.6–1.8 8.03S 123.69E 0 3.8,3.6
¶602380828
IDC Error ellipse: s-maj=71.3km s-min=22.0km az=74.0.

(287) Sumba region.

ISC VII 21 23 18 37.7–1.0 9.20S–.05 119.53E–.04 48–11 23 0-65
IDC VII 21 23 18 31.0–2.0 8.95S 119.59E 0 4.0,3.9L ¶601664934
DJA VII 21 23 18 35.9–.40 9S–2.0 120E–2.0 12–3 5.5b,4.9
ISCJB VII 21 23 18 36.8–.44 9.17S–.05 119.52E–.03 58–6 3.7b,4.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 08 58 17.0–.27 9.45S–.04 120.73E–.04 35 4.7b,3.3s 301 0-153
BJI VIII 18 08 58 10.6 10.03S 121.28E 40 4.9b,4.8b ¶601565326
ISCJB VIII 18 08 58 14.8–.20 9.34S–.04 120.85E–.04 33 4.6b,3.4s
MOS VIII 18 08 58 15.0–1.3 9.20S 120.73E 30 4.9b,3.4s
NEIC VIII 18 08 58 16.9–1.3 9.38S 120.71E 33–8 4.8b,3.4s
IDC VIII 18 08 58 16.6–2.7 9.32S 120.84E 33–19 4.5,4.5L
DJA VIII 18 08 58 18.6–.60 10S–6.0 121E–2.0 23–7 5.3b,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA IX 12 02 10 23.9–.70 10S–5.0 120E–3.0 41–11 3.2,3.2
¶602029661
IDC IX 22 03 44 33.3–7.3 9.93S 120.91E 0 4.0b,3.8
¶601863978
IDC Error ellipse: s-maj=97.5km s-min=68.5km az=149.0.
ISC IX 29 19 43 32.7–.79 9.69S–.07 119.95E–.03 68–8 3.7b 32 0-115
ISCJB IX 29 19 43 32.6–.41 9.64S–.06 119.94E–.03 81–5 3.6b ¶601857499
DJA IX 29 19 43 34.2–.30 10S–4.0 120E–1.0 29–3 5.2b,4.6
IDC IX 29 19 43 40.0–3.9 9.46S 120.34E 143–32 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=9.0.
IDC Error ellipse: s-maj=61.3km s-min=11.3km az=51.0.
DJA X 01 09 38 48.3–.90 10S–5.0 119E–4.0 17–5 3.6,3.6
¶601996376
DJA X 02 07 19 02.2–.60 10S–5.0 119E–2.0 27–5 3.7,3.7
¶601996777
DJA X 02 09 35 40.8–.80 10S–8.0 119E–3.0 23–4 3.5,3.5
¶601996788
ISC X 14 10 48 52.2–.97 9.78S–.08 120.17E–.05 35 17 2-30
ISCJB X 14 10 48 51.8–.61 9.97S–.07 120.08E–.05 35 4.0b ¶601998208
DJA X 14 10 48 55.4–.40 9S–8.0 120E–2.0 63–13 3.5,3.5
IDC X 14 10 49 01.9–4.2 10.27S 120.40E 86–34 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.8km az=25.1.
IDC Error ellipse: s-maj=31.9km s-min=31.4km az=112.0.
ISC XI 03 21 39 50.7–.64 9.81S–.07 119.12E–.05 46 4.0b 37 0-119
IDC XI 03 21 39 44.5–1.2 9.67S 118.95E 0 3.9b,3.9 ¶602031607
ISCJB XI 03 21 39 48.6–.48 9.81S–.04 119.03E–.04 46 4.1b,3.6s
NEIC XI 03 21 39 48.0–3.7 9.74S 118.93E 25–29 4.0b,3.6s
DJA XI 03 21 39 53.9–.40 10S–3.0 119E–2.0 37–4 4.4b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 12 04 57 53.0–.82 9.55S–.07 119.43E–.06 80–7 3.9b 30 0-119
IDC XI 12 04 57 51.2–6.5 9.42S 119.16E 62–61 3.9L,3.8 ¶602389274
ISCJB XI 12 04 57 53.0–.43 9.48S–.06 119.41E–.04 90–6 3.8b,3.8
DJA XI 12 04 57 55.1–.30 9S–3.0 119E–2.0 45–6 5.2b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 19 07 38 12.0–4.8 9.24S 120.63E 140–79 3.7,3.7b
¶602389648
IDC Error ellipse: s-maj=185.6km s-min=32.1km az=34.0.
ISC XI 20 03 54 58.9–.91 9.60S–.06 120.20E–.04 79–7 24 0-66
IDC XI 20 03 54 49.1–2.0 9.93S 119.46E 0 3.5,3.5L ¶602389717
ISCJB XI 20 03 54 58.5–.46 9.63S–.06 120.19E–.03 85–5 3.3b,3.5L
DJA XI 20 03 55 00.9–.30 10S–3.0 120E–2.0 48–6 4.9b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XII 11 19 17 35.3–.45 10.90S–.05 119.81E–.05 35 4.4b 72 1-116
IDC XII 11 19 17 31.2–.71 10.67S 119.93E 0 4.1,4.0 ¶602036404
ISCJB XII 11 19 17 33.0–.30 10.93S–.03 119.83E–.03 33 4.2b,3.5s
NEIC XII 11 19 17 35.5–.34 10.88S 119.80E 35 4.4b,3.5s
DJA XII 11 19 17 36.7–.70 11S–5.0 120E–2.0 21–6 4.8b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 25 13 38 10.8–8.6 9.58S 119.74E 75–85 3.4,3.4L
¶602380590
IDC Error ellipse: s-maj=73.1km s-min=34.9km az=64.0.

(288) Savu Sea.

DJA VII 05 10 18 35.1–.50 10S–3.0 122E–2.0 27–7 3.5,3.5
¶602027458
IDC VII 24 16 01 25.9–2.5 9.94S 121.88E 0 3.8,3.6
¶601666381
IDC Error ellipse: s-maj=175.2km s-min=29.5km az=55.0.
ISC IX 30 00 15 22.8–.99 9.44S–.08 121.93E–.06 100 14 1-71
IDC IX 30 00 15 15.1–2.0 8.45S 123.00E 0 3.8b,3.5 ¶601857509
ISCJB IX 30 00 15 21.3–.63 9.53S–.08 121.96E–.06 100 3.6b,3.5
DJA IX 30 00 15 23.8–1.4 9S–8.0 122E–3.0 23–13 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
DJA X 10 14 03 55.5–.40 9S–5.0 122E–2.0 71–6 3.7,3.7
¶601997766
ISC X 20 11 04 01.7–1.1 10.1S–.20 122.45E–.09 10 5 1-67
IDC X 20 11 04 01.9–2.3 9.95S 122.64E 0 3.7b,3.4 ¶601999036
DJA X 20 11 04 13.1–1.0 9S–9.0 123E–8.0 12–15 4.7b,4.3b
ISC Event type ke.
DJA X 30 15 12 11.0–.60 10S–5.0 122E–3.0 23–9 4.9b,4.2
¶602000495
ISC XI 09 18 07 46.3–.60 9.63S–.05 122.19E–.06 44 4.6b 41 1-71
IDC XI 09 18 07 39.5–1.0 9.29S 122.04E 0 3.9,3.9L ¶602054285
ISCJB XI 09 18 07 45.1–.42 9.59S–.05 122.23E–.06 44 4.3b,3.9L
NEIC XI 09 18 07 47.7–1.0 9.47S 122.13E 72–12 4.5b,3.9L
DJA XI 09 18 07 49.5–.80 9S–6.0 122E–3.0 29–9 3.6,3.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(289) Timor region.

IDC VII 02 06 39 52.3–5.4 9.04S 124.55E 83–91 3.9b,3.5
¶601663393
IDC Error ellipse: s-maj=80.5km s-min=32.6km az=46.0.
ISC VII 08 00 45 03.4–1.3 8.76S–.09 124.3E–.10 10 10 1-67
IDC VII 08 00 45 01.2–1.7 8.67S 124.55E 0 4.0,4.0L ¶601664266
DJA VII 08 00 45 12.7–2.6 9S–9.0 124E–15 58–61 3.4,3.4
ISC Event type ke.
IDC VII 09 17 07 45.4–2.0 10.75S 123.53E 0 3.4b,3.2
¶601664342
IDC Error ellipse: s-maj=44.0km s-min=13.2km az=100.0.
IDC VII 09 17 14 20.3–1.9 10.78S 123.57E 0 3.6b,3.3
¶601664343
IDC Error ellipse: s-maj=46.3km s-min=13.0km az=95.0.
ISC VII 09 21 45 05.4–1.3 9.0S–.10 125.76E–.08 35 16 2-68
IDC VII 09 21 45 02.3–1.9 8.89S 125.69E 0 3.7,3.5 ¶601664353
ISCJB VII 09 21 45 03.7–1.0 8.91S–.09 125.78E–.06 33 3.6b,3.5
DJA VII 09 21 45 08.9–1.0 9S–6.0 125E–7.0 10 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VII 13 14 25 14.3–6.0 8.29S 126.97E 258–68 3.6,3.0
¶601664527
IDC Error ellipse: s-maj=90.3km s-min=22.2km az=45.0.
ISC VII 18 10 55 54.5–.38 9.33S–.05 123.34E–.05 100 4.5b 96 1-152
IDC VII 18 10 55 42.4–.53 9.06S 123.27E 0 5.0L,4.5 ¶601404431
ISCJB VII 18 10 55 52.3–.25 9.29S–.03 123.36E–.03 100 4.4b,4.5
NEIC VII 18 10 55 54.2–.66 9.29S 123.29E 104–6 4.4b,4.5
DJA VII 18 10 55 55.6–.30 9S–3.0 123E–2.0 101–5 5.2b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VII 23 11 57 21.7–2.4 10.57S 123.61E 0 3.7b,3.6
¶601666307
IDC Error ellipse: s-maj=231.3km s-min=33.1km az=53.0.
IDC VII 23 13 46 45.8–1.8 8.02S 124.22E 0 3.6,3.4
¶601666309
IDC Error ellipse: s-maj=142.5km s-min=27.9km az=57.0.
IDC VIII 06 21 07 09.5–2.1 8.02S 125.88E 0 3.6,3.5L
¶601765573
IDC Error ellipse: s-maj=50.1km s-min=28.9km az=75.0.
IDC VIII 08 10 27 33.8–1.8 8.86S 127.20E 0 3.9,3.8L
¶601765648
IDC Error ellipse: s-maj=36.0km s-min=27.1km az=73.0.
ISC VIII 15 08 47 45.3–1.3 9.0S–.10 124.4E–.10 100 13 1-67
ISCJB VIII 15 08 47 43.9–1.1 8.89S–.09 124.44E–.09 100 3.2b ¶601765879
IDC VIII 15 08 47 44.2–5.9 8.78S 124.47E 75–69 4.0L,3.8
DJA VIII 15 08 47 45.2–2.8 9S–12 124E–16 129–32 4.3b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 18 15 07 43.7–1.8 10.04S 124.06E 0 3.4b,3.3
¶601766067
IDC Error ellipse: s-maj=29.3km s-min=11.8km az=162.0.
ISC VIII 19 02 34 31.6–.94 8.97S–.08 127.06E–.09 35 4.2b 31 3-126
IDC VIII 19 02 34 26.5–1.2 8.70S 127.11E 0 4.1,4.1 ¶601643016
ISCJB VIII 19 02 34 28.7–.46 8.92S–.05 127.13E–.06 33 4.1b,4.1
NEIC VIII 19 02 34 31.4–.33 8.83S 127.08E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=23.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=62.0.
ISC VIII 31 20 41 24.5–.71 9.36S–.06 124.34E–.05 95–9 4.9b 40 0-53
ISCJB VIII 31 20 41 24.0–.49 9.29S–.05 124.37E–.05 110–6 4.6b ¶601755801
NEIC VIII 31 20 41 24.4–.73 9.17S 124.22E 114–9 4.5b
IDC VIII 31 20 41 27.0–4.2 9.78S 124.75E 0 3.9,3.8
DJA VIII 31 20 41 28.0–.40 9S–3.0 124E–3.0 52–8 4.2b,3.9
ISC Event type se.

ISCJB Event type se.
NEIC Event type se.
ISC IX 01 21 01 21.7–1.1 9.35S–.09 126.19E–.09 35 10 3-68
IDC IX 01 21 01 17.8–1.4 9.14S 126.13E 0 3.9,3.9L **¶601862741**
ISCJB IX 01 21 01 20.2–.98 9.30S–.08 126.16E–.07 33 3.6b,3.9L
ISC Event type ke.
ISCJB Event type ke.
DJA IX 05 23 24 29.9–.50 9S–4.0 124E–3.0 10 4.2b,3.8
¶602029240
ISC IX 08 04 29 03.6–.38 9.36S–.05 126.00E–.05 35 4.5b,4.2s 100 2-144
IDC IX 08 04 28 58.7–.57 9.02S 125.88E 0 4.6,4.6L **¶601699568**
ISCJB IX 08 04 29 00.7–.26 9.27S–.03 126.12E–.03 33 4.4b,4.2s
NEIC IX 08 04 29 03.6–.72 9.36S 125.94E 49–8 4.4b,4.2s
DJA IX 08 04 29 04.8–1.2 9S–3.0 126E–2.0 22–10 5.0b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 09 00 16 09.6–1.9 9.41S 124.83E 0 3.5,3.4b
¶601863198
IDC Error ellipse: s-maj=223.6km s-min=32.4km az=56.0.
IDC IX 19 04 16 19.4–2.0 8.33S 126.31E 0 3.7,3.7b
¶601863805
IDC Error ellipse: s-maj=188.5km s-min=32.6km az=60.0.
ISC IX 19 10 45 37.8–.47 9.70S–.06 124.74E–.05 10 4.5b 52 1-151
IDC IX 19 10 45 34.9–.68 9.46S 124.82E 0 4.6L,4.4 **¶601725194**
ISCJB IX 19 10 45 35.7–.37 9.67S–.05 124.80E–.04 10 4.4b,3.5s
BJI IX 19 10 45 39.5 9.90S 124.60E 40 4.8b,4.7b
NEIC IX 19 10 45 40.1–.46 9.62S 124.73E 35 4.4b,4.7b
DJA IX 19 10 45 43.5–1.7 9S–9.0 124E–13 55–21 5.0b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 22 19 41 30.3–.58 9.88S–.05 124.93E–.05 35 4.0b 52 1-69
ISCJB IX 22 19 41 30.6–.33 9.71S–.04 124.80E–.03 33 4.0b **¶601737029**
NEIC IX 22 19 41 34.9–.60 9.82S 124.62E 65–8 4.3b
IDC IX 22 19 41 34.8–3.3 9.79S 124.73E 63–45 4.5L,4.1
DJA IX 22 19 41 35.6–.40 10S–3.0 125E–3.0 36–3 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 25 03 08 15.8–.43 9.54S–.04 124.91E–.04 37–1 4.7b 281 1-154
BJI IX 25 03 08 06.3 10.06S 125.24E 21 5.0b,4.9b **¶601738960**
IDC IX 25 03 08 10.7–.47 9.27S 124.84E 0 4.7L,4.6
ISCJB IX 25 03 08 12.9–.18 9.49S–.03 125.02E–.02 33 4.8b,4.6
MOS IX 25 03 08 14.6–1.3 9.24S 124.78E 33 4.9b,4.6
NEIC IX 25 03 08 16.7–.23 9.43S 124.73E 35 4.8b,4.6
DJA IX 25 03 08 16.0–.20 10S–2.0 125E–2.0 10 5.5b,5.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Kefamenanu.
ISC IX 27 10 28 41.0–.61 9.46S–.04 123.61E–.04 102–6 4.7b 154 1-132
ISCJB IX 27 10 28 40.1–.28 9.44S–.03 123.64E–.03 110–3 4.7b **¶601742639**
NEIC IX 27 10 28 40.9–.46 9.40S 123.62E 101–5 4.8b
BJI IX 27 10 28 40.0 9.40S 123.50E 98 5.4b,4.7b
IDC IX 27 10 28 41.4–.89 9.22S 123.56E 95–14 4.6,4.3
DJA IX 27 10 28 41.6–.20 9S–2.0 124E–2.0 93–4 5.2b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 01 00 22 01.6–2.0 8.76S 127.16E 0 3.7,3.7L
¶601996336
IDC Error ellipse: s-maj=48.8km s-min=32.5km az=61.0.
IDC X 07 18 28 55.8–4.9 9.36S 124.82E 142–55 3.1,2.7
¶601997401
IDC Error ellipse: s-maj=100.4km s-min=23.1km az=46.0.
IDC X 11 04 18 53.4–1.6 8.64S 127.06E 0 3.9,3.9b
¶601997839
IDC Error ellipse: s-maj=46.3km s-min=25.5km az=77.0.
IDC X 11 08 17 00.2–1.4 8.54S 124.47E 0 4.0b,3.8
¶601997863
IDC Error ellipse: s-maj=53.7km s-min=21.1km az=78.0.
IDC X 13 18 33 16.9–5.4 8.44S 127.45E 52–52 3.7b,3.6
¶601998146
IDC Error ellipse: s-maj=46.9km s-min=21.0km az=17.0.
ISC X 14 21 49 25.6–.75 9.29S–.07 124.29E–.09 100 4.1b 35 0-71
ISCJB X 14 21 49 25.1–.45 9.37S–.07 124.15E–.06 100 4.0b **¶601834414**
DJA X 14 21 49 26.2–.60 9S–8.0 124E–4.0 74–9 5.0b,4.9b
IDC X 14 21 49 28.2–1.9 9.38S 124.22E 115–23 4.4,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.3km az=41.4.
IDC Error ellipse: s-maj=49.1km s-min=20.1km az=46.0.
ISC X 15 20 43 48.5–.53 10.42S–.05 124.00E–.05 27 4.2b,3.4s 38 0-151
IDC X 15 20 43 45.2–.78 10.24S 124.11E 0 4.3,4.2 **¶601866941**
ISCJB X 15 20 43 46.5–.37 10.48S–.03 124.04E–.05 27 4.1b,3.4s
DJA X 15 20 43 48.4–.40 10S–3.0 124E–2.0 10 5.0b,4.7b
NEIC X 15 20 43 49.7–.62 10.37S 124.01E 35 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=11.8km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=151.2.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.3km az=55.0.
ISC X 16 22 26 47.6–.58 9.12S–.06 124.33E–.07 100 3.9b 43 1-75
ISCJB X 16 22 26 46.1–.42 9.12S–.05 124.31E–.04 100 3.9b **¶601837563**
DJA X 16 22 26 48.4–.70 9S–3.0 124E–5.0 14–10 5.1b,4.6b
IDC X 16 22 26 48.6–1.9 9.09S 124.45E 105–22 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=32.5.
IDC Error ellipse: s-maj=31.4km s-min=18.0km az=62.0.
ISC X 20 03 36 01.2–.91 10.27S–.05 124.18E–.06 36 18 1-68
IDC X 20 03 35 57.0–1.6 10.22S 124.34E 0 3.9b,3.6 **¶601999002**
ISCJB X 20 03 35 59.3–.51 10.29S–.04 124.24E–.06 36 3.9b,3.6
DJA X 20 03 36 02.3–.70 10S–6.0 124E–4.0 10 3.1,3.1
ISC Event type ke.
ISCJB Event type ke.
ISC X 23 05 38 28.1–.44 9.07S–.05 124.18E–.06 100 4.6b 77 1-124
ISCJB X 23 05 38 26.3–.26 8.98S–.04 124.23E–.04 100 4.6b **¶601843600**
NEIC X 23 05 38 27.7–.54 8.99S 124.19E 99–6 4.4b
IDC X 23 05 38 27.6–1.8 8.88S 124.22E 89–17 4.4,4.2
DJA X 23 05 38 29.7–1.7 9S–3.0 124E–6.0 23–19 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 29 06 43 27.1–1.7 8.17S 124.24E 0 4.0,3.9
¶602000229
IDC Error ellipse: s-maj=53.2km s-min=22.2km az=81.0.
ISC X 29 17 43 29.5–1.1 10.31S–.08 124.11E–.08 36 11 0-68
IDC X 29 17 43 25.4–1.8 10.17S 124.28E 0 3.6,3.6s **¶602000325**
ISCJB X 29 17 43 27.8–.71 10.36S–.07 124.15E–.08 36 3.5s,3.3b
DJA X 29 17 43 29.3–2.2 10S–21 124E–9.0 10 2.8,2.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 18 10 26.7–.81 10.29S–.06 124.21E–.06 36 3.7b 16 1-68
IDC X 29 18 10 22.3–1.3 10.31S 124.08E 0 3.6,3.6b **¶602000331**
ISCJB X 29 18 10 24.8–.53 10.31S–.05 124.28E–.06 36 3.6b,3.6b
DJA X 29 18 10 28.2–1.2 10S–11 124E–8.0 10 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
DJA X 30 01 35 27.9–.80 10S–12 124E–9.0 28–26 2.8,2.8
¶602000396
ISC XI 03 12 02 04.2–.91 9.72S–.06 124.33E–.06 29–6 3.9b 19 0-83
IDC XI 03 12 02 00.1–1.3 9.63S 124.38E 0 4.0,3.9 **¶602388764**
ISCJB XI 03 12 02 03.1–.65 9.81S–.08 124.32E–.07 39–5 3.9b,3.9
DJA XI 03 12 02 05.0–.30 10S–3.0 124E–2.0 10 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC XI 05 14 15 08.9–1.0 8.92S–.07 127.38E–.08 10 14 3-81
IDC XI 05 14 15 09.5–1.5 8.91S 127.17E 0 4.1,4.1L **¶602388872**
DJA XI 05 14 15 15.1–2.1 8S–7.0 126E–8.0 19–18 4.7b,4.2b
ISC Event type ke.
ISC XI 08 17 49 10.5–1.3 8.65S–.09 124.82E–.09 35 14 1-67
IDC XI 08 17 49 07.4–1.7 8.69S 124.65E 0 3.9,3.8L **¶602389044**
ISCJB XI 08 17 49 10.0–1.1 8.77S–.08 124.82E–.07 33 3.5b,3.8L
DJA XI 08 17 49 19.3–.90 9S–3.0 124E–5.0 15–11 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC XI 14 05 17 02.2–1.2 9.1S–.10 125.49E–.09 35 13 1-151
IDC XI 14 05 16 57.6–1.4 8.89S 125.54E 0 4.0,3.8 **¶602389377**
ISCJB XI 14 05 17 01.5–1.3 9.2S–.10 125.58E–.06 33 3.8b,3.8
DJA XI 14 05 17 03.3–1.7 9S–8.0 125E–16 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC XI 16 09 08 50.7–1.8 8.13S 125.48E 0 3.9,3.8
¶602389498
IDC Error ellipse: s-maj=51.2km s-min=25.9km az=77.0.
ISC XI 16 21 31 29.6–1.4 8.3S–.10 125.26E–.08 10 14 2-67
IDC XI 16 21 31 26.8–1.8 8.04S 125.30E 0 3.7,3.6b **¶602389528**
ISC Event type ke.
IDC Error ellipse: s-maj=42.5km s-min=24.4km az=85.0.
IDC XI 21 20 23 07.0–1.8 10.69S 123.76E 0 3.9b,3.6
¶602389804
IDC Error ellipse: s-maj=61.4km s-min=11.4km az=75.0.
IDC XI 22 17 02 50.5–1.8 9.74S 124.45E 0 3.5b,3.4
¶602389843
IDC Error ellipse: s-maj=32.4km s-min=22.3km az=140.0.
ISC XI 23 14 45 22.2–.74 10.30S–.07 124.38E–.07 35 3.6b 24 1-151
IDC XI 23 14 45 17.8–.93 9.92S 124.46E 0 3.9,3.8 **¶602389894**
ISCJB XI 23 14 45 19.7–.52 10.33S–.06 124.42E–.05 33 3.6b,3.1s
DJA XI 23 14 45 22.2–.40 10S–4.0 124E–3.0 10 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
DJA XI 28 23 12 53.4–2.3 11S–16 124E–12 10 4.3b,3.5
¶606793170
ISC XI 30 08 26 12.3–.43 8.64S–.05 127.86E–.05 35 4.4b,3.4s 67 4-148
IDC XI 30 08 26 07.1–.64 8.38S 127.75E 0 4.2,4.2b **¶601995409**
ISCJB XI 30 08 26 09.1–.31 8.65S–.03 127.87E–.04 33 4.3b,3.4s
NEIC XI 30 08 26 12.6–.39 8.69S 127.85E 35 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=15.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=156.2.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=63.0.
ISC XII 01 03 25 36.4–.94 10.59S–.06 124.73E–.08 35 20 1-69
IDC XII 01 03 25 33.0–1.8 10.47S 124.67E 0 4.1,3.9 **¶602390264**
ISCJB XII 01 03 25 34.8–.66 10.64S–.06 124.72E–.07 33 3.6s,3.6b
DJA XII 01 03 25 37.1–1.1 11S–3.0 125E–3.0 24–10 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC XII 01 14 12 51.9–7.6 9.03S 126.57E 0 4.0b,3.5
¶602390279
IDC Error ellipse: s-maj=94.0km s-min=81.6km az=164.0.
DJA XII 03 08 35 06.4–.80 9S–6.0 124E–6.0 43–21 4.4b,4.0
¶606793284
ISC XII 06 00 17 48.0–1.1 9.64S–.09 124.3E–.10 91–9 14 0-68
IDC XII 06 00 17 40.0–1.6 9.14S 124.42E 0 4.3,4.2L **¶602390530**
ISCJB XII 06 00 17 46.6–.95 9.6S–.10 124.3E–.10 98–7 3.6b,4.2L
DJA XII 06 00 17 50.8–.40 9S–5.0 124E–4.0 35–10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC XII 06 17 27 51.1–.68 10.26S–.07 124.80E–.08 35 3.9b 36 1-72
IDC XII 06 17 27 46.8–.99 9.92S 124.83E 0 4.2,4.2L **¶602330241**
ISCJB XII 06 17 27 50.1–.47 10.17S–.07 124.88E–.06 33 3.8b,4.2L
NEIC XII 06 17 27 51.9–1.1 10.07S 124.81E 38–14 4.1b,4.2L
DJA XII 06 17 27 52.1–2.0 10S–10 125E–7.0 21–11 4.8b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 11 03 00 27.4–.89 10.33S–.08 124.16E–.08 27 12 1-68
IDC XII 11 03 00 22.6–1.6 9.83S 124.28E 0 3.6,3.4 **¶602391057**
ISCJB XII 11 03 00 27.6–.75 10.48S–.07 124.10E–.08 27 3.4b,3.4
DJA XII 11 03 00 28.7–2.7 10S–28 124E–8.0 29–7 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC XII 11 20 19 41.5–1.4 8.1S–.10 124.2E–.10 150 15 2-66
ISCJB XII 11 20 19 40.5–1.1 7.94S–.09 124.14E–.08 150 3.0b **¶602391120**
IDC XII 11 20 19 42.3–5.3 8.08S 123.97E 157–59 3.3,3.0
DJA XII 11 20 19 43.3–1.2 8S–8.0 124E–5.0 163–13 2.7,2.7
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 12 45 12.9–1.0 10.22S–.10 124.75E–.09 35 14 1-68
IDC XII 16 12 45 10.0–1.8 9.84S 124.68E 0 3.9,3.8L **¶602391464**
ISCJB XII 16 12 45 13.1–.79 10.24S–.09 124.71E–.08 35 3.4b,3.8L
DJA XII 16 12 45 16.1–1.9 10S–9.0 125E–15 49–7 5.3b,5.3b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 22 14 57 43.2–1.3 8.75S–.10 127.78E–.10 35 10 4-72
IDC XII 22 14 57 38.1–1.5 8.49S 127.69E 0 3.7,3.7L **¶602391874**
ISCJB XII 22 14 57 40.1–1.1 8.69S–.08 127.84E–.08 33 3.4b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 24 17 46 23.1–1.4 8.1S–.10 124.4E–.10 150 14 2-66
ISCJB XII 24 17 46 21.2–1.1 7.97S–.09 124.34E–.09 150 3.2b **¶602392008**
IDC XII 24 17 46 23.4–5.3 8.05S 124.18E 149–59 3.4,3.1
DJA XII 24 17 46 26.0–1.6 8S–13 124E–11 160–21 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
IDC XII 24 21 03 53.1–1.8 9.04S 124.50E 0 3.5,3.4L
¶602392019
IDC Error ellipse: s-maj=43.5km s-min=26.6km az=86.0.
ISC XII 25 06 17 54.4–1.4 8.8S–.10 124.3E–.10 100 10 1-67
IDC XII 25 06 17 43.6–2.1 8.89S 123.82E 0 3.9,3.7 **¶602380572**
ISCJB XII 25 06 17 52.8–1.1 8.73S–.08 124.41E–.09 100 3.4b,3.7
DJA XII 25 06 17 56.5–1.7 9S–8.0 124E–12 99–18 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 25 12 32 22.8–5.6 8.20S 124.08E 90–57 4.1L,3.8
¶602380587
IDC Error ellipse: s-maj=68.2km s-min=27.2km az=53.0.
IDC XII 27 23 32 16.0–2.0 8.83S 127.10E 0 3.7,3.7L
¶602380742
IDC Error ellipse: s-maj=49.7km s-min=32.7km az=59.0.
IDC XII 29 19 39 06.4–5.2 8.04S 127.49E 183–54 3.6,3.1
¶602380850
IDC Error ellipse: s-maj=58.5km s-min=20.0km az=47.0.
ISC XII 31 11 47 59.4–.76 9.38S–.06 123.96E–.07 100 3.8b 22 0-71
ISCJB XII 31 11 47 58.9–.51 9.30S–.06 123.96E–.07 100 3.8b **¶602077270**
IDC XII 31 11 48 00.5–3.2 9.26S 124.03E 105–40 3.9,3.7
DJA XII 31 11 48 02.6–.50 9S–4.0 124E–3.0 45–18 4.4b,4.1
ISC Event type ke.
ISCJB Event type ke.

(290) Timor Sea.

IDC VII 06 15 30 19.1–16 8.72S 129.59E 250–205 3.6,3.2b
¶601663544
IDC Error ellipse: s-maj=127.5km s-min=97.5km az=87.0.

IDC VII 15 06 05 23.4–2.1 8.64S 128.78E 0 3.9,3.9L
¶601664606

IDC Error ellipse: s-maj=89.9km s-min=26.3km az=73.0.
ISC VII 15 14 54 39.2–.58 8.08S–.04 128.39E–.04 10 4.0b,3.7s 39 3-79
IDC VII 15 14 54 35.7–.98 7.67S 128.92E 0 4.2L,4.1 **¶601468490**
ISCJB VII 15 14 54 36.5–.38 7.99S–.03 128.53E–.06 10 3.9b,3.5s
NEIC VII 15 14 54 46.0–.94 8.03S 128.83E 98–11 4.2b,3.5s
DJA VII 15 14 54 47.4–.20 8S–2.0 129E–2.0 73–27 4.9b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 08 10 14 53.4–.82 9.08S–.08 127.17E–.07 35 4.1b 22 3-78
IDC VIII 08 10 14 48.9–.86 8.86S 127.10E 0 4.4L,4.3 **¶601765647**
ISCJB VIII 08 10 14 51.0–.60 9.05S–.06 127.19E–.05 33 4.0b,4.3
DJA VIII 08 10 14 53.0–1.9 9S–21 127E–9.0 10–22 5.2b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 15 21 05 07.1–2.1 9.71S 129.02E 0 4.3,4.3s
¶601765901

IDC Error ellipse: s-maj=80.5km s-min=29.0km az=74.0.
ISC VIII 19 02 39 53.9–1.4 9.0S–.10 127.10E–.10 35 10 4-73
IDC VIII 19 02 39 48.8–1.5 8.82S 127.10E 0 3.9,3.7 **¶601766129**
ISCJB VIII 19 02 39 51.3–1.1 9.10S–.07 127.15E–.07 33 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 30 19 00 07.3–.32 8.01S–.04 128.76E–.04 44 4.6b,3.5s 165 3-159
MOS VIII 30 19 00 05.0–1.3 7.83S 128.58E 33 4.8b,3.5s **¶601670400**
ISCJB VIII 30 19 00 05.8–.19 8.00S–.02 128.73E–.03 44 4.6b,3.9s
IDC VIII 30 19 00 07.5–1.7 7.77S 128.67E 45–15 5.3L,4.6
NEIC VIII 30 19 00 08.4–1.5 7.81S 128.65E 52–13 5.1b,4.6
DJA VIII 30 19 00 09.0–.20 8S–2.0 129E–2.0 40–5 5.3b,5.2
KLM VIII 30 19 00 12.0 8.06S 128.74E 74 5.0b,5.2
ISC Event type se.
MOS Error ellipse: s-maj=16.8km s-min=7.7km az=111.4.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.3km az=163.9.
IDC Error ellipse: s-maj=15.0km s-min=11.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=61.0.
IDC IX 19 11 54 16.1–2.6 8.37S 129.22E 0 3.4b,3.1
¶601863825

IDC Error ellipse: s-maj=277.3km s-min=31.7km az=66.0.
IDC IX 23 18 26 50.8–4.4 8.02S 129.54E 0 3.9b,3.6
¶601864050

IDC Error ellipse: s-maj=57.6km s-min=29.9km az=6.0.
IDC IX 29 13 09 24.9–2.0 9.08S 130.19E 0 3.8b,3.4
¶601857488

IDC Error ellipse: s-maj=64.2km s-min=28.5km az=78.0.
IDC X 12 09 03 31.9–5.4 8.28S 128.67E 46–52 4.3L,4.2
¶601997983

IDC Error ellipse: s-maj=51.8km s-min=23.0km az=22.0.
IDC X 12 11 50 00.1–1.9 8.13S 129.17E 0 3.4,3.3
¶601997996

IDC Error ellipse: s-maj=72.5km s-min=27.8km az=76.0.
ISC X 28 22 44 56.5–.76 9.01S–.06 127.49E–.07 35 3.9b 25 3-127
ISCJB X 28 22 44 55.1–.55 9.10S–.04 127.51E–.04 33 3.8b **¶602000163**
DJA X 28 22 44 56.6–1.5 9S–3.0 127E–4.0 16–14 4.6b,4.3b
IDC X 28 22 44 58.5–2.1 9.06S 127.49E 82–22 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=146.5.
IDC Error ellipse: s-maj=19.7km s-min=15.6km az=32.0.
ISC XI 05 19 31 47.0–.39 11.45S–.04 129.00E–.04 35 4.4b 122 2-148
IDC XI 05 19 31 42.7–.59 11.23S 129.16E 0 4.6L,4.4 **¶601874867**
BJI XI 05 19 31 45.0 11.30S 129.20E 40 4.9b,4.6b
NEIC XI 05 19 31 46.0–1.8 11.32S 129.12E 23–14 4.5b,4.6b
ISCJB XI 05 19 31 45.0–.22 11.38S–.03 129.03E–.03 33 4.3b,3.3s
DJA XI 05 19 31 47.5–.30 11S–3.0 129E–2.0 83–14 5.3b,5.2
AUST XI 05 19 31 49.5–1.4 11.55S 129.05E 39–12 5.3b,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=20.5km s-min=13.7km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.3km az=53.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=38.5.
AUST Error ellipse: s-maj=12.4km s-min=6.1km az=162.0.
ISC XI 25 11 50 05.4–1.0 8.01S–.09 128.11E–.06 10 13 3-39
ISCJB XI 25 11 50 02.5–1.0 7.94S–.09 128.21E–.07 10 3.5b,3.5s **¶602389969**
IDC XI 25 11 50 08.1–2.3 7.91S 128.13E 107–52 4.3,4.0
DJA XI 25 11 50 10.4–1.5 8S–34 128E–8.0 11–12 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC XII 02 22 34 14.3–26 8.52S 129.94E 308–273 3.7,3.5b
¶602390377

IDC Error ellipse: s-maj=196.8km s-min=110.9km az=135.0.
IDC XII 10 19 45 32.7–4.4 8.25S 129.88E 116–45 4.0,3.7
¶602391019

IDC Error ellipse: s-maj=36.1km s-min=16.3km az=44.0.
IDC XII 10 20 15 01.6–5.5 8.51S 129.93E 161–58 3.9,3.5
¶602391020

IDC Error ellipse: s-maj=52.8km s-min=19.1km az=39.0.
ISC XII 21 15 30 42.0–.57 9.36S–.06 128.05E–.05 35 4.0b 33 3-127
ISCJB XII 21 15 30 39.5–.42 9.29S–.04 128.17E–.04 35 4.0b,3.0s **¶602391815**
IDC XII 21 15 30 43.2–1.6 9.27S 128.03E 48–17 4.1,4.0L
DJA XII 21 15 30 43.1–.40 9S–11 128E–4.0 10 4.7b,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC XII 24 08 52 02.3–1.9 8.43S 128.58E 0 4.0,4.0L
¶602391983

IDC Error ellipse: s-maj=91.6km s-min=26.8km az=74.0.
IDC XII 28 01 57 36.1–1.7 8.38S 129.17E 0 4.2b,3.8
¶602380755

IDC Error ellipse: s-maj=38.2km s-min=27.1km az=66.0.

(291) South of Sumbawa.

DJA VII 01 14 42 01.5–.60 10S–8.0 119E–3.0 65–30 3.5,3.5
¶602027347

ISC VII 05 18 54 52.8–.65 11.00S–.08 116.97E–.07 41 4.0b 37 2-113
IDC VII 05 18 54 47.8–.74 10.79S 117.13E 0 4.2L,4.0 **¶601243219**
DJA VII 05 18 54 49.1–.40 11S–4.0 117E–2.0 10 5.1b,4.9b
NEIC VII 05 18 54 52.9–.44 10.89S 116.98E 35 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=14.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.7km az=48.0.
IDC VII 31 14 00 36.2–3.5 12.52S 116.75E 0 4.0b,3.7
¶601650830

IDC Error ellipse: s-maj=122.2km s-min=30.5km az=51.0.
ISC VIII 01 01 04 15.6–.97 11.70S–.09 118.07E–.06 36 4.2b 24 2-71
IDC VIII 01 01 04 12.6–1.9 11.40S 117.97E 0 4.1L,4.0 **¶601765296**
ISCJB VIII 01 01 04 14.1–.69 11.69S–.07 117.99E–.05 36 4.0b,3.5s
DJA VIII 01 01 04 19.1–.90 11S–4.0 118E–2.0 21–6 5.4b,4.9
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 04 10 42 28.0–2.1 10.66S 118.69E 0 3.7,3.5
¶601765447

IDC Error ellipse: s-maj=71.9km s-min=26.9km az=46.0.
ISC VIII 16 17 21 13.9–.91 11.45S–.09 118.65E–.07 26 4.0b 24 2-71
ISCJB VIII 16 17 21 12.0–.55 11.41S–.07 118.51E–.05 26 3.9b,3.2s **¶601765953**
IDC VIII 16 17 21 11.3–1.5 11.27S 118.47E 0 4.0,3.9
DJA VIII 16 17 21 12.8–.90 11S–12 119E–3.0 10 4.5b,4.3b
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 17 34 31.1–.65 11.64S–.06 116.54E–.05 35 3.9b 71 3-70
ISCJB VIII 18 17 34 29.6–.40 11.55S–.04 116.59E–.03 33 3.9b **¶602028512**
IDC VIII 18 17 34 29.5–1.1 11.34S 116.66E 0 4.0,3.9
NEIC VIII 18 17 34 32.0–.50 11.63S 116.49E 35 4.1b,3.9
DJA VIII 18 17 34 35.0–.60 11S–10 116E–3.0 115–29 4.3,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VIII 26 09 19 29.4–.55 10.17S–.06 116.85E–.05 25 4.3b,3.2s 46 1-87
IDC VIII 26 09 19 26.2–1.0 9.91S 116.74E 0 4.1,4.0 **¶601702421**
ISCJB VIII 26 09 19 28.9–.37 10.09S–.04 116.86E–.04 25 4.2b,3.5s
NEIC VIII 26 09 19 32.3–1.0 10.03S 116.84E 41–12 4.2b,3.5s
DJA VIII 26 09 19 32.4–.40 10S–4.0 117E–2.0 10 4.5b,4.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 06 20 09 34.2–3.8 11.00S 116.59E 0 3.5,3.3
¶601863068

IDC Error ellipse: s-maj=244.4km s-min=23.7km az=47.0.
DJA IX 18 03 01 31.5–.60 10S–4.0 119E–1.0 24–4 4.1b,4.0
¶602030176
ISC IX 24 13 07 05.8–1.1 11.44S–.08 117.95E–.07 33 14 2-66
ISCJB IX 24 13 07 03.5–.74 11.51S–.05 117.93E–.07 33 3.7b **¶601864096**
IDC IX 24 13 07 03.1–2.8 10.71S 118.79E 0 3.7b,3.5
DJA IX 24 13 07 06.3–1.4 11S–13 118E–4.0 13–19 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 08 03 33 23.3–1.3 10.15S–.09 116.59E–.05 46–19 22 1-64
IDC X 08 03 33 14.4–3.6 10.93S 115.40E 0 3.8L,3.7 **¶601997450**
ISCJB X 08 03 33 20.9–1.0 10.25S–.07 116.58E–.04 37–18 3.4b,3.7
DJA X 08 03 33 21.7–1.1 10S–4.0 117E–2.0 15–14 4.6b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC X 10 00 05 09.3–3.6 11.31S 117.82E 0 3.6,3.5L
¶601997702

IDC Error ellipse: s-maj=242.6km s-min=27.4km az=47.0.
ISC X 12 19 19 17.7–.99 11.32S–.08 118.24E–.06 35 16 3-66
IDC X 12 19 19 12.2–1.9 11.57S 117.97E 0 3.7L,3.6 **¶601998041**
ISCJB X 12 19 19 16.5–.72 11.46S–.07 118.35E–.05 33 3.4b,3.6
DJA X 12 19 19 26.2–.70 11S–9.0 118E–3.0 89–53 4.9b,4.5b
ISC Event type ke.
ISCJB Event type ke.
DJA X 15 20 22 24.2–3.3 12S–29 118E–8.0 10 3.8,3.8
¶601998371
IDC X 26 13 10 47.6–1.9 10.49S 118.88E 0 3.8b,3.5
¶601999740

IDC Error ellipse: s-maj=69.3km s-min=24.6km az=45.0.
IDC X 28 01 00 17.1–2.3 11.03S 118.40E 0 3.6b,3.4
¶601999874

IDC Error ellipse: s-maj=76.9km s-min=29.7km az=39.0.
DJA X 28 16 15 26.8–.70 11S–7.0 118E–3.0 10 4.1b,3.9
¶602000097
ISC XI 02 16 26 39.3–.36 10.06S–.05 118.84E–.05 33 4.4b,3.7s 90 1-147
IDC XI 02 16 26 34.8–.47 9.86S 118.84E 0 4.5L,4.4 **¶601868894**
BJI XI 02 16 26 35.0 10.00S 118.80E 10 4.8b,4.7b
NEIC XI 02 16 26 36.1–.33 9.91S 118.79E 10 4.5b,4.7b
ISCJB XI 02 16 26 37.6–.25 10.11S–.03 118.78E–.03 33 4.4b,3.7s
DJA XI 02 16 26 38.3–.40 10S–5.0 119E–2.0 10 5.0b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA XI 13 01 04 00.6–.80 10S–6.0 119E–3.0 13–6 3.6,3.6
¶606793004
ISC XI 21 16 46 40.7–.52 11.36S–.03 117.92E–.03 31–3 5.7b,5.0s 1470 2-177
BJI XI 21 16 46 35.4 11.40S 117.90E 10 5.7b,5.6b **¶601993499**
IDC XI 21 16 46 36.4–.30 11.37S 117.93E 0 5.5,5.5
ISCJB XI 21 16 46 39.3–.33 11.43S–.02 117.93E–.02 35–2 5.7b,5.0s
NEIC XI 21 16 46 39.0–.00 11.58S 118.02E 23 5.7b,5.0s
DJA XI 21 16 46 40.4–.50 12S–1.0 118E–1.0 28–4 6.3,6.0b
NEIC XI 21 16 46 40.1–.08 11.36S 117.93E 25 5.8b,5.4W
MOS XI 21 16 46 42.1–.99 11.06S 117.90E 42 5.9b,4.7s
GCMT XI 21 16 46 43.1–.10 11.46S–.01 117.98E–.01 35–0 5.4W,4.7s
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-0.04 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s96.00000° ,δ58.00000°,λ-95.00000°. NP2:ϕ_s286.00000°,δ32.00000°,λ-81.00000°. Principal axes: T 1.8000,Plg13.0000°,Azm190.0000°; N -0.0900,Plg4.0000°,Azm99.0000° ; P -1.7100,Plg76.0000°,Azm351.0000° $M_0$1.80000×10^{17}
NEIC Event type fe. Felt [IV] at Denpasar and [III] at Kuta, Bali. Also felt at Gianyar and Sukawati and on Nusa Penida. Felt [III] at Lombok, Lombok. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ47.00000°,λ-61.00000°. NP2:ϕ_s102.00000° ,δ51.00000°,λ-118.00000°. Principal axes: T 1.1200,Plg2.0000°,Azm211.0000° ; N -0.0600,Plg21.0000°,Azm120.0000°; P -1.0600,Plg69.0000°,Azm306.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ20.00000° ,λ-90.00000°. NP2:ϕ_s60.00000°,δ70.00000°,λ-90.00000°. Principal axes: T Plg25.0000° ,Azm150.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm330.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c180; s116,c258; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36±.03 $M_{\theta\theta}$1.56±.02; $M_{\phi\phi}$-0.19±.02; $M_{r\theta}$-0.89±.02; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$-0.38±.03; Best double couple: NP1:ϕ_s82.00000°,δ62.00000° ,λ-111.00000°. NP2:ϕ_s301.00000°,δ34.00000°,λ-57.00000°. Principal axes: T 1.8390,Plg15.0000°,Azm187.0000°; N -0.0920,Plg18.0000°,Azm92.0000° ; P -1.7460,Plg66.0000°,Azm314.0000° $M_0$1.79200×10^{17}
ISC XI 22 21 29 24.4–.31 11.51S–.05 118.02E–.05 36 4.7b,3.6s 225 2-152
IDC XI 22 21 29 20.0–.50 11.38S 117.89E 0 4.7L,4.5 **¶601993805**
NEIC XI 22 21 29 20.1–1.8 11.45S 117.93E 5–11 4.8b,4.5
MOS XI 22 21 29 21.9–.97 11.35S 118.05E 29 4.9b,4.5
ISCJB XI 22 21 29 22.3–.19 11.55S–.03 117.96E–.03 36 4.7b,3.5s
DJA XI 22 21 29 22.4–.20 12S–3.0 118E–2.0 10 5.5b,5.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 23 01 20 24.4–1.3 12.0S–.10 118.0E–.10 35 3.8b 10 3-71
ISCJB XI 23 01 20 24.4–1.0 11.8S–.10 117.9E–.10 33 3.8b,3.2s **¶602389858**
IDC XI 23 01 20 25.3–2.8 10.98S 118.22E 0 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=8.8km az=136.2.
IDC Error ellipse: s-maj=156.9km s-min=25.2km az=49.0.
DJA XI 28 23 20 45.4–2.3 12S–23 118E–5.0 10 3.6,3.6
¶606793169
ISC XI 30 07 49 25.1–.95 11.18S–.09 118.78E–.09 27 4.3b 14 5-78
IDC XI 30 07 49 20.6–.97 11.12S 118.34E 0 4.3,4.2 **¶601995402**
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=17.9km az=58.0.
IDC XI 30 20 43 29.2–1.9 11.54S 117.85E 0 3.9s,3.9
¶602390251

IDC Error ellipse: s-maj=67.4km s-min=23.6km az=42.0.
DJA XII 13 14 21 12.7–.90 11S–9.0 118E–4.0 65–68 3.8b,3.7
¶606793421
DJA XII 22 00 34 21.4–1.5 11S–11 117E–3.0 34–43 4.2b,4.0
¶606793543
IDC XII 30 01 56 31.1–1.7 11.44S 118.04E 0 3.8b,3.7
¶602380867

IDC Error ellipse: s-maj=66.9km s-min=21.7km az=43.0.

(292) South of Sumba.

ISC X 06 00 33 34.3–.68 11.64S–.06 120.28E–.06 35 4.4b 39 3-72
IDC X 06 00 33 30.9–1.4 11.59S 120.16E 0 4.1,4.0b **¶601834607**
ISCJB X 06 00 33 32.4–.41 11.70S–.04 120.17E–.04 33 4.7b,4.0b
NEIC X 06 00 33 33.6–2.0 11.65S 120.19E 24–16 4.2b,4.0b
DJA X 06 00 33 41.2–.70 11S–7.0 120E–3.0 10 4.0b,3.8
ISC Event type se.
ISCJB Event type se.

NEIC Event type se.
ISC X 06 05 12 21.1–.89 11.64S–.07 120.24E–.06 35 4.1b 19 3-72
ISCJB X 06 05 12 20.2–.70 11.53S–.06 120.33E–.07 33 4.1b **¶601997242**
DJA X 06 05 12 24.9–.80 11S–7.0 120E–3.0 10 3.8,3.8
IDC X 06 05 12 27.3–5.7 11.75S 120.51E 89–60 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.6km az=159.2.
IDC Error ellipse: s-maj=53.9km s-min=18.4km az=93.0.
ISC X 06 06 54 33.9–.76 11.80S–.07 120.35E–.08 35 4.3b 16 4-114
IDC X 06 06 54 30.0–.98 11.51S 120.23E 0 4.3,4.2 **¶601997250**
ISCJB X 06 06 54 31.3–.68 11.85S–.06 120.24E–.07 33 4.2b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC X 21 07 01 37.1–2.1 11.16S 120.57E 0 3.9b,3.8
¶601999130
IDC Error ellipse: s-maj=181.8km s-min=23.6km az=53.0.
ISC XI 01 01 23 20.1–.35 11.59S–.05 119.72E–.04 21 4.7b 143 2-150
BJI XI 01 01 23 11.9 12.25S 120.14E 20 4.9b,4.8b **¶601867044**
ISCJB XI 01 01 23 17.7–.22 11.63S–.03 119.75E–.03 21 4.7b,3.7s
IDC XI 01 01 23 17.1–.54 11.56S 119.67E 0 4.5,4.5
DJA XI 01 01 23 22.9–2.2 11S–4.0 120E–2.0 20–27 5.0b,4.8
NEIC XI 01 01 23 22.1–.26 11.61S 119.69E 35 4.7b,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=29.9.
IDC Error ellipse: s-maj=17.0km s-min=13.0km az=76.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=47.0.
ISC XI 01 01 24 12.2–.55 11.71S–.07 119.77E–.08 35 4.8b 56 4-148
IDC XI 01 01 24 08.3–.94 11.49S 119.61E 0 4.7,4.7 **¶602051227**
ISCJB XI 01 01 24 10.0–.48 11.71S–.07 119.86E–.07 35 4.8b,3.3s
NEIC XI 01 01 24 13.3–.42 11.55S 119.72E 35 4.8b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=19.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.6km az=138.5.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.4km az=54.0.
IDC XI 01 01 47 07.2–1.5 11.67S 119.64E 0 4.3,4.2b
¶602388650
IDC Error ellipse: s-maj=43.7km s-min=22.2km az=39.0.
IDC XI 02 16 32 34.4–2.0 11.65S 119.44E 0 4.0,4.0b
¶602388725
IDC Error ellipse: s-maj=63.3km s-min=27.5km az=40.0.
ISC XI 21 11 26 24.7–.40 11.61S–.04 119.66E–.04 21 4.7b,3.6s 118 2-151
BJI XI 21 11 26 19.3 11.86S 120.11E 14 5.0b,4.8b **¶601993448**
IDC XI 21 11 26 21.8–.62 11.46S 119.59E 0 4.8L,4.5
NEIC XI 21 11 26 22.6–.29 11.63S 119.65E 10 4.5b,4.5
ISCJB XI 21 11 26 22.3–.27 11.70S–.03 119.68E–.03 21 4.7b,3.8s
DJA XI 21 11 26 23.4–1.0 12S–2.0 120E–3.0 11–7 5.0b,4.9
GCMT XI 21 11 26 25.6–.30 11.61S–.02 119.65E–.05 17–1 4.8W,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c24; s63,c84;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.59±.14 $M_{\theta\theta}$1.82±.09; $M_{\phi\phi}$-0.23±.11; $M_{r\theta}$0.54±.22; $M_{\theta\phi}$0.27±.06; $M_{\phi r}$0.41±.33; Best double couple: NP1:ϕ_s251.00000°,δ56.00000°,λ-105.00000°. NP2:ϕ_s96.00000°,δ37.00000°,λ-70.00000°. Principal axes: T 1.9540,Plg10.0000° ,Azm351.0000°; N -0.1980,Plg12.0000°,Azm259.0000°; P -1.7600,Plg75.0000° ,Azm118.0000° $M_0$1.85700×10^{16}
ISC XI 21 11 30 17.1–.57 11.76S–.05 119.66E–.05 10 4.3b 37 4-151
ISCJB XI 21 11 30 15.9–.46 11.67S–.05 119.59E–.04 10 4.5b **¶602082079**
IDC XI 21 11 30 17.2–.90 11.55S 119.51E 0 4.4,4.3
NEIC XI 21 11 30 18.0–.44 11.69S 119.53E 10 4.2b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=6.7.
IDC Error ellipse: s-maj=35.7km s-min=21.9km az=66.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.2km az=51.0.
ISC XI 21 12 40 35.3–.85 11.46S–.08 119.68E–.06 21 4.1b 18 2-76
IDC XI 21 12 40 32.3–1.2 11.41S 119.68E 0 4.0,4.0 **¶602389787**
ISCJB XI 21 12 40 33.6–.65 11.52S–.06 119.70E–.05 21 4.0b,4.0
DJA XI 21 12 40 39.1–1.2 11S–9.0 120E–3.0 39–49 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 21 13 31 51.3–.56 11.64S–.06 119.68E–.06 21 4.6b 67 2-151
ISCJB XI 21 13 31 48.5–.32 11.74S–.04 119.64E–.03 21 4.5b **¶601993468**
IDC XI 21 13 31 49.3–.92 11.48S 119.64E 0 4.4,4.4
NEIC XI 21 13 31 49.4–.32 11.67S 119.60E 10 4.2b,4.4
DJA XI 21 13 31 52.3–.40 12S–4.0 120E–2.0 41–17 5.4b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 09 22 57 16.9–.98 11.09S–.07 119.77E–.06 35 19 1-71
IDC XII 09 22 57 13.1–1.5 10.94S 119.68E 0 3.7,3.6 **¶602390939**
ISCJB XII 09 22 57 14.9–.70 11.15S–.05 119.72E–.05 33 3.6b,3.6
DJA XII 09 22 57 16.1–.90 11S–5.0 120E–4.0 12–7 4.3b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 12 03 46 11.1–1.1 11.71S–.08 119.56E–.08 35 12 2-67
IDC XII 12 03 46 08.9–2.1 10.89S 120.52E 0 3.6,3.4 **¶602391147**
ISCJB XII 12 03 46 10.0–.95 11.74S–.08 119.56E–.08 33 3.5b,3.4
DJA XII 12 03 46 16.3–1.1 11S–8.0 120E–2.0 36–24 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.

(293) South of Timor.

ISC IX 07 12 22 27.2–.77 11.74S–.06 122.14E–.05 35 4.2b 23 2-78
ISCJB IX 07 12 22 26.1–.56 11.74S–.05 122.12E–.05 33 4.0b **¶601863114**
DJA IX 07 12 22 31.3–.70 11S–6.0 122E–2.0 10 5.3b,4.7
IDC IX 07 12 22 32.3–4.3 11.63S 122.52E 75–49 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=40.9.
IDC Error ellipse: s-maj=62.6km s-min=16.0km az=93.0.
IDC XII 03 00 25 09.8–2.1 11.62S 122.21E 0 3.9b,3.6
¶602390379
IDC Error ellipse: s-maj=141.3km s-min=28.2km az=57.0.

SEISMIC REGION 25.
Myanmar and Southeast Asia.

(294) Myanmar-India border region.

ISC VII 01 04 13 51.8–.21 25.60N–.02 94.71E–.02 56–1 5.5b,4.7s 1254 1-162
MOS VII 01 04 13 49.8–1.1 25.58N 94.74E 51 5.6b,4.7s **¶601224672**
BJI VII 01 04 13 49.2 25.64N 94.63E 59 5.5b,5.3b
ISCJB VII 01 04 13 50.9–.23 25.58N–.01 94.61E–.01 61–2 5.4b,5.3b
IDC VII 01 04 13 51.8–.37 25.58N 94.81E 56–3 5.1,4.8
NEIC VII 01 04 13 52.1–.13 25.59N 94.70E 58 5.6W,5.5b
GCMT VII 01 04 13 52.1–.10 25.60N 94.73E 50–0 5.6W,5.5b
NDI VII 01 04 13 53.2–2.4 25.67N 94.54E 70–8 5.6L,5.5b
ISC Event type fe.
MOS Error ellipse: s-maj=6.0km s-min=3.3km az=121.4.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=29.2.
IDC Error ellipse: s-maj=7.9km s-min=6.7km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=210.0. Felt at Nagaon, Phek and Shillong, India. Also felt at Sylhet, Bangladesh. Moment Tensor Solution. s35
Moment tensor: Scale 10^{17}Nm; M_{rr}0.14 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$1.92 $M_{r\theta}$-0.27 $M_{\theta\phi}$2.56 $M_{\phi r}$-0.48
Best double couple: NP1:ϕ_s161.00000°,δ83.00000°,λ173.00000°. NP2:ϕ_s252.00000° ,δ83.00000°,λ7.00000°. Principal axes: T 3.2700,Plg10.0000°,Azm116.0000° ; N 0.0400,Plg80.0000°,Azm294.0000°; P -3.3100,Plg0.0000°,Azm26.0000° $M_0$3.30000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s92,c135; s126,c300;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.04 $M_{\theta\theta}$-2.81±.04; $M_{\phi\phi}$2.86±.04; $M_{r\theta}$-0.40±.04; $M_{\theta\phi}$1.28±.03; $M_{\phi r}$-0.59±.04; Best double couple: NP1: ϕ_s238.00000°,δ86.00000°,λ12.00000°. NP2:ϕ_s147.00000°,δ78.00000°,λ176.00000°. Principal axes: T 3.2660,Plg11.0000°,Azm103.0000°; N -0.1610,Plg78.0000°,Azm257.0000° ; P -3.1100,Plg5.0000°,Azm12.0000° $M_0$3.18800×10^{17}
NDI Error ellipse: s-maj=4.5km s-min=8.2km az=-1.0.
ISC VII 01 04 54 04.8–.54 25.65N–.03 94.60E–.05 62–4 4.2b 112 0-123
ISCJB VII 01 04 54 04.3–.35 25.64N–.03 94.51E–.03 78–3 4.0b **¶601351248**
NEIC VII 01 04 54 04.4–.24 25.59N 94.72E 58 4.3b
IDC VII 01 04 54 04.4–.61 25.55N 94.70E 59–4 4.1,3.9
NDI VII 01 04 54 05.5–2.9 25.68N 94.63E 68–12 4.3b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=148.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.8km az=51.0.
IDC Error ellipse: s-maj=12.4km s-min=9.8km az=97.0.
NDI Error ellipse: s-maj=5.4km s-min=8.3km az=-1.0.
ISC VII 01 20 36 50.3–.00 23.1N–.10 94.09E–.08 105 3.4b 8 2-60
IDC VII 01 20 36 47.8–3.1 23.21N 94.27E 64–34 3.5L,3.4 **¶601663375**
ISCJB VII 01 20 36 48.8–.80 23.1N–.10 94.13E–.08 105 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.
NDI VII 04 05 24 09.8–2.2 24.90N 93.89E 20–15 3.3L
¶606544438
NDI Error ellipse: s-maj=7.5km s-min=8.8km az=-1.0.
NDI VII 05 09 29 31.8–3.1 25.67N 94.21E 14–17 3.1L
¶606544374
NDI Error ellipse: s-maj=6.3km s-min=17.4km az=-1.0.
ISC VII 08 12 52 43.8–1.1 22.72N–.05 93.33E–.06 59 25 0-61
ISCJB VII 08 12 52 43.4–.64 22.77N–.04 93.38E–.05 59 3.6b **¶601664288**
NDI VII 08 12 52 43.6–2.6 22.74N 93.32E 24–12 3.3L
IDC VII 08 12 52 46.0–4.0 22.79N 93.31E 73–30 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.0km az=172.3.
NDI Error ellipse: s-maj=9.6km s-min=10.4km az=-1.0.
IDC Error ellipse: s-maj=100.7km s-min=22.8km az=10.0.
NDI VII 08 15 39 42.8–2.2 24.40N 94.13E 16–13 3.3L
¶606544383
NDI Error ellipse: s-maj=5.4km s-min=8.0km az=-1.0.
ISC VII 14 19 55 18.2–.24 25.44N–.03 94.41E–.02 53–1 5.3b,4.6s 952 0-161
BJI VII 14 19 55 10.6 25.52N 94.44E 6 5.3b,5.2b **¶601273351**
ISCJB VII 14 19 55 16.6–.27 25.43N–.01 94.41E–.01 53–2 5.3b,4.5s
MOS VII 14 19 55 16.2–1.0 25.42N 94.44E 49 5.5b,4.5s
IDC VII 14 19 55 18.0–.29 25.40N 94.50E 50–2 4.9,4.7
NEIC VII 14 19 55 17.9–.10 25.42N 94.48E 52 5.5b,5.2W
GCMT VII 14 19 55 18.0–.20 25.40N 94.45E 41–1 5.3W,5.2W
NDI VII 14 19 55 19.3–2.8 25.55N 94.33E 54–14 5.5b,5.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=38.8.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=121.7.
IDC Error ellipse: s-maj=6.9km s-min=6.1km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=222.0. Felt [VI] at Phek, [IV] at Guwahati and [III] at Dibrugarh and Shillong, India. Also felt at Haflong, Jawai, Jorhat, Kohima, Manipur, and Margherita. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16} Nm; M_{rr}0.02 $M_{\theta\theta}$-5.31 $M_{\phi\phi}$5.29 $M_{r\theta}$-0.55 $M_{\theta\phi}$3.02 $M_{\phi r}$-2.84 Best double couple: NP1: ϕ_s148.00000°,δ76.00000°,λ163.00000°. NP2:ϕ_s242.00000°,δ73.00000°,λ14.00000°. Principal axes: T 7.2400,Plg22.0000°,Azm105.0000°; N -1.1200,Plg68.0000°,Azm290.0000° ; P -6.1200,Plg2.0000°,Azm195.0000° $M_0$6.80000×10^{16}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s60,c90; s120,c197; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$0.58±.02; $M_{r\theta}$-0.05±.02; $M_{\theta\phi}$0.82±.02; $M_{\phi r}$-0.46±.02; Best double couple: NP1:ϕ_s159.00000°,δ80.00000° ,λ158.00000°. NP2:ϕ_s253.00000°,δ69.00000°,λ11.00000°. Principal axes: T 1.1650,Plg23.0000°,Azm114.0000°; N -0.0460,Plg66.0000°,Azm315.0000° ; P -1.1190,Plg7.0000°,Azm207.0000° $M_0$1.14200×10^{17}
NDI Error ellipse: s-maj=7.6km s-min=11.3km az=-1.0.
ISC VII 14 21 18 33.8–1.3 25.4N–.20 94.63E–.10 10 3.4b 6 2-62
IDC VII 14 21 18 31.2–5.4 25.10N 93.96E 0 3.4,3.3b **¶601664588**
ISC Event type ke.
IDC Error ellipse: s-maj=468.2km s-min=27.2km az=60.0.
ISC VII 15 11 00 35.8–1.8 23.09N–.08 94.04E–.09 108–12 3.7b 49 1-60
IDC VII 15 11 00 31.2–2.7 22.77N 94.38E 90–30 3.6,3.5 **¶601643143**
ISCJB VII 15 11 00 34.5–.79 23.12N–.04 94.04E–.04 129–6 3.7b,3.5
NDI VII 15 11 00 34.0–2.3 23.09N 94.11E 12 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=15.3km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.9km az=148.0.
NDI Error ellipse: s-maj=7.6km s-min=9.6km az=-1.0.
ISC VII 17 06 00 41.8–1.0 23.14N–.05 93.04E–.05 52–10 4.1b,3.4s 99 1-125
IDC VII 17 06 00 34.8–.71 23.19N 93.30E 0 4.2,4.1b **¶601472662**
ISCJB VII 17 06 00 37.9–.48 23.02N–.03 92.91E–.03 35–5 4.1b,3.3s
NEIC VII 17 06 00 41.1–.51 23.05N 93.07E 48–5 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=13.0km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.3km az=33.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=53.0.
IDC VII 17 06 40 20.7–1.3 23.21N 93.38E 0 3.7s,3.7
¶601664708
IDC Error ellipse: s-maj=26.7km s-min=14.2km az=172.0.
ISC VII 24 20 21 09.7–.93 23.9N–.10 94.3E–.10 96 3.6b 32 3-65
IDC VII 24 20 21 10.7–2.8 23.72N 94.55E 103–30 3.7,3.4 **¶601643197**
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=15.1km az=46.0.
IDC VII 26 19 36 51.3–4.0 24.09N 94.80E 0 3.6,3.4
¶601666493
IDC Error ellipse: s-maj=359.1km s-min=28.4km az=60.0.
ISC VII 29 06 29 20.3–.72 22.88N–.07 93.84E–.06 100 3.8b 58 2-125
NDI VII 29 06 29 19.6–3.5 22.99N 93.76E 14–37 3.4L **¶601630282**
IDC VII 29 06 29 19.9–2.0 22.70N 94.01E 98–21 3.9,3.7
ISC Event type ke.
NDI Error ellipse: s-maj=35.5km s-min=23.8km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=13.3km az=38.0.
ISC VII 29 07 28 05.8–1.2 24.18N–.05 94.43E–.06 19–4 3.7b,3.2s 33 1-124
IDC VII 29 07 28 02.8–.92 24.26N 94.57E 0 3.9,3.8 **¶601666612**
NDI VII 29 07 28 06.4–2.4 24.12N 94.33E 10 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=15.0km az=57.0.
NDI Error ellipse: s-maj=10.2km s-min=10.7km az=-1.0.
ISC VIII 02 19 08 33.6–.69 23.0N–.10 94.26E–.07 58 4.3b 16 2-154
ISCJB VIII 02 19 08 31.8–.56 23.06N–.10 94.31E–.07 58 4.3b **¶601713605**
NEIC VIII 02 19 08 31.5–.50 23.08N 94.22E 35 4.2b
IDC VIII 02 19 08 33.6–2.7 23.06N 94.26E 58–25 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=8.6km az=3.6.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.7km az=209.0.
IDC Error ellipse: s-maj=26.0km s-min=13.9km az=34.0.
ISC VIII 06 19 48 03.4–2.2 24.8N–.30 94.3E–.60 72 3.3b 5 2-62
ISCJB VIII 06 19 48 02.1–.88 24.8N–.10 94.4E–.10 72 3.2b **¶601765572**
IDC VIII 06 19 48 05.0–4.5 24.86N 94.46E 86–39 3.5s,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.4km s-min=11.6km az=43.2.
IDC Error ellipse: s-maj=80.1km s-min=21.5km az=70.0.
ISC VIII 14 03 36 44.8–2.1 23.57N–.08 93.91E–.09 73 36 1-11
NDI VIII 14 03 36 43.5–2.3 23.49N 94.00E 30 3.4L **¶606722505**
ISC Event type ke.
NDI Error ellipse: s-maj=6.7km s-min=8.8km az=-1.0.
ISC VIII 16 02 51 22.2–.86 23.12N–.07 94.39E–.07 58 4.0b 24 3-125
IDC VIII 16 02 51 12.2–1.1 22.28N 93.18E 0 4.1L,4.0 **¶601765915**
ISCJB VIII 16 02 51 20.3–.70 23.04N–.06 94.32E–.09 58 3.9b,4.0
NDI VIII 16 02 51 27.7–1.6 23.44N 94.14E 10 3.3L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=78.6km s-min=16.4km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.1km az=147.4.
NDI Error ellipse: s-maj=8.6km s-min=7.1km az=-1.0.
ISC IX 11 11 09 46.8–.81 23.84N–.04 94.27E–.04 50–7 4.7b,3.5s 234 1-149

IDC	IX	11 11 09 39.6–.55	23.74N	94.24E	0	4.5,4.4		¶601704942
MOS	IX	11 11 09 41.3–.98	23.68N	94.64E	33	4.9b,4.4		
ISCJB	IX	11 11 09 42.9–.48	23.73N–.03	94.26E–.03	33–4	4.7b,3.5s		
BJI	IX	11 11 09 44.6	23.92N	94.34E	41	4.6b,4.6b		
NDI	IX	11 11 09 45.9–2.3	23.95N	94.12E	11–7	3.9L,4.6b		
NEIC	IX	11 11 09 46.7–.57	23.80N	94.38E	50–5	4.8b,4.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.3km s-min=12.0km az=49.0.							
MOS	Error ellipse: s-maj=16.0km s-min=5.2km az=123.7.							
ISCJB	Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=37.2.							
NDI	Error ellipse: s-maj=5.6km s-min=9.9km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=4.0km az=51.0.							
ISC	**IX**	**11 18 09 50.1–.96**	**24.61N–.04**	**93.67E–.05**	**63–11**	**4.1b**	**36 1-62**	
NDI	IX	11 18 09 46.8–2.9	24.65N	93.73E	14–14	3.8L		¶601851658
ISCJB	IX	11 18 09 48.5–.44	24.58N–.03	93.76E–.05	64–6	4.3b		
NEIC	IX	11 18 09 49.8–.62	24.41N	93.53E	60–8	4.5b		
IDC	IX	11 18 09 51.0–4.8	24.43N	93.58E	74–42	3.8L,3.5		
ISC	Event type se.							
NDI	Error ellipse: s-maj=7.0km s-min=7.9km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=174.4.							
NEIC	Event type se. Error ellipse: s-maj=21.1km s-min=5.3km az=52.0.							
IDC	Error ellipse: s-maj=114.5km s-min=24.9km az=60.0.							
ISC	**IX**	**15 21 07 21.6–.89**	**22.5N–.10**	**93.72E–.08**	**59**	**3.6b**	**10 2-87**	
ISCJB	IX	15 21 07 19.7–.74	22.58N–.09	93.83E–.08	59	3.5b		¶601863604
IDC	IX	15 21 07 22.0–2.5	22.42N	93.69E	66–25	3.5,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.6km s-min=8.1km az=34.9.							
IDC	Error ellipse: s-maj=39.9km s-min=14.4km az=32.0.							
ISC	**IX**	**16 12 23 08.7–1.2**	**24.5N–.20**	**94.0E–.10**	**72**		**16 6-25**	
IDC	IX	16 12 23 02.9–3.0	24.84N	94.30E	0	3.6L,3.4		¶601863649
ISCJB	IX	16 12 23 07.6–.90	24.5N–.10	94.01E–.09	72	3.1b,3.4		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**19 06 28 34.3–.55**	**22.17N–.06**	**93.81E–.05**	**64**	**4.4b**	**100 1-83**	
IDC	IX	19 06 28 30.5–3.5	22.00N	93.88E	35–29	4.1,4.1		¶601729295
ISCJB	IX	19 06 28 32.1–.26	22.06N–.04	93.79E–.04	64	4.3b,4.1		
NEIC	IX	19 06 28 34.5–.49	22.04N	93.88E	72–5	4.6b,4.1		
NDI	IX	19 06 28 36.8–2.4	22.27N	93.85E	30–14	3.7L,4.1		
ISC	Event type se.							
IDC	Error ellipse: s-maj=28.5km s-min=13.4km az=55.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.8km s-min=3.1km az=136.3.							
NEIC	Event type se. Error ellipse: s-maj=9.7km s-min=3.8km az=50.0.							
NDI	Error ellipse: s-maj=16.7km s-min=9.5km az=-1.0.							
ISC	**IX**	**20 10 12 20.0–1.1**	**24.79N–.05**	**94.88E–.07**	**102–10**	**3.5b**	**29 1-61**	
ISCJB	IX	20 10 12 18.8–.62	24.81N–.04	94.84E–.06	115–7	3.4b		¶601863885
IDC	IX	20 10 12 21.4–3.6	24.69N	95.09E	111–39	3.5,3.3		
NDI	IX	20 10 12 21.6–3.0	24.79N	94.90E	40	3.5L,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.1km s-min=5.8km az=21.3.							
IDC	Error ellipse: s-maj=171.7km s-min=16.8km az=60.0.							
NDI	Error ellipse: s-maj=7.2km s-min=12.3km az=-1.0.							
ISC	**IX**	**21 14 20 43.5–.93**	**26.10N–.05**	**95.10E–.07**	**98–8**	**3.4b**	**52 1-78**	
NDI	IX	21 14 20 42.9–3.5	26.11N	95.31E	50	4.0L		¶601833010
DMN	IX	21 14 20 42.2–.28	26.31N	95.30E	10	4.9L		
ISCJB	IX	21 14 20 43.2–.52	26.03N–.04	95.00E–.04	117–5	3.6b		
IDC	IX	21 14 20 44.5–3.6	26.02N	95.47E	103–35	3.9,3.8		
ISC	Event type ke.							
NDI	Error ellipse: s-maj=10.1km s-min=18.7km az=-1.0.							
DMN	Event type ke. Error ellipse: s-maj=31.5km s-min=5.0km az=11.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.1km s-min=4.6km az=29.7.							
IDC	Error ellipse: s-maj=54.0km s-min=15.0km az=63.0.							
ISC	**IX**	**22 01 34 21.8–.88**	**23.2N–.10**	**93.88E–.10**	**58**	**3.9b**	**32 2-61**	
DMN	IX	22 01 34 22.1–.37	22.03N	93.08E	10	4.6L		¶601833020
IDC	IX	22 01 34 25.1–2.2	22.88N	93.88E	101–25	3.8,3.6		
ISC	Event type ke.							
DMN	Event type ke. Error ellipse: s-maj=29.7km s-min=6.7km az=39.0.							
IDC	Error ellipse: s-maj=27.2km s-min=13.9km az=51.0.							
ISC	**IX**	**22 17 46 41.8–.85**	**27.63N–.10**	**96.7E–.10**	**35**	**3.7b**	**11 5-88**	
IDC	IX	22 17 46 35.9–.88	27.53N	96.84E	0	3.9,3.8		¶601864003
ISCJB	IX	22 17 46 38.8–.78	27.5N–.10	96.74E–.10	33	3.7b,3.8		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**24 15 20 00.7–.97**	**23.67N–.06**	**93.99E–.06**	**73**	**3.7b**	**36 2-61**	
DMN	IX	24 15 20 00.9–.37	23.26N	93.81E	10	4.8L		¶601833024
NDI	IX	24 15 20 02.0–1.6	23.81N	93.91E	13–13	3.4L		
IDC	IX	24 15 20 02.3–2.9	23.45N	94.09E	92–31	3.7,3.5		
ISC	Event type ke.							
DMN	Event type ke. Error ellipse: s-maj=47.3km s-min=7.1km az=33.0.							
NDI	Error ellipse: s-maj=10.7km s-min=9.7km az=-1.0.							
IDC	Error ellipse: s-maj=31.5km s-min=18.6km az=42.0.							
ISC	**X**	**11 02 07 34.8–.91**	**25.98N–.07**	**95.22E–.08**	**100**	**3.4b**	**22 1-65**	
ISCJB	X	11 02 07 33.4–.73	25.95N–.07	95.21E–.05	100	3.5b		¶601997827
NDI	X	11 02 07 33.8–2.2	25.96N	95.35E	60	3.6L		
IDC	X	11 02 07 36.4–3.8	25.87N	95.50E	119–39	3.6,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=6.6km az=179.8.							
NDI	Error ellipse: s-maj=12.7km s-min=14.2km az=-1.0.							
IDC	Error ellipse: s-maj=56.1km s-min=18.5km az=60.0.							
ISC	**X**	**12 19 17 37.6–1.7**	**25.77N–.06**	**95.4E–.10**	**35**		**19 1-59**	
ISCJB	X	12 19 17 35.3–1.0	25.75N–.06	95.45E–.07	33	3.3b		¶601998040
NDI	X	12 19 17 36.5–2.1	25.78N	95.56E	50	3.6L		
IDC	X	12 19 17 41.6–3.8	25.28N	95.52E	144–43	3.5,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.4km s-min=7.7km az=155.9.							
NDI	Error ellipse: s-maj=13.5km s-min=13.6km az=-1.0.							
IDC	Error ellipse: s-maj=41.1km s-min=24.0km az=40.0.							
ISC	**X**	**12 23 16 12.9–.61**	**24.69N–.04**	**93.59E–.05**	**10**	**3.7b**	**68 1-165**	
IDC	X	12 23 16 09.6–.70	24.55N	94.05E	0	4.1L,4.0		¶601839923
ISCJB	X	12 23 16 12.2–.43	24.70N–.03	93.57E–.03	10	3.8b,3.5s		
NEIC	X	12 23 16 14.6–.45	24.55N	94.02E	35	4.0b,3.5s		
NDI	X	12 23 16 16.2–2.8	24.65N	93.69E	38–21	4.1L,4.0b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=18.6km s-min=14.0km az=73.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=28.3.							
NEIC	Event type se. Error ellipse: s-maj=13.1km s-min=8.3km az=76.0.							
NDI	Error ellipse: s-maj=10.2km s-min=9.2km az=-1.0.							
ISC	**X**	**14 14 37 10.8–1.2**	**24.23N–.05**	**94.58E–.08**	**96–11**		**24 1-60**	
ISCJB	X	14 14 37 11.1–.90	24.28N–.04	94.45E–.07	106–7	3.6b		¶601998222
IDC	X	14 14 37 12.0–4.1	23.85N	94.60E	128–72	3.7,3.4		
NDI	X	14 14 37 12.5–2.7	24.23N	94.52E	34–22	3.2L,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=6.0km az=20.9.							
IDC	Error ellipse: s-maj=81.6km s-min=22.8km az=17.0.							
NDI	Error ellipse: s-maj=8.1km s-min=13.7km az=-1.0.							
ISC	**X**	**17 21 13 51.9–1.1**	**24.04N–.05**	**94.52E–.08**	**102–13**	**3.4b**	**30 2-61**	
ISCJB	X	17 21 13 51.0–.78	24.05N–.04	94.55E–.07	109–8	3.5b		¶601998707
IDC	X	17 21 13 52.7–2.9	23.80N	94.59E	103–32	3.6,3.3		
NDI	X	17 21 13 52.7–2.9	24.11N	94.30E	9–20	3.4L,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.9km s-min=6.3km az=6.9.							
IDC	Error ellipse: s-maj=29.6km s-min=16.1km az=50.0.							
NDI	Error ellipse: s-maj=8.5km s-min=16.6km az=-1.0.							
ISC	**X**	**20 01 31 53.8–1.1**	**24.10N–.05**	**94.13E–.06**	**91–14**	**4.1b**	**41 2-61**	
ISCJB	X	20 01 31 54.1–.64	24.17N–.04	94.05E–.04	114–7	3.8b		¶601998994
NDI	X	20 01 31 54.6–1.6	24.12N	94.13E	27–14	3.7L		
IDC	X	20 01 31 55.7–3.1	23.80N	94.24E	96–33	3.7,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=2.7.							
NDI	Error ellipse: s-maj=4.5km s-min=9.0km az=-1.0.							
IDC	Error ellipse: s-maj=32.5km s-min=20.6km az=39.0.							
ISC	**X**	**22 15 43 49.8–.98**	**24.77N–.05**	**94.17E–.06**	**79–12**	**3.4b**	**44 1-62**	
ISCJB	X	22 15 43 48.8–.53	24.78N–.03	94.17E–.04	96–7	3.3b		¶601999288
NDI	X	22 15 43 50.5–1.8	24.75N	94.19E	36–13	3.6L		
IDC	X	22 15 43 51.2–2.9	24.57N	94.30E	88–33	3.4,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=5.8.							
NDI	Error ellipse: s-maj=4.6km s-min=6.7km az=-1.0.							
IDC	Error ellipse: s-maj=26.4km s-min=19.8km az=68.0.							
ISC	**XI**	**02 21 31 49.2–.55**	**24.95N–.04**	**94.91E–.05**	**106–5**	**4.3b**	**142 1-160**	
NDI	XI	02 21 31 47.3–2.7	24.96N	94.98E	12–17	4.5b,4.4L		¶601869333
ISCJB	XI	02 21 31 48.0–.28	24.94N–.02	94.90E–.02	109–3	4.2b,4.4L		
NEIC	XI	02 21 31 48.6–.56	24.89N	95.09E	106–6	4.5b,4.4L		
BJI	XI	02 21 31 48.1	25.15N	95.03E	81	4.7b,4.4b		
IDC	XI	02 21 31 48.6–.67	24.80N	95.11E	111–6	4.2,4.0		
ISC	Event type se.							
NDI	Error ellipse: s-maj=7.4km s-min=13.7km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=35.0.							
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=51.0.							
IDC	Error ellipse: s-maj=11.5km s-min=9.6km az=58.0.							
ISC	**XI**	**10 06 09 54.2–1.1**	**23.2N–.10**	**93.8E–.10**	**150**	**3.7b**	**27 2-66**	
ISCJB	XI	10 06 09 51.8–.74	23.22N–.09	93.95E–.07	150	3.7b		¶602081148
IDC	XI	10 06 09 53.4–4.5	23.00N	94.04E	145–47	3.9,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.0km s-min=6.7km az=31.1.							
IDC	Error ellipse: s-maj=68.1km s-min=16.3km az=56.0.							
ISC	**XI**	**14 21 59 15.5–1.1**	**24.78N–.05**	**94.79E–.10**	**91–14**	**3.6b**	**16 1-61**	
ISCJB	XI	14 21 59 14.5–.68	24.80N–.05	94.72E–.09	119–11	3.4b		¶602389410
IDC	XI	14 21 59 17.6–4.2	24.48N	94.62E	116–38	3.4,3.3		
NDI	XI	14 21 59 18.1–2.6	24.79N	94.65E	31–26	3.0L,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.5km s-min=8.2km az=8.2.							
IDC	Error ellipse: s-maj=193.8km s-min=24.0km az=60.0.							
NDI	Error ellipse: s-maj=7.7km s-min=17.5km az=-1.0.							
ISC	**XI**	**19 18 39 06.8–1.3**	**24.7N–.30**	**94.9E–.20**	**10**	**3.4b**	**5 3-61**	
ISCJB	XI	19 18 39 05.1–1.0	24.6N–.20	94.9E–.20	10	3.7s,3.2b		¶602389689
IDC	XI	19 18 39 06.5–2.3	25.15N	95.90E	0	3.8s,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=41.6km s-min=13.7km az=44.4.							
IDC	Error ellipse: s-maj=212.4km s-min=25.2km az=61.0.							
ISC	**XI**	**21 15 34 25.8–1.0**	**23.94N–.05**	**94.20E–.10**	**76–11**	**3.5b**	**19 1-61**	
ISCJB	XI	21 15 34 24.5–.58	23.93N–.04	94.27E–.08	86–7	3.5b		¶602389792
IDC	XI	21 15 34 26.2–4.1	23.94N	94.46E	78–38	3.5,3.5L		
NDI	XI	21 15 34 27.4–2.2	23.97N	94.09E	33–21	3.3L,3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.3km s-min=6.6km az=174.6.							
IDC	Error ellipse: s-maj=65.2km s-min=15.7km az=63.0.							
NDI	Error ellipse: s-maj=6.5km s-min=14.1km az=-1.0.							
IDC	**XI**	**25 11 29 33.8–4.1**	**25.24N**	**94.50E**	**0**	**3.5,3.2**		**¶602389967**
IDC	Error ellipse: s-maj=366.6km s-min=30.4km az=60.0.							
ISC	**XI**	**25 18 58 42.9–1.0**	**25.08N–.05**	**95.26E–.07**	**119–10**	**3.5b**	**25 1-66**	
ISCJB	XI	25 18 58 41.9–.60	25.09N–.04	95.24E–.06	127–6	3.5b		¶602389986
IDC	XI	25 18 58 43.1–2.7	24.97N	95.30E	124–28	3.6,3.4		
NDI	XI	25 18 58 43.2–3.3	25.07N	95.26E	17–22	3.7L,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.5km s-min=6.2km az=17.9.							
IDC	Error ellipse: s-maj=25.5km s-min=15.3km az=51.0.							
NDI	Error ellipse: s-maj=9.8km s-min=16.8km az=-1.0.							
ISC	**XI**	**30 03 52 23.3–.60**	**25.76N–.04**	**95.73E–.05**	**121–5**	**4.1b**	**94 1-148**	
NEIC	XI	30 03 52 20.7–1.4	25.68N	96.00E	97–15	4.4b		¶601995356
ISCJB	XI	30 03 52 21.9–.43	25.75N–.03	95.74E–.04	120–4	4.1b		
BJI	XI	30 03 52 21.6	25.90N	95.68E	100	4.7b,4.6b		
NDI	XI	30 03 52 23.7–2.7	25.75N	95.67E	20	4.4b,4.4L		
IDC	XI	30 03 52 23.9–.65	25.67N	95.75E	126–6	4.1,3.9		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=17.7km s-min=8.0km az=67.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=21.1.							
NDI	Error ellipse: s-maj=6.0km s-min=9.3km az=-1.0.							
IDC	Error ellipse: s-maj=12.8km s-min=9.4km az=75.0.							
ISC	**XI**	**30 04 59 20.3–1.2**	**24.54N–.05**	**94.66E–.08**	**110–9**	**3.6b**	**28 1-66**	
NDI	XI	30 04 59 18.8–3.3	24.49N	94.69E	18–20	3.5L		¶602390220
IDC	XI	30 04 59 18.1–3.8	23.99N	95.06E	128–59	4.4s,4.4		
ISCJB	XI	30 04 59 19.3–.81	24.56N–.04	94.61E–.06	119–6	3.8b,4.4		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**05 08 05 02.9–.83**	**25.09N–.04**	**94.94E–.06**	**100–7**	**4.2b**	**108 1-76**	
ISCJB	XII	05 08 05 01.7–.32	25.04N–.03	94.90E–.03	104–3	4.1b		¶601996073
NDI	XII	05 08 05 02.5–3.0	25.08N	95.08E	85	4.2b,4.2L		
IDC	XII	05 08 05 03.0–1.9	24.94N	95.07E	106–19	4.1,3.9		
BJI	XII	05 08 05 02.2	25.10N	95.50E	116	4.6b,4.5b		
NEIC	XII	05 08 05 03.3–.52	25.02N	95.09E	105–6	4.2b,4.5b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=135.8.							
NDI	Error ellipse: s-maj=7.8km s-min=15.7km az=-1.0.							
IDC	Error ellipse: s-maj=18.6km s-min=11.4km az=65.0.							
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=4.4km az=53.0.							
IDC	**XII**	**05 10 31 58.7–1.2**	**22.34N**	**93.47E**	**0**	**3.6,3.4**		**¶602390495**
IDC	Error ellipse: s-maj=38.6km s-min=13.0km az=21.0.							
ISC	**XII**	**06 13 25 19.9–1.0**	**24.7N–.20**	**94.7E–.10**	**100**	**3.1b**	**6 3-59**	
IDC	XII	06 13 25 09.7–2.4	24.82N	95.01E	0	3.5,3.3		¶602390555
ISCJB	XII	06 13 25 18.5–.93	24.7N–.10	94.7E–.10	100	3.2b,3.3		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**11 07 19 04.6–.92**	**23.24N–.04**	**93.83E–.04**	**62–8**	**4.3b**	**99 1-145**	
ISCJB	XII	11 07 19 03.1–.41	23.20N–.03	93.90E–.03	67–4	4.2b		¶602043032
NDI	XII	11 07 19 03.4–2.7	23.25N	93.84E	24–13	4.2b,4.2L		
NEIC	XII	11 07 19 04.9–.50	23.19N	93.89E	68–5	4.2b,4.2L		
IDC	XII	11 07 19 04.4–2.2	23.17N	93.90E	64–21	4.4s,4.4		
BJI	XII	11 07 19 09.8	23.81N	93.92E	77	4.4b,4.4b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.2km s-min=4.6km az=165.1.							
NDI	Error ellipse: s-maj=9.1km s-min=8.8km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=4.0km az=51.0.							
IDC	Error ellipse: s-maj=18.0km s-min=12.1km az=46.0.							
ISC	**XII**	**11 23 08 34.2–1.3**	**24.75N–.06**	**94.61E–.09**	**113–13**	**3.4b**	**15 1-59**	
IDC	XII	11 23 08 34.7–3.7	24.60N	95.09E	136–44	3.5,3.2		¶602391128
ISCJB	XII	11 23 08 35.4–1.0	24.81N–.05	94.41E–.09	120–8	3.3b,3.2		
NDI	XII	11 23 08 38.3–2.1	24.73N	94.14E	10	2.9L,3.2		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=114.7km s-min=22.2km az=59.0.							
ISCJB	Event type ke. Error ellipse: s-maj=13.1km s-min=8.5km az=12.6.							
NDI	Error ellipse: s-maj=5.4km s-min=9.0km az=-1.0.							
ISC	**XII**	**12 02 58 35.9–.92**	**24.4N–.10**	**94.90E–.09**	**112**	**3.8b**	**9 3-66**	
ISCJB	XII	12 02 58 34.0–.74	24.41N–.09	94.96E–.09	112	3.8b		¶602391144
IDC	XII	12 02 58 37.5–3.0	24.28N	94.84E	132–32	3.9,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.9km s-min=11.2km az=148.3.							
IDC	Error ellipse: s-maj=32.2km s-min=14.1km az=51.0.							
NDI	**XII**	**21 07 59 46.4–3.1**	**25.64N**	**94.05E**	**15–33**	**3.6L**		**¶606595041**
NDI	Error ellipse: s-maj=13.8km s-min=18.3km az=-1.0.							
IDC	**XII**	**21 17 31 43.6–3.1**	**23.72N**	**93.89E**	**46–34**	**3.4,3.4**		**¶602391817**
IDC	Error ellipse: s-maj=28.4km s-min=20.3km az=33.0.							
ISC	**XII**	**26 15 14 45.6–.91**	**22.56N–.07**	**93.54E–.06**	**10**	**3.9b**	**25 1-81**	
ISCJB	XII	26 15 14 43.3–.72	22.48N–.05	93.67E–.04	10	3.7b		¶602380648
NDI	XII	26 15 14 47.1–2.2	22.50N	93.52E	19–12	3.8L		
IDC	XII	26 15 14 51.1–2.4	22.48N	93.44E	67–28	3.8,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=160.2.							
NDI	Error ellipse: s-maj=18.0km s-min=9.4km az=-1.0.							

IDC Error ellipse: s-maj=28.1km s-min=15.0km az=51.0.
ISC XII 28 16 00 36.7–1.0 25.01N–.06 95.00E–.10 104 3.4b 16 1-61
ISCJB XII 28 16 00 35.3–.59 24.99N–.05 95.04E–.07 104 3.3b **¶602380791**
NDI XII 28 16 00 36.1–2.7 25.00N 95.03E 20 2.7L
IDC XII 28 16 00 38.2–3.8 24.96N 95.34E 109–38 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.4km az=151.8.
NDI Error ellipse: s-maj=8.1km s-min=23.7km az=-1.0.
IDC Error ellipse: s-maj=92.5km s-min=20.7km az=60.0.
ISC XII 31 11 08 08.5–2.0 25.3N–.40 94.6E–.60 10 5 8-59
IDC XII 31 11 08 08.3–1.9 25.79N 95.83E 0 3.8L,3.5 **¶602380486**
ISC Event type ke.
IDC Error ellipse: s-maj=114.8km s-min=25.0km az=69.0.

(296) Myanmar.
IDC VII 04 19 27 09.0–3.0 22.43N 94.17E 51–36 3.6L,3.3
¶601663488
IDC Error ellipse: s-maj=40.3km s-min=17.2km az=28.0.
IDC VII 08 10 56 26.9–1.5 18.20N 95.49E 0 3.4,3.3b
¶601664285
IDC Error ellipse: s-maj=27.9km s-min=21.5km az=33.0.
ISC VII 09 20 13 07.0–.27 25.33N–.03 96.48E–.03 25 5.0b,4.6s 621 2-161
IDC VII 09 20 13 02.3–.37 25.32N 96.57E 0 4.7,4.6L **¶601254206**
BJI VII 09 20 13 02.6 25.42N 96.51E 10 5.3s,5.0
ISCJB VII 09 20 13 04.9–.11 25.32N–.02 96.45E–.02 25 4.9b,4.6s
NDI VII 09 20 13 05.3–3.0 25.30N 96.64E 30 5.1b,5.1L
MOS VII 09 20 13 05.6–1.1 25.29N 96.49E 33 5.2b,4.6s
GCMT VII 09 20 13 07.4–.10 25.29N 96.66E 12 5.1W,4.6s
NEIC VII 09 20 13 07.4–1.7 25.35N 96.53E 31–12 5.1b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=10.8km s-min=8.0km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=17.7.
NDI Error ellipse: s-maj=9.1km s-min=14.4km az=-1.0.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=119.8.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s55,c70; s115,c197; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.21±.12 $M_{\theta\theta}$6.73±.09; $M_{\phi\phi}$-5.52±.10; $M_{r\theta}$-0.23±.28; $M_{\theta\phi}$1.27±.10; $M_{\phi r}$0.81±.30; Best double couple: NP1:ϕ_s129.00000°,δ84.00000°,λ-8.00000°. NP2:ϕ_s220.00000°,δ82.00000°,λ-173.00000°. Principal axes: T 6.8630,Plg1.0000°,Azm174.0000°; N -1.0640,Plg80.0000°,Azm270.0000°; P -5.7990,Plg10.0000°,Azm84.0000° $M_0$6.33100×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=209.0.
ISC VII 09 23 14 06.9–1.2 25.51N–.09 96.20E–.08 100 3.4b 17 2-61
IDC VII 09 23 13 54.2–3.2 24.54N 94.96E 0 3.6,3.5b **¶601664358**
ISCJB VII 09 23 14 04.6–.88 25.45N–.07 96.23E–.06 100 3.3b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 23 16 10.9–.43 25.38N–.05 96.48E–.04 25 4.3b,3.5s 113 2-78
IDC VII 16 23 16 06.8–.66 25.47N 96.65E 0 4.1b,4.1 **¶601352359**
ISCJB VII 16 23 16 08.9–.38 25.37N–.05 96.51E–.03 25 4.2b,3.5s
MOS VII 16 23 16 09.8–1.0 25.44N 96.65E 33 4.4b,3.5s
NEIC VII 16 23 16 13.0–1.0 25.44N 96.55E 41–11 4.4b,3.5s
BJI VII 16 23 16 26.5 26.71N 95.90E 51 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=12.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=174.9.
MOS Error ellipse: s-maj=11.1km s-min=6.1km az=111.4.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.2km az=222.0.
ISC VII 22 02 11 12.8–.46 25.00N–.03 96.38E–.03 24–3 5.0b,4.4s 659 3-163
IDC VII 22 02 11 08.4–.44 25.01N 96.48E 0 5.1L,4.9 **¶601456918**
ISCJB VII 22 02 11 09.4–.70 24.99N–.02 96.38E–.02 16–5 5.0b,4.4s
BJI VII 22 02 11 09.2 24.98N 96.48E 8 5.2L,5.1b
NDI VII 22 02 11 10.1–3.0 25.01N 96.58E 23 5.1b,5.1L
MOS VII 22 02 11 11.7–.97 24.94N 96.44E 35 5.2b,4.4s
NEIC VII 22 02 11 12.2–1.4 25.00N 96.43E 23–10 5.1b,4.4s
GCMT VII 22 02 11 12.2–.20 24.86N 96.43E 18–0 5.1W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=10.7km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=9.6.
NDI Error ellipse: s-maj=9.4km s-min=16.2km az=-1.0.
MOS Error ellipse: s-maj=6.7km s-min=3.4km az=123.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=225.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s54,c71; s112,c205; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.12 $M_{\theta\theta}$1.27±.10; $M_{\phi\phi}$-1.12±.11; $M_{r\theta}$-0.57±.25; $M_{\theta\phi}$5.42±.10; $M_{\phi r}$1.41±.27; Best double couple: NP1:ϕ_s187.00000°,δ83.00000°,λ-167.00000°. NP2:ϕ_s95.00000°,δ77.00000°,λ-7.00000°. Principal axes: T 5.6590,Plg4.0000°,Azm321.0000°; N 0.1910,Plg75.0000°,Azm214.0000°; P -5.8500,Plg14.0000°,Azm52.0000° $M_0$5.75400×10^{16}
ISC VII 22 03 08 47.2–.93 24.9N–.10 96.8E–.30 10 4.0b 14 6-50
ISCJB VII 22 03 08 43.6–.65 24.81N–.09 96.9E–.30 10 4.0b **¶601484393**
IDC VII 22 03 08 47.1–1.4 25.15N 96.79E 0 4.3L,4.0
NEIC VII 22 03 08 48.1–.62 25.06N 96.73E 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.5km s-min=6.0km az=160.2.
IDC Error ellipse: s-maj=85.1km s-min=18.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=9.0km az=68.0.
ISC VII 29 02 21 12.9–.26 22.93N–.02 94.28E–.02 81–1 5.7b 2143 2-166
BJI VII 29 02 21 09.6 22.96N 94.24E 60 5.7b,5.7b **¶601484809**
ISCJB VII 29 02 21 10.0–.25 22.91N–.01 94.23E–.01 67–2 5.6b,5.7b
MOS VII 29 02 21 11.4–1.0 22.91N 94.36E 83 5.8b,5.0s
NEIC VII 29 02 21 12.6–.39 22.94N 94.30E 75–3 5.8b,5.7W
GCMT VII 29 02 21 12.6–.10 22.83N 94.32E 72–0 5.8W,5.7W
IDC VII 29 02 21 13.9–.66 22.95N 94.42E 85–4 5.5,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=39.2.
MOS Error ellipse: s-maj=6.0km s-min=3.2km az=123.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=215.0. Felt [III] at Mandalay. Also felt at Falam, Pakokku and Shwebo. Felt [III] at Manipur, India. Also felt at Guwahati, Kolkata and Shillong. Felt at Chittagong and Dhaka, Bangladesh. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-2.16 $M_{\phi\phi}$2.82 $M_{r\theta}$-2.22 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s71.00000°,δ83.00000°,λ-27.00000°. NP2:ϕ_s165.00000°,δ63.00000°,λ-173.00000°. Principal axes: T 5.1300,Plg14.0000°,Azm121.0000°; N -0.1900,Plg62.0000°,Azm238.0000°; P -4.9400,Plg24.0000°,Azm25.0000° $M_0$5.00000×10^{17}
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s122,c214; s136,c353;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.38±.05 $M_{\theta\theta}$-0.97±.05; $M_{\phi\phi}$1.35±.05; $M_{r\theta}$-2.33±.04; $M_{\theta\phi}$4.79±.05; $M_{\phi r}$0.08±.04; Best double couple: NP1:ϕ_s82.00000°,δ85.00000°,λ-25.00000°. NP2:ϕ_s174.00000°,δ65.00000°,λ-175.00000°. Principal axes: T 5.4640,Plg14.0000°,Azm131.0000°; N -0.0010,Plg64.0000°,Azm252.0000°; P -5.4590,Plg21.0000°,Azm35.0000° $M_0$5.46200×10^{17}
IDC Error ellipse: s-maj=7.9km s-min=5.4km az=45.0.
ISC VII 30 08 30 43.8–1.4 17.6N–.20 94.1E–.20 28 3.8b 10 5-93
IDC VII 30 08 30 39.4–1.5 17.54N 94.00E 0 4.4L,3.9 **¶601650764**
ISCJB VII 30 08 30 41.5–1.0 17.6N–.10 94.0E–.10 28 3.7b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 30 16 56 43.8–1.9 24.9N–.30 95.3E–.50 10 3.4b 5 3-61
ISCJB VII 30 16 56 41.6–1.4 24.7N–.20 95.2E–.40 10 3.2b **¶601650777**
IDC VII 30 16 56 42.5–1.5 24.89N 95.34E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=59.5km s-min=18.0km az=154.7.
IDC Error ellipse: s-maj=77.4km s-min=16.6km az=65.0.
ISC VIII 01 21 58 38.1–.32 25.99N–.04 96.27E–.04 35 4.6b,3.4s 246 2-162
IDC VIII 01 21 58 32.9–.41 26.00N 96.25E 0 4.4,4.3L **¶601503287**
MOS VIII 01 21 58 35.9–1.1 26.04N 96.32E 33 4.8b,4.3L
ISCJB VIII 01 21 58 36.1–.18 26.05N–.02 96.27E–.02 33 4.5b,3.5s
BJI VIII 01 21 58 37.6 26.16N 96.25E 42 4.8b,4.5b
NEIC VIII 01 21 58 38.9–.64 26.06N 96.31E 44–6 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=9.5km az=56.0.
MOS Error ellipse: s-maj=9.8km s-min=4.6km az=120.7.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=171.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=55.0.
ISC VIII 02 19 06 10.8–.25 26.13N–.03 96.24E–.03 35 5.0b,4.0s 526 2-162
NDI VIII 02 19 06 05.7–3.3 26.36N 96.57E 15–64 5.1b,5.0L **¶601513193**
MOS VIII 02 19 06 08.3–.98 26.08N 96.31E 33 5.3b,4.1s
ISCJB VIII 02 19 06 08.8–.12 26.15N–.02 96.29E–.02 33 4.9b,4.0s
BJI VIII 02 19 06 10.0 26.21N 96.29E 45 5.0b,5.0L
IDC VIII 02 19 06 12.6–2.0 26.16N 96.41E 56–18 4.7,4.5L
NEIC VIII 02 19 06 12.7–.48 26.10N 96.32E 56–4 5.1b,4.5L
ISC Event type se.
NDI Error ellipse: s-maj=21.8km s-min=68.1km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=3.8km az=120.2.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=3.0.
IDC Error ellipse: s-maj=10.4km s-min=7.8km az=48.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=46.0.
ISC VIII 05 15 35 43.2–.63 20.75N–.08 94.09E–.07 52 3.9b 49 2-153
ISCJB VIII 05 15 35 42.3–.46 20.84N–.05 94.22E–.06 52 3.9b **¶601765499**
IDC VIII 05 15 35 46.1–3.9 20.78N 94.33E 78–33 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=3.7km az=137.9.
IDC Error ellipse: s-maj=50.0km s-min=11.6km az=55.0.
ISC VIII 06 04 01 56.5–.66 21.81N–.06 94.53E–.06 150 4.0b 71 2-144
IDC VIII 06 04 01 53.1–1.9 21.67N 94.87E 126–17 4.1,3.8 **¶601765534**
ISCJB VIII 06 04 01 56.0–.51 21.91N–.04 94.54E–.04 150 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 17 20 34 35.8–1.0 20.7N–.10 97.5E–.20 10 3.5b 15 2-69
ISCJB VIII 17 20 34 33.8–.82 20.6N–.10 97.4E–.20 10 3.6b **¶601766014**
IDC VIII 17 20 34 33.5–1.6 20.39N 97.01E 0 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.2km s-min=8.0km az=143.3.
IDC Error ellipse: s-maj=115.6km s-min=13.2km az=54.0.
ISC VIII 18 04 01 58.1–.58 20.89N–.10 97.6E–.10 10 4.0b 33 2-92
ISCJB VIII 18 04 01 56.3–.37 20.80N–.09 97.5E–.10 10 4.0b,3.6s **¶601652994**
IDC VIII 18 04 01 56.8–.64 20.71N 97.18E 0 4.1,4.0b
NEIC VIII 18 04 01 58.4–.44 20.73N 97.26E 10 4.1b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=5.1km az=143.5.
IDC Error ellipse: s-maj=40.0km s-min=12.6km az=54.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=8.2km az=53.0.
ISC VIII 23 15 51 32.7–1.2 26.31N–.08 96.99E–.09 10 3.4b 15 2-61
NDI VIII 23 15 51 31.3–2.5 26.50N 97.19E 20 2.8L **¶601625874**
IDC VIII 23 15 51 31.6–2.7 26.82N 98.06E 0 3.6,3.3
ISC Event type ke.
NDI Error ellipse: s-maj=12.3km s-min=18.1km az=-1.0.
IDC Error ellipse: s-maj=393.1km s-min=27.3km az=57.0.
NDI VIII 28 21 14 38.5–2.0 25.02N 96.64E 30 3.1L
¶606722549
NDI Error ellipse: s-maj=13.4km s-min=13.0km az=-1.0.
ISC VIII 31 19 10 07.1–.62 24.99N–.05 96.55E–.06 10 3.9b 45 2-60
ISCJB VIII 31 19 10 06.3–.42 25.01N–.05 96.57E–.06 10 4.3s,4.1b **¶601755785**
NDI VIII 31 19 10 06.8–2.9 24.95N 96.59E 10 3.5L,4.1b
IDC VIII 31 19 10 06.7–1.1 25.16N 96.68E 0 4.4L,4.3
NEIC VIII 31 19 10 10.9–.33 25.18N 96.90E 35 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.0km az=139.0.
NDI Error ellipse: s-maj=10.4km s-min=17.5km az=-1.0.
IDC Error ellipse: s-maj=54.7km s-min=15.0km az=66.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.7km az=65.0.
ISC IX 08 11 36 43.3–1.4 17.4N–.30 94.98E–.10 35 3.8b 9 4-86
IDC IX 08 11 36 38.2–1.6 17.37N 94.84E 0 4.1L,4.0 **¶601863164**
ISCJB IX 08 11 36 41.8–1.2 17.5N–.20 94.98E–.07 33 3.7b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 22 19 27 33.0–.93 25.59N–.08 96.87E–.09 10 3.7b,2.9s 21 2-66
NDI IX 22 19 27 28.2–2.2 25.86N 97.52E 30 3.7L,2.9s **¶601864008**
ISCJB IX 22 19 27 30.9–.75 25.64N–.08 97.01E–.06 10 3.6b,3.0s
IDC IX 22 19 27 31.5–1.0 25.63N 96.91E 0 3.7,3.7L
ISC Event type ke.
NDI Error ellipse: s-maj=19.1km s-min=15.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.5km az=25.1.
IDC Error ellipse: s-maj=50.3km s-min=16.6km az=59.0.
ISC IX 22 20 42 46.4–.33 25.48N–.04 96.68E–.03 25 4.5b,3.9s 214 2-99
IDC IX 22 20 42 42.3–.54 25.50N 96.64E 0 4.4L,4.1 **¶601737031**
ISCJB IX 22 20 42 44.7–.17 25.48N–.02 96.67E–.02 25 4.5b,3.9s
BJI IX 22 20 42 46.4 25.70N 96.75E 26 4.6b,4.6L
MOS IX 22 20 42 46.2–1.3 25.48N 96.76E 41 4.6b,4.6L
GCMT IX 22 20 42 47.2–.30 25.49N–.02 96.89E–.02 15 4.7W,4.6L
NEIC IX 22 20 42 48.2–.63 25.46N 96.68E 43–7 4.6b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=11.5km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=19.8.
MOS Error ellipse: s-maj=9.7km s-min=5.6km az=122.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c9; s65,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.06 $M_{\theta\theta}$1.20±.05; $M_{\phi\phi}$-1.04±.05; $M_{r\theta}$-0.39±.18; $M_{\theta\phi}$0.44±.05; $M_{\phi r}$0.71±.19; Best double couple: NP1:ϕ_s122.00000°,δ78.00000°,λ-30.00000°. NP2:ϕ_s218.00000°,δ61.00000°,λ-166.00000°. Principal axes: T 1.3350,Plg11.0000°,Azm173.0000°; N 0.2210,Plg58.0000°,Azm282.0000°; P -1.5530,Plg29.0000°,Azm76.0000° $M_0$1.44400×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=216.0.
ISC IX 29 02 43 30.9–1.1 21.9N–.20 94.4E–.10 97 3.8b 12 3-71
ISCJB IX 29 02 43 29.3–.90 21.8N–.20 94.4E–.10 97 3.8b **¶601857477**
IDC IX 29 02 43 29.6–2.4 21.91N 94.43E 74–24 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=10.1km az=23.7.
IDC Error ellipse: s-maj=48.8km s-min=18.3km az=24.0.
ISC X 04 13 24 37.6–1.1 19.0N–.10 95.6E–.10 13 4.0b 23 3-65
IDC X 04 13 24 36.0–3.3 19.11N 95.75E 0 4.0,4.0 **¶601997035**
ISCJB X 04 13 24 36.7–1.7 19.1N–.30 95.6E–.10 13 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 10 05 29 57.3–1.5 26.12N–.05 96.45E–.09 58–14 4.0b,3.0s 45 1-77
IDC X 10 05 29 49.9–.79 26.11N 96.36E 0 4.0,4.0L **¶601874139**
NDI X 10 05 29 52.0–1.8 26.16N 96.65E 10 3.4L,4.0L
ISCJB X 10 05 29 55.6–.93 26.07N–.04 96.50E–.07 60–8 4.0b,4.0L
NEIC X 10 05 29 56.7–.85 26.06N 96.37E 53–9 4.2b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=15.5km az=58.0.
NDI Error ellipse: s-maj=5.1km s-min=11.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.9km az=179.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=53.0.
ISC X 11 23 27 47.4–.86 25.37N–.08 96.15E–.10 10 3.6b 25 4-61
ISCJB X 11 23 27 44.8–.71 25.37N–.10 96.14E–.08 10 3.5b **¶601997938**
IDC X 11 23 27 45.0–1.3 25.29N 95.89E 0 3.7,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.3km az=28.8.
IDC Error ellipse: s-maj=71.6km s-min=15.0km az=67.0.
ISC X 13 11 20 34.4–1.1 24.93N–.05 95.16E–.09 104–10 3.6b 26 1-66
ISCJB X 13 11 20 33.8–.67 24.93N–.04 95.09E–.07 114–7 3.6b **¶601998107**
NDI X 13 11 20 36.4–2.6 24.91N 95.15E 50 3.2L
IDC X 13 11 20 37.1–3.2 24.72N 95.05E 135–33 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.7km az=7.1.
NDI Error ellipse: s-maj=7.0km s-min=14.3km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=14.8km az=46.0.
ISC X 15 15 46 36.0–.91 21.39N–.07 93.64E–.07 49 3.5b 29 1-82
ISCJB X 15 15 46 35.7–.69 21.48N–.05 93.79E–.07 49 3.5b **¶601998353**
NDI X 15 15 46 35.9–2.0 21.46N 93.59E 10 3.8L

IDC X 15 15 46 38.8–1.3 21.30N 93.74E 82–15 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=4.3km az=145.1.
NDI Error ellipse: s-maj=10.6km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=9.8km az=42.0.
ISC X 22 01 28 06.6–.54 20.97N–.06 93.05E–.06 35 4.0b 67 2-87
ISCJB X 22 01 28 04.7–.41 20.89N–.05 92.86E–.05 33 3.6b **¶601999230**
IDC X 22 01 28 06.2–.75 20.87N 93.10E 33–5 4.0L,3.7
NDI X 22 01 28 07.3–2.6 20.88N 92.84E 39–205 3.7L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.4km az=42.5.
IDC Error ellipse: s-maj=31.0km s-min=12.5km az=61.0.
NDI Error ellipse: s-maj=148.8km s-min=33.9km az=-1.0.
ISC X 26 04 42 32.0–.80 25.02N–.06 96.42E–.07 21 3.7b 40 2-89
IDC X 26 04 42 28.4–1.0 24.74N 96.11E 0 3.9,3.8b **¶601879532**
ISCJB X 26 04 42 29.6–.51 25.04N–.05 96.50E–.05 21 3.8b,3.8b
NEIC X 26 04 42 30.5–.44 24.87N 96.12E 10 4.0b,3.8b
NDI X 26 04 42 31.1–2.1 25.01N 96.55E 10 3.3L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=21.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=33.7.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=7.7km az=60.0.
NDI Error ellipse: s-maj=8.4km s-min=14.0km az=-1.0.
ISC X 28 11 04 14.4–.45 22.99N–.04 94.52E–.05 105 4.2b 128 2-154
BJI X 28 11 03 58.6 21.92N 95.28E 54 4.8b,4.5b **¶601853318**
ISCJB X 28 11 04 13.0–.26 22.99N–.03 94.59E–.04 105 4.3b,4.5b
IDC X 28 11 04 14.7–.69 22.88N 94.58E 106–7 4.2,4.0
NEIC X 28 11 04 14.7–.46 23.01N 94.68E 104–4 4.3b,4.0
NDI X 28 11 04 17.4–2.6 23.18N 94.27E 15–16 3.8L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.7km az=144.6.
IDC Error ellipse: s-maj=14.8km s-min=8.8km az=24.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=51.0.
NDI Error ellipse: s-maj=10.6km s-min=14.3km az=-1.0.
ISC XI 06 16 27 31.4–1.4 24.9N–.30 96.0E–.10 23 3.4b 5 4-61
IDC XI 06 16 27 24.8–4.6 24.05N 94.41E 0 3.4,3.2 **¶602388920**
ISCJB XI 06 16 27 28.6–1.2 24.8N–.20 95.9E–.10 23 3.3b,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 01 12 39.2–.36 22.89N–.02 95.85E–.02 14–2 6.7s,6.1b 1771 3-167
IDC XI 11 01 12 36.6–.28 23.08N 95.81E 0 6.5s,6.5 **¶601885134**
BJI XI 11 01 12 36.9 22.88N 95.91E 10 7.0,7.0s
NEIC XI 11 01 12 38.0–.00 23.03N 95.71E 13 7.0,7.0s
ISCJB XI 11 01 12 38.8–.08 22.99N–.01 95.86E–.01 24 6.7s,6.0b
NEIC XI 11 01 12 38.9–.59 23.01N 95.89E 14–3 7.1,6.8W
MOS XI 11 01 12 38.5–1.0 22.93N 95.85E 27 6.6s,6.2b
NDI XI 11 01 12 39.1–2.9 23.04N 95.91E 14 6.3b,6.3b
GCMT XI 11 01 12 54.9–.00 22.73N 96.03E 17–0 6.8W,6.3b
NEIC XI 11 01 13 07.4–.00 22.76N 95.71E 10 6.8W,6.3b
ISC Event type de.
IDC Error ellipse: s-maj=8.3km s-min=6.9km az=59.0.
NEIC Event type se. Moment Tensor Solution. s45 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.02 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.89 $M_{\theta\phi}$2.09 $M_{\phi r}$-0.22 Best double couple: NP1:ϕ_s271.00000° ,δ86.00000°,λ-23.00000°. NP2:ϕ_s3.00000°,δ67.00000°,λ-176.00000°. Principal axes: T 2.2200,Plg13.0000°,Azm319.0000°; N 0.1200,Plg66.0000°,Azm83.0000° ; P -2.3500,Plg18.0000°,Azm224.0000° $M_0$2.30000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=2.2km s-min=1.5km az=36.2.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.6km az=220.0. At least 26 people killed, 230 injured, 251 homes destroyed, 207 buildings damaged, a bridge and mines collapsed and landslides occurred in the Shwebo area. Felt [VII] at Shwebo and [III] at Male and Mandalay. Also felt at Mogok, Pyinmana, Rangoon and Taunggyi. Felt [IV] at Mae Hong Son; [III] at Bangkok, Khlong Toei and Wang Thonglang; [II] at Ban Pa Lan and Chiang Mai, Thailand. Felt widely in northern Thailand. Also felt at Kunming, China and at Aizawl, Dibrugarh and Kohima, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s106.00000°,δ85.00000°,λ10.00000°. NP2: ϕ_s15.00000°,δ80.00000°,λ175.00000°. Principal axes: T Plg11.0000°,Azm331.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm240.0000°
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=117.7.
NDI Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c374; s147,c675; Duration: 6±5 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.08±.01; $M_{r\theta}$1.36±.04; $M_{\theta\phi}$1.93±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s91.00000°,δ88.00000° ,λ35.00000°. NP2:ϕ_s0.00000°,δ55.00000°,λ178.00000°. Principal axes: T 2.4740,Plg25.0000°,Azm321.0000°; N -0.2220,Plg55.0000°,Azm94.0000° ; P -2.2510,Plg23.0000°,Azm220.0000° $M_0$2.36300×10^{19}
NEIC Event type se. Moment Tensor Solution. s146 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.02 $M_{r\theta}$0.11 $M_{\theta\phi}$1.92 $M_{\phi r}$-0.55 Best double couple: NP1:ϕ_s271.00000° ,δ74.00000°,λ-5.00000°. NP2:ϕ_s2.00000°,δ85.00000°,λ-164.00000°. Principal axes: T 2.0600,Plg8.0000°,Azm135.0000°; N -0.1100,Plg73.0000°,Azm19.0000° ; P -1.9600,Plg15.0000°,Azm227.0000° $M_0$2.00000×10^{19}
IDC XI 11 01 19 44.9–1.6 20.98N 96.35E 0 4.8,4.7
¶602389190
IDC Error ellipse: s-maj=28.2km s-min=18.3km az=58.0.
ISC XI 11 01 21 19.1–.45 22.99N–.07 96.11E–.06 32 4.8b 57 4-151
IDC XI 11 01 21 14.0–.62 22.87N 95.89E 0 6.3,6.3s **¶601991681**
ISCJB XI 11 01 21 16.6–.31 22.83N–.05 95.99E–.06 32 6.2s,4.6b
NEIC XI 11 01 21 16.5–3.1 22.81N 95.93E 18–20 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=12.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.6km az=53.0.
IDC XI 11 01 26 39.3–1.4 23.29N 96.30E 0 4.3L,4.0
¶602389191
IDC Error ellipse: s-maj=43.4km s-min=18.0km az=62.0.
ISC XI 11 01 30 02.5–.29 22.85N–.03 95.83E–.03 32 4.8b 222 3-151
BJI XI 11 01 29 58.0 22.80N 95.90E 13 5.2L,5.0b **¶601883761**
NEIC XI 11 01 29 58.7–.18 22.79N 95.92E 10 4.8b,5.0b
IDC XI 11 01 29 59.9–3.0 22.81N 95.93E 19–19 4.7L,4.4
NDI XI 11 01 29 59.6–3.1 22.75N 95.91E 19–27 4.8b,4.8b
MOS XI 11 01 29 59.4–.88 22.77N 95.91E 29 5.1b,4.8b
ISCJB XI 11 01 30 00.4–.18 22.84N–.02 95.84E–.02 32 6.4s,4.7b
ISC Event type fe.
NEIC Event type fe. Felt at Shwebo.
ISCJB Event type fe.
ISC XI 11 01 31 49.5–.68 23.4N–.10 95.98E–.10 35 4.2b 45 4-65
IDC XI 11 01 31 44.8–.98 23.40N 96.03E 0 4.2,4.1 **¶601883923**
ISCJB XI 11 01 31 47.4–.42 23.31N–.07 95.94E–.08 33 4.2b,4.1
NEIC XI 11 01 31 47.6–3.5 23.36N 95.96E 20–25 4.3b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=15.9km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=7.0km az=137.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.3km az=48.0.
ISC XI 11 01 32 27.2–.31 22.72N–.04 95.85E–.04 10 4.8b 188 3-151
BJI XI 11 01 32 24.3 22.58N 95.82E 9 5.1b,5.1L **¶602389192**
IDC XI 11 01 32 25.4–.45 22.74N 95.81E 0 5.7s,5.7
ISCJB XI 11 01 32 25.4–.21 22.67N–.03 95.84E–.02 10 5.7s,4.7b
NDI XI 11 01 32 27.3–3.0 22.65N 95.89E 14 4.9b,4.9b
MOS XI 11 01 32 27.7–.94 22.72N 95.85E 29 4.8b,4.9b
NEIC XI 11 01 32 27.6–2.1 22.68N 95.84E 14–13 4.9b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=29.0.
NDI Error ellipse: s-maj=9.0km s-min=15.8km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=6.2km az=106.4.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.2km az=225.0.
ISC XI 11 01 35 45.8–1.2 22.4N–.20 95.6E–.30 10 3.9b 7 5-59
ISCJB XI 11 01 35 43.4–1.1 22.3N–.20 95.5E–.30 10 3.8b **¶602389194**
IDC XI 11 01 35 45.2–1.2 22.57N 95.59E 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.6km s-min=13.0km az=144.3.
IDC Error ellipse: s-maj=49.2km s-min=16.3km az=55.0.
ISC XI 11 01 37 39.2–.54 22.98N–.07 96.14E–.08 10 4.2b 45 4-80
ISCJB XI 11 01 37 37.3–.33 22.97N–.05 96.15E–.05 10 4.1b **¶601991682**
IDC XI 11 01 37 37.9–.79 23.04N 96.16E 0 4.3L,4.2
NEIC XI 11 01 37 39.2–.24 22.99N 96.15E 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=135.7.
IDC Error ellipse: s-maj=29.7km s-min=12.2km az=60.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.1km az=56.0.
ISC XI 11 01 39 59.2–.45 22.91N–.06 95.79E–.06 10 4.1b 56 4-89
IDC XI 11 01 39 58.1–.66 23.09N 95.92E 0 4.5L,4.1 **¶601991683**
NEIC XI 11 01 40 00.2–2.4 23.08N 95.92E 12–15 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=12.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.1km az=51.0.
ISC XI 11 01 49 23.8–.46 22.79N–.05 95.99E–.06 10 4.1b 86 3-82
ISCJB XI 11 01 49 22.0–.27 22.72N–.04 95.90E–.04 10 4.0b **¶601991685**
NEIC XI 11 01 49 23.5–.38 22.71N 95.92E 10 4.1b
IDC XI 11 01 49 25.9–3.9 22.65N 95.93E 27–29 4.5L,4.1
NDI XI 11 01 49 26.2–2.6 22.79N 95.80E 10 4.1b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.3km az=44.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.9km az=56.0.
IDC Error ellipse: s-maj=22.9km s-min=12.5km az=45.0.
NDI Error ellipse: s-maj=11.1km s-min=16.4km az=-1.0.
ISC XI 11 02 01 06.8–1.5 22.9N–.30 95.6E–.50 150 3.5b 8 5-57
IDC XI 11 02 01 07.3–3.0 23.08N 96.32E 154–37 3.8,3.4 **¶602389195**
ISC Event type ke.
IDC Error ellipse: s-maj=112.8km s-min=16.6km az=58.0.
ISC XI 11 04 49 20.8–.99 22.7N–.10 96.0E–.20 10 3.7b 9 5-52
IDC XI 11 04 49 19.8–1.4 22.78N 95.86E 0 4.1,4.1s **¶602389201**
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=17.4km az=55.0.
ISC XI 11 10 54 43.4–.43 22.70N–.03 95.77E–.02 17–2 5.9s,5.6b 947 3-167
ISCJB XI 11 10 54 39.1–.57 22.74N–.02 95.83E–.02 1–3 5.9s,5.5b **¶601883941**
BJI XI 11 10 54 40.8 22.69N 95.91E 10 6.3L,6.2
IDC XI 11 10 54 41.9–2.0 22.73N 95.84E 12–12 5.7s,5.7
NEIC XI 11 10 54 41.4–.10 22.72N 95.83E 6 6.0,5.8W
NEIC XI 11 10 54 42.0–.00 22.56N 95.90E 11 6.0,5.8W
GCMT XI 11 10 54 42.3–.10 22.60N–.01 96.05E–.01 12 5.9W,5.8W
NDI XI 11 10 54 42.7–2.7 22.54N 95.93E 33–36 5.8L,5.7b
MOS XI 11 10 54 43.0–1.1 22.71N 95.83E 31 5.8b,5.8s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=38.7.
IDC Error ellipse: s-maj=10.5km s-min=7.8km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=54.0. Felt at Chaunggyi. Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.66 MPa. Energy computed from BB mechanism. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-0.65 $M_{r\theta}$-0.62 $M_{\theta\phi}$5.19 $M_{\phi r}$0.54 Best double couple: NP1: ϕ_s184.00000°,δ83.00000°,λ-174.00000°. NP2:ϕ_s94.00000°,δ84.00000°,λ-7.00000°. Principal axes: T 5.3400,Plg1.0000°,Azm139.0000°; N -0.0700,Plg81.0000°,Azm237.0000° ; P -5.2800,Plg9.0000°,Azm49.0000° $M_0$5.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s262.00000°,δ81.00000°,λ-20.00000°. NP2: ϕ_s355.00000°,δ70.00000°,λ-170.00000°. Principal axes: T Plg7.0000°,Azm310.0000° ; N Plg0.0000°,Azm0.0000°; P Plg21.0000°,Azm217.0000°
NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.79 $M_{r\theta}$2.40 $M_{\theta\phi}$5.58 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s85.00000°,δ87.00000° ,λ23.00000°. NP2:ϕ_s354.00000°,δ67.00000°,λ176.00000°. Principal axes: T 5.9600,Plg18.0000°,Azm312.0000°; N 0.4600,Plg66.0000°,Azm92.0000° ; P -6.4200,Plg13.0000°,Azm217.0000° $M_0$6.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c240; s135,c414; Duration: 2±1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.06 $M_{\theta\theta}$-0.31±.07; $M_{\phi\phi}$0.02±.07; $M_{r\theta}$2.06±.16; $M_{\theta\phi}$7.73±.05; $M_{\phi r}$2.38±.17; Best double couple: NP1:ϕ_s358.00000°,δ77.00000° ,λ164.00000°. NP2:ϕ_s91.00000°,δ75.00000°,λ14.00000°. Principal axes: T 8.7550,Plg20.0000°,Azm314.0000°; N -0.8740,Plg70.0000°,Azm139.0000° ; P -7.8800,Plg1.0000°,Azm45.0000° $M_0$8.31700×10^{17}
NDI Error ellipse: s-maj=18.9km s-min=22.4km az=-1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=113.9.
IDC XI 11 12 41 29.4–1.6 22.76N 96.14E 0 3.7,3.6b
¶602389219
IDC Error ellipse: s-maj=38.4km s-min=18.9km az=61.0.
ISC XI 11 13 36 02.7–1.4 22.6N–.10 95.8E–.30 10 3.6b 15 5-81
ISCJB XI 11 13 36 01.6–.89 22.7N–.10 95.8E–.20 10 3.5b **¶602389223**
IDC XI 11 13 36 01.5–1.3 22.67N 95.85E 0 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.1km s-min=8.3km az=154.5.
IDC Error ellipse: s-maj=43.9km s-min=14.6km az=62.0.
ISC XI 11 14 45 03.7–.39 22.77N–.04 95.78E–.04 10 4.5b,3.8s 139 3-85
ISCJB XI 11 14 45 01.5–.21 22.70N–.02 95.83E–.03 10 4.4b,3.8s **¶601883944**
IDC XI 11 14 45 01.7–.64 22.75N 95.81E 0 4.6L,4.3
MOS XI 11 14 45 03.6–1.3 22.68N 95.87E 27 4.7b,4.3
NEIC XI 11 14 45 03.0–2.2 22.75N 95.94E 9–14 4.8b,4.3
BJI XI 11 14 45 05.7 23.10N 95.71E 15 4.8b,4.4b
NDI XI 11 14 45 08.6–2.9 22.73N 95.56E 10 4.8b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=142.5.
IDC Error ellipse: s-maj=21.4km s-min=11.4km az=65.0.
MOS Error ellipse: s-maj=11.7km s-min=6.0km az=109.7.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=54.0.
NDI Error ellipse: s-maj=10.7km s-min=13.4km az=-1.0.
ISC XI 11 18 19 44.7–.42 23.20N–.03 95.80E–.02 20–2 5.5b,5.3s 961 3-167
IDC XI 11 18 19 40.6–.31 23.11N 95.88E 0 5.7L,5.2 **¶601885138**
BJI XI 11 18 19 41.0 23.10N 95.96E 14 6.0L,5.9b
NEIC XI 11 18 19 42.0–.00 22.81N 95.66E 11 6.0L,5.9b
GCMT XI 11 18 19 43.1–.10 23.06N–.01 96.07E–.01 20–0 5.6W,5.9b
ISCJB XI 11 18 19 43.7–.63 23.21N–.02 95.77E–.02 27–4 5.4b,5.3s
MOS XI 11 18 19 44.4–1.4 23.20N 95.81E 33 5.7b,5.1s
NDI XI 11 18 19 45.9–3.0 23.18N 95.86E 28 5.6b,5.5b
NEIC XI 11 18 19 45.1–1.5 23.13N 95.87E 28–10 5.5W,5.5W
ISC Event type fe.
IDC Error ellipse: s-maj=9.1km s-min=7.1km az=84.0.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-0.38 $M_{r\theta}$0.31 $M_{\theta\phi}$1.91 $M_{\phi r}$0.19 Best double couple: NP1:ϕ_s94.00000°,δ82.00000° ,λ10.00000°. NP2:ϕ_s3.00000°,δ80.00000°,λ172.00000°. Principal axes: T 1.8900,Plg12.0000°,Azm319.0000°; N 0.1600,Plg77.0000°,Azm131.0000° ; P -2.0500,Plg1.0000°,Azm228.0000° $M_0$2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c154; s118,c240;Duration: 1±5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.03 $M_{\theta\theta}$-0.00±.03; $M_{\phi\phi}$-0.12±.04; $M_{r\theta}$1.04±.08; $M_{\theta\phi}$2.68±.03; $M_{\phi r}$0.72±.07; Best double couple: NP1:ϕ_s93.00000°,δ78.00000°,λ20.00000°. NP2:ϕ_s358.00000°,δ71.00000°,λ167.00000°. Principal axes: T 3.1340,Plg23.0000° ,Azm317.0000°; N -0.3710,Plg67.0000°,Azm124.0000°; P -2.7630,Plg5.0000° ,Azm225.0000° $M_0$2.94900×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=31.6.
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=116.5.
NDI Error ellipse: s-maj=7.4km s-min=12.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=216.0. Felt at Mogok. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$0.07 $M_{r\theta}$0.58 $M_{\theta\phi}$1.81 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s90.00000°,δ85.00000°,λ17.00000°. NP2: ϕ_s358.00000°,δ73.00000°,λ175.00000°. Principal axes: T 1.9900,Plg16.0000°,Azm315.0000° ; N -0.1500,Plg72.0000°,Azm104.0000°; P -1.8400,Plg9.0000°,Azm223.0000° $M_0$1.90000×10^{17}
ISC XI 11 19 57 06.9–1.6 22.3N–.30 95.5E–.30 10 11 5-57
IDC XI 11 19 57 06.1–1.6 22.83N 95.96E 0 3.7L,3.6 **¶602389235**
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=19.0km az=61.0.
IDC XI 11 20 30 45.8–1.8 22.47N 96.04E 0 3.7L,3.4
¶602389237
IDC Error ellipse: s-maj=42.0km s-min=18.1km az=65.0.

ISC XI 12 02 19 24.2–2.0 21.9N–.40 95.0E–.40 10 9 5-57
IDC XI 12 02 19 24.7–1.6 22.63N 95.89E 0 4.0L,3.8 **¶602389266**
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=19.0km az=60.0.
ISC XI 12 14 29 11.8–2.1 22.1N–.50 95.2E–.60 10 3.4b 10 5-59
IDC XI 12 14 29 11.4–1.4 22.64N 95.87E 0 3.6L,3.5 **¶602389291**
ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=18.8km az=60.0.
ISC XI 13 01 52 18.6–.34 19.19N–.04 95.95E–.04 10 4.7b,3.6s 267 3-154
IDC XI 13 01 52 16.5–.50 19.11N 95.84E 0 4.6,4.5 **¶601890527**
ISCJB XI 13 01 52 16.5–.20 19.15N–.03 95.91E–.02 10 4.6b,3.7s
BJI XI 13 01 52 18.0 19.05N 95.86E 21 4.8b,4.5b
NEIC XI 13 01 52 19.8–.74 19.12N 96.00E 22–5 4.8b,4.5b
MOS XI 13 01 52 19.7–1.1 19.09N 95.94E 34 4.9b,4.5b
NDI XI 13 01 52 20.8–2.5 19.18N 96.09E 22 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=11.7km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=30.9.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=221.0.
MOS Error ellipse: s-maj=10.8km s-min=5.3km az=122.4.
NDI Error ellipse: s-maj=10.3km s-min=17.7km az=-1.0.
ISC XI 13 06 27 49.5–.65 22.58N–.06 95.80E–.06 10 3.9b 51 3-81
IDC XI 13 06 27 45.7–1.1 22.37N 95.64E 0 4.3L,4.0 **¶602081292**
ISCJB XI 13 06 27 46.6–.36 22.43N–.06 95.79E–.06 10 3.8b,4.0
NDI XI 13 06 27 51.5–2.4 22.46N 95.78E 10 3.3L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=14.9km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=3.5km az=135.6.
NDI Error ellipse: s-maj=11.5km s-min=14.5km az=-1.0.
ISC XI 13 08 36 27.5–.54 23.05N–.06 95.79E–.06 32 4.2b,3.7s 74 2-80
IDC XI 13 08 36 22.8–.70 23.12N 96.01E 0 4.6L,4.2 **¶601991862**
ISCJB XI 13 08 36 24.6–.30 22.93N–.05 95.70E–.05 32 4.2b,3.6s
NEIC XI 13 08 36 24.2–.32 23.10N 96.01E 10 4.7b,3.6s
NDI XI 13 08 36 29.2–2.4 23.08N 95.61E 10 3.5L,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=12.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.0km az=42.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.3km az=58.0.
NDI Error ellipse: s-maj=9.4km s-min=13.8km az=-1.0.
ISC XI 13 08 42 02.3–.56 23.07N–.06 95.95E–.06 10 4.1b 64 3-80
ISCJB XI 13 08 42 00.3–.40 22.98N–.06 95.89E–.05 10 4.1b **¶601991863**
IDC XI 13 08 42 01.4–1.2 23.19N 96.12E 0 4.6L,4.0
NEIC XI 13 08 42 02.5–.36 23.11N 96.16E 10 4.2b,4.0
NDI XI 13 08 42 04.4–2.2 22.98N 95.95E 10 3.3L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.2km az=39.3.
IDC Error ellipse: s-maj=60.5km s-min=15.9km az=63.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.6km az=49.0.
NDI Error ellipse: s-maj=10.2km s-min=14.6km az=-1.0.
ISC XI 13 13 11 09.3–1.6 23.0N–.20 96.0E–.40 10 3.4b,2.7s 9 5-59
IDC XI 13 13 11 08.0–1.4 23.19N 96.22E 0 3.9L,3.5 **¶602389345**
ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=18.6km az=62.0.
ISC XI 13 18 28 14.4–.56 22.92N–.03 95.85E–.03 18–3 4.8b,4.1s 338 3-97
ISCJB XI 13 18 28 11.0–.86 22.87N–.02 95.87E–.02 9–5 4.7b,4.2s **¶601890923**
IDC XI 13 18 28 11.2–.42 22.89N 95.92E 0 4.7L,4.5
GCMT XI 13 18 28 12.8–.30 22.83N–.02 95.98E–.02 16–1 4.9W,4.5
NEIC XI 13 18 28 12.8–.15 22.90N 95.94E 10 5.0b,4.5
BJI XI 13 18 28 13.9 23.02N 95.89E 21 4.9b,4.9L
MOS XI 13 18 28 13.5–1.1 22.86N 95.91E 30 4.9b,4.2s
NDI XI 13 18 28 14.2–2.7 22.89N 95.87E 10 5.0b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=38.3.
IDC Error ellipse: s-maj=13.5km s-min=9.4km az=54.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c20; s84,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.07±.09 $M_{\theta\theta}$0.27±.08; $M_{\phi\phi}$-0.20±.07; $M_{r\theta}$1.44±.26; $M_{\theta\phi}$2.33±.08; $M_{\phi r}$0.44±.22; Best double couple: NP1:ϕ_s93.00000°,δ85.00000°,λ30.00000°. NP2:ϕ_s0.00000°,δ60.00000°,λ174.00000°. Principal axes: T 2.9970,Plg24.0000° ,Azm321.0000°; N -0.4910,Plg59.0000°,Azm101.0000°; P -2.5070,Plg17.0000° ,Azm223.0000° $M_0$2.75200×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=56.0.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=116.1.
NDI Error ellipse: s-maj=8.7km s-min=13.4km az=-1.0.
ISC XI 14 14 04 37.2–.52 22.64N–.04 95.52E–.04 10 4.2b,3.4s 92 2-59
BJI XI 14 14 04 29.3 22.20N 95.91E 10 4.5b,4.5L **¶602081424**
ISCJB XI 14 14 04 34.4–.27 22.52N–.03 95.67E–.03 10 4.1b,3.4s
NDI XI 14 14 04 34.8–2.3 22.27N 95.74E 15 3.5L,3.4s
IDC XI 14 14 04 35.0–.91 22.84N 96.06E 0 4.3L,4.1
NEIC XI 14 14 04 36.1–.30 22.82N 96.06E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=139.4.
NDI Error ellipse: s-maj=8.9km s-min=10.7km az=-1.0.
IDC Error ellipse: s-maj=34.5km s-min=13.1km az=63.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=4.1km az=59.0.
ISC XI 14 21 16 22.6–1.5 19.0N–.20 94.6E–.10 10 3.5b 10 4-57
IDC XI 14 21 16 19.4–1.9 18.74N 94.28E 0 3.7,3.5 **¶602389407**
ISC Event type ke.
IDC Error ellipse: s-maj=64.1km s-min=26.5km az=57.0.
ISC XI 17 19 27 59.8–1.1 22.8N–.20 96.1E–.20 10 12 5-57
ISCJB XI 17 19 27 57.6–.82 22.8N–.20 96.1E–.30 10 3.9s,3.3b **¶602389580**
IDC XI 17 19 27 57.6–1.7 22.82N 96.12E 0 3.9,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=47.8km s-min=9.1km az=139.7.
IDC Error ellipse: s-maj=40.1km s-min=19.8km az=62.0.
ISC XI 17 23 53 27.2–1.2 22.7N–.10 96.0E–.10 10 10 5-26
IDC XI 17 23 53 26.0–1.8 22.74N 95.76E 0 3.8L,3.4 **¶602389586**
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=18.4km az=65.0.
ISC XI 18 16 46 19.6–.94 19.3N–.10 95.8E–.10 13 4.1b 25 3-71
IDC XI 18 16 46 16.9–2.4 19.19N 95.65E 0 3.9,3.8 **¶601992748**
ISCJB XI 18 16 46 17.6–1.5 19.3N–.20 95.6E–.20 13 3.9b,3.0s
NEIC XI 18 16 46 19.1–3.9 19.24N 95.65E 12–24 4.6b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=15.6km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=36.9km s-min=8.1km az=33.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=7.5km az=216.0.
ISC XI 19 17 25 53.5–.30 22.99N–.03 95.84E–.03 32 4.8b,4.0s 236 3-156
IDC XI 19 17 25 48.0–.51 23.01N 95.92E 0 5.2L,4.5 **¶601992986**
ISCJB XI 19 17 25 50.9–.15 22.91N–.02 95.81E–.02 32 4.7b,4.0s
BJI XI 19 17 25 52.7 23.13N 95.91E 26 5.1L,4.8b
NDI XI 19 17 25 52.9–3.5 22.94N 95.93E 33–44 5.0L,4.9b
GCMT XI 19 17 25 52.0–.40 22.94N–.02 96.10E–.02 20–1 4.8W,4.9b
NEIC XI 19 17 25 53.0–1.9 22.99N 95.96E 31–14 4.9b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=10.3km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=135.9.
NDI Error ellipse: s-maj=22.5km s-min=30.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s74,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.10 $M_{\theta\theta}$0.09±.08; $M_{\phi\phi}$-0.09±.08; $M_{r\theta}$0.64±.19; $M_{\theta\phi}$1.92±.10; $M_{\phi r}$0.23±.17; Best double couple: NP1:ϕ_s92.00000°,δ84.00000°,λ18.00000°. NP2:ϕ_s0.00000°,δ72.00000°,λ174.00000°. Principal axes: T 2.1060,Plg17.0000° ,Azm318.0000°; N -0.1390,Plg71.0000°,Azm109.0000°; P -1.9660,Plg9.0000° ,Azm225.0000° $M_0$2.03600×10^{16}
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=56.0. Felt [III] at Mandalay. Also felt at Keng Tung and Lashio.
ISC XI 19 22 23 42.6–1.5 22.6N–.30 95.7E–.30 10 3.8s,3.5b 9 5-74
IDC XI 19 22 23 40.3–1.5 22.82N 95.95E 0 3.9L,3.8 **¶602389703**
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=18.0km az=66.0.

ISC XI 23 10 24 28.9–.45 22.65N–.04 95.91E–.04 10 4.2b,3.4s 89 3-82
BJI XI 23 10 24 23.3 22.20N 95.92E 10 4.6b,4.5b **¶601993908**
ISCJB XI 23 10 24 25.7–.24 22.53N–.03 95.92E–.03 10 4.1b,3.5s
NEIC XI 23 10 24 26.9–.31 22.40N 95.74E 10 4.4b,3.5s
IDC XI 23 10 24 26.5–.61 22.58N 95.97E 0 4.4L,4.2
NDI XI 23 10 24 28.9–2.4 22.58N 96.05E 10 3.5L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=135.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.5km az=49.0.
IDC Error ellipse: s-maj=21.0km s-min=10.8km az=60.0.
NDI Error ellipse: s-maj=11.3km s-min=14.9km az=-1.0.
ISC XI 26 06 38 42.5–1.2 22.78N–.08 95.97E–.09 35 17 3-8
ISCJB XI 26 06 38 40.7–.53 22.76N–.06 96.06E–.07 33 **¶606595026**
NDI XI 26 06 38 40.6–1.9 22.71N 95.99E 12 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.7km az=138.8.
NDI Error ellipse: s-maj=9.2km s-min=13.6km az=-1.0.
ISC XI 28 12 11 44.5–.44 22.78N–.04 95.93E–.04 10 4.3b,3.4s 86 3-68
ISCJB XI 28 12 11 42.1–.27 22.69N–.03 96.01E–.04 10 4.4b,3.3s **¶601995020**
IDC XI 28 12 11 42.3–.76 22.65N 95.95E 0 4.1,4.1L
NEIC XI 28 12 11 44.0–.33 22.69N 96.03E 10 4.3b,4.1L
NDI XI 28 12 11 43.6–2.2 22.57N 96.06E 10 4.3b,4.1L
BJI XI 28 12 11 46.6 23.04N 95.82E 10 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.2km az=137.4.
IDC Error ellipse: s-maj=28.4km s-min=11.9km az=59.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.0km az=59.0.
NDI Error ellipse: s-maj=10.2km s-min=13.2km az=-1.0.
ISC XI 30 12 58 07.9–.61 22.77N–.06 95.83E–.06 10 4.1b 73 3-82
IDC XI 30 12 58 07.1–1.0 22.88N 95.88E 0 4.5L,4.1 **¶602083456**
NDI XI 30 12 58 08.9–2.4 22.78N 95.95E 10 3.4L,4.1
NEIC XI 30 12 58 08.2–.51 22.83N 95.94E 10 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=14.8km az=60.0.
NDI Error ellipse: s-maj=12.4km s-min=12.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=36.1km s-min=6.5km az=56.0.
ISC XII 01 13 31 01.6–.67 23.0N–.10 96.1E–.10 32 3.7b 29 5-91
IDC XII 01 13 30 57.0–.98 22.98N 96.09E 0 4.1L,3.9 **¶602390278**
ISCJB XII 01 13 30 58.9–.40 22.81N–.08 95.91E–.09 32 3.7s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 03 11 55 27.9–.34 23.07N–.03 95.78E–.03 32 4.6b,3.9s 241 2-146
IDC XII 03 11 55 22.2–.59 23.02N 95.79E 0 5.0L,4.5 **¶601995967**
NDI XII 03 11 55 24.8–2.5 22.97N 96.02E 15 4.6b,4.5L
BJI XII 03 11 55 24.5 23.21N 95.84E 18 4.9b,4.8L
ISCJB XII 03 11 55 25.4–.18 23.06N–.02 95.85E–.02 32 4.6b,3.9s
MOS XII 03 11 55 25.2–.88 23.13N 95.97E 32 4.8b,3.9s
GCMT XII 03 11 55 26.5–.40 23.09N–.02 96.06E–.02 20–1 4.8W,3.9s
NEIC XII 03 11 55 27.5–.54 23.11N 95.89E 35–6 4.6b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=11.5km az=55.0.
NDI Error ellipse: s-maj=7.5km s-min=9.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=41.9.
MOS Error ellipse: s-maj=12.1km s-min=5.0km az=116.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s7,c8; s75,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.12 $M_{\theta\theta}$0.25±.09; $M_{\phi\phi}$0.30±.08; $M_{r\theta}$0.67±.17; $M_{\theta\phi}$1.84±.08; $M_{\phi r}$0.13±.15; Best double couple: NP1:ϕ_s268.00000°,δ84.00000°,λ-23.00000°. NP2:ϕ_s360.00000°,δ67.00000°,λ-174.00000°. Principal axes: T 2.2380,Plg12.0000° ,Azm316.0000°; N -0.5380,Plg67.0000°,Azm74.0000°; P -1.7010,Plg20.0000° ,Azm221.0000° $M_0$1.96900×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.5km az=60.0. Felt at Mandalay.
ISC XII 12 03 19 54.1–1.5 23.1N–.20 96.2E–.30 10 13 5-59
IDC XII 12 03 19 52.2–1.6 22.98N 95.82E 0 4.0L,3.7 **¶602391145**
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=20.2km az=61.0.
ISC XII 13 16 13 26.9–.70 23.1N–.10 95.9E–.10 32 4.0b 38 4-59
IDC XII 13 16 13 22.8–1.4 23.18N 96.13E 0 4.1L,3.8 **¶602070481**
NEIC XII 13 16 13 23.6–.41 23.12N 96.04E 10 4.3b,3.8
ISCJB XII 13 16 13 24.2–.38 22.99N–.08 95.87E–.09 32 4.0b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 14 02 17 30.9–.35 22.65N–.03 95.80E–.03 10 4.6b,4.0s 205 3-151
IDC XII 14 02 17 29.3–.63 22.75N 95.81E 0 4.3,4.3L **¶602043468**
ISCJB XII 14 02 17 29.1–.21 22.71N–.03 95.84E–.02 10 4.5b,4.0s
BJI XII 14 02 17 30.8 22.78N 95.79E 14 4.9b,4.6b
NEIC XII 14 02 17 31.0–.17 22.75N 95.87E 10 4.7b,4.6b
NDI XII 14 02 17 31.2–3.3 22.68N 95.97E 10 3.8L,4.6b
MOS XII 14 02 17 32.0–.84 22.67N 95.83E 31 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=11.6km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=35.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=59.0.
NDI Error ellipse: s-maj=14.4km s-min=20.1km az=-1.0.
MOS Error ellipse: s-maj=11.9km s-min=5.7km az=116.9.
IDC XII 15 19 33 39.7–4.2 20.85N 93.83E 0 3.6b,3.5 ¶602391408
IDC Error ellipse: s-maj=126.7km s-min=32.8km az=45.0.
ISC XII 18 01 32 43.5–.46 19.32N–.05 95.65E–.05 18 4.4b,3.7s 136 3-126
IDC XII 18 01 32 40.2–.79 19.20N 95.51E 0 4.2,4.1 **¶602047005**
ISCJB XII 18 01 32 41.6–.27 19.30N–.03 95.56E–.03 18 4.4b,3.7s
BJI XII 18 01 32 41.0 18.75N 95.57E 43 5.0L,4.6b
NDI XII 18 01 32 43.5–2.7 19.27N 95.78E 10 3.5L,4.6b
NEIC XII 18 01 32 46.3–.84 19.33N 95.65E 38–8 4.4b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=13.2km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=33.3.
NDI Error ellipse: s-maj=17.1km s-min=20.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.5km az=47.0.
ISC XII 18 11 51 57.3–.32 25.37N–.03 96.50E–.03 25 4.6b,3.7s 258 2-145
IDC XII 18 11 51 53.0–.50 25.46N 96.68E 0 4.6L,4.4 **¶602047019**
ISCJB XII 18 11 51 55.1–.16 25.35N–.02 96.54E–.02 25 4.5b,3.7s
MOS XII 18 11 51 56.2–.98 25.39N 96.63E 33 4.7b,3.7s
NDI XII 18 11 51 56.6–2.9 25.41N 96.64E 17–24 4.6b,4.6L
BJI XII 18 11 51 57.1 25.47N 96.49E 39 4.7b,4.6b
NEIC XII 18 11 51 58.0–1.8 25.40N 96.61E 32–13 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=11.0km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.3km az=20.5.
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=114.6.
NDI Error ellipse: s-maj=9.4km s-min=26.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.0km az=52.0.
ISC XII 20 00 54 54.7–1.1 20.53N–.09 99.83E–.09 10 13 1-35
ISCJB XII 20 00 54 53.1–.76 20.58N–.06 99.8E–.10 10 **¶602391701**
IDC XII 20 00 54 53.8–1.4 20.61N 99.79E 0 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=8.5km az=1.3.
IDC Error ellipse: s-maj=29.8km s-min=13.3km az=101.0.
ISC XII 20 05 56 08.4–.33 22.91N–.03 95.89E–.03 32 4.6b,3.6s 203 3-151
BJI XII 20 05 56 01.8 22.65N 95.91E 10 4.7b,4.5b **¶602052198**
IDC XII 20 05 56 02.7–.51 22.86N 95.93E 0 4.6L,4.2
NEIC XII 20 05 56 04.3–.19 22.86N 95.99E 10 4.7b,4.2
ISCJB XII 20 05 56 05.7–.19 22.81N–.02 95.95E–.02 32 4.5b,3.7s
NDI XII 20 05 56 05.3–2.5 22.81N 96.09E 10 4.7b,4.6L
MOS XII 20 05 56 06.2–1.2 22.79N 95.83E 33 4.9b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=10.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.4km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.4km az=40.4.
NDI Error ellipse: s-maj=8.5km s-min=11.0km az=-1.0.

MOS Error ellipse: s-maj=12.1km s-min=5.6km az=115.3.
ISC XII 22 06 44 54.5–3.2 18.9N–.60 94.8E–.20 10 6 4-70
IDC XII 22 06 44 52.0–2.4 18.79N 94.66E 0 3.8L,3.6 **¶602391855**
ISC Event type ke.
IDC Error ellipse: s-maj=61.5km s-min=35.5km az=28.0.
ISC XII 22 16 41 46.2–.26 22.47N–.02 94.72E–.02 141–1 5.5b 1196 2-165
BJI XII 22 16 41 42.4 22.31N 94.58E 134 5.8b,5.7b **¶602056587**
NEIC XII 22 16 41 44.0–.00 22.23N 94.64E 130 5.8b,5.7b
ISCJB XII 22 16 41 44.6–.21 22.46N–.01 94.74E–.01 136–2 5.5b,5.7b
MOS XII 22 16 41 45.3–.87 22.46N 94.80E 147 5.6b,5.7b
NEIC XII 22 16 41 45.7–.45 22.44N 94.78E 134–4 5.5W,5.5W
GCMT XII 22 16 41 46.7–.10 22.29N–.01 94.80E–.01 142–0 5.5W,5.5W
IDC XII 22 16 41 46.1–.45 22.42N 94.78E 138–3 5.5,5.2
NDI XII 22 16 41 47.4–2.8 22.46N 94.72E 96 5.4b,5.4L
ISC Event type fe.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$0.18 $M_{r\theta}$-1.69 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s259.00000° ,δ79.00000°,λ67.00000°. NP2:ϕ_s144.00000°,δ25.00000°,λ153.00000°. Principal axes: T 2.1400,Plg50.0000°,Azm142.0000°; N -0.1300,Plg22.0000°,Azm263.0000° ; P -2.0100,Plg30.0000°,Azm7.0000° $M_0$2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=44.1.
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=116.5.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=46.0. Felt at Kani, Rangoon and Sittwe. Felt [V] at Chittagong and [III] at Dhaka and Narayanganj, Bangladesh. Felt [III] at Kolkata, India. Felt in much of Bangladesh and northeastern India. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.35 $M_{r\theta}$-1.26 $M_{\theta\phi}$1.00 $M_{\phi r}$-0.70 Best double couple: NP1:ϕ_s259.00000°,δ77.00000°,λ50.00000°. NP2:ϕ_s153.00000° ,δ42.00000°,λ160.00000°. Principal axes: T 2.0600,Plg44.0000°,Azm130.0000° ; N -0.2100,Plg39.0000°,Azm270.0000°; P -1.8600,Plg21.0000°,Azm18.0000° $M_0$2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c166; s126,c263;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-1.25±.03; $M_{\phi\phi}$0.50±.03; $M_{r\theta}$-1.48±.02; $M_{\theta\phi}$0.90±.03; $M_{\phi r}$-0.69±.02; Best double couple: NP1:ϕ_s256.00000°,δ78.00000°,λ55.00000°. NP2:ϕ_s149.00000°,δ37.00000°,λ159.00000°. Principal axes: T 2.1880,Plg46.0000° ,Azm130.0000°; N -0.0560,Plg34.0000°,Azm264.0000°; P -2.1310,Plg24.0000° ,Azm12.0000° $M_0$2.15900×10^{17}
IDC Error ellipse: s-maj=6.6km s-min=5.0km az=46.0.
NDI Error ellipse: s-maj=9.9km s-min=10.5km az=-1.0.
ISC XII 24 15 40 09.7–.91 22.9N–.10 96.0E–.20 10 11 5-32
IDC XII 24 15 40 09.5–1.9 22.75N 95.94E 0 3.7L,3.4 **¶602392000**
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=18.6km az=66.0.
ISC XII 26 08 48 47.6–.49 23.19N–.06 95.98E–.06 32 4.2b,3.2s 85 2-91
IDC XII 26 08 48 43.3–.67 23.29N 96.29E 0 4.5L,4.0 **¶602380632**
ISCJB XII 26 08 48 45.2–.27 23.07N–.05 95.90E–.05 32 4.2b,3.2s
NDI XII 26 08 48 47.7–2.4 23.14N 96.06E 35 4.4b,4.2L
NEIC XII 26 08 48 47.9–.26 23.21N 96.18E 35 4.4b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=11.1km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.1km az=136.9.
NDI Error ellipse: s-maj=10.4km s-min=12.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=4.5km az=56.0.
ISC XII 26 13 52 49.2–.81 22.8N–.10 95.9E–.20 32 3.6b 17 5-80
IDC XII 26 13 52 44.9–2.0 22.83N 96.00E 0 4.0L,3.8 **¶602353134**
ISCJB XII 26 13 52 46.7–.53 22.7N–.10 95.8E–.10 32 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 26 13 59 48.7–.30 22.77N–.03 95.77E–.03 32 4.7b,4.1s 194 3-155
IDC XII 26 13 59 43.6–.45 22.82N 95.89E 0 4.7L,4.5 **¶602058916**
BJI XII 26 13 59 44.2 22.76N 95.80E 19 5.1b,4.9s
GCMT XII 26 13 59 45.1–.30 22.77N–.02 95.87E–.02 27–1 5.0W,4.9s
ISCJB XII 26 13 59 46.1–.17 22.77N–.02 95.78E–.02 32 4.6b,4.2s
NEIC XII 26 13 59 46.1–1.6 22.78N 95.91E 18–10 4.9b,4.2s
NDI XII 26 13 59 49.0–3.2 22.85N 95.70E 18 4.9b,4.8L
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=64.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c21; s87,c124;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.16 $M_{\theta\theta}$0.35±.11; $M_{\phi\phi}$-0.52±.12; $M_{r\theta}$1.90±.23; $M_{\theta\phi}$3.07±.11; $M_{\phi r}$0.59±.21; Best double couple: NP1:ϕ_s95.00000°,δ82.00000°,λ30.00000°. NP2:ϕ_s1.00000°,δ60.00000°,λ171.00000°. Principal axes: T 3.9190,Plg26.0000° ,Azm322.0000°; N -0.5180,Plg59.0000°,Azm109.0000°; P -3.4000,Plg15.0000° ,Azm225.0000° $M_0$3.65900×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=44.7.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=63.0.
NDI Error ellipse: s-maj=13.0km s-min=17.5km az=-1.0.
ISC XII 26 15 20 44.2–.53 22.78N–.05 95.90E–.05 32 4.3b,3.4s 80 3-80
NEIC XII 26 15 20 40.1–3.9 22.79N 95.92E 4–27 4.4b,3.4s **¶602058917**
IDC XII 26 15 20 40.2–1.1 22.80N 95.96E 0 4.1,4.0
ISCJB XII 26 15 20 41.8–.28 22.69N–.04 95.83E–.05 32 4.2b,3.4s
NDI XII 26 15 20 43.2–2.9 22.78N 96.27E 39–999 3.6L,3.4s
BJI XII 26 15 20 44.9 23.01N 95.72E 29 4.8b,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.7km az=56.0.
IDC Error ellipse: s-maj=37.3km s-min=13.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.3km az=140.6.
NDI Error ellipse: s-maj=16.3km s-min=27.5km az=-1.0.
ISC XII 30 10 43 41.7–.62 23.00N–.10 95.9E–.10 32 4.1b 43 4-91
IDC XII 30 10 43 36.8–1.3 23.00N 96.03E 0 4.2L,3.8 **¶602340356**
ISCJB XII 30 10 43 39.5–.35 22.93N–.07 95.84E–.08 32 3.9b,3.8
NEIC XII 30 10 43 41.9–.61 22.96N 95.96E 37–8 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=14.8km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=4.4km az=44.2.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=4.8km az=51.0.
ISC XII 30 13 03 03.9–2.1 22.93N–.09 94.2E–.10 100 3.6b 37 1-60
IDC XII 30 13 02 51.9–3.1 23.29N 95.88E 0 3.9,3.7 **¶602353165**
NDI XII 30 13 03 04.5–1.5 23.02N 94.18E 14–16 3.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=247.0km s-min=20.6km az=62.0.
NDI Error ellipse: s-maj=11.5km s-min=11.2km az=-1.0.
ISC XII 30 14 27 31.6–1.8 21.1N–.30 94.1E–.30 35 3.6b 8 5-59
ISCJB XII 30 14 27 27.9–1.4 21.2N–.20 94.2E–.20 33 3.5b **¶602380896**
IDC XII 30 14 27 37.3–5.0 21.49N 94.80E 90–41 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.1km s-min=8.0km az=139.8.
IDC Error ellipse: s-maj=83.9km s-min=17.2km az=59.0.
IDC XII 31 10 10 06.5–1.4 21.17N 93.21E 0 3.7,3.6
¶602380483
IDC Error ellipse: s-maj=84.9km s-min=21.1km az=53.0.

(297) Myanmar-China border region.

ISC IX 24 08 04 41.4–2.0 21.7N–.20 101.35E–.10 10 12 2-5
PLV IX 24 08 04 41.6–1.4 21.67N 101.38E 6–14 3.0L **¶604684471**
ISC Event type ke.
PLV Error ellipse: s-maj=19.6km s-min=12.9km az=-1.0.
ISC XI 05 21 28 18.0–3.0 23.5N–.20 99.7E–.30 10 7 3-6
BJI XI 05 21 28 21.0 23.35N 100.09E 5 3.4L,3.3 **¶601880398**
ISC Event type ke.
IDC XI 07 11 06 20.2–1.9 24.63N 98.09E 0 3.4,3.3
¶602388958
IDC Error ellipse: s-maj=87.4km s-min=23.8km az=68.0.
BJI XII 17 17 51 28.5 23.91N 99.59E 5 3.6L,3.4s
¶602046729

(298) Near south coast of Myanmar.

ISC VIII 17 06 19 22.1–1.2 16.39N–.05 97.80E–.10 10 3.7b,3.5s 18 1-91
ISCJB VIII 17 06 19 19.5–1.2 16.33N–.06 97.7E–.10 10 3.7b,3.4s **¶601765970**
IDC VIII 17 06 19 19.8–1.4 16.36N 97.94E 0 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=8.2km az=165.7.
IDC Error ellipse: s-maj=25.1km s-min=16.4km az=83.0.
ISC XI 22 18 19 07.7–2.5 15.1N–.20 98.6E–.20 10 5 3-34
IDC XI 22 18 19 09.1–4.1 15.47N 98.29E 0 3.4b,3.2 **¶602389848**
ISC Event type ke.
IDC Error ellipse: s-maj=129.5km s-min=32.7km az=110.0.

(734) Laos.

ISC XI 22 20 31 35.7–1.0 18.62N–.05 104.77E–.04 10 29 0-7
PLV XI 22 20 31 36.0–1.5 18.70N 104.69E 15–42 3.4L **¶604686032**
ISC Event type ke.
PLV Error ellipse: s-maj=14.3km s-min=11.5km az=-1.0.
ISC XII 10 08 56 47.6–.80 18.47N–.07 104.54E–.09 10 3.8b 31 1-61
ISCJB XII 10 08 56 45.9–.62 18.48N–.06 104.57E–.07 10 3.7b,3.1s **¶602033975**
IDC XII 10 08 56 46.0–.92 18.48N 104.64E 0 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=8.0km az=165.4.
IDC Error ellipse: s-maj=27.0km s-min=16.0km az=40.0.

(736) Vietnam.

IDC IX 07 02 28 04.6–1.4 15.23N 108.08E 0 4.3L,3.9
¶601863090
IDC Error ellipse: s-maj=55.1km s-min=21.1km az=44.0.
ISC X 03 03 18 44.8–.94 21.05N–.04 106.89E–.05 16 33 1-28
PLV X 03 03 18 42.5–1.2 20.98N 107.00E 7–5 4.4L **¶601779577**
BJI X 03 03 18 44.6 20.97N 107.02E 6 4.4L,3.8s
ISC Event type ke.
PLV Error ellipse: s-maj=2.9km s-min=6.3km az=-1.0.
ISC X 22 13 41 43.1–.70 15.48N–.07 108.08E–.08 35 3.9b,2.9s 48 3-81
IDC X 22 13 41 37.6–.70 15.34N 108.10E 0 4.8L,4.1 **¶601874191**
NEIC X 22 13 41 39.0–.49 15.35N 108.00E 10 4.1b,4.1
ISCJB X 22 13 41 40.9–.50 15.41N–.05 108.08E–.05 33 3.9b,3.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
PLV XI 07 18 42 05.4–1.6 20.99N 106.91E 10–8 3.7L
¶604684723
PLV Error ellipse: s-maj=5.6km s-min=7.3km az=-1.0.
ISC XI 15 07 24 04.8–.55 15.37N–.06 108.19E–.06 10 4.2b,3.3s 71 4-97
ISCJB XI 15 07 24 03.2–.35 15.43N–.04 108.22E–.04 10 4.1b,3.5s **¶601901502**
IDC XI 15 07 24 03.5–.73 15.45N 108.30E 0 4.2,4.2L
NEIC XI 15 07 24 04.5–.27 15.35N 108.20E 10 4.2b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=27.5.
IDC Error ellipse: s-maj=27.5km s-min=13.9km az=52.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=51.0.

SEISMIC REGION 26.
India-Xizang-Szechwan-Yunnan.

(302) Eastern Kashmir.

ISC VII 04 08 37 40.5–.61 33.31N–.05 75.7E–.10 35 3.8b 34 1-84
NDI VII 04 08 37 31.2–2.6 33.78N 75.21E 41–971 3.7L **¶601404223**
IDC VII 04 08 37 36.1–.87 33.44N 76.10E 0 4.0,3.8
ISCJB VII 04 08 37 37.1–.44 33.28N–.04 75.6E–.10 33 3.7b,3.8
NNC VII 04 08 37 43.1–3.4 33.58N 75.03E 0 3.8,3.8b
ISC Event type se.
NDI Error ellipse: s-maj=16.1km s-min=15.5km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=15.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=3.3km az=161.9.
NNC Event type se. Error ellipse: s-maj=92.6km s-min=24.6km az=81.0.
ISC VII 11 14 48 26.0–.61 35.53N–.06 76.39E–.07 10 4.0b,3.2s 59 4-84
IDC VII 11 14 48 23.4–.80 35.28N 76.23E 0 4.0,3.9 **¶601263772**
ISCJB VII 11 14 48 24.1–.38 35.48N–.04 76.39E–.07 10 4.2b,3.2s
BJI VII 11 14 48 27.0 35.61N 76.43E 7 4.3b,4.3b
NEIC VII 11 14 48 32.8–1.2 35.62N 76.51E 68–11 4.2b,4.3b
NNC VII 11 14 48 35.9–2.0 36.13N 76.50E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=14.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.8km az=148.6.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.7km az=181.0.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=11.8km az=16.0.
ISC VII 11 15 22 25.7–.44 35.57N–.05 76.53E–.06 10 4.0b,3.3s 73 4-91
IDC VII 11 15 22 22.7–.68 35.35N 76.38E 0 4.1,4.0 **¶601263774**
ISCJB VII 11 15 22 23.4–.33 35.50N–.03 76.46E–.06 10 3.9b,3.6s
BJI VII 11 15 22 26.6 35.57N 76.53E 8 4.5b,4.4b
NEIC VII 11 15 22 31.3–1.1 35.54N 76.53E 65–10 4.1b,4.4b
NNC VII 11 15 22 34.0–8.9 36.10N 76.75E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=13.6km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=154.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.2km az=211.0.
NNC Event type se. Error ellipse: s-maj=79.8km s-min=56.8km az=25.0.
ISC VIII 02 18 00 27.9–.58 33.70N–.05 75.28E–.08 22 3.7b 35 2-80
IDC VIII 02 18 00 24.3–1.1 33.69N 75.35E 0 3.9,3.8 **¶601563898**
ISCJB VIII 02 18 00 26.0–.49 33.80N–.05 75.50E–.09 22 3.7b,3.1s
NDI VIII 02 18 00 25.9–2.2 33.72N 74.75E 15–266 3.5L,3.1s
NEIC VIII 02 18 00 26.2–.58 33.73N 75.45E 10 4.1b,3.1s
NNC VIII 02 18 00 34.1–5.7 33.85N 73.41E 0 4.0,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=16.6km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.4km az=148.9.
NDI Error ellipse: s-maj=239.1km s-min=147.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.9km az=58.0.
NNC Event type se. Error ellipse: s-maj=104.3km s-min=31.8km az=104.0.
ISC VIII 06 14 15 47.9–.36 35.71N–.04 77.77E–.04 100 4.4b 193 4-82
IDC VIII 06 14 15 36.4–.73 35.54N 77.79E 0 4.4,4.2 **¶601521134**
BJI VIII 06 14 15 43.1 35.83N 77.81E 14 4.7b,4.5b
MOS VIII 06 14 15 45.6–1.1 35.80N 77.70E 77 4.6b,4.5b
ISCJB VIII 06 14 15 46.3–.18 35.66N–.02 77.72E–.03 100 4.3b,4.5b
NEIC VIII 06 14 15 46.5–.54 35.80N 77.71E 73–5 4.6b,4.5b
NNC VIII 06 14 15 52.5–3.9 36.11N 77.75E 112–33 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=13.3km az=23.0.
MOS Error ellipse: s-maj=8.5km s-min=4.6km az=101.9.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=167.5.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=5.0km az=181.0.
NNC Event type se. Error ellipse: s-maj=32.8km s-min=19.5km az=168.0.
ISC VIII 06 18 29 50.2–.84 33.03N–.08 77.1E–.10 35 3.7b 30 8-78
IDC VIII 06 18 29 44.5–.82 32.87N 77.17E 0 3.9,3.7 **¶601566296**
ISCJB VIII 06 18 29 48.2–.61 33.03N–.05 77.3E–.10 33 3.7b,3.7
NNC VIII 06 18 29 49.0–4.8 33.19N 76.89E 0 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=15.4km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.3km az=166.4.
NNC Event type se. Error ellipse: s-maj=67.3km s-min=41.5km az=89.0.
ISC VIII 08 19 22 18.2–.59 35.75N–.05 77.67E–.07 100 3.4b 55 4-79
ISCJB VIII 08 19 22 17.4–.32 35.71N–.03 77.66E–.07 100 3.5b **¶601551001**
IDC VIII 08 19 22 17.9–4.8 35.65N 77.49E 75–42 3.8,3.8L
NEIC VIII 08 19 22 18.7–2.3 35.71N 77.54E 81–19 4.3b,3.8L
NNC VIII 08 19 22 26.0–4.1 36.32N 77.49E 100 3.8,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=3.6km az=163.2.
IDC Error ellipse: s-maj=43.4km s-min=17.3km az=43.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=11.4km az=221.0.
NNC Event type se. Error ellipse: s-maj=34.9km s-min=23.8km az=174.0.
ISC X 23 08 48 06.0–.64 35.32N–.05 77.32E–.07 10 3.9b 37 4-77
IDC X 23 08 48 02.6–1.1 35.11N 76.70E 0 4.2,4.2s **¶601843994**
ISCJB X 23 08 48 03.2–.37 35.30N–.03 77.35E–.05 10 4.1s,3.7b
BJI X 23 08 48 07.2 35.48N 77.26E 8 4.3L,4.2b
NNC X 23 08 48 09.3–7.2 35.71N 77.45E 0 4.3b,4.0

ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=21.7km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.6km az=144.6.
NNC Event type se. Error ellipse: s-maj=71.5km s-min=57.0km az=128.0.
NNC XI 10 08 18 12.3–1.8 35.84N 78.05E 0 3.9b,3.5 ¶601885102
NNC Event type se. Error ellipse: s-maj=20.8km s-min=12.6km az=34.0.

(303) Kashmir-India border region.

ISC VII 26 05 31 36.2–.55 33.54N–.04 76.38E–.05 31 3.9b 73 1-79
IDC VII 26 05 31 30.3–.87 33.30N 75.93E 0 3.9,3.8 **¶601506056**
NDI VII 26 05 31 30.1–2.2 33.76N 75.76E 15 4.4b,4.3L
ISCJB VII 26 05 31 33.4–.29 33.53N–.03 76.42E–.03 31 3.9b,3.3s
NEIC VII 26 05 31 38.0–1.3 33.47N 76.11E 56–13 4.4b,3.3s
NNC VII 26 05 31 39.9–5.8 33.39N 74.98E 119–200 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=15.6km az=53.0.
NDI Error ellipse: s-maj=11.1km s-min=16.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.6km az=136.5.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.3km az=218.0.
NNC Event type se. Error ellipse: s-maj=70.9km s-min=40.5km az=84.0.
ISC VII 30 11 43 47.5–.75 33.27N–.06 76.9E–.10 10 3.8b 28 5-84
IDC VII 30 11 43 44.7–1.1 33.14N 76.90E 0 4.0,4.0 **¶601553760**
ISCJB VII 30 11 43 45.6–.69 33.31N–.06 77.1E–.10 10 4.0s,3.7b
NNC VII 30 11 43 50.1–5.7 33.48N 76.76E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=14.9km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.2km az=162.3.
NNC Event type se. Error ellipse: s-maj=46.5km s-min=40.6km az=26.0.
ISC X 02 03 45 28.6–.40 32.40N–.04 76.40E–.04 14 4.3b 129 0-85
IDC X 02 03 45 26.1–.78 32.27N 76.33E 0 4.4,4.2 **¶601833105**
ISCJB X 02 03 45 27.4–.21 32.39N–.02 76.49E–.03 14 4.3b,3.7s
NDI X 02 03 45 29.6–2.2 32.32N 76.36E 11–6 4.4L,3.7s
NEIC X 02 03 45 30.1–4.3 32.40N 76.51E 19–26 4.6b,3.7s
BJI X 02 03 45 31.5 32.55N 76.74E 23 4.6b,4.3b
NNC X 02 03 45 41.3–6.3 33.00N 76.95E 253–136 5.2,3.5b
ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=17.3km az=36.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=146.8.
NDI Error ellipse: s-maj=14.8km s-min=12.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.6km az=195.0. Felt in the Chamba-Dharmsala area.
NNC Event type se. Error ellipse: s-maj=82.8km s-min=48.3km az=79.0.
ISC X 02 08 34 54.5–.30 32.40N–.03 76.49E–.04 14 4.6b,3.8s 233 0-146
IDC X 02 08 34 52.0–.57 32.37N 76.53E 0 4.6L,4.5 **¶601776280**
ISCJB X 02 08 34 52.9–.17 32.41N–.02 76.53E–.03 14 4.5b,3.7s
NDI X 02 08 34 52.5–2.5 32.42N 76.27E 11–5 5.0L,3.7s
BJI X 02 08 34 53.2 32.57N 76.61E 6 4.8b,4.7b
NEIC X 02 08 34 54.4–.30 32.47N 76.63E 10 4.8b,4.7b
MOS X 02 08 34 56.8–1.4 32.59N 76.64E 34 4.7b,4.7b
NNC X 02 08 35 00.2–6.7 32.38N 76.06E 182–131 5.5,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=12.5km az=17.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=146.2.
NDI Error ellipse: s-maj=11.0km s-min=11.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.5km az=200.0. Felt at Chamba, Chandigarh and Dharmsala.
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=101.1.
NNC Event type se. Error ellipse: s-maj=48.8km s-min=39.3km az=143.0.
ISC X 03 10 04 35.7–.96 32.41N–.04 76.29E–.05 14–6 3.9b 70 0-78
IDC X 03 10 04 32.7–.82 32.28N 76.20E 0 3.9,3.8 **¶601837238**
ISCJB X 03 10 04 34.8–.65 32.41N–.02 76.28E–.05 18–5 3.9b,3.5s
NDI X 03 10 04 34.2–2.3 32.50N 76.29E 10 3.8L,3.5s
NNC X 03 10 04 43.7–2.4 32.67N 76.42E 52–22 4.8,4.2b
NEIC X 03 10 04 50.6–1.0 33.50N 75.96E 35 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=17.2km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.7km az=162.7.
NDI Error ellipse: s-maj=9.2km s-min=11.1km az=-1.0.
NNC Event type se. Error ellipse: s-maj=22.4km s-min=17.0km az=81.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.4km az=153.0.
ISC X 03 10 49 27.1–.95 32.40N–.04 76.36E–.04 14–6 4.1b 91 0-87
IDC X 03 10 49 24.6–.96 32.25N 76.23E 0 4.0,3.9 **¶601837242**
ISCJB X 03 10 49 26.5–.56 32.39N–.02 76.25E–.05 20–4 4.0b,2.5s
NEIC X 03 10 49 26.5–.45 32.30N 76.25E 10 4.2b,2.5s
NDI X 03 10 49 27.0–2.7 32.45N 76.25E 12 3.6L,2.5s
NNC X 03 10 49 33.1–1.9 32.55N 76.49E 46–16 4.7,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=19.4km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=166.4.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=53.0.
NDI Error ellipse: s-maj=12.1km s-min=14.7km az=-1.0.
NNC Event type se. Error ellipse: s-maj=18.6km s-min=14.6km az=76.0.
ISC X 03 17 48 24.9–.91 32.53N–.07 76.5E–.10 14 3.5b 29 4-27
ISCJB X 03 17 48 23.2–.79 32.62N–.07 76.7E–.10 14 3.4b **¶601837254**
IDC X 03 17 48 23.0–2.6 32.54N 76.56E 0 3.6,3.6
NNC X 03 17 48 30.7–3.5 32.65N 76.39E 51–31 4.4,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=4.2km az=147.6.
IDC Error ellipse: s-maj=55.8km s-min=24.7km az=54.0.
NNC Event type se. Error ellipse: s-maj=33.9km s-min=25.2km az=73.0.
NNC X 03 22 59 09.9–9.6 32.72N 76.25E 11–122 4.0,3.7b ¶601837258
NNC Event type se. Error ellipse: s-maj=121.9km s-min=70.1km az=115.0.
ISC X 11 13 21 07.1–1.3 32.20N–.08 77.74E–.07 10 13 1-75
NDI X 11 13 21 10.0–2.3 32.16N 77.72E 25–25 3.4L **¶606594703**
IDC X 11 13 21 14.3–9.6 32.78N 81.74E 0 3.9L,3.7
ISC Event type ke.
NDI Error ellipse: s-maj=11.8km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=377.1km s-min=27.9km az=77.0.
ISC XI 06 12 21 11.8–.93 32.37N–.04 76.29E–.05 16–6 3.9b 34 0-85
IDC XI 06 12 21 09.2–1.0 32.31N 76.31E 0 4.0,3.8 **¶602388910**
ISCJB XI 06 12 21 10.2–.94 32.44N–.03 76.18E–.07 15–7 3.7b,3.8
NDI XI 06 12 21 12.3–1.9 32.43N 76.29E 10 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=18.9km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.9km az=168.5.
NDI Error ellipse: s-maj=7.0km s-min=6.1km az=-1.0.
ISC XI 11 20 23 13.2–.79 32.29N–.04 76.25E–.05 13–5 3.9b 69 0-85
IDC XI 11 20 23 11.1–.73 32.28N 76.31E 0 4.0,3.8 **¶601991727**
ISCJB XI 11 20 23 12.2–.57 32.34N–.03 76.32E–.05 16–4 3.9b,3.8
NDI XI 11 20 23 12.9–2.4 32.36N 76.21E 10 4.0L,3.8
NEIC XI 11 20 23 12.7–.47 32.29N 76.33E 10 4.0b,3.8
NNC XI 11 20 23 19.2–4.3 32.46N 76.55E 55–39 4.8,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=14.4km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.1km az=163.9.
NDI Error ellipse: s-maj=8.4km s-min=7.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.7km az=47.0.
NNC Event type se. Error ellipse: s-maj=45.5km s-min=29.9km az=88.0.
ISC XII 17 12 58 35.8–1.2 33.33N–.10 76.5E–.20 26 3.3b 16 7-79
ISCJB XII 17 12 58 32.8–1.1 33.35N–.07 76.4E–.20 26 3.4b **¶602065083**
IDC XII 17 12 58 32.3–1.4 33.17N 76.78E 0 3.6,3.4
NNC XII 17 12 58 41.6–4.9 33.71N 75.59E 0 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=7.5km az=161.8.
IDC Error ellipse: s-maj=48.9km s-min=19.4km az=65.0.
NNC Event type se. Error ellipse: s-maj=76.9km s-min=36.8km az=78.0.
ISC XII 19 08 09 24.5–1.5 33.84N–.09 76.6E–.30 10 3.6b 7 4-43
IDC XII 19 08 09 20.0–2.6 33.53N 76.42E 0 3.7,3.6 **¶602391662**
ISC Event type ke.
IDC Error ellipse: s-maj=56.1km s-min=26.0km az=53.0.

(305) Western Xizang-India border region.

IDC VIII 04 14 45 06.3–8.2 30.61N 80.69E 0 3.5,3.3 ¶601765456
IDC Error ellipse: s-maj=356.3km s-min=25.8km az=73.0.
ISC X 08 17 46 22.3–.63 31.84N–.03 78.49E–.03 19–2 4.8b,3.7s 366 1-154
IDC X 08 17 46 19.1–.37 31.78N 78.46E 0 4.8,4.7 **¶601795309**
BJI X 08 17 46 19.5 31.64N 78.62E 12 4.9b,4.7b
ISCJB X 08 17 46 21.0–.74 31.86N–.02 78.54E–.02 22–5 4.7b,3.6s
NEIC X 08 17 46 20.7–.23 31.83N 78.44E 10 4.9b,3.6s
NDI X 08 17 46 21.7–2.4 31.78N 78.55E 10 4.9b,4.8b
MOS X 08 17 46 23.1–1.0 31.92N 78.58E 33 5.0b,4.8b
NNC X 08 17 46 24.0–3.4 31.90N 78.37E 29–31 4.9b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=42.2.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=204.0.
NDI Error ellipse: s-maj=8.5km s-min=6.6km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=114.3.
NNC Event type se. Error ellipse: s-maj=24.9km s-min=16.5km az=99.0.
NDI X 26 04 10 53.5–2.1 30.18N 79.61E 10 3.5L ¶606594923
NDI Error ellipse: s-maj=4.2km s-min=9.6km az=-1.0.

(306) Xizang.

ISC VII 02 01 47 49.6–.60 29.94N–.09 87.97E–.08 37 4.0b,3.3s 42 3-86
IDC VII 02 01 47 44.3–.75 29.90N 87.90E 0 4.0,3.8 **¶601237192**
ISCJB VII 02 01 47 47.8–.39 29.87N–.06 87.82E–.07 37 4.0b,3.4s
NEIC VII 02 01 47 47.7–1.8 29.89N 87.87E 21–13 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=16.7km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=139.1.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.6km az=47.0.
ISC VII 03 19 11 42.9–1.0 29.96N–.04 88.09E–.03 23–8 4.7b,3.9s 329 3-149
DMN VII 03 19 11 34.3–.67 30.77N 88.76E 10 5.1L,3.9s **¶601237316**
BJI VII 03 19 11 39.7 30.09N 88.09E 8 4.6,4.6b
IDC VII 03 19 11 39.2–.56 29.88N 88.02E 0 4.4,4.3
NEIC VII 03 19 11 40.9–.17 29.91N 88.01E 10 4.9b,4.3
GCMT VII 03 19 11 40.9–.30 29.84N 88.30E 22–1 4.9W,4.3
ISCJB VII 03 19 11 41.3–1.0 29.94N–.02 88.00E–.02 24–7 4.6b,3.9s
MOS VII 03 19 11 42.6–1.2 29.90N 87.96E 33 4.8b,3.9s
NDI VII 03 19 11 44.3–3.3 29.84N 88.16E 10 4.9b,4.7b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=14.1km s-min=9.9km az=57.0.
IDC Error ellipse: s-maj=15.7km s-min=11.5km az=19.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=204.0.
GCMT Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s24,c25; s62,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.17 $M_{\theta\theta}$-0.09±.10; $M_{\phi\phi}$2.40±.10; $M_{r\theta}$0.20±.19; $M_{\theta\phi}$-0.23±.06; $M_{\phi r}$-0.40±.14; Best double couple: NP1:ϕ_s351.00000°,δ50.00000°,λ-95.00000°. NP2:ϕ_s179.00000°,δ40.00000°,λ-84.00000°. Principal axes: T 2.4570,Plg5.0000°,Azm85.0000°; N -0.0960,Plg4.0000°,Azm354.0000°; P -2.3570,Plg84.0000°,Azm226.0000° $M_0$2.40700×10^{16}
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=27.6.
MOS Error ellipse: s-maj=7.7km s-min=4.5km az=122.5.
NDI Error ellipse: s-maj=12.3km s-min=9.1km az=-1.0.
IDC VII 10 19 40 39.9–3.2 33.96N 89.82E 0 3.8,3.5 ¶601664394
IDC Error ellipse: s-maj=218.6km s-min=24.8km az=65.0.
ISC VII 13 05 31 52.6–1.7 32.7N–.20 89.2E–.30 35 5 11-68
IDC VII 13 05 31 45.6–2.9 32.47N 88.73E 0 3.7,3.6s **¶601276105**
ISC Event type ke.
IDC Error ellipse: s-maj=93.3km s-min=29.5km az=78.0.
ISC VII 15 03 42 23.2–.47 33.71N–.05 88.42E–.06 10 4.1b,3.2s 40 5-86
ISCJB VII 15 03 42 19.8–.36 33.67N–.04 88.68E–.07 10 4.0b,3.3s **¶601276367**
IDC VII 15 03 42 19.5–.65 33.51N 88.68E 0 4.1,4.0
BJI VII 15 03 42 20.8 33.52N 88.46E 7 4.6L,4.2b
NEIC VII 15 03 42 21.3–.33 33.55N 88.59E 10 4.2b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=172.0.
IDC Error ellipse: s-maj=21.0km s-min=14.2km az=43.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=48.0.
ISC VII 19 20 29 29.3–1.5 33.6N–.30 89.3E–.50 10 3.8b 7 10-71
ISCJB VII 19 20 29 26.6–1.7 33.6N–.30 89.1E–.80 10 3.4b,3.1s **¶601457596**
IDC VII 19 20 29 29.3–2.0 33.86N 89.98E 0 3.7,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=101.8km s-min=11.4km az=156.0.
IDC Error ellipse: s-maj=215.2km s-min=20.0km az=58.0.
ISC VII 20 16 40 23.7–.78 33.17N–.08 86.0E–.20 35 3.5b 16 5-83
IDC VII 20 16 40 17.5–1.3 32.97N 85.94E 0 3.8,3.6 **¶601664878**
ISCJB VII 20 16 40 21.6–.53 33.18N–.05 86.1E–.20 33 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 22 16 44 21.2–.51 29.91N–.03 87.94E–.03 32–3 4.8b,4.1s 358 3-149
DMN VII 22 16 44 09.7–.73 30.89N 88.80E 10 4.6L,4.1s **¶601456942**
IDC VII 22 16 44 16.3–.61 29.88N 88.05E 0 4.5,4.4b
BJI VII 22 16 44 17.7 29.78N 88.01E 14 5.1L,4.9b
MOS VII 22 16 44 18.1–1.0 29.86N 88.05E 23 5.1b,4.0s
GCMT VII 22 16 44 20.4–.30 29.93N 88.32E 25–0 5.0W,4.0s
NEIC VII 22 16 44 20.4–1.4 29.95N 88.04E 29–10 4.9b,4.0s
ISCJB VII 22 16 44 21.7–.41 29.93N–.02 88.10E–.02 51–4 4.7b,4.1s
NDI VII 22 16 44 23.0–2.6 29.84N 88.08E 29 4.9b,4.8L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.1km s-min=10.9km az=55.0.
IDC Error ellipse: s-maj=17.5km s-min=12.5km az=24.0.
MOS Error ellipse: s-maj=7.7km s-min=3.9km az=122.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s30,c33; s63,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.63±.15 $M_{\theta\theta}$-0.11±.09; $M_{\phi\phi}$2.74±.10; $M_{r\theta}$1.94±.26; $M_{\theta\phi}$0.02±.06; $M_{\phi r}$-1.83±.18; Best double couple: NP1:ϕ_s332.00000°,δ68.00000°,λ-112.00000°. NP2:ϕ_s200.00000°,δ31.00000°,λ-47.00000°. Principal axes: T 3.4070,Plg20.0000°,Azm79.0000°; N 0.6700,Plg21.0000°,Azm341.0000°; P -4.0750,Plg61.0000°,Azm209.0000° $M_0$3.74100×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=215.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=24.9.
NDI Error ellipse: s-maj=10.0km s-min=7.0km az=-1.0.
ISC VII 22 20 29 43.3–.33 35.96N–.04 87.22E–.03 35 4.5s,4.3b 225 7-148
NNC VII 22 20 29 31.4–3.7 35.58N 87.73E 0 5.1b,4.3b **¶601457916**
IDC VII 22 20 29 37.5–.52 36.00N 87.35E 0 4.4,4.4
BJI VII 22 20 29 39.9 36.23N 87.21E 7 4.9,4.9b
GCMT VII 22 20 29 41.5–.20 36.09N 87.28E 24–0 5.2W,4.9b
MOS VII 22 20 29 41.3–1.3 36.25N 87.45E 28 4.7b,4.9b
NEIC VII 22 20 29 41.5–2.3 36.04N 87.34E 25–16 4.4b,4.9b
ISCJB VII 22 20 29 41.3–.18 36.08N–.02 87.24E–.03 33 4.5s,4.2b
ISC Event type se.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s44,c63; s104,c179;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88±.18 $M_{\theta\theta}$-4.24±.13; $M_{\phi\phi}$5.11±.14; $M_{r\theta}$-0.31±.21; $M_{\theta\phi}$4.36±.11; $M_{\phi r}$0.64±.20; Best double couple: NP1:ϕ_s157.00000°,δ88.00000°,λ-173.00000°. NP2:ϕ_s66.00000°,δ83.00000°,λ-2.00000°. Principal axes: T 6.8580,Plg4.0000°,Azm291.0000°; N -0.8510,Plg83.0000°,Azm170.0000°; P -6.0120,Plg6.0000°,Azm22.0000° $M_0$6.43500×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC VII 23 00 15 11.3–.54 29.76N–.06 87.85E–.05 37 4.1b 47 3-149
IDC VII 23 00 15 06.0–1.2 29.82N 88.09E 0 4.0,3.9 **¶601467867**
ISCJB VII 23 00 15 09.7–.32 29.78N–.04 87.87E–.05 37 3.9b,3.9
NEIC VII 23 00 15 11.1–.53 29.79N 88.02E 35 4.3b,3.9
NDI VII 23 00 15 12.0–2.7 29.78N 87.93E 35 4.3b,4.3L

BJI VII 23 00 15 15.3 30.49N 88.58E 15 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=23.4km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=137.5.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=206.0.
NDI Error ellipse: s-maj=14.5km s-min=11.9km az=-1.0.
ISC VII 27 19 52 02.2–1.1 33.6N–.10 89.1E–.20 35 3.8b,3.1s 12 14-90
IDC VII 27 19 51 56.7–1.1 33.44N 88.89E 0 3.8,3.7 **¶601485438**
ISCJB VII 27 19 51 60.0–.78 33.6N–.10 89.0E–.20 33 3.7b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 27 20 35 51.4–13 35.13N 88.06E 0 3.3,3.3s
¶601666538
IDC Error ellipse: s-maj=191.0km s-min=50.9km az=10.0.
ISC VIII 01 19 50 04.6–.64 29.96N–.06 85.47E–.06 35 3.7b 32 5-78
IDC VIII 01 19 49 58.8–.95 29.92N 85.30E 0 4.0,3.8 **¶601519910**
NEIC VIII 01 19 50 01.0–.69 29.97N 85.34E 10 4.5b,3.8
ISCJB VIII 01 19 50 02.3–.44 29.94N–.04 85.41E–.04 33 3.8b,3.1s
NDI VIII 01 19 50 02.6–3.8 29.95N 85.70E 10 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=18.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.0km az=220.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=16.8.
NDI Error ellipse: s-maj=17.6km s-min=16.4km az=-1.0.
ISC VIII 05 14 10 29.0–.28 30.29N–.03 94.75E–.03 10 4.9b,3.8s 378 3-150
ISCJB VIII 05 14 10 26.7–.16 30.30N–.02 94.85E–.02 10 4.8b,3.8s **¶601518347**
IDC VIII 05 14 10 27.1–.42 30.36N 94.90E 0 4.6,4.5
MOS VIII 05 14 10 28.8–1.0 30.31N 94.90E 27 5.1b,4.5
BJI VIII 05 14 10 28.9 30.29N 94.84E 20 4.9b,4.7b
NEIC VIII 05 14 10 30.3–1.2 30.35N 94.85E 24–8 5.0b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.7km az=3.0.
IDC Error ellipse: s-maj=12.7km s-min=10.2km az=35.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=119.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=217.0.
IDC VIII 06 00 50 06.9–6.8 34.25N 80.19E 0 3.4,3.4
¶601765525
IDC Error ellipse: s-maj=171.1km s-min=35.5km az=119.0.
ISC VIII 07 00 17 59.6–.58 30.37N–.04 94.84E–.03 43–5 4.9b 418 3-159
IDC VIII 07 00 17 52.5–.56 30.27N 94.88E 0 4.6,4.5 **¶601521550**
BJI VIII 07 00 17 54.5 30.33N 94.89E 10 4.7b,4.6b
ISCJB VIII 07 00 17 55.3–.90 30.35N–.02 94.82E–.02 23–6 4.8b,3.4s
MOS VIII 07 00 17 55.5–.88 30.32N 94.88E 28 5.1b,3.4s
NEIC VIII 07 00 17 57.2–1.5 30.34N 94.86E 24–11 4.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=11.7km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=6.3.
MOS Error ellipse: s-maj=7.4km s-min=4.0km az=122.6.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=48.0.
ISC VIII 09 05 49 57.3–.28 30.37N–.03 94.84E–.03 23 4.8b 335 3-150
IDC VIII 09 05 49 53.1–.57 30.27N 94.83E 0 4.5,4.4 **¶601532943**
BJI VIII 09 05 49 54.6 30.36N 94.88E 9 4.8b,4.7b
ISCJB VIII 09 05 49 55.4–.15 30.37N–.02 94.87E–.02 23 4.7b,4.7b
NEIC VIII 09 05 49 55.1–.15 30.32N 94.85E 10 4.9b,4.7b
MOS VIII 09 05 49 56.1–.88 30.36N 94.89E 29 5.1b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=11.5km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.6km az=142.7.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=47.0.
MOS Error ellipse: s-maj=7.9km s-min=4.3km az=122.6.
ISC VIII 09 06 29 07.0–.75 30.5N–.10 95.0E–.10 10 3.8b 17 3-86
ISCJB VIII 09 06 29 04.9–.60 30.32N–.09 94.8E–.10 10 3.8b **¶601551056**
IDC VIII 09 06 29 05.2–.81 30.33N 94.83E 0 3.9,3.8b
NEIC VIII 09 06 29 07.2–.61 30.43N 95.03E 10 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=10.2km az=149.9.
IDC Error ellipse: s-maj=33.3km s-min=15.7km az=55.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.2km az=63.0.
ISC VIII 09 07 36 38.8–.97 30.5N–.10 94.9E–.20 23 3.6b 10 13-77
IDC VIII 09 07 36 34.9–1.7 30.46N 94.81E 0 3.8,3.7 **¶601551059**
ISCJB VIII 09 07 36 36.5–.85 30.5N–.10 94.9E–.20 23 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 09 08 25 52.7–1.0 30.4N–.10 95.0E–.10 23 3.9b 14 3-75
IDC VIII 09 08 25 49.0–.90 30.34N 94.94E 0 4.1,3.9 **¶601533191**
ISCJB VIII 09 08 25 50.7–.75 30.4N–.10 95.0E–.10 23 3.8b,3.5s
NEIC VIII 09 08 25 50.8–.58 30.40N 94.99E 10 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=16.6km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=13.8km az=135.5.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.2km az=219.0.
ISC VIII 09 13 12 04.8–.59 28.44N–.03 86.79E–.03 67–6 4.6b 294 1-122
BJI VIII 09 13 11 58.4 28.23N 86.65E 35 4.7b,4.7b **¶601533522**
MOS VIII 09 13 12 01.7–1.0 28.40N 86.70E 56 5.0b,4.7b
DMN VIII 09 13 12 04.2–.00 28.61N 86.86E 60 5.0b,4.7b
ISCJB VIII 09 13 12 04.7–.27 28.46N–.03 86.80E–.02 86–3 4.5b,4.7b
NDI VIII 09 13 12 04.5–3.8 28.56N 86.84E 35–24 4.7b,4.7L
NEIC VIII 09 13 12 04.9–.67 28.46N 86.74E 70–7 4.7b,4.7L
IDC VIII 09 13 12 05.8–3.1 28.43N 86.80E 75–28 4.5,4.3
ISC Event type ke.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=111.3.
DMN Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=13.4.
NDI Error ellipse: s-maj=17.4km s-min=8.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=215.0.
IDC Error ellipse: s-maj=12.9km s-min=9.2km az=31.0.
ISC VIII 09 13 55 27.4–.57 28.51N–.06 86.82E–.05 34 3.8b 41 2-69
ISCJB VIII 09 13 55 25.9–.39 28.49N–.05 86.77E–.05 34 4.1s,3.8b **¶601551086**
NDI VIII 09 13 55 28.5–2.8 28.52N 86.82E 24–18 3.7L,3.8b
IDC VIII 09 13 55 33.1–8.3 28.39N 86.62E 92–75 4.2s,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=36.0.
NDI Error ellipse: s-maj=10.6km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=52.5km s-min=15.5km az=54.0.
ISC VIII 10 14 49 20.4–.73 34.52N–.08 82.46E–.09 10 3.4b,3.3s 14 7-84
ISCJB VIII 10 14 49 18.6–.72 34.59N–.06 82.3E–.10 10 3.5b,3.3s **¶601553948**
IDC VIII 10 14 49 18.5–1.1 34.41N 82.30E 0 3.8,3.8
BJI VIII 10 14 49 21.2 34.31N 82.38E 10 4.0L,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=7.9km az=23.5.
IDC Error ellipse: s-maj=27.3km s-min=18.1km az=49.0.
ISC VIII 11 15 44 41.2–.71 28.55N–.06 86.89E–.04 59–8 4.2b 64 1-69
NDI VIII 11 15 44 40.3–3.2 28.45N 86.84E 15–17 4.0L **¶601554128**
DMN VIII 11 15 44 41.9–.00 28.60N 86.86E 60 4.0L
IDC VIII 11 15 44 42.5–7.6 28.38N 86.61E 67–70 4.3L,4.1
ISC Event type ke.
NDI Error ellipse: s-maj=10.3km s-min=5.9km az=-1.0.
DMN Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=19.7km az=53.0.
ISC VIII 12 10 47 07.4–.39 35.65N–.02 82.54E–.02 14–2 6.1s,6.0b 1930 6-158
NNC VIII 12 10 47 03.5–2.6 35.67N 82.84E 0 6.5,6.4b **¶601554362**
IDC VIII 12 10 47 04.7–.27 35.71N 82.58E 0 5.9,5.9s
ISCJB VIII 12 10 47 05.3–.07 35.73N–.01 82.56E–.01 13 6.1s,5.9b
MOS VIII 12 10 47 05.1–.95 35.67N 82.54E 14 6.1b,6.1s
NEIC VIII 12 10 47 06.0–.00 36.07N 82.17E 15 6.1b,6.1s
NEIC VIII 12 10 47 06.5–.08 35.66N 82.52E 13 6.3W,6.2W
BJI VIII 12 10 47 07.7 35.94N 82.56E 28 6.3,6.3b
GCMT VIII 12 10 47 11.4–.10 35.88N 82.52E 17–0 6.2W,6.3b
NEIC VIII 12 10 47 25.2–.00 36.54N 82.22E 21 6.2W,6.3b
ISC Event type fe.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=19.3km az=117.0.

IDC Error ellipse: s-maj=8.7km s-min=5.9km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=36.2.
MOS Error ellipse: s-maj=4.9km s-min=2.9km az=125.7.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.60 $M_{\theta\theta}$0.52 $M_{\phi\phi}$2.08 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.45 $M_{\phi r}$-1.25 Best double couple: NP1:ϕ_s13.00000° ,δ59.00000°,λ-91.00000°. NP2:ϕ_s196.00000°,δ31.00000°,λ-88.00000°. Principal axes: T 2.5200,Plg14.0000°,Azm104.0000°; N 0.4000,Plg0.0000°,Azm14.0000° ; P -2.9200,Plg75.0000°,Azm280.0000° $M_0$2.70000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=23.0. Felt at Hotan. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$1.39 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s24.00000°,δ48.00000°,λ-79.00000°. NP2:ϕ_s187.00000°,δ43.00000°,λ-102.00000°. Principal axes: T 1.5500,Plg2.0000° ,Azm106.0000°; N -0.5600,Plg8.0000°,Azm196.0000°; P -1.0000,Plg82.0000° ,Azm360.0000° $M_0$1.40000×10^{18} Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ44.00000°,λ-68.00000°. NP2: ϕ_s25.00000°,δ50.00000°,λ-110.00000°. Principal axes: T Plg3.0000°,Azm129.0000° ; N Plg0.0000°,Azm0.0000°; P Plg74.0000°,Azm230.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c305; s131,c519; Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.96±.01 $M_{\theta\theta}$-0.58±.01; $M_{\phi\phi}$2.54±.01; $M_{r\theta}$0.79±.04; $M_{\theta\phi}$0.59±.01; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s346.00000°,δ55.00000° ,λ-123.00000°. NP2:ϕ_s215.00000°,δ47.00000°,λ-52.00000°. Principal axes: T 2.6750,Plg5.0000°,Azm99.0000°; N -0.2570,Plg26.0000°,Azm7.0000° ; P -2.4220,Plg63.0000°,Azm198.0000° $M_0$2.54800×10^{18}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.48 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$2.65 $M_{r\theta}$1.38 $M_{\theta\phi}$0.57 $M_{\phi r}$0.92 Best double couple: NP1:ϕ_s212.00000° ,δ61.00000°,λ-67.00000°. NP2:ϕ_s351.00000°,δ37.00000°,λ-125.00000°. Principal axes: T 3.0300,Plg13.0000°,Azm286.0000°; N 0.1600,Plg20.0000°,Azm21.0000° ; P -3.1900,Plg66.0000°,Azm165.0000° $M_0$3.10000×10^{18}
ISC VIII 12 11 04 31.5–.84 35.80N–.10 82.6E–.10 10 3.7b 16 9-81
IDC VIII 12 11 04 29.6–.87 35.71N 82.57E 0 4.0,3.8 **¶601554137**
ISCJB VIII 12 11 04 30.2–.70 35.91N–.07 82.7E–.10 10 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 12 11 47 28.5–.91 35.80N–.10 82.6E–.10 35 3.6b 15 9-81
IDC VIII 12 11 47 23.1–.96 35.79N 82.71E 0 3.8,3.7 **¶601554138**
ISCJB VIII 12 11 47 26.7–.73 35.94N–.07 82.7E–.10 33 3.5b,3.7
BJI VIII 12 11 47 30.5 35.88N 82.53E 33 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=16.9km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=9.8km az=163.0.
ISC VIII 12 12 08 41.8–.62 35.79N–.06 82.48E–.07 10 3.6b 33 6-77
ISCJB VIII 12 12 08 39.4–.36 35.79N–.04 82.75E–.09 10 4.3s,3.6b **¶601554139**
IDC VIII 12 12 08 39.9–.81 35.79N 82.74E 0 4.3,4.3s
BJI VIII 12 12 08 43.3 35.84N 82.56E 16 4.2L,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=4.9km az=163.0.
IDC Error ellipse: s-maj=22.1km s-min=15.1km az=47.0.
ISC VIII 12 13 38 11.4–.65 35.93N–.07 82.49E–.06 35 3.9b 52 6-81
IDC VIII 12 13 38 05.7–.82 35.83N 82.53E 0 4.0,3.9 **¶601553254**
NEIC VIII 12 13 38 09.0–2.9 35.89N 82.50E 18–18 4.3b,3.9
BJI VIII 12 13 38 09.0 35.91N 82.47E 26 4.4b,4.3b
ISCJB VIII 12 13 38 10.2–.49 36.07N–.05 82.47E–.05 33 4.0b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 12 14 24 53.9–1.1 35.7N–.10 82.71E–.09 10 3.5b 16 7-51
ISCJB VIII 12 14 24 52.7–.87 35.84N–.08 82.6E–.10 10 3.5b **¶601554140**
IDC VIII 12 14 24 52.9–1.3 35.76N 82.52E 0 3.7,3.7L
BJI VIII 12 14 24 57.7 35.85N 82.47E 52 3.7L,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=10.9km az=175.2.
IDC Error ellipse: s-maj=24.7km s-min=19.0km az=54.0.
ISC VIII 13 19 18 28.6–.64 35.85N–.07 82.60E–.08 35 3.7b,3.2s 29 6-86
IDC VIII 13 19 18 22.9–1.0 35.76N 82.62E 0 3.9,3.8 **¶601557026**
BJI VIII 13 19 18 25.9 35.83N 82.51E 10 4.2b,4.1L
ISCJB VIII 13 19 18 26.4–.39 35.80N–.05 82.49E–.07 33 3.6b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 14 20 33 01.8–.31 35.66N–.04 82.46E–.04 35 4.5b,3.8s 294 6-86
IDC VIII 14 20 32 56.6–.55 35.60N 82.53E 0 4.3,4.2 **¶601561827**
NEIC VIII 14 20 32 57.4–1.6 35.62N 82.51E 6–10 4.7b,4.2
MOS VIII 14 20 32 58.9–1.2 35.63N 82.58E 28 4.6b,4.2
ISCJB VIII 14 20 32 59.8–.14 35.68N–.02 82.52E–.03 33 4.5b,3.8s
BJI VIII 14 20 33 00.5 35.91N 82.48E 7 4.5b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=11.3km az=52.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=217.0.
MOS Error ellipse: s-maj=8.1km s-min=4.5km az=115.5.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=161.2.
ISC VIII 14 22 51 28.6–.59 35.71N–.06 82.58E–.08 10 3.9b,3.3s 41 8-76
ISCJB VIII 14 22 51 26.2–.34 35.74N–.03 82.63E–.08 10 3.9b,3.3s **¶601561830**
IDC VIII 14 22 51 26.2–.77 35.64N 82.64E 0 4.0,3.9
NEIC VIII 14 22 51 27.8–.58 35.67N 82.66E 10 4.0b,3.9
BJI VIII 14 22 51 31.2 36.00N 82.80E 10 4.1b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.1km az=167.9.
IDC Error ellipse: s-maj=21.0km s-min=13.3km az=49.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.3km az=49.0.
ISC VIII 15 22 49 55.0–1.2 35.94N–.09 82.8E–.10 10 3.6b 17 8-76
IDC VIII 15 22 49 52.2–1.3 35.89N 83.27E 0 4.0,3.9 **¶601564023**
BJI VIII 15 22 49 53.8 35.80N 82.52E 14 3.7L,3.9
NNC VIII 15 22 49 57.8–4.5 36.33N 83.21E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=58.9km s-min=18.0km az=63.0.
NNC Event type se. Error ellipse: s-maj=65.5km s-min=35.0km az=75.0.
ISC VIII 16 04 46 03.5–.66 30.33N–.09 94.75E–.10 35 3.9b 49 3-86
IDC VIII 16 04 45 58.4–.77 30.32N 94.77E 0 4.0L,3.9 **¶601564032**
NEIC VIII 16 04 46 00.8–2.8 30.29N 94.71E 16–18 4.2b,3.9
ISCJB VIII 16 04 46 01.1–.40 30.30N–.05 94.81E–.06 33 4.0b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 16 15 03 26.3–3.0 35.8N–.20 82.6E–.20 35 8 9-73
IDC VIII 16 15 03 19.0–4.7 35.61N 82.75E 0 3.5,3.5 **¶606363001**
BJI VIII 16 15 03 24.9 35.73N 82.46E 9 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=87.5km s-min=35.6km az=36.0.
ISC VIII 19 06 36 20.1–.61 35.91N–.06 82.51E–.08 10 3.9b 40 8-77
ISCJB VIII 19 06 36 18.1–.34 35.91N–.03 82.54E–.08 10 3.8b,3.2s **¶601566534**
IDC VIII 19 06 36 18.2–.68 35.78N 82.50E 0 4.1,3.9
NEIC VIII 19 06 36 19.9–.49 35.83N 82.50E 10 4.6b,3.9
BJI VIII 19 06 36 21.6 35.92N 82.43E 7 4.0b,4.0b
NNC VIII 19 06 36 22.9–3.0 36.11N 83.01E 15–18 4.5,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.1km az=166.5.
IDC Error ellipse: s-maj=22.0km s-min=13.4km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.5km az=47.0.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=18.0km az=71.0.
ISC VIII 20 05 55 16.5–1.5 35.7N–.10 82.4E–.20 35 3.4b 10 9-74
IDC VIII 20 05 55 11.5–1.9 35.62N 82.59E 0 3.6,3.4 **¶601566546**
ISCJB VIII 20 05 55 15.2–1.2 35.84N–.08 82.6E–.20 33 3.2b,2.5s
BJI VIII 20 05 55 15.8 35.74N 82.53E 7 3.6L,2.5s
ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=20.9km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=11.9km az=179.4.
ISC VIII 26 05 18 22.7–.40 35.19N–.05 89.66E–.04 10 4.3s,4.2b 72 6-98
IDC VIII 26 05 18 19.9–.65 35.08N 89.69E 0 4.3,4.3s **¶601626451**
ISCJB VIII 26 05 18 20.3–.24 35.20N–.03 89.68E–.03 10 4.3s,4.1b
NEIC VIII 26 05 18 21.9–.39 35.18N 89.69E 10 4.5b,4.1b

GCMT VIII 26 05 18 23.9–.20 35.17N–.01 89.79E–.01 18–1 5.0W,4.1b
BJI VIII 26 05 18 23.2 35.27N 89.91E 8 4.9b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=13.4km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=9.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=221.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c46; s96,c170;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13±.14 $M_{\theta\theta}$-2.37±.10; $M_{\phi\phi}$3.50±.12; $M_{r\theta}$-0.59±.26; $M_{\theta\phi}$2.64±.08; $M_{\phi r}$0.52±.25; Best double couple: NP1:ϕ_s157.00000°,δ80.00000°,λ-166.00000°. NP2:ϕ_s65.00000°,δ76.00000°,λ-10.00000°. Principal axes: T 4.5260,Plg3.0000° ,Azm291.0000°; N -0.9240,Plg73.0000°,Azm191.0000°; P -3.6020,Plg17.0000° ,Azm22.0000° $M_0$4.06400×10^{16}
ISC VIII 27 20 08 00.5–.74 35.08N–.06 89.48E–.09 10 3.8b,3.4s 16 6-81
ISCJB VIII 27 20 07 58.4–.58 35.07N–.04 89.52E–.08 10 3.6b,3.4s **¶601628306**
IDC VIII 27 20 07 58.8–.94 35.00N 89.59E 0 3.8,3.7
BJI VIII 27 20 07 58.7 35.15N 89.55E 7 3.9L,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=167.0.
IDC Error ellipse: s-maj=38.2km s-min=17.1km az=62.0.
ISC IX 06 05 05 32.8–1.2 35.7N–.10 82.9E–.20 10 3.5b 8 10-76
ISCJB IX 06 05 05 31.1–.94 35.79N–.08 83.0E–.20 10 3.5b **¶601695713**
IDC IX 06 05 05 31.1–.98 35.67N 82.85E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.1km s-min=11.4km az=173.7.
IDC Error ellipse: s-maj=33.8km s-min=17.7km az=56.0.
ISC IX 08 15 41 49.4–.78 29.9N–.10 88.1E–.10 37 3.6b 15 15-80
ISCJB IX 08 15 41 47.6–.60 29.85N–.10 88.0E–.10 37 3.6b **¶601698211**
IDC IX 08 15 41 50.2–5.1 29.90N 88.06E 43–49 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=11.2km az=144.5.
IDC Error ellipse: s-maj=26.3km s-min=16.9km az=45.0.
BJI IX 13 21 01 12.5 32.83N 88.96E 8 3.6b,3.4s
¶601714109
ISC IX 15 23 12 12.9–.71 30.01N–.06 92.01E–.07 10 3.7b,3.2s 16 1-75
ISCJB IX 15 23 12 11.2–.60 30.02N–.07 92.09E–.07 10 3.7b,3.2s **¶601724867**
NEIC IX 15 23 12 12.8–.44 30.03N 92.00E 10 4.0b,3.2s
IDC IX 15 23 12 17.6–3.6 30.17N 92.32E 38–34 4.0L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=146.3.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=60.0.
IDC Error ellipse: s-maj=31.2km s-min=15.1km az=63.0.
ISC IX 22 01 03 07.6–.78 32.20N–.09 89.36E–.08 10 3.6b,3.5s 14 3-81
IDC IX 22 01 03 04.7–.85 31.98N 89.45E 0 3.8,3.6 **¶601736481**
ISCJB IX 22 01 03 06.1–.73 32.26N–.10 89.43E–.08 10 3.5b,3.5s
BJI IX 22 01 03 06.0 32.39N 89.40E 7 4.2s,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=16.9km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.1km az=26.6.
IDC IX 22 01 10 31.8–3.9 31.39N 88.41E 0 3.7,3.5
¶601738358
IDC Error ellipse: s-maj=238.1km s-min=21.7km az=66.0.
ISC IX 24 06 52 37.7–.47 30.93N–.06 84.28E–.05 35 4.0b,3.1s 61 4-77
IDC IX 24 06 52 32.5–.89 30.96N 84.42E 0 4.4L,4.1 **¶601740251**
ISCJB IX 24 06 52 35.7–.33 30.95N–.04 84.32E–.04 33 4.0b,3.1s
NEIC IX 24 06 52 37.8–2.0 30.99N 84.44E 34–15 4.2b,3.1s
NDI IX 24 06 52 38.2–3.1 31.01N 84.39E 33 3.6L,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=16.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.0km az=168.1.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.7km az=219.0.
NDI Error ellipse: s-maj=23.3km s-min=18.7km az=-1.0.
IDC IX 24 10 51 23.8–1.1 33.68N 87.30E 0 3.7,3.7
¶601864091
IDC Error ellipse: s-maj=54.6km s-min=20.4km az=60.0.
ISC X 02 00 44 11.5–.95 30.4N–.10 83.8E–.20 26 3.6b 11 16-77
IDC X 02 00 44 07.5–.95 30.37N 83.75E 0 3.9L,3.8 **¶601781349**
ISCJB X 02 00 44 09.6–.74 30.4N–.10 83.8E–.20 26 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC X 03 04 52 50.2–2.1 31.07N 91.80E 0 3.7,3.5
¶601783809
IDC Error ellipse: s-maj=79.3km s-min=25.0km az=72.0.
ISC X 12 04 50 55.4–.97 31.23N–.10 98.85E–.08 10 3.9b 9 4-64
ISCJB X 12 04 50 53.1–.75 31.21N–.08 98.92E–.07 10 3.9b **¶601828943**
IDC X 12 04 50 53.6–1.2 31.32N 99.12E 0 4.2L,3.9
BJI X 12 04 50 55.5 31.09N 98.66E 6 3.2L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.4km az=21.6.
IDC Error ellipse: s-maj=93.8km s-min=21.5km az=59.0.
ISC X 14 08 15 28.2–.54 31.98N–.06 84.90E–.08 10 4.0b,3.3s 46 4-77
ISCJB X 14 08 15 26.8–.38 32.00N–.05 84.89E–.07 10 4.0b,3.3s **¶601834052**
IDC X 14 08 15 26.5–.86 32.00N 84.79E 0 4.1L,3.9
NEIC X 14 08 15 28.6–.32 32.01N 84.92E 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.3km az=151.6.
IDC Error ellipse: s-maj=30.0km s-min=17.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=62.0.
IDC X 15 15 13 60.0–9.0 29.46N 84.63E 0 3.6,3.5b
¶601998348
IDC Error ellipse: s-maj=421.5km s-min=40.8km az=71.0.
IDC X 17 22 01 26.4–2.3 30.63N 82.24E 0 3.6,3.5
¶601998714
IDC Error ellipse: s-maj=106.5km s-min=26.7km az=63.0.
ISC X 18 12 02 29.6–.83 34.80N–.09 80.1E–.10 35 3.4b 12 7-77
IDC X 18 12 02 23.5–.99 34.59N 79.92E 0 3.6,3.5 **¶601839507**
ISCJB X 18 12 02 27.3–.62 34.80N–.06 80.1E–.10 35 3.4s,3.3b
ISC Event type ke.
ISCJB Event type ke.
ISC X 18 22 31 22.7–1.0 33.1N–.10 84.1E–.20 35 3.7b 13 5-74
IDC X 18 22 31 17.8–1.3 33.20N 84.50E 0 3.9,3.7b **¶601998854**
ISCJB X 18 22 31 20.9–.82 33.19N–.07 84.2E–.20 33 3.7b,3.7b
DMN X 18 22 31 22.5–14 32.85N 83.76E 10 4.4b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=100.7km s-min=24.5km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=28.8km s-min=9.7km az=170.5.
DMN Event type ke. Error ellipse: s-maj=357.6km s-min=21.0km az=174.0.
ISC X 20 18 27 07.8–.57 28.44N–.04 91.95E–.04 10 3.9b 63 1-77
IDC X 20 18 27 05.6–.83 28.27N 91.74E 0 4.0,3.8 **¶601842408**
ISCJB X 20 18 27 06.8–.28 28.48N–.03 91.95E–.03 10 3.9b,3.3s
NEIC X 20 18 27 09.8–2.6 28.32N 91.84E 26–20 4.2b,3.3s
NDI X 20 18 27 10.6–2.6 28.42N 91.95E 15 4.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=15.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.2km az=66.0.
NDI Error ellipse: s-maj=9.6km s-min=6.5km az=-1.0.
ISC X 24 10 30 42.5–.99 34.9N–.10 80.9E–.20 16 3.4b,2.6s 9 12-74
ISCJB X 24 10 30 40.8–.86 35.0N–.10 80.9E–.20 16 3.3b,2.5s **¶601848589**
IDC X 24 10 30 40.1–.98 34.97N 80.95E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=14.0km az=163.5.
IDC Error ellipse: s-maj=26.5km s-min=22.1km az=41.0.
ISC X 25 22 11 19.3–.99 36.0N–.10 82.7E–.10 10 3.7b 12 9-74
ISCJB X 25 22 11 17.6–.81 36.06N–.07 82.7E–.10 10 3.8s,3.5b **¶601848640**
IDC X 25 22 11 17.5–1.1 35.90N 82.60E 0 3.8,3.6
BJI X 25 22 11 19.3 35.90N 82.56E 8 3.9b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=10.0km az=164.5.
IDC Error ellipse: s-maj=29.1km s-min=16.7km az=53.0.
ISC X 29 10 43 50.3–.39 34.39N–.05 82.50E–.05 35 4.1b,3.2s 99 6-148

IDC X 29 10 43 44.6–.55 34.24N 82.39E 0 4.2,4.1 **¶601860648**
BJI X 29 10 43 47.8 34.38N 82.41E 7 4.0b,3.6L
ISCJB X 29 10 43 48.5–.22 34.44N–.03 82.40E–.05 33 4.1b,3.2s
NEIC X 29 10 43 49.9–.22 34.30N 82.42E 35 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=157.7.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=50.0.
ISC XI 02 06 32 36.5–.67 35.60N–.07 88.57E–.08 35 3.6b,3.5s 21 8-80
BJI XI 02 06 32 30.1 35.57N 88.39E 6 4.2L,4.1b **¶601868133**
IDC XI 02 06 32 32.0–.90 35.66N 88.82E 0 3.8,3.6
ISCJB XI 02 06 32 33.7–.44 35.60N–.04 88.49E–.07 33 3.5b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 05 05 37 09.7–.69 32.99N–.08 85.2E–.10 35 3.8b 22 5-84
ISCJB XI 05 05 37 07.9–.45 33.02N–.04 85.2E–.10 33 3.7b **¶601877534**
IDC XI 05 05 37 12.2–5.0 32.98N 85.08E 63–46 4.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=5.9km az=178.6.
IDC Error ellipse: s-maj=31.5km s-min=17.6km az=52.0.
ISC XI 05 13 07 59.7–.29 28.35N–.03 86.21E–.03 75–2 4.5b 311 1-153
MOS XI 05 13 07 55.0–.81 28.31N 86.09E 46 4.7b **¶601874312**
BJI XI 05 13 07 55.8 28.48N 86.17E 60 4.7b,4.6b
ISCJB XI 05 13 07 56.6–.35 28.43N–.02 86.25E–.02 58–4 4.4b,3.5s
NDI XI 05 13 07 56.6–2.7 28.44N 86.20E 20–12 4.5b,4.5L
DMN XI 05 13 07 58.1–.34 28.59N 86.26E 50 5.6L,4.5L
NEIC XI 05 13 08 00.0–.23 28.45N 86.19E 78 4.5b,4.5L
IDC XI 05 13 08 00.2–.35 28.34N 86.15E 77–3 4.3,4.1
ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.7km az=21.8.
NDI Error ellipse: s-maj=6.8km s-min=3.8km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=7.6km s-min=4.0km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=46.0. Felt at Chongdui. Felt [III] at Kathmandu, Nepal. Also felt at Bhaktapur, Patan and Pokhara.
IDC Error ellipse: s-maj=9.2km s-min=7.2km az=57.0.
ISC XI 14 21 00 11.2–.77 34.84N–.09 80.7E–.10 35 3.5b 19 7-77
IDC XI 14 21 00 05.8–.88 34.73N 80.68E 0 3.6,3.5 **¶602389405**
ISCJB XI 14 21 00 09.0–.58 34.88N–.07 80.8E–.20 33 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 15 00 00 28.0–.43 32.80N–.04 92.21E–.06 14 4.0b 52 3-83
IDC XI 15 00 00 25.7–.68 32.76N 92.26E 0 4.0,3.9 **¶601901490**
ISCJB XI 15 00 00 26.2–.31 32.80N–.04 92.26E–.04 14 4.4s,3.9b
BJI XI 15 00 00 27.6 32.78N 92.24E 5 4.3b,4.3b
NEIC XI 15 00 00 31.4–.98 32.82N 92.27E 40–12 4.1b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=13.9km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=5.2km az=15.9.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.8km az=53.0.
ISC XI 15 01 59 23.0–.99 33.9N–.10 83.2E–.20 35 15 6-72
IDC XI 15 01 59 10.0–3.5 32.33N 80.39E 0 3.6,3.4 **¶602389425**
ISCJB XI 15 01 59 21.0–.80 33.97N–.08 83.2E–.30 33 3.1b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC XI 22 19 55 56.9–.66 32.77N–.08 88.30E–.10 35 3.9b,3.1s 31 5-80
IDC XI 22 19 55 50.8–.83 32.46N 88.20E 0 3.9,3.7 **¶601993791**
ISCJB XI 22 19 55 54.9–.41 32.78N–.04 88.36E–.07 33 3.8b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 23 18 44 38.5–.94 34.64N–.09 80.6E–.20 35 3.2b 16 7-77
IDC XI 23 18 44 34.2–1.5 34.67N 80.63E 0 3.5,3.5b **¶602389904**
ISC Event type ke.
IDC Error ellipse: s-maj=60.8km s-min=19.1km az=60.0.
ISC XI 26 16 36 50.8–.45 32.59N–.05 88.32E–.04 10 3.9b,3.3s 74 4-150
IDC XI 26 16 36 48.9–.74 32.53N 88.50E 0 3.8,3.7 **¶601994604**
ISCJB XI 26 16 36 49.7–.25 32.69N–.03 88.34E–.04 10 3.8b,3.4s
BJI XI 26 16 36 51.0 32.71N 88.41E 6 4.4b,4.3b
NEIC XI 26 16 36 54.1–.52 32.69N 88.36E 35 4.0b,4.3b
NDI XI 26 16 36 55.0–2.4 32.55N 88.32E 24–25 3.1L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=15.2km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=177.8.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=50.0.
NDI Error ellipse: s-maj=15.0km s-min=10.9km az=-1.0.
ISC XII 01 03 34 03.4–.56 34.85N–.07 80.66E–.06 10 3.7b 35 6-82
ISCJB XII 01 03 34 01.9–.34 34.85N–.04 80.61E–.06 10 3.7b **¶602052851**
IDC XII 01 03 34 01.1–.69 34.76N 80.72E 0 3.9,3.8
NEIC XII 01 03 34 02.9–.43 34.77N 80.72E 10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=149.5.
IDC Error ellipse: s-maj=21.5km s-min=13.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.8km az=47.0.
ISC XII 08 13 41 34.2–1.4 30.8N–.20 85.5E–.30 35 3.4b 8 16-86
IDC XII 08 13 41 28.9–1.4 30.88N 85.48E 0 4.0,4.0s **¶602033184**
ISCJB XII 08 13 41 32.1–1.2 30.8N–.20 85.4E–.30 33 3.9s,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 09 17 54 17.2–.63 30.11N–.09 88.17E–.08 35 3.8b 26 3-149
DMN XII 09 17 53 54.9–9.6 31.19N 89.16E 10 4.8b **¶602036547**
IDC XII 09 17 54 11.1–.82 29.93N 87.94E 0 3.9,3.8b
ISCJB XII 09 17 54 15.3–.47 30.15N–.05 88.24E–.07 33 3.8b,3.8b
ISC Event type ke.
DMN Event type ke.
ISCJB Event type ke.
ISC XII 18 14 26 12.8–.39 33.09N–.05 84.38E–.04 35 4.0b,3.5s 94 6-146
IDC XII 18 14 26 07.8–.64 33.10N 84.43E 0 4.1,4.0 **¶602047022**
BJI XII 18 14 26 07.8 33.25N 84.25E 7 4.7b,4.4b
NDI XII 18 14 26 08.5–3.2 33.28N 84.57E 10 4.0b,3.9L
NEIC XII 18 14 26 09.3–.34 33.13N 84.41E 10 4.0b,3.9L
ISCJB XII 18 14 26 10.7–.24 33.16N–.03 84.39E–.03 33 3.9b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 19 23 02 28.1–2.1 30.9N–.30 81.8E–.40 35 6 15-71
IDC XII 19 23 02 20.8–5.1 30.60N 81.12E 0 3.8,3.6 **¶602391689**
ISC Event type ke.
IDC Error ellipse: s-maj=170.8km s-min=26.9km az=66.0.
ISC XII 21 02 23 53.7–.44 28.46N–.06 88.73E–.03 100 4.1b 107 1-150
NEIC XII 21 02 23 49.4–.76 28.57N 88.54E 45–7 4.2b **¶602054779**
ISCJB XII 21 02 23 51.7–.22 28.43N–.03 88.71E–.02 100 4.0b
NDI XII 21 02 23 51.1–2.5 28.56N 88.57E 45 4.2b,4.2L
DMN XII 21 02 23 52.1–.76 28.66N 88.75E 60 4.5L,4.2L
IDC XII 21 02 23 53.7–6.5 28.64N 88.62E 83–57 4.4L,4.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=222.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=15.0.
NDI Error ellipse: s-maj=6.9km s-min=4.1km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=16.4km s-min=15.0km az=154.0.
IDC Error ellipse: s-maj=23.9km s-min=15.1km az=35.0.
ISC XII 27 08 50 02.2–.72 34.48N–.08 80.1E–.10 28 3.8b 21 7-83
IDC XII 27 08 49 56.9–.85 34.32N 79.92E 0 3.9,3.8b **¶602380701**
ISCJB XII 27 08 50 00.2–.54 34.52N–.05 80.1E–.20 28 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 13 18 56.5–1.0 33.97N–.09 85.7E–.20 35 12 6-82
IDC XII 27 13 18 48.1–5.1 33.50N 85.55E 0 3.3,3.2 **¶602380718**
ISCJB XII 27 13 18 54.5–.62 33.96N–.05 85.6E–.30 33 3.2b,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC XII 29 10 00 48.5–.47 30.03N–.06 88.15E–.06 37 4.0b 44 3-89

NDI XII 29 10 00 46.8–2.4 30.03N 88.23E 10 2.9L ¶602068321
ISCJB XII 29 10 00 47.1–.32 29.97N–.05 88.10E–.06 37 3.9b
IDC XII 29 10 00 50.3–4.4 30.02N 88.20E 51–39 3.9,3.9
ISC Event type ke.
NDI Error ellipse: s-maj=11.5km s-min=8.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=144.2.
IDC Error ellipse: s-maj=21.5km s-min=12.8km az=34.0.

(307) Sichuan.

ISC VII 01 09 53 46.9–1.0 29.98N–.06 102.54E–.09 10 3.5b 14 1-61
ISCJB VII 01 09 53 43.8–.81 29.81N–.05 102.67E–.07 10 3.4b ¶601221093
IDC VII 01 09 53 44.6–1.3 29.80N 102.56E 0 3.6,3.6L
BJI VII 01 09 53 46.4 30.03N 102.45E 10 3.6L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.0km az=159.3.
IDC Error ellipse: s-maj=83.2km s-min=22.9km az=60.0.
ISC VII 01 22 17 59.7–.45 31.74N–.03 103.61E–.04 13 4.0b 66 1-81
IDC VII 01 22 17 57.9–.98 31.73N 103.67E 0 3.9,3.8 ¶601221102
ISCJB VII 01 22 17 58.4–.27 31.76N–.03 103.66E–.03 13 3.8b,3.8
BJI VII 01 22 17 59.4 31.72N 103.51E 18 4.1b,4.1L
NEIC VII 01 22 18 01.6–2.5 31.75N 103.61E 23–19 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=18.5km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.9km az=171.2.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.2km az=199.0.
ISC VII 13 19 18 50.6–.56 29.46N–.05 102.98E–.06 10 4.2b 51 2-66
ISCJB VII 13 19 18 47.7–.33 29.30N–.04 103.07E–.05 10 4.3b ¶601276201
IDC VII 13 19 18 48.1–.73 29.31N 102.98E 0 3.8,3.8
NEIC VII 13 19 18 49.7–.22 29.31N 102.97E 10 4.8b,3.8
BJI VII 13 19 18 49.9 29.35N 103.06E 18 3.6L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.3km az=167.5.
IDC Error ellipse: s-maj=26.9km s-min=13.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=51.0.
ISC VII 14 05 50 27.1–.85 31.38N–.04 103.18E–.07 10 3.6b 17 1-62
ISCJB VII 14 05 50 23.8–.89 31.48N–.04 103.22E–.09 10 3.5b ¶601276265
BJI VII 14 05 50 29.5 31.38N 103.33E 20 3.6L,3.4s
IDC VII 14 05 50 47.3–5.1 29.28N 106.49E 0 4.0L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.2km az=165.1.
IDC Error ellipse: s-maj=120.4km s-min=35.5km az=129.0.
ISC VII 16 14 35 54.6–.73 29.5N–.10 107.60E–.09 10 3.9b 18 2-59
ISCJB VII 16 14 35 52.7–.57 29.49N–.08 107.54E–.07 10 3.9b ¶601404362
IDC VII 16 14 35 53.9–.89 29.57N 107.59E 0 4.0,4.0b
NEIC VII 16 14 35 54.3–5.0 29.52N 107.57E 7–34 4.2b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=7.9km az=156.5.
IDC Error ellipse: s-maj=35.6km s-min=17.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.2km az=111.0.
IDC VII 17 02 50 49.0–1.3 31.60N 109.89E 0 3.7,3.5
¶601405033
IDC Error ellipse: s-maj=54.2km s-min=25.0km az=59.0.
ISC VII 17 20 18 45.9–.54 28.99N–.04 102.49E–.05 10 4.2b 65 2-60
ISCJB VII 17 20 18 44.0–.29 29.03N–.03 102.60E–.03 10 4.2b,3.1s ¶601404378
BJI VII 17 20 18 45.2 29.01N 102.26E 14 4.1b,4.1b
IDC VII 17 20 18 48.6–6.0 29.01N 102.56E 33–50 3.9,3.8L
NEIC VII 17 20 18 50.8–.77 29.02N 102.54E 55–8 4.2b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=4.0km az=167.6.
IDC Error ellipse: s-maj=25.0km s-min=14.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=210.0.
ISC VII 23 04 43 16.8–.72 29.22N–.06 100.07E–.06 10 3.9b 21 4-73
ISCJB VII 23 04 43 14.2–.78 29.25N–.08 100.23E–.06 10 3.8b,3.0s ¶601457929
IDC VII 23 04 43 15.5–1.1 29.53N 100.51E 0 4.1,4.1b
BJI VII 23 04 43 16.4 29.23N 100.10E 10 3.6,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.9km az=157.4.
IDC Error ellipse: s-maj=38.1km s-min=19.0km az=67.0.
ISC VII 24 15 50 07.4–.88 29.07N–.05 102.44E–.10 10 3.5b 13 2-61
IDC VII 24 15 50 03.9–1.2 28.71N 101.94E 0 3.7L,3.6 ¶601467933
BJI VII 24 15 50 08.6 29.08N 102.38E 10 3.5L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=20.8km az=61.0.
ISC VII 27 21 28 14.8–1.1 30.89N–.03 103.47E–.04 5–7 4.4b,3.2s 166 0-95
IDC VII 27 21 28 12.9–.58 30.84N 103.50E 0 4.2,4.1 ¶601483962
ISCJB VII 27 21 28 13.9–.96 30.82N–.02 103.47E–.03 15–6 4.4b,3.2s
BJI VII 27 21 28 15.5 30.84N 103.37E 15 4.4b,4.3b
NEIC VII 27 21 28 15.0–.20 30.88N 103.51E 10 4.6b,4.3b
MOS VII 27 21 28 16.2–1.0 30.81N 103.52E 33 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=12.5km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=149.8.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=81.0.
MOS Error ellipse: s-maj=9.2km s-min=6.0km az=107.8.
ISC VII 28 05 09 15.1–.48 28.40N–.04 104.87E–.04 19 4.0b 51 3-84
IDC VII 28 05 09 12.0–.79 28.43N 104.97E 0 4.4L,3.9 ¶601483974
ISCJB VII 28 05 09 12.9–.33 28.39N–.04 104.88E–.05 19 4.0b,3.9
NEIC VII 28 05 09 13.8–.34 28.45N 104.88E 10 4.6b,3.9
BJI VII 28 05 09 15.3 28.41N 104.84E 12 4.1L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=16.5km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=159.9.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.8km az=87.0.
IDC VII 30 14 42 02.9–1.6 29.53N 100.89E 0 3.6,3.3b
¶601650772
IDC Error ellipse: s-maj=471.8km s-min=29.1km az=55.0.
ISC VII 30 19 55 30.7–1.4 28.4N–.20 105.1E–.20 19 3.4b 6 11-59
IDC VII 30 19 55 27.9–1.2 28.40N 105.03E 0 3.5,3.4b ¶601497404
ISCJB VII 30 19 55 28.5–1.0 28.4N–.10 105.1E–.20 19 3.3b,2.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 01 11 54 36.5–.53 32.20N–.03 104.71E–.05 15 4.0b 29 2-80
ISCJB VIII 01 11 54 34.7–.40 32.17N–.04 104.75E–.06 15 3.8b,2.6s ¶601503280
IDC VIII 01 11 54 34.4–.77 32.13N 104.62E 0 4.0,3.9
BJI VIII 01 11 54 37.3 32.20N 104.59E 15 4.1b,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.0km az=26.9.
IDC Error ellipse: s-maj=32.0km s-min=15.4km az=49.0.
ISC VIII 14 17 30 08.5–.87 31.50N–.05 102.99E–.06 10 3.6b 19 1-64
ISCJB VIII 14 17 30 07.0–.61 31.64N–.04 103.13E–.06 10 3.5b,2.7s ¶601564682
IDC VIII 14 17 30 07.3–1.1 31.42N 102.85E 0 3.7,3.6
BJI VIII 14 17 30 08.4 31.56N 103.00E 6 3.5,3.5L
ISC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.2km az=159.2.
IDC Error ellipse: s-maj=40.1km s-min=18.6km az=53.0.
IDC VIII 16 10 17 49.5–1.3 28.23N 104.09E 0 3.7,3.6b
¶601565270
IDC Error ellipse: s-maj=43.3km s-min=22.4km az=68.0.
IDC VIII 19 18 44 00.1–1.2 28.44N 105.24E 0 3.8,3.6
¶601566536
IDC Error ellipse: s-maj=35.0km s-min=25.3km az=68.0.
IDC VIII 22 21 12 23.1–1.6 27.95N 101.31E 0 3.6,3.4
¶601625786
IDC Error ellipse: s-maj=404.1km s-min=29.0km az=55.0.
IDC VIII 22 23 28 50.2–1.4 28.10N 101.58E 0 3.9,3.8
¶601625798
IDC Error ellipse: s-maj=48.3km s-min=25.1km az=70.0.
ISC VIII 25 08 52 51.0–.55 28.40N–.03 104.83E–.05 19 3.9b 34 3-78
IDC VIII 25 08 52 47.1–.87 28.39N 104.91E 0 4.1L,4.0 ¶601627626
ISCJB VIII 25 08 52 48.1–.49 28.33N–.06 104.90E–.07 19 3.9b,2.7s
NEIC VIII 25 08 52 49.0–.45 28.35N 104.84E 10 4.4b,2.7s
BJI VIII 25 08 52 52.8 28.39N 104.83E 6 3.7L,2.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=17.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=40.1.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=9.0km az=178.0.
BJI IX 02 23 47 05.6 31.29N 103.52E 20 3.6L,3.6s
¶601671990
IDC IX 14 08 36 22.4–3.6 29.31N 107.19E 0 3.4,3.3
¶601863517
IDC Error ellipse: s-maj=614.3km s-min=29.0km az=54.0.
IDC IX 26 14 45 24.9–1.2 29.80N 106.17E 0 3.8,3.7
¶601751815
IDC Error ellipse: s-maj=226.1km s-min=19.3km az=56.0.
ISC X 02 05 26 59.4–.72 32.70N–.04 105.52E–.05 10 4.0b 19 2-62
ISCJB X 02 05 26 56.8–.58 32.63N–.04 105.58E–.06 10 3.8b ¶601781369
IDC X 02 05 26 56.6–1.6 33.37N 106.69E 0 4.0,3.8
BJI X 02 05 27 00.5 32.75N 105.48E 13 3.8b,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=35.9.
IDC Error ellipse: s-maj=215.9km s-min=23.0km az=54.0.
IDC X 07 07 09 35.0–1.4 27.80N 102.13E 0 4.1L,3.8
¶601997348
IDC Error ellipse: s-maj=64.4km s-min=26.1km az=62.0.
ISC X 08 15 05 58.4–.56 31.44N–.04 104.06E–.06 14 4.0b 42 1-72
IDC X 08 15 05 56.7–.74 31.38N 104.06E 0 3.9,3.8 ¶601795693
ISCJB X 08 15 05 57.3–.34 31.36N–.03 104.11E–.05 14 4.1b,3.6s
BJI X 08 15 05 59.5 31.42N 103.92E 20 3.9L,3.5s
NEIC X 08 15 06 02.2–.72 31.40N 104.09E 38–7 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=14.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=1.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=64.0.
ISC X 09 05 55 52.9–.97 29.01N–.05 103.95E–.09 17 3.9b,3.6s 15 2-60
IDC X 09 05 55 49.0–1.1 28.81N 103.74E 0 4.0,3.8b ¶601825897
ISCJB X 09 05 55 50.4–.84 28.90N–.09 103.8E–.10 17 3.8b,3.3s
BJI X 09 05 55 51.0 28.98N 103.87E 13 3.3L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=21.1km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=9.5km az=146.4.
IDC X 16 12 54 35.5–1.4 28.68N 101.18E 0 4.6,4.6s
¶601998528
IDC Error ellipse: s-maj=70.8km s-min=26.3km az=61.0.
ISC X 17 00 19 47.2–.93 30.34N–.07 101.82E–.07 10 12 2-59
ISCJB X 17 00 19 44.7–.79 30.31N–.06 101.76E–.06 10 3.2b ¶601838780
IDC X 17 00 19 45.0–1.4 30.26N 102.26E 0 3.9,3.7
BJI X 17 00 19 46.0 30.21N 101.71E 10 3.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.3km az=161.7.
IDC Error ellipse: s-maj=58.0km s-min=22.5km az=69.0.
BJI X 17 23 51 33.3 32.74N 105.61E 6 3.8L
¶601838148
ISC X 18 22 04 44.5–.51 30.86N–.06 99.82E–.05 10 4.0b 49 6-90
ISCJB X 18 22 04 42.5–.44 30.72N–.06 99.75E–.05 10 3.9b,3.6s ¶601838851
IDC X 18 22 04 43.0–.70 30.77N 99.81E 0 4.0,3.9
NEIC X 18 22 04 44.9–.46 30.87N 99.78E 10 4.1b,3.9
BJI X 18 22 04 45.0 30.83N 99.85E 10 3.4L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.6km az=153.0.
IDC Error ellipse: s-maj=20.8km s-min=15.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.1km az=202.0.
ISC X 19 02 44 17.0–.50 30.14N–.05 102.92E–.05 30–3 4.2b,3.2s 105 1-73
NEIC X 19 02 44 14.3–.33 30.13N 102.82E 10 4.3L,4.3b ¶601838858
MOS X 19 02 44 15.4–1.3 30.11N 102.91E 33 4.3b,4.3b
BJI X 19 02 44 16.5 30.14N 102.86E 26 4.4b,4.3b
IDC X 19 02 44 16.5–.52 30.09N 102.89E 29–3 4.1,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.2km az=37.0.
MOS Error ellipse: s-maj=11.6km s-min=6.6km az=108.0.
IDC Error ellipse: s-maj=19.7km s-min=9.4km az=50.0.
ISC X 23 02 14 25.8–1.1 30.97N–.04 103.67E–.07 11–6 3.8b,3.0s 19 0-67
ISCJB X 23 02 14 22.9–.63 31.03N–.03 103.92E–.05 8–5 3.8b,3.0s ¶601842536
IDC X 23 02 14 22.9–1.0 31.59N 104.69E 0 4.6L,4.0
BJI X 23 02 14 28.3 30.96N 103.65E 19 3.8L,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=4.4.
IDC Error ellipse: s-maj=72.1km s-min=18.3km az=57.0.
ISC X 24 02 48 01.5–1.1 28.4N–.10 104.3E–.20 35 3.8b 6 11-84
IDC X 24 02 47 56.5–.99 28.39N 104.46E 0 4.1L,4.0 ¶601848556
ISCJB X 24 02 47 59.9–.00 28.2N–.10 104.3E–.20 33 3.7b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC X 24 07 47 36.0–.69 31.21N–.04 103.51E–.07 16 3.9b 25 0-72
BJI X 24 07 47 34.5 31.29N 103.77E 22 4.1b,3.8L ¶601844015
IDC X 24 07 47 34.3–1.0 31.20N 103.86E 0 4.0,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=18.5km az=61.0.
IDC X 25 15 46 18.5–821 29.59N 103.09E 0
¶601999623
IDC Error ellipse: s-maj=375.5km s-min=215.6km az=67.0.
IDC X 28 10 34 08.3–3.2 29.33N 107.18E 0 3.6s,3.6
¶602000037
IDC Error ellipse: s-maj=540.5km s-min=29.6km az=54.0.
ISC XI 10 14 19 32.9–.36 29.40N–.03 105.24E–.04 10 4.4b,3.3s 96 2-95
ISCJB XI 10 14 19 30.5–.25 29.37N–.02 105.29E–.04 10 4.2b,3.2s ¶601883738
IDC XI 10 14 19 30.5–.49 29.33N 105.34E 0 4.3,4.2
BJI XI 10 14 19 33.6 29.32N 105.22E 25 4.6b,4.4b
NEIC XI 10 14 19 35.8–.24 29.31N 105.29E 35 4.4L,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=165.7.
IDC Error ellipse: s-maj=17.4km s-min=11.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.9km az=70.0.
ISC XI 10 22 01 31.7–.85 29.33N–.02 105.37E–.03 14–5 4.6b,3.5s 217 2-148
ISCJB XI 10 22 01 29.4–.72 29.33N–.02 105.36E–.03 9–4 4.4b,3.4s ¶601883753
IDC XI 10 22 01 29.7–.51 29.32N 105.31E 0 4.3,4.2L
MOS XI 10 22 01 31.2–.94 29.29N 105.41E 24 4.6b,4.2L
BJI XI 10 22 01 32.9 29.32N 105.23E 22 4.7b,4.4L
NEIC XI 10 22 01 34.7–1.2 29.29N 105.33E 34–9 4.6b,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=173.1.
IDC Error ellipse: s-maj=15.8km s-min=12.2km az=51.0.
MOS Error ellipse: s-maj=8.2km s-min=5.3km az=118.6.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=59.0.
ISC XI 11 00 59 00.2–1.0 29.36N–.03 105.32E–.03 7–6 4.8b 311 2-172
ISCJB XI 11 00 58 58.8–.79 29.34N–.02 105.27E–.03 8–5 5.6s,4.6b ¶601883758
MOS XI 11 00 59 00.3–.90 29.28N 105.30E 21 5.0b,4.6b
NEIC XI 11 00 59 00.5–.17 29.34N 105.25E 10 4.9b,4.6L
BJI XI 11 00 59 00.3 29.31N 105.24E 12 4.8b,4.6L
IDC XI 11 00 59 02.2–3.9 29.30N 105.28E 22–25 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=164.8.
MOS Error ellipse: s-maj=8.1km s-min=5.0km az=120.1.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.8km az=64.0.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=60.0.
ISC XI 14 11 42 55.6–.40 26.49N–.03 102.56E–.04 10 4.3b,3.6s 115 1-144
ISCJB XI 14 11 42 53.6–.29 26.48N–.03 102.56E–.04 10 4.3b,3.8s ¶601897596
IDC XI 14 11 42 53.8–.80 26.56N 102.66E 0 4.3,4.2b
BJI XI 14 11 42 56.0 26.49N 102.52E 13 4.6b,4.5L
MOS XI 14 11 42 57.9–1.6 26.53N 102.71E 40 4.5b,4.5L
NEIC XI 14 11 42 59.5–.36 26.60N 102.76E 35 4.7b,4.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=32.0.

IDC Error ellipse: s-maj=25.2km s-min=15.7km az=51.0.
MOS Error ellipse: s-maj=12.9km s-min=6.4km az=98.1.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.6km az=91.0.
ISC XII 01 15 16 43.7–.27 31.87N–.03 104.34E–.03 15 4.8b 300 1-170
ISCJB XII 01 15 16 42.0–.15 31.88N–.02 104.28E–.02 15 4.7b,3.8s ¶601995654
IDC XII 01 15 16 41.3–.42 31.88N 104.31E 0 4.7,4.6
MOS XII 01 15 16 44.4–.96 31.85N 104.33E 34 4.9b,4.6
BJI XII 01 15 16 44.2 31.85N 104.18E 24 5.0b,4.7b
NEIC XII 01 15 16 46.7–.41 31.87N 104.28E 37–4 4.8b,4.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=178.4.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=45.0.
MOS Error ellipse: s-maj=6.9km s-min=4.6km az=110.8.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=3.5km az=125.0. Felt at Chengdu, Deyang and Mianyang.
ISC XII 11 15 26 00.3–.63 31.25N–.04 104.00E–.06 14 3.6b 19 0-82
ISCJB XII 11 15 25 58.8–.50 31.24N–.03 104.01E–.07 14 3.5b,2.6s ¶602036635
IDC XII 11 15 25 58.6–.92 31.44N 104.16E 0 4.0L,3.8
BJI XII 11 15 25 59.7 31.27N 103.73E 22 3.5L,3.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=2.3.
IDC Error ellipse: s-maj=45.5km s-min=18.3km az=64.0.
ISC XII 12 18 58 25.7–.28 27.07N–.02 102.77E–.04 10 4.8b,3.7s 303 2-166
ISCJB XII 12 18 58 23.9–.16 27.11N–.02 102.80E–.03 10 4.7b,3.7s ¶602037357
NEIC XII 12 18 58 25.8–.18 27.10N 102.86E 10 4.9b,4.4L
BJI XII 12 18 58 25.5 27.04N 102.75E 10 4.7b,4.6b
MOS XII 12 18 58 27.3–1.0 27.13N 102.89E 33 4.9b,4.6b
IDC XII 12 18 58 29.0–2.8 27.12N 102.86E 33–22 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=165.3.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=56.0.
MOS Error ellipse: s-maj=8.0km s-min=4.8km az=112.2.
IDC Error ellipse: s-maj=12.2km s-min=10.0km az=37.0.
IDC XII 13 23 14 17.0–5.6 32.76N 105.98E 0 4.3L,4.0
¶602043451
IDC Error ellipse: s-maj=146.3km s-min=44.7km az=91.0.
IDC XII 14 00 04 28.6–1.4 28.69N 102.11E 0 3.7,3.6b
¶602043456
IDC Error ellipse: s-maj=81.0km s-min=23.3km az=65.0.
ISC XII 21 15 55 36.8–.55 32.49N–.06 98.01E–.07 10 4.0b,3.2s 38 6-92
ISCJB XII 21 15 55 33.5–.48 32.32N–.06 98.09E–.06 10 3.9b,3.3s ¶602056299
IDC XII 21 15 55 34.1–.68 32.41N 98.18E 0 4.1,3.9
BJI XII 21 15 55 39.0 32.40N 97.95E 10 3.7,3.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.6km az=140.8.
IDC Error ellipse: s-maj=25.6km s-min=13.7km az=50.0.
ISC XII 24 22 03 59.3–.50 29.36N–.03 105.28E–.05 10 3.9b 35 2-83
ISCJB XII 24 22 03 57.4–.36 29.32N–.03 105.26E–.05 10 3.8b,2.6s ¶602058332
IDC XII 24 22 03 57.2–.71 29.24N 105.19E 0 3.9,3.8b
BJI XII 24 22 03 59.5 29.32N 105.23E 14 4.2b,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=160.9.
IDC Error ellipse: s-maj=27.0km s-min=15.3km az=52.0.

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ISC VII 02 10 07 11.3–.99 28.53N–.05 76.22E–.06 10 16 1-6
ISCJB VII 02 10 07 11.6–.62 28.58N–.04 76.27E–.05 10 ¶603746696
NDI VII 02 10 07 12.7–2.0 28.55N 76.30E 10 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=39.0.
NDI Error ellipse: s-maj=4.5km s-min=5.9km az=-1.0.
ISC X 30 17 21 50.8–.94 25.86N–.07 71.27E–.08 35 3.3b 33 3-78
IDC X 30 17 21 42.3–4.5 25.76N 70.32E 0 3.5,3.4 ¶602000514
ISCJB X 30 17 21 48.8–.56 25.88N–.05 71.32E–.05 33 3.3b,3.4
NDI X 30 17 21 48.8–2.0 25.89N 71.14E 10 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=137.8km s-min=28.0km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.3km az=136.6.
NDI Error ellipse: s-maj=8.6km s-min=9.9km az=-1.0.
ISC XI 19 06 25 21.7–.95 28.66N–.04 76.65E–.04 27–7 3.7b 63 0-89
IDC XI 19 06 25 17.7–.74 28.61N 76.87E 0 3.9,3.8 ¶602081861
ISCJB XI 19 06 25 21.5–.38 28.67N–.03 76.71E–.03 42–5 3.7b,3.8
NDI XI 19 06 25 22.3–1.7 28.64N 76.62E 15 3.5L,3.8
NNC XI 19 06 25 30.0–7.2 28.90N 73.91E 74–166 3.8b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=16.9km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=21.3.
NDI Error ellipse: s-maj=3.1km s-min=4.1km az=-1.0.
NNC Event type se. Error ellipse: s-maj=102.9km s-min=43.9km az=89.0.
ISC XI 27 12 15 14.9–.30 30.90N–.03 78.40E–.03 10 4.3b,3.9s 266 1-146
ISCJB XI 27 12 15 13.4–.16 30.90N–.02 78.44E–.02 10 4.2b,3.9s ¶601994813
IDC XI 27 12 15 13.0–.45 30.83N 78.35E 0 4.2,4.2
BJI XI 27 12 15 15.6 30.87N 78.40E 25 4.8b,4.8L
NEIC XI 27 12 15 16.9–1.3 30.90N 78.42E 23–9 4.4b,4.8L
NDI XI 27 12 15 16.3–2.3 30.86N 78.43E 12 4.4b,4.4L
MOS XI 27 12 15 17.6–1.3 30.97N 78.46E 42 4.4b,4.4L
DMN XI 27 12 15 17.2–.37 30.96N 78.28E 10 5.4L,4.4L
NNC XI 27 12 15 30.7–7.8 31.52N 78.15E 167–102 4.0b,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=42.7.
IDC Error ellipse: s-maj=12.2km s-min=10.8km az=40.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=216.0. Felt at Chandigarh, Dehra Dun, Mussoorie and Srinagar.
NDI Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=4.4km az=106.3.
DMN Event type ke. Error ellipse: s-maj=22.5km s-min=7.1km az=29.0.
NNC Event type se. Error ellipse: s-maj=53.7km s-min=43.5km az=123.0.
ISC XII 20 13 00 51.9–.58 27.44N–.04 76.06E–.04 12 3.9b 72 1-75
ISCJB XII 20 13 00 50.5–.37 27.48N–.03 76.04E–.03 12 3.8b ¶602052919
IDC XII 20 13 00 50.2–2.1 27.35N 75.89E 0 3.6,3.6L
NEIC XII 20 13 00 53.8–4.9 27.65N 76.12E 10 3.9b,3.6L
NDI XII 20 13 00 55.0–2.5 27.48N 76.21E 12–7 3.9b,3.8L
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=4.5km s-min=3.8km az=160.1.
IDC Error ellipse: s-maj=65.7km s-min=19.8km az=65.0.
NEIC Event type de. Error ellipse: s-maj=62.0km s-min=36.2km az=177.0. Slight damage in the Manoharpur-Shahpura area. Felt [IV] at Jaipur. Also felt at Gurgaon and Kot Putli.
NDI Error ellipse: s-maj=4.4km s-min=7.5km az=-1.0.

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ISC VII 28 05 48 07.8–.30 29.85N–.04 80.60E–.03 23 4.4b,3.6s 285 1-151
IDC VII 28 05 48 04.0–.54 29.80N 80.62E 0 4.4,4.3 ¶601483976
BJI VII 28 05 48 05.9 29.87N 80.72E 12 4.5b,4.4b
ISCJB VII 28 05 48 06.2–.15 29.86N–.02 80.59E–.02 23 4.3b,3.5s
MOS VII 28 05 48 06.1–1.1 29.87N 80.65E 24 4.5b,3.5s
NEIC VII 28 05 48 07.3–1.9 29.92N 80.65E 16–11 4.6b,3.5s
NDI VII 28 05 48 07.7–2.3 29.86N 80.71E 17 4.6b,4.5L
DMN VII 28 05 48 07.9–.29 30.12N 80.54E 10 5.2L,4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=11.3km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=27.6.
MOS Error ellipse: s-maj=9.3km s-min=4.7km az=120.3.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=216.0.
NDI Error ellipse: s-maj=4.7km s-min=4.0km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=12.7km s-min=5.5km az=33.0.
IDC XI 14 17 58 04.7–3.8 29.21N 80.39E 0 3.7L,3.5
¶602389398
IDC Error ellipse: s-maj=124.7km s-min=39.6km az=71.0.

(310) Nepal.

ISC VII 11 17 23 28.8–.45 29.46N–.05 81.33E–.04 27 3.9b,3.4s 84 2-75
IDC VII 11 17 23 24.4–.69 29.36N 81.31E 0 4.0,4.0L ¶601505975
ISCJB VII 11 17 23 27.2–.24 29.50N–.04 81.30E–.02 27 3.8b,3.2s
NDI VII 11 17 23 28.8–2.4 29.40N 81.38E 13–11 4.1b,4.0L
DMN VII 11 17 23 28.6–.00 29.44N 81.02E 60 4.1b,4.0L
NEIC VII 11 17 23 30.1–.92 29.44N 81.29E 37–9 4.1b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=13.6km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.4km az=20.3.
NDI Error ellipse: s-maj=8.6km s-min=3.7km az=-1.0.
DMN Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=214.0.
ISC VII 31 11 50 54.0–1.3 28.58N–.04 82.37E–.04 25–10 4.3b,3.1s 144 1-150
IDC VII 31 11 50 50.6–.56 28.66N 82.43E 0 4.3,4.3b ¶601503247
ISCJB VII 31 11 50 52.0–.82 28.61N–.03 82.32E–.02 24–6 4.2b,3.4s
NEIC VII 31 11 50 52.3–.26 28.74N 82.46E 10 4.5b,3.4s
NDI VII 31 11 50 53.8–2.4 28.62N 82.45E 10 4.5b,4.3L
DMN VII 31 11 50 56.3–.74 28.58N 82.48E 2 5.0L,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=12.7km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=29.6.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=214.0.
NDI Error ellipse: s-maj=6.2km s-min=4.9km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=17.8km s-min=11.5km az=49.0.
ISC VII 31 11 58 31.9–1.3 28.65N–.05 82.40E–.04 32–10 4.3b,3.3s 128 1-150
IDC VII 31 11 58 27.6–.58 28.74N 82.51E 0 4.3,4.3L ¶601506093
NEIC VII 31 11 58 29.2–.31 28.75N 82.44E 10 4.4b,4.3L
NDI VII 31 11 58 30.8–2.3 28.72N 82.42E 10 4.4b,4.3L
ISCJB VII 31 11 58 31.0–.43 28.65N–.03 82.37E–.03 39–5 4.2b,3.4s
BJI VII 31 11 58 32.5 28.94N 82.24E 40 4.5b,4.1b
DMN VII 31 11 58 33.0–.31 28.53N 82.41E 2 4.8L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=12.8km az=28.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=212.0.
NDI Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=23.3.
DMN Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=38.0.
IDC VII 31 12 05 09.5–1.2 28.70N 82.34E 0 3.7,3.7b
¶601650823
IDC Error ellipse: s-maj=30.8km s-min=24.1km az=64.0.
ISC VIII 23 16 30 21.1–.62 28.42N–.03 82.68E–.03 24–4 4.9b,4.3s 688 0-151
ISCJB VIII 23 16 30 18.3–.51 28.49N–.02 82.66E–.02 15–3 4.9b,4.3s ¶601614687
NDI VIII 23 16 30 20.9–2.8 28.35N 82.65E 15–9 5.0b,5.0L
NEIC VIII 23 16 30 21.8–1.7 28.47N 82.69E 28–12 5.0b,5.0L
IDC VIII 23 16 30 21.3–2.2 28.42N 82.73E 22–13 4.7,4.7
MOS VIII 23 16 30 21.2–1.0 28.43N 82.73E 34 5.1b,4.2s
GCMT VIII 23 16 30 22.8–.30 28.05N–.02 82.65E–.02 29–1 5.0W,4.2s
BJI VIII 23 16 30 23.6 28.75N 82.91E 36 5.0b,5.0s
DMN VIII 23 16 30 23.5–.57 28.40N 82.83E 2 5.7L,5.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=25.8.
NDI Error ellipse: s-maj=6.1km s-min=4.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=213.0. Felt [III] at Kathmandu. Also felt at Bharatpur, Birendranagar, Lalitpur, Nepalganj, Panaoti and Patan.
IDC Error ellipse: s-maj=13.9km s-min=10.4km az=30.0.
MOS Error ellipse: s-maj=5.8km s-min=3.8km az=122.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s68,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.23±.16 $M_{\theta\theta}$-1.83±.10; $M_{\phi\phi}$-0.40±.09; $M_{r\theta}$2.45±.18; $M_{\theta\phi}$1.20±.07; $M_{\phi r}$-1.01±.14; Best double couple: NP1:ϕ_s114.00000°,δ69.00000°,λ85.00000°. NP2:ϕ_s307.00000°,δ21.00000°,λ102.00000°. Principal axes: T 3.4290,Plg66.0000° ,Azm16.0000°; N 0.2560,Plg4.0000°,Azm116.0000°; P -3.6860,Plg24.0000°,Azm207.0000° $M_0$3.55700×10^{16}
DMN Event type ke. Error ellipse: s-maj=10.4km s-min=8.3km az=97.0.
ISC VIII 24 00 17 14.4–.80 28.4N–.10 82.6E–.10 35 3.8b 20 9-84
IDC VIII 24 00 17 09.3–.89 28.30N 82.56E 0 4.0,4.0b ¶601667508
ISCJB VIII 24 00 17 12.3–.68 28.38N–.10 82.54E–.10 33 3.9b,4.0b
NEIC VIII 24 00 17 14.8–.62 28.39N 82.62E 35 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=17.6km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=10.2km az=33.1.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.9km az=58.0.
ISC VIII 24 03 55 51.8–1.1 28.29N–.04 82.59E–.04 24–8 4.3b,3.4s 146 0-80
BJI VIII 24 03 55 47.8 28.12N 82.61E 10 4.8b,4.6b ¶601615616
ISCJB VIII 24 03 55 50.6–.45 28.22N–.03 82.51E–.03 33–5 4.2b,3.5s
MOS VIII 24 03 55 51.5–.88 28.33N 82.62E 33 4.6b,3.5s
NDI VIII 24 03 55 53.4–2.8 28.35N 82.59E 32–14 4.4b,4.3L
NEIC VIII 24 03 55 53.6–.53 28.34N 82.61E 35 4.4b,4.3L
IDC VIII 24 03 55 54.5–6.5 28.47N 82.78E 33–50 4.6L,4.1
DMN VIII 24 03 55 54.1–.61 28.41N 82.77E 2 5.1L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=15.9.
MOS Error ellipse: s-maj=11.0km s-min=7.0km az=100.5.
NDI Error ellipse: s-maj=6.4km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=41.0.
IDC Error ellipse: s-maj=23.9km s-min=12.4km az=43.0.
DMN Event type ke. Error ellipse: s-maj=10.4km s-min=9.7km az=109.0.
ISC VIII 28 08 31 24.6–.65 28.80N–.08 82.00E–.07 10 4.0b 39 4-88
ISCJB VIII 28 08 31 22.3–.41 28.79N–.05 81.95E–.06 10 4.1b ¶601702753
IDC VIII 28 08 31 22.0–1.2 28.76N 81.87E 0 4.2L,3.9
NEIC VIII 28 08 31 24.5–.48 28.85N 82.02E 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.5km az=138.8.
IDC Error ellipse: s-maj=42.5km s-min=16.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.8km az=60.0.
ISC VIII 29 19 54 20.8–1.2 28.4N–.20 82.7E–.10 35 3.9b 12 5-72
IDC VIII 29 19 54 15.2–1.1 28.36N 82.61E 0 3.8,3.8 ¶601755577
ISCJB VIII 29 19 54 18.3–.99 28.4N–.10 82.6E–.20 33 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 30 14 11 12.4–1.6 28.7N–.10 82.41E–.10 14–11 3.7b 29 1-72
IDC VIII 30 14 11 09.3–1.9 28.58N 82.14E 0 3.8,3.7 ¶601755624
DMN VIII 30 14 11 15.2–.55 28.61N 82.43E 2 4.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=70.9km s-min=19.5km az=69.0.
DMN Event type ke. Error ellipse: s-maj=12.5km s-min=8.8km az=43.0.
ISC IX 17 09 45 52.1–.84 28.7N–.20 82.3E–.10 35 3.8b 16 9-76
IDC IX 17 09 45 47.1–.89 28.62N 82.19E 0 4.0,4.0L ¶601863704
ISCJB IX 17 09 45 50.2–.71 28.7N–.10 82.13E–.09 33 3.8b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC X 22 06 56 52.6–.81 27.79N–.06 87.84E–.03 81–8 3.6b 52 0-68
IDC X 22 06 56 44.3–1.5 27.78N 87.75E 0 3.9L,3.8 ¶601843943
NDI X 22 06 56 50.8–2.7 28.04N 87.78E 36–22 3.9L,3.8
ISCJB X 22 06 56 51.9–.35 27.73N–.05 87.83E–.03 94–5 3.5b,3.8
DMN X 22 06 56 52.6–.00 27.93N 87.84E 60 3.5b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=17.9km az=64.0.
NDI Error ellipse: s-maj=14.7km s-min=6.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.7km az=19.4.
DMN Event type ke.
IDC X 26 13 40 36.7–12 29.51N 82.29E 0 3.8,3.8s
¶601999742
IDC Error ellipse: s-maj=517.1km s-min=42.7km az=74.0.
ISC XI 04 02 13 28.0–1.1 29.6N–.10 81.78E–.08 31 3.4b 14 4-79
IDC XI 04 02 13 23.2–1.9 29.46N 81.79E 0 3.7,3.5 ¶602388785
ISC Event type ke.
IDC Error ellipse: s-maj=67.3km s-min=22.4km az=67.0.
ISC XI 11 18 39 22.2–.28 29.41N–.03 81.45E–.03 27 4.6b 375 2-155
ISCJB XI 11 18 39 20.9–.15 29.51N–.02 81.46E–.02 27 4.6s,4.5b ¶601883951
BJI XI 11 18 39 20.9 29.54N 81.40E 25 5.2b,4.7b
DMN XI 11 18 39 20.1–.38 29.56N 81.18E 10 5.6L,4.7b

NDI XI 11 18 39 21.2–3.3 29.30N 81.43E 10 4.8b,4.8L
MOS XI 11 18 39 22.4–1.2 29.50N 81.47E 37 4.9b,4.8L
IDC XI 11 18 39 23.1–2.3 29.36N 81.47E 33–17 4.9L,4.5
NEIC XI 11 18 39 23.7–.60 29.46N 81.48E 37–6 4.8b,4.5
NNC XI 11 18 39 26.3–7.8 29.82N 81.14E 21–58 5.0b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.1km az=35.1.
DMN Event type ke. Error ellipse: s-maj=13.5km s-min=7.9km az=29.0.
NDI Error ellipse: s-maj=8.1km s-min=5.6km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=112.7.
IDC Error ellipse: s-maj=10.7km s-min=9.0km az=14.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.1km az=45.0. Felt at Birendranagar and Mangalsen. Also felt at Haldwani, Rishikesh and Uttarkashi, India.
NNC Event type se. Error ellipse: s-maj=43.2km s-min=34.0km az=84.0.
ISC XI 12 12 42 26.0–.66 29.64N–.08 81.69E–.05 27 3.6b 29 2-73
IDC XI 12 12 42 19.5–1.2 29.29N 81.37E 0 3.7,3.6 **¶602081233**
ISCJB XI 12 12 42 24.3–.79 29.66N–.09 81.6E–.10 27 3.6b,3.6
DMN XI 12 12 42 24.0–.37 29.55N 81.31E 10 4.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=17.9km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=4.8km az=138.2.
DMN Event type ke. Error ellipse: s-maj=13.8km s-min=7.3km az=29.0.
ISC XII 07 18 31 08.5–2.8 28.6N–.30 83.6E–.60 35 3.6b 6 16-71
IDC XII 07 18 31 03.6–2.6 28.55N 83.75E 0 3.9L,3.9 **¶602390720**
ISCJB XII 07 18 31 06.6–2.0 28.5N–.20 83.7E–.50 33 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.

(311) Sikkim.

ISC IX 18 12 26 19.8–.90 27.36N–.03 88.67E–.02 6–6 4.4b 116 0-150
IDC IX 18 12 26 19.5–.68 27.42N 88.69E 0 4.6L,4.2 **¶601725124**
ISCJB IX 18 12 26 19.1–.60 27.43N–.02 88.69E–.02 7–4 4.3b,4.2
BJI IX 18 12 26 19.8 27.36N 88.67E 7 3.9b,3.5s
DMN IX 18 12 26 21.4–.00 26.93N 88.86E 60 3.9b,3.5s
NDI IX 18 12 26 23.7–2.7 27.48N 88.64E 30 4.6b,4.6L
NEIC IX 18 12 26 25.3–.66 27.33N 88.64E 42–6 4.6b,4.6L
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=12.5km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=17.0.
DMN Event type ke.
NDI Error ellipse: s-maj=9.9km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.7km az=55.0.
IDC IX 21 20 49 53.6–3.3 27.17N 88.57E 0 3.4,3.2
¶601738137
IDC Error ellipse: s-maj=108.1km s-min=32.4km az=73.0.
ISC XI 30 19 39 28.7–.35 27.23N–.04 88.28E–.02 10 4.6b,3.8s 254 0-89
IDC XI 30 19 39 26.7–.71 27.25N 88.21E 0 4.2,4.1 **¶601995494**
ISCJB XI 30 19 39 26.8–.17 27.24N–.02 88.24E–.02 10 4.4b,3.8s
BJI XI 30 19 39 28.2 27.42N 88.32E 10 4.7b,4.3b
NDI XI 30 19 39 29.9–34 27.27N 88.21E 17–182 4.7b,4.6L
MOS XI 30 19 39 29.1–1.1 27.25N 88.26E 26 4.8b,4.6L
DMN XI 30 19 39 29.8–.32 27.06N 88.58E 60 5.1L,4.6L
NEIC XI 30 19 39 30.6–1.5 27.22N 88.20E 25–11 4.7b,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=13.1km az=35.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=17.8.
NDI Error ellipse: s-maj=110.6km s-min=59.7km az=-1.0.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=122.9.
DMN Event type ke. Error ellipse: s-maj=15.9km s-min=6.3km az=16.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=3.7km az=222.0. Felt at Gangtok, Gezing, Naya Bazar and Shiliguri.

(312) Bhutan.

ISC IX 03 13 30 31.1–.92 27.2N–.10 90.33E–.07 35 3.3b 21 2-66
DMN IX 03 13 30 27.9–.99 27.30N 90.62E 10 4.5L **¶601833330**
ISCJB IX 03 13 30 29.5–.57 27.10N–.06 90.27E–.05 33 3.2b,3.1s
IDC IX 03 13 30 32.9–2.8 27.03N 90.35E 58–33 3.9L,3.3
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=58.3km s-min=19.2km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.4km az=31.4.
IDC Error ellipse: s-maj=64.5km s-min=16.3km az=71.0.

(313) Eastern Xizang-India border region.

NDI VII 11 15 28 48.7–3.2 27.01N 92.11E 14–12 3.1L
¶606544368
NDI Error ellipse: s-maj=10.3km s-min=8.7km az=-1.0.
ISC VII 29 20 03 03.5–1.4 27.91N–.08 92.05E–.04 52–17 3.7b 26 1-77
IDC VII 29 20 02 56.2–.99 27.81N 91.93E 0 3.8,3.6 **¶601497904**
NDI VII 29 20 03 00.5–2.1 27.89N 92.07E 12 3.4L,3.6
ISCJB VII 29 20 03 01.6–.88 27.98N–.06 92.07E–.04 49–12 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC X 24 21 07 42.5–.64 28.77N–.04 94.39E–.06 25 3.9b 47 1-86
IDC X 24 21 07 38.6–.92 28.82N 94.25E 0 4.0,3.9b **¶601847457**
ISCJB X 24 21 07 40.7–.36 28.87N–.03 94.28E–.05 25 3.8b,3.0s
NDI X 24 21 07 40.6–2.9 28.93N 94.30E 13–35 4.0L,3.0s
NEIC X 24 21 07 40.7–.43 28.86N 94.39E 10 4.0b,3.0s
BJI X 24 21 07 43.5 29.02N 94.36E 26 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=16.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.0km az=21.3.
NDI Error ellipse: s-maj=27.2km s-min=21.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.0km az=75.0.
ISC X 28 05 44 16.3–1.7 28.85N–.06 94.18E–.05 26–13 4.0b 62 1-86
IDC X 28 05 44 12.2–.71 28.83N 94.29E 0 4.2L,4.1 **¶601860581**
NDI X 28 05 44 17.0–2.7 28.74N 94.22E 10 4.2L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=14.1km az=62.0.
NDI Error ellipse: s-maj=10.9km s-min=7.7km az=-1.0.
NDI XI 26 02 44 48.6–2.5 28.66N 96.09E 14–66 3.6L
¶606595025
NDI Error ellipse: s-maj=32.7km s-min=71.2km az=-1.0.

(314) Southern India.

ISC VIII 16 22 15 56.1–.57 17.35N–.05 80.72E–.05 10 3.9b 34 2-76
ISCJB VIII 16 22 15 53.7–.46 17.47N–.04 80.86E–.05 10 3.8b,3.7s **¶601765958**
IDC VIII 16 22 15 55.0–.78 17.41N 80.57E 0 3.9,3.8
NDI VIII 16 22 15 56.7–4.6 17.33N 80.73E 10 3.3L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=39.9.
IDC Error ellipse: s-maj=30.1km s-min=16.9km az=48.0.
NDI Error ellipse: s-maj=9.6km s-min=10.5km az=-1.0.
ISC VIII 31 03 43 37.5–.63 20.88N–.05 84.89E–.05 35 3.7b 47 3-79
IDC VIII 31 03 43 34.0–.80 20.95N 84.85E 0 4.3L,3.8 **¶601755648**
ISCJB VIII 31 03 43 36.5–.46 21.02N–.03 84.80E–.04 33 3.6b,3.8
NDI VIII 31 03 43 36.1–3.5 20.87N 84.98E 15–26 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=20.7km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=26.3.
NDI Error ellipse: s-maj=7.8km s-min=9.7km az=-1.0.
NDI X 14 08 51 56.1–2.0 12.59N 75.59E 10 3.8L
¶606594735
NDI Error ellipse: s-maj=3.8km s-min=5.7km az=-1.0.
ISC X 18 02 33 31.8–.27 23.80N–.03 81.26E–.03 35 5.0b,4.5s 499 1-153
NEIC X 18 02 33 28.0–.15 23.77N 81.31E 10 5.0b,4.5s **¶601838153**
MOS X 18 02 33 29.1–.92 23.74N 81.43E 33 5.1b,4.6s
IDC X 18 02 33 29.7–3.9 23.73N 81.35E 22–24 4.8,4.8L
DMN X 18 02 33 29.0–.51 23.65N 81.26E 10 5.5L,4.8L
ISCJB X 18 02 33 29.7–.15 23.81N–.02 81.33E–.02 33 4.9b,4.5s
BJI X 18 02 33 29.0 24.08N 81.34E 11 4.9b,4.7b
NDI X 18 02 33 29.1–2.3 23.78N 81.36E 10 5.0L,4.7b
ISC Event type de.
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.2km az=208.0. One house collapsed at Deurala and some buildings slightly damaged at Jaisinghnagar, Kotma, Sarai and Umaria. Felt [III] at Mirzapur. Felt strongly at Anuppur, Badrawas, Dindori, Dhanpuri, Govindgarh, Katni, Mandla, Rewa and Shahdol. Also felt at Bilaspur, Jabalpur, Panagar, Satna and Singrauli. Ground cracks observed in the Umaria area.
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=119.4.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=31.0.
DMN Event type ke. Error ellipse: s-maj=11.7km s-min=8.8km az=82.0.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=2.3km az=163.9.
NDI Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
ISC X 29 06 23 05.8–.81 16.22N–.04 79.77E–.04 10 31 2-15
ISCJB X 29 06 23 04.1–.56 16.23N–.04 79.83E–.05 10 **¶603760907**
NDI X 29 06 23 07.8–2.3 16.21N 79.71E 12 4.0L
HYB X 29 06 23 07.7–.00 16.25N 79.86E 25 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=169.4.
NDI Error ellipse: s-maj=3.9km s-min=7.1km az=-1.0.
ISC XII 08 07 06 09.0–.47 22.90N–.06 70.37E–.04 10 4.0b,3.1s 79 1-77
ISCJB XII 08 07 06 07.7–.35 23.03N–.05 70.53E–.03 10 4.0b,3.1s **¶602032181**
NDI XII 08 07 06 08.9–2.2 22.99N 70.37E 10 4.3L,3.1s
IDC XII 08 07 06 08.4–.80 22.91N 70.22E 0 4.1,4.1L
NEIC XII 08 07 06 10.1–.32 22.96N 70.30E 10 4.1b,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=15.9.
NDI Error ellipse: s-maj=6.1km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=16.1km az=34.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=5.4km az=25.0. Felt strongly at Gandidham. Also felt at Anjar, Rajkot, Rapar and Samakhiali.

(315) India-Bangladesh border region.

NDI VII 03 10 28 08.8–2.5 25.03N 92.02E 23–12 3.1L
¶606544437
NDI Error ellipse: s-maj=5.9km s-min=6.8km az=-1.0.
NDI VII 17 21 21 03.3–2.1 24.81N 91.96E 34–6 3.3L
¶606544371
NDI Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0.
ISC VIII 05 06 36 49.6–.87 24.79N–.04 91.83E–.03 39–2 3.6b 68 1-80
IDC VIII 05 06 36 43.9–.64 24.77N 91.80E 0 4.0,4.0L **¶601713614**
ISCJB VIII 05 06 36 48.8–.34 24.82N–.03 91.80E–.02 51–5 3.8b,3.1s
NDI VIII 05 06 36 49.2–3.5 24.83N 91.82E 28–11 4.2b,4.2L
DMN VIII 05 06 36 49.1–.56 24.16N 91.53E 10 4.9L,4.2L
NEIC VIII 05 06 36 51.1–.85 24.71N 91.86E 57–9 4.2b,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=11.2km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=20.4.
NDI Error ellipse: s-maj=6.2km s-min=6.2km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=34.8km s-min=10.4km az=35.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.0km az=62.0.
ISC VIII 19 20 52 54.8–7.1 24.92N–.07 92.70E–.05 38–9 12 1-2
NDI VIII 19 20 52 52.8–2.9 24.93N 92.68E 19–20 2.8L **¶606722562**
ISC Event type ke.
NDI Error ellipse: s-maj=10.9km s-min=12.1km az=-1.0.
ISC IX 06 18 27 10.4–.45 25.49N–.04 91.09E–.04 35–1 4.2b 79 1-152
ISCJB IX 06 18 27 07.5–.83 25.49N–.04 90.98E–.03 26–6 4.1b **¶601777918**
NDI IX 06 18 27 08.7–3.0 25.60N 91.05E 15–8 4.5b,4.4L
IDC IX 06 18 27 10.6–.44 25.51N 91.17E 32–2 4.0,4.0
NEIC IX 06 18 27 11.8–.85 25.46N 91.21E 45–8 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=160.9.
NDI Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=9.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.3km az=67.0.
NDI IX 20 01 38 23.4–1.9 24.19N 91.70E 12–12 3.0L
¶603909583
NDI Error ellipse: s-maj=3.9km s-min=9.2km az=-1.0.
ISC IX 27 23 05 53.9–1.2 22.2N–.30 92.8E–.30 35 3.7b 13 7-61
IDC IX 27 23 06 01.3–6.9 22.65N 93.86E 93–49 3.6,3.4 **¶601864317**
ISC Event type ke.
IDC Error ellipse: s-maj=175.9km s-min=17.5km az=61.0.
ISC X 26 01 50 26.1–1.0 24.17N–.04 92.83E–.04 47–12 3.9b 32 1-124
NDI X 26 01 50 23.7–3.6 24.13N 92.97E 26–14 3.8L **¶601999679**
ISCJB X 26 01 50 24.8–.45 24.16N–.03 92.94E–.05 52–8 3.8b,3.5s
IDC X 26 01 50 26.2–2.9 24.18N 92.88E 44–30 3.9,3.9L
ISC Event type ke.
NDI Error ellipse: s-maj=7.0km s-min=9.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=14.3.
IDC Error ellipse: s-maj=22.6km s-min=21.6km az=35.0.
ISC XI 14 22 10 04.7–.91 23.26N–.06 91.43E–.05 30–6 3.5b 21 0-62
IDC XI 14 22 10 01.2–2.2 23.33N 91.57E 0 4.0L,3.6 **¶602389412**
ISCJB XI 14 22 10 03.8–.58 23.31N–.05 91.35E–.05 33–6 3.5b,3.6
NDI XI 14 22 10 05.3–2.1 23.29N 91.43E 26–5 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=120.4km s-min=18.3km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.3km az=159.8.
NDI Error ellipse: s-maj=6.8km s-min=6.3km az=-1.0.
ISC XI 21 00 00 21.0–2.1 25.70N–.04 92.94E–.05 5–14 3.6b 22 1-86
IDC XI 21 00 00 19.5–1.0 25.32N 92.70E 0 3.6,3.4 **¶602389759**
NDI XI 21 00 00 22.0–1.6 25.68N 93.00E 10 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=22.6km az=58.0.
NDI Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0.
ISC XI 25 06 01 45.8–.41 23.68N–.03 91.47E–.03 45–4 4.2b,3.3s 172 0-152
BJI XI 25 06 01 42.3 23.80N 91.62E 15 4.5b,4.4b **¶601994311**
ISCJB XI 25 06 01 44.1–.30 23.71N–.02 91.44E–.02 44–3 4.1b,3.3s
NDI XI 25 06 01 44.4–2.9 23.73N 91.46E 20 4.1L,3.3s
NEIC XI 25 06 01 45.5–.46 23.62N 91.48E 40–5 4.5b,3.3s
IDC XI 25 06 01 46.5–.41 23.61N 91.44E 46–4 4.0,3.9
DMN XI 25 06 01 46.4–.29 23.24N 91.11E 10 5.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=29.2.
NDI Error ellipse: s-maj=4.3km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.4km az=63.0.
IDC Error ellipse: s-maj=17.4km s-min=5.2km az=74.0.
DMN Event type ke. Error ellipse: s-maj=20.0km s-min=5.1km az=41.0.
ISC XII 13 08 41 57.4–2.3 24.9N–.40 88.8E–.50 35 3.6b 7 3-65
IDC XII 13 08 41 51.1–2.2 24.68N 88.46E 0 4.0L,3.9 **¶602391244**
ISCJB XII 13 08 41 54.8–1.8 24.8N–.30 88.7E–.40 33 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 13 10 05 24.5–.81 22.42N–.06 92.71E–.04 21–2 4.1b,3.0s 69 0-61
IDC XII 13 10 05 21.6–.96 22.26N 92.60E 0 3.9,3.9b **¶602070476**
NEIC XII 13 10 05 22.7–.40 22.22N 92.59E 10 4.2b,3.9b
ISCJB XII 13 10 05 24.2–.68 22.51N–.04 92.64E–.03 23–6 4.0b,3.0s
NDI XII 13 10 05 26.6–2.6 22.61N 92.79E 18–27 3.3L,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=9.6km az=30.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.5km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=9.5.
NDI Error ellipse: s-maj=28.4km s-min=10.6km az=-1.0.
ISC XII 17 12 48 03.8–1.5 24.71N–.04 91.59E–.05 9–10 21 1-63
IDC XII 17 12 48 02.2–2.4 24.66N 91.62E 0 3.8s,3.8 **¶602391543**
NDI XII 17 12 48 04.9–2.4 24.76N 91.53E 13–7 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=94.7km s-min=23.7km az=71.0.
NDI Error ellipse: s-maj=5.0km s-min=6.2km az=-1.0.
ISC XII 30 08 16 43.9–1.1 24.25N–.03 91.72E–.03 28–9 4.0b 77 1-63
IDC XII 30 08 16 40.5–1.0 24.24N 91.85E 0 4.0L,3.9 **¶602064922**
NDI XII 30 08 16 43.6–2.8 24.24N 91.74E 26–13 4.3b,4.3L
NEIC XII 30 08 16 43.1–2.7 24.21N 91.78E 22–22 4.3b,4.3L
ISCJB XII 30 08 16 43.2–.33 24.25N–.02 91.72E–.03 41–5 3.9b,2.9s

DMN	XII	30 08 16 44.3–.67	23.83N	91.40E	10	4.8L,2.9s			
BJI	XII	30 08 16 44.1	24.39N	91.88E	29	4.8b,4.3b			

ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=11.9km az=89.0.
NDI Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.4km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=147.8.
DMN Event type ke. Error ellipse: s-maj=48.4km s-min=13.0km az=35.0.

(316) Bangladesh.

ISC	**VII**	**15 11 38 12.2–.97**	**22.63N–.08**	**89.52E–.05**	**10**	**3.5b,3.2s**	**40**	**2-63**	
IDC	VII	15 11 38 09.3–2.0	22.31N	89.31E	0	3.9L,3.7			¶601643144
DMN	VII	15 11 38 16.6–.24	22.61N	89.49E	10	4.5L,3.7			

ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=26.5km az=62.0.
DMN Event type ke. Error ellipse: s-maj=9.0km s-min=4.3km az=51.0.

ISC	**VIII**	**22 10 23 36.5–1.5**	**24.36N–.04**	**90.95E–.06**	**14–10**		**22**	**1-61**	
IDC	VIII	22 10 23 33.9–2.2	24.44N	90.97E	0	3.9L,3.9			¶601766296
NDI	VIII	22 10 23 39.7–2.4	24.53N	90.81E	15–18	3.3L,3.9			

ISC Event type ke.
IDC Error ellipse: s-maj=96.1km s-min=24.7km az=66.0.
NDI Error ellipse: s-maj=9.3km s-min=12.7km az=-1.0.

ISC	**IX**	**10 19 22 14.5–1.3**	**23.29N–.07**	**90.71E–.09**	**35**	**3.9b**	**18**	**1-63**	
IDC	IX	10 19 22 08.2–1.3	22.96N	90.32E	0	4.0,3.9b			¶601863312
ISCJB	IX	10 19 22 13.0–.91	23.26N–.05	90.68E–.08	33	3.8b,3.9b			
NDI	IX	10 19 22 15.5–2.7	23.32N	90.76E	30	3.3L,3.9b			

ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=14.0km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.9km az=148.8.
NDI Error ellipse: s-maj=11.3km s-min=14.0km az=-1.0.

NDI	**XI**	**14 14 40 50.6–2.4**	**21.46N**	**89.18E**	**39–999**	**3.7L**	
							¶606594998

NDI Error ellipse: s-maj=13.0km s-min=9.1km az=-1.0.

(317) Northeastern India.

ISC	**VII**	**09 12 30 15.0–1.3**	**26.19N–.04**	**92.94E–.04**	**35**		**15**	**0-4**	
NDI	VII	09 12 30 14.0–2.6	26.17N	92.95E	34–10	3.5L			¶606544390

ISC Event type ke.
NDI Error ellipse: s-maj=6.9km s-min=6.3km az=-1.0.

ISC	**VII**	**10 10 45 00.8–1.5**	**26.68N–.10**	**92.36E–.04**	**16–9**		**14**	**0-2**	
NDI	VII	10 10 44 59.2–2.9	26.75N	92.32E	15–8	3.5L			¶606544424

ISC Event type ke.
NDI Error ellipse: s-maj=11.8km s-min=7.7km az=-1.0.

ISC	**VII**	**10 13 03 40.7–.49**	**26.48N–.03**	**93.11E–.04**	**54–4**	**4.2b**	**106**	**0-85**	
ISCJB	VII	10 13 03 39.9–.24	26.49N–.02	93.13E–.02	64–3	4.2b			¶601405501
IDC	VII	10 13 03 40.6–.50	26.46N	93.18E	51–4	4.0,3.9			
NDI	VII	10 13 03 41.4–2.6	26.50N	93.20E	52–18	4.5L,3.9			
NEIC	VII	10 13 03 55.0–1.1	27.07N	90.66E	35	4.7b,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=177.5.
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=76.0.
NDI Error ellipse: s-maj=5.7km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=15.1km az=164.0.

NDI	**VII**	**13 18 10 22.9–3.0**	**26.48N**	**93.19E**	**42–577**	**2.6L**	
							¶606544385

NDI Error ellipse: s-maj=11.2km s-min=7.7km az=-1.0.

NDI	**VII**	**24 12 24 25.7–2.4**	**26.19N**	**92.21E**	**35–8**	**3.3L**	
							¶606544431

NDI Error ellipse: s-maj=7.3km s-min=8.3km az=-1.0.

IDC	**VII**	**28 00 06 49.9–19**	**26.15N**	**92.67E**	**0**	**3.3,3.3**			
									¶601666545

IDC Error ellipse: s-maj=322.7km s-min=72.6km az=6.0.

ISC	**VIII**	**09 04 08 51.3–1.1**	**26.22N–.05**	**93.59E–.04**	**27–15**		**14**	**1-4**	
NDI	VIII	09 04 08 51.4–3.3	26.23N	93.65E	34–21	3.1L			¶606722560

ISC Event type ke.
NDI Error ellipse: s-maj=11.1km s-min=13.2km az=-1.0.

ISC	**VIII**	**18 05 09 33.8–1.5**	**25.31N–.05**	**93.8E–.10**	**7–17**		**13**	**0-2**	
NDI	VIII	18 05 09 32.8–2.5	25.33N	93.92E	10	2.9L			¶606722561

ISC Event type ke.
NDI Error ellipse: s-maj=5.0km s-min=6.7km az=-1.0.

ISC	**VIII**	**19 09 24 49.0–.33**	**26.60N–.03**	**92.54E–.03**	**47–3**	**4.8b,3.9s**	**568**	**0-160**	
DMN	VIII	19 09 24 45.6–.60	27.29N	92.91E	10	5.5L,3.9s			¶601565891
MOS	VIII	19 09 24 47.0–.86	26.62N	92.59E	43	5.2b,3.9s			
BJI	VIII	19 09 24 48.4	26.61N	92.75E	50	4.9b,4.8b			
IDC	VIII	19 09 24 48.6–.39	26.56N	92.57E	44–4	4.7L,4.6			
ISCJB	VIII	19 09 24 48.0–.24	26.61N–.02	92.55E–.01	53–2	4.8b,3.9s			
NEIC	VIII	19 09 24 49.4–.23	26.60N	92.57E	49–2	4.8b,3.9s			
NDI	VIII	19 09 24 49.5–3.3	26.62N	92.55E	38–7	4.8b,4.8L			

ISC Event type fe.
DMN Event type ke. Error ellipse: s-maj=44.4km s-min=11.0km az=8.0.
MOS Error ellipse: s-maj=8.4km s-min=3.8km az=123.4.
IDC Error ellipse: s-maj=9.0km s-min=7.2km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=178.7.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=53.0. Felt [IV] at Guwahati. Also felt at Bokakhat, Dhekiajuli, Dispur, Nagaon, Shillong and Tezpur.
NDI Error ellipse: s-maj=7.3km s-min=4.9km az=-1.0.

ISC	**VIII**	**19 19 04 56.0–.79**	**26.59N–.04**	**92.57E–.04**	**40–8**	**4.0b,3.1s**	**64**	**0-78**	
IDC	VIII	19 19 04 50.6–.75	26.65N	92.68E	0	4.1,4.1L			¶601610409
BJI	VIII	19 19 04 51.5	26.52N	92.77E	8	4.1b,3.7L			
DMN	VIII	19 19 04 55.3–.72	26.98N	92.77E	10	4.6L,3.7L			
ISCJB	VIII	19 19 04 55.8–.31	26.62N–.03	92.56E–.02	55–4	4.0b,3.1s			
NDI	VIII	19 19 04 57.3–2.9	26.58N	92.66E	43–15	4.0b,3.9L			
NEIC	VIII	19 19 04 57.6–.83	26.56N	92.62E	57–9	4.0b,3.9L			

ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=14.1km az=61.0.
DMN Event type ke. Error ellipse: s-maj=52.9km s-min=13.5km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=5.5.
NDI Error ellipse: s-maj=10.0km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.5km az=63.0.

ISC	**VIII**	**24 12 10 00.2–1.4**	**26.49N–.06**	**92.66E–.04**	**34–3**		**17**	**0-4**	
NDI	VIII	24 12 09 59.2–2.9	26.37N	92.73E	35–8	3.1L			¶606722563

ISC Event type ke.
NDI Error ellipse: s-maj=9.5km s-min=6.7km az=-1.0.

NDI	**IX**	**04 07 42 34.6–2.8**	**26.29N**	**92.57E**	**20–13**	**3.2L**			
									¶606760135

NDI Error ellipse: s-maj=8.7km s-min=7.0km az=-1.0.

NDI	**IX**	**18 18 08 54.9–2.1**	**26.04N**	**90.61E**	**20**	**3.2L**	
							¶603909435

NDI Error ellipse: s-maj=7.7km s-min=4.6km az=-1.0.

ISC	**IX**	**18 23 12 48.2–1.4**	**26.18N–.05**	**93.26E–.03**	**6–11**	**3.4b**	**19**	**1-86**	
IDC	IX	18 23 12 49.6–1.4	27.05N	95.03E	0	3.5,3.3			¶601863785
NDI	IX	18 23 12 51.6–2.9	26.24N	93.28E	30	3.5L,3.3			

ISC Event type ke.
IDC Error ellipse: s-maj=94.5km s-min=29.6km az=52.0.
NDI Error ellipse: s-maj=8.2km s-min=6.2km az=-1.0.

NDI	**IX**	**22 21 26 24.9–2.5**	**26.83N**	**93.14E**	**28–17**	**3.3L**	
							¶603909693

NDI Error ellipse: s-maj=11.3km s-min=6.8km az=-1.0.

ISC	**X**	**02 18 37 38.8–.21**	**26.84N–.03**	**92.85E–.02**	**39–2**	**5.1b,4.0s**	**806**	**0-160**	
ISCJB	X	02 18 37 37.8–.29	26.84N–.02	92.81E–.02	44–2	5.0b,4.0s			¶601777961
MOS	X	02 18 37 37.0–.89	26.81N	92.86E	40	5.2b,4.0s			
BJI	X	02 18 37 37.6	26.98N	93.06E	7	4.8b,4.7b			
GCMT	X	02 18 37 38.7–.50	26.78N–.03	92.95E–.02	36–1	4.9W,4.7b			
IDC	X	02 18 37 38.5–.38	26.91N	92.92E	37–2	4.9L,4.8			
NEIC	X	02 18 37 38.7–.10	26.88N	92.82E	37	5.2b,4.8			
NDI	X	02 18 37 39.6–2.4	26.86N	92.91E	37	5.2b,5.2L			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=25.6.
MOS Error ellipse: s-maj=7.6km s-min=3.8km az=121.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s71,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.20 $M_{\theta\theta}$-1.81±.12; $M_{\phi\phi}$0.12±.11; $M_{r\theta}$0.37±.10; $M_{\theta\phi}$1.52±.07; $M_{\theta r}$0.94±.10; Best double couple: NP1:ϕ_s329.00000°,δ56.00000°,λ134.00000°. NP2:ϕ_s89.00000°,δ53.00000°,λ44.00000°. Principal axes: T 2.3890,Plg55.0000° ,Azm297.0000°; N 0.2560,Plg35.0000°,Azm121.0000°; P -2.6480,Plg2.0000°,Azm29.0000° M_o2.51800×10^{16}

IDC Error ellipse: s-maj=8.8km s-min=7.8km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=45.0. Felt [IV] at Itanagar and Tezpur. Also felt at Bokokhat, Guwahati, North Guwahati, Rangia and Shillong.
NDI Error ellipse: s-maj=5.2km s-min=5.3km az=-1.0.

ISC	**X**	**02 18 40 42.8–.58**	**27.00N–.06**	**93.0E–.10**	**35**	**4.4b**	**67**	**2-85**	
ISCJB	X	02 18 40 40.6–.34	26.88N–.04	92.94E–.07	33	4.4b			¶601906635
NEIC	X	02 18 40 42.9–.30	26.95N	92.99E	35	4.6b			
IDC	X	02 18 40 44.4–2.9	26.86N	92.96E	50–28	4.9L,4.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.1km az=167.9.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=69.0.
IDC Error ellipse: s-maj=21.0km s-min=13.5km az=72.0.

ISC	**X**	**02 18 51 37.7–.39**	**26.86N–.04**	**92.93E–.04**	**35–4**	**4.2b**	**100**	**0-85**	
BJI	X	02 18 51 36.5	26.98N	93.01E	6	4.0b,3.8L			¶601783764
ISCJB	X	02 18 51 37.6–.34	26.81N–.03	92.91E–.03	56–3	4.2b,3.8L			
NDI	X	02 18 51 38.3–2.3	26.86N	92.96E	30–7	4.5b,4.4L			
NEIC	X	02 18 51 38.0–.18	26.91N	92.94E	38	4.5b,4.4L			
IDC	X	02 18 51 38.5–.73	26.89N	92.95E	38–6	4.2L,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=139.1.
NDI Error ellipse: s-maj=5.9km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=54.0.
IDC Error ellipse: s-maj=26.2km s-min=12.8km az=63.0.

NDI	**X**	**02 18 57 47.4–2.9**	**26.91N**	**92.91E**	**24–9**	**3.6L**	
							¶606594584

NDI Error ellipse: s-maj=7.4km s-min=7.8km az=-1.0.

NDI	**X**	**13 09 05 09.3–2.6**	**26.97N**	**92.73E**	**30–7**	**3.6L**	
							¶606594725

NDI Error ellipse: s-maj=6.8km s-min=5.3km az=-1.0.

ISC	**X**	**30 01 40 24.9–.92**	**26.15N–.03**	**92.44E–.03**	**46–9**	**4.2b**	**68**	**1-85**	
ISCJB	X	30 01 40 24.3–.29	26.15N–.02	92.42E–.03	59–3	4.3b			¶601874269
NDI	X	30 01 40 24.9–2.7	26.15N	92.46E	32–8	3.9L			
NEIC	X	30 01 40 26.5–.61	26.12N	92.34E	62–6	4.6b			
IDC	X	30 01 40 26.7–2.9	26.15N	92.33E	62–28	4.5L,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=0.7.
NDI Error ellipse: s-maj=4.6km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=68.0.
IDC Error ellipse: s-maj=28.0km s-min=12.6km az=67.0.

ISC	**XI**	**16 16 58 00.1–1.4**	**27.99N–.05**	**93.21E–.03**	**13–9**	**3.8b**	**30**	**1-65**	
IDC	XI	16 16 57 56.4–1.5	27.77N	92.89E	0	4.0L,3.7			¶601992279
ISCJB	XI	16 16 57 58.6–1.8	28.11N–.04	93.23E–.04	8–12	4.3s,3.6b			
NDI	XI	16 16 58 00.6–2.4	28.03N	93.28E	10	3.6L,3.6b			

ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=19.3km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=33.8.
NDI Error ellipse: s-maj=8.4km s-min=5.8km az=-1.0.

IDC	**XII**	**23 18 56 33.8–4.1**	**27.47N**	**93.98E**	**0**	**3.5,3.3**	
							¶602391936

IDC Error ellipse: s-maj=382.8km s-min=29.3km az=60.0.

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ISC	**VII**	**03 15 13 17.1–1.5**	**27.9N–.10**	**100.7E–.20**	**10**		**7**	**3-60**	
ISCJB	VII	03 15 13 14.4–1.3	27.91N–.08	100.8E–.20	10	3.6b,2.7s			¶601237314
IDC	VII	03 15 13 15.4–5.1	27.92N	100.84E	0	3.8,3.5b			
BJI	VII	03 15 13 18.6	27.91N	100.65E	8	3.4L,3.5b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=7.7km az=23.4.
IDC Error ellipse: s-maj=109.3km s-min=41.1km az=117.0.

IDC	**VII**	**25 04 43 33.2–1.4**	**25.97N**	**102.04E**	**0**	**3.6s,3.6**			
									¶601476048

IDC Error ellipse: s-maj=55.8km s-min=23.5km az=72.0.

ISC	**VII**	**26 23 59 54.8–.87**	**25.66N–.05**	**100.03E–.07**	**10**	**3.9b**	**19**	**3-92**	
ISCJB	VII	26 23 59 54.4–.70	25.71N–.06	100.13E–.05	10	3.9b,3.5s			¶601476135
BJI	VII	26 23 59 54.2	25.59N	99.97E	6	4.0b,3.7L			
IDC	VII	26 23 59 56.0–1.8	25.83N	99.81E	0	4.1L,4.0			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=24.9.
IDC Error ellipse: s-maj=51.2km s-min=23.8km az=89.0.

ISC	**VII**	**29 16 05 34.4–.43**	**23.10N–.03**	**101.39E–.04**	**10**	**4.1b,3.3s**	**94**	**2-90**	
ISCJB	VII	29 16 05 31.6–.28	23.05N–.02	101.41E–.03	10	4.1b,3.4s			¶601484836
BJI	VII	29 16 05 32.5	23.08N	101.22E	10	4.5b,4.4b			
NEIC	VII	29 16 05 33.1–.37	23.04N	101.29E	10	4.3b,4.4b			
PLV	VII	29 16 05 34.1–1.5	23.17N	101.45E	7–7	4.1L,4.4b			
IDC	VII	29 16 05 36.8–5.3	22.95N	101.17E	35–45	4.0L,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=143.5.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.0km az=81.0.
PLV Error ellipse: s-maj=11.6km s-min=8.3km az=-1.0.
IDC Error ellipse: s-maj=38.1km s-min=14.7km az=66.0.

ISC	**VIII**	**22 11 04 19.4–1.0**	**27.7N–.20**	**100.4E–.30**	**10**	**3.9b**	**11**	**3-86**	
ISCJB	VIII	22 11 04 17.4–.73	27.6N–.10	100.3E–.20	10	3.7b			¶601614648
BJI	VIII	22 11 04 17.8	27.58N	100.12E	6	3.7L,3.6			
IDC	VIII	22 11 04 17.7–.99	27.56N	100.42E	0	3.9,3.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.0km s-min=6.3km az=142.5.
IDC Error ellipse: s-maj=44.3km s-min=18.3km az=58.0.

ISC	**IX**	**04 15 09 32.6–1.7**	**23.14N–.09**	**103.40E–.05**	**10**		**27**	**1-7**	
ISCJB	IX	04 15 09 31.6–1.4	23.04N–.06	103.54E–.07	10				¶604684284
PLV	IX	04 15 09 32.8–2.3	23.04N	103.48E	7–17	3.2L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.0km az=39.7.
PLV Error ellipse: s-maj=9.6km s-min=10.3km az=-1.0.

ISC	**IX**	**07 03 19 43.1–.41**	**27.48N–.02**	**104.05E–.02**	**15–2**	**5.6b,5.4s**	**1304**	**3-175**	
ISCJB	IX	07 03 19 40.1–.54	27.55N–.02	103.98E–.01	6–3	5.5b,5.3s			¶601696464
BJI	IX	07 03 19 41.5	27.51N	103.97E	14	6.1L,5.7			
MOS	IX	07 03 19 41.7–.91	27.56N	103.98E	27	5.7b,5.3s			
NEIC	IX	07 03 19 42.0–.00	27.31N	104.49E	11	5.7b,5.3s			
NEIC	IX	07 03 19 42.5–.11	27.58N	103.98E	10	5.6W,5.6b			
GCMT	IX	07 03 19 43.5–.10	27.47N–.01	104.12E–.01	12	5.6W,5.6b			
IDC	IX	07 03 19 46.1–1.8	27.55N	103.97E	33–13	5.4,5.2			

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=2.2km az=174.7.
MOS Error ellipse: s-maj=4.9km s-min=3.1km az=122.4.
NEIC Event type se. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}1.67 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.42 $M_{r\theta}$-0.90 $M_{\theta\phi}$-0.84 $M_{\phi r}$-0.98 Best double couple: NP1:ϕ_s217.00000° ,δ64.00000°,λ99.00000°. NP2:ϕ_s17.00000°,δ28.00000°,λ72.00000°. Principal axes: T 2.1400,Plg69.0000°,Azm146.0000°; N 0.1400,Plg8.0000°,Azm33.0000° ; P -2.2800,Plg18.0000°,Azm300.0000° M_o2.20000×10^{17}
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.6km az=203.0. At least 81 people killed, 821 injured, 37,000 buildings destroyed, 133,000 houses damaged and landslides and power outages occurred in the epicentral area. Felt strongly at Zhaotong and [II] at Chengdu. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.92 $M_{\theta\phi}$-3.17 $M_{\phi r}$0.82 Best double couple: NP1:ϕ_s356.00000°,δ77.00000°,λ14.00000°. NP2:ϕ_s263.00000°,δ76.00000°,λ167.00000°. Principal axes: T 3.6400,Plg19.0000° ,Azm220.0000°; N -0.3900,Plg71.0000°,Azm37.0000°; P -3.2500,Plg1.0000°,Azm129.0000° M_o3.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c173; s131,c322;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.70±.03 $M_{\theta\theta}$0.69±.03; $M_{\phi\phi}$-2.39±.03; $M_{r\theta}$-0.97±.09; $M_{\theta\phi}$-1.78±.03; $M_{\phi r}$-0.23±.09; Best double couple: NP1:ϕ_s236.00000°,δ63.00000°,λ136.00000°. NP2:ϕ_s350.00000°,δ51.00000°,λ35.00000°. Principal axes: T 2.4360,Plg49.0000° ,Azm197.0000°; N 0.8490,Plg40.0000°,Azm32.0000°; P -3.2810,Plg7.0000°,Azm296.0000° M_o2.85800×10^{17}
IDC Error ellipse: s-maj=8.6km s-min=7.1km az=33.0.

IDC	**IX**	**07 03 40 33.1–1.8**	**27.24N**	**103.87E**	**0**	**3.5,3.4**			
									¶601697759

IDC Error ellipse: s-maj=89.6km s-min=28.9km az=64.0.
ISC IX 07 03 58 02.3–1.0 27.59N–.03 104.10E–.03 17–6 4.8b 381 3-164
BJI IX 07 03 58 00.5 27.58N 104.01E 9 4.9b,4.8L **¶601687286**
NEIC IX 07 03 58 01.0–.17 27.58N 104.05E 10 4.8L,4.8b
ISCJB IX 07 03 58 03.3–.53 27.62N–.02 104.06E–.02 37–5 4.7b,4.8b
MOS IX 07 03 58 03.9–.88 27.60N 104.08E 24 4.9b,4.8b
IDC IX 07 03 58 06.5–2.7 27.56N 104.08E 54–25 4.5,4.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=211.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=163.7.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=116.7.
IDC Error ellipse: s-maj=11.6km s-min=9.4km az=40.0.
ISC IX 07 04 06 03.5–.48 27.55N–.03 104.01E–.04 10 4.1b 56 3-95
ISCJB IX 07 04 06 00.7–.33 27.61N–.03 104.03E–.04 10 4.0b,3.9s **¶601687287**
NEIC IX 07 04 06 03.0–.40 27.60N 103.93E 10 4.2b,4.0L
BJI IX 07 04 06 05.0 27.50N 103.98E 10 4.0L,3.9b
IDC IX 07 04 06 08.8–3.5 27.53N 103.98E 61–34 4.0s,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=178.1.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=81.0.
IDC Error ellipse: s-maj=21.0km s-min=13.0km az=51.0.
ISC IX 07 04 16 33.1–.47 27.52N–.02 104.13E–.02 27–3 5.5b,5.0s 1188 2-172
MOS IX 07 04 16 30.3–.92 27.57N 104.00E 20 5.6b,4.9s **¶601696467**
BJI IX 07 04 16 30.0 27.56N 104.03E 14 5.8L,5.6s
NEIC IX 07 04 16 30.5–.10 27.57N 104.01E 10 5.8L,5.5b
ISCJB IX 07 04 16 30.0–.64 27.59N–.02 104.04E–.02 17–4 5.4b,4.9s
GCMT IX 07 04 16 32.5–.10 27.47N–.01 104.19E–.01 12 5.3W,4.9s
IDC IX 07 04 16 35.8–1.5 27.57N 104.05E 48–14 5.2,5.1L
ISC Event type de.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=123.7.
NEIC Event type de. Error ellipse: s-maj=3.0km s-min=2.3km az=207.0. Casualties and damage included with event at 0319 UTC.
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=2.3km az=174.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c103; s115,c215;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.46±.02 $M_{\theta\theta}$0.55±.02; $M_{\phi\phi}$-1.02±.01; $M_{r\theta}$-0.38±.05; $M_{\theta\phi}$-0.46±.01; $M_{\phi r}$0.30±.04; Best double couple: NP1:ϕ_s338.00000°,δ69.00000°,λ34.00000°. NP2:ϕ_s234.00000°,δ58.00000°,λ155.00000°. Principal axes: T 1.0370,Plg39.0000° ,Azm199.0000°; N 0.1300,Plg51.0000°,Azm5.0000°; P -1.1700,Plg7.0000°,Azm104.0000° M_o1.10300×10^{17}
IDC Error ellipse: s-maj=8.6km s-min=7.2km az=50.0.
ISC IX 07 04 30 31.7–1.3 27.6N–.20 104.1E–.20 10 3.7b 6 20-60
ISCJB IX 07 04 30 29.6–1.0 27.6N–.10 104.1E–.20 10 3.7b **¶601697782**
IDC IX 07 04 30 30.2–1.1 27.61N 104.05E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.7km s-min=16.8km az=151.1.
IDC Error ellipse: s-maj=40.3km s-min=19.3km az=61.0.
ISC IX 07 05 12 46.9–.30 27.58N–.03 104.08E–.03 10 4.7b,3.8s 245 3-149
ISCJB IX 07 05 12 45.2–.17 27.63N–.02 104.13E–.02 10 4.6b,3.7s **¶601687289**
BJI IX 07 05 12 46.2 27.54N 104.00E 14 4.7b,4.6b
NEIC IX 07 05 12 48.1–.80 27.68N 104.15E 16–5 4.7b,4.6L
MOS IX 07 05 12 49.8–.88 27.57N 104.19E 27 4.7b,4.6L
IDC IX 07 05 12 50.3–2.9 27.60N 104.15E 36–24 4.4,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=161.9.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.9km az=168.0.
MOS Error ellipse: s-maj=7.6km s-min=5.2km az=104.1.
IDC Error ellipse: s-maj=14.3km s-min=10.8km az=43.0.
IDC IX 07 06 11 02.9–1.5 27.37N 104.22E 0 3.6,3.5
¶601697819
IDC Error ellipse: s-maj=45.1km s-min=24.3km az=69.0.
IDC IX 07 11 18 00.8–2.0 26.69N 100.18E 0 3.7,3.4
¶601697866
IDC Error ellipse: s-maj=368.3km s-min=29.8km az=56.0.
IDC IX 07 11 25 52.9–1.3 27.48N 104.02E 0 3.8L,3.6
¶601697870
IDC Error ellipse: s-maj=36.3km s-min=23.6km az=78.0.
ISC IX 07 13 13 07.7–.63 27.62N–.04 104.15E–.05 10 3.9b 25 3-60
ISCJB IX 07 13 13 05.7–.46 27.71N–.03 104.28E–.05 10 4.0b,2.8s **¶601695787**
BJI IX 07 13 13 07.5 27.56N 104.01E 8 4.2b,4.1b
IDC IX 07 13 13 12.9–3.9 27.58N 104.20E 64–40 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=168.4.
IDC Error ellipse: s-maj=24.0km s-min=14.9km az=67.0.
ISC IX 08 11 47 28.4–.43 27.57N–.03 104.00E–.03 10 4.1b 72 3-73
IDC IX 08 11 47 25.4–.82 27.30N 103.82E 0 4.0,3.9 **¶601698171**
ISCJB IX 08 11 47 26.6–.31 27.56N–.03 104.02E–.04 10 4.0b,3.9
BJI IX 08 11 47 28.4 27.56N 104.00E 14 4.1L,3.7s
NEIC IX 08 11 47 28.9–.36 27.57N 103.92E 10 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=16.2km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=17.7.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.9km az=97.0.
ISC IX 08 12 20 50.0–.87 27.60N–.08 104.28E–.07 10 4.0b 12 2-61
ISCJB IX 08 12 20 48.3–.59 27.62N–.07 104.16E–.07 10 3.9b **¶601698178**
IDC IX 08 12 20 48.2–.99 27.61N 104.29E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.9km az=36.3.
IDC Error ellipse: s-maj=48.1km s-min=17.8km az=66.0.
ISC IX 11 03 20 18.0–.40 24.67N–.04 99.28E–.04 10 4.5b,4.0s 102 3-150
ISCJB IX 11 03 20 16.3–.27 24.64N–.04 99.30E–.03 10 4.5s,4.5b **¶601703102**
IDC IX 11 03 20 16.2–.61 24.70N 99.29E 0 4.3,4.2
BJI IX 11 03 20 16.6 24.67N 99.18E 8 4.6b,4.5s
NEIC IX 11 03 20 18.1–.23 24.69N 99.28E 10 4.6b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=7.0.
IDC Error ellipse: s-maj=21.2km s-min=12.9km az=61.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=48.0.
ISC IX 11 03 21 21.8–.64 24.65N–.03 99.20E–.03 13–4 5.0b,4.4s 505 3-166
IDC IX 11 03 21 19.6–.36 24.67N 99.24E 0 4.7,4.6 **¶601703105**
ISCJB IX 11 03 21 20.4–.94 24.58N–.02 99.19E–.02 18–7 4.8b,4.4s
BJI IX 11 03 21 20.4 24.66N 99.18E 14 5.0b,5.0L
NEIC IX 11 03 21 21.2–.14 24.65N 99.27E 10 5.0L,5.0b
MOS IX 11 03 21 22.9–.97 24.66N 99.26E 33 5.1b,4.3s
GCMT IX 11 03 21 22.2–.20 24.69N–.02 99.30E–.02 12 4.9W,4.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s76,c129;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.38±.08 $M_{\theta\theta}$-0.24±.08; $M_{\phi\phi}$2.62±.07; $M_{r\theta}$2.06±.30; $M_{\theta\phi}$0.77±.07; $M_{\phi r}$0.15±.24; Best double couple: NP1:ϕ_s224.00000°,δ60.00000°,λ-55.00000°. NP2:ϕ_s349.00000°,δ45.00000°,λ-136.00000°. Principal axes: T 2.9130,Plg9.0000° ,Azm289.0000°; N 0.7270,Plg30.0000°,Azm24.0000°; P -3.6450,Plg58.0000°,Azm185.0000° M_o3.27900×10^{16}
IDC IX 12 15 19 52.1–1.4 27.53N 104.38E 0 3.6,3.4
¶601714096
IDC Error ellipse: s-maj=50.3km s-min=24.5km az=73.0.
ISC IX 12 21 12 29.7–.86 27.5N–.10 104.2E–.20 35 3.7b 12 10-61
IDC IX 12 21 12 24.9–.85 27.57N 104.19E 0 4.1,4.1s **¶601712525**
ISCJB IX 12 21 12 27.1–.65 27.50N–.09 104.1E–.10 33 3.9s,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 12 21 15 03.0–.49 27.51N–.04 104.06E–.03 10 3.9b,3.1s 50 3-70
ISCJB IX 12 21 15 02.2–.33 27.63N–.04 104.20E–.04 10 3.9b,3.2s **¶601712526**
BJI IX 12 21 15 02.3 27.51N 103.99E 10 4.2b,4.1b
IDC IX 12 21 15 02.3–.81 27.59N 104.20E 0 4.1,3.9b
NEIC IX 12 21 15 04.3–.41 27.61N 104.13E 10 4.1b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=5.0km az=42.6.
IDC Error ellipse: s-maj=23.8km s-min=15.3km az=41.0.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=90.0.
ISC IX 12 23 35 16.0–.81 27.7N–.10 104.2E–.10 35 3.9b 15 10-67
IDC IX 12 23 35 10.4–.85 27.55N 104.11E 0 3.9,3.9 **¶601717426**
ISCJB IX 12 23 35 13.6–.60 27.60N–.09 104.1E–.10 33 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC IX 13 05 00 14.3–4.0 27.42N 104.09E 49–50 4.1L,3.5
¶601717458
IDC Error ellipse: s-maj=35.4km s-min=24.6km az=84.0.
IDC IX 14 19 59 18.9–1.3 27.47N 104.30E 0 3.5L,3.4
¶601719327
IDC Error ellipse: s-maj=50.9km s-min=23.2km az=69.0.
ISC IX 15 18 25 53.2–1.3 25.1N–.20 100.04E–.08 10 3.7b 11 2-59
ISCJB IX 15 18 25 50.9–.95 25.0N–.10 100.06E–.07 10 3.6b,3.4s **¶601719480**
IDC IX 15 18 25 51.7–1.1 25.10N 100.17E 0 3.8,3.6
BJI IX 15 18 25 52.5 25.09N 99.99E 10 3.7L,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=7.8km az=13.7.
IDC Error ellipse: s-maj=44.8km s-min=16.7km az=78.0.
ISC IX 17 18 21 56.2–.72 27.69N–.04 103.97E–.06 10 3.7b,3.2s 20 3-83
ISCJB IX 17 18 21 52.6–.53 27.66N–.04 104.14E–.06 10 3.7b,3.2s **¶601725120**
IDC IX 17 18 21 52.9–.93 27.65N 104.10E 0 4.0L,3.8
BJI IX 17 18 21 54.4 27.51N 103.97E 13 3.9L,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.7km az=160.6.
IDC Error ellipse: s-maj=47.1km s-min=17.1km az=65.0.
IDC IX 17 19 44 03.5–1.4 27.31N 103.97E 0 3.5,3.3
¶601731844
IDC Error ellipse: s-maj=87.6km s-min=23.5km az=65.0.
ISC IX 17 23 28 38.0–.47 23.29N–.04 100.06E–.05 10 4.3b,3.6s 70 3-147
IDC IX 17 23 28 34.8–.64 23.33N 100.12E 0 4.1,4.0 **¶601721791**
BJI IX 17 23 28 34.7 23.34N 100.08E 14 4.6b,4.6L
ISCJB IX 17 23 28 35.2–.27 23.35N–.02 100.14E–.04 10 4.2b,3.6s
NEIC IX 17 23 28 36.7–.27 23.34N 100.15E 10 4.6L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=12.0km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=14.1.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=92.0.
ISC IX 18 09 37 50.7–.46 27.63N–.03 104.03E–.04 10 4.3b,3.1s 70 3-74
ISCJB IX 18 09 37 48.5–.29 27.66N–.03 104.06E–.04 10 4.3b,3.2s **¶601725122**
BJI IX 18 09 37 48.1 27.49N 103.98E 10 4.3b,4.3b
NEIC IX 18 09 37 50.6–.31 27.64N 104.03E 10 4.7b,4.2L
IDC IX 18 09 37 54.9–3.6 27.69N 104.09E 43–38 4.0,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.1km az=167.1.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=80.0.
IDC Error ellipse: s-maj=20.8km s-min=13.0km az=61.0.
BJI IX 23 07 55 56.5 27.50N 103.98E 10 3.5L
¶601739288
IDC IX 28 00 34 28.3–1.1 27.73N 104.37E 0 3.7,3.5
¶601751843
IDC Error ellipse: s-maj=85.0km s-min=18.3km az=63.0.
ISC X 04 20 43 36.6–1.1 24.69N–.06 99.67E–.08 10 3.0s 13 3-36
IDC X 04 20 43 36.8–1.7 24.75N 99.43E 0 3.5L,3.4 **¶601794687**
BJI X 04 20 43 37.3 24.78N 99.69E 14 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=18.8km az=91.0.
ISC X 13 14 08 06.3–.59 26.20N–.04 103.12E–.05 6 4.0b 23 1-75
ISCJB X 13 14 08 04.5–.46 26.17N–.04 103.11E–.05 6 4.0b,3.1s **¶601834037**
IDC X 13 14 08 05.7–.76 26.30N 103.23E 0 4.1,3.9
BJI X 13 14 08 06.0 26.16N 103.03E 10 3.7L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=29.2.
IDC Error ellipse: s-maj=26.3km s-min=15.2km az=69.0.
ISC X 14 23 07 59.7–.30 25.23N–.03 101.87E–.03 10 4.7b,3.6s 255 1-150
ISCJB X 14 23 07 57.7–.16 25.18N–.02 101.84E–.02 10 4.5b,3.6s **¶601834065**
BJI X 14 23 07 59.4 25.15N 101.90E 10 4.7b,4.6b
NEIC X 14 23 07 59.4–.14 25.20N 101.92E 10 4.7b,4.4L
MOS X 14 23 08 00.9–.93 25.10N 101.84E 35 4.8b,4.4L
IDC X 14 23 08 02.6–2.8 25.13N 101.83E 33–21 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=24.2.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=56.0. Felt [II] at Kunming. Also felt at Chuxiong and Dali.
MOS Error ellipse: s-maj=8.8km s-min=5.7km az=119.8.
IDC Error ellipse: s-maj=13.9km s-min=10.7km az=56.0.
IDC XI 06 01 18 36.3–1.1 27.10N 99.51E 0 4.4L,3.7
¶602388897
IDC Error ellipse: s-maj=64.3km s-min=19.1km az=65.0.
ISC XI 09 19 54 28.6–.39 25.44N–.03 102.55E–.04 10 4.5b 137 0-76
ISCJB XI 09 19 54 26.3–.23 25.39N–.03 102.54E–.03 10 4.3b **¶601883715**
IDC XI 09 19 54 26.5–.61 25.45N 102.54E 0 4.1,4.0
BJI XI 09 19 54 27.9 25.36N 102.37E 6 4.5b,4.5b
NEIC XI 09 19 54 29.5–1.2 25.37N 102.56E 21–9 4.7b,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=179.0.
IDC Error ellipse: s-maj=19.1km s-min=12.7km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.1km az=88.0. Felt at Kunming.
ISC XI 15 12 52 19.5–.74 27.34N–.08 100.27E–.09 10 3.7b 24 3-71
ISCJB XI 15 12 52 16.7–.62 27.31N–.09 100.36E–.07 10 3.6b **¶601903595**
IDC XI 15 12 52 17.7–.81 27.46N 100.52E 0 3.8,3.7
BJI XI 15 12 52 20.9 27.30N 100.31E 11 3.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=8.9km az=18.1.
IDC Error ellipse: s-maj=38.6km s-min=14.0km az=65.0.
ISC XI 17 04 52 05.3–1.2 27.3N–.10 103.6E–.20 10 3.7b 10 8-61
ISCJB XI 17 04 52 03.1–.85 27.36N–.09 103.8E–.10 10 3.8b,3.0s **¶601992377**
IDC XI 17 04 52 03.7–1.0 27.30N 103.64E 0 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=11.4km az=22.2.
IDC Error ellipse: s-maj=77.9km s-min=18.1km az=62.0.
IDC XI 21 07 22 39.8–1.4 27.54N 100.40E 0 3.5,3.3
¶601993380
IDC Error ellipse: s-maj=80.4km s-min=21.5km az=63.0.
ISC XII 09 15 23 19.4–.49 27.43N–.04 103.78E–.04 10 4.1b 57 2-85
ISCJB XII 09 15 23 17.6–.32 27.39N–.03 103.89E–.04 10 4.1b **¶602033203**
IDC XII 09 15 23 18.6–.76 27.53N 104.00E 0 4.0,3.9
NEIC XII 09 15 23 19.3–1.7 27.42N 103.79E 6–12 4.2b,3.7L
BJI XII 09 15 23 22.8 27.46N 103.97E 12 3.7L,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.6km az=151.3.
IDC Error ellipse: s-maj=29.4km s-min=14.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.7km az=63.0.
ISC XII 29 22 51 27.6–.50 25.30N–.05 99.97E–.04 10 4.0b 50 3-145
ISCJB XII 29 22 51 24.4–.32 25.11N–.04 100.02E–.04 10 3.9b **¶602068350**
IDC XII 29 22 51 24.6–.75 25.14N 100.04E 0 4.2L,3.9
BJI XII 29 22 51 26.0 25.12N 99.97E 16 3.9L,3.9s
NEIC XII 29 22 51 26.3–.28 25.14N 99.99E 10 4.2b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=43.5.
IDC Error ellipse: s-maj=25.2km s-min=15.3km az=67.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=73.0.

(319) Bay of Bengal.

ISC VII 30 17 11 21.6–4.3 15.1N–.90 94E–2.0 10 3.5b 6 6-55
IDC VII 30 17 11 20.8–1.4 15.26N 93.82E 0 3.7,3.6 **¶601650779**
ISC Event type ke.
IDC Error ellipse: s-maj=54.0km s-min=17.6km az=62.0.
ISC VIII 02 13 16 41.3–.54 19.78N–.05 89.79E–.04 35 4.2b 72 3-84
NEIC VIII 02 13 16 37.0–.49 19.56N 89.81E 10 4.7b **¶601511884**
IDC VIII 02 13 16 37.0–1.2 19.72N 89.67E 0 4.3L,4.2

ISCJB VIII 02 13 16 39.6–.37 19.77N–.03 89.77E–.03 33 4.0b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 02 23 36 07.8–1.7 17.1N–.20 93.8E–.20 35 3.6b 8 5-56
IDC X 02 23 36 02.2–1.7 17.02N 93.69E 0 4.2L,3.8 **¶601996865**
ISCJB X 02 23 36 05.2–1.2 17.0N–.10 93.8E–.10 33 3.6b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 19 06 23 23.7–.78 15.68N–.06 82.73E–.08 10 3.9b 13 2-78
IDC XII 19 06 23 23.0–1.1 15.65N 82.62E 0 4.9L,4.0 **¶602391656**
HYB XII 19 06 23 25.8–.00 15.65N 83.66E 42 3.7L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=54.2km s-min=24.6km az=61.0.

SEISMIC REGION 27.
Southern Xinjiang to Gansu.

(320) Kyrgyzstan-Xinjiang border region.

ISC VII 08 08 45 20.2–1.2 40.55N–.05 77.15E–.03 10 69 1-7
SOME VII 08 08 45 18.9 40.47N 77.25E 10 **¶601255421**
KRNET VII 08 08 45 20.7–.10 40.60N 77.34E 3.6b
NNC VII 08 08 45 23.0–1.2 40.60N 77.19E 0 3.8b,3.5
ISCJB VII 08 08 45 24.9–.00 40.47N–.06 77.08E–.05 10 3.8b,3.5
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VII 08 16 04 26.1–2.0 41.78N–.07 79.08E–.05 1–12 46 1-4
KRNET VII 08 16 04 25.8–.10 41.70N 79.18E 22 2.3b **¶601261082**
SOME VII 08 16 04 26.7 41.78N 79.08E 5 2.3b
NNC VII 08 16 04 26.4–4.2 44.83N 78.69E 0 2.9b,2.6
ISC Event type ke.
NNC Error ellipse: s-maj=33.7km s-min=15.3km az=20.0.
ISC VII 11 20 21 50.8–1.4 40.82N–.05 77.97E–.04 6–7 85 1-7
SOME VII 11 20 21 48.2 40.87N 77.93E 5 **¶601275839**
KRNET VII 11 20 21 48.1–.10 40.83N 77.99E 24 2.8b
NNC VII 11 20 21 54.5–4.0 40.98N 78.05E 0 3.8b,3.4
KNET VII 11 20 22 14.0–1.3 41.81N 76.37E 0 2.5L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.4km s-min=17.9km az=149.0.
KNET Error ellipse: s-maj=11.7km s-min=1.9km az=136.0.
ISC VII 18 09 29 03.2–1.9 40.15N–.07 77.31E–.05 5–14 64 2-6
KRNET VII 18 09 29 02.2–.10 40.33N 77.42E 3.1b **¶601451904**
SOME VII 18 09 29 05.5 40.30N 77.17E 15 3.1b
NNC VII 18 09 29 10.7–2.2 40.49N 76.76E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=12.1km az=145.0.
SOME VII 24 20 52 16.1 42.07N 80.83E 0
¶605525668
ISC VII 26 22 17 21.7–1.4 41.92N–.05 77.32E–.02 9–10 64 1-5
SOME VII 26 22 17 21.6 41.92N 77.37E 10 **¶602582804**
KRNET VII 26 22 17 21.9–.10 41.96N 77.35E 14 2.6b
NNC VII 26 22 17 24.1–2.9 44.15N 76.93E 2–20 2.9b,2.5
ISC Event type ke.
NNC Error ellipse: s-maj=22.5km s-min=7.0km az=163.0.
ISC VII 29 07 16 25.3–1.4 41.93N–.06 79.25E–.04 10 69 1-7
SOME VII 29 07 16 23.6 41.82N 79.22E 10 **¶601497322**
KRNET VII 29 07 16 24.5–.10 41.94N 79.30E 3.4b
NNC VII 29 07 16 25.6–2.4 41.98N 79.49E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=8.4km az=141.0.
ISC VII 31 14 05 05.6–.99 40.46N–.04 74.93E–.03 10 78 1-5
KRNET VII 31 14 05 05.6–.10 40.33N 75.03E 30 3.4b **¶601503262**
NNC VII 31 14 05 06.6–1.0 40.47N 74.89E 0 3.8b,3.5
SOME VII 31 14 05 06.0 40.53N 74.97E 0 3.8b,3.5
ISCJB VII 31 14 05 09.6–.84 40.45N–.05 74.79E–.06 10 3.8b,3.5
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 02 16 11 40.5–.76 40.95N–.03 74.12E–.03 17–7 47 1-10
KRNET VIII 02 16 11 41.9–.10 40.97N 74.04E 17 3.7b **¶601513190**
NNC VIII 02 16 11 41.4–.60 40.93N 73.98E 0 3.8b,3.4
SOME VIII 02 16 11 44.2 41.15N 74.00E 5 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=2.9km az=106.0.
ISC VIII 04 20 21 52.3–2.2 41.84N–.07 79.81E–.06 4–12 70 1-7
KRNET VIII 04 20 21 48.8–.10 41.70N 79.81E 3.4b **¶601521432**
SOME VIII 04 20 21 49.8 41.83N 79.62E 0 3.4b
NNC VIII 04 20 21 51.8–3.0 41.78N 79.80E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=13.6km az=141.0.
ISC VIII 07 13 42 33.5–1.7 40.50N–.07 77.62E–.04 10 66 2-5
NNC VIII 07 13 42 30.6–1.3 40.51N 77.57E 0 3.6b,3.2 **¶601534162**
SOME VIII 07 13 42 31.1 40.68N 77.63E 0 3.6b,3.2
KRNET VIII 07 13 42 32.0–.10 40.59N 77.64E 3.2b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=5.7km az=142.0.
ISC VIII 07 15 03 18.8–1.6 40.09N–.07 76.63E–.04 10 85 2-8
SOME VIII 07 15 03 18.6 40.42N 76.40E 0 **¶601534169**
KRNET VIII 07 15 03 18.2–.10 40.20N 76.71E 3.7b
NNC VIII 07 15 03 20.4–1.9 40.37N 76.61E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.4km s-min=9.3km az=137.0.
ISC VIII 10 13 10 30.3–1.7 40.34N–.06 77.25E–.03 1–13 73 2-10
SOME VIII 10 13 10 25.8 40.22N 77.40E 0 **¶601553927**
KRNET VIII 10 13 10 28.2–.10 40.25N 77.47E 3.2b
NNC VIII 10 13 10 31.1–2.5 40.36N 77.30E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=10.0km az=144.0.
ISC VIII 13 09 38 00.9–2.4 41.88N–.08 79.55E–.06 0–12 47 1-5
SOME VIII 13 09 38 00.5 41.85N 79.73E 15 **¶601561773**
NNC VIII 13 09 38 01.0–3.5 41.89N 79.53E 0 2.9b,2.6
KRNET VIII 13 09 38 02.1–.10 41.99N 79.70E 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=13.5km az=136.0.
ISC VIII 15 21 41 44.0–.84 40.95N–.03 74.62E–.02 10 94 1-7
KRNET VIII 15 21 41 43.3–.10 40.96N 74.68E 20 3.5b **¶601564021**
NNC VIII 15 21 41 43.5–.79 40.92N 74.65E 0 3.9b,3.6
SOME VIII 15 21 41 44.0 41.07N 74.65E 0 3.9b,3.6
ISCJB VIII 15 21 41 47.3–.49 40.98N–.03 74.48E–.04 10 3.9b,3.6
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 24 07 43 12.0–1.3 40.42N–.04 74.47E–.03 9–13 80 1-5
SOME VIII 24 07 43 13.6 40.33N 74.53E 10 **¶601627545**
KRNET VIII 24 07 43 14.1–.10 40.42N 74.44E 14 3.3b
NNC VIII 24 07 43 15.0–.86 40.45N 74.40E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=2.8km az=129.0.
ISC VIII 25 10 35 28.0–1.2 40.93N–.03 74.93E–.02 6–15 83 1-4
KRNET VIII 25 10 35 27.9–.10 40.90N 74.94E 19 2.2b **¶602583089**
SOME VIII 25 10 35 28.1 40.85N 75.02E 10 2.2b
NNC VIII 25 10 35 28.4–1.9 40.79N 75.05E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=6.8km az=120.0.
ISC VIII 27 07 45 42.9–2.0 40.77N–.09 77.83E–.04 10 59 2-5
SOME VIII 27 07 45 42.0 40.72N 78.08E 15 **¶601629687**
KRNET VIII 27 07 45 44.6–.10 40.86N 77.82E 3.0b
NNC VIII 27 07 45 45.4–3.1 45.63N 76.86E 0 3.5b,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=26.5km s-min=13.1km az=176.0.

ISC IX 01 13 21 59.8–1.3 41.64N–.06 79.40E–.04 10 84 1-20
IDC IX 01 13 21 55.0–3.2 41.38N 79.48E 0 3.3,3.3 **¶601671947**
SOME IX 01 13 21 56.6 41.47N 79.42E 20 3.3,3.3
KRNET IX 01 13 21 58.5–.10 41.68N 79.55E 3.6b,3.3
NNC IX 01 13 22 00.2–1.4 41.66N 79.35E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=23.0km az=145.0.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=6.0km az=141.0.
ISC IX 01 14 53 26.1–1.5 40.21N–.07 77.35E–.04 28 79 2-6
SOME IX 01 14 53 19.3 40.12N 77.40E 15 **¶601671956**
KRNET IX 01 14 53 19.2–.10 40.12N 77.42E 3.1b
NNC IX 01 14 53 24.4–1.9 40.01N 77.24E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=9.3km az=140.0.
ISC IX 01 16 21 19.4–3.0 40.7N–.10 77.59E–.06 2–14 32 2-3
KRNET IX 01 16 21 16.4–.10 40.75N 77.64E 2.6b **¶602583182**
SOME IX 01 16 21 19.0 40.63N 77.45E 10 2.6b
ISC Event type ke.
ISC IX 01 19 07 10.8–2.4 40.65N–.10 77.42E–.03 18–8 61 2-5
NNC IX 01 19 07 08.4–5.9 46.13N 76.33E 0 3.3b,2.9 **¶601673503**
KRNET IX 01 19 07 11.4–.10 40.66N 77.41E 2.6b,2.9
SOME IX 01 19 07 13.3 40.65N 77.47E 10 2.6b,2.9
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=42.1km s-min=26.4km az=173.0.
ISC IX 03 12 54 40.8–2.0 41.74N–.09 78.16E–.04 30–15 42 1-4
NNC IX 03 12 54 36.5–4.2 44.78N 77.75E 0 3.4b,3.1 **¶602583201**
SOME IX 03 12 54 37.8 41.80N 78.17E 15 3.4b,3.1
KRNET IX 03 12 54 39.2–.10 41.89N 78.05E 20 2.7b,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=33.2km s-min=18.1km az=172.0.
ISC IX 08 14 53 30.8–1.1 40.02N–.05 75.28E–.03 10 93 1-6
SOME IX 08 14 53 27.7 39.93N 75.38E 0 **¶601698207**
KRNET IX 08 14 53 28.3–.10 39.91N 75.36E 3.1b
NNC IX 08 14 53 28.9–2.1 39.93N 75.36E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.9km s-min=6.5km az=152.0.
ISC IX 10 07 51 57.8–1.5 40.94N–.05 74.36E–.03 7–12 41 1-4
KRNET IX 10 07 51 59.9–.10 41.00N 74.40E 21 2.2b **¶601738023**
SOME IX 10 07 52 00.0 40.97N 74.37E 5 2.2b
NNC IX 10 07 52 01.2–.61 40.90N 74.32E 0 2.6b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=3.0km az=110.0.
ISC IX 11 01 16 59.6–1.3 41.69N–.04 77.85E–.02 5–9 111 1-71
IDC IX 11 01 16 57.6–1.8 41.51N 77.95E 0 3.6L,3.5 **¶601712398**
KRNET IX 11 01 16 59.6–.10 41.76N 77.90E 16 3.7b,3.5
SOME IX 11 01 16 59.8 41.73N 77.93E 10 3.7b,3.5
BJI IX 11 01 17 00.4 41.76N 77.96E 13 3.2L,3.5
NNC IX 11 01 17 01.3–1.1 41.79N 77.98E 0 4.1b,3.6
KNET IX 11 01 17 08.0–2.0 42.21N 77.62E 9–10 3.2L,3.6
MOS IX 11 01 17 10.0–1.5 42.39N 77.86E 33 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=14.1km az=161.0.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=6.4km az=163.0.
KNET Error ellipse: s-maj=16.8km s-min=8.7km az=178.0.
MOS Error ellipse: s-maj=13.7km s-min=11.2km az=81.4.
ISC IX 11 03 50 15.8–1.4 41.14N–.04 76.31E–.02 6–11 85 0-5
SOME IX 11 03 50 14.7 41.12N 76.35E 5 **¶601703107**
KRNET IX 11 03 50 16.0–.10 41.18N 76.39E 14 3.2b
NNC IX 11 03 50 16.2–1.7 41.13N 76.36E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=9.8km az=136.0.
ISC IX 13 00 33 15.5–2.2 40.6N–.10 77.63E–.04 10 48 1-4
KRNET IX 13 00 33 12.0–.10 40.53N 77.68E 2.6b **¶602583289**
SOME IX 13 00 33 15.8 40.77N 77.78E 10 2.6b
ISC Event type ke.
ISC IX 13 11 15 31.0–2.1 41.11N–.09 79.93E–.06 10 41 2-6
SOME IX 13 11 15 25.9 40.95N 80.02E 10 **¶601742100**
KRNET IX 13 11 15 26.8–.10 40.98N 79.99E 2.5b
ISC Event type ke.
ISC IX 14 22 42 03.2–1.8 41.47N–.06 78.91E–.05 2–11 80 1-9
NNC IX 14 22 41 57.8–5.3 42.19N 80.24E 0 3.5b,3.2 **¶601719348**
SOME IX 14 22 42 05.5 41.63N 78.98E 10 3.5b,3.2
KRNET IX 14 22 42 06.8–.10 41.69N 79.08E 3.1b,3.2
ISC Event type ke.
NNC Error ellipse: s-maj=37.2km s-min=21.3km az=110.0.
ISC IX 17 02 24 14.9–2.2 40.73N–.09 77.67E–.04 6–13 72 1-5
SOME IX 17 02 24 16.7 40.95N 77.82E 0 **¶601725044**
NNC IX 17 02 24 19.7–3.5 45.36N 77.11E 0 3.5b,3.1
KRNET IX 17 02 24 21.4–.10 41.06N 77.59E 7 2.8b,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=30.3km s-min=17.4km az=175.0.
ISC IX 21 10 09 22.4–.92 40.42N–.03 77.38E–.02 6–6 4.5b,3.6s 281 1-146
IDC IX 21 10 09 20.1–.75 40.24N 77.31E 0 4.1,4.0 **¶601735574**
BJI IX 21 10 09 22.7 40.44N 77.37E 8 4.4b,4.4b
NNC IX 21 10 09 23.9–.56 40.52N 77.23E 0 4.8b,4.5
SOME IX 21 10 09 24.7 40.57N 77.22E 10 3.9s,4.5
KRNET IX 21 10 09 25.5–.10 40.60N 77.23E 5.0b,4.5
MOS IX 21 10 09 26.6–1.2 40.50N 77.41E 56 4.4b,4.5
NEIC IX 21 10 09 27.6–.66 40.49N 77.43E 46–6 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=14.1km az=4.0.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=149.0.
MOS Error ellipse: s-maj=7.1km s-min=4.9km az=102.8.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=163.0.
ISC IX 21 11 50 42.6–2.6 40.4N–.10 77.24E–.04 10 50 1-4
SOME IX 21 11 50 45.7 40.55N 77.25E 0 **¶602583378**
KRNET IX 21 11 50 45.6–.10 40.52N 77.21E 2.7b
NNC IX 21 11 50 52.5–4.7 45.47N 76.02E 0 3.4b,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=41.0km s-min=22.5km az=164.0.
ISC IX 24 17 36 50.1–1.8 41.56N–.07 79.30E–.05 10 54 1-6
KRNET IX 24 17 36 47.1–.10 41.55N 79.42E 3.1b **¶601742170**
SOME IX 24 17 36 48.3 41.57N 79.28E 5 3.1b
NNC IX 24 17 36 51.5–7.1 41.65N 79.47E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.9km s-min=29.7km az=158.0.
ISC X 01 00 05 22.3–1.3 41.50N–.04 78.24E–.03 11–10 110 1-54
KRNET X 01 00 05 17.7–.10 41.33N 78.36E 15 3.9b **¶601779506**
SOME X 01 00 05 18.5 41.42N 78.32E 0 3.9b
BJI X 01 00 05 18.7 41.39N 78.56E 5 3.6L
NNC X 01 00 05 19.7–1.6 41.39N 78.30E 0 4.0b,3.7
IDC X 01 00 05 24.1–5.6 41.58N 78.98E 0 3.8,3.8s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=7.4km az=156.0.
IDC Error ellipse: s-maj=78.7km s-min=43.2km az=85.0.
ISC X 04 06 42 40.0–1.2 40.90N–.03 74.88E–.02 18–8 80 1-5
KRNET X 04 06 42 40.4–.10 40.92N 74.87E 11 3.1b **¶601792437**
NNC X 04 06 42 42.5–1.4 40.85N 74.83E 0 3.6b,3.3
SOME X 04 06 42 43.1 40.92N 74.90E 15 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=6.8km az=122.0.
ISC X 04 06 46 40.0–.98 40.90N–.04 74.93E–.03 10 72 1-4
KNET X 04 06 46 36.6–.52 40.78N 74.88E 0 2.2L **¶601837977**
KRNET X 04 06 46 37.2–.10 40.87N 74.88E 12 2.7b
SOME X 04 06 46 37.3 40.83N 74.90E 5 2.7b
NNC X 04 06 46 40.1–1.1 40.88N 74.92E 0 3.1b,2.9
ISCJB X 04 06 46 43.2–.62 40.94N–.04 74.69E–.04 10 3.1b,2.9
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC X 07 19 16 28.4–1.2 40.97N–.03 74.87E–.02 6–10 95 1-4

SOME X 07 19 16 28.5 40.98N 74.87E 0 ¶601819491
KRNET X 07 19 16 28.1–.10 40.94N 74.86E 18 3.0b
NNC X 07 19 16 29.8–.74 40.92N 74.76E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=3.4km az=123.0.
ISC X 10 13 38 04.7–2.0 40.21N–.05 76.87E–.04 3–14 97 1-11
SOME X 10 13 37 58.1 39.93N 77.02E 0 ¶601828921
BJI X 10 13 37 59.7 39.93N 77.14E 5 3.5L
NNC X 10 13 38 01.9–1.8 40.09N 76.91E 0 4.1b,3.7
KRNET X 10 13 38 05.0–.10 40.12N 76.56E 3.7b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=148.0.
ISC X 11 03 47 53.9–1.9 40.68N–.09 77.22E–.04 10 56 1-5
SOME X 11 03 47 51.0 40.68N 77.43E 10 ¶601830254
KRNET X 11 03 47 52.3–.10 40.71N 77.24E 2.6b
ISC Event type ke.
ISC X 12 18 08 37.5–1.2 40.96N–.03 76.87E–.02 11–8 3.6b,3.1s 125 1-83
SOME X 12 18 08 32.2 40.82N 76.93E 0 3.6b,3.1s ¶601830329
IDC X 12 18 08 32.3–1.2 40.55N 76.90E 0 3.7b,3.6
KRNET X 12 18 08 34.4–.10 40.89N 76.89E 12 3.8b,3.6
BJI X 12 18 08 34.0 40.87N 76.95E 7 3.8b,3.7L
NNC X 12 18 08 37.3–.55 40.90N 76.89E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=15.6km az=137.0.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=143.0.
ISC X 13 04 55 47.5–1.4 40.15N–.06 76.64E–.04 10 75 1-5
SOME X 13 04 55 43.7 40.13N 77.08E 5 ¶601833991
KRNET X 13 04 55 46.1–.10 40.13N 76.68E 3.2b
ISCJB X 13 04 55 49.4–.91 40.06N–.05 76.56E–.05 10 3.2b
NNC X 13 04 55 49.2–2.2 40.31N 76.92E 0 3.6b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.2km az=164.2.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=10.7km az=132.0.
ISC X 13 09 34 05.9–1.7 40.64N–.05 76.74E–.04 10–13 74 1-5
SOME X 13 09 34 06.5 40.78N 76.90E 10 ¶601834007
KRNET X 13 09 34 07.5–.10 40.67N 76.69E 18 3.1b
NNC X 13 09 34 11.4–1.4 40.91N 76.77E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=9.3km az=139.0.
ISC X 13 09 49 34.3–1.6 40.80N–.05 76.79E–.03 8–15 79 1-5
SOME X 13 09 49 34.6 40.78N 76.93E 5 ¶601834010
KRNET X 13 09 49 36.9–.10 40.86N 76.73E 12 3.1b
NNC X 13 09 49 38.8–1.6 40.87N 76.76E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=9.3km az=142.0.
ISC X 13 11 11 28.3–2.9 40.5N–.10 77.60E–.06 1–14 32 2-3
SOME X 13 11 11 33.0 40.67N 77.67E 10 ¶602583609
KRNET X 13 11 11 33.0–.10 40.66N 77.48E 2.5b
ISC Event type ke.
ISC X 13 15 05 10.8–1.9 40.70N–.06 76.44E–.04 16–10 50 1-3
SOME X 13 15 05 07.3 40.75N 77.02E 10 ¶602583606
ISCJB X 13 15 05 12.5–1.2 40.75N–.05 76.39E–.05 24–9
KRNET X 13 15 05 12.7–.10 40.82N 76.35E 35 2.3b
NNC X 13 15 05 14.7–7.8 44.96N 75.77E 16–36 3.0b,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=154.4.
NNC Error ellipse: s-maj=53.3km s-min=22.4km az=152.0.
ISC X 14 11 10 28.4–1.1 40.28N–.05 75.76E–.03 10 101 1-5
SOME X 14 11 10 22.9 40.10N 75.87E 0 ¶601835727
KRNET X 14 11 10 27.5–.10 40.27N 75.65E 16 3.5b
NNC X 14 11 10 27.7–2.8 40.24N 75.79E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=10.1km az=140.0.
ISC X 14 16 30 07.9–1.1 40.80N–.02 74.07E–.02 2–7 4.0b,3.4s 237 1-85
BJI X 14 16 30 06.7 40.93N 73.91E 6 4.6b,4.4L ¶601833396
KRNET X 14 16 30 07.8–.10 40.85N 74.11E 15 4.8b,4.4L
NNC X 14 16 30 07.7–.98 40.79N 74.13E 0 4.8b,4.5
IDC X 14 16 30 07.5–.76 40.74N 74.13E 0 4.0,3.8
SOME X 14 16 30 08.5 40.88N 74.17E 0 4.0,3.8
NEIC X 14 16 30 09.4–3.9 40.78N 74.06E 11–24 4.3b,3.8
KNET X 14 16 30 09.4–.49 40.99N 74.19E 0 4.2L,3.8
MOS X 14 16 30 09.6–1.0 40.78N 74.09E 26 4.3b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=4.8km az=108.0.
IDC Error ellipse: s-maj=13.0km s-min=11.8km az=170.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.0km az=185.0.
KNET Error ellipse: s-maj=2.7km s-min=2.5km az=152.0.
MOS Event type fe. Error ellipse: s-maj=8.2km s-min=5.8km az=79.0. Felt (IV) at Sary-Bulak. Moment Tensor Solution.
ISC X 17 01 58 58.8–1.3 40.41N–.06 77.31E–.03 10 94 1-9
SOME X 17 01 58 58.0 40.33N 77.12E 5 ¶601838783
KRNET X 17 01 58 58.7–.10 40.39N 77.12E 3.1b
NNC X 17 01 58 59.1–3.6 40.42N 77.24E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.5km s-min=14.8km az=143.0.
ISC X 17 11 45 53.5–1.9 40.09N–.06 75.87E–.05 4–14 69 1-5
KRNET X 17 11 45 51.1–.10 39.94N 75.91E 3.2b ¶601838823
SOME X 17 11 45 52.6 39.92N 75.87E 15 3.2b
NNC X 17 11 45 53.2–3.4 40.08N 75.89E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.7km s-min=12.7km az=142.0.
ISC X 17 17 04 27.4–1.4 40.54N–.06 77.15E–.04 10 71 1-6
SOME X 17 17 04 23.6 40.48N 77.33E 5 ¶601839432
KRNET X 17 17 04 25.8–.10 40.61N 77.20E 3.0b
NNC X 17 17 04 28.7–6.2 40.70N 77.37E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.5km s-min=25.4km az=170.0.
ISC X 23 04 19 23.0–1.8 40.53N–.06 76.76E–.04 3–13 52 1-4
SOME X 23 04 19 24.9 40.62N 76.83E 10 ¶601846799
KRNET X 23 04 19 24.2–.10 40.56N 76.83E 14 2.6b
ISC Event type ke.
ISC X 24 05 46 30.3–1.1 41.93N–.03 76.67E–.02 10–9 78 0-5
SOME X 24 05 46 29.8 41.92N 76.70E 10 ¶601876296
KRNET X 24 05 46 30.5–.10 41.89N 76.64E 16 2.5b
NNC X 24 05 46 30.5–1.8 41.95N 76.70E 0 3.0b,2.8
KNET X 24 05 46 32.8–1.0 42.06N 76.65E 12–4 2.2L,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=6.2km az=158.0.
KNET Error ellipse: s-maj=10.9km s-min=4.9km az=55.0.
ISC X 26 13 21 32.5–1.4 40.79N–.04 76.82E–.03 3–12 96 1-6
SOME X 26 13 21 34.2 40.82N 76.95E 10 ¶601860391
KRNET X 26 13 21 36.5–.10 40.98N 76.83E 12 3.1b
NNC X 26 13 21 38.5–1.3 40.94N 76.80E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=8.4km az=137.0.
ISC X 30 01 10 23.6–1.3 40.92N–.04 74.07E–.02 1–11 101 1-6
SOME X 30 01 10 23.6 40.93N 74.13E 0 ¶601890464
KRNET X 30 01 10 23.5–.10 40.89N 74.10E 18 3.6b
NNC X 30 01 10 24.3–1.7 40.92N 74.08E 0 3.7b,3.4
KNET X 30 01 10 26.8–.53 41.07N 74.26E 1–2 2.9L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=7.6km az=170.0.
KNET Error ellipse: s-maj=4.1km s-min=2.3km az=13.0.
ISC X 31 16 05 44.3–2.0 41.56N–.06 78.72E–.04 2–12 66 1-6
SOME X 31 16 05 42.3 41.43N 78.80E 20 ¶601869725
KRNET X 31 16 05 43.7–.10 41.53N 78.71E 16 2.6b
NNC X 31 16 05 45.9–2.7 41.72N 78.94E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.3km s-min=13.2km az=162.0.
ISC XI 01 12 21 26.3–2.3 40.60N–.09 77.99E–.04 12–16 68 2-6
SOME XI 01 12 21 28.6 40.72N 77.98E 0 ¶601869805
KRNET XI 01 12 21 29.5–.10 40.64N 78.17E 3.3b
NNC XI 01 12 21 32.8–2.9 40.72N 77.79E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=21.0km az=31.0.
ISC XI 02 11 17 59.4–2.1 40.61N–.09 77.33E–.06 10 46 1-3
SOME XI 02 11 17 56.0 40.52N 77.45E 0 ¶602583992
KRNET XI 02 11 18 01.3–.10 40.75N 77.18E 16 2.5b
ISC Event type ke.
ISC XI 03 18 06 13.8–1.9 40.72N–.09 77.75E–.04 5–11 92 1-7
KRNET XI 03 18 06 17.5–.10 40.96N 77.81E 30 3.2b ¶601875148
SOME XI 03 18 06 18.3 41.00N 77.78E 10 3.2b
NNC XI 03 18 06 23.4–2.0 41.13N 77.61E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=14.3km az=107.0.
ISC XI 04 05 26 59.3–1.4 41.36N–.05 76.67E–.03 18–7 81 1-5
SOME XI 04 05 26 59.9 41.47N 76.77E 5 ¶601909742
NNC XI 04 05 26 59.5–14 41.24N 76.71E 18–68 3.1b,2.6
KRNET XI 04 05 27 00.1–.10 41.46N 76.75E 15 2.6b,2.6
KNET XI 04 05 27 05.9–1.0 41.58N 76.34E 0 1.9L,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=129.1km s-min=81.1km az=177.0.
KNET Error ellipse: s-maj=8.7km s-min=2.4km az=110.0.
ISC XI 19 15 28 34.3–1.1 40.89N–.02 74.21E–.02 0–8 3.7b 169 1-85
SOME XI 19 15 28 33.7 40.72N 74.22E 5 3.3s ¶601992961
IDC XI 19 15 28 33.7–.86 40.78N 74.03E 0 3.8,3.7
NNC XI 19 15 28 35.5–.50 40.83N 74.11E 0 4.4b,4.2
KRNET XI 19 15 28 35.6–.10 40.86N 74.14E 14 4.4b,4.2
MOS XI 19 15 28 36.9–1.3 40.74N 73.93E 27 4.0b,4.2
BJI XI 19 15 28 36.2 40.94N 74.08E 11 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=11.7km az=116.0.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=3.0km az=109.0.
MOS Error ellipse: s-maj=12.9km s-min=6.5km az=86.7.
ISC XI 22 04 14 40.8–1.7 42.29N–.06 80.55E–.06 10 81 1-8
NNC XI 22 04 14 37.9–1.7 42.15N 80.68E 0 3.8b,3.4 ¶601993600
SOME XI 22 04 14 39.3 42.25N 80.55E 10 3.8b,3.4
KRNET XI 22 04 14 39.7–.10 42.33N 80.53E 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=9.6km az=103.0.
ISC XI 26 16 32 29.0–2.1 40.80N–.08 77.53E–.03 4–13 61 1-4
SOME XI 26 16 32 29.8 40.77N 77.60E 15 ¶601994602
KRNET XI 26 16 32 30.7–.10 40.83N 77.52E 9 2.7b
NNC XI 26 16 32 32.2–3.2 40.93N 77.66E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=16.7km az=173.0.
ISC XI 26 19 39 50.1–1.2 40.87N–.06 77.58E–.03 10 93 1-7
SOME XI 26 19 39 48.8 40.63N 77.60E 25 ¶601994640
KRNET XI 26 19 39 49.2–.10 40.84N 77.54E 19 3.3b
NNC XI 26 19 39 51.4–1.2 40.93N 77.71E 0 3.7b,3.3
ISCJB XI 26 19 39 53.4–.78 40.74N–.04 77.37E–.04 10 3.7b,3.3
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XI 28 05 30 08.5–.66 41.75N–.02 77.69E–.02 17–4 4.7b,3.6s 444 1-156
IDC XI 28 05 30 05.4–.45 41.66N 77.76E 0 4.5,4.3 ¶601994967
MOS XI 28 05 30 06.9–1.2 41.72N 77.86E 17 4.9b,4.3
ISCJB XI 28 05 30 07.9–.56 41.66N–.01 77.87E–.02 27–4 4.6b,3.6s
KRNET XI 28 05 30 07.5–.10 41.77N 77.77E 22 4.9b,3.6s
NNC XI 28 05 30 08.1–.62 41.80N 77.73E 0 5.0b,4.7
NEIC XI 28 05 30 08.1–1.1 41.71N 77.79E 15–6 4.7b,4.7
SOME XI 28 05 30 09.1 41.90N 77.70E 15 4.7b,4.7
BJI XI 28 05 30 09.1 41.82N 77.77E 32 4.5b,4.5L
KNET XI 28 05 30 09.2–1.1 41.86N 77.60E 1–2 4.8L,4.5L
ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=9.1km az=10.0.
MOS Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=131.8. Felt (II-III) at Almaty. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=42.8.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=171.0. Felt at Chong-Kyzylsu. Felt [II] at Almaty, Kazakhstan.
KNET Error ellipse: s-maj=8.6km s-min=4.8km az=27.0.
ISC XI 29 17 17 04.3–2.3 41.20N–.08 77.32E–.06 6–12 28 1-3
SOME XI 29 17 17 07.2 41.38N 77.45E 0 ¶602588610
KRNET XI 29 17 17 09.6–.10 41.38N 77.17E 18 2.8b
ISC Event type ke.
ISC XI 29 18 18 47.4–1.1 40.96N–.02 74.79E–.02 8–7 3.6b,3.1s 166 1-92
IDC XI 29 18 18 44.7–.89 40.80N 74.65E 0 3.7,3.6 ¶601995264
KRNET XI 29 18 18 45.7–.10 40.90N 74.85E 16 4.1b,3.6
SOME XI 29 18 18 45.3 40.92N 74.92E 0 3.2s,3.6
NNC XI 29 18 18 46.3–.43 40.84N 74.90E 0 4.2b,4.1
BJI XI 29 18 18 47.8 40.99N 74.77E 8 4.2b,3.9L
KNET XI 29 18 18 47.5–.28 41.02N 74.83E 0 3.9L,3.9L
MOS XI 29 18 18 48.0–1.7 40.86N 74.68E 29 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=11.4km az=115.0.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=1.8km az=126.0.
KNET Error ellipse: s-maj=2.3km s-min=1.9km az=138.0.
MOS Error ellipse: s-maj=11.3km s-min=5.9km az=93.5.
ISC XI 29 20 02 44.7–.85 40.92N–.03 74.87E–.02 10 106 1-10
SOME XI 29 20 02 44.0 40.85N 74.88E 5 ¶602037303
KRNET XI 29 20 02 44.4–.10 40.90N 74.89E 16 3.2b
KNET XI 29 20 02 45.8–.46 41.00N 74.85E 0 2.8L
NNC XI 29 20 02 45.7–.76 40.86N 74.82E 0 3.6b,3.3
ISCJB XI 29 20 02 49.4–.51 40.93N–.03 74.61E–.04 10 3.6b,3.3
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 01 13 41 14.7–1.4 41.83N–.04 77.30E–.02 1–10 78 0-4
SOME XII 01 13 41 14.0 41.83N 77.42E 5 ¶602588640
KRNET XII 01 13 41 14.5–.10 41.77N 77.31E 18 2.7b
KNET XII 01 13 41 18.4–.54 41.91N 77.08E 0 2.1L
ISC Event type ke.
KNET Error ellipse: s-maj=6.6km s-min=4.3km az=13.0.
ISC XII 05 09 16 22.5–2.0 40.34N–.09 77.10E–.04 10 48 1-4
KRNET XII 05 09 16 18.6–.10 40.18N 77.20E 2.8b ¶602005933
SOME XII 05 09 16 19.4 40.28N 77.35E 5 2.8b
ISC Event type ke.
ISC XII 07 17 42 09.7–1.0 40.29N–.04 74.38E–.03 10 83 1-5
SOME XII 07 17 42 09.4 40.42N 74.45E 0 ¶602033055
NNC XII 07 17 42 10.8–1.5 40.38N 74.49E 0 3.6b,3.2
KRNET XII 07 17 42 10.1–.10 40.41N 74.49E 14 3.2b,3.2
ISCJB XII 07 17 42 12.6–.72 40.35N–.04 74.46E–.05 10 3.2b,3.2
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 08 02 50 37.5–3.2 40.74N–.10 77.40E–.04 6–19 46 1-3
SOME XII 08 02 50 32.4 40.50N 77.65E 15 ¶602033137
KRNET XII 08 02 50 37.8–.10 40.73N 77.44E 17 2.5b
ISC Event type ke.
ISC XII 09 05 58 15.5–1.7 41.63N–.07 79.25E–.05 10 36 1-3
SOME XII 09 05 58 14.2 41.57N 79.28E 10 ¶602588772
KRNET XII 09 05 58 15.4–.10 41.60N 79.22E 17 2.6b
ISC Event type ke.
ISC XII 11 18 27 32.2–1.2 41.93N–.03 76.69E–.02 5–10 73 0-5
SOME XII 11 18 27 31.3 41.92N 76.72E 5 ¶602058072
KRNET XII 11 18 27 31.6–.10 41.89N 76.71E 20 2.2b
NNC XII 11 18 27 31.8–.99 41.91N 76.73E 0 2.9,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=146.0.
ISC XII 13 05 05 22.2–2.4 40.59N–.09 77.49E–.04 5–15 54 1-6

NNC XII 13 05 05 11.4–2.7 39.68N 77.60E 0 3.5b,3.1 ¶602043309
SOME XII 13 05 05 21.2 40.55N 77.57E 10 3.5b,3.1
KRNET XII 13 05 05 23.8–.10 40.63N 77.45E 18 2.9b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=13.2km az=171.0.
ISC XII 16 08 02 06.5–.75 40.82N–.02 74.07E–.02 10 95 1-10
KRNET XII 16 08 02 07.4–.10 40.84N 74.11E 16 3.9b ¶602064864
SOME XII 16 08 02 07.9 40.83N 74.13E 10 3.9b
NNC XII 16 08 02 07.9–.43 40.83N 74.02E 0 4.3b,3.9
ISCJB XII 16 08 02 09.0–.42 40.79N–.03 74.12E–.03 10 4.3b,3.9
KNET XII 16 08 02 09.5–.53 40.99N 74.17E 0 3.4L,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=2.3km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=137.6.
KNET Error ellipse: s-maj=4.1km s-min=3.1km az=28.0.
ISC XII 16 10 29 32.6–.60 40.02N–.03 77.84E–.02 13–3 4.8b,4.1s 588 2-149
SOME XII 16 10 29 23.4 39.83N 78.05E 0 4.5s,4.1s ¶602043808
IDC XII 16 10 29 30.1–.45 39.96N 77.84E 0 4.6,4.5
BJI XII 16 10 29 30.7 40.04N 77.91E 7 5.0b,4.8L
ISCJB XII 16 10 29 31.9–.72 39.93N–.01 77.89E–.02 15–4 4.8b,4.1s
KRNET XII 16 10 29 32.8–.10 40.03N 77.85E 5.2b,4.1s
MOS XII 16 10 29 32.3–1.2 40.00N 77.90E 23 4.8b,4.1s
NEIC XII 16 10 29 35.0–1.2 40.01N 77.86E 29–8 4.9b,4.1s
NNC XII 16 10 29 34.7–1.6 40.15N 77.74E 0 5.0b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=10.9km s-min=9.0km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.0km az=43.4.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=114.5.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=200.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=9.7km az=144.0.
ISC XII 16 18 17 26.2–1.4 40.18N–.04 77.84E–.03 7–9 3.7b 131 2-82
SOME XII 16 18 17 16.4 39.85N 78.00E 0 3.7b ¶602043823
IDC XII 16 18 17 23.1–.85 39.89N 77.76E 0 3.8,3.7b
BJI XII 16 18 17 24.5 40.08N 77.85E 10 3.8b,3.7L
MOS XII 16 18 17 25.3–2.0 39.90N 77.88E 22 4.2b,3.7L
KRNET XII 16 18 17 27.7–.10 40.22N 77.77E 3.9b,3.7L
NNC XII 16 18 17 28.5–1.4 40.17N 77.68E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=14.6km az=60.0.
MOS Error ellipse: s-maj=13.4km s-min=7.2km az=90.7.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=6.8km az=140.0.
ISC XII 17 00 07 16.0–1.5 40.26N–.06 76.63E–.04 10 50 1-5
SOME XII 17 00 07 06.6 39.92N 76.98E 15 ¶602051731
KRNET XII 17 00 07 15.4–.10 40.27N 76.62E 3.2b
NNC XII 17 00 07 16.3–2.1 40.25N 76.59E 0 3.5b,3.2
ISCJB XII 17 00 07 17.3–1.0 40.20N–.05 76.70E–.06 10 3.5b,3.2
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
KRNET XII 17 20 47 16.3–.10 40.43N 74.22E 17 2.1b
¶604824503
SOME XII 17 20 47 21.2 42.50N 80.62E 0
¶605529654
ISC XII 18 02 13 54.7–3.0 40.6N–.10 77.42E–.05 4–18 40 1-4
SOME XII 18 02 13 54.9 40.65N 77.65E 5 ¶602052499
KRNET XII 18 02 13 55.2–.10 40.61N 77.45E 16 2.5b
NNC XII 18 02 14 00.8–4.4 45.45N 76.33E 0 3.1b,2.7
ISC Event type ke.
NNC Error ellipse: s-maj=37.1km s-min=17.8km az=166.0.
ISC XII 23 13 33 27.8–1.1 41.97N–.03 76.58E–.02 2–10 70 0-6
SOME XII 23 13 33 27.8 41.85N 76.60E 15 2.8s ¶602056887
BJI XII 23 13 33 27.2 42.06N 76.29E 5 3.6L
KRNET XII 23 13 33 28.2–.10 41.88N 76.56E 14 3.7b
NNC XII 23 13 33 29.8–.85 41.99N 76.64E 0 4.0b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=4.6km az=112.0.
ISC XII 30 02 31 14.0–1.4 41.78N–.06 79.55E–.04 10 82 1-9
SOME XII 30 02 31 12.1 41.82N 79.57E 0 ¶602069049
ISCJB XII 30 02 31 13.5–.78 41.65N–.04 79.75E–.04 10
KRNET XII 30 02 31 13.0–.10 41.79N 79.62E 19 3.4b
NNC XII 30 02 31 15.4–.93 41.88N 79.56E 0 3.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.6km az=147.7.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=3.7km az=132.0.
ISC XII 31 00 10 58.8–1.8 41.01N–.08 78.71E–.05 10 62 1-6
SOME XII 31 00 10 56.3 40.97N 78.85E 10 ¶602589121
KRNET XII 31 00 10 57.4–.10 40.97N 78.74E 2.6b
NNC XII 31 00 10 59.6–1.7 45.59N 78.44E 0 3.4b,3.0
ISC Event type ke.
NNC Error ellipse: s-maj=13.6km s-min=9.7km az=177.0.
ISC XII 31 08 01 49.5–2.7 41.1N–.10 78.6E–.10 10 22 2-3
SOME XII 31 08 01 44.9 40.75N 78.12E 10 ¶602589131
KRNET XII 31 08 01 47.7–.10 41.66N 79.17E 2.5b
ISC Event type ke.
ISC XII 31 19 28 13.3–1.3 40.25N–.06 77.11E–.04 10 88 1-11
SOME XII 31 19 28 12.6 40.38N 77.10E 5 ¶602083843
KRNET XII 31 19 28 14.1–.10 40.44N 77.05E 16 3.2b
NNC XII 31 19 28 15.7–1.0 40.46N 77.10E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.9km s-min=5.2km az=143.0.

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ISC VII 02 05 57 53.9–2.6 39.1N–.10 77.55E–.08 16 17 3-9
KRNET VII 02 05 57 51.2–.10 39.02N 77.64E 2.6b ¶604822507
ISCJB VII 02 05 57 52.5–1.3 39.12N–.07 77.57E–.07 16 2.6b
ISC Event type ke.
ISCJB Event type se.
ISC VII 02 10 58 38.9–1.3 38.9N–.10 79.10E–.06 10 18 2-78
IDC VII 02 10 58 36.6–3.3 39.07N 78.80E 0 4.4L,3.9 ¶601235593
ISCJB VII 02 10 58 37.4–1.1 38.98N–.08 79.2E–.10 10 3.4b,3.9
BJI VII 02 10 58 38.0 38.99N 79.13E 5 3.9b,3.8L
NNC VII 02 10 58 39.6–4.6 39.08N 79.09E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=66.4km s-min=47.1km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=11.1km az=12.3.
NNC Event type se. Error ellipse: s-maj=39.1km s-min=19.8km az=142.0.
ISC VII 03 13 37 26.0–1.3 39.66N–.04 74.39E–.02 0–9 4.0b 105 1-123
IDC VII 03 13 37 25.5–.82 39.47N 74.19E 0 4.1,4.0 ¶601237313
BJI VII 03 13 37 25.9 39.68N 74.14E 7 3.7L,4.0
SOME VII 03 13 37 27.5 39.57N 74.30E 10 3.7L,4.0
NNC VII 03 13 37 28.4–1.3 39.62N 74.20E 0 4.4b,4.0
KRNET VII 03 13 37 30.3–.10 39.76N 74.19E 8 4.1b,4.0
NEIC VII 03 13 37 34.2–1.2 39.66N 74.20E 63–12 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.8km az=93.0.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=4.6km az=13.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.4km az=85.0.
ISC VII 05 20 46 25.6–1.4 41.68N–.04 80.20E–.04 13–9 3.6b 95 2-82
IDC VII 05 20 46 23.2–.97 41.61N 80.16E 0 3.8,3.7 ¶601243222
SOME VII 05 20 46 25.1 41.72N 80.03E 0 3.8,3.7
BJI VII 05 20 46 25.5 41.72N 80.07E 5 3.6L,3.7
KRNET VII 05 20 46 26.1–.10 41.82N 80.39E 3.8b,3.7
NNC VII 05 20 46 27.3–1.5 41.81N 80.25E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=14.0km az=46.0.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=7.3km az=126.0.
IDC VII 06 13 47 47.3–5.0 36.72N 82.51E 0 3.5,3.5
¶601663542
IDC Error ellipse: s-maj=67.5km s-min=40.4km az=54.0.
ISC VII 06 21 46 14.0–2.6 38.5N–.20 76.78E–.07 10 14 1-10
NNC VII 06 21 46 11.4–4.1 38.33N 76.89E 0 4.0b,3.6 ¶601243861
BJI VII 06 21 46 18.4 38.84N 77.02E 7 3.5L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.4km s-min=19.7km az=173.0.
ISC VII 08 13 26 11.3–3.5 41.5N–.10 83.3E–.10 10 20 3-5
NNC VII 08 13 25 48.6–8.0 40.64N 83.47E 0 3.1b,2.8 ¶601255451
SOME VII 08 13 26 11.8 41.42N 83.20E 10 3.1b,2.8
ISC Event type ke.
NNC Error ellipse: s-maj=51.0km s-min=32.7km az=0.0.
ISC VII 08 17 47 27.7–2.2 41.97N–.08 80.89E–.06 3–10 56 2-8
SOME VII 08 17 47 26.7 41.82N 80.75E 5 ¶601261095
NNC VII 08 17 47 27.4–1.3 41.91N 81.00E 20–5 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=4.5km az=149.0.
NNC VII 09 15 45 15.1–5.9 39.09N 75.68E 0 3.6b,3.1
¶601261255
NNC Event type se. Error ellipse: s-maj=53.7km s-min=43.0km az=31.0.
ISC VII 12 03 04 34.5–.99 39.50N–.04 76.98E–.04 10 87 1-9
SOME VII 12 03 04 30.1 39.35N 77.08E 15 ¶601266302
KRNET VII 12 03 04 33.8–.10 39.35N 76.88E 3.9b
BJI VII 12 03 04 33.0 39.42N 77.28E 7 3.7L
NNC VII 12 03 04 43.8–4.5 39.81N 76.85E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.5km s-min=18.9km az=147.0.
NNC VII 12 16 29 01.6–6.3 39.05N 75.71E 0 3.4b,2.9
¶601275953
NNC Event type se. Error ellipse: s-maj=59.2km s-min=43.2km az=20.0.
ISC VII 15 08 57 41.4–1.9 41.8N–.10 88.22E–.08 10 14 2-14
BJI VII 15 08 57 36.4 41.69N 88.63E 7 3.8L,3.1 ¶601276369
ISCJB VII 15 08 57 39.2–1.2 41.89N–.07 88.16E–.08 10 3.8L,3.1
IDC VII 15 08 57 40.1–5.7 41.95N 88.35E 0 3.7,3.7
NNC VII 15 08 57 40.5–2.2 42.03N 88.26E 0 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=9.0km az=160.9.
IDC Error ellipse: s-maj=67.1km s-min=27.0km az=11.0.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=13.5km az=107.0.
ISC VII 18 02 24 37.8–2.3 41.43N–.09 81.69E–.07 17 37 2-5
SOME VII 18 02 24 35.2 41.32N 81.68E 0 ¶601451866
NNC VII 18 02 24 38.8–2.7 41.33N 81.55E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.1km s-min=13.9km az=150.0.
ISC VII 22 00 29 20.7–1.9 39.47N–.09 76.59E–.05 10 40 2-6
NNC VII 22 00 29 19.3–1.4 39.37N 76.67E 3–9 3.5b,3.1 ¶601465805
SOME VII 22 00 29 20.8 39.42N 76.73E 5 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=134.0.
ISC VII 22 06 02 11.2–4.1 41.9N–.20 83.4E–.10 10 11 3-5
SOME VII 22 06 02 15.2 42.12N 83.27E 5 ¶601465832
NNC VII 22 06 02 19.4–4.5 42.23N 82.99E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.1km s-min=18.6km az=152.0.
ISC VII 22 09 02 20.6–4.6 36.7N–.30 82.6E–.30 35 6 8-21
IDC VII 22 09 02 16.7–6.4 36.65N 82.77E 0 3.6,3.6 ¶601457912
BJI VII 22 09 02 20.0 36.89N 82.75E 13 3.8b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=88.9km s-min=40.4km az=55.0.
ISC VII 25 12 57 02.5–1.7 41.82N–.05 81.68E–.04 3–10 3.9b 78 2-92
IDC VII 25 12 56 59.9–.86 41.67N 81.90E 0 4.0,3.9 ¶601472493
SOME VII 25 12 57 02.1 41.80N 81.78E 10 4.0,3.9
BJI VII 25 12 57 03.9 41.84N 81.68E 11 3.8L,3.9
NNC VII 25 12 57 05.1–4.0 41.91N 81.67E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=14.9km az=68.0.
NNC Event type se. Error ellipse: s-maj=33.3km s-min=21.0km az=146.0.
ISC VII 25 14 03 37.0–2.3 41.88N–.10 81.63E–.08 10 21 2-5
SOME VII 25 14 03 35.9 41.88N 81.63E 0 ¶601476122
NNC VII 25 14 03 36.2–2.8 41.76N 81.79E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.4km s-min=17.9km az=170.0.
ISC VII 26 03 56 48.0–3.3 42.0N–.10 81.76E–.09 2–20 24 2-5
SOME VII 26 03 56 49.9 41.87N 81.58E 0 ¶601483858
NNC VII 26 03 56 50.2–3.4 41.90N 81.89E 0 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=16.6km az=174.0.
ISC VII 26 09 50 31.5–.88 39.86N–.06 75.25E–.03 10 3.7b 59 1-81
IDC VII 26 09 50 31.0–1.3 39.72N 74.99E 0 3.7b,3.6 ¶601476133
SOME VII 26 09 50 34.0 39.85N 75.27E 0 3.7b,3.6
NNC VII 26 09 50 34.1–2.5 40.06N 75.34E 30–19 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=14.6km az=99.0.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=10.5km az=142.0.
ISC VII 26 10 13 53.6–2.4 41.94N–.10 81.52E–.08 10 28 2-5
SOME VII 26 10 13 52.2 42.00N 81.68E 0 ¶601483927
NNC VII 26 10 13 54.3–1.7 42.01N 81.65E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.9km s-min=11.5km az=177.0.
ISC VII 28 06 12 07.5–2.2 39.3N–.10 74.25E–.04 10 39 1-6
KRNET VII 28 06 12 05.9–.10 39.09N 73.44E 3.1b ¶601485489
NNC VII 28 06 12 05.8–1.6 39.20N 74.11E 0 3.4b,3.1
SOME VII 28 06 12 11.8 39.52N 73.93E 25 3.4b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=42.0.
ISC VII 28 12 56 49.9–1.0 39.57N–.08 88.28E–.08 10 3.7b 22 4-76
ISCJB VII 28 12 56 48.5–.73 39.72N–.07 88.26E–.08 10 3.6b,3.3s ¶601485540
BJI VII 28 12 56 49.5 39.57N 88.29E 8 3.9b,3.8L
IDC VII 28 12 56 49.0–1.1 39.68N 88.44E 0 3.8,3.7
NNC VII 28 12 56 50.4–3.9 39.65N 88.39E 22–39 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=37.4.
IDC Error ellipse: s-maj=34.7km s-min=16.5km az=51.0.
NNC Event type se. Error ellipse: s-maj=41.6km s-min=27.3km az=143.0.
ISC VIII 01 07 44 59.0–.54 39.63N–.06 88.23E–.05 10 3.8b 68 4-79
SOME VIII 01 07 44 51.7 38.45N 84.80E 5 3.8b ¶601498072
ISCJB VIII 01 07 44 56.7–.35 39.73N–.04 88.29E–.04 10 3.8b,3.6s
IDC VIII 01 07 44 57.0–.71 39.62N 88.35E 0 4.0,3.9
NNC VIII 01 07 44 58.4–2.0 39.75N 88.38E 8–11 4.2b,4.0
BJI VIII 01 07 44 58.3 39.58N 88.30E 6 3.9b,3.9L
NEIC VIII 01 07 44 58.3–.33 39.66N 88.35E 10 4.4b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=38.1.
IDC Error ellipse: s-maj=30.6km s-min=13.5km az=48.0.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=13.5km az=101.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.0km az=59.0.
ISC VIII 01 09 52 18.3–.52 39.78N–.02 75.52E–.02 19–1 4.9b,4.6s 527 0-154
CNRM VIII 01 09 52 05.5 38.96N 78.02E 15 5.4L,4.6s ¶601498298
SOME VIII 01 09 52 17.0 39.67N 75.58E 10 4.8s,4.6s
KRNET VIII 01 09 52 17.3–.10 39.56N 75.50E 5.5b,4.6s
ISCJB VIII 01 09 52 18.1–.14 39.50N–.02 75.52E–.02 33 4.8b,4.5s
MOS VIII 01 09 52 18.8–1.0 39.79N 75.56E 33 5.1b,4.6s
NNC VIII 01 09 52 18.9–1.2 39.78N 75.46E 1–6 5.3b,5.1
BJI VIII 01 09 52 19.4 39.73N 75.50E 32 5.0b,5.0L
IDC VIII 01 09 52 20.6–1.5 39.67N 75.54E 39–13 4.6,4.5
GCMT VIII 01 09 52 20.4–.20 39.63N–.02 75.56E–.02 29–1 5.0W,4.5
NEIC VIII 01 09 52 22.4–.47 39.77N 75.56E 52–4 5.0b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=147.5.
MOS Error ellipse: s-maj=5.9km s-min=4.0km az=120.6.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=2.8km az=162.0.
IDC Error ellipse: s-maj=10.6km s-min=8.0km az=6.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c54; s92,c131;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.19±.15 $M_{\theta\theta}$-2.17±.10; $M_{\phi\phi}$-0.02±.11; $M_{r\theta}$3.00±.19; $M_{\theta\phi}$-1.52±.07; $M_{\phi r}$0.81±.15; Best double couple: NP1:ϕ_s74.00000°,δ71.00000°,λ100.00000°.

NP2:ϕ_s226.00000°,δ22.00000°,λ65.00000°. Principal axes: T 3.7190,Plg63.0000°,Azm359.0000°; N 0.6590,Plg9.0000°,Azm250.0000°; P -4.3800,Plg25.0000°,Azm156.0000° $M_0$4.05000×10^{16}

NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.3km az=186.0.

ISC	**VIII**	**01 10 14 20.3–1.3**	**39.59N–.05**	**75.22E–.03**	**13–8**	**3.6b**	**105**	**1-81**
IDC	VIII	01 10 14 16.6–.91	39.46N	75.29E	0	3.7,3.7b		**¶601503278**
SOME	VIII	01 10 14 20.6	39.65N	75.55E	15	3.7,3.7b		
KRNET	VIII	01 10 14 22.6–.10	39.81N	75.36E		4.1b,3.7b		
NNC	VIII	01 10 14 22.8–.92	39.78N	75.39E	0	4.1b,3.8		
BJI	VIII	01 10 14 22.9	39.70N	75.45E	6	3.8L,3.8		

ISC Event type se.

IDC Error ellipse: s-maj=17.9km s-min=14.5km az=73.0.

NNC Event type se. Error ellipse: s-maj=9.0km s-min=3.1km az=160.0.

ISC	**VIII**	**03 07 53 06.7–2.4**	**39.75N–.06**	**75.37E–.04**	**2–17**		**91**	**1-5**
SOME	VIII	03 07 53 03.5	39.83N	75.40E	0			**¶601520131**
KRNET	VIII	03 07 53 05.9–.10	39.83N	75.35E		3.7b		
NNC	VIII	03 07 53 07.7–1.4	39.87N	75.31E	0	3.8b,3.5		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=13.1km s-min=4.7km az=156.0.

ISC	**VIII**	**06 02 45 42.7–2.7**	**41.78N–.09**	**80.38E–.07**	**9–12**		**30**	**2-5**
SOME	VIII	06 02 45 44.1	41.78N	80.47E	15			**¶601531776**
KRNET	VIII	06 02 45 47.1–.10	41.99N	80.38E		2.6b		

ISC Event type ke.

ISC	**VIII**	**07 09 43 24.0–.55**	**39.38N–.03**	**77.34E–.03**	**14–3**	**4.4b,3.5s**	**304**	**1-83**
KRNET	VIII	07 09 43 17.6–.10	39.04N	77.47E		5.0b,3.5s		**¶601529215**
ISCJB	VIII	07 09 43 21.1–.88	39.26N–.02	77.38E–.03	2–5	4.3b,3.6s		
IDC	VIII	07 09 43 22.0–.55	39.37N	77.25E	0	4.3,4.3b		
NEIC	VIII	07 09 43 23.5–.29	39.37N	77.29E	10	4.6b,4.4W		
SOME	VIII	07 09 43 23.0	39.53N	77.13E	0	4.3s,4.4W		
MOS	VIII	07 09 43 24.0–1.4	39.42N	77.32E	23	4.7b,4.4W		
BJI	VIII	07 09 43 25.0	39.45N	77.40E	12	4.6b,4.5L		
NNC	VIII	07 09 43 27.1–1.6	39.65N	77.17E	0	4.9b,4.5		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.7km az=149.4.

IDC Error ellipse: s-maj=12.0km s-min=10.9km az=32.0.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=174.0. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}4.26 $M_{\theta\theta}$-3.94 $M_{\phi\phi}$-0.33 $M_{r\theta}$-1.53 $M_{\theta\phi}$0.31 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s90.00000°,δ35.00000°,λ82.00000°. NP2:ϕ_s280.00000°,δ56.00000°,λ95.00000°. Principal axes: T 4.5900,Plg79.0000°,Azm209.0000°; N -0.3300,Plg4.0000°,Azm97.0000°; P -4.2500,Plg10.0000°,Azm6.0000° $M_0$4.40000×10^{15}

MOS Error ellipse: s-maj=7.9km s-min=4.6km az=99.5.

NNC Event type se. Error ellipse: s-maj=13.8km s-min=7.7km az=158.0.

NNC	**VIII**	**07 09 54 21.3–4.3**	**39.51N**	**77.19E**	**0**	**3.5b,3.1**		
								¶601534130

NNC Event type se. Error ellipse: s-maj=34.7km s-min=16.1km az=145.0.

ISC	**VIII**	**07 13 58 13.5–1.4**	**36.89N–.10**	**79.60E–.08**	**16**		**22**	**4-25**
IDC	VIII	07 13 58 11.9–2.1	37.01N	79.56E	0	3.4,3.3		**¶601534163**
ISCJB	VIII	07 13 58 12.9–1.1	37.03N–.06	79.8E–.10	16	3.2b,3.3		
BJI	VIII	07 13 58 13.5	36.87N	79.27E	7	3.7L,3.3		
NNC	VIII	07 13 58 15.7–2.9	37.15N	79.34E	1–10	3.8b,3.5		

ISC Event type se.

IDC Error ellipse: s-maj=50.4km s-min=18.3km az=61.0.

ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=9.1km az=172.7.

NNC Event type se. Error ellipse: s-maj=20.3km s-min=11.7km az=161.0.

ISC	**VIII**	**08 09 02 21.9–1.9**	**37.6N–.10**	**81.94E–.09**	**10**	**3.0s**	**15**	**5-49**
BJI	VIII	08 09 02 06.5	36.17N	81.39E	6	4.4b,4.2L		**¶601534257**
NNC	VIII	08 09 02 07.4–1.9	36.31N	81.74E	0	4.5b,4.2		
IDC	VIII	08 09 02 18.2–3.0	37.29N	81.95E	0	3.8,3.8		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=16.2km s-min=13.7km az=133.0.

IDC Error ellipse: s-maj=40.9km s-min=28.9km az=6.0.

ISC	**VIII**	**09 04 20 58.6–2.2**	**39.6N–.10**	**77.04E–.08**	**25**		**24**	**3-5**
SOME	VIII	09 04 20 58.6	39.88N	76.68E	10			**¶601551043**
KRNET	VIII	09 04 20 58.3–.10	39.76N	76.70E		2.6b		

ISC Event type ke.

NNC	**VIII**	**09 21 36 50.1–9.1**	**39.33N**	**75.51E**	**0**	**3.6b,3.3**		
								¶601553813

NNC Event type se. Error ellipse: s-maj=80.7km s-min=53.3km az=5.0.

ISC	**VIII**	**11 09 34 22.4–.46**	**40.03N–.02**	**78.10E–.02**	**19–1**	**5.3b,5.2s**	**1189**	**2-149**
IDC	VIII	11 09 34 19.0–.36	39.92N	78.21E	0	5.0,4.9		**¶601551772**
BJI	VIII	11 09 34 20.6	39.99N	78.18E	16	5.4L,5.3b		
KRNET	VIII	11 09 34 20.5–.10	39.91N	78.67E		5.8b,5.3b		
SOME	VIII	11 09 34 20.8	39.98N	78.20E	10	5.4s,5.3b		
MOS	VIII	11 09 34 21.2–.97	39.96N	78.22E	23	5.4b,5.2s		
GCMT	VIII	11 09 34 21.8–.10	39.96N–.01	78.15E–.01	12	5.3W,5.2s		
ISCJB	VIII	11 09 34 21.1–.65	39.97N–.02	78.16E–.02	21–4	5.1b,5.1s		
NEIC	VIII	11 09 34 22.8–.93	39.96N	78.15E	22–6	5.3b,5.1W		
NNC	VIII	11 09 34 22.4–2.5	40.00N	78.03E	0–12	5.7b,5.4		

ISC Event type se.

IDC Error ellipse: s-maj=9.7km s-min=7.5km az=5.0.

MOS Error ellipse: s-maj=4.8km s-min=3.1km az=126.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c143; s126,c269;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$-1.17±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-0.05±.04; Best double couple: NP1:ϕ_s82.00000°,δ47.00000°,λ95.00000°. NP2:ϕ_s255.00000°,δ43.00000°,λ84.00000°. Principal axes: T 1.1160,Plg86.0000°,Azm55.0000°; N 0.1100,Plg4.0000°,Azm259.0000°; P -1.2230,Plg2.0000°,Azm169.0000° $M_0$1.17000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=11.5.

NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=188.0. Moment Tensor Solution. s24 Moment tensor: Scale 10^{16}Nm; M_{rr}4.39 $M_{\theta\theta}$-5.00 $M_{\phi\phi}$0.62 $M_{r\theta}$-2.35 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.72 Best double couple: NP1:ϕ_s80.00000°,δ32.00000°,λ74.00000°. NP2:ϕ_s279.00000°,δ59.00000°,λ100.00000°. Principal axes: T 5.0500,Plg74.0000°,Azm215.0000°; N 0.5100,Plg9.0000°,Azm93.0000°; P -5.5600,Plg13.0000°,Azm1.0000° $M_0$5.30000×10^{16}

NNC Event type se. Error ellipse: s-maj=18.4km s-min=8.7km az=143.0.

ISC	**VIII**	**11 09 56 42.4–.54**	**39.98N–.04**	**78.33E–.03**	**22**	**4.0b**	**154**	**2-82**
IDC	VIII	11 09 56 37.5–.97	39.79N	78.13E	0	4.0,3.9b		**¶601554087**
KRNET	VIII	11 09 56 38.8–.10	40.02N	78.59E		4.5b,3.9b		
BJI	VIII	11 09 56 40.2	39.96N	78.12E	8	4.0b,4.0L		
MOS	VIII	11 09 56 41.6–1.6	39.89N	78.28E	33	4.2b,4.0L		
SOME	VIII	11 09 56 41.3	40.07N	78.05E	10	3.5s,4.0L		
NNC	VIII	11 09 56 43.4–1.9	40.12N	77.97E	0	4.4b,4.1		

ISC Event type se.

IDC Error ellipse: s-maj=17.9km s-min=16.4km az=163.0.

MOS Error ellipse: s-maj=10.1km s-min=6.1km az=97.3.

NNC Event type se. Error ellipse: s-maj=17.5km s-min=11.8km az=149.0.

ISC	**VIII**	**12 06 24 58.6–1.6**	**39.92N–.08**	**75.18E–.06**	**10**		**48**	**1-5**
SOME	VIII	12 06 24 56.2	39.83N	75.35E	10			**¶601556964**
KRNET	VIII	12 06 24 57.6–.10	39.92N	75.17E		2.5b		
NNC	VIII	12 06 24 58.0–2.6	39.93N	75.13E	0	3.2b,2.9		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=26.5km s-min=10.8km az=142.0.

ISC	**VIII**	**12 23 18 34.0–1.8**	**36.0N–.20**	**82.72E–.09**	**35**	**3.3b**	**11**	**6-72**
IDC	VIII	12 23 18 29.5–2.7	35.98N	82.61E	0	3.6,3.5		**¶601554148**
BJI	VIII	12 23 18 31.9	35.84N	82.50E	50	3.9b,3.7L		
ISCJB	VIII	12 23 18 33.5–1.6	36.2N–.20	82.6E–.10	33	3.5s,3.2b		

ISC Event type ke.

ISCJB Event type ke.

ISC	**VIII**	**13 04 48 58.5–.95**	**40.61N–.04**	**78.27E–.04**	**10**		**103**	**2-71**
SOME	VIII	13 04 48 55.0	40.45N	78.25E	15			**¶601554161**
BJI	VIII	13 04 48 56.9	40.45N	78.19E	9	3.6L		
IDC	VIII	13 04 48 57.0–1.9	40.54N	78.47E	0	3.6,3.6		
KRNET	VIII	13 04 48 57.2–.10	40.61N	78.18E		4.0b,3.6		
NNC	VIII	13 04 48 58.2–1.7	40.60N	78.07E	0	4.0b,3.6		

ISC Event type se.

IDC Error ellipse: s-maj=24.1km s-min=18.0km az=137.0.

NNC Event type se. Error ellipse: s-maj=14.7km s-min=9.2km az=139.0.

ISC	**VIII**	**13 16 32 18.3–1.6**	**41.80N–.05**	**81.64E–.05**	**11–11**	**3.6b**	**58**	**2-81**
IDC	VIII	13 16 32 15.8–1.4	41.74N	81.89E	0	3.7,3.7b		**¶601557025**
SOME	VIII	13 16 32 21.8	42.08N	81.88E	20	3.7,3.7b		
BJI	VIII	13 16 32 22.6	42.10N	81.74E	10	3.8L,3.7b		
NNC	VIII	13 16 32 23.8–1.6	42.21N	81.77E	0	4.0b,3.7		

ISC Event type se.

IDC Error ellipse: s-maj=23.0km s-min=19.4km az=174.0.

NNC Event type se. Error ellipse: s-maj=12.7km s-min=7.2km az=151.0.

ISC	**VIII**	**18 09 08 53.7–1.2**	**39.63N–.09**	**75.33E–.04**	**16–12**		**44**	**1-5**
KRNET	VIII	18 09 08 52.2–.10	39.71N	75.44E		3.3b		**¶601566491**
NNC	VIII	18 09 08 55.9–2.5	40.00N	75.36E	0	3.7b,3.3		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=23.4km s-min=10.2km az=151.0.

ISC	**VIII**	**29 01 05 53.2–1.3**	**41.30N–.08**	**83.61E–.04**	**10**		**53**	**3-13**
SOME	VIII	29 01 05 49.0	42.12N	84.28E	5			**¶601629772**
BJI	VIII	29 01 05 52.2	41.19N	83.62E	7	4.0b,4.0L		
NNC	VIII	29 01 05 56.2–3.3	41.46N	83.51E	0	3.9b,3.5		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=27.6km s-min=15.3km az=131.0.

ISC	**VIII**	**30 09 50 52.0–.88**	**39.46N–.04**	**76.83E–.03**	**10**		**104**	**3-11**
SOME	VIII	30 09 50 49.4	39.47N	76.88E	5			**¶601650916**
KRNET	VIII	30 09 50 49.6–.10	39.18N	77.13E		3.7b		
BJI	VIII	30 09 50 50.7	39.41N	76.91E	10	4.0L		
NNC	VIII	30 09 51 00.3–3.7	39.84N	76.52E	0	3.9b		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=36.1km s-min=14.7km az=151.0.

ISC	**IX**	**02 15 24 04.2–2.0**	**39.52N–.10**	**75.28E–.06**	**21–7**		**18**	**1-4**
KRNET	IX	02 15 24 01.3–.10	39.42N	75.35E		2.9b		**¶604823294**

ISC Event type ke.

ISC	**IX**	**03 09 02 37.0–1.8**	**39.98N–.08**	**77.32E–.05**	**28**		**40**	**2-4**
SOME	IX	03 09 02 30.2	39.97N	77.37E	10			**¶601675050**
KRNET	IX	03 09 02 31.0–.10	39.77N	77.70E		3.0b		

ISC Event type ke.

NNC	**IX**	**05 00 00 24.3–3.8**	**38.58N**	**75.29E**	**0**	**3.7b,3.3**		
								¶601687168

NNC Event type se. Error ellipse: s-maj=27.4km s-min=20.7km az=168.0.

ISC	**IX**	**05 07 09 27.5–2.6**	**40.5N–.10**	**82.15E–.09**	**10**		**26**	**3-6**
SOME	IX	05 07 09 24.1	40.13N	81.92E	5			**¶601687219**
NNC	IX	05 07 09 24.1–1.9	40.51N	82.47E	0	3.6b,3.3		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=13.5km s-min=10.5km az=147.0.

ISC	**IX**	**06 04 40 25.2–2.9**	**39.6N–.20**	**74.62E–.06**	**2–19**		**22**	**1-5**
NNC	IX	06 04 40 25.4–.91	39.61N	74.61E	0	3.2b,2.9		**¶601695709**
KRNET	IX	06 04 40 27.7–.10	39.66N	74.50E		3.7b,2.9		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.5km az=175.0.

ISC	**IX**	**06 11 33 53.3–.60**	**41.67N–.04**	**81.13E–.03**	**10**	**3.8b**	**103**	**2-81**
IDC	IX	06 11 33 51.3–.94	41.71N	81.24E	0	3.8,3.8b		**¶601687271**
SOME	IX	06 11 33 52.1	41.72N	81.20E	5	3.2s,3.8b		
NEIC	IX	06 11 33 53.6–.62	41.72N	81.34E	10	4.2b,3.8b		
NNC	IX	06 11 33 54.5–1.1	41.78N	81.19E	0	4.3b,3.9		
BJI	IX	06 11 33 54.4	41.71N	81.17E	8	3.8L,3.9		

ISC Event type se.

IDC Error ellipse: s-maj=16.6km s-min=14.4km az=69.0.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.0km az=149.0.

NNC Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=140.0.

ISC	**IX**	**08 18 35 58.6–3.0**	**41.8N–.20**	**86.2E–.10**	**23**		**8**	**2-6**
NNC	IX	08 18 35 58.1–6.1	42.09N	86.11E	0	3.2b,2.8		**¶601702898**

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=44.2km s-min=29.5km az=132.0.

ISC	**IX**	**09 22 07 20.1–1.5**	**39.96N–.04**	**75.31E–.04**	**4–15**		**52**	**1-4**
SOME	IX	09 22 07 20.6	39.80N	75.40E	25			**¶602583247**
KRNET	IX	09 22 07 20.1–.10	39.93N	75.32E		2.8b		

ISC Event type ke.

ISC	**IX**	**09 22 07 22.0–.46**	**37.01N–.04**	**78.75E–.05**	**17**	**4.0b**	**104**	**3-77**
IDC	IX	09 22 07 18.9–.81	36.92N	78.72E	0	4.0,3.9b		**¶601698219**
ISCJB	IX	09 22 07 20.5–.24	36.96N–.02	78.88E–.04	17	4.0b,3.2s		
BJI	IX	09 22 07 22.3	37.04N	78.75E	7	4.3L,4.1b		
NEIC	IX	09 22 07 26.7–1.5	37.09N	78.91E	52–14	4.1b,4.1b		
NNC	IX	09 22 07 28.4–5.4	37.40N	78.88E	0	4.4b,4.1		

ISC Event type se.

IDC Error ellipse: s-maj=19.5km s-min=15.9km az=45.0.

ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.9km az=171.9.

NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.5km az=204.0.

NNC Event type se. Error ellipse: s-maj=41.7km s-min=26.3km az=156.0.

ISC	**IX**	**10 14 03 16.2–.74**	**39.17N–.03**	**74.16E–.02**	**31–5**	**4.5b,3.5s**	**372**	**1-84**
SOME	IX	10 14 03 12.3	39.35N	74.23E	0	3.5s,3.5s		**¶601699600**
KRNET	IX	10 14 03 14.6–.10	39.36N	74.05E		4.9b,3.5s		
BJI	IX	10 14 03 14.2	39.14N	74.18E	42	4.6L,4.4b		
IDC	IX	10 14 03 15.9–3.0	39.16N	74.37E	33–23	4.2,4.2		
MOS	IX	10 14 03 15.6–1.5	39.23N	74.40E	33	4.7b,4.2		
NNC	IX	10 14 03 15.4–.81	39.37N	74.02E	0	5.1b,4.8		
ISCJB	IX	10 14 03 15.7–.36	39.10N–.02	74.27E–.03	42–3	4.4b,3.6s		
NEIC	IX	10 14 03 17.9–.53	39.23N	74.27E	48–5	4.6b,3.6s		

ISC Event type se.

IDC Error ellipse: s-maj=13.0km s-min=10.2km az=10.0.

MOS Error ellipse: s-maj=6.1km s-min=3.9km az=105.2.

NNC Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=32.0.

ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=177.5.

NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=165.0.

ISC	**IX**	**11 18 54 05.2–1.2**	**39.46N–.05**	**77.01E–.04**	**25**		**87**	**1-11**
SOME	IX	11 18 54 00.6	39.52N	76.78E	0			**¶601707461**
BJI	IX	11 18 54 00.5	39.46N	76.93E	8	3.9b,3.9L		
KRNET	IX	11 18 54 01.3–.10	39.57N	76.87E		4.2b,3.9L		
NNC	IX	11 18 54 03.1–2.7	39.60N	76.77E	0	4.0b,3.6		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=22.5km s-min=11.1km az=145.0.

ISC	**IX**	**12 13 19 16.7–2.4**	**39.6N–.20**	**74.20E–.05**	**10**		**20**	**1-11**
BJI	IX	12 13 19 09.7	39.15N	74.13E	7	3.5L		**¶601712519**
NNC	IX	12 13 19 12.5–2.3	39.24N	73.94E	0	4.1b,3.8		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=22.4km s-min=10.9km az=49.0.

ISC	**IX**	**13 00 36 44.9–2.5**	**41.76N–.06**	**80.10E–.05**	**3–13**		**74**	**1-7**
SOME	IX	13 00 36 38.8	41.40N	80.13E	15			**¶601717438**
BJI	IX	13 00 36 39.3	41.43N	80.27E	13	3.0L		
NNC	IX	13 00 36 40.8–1.7	41.56N	80.16E	0	4.0b,3.6		
KRNET	IX	13 00 36 41.4–.10	41.72N	80.12E		3.5b,3.6		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=14.4km s-min=7.6km az=149.0.

ISC	**IX**	**13 14 33 30.3–2.3**	**41.33N–.08**	**80.25E–.06**	**4–13**		**63**	**2-6**
SOME	IX	13 14 33 31.7	41.38N	80.20E	15			**¶601717534**
KRNET	IX	13 14 33 33.1–.10	41.66N	80.59E		2.9b		
NNC	IX	13 14 33 35.4–2.9	41.62N	80.49E	0	3.4b,3.1		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=24.1km s-min=14.1km az=159.0.

ISC	**IX**	**16 16 16 56.5–.51**	**37.56N–.05**	**76.07E–.06**	**10**	**3.8b**	**58**	**2-82**
IDC	IX	16 16 16 53.9–.88	37.43N	76.26E	0	3.9,3.8		**¶601719501**
ISCJB	IX	16 16 16 54.4–.35	37.49N–.03	76.08E–.05	10	3.9b,3.8		
BJI	IX	16 16 16 55.1	37.61N	76.12E	9	3.8b,3.8L		
NEIC	IX	16 16 16 58.9–.51	37.45N	76.15E	35	4.2b,3.8L		
NNC	IX	16 16 17 03.6–3.4	38.02N	76.05E	0	4.3b,3.9		

ISC Event type se.

IDC Error ellipse: s-maj=19.6km s-min=18.0km az=147.0.

ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=2.4.

NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.5km az=142.0.

NNC Event type se. Error ellipse: s-maj=29.7km s-min=19.9km az=5.0.

ISC	**IX**	**17 04 14 39.4–3.1**	**41.3N–.10**	**84.0E–.10**	**10**		**19**	**3-6**
SOME	IX	17 04 14 36.8	41.32N	84.12E	20			**¶601725054**
NNC	IX	17 04 14 49.2–4.6	41.90N	83.42E	0	3.2b,2.8		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=32.7km s-min=13.9km az=137.0.

ISC	**IX**	**17 05 40 06.8–2.6**	**41.4N–.10**	**82.66E–.09**	**10**		**33**	**3-5**
NNC	IX	17 05 39 44.8–7.1	41.33N	84.53E	0	3.8b,3.4		**¶601725063**
SOME	IX	17 05 40 03.7	41.30N	82.80E	15	3.8b,3.4		

ISC Event type se.

NNC Event type se. Error ellipse: s-maj=46.6km s-min=17.9km az=144.0.
ISC IX 21 21 49 09.2–.80 36.46N–.08 82.48E–.08 10 3.6b 31 6-77
ISCJB IX 21 21 49 07.4–.57 36.52N–.05 82.56E–.08 10 3.5b,2.6s **¶601736477**
IDC IX 21 21 49 07.3–.73 36.40N 82.53E 0 3.9,3.8
BJI IX 21 21 49 07.3 36.33N 82.46E 5 4.1L,3.8
NNC IX 21 21 49 12.7–1.7 36.57N 82.50E 18–7 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.0km az=173.5.
IDC Error ellipse: s-maj=21.0km s-min=14.0km az=53.0.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=8.1km az=121.0.
ISC IX 22 10 54 14.2–2.1 41.84N–.09 80.99E–.06 10 45 2-5
SOME IX 22 10 54 11.2 41.72N 81.10E 10 **¶601738289**
NNC IX 22 10 54 12.6–1.4 41.82N 81.11E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=149.0.
ISC IX 22 17 24 04.7–1.8 40.85N–.07 79.58E–.06 10 53 2-6
SOME IX 22 17 24 00.1 40.68N 79.53E 0 **¶601739229**
NNC IX 22 17 24 01.6–1.9 40.68N 79.56E 0 3.5b,3.2
KRNET IX 22 17 24 04.3–.10 40.96N 79.54E 3.4b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=8.3km az=147.0.
NNC IX 22 22 20 19.4–2.0 38.93N 75.24E 0 3.6b,3.2
¶601739252
NNC Event type se. Error ellipse: s-maj=15.2km s-min=13.1km az=168.0.
ISC IX 30 23 04 42.3–.27 41.40N–.03 81.86E–.03 18 4.6b,3.6s 394 2-87
SOME IX 30 23 04 22.8 40.38N 81.67E 5 3.6s,3.6s **¶601769303**
ISCJB IX 30 23 04 39.8–.14 41.43N–.02 81.88E–.03 18 4.5b,3.6s
BJI IX 30 23 04 41.6 41.46N 81.81E 25 4.7L,4.5b
MOS IX 30 23 04 42.9–.98 41.47N 81.91E 45 4.8b,4.5b
NEIC IX 30 23 04 45.0–.42 41.47N 81.89E 47–4 4.7b,4.5b
IDC IX 30 23 04 45.8–.41 41.55N 81.94E 53–3 4.3,4.2
NNC IX 30 23 04 50.3–3.0 41.83N 81.75E 57–27 4.6b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.6km az=40.7.
MOS Error ellipse: s-maj=6.5km s-min=4.4km az=124.7.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=190.0.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=51.0.
NNC Event type se. Error ellipse: s-maj=34.1km s-min=7.9km az=127.0.
ISC X 05 22 17 22.5–.74 38.11N–.07 75.31E–.08 100 3.6b 35 2-69
ISCJB X 05 22 17 22.4–.44 38.15N–.04 75.26E–.08 100 3.7b **¶601794820**
IDC X 05 22 17 22.9–5.7 38.04N 75.43E 112–42 3.7,3.4
NNC X 05 22 17 25.7–3.5 38.57N 75.28E 0 3.9b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.3km az=154.8.
IDC Error ellipse: s-maj=65.7km s-min=29.2km az=139.0.
NNC Event type se. Error ellipse: s-maj=25.3km s-min=19.5km az=177.0.
ISC X 05 22 58 25.2–1.3 39.93N–.06 74.71E–.03 10 68 1-5
NNC X 05 22 58 22.0–2.4 39.74N 74.74E 0 3.6b,3.2 **¶601794823**
SOME X 05 22 58 22.5 39.77N 74.80E 15 3.6b,3.2
KRNET X 05 22 58 22.1–.10 39.74N 74.74E 3.1b,3.2
ISCJB X 05 22 58 24.6–1.0 39.73N–.05 74.68E–.05 10 3.1b,3.2
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC X 06 09 27 37.7–.33 41.20N–.04 88.35E–.03 10 4.5b,4.1s 282 3-148
IDC X 06 09 27 34.6–.48 41.02N 88.30E 0 4.5,4.3 **¶601792808**
ISCJB X 06 09 27 35.4–.16 41.15N–.02 88.30E–.02 10 4.5b,4.2s
BJI X 06 09 27 36.3 41.01N 88.31E 8 4.9b,4.8L
NNC X 06 09 27 38.2–2.2 41.18N 88.25E 12–12 5.1b,5.1
MOS X 06 09 27 39.1–.91 41.14N 88.30E 36 4.7b,4.0s
NEIC X 06 09 27 40.3–.45 41.13N 88.33E 36–4 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=9.9km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=28.7.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=13.2km az=134.0.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=114.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.5km az=182.0.
BJI X 07 03 21 42.3 41.00N 88.29E 8 3.8b,3.6L
¶601794908
ISC X 07 07 08 49.6–1.5 39.73N–.07 74.77E–.04 10 58 1-5
SOME X 07 07 08 45.0 39.63N 74.98E 10 **¶601795648**
KRNET X 07 07 08 48.0–.10 39.54N 74.71E 3.8b
NNC X 07 07 08 49.3–1.6 39.75N 74.71E 0 3.1b,2.8
ISCJB X 07 07 08 50.3–.95 39.54N–.05 74.66E–.05 10 3.1b,2.8
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC X 07 18 24 19.7–1.3 39.86N–.04 74.72E–.02 1–9 3.8b 125 1-84
KRNET X 07 18 24 19.8–.10 39.74N 74.79E 3.7b **¶601819494**
IDC X 07 18 24 19.1–.90 39.55N 74.69E 0 3.8,3.8b
SOME X 07 18 24 21.1 39.90N 74.72E 5 3.8,3.8b
NNC X 07 18 24 21.3–2.3 39.52N 74.53E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=18.7km az=53.0.
NNC Event type se. Error ellipse: s-maj=18.2km s-min=6.4km az=175.0.
ISC X 07 20 54 29.3–1.5 39.90N–.05 74.59E–.03 3–12 77 1-5
SOME X 07 20 54 28.9 39.87N 74.63E 5 **¶601819481**
KRNET X 07 20 54 30.7–.10 39.90N 74.69E 16 3.4b
NNC X 07 20 54 31.4–2.1 39.82N 74.66E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=6.2km az=163.0.
NNC X 09 08 42 22.7–7.1 38.95N 76.01E 0 3.6b,3.2
¶601825912
NNC Event type se. Error ellipse: s-maj=52.4km s-min=29.0km az=161.0.
ISC X 09 15 22 02.3–1.3 36.93N–.10 80.7E–.10 10 3.5b 25 6-78
IDC X 09 15 21 57.1–.86 36.58N 80.06E 0 3.7,3.6 **¶601819582**
ISCJB X 09 15 21 58.6–.72 36.85N–.07 80.6E–.10 10 3.5b,3.6
NNC X 09 15 22 04.5–2.8 37.17N 80.53E 0 4.2b,3.9
BJI X 09 15 22 06.0 36.93N 80.28E 30 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=17.2km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.4km az=152.6.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=17.8km az=137.0.
ISC X 12 04 10 14.5–.81 36.64N–.07 83.08E–.07 10 3.7b 30 6-75
BJI X 12 04 10 08.5 36.33N 82.89E 5 4.5b,4.4b **¶601828941**
ISCJB X 12 04 10 12.4–.64 36.77N–.05 83.13E–.09 10 3.6b,4.4b
IDC X 12 04 10 12.6–.95 36.65N 83.11E 0 3.9,3.7
NNC X 12 04 10 15.7–1.2 36.73N 83.03E 14–5 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=169.0.
IDC Error ellipse: s-maj=26.6km s-min=17.6km az=51.0.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=6.5km az=105.0.
ISC X 12 23 08 43.0–1.7 39.69N–.07 76.80E–.05 10 55 2-9
NNC X 12 23 08 37.6–1.1 39.51N 76.82E 0 3.9b,3.5 **¶601833863**
KRNET X 12 23 08 39.6–.10 39.65N 76.89E 3.5b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=144.0.
ISC X 13 17 04 37.6–1.5 40.76N–.06 78.26E–.04 10 87 2-5
SOME X 13 17 04 31.9 40.58N 78.18E 5 **¶601835661**
KRNET X 13 17 04 36.6–.10 40.78N 78.19E 3.3b
NNC X 13 17 04 39.0–4.6 40.89N 78.55E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.0km s-min=25.9km az=169.0.
ISC X 18 15 00 44.8–2.0 40.00N–.09 77.92E–.06 23 60 2-5
SOME X 18 15 00 44.4 40.28N 78.00E 5 **¶601839518**
KRNET X 18 15 00 45.1–.10 40.06N 77.61E 3.1b
ISC Event type ke.
ISC X 22 11 44 33.3–2.8 39.8N–.10 75.0E–.10 8–17 18 1-3
SOME X 22 11 44 32.4 40.93N 72.47E 0 **¶604823767**
KRNET X 22 11 44 34.0–.10 39.76N 74.99E 2.4b
ISC Event type ke.

NNC X 23 10 17 39.3–3.9 38.19N 77.14E 0 3.7b,3.3
¶601846822
NNC Event type se. Error ellipse: s-maj=32.6km s-min=27.6km az=151.0.
ISC X 23 10 23 30.9–2.9 39.9N–.20 82.6E–.10 10 20 4-7
SOME X 23 10 23 24.9 41.20N 83.73E 15 **¶601846824**
NNC X 23 10 23 31.0–2.8 39.77N 82.52E 30–17 3.9b,3.4
ISC Event type ke.
NNC Error ellipse: s-maj=26.3km s-min=17.7km az=36.0.
ISC X 23 10 33 48.9–2.5 40.9N–.10 80.00E–.08 10 30 2-4
SOME X 23 10 33 43.9 40.83N 79.92E 5 **¶602583757**
KRNET X 23 10 33 46.7–.10 40.59N 80.28E 3.0b
ISC Event type ke.
ISC X 25 07 05 47.3–.53 39.72N–.04 78.15E–.03 22 3.8b 146 2-82
NNC X 25 07 05 43.1–3.0 39.47N 79.17E 0 4.6b,4.2 **¶601846857**
IDC X 25 07 05 45.0–.79 39.76N 78.32E 0 3.9,3.8b
BJI X 25 07 05 48.5 39.94N 78.36E 5 4.2L,4.1b
KRNET X 25 07 05 49.6–.10 39.72N 78.38E 4.1b,4.1b
SOME X 25 07 05 49.2 39.95N 78.35E 15 4.1b,4.1b
NEIC X 25 07 05 49.5–1.1 39.72N 78.35E 36–12 4.0b,4.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=13.5km az=145.0.
IDC Error ellipse: s-maj=19.7km s-min=15.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.0km az=132.0.
ISC X 26 01 52 55.2–1.3 39.96N–.03 75.88E–.02 1–9 4.0b 142 1-146
IDC X 26 01 52 54.5–.83 39.77N 75.79E 0 4.0,3.9b **¶601848662**
KRNET X 26 01 52 56.8–.10 39.94N 75.94E 4.2b,3.9b
SOME X 26 01 52 56.4 39.92N 75.98E 5 3.4s,3.9b
BJI X 26 01 52 56.5 40.07N 75.82E 8 4.2b,3.9L
NEIC X 26 01 52 59.8–.65 39.88N 75.84E 35 4.0b,3.9L
NNC X 26 01 52 59.7–1.4 40.08N 75.78E 0 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=13.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.7km az=113.0.
NNC Event type se. Error ellipse: s-maj=14.6km s-min=7.3km az=146.0.
ISC XI 02 17 10 30.3–2.5 39.2N–.10 76.65E–.06 10 59 2-6
NNC XI 02 17 10 30.1–7.7 39.63N 77.23E 0 3.5b,3.1 **¶601871791**
SOME XI 02 17 10 31.8 39.45N 76.82E 15 3.5b,3.1
KRNET XI 02 17 10 33.4–.10 39.48N 76.39E 3.2b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=71.8km s-min=51.7km az=65.0.
ISC XI 04 14 31 43.1–1.3 39.89N–.03 75.52E–.03 8–9 3.5b 104 1-83
SOME XI 04 14 31 30.6 39.22N 75.55E 10 3.5b **¶601871976**
BJI XI 04 14 31 41.3 39.99N 75.22E 8 3.9b,3.8L
IDC XI 04 14 31 42.6–1.0 39.72N 75.21E 0 3.6,3.5
KRNET XI 04 14 31 43.7–.10 39.83N 75.73E 4.2b,3.5
NNC XI 04 14 31 50.1–1.2 40.09N 75.30E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=14.7km az=89.0.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=153.0.
ISC XI 04 21 56 60.0–3.5 39.8N–.10 77.39E–.09 1–27 42 2-4
SOME XI 04 21 57 00.9 39.98N 77.40E 0 **¶601877461**
KRNET XI 04 21 57 02.2–.10 39.93N 77.21E 3.0b
ISC Event type ke.
ISC XI 05 21 03 11.5–1.6 40.86N–.07 78.16E–.04 10 82 1-7
SOME XI 05 21 03 05.5 40.62N 78.22E 5 **¶601880396**
KRNET XI 05 21 03 06.8–.10 40.69N 78.41E 3.3b
NNC XI 05 21 03 09.9–2.8 40.81N 78.18E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=15.4km az=166.0.
ISC XI 06 08 53 53.9–3.3 39.6N–.10 75.42E–.07 9–15 35 2-5
KRNET XI 06 08 53 47.8–.10 39.09N 75.61E 3.3b **¶601880450**
NNC XI 06 08 53 49.5–8.8 39.17N 74.68E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=62.6km s-min=40.1km az=171.0.
ISC XI 06 20 50 58.5–.73 38.27N–.07 82.00E–.06 10 3.6b 35 6-76
ISCJB XI 06 20 50 55.8–.60 38.26N–.05 82.10E–.06 10 3.6b **¶601877576**
IDC XI 06 20 50 56.5–.90 38.28N 82.07E 0 3.7,3.6
NNC XI 06 20 50 58.5–3.3 38.46N 82.06E 0 4.0b,3.9
BJI XI 06 20 50 59.0 38.32N 81.82E 7 3.9b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.8km az=142.9.
IDC Error ellipse: s-maj=24.3km s-min=15.4km az=45.0.
NNC Event type se. Error ellipse: s-maj=31.8km s-min=25.8km az=140.0.
ISC XI 07 23 34 30.2–2.8 39.9N–.10 77.77E–.08 10 37 2-5
SOME XI 07 23 34 28.8 40.15N 78.12E 0 **¶601883635**
KRNET XI 07 23 34 31.2–.10 39.87N 77.80E 3.0b
NNC XI 07 23 34 40.7–9.7 45.65N 77.22E 7–44 3.2b,2.9
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=61.5km s-min=23.5km az=179.0.
ISC XI 11 23 02 18.0–.90 41.77N–.06 82.10E–.03 18 3.7b 64 2-74
SOME XI 11 23 02 18.6 41.93N 82.37E 15 3.7b **¶601885139**
NNC XI 11 23 02 21.0–1.6 42.07N 82.23E 0 4.1b,3.7
IDC XI 11 23 02 21.1–4.9 42.03N 82.20E 35–31 3.5,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=9.5km az=148.0.
IDC Error ellipse: s-maj=42.7km s-min=15.1km az=153.0.
ISC XI 16 01 52 18.6–2.3 41.86N–.10 82.12E–.08 18 48 2-9
SOME XI 16 01 52 16.7 42.12N 82.38E 5 **¶601992123**
NNC XI 16 01 52 19.5–2.3 42.10N 82.21E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.2km s-min=10.5km az=147.0.
NNC XI 16 20 52 29.3–4.9 38.19N 82.92E 0 3.8b,3.4
¶601992302
NNC Event type se. Error ellipse: s-maj=47.6km s-min=36.7km az=82.0.
ISC XI 22 01 21 42.5–.97 39.04N–.07 75.47E–.06 10 3.6b 28 2-78
IDC XI 22 01 21 39.3–2.3 39.24N 74.99E 0 3.9,3.9s **¶601993575**
NNC XI 22 01 21 41.1–2.4 38.99N 75.52E 0 3.9b,3.5
ISCJB XI 22 01 21 42.6–.63 39.04N–.04 75.62E–.09 10 4.0s,3.3b
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XI 23 09 08 05.3–2.1 39.6N–.10 74.63E–.04 10 44 1-5
KRNET XI 23 09 08 01.3–.10 39.43N 74.62E 3.6b **¶601993897**
NNC XI 23 09 08 03.7–4.1 39.59N 74.65E 0 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.5km s-min=15.3km az=178.0.
ISC XI 26 03 26 37.6–1.4 40.3N–.10 90.40E–.07 10 9 4-11
BJI XI 26 03 26 39.2 40.46N 90.42E 5 3.4L **¶601994485**
ISC Event type ke.
BJI XI 26 03 28 45.6 40.41N 90.35E 9 3.6L
¶601994486
ISC XI 26 05 33 49.1–.39 40.41N–.03 90.37E–.02 11–2 5.5b,4.7s 1538 4-166
IDC XI 26 05 33 47.3–.37 40.41N 90.44E 0 5.2,5.2 **¶601994499**
ISCJB XI 26 05 33 48.5–.07 40.42N–.01 90.38E–.01 18 5.4b,4.6s
BJI XI 26 05 33 48.8 40.35N 90.45E 10 5.6L,5.3b
NEIC XI 26 05 33 48.8–.07 40.41N 90.36E 10 5.6L,5.6b
GCMT XI 26 05 33 50.8–.20 40.62N–.01 90.54E–.02 23–0 5.1W,5.6b
MOS XI 26 05 33 50.1–1.0 40.46N 90.33E 28 5.6b,4.7s
NNC XI 26 05 33 50.3–1.5 40.55N 90.12E 0 5.9b,5.6
ISC Event type de.
IDC Error ellipse: s-maj=12.4km s-min=9.4km az=30.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.5km az=32.9.
NEIC Event type de. Error ellipse: s-maj=2.2km s-min=1.8km az=27.0. Some houses damaged in Xinjiang. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}3.76 $M_{\theta\theta}$-4.15 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s63.00000°,δ46.00000°,λ56.00000°. NP2:ϕ_s288.00000°,δ53.00000°,λ121.00000°. Principal axes: T 4.6400,Plg66.0000°,Azm258.0000°; N -0.4300,Plg24.0000°,Azm88.0000°; P -4.2200,Plg4.0000°,Azm356.0000° M_o4.50000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c82; s95,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.48±.15 $M_{\theta\theta}$-4.70±.11; $M_{\phi\phi}$1.23±.10; $M_{r\theta}$-1.14±.16; $M_{\theta\phi}$-2.32±.09; $M_{\phi r}$1.51±.17; Best double couple: NP1:ϕ_s280.00000°,δ57.00000°,λ131.00000°.

NP2:φ=41.00000°,δ51.00000°,λ44.00000°. Principal axes: T 4.7180,Plg56.0000° ,Azm246.0000°; N 0.8320,Plg34.0000°,Azm75.0000°; P -5.5400,Plg4.0000°,Azm342.0000° $M_0$5.12900×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=2.9km az=131.8.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=16.2km az=31.0.

ISC	**XI**	**27 09 04 28.5–1.3**	**39.0N–.10**	**80.98E–.06**	**10**	**3.8b**	**24**	**4-78**
IDC	XI	27 09 04 24.1–1.8	38.86N	81.21E	0	3.9b,3.8		¶601994780
ISCJB	XI	27 09 04 26.0–1.0	39.07N–.07	81.10E–.06	10	3.8b,2.9s		
BJI	XI	27 09 04 30.0	39.08N	81.06E	16	3.9b,3.8L		
NNC	XI	27 09 04 37.0–4.0	39.41N	81.14E	24–21	3.9b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=25.8km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.6km az=159.7.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=24.7km az=25.0.

ISC	**XI**	**27 12 11 43.5–.75**	**36.01N–.07**	**82.80E–.06**	**10**	**3.6b**	**47**	**6-81**
ISCJB	XI	27 12 11 41.3–.52	36.05N–.05	82.65E–.06	10	3.5b		¶601994811
BJI	XI	27 12 11 41.8	35.86N	82.40E	11	4.2b,4.2L		
IDC	XI	27 12 11 44.5–5.8	35.91N	82.57E	26–41	3.8,3.8		
NEIC	XI	27 12 11 46.2–1.0	36.20N	82.51E	10	4.2L,4.0b		
NNC	XI	27 12 11 48.5–4.2	36.25N	82.23E	6–19	4.5b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.3km az=148.4.
IDC Error ellipse: s-maj=25.0km s-min=17.9km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.3km az=149.0.
NNC Event type se. Error ellipse: s-maj=29.7km s-min=23.7km az=103.0.

ISC	**XII**	**01 01 59 02.7–1.5**	**39.34N–.04**	**75.67E–.03**	**6–9**	**3.6b**	**112**	**0-80**
IDC	XII	01 01 59 00.4–1.0	39.15N	75.89E	0	3.6,3.6b		¶601995543
SOME	XII	01 01 59 00.9	39.30N	75.75E	0	3.6,3.6b		
KRNET	XII	01 01 59 01.9–.10	39.12N	75.58E		4.2b,3.6b		
BJI	XII	01 01 59 02.7	39.22N	75.62E	6	4.1b,4.0b		
NNC	XII	01 01 59 05.5–2.3	39.39N	75.67E	13–9	4.2b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=13.8km az=74.0.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=7.4km az=172.0.

ISC	**XII**	**01 22 30 46.2–1.5**	**39.65N–.07**	**74.17E–.05**	**10**		**37**	**1-4**
KRNET	XII	01 22 30 45.2–.10	39.69N	74.18E	13	3.2b		¶601995702
NNC	XII	01 22 30 45.8–3.6	39.63N	74.10E	0	3.5b,3.2		
ISCJB	XII	01 22 30 47.3–.94	39.63N–.05	74.20E–.05	10	3.5b,3.2		

ISC Event type se.
NNC Event type se.
ISCJB Event type se.

ISC	**XII**	**07 05 43 15.9–.56**	**39.00N–.04**	**75.46E–.06**	**10**	**3.8b**	**46**	**1-80**
IDC	XII	07 05 43 13.2–1.0	38.68N	75.41E	0	3.9,3.8b		¶602005993
BJI	XII	07 05 43 13.7	38.83N	75.25E	9	3.9b,3.7L		
ISCJB	XII	07 05 43 14.9–.34	38.82N–.03	75.39E–.08	10	3.6b,2.6s		
NNC	XII	07 05 43 18.7–.98	38.99N	75.45E	0	4.1b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=17.6km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.6km az=172.3.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=4.2km az=173.0.

ISC	**XII**	**07 14 08 45.8–.55**	**38.84N–.03**	**88.05E–.03**	**30–3**	**5.2b,4.6s**	**731**	**5-163**
IDC	XII	07 14 08 41.4–.34	38.74N	88.12E	0	5.0,5.0b		¶602032155
BJI	XII	07 14 08 41.5	38.73N	88.01E	10	5.5L,5.1b		
MOS	XII	07 14 08 42.2–.94	38.85N	88.08E	15	5.4b,4.4s		
ISCJB	XII	07 14 08 42.3–.10	38.79N–.02	88.05E–.02	15	5.1b,4.5s		
NEIC	XII	07 14 08 42.9–.11	38.75N	88.10E	10	5.3b,4.5s		
NNC	XII	07 14 08 44.5–1.2	39.01N	88.12E	15	5.7,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=7.2km az=25.0.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=124.9.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.7km az=31.9.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=202.0.
NNC Event type se. Error ellipse: s-maj=10.0km s-min=9.2km az=97.0.

ISC	**XII**	**07 15 48 37.5–.76**	**38.89N–.08**	**88.10E–.06**	**35**	**3.6b**	**33**	**5-77**
IDC	XII	07 15 48 32.7–.87	38.82N	88.57E	0	3.8,3.6		¶602031773
BJI	XII	07 15 48 33.5	38.77N	88.04E	9	3.9L,3.6b		
ISCJB	XII	07 15 48 34.3–.59	38.91N–.07	88.03E–.05	33	3.5b,3.6b		
NNC	XII	07 15 48 39.7–2.1	39.13N	87.83E	14–15	4.0b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=16.2km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.8km az=23.8.
NNC Event type se. Error ellipse: s-maj=17.3km s-min=14.3km az=172.0.

ISC	**XII**	**11 08 20 05.1–1.9**	**36.6N–.10**	**82.6E–.10**	**10**		**15**	**7-21**
BJI	XII	11 08 19 59.4	36.32N	82.43E	6	3.8L		¶602035439
ISCJB	XII	11 08 20 03.0–1.4	36.69N–.09	82.6E–.10	10	3.8L		
IDC	XII	11 08 20 02.6–6.3	36.62N	82.55E	0	3.7,3.7		
NNC	XII	11 08 20 05.9–1.6	36.77N	82.54E	0	4.2b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=12.3km az=172.8.
IDC Error ellipse: s-maj=81.3km s-min=31.0km az=27.0.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=10.5km az=126.0.

ISC	**XII**	**11 09 33 57.2–2.5**	**40.87N–.09**	**79.04E–.07**	**10**		**46**	**2-4**
SOME	XII	11 09 33 54.9	40.68N	79.27E	35			¶602588796
KRNET	XII	11 09 33 57.3–.10	40.89N	79.08E		2.2b		

ISC Event type ke.

ISC	**XII**	**13 01 12 54.3–2.2**	**39.71N–.08**	**76.82E–.10**	**10**		**16**	**1-3**
KRNET	XII	13 01 12 51.3–.10	39.58N	76.89E		3.0b		¶604824427

ISC Event type ke.

ISC	**XII**	**16 09 45 29.2–2.9**	**40.9N–.10**	**79.88E–.07**	**10**		**23**	**2-6**
SOME	XII	16 09 45 26.3	40.80N	79.93E	15			¶602064867
NNC	XII	16 09 45 32.2–3.1	41.11N	79.87E	0	3.1b,2.7		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.0km s-min=18.6km az=139.0.

ISC	**XII**	**16 11 40 06.9–2.4**	**39.8N–.10**	**78.14E–.08**	**23**		**29**	**2-4**
SOME	XII	16 11 40 04.2	39.93N	78.05E	0			¶602046684
KRNET	XII	16 11 40 08.8–.10	39.68N	77.61E		3.1b		

ISC Event type ke.

ISC	**XII**	**16 22 52 44.9–.91**	**40.31N–.09**	**90.30E–.09**	**10**	**3.4b**	**23**	**4-81**
ISCJB	XII	16 22 52 43.7–.67	40.52N–.07	90.37E–.09	10	3.3b,2.9s		¶602043834
IDC	XII	16 22 52 43.1–1.1	40.28N	90.44E	0	3.6,3.5		
BJI	XII	16 22 52 46.0	40.42N	90.47E	8	3.8b,3.7L		
NNC	XII	16 22 52 54.9–3.5	40.56N	89.35E	0	4.3b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.4km az=42.0.
IDC Error ellipse: s-maj=26.5km s-min=17.4km az=50.0.
NNC Event type se. Error ellipse: s-maj=30.8km s-min=25.8km az=66.0.

ISC	**XII**	**17 11 02 14.6–3.3**	**40.8N–.10**	**79.9E–.10**	**10**		**16**	**2-5**
SOME	XII	17 11 02 09.8	40.80N	79.88E	10			¶602588905
KRNET	XII	17 11 02 11.6–.10	40.50N	80.23E		2.7b		

ISC Event type ke.

ISC	**XII**	**17 13 10 52.3–.57**	**37.32N–.04**	**78.64E–.06**	**10**	**3.9b**	**49**	**3-80**
ISCJB	XII	17 13 10 50.6–.34	37.24N–.03	78.81E–.06	10	3.6b		¶602046720
IDC	XII	17 13 10 50.6–.82	37.20N	78.50E	0	3.9,3.7		
BJI	XII	17 13 10 53.5	37.45N	78.56E	8	3.8L,3.7		
NNC	XII	17 13 11 01.1–4.0	37.84N	78.64E	4–17	4.1b,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.7km az=178.0.
IDC Error ellipse: s-maj=26.3km s-min=16.4km az=48.0.
NNC Event type se. Error ellipse: s-maj=29.1km s-min=19.1km az=145.0.

ISC	**XII**	**20 10 37 25.3–3.3**	**40.9N–.10**	**79.96E–.09**	**0–19**		**20**	**2-3**
SOME	XII	20 10 37 25.8	40.95N	79.95E	0			¶602056256
KRNET	XII	20 10 37 27.8–.10	40.96N	79.96E		2.9b		

ISC Event type ke.

IDC	**XII**	**22 13 38 12.6–1.4**	**39.03N**	**92.39E**	**0**	**3.5,3.3**		
								¶602057574

IDC Error ellipse: s-maj=215.8km s-min=19.1km az=50.0.

ISC	**XII**	**22 20 42 20.5–1.4**	**39.55N–.04**	**74.81E–.03**	**5–9**	**3.6b**	**90**	**1-84**
IDC	XII	22 20 42 18.7–.90	39.32N	74.68E	0	3.7,3.6		¶602057588
BJI	XII	22 20 42 19.0	39.51N	74.65E	5	3.5L,3.6		
SOME	XII	22 20 42 19.3	39.37N	74.90E	15	3.5L,3.6		
NNC	XII	22 20 42 23.1–1.5	39.58N	74.74E	0	4.1b,3.8		
KRNET	XII	22 20 42 23.0–.10	39.63N	74.77E		3.7b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=16.9km az=173.0.
NNC Event type se. Error ellipse: s-maj=12.0km s-min=4.1km az=168.0.

NNC	**XII**	**23 12 14 14.2–1.8**	**39.21N**	**76.12E**	**0**	**3.7b,3.3**		
								¶602058312

NNC Event type se. Error ellipse: s-maj=17.3km s-min=7.3km az=158.0.

ISC	**XII**	**25 18 18 50.5–1.6**	**39.25N–.05**	**74.66E–.04**	**14–10**	**3.7b**	**51**	**1-84**
KRNET	XII	25 18 18 50.4–.10	39.48N	74.79E		3.4b		¶602060551
NNC	XII	25 18 18 52.8–2.9	39.58N	74.72E	0	4.0b,3.7		
IDC	XII	25 18 18 56.8–3.9	39.41N	74.80E	63–32	3.6,3.5		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=7.7km az=170.0.
IDC Error ellipse: s-maj=28.0km s-min=20.0km az=24.0.

ISC	**XII**	**25 23 09 31.5–.64**	**39.49N–.03**	**74.73E–.02**	**12–3**	**4.4b**	**312**	**1-92**
ISCJB	XII	25 23 09 29.5–.92	39.32N–.02	74.82E–.03	10–6	4.3b		¶602058480
IDC	XII	25 23 09 29.2–.55	39.38N	74.83E	0	4.4,4.3b		
BJI	XII	25 23 09 30.5	39.46N	74.76E	15	4.4b,4.2L		
NEIC	XII	25 23 09 31.1–.31	39.37N	74.78E	10	4.5b,4.2L		
KRNET	XII	25 23 09 33.3–.10	39.65N	74.76E		4.6b,4.2L		
SOME	XII	25 23 09 33.2	39.50N	74.85E	20	4.6b,4.2L		
NNC	XII	25 23 09 36.4–2.8	39.75N	74.67E	8–14	4.7b,4.3		
MOS	XII	25 23 09 36.4–1.0	39.56N	74.81E	62	4.5b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=140.6.
IDC Error ellipse: s-maj=11.6km s-min=10.1km az=121.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.8km az=155.0.
NNC Event type se. Error ellipse: s-maj=26.7km s-min=8.4km az=165.0.
MOS Error ellipse: s-maj=6.7km s-min=4.8km az=99.2.

ISC	**XII**	**25 23 52 02.7–1.3**	**39.36N–.03**	**74.67E–.03**	**0–9**	**3.8b**	**126**	**1-84**
IDC	XII	25 23 52 02.0–.92	39.31N	74.80E	0	4.0,3.8		¶602058847
BJI	XII	25 23 52 04.6	39.46N	74.77E	6	3.6L,3.8		
SOME	XII	25 23 52 04.8	39.57N	74.95E	10	3.6L,3.8		
NEIC	XII	25 23 52 04.0–.41	39.33N	74.74E	10	4.1b,3.8		
NNC	XII	25 23 52 05.6–3.2	39.14N	74.23E	0	4.1b,3.9		
KRNET	XII	25 23 52 06.6–.10	39.60N	74.73E		3.8b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=15.1km az=95.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.2km az=137.0.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=11.0km az=14.0.

ISC	**XII**	**26 01 36 34.4–1.5**	**39.51N–.04**	**74.69E–.03**	**0–9**	**3.7b**	**84**	**1-84**
IDC	XII	26 01 36 32.6–.87	39.33N	74.73E	0	4.5s,4.5		¶602058848
BJI	XII	26 01 36 34.7	39.45N	74.77E	9	3.6L,3.5b		
NNC	XII	26 01 36 36.2–1.6	39.06N	74.20E	6–15	4.3b,3.9		
KRNET	XII	26 01 36 37.0–.10	39.61N	74.75E		3.8b,3.9		
SOME	XII	26 01 36 37.4	39.57N	74.92E	15	3.8b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=12.3km az=92.0.
NNC Event type se. Error ellipse: s-maj=21.8km s-min=8.5km az=53.0.

ISC	**XII**	**26 11 50 22.3–1.8**	**39.52N–.08**	**74.59E–.04**	**10**		**46**	**1-5**
KRNET	XII	26 11 50 18.9–.10	39.39N	74.75E		3.0b		¶602060647
SOME	XII	26 11 50 18.1	39.43N	74.83E	0	3.0b		
NNC	XII	26 11 50 20.5–1.4	39.44N	74.68E	0	3.5b,3.1		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=172.0.

ISC	**XII**	**29 06 39 04.3–.49**	**37.09N–.03**	**78.94E–.05**	**17**	**4.0b**	**63**	**3-80**
IDC	XII	29 06 39 00.1–.77	36.86N	78.66E	0	3.9,3.7		¶602064210
ISCJB	XII	29 06 39 02.4–.27	36.97N–.02	78.99E–.05	17	3.9b,3.2s		
BJI	XII	29 06 39 02.7	37.00N	78.80E	10	4.0L,3.9b		
NNC	XII	29 06 39 03.2–3.3	36.99N	78.92E	0	4.4b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=13.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=179.6.
NNC Event type se. Error ellipse: s-maj=25.3km s-min=17.6km az=174.0.

ISC	**XII**	**29 09 10 41.4–1.4**	**39.86N–.04**	**74.31E–.03**	**9–10**	**3.8b**	**94**	**1-84**
IDC	XII	29 09 10 38.2–.98	39.47N	74.21E	0	3.9,3.7		¶602064211
SOME	XII	29 09 10 41.9	39.72N	74.37E	15	3.9,3.7		
KRNET	XII	29 09 10 41.1–.10	39.68N	74.31E	16	3.8b,3.7		
NNC	XII	29 09 10 42.8–2.0	39.77N	74.24E	1–8	4.1b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=16.7km az=83.0.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=7.2km az=163.0.

ISC	**XII**	**30 11 04 21.3–1.2**	**39.94N–.06**	**75.39E–.03**	**10**		**80**	**1-8**
KRNET	XII	30 11 04 19.0–.10	39.83N	75.40E		3.4b		¶602069087
SOME	XII	30 11 04 18.9	39.87N	75.40E	0	3.4b		
NNC	XII	30 11 04 22.3–1.4	39.86N	75.24E	0	3.7b,3.4		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=4.0km az=159.0.

ISC	**XII**	**30 11 27 47.2–1.3**	**39.48N–.06**	**74.28E–.03**	**10**		**80**	**1-11**
ISCJB	XII	30 11 27 46.8–.90	39.42N–.05	74.25E–.04	10			¶602069089
SOME	XII	30 11 27 46.7	39.68N	74.33E	10			
KRNET	XII	30 11 27 46.2–.10	39.49N	74.21E		3.8b		
NNC	XII	30 11 27 49.8–1.8	39.79N	74.19E	0	4.0b,3.5		
BJI	XII	30 11 27 49.2	39.55N	74.22E	21	3.0L,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=166.7.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=6.0km az=1.0.

ISC	**XII**	**30 15 30 44.7–1.2**	**39.86N–.03**	**75.35E–.02**	**8–8**	**3.4b**	**129**	**1-83**
IDC	XII	30 15 30 41.6–1.1	39.64N	75.25E	0	3.7,3.6		¶602068356
SOME	XII	30 15 30 42.6	39.83N	75.48E	5	3.7,3.6		
KRNET	XII	30 15 30 43.9–.10	39.92N	75.37E		3.5b,3.6		
BJI	XII	30 15 30 43.3	39.95N	75.40E	9	3.7b,3.4L		
NNC	XII	30 15 30 45.6–.96	39.85N	75.27E	0	4.2b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=17.2km az=83.0.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=3.0km az=160.0.

(322) Gansu.

ISC	**IX**	**29 03 10 03.1–.73**	**38.56N–.06**	**102.69E–.05**	**10**	**3.0s**	**15**	**2-64**
BJI	IX	29 03 10 02.8	38.57N	102.76E	6	3.7L		¶601767100
IDC	IX	29 03 10 04.4–7.1	38.55N	102.95E	29–54	3.5,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=25.9km az=76.0.

ISC	**X**	**20 19 33 36.9–.76**	**34.98N–.04**	**103.62E–.07**	**10**	**3.8b**	**16**	**1-65**
ISCJB	X	20 19 33 34.9–.58	34.90N–.04	103.71E–.08	10	3.7b,3.2s		¶601840541
IDC	X	20 19 33 35.7–1.0	35.07N	103.91E	0	3.7,3.6b		
BJI	X	20 19 33 38.4	34.94N	103.76E	6	3.5L,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.0km az=172.1.
IDC Error ellipse: s-maj=54.9km s-min=18.2km az=61.0.

ISC	**XI**	**17 11 13 28.7–.73**	**39.57N–.08**	**98.20E–.06**	**10**	**3.6b**	**17**	**1-71**
ISCJB	XI	17 11 13 25.6–.59	39.52N–.06	98.21E–.05	10	3.8b		¶601992472
BJI	XI	17 11 13 27.1	39.49N	98.10E	7	3.6L,3.4s		
IDC	XI	17 11 13 28.0–.96	39.66N	97.95E	0	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.7km az=25.4.
IDC Error ellipse: s-maj=30.3km s-min=18.0km az=73.0.

ISC	**XI**	**17 11 45 58.0–1.2**	**33.1N–.20**	**105.1E–.20**	**35**	**3.7b**	**10**	**15-63**
IDC	XI	17 11 45 52.8–1.0	33.00N	104.98E	0	3.7b,3.7		¶601992483
ISCJB	XI	17 11 45 55.5–.85	33.1N–.10	105.1E–.10	33	3.7b,3.5s		

ISC Event type ke.
ISCJB Event type ke.

IDC	**XI**	**25 16 23 12.2–4.4**	**36.62N**	**108.84E**	**0**	**3.6,3.4**		
								¶602389982

IDC Error ellipse: s-maj=365.6km s-min=22.6km az=49.0.

(323) Western Nei Mongol.

ISC	**VII**	**06 03 44 40.4–1.2**	**39.0N–.10**	**110.7E–.20**	**10**	**3.7b**	**8**	**9-73**
ISCJB	VII	06 03 44 38.4–1.1	39.0N–.10	110.8E–.30	10	3.6b		¶601246196
IDC	VII	06 03 44 38.8–1.2	38.98N	110.72E	0	3.9,3.7		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=28.8km s-min=15.5km az=164.9.
IDC Error ellipse: s-maj=33.7km s-min=21.2km az=70.0.
BJI VII 19 23 03 35.3 42.03N 97.01E 5 3.5L ¶601451953
IDC VII 26 03 42 18.6–4.5 39.43N 110.32E 0 3.8,3.6 ¶601666452
IDC Error ellipse: s-maj=92.1km s-min=24.9km az=85.0.
ISC VIII 03 19 10 59.2–.95 40.91N–.06 103.61E–.07 10 14 3-70
ISCJB VIII 03 19 10 56.3–.75 40.88N–.05 103.61E–.09 10 3.2b ¶601520213
IDC VIII 03 19 11 01.4–1.4 41.28N 103.25E 0 3.4,3.4
BJI VIII 03 19 11 01.0 40.95N 103.47E 8 3.9L,3.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.9km az=2.1.
IDC Error ellipse: s-maj=32.7km s-min=22.1km az=68.0.
IDC VIII 06 20 48 16.6–5.6 39.04N 110.56E 0 3.5,3.3 ¶601534053
IDC Error ellipse: s-maj=117.9km s-min=25.6km az=85.0.
ISC VIII 11 03 14 27.5–1.5 39.1N–.10 110.7E–.20 35 3.7b 10 9-61
IDC VIII 11 03 14 21.6–1.5 38.99N 110.81E 0 3.9,3.7 ¶601554049
ISCJB VIII 11 03 14 25.5–1.3 39.2N–.10 110.8E–.30 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
BJI VIII 29 19 20 54.4 40.05N 103.30E 6 3.5L ¶601645617
ISC IX 27 13 59 50.1–.65 39.58N–.05 105.83E–.04 10 3.6b 20 3-68
ISCJB IX 27 13 59 45.5–.51 39.56N–.04 105.97E–.05 10 3.4b ¶601751832
IDC IX 27 13 59 46.5–1.1 39.51N 105.87E 0 3.6,3.5
BJI IX 27 13 59 50.7 39.52N 105.70E 6 3.9L,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=142.9.
IDC Error ellipse: s-maj=37.0km s-min=16.7km az=70.0.
IDC X 10 07 37 28.9–6.0 39.44N 110.55E 0 3.5,3.4 ¶601997729
IDC Error ellipse: s-maj=128.4km s-min=29.5km az=85.0.
ISC X 20 04 52 35.9–.83 39.09N–.05 110.71E–.10 10 3.7b 16 5-66
IDC X 20 04 52 34.1–.93 39.13N 110.95E 0 3.9,3.7 ¶601999010
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=14.9km az=56.0.
ISC X 20 10 17 51.3–1.2 39.2N–.10 106.3E–.20 35 3.4b 6 9-68
IDC X 20 10 17 46.5–1.1 39.17N 106.45E 0 3.5,3.4 ¶601840502
ISCJB X 20 10 17 48.8–.95 39.2N–.10 106.4E–.30 33 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC X 24 20 28 47.8–5.7 39.43N 110.75E 0 3.5,3.4 ¶601999526
IDC Error ellipse: s-maj=119.4km s-min=24.7km az=84.0.
IDC X 26 06 46 56.1–5.0 39.38N 110.63E 0 3.9,3.8 ¶601999714
IDC Error ellipse: s-maj=107.4km s-min=23.5km az=85.0.
ISC XI 03 13 23 39.1–1.3 39.4N–.10 110.4E–.30 35 3.6b 11 9-66
IDC XI 03 13 23 34.3–1.3 39.23N 110.29E 0 3.8,3.6b ¶601871891
ISCJB XI 03 13 23 36.6–1.1 39.46N–.09 110.6E–.20 33 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
IDC XI 06 08 21 38.8–1.3 38.33N 110.02E 0 3.8,3.5 ¶601880447
IDC Error ellipse: s-maj=49.3km s-min=20.0km az=56.0.
ISC XI 20 02 24 24.2–.29 38.48N–.03 106.30E–.03 10 4.5b,3.9s 241 3-148
ISCJB XI 20 02 24 21.8–.17 38.45N–.02 106.29E–.03 10 4.4b,3.9s ¶601993074
IDC XI 20 02 24 21.8–.50 38.42N 106.24E 0 4.3,4.2
MOS XI 20 02 24 24.6–.94 38.47N 106.37E 31 4.7b,4.2
NEIC XI 20 02 24 25.9–1.2 38.48N 106.27E 23–9 4.8L,4.6b
BJI XI 20 02 24 25.3 38.43N 106.34E 21 4.9b,4.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=26.8.
IDC Error ellipse: s-maj=14.5km s-min=11.1km az=43.0.
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=109.8.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=220.0. Felt [IV] at Yinchuan. Also felt at Dawukou.
ISC XI 22 14 24 29.6–.80 39.46N–.08 110.08E–.08 10 3.9b 20 1-88
ISCJB XI 22 14 24 28.1–.55 39.46N–.05 110.0E–.10 10 4.0b ¶602060006
IDC XI 22 14 24 28.1–2.0 39.44N 110.09E 0 4.1,4.0
NEIC XI 22 14 24 29.4–.49 39.46N 110.09E 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.0km az=176.4.
IDC Error ellipse: s-maj=45.6km s-min=22.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.7km az=84.0.
ISC XI 26 10 20 49.1–.60 39.20N–.05 106.01E–.04 10 3.9b 25 3-68
ISCJB XI 26 10 20 46.5–.54 39.07N–.04 105.81E–.05 10 3.6b ¶601994531
IDC XI 26 10 20 47.0–.90 39.01N 105.87E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.4km az=44.8.
IDC Error ellipse: s-maj=32.5km s-min=15.5km az=53.0.
ISC XII 02 04 11 59.6–1.3 39.1N–.10 106.0E–.20 35 3.5b 7 9-68
IDC XII 02 04 11 54.5–1.4 39.08N 106.09E 0 3.6,3.5b ¶601995744
ISCJB XII 02 04 11 57.2–1.1 39.2N–.10 106.1E–.30 33 3.5b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 02 18 42 50.7–.60 37.37N–.04 105.96E–.04 10 3.6b 24 2-75
ISCJB XII 02 18 42 47.4–.51 37.36N–.05 106.15E–.07 10 3.5b,3.3s ¶601995852
IDC XII 02 18 42 48.9–.87 37.41N 106.09E 0 3.6,3.4L
BJI XII 02 18 42 51.8 37.41N 105.95E 5 3.6L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.2km az=138.9.
IDC Error ellipse: s-maj=31.0km s-min=16.4km az=74.0.
BJI XII 03 23 27 01.0 38.44N 106.16E 8 3.6L ¶601996628
IDC XII 27 21 58 08.4–2.7 39.30N 110.71E 0 3.5,3.4 ¶602380735
IDC Error ellipse: s-maj=48.2km s-min=39.2km az=25.0.

(324) Kashmir-Xinjiang border region.

ISC VII 26 03 30 18.1–2.0 36.9N–.10 77.22E–.09 100 3.8b 24 3-46
IDC VII 26 03 30 12.6–10 37.30N 76.18E 0 3.8b,3.7 ¶601483853
NNC VII 26 03 30 18.8–3.4 36.94N 77.01E 217–55 3.4,2.3b
ISC Event type se.
IDC Error ellipse: s-maj=194.4km s-min=34.8km az=141.0.
NNC Event type se. Error ellipse: s-maj=34.6km s-min=21.4km az=141.0.
ISC IX 04 07 47 08.2–.34 36.96N–.04 78.81E–.04 17 4.5b 196 3-149
IDC IX 04 07 47 04.3–.55 36.77N 78.75E 0 4.4,4.3 ¶601673760
BJI IX 04 07 47 06.9 37.05N 78.77E 7 4.8L,4.7b
ISCJB IX 04 07 47 06.3–.17 36.90N–.02 78.84E–.03 17 4.5b,4.7b
NNC IX 04 07 47 08.6–2.4 37.10N 78.83E 4–7 4.7b,4.5
MOS IX 04 07 47 08.8–1.2 36.95N 78.76E 36 4.5b,4.5
NEIC IX 04 07 47 11.0–.61 36.89N 78.79E 41–5 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=11.4km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=163.8.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=9.8km az=165.0.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=102.1.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=209.0.
ISC IX 09 21 20 33.1–.27 36.88N–.03 78.71E–.03 10 4.7b,3.9s 485 3-149
ISCJB IX 09 21 20 31.6–.13 36.89N–.02 78.74E–.02 10 4.6b,3.9s ¶601697114
IDC IX 09 21 20 31.1–.41 36.80N 78.68E 0 4.6,4.5
NNC IX 09 21 20 32.0–1.3 36.88N 78.83E 0 5.0b,4.8
NEIC IX 09 21 20 33.5–1.6 36.82N 78.72E 14–10 4.8b,4.8
BJI IX 09 21 20 34.0 37.04N 78.77E 10 4.8L,4.5b
MOS IX 09 21 20 35.5–1.2 36.95N 78.73E 37 4.9b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.1km az=155.6.
IDC Error ellipse: s-maj=11.6km s-min=9.9km az=14.0.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=7.9km az=155.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=200.0.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=118.6.
ISC XI 08 21 01 48.8–.74 36.75N–.07 76.88E–.10 10 17 4-40
NNC XI 08 21 01 42.7–5.9 36.49N 77.32E 0 4.0b,3.6 ¶601884961
IDC XI 08 21 01 50.5–1.8 37.04N 77.14E 0 3.6,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.2km s-min=18.6km az=166.0.
IDC Error ellipse: s-maj=43.4km s-min=19.7km az=64.0.
NNC XI 21 04 45 46.4–10 36.87N 77.38E 0 3.6b,3.3 ¶601993348
NNC Event type se. Error ellipse: s-maj=131.0km s-min=72.4km az=49.0.

(325) Qinghai.

ISC VII 09 14 59 41.2–1.0 33.8N–.10 97.0E–.20 10 3.6b 8 6-67
ISCJB VII 09 14 59 39.1–.75 33.8N–.10 96.9E–.20 10 3.4b ¶601255473
IDC VII 09 14 59 39.1–1.2 33.76N 96.82E 0 3.8L,3.6
BJI VII 09 14 59 42.8 33.88N 96.86E 6 3.2L,3.2s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.2km s-min=10.9km az=150.4.
IDC Error ellipse: s-maj=44.1km s-min=19.8km az=59.0.
ISC VII 24 03 10 19.8–.83 37.6N–.10 92.0E–.10 10 4.0b 31 6-98
IDC VII 24 03 10 17.8–.83 37.55N 92.23E 0 4.0L,3.9 ¶601465925
BJI VII 24 03 10 19.7 37.57N 92.30E 5 3.6L,3.9
NEIC VII 24 03 10 19.2–.41 37.71N 92.38E 10 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=17.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.6km az=220.0.
ISC VII 28 09 02 19.8–1.1 35.4N–.10 102.66E–.06 10 3.6b,3.0s 16 1-55
ISCJB VII 28 09 02 15.8–.90 35.25N–.07 102.68E–.05 10 3.5b,3.0s ¶601485508
IDC VII 28 09 02 16.5–7.9 35.19N 102.53E 0 3.6,3.6
BJI VII 28 09 02 19.9 35.29N 102.56E 8 4.0b,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.2km az=16.7.
IDC Error ellipse: s-maj=132.5km s-min=69.5km az=156.0.
ISC VIII 27 01 42 25.4–.57 35.31N–.05 98.95E–.05 10 3.8b,3.2s 32 4-91
ISCJB VIII 27 01 42 22.0–.46 35.21N–.05 98.98E–.05 10 3.8b,3.2s ¶601627724
IDC VIII 27 01 42 22.2–.71 35.08N 99.03E 0 3.9L,3.8
BJI VIII 27 01 42 23.8 35.24N 99.08E 7 4.2b,4.0L
NEIC VIII 27 01 42 23.7–.50 35.18N 99.07E 10 4.2b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.6km az=29.3.
IDC Error ellipse: s-maj=23.7km s-min=14.4km az=39.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.6km az=57.0.
IDC IX 01 20 47 07.9–11 38.47N 91.00E 0 3.5,3.5 ¶601673609
IDC Error ellipse: s-maj=151.6km s-min=48.6km az=13.0.
ISC IX 27 12 38 41.5–.58 37.60N–.04 95.80E–.04 22–6 4.6b 241 4-98
IDC IX 27 12 38 37.7–.52 37.51N 95.92E 0 4.4,4.3 ¶601751147
ISCJB IX 27 12 38 39.5–1.2 37.57N–.03 95.85E–.03 22–9 4.5b,3.5s
MOS IX 27 12 38 39.9–1.1 37.55N 95.85E 24 4.7b,3.5s
BJI IX 27 12 38 39.4 37.56N 95.82E 15 4.6b,4.5b
NEIC IX 27 12 38 41.6–1.2 37.59N 95.84E 23–8 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=11.5km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=35.7.
MOS Error ellipse: s-maj=7.4km s-min=4.8km az=118.9.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=217.0.
ISC X 13 07 08 39.9–.29 37.61N–.04 95.79E–.03 12 4.7b 257 4-169
ISCJB X 13 07 08 37.9–.16 37.60N–.02 95.74E–.03 12 4.5b ¶601833167
IDC X 13 07 08 37.1–.55 37.61N 95.83E 0 4.4,4.3
BJI X 13 07 08 38.7 37.52N 95.77E 11 4.8b,4.5b
NEIC X 13 07 08 39.2–.16 37.56N 95.73E 10 4.8b,4.5b
MOS X 13 07 08 40.8–.93 37.59N 95.77E 34 4.7b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.8km az=39.6.
IDC Error ellipse: s-maj=18.4km s-min=12.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=46.0.
MOS Error ellipse: s-maj=7.8km s-min=5.5km az=109.9.
BJI X 18 14 37 36.8 33.08N 99.77E 9 3.5L ¶601838846
ISC X 20 01 01 31.1–1.1 38.9N–.10 99.6E–.10 10 7 4-49
ISCJB X 20 01 01 28.4–.93 38.9N–.10 99.7E–.20 10 4.4b,2.9s ¶601839523
IDC X 20 01 01 31.0–6.6 39.12N 99.65E 0 4.3b,3.7
BJI X 20 01 01 34.5 38.97N 99.49E 7 3.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=6.8km az=41.8.
IDC Error ellipse: s-maj=99.6km s-min=35.9km az=147.0.
ISC XI 03 08 40 53.8–.55 38.77N–.08 93.07E–.04 10 4.1b 64 5-152
ISCJB XI 03 08 40 52.0–.36 38.85N–.05 93.16E–.05 10 3.9b ¶601869844
IDC XI 03 08 40 52.5–.59 38.85N 93.18E 0 4.1,4.0
NEIC XI 03 08 40 55.9–1.7 38.87N 93.17E 23–12 4.0b,4.0
BJI XI 03 08 40 56.7 38.88N 93.25E 9 3.8L,3.5
NNC XI 03 08 40 58.9–5.6 38.73N 92.46E 0 4.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=27.4.
IDC Error ellipse: s-maj=22.2km s-min=13.0km az=43.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=213.0.
NNC Event type se. Error ellipse: s-maj=52.9km s-min=44.4km az=15.0.
ISC XI 16 21 25 01.2–.50 32.25N–.05 96.35E–.06 10 3.8b 44 5-87
ISCJB XI 16 21 24 59.0–.35 32.28N–.03 96.48E–.06 10 3.8b ¶601909892
NDI XI 16 21 24 58.7–2.6 32.48N 96.69E 10 4.0b,3.9L
IDC XI 16 21 24 59.3–.69 32.33N 96.50E 0 3.9,3.8
NEIC XI 16 21 25 01.0–.37 32.34N 96.47E 10 4.0b,3.8
BJI XI 16 21 25 02.0 32.22N 96.34E 5 3.7b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=17.7.
NDI Error ellipse: s-maj=11.1km s-min=23.3km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=13.6km az=53.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=76.0.
ISC XI 17 07 35 54.3–1.1 38.4N–.10 91.1E–.20 35 3.5b 10 11-82
IDC XI 17 07 35 49.1–.96 38.12N 91.08E 0 3.8L,3.7 ¶601992402
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=17.6km az=55.0.
ISC XI 17 07 39 27.1–.95 38.2N–.10 91.0E–.10 35 3.9b 19 6-151
IDC XI 17 07 39 21.8–.81 38.18N 91.10E 0 3.9,3.8 ¶601909905
ISCJB XI 17 07 39 24.9–.74 38.21N–.09 91.1E–.10 33 3.8b,3.8
BJI XI 17 07 39 28.0 38.21N 91.10E 19 3.7L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=18.2km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=9.6km az=146.4.
IDC XI 18 05 23 20.5–1.3 37.04N 93.65E 0 3.9,3.7 ¶601992639
IDC Error ellipse: s-maj=239.7km s-min=18.4km az=53.0.
IDC XII 02 23 13 33.6–1.5 33.17N 96.02E 0 3.7,3.5 ¶601995880
IDC Error ellipse: s-maj=75.8km s-min=23.8km az=60.0.
IDC XII 20 20 42 35.6–1.6 36.50N 97.44E 0 3.8b,3.7 ¶602057335
IDC Error ellipse: s-maj=62.7km s-min=26.7km az=56.0.
IDC XII 26 20 00 29.2–1.2 33.06N 96.43E 0 3.5,3.5L ¶602064083
IDC Error ellipse: s-maj=69.6km s-min=18.8km az=64.0.
ISC XII 27 10 35 18.7–1.0 38.1N–.20 91.2E–.20 35 3.9b 14 11-78
IDC XII 27 10 35 14.1–1.0 38.13N 91.72E 0 3.9,3.7 ¶602064166
ISCJB XII 27 10 35 16.2–.81 38.2N–.10 91.3E–.20 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.

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NNC VII 03 21 56 57.1–2.1 50.21N 87.68E 0 3.6b,3.2
¶601352128

NNC Event type se. Error ellipse: s-maj=19.8km s-min=10.3km az=106.0.
IDC VII 06 11 20 45.8–2.7 54.12N 86.35E 0 2.7,2.7
¶601663540

IDC Error ellipse: s-maj=21.3km s-min=13.4km az=54.0.
IDC VII 07 06 08 10.9–3.1 53.74N 88.02E 0 2.9,2.9
¶601663576

IDC Error ellipse: s-maj=28.5km s-min=19.1km az=84.0.
IDC VII 09 18 46 04.2–719 50.89N 85.54E 0
¶601664345

IDC Error ellipse: s-maj=309.8km s-min=66.9km az=170.0.
IDC VII 11 02 14 20.0–3.2 53.53N 87.74E 0 2.7,2.7
¶601664413

IDC Error ellipse: s-maj=25.2km s-min=15.2km az=63.0.
IDC VII 12 09 40 18.4–3.3 53.68N 88.10E 0 3.0,3.0
¶601664474

IDC Error ellipse: s-maj=29.3km s-min=18.5km az=54.0.

ISC	**VII**	**12 18 28 57.9–3.5**	**50.33N–.09**	**86.1E–.20**	**10**		**11**	**3-7**	
SOME	VII	12 18 28 53.7	50.48N	86.43E	5				**¶601472343**
NNC	VII	12 18 29 02.3–2.5	50.25N	87.47E	0	3.5b,3.1			

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.9km s-min=13.4km az=47.0.

IDC	**VII**	**17 10 06 40.0–3.0**	**53.40N**	**87.66E**	**0**	**2.8,2.8**			
KRAR	VII	17 10 06 33.8–.22	53.54N	87.63E		1.9,2.8			**¶601664717**

IDC Error ellipse: s-maj=27.3km s-min=17.0km az=62.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

ISC	**VII**	**21 00 15 53.2–.55**	**50.19N–.04**	**87.90E–.03**	**11**	**4.2s,3.6b**	**80**	**0-100**	
ISCJB	VII	21 00 15 52.0–.41	50.26N–.03	87.93E–.05	11	4.1s,3.7b			**¶601506025**
IDC	VII	21 00 15 51.1–1.1	50.22N	88.08E	0	4.0,4.0s			
MOS	VII	21 00 15 52.8–1.7	50.09N	87.80E	13	4.0b,4.0s			
NNC	VII	21 00 15 55.0–4.0	50.09N	87.63E	0	4.2b,3.9			
ASRS	VII	21 00 15 55.7–.96	50.21N	87.84E	15	3.5s,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=138.5.
IDC Error ellipse: s-maj=14.4km s-min=12.7km az=100.0.
MOS Error ellipse: s-maj=9.2km s-min=7.0km az=97.6.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=19.1km az=68.0.
IDC VII 21 06 41 18.4–3.8 53.77N 88.24E 0 2.6,2.6
¶601664910

IDC Error ellipse: s-maj=36.1km s-min=20.6km az=42.0.
IDC VII 25 05 35 11.2–3.4 53.66N 90.74E 0 3.2,3.2
KRAR VII 25 05 35 07.0–.17 53.73N 90.91E 2.7,3.2 **¶601666403**
IDC Error ellipse: s-maj=28.0km s-min=23.6km az=67.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC VII 25 08 20 20.8–3.3 53.61N 87.88E 0 3.1,3.1
¶601666409

IDC Error ellipse: s-maj=34.2km s-min=21.3km az=79.0.
IDC VII 25 08 26 17.3–3.0 53.51N 87.64E 0 3.2,3.2
KRAR VII 25 08 26 15.0–.08 53.60N 87.67E 2.3,3.2 **¶601666410**
IDC Error ellipse: s-maj=31.8km s-min=17.0km az=86.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC VII 26 08 13 33.4–2.8 54.00N 86.51E 0 3.2,3.2
¶601666470

IDC Error ellipse: s-maj=24.9km s-min=15.2km az=46.0.

ISC	**VII**	**27 03 58 13.8–.27**	**51.71N–.03**	**95.98E–.03**	**10**	**4.7b,4.2s**	**393**	**2-148**	
BJI	VII	27 03 58 09.5	51.79N	95.82E	6	5.2L,5.0s			**¶601475836**
IDC	VII	27 03 58 11.4–.46	51.63N	96.07E	0	4.4,4.3			
ISCJB	VII	27 03 58 12.1–.14	51.62N–.02	95.97E–.03	10	4.6b,4.2s			
MOS	VII	27 03 58 12.3–1.1	51.49N	96.01E	16	4.8b,4.3s			
GCMT	VII	27 03 58 13.3–.20	51.73N	96.03E	18–1	4.9W,4.3s			
NEIC	VII	27 03 58 13.3–.18	51.57N	95.98E	10	4.7b,4.3s			
ASRS	VII	27 03 58 13.2–1.9	51.84N	95.85E	15	4.8s,4.3s			
NNC	VII	27 03 58 16.1–3.6	51.52N	95.49E	0	5.1,5.0b			

ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=7.6km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=20.6.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=29.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s12,c15; s83,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.11 $M_{\theta\theta}$-0.82±.10; $M_{\phi\phi}$0.93±.09; $M_{r\theta}$1.09±.25; $M_{\theta\phi}$2.02±.07; $M_{\phi r}$0.23±.19; Best double couple: NP1:ϕ_s258.00000°,δ89.00000°,λ-27.00000°. NP2:ϕ_s348.00000°,δ63.00000°,λ-178.00000°. Principal axes: T 2.5100,Plg18.0000°,Azm306.0000°; N -0.0830,Plg63.0000°,Azm75.0000°; P -2.4270,Plg20.0000°,Azm210.0000° $M_0$2.46900×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.3km az=180.0.
NNC Event type se. Error ellipse: s-maj=34.9km s-min=27.1km az=82.0.

MOS	**VII**	**27 10 31 56.1–1.0**	**51.75N**	**96.15E**	**18**	**4.1b**			
									¶605299906

MOS Error ellipse: s-maj=37.3km s-min=23.9km az=6.4.
IDC VII 29 06 34 34.3–2.4 54.21N 85.93E 0 2.8,2.8
¶601666610

IDC Error ellipse: s-maj=18.3km s-min=11.4km az=51.0.

ISC	**VII**	**30 22 30 43.6–.37**	**50.65N–.02**	**87.34E–.02**	**15–2**	**4.9b,4.5s**	**1011**	**0-162**	
ISCJB	VII	30 22 30 40.0–.48	50.64N–.01	87.35E–.02	3–3	4.8b,4.5s			**¶601497413**
IDC	VII	30 22 30 40.7–.34	50.63N	87.49E	0	4.7,4.6			
MOS	VII	30 22 30 41.4–1.1	50.54N	87.35E	13	5.1b,4.6s			
BJI	VII	30 22 30 41.2	50.62N	87.35E	14	5.8L,5.4s			
ASRS	VII	30 22 30 42.5–.55	50.59N	87.39E	15	5.1s,5.4s			
GCMT	VII	30 22 30 44.1–.20	50.61N	87.36E	26–0	5.1W,5.4s			
NEIC	VII	30 22 30 44.1–1.6	50.63N	87.34E	19–9	4.9b,5.4s			
NNC	VII	30 22 30 45.3–2.4	50.63N	86.85E	0	5.9,5.8b			
SOME	VII	30 22 30 53.8	50.12N	87.60E	15	5.9,5.8b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=156.1.
IDC Error ellipse: s-maj=8.2km s-min=6.8km az=174.0.
MOS Error ellipse: s-maj=4.9km s-min=3.9km az=124.1.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s60,c77; s107,c195; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.14 $M_{\theta\theta}$-5.63±.11; $M_{\phi\phi}$5.13±.11; $M_{r\theta}$-1.24±.24; $M_{\theta\phi}$1.31±.09; $M_{\phi r}$-0.69±.21; Best double couple: NP1:ϕ_s52.00000°,δ90.00000°,λ-14.00000°. NP2:ϕ_s142.00000°,δ76.00000°,λ-180.00000°. Principal axes: T 5.4310,Plg10.0000°,Azm98.0000°; N 0.5590,Plg76.0000°,Azm231.0000°; P -5.9930,Plg10.0000°,Azm6.0000° $M_0$5.71200×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=176.0. Felt at Abaza and Biysk.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=12.1km az=77.0.
NNC VII 30 22 52 48.6–4.6 50.85N 86.94E 0 3.8b,3.4
¶601553771

NNC Event type se. Error ellipse: s-maj=38.4km s-min=20.2km az=94.0.
IDC VII 31 08 04 44.9–4.3 55.47N 86.34E 0 2.8,2.8
¶601650810

IDC Error ellipse: s-maj=40.4km s-min=25.7km az=29.0.

ISC	**VII**	**31 17 16 45.6–.55**	**51.94N–.09**	**96.19E–.04**	**10**	**4.5b**	**58**	**2-49**	
IDC	VII	31 17 16 43.9–1.4	51.79N	96.30E	0	3.9,3.9s			**¶601556882**
MOS	VII	31 17 16 44.9–2.8	51.72N	96.11E	10	4.2b,3.9s			
NNC	VII	31 17 16 46.6–4.0	51.70N	95.97E	0	4.0b,3.9s			
NEIC	VII	31 17 16 49.0–.49	52.35N	95.46E	10	4.4b,3.9s			

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.0km az=171.0.
MOS Error ellipse: s-maj=13.6km s-min=8.5km az=173.9.
NNC Event type se. Error ellipse: s-maj=58.6km s-min=29.9km az=0.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.1km az=180.0.
IDC VIII 01 08 31 38.9–3.4 53.15N 88.90E 0 2.9,2.9
¶601765305

IDC Error ellipse: s-maj=35.2km s-min=19.9km az=91.0.
IDC VIII 01 08 44 26.3–3.2 53.71N 88.16E 0 2.8,2.8
¶601765306

IDC Error ellipse: s-maj=28.9km s-min=19.2km az=85.0.
IDC VIII 01 08 47 31.9–2.5 53.55N 87.80E 0 3.5,3.5
¶601765307

IDC Error ellipse: s-maj=23.3km s-min=14.9km az=72.0.
IDC VIII 03 04 46 13.2–5.3 55.49N 86.31E 0 3.1,3.1
¶601765381

IDC Error ellipse: s-maj=59.0km s-min=23.4km az=45.0.
NNC VIII 03 16 08 49.4–1.3 50.65N 87.12E 0 3.9b,3.5
¶601564493

NNC Event type se. Error ellipse: s-maj=13.3km s-min=4.5km az=100.0.
IDC VIII 06 09 36 39.8–3.0 53.56N 87.89E 0 2.9,2.9
¶601765545

IDC Error ellipse: s-maj=26.5km s-min=16.1km az=64.0.
IDC VIII 06 09 56 17.5–2.7 53.54N 87.79E 0 3.3,3.3
¶601765547

IDC Error ellipse: s-maj=22.9km s-min=15.2km az=62.0.
NNC VIII 06 12 22 08.3–3.2 50.60N 86.88E 0 3.6b,3.2
¶601566282

NNC Event type se. Error ellipse: s-maj=23.6km s-min=13.5km az=65.0.
IDC VIII 06 19 38 58.0–731 50.72N 85.57E 0
¶601765571

IDC Error ellipse: s-maj=314.1km s-min=66.7km az=170.0.
IDC VIII 08 09 19 03.3–2.4 53.56N 86.77E 0 2.8,2.8
¶601765643

IDC Error ellipse: s-maj=21.8km s-min=13.1km az=75.0.

ISC	**VIII**	**08 23 42 18.6–.59**	**51.48N–.05**	**93.00E–.03**	**10**		**24**	**1-33**	
NNC	VIII	08 23 42 20.7–1.7	51.04N	93.05E	0	3.9b,3.6			**¶601610382**
MOS	VIII	08 23 42 21.2–2.6	51.43N	92.94E	15	4.3b,3.6			
ASRS	VIII	08 23 42 21.2–1.4	51.43N	92.94E	8	3.7s,3.6			

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=10.8km az=34.0.
MOS Error ellipse: s-maj=14.5km s-min=10.7km az=178.0.
IDC VIII 09 05 38 26.0–2.9 53.65N 88.01E 0 3.2,3.2
¶601765684

IDC Error ellipse: s-maj=24.0km s-min=16.5km az=60.0.
IDC VIII 09 08 33 55.2–2.8 53.61N 87.92E 0 3.1,3.1
¶601765689

IDC Error ellipse: s-maj=24.0km s-min=15.9km az=56.0.
IDC VIII 13 10 06 39.5–2.7 53.50N 87.88E 0 3.4,3.4
¶601765798

IDC Error ellipse: s-maj=27.1km s-min=15.6km az=59.0.
IDC VIII 13 10 11 10.5–2.9 54.06N 87.23E 0 3.1,3.1
¶601765799

IDC Error ellipse: s-maj=26.8km s-min=18.3km az=54.0.

ISC	**VIII**	**13 15 46 35.8–.88**	**51.35N–.06**	**90.29E–.04**	**10**		**32**	**2-32**	
ISCJB	VIII	13 15 46 34.2–.64	51.39N–.04	90.12E–.06	10				**¶601626889**
MOS	VIII	13 15 46 36.6–3.3	51.36N	90.24E	4	4.4b			
NNC	VIII	13 15 46 36.3–7.7	50.97N	90.32E	0	4.1b,3.9			
ASRS	VIII	13 15 46 36.6–1.0	51.36N	90.24E	15	3.3s,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=139.4.
MOS Error ellipse: s-maj=13.0km s-min=12.0km az=122.8.
NNC Event type se. Error ellipse: s-maj=72.2km s-min=50.2km az=58.0.

ISC	**VIII**	**14 06 16 52.9–.64**	**51.30N–.05**	**93.18E–.03**	**10**	**3.5b**	**52**	**0-44**	
MOS	VIII	14 06 16 52.5–1.1	51.31N	93.18E	10	4.0b			**¶601628129**
ASRS	VIII	14 06 16 53.7–.51	51.38N	93.08E	15	3.2s			
NNC	VIII	14 06 16 55.6–5.4	51.04N	92.32E	0	4.2b,3.8			
IDC	VIII	14 06 16 55.9–2.5	51.43N	92.74E	0	3.7,3.7b			

ISC Event type se.
MOS Error ellipse: s-maj=14.4km s-min=9.2km az=29.1.
NNC Event type se. Error ellipse: s-maj=47.4km s-min=25.7km az=147.0.
IDC Error ellipse: s-maj=43.0km s-min=20.6km az=174.0.
IDC VIII 14 09 30 51.7–3.1 53.74N 88.04E 0 2.6,2.6
¶601765827

IDC Error ellipse: s-maj=25.1km s-min=17.5km az=58.0.
IDC VIII 14 09 38 45.6–2.8 53.58N 87.81E 0 3.2,3.2
¶601765829

IDC Error ellipse: s-maj=23.6km s-min=14.8km az=60.0.
IDC VIII 15 07 03 54.3–4.0 53.95N 89.85E 0 3.0,3.0
¶601765869

IDC Error ellipse: s-maj=41.4km s-min=24.0km az=28.0.
IDC VIII 16 06 00 30.7–2.7 55.43N 86.32E 0 3.3,3.3
¶601765919

IDC Error ellipse: s-maj=23.2km s-min=20.2km az=62.0.
IDC VIII 16 07 59 10.8–2.7 53.69N 88.09E 0 3.3,3.3
¶601765922

IDC Error ellipse: s-maj=23.3km s-min=16.3km az=60.0.
IDC VIII 16 08 11 23.4–3.1 53.57N 87.83E 0 2.6,2.6
¶601765924

IDC Error ellipse: s-maj=24.7km s-min=16.3km az=61.0.
IDC VIII 16 09 59 15.6–2.5 53.62N 86.92E 0 2.9,2.9
¶601765930

IDC Error ellipse: s-maj=23.5km s-min=13.0km az=75.0.
IDC VIII 16 10 20 25.4–3.2 53.57N 87.78E 0 3.0,3.0
¶601765933

IDC Error ellipse: s-maj=30.4km s-min=18.3km az=50.0.
IDC VIII 16 13 20 49.8–8.4 54.71N 82.45E 0
¶601765943

IDC Error ellipse: s-maj=48.8km s-min=31.5km az=118.0.
IDC VIII 17 05 36 17.6–2.5 54.14N 86.40E 0 3.0,3.0
¶601765969

IDC Error ellipse: s-maj=19.6km s-min=12.3km az=58.0.

ISC	**VIII**	**17 12 04 46.7–.77**	**51.63N–.07**	**95.95E–.05**	**10**	**3.5b**	**43**	**1-45**	
IDC	VIII	17 12 04 42.8–1.6	51.81N	96.43E	0	3.6b,3.5			**¶601765986**
MOS	VIII	17 12 04 45.0–1.9	51.55N	96.01E	10	4.4b,3.5			
ASRS	VIII	17 12 04 47.2–1.4	51.83N	95.72E	15	3.6s,3.5			

ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=22.3km az=18.0.
MOS Error ellipse: s-maj=12.5km s-min=8.8km az=23.9.
IDC VIII 17 13 06 17.0–9.9 54.80N 82.30E 0
¶601765989

IDC Error ellipse: s-maj=55.3km s-min=29.7km az=119.0.
NNC VIII 18 10 16 41.4–6.2 50.62N 86.67E 0 3.5b,3.1
¶601668060

NNC Event type se. Error ellipse: s-maj=47.8km s-min=26.5km az=55.0.

ISC	**VIII**	**19 03 01 38.6–1.1**	**50.21N–.07**	**87.90E–.09**	**11**	**3.6b**	**28**	**4-144**	
ISCJB	VIII	19 03 01 37.2–.94	50.32N–.05	87.8E–.10	11	3.6b			**¶601669895**
NNC	VIII	19 03 01 40.6–1.9	50.22N	87.56E	0	4.2b,3.9			
IDC	VIII	19 03 01 40.4–6.7	50.16N	88.05E	30–45	3.7,3.7			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=21.9.
NNC Event type se. Error ellipse: s-maj=15.8km s-min=8.9km az=99.0.
IDC Error ellipse: s-maj=38.0km s-min=17.6km az=71.0.
IDC VIII 21 07 40 15.3–2.4 53.59N 86.77E 0 3.2,3.2
¶601766240

IDC Error ellipse: s-maj=22.4km s-min=11.6km az=76.0.
IDC VIII 21 10 03 36.0–1.7 54.65N 83.74E 0 2.9,2.9
¶601766245

IDC Error ellipse: s-maj=15.4km s-min=10.2km az=9.0.
IDC VIII 22 05 45 56.7–3.1 53.46N 87.53E 0 3.3,3.3
¶601766286

IDC Error ellipse: s-maj=28.6km s-min=16.4km az=57.0.
IDC VIII 23 07 42 44.6–3.2 54.10N 87.34E 0 2.9,2.9
¶601766346

IDC Error ellipse: s-maj=29.3km s-min=18.1km az=53.0.
IDC VIII 23 08 52 47.8–2.9 54.04N 87.29E 0 2.8,2.8
¶601766350

IDC Error ellipse: s-maj=25.9km s-min=17.7km az=56.0.
IDC VIII 23 10 55 15.5–2.5 54.66N 83.48E 0 2.6,2.6
¶601766353

IDC Error ellipse: s-maj=20.7km s-min=11.9km az=166.0.
NNC VIII 23 19 01 16.4–1.6 50.68N 86.99E 0 3.6b,3.2 ¶601676516

NNC Event type se. Error ellipse: s-maj=15.6km s-min=7.4km az=101.0.
IDC VIII 24 05 09 08.9–3.6 55.61N 86.29E 0 2.8,2.8 ¶601766384

IDC Error ellipse: s-maj=33.7km s-min=30.1km az=102.0.
IDC VIII 24 06 05 22.4–2.8 53.39N 87.15E 0 2.7,2.7 ¶601766388

IDC Error ellipse: s-maj=26.5km s-min=16.8km az=70.0.
IDC VIII 24 08 00 54.4–3.7 55.43N 86.07E 0 2.7,2.7 ¶601766394

IDC Error ellipse: s-maj=29.1km s-min=26.1km az=27.0.
IDC VIII 27 05 21 12.6–3.0 55.47N 86.33E 0 3.2,3.2 ¶601766538

IDC Error ellipse: s-maj=29.2km s-min=20.8km az=61.0.
IDC VIII 27 09 18 51.0–2.8 53.57N 87.63E 0 3.2,3.2 ¶601766558

IDC Error ellipse: s-maj=23.2km s-min=14.3km az=61.0.

ISC	**VIII**	**28 07 40 35.8–.28**	**51.88N–.04**	**96.09E–.03**	**10**	**4.7b,4.0s**	**366**	**2-148**
NNC	VIII	28 07 40 30.4–4.4	51.46N	96.58E	0	5.0,4.8b		¶601628315
MOS	VIII	28 07 40 32.3–1.2	51.75N	96.10E	2	5.0b,4.5s		
IDC	VIII	28 07 40 33.1–.43	51.73N	96.23E	0	4.5,4.4		
BJI	VIII	28 07 40 33.3	52.04N	95.79E	9	5.0L,4.9b		
ISCJB	VIII	28 07 40 34.2–.15	51.84N–.02	96.02E–.03	10	4.6b,4.1s		
NEIC	VIII	28 07 40 35.1–.14	51.76N	96.11E	10	4.8b,4.1s		
ASRS	VIII	28 07 40 39.2–1.1	51.78N	95.68E	8	4.5s,4.1s		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.3km s-min=33.1km az=70.0.
MOS Error ellipse: s-maj=6.7km s-min=5.2km az=30.3.
IDC Error ellipse: s-maj=10.3km s-min=7.7km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=174.4.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=176.0.
IDC VIII 29 09 54 47.2–3.8 53.72N 88.08E 0 3.2,3.2 ¶601755552

IDC Error ellipse: s-maj=38.3km s-min=19.1km az=47.0.
IDC VIII 30 07 03 52.4–3.5 53.33N 87.48E 0 2.8,2.8 ¶601755603

IDC Error ellipse: s-maj=34.6km s-min=16.4km az=59.0.
IDC VIII 30 08 45 11.1–3.5 55.46N 86.25E 0 2.7,2.7 ¶601755604

IDC Error ellipse: s-maj=28.2km s-min=27.0km az=83.0.

ISC	**IX**	**03 00 59 49.9–.60**	**51.86N–.07**	**95.78E–.03**	**10**	**3.8b**	**46**	**1-82**
ISCJB	IX	03 00 59 48.9–.48	51.81N–.07	95.74E–.06	10	3.7b,3.5s		¶601862829
IDC	IX	03 00 59 48.6–1.5	51.83N	95.99E	0	3.7b,3.6		
MOS	IX	03 00 59 49.9–2.5	51.80N	95.66E	10	4.0b,3.6		
ASRS	IX	03 00 59 53.1–1.2	51.85N	95.75E	15	3.6s,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.9km az=10.7.
IDC Error ellipse: s-maj=26.7km s-min=17.0km az=155.0.
MOS Error ellipse: s-maj=14.5km s-min=8.3km az=9.9.

ISC	**IX**	**03 07 52 29.8–.35**	**51.84N–.04**	**95.91E–.03**	**10**	**4.3b**	**182**	**1-146**
BJI	IX	03 07 52 23.0	52.44N	95.77E	10	4.9L,4.5b		¶601718537
IDC	IX	03 07 52 27.9–.51	51.84N	95.97E	0	4.2,4.1b		
MOS	IX	03 07 52 28.8–.99	51.88N	95.90E	12	4.4b,4.1b		
ISCJB	IX	03 07 52 28.3–.20	51.87N–.03	95.90E–.04	10	4.2b,4.1b		
NEIC	IX	03 07 52 30.0–.16	51.92N	95.94E	10	4.5b,4.1b		
NNC	IX	03 07 52 31.0–3.6	52.10N	95.53E	0	4.2b,4.1b		
ASRS	IX	03 07 52 32.1–1.7	52.03N	95.50E	15	3.5s,4.1b		

ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=9.3km az=4.0.
MOS Error ellipse: s-maj=6.9km s-min=6.0km az=0.6.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=0.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.0km az=192.0.
NNC Event type se. Error ellipse: s-maj=53.2km s-min=32.8km az=140.0.
IDC IX 04 06 25 31.6–2.8 53.42N 87.37E 0 2.7,2.7 ¶601862908

IDC Error ellipse: s-maj=22.8km s-min=13.5km az=68.0.
IDC IX 07 08 39 22.7–2.9 54.06N 87.23E 0 3.1,3.1 ¶601863108

IDC Error ellipse: s-maj=26.2km s-min=17.6km az=53.0.
IDC IX 26 06 17 44.9–2.3 54.56N 83.47E 0 2.8,2.8 ¶601864194

IDC Error ellipse: s-maj=20.3km s-min=11.6km az=161.0.

ISC	**IX**	**30 07 07 13.4–.77**	**52.0N–.20**	**95.82E–.07**	**10**	**3.7b**	**14**	**3-82**
IDC	IX	30 07 07 10.0–1.1	52.43N	96.41E	0	3.8,3.7		¶601857526
ISCJB	IX	30 07 07 12.2–.67	51.8N–.20	95.8E–.10	10	3.6b,3.7		
MOS	IX	30 07 07 12.1–2.6	51.84N	95.81E	10	4.1b,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=15.1km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=25.8km s-min=8.9km az=0.1.
MOS Error ellipse: s-maj=27.1km s-min=14.9km az=8.9.

ISC	**X**	**03 14 20 28.7–.85**	**50.12N–.04**	**88.03E–.04**	**11**		**35**	**0-9**
ISCJB	X	03 14 20 25.1–.76	50.24N–.03	88.01E–.06	11			¶601837250
ASRS	X	03 14 20 25.3–1.1	49.99N	88.05E	15			
NNC	X	03 14 20 29.2–1.3	50.08N	87.77E	0	4.0b,3.5		
SOME	X	03 14 20 33.9	50.13N	86.32E	0	4.0b,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.8km az=32.3.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=6.1km az=101.0.

ISC	**X**	**08 16 09 35.0–.92**	**50.62N–.03**	**87.36E–.05**	**8**		**28**	**0-14**
SOME	X	08 16 09 29.4	50.07N	87.47E	0			¶601840319
ISCJB	X	08 16 09 32.8–.56	50.66N–.03	87.31E–.06	8			
ASRS	X	08 16 09 35.6–.64	50.57N	87.40E	8	3.2s		
NNC	X	08 16 09 36.8–1.3	50.63N	87.04E	4–7	4.2b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.7km az=176.5.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=5.0km az=93.0.
IDC X 11 07 15 46.2–2.6 54.38N 86.10E 0 3.0,3.0 ¶601997853

IDC Error ellipse: s-maj=19.4km s-min=12.6km az=46.0.

ISC	**X**	**11 10 41 11.5–.56**	**51.78N–.07**	**96.00E–.04**	**10**	**3.8b**	**46**	**1-82**
ISCJB	X	11 10 41 10.5–.49	51.71N–.07	96.03E–.06	10	3.8b,3.1s		¶601846728
MOS	X	11 10 41 10.4–1.8	51.69N	96.08E	13	4.0b,3.1s		
IDC	X	11 10 41 10.1–.84	51.66N	96.35E	0	3.9b,3.9		
ASRS	X	11 10 41 14.7–2.0	51.55N	95.71E	15	3.7s,3.9		
NNC	X	11 10 41 18.7–7.3	51.47N	95.69E	0	4.2b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=178.2.
MOS Error ellipse: s-maj=12.6km s-min=8.7km az=24.1.
IDC Error ellipse: s-maj=22.4km s-min=13.5km az=10.0.
NNC Event type se. Error ellipse: s-maj=109.0km s-min=49.1km az=179.0.
NNC X 13 04 34 37.3–1.6 50.56N 85.43E 0 3.5b,3.1 ¶601852339

NNC Event type se. Error ellipse: s-maj=15.2km s-min=7.6km az=99.0.
IDC X 13 06 42 57.2–2.8 54.28N 86.02E 0 2.7,2.7 ¶601998089

IDC Error ellipse: s-maj=20.5km s-min=13.1km az=52.0.
NNC X 13 13 43 56.0–2.2 50.50N 88.09E 0 3.8b,3.4 ¶601852361

NNC Event type se. Error ellipse: s-maj=19.9km s-min=6.6km az=98.0.

ISC	**X**	**13 21 31 50.6–.72**	**51.77N–.08**	**95.93E–.06**	**10**	**4.0b**	**19**	**1-40**
ISCJB	X	13 21 31 49.3–.56	51.59N–.09	95.96E–.08	10	3.9b		¶601998154
MOS	X	13 21 31 49.2–1.6	51.76N	95.97E	10	4.2b		
IDC	X	13 21 31 51.1–3.0	51.38N	96.06E	0	2.9,2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.7km az=10.4.
MOS Error ellipse: s-maj=14.5km s-min=10.4km az=13.2.
IDC Error ellipse: s-maj=53.2km s-min=20.8km az=8.0.
MOS X 16 08 40 39.3–2.5 51.50N 95.92E 11 3.7b ¶605299978

MOS Error ellipse: s-maj=15.9km s-min=12.8km az=28.6.
MOS X 19 04 04 50.5–1.2 51.59N 95.94E 14 3.9b ¶605299980

MOS Error ellipse: s-maj=15.1km s-min=11.7km az=134.9.
IDC X 20 17 54 34.5–2.3 51.12N 94.44E 0 2.8,2.8 ¶601999070

IDC Error ellipse: s-maj=42.1km s-min=21.0km az=8.0.

ISC	**X**	**23 00 34 01.1–.68**	**51.87N–.06**	**96.10E–.04**	**10**	**3.7b**	**49**	**1-82**
IDC	X	23 00 33 58.1–1.3	51.65N	96.21E	0	3.7b,3.6		¶601999324
MOS	X	23 00 33 59.8–2.4	51.90N	96.15E	10	4.2b,3.6		
ASRS	X	23 00 33 59.2–1.5	51.75N	95.91E	15	3.4s,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=16.8km az=177.0.
MOS Error ellipse: s-maj=8.4km s-min=6.8km az=14.0.
IDC XI 01 07 45 08.7–2.4 54.19N 86.07E 0 3.0,3.0 ¶602388668

IDC Error ellipse: s-maj=18.9km s-min=11.3km az=56.0.
IDC XI 01 08 53 31.2–3.2 54.41N 86.37E 0 3.0,3.0 ¶602388672

IDC Error ellipse: s-maj=24.1km s-min=15.7km az=48.0.
IDC XI 01 09 43 49.6–2.9 53.61N 87.84E 0 3.1,3.1 ¶602388674

IDC Error ellipse: s-maj=25.9km s-min=16.9km az=48.0.
IDC XI 02 10 58 18.7–1.6 54.56N 83.42E 0 3.0,3.0 ¶602388717

IDC Error ellipse: s-maj=15.4km s-min=9.7km az=178.0.

ISC	**XI**	**05 06 14 13.2–.78**	**51.8N–.10**	**95.94E–.06**	**10**	**3.7b**	**15**	**2-82**
IDC	XI	05 06 14 12.3–2.0	51.70N	96.03E	0	3.5b,3.4		¶602388843
MOS	XI	05 06 14 12.6–2.7	51.99N	95.92E	10	4.0b,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=18.0km az=12.0.
MOS Error ellipse: s-maj=18.7km s-min=13.0km az=177.5.
IDC XI 07 06 39 33.5–2.7 54.08N 86.43E 0 3.7,3.7 ¶602388948

IDC Error ellipse: s-maj=22.8km s-min=13.8km az=47.0.
IDC XI 07 08 55 56.0–3.0 54.13N 87.26E 0 3.0,3.0 ¶602388953

IDC Error ellipse: s-maj=26.4km s-min=18.6km az=55.0.

ISC	**XI**	**09 04 47 34.2–1.1**	**52.23N–.09**	**95.10E–.06**	**10**		**13**	**1-25**
ISCJB	XI	09 04 47 33.3–.71	52.31N–.06	94.94E–.10	10	3.7b		¶602389076
MOS	XI	09 04 47 33.7–1.6	52.35N	94.98E	13	4.0b		
IDC	XI	09 04 47 51.2–2.7	52.59N	93.09E	0	3.3,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.9km az=137.6.
MOS Error ellipse: s-maj=15.8km s-min=14.6km az=68.9.
IDC Error ellipse: s-maj=47.4km s-min=22.5km az=12.0.
MOS XI 16 09 09 10.3–2.6 51.73N 96.19E 10 4.1b ¶605299986

MOS Error ellipse: s-maj=20.0km s-min=13.5km az=8.6.
IDC XI 20 08 28 31.1–3.2 55.40N 86.27E 0 3.0,3.0 ¶602389730

IDC Error ellipse: s-maj=28.4km s-min=18.9km az=59.0.
IDC XI 23 10 00 33.0–2.9 53.54N 87.92E 0 2.9,2.9 ¶602389877

IDC Error ellipse: s-maj=26.1km s-min=16.0km az=64.0.

ISC	**XI**	**24 17 57 50.6–.55**	**50.08N–.03**	**87.76E–.04**	**11**	**3.5b**	**76**	**2-84**
SOME	XI	24 17 57 45.9	49.93N	87.88E	0	3.5b		¶602030304
IDC	XI	24 17 57 48.8–.80	50.13N	87.97E	0	3.8,3.7		
NNC	XI	24 17 57 48.6–3.2	50.07N	88.01E	0	4.2b,4.1		
MOS	XI	24 17 57 49.7–2.1	50.08N	87.82E	14	4.2b,4.1		
ISCJB	XI	24 17 57 49.7–.42	50.23N–.04	87.70E–.05	11	3.6b,4.1		
ASRS	XI	24 17 57 50.9–1.3	50.13N	87.71E	15	3.5s,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=9.8km az=171.0.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=17.6km az=94.0.
MOS Error ellipse: s-maj=8.7km s-min=8.3km az=83.8.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=149.2.
IDC XII 04 04 44 33.1–2.6 53.59N 86.96E 0 2.7,2.7 ¶602390434

IDC Error ellipse: s-maj=24.6km s-min=15.8km az=69.0.
IDC XII 06 07 45 07.6–2.6 54.28N 85.98E 0 2.9,2.9 ¶602390538

IDC Error ellipse: s-maj=18.8km s-min=13.1km az=45.0.
IDC XII 06 08 41 40.9–3.0 54.15N 87.38E 0 3.0,3.0 ¶602390542

IDC Error ellipse: s-maj=27.1km s-min=18.6km az=58.0.
IDC XII 06 09 32 48.6–3.0 54.42N 86.78E 0 3.1,3.1 ¶602390548

IDC Error ellipse: s-maj=23.7km s-min=16.2km az=55.0.
MOS XII 07 18 06 00.1–3.0 51.89N 95.69E 10 3.9b ¶605299998

MOS Error ellipse: s-maj=18.3km s-min=14.0km az=173.1.
NNC XII 09 16 54 38.6–1.7 50.62N 86.98E 0 3.6b,3.2 ¶602056536

NNC Event type se. Error ellipse: s-maj=14.8km s-min=9.0km az=95.0.
IDC XII 09 23 11 33.8–1.7 51.51N 96.16E 0 2.9,2.9 ¶602390940

IDC Error ellipse: s-maj=45.6km s-min=13.5km az=175.0.
IDC XII 11 08 33 39.5–3.0 55.40N 86.31E 0 3.1,3.1 ¶602391079

IDC Error ellipse: s-maj=28.7km s-min=19.3km az=59.0.

ISC	**XII**	**20 09 29 50.9–.72**	**51.85N–.05**	**95.83E–.03**	**10**	**4.1b**	**31**	**2-25**
IDC	XII	20 09 29 49.8–1.1	51.57N	96.01E	0	3.9b,3.6		¶602391694
MOS	XII	20 09 29 49.8–3.0	51.77N	95.98E	10	4.1b,3.6		
ASRS	XII	20 09 29 52.9–1.9	51.78N	95.89E	15	3.1s,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=11.2km az=177.0.
MOS Error ellipse: s-maj=12.2km s-min=9.4km az=0.9.
NNC XII 20 14 37 35.3–7.6 52.06N 87.40E 0 4.0b,3.5 ¶602083549

NNC Event type se. Error ellipse: s-maj=58.2km s-min=37.2km az=40.0.
IDC XII 25 06 07 36.7–7.4 53.84N 90.96E 0 2.7,2.7
KRAR XII 25 06 07 38.0–.11 53.73N 90.95E 1.9,2.7 ¶602380571
IDC Error ellipse: s-maj=81.3km s-min=30.4km az=38.0.
KRAR Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

ISC	**XII**	**26 01 57 49.2–.81**	**51.61N–.06**	**95.95E–.03**	**10**		**21**	**1-31**
MOS	XII	26 01 57 48.6–2.8	51.55N	96.00E	15	4.1b		¶602380606
ASRS	XII	26 01 57 48.6–1.6	51.55N	96.00E	15	2.4s		

ISC Event type ke.
MOS Error ellipse: s-maj=15.1km s-min=13.8km az=153.1.

ISC	**XII**	**27 02 40 10.5–.59**	**51.37N–.05**	**94.12E–.04**	**10**	**3.6b**	**40**	**0-82**
BJI	XII	27 02 40 06.7	51.47N	94.00E	11	4.2b,4.0L		¶602380680
IDC	XII	27 02 40 07.4–.74	51.38N	94.32E	0	3.9,3.7		
ISCJB	XII	27 02 40 08.6–.48	51.58N–.05	94.06E–.07	10	3.7b,3.7		
MOS	XII	27 02 40 08.4–2.3	51.38N	94.03E	12	4.3b,3.7		
ASRS	XII	27 02 40 09.4–2.9	51.21N	93.74E	15	3.3s,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=12.0km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.0km az=23.6.
MOS Error ellipse: s-maj=10.5km s-min=9.4km az=74.1.
IDC XII 29 06 25 34.6–2.8 54.15N 87.28E 0 2.8,2.8 ¶602380826

IDC Error ellipse: s-maj=22.9km s-min=16.2km az=62.0.
IDC XII 29 12 50 58.1–2.6 51.83N 94.87E 0 3.0,3.0 ¶602380839

IDC Error ellipse: s-maj=33.1km s-min=21.0km az=1.0.

(327) Lake Baykal region.

BYKL	**VII**	**13 11 34 33.0–.22**	**52.77N**	**106.74E**	**20–4**			
MOS	VII	13 11 34 32.0–1.6	52.72N	106.91E	10	4.4b		¶601513147

BYKL Event type se. FELT I=II MSK at Yelantsy, Tyrgan.
MOS Error ellipse: s-maj=22.7km s-min=11.8km az=48.3.
BYKL VII 14 13 41 13.5–.22 53.18N 109.04E 28–3
MOS VII 14 13 41 16.8–3.0 53.43N 109.22E 10 4.2b ¶601513148
BYKL Event type se.
MOS Error ellipse: s-maj=32.3km s-min=16.9km az=46.9.
BYKL VII 15 04 43 27.1–.18 53.11N 107.49E 24–3
MOS VII 15 04 43 29.2–1.4 53.21N 107.14E 10 4.1b ¶601513149
BYKL Event type se.
MOS Error ellipse: s-maj=99.9km s-min=29.0km az=58.7.
BYKL VII 26 21 00 10.3–.14 52.24N 105.87E 20–2
MOS VII 26 21 00 10.9–1.4 52.26N 105.86E 10 4.2b ¶601553717
BYKL Event type se.
MOS Error ellipse: s-maj=24.1km s-min=9.9km az=51.1.
IDC VII 27 10 13 21.9–896 50.45N 112.32E 0
¶601666517
IDC Error ellipse: s-maj=386.5km s-min=100.3km az=63.0.
ISC VIII 06 08 14 43.9–1.1 55.48N–.02 110.47E–.02 2–9 97 1-20
MOS VIII 06 08 14 44.6–1.5 55.48N 110.47E 8 4.4b ¶601561662
BYKL VIII 06 08 14 44.4–.26 55.50N 110.44E 4.4b
IDC VIII 06 08 14 49.7–8.9 55.33N 109.90E 0 3.4,3.4
ISC Event type se.
MOS Error ellipse: s-maj=15.9km s-min=8.8km az=73.8.
BYKL Event type se.
IDC Error ellipse: s-maj=114.0km s-min=36.4km az=76.0.
BYKL VIII 09 05 43 03.7–.20 53.05N 107.84E 19–3
MOS VIII 09 05 43 03.2–1.6 53.04N 107.86E 10 4.2b ¶601561663
BYKL Event type se.
MOS Error ellipse: s-maj=21.4km s-min=10.4km az=59.4.
IDC VIII 09 10 33 49.2–539 50.50N 112.97E 0
¶601765696
IDC Error ellipse: s-maj=204.6km s-min=111.4km az=60.0.
BYKL VIII 14 08 18 40.4–.20 55.34N 110.25E
MOS VIII 14 08 18 40.9–1.4 55.34N 110.31E 10 4.3b ¶601615435
BYKL Event type se.
MOS Error ellipse: s-maj=19.1km s-min=12.6km az=75.0.
BYKL VIII 14 18 57 13.0–.22 51.45N 104.19E 17–3
MOS VIII 14 18 57 12.9–1.7 51.44N 104.19E 10 4.4b ¶601615436
BYKL Event type se. FELT I=III-IV MSK at Baykalsk, II-III at Vydrino, II at Slyudyanka, Irkutsk.
MOS Event type fe. Error ellipse: s-maj=14.4km s-min=9.1km az=74.0. Felt (III) at Baykal'sk. Moment Tensor Solution.
BYKL VIII 16 16 39 30.5–.18 52.85N 108.50E 25–3
MOS VIII 16 16 39 29.5–1.6 52.86N 108.69E 10 4.4b ¶601615437
BYKL Event type se.
MOS Error ellipse: s-maj=13.8km s-min=9.9km az=59.2.
BYKL VIII 19 19 59 06.1–.20 54.74N 112.36E
MOS VIII 19 19 59 06.6–1.9 54.72N 112.41E 10 4.3b ¶601615451
BYKL Event type se.
MOS Error ellipse: s-maj=16.6km s-min=10.6km az=83.7.
ISC VIII 26 10 43 54.3–.84 51.71N–.03 104.65E–.02 16–5 3.7b 113 0-79
IDC VIII 26 10 43 49.6–1.8 51.81N 104.62E 0 3.7,3.6L ¶601672967
ISCJB VIII 26 10 43 51.2–.41 51.72N–.03 104.68E–.03 0–3 4.0s,3.8b
MOS VIII 26 10 43 52.6–1.1 51.66N 104.74E 12 4.0b,3.8b
BYKL VIII 26 10 43 53.6–.17 51.75N 104.59E 23–2 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=21.7km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.4km az=166.8.
MOS Event type fe. Error ellipse: s-maj=9.9km s-min=7.6km az=85.9. Felt (II) at Listvyanka. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Listvyanka, Angarskie Khutora, II at Shelekhov, Irkutsk.
BYKL IX 06 22 41 44.3–.19 55.32N 110.29E
MOS IX 06 22 41 45.0–1.6 55.30N 110.32E 10 4.2b ¶601713639
BYKL Event type se.
MOS Error ellipse: s-maj=23.2km s-min=16.7km az=67.2.
BYKL IX 08 14 27 12.8–.26 55.31N 110.26E
MOS IX 08 14 27 13.6–1.8 55.31N 110.28E 5 4.2b ¶601713640
BYKL Event type se.
MOS Error ellipse: s-maj=70.9km s-min=20.2km az=63.8.
BYKL IX 11 11 49 00.0–.38 56.10N 110.54E 3–5
MOS IX 11 11 49 00.4–1.5 56.13N 110.57E 6 4.2b ¶601775920
BYKL Event type se.
MOS Error ellipse: s-maj=17.1km s-min=9.4km az=64.0.
BYKL IX 12 15 09 56.7–.30 51.51N 104.79E 23–4
MOS IX 12 15 09 56.5–1.6 51.51N 104.83E 10 4.2b ¶601775921
BYKL Event type se.
MOS Error ellipse: s-maj=17.4km s-min=10.2km az=88.9.
ISC IX 12 23 24 02.7–.96 52.53N–.02 106.51E–.02 10–8 74 0-22
MOS IX 12 23 24 01.3–.88 52.58N 106.47E 10 4.1b ¶601775922
BYKL IX 12 23 24 01.7–.17 52.57N 106.46E 21–3 4.1b
ISC Event type se.
MOS Error ellipse: s-maj=20.4km s-min=11.0km az=73.9.
BYKL Event type se. FELT I=II-III MSK at Tyrgan, Yelantsy.
BYKL IX 13 09 17 28.2–.22 52.78N 109.84E 16–9
MOS IX 13 09 17 27.5–2.1 52.74N 109.83E 10 4.4b ¶601775923
BYKL Event type se.
MOS Error ellipse: s-maj=17.8km s-min=12.5km az=82.7.
ISC IX 26 12 39 50.4–.60 54.59N–.02 109.95E–.02 10 95 1-23
ISCJB IX 26 12 39 47.5–.28 54.52N–.02 110.02E–.04 10 3.2b ¶601833812
MOS IX 26 12 39 50.2–.88 54.58N 109.96E 7 4.4b
BYKL IX 26 12 39 51.3–.19 54.61N 109.94E 4.4b
IDC IX 26 12 39 52.3–7.3 54.60N 109.45E 0 3.3,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=1.9km az=136.9.
MOS Error ellipse: s-maj=16.1km s-min=7.7km az=63.3.
BYKL Event type se.
IDC Error ellipse: s-maj=100.3km s-min=26.7km az=77.0.
ISC X 01 17 48 32.3–.45 53.26N–.02 108.65E–.02 10 4.1s,4.0b 130 1-86
MOS X 01 17 48 31.6–1.3 53.31N 108.61E 10 4.2b,4.0b ¶601840292
IDC X 01 17 48 31.4–.97 53.30N 108.46E 0 3.9,3.8b
BYKL X 01 17 48 32.7–.18 53.29N 108.49E 15–3 3.9,3.8b
BJI X 01 17 48 32.1 53.26N 109.07E 9 4.3s,4.2b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=9.8km s-min=6.9km az=61.3. Felt (II) at Onguryeny. Moment Tensor Solution.
IDC Error ellipse: s-maj=23.0km s-min=17.3km az=107.0.
BYKL Event type se. FELT I=II MSK at Onguren.
ISC X 01 17 56 52.9–.69 53.35N–.02 108.45E–.02 10 80 1-8
MOS X 01 17 56 54.0–.78 53.31N 108.49E 10 4.2b ¶601840293
BYKL X 01 17 56 54.5–.17 53.30N 108.48E 11–3 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=23.1km s-min=15.6km az=141.5.
BYKL Event type se.
BYKL X 03 00 47 19.9–.19 53.30N 108.48E 14–4
MOS X 03 00 47 19.7–1.6 53.30N 108.50E 10 4.4b ¶601840294
BYKL Event type se.
MOS Error ellipse: s-maj=20.8km s-min=9.7km az=51.3.
IDC X 05 07 22 13.5–999 52.28N 111.62E 0
¶601997110
IDC Error ellipse: s-maj=821.0km s-min=220.9km az=101.0.
ISC X 05 23 04 24.8–.46 53.32N–.02 108.49E–.02 10 3.9b,3.3s 133 1-89
MOS X 05 23 04 23.8–1.2 53.37N 108.47E 9 4.2b,3.3s ¶601834604
BYKL X 05 23 04 24.3–.19 53.30N 108.48E 13–3 4.3W,3.3s
BJI X 05 23 04 25.8 53.26N 108.37E 14 4.5b,4.3s
IDC X 05 23 04 25.0–.79 53.25N 108.35E 0 4.0,3.8
NEIC X 05 23 04 26.1–.64 53.35N 108.38E 10 4.1b,3.8
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=7.3km az=69.0.
BYKL Event type se. FELT I=II MSK at Onguren. #STATIONS MA2 PET INCN SSE ENH XAN KURK BRVK ARU KIEV. Moment Tensor Solution.
IDC Error ellipse: s-maj=19.5km s-min=14.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.1km az=56.0.

ISC X 06 10 27 22.8–1.1 53.77N–.03 109.19E–.02 6–10 79 0-6
MOS X 06 10 27 23.9–1.6 53.77N 109.12E 10 4.3b ¶601840295
BYKL X 06 10 27 23.8–.27 53.85N 109.10E 4.3b
ISC Event type se.
MOS Error ellipse: s-maj=35.3km s-min=19.9km az=143.9.
BYKL Event type se.
IDC X 11 08 31 57.5–999 51.21N 112.78E 0
¶601997866
IDC Error ellipse: s-maj=479.1km s-min=178.1km az=90.0.
IDC X 12 07 47 08.9–999 50.82N 111.93E 0
¶601997976
IDC Error ellipse: s-maj=818.1km s-min=212.5km az=99.0.
BYKL X 18 00 55 37.2–.22 55.66N 110.09E 10–3
MOS X 18 00 55 34.7–.81 55.86N 110.24E 9 4.2b ¶601882313
BYKL Event type se.
MOS Error ellipse: s-maj=33.4km s-min=18.9km az=81.0.
BYKL X 20 18 48 31.1–.12 52.39N 106.62E 18–2
MOS X 20 18 48 29.0–1.2 52.41N 106.89E 9 4.2b ¶601882314
BYKL Event type se.
MOS Error ellipse: s-maj=24.2km s-min=17.5km az=47.6.
ISC X 30 10 11 38.2–1.1 53.33N–.02 108.04E–.02 1–7 4.5b,3.4s 209 0-89
IDC X 30 10 11 35.4–1.0 53.01N 108.32E 0 4.2,4.0 ¶601861589
MOS X 30 10 11 36.8–1.3 53.27N 108.15E 9 4.6b,4.0
NEIC X 30 10 11 38.8–.27 53.33N 108.14E 10 4.5b,4.0
ISCJB X 30 10 11 39.0–.46 53.38N–.02 108.02E–.03 20–3 4.3b,3.5s
BYKL X 30 10 11 39.4–.14 53.31N 108.04E 16–2 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=18.6km az=164.0.
MOS Error ellipse: s-maj=8.6km s-min=6.1km az=57.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=150.3.
BYKL Event type se. FELT I=III MSK at Onguren.
IDC X 30 10 57 25.0–404 51.45N 112.25E 0
¶602000470
IDC Error ellipse: s-maj=180.9km s-min=105.3km az=38.0.
BYKL XI 03 12 33 06.3–.24 55.34N 111.30E
MOS XI 03 12 33 06.3–1.7 55.30N 111.29E 10 4.2b ¶602031604
BYKL Event type se.
MOS Error ellipse: s-maj=24.1km s-min=12.9km az=84.6.
BYKL XI 08 17 56 04.1–.26 55.74N 110.18E 7–4
MOS XI 08 17 56 04.7–1.9 55.72N 110.20E 9 4.2b ¶601991569
BYKL Event type se.
MOS Error ellipse: s-maj=20.6km s-min=16.8km az=57.2.
ISC XI 08 18 31 32.7–.58 55.69N–.03 110.27E–.02 10 4.0b 110 0-41
ISCJB XI 08 18 31 30.8–.29 55.56N–.02 110.30E–.03 10 3.9b ¶601991570
MOS XI 08 18 31 31.6–1.3 55.75N 110.18E 6 4.2b
BYKL XI 08 18 31 32.8–.25 55.72N 110.19E 4–4 4.2b
IDC XI 08 18 31 32.7–2.6 55.72N 110.09E 0 4.0b,3.9
NEIC XI 08 18 31 34.1–1.3 55.70N 110.13E 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.0km az=146.5.
MOS Error ellipse: s-maj=11.6km s-min=8.2km az=69.6.
BYKL Event type se.
IDC Error ellipse: s-maj=43.8km s-min=22.2km az=102.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=13.9km az=118.0.
BYKL XI 16 09 19 29.9–.18 53.97N 110.30E 19–3
MOS XI 16 09 19 29.6–2.5 53.95N 110.35E 10 4.4b ¶601992208
BYKL Event type se.
MOS Error ellipse: s-maj=15.5km s-min=8.7km az=64.0.
ISC XI 21 01 49 40.7–.93 53.29N–.02 108.54E–.02 7–8 73 0-8
MOS XI 21 01 49 40.4–1.7 53.19N 108.55E 9 4.2b ¶602036326
BYKL XI 21 01 49 41.0–.21 53.29N 108.52E 19–3 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=41.9km s-min=26.5km az=157.3.
BYKL Event type se.
ISC XI 27 21 32 01.2–.86 56.36N–.03 112.94E–.02 3–6 3.9b,3.0s 135 0-78
MOS XI 27 21 32 01.5–1.1 56.27N 112.77E 18 3.9b,3.0s ¶601994890
BYKL XI 27 21 32 02.3–.29 56.32N 112.70E 3.9b,3.0s
IDC XI 27 21 32 05.2–4.0 56.24N 112.69E 33–34 3.8,3.8
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=6.5km az=72.6.
BYKL Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.6km az=161.0.
ISC XI 28 06 18 30.5–.92 52.11N–.03 105.54E–.02 10–8 61 0-8
BYKL XI 28 06 18 30.8–.28 51.96N 105.55E 26–4 ¶602036328
MOS XI 28 06 18 30.8–.70 51.94N 105.57E 10 4.2b
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=31.4km s-min=27.6km az=126.4.
BYKL XII 08 23 52 51.7–.23 53.29N 108.50E 17–4
MOS XII 08 23 52 51.5–2.6 53.28N 108.50E 5 4.3b ¶602051520
BYKL Event type se.
MOS Error ellipse: s-maj=17.6km s-min=14.3km az=52.6.
BYKL XII 08 23 53 31.0–.54 53.29N 108.54E 11–6
¶607215277
BYKL Event type se.
ISC XII 09 08 48 52.7–.79 53.30N–.02 108.60E–.02 15–5 3.6b 128 0-80
MOS XII 09 08 48 50.9–1.1 53.32N 108.57E 11 4.0b ¶602051521
IDC XII 09 08 48 51.2–1.1 53.33N 108.73E 0 3.7,3.6b
BYKL XII 09 08 48 52.2–.15 53.29N 108.50E 16–3 3.7,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=6.9km az=63.5.
IDC Error ellipse: s-maj=36.7km s-min=19.4km az=116.0.
BYKL Event type se.
BYKL XII 19 20 57 44.9–.21 55.15N 111.34E 24–3
MOS XII 19 20 57 44.6–1.4 55.13N 111.36E 10 4.3b ¶602217552
BYKL Event type se.
MOS Error ellipse: s-maj=21.1km s-min=10.0km az=72.3.
ISC XII 29 00 07 33.6–.82 52.03N–.02 105.72E–.02 15–6 101 0-22
MOS XII 29 00 07 31.2–.92 52.04N 105.79E 12 4.1b ¶602322908
BYKL XII 29 00 07 32.4–.11 52.05N 105.73E 20–2 4.1b
ISC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=8.3km az=139.9.
BYKL Event type se.

(328) East of Lake Baykal.

IDC VII 24 10 02 46.6–605 51.21N 114.06E 0
¶601666371
IDC Error ellipse: s-maj=217.3km s-min=132.1km az=56.0.
BYKL VII 28 20 01 09.1–.20 55.97N 113.56E 23–3
MOS VII 28 20 01 09.6–1.8 56.04N 113.57E 10 4.2b ¶601553718
BYKL Event type se.
MOS Error ellipse: s-maj=39.9km s-min=24.6km az=95.3.
BYKL VIII 04 17 22 43.7–.32 56.07N 114.37E
MOS VIII 04 17 22 43.2–.99 56.07N 114.44E 10 4.3b ¶601561661
BYKL Event type se.
MOS Error ellipse: s-maj=28.8km s-min=21.1km az=64.5.
IDC IX 10 08 01 50.8–876 51.02N 118.10E 0
¶601863286
IDC Error ellipse: s-maj=396.7km s-min=197.6km az=100.0.
IDC IX 13 06 05 21.4–401 51.35N 116.05E 0
¶601863454
IDC Error ellipse: s-maj=156.1km s-min=145.5km az=117.0.
IDC IX 18 06 57 21.2–999 52.30N 113.79E 0
¶601863748
IDC Error ellipse: s-maj=728.5km s-min=207.8km az=104.0.
IDC IX 20 06 21 07.0–999 51.38N 117.20E 0
¶601863869
IDC Error ellipse: s-maj=673.4km s-min=183.8km az=109.0.
IDC IX 21 06 16 13.9–999 51.91N 113.85E 0
¶601863940

IDC Error ellipse: s-maj=724.7km s-min=203.4km az=104.0.
IDC IX 27 06 17 11.7–399 51.34N 116.29E 0
¶601864263

IDC Error ellipse: s-maj=152.0km s-min=140.0km az=95.0.
IDC IX 27 09 09 42.9–400 51.26N 115.93E 0
¶601864268

IDC Error ellipse: s-maj=152.1km s-min=140.6km az=93.0.
IDC X 09 06 49 42.8–999 51.30N 115.14E 0
¶601997623

IDC Error ellipse: s-maj=708.5km s-min=222.0km az=107.0.
IDC X 15 07 30 00.2–999 51.46N 114.99E 0
¶601998303

IDC Error ellipse: s-maj=732.2km s-min=199.8km az=105.0.
IDC X 17 06 53 07.5–975 51.46N 114.67E 0
¶601998629

IDC Error ellipse: s-maj=439.3km s-min=170.4km az=93.0.
BYKL X 17 20 04 27.4–.21 56.22N 113.92E 16–3
MOS X 17 20 04 26.5–1.1 56.17N 113.98E 7 4.2b ¶601882312
BYKL Event type se.
MOS Error ellipse: s-maj=23.8km s-min=14.6km az=59.0.
IDC X 22 07 50 44.7–347 51.71N 117.11E 0
¶601999254

IDC Error ellipse: s-maj=151.6km s-min=134.0km az=112.0.
IDC X 23 07 48 11.6–999 51.78N 113.46E 0
¶601999346

IDC Error ellipse: s-maj=761.9km s-min=208.4km az=103.0.
IDC X 24 07 37 02.2–558 50.67N 117.70E 0
¶601999463

IDC Error ellipse: s-maj=265.5km s-min=139.4km az=85.0.
IDC X 25 08 13 40.6–363 51.13N 116.29E 0
¶601999583

IDC Error ellipse: s-maj=145.9km s-min=132.0km az=82.0.
IDC X 26 07 57 49.0–999 51.15N 114.35E 0
¶601999719

IDC Error ellipse: s-maj=711.9km s-min=196.7km az=103.0.
IDC XI 09 05 14 39.7–999 51.10N 114.98E 0
¶602389078

IDC Error ellipse: s-maj=691.3km s-min=193.0km az=104.0.
ISC XI 11 05 52 49.7–1.3 57.02N–.05 118.87E–.03 2–11 40 0-12
MOS XI 11 05 52 54.4–3.4 57.02N 118.84E 10 4.2b ¶601991691
BYKL XI 11 05 52 54.9–.43 57.02N 118.79E 17–4 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=32.7km s-min=28.7km az=52.4.
BYKL Event type se.
IDC XI 15 04 44 29.7–372 51.45N 117.30E 0
¶602389431

IDC Error ellipse: s-maj=150.3km s-min=137.4km az=104.0.
IDC XI 23 04 16 56.6–412 51.37N 117.61E 0
¶602389866

IDC Error ellipse: s-maj=162.2km s-min=145.2km az=115.0.

(329) Eastern Kazakhstan.

ISC VII 09 06 23 59.9–1.4 45.54N–.05 78.98E–.04 4–11 29 0-5
SOME VII 09 06 24 03.1 45.42N 79.22E 25 ¶601457555
NNC VII 09 06 24 04.6–8.4 45.60N 79.32E 0 2.6b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=62.7km s-min=53.5km az=33.0.
NNC VIII 17 11 19 00.1–5.9 50.80N 83.88E 0 3.6b,3.2
¶601664059

NNC Event type se. Error ellipse: s-maj=47.8km s-min=17.6km az=54.0.
NNC VIII 24 10 01 52.8–8.5 53.25N 77.80E 0 3.6b,3.3
¶601687078

NNC Event type se. Error ellipse: s-maj=90.1km s-min=22.7km az=42.0.
ISC IX 10 18 42 05.6–1.0 44.27N–.03 79.33E–.03 15–9 33 0-3
NNC IX 10 18 42 05.1–.95 44.26N 79.38E 18–11 2.7b,2.1 ¶601738042
SOME IX 10 18 42 06.0 44.27N 79.35E 15 2.7b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=4.0km az=96.0.
ISC IX 22 05 33 09.6–1.6 48.62N–.05 84.37E–.08 10 27 1-7
SOME IX 22 05 33 10.1 48.63N 84.42E 5 ¶601792339
NNC IX 22 05 33 15.1–2.8 48.59N 84.48E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.0km s-min=9.8km az=65.0.
ISC IX 28 01 56 48.6–1.3 44.98N–.03 79.11E–.03 0–11 45 0-6
NNC IX 28 01 56 50.5–.99 44.95N 79.17E 0 3.3b,2.9 ¶601828785
SOME IX 28 01 56 51.5 44.87N 79.08E 10 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=6.5km az=108.0.
ISC IX 28 22 06 31.9–1.2 44.14N–.02 79.74E–.03 3–11 66 0-7
NNC IX 28 22 06 31.5–.51 44.18N 79.72E 0 3.8b,3.5 ¶601828829
SOME IX 28 22 06 32.3 44.18N 79.68E 5 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=2.8km az=100.0.
ISC X 05 06 54 40.8–1.1 44.65N–.03 79.16E–.03 6–11 38 1-3
NNC X 05 06 54 41.2–.81 44.63N 79.23E 0 2.8b,2.5 ¶601838701
SOME X 05 06 54 42.2 44.60N 79.15E 5 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=5.3km az=99.0.
ISC X 07 02 59 08.2–.00 47.57N–.03 81.96E–.04 12 20 1-5
NNC X 07 02 59 09.6–1.0 47.54N 82.23E 0 3.3b,2.6 ¶601839731
SOME X 07 02 59 10.1 47.63N 81.80E 0 3.3b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=5.3km az=77.0.
ISC X 11 10 58 20.0–1.2 44.17N–.03 78.98E–.02 2–11 52 0-6
SOME X 11 10 58 22.5 44.10N 78.97E 15 ¶601846731
NNC X 11 10 58 24.9–.97 43.93N 78.88E 0 3.1b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=24.0.
ISC X 17 03 08 57.5–1.1 44.89N–.03 79.02E–.03 6–11 49 0-6
NNC X 17 03 08 57.6–.98 44.93N 79.02E 0 3.2b,2.9 ¶601864379
SOME X 17 03 08 58.9 44.85N 79.03E 10 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=6.6km az=126.0.
ISC XI 06 22 45 46.3–.63 49.93N–.04 84.97E–.04 10 3.7b 35 2-82
IDC XI 06 22 45 44.3–.90 49.94N 85.11E 0 3.8,3.7b ¶601991494
ISCJB XI 06 22 45 45.9–.47 50.02N–.04 84.88E–.06 10 3.7b,3.5s
NNC XI 06 22 45 45.3–2.4 49.91N 84.90E 0 4.4b,4.0
MOS XI 06 22 45 46.4–1.4 49.96N 84.86E 21 4.1b,4.0
SOME XI 06 22 45 55.7 49.35N 84.60E 20 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=12.3km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=5.2km az=178.9.
NNC Event type se. Error ellipse: s-maj=18.4km s-min=12.8km az=114.0.
MOS Error ellipse: s-maj=15.8km s-min=12.5km az=104.5.
ISC XI 13 09 44 22.5–1.2 44.29N–.03 77.60E–.02 1–11 51 0-5
NNC XI 13 09 44 22.1–.96 44.37N 77.58E 0 3.1b,2.8 ¶601991868
SOME XI 13 09 44 22.2 44.30N 77.60E 5 3.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=5.3km az=169.0.
ISC XI 17 01 34 47.6–1.4 46.02N–.04 79.65E–.03 6–14 56 1-9
NNC XI 17 01 34 50.6–.76 46.03N 79.65E 0 4.0b,3.6 ¶601992346
BJI XI 17 01 34 50.5 46.28N 79.88E 17 3.1L,3.6
SOME XI 17 01 34 52.5 45.87N 79.63E 5 3.1L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=139.0.
ISC XII 22 20 00 17.4–2.1 45.32N–.06 77.85E–.06 3–14 33 1-3
SOME XII 22 20 00 15.6 45.37N 77.72E 5 ¶603090981
NNC XII 22 20 00 33.0–3.9 45.17N 79.09E 0 2.6b,2.2
ISC Event type ke.
NNC Error ellipse: s-maj=57.3km s-min=10.2km az=105.0.
ISC XII 23 03 02 59.0–1.2 44.64N–.02 77.54E–.03 5–10 74 0-10
NNC XII 23 03 02 58.3–.50 44.66N 77.54E 0 3.9b,3.5 ¶603090988
SOME XII 23 03 03 00.1 44.62N 77.52E 20 2.8s,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=3.4km az=122.0.
SOME XII 23 03 03 06.8 44.63N 77.48E 15 2.8s
¶605529709
ISC XII 25 23 24 11.3–1.3 44.74N–.04 77.48E–.03 3–12 40 1-5
ISCJB XII 25 23 24 12.2–.87 44.76N–.03 77.45E–.04 5–5 ¶603091100
SOME XII 25 23 24 13.3 44.73N 77.45E 20
NNC XII 25 23 24 15.1–2.8 44.74N 77.46E 19–23 3.3b,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=139.3.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=7.4km az=136.0.

(330) Lake Issyk-Kul region.

ISC VII 09 14 01 03.3–.98 42.89N–.03 78.34E–.02 11–9 77 0-3
SOME VII 09 14 01 03.9 42.92N 78.32E 15 ¶602582702
KRNET VII 09 14 01 03.7–.10 42.91N 78.34E 20 3.6b
KNET VII 09 14 01 06.0–.43 42.80N 78.12E 0 3.1L
ISC Event type ke.
KNET Error ellipse: s-maj=8.2km s-min=3.0km az=3.0.
ISC VII 09 17 44 24.6–.99 43.16N–.04 79.95E–.03 10 54 0-4
NNC VII 09 17 44 20.2–8.7 43.18N 80.22E 0 2.8b,2.2 ¶601457573
KRNET VII 09 17 44 25.0–.10 43.19N 79.92E 24 2.9b,2.2
SOME VII 09 17 44 25.6 43.18N 79.95E 20 2.9b,2.2
ISCJB VII 09 17 44 26.3–.68 43.17N–.04 79.94E–.05 10 2.9b,2.2
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VII 10 03 02 43.0–.94 43.17N–.04 79.94E–.03 10 78 0-4
ISCJB VII 10 03 02 43.9–.58 43.17N–.03 79.96E–.04 10 ¶601266194
KRNET VII 10 03 02 43.3–.10 43.19N 79.91E 24 3.4b
SOME VII 10 03 02 43.3 43.13N 79.93E 25 3.4b
NNC VII 10 03 02 43.1–1.1 43.18N 80.00E 2–3 3.0b,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.8km az=143.0.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=160.0.
ISC VII 19 22 03 55.7–1.6 42.34N–.05 79.48E–.04 2–10 97 1-7
SOME VII 19 22 03 54.2 42.27N 79.52E 5 ¶601457588
KRNET VII 19 22 03 55.0–.10 42.23N 79.55E 20 4.0b
NNC VII 19 22 03 56.6–.87 42.34N 79.54E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=120.0.
ISC VII 20 21 50 39.2–.89 42.23N–.03 75.25E–.02 10–8 93 0-4
KRNET VII 20 21 50 39.5–.10 42.22N 75.29E 16 2.6b ¶601513178
SOME VII 20 21 50 40.1 42.20N 75.27E 10 2.6b
NNC VII 20 21 50 40.0–1.8 42.27N 75.27E 0 2.4b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=4.6km az=158.0.
ISC VII 23 09 35 32.5–1.1 42.69N–.03 75.68E–.02 9–12 35 0-4
NNC VII 23 09 35 31.9–.44 42.65N 75.70E 0 3.2b,2.7 ¶601519853
SOME VII 23 09 35 32.6 42.72N 75.67E 5 3.2b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.2km az=119.0.
ISC VII 25 20 13 40.5–1.1 42.99N–.02 78.25E–.02 3–9 93 0-5
KRNET VII 25 20 13 40.1–.10 42.96N 78.28E 20 3.0b ¶601531710
SOME VII 25 20 13 40.0 42.95N 78.25E 5 3.0b
NNC VII 25 20 13 40.9–3.0 43.07N 78.32E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=105.9km s-min=12.4km az=168.0.
ISC VII 28 06 22 37.2–1.4 42.05N–.05 77.44E–.02 15–10 59 1-4
KRNET VII 28 06 22 36.9–.10 42.06N 77.45E 19 2.2b ¶602582824
SOME VII 28 06 22 36.4 41.98N 77.52E 15 2.2b
NNC VII 28 06 22 37.5–1.8 44.15N 77.07E 0 2.6b,2.3
ISC Event type ke.
NNC Error ellipse: s-maj=22.8km s-min=5.3km az=160.0.
ISC VII 28 21 36 00.6–1.0 42.17N–.03 76.58E–.02 13–8 101 0-5
KRNET VII 28 21 36 00.8–.10 42.17N 76.57E 20 2.9b ¶601550946
NNC VII 28 21 36 00.2–1.2 42.22N 76.66E 3–10 2.8b,2.5
SOME VII 28 21 36 01.0 42.18N 76.62E 15 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=17.0.
ISC VIII 01 07 42 28.5–.99 42.72N–.03 75.64E–.02 12–8 53 0-6
NNC VIII 01 07 42 27.4–.50 42.65N 75.69E 0 3.2b,2.8 ¶601561634
SOME VIII 01 07 42 27.7 42.70N 75.70E 15 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=1.6km az=118.0.
ISC VIII 04 09 12 29.9–1.2 42.65N–.03 75.78E–.02 3–11 52 0-4
NNC VIII 04 09 12 29.8–1.9 42.63N 75.74E 0 2.8b,2.5 ¶601565167
SOME VIII 04 09 12 30.1 42.67N 75.78E 5 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=117.0.
ISC VIII 12 03 40 58.8–.97 42.89N–.03 78.42E–.02 10–7 54 0-2
ISCJB VIII 12 03 40 58.5–.53 42.88N–.03 78.47E–.03 8–3 ¶602582983
KRNET VIII 12 03 40 58.1–.10 42.88N 78.43E 21 2.6b
SOME VIII 12 03 40 59.4 42.95N 78.45E 20 2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=156.0.
ISC VIII 12 09 53 24.3–1.4 43.15N–.05 79.82E–.03 8–11 60 0-4
ISCJB VIII 12 09 53 27.8–.73 43.17N–.04 79.77E–.04 4–4 ¶601626416
KRNET VIII 12 09 53 27.3–.10 43.14N 79.75E 21 3.0b
SOME VIII 12 09 53 28.2 43.28N 79.62E 10 3.0b
NNC VIII 12 09 53 28.2–3.9 43.57N 79.63E 0 2.9b,2.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=153.6.
NNC Event type se. Error ellipse: s-maj=40.4km s-min=18.8km az=97.0.
ISC VIII 12 19 50 14.3–1.4 42.09N–.04 76.73E–.02 21–4 76 0-4
NNC VIII 12 19 50 11.7–4.0 44.08N 76.23E 0 2.4,2.3b ¶602582977
ISCJB VIII 12 19 50 13.4–.88 42.10N–.04 76.77E–.03 3–5 2.4,2.3b
SOME VIII 12 19 50 13.5 42.08N 76.80E 20 2.4,2.3b
KRNET VIII 12 19 50 13.7–.10 42.09N 76.77E 25 2.7b,2.3b
ISC Event type ke.
NNC Error ellipse: s-maj=28.8km s-min=14.8km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=169.3.
ISC VIII 13 08 11 54.6–1.1 42.92N–.03 78.48E–.02 6–9 46 0-3
ISCJB VIII 13 08 11 54.6–.56 42.91N–.03 78.49E–.03 3–4 ¶602582986
SOME VIII 13 08 11 54.4 42.88N 78.48E 10
KRNET VIII 13 08 11 54.4–.10 42.93N 78.48E 25 2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=150.7.
ISC VIII 17 14 17 30.0–1.1 42.68N–.03 75.66E–.02 6–11 51 0-4
SOME VIII 17 14 17 29.5 42.70N 75.67E 0 ¶601664070
NNC VIII 17 14 17 29.6–.58 42.67N 75.66E 0 3.1b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=165.0.
ISC VIII 17 14 41 13.3–1.6 42.01N–.06 78.84E–.03 4–10 77 1-9
SOME VIII 17 14 41 15.0 42.08N 78.82E 10 ¶601566420
KRNET VIII 17 14 41 15.3–.10 42.07N 78.90E 18 3.5b
NNC VIII 17 14 41 15.2–1.4 42.12N 78.88E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=3.9km az=154.0.
ISC VIII 18 06 23 05.4–1.2 42.72N–.05 79.83E–.04 10 113 1-8
SOME VIII 18 06 23 03.4 42.58N 79.85E 20 ¶601566480
KRNET VIII 18 06 23 03.8–.10 42.66N 79.88E 21 3.9b
ISCJB VIII 18 06 23 04.9–.70 42.69N–.04 79.91E–.04 10 3.9b
NNC VIII 18 06 23 04.3–1.1 42.68N 79.85E 0 3.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=143.0.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=98.0.
ISC VIII 19 03 59 44.8–1.1 43.11N–.03 78.06E–.01 2–10 78 0-5
NNC VIII 19 03 59 44.7–1.7 43.09N 78.09E 0 2.5b,2.4 ¶601669896

KRNET VIII 19 03 59 45.5–.10 43.07N 78.08E 19 2.9b,2.4
SOME VIII 19 03 59 46.0 43.07N 78.07E 5 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.1km s-min=5.3km az=175.0.
ISC VIII 19 13 56 19.8–1.2 42.66N–.04 75.65E–.02 2–13 27 0-4
SOME VIII 19 13 56 19.7 42.68N 75.65E 0 **¶601669923**
NNC VIII 19 13 56 20.1–2.3 42.67N 75.69E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=5.2km az=120.0.
ISC VIII 23 07 18 59.4–1.1 42.65N–.04 75.66E–.02 8–10 57 0-6
SOME VIII 23 07 18 59.9 42.70N 75.67E 5 **¶601676490**
NNC VIII 23 07 18 59.7–.65 42.68N 75.68E 0 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=135.0.
ISC VIII 23 23 55 54.9–1.1 42.96N–.03 78.29E–.02 3–10 93 0-5
NNC VIII 23 23 55 54.6–.66 43.19N 78.29E 0 2.9b,2.5 **¶601676522**
SOME VIII 23 23 55 55.2 42.95N 78.33E 15 2.9b,2.5
KRNET VIII 23 23 55 55.0–.10 42.97N 78.31E 19 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=2.8km az=173.0.
ISC VIII 31 11 50 43.4–.94 42.72N–.03 75.65E–.02 15–8 46 0-4
NNC VIII 31 11 50 42.8–.73 42.78N 75.64E 16–36 2.6b,2.5 **¶601713923**
SOME VIII 31 11 50 43.3 42.75N 75.62E 5 2.6b,2.5
KNET VIII 31 11 50 43.0–.16 42.69N 75.70E 12–1 1.4L,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.4km s-min=4.4km az=178.0.
KNET Error ellipse: s-maj=1.2km s-min=0.9km az=58.0.
ISC IX 06 22 37 58.5–1.2 42.19N–.04 78.09E–.02 9–9 139 0-34
SOME IX 06 22 37 56.7 42.13N 78.13E 10 **¶601687352**
KRNET IX 06 22 37 56.5–.10 42.08N 78.16E 16 4.0b
NNC IX 06 22 37 57.4–.46 42.16N 78.13E 0 3.9b,3.6
KNET IX 06 22 37 60.0–1.3 42.31N 77.89E 0 3.4L,3.6
MOS IX 06 22 38 03.1–2.8 42.58N 78.18E 18 4.4b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=1.8km az=178.0.
KNET Error ellipse: s-maj=24.8km s-min=5.8km az=169.0.
MOS Error ellipse: s-maj=13.0km s-min=10.1km az=135.0.
ISC IX 12 05 36 45.5–1.2 43.58N–.04 75.40E–.03 10–11 34 0-4
NNC IX 12 05 36 43.3–5.3 43.65N 75.56E 18–35 2.6b,2.0 **¶601740111**
SOME IX 12 05 36 47.9 43.53N 75.48E 5 2.6b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.7km s-min=27.1km az=56.0.
ISC IX 17 23 39 13.5–1.1 42.44N–.03 77.80E–.02 12–9 75 0-3
NNC IX 17 23 39 11.7–2.0 44.08N 77.51E 0 2.7b,2.4 **¶602583318**
KRNET IX 17 23 39 12.5–.10 42.35N 77.79E 17 2.1b,2.4
SOME IX 17 23 39 14.2 42.43N 77.82E 10 2.1b,2.4
ISC Event type ke.
NNC Error ellipse: s-maj=15.7km s-min=7.2km az=161.0.
ISC IX 18 08 20 26.1–1.3 42.32N–.04 77.83E–.02 1–11 66 1-3
KRNET IX 18 08 20 26.8–.10 42.37N 77.79E 22 2.7b **¶601775934**
NNC IX 18 08 20 26.6–1.4 44.08N 77.47E 8–5 3.3b,2.8
SOME IX 18 08 20 27.1 42.32N 77.78E 15 3.3b,2.8
ISC Event type ke.
NNC Error ellipse: s-maj=9.6km s-min=3.9km az=165.0.
ISC IX 18 08 22 23.5–1.2 42.38N–.03 77.75E–.02 7–10 69 1-3
NNC IX 18 08 22 22.5–1.2 44.06N 77.49E 5–4 3.1b,2.7 **¶601775935**
SOME IX 18 08 22 22.7 42.30N 77.82E 10 3.1b,2.7
KRNET IX 18 08 22 22.5–.10 42.35N 77.81E 18 2.6b,2.7
ISC Event type ke.
NNC Error ellipse: s-maj=8.5km s-min=3.4km az=169.0.
ISC IX 20 23 37 24.6–.74 43.17N–.03 78.26E–.02 10 56 0-2
KRNET IX 20 23 37 24.0–.10 43.14N 78.33E 21 2.7b **¶602583353**
ISCJB IX 20 23 37 24.6–.33 43.14N–.02 78.34E–.02 10 2.7b
SOME IX 20 23 37 24.5 43.12N 78.30E 10 2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=167.3.
ISC IX 21 07 57 21.8–2.3 42.08N–.07 79.80E–.06 18–4 49 1-5
SOME IX 21 07 57 17.7 41.92N 79.92E 10 **¶601783716**
NNC IX 21 07 57 23.0–3.0 42.23N 79.77E 0 2.9b,2.7
KRNET IX 21 07 57 31.1–.10 43.45N 78.66E 2.8b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=16.0km az=130.0.
ISC IX 22 12 34 39.1–.00 42.68N–.04 75.65E–.02 16–8 41 0-4
NNC IX 22 12 34 38.7–.50 42.66N 75.70E 0 3.0b,2.7 **¶601792363**
SOME IX 22 12 34 38.8 42.65N 75.67E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=150.0.
ISC IX 27 17 06 21.3–1.2 42.45N–.04 78.18E–.02 2–10 36 0-2
SOME IX 27 17 06 21.2 42.47N 78.20E 10 **¶602583441**
KRNET IX 27 17 06 21.1–.10 42.35N 78.23E 9 2.0b
ISC Event type ke.
ISC IX 30 14 23 32.6–1.0 42.24N–.03 76.80E–.02 13–8 117 0-9
SOME IX 30 14 23 32.1 42.17N 76.87E 15 **¶601833082**
KRNET IX 30 14 23 32.3–.10 42.20N 76.81E 19 3.2b
NNC IX 30 14 23 32.4–.84 42.24N 76.83E 0–7 3.1b,2.9
KNET IX 30 14 23 34.6–.60 42.34N 76.70E 9–2 2.2L,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=127.0.
KNET Error ellipse: s-maj=3.6km s-min=3.3km az=27.0.
KRNET X 02 17 45 51.1–.10 42.18N 76.12E 21 2.0b
¶604823542
ISC X 06 09 56 52.6–1.0 42.21N–.03 76.42E–.03 16–7 64 0-2
ISCJB X 06 09 56 52.9–.71 42.20N–.03 76.43E–.03 5–4 **¶602583524**
KRNET X 06 09 56 53.0–.10 42.21N 76.41E 18 2.5b
SOME X 06 09 56 53.1 42.22N 76.38E 15 2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=143.7.
ISC X 08 00 50 47.1–.98 42.79N–.04 79.41E–.03 10 86 0-5
NNC X 08 00 50 45.6–.98 42.75N 79.52E 0–5 2.8b,2.5 **¶601840299**
SOME X 08 00 50 45.2 42.68N 79.50E 20 2.8b,2.5
KRNET X 08 00 50 46.0–.10 42.75N 79.43E 14 3.0b,2.5
ISCJB X 08 00 50 47.3–.60 42.79N–.03 79.52E–.04 10 3.0b,2.5
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC X 12 07 18 47.8–.80 43.12N–.02 78.21E–.02 16–6 123 0-8
NNC X 12 07 18 46.5–.32 43.15N 78.21E 0 3.4b,3.1 **¶601848471**
ISCJB X 12 07 18 47.8–.41 43.10N–.02 78.23E–.02 13–2 3.4b,3.1
SOME X 12 07 18 47.3 43.03N 78.23E 20 3.4b,3.1
KRNET X 12 07 18 47.3–.10 43.07N 78.20E 23 3.7b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=1.3km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=159.7.
ISC X 19 21 43 35.8–1.3 42.02N–.04 77.54E–.02 11–10 77 1-4
NNC X 19 21 43 29.3–5.5 44.70N 77.05E 0 3.0b,2.7 **¶602583691**
SOME X 19 21 43 35.4 42.02N 77.60E 15 3.0b,2.7
KRNET X 19 21 43 35.3–.10 42.00N 77.58E 19 2.5b,2.7
ISC Event type ke.
NNC Error ellipse: s-maj=39.6km s-min=21.1km az=171.0.
ISC X 24 02 05 52.0–.00 42.91N–.03 76.72E–.02 11–8 50 0-2
ISCJB X 24 02 05 52.0–.57 42.91N–.03 76.72E–.04 8–4 **¶602583768**
KRNET X 24 02 05 52.0–.10 42.92N 76.70E 15 2.7b
SOME X 24 02 05 52.1 42.92N 76.73E 10 2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=146.7.
ISC X 26 10 22 46.0–1.1 43.15N–.04 79.74E–.03 12–8 64 0-4
NNC X 26 10 22 45.0–1.2 43.05N 79.76E 0 3.1b,2.7 **¶601860409**
SOME X 26 10 22 46.3 43.15N 79.73E 15 3.1b,2.7
KRNET X 26 10 22 46.4–.10 43.18N 79.74E 25 3.5b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=71.0.

ISC X 29 17 44 48.4–.86 42.11N–.02 75.27E–.02 6–6 111 0-7
KNET X 29 17 44 47.5–.34 42.15N 75.27E 16–3 2.7L **¶601884064**
SOME X 29 17 44 48.8 42.13N 75.23E 15 2.7L
KRNET X 29 17 44 48.3–.10 42.15N 75.25E 9 3.3b
NNC X 29 17 44 50.6–1.8 42.27N 75.20E 0–13 3.5b,3.3
ISC Event type se.
KNET Error ellipse: s-maj=3.3km s-min=1.6km az=5.0.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=4.3km az=161.0.
ISC XI 03 00 01 57.0–.85 43.14N–.03 78.33E–.02 6–6 72 0-2
SOME XI 03 00 01 56.7 43.10N 78.40E 10 **¶602584006**
KRNET XI 03 00 01 56.6–.10 43.12N 78.37E 18 2.6b
ISC Event type ke.
ISC XI 04 16 41 15.0–.00 42.89N–.03 78.52E–.03 16–9 42 0-2
ISCJB XI 04 16 41 15.1–.60 42.87N–.03 78.56E–.05 5–4 **¶602584019**
SOME XI 04 16 41 15.4 42.90N 78.52E 15
KRNET XI 04 16 41 15.1–.10 42.87N 78.53E 21 2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=23.7.
ISC XI 06 19 37 17.5–.90 42.27N–.02 75.99E–.01 12–7 122 0-9
NNC XI 06 19 37 16.3–.97 42.25N 76.00E 0 3.3,3.0b **¶601991490**
SOME XI 06 19 37 17.5 42.27N 76.03E 15 3.3,3.0b
KRNET XI 06 19 37 17.4–.10 42.26N 76.00E 19 3.5b,3.0b
KNET XI 06 19 37 19.1–.44 42.32N 75.84E 11–3 2.6L,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=171.0.
KNET Error ellipse: s-maj=3.1km s-min=1.7km az=99.0.
ISC XI 07 08 15 41.8–1.0 42.99N–.06 78.32E–.04 15–5 20 0-2
KRNET XI 07 08 15 41.6–.10 43.03N 78.30E 27 2.6b **¶602584047**
ISCJB XI 07 08 15 42.2–.75 42.98N–.08 78.34E–.06 13–5 2.6b
SOME XI 07 08 15 42.4 43.00N 78.33E 15 2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=4.8km az=157.8.
ISC XI 11 22 33 52.7–1.0 42.94N–.04 78.24E–.03 14–8 24 0-2
KRNET XI 11 22 33 52.9–.10 42.95N 78.24E 25 2.6b **¶602584110**
ISCJB XI 11 22 33 53.2–.77 42.96N–.05 78.25E–.05 10–6 2.6b
SOME XI 11 22 33 53.0 42.92N 78.22E 10 2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.5km az=169.0.
ISC XI 17 10 44 23.4–1.0 42.07N–.02 75.63E–.02 7–9 93 0-4
KNET XI 17 10 44 22.9–.50 42.08N 75.61E 0 1.8L **¶601992463**
KRNET XI 17 10 44 23.0–.10 42.05N 75.64E 17 2.5b
SOME XI 17 10 44 25.1 42.15N 75.62E 10 2.5b
NNC XI 17 10 44 27.2–1.9 42.22N 75.51E 0 2.8
ISC Event type se.
KNET Error ellipse: s-maj=3.3km s-min=2.1km az=158.0.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=11.4km az=134.0.
ISC XI 21 03 44 51.0–.92 43.13N–.02 75.68E–.01 8–8 138 0-12
NNC XI 21 03 44 50.3–.43 43.15N 75.69E 0 3.7b,3.5 **¶601993336**
KRNET XI 21 03 44 50.9–.10 43.11N 75.70E 18 4.0b,3.5
SOME XI 21 03 44 51.5 43.13N 75.72E 10 4.0b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=2.0km az=159.0.
ISC XI 21 09 50 26.6–1.4 42.99N–.04 79.76E–.04 8–10 72 0-4
NNC XI 21 09 50 28.8–4.2 43.10N 79.78E 0 2.9b,2.6 **¶601993424**
ISCJB XI 21 09 50 30.6–.70 43.15N–.04 79.67E–.04 5–3 2.9b,2.6
KRNET XI 21 09 50 30.5–.10 43.15N 79.65E 20 3.1b,2.6
SOME XI 21 09 50 30.0 43.15N 79.68E 15 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=23.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.0km az=149.7.
ISC XI 24 01 18 39.5–1.3 42.62N–.04 78.92E–.02 3–10 118 0-6
ISCJB XI 24 01 18 39.5–.65 42.62N–.03 78.91E–.03 2–3 **¶602030274**
NNC XI 24 01 18 39.3–1.5 42.64N 78.89E 0 3.2b,2.9
KRNET XI 24 01 18 39.7–.10 42.62N 78.91E 21 3.5b,2.9
SOME XI 24 01 18 40.2 42.67N 78.82E 5 3.5b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=141.9.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=3.5km az=153.0.
ISC XII 05 00 57 15.3–.71 43.12N–.02 78.27E–.02 13–4 4.1b 233 0-94
IDC XII 05 00 57 13.4–.88 43.07N 78.28E 0 4.1,4.0 **¶601996060**
ISCJB XII 05 00 57 15.2–.39 43.16N–.02 78.37E–.02 12–2 4.1b,4.0
SOME XII 05 00 57 15.0 43.05N 78.32E 15 3.1s,4.0
MOS XII 05 00 57 15.3–1.7 43.16N 78.33E 19 4.1b,4.0
NNC XII 05 00 57 15.0–.35 43.25N 78.31E 0 4.5b,4.2
KRNET XII 05 00 57 15.6–.10 43.11N 78.25E 18 4.6b,4.2
BJI XII 05 00 57 16.7 43.12N 78.43E 15 4.5b,4.2b
NEIC XII 05 00 57 18.0–.89 43.06N 78.31E 31–7 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=8.9km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.0km az=159.1.
MOS Error ellipse: s-maj=8.0km s-min=5.7km az=69.3.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=1.9km az=175.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=134.0.
ISC XII 05 01 26 05.4–1.0 43.10N–.02 78.27E–.01 3–9 111 0-8
ISCJB XII 05 01 26 05.8–.39 43.09N–.02 78.31E–.03 8–3 **¶602051478**
NNC XII 05 01 26 05.3–.53 43.24N 78.32E 0 3.5b,3.1
SOME XII 05 01 26 05.7 43.12N 78.32E 10 3.5b,3.1
KRNET XII 05 01 26 05.4–.10 43.13N 78.31E 21 3.4b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.8km az=147.7.
NNC Event type se. Error ellipse: s-maj=26.6km s-min=2.6km az=175.0.
ISC XII 10 00 08 11.3–1.1 42.91N–.03 78.21E–.02 1–10 76 0-3
ISCJB XII 10 00 08 11.4–.51 42.90N–.02 78.23E–.03 4–4 **¶602588778**
SOME XII 10 00 08 11.6 42.92N 78.25E 15
KRNET XII 10 00 08 11.4–.10 42.93N 78.26E 22 2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=148.7.
ISC XII 10 09 12 29.4–1.1 42.96N–.02 78.12E–.01 2–10 107 0-6
NNC XII 10 09 12 28.9–.65 43.05N 78.16E 0 3.8,3.1b **¶602056865**
SOME XII 10 09 12 29.6 42.97N 78.17E 15 3.8,3.1b
KRNET XII 10 09 12 29.3–.10 42.96N 78.15E 20 3.2b,3.1b
KNET XII 10 09 12 33.7–.63 42.81N 77.85E 0 2.4L,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=1.5km az=175.0.
KNET Error ellipse: s-maj=7.0km s-min=4.3km az=156.0.
ISC XII 16 09 46 01.9–1.8 42.1N–.20 77.53E–.05 26–11 11 0-2
ISCJB XII 16 09 46 00.4–2.3 41.9N–.20 77.56E–.06 21–11 **¶607215285**
KRNET XII 16 09 46 00.7–.10 41.98N 77.54E 30 2.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=7.4km az=174.6.
ISC XII 16 11 30 48.9–1.2 43.43N–.03 79.82E–.02 3–11 87 0-7
NNC XII 16 11 30 50.7–2.1 43.52N 79.83E 0 3.0b,2.8 **¶602046681**
KRNET XII 16 11 30 50.9–.10 43.43N 79.85E 13 3.1b,2.8
SOME XII 16 11 30 50.2 43.45N 79.88E 20 3.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.7km s-min=8.8km az=131.0.
ISC XII 17 15 00 52.0–1.5 42.33N–.04 78.56E–.03 4–10 134 0-38
KRNET XII 17 15 00 50.9–.10 42.30N 78.55E 21 3.6b **¶602065086**
SOME XII 17 15 00 50.5 42.27N 78.57E 20 3.6b
NNC XII 17 15 00 51.9–1.0 42.39N 78.51E 0 3.4b,3.1
KNET XII 17 15 00 55.0–3.8 42.45N 78.12E 0 3.2L,3.1
MOS XII 17 15 00 58.1–1.5 42.89N 78.35E 19 4.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.0km s-min=3.7km az=165.0.
KNET Error ellipse: s-maj=38.4km s-min=24.3km az=113.0.
MOS Error ellipse: s-maj=13.7km s-min=9.4km az=69.3.

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ISC VII 07 09 49 01.4–1.4 45.41N–.06 82.18E–.06 12–15 40 1-5
SOME VII 07 09 49 02.6 45.38N 81.78E 0 **¶601246268**
NNC VII 07 09 49 04.8–1.3 45.52N 81.91E 0 3.6b,3.6

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=6.2km az=109.0.
ISC VII 24 03 25 27.2–1.6 45.05N–.05 82.56E–.08 10 41 2-5
NNC VII 24 03 25 27.2–1.9 45.01N 82.43E 0 2.9b,2.6 ¶601472428
SOME VII 24 03 25 28.2 45.05N 82.57E 25 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=6.4km az=109.0.
ISC VIII 02 10 43 10.1–1.0 47.14N–.04 83.30E–.05 12 22 1-7
NNC VIII 02 10 43 12.3–1.3 47.12N 83.36E 0 3.6b,3.1 ¶601519995
SOME VIII 02 10 43 13.0 47.12N 83.07E 5 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.3km az=72.0.
ISC VIII 04 14 01 04.3–1.2 46.51N–.05 83.13E–.06 10 22 1-5
SOME VIII 04 14 00 59.9 46.25N 82.75E 0 ¶601520331
NNC VIII 04 14 01 00.1–2.4 46.44N 83.37E 0 3.3b,3.0
ISCJB VIII 04 14 01 03.2–.69 46.43N–.04 83.15E–.07 10 3.3b,3.0
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC IX 08 09 13 13.5–2.4 48.42N–.05 85.3E–.10 10 15 1-6
SOME IX 08 09 13 11.9 48.37N 85.40E 0 ¶601698150
NNC IX 08 09 13 12.0–4.7 48.68N 85.56E 0 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.7km s-min=18.0km az=73.0.
ISC IX 10 20 06 02.1–1.7 45.25N–.06 82.90E–.07 4–15 33 2-8
SOME IX 10 20 06 04.2 45.28N 82.95E 10 ¶601712359
NNC IX 10 20 06 04.3–1.2 45.34N 82.84E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=4.7km az=98.0.
ISC IX 17 08 54 47.9–1.3 44.77N–.03 80.03E–.04 2–12 30 0-3
NNC IX 17 08 54 48.9–1.0 44.61N 80.42E 0 2.5b,2.3 ¶601725081
SOME IX 17 08 54 52.1 44.68N 79.85E 15 2.5b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=119.3km s-min=6.1km az=118.0.
ISC IX 26 01 10 08.0–1.4 45.6N–.10 81.7E–.20 7 10 1-3
NNC IX 26 01 10 06.5–1.7 45.53N 81.74E 0 2.5b,2.3 ¶601751744
SOME IX 26 01 10 09.3 45.60N 81.73E 5 2.5b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.3km s-min=7.4km az=114.0.
ISC IX 27 22 44 59.5–1.8 43.04N–.07 80.45E–.07 10 45 0-4
SOME IX 27 22 44 57.9 42.98N 80.53E 10 ¶601769046
NNC IX 27 22 44 57.7–1.4 42.99N 80.52E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=5.7km az=177.0.
NNC X 10 12 08 53.1–3.3 48.32N 85.26E 0 3.1b,2.7
SOME X 10 12 08 45.2 48.62N 85.32E 0 3.1b,2.7 ¶601828914
NNC Event type se. Error ellipse: s-maj=28.3km s-min=15.6km az=66.0.
ISC X 13 19 47 26.3–3.9 47.53N–.08 85.7E–.20 10 8 1-6
SOME X 13 19 47 30.8 47.43N 85.32E 0 ¶601835666
NNC X 13 19 47 37.7–3.6 47.44N 85.22E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.4km s-min=20.8km az=81.0.
ISC X 27 05 21 02.8–1.1 46.90N–.08 83.07E–.06 18 10 1-5
SOME X 27 05 21 01.3 47.03N 82.78E 0 ¶601860547
NNC X 27 05 21 02.3–.95 46.93N 83.12E 0 3.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=81.0.
ISC X 27 15 40 23.6–1.4 44.43N–.03 80.48E–.05 6–11 50 1-6
NNC X 27 15 40 23.4–.62 44.44N 80.60E 0 2.9b,2.6 ¶601860495
SOME X 27 15 40 24.2 44.42N 80.52E 15 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.4km s-min=3.0km az=121.0.
ISC X 29 21 54 18.6–3.4 48.41N–.07 85.6E–.20 10 10 1-5
SOME X 29 21 54 16.2 48.30N 85.82E 5 ¶601867238
NNC X 29 21 54 21.2–2.8 48.49N 85.68E 27–13 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=10.2km az=88.0.
ISC XI 03 09 53 55.0–.95 46.89N–.02 82.14E–.03 16–7 103 0-70
SOME XI 03 09 53 52.7 46.77N 82.55E 0 ¶601906717
NNC XI 03 09 53 53.3–.38 47.07N 82.11E 0 4.2b,3.8
MOS XI 03 09 53 54.0–2.9 46.97N 82.16E 13 4.2b,3.8
ASRS XI 03 09 53 57.7–1.3 47.14N 82.55E 15 4.2b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=2.0km az=64.0.
MOS Error ellipse: s-maj=12.6km s-min=6.7km az=73.7.
ISC XI 17 01 57 26.5–4.5 49.3N–.10 87.1E–.30 10 9 2-6
SOME XI 17 01 57 22.3 49.52N 85.78E 5 ¶601992351
NNC XI 17 01 57 27.3–1.4 49.27N 86.84E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=6.1km az=66.0.
ISC XI 27 16 27 16.0–2.7 48.63N–.08 85.0E–.20 10 9 1-5
SOME XI 27 16 27 22.2 48.37N 83.83E 15 ¶601994853
NNC XI 27 16 27 23.3–3.3 48.45N 84.11E 11–21 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.7km s-min=7.9km az=70.0.
ISC XII 08 02 54 29.9–.84 44.97N–.03 80.82E–.04 10 54 1-8
SOME XII 08 02 54 29.7 44.97N 80.85E 5 ¶602033138
NNC XII 08 02 54 30.4–.61 45.09N 80.65E 0 3.8b,3.4
ISCJB XII 08 02 54 32.3–.51 44.91N–.04 81.09E–.07 10 3.8b,3.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 14 01 51 07.7–1.2 45.00N–.04 80.97E–.06 10 29 1-4
SOME XII 14 01 51 08.3 44.97N 80.88E 5 ¶602043466
NNC XII 14 01 51 09.3–.93 45.03N 80.79E 0 2.8b,2.4
ISCJB XII 14 01 51 10.8–.90 44.94N–.08 81.2E–.10 10 2.8b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 22 00 21 06.5–1.3 46.68N–.06 84.58E–.08 10 17 1-6
SOME XII 22 00 21 04.4 46.58N 84.60E 5 ¶602057491
NNC XII 22 00 21 06.1–1.8 46.68N 84.57E 0 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=11.0km az=166.0.
SOME XII 25 10 02 36.9 47.73N 84.95E 0
NNC XII 25 10 02 40.5–2.1 47.00N 85.58E 0 3.3b,2.9 ¶603091079
NNC Event type se. Error ellipse: s-maj=22.8km s-min=12.5km az=156.0.
ISC XII 31 09 23 12.1–1.0 43.22N–.04 80.02E–.04 10 55 0-4
SOME XII 31 09 23 13.4 43.27N 80.08E 10 ¶602071231
KRNET XII 31 09 23 14.8–.10 43.29N 80.04E 13 3.0b
NNC XII 31 09 23 14.1–.97 42.97N 79.85E 0 2.8b,2.4
ISCJB XII 31 09 23 15.6–.74 43.23N–.04 80.13E–.05 10 2.8b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.

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NNC VII 01 02 54 34.6–9.1 43.59N 84.98E 0 4.0b,3.6
¶601235452

NNC Event type se. Error ellipse: s-maj=69.5km s-min=32.4km az=116.0.
ISC VII 01 21 48 10.3–.35 43.48N–.03 84.57E–.02 10 4.1b 204 2-145
IDC VII 01 21 48 08.1–.58 43.41N 84.72E 0 3.9,3.8 ¶601221099
ISCJB VII 01 21 48 08.2–.20 43.42N–.03 84.81E–.03 10 4.1b,3.7s
BJI VII 01 21 48 09.7 43.47N 84.71E 8 4.5L,4.3b
SOME VII 01 21 48 11.1 43.47N 84.58E 15 3.2s,4.3b
NNC VII 01 21 48 12.4–1.6 43.56N 84.53E 0 4.5b,4.2
MOS VII 01 21 48 12.2–1.1 43.53N 84.72E 38 4.2b,4.2
NEIC VII 01 21 48 13.8–.50 43.46N 84.76E 39–4 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.4km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=24.5.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=7.7km az=119.0.
MOS Error ellipse: s-maj=7.8km s-min=5.7km az=114.8.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.7km az=207.0.
ISC VII 01 22 59 15.3–1.7 43.66N–.09 84.88E–.10 10 13 4-16
ISCJB VII 01 22 59 11.2–1.3 43.57N–.08 84.7E–.10 10 ¶601237091
IDC VII 01 22 59 14.6–3.9 43.64N 85.02E 0 3.0,3.0
NNC VII 01 22 59 19.6–4.4 43.63N 84.49E 0 3.3b,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=10.3km az=146.9.
IDC Error ellipse: s-maj=53.4km s-min=26.4km az=38.0.
NNC Event type se. Error ellipse: s-maj=36.3km s-min=17.3km az=126.0.
ISC VII 06 05 41 30.5–2.9 44.33N–.09 82.9E–.10 17 11 2-3
NNC VII 06 05 41 28.7–3.9 44.34N 82.90E 0 2.5b,2.1 ¶601451778
SOME VII 06 05 41 28.9 44.32N 83.00E 20 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=15.1km az=125.0.
ISC VII 08 02 53 01.6–2.6 43.49N–.10 82.4E–.10 4–14 17 1-4
SOME VII 08 02 53 02.4 43.55N 82.50E 20 ¶601255375
NNC VII 08 02 53 04.2–2.8 43.55N 82.25E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.3km s-min=7.1km az=130.0.
ISC VII 08 05 38 52.9–1.5 44.68N–.05 82.25E–.08 10 24 2-4
SOME VII 08 05 38 52.6 44.67N 82.30E 20 ¶601255397
NNC VII 08 05 38 54.7–2.0 44.67N 82.28E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.6km s-min=4.8km az=115.0.
ISC VII 08 09 16 57.1–2.4 43.3N–.10 84.78E–.10 10 23 4-7
SOME VII 08 09 16 45.4 43.50N 85.27E 15 ¶601255425
NNC VII 08 09 17 01.8–2.1 43.53N 84.55E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=9.9km az=121.0.
SOME VII 08 11 25 06.7 42.53N 82.80E 10
NNC VII 08 11 25 12.8–5.2 42.41N 82.41E 0 3.0b,2.5 ¶601255437
NNC Event type se. Error ellipse: s-maj=41.0km s-min=18.9km az=145.0.
ISC VII 08 15 58 35.9–2.1 43.63N–.08 84.54E–.09 10 30 3-8
SOME VII 08 15 58 39.6 43.80N 84.30E 5 ¶601255471
NNC VII 08 15 58 44.6–3.1 43.77N 84.01E 30–14 3.1b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=12.3km az=117.0.
ISC VII 08 18 08 13.4–2.2 42.38N–.08 81.95E–.06 10–12 46 2-8
SOME VII 08 18 08 15.1 42.27N 81.73E 15 ¶601261101
NNC VII 08 18 08 18.4–2.6 42.35N 81.73E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.2km s-min=11.2km az=165.0.
ISC VII 08 18 13 34.2–2.5 42.4N–.10 81.52E–.08 10 32 2-4
SOME VII 08 18 13 28.0 42.22N 81.73E 15 ¶601261104
NNC VII 08 18 13 30.4–2.3 42.29N 81.75E 0 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=9.2km az=171.0.
ISC VII 10 00 51 48.8–2.6 42.24N–.09 81.63E–.08 3–14 32 2-9
SOME VII 10 00 51 48.6 42.15N 81.62E 5 ¶601266189
NNC VII 10 00 51 50.0–2.1 42.28N 81.81E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.6km s-min=9.0km az=167.0.
ISC VII 10 01 21 05.3–3.6 44.1N–.10 84.2E–.20 10 12 3-5
SOME VII 10 01 21 05.0 44.28N 83.57E 15 ¶601266190
NNC VII 10 01 21 12.5–2.3 44.42N 82.97E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=10.0km az=113.0.
ISC VII 10 04 58 57.6–2.1 44.60N–.08 82.5E–.10 10 19 2-3
SOME VII 10 04 58 55.8 44.65N 82.27E 10 ¶601266202
ISCJB VII 10 04 58 57.8–1.3 44.64N–.06 82.4E–.10 10
NNC VII 10 04 58 58.4–.89 44.73N 82.20E 0 3.0b,2.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=4.9km az=28.9.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=2.1km az=116.0.
ISC VII 12 18 49 20.9–.57 43.61N–.05 84.66E–.04 10 3.6b 47 2-81
SOME VII 12 18 49 03.9 43.07N 85.37E 20 3.6b ¶601275884
IDC VII 12 18 49 16.2–.82 43.45N 84.90E 0 3.7,3.7
BJI VII 12 18 49 19.2 43.46N 84.72E 12 4.1b,4.0b
NNC VII 12 18 49 20.6–2.1 43.53N 84.55E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=10.7km az=56.0.
NNC Event type se. Error ellipse: s-maj=18.6km s-min=9.8km az=123.0.
NNC VII 13 13 28 12.6–3.3 43.95N 85.91E 0 3.6b,3.3
¶601276163

NNC Event type se. Error ellipse: s-maj=25.1km s-min=15.3km az=110.0.
ISC VII 14 06 14 19.8–2.3 44.61N–.08 82.3E–.10 10 16 2-4
SOME VII 14 06 14 22.0 44.62N 82.07E 5 ¶601276267
ISCJB VII 14 06 14 23.5–1.5 44.62N–.07 82.3E–.10 10
NNC VII 14 06 14 23.6–1.5 44.69N 82.09E 0 3.1b,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=5.5km az=34.6.
NNC Event type se. Error ellipse: s-maj=21.9km s-min=3.4km az=117.0.
ISC VII 14 06 20 18.8–1.0 44.14N–.04 81.71E–.05 10 60 1-18
SOME VII 14 06 20 15.3 44.17N 81.93E 0 ¶601276269
IDC VII 14 06 20 19.0–1.8 44.27N 81.56E 0 3.6,3.6
NNC VII 14 06 20 20.1–1.3 44.26N 81.56E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=12.0km az=126.0.
NNC Event type se. Error ellipse: s-maj=17.1km s-min=4.3km az=123.0.
ISC VII 16 13 13 24.6–2.5 44.66N–.06 82.18E–.09 6–18 22 2-4
SOME VII 16 13 13 22.8 44.65N 82.32E 10 ¶601404350
NNC VII 16 13 13 26.3–.74 44.69N 82.06E 0 3.2b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.2km s-min=1.7km az=117.0.
ISC VII 16 19 56 11.7–2.8 43.4N–.10 84.3E–.10 10 18 3-4
SOME VII 16 19 56 10.2 44.23N 84.48E 10 ¶601404989
NNC VII 16 19 56 10.6–2.3 43.46N 84.45E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=9.5km az=127.0.
ISC VII 17 06 46 25.7–1.9 43.70N–.08 83.23E–.08 10 20 2-4
SOME VII 17 06 46 23.6 43.58N 83.33E 0 ¶601405052
NNC VII 17 06 46 30.5–4.8 43.80N 83.09E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.8km s-min=15.8km az=128.0.
ISC VII 19 11 05 06.3–2.4 44.26N–.09 83.1E–.10 17 11 2-3
NNC VII 19 11 05 02.0–5.2 44.28N 83.11E 0 2.6b,2.3 ¶601453669
SOME VII 19 11 05 05.2 44.40N 82.87E 0 2.6b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.1km s-min=16.3km az=119.0.
ISC VII 19 11 50 03.5–2.0 44.27N–.07 81.68E–.09 12–13 12 1-3
SOME VII 19 11 50 02.8 44.23N 81.72E 0 ¶601453678
NNC VII 19 11 50 04.5–2.0 44.34N 81.63E 0 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=4.4km az=124.0.
ISC VII 19 13 01 22.9–2.2 44.53N–.07 82.3E–.10 2–15 21 2-4
SOME VII 19 13 01 24.5 44.68N 82.22E 20 ¶601453687
NNC VII 19 13 01 25.4–1.3 44.74N 81.94E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=7.3km az=121.0.
ISC VII 19 13 48 37.0–.97 43.18N–.09 85.35E–.06 10 3.7b 19 2-80
BJI VII 19 13 48 35.3 42.91N 85.39E 7 3.8b,3.7L ¶601451948
IDC VII 19 13 48 36.8–1.2 43.34N 85.38E 0 3.7,3.7b
NNC VII 19 13 48 36.7–1.9 43.10N 85.23E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=61.2km s-min=12.8km az=55.0.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=10.6km az=116.0.
ISC VII 20 10 34 28.5–2.1 44.65N–.04 81.92E–.09 17–16 37 2-5
SOME VII 20 10 34 26.4 44.78N 81.98E 0 ¶601457672
NNC VII 20 10 34 26.7–1.2 44.65N 82.08E 0 3.7b,3.3

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.0km s-min=4.0km az=117.0.
ISC VII 21 01 05 18.1–.32 43.32N–.03 82.71E–.02 10 4.3b,3.2s 261 2-96
SOME VII 21 01 05 16.9 43.25N 82.77E 10 3.3s,3.2s **¶601453736**
ISCJB VII 21 01 05 17.0–.19 43.37N–.03 82.83E–.03 10 4.3b,3.2s
IDC VII 21 01 05 16.3–.58 43.28N 82.76E 0 4.2,4.0
BJI VII 21 01 05 17.8 43.36N 82.72E 9 4.5b,4.5b
MOS VII 21 01 05 17.6–1.0 43.37N 82.81E 17 4.6b,4.5b
NEIC VII 21 01 05 18.5–.28 43.33N 82.84E 10 4.5b,4.5b
NNC VII 21 01 05 26.2–2.6 43.56N 82.33E 30–15 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=0.2.
IDC Error ellipse: s-maj=14.2km s-min=10.8km az=35.0.
MOS Error ellipse: s-maj=6.6km s-min=5.1km az=110.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=165.0.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=8.4km az=128.0.
ISC VII 22 03 32 22.1–2.3 44.59N–.06 82.18E–.10 1–14 20 2-4
SOME VII 22 03 32 21.5 44.67N 82.23E 15 **¶601465816**
NNC VII 22 03 32 23.7–3.3 44.71N 82.08E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=44.6km s-min=12.2km az=118.0.
ISC VII 22 05 54 17.7–1.7 44.67N–.06 82.22E–.09 10 20 2-4
SOME VII 22 05 54 18.2 44.68N 82.13E 5 **¶601465830**
NNC VII 22 05 54 21.0–1.4 44.76N 82.03E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=5.5km az=118.0.
ISC VII 22 10 31 44.5–2.4 43.29N–.09 81.89E–.09 12–12 25 1-4
SOME VII 22 10 31 43.2 43.50N 81.90E 5 **¶601465868**
NNC VII 22 10 31 43.9–2.1 43.18N 82.09E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.1km s-min=6.7km az=147.0.
ISC VII 22 11 52 18.2–2.2 44.24N–.07 81.92E–.09 13–14 12 2-3
SOME VII 22 11 52 22.8 44.28N 81.73E 15 **¶601518295**
NNC VII 22 11 52 23.6–13 44.34N 81.63E 0–83 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=132.9km s-min=38.1km az=126.0.
ISC VII 22 18 33 51.0–1.8 44.27N–.06 81.72E–.08 31–18 30 1-4
SOME VII 22 18 33 53.5 44.33N 81.38E 10 **¶601467846**
NNC VII 22 18 33 53.8–3.4 44.56N 81.39E 24–45 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.0km s-min=18.0km az=22.0.
ISC VII 22 21 35 03.9–1.8 44.10N–.05 81.25E–.07 6–12 26 1-3
SOME VII 22 21 35 05.8 44.23N 81.15E 15 **¶601467859**
NNC VII 22 21 35 06.4–9.7 44.48N 81.05E 30–179 2.8b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=95.5km s-min=45.9km az=25.0.
ISC VII 24 04 25 40.4–2.0 44.63N–.07 82.4E–.10 35 17 2-3
SOME VII 24 04 25 35.2 44.65N 82.33E 20 **¶601472432**
NNC VII 24 04 25 37.1–.64 44.71N 82.28E 0 2.8b,2.4
ISCJB VII 24 04 25 38.7–1.3 44.60N–.06 82.4E–.10 33 2.8b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VII 24 05 16 08.1–2.6 44.88N–.07 82.8E–.10 10 14 2-4
SOME VII 24 05 16 08.4 44.88N 82.78E 20 **¶601472437**
NNC VII 24 05 16 08.3–3.0 44.81N 82.68E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=14.8km az=108.0.
ISC VII 24 06 43 06.9–2.2 44.68N–.05 82.21E–.08 11–16 29 2-4
SOME VII 24 06 43 07.6 44.67N 82.27E 15 **¶601472444**
NNC VII 24 06 43 10.7–2.1 44.74N 82.13E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.9km s-min=4.6km az=118.0.
ISC VII 24 06 50 28.1–1.8 44.81N–.06 81.37E–.07 2–18 18 1-3
SOME VII 24 06 50 30.2 44.73N 81.35E 25 **¶601472445**
NNC VII 24 06 50 31.7–.76 44.92N 81.16E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=2.5km az=118.0.
ISC VII 26 04 50 00.7–2.5 43.3N–.10 81.68E–.10 10 17 2-4
SOME VII 26 04 49 56.9 43.27N 81.88E 5 **¶601483866**
NNC VII 26 04 49 59.2–3.5 43.25N 81.78E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.7km s-min=12.4km az=145.0.
ISC VII 26 05 58 46.5–2.1 44.18N–.06 81.63E–.09 6–14 18 1-3
NNC VII 26 05 58 47.3–6.0 44.17N 81.62E 0 2.5b,2.2 **¶601483885**
SOME VII 26 05 58 48.4 44.25N 81.58E 15 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=89.7km s-min=12.7km az=125.0.
ISC VII 26 11 52 31.0–2.6 43.1N–.10 81.97E–.10 7–14 14 2-4
NNC VII 26 11 52 32.8–2.8 43.19N 81.94E 0 3.0b,2.7 **¶601483939**
SOME VII 26 11 52 34.3 43.35N 81.78E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=8.9km az=143.0.
ISC VII 26 12 04 42.6–2.5 44.22N–.09 83.0E–.10 17 13 2-3
NNC VII 26 12 04 36.8–2.8 44.26N 83.17E 0 2.5b,2.2 **¶601483940**
SOME VII 26 12 04 41.4 44.45N 83.02E 15 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=10.6km az=125.0.
ISC VII 26 17 07 47.0–1.6 44.10N–.05 81.21E–.07 28–15 22 1-3
SOME VII 26 17 07 45.8 44.12N 81.15E 5 **¶601485305**
NNC VII 26 17 07 47.2–999 44.21N 81.39E 40–999 2.7b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10000.0km s-min=10000.0km az=143.0.
ISC VII 27 12 02 58.0–2.0 44.22N–.06 81.58E–.10 10 12 1-3
SOME VII 27 12 02 56.4 44.18N 81.73E 10 **¶601533998**
NNC VII 27 12 02 58.6–1.1 44.34N 81.51E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=3.9km az=126.0.
ISC VII 28 12 26 27.2–1.6 43.61N–.07 84.70E–.07 10 32 3-16
SOME VII 28 12 26 24.1 43.57N 84.80E 5 **¶601485537**
IDC VII 28 12 26 28.2–5.2 43.62N 84.55E 24–25 3.3,3.2
NNC VII 28 12 26 30.9–2.5 43.64N 84.48E 20–9 3.6b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=29.0km az=37.0.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=6.6km az=121.0.
ISC VII 29 18 57 42.3–2.6 43.44N–.08 81.50E–.09 15–15 31 1-4
SOME VII 29 18 57 46.5 43.52N 81.22E 15 **¶601497894**
NNC VII 29 18 57 50.2–6.5 43.47N 80.99E 0 2.8b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=82.0km s-min=27.2km az=153.0.
ISC VII 30 11 35 15.2–2.2 44.03N–.09 84.1E–.10 20 18 3-8
NNC VII 30 11 35 12.9–2.6 44.07N 83.83E 0 2.9b,2.6 **¶601497997**
SOME VII 30 11 35 14.5 44.13N 83.88E 15 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=10.5km az=118.0.
ISC VII 31 01 00 37.1–1.8 44.13N–.05 81.39E–.07 9–13 22 1-3
SOME VII 31 01 00 38.4 44.15N 81.38E 5 **¶601503150**
NNC VII 31 01 00 38.7–1.8 44.15N 81.38E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=3.9km az=128.0.
ISC VII 31 10 10 23.7–2.1 44.74N–.08 82.2E–.10 35 11 2-3
SOME VII 31 10 10 18.8 44.72N 82.15E 20 **¶601503236**
NNC VII 31 10 10 19.4–2.2 44.78N 81.80E 0 3.0b,2.5
ISCJB VII 31 10 10 21.9–1.3 44.73N–.07 82.3E–.10 33 3.0b,2.5
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 03 15 12 13.8–1.7 44.17N–.05 81.38E–.07 17–13 18 1-3
SOME VIII 03 15 12 14.7 44.17N 81.30E 5 **¶601520186**
NNC VIII 03 15 12 14.2–2.9 44.21N 81.29E 0 2.6b,2.4
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=50.1km s-min=6.4km az=127.0.
ISC VIII 04 14 15 20.7–4.0 44.61N–.07 82.1E–.10 3–28 15 2-3
SOME VIII 04 14 15 20.7 44.77N 82.00E 5 **¶601520333**
NNC VIII 04 14 15 20.7–1.5 44.68N 81.87E 0 3.3b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=4.5km az=117.0.
ISC VIII 05 01 50 37.2–.38 42.52N–.04 85.78E–.02 10 4.2b,3.3s 226 2-146
ISCJB VIII 05 01 50 34.8–.29 42.49N–.04 85.91E–.04 10 4.2b,3.4s **¶601520344**
IDC VIII 05 01 50 35.3–.59 42.45N 85.79E 0 4.1,4.0
MOS VIII 05 01 50 37.7–1.1 42.54N 85.83E 27 4.5b,4.0
NEIC VIII 05 01 50 37.8–1.8 42.44N 85.93E 21–13 4.5b,4.0
BJI VIII 05 01 50 38.2 42.43N 85.75E 20 4.2b,4.2L
NNC VIII 05 01 50 41.7–1.4 42.74N 85.68E 26–6 4.4b,4.3
SOME VIII 05 01 50 43.0 42.92N 85.48E 0 3.3s,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=173.2.
IDC Error ellipse: s-maj=18.1km s-min=11.1km az=36.0.
MOS Error ellipse: s-maj=8.8km s-min=5.0km az=130.9.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=177.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=109.0.
ISC VIII 05 10 47 40.6–2.3 43.17N–.09 81.84E–.08 11–12 27 1-4
SOME VIII 05 10 47 40.5 43.40N 81.88E 10 **¶601521514**
NNC VIII 05 10 47 42.2–1.9 43.15N 82.09E 20–8 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=5.6km az=136.0.
ISC VIII 05 21 42 35.3–2.7 42.4N–.10 81.79E–.09 10 14 2-4
SOME VIII 05 21 42 37.5 42.53N 81.75E 0 **¶601565835**
NNC VIII 05 21 42 40.1–2.0 42.18N 81.38E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=9.0km az=159.0.
ISC VIII 06 04 17 41.1–3.1 43.5N–.10 85.0E–.10 10 16 3-5
SOME VIII 06 04 17 41.4 43.25N 84.45E 0 **¶601531783**
NNC VIII 06 04 17 41.8–3.6 43.52N 84.62E 0 3.5b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=15.0km az=115.0.
ISC VIII 06 13 19 28.4–2.1 44.62N–.07 82.3E–.10 28–21 18 2-3
SOME VIII 06 13 19 27.6 44.62N 82.25E 15 **¶601531830**
NNC VIII 06 13 19 29.7–2.1 44.67N 82.24E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.3km s-min=5.2km az=116.0.
ISC VIII 08 01 52 43.2–1.7 43.57N–.09 85.10E–.08 10 30 4-15
IDC VIII 08 01 52 43.8–3.9 43.70N 85.17E 0 3.3,3.3 **¶601534223**
NNC VIII 08 01 52 44.8–2.0 43.55N 84.78E 0 3.5b,3.2
SOME VIII 08 01 52 46.9 43.23N 84.47E 15 3.5b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=26.0km az=36.0.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=7.9km az=117.0.
ISC VIII 08 13 05 14.1–2.6 44.65N–.06 82.19E–.09 2–19 18 2-4
SOME VIII 08 13 05 15.0 44.65N 82.15E 15 **¶601534285**
NNC VIII 08 13 05 16.8–1.2 44.68N 82.10E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=4.6km az=118.0.
ISC VIII 09 07 30 44.4–1.7 44.11N–.09 82.59E–.08 10 32 2-5
SOME VIII 09 07 30 41.0 43.90N 82.82E 10 **¶601551058**
NNC VIII 09 07 30 47.3–2.9 44.23N 82.42E 18–11 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.2km s-min=5.8km az=121.0.
ISC VIII 09 08 17 31.9–2.9 43.4N–.10 84.6E–.10 10 18 3-8
SOME VIII 09 08 17 22.5 43.82N 85.00E 15 **¶601551062**
NNC VIII 09 08 17 34.8–3.0 43.52N 84.39E 11–9 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.5km s-min=16.1km az=112.0.
ISC VIII 09 19 29 56.2–1.6 44.45N–.08 83.03E–.08 17 13 2-3
SOME VIII 09 19 29 51.6 44.27N 83.30E 10 **¶601553796**
NNC VIII 09 19 29 60.0–4.6 44.57N 82.74E 0 2.8b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.8km s-min=14.2km az=111.0.
ISC VIII 10 16 13 42.9–1.4 43.49N–.05 81.69E–.04 17–10 52 1-82
IDC VIII 10 16 13 39.5–1.9 43.38N 81.56E 0 3.5b,3.5 **¶601551100**
SOME VIII 10 16 13 44.2 43.52N 81.67E 5 3.5b,3.5
BJI VIII 10 16 13 44.9 43.48N 81.88E 7 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=16.0km az=74.0.
ISC VIII 13 18 40 35.3–3.7 43.1N–.10 84.9E–.10 10 12 3-4
SOME VIII 13 18 40 35.9 43.22N 85.03E 15 **¶601563919**
NNC VIII 13 18 40 37.8–9.6 43.54N 85.73E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=74.4km s-min=38.0km az=123.0.
ISC VIII 14 05 30 48.9–1.6 44.46N–.06 84.17E–.09 10 36 3-12
NNC VIII 14 05 30 47.4–1.4 44.43N 84.32E 0 3.8b,3.5 **¶601563963**
SOME VIII 14 05 30 50.5 44.50N 83.63E 15 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=5.6km az=110.0.
ISC VIII 14 06 16 31.2–2.1 43.78N–.09 84.16E–.09 10 29 3-7
SOME VIII 14 06 16 27.9 43.70N 84.27E 10 **¶601563969**
NNC VIII 14 06 16 30.2–4.2 43.72N 84.25E 18–15 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=10.5km az=120.0.
ISC VIII 14 22 45 47.0–2.2 43.62N–.08 84.63E–.09 10 26 3-10
SOME VIII 14 22 45 45.5 43.65N 84.78E 10 **¶601564711**
NNC VIII 14 22 45 49.5–3.9 43.68N 84.50E 26–17 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.4km s-min=13.0km az=115.0.
ISC VIII 15 04 02 30.5–3.2 44.1N–.10 83.4E–.20 20 13 3-3
SOME VIII 15 04 02 28.2 44.40N 82.87E 5 **¶601564739**
NNC VIII 15 04 02 34.1–4.7 44.45N 82.44E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=68.0km s-min=19.5km az=117.0.
ISC VIII 15 15 28 12.6–2.1 43.96N–.09 83.5E–.10 20 18 2-4
NNC VIII 15 15 28 08.2–4.9 44.01N 83.51E 0 2.7b,2.4 **¶601564809**
SOME VIII 15 15 28 10.5 43.95N 83.38E 15 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.8km s-min=17.9km az=128.0.
ISC VIII 15 16 38 47.5–2.7 43.9N–.10 83.4E–.10 24 12 2-3
NNC VIII 15 16 38 51.3–4.8 44.25N 82.77E 0 2.7b,2.3 **¶601565233**
SOME VIII 15 16 38 52.1 44.03N 83.00E 20 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=54.2km s-min=15.5km az=121.0.
ISC VIII 17 00 14 23.0–1.3 44.38N–.04 81.16E–.05 1–11 55 1-7
SOME VIII 17 00 14 25.4 44.43N 81.02E 25 **¶601566355**
NNC VIII 17 00 14 25.8–1.3 44.41N 80.91E 2–8 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=3.5km az=121.0.
ISC VIII 17 05 47 01.5–2.6 43.5N–.10 85.1E–.10 10 23 3-8
SOME VIII 17 05 47 02.9 43.68N 84.73E 10 **¶601566373**
NNC VIII 17 05 47 03.4–2.2 43.65N 84.62E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=9.1km az=111.0.
ISC VIII 17 23 12 40.4–2.4 43.5N–.10 84.40E–.10 10 18 3-8
SOME VIII 17 23 12 32.8 43.47N 85.05E 20 **¶601566454**
NNC VIII 17 23 12 38.7–2.0 43.49N 84.51E 9–8 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=7.9km az=116.0.
ISC VIII 18 12 29 37.3–2.6 44.68N–.06 82.21E–.09 9–22 19 2-4
ISCJB VIII 18 12 29 38.4–2.0 44.60N–.07 82.3E–.10 2–17 **¶601566517**
SOME VIII 18 12 29 38.9 44.70N 82.03E 15
NNC VIII 18 12 29 38.9–1.7 44.64N 82.05E 0 3.4b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=6.3km az=30.7.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=11.3km az=118.0.
ISC VIII 19 00 53 27.6–2.1 44.66N–.05 82.17E–.09 5–14 18 2-3

SOME VIII 19 00 53 26.4 44.60N 82.20E 5 ¶601589399
NNC VIII 19 00 53 29.6–1.2 44.68N 82.16E 0 3.2b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=2.9km az=117.0.
ISC VIII 19 13 05 47.9–1.5 44.71N–.07 82.09E–.07 10 16 2-4
SOME VIII 19 13 05 44.8 44.63N 82.15E 5 ¶601589456
NNC VIII 19 13 05 47.1–1.3 44.69N 82.20E 0 3.3b,2.8
ISCJB VIII 19 13 05 49.2–1.4 44.69N–.07 82.2E–.10 10 3.3b,2.8
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 20 02 39 10.9–2.6 44.56N–.10 82.5E–.10 35 12 2-3
SOME VIII 20 02 39 09.1 44.67N 82.17E 20 ¶601671346
NNC VIII 20 02 39 10.7–1.5 44.83N 81.78E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.5km s-min=5.5km az=117.0.
ISC VIII 20 11 47 45.8–2.1 44.18N–.08 81.68E–.10 33 15 1-4
SOME VIII 20 11 47 43.6 44.18N 81.72E 10 ¶601671328
NNC VIII 20 11 47 45.8–2.2 44.32N 81.54E 0 2.6b,2.3
ISCJB VIII 20 11 47 50.6–1.4 44.19N–.08 81.6E–.10 33 2.6b,2.3
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 20 13 18 59.6–2.3 45.82N–.09 84.8E–.10 10 12 2-6
SOME VIII 20 13 18 57.7 45.88N 84.88E 0 ¶601610501
NNC VIII 20 13 19 01.1–1.7 45.75N 84.91E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=11.5km az=114.0.
ISC VIII 22 05 47 17.4–1.4 44.72N–.05 82.18E–.08 10 34 2-5
SOME VIII 22 05 47 19.6 44.75N 81.97E 10 ¶601615546
NNC VIII 22 05 47 19.2–1.7 44.72N 82.15E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.7km s-min=4.9km az=116.0.
ISC VIII 22 21 02 18.5–2.8 43.4N–.10 84.9E–.10 10 19 3-5
SOME VIII 22 21 02 20.8 43.48N 84.88E 10 ¶601625784
NNC VIII 22 21 02 27.4–4.2 43.58N 84.50E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=13.9km az=119.0.
ISC VIII 23 11 49 46.8–2.7 44.45N–.08 82.9E–.10 1–16 14 2-3
SOME VIII 23 11 49 48.0 44.33N 82.85E 5 ¶601625855
NNC VIII 23 11 49 53.2–3.0 44.55N 82.75E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.6km s-min=9.5km az=119.0.
ISC VIII 23 11 51 26.7–1.7 44.29N–.05 81.71E–.08 18–12 18 1-3
SOME VIII 23 11 51 29.7 44.40N 81.33E 15 ¶601625856
NNC VIII 23 11 51 30.2–4.2 44.32N 81.48E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=78.3km s-min=12.1km az=126.0.
ISC VIII 23 11 56 49.8–1.7 44.71N–.05 82.27E–.07 3–14 44 2-5
SOME VIII 23 11 56 53.2 44.75N 82.00E 15 ¶601676506
NNC VIII 23 11 56 54.0–1.1 44.76N 82.09E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=2.6km az=116.0.
ISC VIII 23 12 36 24.0–3.5 42.1N–.10 81.26E–.08 11–16 21 2-5
SOME VIII 23 12 36 22.1 42.30N 81.47E 5 ¶601676508
NNC VIII 23 12 36 23.0–2.2 42.11N 81.49E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=8.2km az=162.0.
ISC VIII 24 05 18 31.6–2.7 44.53N–.08 82.3E–.10 6–19 21 2-4
SOME VIII 24 05 18 31.4 44.65N 82.12E 10 ¶601627562
NNC VIII 24 05 18 34.0–1.8 44.77N 81.77E 0 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.0km s-min=6.8km az=118.0.
ISC VIII 24 13 15 43.1–2.3 44.67N–.05 82.12E–.08 3–14 42 2-6
SOME VIII 24 13 15 44.5 44.62N 82.12E 25 ¶601627529
NNC VIII 24 13 15 45.6–1.1 44.82N 81.74E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=4.6km az=117.0.
ISC VIII 25 11 55 51.4–2.4 44.59N–.06 82.32E–.10 5–18 26 2-4
SOME VIII 25 11 55 52.3 44.53N 82.28E 25 ¶601627642
NNC VIII 25 11 55 54.0–.75 44.67N 82.15E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=2.1km az=117.0.
ISC VIII 25 12 36 40.6–3.2 42.2N–.10 81.22E–.07 3–17 27 1-5
SOME VIII 25 12 36 35.2 42.07N 81.77E 25 ¶601695569
NNC VIII 25 12 36 38.6–3.4 42.11N 81.44E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.9km s-min=12.1km az=153.0.
ISC VIII 26 12 52 45.3–2.0 44.18N–.07 81.84E–.09 34–4 18 1-4
SOME VIII 26 12 52 45.3 44.27N 81.58E 5 ¶601696904
NNC VIII 26 12 52 47.3–1.3 44.35N 81.49E 0 2.6b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=6.3km az=126.0.
ISC VIII 26 23 01 41.0–1.6 44.34N–.07 83.30E–.08 10 24 2-4
NNC VIII 26 23 01 35.8–6.0 44.19N 83.85E 0 2.7b,2.4 ¶601629637
SOME VIII 26 23 01 47.3 44.47N 82.77E 10 2.7b,2.4
ISCJB VIII 26 23 01 51.3–1.3 44.39N–.09 83.0E–.10 10 2.7b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 27 02 50 33.4–3.4 42.0N–.20 83.6E–.10 15 11 3-5
SOME VIII 27 02 50 18.2 41.02N 83.37E 5 ¶601629673
NNC VIII 27 02 50 27.7–4.7 41.87N 83.42E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.4km s-min=13.3km az=147.0.
ISC VIII 27 11 47 24.9–1.8 44.38N–.05 81.97E–.08 11–13 26 1-4
SOME VIII 27 11 47 27.9 44.37N 81.77E 15 ¶601629700
NNC VIII 27 11 47 29.1–3.3 44.44N 81.65E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=61.0km s-min=9.0km az=124.0.
ISC VIII 27 13 11 11.4–2.4 42.8N–.10 81.98E–.09 10 20 2-4
SOME VIII 27 13 11 12.2 42.83N 82.00E 15 ¶601629711
NNC VIII 27 13 11 18.2–5.5 43.42N 81.71E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.3km s-min=12.9km az=137.0.
ISC VIII 27 14 17 01.0–2.1 44.38N–.09 81.8E–.10 30–18 14 1-2
NNC VIII 27 14 17 01.2–.76 44.68N 81.32E 0 2.6b,2.2 ¶601629714
SOME VIII 27 14 17 02.1 44.48N 81.50E 10 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=4.3km az=122.0.
ISC VIII 27 21 27 43.4–2.1 43.88N–.08 82.74E–.07 0–15 25 2-4
SOME VIII 27 21 27 44.3 43.87N 82.77E 10 ¶601645519
NNC VIII 27 21 27 48.9–3.9 44.18N 82.31E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.4km s-min=12.2km az=119.0.
ISC VIII 28 10 32 44.5–2.1 43.58N–.08 82.25E–.10 10 17 2-4
SOME VIII 28 10 32 45.9 43.60N 82.27E 15 ¶601645582
NNC VIII 28 10 32 47.8–3.2 43.77N 82.08E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.8km s-min=8.5km az=123.0.
ISC VIII 28 12 07 45.7–1.9 44.03N–.09 82.09E–.09 10 17 2-4
SOME VIII 28 12 07 43.5 44.05N 82.30E 10 ¶601702734
NNC VIII 28 12 07 47.5–1.7 44.08N 82.01E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=5.8km az=127.0.
ISC VIII 29 04 22 03.2–1.7 43.67N–.06 82.21E–.06 14–11 56 1-7
SOME VIII 29 04 22 02.2 43.53N 82.30E 5 ¶601664154
NNC VIII 29 04 22 05.3–2.1 43.84N 82.08E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=5.1km az=131.0.
ISC VIII 29 16 03 25.2–.73 43.80N–.07 85.33E–.05 10 3.7b 45 2-81

IDC VIII 29 16 03 22.6–.88 43.69N 85.32E 0 3.8b,3.8 ¶601645615
ISCJB VIII 29 16 03 23.3–.53 43.90N–.06 85.31E–.05 10 3.8b,3.8
NNC VIII 29 16 03 25.1–5.3 43.82N 85.36E 0 3.9b,3.6
BJI VIII 29 16 03 26.0 43.63N 85.27E 10 3.9b,3.5L
NEIC VIII 29 16 03 28.2–1.6 43.80N 85.41E 38–13 4.3b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=11.5km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.9km az=18.1.
NNC Event type se. Error ellipse: s-maj=48.3km s-min=21.8km az=129.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.7km az=196.0.
ISC VIII 30 15 07 44.7–.74 44.23N–.04 83.72E–.03 10 3.7b 67 3-82
IDC VIII 30 15 07 43.3–.97 44.22N 83.94E 0 4.0,3.8 ¶601664234
NNC VIII 30 15 07 45.3–4.0 44.32N 83.54E 0 3.8b,3.8
BJI VIII 30 15 07 45.8 44.23N 83.70E 7 3.6L,3.8
SOME VIII 30 15 07 47.2 44.28N 83.33E 10 3.6L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=11.5km az=62.0.
NNC Event type se. Error ellipse: s-maj=35.9km s-min=15.3km az=115.0.
ISC VIII 31 09 12 53.2–.43 46.57N–.03 86.63E–.03 10 4.0b,3.4s 129 1-79
IDC VIII 31 09 12 49.1–.82 46.59N 86.94E 0 4.1,4.0 ¶601666275
NEIC VIII 31 09 12 52.2–.53 46.66N 86.63E 10 4.1L,4.1b
MOS VIII 31 09 12 52.7–1.3 46.61N 86.31E 11 4.6b,4.1b
ISCJB VIII 31 09 12 52.4–.36 46.66N–.03 86.39E–.05 10 4.1b,3.4s
BJI VIII 31 09 12 53.5 46.54N 86.87E 5 4.2b,4.1L
NNC VIII 31 09 12 54.8–1.6 46.78N 86.47E 16–7 4.2b,3.9
SOME VIII 31 09 12 56.2 46.28N 85.57E 5 4.2b,3.9
ASRS VIII 31 09 12 57.2–1.8 46.80N 86.95E 15 3.3s,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=11.2km az=6.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.8km az=127.0.
MOS Error ellipse: s-maj=7.6km s-min=5.3km az=85.8.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=30.4.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=4.8km az=103.0.
ISC VIII 31 12 22 27.1–3.4 42.1N–.10 81.4E–.10 25–18 22 2-5
NNC VIII 31 12 22 22.5–3.3 41.97N 81.87E 0 3.2b,2.7 ¶601713925
SOME VIII 31 12 22 24.8 42.23N 81.62E 10 3.2b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.0km s-min=13.1km az=157.0.
ISC IX 01 06 47 14.8–.33 43.62N–.03 84.75E–.02 32 4.3b,3.5s 254 2-154
IDC IX 01 06 47 08.5–.50 43.39N 84.77E 0 4.2,4.2 ¶601668343
BJI IX 01 06 47 10.0 43.44N 84.67E 8 4.8L,4.5b
ISCJB IX 01 06 47 12.9–.20 43.73N–.02 84.71E–.03 32 4.3b,3.6s
MOS IX 01 06 47 13.0–1.1 43.56N 84.69E 40 4.6b,3.6s
NNC IX 01 06 47 14.7–1.4 43.70N 84.35E 0 4.9b,4.7
NEIC IX 01 06 47 14.9–.59 43.59N 84.74E 39–5 4.4b,4.7
SOME IX 01 06 47 14.0 43.60N 84.43E 15 3.5s,4.7
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=8.7km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.7km az=28.5.
MOS Error ellipse: s-maj=7.3km s-min=5.2km az=123.0.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=6.5km az=113.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=188.0.
ISC IX 03 03 38 60.0–2.6 43.8N–.10 84.8E–.10 25 15 3-8
SOME IX 03 03 38 59.5 43.88N 84.42E 10 ¶601675089
NNC IX 03 03 39 01.6–5.3 43.99N 84.47E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.9km s-min=18.6km az=126.0.
ISC IX 04 12 23 03.4–4.0 42.3N–.10 81.9E–.10 10–18 23 2-5
SOME IX 04 12 23 05.8 42.23N 81.80E 15 ¶601721767
NNC IX 04 12 23 06.0–2.3 42.00N 81.60E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.9km s-min=12.2km az=144.0.
ISC IX 05 09 08 31.0–1.6 44.2N–.10 87.01E–.08 10 13 4-14
IDC IX 05 09 08 29.4–3.7 44.33N 86.83E 0 3.1,3.1 ¶601687228
SOME IX 05 09 08 32.5 44.18N 86.55E 5 3.1,3.1
NNC IX 05 09 08 32.6–7.3 44.18N 86.71E 0 3.4b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=25.9km az=21.0.
NNC Event type se. Error ellipse: s-maj=52.0km s-min=31.8km az=104.0.
ISC IX 09 18 43 54.7–3.2 43.7N–.10 87.3E–.20 10 16 4-9
SOME IX 09 18 44 00.4 44.18N 86.62E 5 ¶601707310
NNC IX 09 18 44 03.8–2.4 44.24N 86.69E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=12.6km az=120.0.
ISC IX 10 12 27 58.4–3.5 44.53N–.09 82.3E–.10 3–27 17 2-3
SOME IX 10 12 27 59.5 44.72N 82.12E 15 ¶601707435
NNC IX 10 12 28 01.4–1.0 44.72N 81.97E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=3.6km az=114.0.
ISC IX 11 05 57 56.0–1.5 44.33N–.07 82.94E–.07 17 19 2-4
NNC IX 11 05 57 51.6–3.5 44.25N 83.11E 0 2.6b,2.3 ¶601712437
SOME IX 11 05 57 56.9 44.30N 82.75E 5 2.6b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.7km s-min=11.4km az=121.0.
ISC IX 13 11 19 48.6–2.1 44.70N–.07 82.4E–.10 15–17 15 2-3
SOME IX 13 11 19 50.4 44.85N 82.13E 20 ¶601717505
NNC IX 13 11 19 51.2–2.4 44.69N 81.78E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.5km s-min=10.5km az=120.0.
ISC IX 13 12 51 58.5–2.0 44.09N–.07 81.83E–.10 30–16 17 1-3
SOME IX 13 12 51 59.1 44.25N 81.58E 10 ¶601717521
NNC IX 13 12 52 00.5–1.3 44.35N 81.52E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=4.8km az=121.0.
ISC IX 13 15 22 55.7–2.4 44.21N–.09 83.3E–.10 24 21 2-5
SOME IX 13 15 22 53.3 44.20N 83.33E 25 ¶601717541
NNC IX 13 15 22 53.7–3.8 44.21N 83.01E 0 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.9km s-min=9.9km az=118.0.
ISC IX 14 03 21 48.3–.42 43.56N–.03 82.36E–.02 30–3 4.9b,4.1s 671 2-160
ISCJB IX 14 03 21 45.0–.61 43.66N–.02 82.43E–.02 15–3 4.8b,4.1s ¶601714114
NEIC IX 14 03 21 45.4–.12 43.64N 82.43E 10 5.0b,4.1s
SOME IX 14 03 21 45.1 43.60N 82.28E 0 4.5s,4.1s
BJI IX 14 03 21 46.0 43.63N 82.34E 6 4.9L,4.7b
MOS IX 14 03 21 46.6–1.1 43.62N 82.42E 29 5.1b,4.2s
IDC IX 14 03 21 48.2–.50 43.68N 82.41E 28–3 4.7,4.7
GCMT IX 14 03 21 49.4–.40 43.74N–.03 82.44E–.03 37–1 4.9W,4.7
NNC IX 14 03 21 53.5–.70 43.84N 81.99E 31–4 5.2b,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.8km az=167.7.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.5km az=182.0.
MOS Error ellipse: s-maj=5.6km s-min=4.5km az=123.6.
IDC Error ellipse: s-maj=10.7km s-min=8.0km az=26.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s62,c74;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.55±.17 $M_{\theta\theta}$-2.62±.10; $M_{\phi\phi}$0.07±.10; $M_{r\theta}$0.59±.10; $M_{\theta\phi}$-0.31±.07; $M_{\phi r}$0.23±.11; Best double couple: NP1:ϕ_s80.00000°,δ52.00000°,λ85.00000°. NP2:ϕ_s267.00000°,δ39.00000°,λ96.00000°. Principal axes: T 2.6310,Plg82.0000° ,Azm324.0000°; N 0.0950,Plg4.0000°,Azm83.0000°; P -2.7270,Plg7.0000°,Azm173.0000° M_o2.67900×10^{16}
NNC Event type se. Error ellipse: s-maj=6.8km s-min=2.2km az=125.0.
ISC IX 14 03 31 32.7–1.8 43.55N–.06 82.32E–.06 2–10 3.6b 54 1-74
IDC IX 14 03 31 37.0–4.6 43.57N 82.21E 33–32 3.7,3.6 ¶601719208
SOME IX 14 03 31 38.7 43.70N 82.07E 10 3.7,3.6
NNC IX 14 03 31 40.2–1.1 43.78N 82.01E 15–4 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=22.8km az=93.0.
NNC Event type se. Error ellipse: s-maj=9.0km s-min=3.0km az=126.0.
ISC IX 14 04 50 08.5–1.8 43.69N–.06 82.26E–.06 13–11 41 1-9
SOME IX 14 04 50 08.7 43.65N 82.35E 5 ¶601719219
NNC IX 14 04 50 12.3–.97 43.82N 81.99E 20–4 3.6b,3.1

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=3.1km az=134.0.
ISC IX 14 05 39 48.3–2.6 43.6N–.10 83.4E–.10 10 17 2-3
SOME IX 14 05 39 42.8 43.82N 83.68E 10 ¶601719223
NNC IX 14 05 39 48.4–2.7 43.68N 83.44E 0–12 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=8.4km az=125.0.
ISC IX 14 12 13 39.9–2.0 44.7N–.10 82.2E–.10 8–28 12 2-3
SOME IX 14 12 13 39.7 44.77N 82.25E 20 ¶601719270
NNC IX 14 12 13 40.8–1.9 44.70N 82.03E 0 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=7.6km az=117.0.
ISC IX 14 13 00 32.0–2.6 43.7N–.10 82.2E–.10 7–12 19 1-7
SOME IX 14 13 00 28.6 43.78N 82.40E 20 ¶601719278
NNC IX 14 13 00 37.3–3.1 43.87N 81.94E 26–12 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.2km s-min=7.0km az=121.0.
ISC IX 14 13 54 29.4–2.5 43.40N–.10 83.0E–.10 10 14 2-3
SOME IX 14 13 54 26.8 43.40N 83.12E 15 ¶601719284
NNC IX 14 13 54 26.9–5.3 43.39N 83.18E 0 2.6b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.8km s-min=25.7km az=133.0.
ISC IX 15 12 28 30.7–3.8 44.61N–.07 82.1E–.10 11–26 20 2-3
ISCJB IX 15 12 28 29.7–1.9 44.67N–.06 82.0E–.10 1–14 ¶601719471
SOME IX 15 12 28 29.6 44.58N 82.05E 30
NNC IX 15 12 28 30.1–1.5 44.70N 82.11E 0 3.4b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=5.5km az=29.9.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=3.9km az=117.0.
ISC IX 16 04 42 02.7–2.3 43.15N–.09 81.81E–.08 11–12 32 1-4
SOME IX 16 04 42 02.8 43.40N 81.90E 15 ¶601725023
NNC IX 16 04 42 02.5–1.4 43.21N 81.85E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=4.2km az=147.0.
ISC IX 16 10 25 10.5–1.8 44.75N–.05 82.13E–.08 1–14 20 2-3
ISCJB IX 16 10 25 12.9–1.9 44.73N–.06 82.2E–.20 0–15 ¶601724987
SOME IX 16 10 25 12.7 44.75N 82.13E 20
NNC IX 16 10 25 13.2–.68 44.74N 82.09E 0 2.9b,2.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=5.6km az=27.2.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=2.5km az=117.0.
ISC IX 16 11 08 52.1–2.6 43.75N–.09 82.21E–.10 9–14 16 1-3
SOME IX 16 11 08 51.3 43.85N 82.25E 5 ¶601768503
NNC IX 16 11 08 57.4–4.7 43.87N 81.86E 0 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.6km s-min=16.6km az=134.0.
ISC IX 16 12 19 47.7–1.9 44.70N–.05 82.14E–.08 1–14 26 2-4
SOME IX 16 12 19 48.4 44.70N 82.12E 10 ¶601724970
NNC IX 16 12 19 50.1–.81 44.68N 82.14E 0 3.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=1.8km az=117.0.
ISC IX 17 07 50 04.8–1.7 44.36N–.08 83.72E–.08 10 28 3-7
NNC IX 17 07 49 52.2–2.5 44.25N 83.97E 0 3.4b,3.0 ¶601725070
SOME IX 17 07 50 05.0 44.30N 83.75E 20 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.7km s-min=10.5km az=113.0.
ISC IX 17 08 59 07.8–1.5 44.86N–.04 81.20E–.06 11–12 29 1-4
NNC IX 17 08 59 08.4–1.1 44.95N 81.08E 0 2.7b,2.3 ¶601725082
SOME IX 17 08 59 09.3 44.78N 81.23E 25 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=7.4km az=118.0.
ISC IX 18 12 11 29.2–3.0 42.2N–.10 82.0E–.10 14 10 2-5
SOME IX 18 12 11 26.6 42.02N 82.15E 20 ¶601775952
NNC IX 18 12 11 33.1–3.3 42.24N 81.82E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=13.8km az=165.0.
ISC IX 19 05 37 30.1–2.6 44.28N–.09 83.1E–.10 17 18 2-3
SOME IX 19 05 37 30.3 44.33N 83.02E 20 ¶601735467
NNC IX 19 05 37 32.5–2.1 44.29N 83.05E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=6.4km az=118.0.
NNC IX 20 00 00 01.9–2.4 43.25N 87.21E 0 3.5b,3.1
¶601736332
NNC Event type se. Error ellipse: s-maj=18.2km s-min=14.2km az=104.0.
ISC IX 20 00 39 14.6–3.0 42.2N–.10 81.27E–.08 7–13 26 1-5
SOME IX 20 00 39 13.9 42.18N 81.40E 0 ¶601736385
NNC IX 20 00 39 15.2–1.4 42.24N 81.45E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=166.0.
ISC IX 20 04 14 16.3–2.2 44.64N–.07 82.4E–.10 4–20 18 2-3
SOME IX 20 04 14 19.2 44.73N 82.22E 20 ¶601736410
NNC IX 20 04 14 20.5–1.1 44.65N 82.28E 0 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=2.7km az=116.0.
ISC IX 20 14 07 11.8–2.8 44.0N–.10 83.8E–.10 20 13 3-4
NNC IX 20 14 07 05.6–4.1 44.13N 83.82E 0 2.7b,2.4 ¶601736464
SOME IX 20 14 07 10.5 44.13N 83.57E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.9km s-min=15.0km az=125.0.
ISC IX 21 05 53 32.2–2.0 44.69N–.07 82.3E–.10 1–16 16 2-17
SOME IX 21 05 53 30.7 44.67N 82.43E 10 ¶601738215
NNC IX 21 05 53 38.0–2.4 44.81N 81.87E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.6km s-min=12.0km az=117.0.
ISC IX 24 03 16 34.6–2.4 44.38N–.10 83.1E–.10 17 11 2-3
NNC IX 24 03 16 27.5–5.0 44.24N 83.17E 0 2.6b,2.2 ¶601794621
SOME IX 24 03 16 33.2 44.48N 82.92E 5 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.6km s-min=18.8km az=125.0.
ISC IX 24 10 36 40.4–2.6 43.33N–.10 81.91E–.10 17–13 26 2-4
SOME IX 24 10 36 41.4 43.37N 81.85E 0 ¶601740276
NNC IX 24 10 36 42.0–2.7 43.24N 81.99E 0 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=8.4km az=141.0.
ISC IX 24 11 19 58.7–2.9 43.1N–.10 82.0E–.10 4–15 20 2-4
SOME IX 24 11 19 58.6 43.37N 81.95E 0 ¶601740286
NNC IX 24 11 20 01.6–2.4 43.23N 81.96E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.3km s-min=7.5km az=142.0.
ISC IX 24 14 57 47.9–1.4 44.84N–.05 81.26E–.06 29–16 30 1-4
NNC IX 24 14 57 47.2–.67 44.86N 81.11E 0 2.7b,2.2 ¶601740316
SOME IX 24 14 57 48.8 44.92N 81.05E 20 2.7b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=2.1km az=118.0.
SOME IX 24 19 50 01.8 42.05N 81.25E 10
¶605528483
ISC IX 25 04 24 07.4–2.3 44.26N–.08 83.0E–.10 17 15 2-4
SOME IX 25 04 24 06.3 44.22N 83.13E 30 ¶601742200
NNC IX 25 04 24 07.0–4.1 44.34N 82.79E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.9km s-min=10.3km az=117.0.
ISC IX 26 12 39 05.5–2.5 44.28N–.07 81.50E–.08 8–16 17 1-3
SOME IX 26 12 39 04.4 44.33N 81.65E 20 ¶601751800
NNC IX 26 12 39 08.4–5.0 44.41N 81.26E 0 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=119.3km s-min=16.3km az=123.0.
ISC IX 27 10 43 18.9–1.1 43.41N–.09 85.23E–.05 10 20 2-40
IDC IX 27 10 43 16.7–2.9 43.28N 84.88E 0 3.8b,3.5 ¶601751831
ISCJB IX 27 10 43 17.1–1.0 43.50N–.09 85.29E–.06 10 3.6b,3.5
BJI IX 27 10 43 17.5 43.34N 85.17E 6 3.4L,3.5
NNC IX 27 10 43 19.4–1.5 43.47N 85.07E 0 3.8b,3.5

ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=24.1km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=5.6km az=16.8.
NNC Event type se. Error ellipse: s-maj=12.6km s-min=7.5km az=121.0.
ISC IX 27 12 11 03.0–1.3 44.64N–.06 82.29E–.06 10 33 2-5
SOME IX 27 12 11 06.4 44.77N 82.00E 5 ¶601767063
NNC IX 27 12 11 07.2–2.4 44.76N 81.81E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.8km s-min=8.5km az=118.0.
ISC IX 27 12 53 14.5–2.4 43.60N–.09 82.11E–.10 4–15 18 1-3
SOME IX 27 12 53 12.0 43.77N 82.37E 15 ¶601824423
NNC IX 27 12 53 14.1–6.5 43.34N 82.13E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=59.2km s-min=18.2km az=135.0.
ISC IX 27 13 01 06.9–1.2 44.83N–.04 81.24E–.06 10 23 1-3
SOME IX 27 13 01 04.9 44.78N 81.32E 0 ¶601767068
ISCJB IX 27 13 01 06.5–.88 44.91N–.05 81.51E–.08 10
NNC IX 27 13 01 07.9–.58 44.90N 81.13E 0 2.9b,2.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.5km az=31.4.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=3.6km az=119.0.
ISC IX 27 14 37 59.8–2.3 43.58N–.08 82.15E–.09 2–14 19 1-3
SOME IX 27 14 38 00.2 43.68N 82.08E 0 ¶601767076
NNC IX 27 14 38 02.0–1.8 43.64N 82.11E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=6.2km az=129.0.
ISC IX 28 06 22 06.5–3.5 44.64N–.06 82.3E–.10 1–26 22 2-3
SOME IX 28 06 22 07.9 44.68N 82.02E 0 ¶601769066
NNC IX 28 06 22 08.3–1.6 44.69N 82.31E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.7km s-min=3.7km az=116.0.
ISC IX 29 06 47 59.3–1.2 44.67N–.05 82.25E–.06 10 40 2-7
SOME IX 29 06 48 00.0 44.63N 82.20E 15 ¶601769208
NNC IX 29 06 48 02.2–1.9 44.74N 82.16E 0 3.5b,3.1
ISCJB IX 29 06 48 03.3–1.0 44.69N–.05 82.35E–.09 10 3.5b,3.1
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC IX 29 12 03 36.5–2.3 44.69N–.05 82.17E–.06 4–18 22 2-3
SOME IX 29 12 03 34.2 44.63N 82.22E 0 ¶601769255
NNC IX 29 12 03 38.7–.98 44.74N 82.12E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=2.6km az=116.0.
ISC IX 30 00 19 54.5–1.9 44.11N–.09 83.73E–.09 20 27 3-5
SOME IX 30 00 19 51.7 44.13N 83.58E 10 ¶601776029
NNC IX 30 00 19 54.4–1.1 44.30N 83.33E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=3.0km az=115.0.
ISC IX 30 00 30 34.2–1.6 44.27N–.07 83.38E–.08 10 35 2-6
SOME IX 30 00 30 33.6 44.23N 83.47E 5 ¶601776031
NNC IX 30 00 30 35.0–1.8 44.30N 83.30E 0 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=5.1km az=115.0.
ISC X 01 11 03 28.0–3.1 43.57N–.10 84.4E–.10 10 22 3-8
SOME X 01 11 03 25.4 43.52N 84.60E 5 ¶601779555
NNC X 01 11 03 28.6–5.3 43.61N 84.43E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.3km s-min=15.4km az=117.0.
ISC X 01 21 40 36.1–2.6 46.15N–.08 85.4E–.10 35 12 1-6
NNC X 01 21 40 26.7–3.5 45.57N 85.28E 0 2.8b,2.4 ¶601781337
SOME X 01 21 40 27.1 45.82N 84.88E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=14.5km az=117.0.
ISC X 02 05 48 02.8–2.9 42.3N–.10 82.53E–.10 10 15 2-5
SOME X 02 05 48 12.4 42.05N 82.00E 15 ¶601835625
NNC X 02 05 48 22.1–4.3 43.80N 81.83E 0 2.6b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.3km s-min=20.5km az=134.0.
ISC X 02 17 04 46.0–2.2 44.02N–.06 82.34E–.09 15–12 36 2-4
NNC X 02 17 04 46.2–3.1 44.07N 82.30E 15–10 2.7b,2.3 ¶601783753
SOME X 02 17 04 53.6 43.87N 82.07E 20 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.7km s-min=9.5km az=118.0.
ISC X 05 23 16 17.6–1.5 43.9N–.20 93.5E–.10 10 8 4-10
NNC X 05 23 16 14.0–4.3 43.27N 93.56E 0 4.0b,3.7 ¶601792481
BJI X 05 23 16 20.2 43.90N 93.37E 8 3.7L,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.1km s-min=38.7km az=26.0.
ISC X 06 15 12 09.4–1.7 44.49N–.09 83.00E–.09 17 25 2-5
SOME X 06 15 12 07.4 44.72N 83.02E 10 ¶601794904
NNC X 06 15 12 08.4–2.5 44.61N 82.90E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.8km s-min=9.9km az=115.0.
ISC X 07 04 28 43.6–2.0 43.19N–.08 81.92E–.06 11–11 48 1-5
SOME X 07 04 28 44.9 43.05N 81.85E 10 ¶601795641
NNC X 07 04 28 47.3–2.0 43.16N 81.79E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=5.0km az=145.0.
ISC X 07 19 37 04.2–2.2 42.19N–.10 81.53E–.07 10 34 2-5
SOME X 07 19 37 01.2 42.12N 81.63E 0 ¶601819489
NNC X 07 19 37 03.0–2.5 42.17N 81.70E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=12.4km az=144.0.
ISC X 11 03 40 12.0–1.8 44.70N–.07 82.17E–.10 10 13 2-3
SOME X 11 03 40 11.0 44.70N 82.20E 10 ¶601830253
ISCJB X 11 03 40 13.1–1.5 44.62N–.08 82.3E–.10 10
NNC X 11 03 40 14.2–1.6 44.79N 81.75E 0 3.4b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=39.6.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=5.6km az=118.0.
ISC X 11 06 17 49.6–3.4 44.62N–.07 82.3E–.10 5–27 19 2-4
NNC X 11 06 17 50.7–2.4 44.76N 81.83E 0 3.1b,2.6 ¶601830266
SOME X 11 06 17 50.4 44.77N 82.00E 10 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.2km s-min=8.3km az=118.0.
ISC X 12 08 55 24.8–2.0 44.81N–.07 82.0E–.10 10 10 2-3
SOME X 12 08 55 23.7 44.75N 82.15E 10 ¶601848478
NNC X 12 08 55 25.3–.60 44.74N 81.92E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=2.5km az=116.0.
ISC X 13 02 12 16.2–2.2 44.35N–.08 82.9E–.10 17 15 2-3
NNC X 13 02 12 13.8–3.5 44.32N 82.88E 0 2.6b,2.2 ¶601833984
SOME X 13 02 12 15.3 44.35N 82.93E 20 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.1km s-min=9.0km az=117.0.
SOME X 13 17 00 24.5 42.30N 81.15E 10
¶605528754
ISC X 15 12 09 02.9–2.7 44.75N–.06 82.01E–.09 1–19 25 2-4
NNC X 15 12 09 02.6–1.6 44.76N 81.88E 0 3.1b,2.6 ¶601837324
SOME X 15 12 09 05.2 44.72N 81.92E 15 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=7.3km az=119.0.
ISC X 15 15 07 08.2–2.4 44.21N–.06 82.67E–.09 8–16 44 2-5
SOME X 15 15 07 04.7 44.18N 82.95E 5 ¶601837336
NNC X 15 15 07 10.4–4.2 44.52N 82.46E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=53.8km s-min=14.4km az=121.0.
ISC X 16 04 12 33.0–3.3 44.1N–.10 83.5E–.20 35 14 2-4
SOME X 16 04 12 29.3 44.43N 82.93E 10 ¶601838081
NNC X 16 04 12 33.8–4.9 44.39N 82.56E 0 2.6b,2.2
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=59.6km s-min=18.1km az=121.0.
ISC X 18 05 45 08.0–1.9 44.20N–.05 81.79E–.07 9–12 38 1-4
NNC X 18 05 45 11.3–3.0 44.38N 81.43E 0 2.7b,2.3 **¶601839473**
SOME X 18 05 45 12.8 44.20N 81.52E 10 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=54.8km s-min=6.8km az=123.0.
ISC X 18 12 55 41.8–2.7 44.64N–.06 82.22E–.09 0–21 26 2-4
SOME X 18 12 55 42.6 44.60N 82.15E 15 **¶601839510**
NNC X 18 12 55 43.9–1.4 44.70N 82.17E 0 3.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=3.4km az=116.0.
ISC X 19 04 23 29.5–4.6 43.9N–.20 83.8E–.20 17 9 3-3
NNC X 19 04 23 35.3–3.3 44.19N 83.22E 0 3.0b,2.6 **¶601840459**
SOME X 19 04 23 41.6 44.33N 82.75E 10 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.8km s-min=12.2km az=125.0.
ISC X 19 04 41 41.1–.49 42.97N–.04 85.24E–.03 10 4.1b 101 2-145
IDC X 19 04 41 39.2–.68 42.85N 85.22E 0 4.2,4.1 **¶601838864**
BJI X 19 04 41 41.2 42.98N 85.23E 7 4.4b,4.2b
NEIC X 19 04 41 41.0–.45 42.90N 85.24E 10 4.3b,4.2L
SOME X 19 04 41 42.8 42.92N 84.85E 5 3.4s,4.2L
NNC X 19 04 41 47.8–1.7 43.34N 84.81E 0 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=12.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.5km az=176.0.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=7.3km az=113.0.
ISC X 20 09 30 53.8–2.6 43.3N–.10 82.8E–.10 10 17 2-4
SOME X 20 09 30 47.3 43.20N 83.10E 0 **¶601869309**
NNC X 20 09 30 54.9–3.5 43.42N 82.79E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.9km s-min=12.6km az=125.0.
ISC X 20 17 28 16.6–3.1 46.6N–.10 85.6E–.20 10 7 1-5
SOME X 20 17 28 14.6 46.75N 85.82E 5 **¶601842400**
NNC X 20 17 28 20.3–3.4 46.67N 85.72E 0 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=19.0km az=94.0.
ISC X 21 00 05 38.3–1.8 43.6N–.10 87.30E–.07 10 8 0-6
ISCJB X 21 00 05 36.9–1.4 43.6N–.10 87.22E–.06 10 **¶601840542**
BJI X 21 00 05 37.7 43.50N 87.39E 12 3.4L
NNC X 21 00 05 38.0–3.0 43.72N 87.21E 0 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=5.8km az=172.5.
NNC Event type se. Error ellipse: s-maj=21.2km s-min=14.2km az=117.0.
ISC X 21 03 24 03.7–.62 43.93N–.07 87.20E–.06 20 4.0b 34 0-80
IDC X 21 03 24 01.6–.86 43.74N 86.85E 0 3.9b,3.9 **¶601840543**
ISCJB X 21 03 24 03.7–.43 43.98N–.05 86.99E–.06 20 3.9b,3.9
NEIC X 21 03 24 03.8–.46 43.93N 86.96E 10 4.1b,3.9
NNC X 21 03 24 05.2–4.3 44.05N 86.89E 0 4.1b,3.7
BJI X 21 03 24 05.9 43.87N 87.06E 10 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=12.4km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.6km az=32.4.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=56.0.
NNC Event type se. Error ellipse: s-maj=35.6km s-min=22.6km az=116.0.
ISC X 21 04 09 10.2–.37 43.44N–.05 89.18E–.04 35 4.6b 182 1-148
BJI X 21 04 09 04.6 43.45N 89.29E 6 4.9L,4.6b **¶601839941**
IDC X 21 04 09 04.5–.59 43.30N 89.31E 0 4.4L,4.2
NEIC X 21 04 09 06.1–.35 43.35N 89.33E 10 4.3b,4.2
ISCJB X 21 04 09 07.7–.21 43.37N–.03 89.23E–.03 33 4.5b,4.2
MOS X 21 04 09 07.7–1.3 43.47N 89.18E 28 4.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=10.7km az=30.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=33.0.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=132.9.
ISC X 21 12 08 16.4–3.0 44.6N–.10 82.4E–.20 19–13 12 2-3
SOME X 21 12 08 14.2 44.73N 82.20E 20 **¶601842497**
NNC X 21 12 08 16.1–2.0 44.77N 82.04E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.0km s-min=7.7km az=117.0.
ISC X 22 06 03 47.7–2.3 43.33N–.10 82.01E–.08 9–12 31 1-54
NNC X 22 06 03 47.0–2.0 43.03N 82.17E 0 3.2b,2.8 **¶601843939**
SOME X 22 06 03 48.5 43.42N 81.87E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.4km s-min=6.4km az=148.0.
ISC X 22 15 12 31.9–3.3 43.6N–.10 84.1E–.20 10 18 3-4
SOME X 22 15 12 21.6 43.33N 84.07E 0 **¶601843990**
NNC X 22 15 12 28.6–4.0 43.63N 84.39E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.6km s-min=15.4km az=131.0.
ISC X 23 08 03 27.1–2.0 44.56N–.07 82.4E–.10 1–15 33 2-5
SOME X 23 08 03 29.6 44.68N 82.07E 10 **¶601846816**
NNC X 23 08 03 31.9–2.5 44.73N 81.93E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.4km s-min=7.4km az=113.0.
ISC X 23 12 23 40.7–3.2 42.2N–.10 82.87E–.10 10 17 2-5
SOME X 23 12 23 40.1 42.37N 83.13E 10 **¶601874857**
NNC X 23 12 23 40.8–13 42.13N 82.84E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=104.6km s-min=49.1km az=154.0.
ISC X 24 06 04 18.2–2.9 44.5N–.10 82.6E–.20 35 11 2-3
SOME X 24 06 04 15.1 44.65N 82.30E 15 **¶601848571**
NNC X 24 06 04 18.3–2.9 44.80N 81.66E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=64.2km s-min=10.4km az=118.0.
ISC X 26 00 25 44.8–2.4 42.81N–.09 83.17E–.09 10 38 2-5
SOME X 26 00 25 45.3 42.80N 83.13E 5 **¶601860467**
NNC X 26 00 25 50.9–2.6 42.85N 82.81E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.7km s-min=11.7km az=136.0.
ISC X 27 07 16 02.5–1.2 44.66N–.05 82.09E–.05 10 41 2-5
SOME X 27 07 16 03.8 44.62N 81.97E 10 **¶601860538**
NNC X 27 07 16 05.9–.75 44.83N 81.89E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=3.6km az=121.0.
ISC X 29 13 06 30.3–1.0 45.0N–.10 86.02E–.08 10 3.4b 16 3-81
NNC X 29 13 06 19.8–1.4 44.21N 86.49E 0 3.8b,3.4 **¶601864824**
ISCJB X 29 13 06 29.3–.90 45.1N–.10 86.1E–.10 10 3.2b,3.4
IDC X 29 13 06 29.2–1.3 44.96N 85.98E 0 3.6,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=7.6km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=7.9km az=25.9.
IDC Error ellipse: s-maj=48.9km s-min=14.8km az=40.0.
ISC XI 01 01 52 06.6–.93 42.09N–.07 85.31E–.04 10 31 2-77
IDC XI 01 01 52 04.5–1.4 42.22N 85.34E 0 3.7b,3.7 **¶601867319**
BJI XI 01 01 52 07.2 42.23N 85.15E 10 3.9b,3.6L
SOME XI 01 01 52 07.0 42.32N 85.10E 10 3.9b,3.6L
NNC XI 01 01 52 11.1–7.8 42.49N 85.07E 20–30 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=16.8km az=54.0.
NNC Event type se. Error ellipse: s-maj=54.1km s-min=24.5km az=154.0.
ISC XI 06 04 00 59.3–2.8 42.2N–.10 82.09E–.08 6–14 24 2-6
SOME XI 06 04 00 53.4 41.90N 82.30E 20 **¶601880426**
NNC XI 06 04 01 04.5–7.1 42.59N 82.05E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=72.0km s-min=21.3km az=151.0.
ISC XI 06 09 46 15.6–.76 43.98N–.05 83.96E–.04 20 40 3-81
SOME XI 06 09 46 10.2 43.75N 84.05E 20 **¶601877569**
NNC XI 06 09 46 10.1–3.1 43.89N 84.19E 0 4.2b,3.9
BJI XI 06 09 46 12.7 43.88N 84.03E 10 3.7b,3.7L
IDC XI 06 09 46 13.8–1.2 44.24N 84.23E 0 3.5,3.3

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=10.5km az=131.0.
IDC Error ellipse: s-maj=40.3km s-min=12.0km az=58.0.
ISC XI 11 14 37 18.1–1.8 45.69N–.07 85.02E–.10 10 29 2-7
NNC XI 11 14 37 17.6–1.4 45.68N 85.11E 0 3.5b,3.1 **¶601890790**
SOME XI 11 14 37 18.1 45.85N 84.82E 5 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=7.7km az=80.0.
ISC XI 12 06 30 55.0–2.0 42.08N–.09 82.18E–.06 13 41 2-6
SOME XI 12 06 30 50.2 42.03N 82.43E 5 **¶601897414**
NNC XI 12 06 30 54.8–2.9 42.18N 82.20E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.3km s-min=13.6km az=156.0.
ISC XI 13 10 38 29.9–2.6 42.30N–.09 81.63E–.08 14–12 32 1-5
SOME XI 13 10 38 31.4 42.27N 81.50E 10 **¶601901882**
NNC XI 13 10 38 37.2–3.2 42.43N 81.22E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.3km s-min=9.5km az=151.0.
ISC XI 14 00 08 20.3–1.8 44.06N–.07 81.70E–.06 5–13 22 1-7
SOME XI 14 00 08 20.4 44.07N 81.68E 5 **¶601903533**
NNC XI 14 00 08 25.9–2.8 44.39N 81.26E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.9km s-min=17.1km az=134.0.
ISC XI 17 12 09 23.5–2.5 43.5N–.10 82.40E–.09 4–15 24 1-5
SOME XI 17 12 09 23.5 43.48N 82.53E 10 **¶601992491**
NNC XI 17 12 09 30.1–3.7 43.83N 82.10E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.4km s-min=16.3km az=137.0.
ISC XI 22 11 08 58.2–1.8 44.70N–.05 82.18E–.07 2–13 34 2-5
ISCJB XI 22 11 09 00.5–1.8 44.64N–.09 82.4E–.20 3–17 **¶601993701**
NNC XI 22 11 09 00.6–.91 44.66N 82.26E 0 3.5b,3.1
SOME XI 22 11 09 01.1 44.80N 82.00E 15 3.5b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=7.3km az=27.8.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=2.4km az=117.0.
ISC XI 22 20 05 25.8–1.5 44.33N–.05 82.26E–.05 0–11 47 2-7
SOME XI 22 20 05 31.3 44.30N 82.17E 25 **¶601993792**
NNC XI 22 20 05 32.9–1.5 44.56N 82.11E 25–9 3.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=5.3km az=112.0.
ISC XI 23 19 56 52.9–.00 44.27N–.06 83.37E–.04 10 54 2-8
NNC XI 23 19 56 48.5–1.9 44.16N 83.90E 0 4.2b,3.8 **¶601993990**
SOME XI 23 19 56 52.1 44.52N 83.18E 0 4.2b,3.8
BJI XI 23 19 56 53.9 44.26N 83.36E 8 3.6L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.9km s-min=7.5km az=130.0.
ISC XI 24 05 04 42.9–1.5 43.11N–.10 87.3E–.10 35 11 5-76
IDC XI 24 05 04 38.4–1.7 43.22N 87.63E 0 3.5,3.4b **¶601994075**
ISC Event type ke.
IDC Error ellipse: s-maj=68.5km s-min=18.7km az=52.0.
ISC XI 25 04 18 40.1–1.9 42.77N–.09 82.71E–.07 10 43 2-5
SOME XI 25 04 18 39.7 42.77N 82.72E 10 **¶601994296**
NNC XI 25 04 18 44.9–2.1 42.95N 82.60E 0 3.3b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=7.3km az=132.0.
ISC XI 25 14 31 34.5–2.0 44.22N–.05 81.55E–.07 8–13 24 1-5
NNC XI 25 14 31 35.7–1.9 44.39N 81.37E 0 2.5b,2.2 **¶601994389**
SOME XI 25 14 31 36.0 44.25N 81.48E 10 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.4km s-min=6.5km az=125.0.
ISC XII 03 14 03 27.8–3.0 42.2N–.10 84.02E–.10 10 19 4-9
SOME XII 03 14 03 29.1 42.17N 83.98E 0 **¶601995978**
NNC XII 03 14 03 38.9–3.5 42.39N 83.69E 12–14 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=10.8km az=137.0.
ISC XII 03 19 43 15.5–2.0 44.23N–.06 81.91E–.08 2–13 22 1-5
SOME XII 03 19 43 16.8 44.28N 81.87E 15 **¶601996606**
NNC XII 03 19 43 17.6–2.1 44.38N 81.80E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.5km s-min=6.8km az=125.0.
ISC XII 06 11 43 51.3–4.2 44.8N–.10 82.3E–.10 2–28 15 2-4
SOME XII 06 11 43 50.5 44.72N 82.32E 10 **¶602031747**
NNC XII 06 11 43 52.0–1.8 44.68N 82.05E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.4km s-min=5.6km az=116.0.
ISC XII 09 09 25 41.5–4.2 42.7N–.20 82.9E–.20 17–12 21 2-4
SOME XII 09 09 25 55.7 43.45N 82.27E 20 **¶602035397**
NNC XII 09 09 26 01.7–4.4 43.53N 81.95E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.8km s-min=11.9km az=139.0.
ISC XII 10 05 54 13.9–2.4 44.36N–.09 82.9E–.10 17 9 2-3
SOME XII 10 05 54 12.4 44.35N 82.98E 5 **¶602036586**
NNC XII 10 05 54 12.9–1.2 44.34N 82.82E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=3.7km az=119.0.
ISC XII 10 06 04 53.0–2.5 44.57N–.09 82.7E–.10 35 16 2-7
SOME XII 10 06 04 49.7 44.65N 82.17E 10 **¶602036588**
NNC XII 10 06 04 52.2–1.5 44.79N 81.80E 0 3.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.5km s-min=6.0km az=117.0.
ISC XII 11 05 12 40.0–2.4 43.10N–.09 82.19E–.08 17–9 22 1-4
SOME XII 11 05 12 43.0 43.37N 82.15E 15 **¶602043011**
NNC XII 11 05 12 45.0–1.4 43.06N 82.01E 2–5 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=5.1km az=141.0.
ISC XII 15 11 17 51.3–2.1 44.68N–.08 82.3E–.10 5–20 13 2-3
SOME XII 15 11 17 48.2 44.62N 82.40E 10 **¶602043724**
NNC XII 15 11 17 53.5–3.2 44.74N 82.10E 0 2.8b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.8km s-min=10.5km az=116.0.
ISC XII 16 04 49 36.5–1.4 44.37N–.04 81.92E–.04 1–10 56 2-74
IDC XII 16 04 49 35.8–1.8 44.32N 81.73E 0 3.6b,3.4 **¶602043790**
BJI XII 16 04 49 39.6 44.33N 81.96E 11 3.3L,3.4
NNC XII 16 04 49 39.3–2.0 44.40N 81.82E 0 3.7b,3.3
SOME XII 16 04 49 39.9 44.28N 81.85E 20 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=17.2km az=103.0.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=7.4km az=124.0.
ISC XII 17 04 36 41.2–3.2 44.3N–.10 83.3E–.20 20 9 3-3
SOME XII 17 04 36 36.9 44.38N 83.02E 15 **¶602051748**
NNC XII 17 04 36 41.9–3.9 44.44N 82.38E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.2km s-min=13.9km az=121.0.
ISC XII 18 06 23 45.1–3.4 44.1N–.20 83.7E–.20 20 7 3-4
SOME XII 18 06 23 35.3 43.68N 83.57E 5 **¶602052517**
NNC XII 18 06 23 50.9–4.1 44.11N 82.59E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.3km s-min=14.6km az=125.0.
ISC XII 19 03 04 59.2–1.1 43.64N–.10 86.3E–.10 10 4.7b 25 4-77
ISCJB XII 19 03 04 57.1–.64 43.75N–.06 86.46E–.09 10 4.5b,4.5s **¶602054768**
IDC XII 19 03 04 58.1–1.6 43.75N 86.40E 0 4.5,4.5s
NNC XII 19 03 04 59.3–4.5 43.72N 86.20E 0–18 3.2b,2.8
NEIC XII 19 03 05 02.8–1.8 43.74N 86.46E 41–19 4.7b,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.3km az=138.0.
IDC Error ellipse: s-maj=48.4km s-min=16.9km az=51.0.
NNC Event type se. Error ellipse: s-maj=59.1km s-min=29.0km az=52.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=11.6km az=204.0.
ISC XII 20 09 32 04.2–2.1 44.69N–.06 82.4E–.10 10–21 20 2-4
SOME XII 20 09 32 06.3 44.72N 82.05E 0 **¶602056263**
NNC XII 20 09 32 07.9–1.7 44.69N 82.22E 0 3.3b,2.9

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=4.3km az=116.0.
ISC XII 21 06 53 31.2–2.7 43.43N–.10 81.9E–.10 32–19 15 1-3
SOME XII 21 06 53 27.1 43.35N 82.15E 25 ¶602057411
ISC Event type ke.
ISC XII 21 08 52 30.3–1.7 44.65N–.07 82.19E–.10 10 18 2-3
SOME XII 21 08 52 28.8 44.72N 82.20E 20 ¶602057425
NNC XII 21 08 52 30.4–1.7 44.65N 82.21E 0 3.2b,2.7
ISCJB XII 21 08 52 31.5–1.3 44.64N–.05 82.3E–.10 10 3.2b,2.7
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 21 21 16 25.4–2.3 42.40N–.09 81.37E–.08 10 44 2-9
SOME XII 21 21 16 17.2 42.20N 81.55E 20 ¶602057481
NNC XII 21 21 16 20.9–1.6 42.17N 81.41E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=10.4km az=171.0.
ISC XII 22 07 51 50.5–2.2 44.66N–.08 82.3E–.10 35 11 2-3
SOME XII 22 07 51 45.9 44.68N 82.17E 20 ¶602057534
NNC XII 22 07 51 47.5–2.3 44.79N 81.73E 0 2.9b,2.4
ISCJB XII 22 07 51 48.6–1.4 44.61N–.08 82.3E–.10 33 2.9b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 23 02 11 15.3–1.3 44.92N–.05 82.59E–.07 10 46 2-6
NNC XII 23 02 11 16.9–1.8 44.89N 82.56E 6–19 3.7b,3.3 ¶602058270
SOME XII 23 02 11 17.9 44.97N 82.48E 10 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=13.2km az=144.0.
ISC XII 23 15 04 04.6–1.1 42.18N–.07 83.39E–.03 15 46 3-80
SOME XII 23 15 04 00.8 42.00N 83.42E 10 ¶602058321
IDC XII 23 15 04 01.5–1.1 42.09N 83.30E 0 3.9,3.9s
BJI XII 23 15 04 05.8 42.06N 83.24E 7 3.4L,3.9s
NNC XII 23 15 04 10.5–2.5 42.36N 83.14E 17–9 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=11.7km az=65.0.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=9.3km az=131.0.
ISC XII 23 17 53 45.8–2.8 43.6N–.10 83.1E–.10 10 14 2-3
SOME XII 23 17 53 45.8 43.57N 83.03E 10 ¶602058746
NNC XII 23 17 53 45.4–3.1 43.60N 83.39E 0 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=10.1km az=113.0.
ISC XII 25 10 31 42.7–2.7 44.89N–.08 81.88E–.09 14–21 30 2-4
SOME XII 25 10 31 37.2 44.62N 82.35E 15 ¶602059349
NNC XII 25 10 31 39.4–1.4 44.70N 82.25E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=3.3km az=116.0.
ISC XII 25 11 25 18.9–2.8 43.9N–.10 83.2E–.10 20 9 3-4
SOME XII 25 11 25 01.8 43.60N 83.75E 5 ¶602059353
NNC XII 25 11 25 12.4–4.1 43.66N 83.46E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.2km s-min=20.6km az=128.0.
NNC XII 26 08 32 34.4–2.9 43.04N 85.74E 7–10 3.7b,3.3
¶602060626
NNC Event type se. Error ellipse: s-maj=22.9km s-min=12.6km az=118.0.
ISC XII 28 11 54 15.4–4.0 42.0N–.20 82.2E–.10 14 11 2-5
SOME XII 28 11 54 10.8 42.30N 81.98E 0 ¶602311862
ISC Event type ke.
ISC XII 28 15 32 07.8–3.6 43.8N–.10 84.0E–.10 20 10 3-9
NNC XII 28 15 32 07.9–3.2 43.93N 83.76E 0 3.4b,3.0 ¶602068228
SOME XII 28 15 32 13.6 44.08N 83.62E 20 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.2km s-min=9.1km az=118.0.
ISC XII 29 05 20 09.8–2.3 42.5N–.10 82.86E–.09 10 21 3-6
SOME XII 29 05 19 58.6 42.08N 83.15E 5 ¶602068298
NNC XII 29 05 20 07.8–2.0 42.46N 82.99E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.8km s-min=8.8km az=143.0.
ISC XII 29 11 04 43.7–2.8 42.5N–.10 83.1E–.10 10 14 3-4
SOME XII 29 11 04 44.7 42.55N 83.03E 10 ¶602068327
NNC XII 29 11 04 54.6–2.5 42.95N 82.70E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=10.9km az=136.0.
ISC XII 29 11 30 41.7–2.5 44.26N–.09 83.1E–.10 17 11 2-3
SOME XII 29 11 30 41.3 44.35N 82.90E 10 ¶602068330
NNC XII 29 11 30 42.1–3.0 44.36N 82.77E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=11.8km az=125.0.
ISC XII 30 14 28 27.5–4.2 42.2N–.20 83.1E–.20 35 12 2-5
NNC XII 30 14 28 07.9–5.4 42.25N 84.04E 0 3.0b,2.6 ¶602069101
SOME XII 30 14 28 20.1 42.68N 83.23E 10 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.7km s-min=15.2km az=145.0.
ISC XII 31 09 59 55.1–4.4 43.9N–.10 84.0E–.20 20 8 3-8
SOME XII 31 10 00 00.2 44.18N 83.67E 10 ¶602071238
NNC XII 31 10 00 02.0–1.9 44.25N 83.33E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=5.3km az=115.0.
ISC XII 31 10 33 58.7–2.3 43.51N–.09 83.00E–.10 10 14 2-4
SOME XII 31 10 33 58.3 43.60N 83.05E 10 ¶602071245
NNC XII 31 10 34 00.4–3.8 43.29N 82.80E 0–17 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=10.3km az=132.0.

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IDC VII 16 14 35 29.4–3.8 50.78N 96.27E 0 3.2,3.2
¶601664679
IDC Error ellipse: s-maj=67.7km s-min=30.9km az=5.0.
ISC VII 16 17 00 55.9–.66 51.54N–.03 101.84E–.02 10 72 1-15
MOS VII 16 17 00 56.8–2.5 51.56N 101.86E 11 4.4b ¶601513150
BYKL VII 16 17 00 57.1–.27 51.58N 101.94E 11–4 4.4b
IDC VII 16 17 00 59.6–2.8 51.10N 101.58E 0 2.9,2.9
ISC Event type se.
MOS Error ellipse: s-maj=18.8km s-min=16.6km az=152.8.
BYKL Event type se. FELT I=III-IV MSK at Kyren.
IDC Error ellipse: s-maj=55.6km s-min=15.2km az=26.0.
IDC VIII 06 09 55 20.9–712 50.61N 113.12E 0
¶601765546
IDC Error ellipse: s-maj=273.7km s-min=253.0km az=116.0.
MOS VIII 08 23 02 29.0–3.4 51.09N 98.40E 10 4.3b
¶605299913
MOS Error ellipse: s-maj=42.8km s-min=18.8km az=142.6.
IDC VIII 10 11 28 38.8–538 50.40N 114.14E 0
¶601765727
IDC Error ellipse: s-maj=203.0km s-min=115.2km az=67.0.
IDC VIII 14 09 34 34.2–596 50.94N 114.57E 0
¶601765828
IDC Error ellipse: s-maj=212.7km s-min=129.2km az=62.0.
IDC VIII 16 10 20 36.6–546 50.93N 113.91E 0
¶601765934
IDC Error ellipse: s-maj=210.2km s-min=116.8km az=59.0.
NNC VIII 19 04 38 17.5–1.8 49.95N 88.00E 0 4.1b,3.7
¶601669899
NNC Event type se. Error ellipse: s-maj=15.8km s-min=6.6km az=103.0.
BYKL VIII 19 16 36 47.2–.21 51.64N 101.35E 8–3
MOS VIII 19 16 36 47.5–1.2 51.64N 101.36E 10 4.4b ¶601615450
BYKL Event type se.
MOS Error ellipse: s-maj=20.7km s-min=16.6km az=167.2.
IDC VIII 22 08 58 27.1–548 50.82N 113.54E 0
¶601766293
IDC Error ellipse: s-maj=207.8km s-min=110.8km az=60.0.

IDC VIII 23 09 07 47.0–537 50.71N 113.44E 0
¶601766351
IDC Error ellipse: s-maj=199.4km s-min=111.6km az=62.0.
IDC VIII 27 08 51 34.7–360 50.71N 113.55E 0
¶601766557
IDC Error ellipse: s-maj=159.4km s-min=109.3km az=47.0.
ISC IX 05 23 07 47.0–3.7 49.78N–.09 88.2E–.20 11 10 3-6
SOME IX 05 23 07 43.1 49.83N 88.03E 0 ¶601724865
NNC IX 05 23 07 48.5–1.6 49.87N 88.03E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=6.8km az=78.0.
BYKL IX 19 17 21 52.8–.21 52.30N 100.58E
MOS IX 19 17 21 53.5–1.2 52.28N 100.58E 10 4.4b ¶601775964
BYKL Event type se.
MOS Error ellipse: s-maj=21.0km s-min=16.8km az=33.8.
IDC IX 27 00 59 56.8–390 50.64N 115.97E 0
¶601864252
IDC Error ellipse: s-maj=150.6km s-min=132.3km az=91.0.
IDC X 01 07 55 03.3–926 50.98N 116.59E 0
¶601996370
IDC Error ellipse: s-maj=421.3km s-min=163.0km az=95.0.
IDC X 04 02 32 15.2–398 50.67N 116.76E 0
¶601996998
IDC Error ellipse: s-maj=156.4km s-min=138.4km az=106.0.
IDC X 04 07 33 06.9–999 50.51N 116.43E 0
¶601997011
IDC Error ellipse: s-maj=678.7km s-min=211.0km az=107.0.
ISC X 04 10 17 06.0–1.2 50.94N–.06 93.27E–.04 10 24 1-9
ISCJB X 04 10 17 02.4–1.0 51.08N–.06 93.03E–.05 10 ¶601837993
NNC X 04 10 17 02.2–13 51.56N 93.23E 0 3.6b,3.3
ASRS X 04 10 17 04.4–.39 50.91N 93.34E 15 2.8s,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.1km az=159.9.
NNC Event type se. Error ellipse: s-maj=130.5km s-min=74.0km az=24.0.
BYKL X 16 11 49 20.6–.36 51.17N 99.58E
MOS X 16 11 49 26.2–1.7 51.43N 99.99E 12 4.3b ¶601882310
BYKL Event type se.
MOS Error ellipse: s-maj=23.3km s-min=19.8km az=150.6.
IDC X 18 07 32 25.4–999 50.38N 114.47E 0
¶601998769
IDC Error ellipse: s-maj=559.5km s-min=248.5km az=85.0.
ISC X 20 22 46 37.0–.34 49.91N–.03 88.40E–.03 11 4.4b 176 1-89
IDC X 20 22 46 35.0–.60 49.84N 88.46E 0 4.2,4.1 ¶601839937
ASRS X 20 22 46 34.5–1.8 49.79N 88.40E 8 4.1s,4.1
MOS X 20 22 46 35.3–1.6 49.82N 88.30E 9 4.7b,4.1
ISCJB X 20 22 46 35.8–.21 49.89N–.02 88.25E–.03 11 4.4b,3.1s
BJI X 20 22 46 36.6 49.71N 88.26E 5 4.5b,4.4b
NEIC X 20 22 46 36.6–2.4 49.89N 88.44E 8–15 4.7b,4.4b
NNC X 20 22 46 39.1–.91 49.92N 87.93E 0–4 4.8b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=14.0.
MOS Error ellipse: s-maj=7.3km s-min=6.3km az=87.6.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.6km az=146.1.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=175.0.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=3.2km az=103.0.
IDC X 26 02 58 58.0–999 50.67N 113.53E 0
¶601999687
IDC Error ellipse: s-maj=801.3km s-min=202.5km az=101.0.
IDC X 29 07 51 20.4–397 50.28N 116.47E 0
¶602000240
IDC Error ellipse: s-maj=155.6km s-min=131.5km az=97.0.
IDC X 29 08 05 40.2–350 50.03N 116.17E 0
¶602000244
IDC Error ellipse: s-maj=144.3km s-min=123.4km az=89.0.
IDC X 30 04 05 29.0–352 50.44N 115.75E 0
¶602000421
IDC Error ellipse: s-maj=143.0km s-min=119.2km az=78.0.
IDC X 30 07 31 46.6–401 50.44N 116.11E 0
¶602000448
IDC Error ellipse: s-maj=164.1km s-min=128.5km az=60.0.
IDC X 31 03 49 10.6–400 50.36N 115.97E 0
¶602000569
IDC Error ellipse: s-maj=162.6km s-min=125.8km az=62.0.
IDC X 31 07 15 19.3–400 50.35N 116.13E 0
¶602000592
IDC Error ellipse: s-maj=163.8km s-min=127.2km az=62.0.
ISC XI 10 09 24 23.0–.52 50.46N–.06 96.44E–.03 10 3.9b 64 1-81
MOS XI 10 09 24 21.7–2.1 50.39N 96.42E 13 4.1b ¶601991652
ISCJB XI 10 09 24 21.3–.37 50.44N–.06 96.42E–.05 10 4.0b,3.1s
IDC XI 10 09 24 22.2–.80 50.32N 96.37E 0 3.8,3.8b
ASRS XI 10 09 24 24.0–2.9 50.70N 96.20E 15 4.1s,3.8b
BJI XI 10 09 24 27.5 50.09N 96.33E 15 4.3b,4.2L
NNC XI 10 09 24 34.0–3.1 51.00N 95.45E 0 4.1b,3.7
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=6.2km az=36.5.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.9km az=10.4.
IDC Error ellipse: s-maj=27.7km s-min=11.2km az=17.0.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=20.7km az=112.0.
IDC XI 29 04 22 12.9–367 50.86N 116.36E 0
¶602390147
IDC Error ellipse: s-maj=149.0km s-min=137.2km az=109.0.
NNC XII 15 08 23 20.4–1.3 49.81N 88.16E 0 3.8b,3.4
¶602062429
NNC Event type se. Error ellipse: s-maj=11.3km s-min=4.8km az=104.0.
ISC XII 17 02 25 32.5–.84 50.75N–.04 91.27E–.04 10 31 2-13
IDC XII 17 02 25 29.9–1.9 50.66N 91.40E 0 2.9,2.9 ¶602065070
ISCJB XII 17 02 25 30.3–.73 50.77N–.05 91.08E–.06 10 2.9,2.9
NNC XII 17 02 25 31.6–10 49.57N 91.66E 0 4.0b,3.6
MOS XII 17 02 25 32.7–2.0 50.66N 91.18E 15 4.2b,3.6
ASRS XII 17 02 25 32.7–1.8 50.66N 91.18E 8 4.2b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=18.4km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=3.5.
NNC Event type se. Error ellipse: s-maj=80.8km s-min=41.6km az=100.0.
MOS Error ellipse: s-maj=19.0km s-min=15.6km az=32.2.

(334) Mongolia.

BYKL VII 02 03 59 23.3–.60 49.05N 101.94E
MOS VII 02 03 59 23.1–2.1 49.07N 101.90E 9 4.9b ¶601404205
BYKL Event type se.
MOS Error ellipse: s-maj=20.2km s-min=9.5km az=77.6.
IDC VII 19 15 43 27.8–1.4 47.04N 111.77E 0 3.7L,3.4
¶601664839
IDC Error ellipse: s-maj=35.9km s-min=18.1km az=25.0.
ISC VIII 27 09 30 08.9–1.9 45.1N–.20 92.9E–.10 35 5 4-8
ISCJB VIII 27 09 30 05.7–1.5 45.2N–.20 93.0E–.10 33 ¶601628299
BJI VIII 27 09 30 05.5 45.02N 92.67E 5 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=11.6km az=13.3.
IDC X 02 01 42 38.8–1.6 49.45N 93.41E 0 3.1,3.1
NNC X 02 01 42 40.9–4.8 49.29N 93.42E 0 3.8b,3.4 ¶601835621
IDC Error ellipse: s-maj=31.1km s-min=14.2km az=9.0.
NNC Event type se. Error ellipse: s-maj=53.3km s-min=42.9km az=157.0.
ISC X 03 22 23 23.2–.49 46.81N–.03 97.86E–.03 16–3 4.6b,4.0s 384 5-152
ASRS X 03 22 23 17.9–1.4 46.78N 98.18E 15 4.6s,4.0s ¶601781438
IDC X 03 22 23 19.7–.48 46.87N 98.01E 0 4.4,4.3
GCMT X 03 22 23 19.9–.30 46.81N–.02 98.05E–.02 28–1 4.8W,4.3
BJI X 03 22 23 19.1 46.84N 97.95E 13 5.0L,4.8s
ISCJB X 03 22 23 20.3–.14 46.80N–.02 97.92E–.02 13 4.6b,4.0s
NEIC X 03 22 23 21.9–.25 46.72N 97.89E 10 4.7b,4.0s
MOS X 03 22 23 21.2–1.0 46.85N 97.96E 20 4.9b,4.0s

NNC X 03 22 23 23.4–1.4 46.89N 97.59E 0 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=9.2km az=10.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s79,c110;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.14 $M_{\theta\theta}$-0.12±.11; $M_{\phi\phi}$0.37±.10; $M_{r\theta}$0.93±.19; $M_{\theta\phi}$2.13±.07; $M_{\phi r}$-0.25±.15; Best double couple: NP1:ϕ_s265.00000°,δ82.00000°,λ-23.00000°. NP2:ϕ_s359.00000°,δ67.00000°,λ-171.00000°. Principal axes: T 2.3500,Plg10.0000° ,Azm314.0000°; N 0.0180,Plg65.0000°,Azm66.0000°; P -2.3680,Plg22.0000°,Azm219.0000° M_o2.35900×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=28.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=179.0.
MOS Error ellipse: s-maj=6.2km s-min=4.3km az=131.1.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=11.7km az=106.0.
BYKL X 16 15 53 32.6–.70 48.68N 104.62E ¶601882311
MOS X 16 15 53 32.3–2.7 48.73N 104.73E 4 4.4b
BYKL Event type se.
MOS Error ellipse: s-maj=62.9km s-min=16.6km az=98.6.
ISC X 27 07 11 22.6–3.2 48.78N–.08 88.8E–.20 10 14 3-8
SOME X 27 07 11 21.1 47.97N 88.07E 10 ¶601883229
NNC X 27 07 11 22.0–1.4 48.81N 88.71E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=7.9km az=67.0.
ISC XII 27 10 07 39.6–.93 48.38N–.05 108.13E–.03 10 71 1-10
BYKL XII 27 10 07 39.2–.35 48.48N 108.19E ¶602322907
MOS XII 27 10 07 46.0–3.2 48.73N 108.97E 10 4.3b
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=29.8km s-min=20.3km az=99.2.

SEISMIC REGION 29.
Western Asia.

(335) Ural Mountains region.

MIRAS XI 28 20 49 28.1–.00 60.21N 60.01E 1 3.3L
NNC XI 28 20 49 35.9–5.1 59.57N 60.80E 0 3.6b,3.5 ¶602036397
NNC Event type se. Error ellipse: s-maj=62.8km s-min=30.8km az=19.0.
ISC XII 24 06 22 40.9–.39 66.63N–.03 63.75E–.04 35 4.0b,3.1s 174 3-84
MOS XII 24 06 22 36.7–2.5 66.75N 63.73E 10 4.2b,3.1s ¶605287631
NEIC XII 24 06 22 36.3–.31 66.88N 64.29E 10 4.1b,3.1s
IDC XII 24 06 22 36.8–.62 66.81N 64.40E 0 4.1,4.0
IEPN XII 24 06 22 38.0 66.48N 64.73E 10 4.1,4.0
ISCJB XII 24 06 22 38.9–.26 66.65N–.03 64.00E–.08 33 4.0b,3.2s
NNC XII 24 06 22 49.0–6.2 66.18N 64.27E 60–59 4.0b,3.2s
ISC Event type se.
MOS Error ellipse: s-maj=33.3km s-min=9.0km az=83.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=220.0.
IDC Error ellipse: s-maj=13.4km s-min=9.4km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=155.2.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=32.6km az=122.0.

(336) Western Kazakhstan.

IDC VIII 02 11 01 04.3–326 51.85N 52.70E 0 ¶601765344
IDC Error ellipse: s-maj=127.8km s-min=85.0km az=116.0.
IDC VIII 13 11 49 27.6–327 51.95N 52.82E 0 ¶601765802
IDC Error ellipse: s-maj=128.3km s-min=81.5km az=117.0.
IDC VIII 25 12 47 21.7–999 47.03N 48.18E 0 ¶601766442
IDC Error ellipse: s-maj=530.4km s-min=216.8km az=128.0.
IDC IX 01 11 25 47.8–415 47.27N 48.74E 0 ¶601862715
IDC Error ellipse: s-maj=166.0km s-min=134.5km az=20.0.
IDC IX 10 13 34 05.6–598 47.14N 49.19E 0 ¶601863298
IDC Error ellipse: s-maj=221.2km s-min=135.9km az=45.0.
IDC X 02 16 07 39.3–420 48.28N 51.53E 0 ¶601996825
IDC Error ellipse: s-maj=178.3km s-min=101.2km az=72.0.
IDC X 08 14 42 36.9–732 48.90N 52.75E 0 ¶601997540
IDC Error ellipse: s-maj=355.7km s-min=85.3km az=64.0.
IDC X 10 13 51 49.4–586 47.28N 49.06E 0 ¶601997763
IDC Error ellipse: s-maj=225.4km s-min=131.5km az=47.0.
IDC X 11 08 03 22.1–689 50.96N 51.56E 0 ¶601997858
IDC Error ellipse: s-maj=344.6km s-min=94.4km az=94.0.
IDC X 12 12 51 42.0–999 47.27N 48.81E 0 ¶601998006
IDC Error ellipse: s-maj=5066.0km s-min=155.5km az=60.0.
IDC X 15 13 34 27.8–175 50.41N 58.03E 0 ¶601998338
IDC X 24 13 40 00.5–175 50.41N 58.03E 0 ¶601999492
IDC XI 02 12 10 24.3–999 47.22N 48.73E 0 ¶602388719
IDC Error ellipse: s-maj=5025.0km s-min=150.5km az=60.0.
IDC XI 08 12 38 36.3–735 48.77N 52.94E 0 ¶602389033
IDC Error ellipse: s-maj=357.7km s-min=87.1km az=62.0.
IDC XI 27 11 17 53.2–175 50.41N 58.03E 0 ¶602390057
IDC XI 28 13 47 13.9–175 50.41N 58.04E 0 ¶602390122
IDC XII 05 13 16 59.2–792 48.59N 53.33E 0 ¶602390500
IDC Error ellipse: s-maj=383.4km s-min=85.3km az=58.0.
IDC XII 05 13 33 14.7–677 50.86N 51.50E 0 ¶602390502
IDC Error ellipse: s-maj=338.9km s-min=94.8km az=92.0.
IDC XII 05 13 53 45.1–930 50.88N 50.72E 0 ¶602390504
IDC Error ellipse: s-maj=447.8km s-min=103.1km az=91.0.
IDC XII 05 17 13 13.8–999 50.93N 50.39E 0 ¶602390507
IDC Error ellipse: s-maj=636.9km s-min=106.5km az=91.0.
IDC XII 07 13 55 33.3–175 50.41N 58.03E 0 ¶602390676

(337) Eastern Caucasus.

ISC VII 02 10 11 31.1–1.0 41.48N–.02 46.77E–.02 9–8 125 0-29
NORS VII 02 10 11 29.9–.00 41.52N 46.85E 14–1 ¶602878848
MOS VII 02 10 11 29.9–.00 41.53N 46.76E 9–0 4.1
CSEM VII 02 10 11 30.8–.31 41.48N 46.76E 2 3.9b
NSSP VII 02 10 11 30.0 41.47N 46.60E 12 3.1s
MOS VII 02 10 11 31.2–1.1 41.48N 46.82E 14 3.9b
DRS VII 02 10 11 32.3–.00 41.58N 46.70E 14 3.9b
ISC Event type ke.
NORS Event type se.
MOS Event type se.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=147.0.
MOS Error ellipse: s-maj=10.2km s-min=5.8km az=91.6.
DRS Event type se.
ISC VII 05 08 49 05.8–.86 43.53N–.02 45.89E–.01 19–2 3.6b 278 0-73
DRS VII 05 08 49 02.5–.00 43.64N 45.54E 18 3.6b ¶601404909
IDC VII 05 08 49 03.1–.70 43.50N 45.62E 0 3.9,3.8
CSEM VII 05 08 49 04.9–.15 43.57N 45.86E 2 4.0b,3.8
MOS VII 05 08 49 04.7–1.4 43.64N 45.90E 16 4.1b,3.8
MOS VII 05 08 49 04.4–.00 43.46N 45.86E 10–0 4.7,3.8
NORS VII 05 08 49 04.4–.00 43.48N 45.88E 11–0 4.7,3.8
ISCJB VII 05 08 49 05.0–.42 43.70N–.02 45.93E–.02 15–3 3.6b,3.8
AZER VII 05 08 49 06.0–6.9 43.10N 45.63E 1 3.9L,3.8
NNC VII 05 08 49 10.2–12 44.03N 46.26E 0 4.1b,3.8
ISC Event type ke.
DRS Event type se.
IDC Error ellipse: s-maj=12.5km s-min=8.9km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=23.0.
MOS Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=97.2. Felt (II-III) at Groznyy. Moment Tensor Solution.
MOS Event type se. FELT I=II-III MSK at Groznyy.
NORS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=13.6.
AZER Error ellipse: s-maj=6.0km s-min=5.4km az=331.0.
NNC Event type se. Error ellipse: s-maj=160.9km s-min=117.7km az=136.0.
ISC VII 07 04 12 01.2–1.1 41.41N–.03 46.77E–.02 15–9 110 0-4
DRS VII 07 04 11 59.2–.00 41.50N 46.51E 12 ¶605299898
MOS VII 07 04 11 59.4–.00 41.51N 46.77E 14–0 3.6
CSEM VII 07 04 12 01.1 41.41N 46.74E 14 4.0b
NORS VII 07 04 12 01.2–.00 41.51N 46.73E 4–0 4.0b
MOS VII 07 04 12 01.1–1.5 41.41N 46.74E 14 4.0b
ISC Event type ke.
DRS Event type se.
MOS Event type se.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
NORS Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.9km az=84.6.
ISC VII 19 03 34 25.1–.77 43.08N–.02 45.87E–.01 14–5 3.6b 323 0-29
IDC VII 19 03 34 22.3–.84 43.10N 45.63E 0 3.7,3.6 ¶601503027
TIF VII 19 03 34 22.9 43.16N 45.79E 11–2 3.7,3.6
MOS VII 19 03 34 23.3–.00 43.06N 45.87E 21–0 4.6,3.6
NORS VII 19 03 34 23.3–.00 43.03N 45.87E 15–0 4.6,3.6
DDA VII 19 03 34 23.8 43.15N 45.42E 5 3.1L,3.6
ISCJB VII 19 03 34 24.0–.26 43.16N–.02 45.89E–.02 9–2 3.5b,3.0s
CSEM VII 19 03 34 24.8–.12 43.15N 45.88E 10 4.1b,3.0s
MOS VII 19 03 34 24.4–1.2 43.19N 45.89E 14 4.1b,3.0s
DRS VII 19 03 34 25.8–.00 43.01N 45.85E 15 4.1b,3.0s
AZER VII 19 03 34 26.6–.28 43.01N 45.86E 39–20 3.2L,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=12.0km s-min=10.0km az=10.0.
MOS Event type se.
NORS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=21.5.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=21.0.
MOS Error ellipse: s-maj=6.1km s-min=4.3km az=40.0.
DRS Event type se.
AZER Error ellipse: s-maj=66.6km s-min=10.1km az=336.0.
ISC VII 21 23 41 27.6–.90 42.38N–.02 46.67E–.02 33–1 179 0-29
NORS VII 21 23 41 24.2–.00 42.33N 46.67E 41–0 ¶602952313
MOS VII 21 23 41 24.3–.00 42.32N 46.62E 40–0 3.9
TIF VII 21 23 41 24.6 42.32N 46.57E 8–2 3.9
MOS VII 21 23 41 25.7–.80 42.38N 46.62E 22 4.1b
DRS VII 21 23 41 25.4–.00 42.23N 46.35E 20 4.1b
CSEM VII 21 23 41 26.4–.19 42.34N 46.60E 20 4.1b
ISC Event type ke.
NORS Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.5km az=123.4.
DRS Event type se.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=1.0.
TIF VII 22 21 52 40.3 41.03N 45.18E 15–3
CSEM VII 22 21 52 40.3 41.03N 45.18E 0 1.5L ¶602952315
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 30 01 33 25.5–.90 41.74N–.02 45.13E–.02 17–7 76 0-2
DRS VII 30 01 33 21.8–.00 41.68N 45.11E 12 ¶602952324
TIF VII 30 01 33 23.5 41.72N 45.19E 8–0
MOS VII 30 01 33 23.3–.00 41.74N 45.14E 12–0 3.2
ISCJB VII 30 01 33 24.8–.44 41.80N–.02 45.16E–.02 3–5 3.2
NORS VII 30 01 33 24.6–.00 41.76N 45.16E 19–0 3.2
DDA VII 30 01 33 26.9 41.61N 44.93E 6 2.6L
CSEM VII 30 01 33 26.3–.35 41.74N 45.08E 12 2.6L
ISC Event type ke.
DRS Event type se.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=177.6.
NORS Event type se.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=31.0.
ISC VII 31 03 19 36.5–.83 42.96N–.02 46.50E–.01 9–6 296 0-23
NORS VII 31 03 19 33.0–.00 42.90N 46.47E 1–0 ¶602995241
MOS VII 31 03 19 34.1–.00 42.91N 46.47E 14–0 4.5
DRS VII 31 03 19 35.1–.00 42.92N 46.27E 18 4.5
MOS VII 31 03 19 35.9–1.0 42.96N 46.52E 11 4.0b
CSEM VII 31 03 19 36.2–.16 43.00N 46.51E 2 3.8L
AZER VII 31 03 19 36.5–4.3 42.71N 46.30E 0–0 3.1L
DDA VII 31 03 20 04.6 41.48N 44.24E 7 2.9L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
DRS Event type se.
MOS Error ellipse: s-maj=6.3km s-min=4.5km az=28.8.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=23.0.
AZER Error ellipse: s-maj=2.9km s-min=1.3km az=331.0.
ISC VIII 26 12 37 24.6–1.1 41.13N–.02 47.13E–.02 3–9 3.2b 96 0-26
NSSP VIII 26 12 37 22.0 41.23N 47.00E 10 3.1s ¶601766502
MOS VIII 26 12 37 22.2–.00 41.06N 47.22E 11–0 4.1
DRS VIII 26 12 37 22.4–.00 41.06N 47.10E 12 4.1
TIF VIII 26 12 37 23.1 40.49N 46.71E 7–3 4.1
IDC VIII 26 12 37 24.1–1.3 40.79N 47.34E 0 3.3,3.2
MOS VIII 26 12 37 25.4–1.2 41.11N 47.19E 15 4.1b,3.2
ISC Event type ke.
MOS Event type se.
DRS Event type se.
IDC Error ellipse: s-maj=25.3km s-min=12.9km az=162.0.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=102.4.
ISC VIII 27 13 33 38.5–1.1 41.96N–.02 46.00E–.02 8–9 70 1-3
MOS VIII 27 13 33 36.7–.00 42.00N 46.02E 10–0 3.8 ¶603031476
NSSP VIII 27 13 33 36.7 41.95N 45.95E 10 3.0s
ISCJB VIII 27 13 33 38.7–.45 41.99N–.02 46.06E–.02 1–5 3.0s
DRS VIII 27 13 33 41.3–.00 42.02N 46.11E 17 3.0s
ISC Event type ke.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=8.3.
DRS Event type se.
ISC VIII 28 21 15 42.6–1.1 41.98N–.02 46.06E–.02 9–9 72 1-2
TIF VIII 28 21 15 41.5 42.05N 46.04E 14–2 ¶602952379
DRS VIII 28 21 15 42.8–.00 42.07N 46.10E 12
MOS VIII 28 21 15 43.1–.00 42.01N 46.09E 18–0 3.4
ISCJB VIII 28 21 15 44.0–.35 42.00N–.02 46.08E–.03 18–5 3.4
DDA VIII 28 21 15 46.1 41.76N 45.86E 31 3.0L
ISC Event type ke.
DRS Event type se.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=149.8.
DDA Event type ke.
ISC IX 01 16 12 54.8–1.0 42.02N–.02 46.00E–.02 8–9 89 1-20
MOS IX 01 16 12 54.4–.00 42.08N 46.05E 25–0 3.9 ¶605299926
MOS IX 01 16 12 54.9–1.1 42.00N 46.04E 13 3.9b
DRS IX 01 16 12 55.8–.00 42.04N 46.03E 14 3.9b
ISC Event type ke.
MOS Event type se.
MOS Error ellipse: s-maj=9.1km s-min=6.1km az=61.4.

DRS Event type se.
ISC IX 03 01 43 34.2–1.1 42.65N–.03 45.54E–.03 26–13 30 1-2
MOS IX 03 01 43 32.7–.00 42.64N 45.57E 20–0 3.1 ¶602952395
TIF IX 03 01 43 33.1 42.71N 45.42E 26–3 3.1
ISC Event type ke.
MOS Event type se.
ISC IX 03 08 45 46.8–1.2 43.02N–.04 45.10E–.02 24–14 40 0-2
MOS IX 03 08 45 44.5–.00 42.88N 45.09E 26–0 3.5 ¶602952399
TIF IX 03 08 45 46.5 42.97N 45.05E 14–3 3.5
ISC Event type ke.
MOS Event type se.
ISC IX 04 01 19 47.6–1.1 41.78N–.03 46.37E–.02 25–13 61 0-3
NSSP IX 04 01 19 43.5 41.77N 46.38E 10 3.1s ¶602952401
TIF IX 04 01 19 45.6 41.82N 46.40E 14–1 3.1s
NORS IX 04 01 19 46.4–.00 41.82N 46.56E 21–0 3.2
DRS IX 04 01 19 46.4–.00 41.82N 46.37E 12 3.2
DDA IX 04 01 19 50.5 42.02N 46.30E 11 3.0L
ISC Event type ke.
NORS Event type se.
DRS Event type se.
DDA Event type ke.
ISC IX 05 03 13 07.1–1.5 40.86N–.06 45.93E–.04 25–14 34 1-3
NORS IX 05 03 13 05.3–.00 40.91N 46.11E 13–0 3.1 ¶602952405
TIF IX 05 03 13 06.4 40.85N 45.76E 16–2 3.1
DDA IX 05 03 13 15.9 41.08N 45.09E 7 3.0L
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
ISC IX 06 14 28 25.2–1.4 41.81N–.03 46.41E–.04 18–4 27 0-2
NSSP IX 06 14 28 23.3 41.75N 46.30E 3.0s ¶602952408
TIF IX 06 14 28 23.2 41.72N 46.38E 13–3 3.0s
NORS IX 06 14 28 25.9–.00 41.86N 46.51E 16–0 3.3
ISCJB IX 06 14 28 26.4–.51 41.81N–.03 46.36E–.04 16–8 3.3
ISC Event type ke.
NORS Event type se.
ISCJB Event type ke.
ISC IX 06 20 05 11.6–1.1 42.91N–.03 45.76E–.02 22–13 54 0-2
MOS IX 06 20 05 10.4–.00 42.85N 45.72E 34–0 3.6 ¶602952410
TIF IX 06 20 05 11.3 42.86N 45.74E 11–1 3.6
ISCJB IX 06 20 05 13.2–.36 42.96N–.03 45.79E–.03 36–9 3.6
ISC Event type ke.
MOS Event type se.
ISCJB Event type ke.
ISC IX 07 01 11 42.0–.75 42.97N–.02 46.72E–.01 9–5 208 0-23
MOS IX 07 01 11 39.7–.00 42.91N 46.65E 10–0 4.3 ¶601735328
NORS IX 07 01 11 39.4–.00 42.89N 46.67E 6–0 4.0
DRS IX 07 01 11 40.0–.00 42.94N 46.57E 13 4.0
AZER IX 07 01 11 40.7–.07 42.80N 46.44E 0–1 3.2L
MOS IX 07 01 11 41.0–1.4 42.97N 46.77E 8 4.0b
ISC Event type ke.
MOS Event type se.
NORS Event type se.
DRS Event type se.
AZER Error ellipse: s-maj=4.5km s-min=2.7km az=340.0.
MOS Error ellipse: s-maj=5.1km s-min=4.3km az=122.1.
ISC IX 08 00 02 56.3–1.5 41.31N–.05 45.71E–.02 18–6 38 0-2
NORS IX 08 00 02 55.7–.00 41.31N 45.76E 14–0 3.1 ¶602952419
ISCJB IX 08 00 02 56.7–.80 41.26N–.05 45.67E–.04 24–5 3.1
TIF IX 08 00 02 57.0 41.37N 45.58E 28–1 3.1
DRS IX 08 00 02 58.4–.00 41.40N 45.75E 18 3.1
ISC Event type ke.
NORS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.5km az=175.9.
DRS Event type se.
ISC IX 09 03 17 25.7–1.1 40.42N–.02 48.74E–.02 5–9 60 0-40
AZER IX 09 03 17 23.5–.13 40.41N 48.73E 4 3.1L ¶601863206
IDC IX 09 03 17 24.2–2.2 40.55N 49.16E 0 3.5,3.4
ISCJB IX 09 03 17 27.2–.41 40.47N–.03 48.89E–.04 22–4 3.4b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 09 05 32 30.8–1.2 40.40N–.02 48.71E–.02 3–9 3.6b 69 0-49
AZER IX 09 05 32 29.6–.05 40.43N 48.75E 4–0 3.4L ¶601863211
IDC IX 09 05 32 29.3–1.8 40.40N 48.75E 0 3.6,3.6b
ISCJB IX 09 05 32 32.5–.47 40.38N–.02 48.79E–.03 8–3 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IX 14 10 44 14.2–.85 42.98N–.02 45.04E–.01 18–2 101 0-16
NORS IX 14 10 44 11.2–.00 42.93N 45.07E 11–0 3.8 ¶602952469
MOS IX 14 10 44 11.1–.00 43.00N 45.02E 22–0 3.8
TIF IX 14 10 44 12.2 43.03N 45.06E 17–1 3.8
MOS IX 14 10 44 13.1–1.1 43.02N 45.03E 11 3.8b
ISC Event type ke.
NORS Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=7.6km s-min=5.8km az=18.4.
ISC IX 19 22 18 40.6–1.1 42.45N–.02 45.50E–.01 0–9 129 1-30
MOS IX 19 22 18 38.5–.00 42.43N 45.53E 10–0 3.8 ¶602952481
TIF IX 19 22 18 40.4 42.47N 45.45E 17–1 3.8
MOS IX 19 22 18 41.1–.95 42.42N 45.53E 12 3.9b
ISC Event type ke.
MOS Event type se.
MOS Error ellipse: s-maj=5.8km s-min=4.9km az=134.2.
ISC IX 20 02 04 46.0–1.2 42.45N–.03 45.50E–.03 15–10 41 1-2
MOS IX 20 02 04 45.3–.00 42.47N 45.55E 25–0 3.2 ¶602952482
TIF IX 20 02 04 46.1 42.45N 45.47E 19–4 3.2
ISC Event type ke.
MOS Event type se.
ISC IX 22 00 58 59.3–.97 42.01N–.02 46.03E–.01 14–8 131 1-20
MOS IX 22 00 58 57.3–.00 42.03N 46.08E 10–0 3.7 ¶602952484
TIF IX 22 00 58 58.4 42.01N 46.03E 22–1 3.7
MOS IX 22 00 58 59.1–.91 41.98N 46.07E 10 4.2b
ISC Event type ke.
MOS Event type se.
MOS Error ellipse: s-maj=5.7km s-min=4.6km az=89.4.
ISC IX 22 02 51 55.6–.75 42.88N–.02 47.42E–.02 13–5 3.3b 221 0-49
DRS IX 22 02 51 53.8–.00 42.91N 47.48E 12 3.3b ¶601792337
NORS IX 22 02 51 54.2–.00 42.74N 47.36E 2–0 4.4
MOS IX 22 02 51 54.4–.00 42.80N 47.40E 5–0 4.5
MOS IX 22 02 51 54.7–1.6 42.90N 47.58E 10 4.3b
IDC IX 22 02 51 54.3–.91 42.94N 47.24E 0 3.4,3.4
AZER IX 22 02 51 56.2–1.3 43.01N 47.41E 19–28 3.5L,3.4
ISC Event type ke.
DRS Event type se.
NORS Event type se.
MOS Event type se. FELT I=II-III MSK at Makhachkala.
MOS Error ellipse: s-maj=5.4km s-min=5.0km az=57.4. Felt (II-III) at Makhachkala. Moment Tensor Solution.
IDC Error ellipse: s-maj=17.6km s-min=9.9km az=170.0.
AZER Error ellipse: s-maj=26.6km s-min=6.1km az=179.0.
ISC IX 23 16 22 27.9–.84 43.25N–.03 45.74E–.02 9–5 87 0-16
MOS IX 23 16 22 26.1–.00 43.24N 45.77E 15–0 3.4 ¶605299932
MOS IX 23 16 22 27.8–1.1 43.26N 45.76E 9 3.9b
ISC Event type ke.
MOS Event type se.
MOS Error ellipse: s-maj=8.9km s-min=6.4km az=34.3.
ISC IX 23 21 37 23.8–2.2 40.04N–.07 46.12E–.09 4–13 26 1-3
DDA IX 23 21 37 20.9 40.11N 46.36E 8 2.8L ¶601738413
ISC Event type ke.
DDA Event type ke.
ISC IX 28 21 16 26.0–1.2 41.23N–.03 45.83E–.02 19–3 110 0-25
MOS IX 28 21 16 25.7–.00 41.34N 45.93E 23–0 3.6 ¶602952508
ISCJB IX 28 21 16 26.7–.49 41.23N–.03 45.88E–.02 18–4 3.6
MOS IX 28 21 16 26.0–1.2 41.26N 45.89E 11 3.8b
TIF IX 28 21 16 26.8 41.22N 45.72E 27–1 3.8b
ISC Event type ke.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=1.0.
MOS Error ellipse: s-maj=6.8km s-min=4.8km az=104.1.
ISC IX 30 05 14 54.4–.93 40.31N–.02 46.46E–.01 14–7 207 0-27
AZER IX 30 05 14 52.2–.07 40.37N 46.39E 12 3.9L ¶601833064
IDC IX 30 05 14 52.6–4.7 39.85N 46.69E 0 3.9,3.7
NSSP IX 30 05 14 53.0 40.23N 46.40E 10 3.5s,3.7
TEH IX 30 05 14 53.2 40.34N 46.44E 16 3.8L,3.7
DRS IX 30 05 14 54.7–.00 40.51N 46.51E 12 3.8L,3.7
THR IX 30 05 14 54.4–.57 40.19N 46.50E 14–8 3.6L,3.7
NORS IX 30 05 14 54.6–.00 40.57N 46.51E 1–0 4.4,3.7
MOS IX 30 05 14 54.3–1.0 40.28N 46.52E 12 4.3b,3.7
TIF IX 30 05 14 54.2 40.39N 46.41E 12–4 4.3b,3.7
DDA IX 30 05 14 56.8 40.39N 46.07E 6 3.6L,3.7
NNC IX 30 05 15 10.7–7.7 40.64N 48.30E 0 3.7b,3.7
ISC Event type ke.
AZER Error ellipse: s-maj=0.3km s-min=0.1km az=33.0.
IDC Error ellipse: s-maj=103.4km s-min=16.6km az=32.0.
DRS Event type se.
THR Error ellipse: s-maj=7.4km s-min=2.8km az=-1.0.
NORS Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=90.7.
DDA Event type ke.
NNC Event type se. Error ellipse: s-maj=92.2km s-min=54.9km az=98.0.
ISC IX 30 05 18 28.4–1.0 40.29N–.02 46.44E–.01 7–9 153 0-27
DRS IX 30 05 18 23.9–.00 40.63N 46.32E 6 ¶601857520
NSSP IX 30 05 18 27.1 40.23N 46.40E 10 3.3s
AZER IX 30 05 18 27.1–.07 40.36N 46.38E 12 3.6L
TEH IX 30 05 18 28.8 40.29N 46.46E 10 3.6L
TIF IX 30 05 18 29.5 40.41N 46.41E 10–5 3.6L
MOS IX 30 05 18 30.8–.65 40.36N 46.37E 10 4.3b
NORS IX 30 05 18 31.1–.00 40.56N 46.65E 2–0 3.9
IDC IX 30 05 18 31.5–5.4 40.16N 46.81E 0 3.5,3.5L
DDA IX 30 05 18 32.0 40.43N 46.05E 1 3.4L,3.5L
ISC Event type ke.
DRS Event type se.
AZER Error ellipse: s-maj=0.3km s-min=0.2km az=358.0.
MOS Error ellipse: s-maj=10.8km s-min=6.0km az=98.1.
NORS Event type se.
IDC Error ellipse: s-maj=119.7km s-min=16.7km az=31.0.
DDA Event type ke.
ISC X 03 21 44 32.3–5.7 40.2N–.20 49.2E–.20 14–16 17 2-4
NORS X 03 21 44 44.6–.00 40.72N 48.37E 4–0 3.4 ¶606583103
DRS X 03 21 44 44.2–.00 40.56N 48.52E 15 3.4
MOS X 03 21 44 46.5–.00 40.80N 48.37E 15–13 3.5
ISC Event type se.
NORS Event type se.
DRS Event type se.
MOS Event type se.
MOS X 05 04 59 08.2–.00 42.81N 46.15E 14–0 3.6
NORS X 05 04 59 07.2–.00 42.76N 46.09E 5–0 3.6 ¶606583115
MOS Event type se.
NORS Event type se.
ISC X 06 02 47 21.1–2.3 42.13N–.07 46.80E–.06 58–19 14 0-1
DRS X 06 02 47 19.8–.00 41.88N 46.46E 15 ¶606583119
MOS X 06 02 47 19.5–.00 42.08N 46.75E 51–1 2.8
ISCJB X 06 02 47 20.3–1.8 42.14N–.07 46.81E–.08 66–14 2.8
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.
ISC X 07 02 30 41.7–.64 41.44N–.03 48.96E–.03 67–6 3.6b 185 0-50
MOS X 07 02 30 38.9–1.6 41.44N 49.37E 31 4.1b ¶601839729
IDC X 07 02 30 40.2–1.5 41.39N 48.88E 40–15 3.7,3.7
NORS X 07 02 30 42.5–.00 41.40N 48.87E 36–0 4.6,3.7
ISCJB X 07 02 30 42.0–.29 41.44N–.02 48.96E–.03 89–3 3.5b,3.7
AZER X 07 02 30 43.8–.12 41.38N 48.85E 45 3.6L,3.7
DRS X 07 02 30 44.8–.00 41.31N 49.09E 24 3.6L,3.7
MOS X 07 02 30 47.1–.00 41.60N 48.46E 38–0 4.4,3.7
NNC X 07 02 30 49.6–2.6 41.73N 50.56E 0 3.9b,3.6
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=5.0km az=38.6.
IDC Error ellipse: s-maj=20.7km s-min=11.5km az=150.0.
NORS Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.8km az=146.4.
AZER Error ellipse: s-maj=0.8km s-min=0.3km az=245.0.
DRS Event type se.
MOS Event type se.
NNC Event type se. Error ellipse: s-maj=26.3km s-min=9.2km az=74.0.
ISC X 07 11 42 49.8–.34 40.76N–.02 48.44E–.02 41–3 5.3b,4.6s 1573 0-152
BJI X 07 11 42 44.4 40.79N 47.74E 40 5.6b,5.3b ¶601794228
IDC X 07 11 42 45.9–1.2 40.73N 48.45E 12–7 5.0,5.0
TEH X 07 11 42 45.6 40.82N 48.58E 19 5.3L,5.0
MOS X 07 11 42 45.5–1.3 40.88N 48.54E 15 5.5b,4.4s
THR X 07 11 42 46.6–.54 40.71N 48.60E 15 5.2L,4.4s
NEIC X 07 11 42 47.2–1.1 40.75N 48.44E 17–6 5.4b,4.7s
MOS X 07 11 42 49.2–.00 40.74N 48.62E 35–0 5.8,4.7s
NORS X 07 11 42 49.5–.00 40.72N 48.66E 20–0 5.4,4.7s
ISCJB X 07 11 42 50.7–.12 40.66N–.01 48.43E–.01 61–1 5.2b,4.7s
AZER X 07 11 42 50.7–.00 40.70N 48.35E 41 5.3L,4.7s
GCMT X 07 11 42 50.2–.20 40.55N–.02 48.50E–.02 44–0 5.1W,4.7s
DRS X 07 11 42 50.1–.00 40.46N 48.79E 24 5.1W,4.7s
GII X 07 11 42 51.4–.53 40.74N 48.47E 41 5.1W,4.7s
NNC X 07 11 42 55.6–1.9 41.40N 49.69E 0 5.8,5.6b
ISC Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=5.6km az=176.0.
MOS Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=43.7. Felt (II-III) at Makhachkala. Moment Tensor Solution.
THR Error ellipse: s-maj=8.3km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=187.0.
MOS Event type se.
NORS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=30.2.
AZER Error ellipse: s-maj=0.6km s-min=0.4km az=226.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c89; s89,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.17 $M_{\theta\theta}$4.61±.12; $M_{\phi\phi}$0.34±.11; $M_{r\theta}$-1.41±.12; $M_{\theta\phi}$-2.05±.09; $M_{\phi r}$1.32±.10; Best double couple: NP1:ϕ_s120.00000°,δ55.00000°,λ-81.00000°. NP2:ϕ_s284.00000°,δ36.00000°,λ-103.00000°. Principal axes: T 5.7400,Plg10.0000° ,Azm203.0000°; N -0.3900,Plg8.0000°,Azm294.0000°; P -5.3510,Plg78.0000°,Azm63.0000° M_o5.54600×10^{16}
DRS Event type se.
GII Event type se.
NNC Event type se. Error ellipse: s-maj=14.6km s-min=7.7km az=82.0.
ISC X 07 12 42 29.8–.79 40.67N–.02 48.38E–.02 32–7 97 0-12
MOS X 07 12 42 27.4–2.1 40.53N 48.53E 18 4.2b ¶601839755
MOS X 07 12 42 27.3–.00 40.88N 48.57E 1–0 4.1
DRS X 07 12 42 27.4–.00 40.54N 48.54E 18 4.1
NORS X 07 12 42 27.4–.00 40.91N 48.58E 2–0 3.9
AZER X 07 12 42 28.1–.01 40.70N 48.38E 39 3.4L
ISCJB X 07 12 42 30.2–.29 40.68N–.02 48.39E–.02 39–6 3.4L
NNC X 07 12 42 34.7–12 41.13N 49.94E 0 3.8b,3.6
ISC Event type se.
MOS Error ellipse: s-maj=14.1km s-min=7.3km az=108.9.
MOS Event type se.
DRS Event type se.
NORS Event type se.

AZER Error ellipse: s-maj=0.3km s-min=0.3km az=286.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=151.4.
NNC Event type se. Error ellipse: s-maj=122.6km s-min=41.6km az=70.0.

ISC	**X**	**07 12 49 36.2–.78**	**40.69N–.02**	**48.39E–.02**	**28**		**136**	**0-25**
IDC	X	07 12 49 30.0–1.5	40.89N	48.52E	0	3.6b,3.4		¶601997369
MOS	X	07 12 49 33.5–.00	40.76N	48.61E	22–0	4.1,3.4		
TEH	X	07 12 49 34.5	40.67N	48.33E	28	3.4L,3.4		
AZER	X	07 12 49 35.1–.13	40.76N	48.44E	41	3.2L,3.4		
MOS	X	07 12 49 35.8–1.1	40.63N	48.43E	28	4.1b,3.4		
ISCJB	X	07 12 49 36.7–.25	40.66N–.01	48.37E–.03	28	3.5b,3.4		
DRS	X	07 12 49 37.2–.00	40.63N	48.53E	22	3.5b,3.4		

ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=14.4km az=2.0.
MOS Event type se.
AZER Error ellipse: s-maj=0.5km s-min=0.4km az=262.0.
MOS Error ellipse: s-maj=13.4km s-min=7.5km az=116.1.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=165.7.
DRS Event type se.

MOS	**X**	**08 08 15 09.8–.00**	**43.24N**	**46.41E**	**43–3**	**3.6**		
								¶606583132

MOS Event type se.

ISC	**X**	**08 15 36 49.8–.93**	**40.44N–.06**	**49.04E–.07**	**16**		**31**	**1-25**
MOS	X	08 15 36 45.1–1.9	40.47N	49.15E	5	4.2b		¶601997550
MOS	X	08 15 36 48.6–.00	40.64N	49.10E	4–0	4.1		
IDC	X	08 15 36 49.1–2.9	40.84N	49.32E	0	3.5,3.5b		

ISC Event type se.
MOS Error ellipse: s-maj=23.6km s-min=11.3km az=126.7.
MOS Event type se.
IDC Error ellipse: s-maj=87.3km s-min=17.7km az=20.0.

MOS	**X**	**08 18 51 12.4–.00**	**40.82N**	**48.50E**	**35–0**	**3.9**		
DRS	X	08 18 51 11.6–.00	40.46N	48.47E	21	3.9		¶605299975
MOS	X	08 18 51 12.5–.81	40.88N	48.63E	3	4.0b		

MOS Event type se.
DRS Event type se.
MOS Error ellipse: s-maj=59.8km s-min=11.0km az=117.2.

ISC	**X**	**09 22 59 08.3–1.5**	**41.52N–.05**	**46.82E–.03**	**10–11**		**25**	**1-2**
MOS	X	09 22 59 07.0–.00	41.50N	46.80E	31–0	3.3		¶606583136
NORS	X	09 22 59 08.4–.00	41.56N	46.88E	9–0	3.0		
ISCJB	X	09 22 59 09.4–.78	41.48N–.05	46.84E–.06	29–8	3.0		
DRS	X	09 22 59 09.0–.00	41.50N	46.75E	14	3.0		

ISC Event type se.
MOS Event type se.
NORS Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.8km az=142.0.
DRS Event type se.

ISC	**X**	**10 00 35 13.3–.75**	**40.72N–.01**	**47.10E–.01**	**16–5**		**204**	**0-22**
NSSP	X	10 00 35 10.8	40.80N	47.02E	10	3.4s		¶602952548
AZER	X	10 00 35 10.8–.00	40.81N	47.13E	16	3.4L		
TEH	X	10 00 35 11.0	40.78N	47.13E	26	3.1L		
TIF	X	10 00 35 11.2	40.71N	47.49E	41–3	3.1L		
DRS	X	10 00 35 11.3–.00	40.65N	46.82E	16	3.1L		
MOS	X	10 00 35 12.2–.68	40.68N	47.11E	9	4.1b		
MOS	X	10 00 35 12.8–.00	40.83N	47.13E	11–0	4.1		
NORS	X	10 00 35 12.4–.00	40.87N	47.08E	5–0	4.1		
DDA	X	10 00 35 20.9	41.11N	46.48E	8	3.4L		

ISC Event type ke.
AZER Error ellipse: s-maj=0.5km s-min=0.3km az=340.0.
DRS Event type se.
MOS Error ellipse: s-maj=9.4km s-min=4.5km az=98.4.
MOS Event type se.
NORS Event type se.
DDA Event type ke.

ISC	**X**	**11 13 14 03.7–3.5**	**40.6N–.10**	**46.02E–.04**	**8–26**		**20**	**1-3**
NORS	X	11 13 14 05.5–.00	40.72N	46.15E	14–0	3.6		¶602952556
TIF	X	11 13 14 05.4	40.69N	45.97E	24–2	3.6		

ISC Event type se.
NORS Event type se.

ISC	**X**	**11 18 11 12.3–.99**	**43.34N–.02**	**45.79E–.02**	**6–7**		**152**	**0-23**
DRS	X	11 18 11 10.4–.00	43.39N	45.59E	16			¶601846743
MOS	X	11 18 11 11.1–.00	43.27N	45.82E	6–0	4.1		
NORS	X	11 18 11 11.8–.00	43.14N	45.73E	7–0	4.1		
TIF	X	11 18 11 11.5	43.36N	45.77E	15–4	4.1		
MOS	X	11 18 11 13.5–1.1	43.23N	45.77E	14	4.2b		

ISC Event type se.
DRS Event type se.
MOS Event type se.
NORS Event type se.
MOS Error ellipse: s-maj=7.1km s-min=4.5km az=43.8.

ISC	**X**	**13 18 44 12.3–.51**	**41.75N–.01**	**46.28E–.01**	**16–3**	**4.6b,4.1s**	**667**	**0-99**
THR	X	13 18 44 08.3–.37	42.05N	46.20E	18–87	4.5L,4.1s		¶601833173
BJI	X	13 18 44 09.9	41.80N	46.30E	15	5.1b,4.7b		
IDC	X	13 18 44 09.6–.48	41.73N	46.36E	0	4.3,4.2		
ISCJB	X	13 18 44 10.9–.10	41.81N–.01	46.38E–.01	10	4.5b,4.0s		
AZER	X	13 18 44 10.8–.01	41.62N	46.29E	5–0	4.5L,4.0s		
MOS	X	13 18 44 10.6–1.7	41.68N	46.36E	12	4.7b,4.0s		
MOS	X	13 18 44 11.0–.00	41.75N	46.32E	11–0	5.2,4.0s		
TIF	X	13 18 44 11.6	41.75N	46.31E	14–1	5.2,4.0s		
NORS	X	13 18 44 11.7–.00	41.74N	46.35E	17–0	5.1,4.0s		
NEIC	X	13 18 44 11.2–.74	41.83N	46.33E	9–5	4.6L,4.6L		
NSSP	X	13 18 44 11.5	41.73N	46.35E	10	4.7s,4.6L		
DRS	X	13 18 44 13.5–.00	41.76N	46.27E	15	4.7s,4.6L		
NNC	X	13 18 44 16.8–4.5	41.90N	46.61E	34–34	4.5b,4.6L		
DDA	X	13 18 44 22.7	41.30N	45.22E	5	4.3L,4.6L		

ISC Event type fe.
THR Error ellipse: s-maj=60.6km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=8.8km s-min=7.1km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=23.1.
AZER Error ellipse: s-maj=1.1km s-min=0.6km az=349.0.
MOS Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=118.3. Felt (II) at Makhachkala. Moment Tensor Solution.
MOS Event type se.
NORS Event type se.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.5km az=186.0. Felt [III] at Tbilisi.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=15.4km az=64.0.
DDA Event type ke.

MOS	**X**	**14 05 23 41.1–.00**	**41.69N**	**48.71E**	**19–0**	**4.1**		
DRS	X	14 05 23 42.1–.00	41.66N	49.05E	20	4.1		¶606583154

MOS Event type se.
DRS Event type se.

ISC	**X**	**14 10 08 24.0–.89**	**41.71N–.01**	**46.26E–.01**	**13–6**	**4.0b**	**287**	**0-72**
IDC	X	14 10 08 20.1–.80	41.72N	46.36E	0	3.8,3.8b		¶601833196
NSSP	X	14 10 08 21.5	41.73N	46.27E	10	4.3s,3.8b		
AZER	X	14 10 08 22.5–.37	41.64N	46.28E	7	4.0L,3.8b		
MOS	X	14 10 08 22.4–.00	41.72N	46.30E	9–0	4.8,3.8b		
ISCJB	X	14 10 08 23.5–.27	41.72N–.01	46.27E–.01	3–2	4.8s,4.0b		
NORS	X	14 10 08 23.9–.00	41.76N	46.41E	16–0	4.8s,4.0b		
NNC	X	14 10 08 23.4–8.5	42.09N	46.30E	0	3.9b,4.0b		
NEIC	X	14 10 08 23.7–.46	41.73N	46.32E	10	4.4b,4.1L		
MOS	X	14 10 08 24.1–.89	41.66N	46.35E	12	4.2b,4.1L		
TIF	X	14 10 08 24.6	41.66N	46.24E	29–1	4.2b,4.1L		
DRS	X	14 10 08 25.3–.00	41.76N	46.24E	16	4.2b,4.1L		

ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=9.5km az=60.0.
AZER Error ellipse: s-maj=1.4km s-min=0.5km az=335.0.
MOS Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=43.3.
NORS Event type se.
NNC Event type se. Error ellipse: s-maj=142.7km s-min=76.5km az=121.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=9.0.
MOS Error ellipse: s-maj=5.7km s-min=4.1km az=98.7.
DRS Event type se.

ISC	**X**	**14 10 13 40.3–.38**	**41.72N–.01**	**46.31E–.01**	**24–2**	**5.4s,5.2b**	**1257**	**0-137**
NSSP	X	14 10 13 34.9	41.72N	46.28E	10	5.3s,5.2b		¶601833197
IDC	X	14 10 13 35.8–.31	41.71N	46.35E	0	5.2,5.2s		
AZER	X	14 10 13 36.2–.07	41.66N	46.27E	8–0	5.8L,5.2s		
MOS	X	14 10 13 36.7–.00	41.73N	46.31E	7–0	5.6,5.2s		
BJI	X	14 10 13 36.8	41.90N	46.40E	10	5.6s,5.5b		
MOS	X	14 10 13 37.1–1.4	41.72N	46.39E	10	5.3b,5.1s		
NORS	X	14 10 13 37.3–.00	41.75N	46.35E	4–0	5.6,5.1s		
TIF	X	14 10 13 37.5	41.66N	46.31E	14–1	5.6,5.1s		
NEIC	X	14 10 13 38.6–.12	41.83N	46.41E	10	5.6L,5.4L		
DRS	X	14 10 13 39.2–.00	41.77N	46.17E	16	5.6L,5.4L		
ISCJB	X	14 10 13 39.5–.24	41.75N–.01	46.37E–.01	26–1	5.3s,5.1b		
GII	X	14 10 13 39.7–.00	41.88N	46.44E	30–4	5.3s,5.1b		
GCMT	X	14 10 13 39.6–.20	41.63N–.01	46.31E–.02	12	5.6W,5.1b		
NNC	X	14 10 13 40.6–5.2	42.03N	46.72E	0	5.7b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=6.9km s-min=5.9km az=4.0.
AZER Error ellipse: s-maj=1.6km s-min=0.7km az=326.0.
MOS Event type se.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=120.3. Felt (III-IV) at Makhachkala, (II) at Tarumovka. Moment Tensor Solution.
NORS Event type se.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=178.0. Felt [IV] at Tbilisi, Georgia. Also felt at Lagodekhi, Rust'avi, Tibaani and Zemo Khandaki. Felt at Yerevan, Armenia.
DRS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=9.2.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c95; s94,c158;Duration: 1§5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.02 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$2.66±.06; $M_{\theta\phi}$0.33±.02; $M_{\phi r}$-0.45±.06; Best double couple: NP1:ϕ_s100.00000°,δ83.00000°,λ86.00000°. NP2:ϕ_s310.00000°,δ9.00000°,λ120.00000°. Principal axes: T 2.7840,Plg52.0000° ,Azm5.0000°; N 0.0320,Plg4.0000°,Azm101.0000°; P -2.8170,Plg37.0000°,Azm194.0000° $M_0$2.80000×10^{17}
NNC Event type se. Error ellipse: s-maj=63.8km s-min=39.7km az=8.0.

ISC	**X**	**14 10 19 28.9–.99**	**41.69N–.01**	**46.26E–.01**	**8–9**		**133**	**0-3**
NSSP	X	14 10 19 24.6	41.78N	46.22E	10	3.6s		¶602952564
AZER	X	14 10 19 25.6–.04	41.63N	46.26E	4–0	3.4L		
DRS	X	14 10 19 25.8–.00	41.71N	46.25E	9	3.4L		
MOS	X	14 10 19 26.9–.00	41.71N	46.30E	12–0	4.2		
MOS	X	14 10 19 28.9–1.2	41.70N	46.30E	10	4.3b		
TIF	X	14 10 19 29.5	41.71N	46.21E	19–1	4.3b		

ISC Event type se.
AZER Error ellipse: s-maj=1.4km s-min=0.5km az=339.0.
DRS Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=10.5km s-min=7.9km az=69.1.

ISC	**X**	**14 10 25 29.2–1.0**	**41.71N–.02**	**46.32E–.02**	**12–8**		**121**	**0-2**
TIF	X	14 10 25 26.8	41.85N	46.37E	11–1			¶602952565
NSSP	X	14 10 25 27.0	41.68N	46.22E	10	3.6s		
MOS	X	14 10 25 27.8–.00	41.73N	46.36E	14–0	4.1		
DRS	X	14 10 25 28.4–.00	41.78N	46.26E	12	4.1		
MOS	X	14 10 25 28.8–1.1	41.68N	46.38E	11	4.3b		

ISC Event type se.
MOS Event type se.
DRS Event type se.
MOS Error ellipse: s-maj=7.6km s-min=5.3km az=89.7.

ISC	**X**	**14 10 27 11.3–1.1**	**41.71N–.02**	**46.29E–.02**	**14–9**		**86**	**0-2**
DRS	X	14 10 27 06.7–.00	41.62N	46.20E	9			¶602952566
NSSP	X	14 10 27 09.4	41.63N	46.30E	10	3.2s		
MOS	X	14 10 27 10.3–.00	41.73N	46.34E	17–0	3.9		
MOS	X	14 10 27 12.2–1.5	41.74N	46.34E	10	4.1b		
TIF	X	14 10 27 12.9	41.71N	46.21E	17–2	4.1b		

ISC Event type se.
DRS Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=11.4km s-min=6.9km az=62.5.

ISC	**X**	**14 10 47 43.9–1.0**	**41.68N–.02**	**46.24E–.02**	**11–9**		**97**	**0-15**
NSSP	X	14 10 47 41.9	41.67N	46.13E	10	3.1s		¶602952567
MOS	X	14 10 47 42.8–.00	41.71N	46.33E	9–0	3.9		
DRS	X	14 10 47 43.4–.00	41.70N	46.21E	13	3.9		
MOS	X	14 10 47 44.4–.89	41.67N	46.29E	14	4.0b		
TIF	X	14 10 47 44.7	41.67N	46.26E	32–2	4.0b		

ISC Event type se.
MOS Event type se.
DRS Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.9km az=78.1.

ISC	**X**	**14 12 09 47.8–.98**	**41.67N–.01**	**46.32E–.01**	**8–8**		**153**	**0-20**
NSSP	X	14 12 09 45.3	41.68N	46.23E	10	3.3s		¶602952568
MOS	X	14 12 09 45.8–.00	41.70N	46.31E	8–0	3.9		
DRS	X	14 12 09 45.1–.00	41.65N	46.18E	12	3.9		
AZER	X	14 12 09 46.0–.02	41.62N	46.36E	9	3.0L		
MOS	X	14 12 09 47.6–.74	41.66N	46.33E	11	3.9b		
TIF	X	14 12 09 47.6	41.71N	46.33E	23–1	3.9b		

ISC Event type se.
MOS Event type se.
DRS Event type se.
AZER Error ellipse: s-maj=0.7km s-min=0.2km az=334.0.
MOS Error ellipse: s-maj=6.7km s-min=4.7km az=96.7.

ISC	**X**	**14 12 32 54.6–1.1**	**41.69N–.03**	**46.27E–.02**	**13–9**		**54**	**0-2**
MOS	X	14 12 32 53.5–.00	41.70N	46.32E	9–0	3.6		¶602952569
DRS	X	14 12 32 53.8–.00	41.69N	46.21E	12	3.6		
TIF	X	14 12 32 55.4	41.70N	46.24E	14–1	3.6		

ISC Event type se.
MOS Event type se.
DRS Event type se.

ISC	**X**	**14 14 07 22.0–1.3**	**41.66N–.04**	**46.36E–.03**	**7–10**		**35**	**0-2**
DRS	X	14 14 07 19.5–.00	42.37N	47.93E	2			¶606583155
MOS	X	14 14 07 20.2–.00	41.64N	46.22E	9–451	3.3		
ISCJB	X	14 14 07 21.9–.72	41.72N–.04	46.27E–.04	3–11	3.3		

ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.

ISC	**X**	**14 14 45 45.2–1.1**	**41.76N–.03**	**46.34E–.02**	**19–3**		**94**	**0-2**
DRS	X	14 14 45 41.8–.00	41.73N	46.26E	10			¶602952571
MOS	X	14 14 45 42.7–.00	41.71N	46.33E	9–0	3.8		
MOS	X	14 14 45 45.6–2.0	41.71N	46.36E	16	4.0b		
TIF	X	14 14 45 45.9	41.80N	46.25E	13–4	4.0b		

ISC Event type se.
DRS Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=10.9km s-min=6.6km az=75.4.

ISC	**X**	**14 15 40 40.9–.81**	**41.70N–.01**	**46.33E–.01**	**19–2**	**3.5b,3.0s**	**245**	**0-48**
IDC	X	14 15 40 37.9–.71	41.64N	46.32E	0	3.6,3.5		¶601853253
MOS	X	14 15 40 38.3–.00	41.71N	46.38E	1–0	4.6,3.5		
DRS	X	14 15 40 39.0–.00	41.64N	46.21E	13	4.6,3.5		
AZER	X	14 15 40 39.2–.04	41.62N	46.34E	9–0	3.8L,3.5		
NSSP	X	14 15 40 39.5	41.68N	46.25E	10	3.9s,3.5		
TIF	X	14 15 40 40.3	41.70N	46.34E	13–1	3.9s,3.5		
MOS	X	14 15 40 41.5–.93	41.67N	46.39E	18	4.3b,3.5		
NNC	X	14 15 40 43.1–6.5	41.73N	47.08E	0	3.8b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=7.8km az=118.0.
MOS Event type se.
DRS Event type se.
AZER Error ellipse: s-maj=1.5km s-min=0.6km az=347.0.
MOS Error ellipse: s-maj=6.2km s-min=4.3km az=97.5.
NNC Event type se. Error ellipse: s-maj=118.3km s-min=54.9km az=111.0.

ISC	**X**	**14 15 44 37.4–1.1**	**41.75N–.03**	**46.34E–.02**	**26–12**		**38**	**0-2**

DRS X 14 15 44 32.6–.00 41.69N 46.20E 10 ¶602952572
MOS X 14 15 44 34.2–.00 41.72N 46.35E 8–0 3.5
TIF X 14 15 44 35.4 41.84N 46.42E 35–1 3.5
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISC X 14 17 48 59.7–1.2 41.77N–.03 46.28E–.03 7–11 33 0-2
MOS X 14 17 48 58.4–.00 41.76N 46.32E 15–1 2.8 ¶606583156
ISC Event type se.
MOS Event type se.
ISC X 14 21 02 54.2–1.1 41.73N–.02 46.29E–.02 2–10 139 0-20
MOS X 14 21 02 53.5–.00 41.76N 46.33E 16–0 3.8 ¶602952575
NSSP X 14 21 02 53.4 41.67N 46.27E 10 3.2s
TIF X 14 21 02 54.5 41.82N 46.31E 21–3 3.2s
MOS X 14 21 02 55.3–1.0 41.72N 46.36E 15 4.0b
DRS X 14 21 02 55.4–.00 41.74N 46.29E 14 4.0b
DDA X 14 21 03 25.6 40.54N 43.81E 7 2.0L
ISC Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.3km az=94.4.
DRS Event type se.
DDA Event type ke.
ISC X 15 02 33 17.8–1.0 41.72N–.02 46.35E–.01 20–3 117 0-20
MOS X 15 02 33 14.5–.00 41.71N 46.34E 4–1 3.9 ¶602952577
TIF X 15 02 33 15.4 41.71N 46.45E 14–2 3.9
MOS X 15 02 33 17.6–.70 41.73N 46.37E 11 3.9b
DRS X 15 02 33 19.3–.00 41.75N 46.30E 18 3.9b
ISC Event type se.
MOS Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.4km az=82.7.
DRS Event type se.
ISC X 15 04 16 09.9–1.3 41.74N–.04 46.37E–.03 13–11 32 0-2
MOS X 15 04 16 09.0–.00 41.74N 46.38E 22–1 3.2 ¶602952578
DRS X 15 04 16 10.7–.00 41.71N 46.27E 17 3.2
ISCJB X 15 04 16 11.4–.52 41.74N–.03 46.39E–.05 21–8 3.2
TIF X 15 04 16 11.9 41.74N 46.25E 35–2 3.2
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=44.6.
ISC X 15 04 49 41.3–1.3 41.76N–.04 46.40E–.04 13–11 18 0-2
MOS X 15 04 49 39.7–.00 41.76N 46.39E 28–1 3.1 ¶606583157
DRS X 15 04 49 41.8–.00 41.73N 46.25E 18 3.1
ISC Event type se.
MOS Event type se.
DRS Event type se.
MOS X 15 11 54 00.7–.00 41.62N 46.32E 22–0 3.6
¶606767961
MOS Event type se.
ISC X 15 11 54 25.6–1.1 41.64N–.04 46.51E–.03 33–11 28 0-3
DRS X 15 11 54 19.4–.00 41.65N 46.22E 7 ¶606583158
MOS X 15 11 54 22.1–.00 41.59N 46.47E 21–2 3.1
ISCJB X 15 11 54 25.1–1.0 41.60N–.05 46.54E–.05 48–11 3.1
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.
ISC X 15 13 45 18.1–1.2 41.79N–.03 46.40E–.03 12–10 36 0-2
MOS X 15 13 45 15.9–.00 41.75N 46.39E 13–1 3.5 ¶606583159
DRS X 15 13 45 17.6–.00 41.67N 46.26E 17 3.5
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISC X 16 04 48 17.7–1.5 41.65N–.06 46.45E–.03 44–16 25 0-2
DRS X 16 04 48 11.4–.00 41.45N 46.06E 15 ¶606583162
MOS X 16 04 48 14.9–.00 41.73N 46.31E 21–0 3.6
ISCJB X 16 04 48 16.7–.63 41.64N–.04 46.42E–.05 28–7 3.6
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.
ISC X 16 23 03 49.2–1.2 41.79N–.04 46.33E–.03 18–8 24 0-2
MOS X 16 23 03 48.1–.00 41.80N 46.35E 22–1 2.5 ¶602952582
TIF X 16 23 03 48.4 41.94N 46.29E 11–3 2.5
ISCJB X 16 23 03 49.9–.56 41.81N–.03 46.37E–.05 8–8 2.5
DRS X 16 23 03 50.1–.00 41.75N 46.29E 17 2.5
ISC Event type se.
MOS Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.3km az=163.4.
DRS Event type se.
ISC X 17 04 57 25.7–1.5 41.71N–.04 46.38E–.04 11–12 27 0-2
DRS X 17 04 57 21.5–.00 41.64N 46.23E 9 ¶602952584
MOS X 17 04 57 24.6–.00 41.73N 46.37E 29–0 3.6
TIF X 17 04 57 25.2 41.69N 46.41E 36–2 3.6
ISCJB X 17 04 57 26.9–.54 41.69N–.04 46.40E–.04 27–5 3.6
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.
ISC X 17 08 25 50.6–1.4 42.57N–.05 46.69E–.04 56–7 38 0-2
ISCJB X 17 08 25 49.5–.69 42.56N–.05 46.66E–.04 64–6 ¶606583164
MOS X 17 08 25 49.2–.00 42.49N 46.69E 50–0 3.7
DRS X 17 08 25 49.0–.00 42.42N 46.06E 23 3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.1km az=25.3.
MOS Event type se.
DRS Event type se.
MOS X 17 18 31 54.2–.00 41.84N 48.68E 21–0 4.1
DRS X 17 18 31 53.4–.00 41.86N 49.07E 18 4.1 ¶606583165
MOS Event type se.
DRS Event type se.
MOS X 18 02 37 36.4–.00 41.42N 48.47E 11–7 3.5
DRS X 18 02 37 38.5–.00 41.44N 48.50E 14 3.5 ¶606583169
MOS Event type se.
DRS Event type se.
ISC X 18 06 55 03.6–.92 43.33N–.02 45.55E–.01 11–7 3.6b 209 0-48
DRS X 18 06 55 01.0–.00 43.29N 45.30E 14 3.6b ¶601998764
IDC X 18 06 55 01.9–.80 43.50N 45.38E 0 3.6,3.6
MOS X 18 06 55 02.8–.00 43.26N 45.55E 11–0 4.6,3.6
ISCJB X 18 06 55 02.9–.31 43.37N–.02 45.59E–.02 4–2 3.4b,2.4s
TIF X 18 06 55 02.5 43.36N 45.51E 10–2 3.4b,2.4s
MOS X 18 06 55 03.3–1.0 43.46N 45.60E 14 4.6b,2.4s
AZER X 18 06 55 06.2–10 43.15N 45.31E 35 3.8L,2.4s
DDA X 18 06 55 24.9 41.92N 44.83E 62 3.1L,2.4s
ISC Event type ke.
DRS Event type se.
IDC Error ellipse: s-maj=14.7km s-min=9.1km az=175.0.
MOS Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.7km az=20.3.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=124.4. Felt (III) at Groznyy. Moment Tensor Solution.
DDA Event type ke.
ISC X 18 15 35 05.3–1.4 41.70N–.04 46.34E–.04 18–5 34 0-2
MOS X 18 15 35 03.7–.00 41.73N 46.38E 14–1 3.0 ¶606583173
ISCJB X 18 15 35 06.7–.65 41.68N–.04 46.46E–.05 27–5 3.0
ISC Event type se.
MOS Event type se.
ISCJB Event type se.
ISC X 18 18 48 35.1–1.1 41.69N–.01 46.34E–.01 1–9 183 0-20
MOS X 18 18 48 33.8–.00 41.74N 46.37E 10–0 4.1 ¶602952596
AZER X 18 18 48 33.1–.01 41.63N 46.34E 9–0 3.2L
NSSP X 18 18 48 33.3 41.67N 46.28E 8 3.5s
TIF X 18 18 48 34.0 41.69N 46.35E 8–2 3.5s
DDA X 18 18 48 34.5 41.88N 46.33E 21 3.5L
MOS X 18 18 48 35.4–.88 41.67N 46.36E 14 4.2b
DRS X 18 18 48 39.1–.00 41.83N 46.44E 16 4.2b
ISC Event type ke.
MOS Event type se.
AZER Error ellipse: s-maj=1.1km s-min=0.5km az=337.0.
DDA Event type ke.
MOS Error ellipse: s-maj=7.1km s-min=5.2km az=80.1.
DRS Event type se.
MOS X 20 14 40 37.0–.00 42.52N 45.67E 24–0 3.5
¶606583178
MOS Event type se.
ISC X 21 21 44 56.2–1.0 41.30N–.04 45.42E–.03 24–6 44 0-2
DRS X 21 21 44 44.6–.00 41.13N 45.24E 8 ¶602952602
MOS X 21 21 44 54.1–.00 41.25N 45.49E 21–0 2.8
TIF X 21 21 44 55.5 41.30N 45.42E 18–1 2.8
DDA X 21 21 44 56.3 41.23N 45.31E 7 2.6L
ISC Event type ke.
DRS Event type se.
MOS Event type se.
DDA Event type ke.
ISC X 23 04 35 01.0–.84 41.77N–.02 46.33E–.02 15–6 99 0-20
DRS X 23 04 34 59.2–.00 41.61N 46.26E 15 ¶602952608
NSSP X 23 04 34 59.1 41.68N 41.25E 8 3.1s
ISCJB X 23 04 34 60.0–.46 41.70N–.02 46.41E–.03 6–4 3.1s
MOS X 23 04 34 59.4–.00 41.71N 46.40E 21–0 3.7
TIF X 23 04 35 00.5 41.81N 46.32E 17–1 3.7
NORS X 23 04 35 00.6–.00 41.71N 46.40E 10–0 3.9
MOS X 23 04 35 00.5–1.6 41.79N 46.30E 11 3.9b
ISC Event type se.
DRS Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=162.3.
MOS Event type se.
NORS Event type se.
MOS Error ellipse: s-maj=7.4km s-min=5.5km az=89.9.
ISC X 23 04 43 37.5–1.1 42.14N–.03 46.01E–.04 28–13 30 1-3
MOS X 23 04 43 35.5–.00 42.16N 45.98E 35–0 3.3 ¶606767964
TIF X 23 04 43 35.6 42.15N 45.84E 9–4 3.3
ISC Event type se.
MOS Event type se.
ISC X 23 16 17 56.5–.73 42.06N–.02 47.71E–.02 23–5 4.1b,3.3s 273 0-80
AZER X 23 16 17 52.3–.02 42.13N 47.71E 9 4.0L,3.3s ¶601843608
MOS X 23 16 17 54.9–1.1 42.06N 47.82E 17 4.2b,3.3s
MOS X 23 16 17 54.9–.00 42.00N 47.63E 9–0 4.8,3.3s
IDC X 23 16 17 55.5–3.9 41.97N 47.64E 17–26 4.1,4.1
TIF X 23 16 17 55.7 42.00N 47.65E 25–2 4.1,4.1
ISCJB X 23 16 17 56.4–.29 42.12N–.02 47.85E–.02 23–2 4.2b,3.3s
DRS X 23 16 17 56.3–.00 41.99N 47.62E 14 4.2b,3.3s
NEIC X 23 16 17 58.2–.79 42.05N 47.70E 39–10 4.1b,3.3s
NNC X 23 16 18 03.5–2.7 42.32N 48.23E 38–20 4.1b,4.0
ISC Event type se.
AZER Error ellipse: s-maj=0.5km s-min=0.3km az=18.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=116.0. Felt (IV) at Madzhalis, Kubachi; (II-III) at Derbent. Moment Tensor Solution.
MOS Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=5.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.1km az=40.6.
DRS Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=184.0.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=10.9km az=77.0.
ISC X 24 00 29 33.6–.97 43.02N–.03 45.51E–.02 15–8 50 0-2
MOS X 24 00 29 31.8–.00 43.01N 45.50E 19–0 3.2 ¶602952613
NORS X 24 00 29 32.1–.00 43.00N 45.50E 13–0 3.1
TIF X 24 00 29 33.7 42.97N 45.56E 11–4 3.1
DRS X 24 00 29 34.2–.00 42.33N 45.79E 2 3.1
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC X 25 01 36 55.7–1.1 41.92N–.03 45.98E–.02 15–10 39 0-2
ISCJB X 25 01 36 54.9–.48 41.93N–.03 45.97E–.03 1–10 ¶602952617
MOS X 25 01 36 54.2–.00 41.93N 46.02E 10–0 3.1
DRS X 25 01 36 54.8–.00 41.90N 45.84E 16 3.1
TIF X 25 01 36 54.4 41.93N 45.97E 9–2 3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=0.5.
MOS Event type se.
DRS Event type se.
ISC X 25 10 58 47.4–1.4 41.11N–.06 45.46E–.03 11–9 36 0-2
MOS X 25 10 58 46.9–.00 41.20N 45.47E 9–1 3.4 ¶602952618
TIF X 25 10 58 51.3 41.36N 45.34E 17–1 3.4
ISC Event type se.
MOS Event type se.
ISC X 26 12 32 41.7–3.0 41.57N–.10 47.7E–.20 10 11 1-3
MOS X 26 12 32 48.4–.00 42.14N 47.81E 24–0 3.8 ¶607019980
ISC Event type se.
MOS Event type se.
ISC X 28 15 08 38.9–1.2 42.08N–.03 46.03E–.02 22–6 40 1-2
MOS X 28 15 08 36.2–.00 42.06N 46.05E 24–0 3.8 ¶602952626
DRS X 28 15 08 37.9–.00 42.07N 45.95E 14 3.8
TIF X 28 15 08 37.8 42.08N 46.05E 22–2 3.8
ISCJB X 28 15 08 39.4–.40 42.08N–.03 46.06E–.03 18–6 3.8
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISCJB Event type se.
MOS X 31 15 34 03.1–.00 42.93N 47.23E 10–1 3.5
DRS X 31 15 34 04.8–.00 43.02N 47.11E 9 3.5 ¶606583200
MOS Event type se.
DRS Event type se.
ISC XI 02 10 15 34.2–.88 40.71N–.02 48.36E–.02 31–6 81 0-3
MOS XI 02 10 15 31.2–.87 40.66N 48.34E 14 4.1b ¶603750345
AZER XI 02 10 15 31.9–.00 40.72N 48.36E 41 3.0L
DRS XI 02 10 15 32.8–.00 40.28N 48.51E 30 3.0L
ISCJB XI 02 10 15 33.5–.37 40.69N–.02 48.36E–.03 45–5 3.0L
ISC Event type se.
DRS Event type se.
ISCJB Event type se.
ISC XI 02 10 36 21.9–1.4 42.98N–.06 45.43E–.02 7–13 34 0-2
DRS XI 02 10 36 21.5–.00 43.00N 45.29E 16 ¶606583207
MOS XI 02 10 36 21.2–.00 42.91N 45.45E 24–0 3.5
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISC XI 04 04 28 24.3–1.4 42.14N–.05 45.95E–.05 23–16 17 1-2
MOS XI 04 04 28 23.1–.00 42.19N 45.92E 19–0 3.3 ¶606583215
ISC Event type se.
MOS Event type se.
ISC XI 06 12 38 40.2–2.6 40.7N–.10 45.98E–.05 10 12 1-3
NORS XI 06 12 38 40.6–.00 40.82N 46.15E 2–0 3.6 ¶606583221
ISC Event type se.
NORS Event type se.
ISC XI 06 15 15 16.4–.99 43.01N–.04 45.77E–.03 15–8 35 0-2
MOS XI 06 15 15 14.9–.00 42.96N 45.78E 13–0 3.5 ¶606583222
NORS XI 06 15 15 15.8–.00 42.93N 45.74E 5–0 3.5
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISC XI 06 15 19 41.7–.69 40.94N–.03 49.79E–.04 108–6 3.6b 179 0-99

IDC XI 06 15 19 35.4–1.5 41.18N 49.84E 0 3.8,3.7 **¶601991481**
MOS XI 06 15 19 36.6–.82 40.95N 50.12E 11 4.0b,3.7
THR XI 06 15 19 37.7–.36 41.01N 49.88E 15 3.7L,3.7
NORS XI 06 15 19 41.4–.00 40.92N 49.51E 13–0 3.7L,3.7
ISCJB XI 06 15 19 42.3–.31 40.90N–.02 49.66E–.03 112–3 3.6b,3.7
DRS XI 06 15 19 43.5–.00 40.75N 50.35E 30 3.6b,3.7
AZER XI 06 15 19 45.6–.68 41.03N 49.66E 50 3.8L,3.7
NNC XI 06 15 19 46.0–4.2 41.33N 50.89E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=14.0km az=1.0.
MOS Error ellipse: s-maj=8.8km s-min=4.9km az=34.0.
THR Error ellipse: s-maj=13.4km s-min=2.5km az=-1.0.
NORS Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=141.9.
DRS Event type se.
AZER Error ellipse: s-maj=1.9km s-min=1.0km az=34.0.
NNC Event type se. Error ellipse: s-maj=45.1km s-min=12.9km az=71.0.
ISC XI 06 19 27 57.2–1.0 41.50N–.02 46.65E–.02 7–8 122 0-20
DRS XI 06 19 27 49.9–.00 41.42N 46.48E 6 **¶602952650**
NSSP XI 06 19 27 55.4 41.48N 46.63E 15 3.1s
TIF XI 06 19 27 56.9 41.51N 46.66E 7–3 3.1s
MOS XI 06 19 27 56.7–.00 41.52N 46.69E 10–0 4.0
NORS XI 06 19 27 57.8–.00 41.61N 46.83E 5–0 4.0
ISC Event type se.
DRS Event type se.
MOS Event type se.
NORS Event type se.
ISC XI 08 21 11 14.2–1.4 41.99N–.04 47.92E–.04 11–11 23 0-3
DRS XI 08 21 11 13.1–.00 41.97N 47.52E 3 **¶606583230**
MOS XI 08 21 11 13.2–.00 41.94N 47.92E 19–0 3.9
ISCJB XI 08 21 11 14.7–.61 41.98N–.04 47.85E–.05 4–6 3.9
NORS XI 08 21 11 14.5–.00 41.95N 47.90E 8–0 3.6
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=39.1.
NORS Event type se.
ISC XI 09 01 49 48.3–1.0 41.68N–.01 46.34E–.01 3–8 193 0-24
DRS XI 09 01 49 44.9–.00 41.65N 46.33E 10 **¶602952655**
AZER XI 09 01 49 45.8–.50 41.64N 46.32E 8–0 3.2L
MOS XI 09 01 49 46.6–.00 41.69N 46.36E 10–0 4.3
NSSP XI 09 01 49 46.1 41.63N 46.32E 8 3.4s
NORS XI 09 01 49 47.1–.00 41.71N 46.41E 8–0 4.0
TIF XI 09 01 49 47.6 41.83N 46.39E 18–0 4.0
DDA XI 09 01 49 51.5 41.66N 46.04E 6 3.3L
ISC Event type ke.
DRS Event type se.
AZER Error ellipse: s-maj=1.6km s-min=0.6km az=338.0.
MOS Event type se.
NORS Event type se.
DDA Event type ke.
ISC XI 09 02 58 01.4–.97 41.81N–.04 46.41E–.03 12–7 22 0-2
MOS XI 09 02 57 59.8–.00 41.71N 46.40E 34–0 3.2 **¶602952656**
TIF XI 09 02 57 59.5 41.96N 46.41E 16–2 3.2
ISCJB XI 09 02 58 01.3–.67 41.76N–.04 46.40E–.04 13–7 3.2
DRS XI 09 02 58 03.9–.00 41.79N 46.36E 18 3.2
ISC Event type se.
MOS Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.0km az=12.2.
DRS Event type se.
ISC XI 09 21 37 32.6–1.4 41.83N–.04 46.32E–.04 23–15 22 0-2
DRS XI 09 21 37 30.9–.00 41.80N 46.29E 10 **¶606583235**
MOS XI 09 21 37 30.8–.00 41.83N 46.36E 28–0 3.2
ISCJB XI 09 21 37 33.9–.61 41.85N–.03 46.37E–.04 24–6 3.2
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.
MOS XI 10 22 02 33.1–.00 41.69N 48.12E 17–0 3.7
DRS XI 10 22 02 33.1–.00 41.76N 48.01E 4 3.7 **¶606583239**
MOS Event type se.
DRS Event type se.
ISC XI 11 01 47 54.0–1.1 42.94N–.04 45.69E–.02 5–10 46 0-2
MOS XI 11 01 47 51.7–.00 42.95N 45.70E 15–0 3.6 **¶606583240**
NORS XI 11 01 47 52.7–.00 42.91N 45.69E 4–0 3.7
DRS XI 11 01 47 52.5–.00 42.92N 45.58E 14 3.7
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
MOS XI 11 19 11 02.0–.00 42.99N 47.01E 10–0 3.5
DRS XI 11 19 11 00.8–.00 43.07N 47.19E 12 3.5 **¶606583244**
MOS Event type se.
DRS Event type se.
ISC XI 12 06 07 20.9–.59 40.75N–.02 48.45E–.02 15 4.0b 136 0-92
IDC XI 12 06 07 18.4–1.2 41.23N 48.46E 0 3.9b,3.9 **¶601991753**
MOS XI 12 06 07 20.3–.00 40.72N 48.53E 27–0 4.4,3.9
AZER XI 12 06 07 21.6–.00 40.70N 48.38E 41–0 3.5L,3.9
NORS XI 12 06 07 21.6–.00 40.83N 48.57E 18–0 3.9,3.9
ISCJB XI 12 06 07 22.5–.26 40.65N–.02 48.29E–.03 15 3.9b,3.8s
DRS XI 12 06 07 24.2–.00 40.50N 48.42E 26 3.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=13.6km az=162.0.
MOS Event type se.
AZER Error ellipse: s-maj=1.0km s-min=0.6km az=6.0.
NORS Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=161.2.
DRS Event type se.
ISC XI 12 07 41 14.2–.85 40.81N–.02 46.81E–.01 15–6 147 0-30
DRS XI 12 07 41 06.3–.00 40.59N 46.40E 12 **¶601991757**
NORS XI 12 07 41 11.4–.00 40.86N 46.83E 5–0
AZER XI 12 07 41 11.8–.01 40.84N 46.78E 20–0 3.5L
NSSP XI 12 07 41 11.9 40.75N 46.80E 8 3.4s
MOS XI 12 07 41 13.6–.00 40.95N 46.72E 5–0 4.2
DDA XI 12 07 41 42.9 41.70N 44.59E 7 2.3L
ISC Event type ke.
DRS Event type se.
NORS Event type se.
AZER Error ellipse: s-maj=0.8km s-min=0.4km az=351.0.
MOS Event type se.
DDA Event type ke.
ISC XI 13 06 34 32.1–.72 41.75N–.02 48.27E–.03 46–5 3.5b 134 0-38
DRS XI 13 06 34 30.6–.00 41.93N 48.57E 18 3.5b **¶601991847**
NORS XI 13 06 34 31.7–.00 41.85N 47.95E 11–0 4.4
ISCJB XI 13 06 34 31.9–.31 41.74N–.02 48.25E–.03 61–3 3.6b
AZER XI 13 06 34 31.5–2.5 41.70N 48.12E 49 3.3L
MOS XI 13 06 34 32.0–.00 41.88N 47.94E 4–0 4.5
IDC XI 13 06 34 33.5–1.8 42.40N 48.32E 47–34 3.3,3.2
NNC XI 13 06 34 38.8–10.0 42.03N 49.84E 0 3.9b,3.7
ISC Event type se.
DRS Event type se.
NORS Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=154.8.
AZER Error ellipse: s-maj=3.6km s-min=1.5km az=13.0.
MOS Event type se.
IDC Error ellipse: s-maj=19.8km s-min=15.0km az=130.0.
NNC Event type se. Error ellipse: s-maj=102.7km s-min=34.5km az=76.0.
ISC XI 13 17 51 05.4–1.5 43.63N–.05 45.09E–.03 1–11 39 0-3
NORS XI 13 17 51 06.5–.00 43.65N 45.08E 27–0 **¶606583249**
MOS XI 13 17 51 06.6–.00 43.64N 45.07E 25–0 3.5
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC XI 13 18 31 14.7–1.0 43.73N–.04 45.33E–.02 17–8 87 0-24
DRS XI 13 18 31 08.7–.00 44.05N 45.39E 14 **¶605299985**
MOS XI 13 18 31 12.0–.00 43.80N 45.33E 20–0 3.6
NORS XI 13 18 31 12.4–.00 43.65N 45.32E 9–0 3.7
ISCJB XI 13 18 31 14.6–.71 43.80N–.04 45.32E–.03 24–5 3.9b
ISC Event type se.
DRS Event type se.
MOS Event type se.
NORS Event type se.
ISCJB Event type se.
MOS XI 13 18 51 51.1–.00 43.66N 45.28E 19–0 3.5
NORS XI 13 18 51 51.1–.00 43.75N 45.29E 26–0 3.6 **¶606583250**
MOS Event type se.
NORS Event type se.
MOS XI 14 22 07 24.7–.00 43.75N 45.34E 18–0 3.5
NORS XI 14 22 07 24.4–.00 43.76N 45.34E 18–0 3.5 **¶606583254**
DRS XI 14 22 07 28.7–.00 43.60N 45.30E 18 3.5
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC XI 16 00 48 39.9–1.1 41.72N–.01 46.51E–.01 1–8 216 0-24
DRS XI 16 00 48 37.0–.00 41.61N 46.40E 12 **¶601992117**
AZER XI 16 00 48 37.8–.05 41.63N 46.50E 2–0 3.1L
TIF XI 16 00 48 38.8 41.69N 46.53E 3–1 3.1L
MOS XI 16 00 48 39.6–.00 41.77N 46.61E 15–0 4.1
NSSP XI 16 00 48 40.2 41.78N 46.50E 15 3.4s
DDA XI 16 00 48 57.1 41.74N 44.76E 10 2.9L
ISC Event type ke.
DRS Event type se.
AZER Error ellipse: s-maj=3.3km s-min=0.9km az=353.0.
MOS Event type se.
DDA Event type ke.
MOS XI 17 01 01 41.3–.00 43.40N 45.93E 17–0 3.3
DRS XI 17 01 01 38.6–.00 43.39N 45.63E 10 3.3 **¶606583262**
MOS Event type se.
DRS Event type se.
ISC XI 17 02 05 52.4–.87 42.65N–.03 46.35E–.02 13–6 45 0-3
MOS XI 17 02 05 51.2–.00 42.66N 46.35E 16–0 3.4 **¶606583263**
DRS XI 17 02 05 53.0–.00 42.62N 46.33E 11 3.4
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISC XI 18 13 27 25.2–1.1 43.74N–.03 45.32E–.02 12–8 134 0-24
DRS XI 18 13 27 18.1–.00 43.84N 45.10E 12 **¶605299987**
NORS XI 18 13 27 22.8–.00 43.79N 45.39E 17–0 4.0
MOS XI 18 13 27 23.6–.00 43.75N 45.31E 19–0 4.1
ISCJB XI 18 13 27 25.5–.56 43.83N–.03 45.34E–.02 19–4 3.9b
ISC Event type se.
DRS Event type se.
NORS Event type se.
MOS Event type se.
ISCJB Event type se.
ISC XI 20 20 35 34.6–1.7 40.84N–.06 46.96E–.04 6–11 40 1-3
TIF XI 20 20 35 32.4 40.85N 47.37E 37–2 **¶602952673**
NORS XI 20 20 35 33.0–.00 40.83N 47.09E 12–0 3.5
DRS XI 20 20 35 33.0–.00 40.88N 46.80E 12 3.5
DDA XI 20 20 36 07.8 40.99N 44.32E 7 2.7L
ISC Event type se.
NORS Event type se.
DRS Event type se.
DDA Event type ke.
ISC XI 20 22 42 44.3–1.2 42.48N–.02 45.15E–.03 5–10 53 0-3
MOS XI 20 22 42 42.1–.00 42.39N 45.11E 23–0 3.6 **¶602952674**
NORS XI 20 22 42 43.6–.00 42.37N 45.09E 6–0 3.0
TIF XI 20 22 42 43.9 42.50N 45.21E 17–1 3.0
DDA XI 20 22 42 45.1 42.54N 44.98E 10 2.4L
ISC Event type ke.
MOS Event type se.
NORS Event type se.
DDA Event type ke.
ISC XI 21 02 15 32.1–.91 42.86N–.03 46.22E–.02 61–5 138 0-21
MOS XI 21 02 15 28.6–.00 42.87N 46.20E 59–3 3.6 **¶605299988**
DRS XI 21 02 15 28.7–.00 43.27N 45.59E 32 3.6
ISCJB XI 21 02 15 29.8–.42 42.87N–.03 46.22E–.03 71–4 3.6
NORS XI 21 02 15 29.3–.00 42.59N 46.00E 44–0 3.9
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=21.7.
NORS Event type se.
MOS XI 21 20 16 39.4–.00 41.94N 47.20E 20–0 3.2
NORS XI 21 20 16 40.7–.00 41.98N 47.31E 13–0 3.5 **¶606583283**
DRS XI 21 20 16 42.3–.00 41.96N 47.23E 16 3.5
MOS Event type se.
NORS Event type se.
DRS Event type se.
MOS XI 23 07 32 18.5–.00 42.18N 47.72E 24–1 3.5
DRS XI 23 07 32 19.7–.00 42.01N 47.65E 4 3.5 **¶606583289**
MOS Event type se.
DRS Event type se.
ISC XI 26 19 01 59.0–2.8 43.09N–.07 45.2E–.10 14–9 24 0-2
NORS XI 26 19 02 01.3–.00 43.03N 44.92E 11–0 3.0 **¶606583298**
MOS XI 26 19 02 01.5–.00 43.01N 44.91E 10–0 2.9
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC XI 27 04 24 39.2–1.2 41.05N–.03 47.24E–.03 7–10 60 0-3
NSSP XI 27 04 24 39.2 41.08N 47.23E 10 3.0s **¶603036323**
MOS XI 27 04 24 40.7–.00 41.17N 47.27E 10–0 3.9
NORS XI 27 04 24 41.6–.00 41.15N 47.35E 10–0 3.7
DRS XI 27 04 24 42.2–.00 41.00N 47.40E 18 3.7
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC XI 28 14 35 23.8–1.4 41.37N–.05 47.27E–.04 19–3 22 0-2
ISCJB XI 28 14 35 22.9–.97 41.38N–.05 47.23E–.04 11–11 **¶606583301**
DRS XI 28 14 35 23.8–.00 41.38N 47.17E 12
MOS XI 28 14 35 23.3–.00 41.46N 47.29E 16–0 3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=17.4.
DRS Event type se.
MOS Event type se.
ISC XI 29 07 28 16.4–1.0 43.45N–.03 45.97E–.02 19–2 110 0-3
DRS XI 29 07 28 13.5–.00 43.53N 45.84E 13 **¶605299996**
MOS XI 29 07 28 14.4–.00 43.47N 45.98E 10–0 4.2
NORS XI 29 07 28 15.2–.00 43.46N 45.99E 19–0 4.2
ISC Event type se.
DRS Event type se.
MOS Event type se.
NORS Event type se.
MOS XI 29 19 26 43.3–.00 41.60N 48.62E 21–0 3.6
NORS XI 29 19 26 43.7–.00 41.57N 48.56E 18–0 3.5 **¶606583305**
DRS XI 29 19 26 43.3–.00 41.51N 48.88E 19 3.5
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC XI 30 06 28 08.8–.93 42.92N–.02 46.31E–.01 7–7 136 0-23
DRS XI 30 06 28 05.7–.00 42.95N 46.06E 13 **¶605299997**

MOS	XI	30 06 28 06.7–.00	42.87N	46.28E	12–0	4.2			
NORS	XI	30 06 28 08.8–.00	42.79N	46.20E	1–0	4.2			
ISC	Event type se.								
DRS	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
MOS	**XII**	**04 10 45 49.9–.00**	**42.93N**	**46.10E**	**81–2**	**3.5**			
DRS	XII	04 10 45 50.5–.00	43.69N	45.59E	38	3.5			¶606583326
MOS	Event type se.								
DRS	Event type se.								
ISC	**XII**	**05 11 49 16.0–.74**	**41.69N–.01**	**46.28E–.01**	**18–3**	**3.6b**	**207**	**0-75**	
NSSP	XII	05 11 49 13.1	41.67N	46.27E	10	3.7s			¶602051509
NORS	XII	05 11 49 14.5–.00	41.67N	46.31E	9–0	3.7s			
TIF	XII	05 11 49 14.8	41.69N	46.29E	10–1	3.7s			
AZER	XII	05 11 49 14.2–.30	41.63N	46.26E	13–0	3.6L			
MOS	XII	05 11 49 15.0–.00	41.70N	46.33E	10–0	4.5			
IDC	XII	05 11 49 16.2–2.6	41.68N	46.24E	20–18	3.6,3.6			
DRS	XII	05 11 49 18.6–.00	41.70N	46.18E	20	3.6,3.6			
DDA	XII	05 11 49 54.9	41.69N	46.28E	6	3.5L,3.6			
ISC	Event type ke.								
NORS	Event type se.								
AZER	Error ellipse: s-maj=1.1km s-min=0.6km az=345.0.								
MOS	Event type se.								
IDC	Error ellipse: s-maj=11.0km s-min=9.7km az=109.0.								
DRS	Event type se.								
DDA	Event type ke.								
ISC	**XII**	**05 13 13 03.4–.78**	**41.68N–.01**	**46.31E–.01**	**12–5**		**199**	**0-24**	
NSSP	XII	05 13 12 59.2	41.68N	46.28E	10	3.7s			¶602051511
DRS	XII	05 13 13 00.7–.00	41.66N	46.19E	12	3.7s			
NORS	XII	05 13 13 01.5–.00	41.67N	46.32E	8–0	3.7s			
MOS	XII	05 13 13 01.3–.00	41.73N	46.35E	6–0	4.4			
TIF	XII	05 13 13 01.8	41.68N	46.26E	9–1	4.4			
AZER	XII	05 13 13 01.4–.28	41.68N	46.28E	11–0	3.6L			
DDA	XII	05 13 13 25.2	41.30N	44.44E	7	3.4L			
ISC	Event type ke.								
DRS	Event type se.								
NORS	Event type se.								
MOS	Event type se.								
AZER	Error ellipse: s-maj=0.8km s-min=0.6km az=13.0.								
DDA	Event type ke.								
ISC	**XII**	**05 13 42 25.1–.00**	**41.68N–.01**	**46.26E–.01**	**8–8**		**154**	**0-24**	
NSSP	XII	05 13 42 21.7	41.70N	46.27E	10	3.3s			¶602953198
MOS	XII	05 13 42 23.5–.00	41.72N	46.31E	8–0	4.0			
AZER	XII	05 13 42 23.2–.07	41.62N	46.31E	9–0	3.0L			
NORS	XII	05 13 42 24.7–.00	41.70N	46.36E	19–0	3.0L			
DRS	XII	05 13 42 24.4–.00	41.70N	46.22E	14	3.0L			
TIF	XII	05 13 42 24.2	41.67N	46.28E	10–2	3.0L			
DDA	XII	05 13 42 25.7	41.62N	46.09E	1	3.3L			
ISC	Event type ke.								
MOS	Event type se.								
AZER	Error ellipse: s-maj=1.3km s-min=0.4km az=344.0.								
NORS	Event type se.								
DRS	Event type se.								
DDA	Event type ke.								
ISC	**XII**	**05 13 48 15.2–.96**	**41.71N–.02**	**46.25E–.02**	**16–8**		**91**	**0-2**	
NSSP	XII	05 13 48 12.9	41.63N	46.30E	11	3.0s			¶602953199
DRS	XII	05 13 48 13.9–.00	41.71N	46.13E	13	3.0s			
MOS	XII	05 13 48 13.7–.00	41.74N	46.28E	8–0	3.9			
TIF	XII	05 13 48 14.8	41.71N	46.31E	14–1	3.9			
NORS	XII	05 13 48 15.0–.00	41.72N	46.34E	20–0	3.9			
ISC	Event type se.								
DRS	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
ISC	**XII**	**05 13 49 17.6–.90**	**41.71N–.02**	**46.29E–.01**	**14–7**		**135**	**0-3**	
NSSP	XII	05 13 49 14.6	41.63N	46.28E	10	3.2s			¶602953200
AZER	XII	05 13 49 15.6–.05	41.58N	46.31E	4–0	3.1L			
MOS	XII	05 13 49 16.5–.00	41.73N	46.33E	17–0	4.2			
NORS	XII	05 13 49 17.5–.00	41.73N	46.38E	24–0	4.2			
TIF	XII	05 13 49 17.9	41.61N	46.25E	25–2	4.2			
DRS	XII	05 13 49 19.1–.00	41.78N	46.32E	14	4.2			
ISC	Event type se.								
AZER	Error ellipse: s-maj=2.3km s-min=0.6km az=338.0.								
MOS	Event type se.								
NORS	Event type se.								
DRS	Event type se.								
ISC	**XII**	**08 01 22 06.8–.87**	**42.90N–.04**	**46.09E–.03**	**15–6**		**21**	**0-2**	
MOS	XII	08 01 22 05.5–.00	42.88N	46.09E	10–0	3.2			¶606583343
NORS	XII	08 01 22 06.3–.00	42.82N	46.08E	10–0	3.3			
DRS	XII	08 01 22 07.2–.00	42.83N	45.91E	14	3.3			
ISC	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
DRS	Event type se.								
ISC	**XII**	**09 16 18 16.6–1.4**	**42.67N–.07**	**45.77E–.03**	**4–15**		**20**	**0-2**	
NORS	XII	09 16 18 15.4–.00	42.74N	45.79E	21–1	3.2			¶602953202
ISCJB	XII	09 16 18 18.1–.51	42.75N–.04	45.78E–.04	16–11	3.2			
TIF	XII	09 16 18 19.1	42.62N	45.66E	20–3	3.2			
ISC	Event type se.								
NORS	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=15.5.								
ISC	**XII**	**10 17 17 16.1–1.1**	**42.15N–.03**	**45.92E–.02**	**18–7**		**32**	**1-2**	
AZER	XII	10 17 17 15.4–.19	42.12N	46.05E	26–0	3.2L			¶602953205
TIF	XII	10 17 17 16.0	42.15N	45.88E	15–2	3.2L			
DRS	XII	10 17 17 18.6–.00	42.14N	45.93E	18	3.2L			
ISC	Event type se.								
AZER	Error ellipse: s-maj=5.3km s-min=2.7km az=14.0.								
DRS	Event type se.								
ISC	**XII**	**13 02 28 08.8–1.0**	**43.47N–.03**	**45.51E–.02**	**22–11**		**110**	**0-19**	
DRS	XII	13 02 28 03.8–.00	43.53N	45.10E	16				¶602059066
MOS	XII	13 02 28 03.9–.00	43.41N	45.90E	64–3	4.0			
NORS	XII	13 02 28 04.8–.00	43.60N	45.59E	9–0	4.2			
ISCJB	XII	13 02 28 08.6–.49	43.53N–.03	45.50E–.03	15–4	4.2			
ISC	Event type se.								
DRS	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
ISCJB	Event type se.								
ISC	**XII**	**16 00 53 44.2–1.0**	**42.15N–.03**	**45.92E–.02**	**15–9**		**35**	**1-2**	
DRS	XII	16 00 53 42.2–.00	42.13N	45.93E	10				¶606583372
MOS	XII	16 00 53 43.1–.00	42.18N	45.95E	16–0	3.3			
NORS	XII	16 00 53 43.4–.00	42.09N	45.96E	31–0	3.3			
ISC	Event type se.								
DRS	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
ISC	**XII**	**16 18 24 47.6–1.2**	**42.18N–.03**	**45.53E–.02**	**23–14**		**61**	**1-3**	
MOS	XII	16 18 24 43.7–.00	42.33N	48.46E	42–0	3.3			¶602953989
NORS	XII	16 18 24 46.0–.00	42.11N	45.52E	19–0	3.3			
DRS	XII	16 18 24 46.0–.00	42.40N	48.71E	23	3.3			
DDA	XII	16 18 24 48.0	42.43N	45.14E	8	2.8L			
TIF	XII	16 18 24 47.5	42.26N	45.46E	24–1	2.8L			
ISC	Event type ke.								
MOS	Event type se.								
NORS	Event type se.								
DRS	Event type se.								
DDA	Event type ke.								
ISC	**XII**	**18 00 30 54.6–.85**	**43.27N–.03**	**46.27E–.02**	**29–7**		**151**	**0-47**	
NORS	XII	18 00 30 52.7–.00	43.20N	46.23E	9–0				¶602068754
TIF	XII	18 00 30 52.3	43.46N	46.04E	16–4				
MOS	XII	18 00 30 53.3–.00	43.19N	46.21E	11–0	4.1			
DRS	XII	18 00 30 53.9–.00	43.28N	46.10E	16	4.1			
AZER	XII	18 00 30 54.3–2.4	43.05N	45.89E	10	3.3L			
ISCJB	XII	18 00 30 55.1–.47	43.33N–.03	46.31E–.03	18–4	3.3L			
ISC	Event type se.								
NORS	Event type se.								
MOS	Event type se.								
DRS	Event type se.								
ISCJB	Event type se.								
ISC	**XII**	**18 12 22 33.8–1.3**	**41.27N–.05**	**45.40E–.04**	**11–12**		**24**	**1-2**	
DRS	XII	18 12 22 30.1–.00	39.36N	46.33E	40				¶602953993
TIF	XII	18 12 22 33.1	41.24N	45.38E	10–3				
DDA	XII	18 12 22 34.9	41.28N	45.32E	7	3.2L			
ISC	Event type ke.								
DRS	Event type se.								
DDA	Event type ke.								
ISC	**XII**	**18 22 49 08.6–1.3**	**42.04N–.03**	**46.03E–.03**	**4–11**		**34**	**1-2**	
DRS	XII	18 22 49 07.5–.00	42.20N	46.51E	2				¶602953995
NORS	XII	18 22 49 09.8–.00	42.10N	46.04E	47–0				
MOS	XII	18 22 49 09.0–.00	42.07N	45.99E	40–0	3.1			
TIF	XII	18 22 49 10.1	42.01N	45.98E	9–1	3.1			
ISC	Event type se.								
DRS	Event type se.								
NORS	Event type se.								
MOS	Event type se.								
ISC	**XII**	**19 02 07 59.3–1.1**	**41.25N–.01**	**45.43E–.01**	**4–9**		**169**	**0-22**	
MOS	XII	19 02 07 57.8–.00	41.29N	45.55E	7–0	3.8			¶602953997
NORS	XII	19 02 07 58.4–.00	41.16N	45.55E	4–0	3.9			
NSSP	XII	19 02 07 58.5	41.25N	45.33E	10	3.0s			
AZER	XII	19 02 07 58.0–.49	41.24N	45.59E	10–0	3.1L			
TIF	XII	19 02 07 58.0	41.27N	45.45E	14–1	3.1L			
DDA	XII	19 02 07 59.7	41.24N	45.26E	1	3.0L			
DRS	XII	19 02 08 00.3–.00	41.35N	45.47E	15	3.0L			
ISC	Event type ke.								
MOS	Event type se.								
NORS	Event type se.								
AZER	Error ellipse: s-maj=0.8km s-min=0.3km az=353.0.								
DDA	Event type ke.								
DRS	Event type se.								
ISC	**XII**	**19 05 21 26.7–1.4**	**41.26N–.04**	**45.40E–.04**	**8–12**		**30**	**1-2**	
NORS	XII	19 05 21 25.5–.00	41.17N	45.47E	4–0	3.5			¶602953998
TIF	XII	19 05 21 26.4	41.23N	45.35E	16–0	3.5			
DDA	XII	19 05 21 34.2	41.59N	44.40E	7	2.6L			
ISC	Event type ke.								
NORS	Event type se.								
DDA	Event type ke.								
ISC	**XII**	**19 11 38 48.0–.94**	**41.63N–.03**	**46.32E–.02**	**19–2**		**76**	**0-2**	
DRS	XII	19 11 38 42.9–.00	41.57N	46.28E	8				¶602954000
NORS	XII	19 11 38 45.7–.00	41.60N	46.41E	16–0	3.8			
TIF	XII	19 11 38 46.3	41.63N	46.38E	14–2	3.8			
MOS	XII	19 11 38 48.6–1.4	41.67N	46.35E	15	3.9b			
ISC	Event type se.								
DRS	Event type se.								
NORS	Event type se.								
MOS	Error ellipse: s-maj=10.0km s-min=6.8km az=90.1.								
DRS	**XII**	**20 15 06 05.5–.00**	**42.27N**	**47.80E**	**12**				
NORS	XII	20 15 06 04.6–.00	42.20N	47.76E	10–0	3.6			¶606583390
DRS	Event type se.								
NORS	Event type se.								
MOS	**XII**	**20 20 31 11.5–.00**	**42.94N**	**46.98E**	**5–0**	**3.5**			
NORS	XII	20 20 31 10.8–.00	42.90N	46.98E	3–0	3.5			¶606583392
DRS	XII	20 20 31 10.8–.00	43.01N	47.06E	8	3.5			
MOS	Event type se.								
NORS	Event type se.								
DRS	Event type se.								
ISC	**XII**	**21 12 46 07.6–.73**	**42.76N–.02**	**46.81E–.02**	**8–4**		**108**	**0-61**	
MOS	XII	21 12 46 05.8–.00	42.77N	46.79E	5–0	4.0			¶605300046
NORS	XII	21 12 46 06.4–.00	42.78N	46.86E	9–0	4.0			
DRS	XII	21 12 46 06.3–.00	42.76N	46.74E	7	4.0			
IASPE	XII	21 12 46 07.6–.92	42.75N–.02	46.78E–.02	4–7	4.0			
ISC	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
DRS	Event type se.								
IASPE	Event type se. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.								
ISC	**XII**	**23 09 03 42.0–2.4**	**40.6N–.10**	**47.24E–.05**	**12–11**		**27**	**1-3**	
DRS	XII	23 09 03 42.0–.00	40.67N	47.19E	12				¶605300047
MOS	XII	23 09 03 42.1–1.8	40.49N	47.41E	16	4.0b			
NORS	XII	23 09 03 43.1–.00	40.69N	47.29E	11	4.0b			
ISC	Event type se.								
DRS	Event type se.								
MOS	Error ellipse: s-maj=36.5km s-min=12.1km az=86.3.								
NORS	Event type se.								
ISC	**XII**	**25 03 59 20.4–1.2**	**41.91N–.04**	**45.66E–.02**	**7–10**		**44**	**1-2**	
DRS	XII	25 03 59 20.7–.00	41.92N	45.50E	15				¶602954028
MOS	XII	25 03 59 21.2–.00	41.97N	45.68E	30–0	3.5			
TIF	XII	25 03 59 21.5	41.93N	45.75E	37–3	3.5			
NORS	XII	25 03 59 22.0–.00	41.91N	45.67E	18–0	3.5			
ISCJB	XII	25 03 59 23.4–.51	41.92N–.03	45.69E–.03	18–5	3.5			
ISC	Event type se.								
DRS	Event type se.								
MOS	Event type se.								
NORS	Event type se.								
ISCJB	Event type se.								
MOS	**XII**	**28 01 45 23.8–.00**	**42.96N**	**47.77E**	**14–0**	**3.5**			
DRS	XII	28 01 45 24.2–.00	43.04N	47.94E	16	3.5			¶606583467
MOS	Event type se.								
DRS	Event type se.								
ISC	**XII**	**28 21 10 51.2–1.2**	**42.15N–.04**	**45.97E–.02**	**4–11**		**36**	**1-2**	
DRS	XII	28 21 10 50.1–.00	42.09N	45.86E	12				¶606583471
NORS	XII	28 21 10 52.1–.00	42.15N	46.02E	10–0				
MOS	XII	28 21 10 52.0–.00	42.19N	46.05E	27–0	3.4			
ISC	Event type se.								
DRS	Event type se.								
NORS	Event type se.								
MOS	Event type se.								
ISC	**XII**	**29 09 15 53.6–.77**	**41.53N–.01**	**46.66E–.01**	**16–5**	**3.5b**	**192**	**0-75**	
DRS	XII	29 09 15 51.7–.00	41.48N	46.66E	12	3.5b			¶602312589
NSSP	XII	29 09 15 51.8	41.52N	46.58E	10	3.7s			
IDC	XII	29 09 15 51.3–2.0	41.58N	46.44E	0	4.0L,3.6			
AZER	XII	29 09 15 52.3–.02	41.56N	46.61E	12	3.6L,3.6			
MOS	XII	29 09 15 52.8–.00	41.57N	46.81E	12–0	4.7,3.6			
TIF	XII	29 09 15 52.4	41.51N	46.73E	6–1	4.7,3.6			
DDA	XII	29 09 16 25.3	41.16N	44.10E	8	2.6L,3.6			
ISC	Event type ke.								
DRS	Event type se.								
IDC	Error ellipse: s-maj=29.6km s-min=12.1km az=6.0.								
AZER	Error ellipse: s-maj=0.7km s-min=0.4km az=341.0.								
MOS	Event type se.								
DDA	Event type ke.								

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ISC	**VIII**	**01 06 08 49.4–1.4**	**38.95N–.04**	**50.21E–.05**	**31–10**	**3.7b**	**92**	**1-76**	
IDC	VIII	01 06 08 45.0–2.1	38.89N	50.05E	0	4.2L,3.9			¶601561628
MOS	VIII	01 06 08 49.2–1.9	39.16N	50.20E	25	4.2b,3.9			
AZER	VIII	01 06 08 51.1–.03	38.94N	49.98E	42–0	3.6L,3.9			
NNC	VIII	01 06 08 54.9–3.0	39.26N	52.11E	0	4.1b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=39.5km s-min=16.3km az=178.0.								
MOS	Error ellipse: s-maj=12.6km s-min=6.6km az=120.4.								

AZER Error ellipse: s-maj=2.5km s-min=1.0km az=322.0.
NNC Event type se. Error ellipse: s-maj=30.7km s-min=11.4km az=57.0.
ISC VIII 02 20 33 56.5–1.5 41.69N–.06 49.25E–.06 28–13 55 1-24
DRS VIII 02 20 33 54.8–.00 41.70N 49.55E 21 **¶601563900**
ISCJB VIII 02 20 33 56.6–.94 41.68N–.06 49.20E–.05 28–7
MOS VIII 02 20 33 56.3–.87 41.60N 49.13E 21 4.1b
MOS VIII 02 20 34 04.8–.00 41.85N 48.21E 14–2 3.7
ISC Event type ke.
DRS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.1km az=16.0.
MOS Error ellipse: s-maj=12.4km s-min=6.6km az=25.1.
MOS Event type se.
ISC VIII 06 10 37 35.6–3.1 41.70N–.08 49.2E–.20 52–19 41 1-16
MOS VIII 06 10 37 24.5–.00 41.58N 49.89E 10–4 4.4 **¶605299912**
MOS VIII 06 10 37 37.6–2.1 41.69N 48.99E 29 4.1b
DRS VIII 06 10 37 39.6–.00 41.87N 49.20E 22 4.1b
ISC Event type ke.
MOS Event type se.
MOS Error ellipse: s-maj=22.9km s-min=8.5km az=33.6.
DRS Event type se.
IDC VIII 20 14 48 27.8–424 45.64N 48.23E 0
¶601766198
IDC Error ellipse: s-maj=206.2km s-min=156.5km az=10.0.
ISC VIII 30 20 15 32.9–.39 38.94N–.02 49.16E–.03 22–3 4.3b 231 0-76
AZER VIII 30 20 15 30.4–.03 38.99N 49.05E 4 4.2L **¶601664241**
IDC VIII 30 20 15 30.1–.70 39.08N 49.17E 0 4.2,4.2
ISCJB VIII 30 20 15 32.7–.48 38.95N–.02 49.27E–.03 28–4 4.2b,4.1s
NEIC VIII 30 20 15 32.0–.54 39.12N 49.12E 10 4.4b,4.1s
THR VIII 30 20 15 33.9–.43 38.78N 49.03E 20–6 3.8L,4.1s
MOS VIII 30 20 15 34.4–1.4 39.15N 49.26E 33 4.6b,4.1s
NNC VIII 30 20 15 39.9–5.8 39.64N 50.12E 0 4.4b,4.1s
ISC Event type se.
AZER Error ellipse: s-maj=0.3km s-min=0.1km az=271.0.
IDC Error ellipse: s-maj=15.5km s-min=9.0km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=26.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.9km az=192.0.
THR Error ellipse: s-maj=6.5km s-min=5.6km az=-1.0.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=118.7.
NNC Event type se. Error ellipse: s-maj=70.5km s-min=30.8km az=54.0.
ISC X 04 06 29 21.9–1.4 40.71N–.04 50.07E–.05 4–9 60 0-8
TEH X 04 06 29 21.4 40.79N 50.16E 18 3.5L **¶604084623**
AZER X 04 06 29 21.2–.48 40.67N 50.02E 6 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=1.6km s-min=0.4km az=237.0.
MOS X 26 12 33 46.3–.00 42.22N 48.09E 40–10
DRS X 26 12 33 50.0–.00 42.24N 48.05E 18 **¶606583191**
MOS Event type se.
DRS Event type se.
ISC X 27 10 59 46.7–.89 37.00N–.04 49.44E–.04 10 35 1-5
AZER X 27 10 59 39.3–99 37.47N 50.87E 14–191 3.4L **¶604770425**
TEH X 27 10 59 45.7 37.00N 49.43E 5 3.5L
ISCJB X 27 10 59 48.3–.36 36.92N–.04 49.42E–.06 10 3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 01 07 00 15.6–1.0 42.26N–.02 48.37E–.04 36–1 3.6b 164 0-50
IDC XI 01 07 00 14.5–3.6 42.08N 48.25E 29–33 3.7,3.6 **¶602388667**
MOS XI 01 07 00 15.5–.00 42.14N 48.11E 32–0 4.8,3.6
AZER XI 01 07 00 15.7–2.5 42.09N 48.19E 33–0 3.4L,3.6
DRS XI 01 07 00 15.8–.00 42.22N 48.44E 20 3.4L,3.6
NORS XI 01 07 00 15.8–.00 42.12N 47.99E 12–0 4.7,3.6
ISCJB XI 01 07 00 16.1–.37 42.23N–.02 48.30E–.03 45–5 3.6b,3.6
ISC Event type se.
MOS Event type se.
DRS Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XI 04 18 24 32.2–.74 40.45N–.04 50.56E–.05 66–7 3.7b 77 0-98
IDC XI 04 18 24 24.2–1.5 40.25N 50.20E 0 3.9b,3.9 **¶601909762**
ISCJB XI 04 18 24 31.4–.36 40.39N–.03 50.54E–.03 74–4 3.7b,3.9
AZER XI 04 18 24 33.1–1.7 40.38N 50.38E 62–0 3.2L,3.9
NNC XI 04 18 24 34.9–5.2 40.64N 51.14E 23–66 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=12.4km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.1km az=17.0.
AZER Error ellipse: s-maj=2.7km s-min=1.5km az=260.0.
NNC Event type se. Error ellipse: s-maj=73.9km s-min=13.7km az=70.0.
MOS XI 04 21 47 42.7–.00 41.87N 49.25E 15–0 3.5
¶606583217
MOS Event type se.
ISC XI 09 21 26 04.7–.95 41.2N–.20 50.34E–.10 35 10 3-67
IDC XI 09 21 25 59.3–1.6 40.93N 50.17E 0 3.7b,3.5 **¶602389110**
ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=17.1km az=15.0.
ISC XI 10 23 39 36.9–.83 40.46N–.08 50.82E–.06 35 3.4b 20 5-51
NNC XI 10 23 39 31.8–7.5 40.00N 52.02E 0 3.7b,3.1 **¶601991673**
IDC XI 10 23 39 32.1–1.3 40.30N 50.65E 0 3.6,3.6b
ISCJB XI 10 23 39 34.6–.66 40.53N–.06 50.97E–.06 35 3.5b,3.6b
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
MOS XI 11 18 38 06.3–.00 41.22N 49.22E 10–0 4.1
DRS XI 11 18 38 11.8–.00 41.28N 49.47E 26 4.1 **¶606583243**
MOS Event type se.
DRS Event type se.
ISC XI 17 20 31 08.3–1.2 41.65N–.02 50.05E–.04 16–8 3.8b 152 1-31
IDC XI 17 20 31 09.0–1.6 41.53N 49.99E 45–19 3.7,3.6 **¶601992571**
NORS XI 17 20 31 10.9–.00 41.64N 49.81E 16–0 4.7,3.6
MOS XI 17 20 31 10.0–.00 41.70N 49.87E 10–0 4.9,3.6
AZER XI 17 20 31 11.2–.46 41.56N 49.77E 60 3.4L,3.6
DRS XI 17 20 31 12.7–.00 41.85N 50.02E 20 3.4L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=10.8km az=16.0.
NORS Event type se.
MOS Event type se.
AZER Error ellipse: s-maj=1.5km s-min=0.8km az=25.0.
DRS Event type se.
ISC XI 22 21 10 23.9–1.6 40.75N–.05 51.90E–.04 4–11 52 2-23
IDC XI 22 21 10 24.5–2.2 40.73N 51.80E 0 3.2,3.1 **¶601993796**
AZER XI 22 21 10 31.6–.51 40.49N 51.85E 53 3.4L,3.1
NNC XI 22 21 10 32.9–2.4 40.74N 53.90E 0 3.6b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=57.7km s-min=16.1km az=17.0.
AZER Error ellipse: s-maj=1.6km s-min=1.0km az=235.0.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=7.8km az=75.0.
ISC XI 26 21 13 43.5–.96 38.97N–.02 49.18E–.03 25–7 4.2b 252 0-78
IDC XI 26 21 13 39.7–.72 38.97N 49.17E 0 4.1,4.0 **¶601994653**
MOS XI 26 21 13 40.7–1.3 38.89N 49.31E 18 4.3b,4.0
AZER XI 26 21 13 41.9–.00 38.99N 49.03E 9–0 4.0L,4.0
NEIC XI 26 21 13 42.0–.48 38.99N 49.33E 10 4.1b,4.0
THR XI 26 21 13 43.0–.37 38.86N 49.11E 27–5 3.8L,4.0
ISCJB XI 26 21 13 43.0–.33 38.84N–.02 49.25E–.02 40–3 4.1b,3.2s
NNC XI 26 21 13 47.9–2.7 39.49N 49.91E 0 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=9.2km az=15.0.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=123.8.
AZER Error ellipse: s-maj=1.4km s-min=0.6km az=285.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.8km az=6.0.
THR Error ellipse: s-maj=5.0km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.9km az=16.7.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=16.5km az=52.0.
MOS XI 30 04 33 06.1–.00 42.63N 48.28E 23–0 3.4
DRS XI 30 04 33 05.5–.00 42.73N 48.36E 12 3.4 **¶606583306**
NORS XI 30 04 33 08.0–.00 42.50N 48.18E 40–0 3.6
MOS Event type se.
DRS Event type se.
NORS Event type se.
ISC XII 08 21 31 54.0–2.9 37.57N–.04 49.53E–.04 24–25 3.6b 111 1-34
THR XII 08 21 31 50.5–.32 37.55N 49.56E 18–2 3.6L **¶602090166**
TEH XII 08 21 31 50.3 37.56N 49.57E 10 3.6L
ISCJB XII 08 21 31 51.9–.72 37.60N–.02 49.60E–.04 18–7 3.5b
AZER XII 08 21 31 53.4–.13 37.82N 49.48E 14–0 3.4L
IDC XII 08 21 31 53.5–2.3 37.87N 49.70E 0 3.7,3.6
ISC Event type ke.
THR Error ellipse: s-maj=3.9km s-min=6.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.3km az=149.8.
AZER Error ellipse: s-maj=8.0km s-min=5.9km az=243.0.
IDC Error ellipse: s-maj=36.9km s-min=22.6km az=21.0.
MOS XII 13 15 45 39.2–.00 42.44N 48.14E 10–0 3.5
DRS XII 13 15 45 40.3–.00 42.52N 48.26E 16 3.5 **¶606583361**
MOS Event type se.
DRS Event type se.
ISC XII 20 15 30 34.3–1.8 42.14N–.05 48.3E–.10 29–10 26 0-3
NORS XII 20 15 30 30.6–.00 42.09N 48.65E 38–0 **¶606583391**
DRS XII 20 15 30 30.1–.00 42.32N 48.55E 14
MOS XII 20 15 30 31.6–.00 42.16N 48.39E 33–0 3.7
ISCJB XII 20 15 30 32.9–1.6 42.07N–.06 48.5E–.10 37–11 3.7
ISC Event type se.
NORS Event type se.
DRS Event type se.
MOS Event type se.
ISCJB Event type se.
ISC XII 21 04 25 13.1–1.6 40.39N–.05 51.51E–.06 32–14 57 1-11
AZER XII 21 04 25 14.8–.10 40.31N 51.32E 52 3.1L **¶602092395**
TEH XII 21 04 25 14.2 40.31N 51.39E 60 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=2.7km s-min=1.7km az=29.0.

(339) Northwestern Uzbekistan.

ISC IX 15 05 52 10.9–.41 40.50N–.05 63.32E–.04 13 4.2b,3.4s 109 5-132
NNC IX 15 05 52 08.3–1.2 40.63N 63.10E 0 4.5b,4.1 **¶601717584**
BJI IX 15 05 52 08.8 40.16N 63.38E 17 4.8b,4.6b
ISCJB IX 15 05 52 09.4–.31 40.51N–.05 63.32E–.04 13 4.2b,3.7s
IDC IX 15 05 52 09.4–.77 40.43N 63.15E 0 4.0,3.9
NEIC IX 15 05 52 10.4–.36 40.41N 63.38E 10 4.7b,3.9
MOS IX 15 05 52 12.2–1.8 40.45N 63.37E 34 4.4b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.6km s-min=8.8km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=163.0.
IDC Error ellipse: s-maj=14.4km s-min=9.2km az=152.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=158.0.
MOS Error ellipse: s-maj=9.5km s-min=6.8km az=61.6.
ISC X 01 13 45 32.7–.56 40.47N–.06 63.60E–.05 13 3.9b 75 5-91
NNC X 01 13 45 30.0–.97 40.43N 63.54E 0 4.3b,4.0 **¶601777944**
ISCJB X 01 13 45 30.1–.38 40.38N–.04 63.64E–.04 13 3.9b,4.0
IDC X 01 13 45 30.6–.78 40.25N 63.57E 0 4.0,3.8
MOS X 01 13 45 35.5–2.0 40.61N 63.93E 30 4.0b,3.8
NEIC X 01 13 45 35.3–.94 40.24N 63.89E 35 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=7.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.0km az=151.6.
IDC Error ellipse: s-maj=15.4km s-min=11.7km az=172.0.
MOS Error ellipse: s-maj=9.8km s-min=7.6km az=68.5.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.3km az=161.0.
ISC XI 01 01 53 02.4–.75 42.35N–.07 64.45E–.06 35 3.4b 23 4-70
IDC XI 01 01 52 56.6–1.2 42.08N 64.74E 0 3.8,3.7 **¶601901446**
NNC XI 01 01 52 58.4–1.5 42.40N 64.48E 8–8 4.3b,3.9
ISCJB XI 01 01 52 59.5–.54 42.40N–.04 64.43E–.05 33 3.4b,2.5s
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XI 13 16 22 15.8–.83 40.27N–.09 63.62E–.06 10 3.8b 41 5-38
NEIC XI 13 16 22 15.0–.87 39.86N 63.85E 10 4.2b **¶601991890**
IDC XI 13 16 22 14.9–2.7 40.05N 63.74E 0 3.8,3.8
NNC XI 13 16 22 15.1–.80 40.50N 63.24E 10–5 4.0b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=6.3km az=162.0.
IDC Error ellipse: s-maj=48.6km s-min=17.6km az=143.0.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=2.6km az=148.0.
ISC XI 16 19 43 38.1–.86 40.33N–.08 63.38E–.06 13 16 5-20
ISCJB XI 16 19 43 35.1–.69 40.37N–.05 63.42E–.06 13 **¶601992294**
NNC XI 16 19 43 35.2–1.3 40.33N 63.39E 0 3.8b,3.4
IDC XI 16 19 43 38.1–2.4 40.23N 63.25E 0 3.3,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.9km az=141.8.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=8.6km az=144.0.
IDC Error ellipse: s-maj=128.1km s-min=23.1km az=148.0.
ISC XII 05 06 08 29.5–.89 42.17N–.08 64.65E–.06 10 20 4-18
ISCJB XII 05 06 08 26.8–.64 42.23N–.05 64.53E–.06 10 **¶602051484**
IDC XII 05 06 08 29.2–1.6 41.93N 64.58E 0 3.6,3.6
NNC XII 05 06 08 38.7–3.0 42.54N 64.95E 72–181 3.4b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.0km az=165.7.
IDC Error ellipse: s-maj=20.4km s-min=14.1km az=176.0.
NNC Event type se. Error ellipse: s-maj=37.6km s-min=14.2km az=10.0.

(340) Turkmenistan.

ISC VII 18 13 35 35.3–.54 40.00N–.05 53.64E–.03 45 4.0b 208 3-67
IDC VII 18 13 35 31.0–1.0 39.96N 53.31E 0 4.0,3.9 **¶601405507**
MOS VII 18 13 35 34.3–2.0 40.09N 53.51E 38 4.2b,3.9
ISCJB VII 18 13 35 34.4–.25 40.06N–.04 53.59E–.02 45 4.1b,3.9
AZER VII 18 13 35 35.8–.99 39.71N 53.34E 35–4 4.4L,3.9
CSEM VII 18 13 35 35.6–.22 40.08N 53.61E 30 4.3b,3.9
NEIC VII 18 13 35 36.0–.81 40.19N 53.50E 35 4.1b,3.9
NNC VII 18 13 35 39.4–3.8 40.50N 54.64E 0 4.3,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=9.5km az=180.0.
MOS Error ellipse: s-maj=8.4km s-min=6.5km az=35.8.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.2km az=8.2.
AZER Error ellipse: s-maj=40.7km s-min=4.8km az=275.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.1km az=1.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.3km az=14.0.
NNC Event type se. Error ellipse: s-maj=40.7km s-min=14.3km az=73.0.
ISC VII 21 03 37 24.0–.68 39.93N–.05 53.77E–.05 32 3.6b 94 3-59
THR VII 21 03 37 20.4–.63 40.13N 53.75E 15 5.3 **¶601664901**
ISCJB VII 21 03 37 22.6–.41 39.82N–.05 53.71E–.03 32 3.6b
CSEM VII 21 03 37 22.0–.70 39.81N 53.77E 10 4.0L
IDC VII 21 03 37 25.8–1.4 39.87N 53.78E 45–17 3.7,3.7
AZER VII 21 03 37 27.3–1.3 39.69N 53.37E 15 4.0L,3.7
ISC Event type ke.
THR Error ellipse: s-maj=13.5km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=177.7.
CSEM Event type ke. Error ellipse: s-maj=18.7km s-min=8.7km az=150.0.
IDC Error ellipse: s-maj=16.2km s-min=10.3km az=17.0.
AZER Error ellipse: s-maj=12.7km s-min=11.0km az=144.0.
ISC IX 22 12 27 16.4–.57 38.23N–.05 58.22E–.04 10 3.6b 42 0-56
ISCJB IX 22 12 27 14.8–.33 38.35N–.03 58.18E–.05 10 3.7b,3.4s **¶601792362**
IDC IX 22 12 27 15.5–.73 38.23N 58.10E 0 3.8,3.7
TEH IX 22 12 27 17.4 38.15N 58.18E 12 3.7L,3.7
NNC IX 22 12 27 25.4–1.5 39.07N 58.79E 0 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=17.7.
IDC Error ellipse: s-maj=16.8km s-min=5.9km az=83.0.

NNC Event type se. Error ellipse: s-maj=13.0km s-min=6.8km az=29.0.
ISC IX 23 13 53 55.4–.37 40.02N–.04 53.80E–.03 32 4.3b 349 3-96
ISCJB IX 23 13 53 54.8–.15 40.04N–.02 53.73E–.02 32 4.2b ¶601737060
TEH IX 23 13 53 54.6 39.86N 53.66E 10 4.7L
MOS IX 23 13 53 55.6–1.1 40.12N 53.76E 37 4.6b
NEIC IX 23 13 53 56.9–.46 39.97N 53.72E 42–6 4.4b
IDC IX 23 13 53 56.7–1.6 39.83N 53.55E 38–14 4.3L,4.0
AZER IX 23 13 54 00.9–.93 39.69N 53.24E 20 4.8L,4.0
NNC IX 23 13 54 01.1–2.7 40.34N 54.68E 0 5.4,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.6km az=18.9.
MOS Error ellipse: s-maj=6.0km s-min=3.8km az=29.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.3km az=185.0.
IDC Error ellipse: s-maj=13.8km s-min=8.3km az=177.0.
AZER Error ellipse: s-maj=7.3km s-min=6.4km az=133.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=10.0km az=72.0.
ISC X 25 03 20 29.8–1.3 39.77N–.08 53.51E–.07 10 40 4-28
ISCJB X 25 03 20 28.0–.58 39.81N–.06 53.57E–.04 10 2.6s ¶601880168
IDC X 25 03 20 29.3–1.4 39.90N 53.47E 0 3.5,3.4
AZER X 25 03 20 33.1–2.3 39.65N 53.32E 15 3.7L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.6km az=4.6.
IDC Error ellipse: s-maj=22.2km s-min=12.7km az=7.0.
AZER Error ellipse: s-maj=21.6km s-min=12.1km az=47.0.
ISC XI 06 17 13 28.9–.96 39.25N–.08 55.68E–.05 35 55 2-87
IDC XI 06 17 13 21.4–1.9 38.64N 55.40E 0 3.9,3.8 ¶601991486
ISCJB XI 06 17 13 27.6–.51 39.36N–.06 55.65E–.04 33 3.7b,3.3s
AZER XI 06 17 13 30.5–1.2 38.94N 55.17E 2 4.2L,3.3s
NNC XI 06 17 13 40.3–5.1 39.96N 57.05E 0 3.9b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=13.0km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=2.6.
AZER Error ellipse: s-maj=20.9km s-min=10.0km az=19.0.
NNC Event type se. Error ellipse: s-maj=47.2km s-min=22.9km az=37.0.
ISC XI 28 07 04 01.3–2.2 40.68N–.05 52.25E–.05 17–14 54 2-26
IDC XI 28 07 03 58.6–1.7 40.56N 51.99E 0 3.6,3.5 ¶602036345
AZER XI 28 07 04 02.7–.18 40.59N 52.27E 45–3 3.8L,3.5
NNC XI 28 07 04 12.2–6.7 41.22N 53.57E 0 3.7b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=13.3km az=0.0.
AZER Error ellipse: s-maj=5.2km s-min=4.2km az=320.0.
NNC Event type se. Error ellipse: s-maj=85.4km s-min=17.8km az=74.0.
ISC XII 06 18 29 10.3–.42 39.85N–.04 54.20E–.03 32 4.0b 259 4-78
TEH XII 06 18 29 05.3 40.01N 54.09E 10 4.4L ¶602052162
IDC XII 06 18 29 06.4–.86 39.68N 54.01E 0 4.1,4.0
NEIC XII 06 18 29 07.1–2.6 39.80N 54.09E 2–18 4.2b,4.0
MOS XII 06 18 29 08.7–1.5 39.88N 54.16E 30 4.2b,4.0
ISCJB XII 06 18 29 09.4–.16 39.84N–.02 54.17E–.02 32 4.0b,3.6s
NNC XII 06 18 29 12.0–3.0 40.15N 54.83E 0 4.6b,4.4
AZER XII 06 18 29 11.4–.81 39.26N 53.95E 20 4.4L,4.4
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=8.7km az=172.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.2km az=176.0.
MOS Error ellipse: s-maj=5.9km s-min=5.0km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.8km az=13.3.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=10.1km az=72.0.
AZER Error ellipse: s-maj=8.3km s-min=6.6km az=29.0.
ISC XII 07 01 02 01.0–.71 39.30N–.06 54.82E–.04 10 59 3-53
TEH XII 07 01 01 59.3 39.34N 54.83E 10 3.4L ¶602390567
ISCJB XII 07 01 02 00.4–.35 39.30N–.04 54.83E–.04 10 3.2s,2.9b
IDC XII 07 01 02 00.5–1.1 39.42N 54.92E 0 3.4,3.3
AZER XII 07 01 02 08.8–.79 39.00N 54.21E 5 3.5L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=31.3.
IDC Error ellipse: s-maj=15.4km s-min=11.0km az=2.0.
AZER Error ellipse: s-maj=9.0km s-min=5.4km az=40.0.

(341) Iran-Turkmenistan border region.

NNC VIII 11 03 16 19.3–13 38.61N 56.76E 26–268 4.0b,3.7 ¶601625718
NNC Event type se. Error ellipse: s-maj=313.0km s-min=21.3km az=64.0.
ISC VIII 25 06 32 20.8–1.1 37.16N–.04 57.84E–.04 14–8 3.8b 41 0-40
THR VIII 25 06 32 17.9–.35 37.02N 57.87E 6–8 3.5L ¶601695552
IDC VIII 25 06 32 18.4–1.3 37.03N 57.61E 0 3.9,3.7
TEH VIII 25 06 32 20.4 37.09N 57.79E 10 3.5L,3.7
ISCJB VIII 25 06 32 21.3–.63 37.17N–.04 57.85E–.04 22–6 3.7b,3.7
NNC VIII 25 06 32 26.5–3.8 37.72N 57.47E 0 4.0b,3.7
ISC Event type se.
THR Error ellipse: s-maj=4.1km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=18.4km s-min=13.9km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.9km az=143.3.
NNC Event type se. Error ellipse: s-maj=72.2km s-min=27.1km az=80.0.
ISC VIII 25 20 57 58.6–.71 37.13N–.05 57.83E–.04 10 3.5b 34 0-37
TEH VIII 25 20 57 57.9 37.08N 57.80E 10 3.6L ¶601695582
ISCJB VIII 25 20 57 58.4–.36 37.12N–.04 57.81E–.04 10 3.5b,2.8s
IDC VIII 25 20 58 00.1–2.0 37.27N 57.49E 0 3.7,3.6
NNC VIII 25 20 58 08.4–4.5 38.00N 57.55E 0 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=21.9.
IDC Error ellipse: s-maj=31.1km s-min=13.3km az=144.0.
NNC Event type se. Error ellipse: s-maj=87.6km s-min=32.9km az=81.0.
ISC IX 03 21 26 44.1–.91 37.38N–.05 54.34E–.04 10 28 1-7
ISCJB IX 03 21 26 43.5–.44 37.52N–.04 54.33E–.04 10 ¶604846990
TEH IX 03 21 26 44.5 37.38N 54.40E 17 3.0L
AZER IX 03 21 26 50.0–4.0 37.35N 53.91E 15 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=27.0.
AZER Error ellipse: s-maj=43.6km s-min=26.3km az=21.0.
ISC IX 04 00 18 56.6–.87 37.41N–.05 54.31E–.04 10 51 1-7
ISCJB IX 04 00 18 56.8–.39 37.49N–.03 54.26E–.04 10 ¶604846991
TEH IX 04 00 18 57.0 37.34N 54.39E 10 3.4L
AZER IX 04 00 19 07.0–.91 37.46N 53.66E 20 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=136.9.
AZER Error ellipse: s-maj=10.7km s-min=7.0km az=28.0.
ISC IX 08 03 17 36.6–.36 38.62N–.04 55.65E–.03 10 4.2b,3.4s 230 1-79
TEH IX 08 03 17 34.3 38.66N 55.64E 10 4.2L,3.4s ¶601695802
ISCJB IX 08 03 17 35.3–.16 38.61N–.02 55.62E–.02 10 4.2b,3.4s
IDC IX 08 03 17 36.3–.55 38.65N 55.61E 0 4.2,4.1
NEIC IX 08 03 17 36.8–.32 38.58N 55.71E 10 4.2b,4.1
THR IX 08 03 17 37.3–.49 38.48N 55.66E 14–6 4.1L,4.1
MOS IX 08 03 17 40.7–2.1 38.90N 55.83E 33 4.4b,4.1
NNC IX 08 03 17 41.8–3.2 38.89N 55.84E 32–27 5.1,5.0b
AZER IX 08 03 17 44.0–.87 38.29N 54.80E 10 4.5L,2.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.2km az=36.2.
IDC Error ellipse: s-maj=14.0km s-min=8.2km az=159.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=182.0.
THR Error ellipse: s-maj=7.5km s-min=4.4km az=-1.0.
MOS Error ellipse: s-maj=6.3km s-min=4.8km az=41.5.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=14.7km az=61.0.
AZER Error ellipse: s-maj=12.6km s-min=6.8km az=17.0.
ISC IX 09 06 46 16.5–.56 38.65N–.05 55.60E–.04 10 3.6b 74 1-45
ISCJB IX 09 06 46 15.6–.27 38.73N–.03 55.51E–.03 10 3.5b ¶601736750
IDC IX 09 06 46 15.5–1.6 38.61N 55.36E 0 3.7,3.6
TEH IX 09 06 46 16.0 38.61N 55.59E 10 4.0L,3.6
THR IX 09 06 46 17.1–.48 38.56N 55.62E 14–6 3.7L,3.6
NNC IX 09 06 46 17.9–2.6 38.93N 55.74E 0 4.5,4.3b
AZER IX 09 06 46 22.1–1.7 38.42N 55.00E 5 4.3L,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=18.5.
IDC Error ellipse: s-maj=38.1km s-min=12.7km az=6.0.
THR Error ellipse: s-maj=9.2km s-min=5.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=10.3km az=67.0.
AZER Error ellipse: s-maj=19.1km s-min=12.0km az=11.0.
ISC X 01 08 43 49.8–.32 38.54N–.03 55.54E–.03 10 4.4b,4.2s 411 1-98
THR X 01 08 43 47.4–.65 38.67N 55.53E 14–9 4.7L,4.2s ¶601769318
TEH X 01 08 43 47.7 38.64N 55.57E 10 4.8L,4.2s
IDC X 01 08 43 47.8–.61 38.47N 55.45E 0 4.2s,4.2
ISCJB X 01 08 43 48.5–.14 38.60N–.02 55.50E–.02 10 4.4b,4.2s
NNC X 01 08 43 48.5–5.2 38.44N 55.80E 0 4.7b,4.2s
GCMT X 01 08 43 49.7–.40 38.65N–.03 55.62E–.03 17–2 4.9W,4.2s
NEIC X 01 08 43 49.7–.33 38.50N 55.54E 10 4.6b,4.2s
AZER X 01 08 43 50.0–.97 38.13N 55.27E 10 4.8L,3.2s
MOS X 01 08 43 51.0–1.4 38.57N 55.41E 27 4.7b,4.0s
DSN X 01 08 43 53.8–1.1 38.38N 55.09E 22 4.8b,4.0s
BJI X 01 08 43 54.1 38.54N 56.28E 15 4.9b,4.8s
ISC Event type se.
THR Error ellipse: s-maj=7.2km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=8.4km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.6km az=29.5.
NNC Event type se. Error ellipse: s-maj=55.4km s-min=38.3km az=44.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s72,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.25±.18 $M_{\theta\theta}$-2.56±.16; $M_{\phi\phi}$2.31±.14; $M_{r\theta}$0.60±.41; $M_{\theta\phi}$-0.80±.13; $M_{\phi r}$-0.73±.39; Best double couple: NP1:ϕ_s125.00000°,δ84.00000°,λ160.00000°. NP2:ϕ_p217.00000°,δ70.00000°,λ7.00000°. Principal axes: T 2.7120,Plg19.0000° ,Azm79.0000°; N 0.0580,Plg69.0000°,Azm288.0000°; P -2.7650,Plg9.0000°,Azm172.0000° M_o2.73900×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=179.0.
AZER Error ellipse: s-maj=14.9km s-min=8.0km az=28.0.
MOS Error ellipse: s-maj=7.9km s-min=4.7km az=39.8.
DSN Error ellipse: s-maj=24.9km s-min=4.1km az=62.0.
ISC X 01 08 51 17.1–.57 38.57N–.05 55.55E–.03 10 4.0b 94 1-56
THR X 01 08 51 14.9–.61 38.69N 55.55E 14–9 4.1L ¶601769320
TEH X 01 08 51 15.1 38.67N 55.59E 10 4.2L
ISCJB X 01 08 51 16.1–.28 38.61N–.03 55.51E–.03 10 4.1b
IDC X 01 08 51 16.4–1.3 38.43N 55.57E 0 4.0,3.9
NEIC X 01 08 51 17.5–.51 38.41N 55.58E 10 4.0b,3.9
AZER X 01 08 51 19.2–3.7 38.61N 55.43E 15 4.3L,3.9
ISC Event type se.
THR Error ellipse: s-maj=7.0km s-min=6.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=32.5.
IDC Error ellipse: s-maj=41.0km s-min=10.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.7km az=185.0.
AZER Error ellipse: s-maj=22.3km s-min=12.8km az=101.0.
ISC X 01 14 36 10.2–.64 38.62N–.05 55.56E–.04 10 45 1-22
ISCJB X 01 14 36 09.2–.37 38.74N–.03 55.53E–.04 10 3.1b ¶601833829
IDC X 01 14 36 09.4–1.5 38.40N 55.48E 0 3.5,3.3
TEH X 01 14 36 10.1 38.56N 55.61E 8 3.6L,3.3
NNC X 01 14 36 16.6–11 39.02N 56.16E 0 3.9b,3.3
AZER X 01 14 36 17.4–6.3 38.53N 55.05E 15 3.9L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=33.4.
IDC Error ellipse: s-maj=24.3km s-min=10.8km az=21.0.
NNC Event type se. Error ellipse: s-maj=101.4km s-min=58.9km az=43.0.
AZER Error ellipse: s-maj=41.1km s-min=34.3km az=86.0.
ISC X 01 23 01 05.1–.85 38.57N–.08 55.46E–.05 10 50 2-11
TEH X 01 23 01 03.5 38.81N 55.57E 10 3.8L ¶604774823
ISCJB X 01 23 01 05.5–.47 38.65N–.05 55.48E–.04 10 3.8L
AZER X 01 23 01 15.8–.84 38.14N 54.51E 2 4.8s,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.2km az=33.3.
AZER Error ellipse: s-maj=12.3km s-min=6.8km az=44.0.
ISC X 02 20 19 48.1–.48 38.59N–.04 55.55E–.04 10 4.2b 146 1-83
TEH X 02 20 19 47.9 38.60N 55.57E 10 4.0L ¶601778086
IDC X 02 20 19 47.2–1.3 38.46N 55.34E 0 3.9,3.8
THR X 02 20 19 47.4–.51 38.65N 55.54E 14–8 3.9L,3.8
ISCJB X 02 20 19 47.9–.20 38.68N–.02 55.50E–.02 10 4.1b,3.6s
NNC X 02 20 19 48.8–4.3 38.79N 55.50E 0 4.8b,4.8
NEIC X 02 20 19 48.6–.46 38.47N 55.66E 10 4.1b,4.8
AZER X 02 20 19 57.3–.77 38.31N 54.77E 15 4.3L,4.8
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=10.7km az=175.0.
THR Error ellipse: s-maj=10.2km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=22.1.
NNC Event type se. Error ellipse: s-maj=54.9km s-min=20.3km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.0km az=179.0.
AZER Error ellipse: s-maj=12.3km s-min=5.6km az=28.0.
ISC X 21 19 07 49.8–.51 37.05N–.03 55.53E–.03 10 3.6b 94 1-77
IDC X 21 19 07 49.4–1.3 37.01N 55.32E 0 3.9,3.7 ¶601869716
ISCJB X 21 19 07 50.2–.22 37.07N–.03 55.53E–.03 10 3.5b,3.7
TEH X 21 19 07 50.0 37.01N 55.57E 10 4.0L,3.7
THR X 21 19 07 50.1–.42 36.97N 55.62E 6–4 3.7L,3.7
NNC X 21 19 07 58.7–3.5 37.67N 56.17E 0 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=13.2km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.8km az=157.8.
THR Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
NNC Event type se. Error ellipse: s-maj=38.9km s-min=24.2km az=56.0.
ISC XII 19 05 52 40.3–.53 37.17N–.04 54.30E–.03 30 3.8b,2.8s 122 1-80
TEH XII 19 05 52 39.2 37.16N 54.38E 20 4.1L,2.8s ¶602051546
ISCJB XII 19 05 52 39.2–.22 37.22N–.02 54.28E–.03 30 3.7b,3.0s
NNC XII 19 05 52 40.3–3.0 37.59N 54.20E 17–12 4.0b,3.9
THR XII 19 05 52 41.3–.44 37.11N 54.62E 26–4 4.1L,3.9
IDC XII 19 05 52 41.3–1.1 37.15N 54.23E 35–5 3.8,3.8
AZER XII 19 05 52 41.7–.82 37.05N 54.14E 30 4.5L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=37.1.
NNC Event type se. Error ellipse: s-maj=21.2km s-min=13.0km az=62.0.
THR Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=10.6km az=5.0.
AZER Error ellipse: s-maj=9.7km s-min=4.6km az=57.0.
ISC XII 23 08 58 27.9–.90 38.36N–.06 57.00E–.05 10 20 1-12
NNC XII 23 08 58 24.2–3.6 38.24N 56.67E 10–34 4.3b,4.1 ¶603090997
ISCJB XII 23 08 58 27.0–.51 38.52N–.04 56.95E–.06 10 4.3b,4.1
TEH XII 23 08 58 27.6 38.33N 57.00E 5 3.7L,4.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.4km s-min=11.7km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=170.5.
ISC XII 23 16 30 58.8–1.5 37.83N–.05 57.47E–.04 3–13 34 0-6
NNC XII 23 16 30 56.9–.69 37.83N 57.33E 0 ¶603091012
TEH XII 23 16 30 58.7 37.86N 57.46E 10 3.1L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=3.5km az=171.0.
ISC XII 25 08 45 46.7–.89 37.91N–.06 57.42E–.05 18 24 0-13
ISCJB XII 25 08 45 45.9–.45 38.05N–.03 57.46E–.06 18 ¶603091076
TEH XII 25 08 45 46.4 37.84N 57.44E 10 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=178.3.
ISC XII 26 19 54 13.7–1.1 38.79N–.09 55.11E–.05 35 3.3b 43 5-35
IDC XII 26 19 54 10.9–1.7 38.66N 55.07E 0 3.8,3.7 ¶602216695
ISCJB XII 26 19 54 12.4–.76 38.79N–.09 54.97E–.04 33 3.4b,3.0s
AZER XII 26 19 54 13.4–1.5 38.86N 55.00E 50 3.7L,3.0s
NNC XII 26 19 54 18.7–3.5 39.29N 55.85E 0 3.8b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=11.6km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=4.2km az=171.1.
AZER Error ellipse: s-maj=19.4km s-min=12.2km az=3.0.
NNC Event type se. Error ellipse: s-maj=35.8km s-min=19.0km az=56.0.

(342) Turkmenistan-Afghanistan border region.

ISC	**X**	**01 04 42 06.2–1.6**	**36.8N–.10**	**64.96E–.06**	**10**		**18**	**6-22**
IDC	X	01 04 41 27.0–15	32.25N	65.47E	0	3.9b,3.8		**¶601833814**
ISCJB	X	01 04 42 04.0–1.2	36.89N–.08	64.82E–.06	10	3.6b,3.8		
NNC	X	01 04 42 08.4–4.7	36.67N	64.84E	170–102	4.1,3.2b		

ISC Event type se.
IDC Error ellipse: s-maj=247.5km s-min=48.1km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.3km az=174.6.
NNC Event type se. Error ellipse: s-maj=37.7km s-min=20.0km az=46.0.

ISC	**XII**	**23 22 01 09.8–.77**	**35.40N–.05**	**62.05E–.07**	**10**	**3.7b**	**27**	**1-93**
ISCJB	XII	23 22 01 07.9–.56	35.41N–.06	62.08E–.07	10	3.6b,3.3s		**¶602391945**
IDC	XII	23 22 01 09.8–1.2	35.34N	62.05E	0	3.6,3.6b		
TEH	XII	23 22 01 14.1	35.21N	61.36E	10	3.9L,3.6b		
NNC	XII	23 22 01 15.4–11	36.04N	62.13E	0	4.0,3.9b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.4km az=143.1.
IDC Error ellipse: s-maj=24.6km s-min=16.4km az=13.0.
NNC Event type se. Error ellipse: s-maj=97.7km s-min=52.2km az=163.0.

(343) Turkey-Iran border region.

DDA	**VII**	**04 14 58 33.8**	**37.12N**	**44.53E**	**2**	**2.7**		
ISN	VII	04 14 58 29.9–.30	37.45N	42.58E	0	2.8L		**¶602027432**
CSEM	VII	04 14 58 31.9–1.8	36.96N	44.58E	2	2.7		

ISN Error ellipse: s-maj=2.7km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=31.8km s-min=15.3km az=108.0.

DDA	**VII**	**04 16 26 45.3**	**37.12N**	**44.49E**	**4**	**2.9L**		
CSEM	VII	04 16 26 43.7–1.1	37.05N	44.61E	2	2.9L		**¶602027433**
ISN	VII	04 16 26 44.0–.30	37.46N	42.57E	0	2.5L		

CSEM Event type ke. Error ellipse: s-maj=18.9km s-min=10.4km az=109.0.
ISN Error ellipse: s-maj=2.8km s-min=1.4km az=-1.0.

ISC	**VII**	**15 15 09 14.8–1.1**	**38.98N–.02**	**44.37E–.02**	**9–9**		**69**	**0-3**
DDA	VII	15 15 09 12.1	38.99N	44.51E	7	2.9L		**¶601831196**
NSSP	VII	15 15 09 12.4	38.93N	44.50E	7	3.1s		
TEH	VII	15 15 09 13.7	38.96N	44.35E	1	2.9L		
ISK	VII	15 15 09 14.6	39.05N	44.38E	5–0	3.0L		
CSEM	VII	15 15 09 14.4–.35	38.92N	44.36E	2	3.0L		
ATA	VII	15 15 09 14.3–1.4	39.03N	44.40E	4–23	3.7W,3.7L		

ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=6.6km az=170.0.
ATA Error ellipse: s-maj=5.6km s-min=15.1km az=-1.0.

ISC	**IX**	**11 20 10 31.0–1.6**	**38.64N–.03**	**44.14E–.05**	**4–13**		**20**	**1-2**
DDA	IX	11 20 10 30.7	38.65N	44.26E	7	2.8		**¶602077752**
ISK	IX	11 20 10 30.9	38.66N	44.06E	5–0	2.3L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.

ISC	**IX**	**23 00 36 41.4–1.5**	**38.64N–.04**	**44.20E–.06**	**10–10**		**25**	**1-2**
DDA	IX	23 00 36 40.0	38.64N	44.34E	12	2.8L		**¶602078453**
ISK	IX	23 00 36 42.3	38.65N	44.07E	9–0	2.0L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.

ISC	**X**	**21 02 13 44.6–2.7**	**37.02N–.09**	**44.30E–.08**	**0–13**		**33**	**1-4**
DDA	X	21 02 13 47.7	37.07N	44.14E	10	3.0L		**¶601999113**
ISK	X	21 02 13 47.2	36.97N	44.02E	6–0	3.2L		
ISN	X	21 02 13 47.0–.31	36.63N	44.27E	3–2	2.5L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0.

ISC	**XI**	**14 10 19 01.8–1.4**	**38.44N–.04**	**44.80E–.05**	**11–11**		**16**	**1-2**
DDA	XI	14 10 18 59.9	38.51N	44.90E	7	2.8L		**¶602983601**
NSSP	XI	14 10 19 01.2	38.42N	44.83E	10	3.0s		

ISC Event type ke.
DDA Event type ke.

ISC	**XI**	**14 10 22 00.6–1.8**	**38.46N–.04**	**44.83E–.07**	**7–12**		**18**	**1-2**
DDA	XI	14 10 22 01.3	38.54N	44.87E	7	2.8L		**¶602081528**
ISK	XI	14 10 22 02.5	38.50N	44.65E	6–0	2.6L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.

DDA	**XI**	**26 12 03 14.5**	**37.10N**	**44.32E**	**5**	**3.2L**		
ISN	XI	26 12 03 11.8–.84	37.18N	44.37E	16–6	3.2L		**¶602323552**

DDA Event type ke.
ISN Error ellipse: s-maj=7.8km s-min=5.1km az=-1.0.

ISC	**XI**	**28 00 34 05.8–2.1**	**38.75N–.04**	**44.78E–.09**	**0–14**		**21**	**1-2**
DDA	XI	28 00 34 05.7	38.73N	44.79E	7	2.7L		**¶602083159**
ISK	XI	28 00 34 06.1	38.86N	44.79E	5–0	3.5L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.

ISC	**XI**	**28 00 34 44.9–1.1**	**38.67N–.02**	**44.70E–.02**	**4–10**		**136**	**1-5**
NSSP	XI	28 00 34 42.9	38.68N	44.75E	10	3.6s		**¶602083162**
TEH	XI	28 00 34 44.6	38.68N	44.71E	5	3.5L		
DDA	XI	28 00 34 44.2	38.65N	44.67E	8	3.3L		
ISK	XI	28 00 34 45.2	38.70N	44.62E	4–0	3.7L		
AZER	XI	28 00 34 47.3–1.1	38.82N	44.71E	5	3.7L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=10.0km s-min=6.0km az=49.0.

ISC	**XI**	**28 19 33 06.9–1.7**	**38.68N–.03**	**44.62E–.06**	**5–13**		**23**	**1-2**
DDA	XI	28 19 33 06.6	38.68N	44.67E	7	2.6L		**¶602083342**
ISK	XI	28 19 33 06.6	38.71N	44.61E	5–0	2.8L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.

DDA	**XII**	**13 15 18 24.8**	**37.46N**	**44.48E**	**7**	**2.7L**		
								¶602984543

DDA Event type ke.

ISC	**XII**	**22 19 06 12.7–1.2**	**37.61N–.03**	**44.13E–.04**	**1–12**		**29**	**0-4**
DDA	XII	22 19 06 12.8	37.58N	44.16E	7	3.1L		**¶602213920**
ISK	XII	22 19 06 13.5	37.61N	44.10E	5–0	2.7L		
ISN	XII	22 19 06 14.1–1.1	37.51N	44.05E	7–7	2.7L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=7.5km s-min=6.5km az=-1.0.

ISC	**XII**	**23 06 38 56.7–.60**	**38.46N–.02**	**44.92E–.01**	**8–3**	**5.2b,4.4s**	**974**	**1-131**
ISN	XII	23 06 38 51.0–.74	38.69N	44.88E	0–40	5.2L,4.4s		**¶602056611**
MOS	XII	23 06 38 55.3–1.1	38.38N	44.88E	10	5.3b,4.3s		
IDC	XII	23 06 38 55.1–.39	38.40N	44.85E	0	4.9,4.9b		
BJI	XII	23 06 38 55.5	38.50N	44.80E	11	5.2b,5.1b		
DDA	XII	23 06 38 55.5	38.47N	44.97E	8	5.0L,5.1b		
ISK	XII	23 06 38 56.2	38.43N	44.83E	5–0	5.0L,5.1b		
NSSP	XII	23 06 38 56.9	38.52N	44.92E	10	4.8s,5.1b		
AZER	XII	23 06 38 56.1–.07	38.56N	44.97E	2–0	5.1L,5.1b		
THR	XII	23 06 38 57.4–.37	38.50N	44.92E	14–6	4.6L,5.1b		
TEH	XII	23 06 38 57.7	38.49N	44.93E	12	4.9L,5.1b		
NEIC	XII	23 06 38 57.5–.62	38.46N	44.87E	12–4	5.2b,5.0L		
DSN	XII	23 06 38 57.6–.30	38.24N	44.68E	15	5.1b,5.0L		
ISCJB	XII	23 06 38 59.9–.16	38.43N–.01	44.88E–.01	43–1	5.1b,4.4s		
GCMT	XII	23 06 39 00.1–.20	38.31N–.01	44.85E–.02	28–0	5.1W,4.4s		
GII	XII	23 06 39 11.0–.00	38.53N	44.87E	5	5.1W,4.4s		

ISC Event type fe.
ISN Error ellipse: s-maj=45.8km s-min=13.5km az=-1.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=110.9.
IDC Error ellipse: s-maj=9.0km s-min=7.7km az=25.0.
DDA Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=2.2km s-min=1.1km az=25.0.
THR Error ellipse: s-maj=3.5km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=189.0. Felt [IV] at Khvoy, Iran. Also felt at Orumiyeh and Tabriz.
DSN Error ellipse: s-maj=7.6km s-min=3.8km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=15.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c54; s93,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.92±.19 $M_{\theta\theta}$-0.51±.13; $M_{\phi\phi}$-1.41±.13; $M_{r\theta}$2.53±.24; $M_{\theta\phi}$-3.77±.09; $M_{\theta r}$-0.64±.23; Best double couple: NP1:ϕ_s79.00000°,δ71.00000°,λ141.00000°. NP2:ϕ_s184.00000°,δ54.00000°,λ24.00000°. Principal axes: T 4.7980,Plg40.0000° ,Azm36.0000°; N 0.1890,Plg48.0000°,Azm237.0000°; P -4.9920,Plg11.0000°,Azm135.0000° M_o4.89500×10^{16}
GII Event type ke.

ISC	**XII**	**23 07 12 33.3–.70**	**38.42N–.02**	**44.91E–.02**	**16–4**	**4.2b,3.5s**	**315**	**1-118**
ISN	XII	23 07 12 27.0–1.1	38.57N	44.89E	0–53	4.2L,3.5s		**¶602056612**
IDC	XII	23 07 12 30.2–.83	38.32N	44.82E	0	3.9,3.9b		
DDA	XII	23 07 12 30.9	38.43N	44.90E	5	4.2L,3.9b		
AZER	XII	23 07 12 30.6–6.3	38.53N	44.96E	0–1	4.2L,3.9b		
MOS	XII	23 07 12 31.2–1.5	38.36N	44.91E	10	4.3b,3.9b		
TEH	XII	23 07 12 31.9	38.44N	44.87E	4	4.2L,3.9b		
ISK	XII	23 07 12 31.4	38.45N	44.79E	5–0	4.2L,3.9b		
THR	XII	23 07 12 32.6–.52	38.46N	44.90E	14–9	3.7L,3.9b		
NEIC	XII	23 07 12 32.3–.95	38.27N	44.91E	12–6	4.2L,4.2		
NSSP	XII	23 07 12 33.6	38.50N	44.97E	10	4.0s,4.2		
ISCJB	XII	23 07 12 33.2–.35	38.39N–.02	44.89E–.02	19–3	4.2b,3.5s		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
NEIC Event type se.
ISCJB Event type ke.

ISC	**XII**	**27 21 01 27.5–1.3**	**37.76N–.03**	**44.63E–.03**	**10–11**		**42**	**0-3**
ISN	XII	27 21 01 23.9–1.4	37.54N	44.54E	0–8	3.1L		**¶602213930**
ISK	XII	27 21 01 26.5	37.78N	44.66E	4–0	3.1L		
ISCJB	XII	27 21 01 28.3–1.1	37.63N–.04	44.67E–.05	24–10	3.1L		
TEH	XII	27 21 01 28.2	37.72N	44.63E	12	3.0L		
DDA	XII	27 21 01 28.4	37.80N	44.54E	6	2.7L		

ISC Event type ke.
ISN Error ellipse: s-maj=7.1km s-min=9.3km az=-1.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=44.5.
DDA Event type ke.

(344) Iran-Armenia-Azerbaijan border region.

ISC	**VII**	**01 02 23 41.4–.88**	**38.87N–.02**	**48.55E–.02**	**16–7**		**118**	**0-5**
AZER	VII	01 02 23 39.3–.06	38.88N	48.52E	10	3.6L		**¶602027361**
CSEM	VII	01 02 23 40.9–.14	38.86N	48.59E	15	3.6L		
ISCJB	VII	01 02 23 41.3–.34	38.85N–.02	48.60E–.03	23–3	3.6L		
TEH	VII	01 02 23 41.7	38.75N	48.56E	10	3.4L		

ISC Event type ke.
AZER Error ellipse: s-maj=0.4km s-min=0.3km az=278.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=162.8.

ISC	**VII**	**02 21 43 15.0–1.2**	**39.77N–.04**	**44.32E–.04**	**10–9**		**20**	**0-1**
ISCJB	VII	02 21 43 14.7–.85	39.76N–.04	44.35E–.07	8–7			**¶601830455**
CSEM	VII	02 21 43 14.7–.20	39.77N	44.32E	10	2.0L		
ISK	VII	02 21 43 14.5	39.74N	44.38E	5–0	2.0L		
DDA	VII	02 21 43 16.7	39.78N	43.99E	14	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.7km az=29.8.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=123.0.
ISK Event type ke.

ISC	**VII**	**07 13 25 51.8–1.4**	**39.35N–.03**	**44.78E–.03**	**3–12**		**34**	**1-2**
NSSP	VII	07 13 25 50.9	39.45N	44.75E	7	3.2s		**¶602027503**
CSEM	VII	07 13 25 52.9–.41	39.39N	44.75E	2	2.7		
DDA	VII	07 13 25 52.0	39.44N	44.76E	7	2.7		
TEH	VII	07 13 25 54.7	39.23N	44.85E	7	2.7L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.6km az=158.0.

ISC	**VII**	**15 22 07 11.9–1.1**	**39.01N–.02**	**44.43E–.02**	**4–10**		**77**	**0-3**
NSSP	VII	15 22 07 08.6	38.92N	44.40E	8	3.0s		**¶601831207**
DDA	VII	15 22 07 11.0	38.99N	44.60E	7	3.0L		
ISK	VII	15 22 07 11.9	39.00N	44.36E	5–0	3.1L		
TEH	VII	15 22 07 11.4	38.78N	44.43E	10	2.6L		
CSEM	VII	15 22 07 12.7–.30	39.01N	44.37E	2	3.1L		
ATA	VII	15 22 07 12.8–1.4	39.01N	44.35E	9–23	3.7W,3.5L		

ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=80.0.
ATA Error ellipse: s-maj=3.9km s-min=8.7km az=-1.0.

ISC	**VII**	**28 11 51 54.7–.96**	**39.58N–.01**	**44.64E–.01**	**7–8**		**168**	**0-4**
DDA	VII	28 11 51 53.7	39.60N	44.67E	10	3.4L		**¶601484419**
NSSP	VII	28 11 51 53.5	39.58N	44.63E	10	3.6s		
TEH	VII	28 11 51 54.5	39.54N	44.63E	18	3.9L		
AZER	VII	28 11 51 54.6–.79	39.54N	44.65E	11–2	3.8L		
CSEM	VII	28 11 51 54.6–.12	39.57N	44.64E	5	3.9L		
ISCJB	VII	28 11 51 54.4–.37	39.54N–.02	44.66E–.02	4–3	3.9L		
THR	VII	28 11 51 55.7–.38	39.35N	44.65E	14–2	3.7L		
ISK	VII	28 11 51 55.2	39.58N	44.57E	18–0	3.1L		

ISC Event type ke.
AZER Error ellipse: s-maj=5.8km s-min=2.0km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=24.2.
THR Error ellipse: s-maj=10.4km s-min=3.4km az=-1.0.
ISK Event type ke.

ISC	**VIII**	**11 12 23 17.7–.38**	**38.40N–.02**	**46.84E–.01**	**9–2**	**6.6s,6.1b**	**2443**	**0-165**
ISN	VIII	11 12 23 11.8–1.3	38.59N	46.87E	0–49	6.2L,6.1b		**¶604084447**
AZER	VIII	11 12 23 12.4–9.8	38.31N	46.78E	9–0	6.4L,6.1b		
NSSP	VIII	11 12 23 14.0	38.42N	46.88E	10	6.4s,6.1b		
BJI	VIII	11 12 23 14.2	38.34N	46.82E	6	6.6,6.6s		
TEH	VIII	11 12 23 15.2	38.39N	46.81E	9	6.5L,6.6s		
NSSC	VIII	11 12 23 15.9–.94	38.15N	47.33E	37–999	4.8L,6.6s		
IDC	VIII	11 12 23 15.8–.29	38.36N	46.77E	0	6.5,6.5s		
MOS	VIII	11 12 23 16.3–1.3	38.36N	46.81E	11	6.5s,6.2b		
ISCJB	VIII	11 12 23 16.5–.31	38.30N–.01	46.810E–.01	13–2	6.6s,6.0b		
THR	VIII	11 12 23 17.3–.52	38.63N	46.91E	34–5	6.0L,6.0b		
NNC	VIII	11 12 23 17.5–5.5	38.59N	46.88E	0	6.4b,6.3		
NEIC	VIII	11 12 23 17.0–.00	38.38N	47.13E	11	6.4b,6.3		
DSN	VIII	11 12 23 18.4–.45	38.20N	46.98E	9	6.9s,6.2b		
NEIC	VIII	11 12 23 18.2–.14	38.33N	46.83E	11	6.9,6.7s		
GCMT	VIII	11 12 23 20.2–.10	38.31N	46.80E	15	6.5W,6.7s		
NEIC	VIII	11 12 23 33.2–.00	38.98N	46.55E	10	6.5W,6.7s		

ISC Event type de.
ISN Error ellipse: s-maj=49.9km s-min=36.0km az=-1.0.
AZER Error ellipse: s-maj=5.5km s-min=1.3km az=22.0.
NSSC Error ellipse: s-maj=553.0km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=7.4km s-min=6.6km az=21.0.
MOS Error ellipse: s-maj=3.9km s-min=2.5km az=129.6. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s354.00000°,δ90.00000°,λ0.00000°. NP2: ϕ_s84.00000°,δ90.00000°,λ180.00000°. Principal axes: T Plg0.0000°,Azm39.0000° ; N Plg90.0000°,Azm0.0000°; P Plg0.0000°,Azm309.0000° M_o4.10000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.1km az=14.5.
THR Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=52.3km s-min=35.3km az=43.0.
NEIC Event type se. Moment Tensor Solution. s15 Moment tensor: Scale 10^{18}Nm; M_{rr}0.19 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.45 $M_{r\theta}$2.15 $M_{\theta\phi}$-4.57 $M_{\theta r}$-1.16 Best double couple: NP1:ϕ_s86.00000° ,δ79.00000°,λ157.00000°. NP2:ϕ_s180.00000°,δ67.00000°,λ12.00000°. Principal axes: T 5.5400,Plg23.0000°,Azm41.0000°; N -0.7800,Plg64.0000°,Azm242.0000° ; P -4.7600,Plg8.0000°,Azm134.0000° M_o5.20000×10^{18}
DSN Error ellipse: s-maj=9.8km s-min=5.1km az=39.0.

NEIC Event type de. Error ellipse: s-maj=3.9km s-min=2.4km az=183.0. At least 306 people killed, 3,000 injured, 4 villages destroyed and 60 heavily damaged in the epicentral area. Some buildings damaged at Tabriz. Power outages occurred and communications were disrupted. Felt [VI] at Tabriz and [V] at Orumiyeh. Also felt at Ahar, Maragheh, Marand, Meshgin Shahr, Rasht and Zanjan. Felt [III] at Yerevan, Armenia. Also felt at Kapan and Tsovazard. Felt [II] at Tbilisi, Georgia. Felt at Mincivan, Azerbaijan; Erbil, Iraq; Van, Turkey. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s82 Moment tensor: Scale 10^{18}Nm; M_{rr}0.20 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.87 $M_{\theta\phi}$-3.84 $M_{\phi r}$-0.39 Best double couple: NP1:ϕ_s355.00000°,δ77.00000°,λ-3.00000°. NP2: ϕ_s85.00000°,δ87.00000°,λ-167.00000°. Principal axes: T 3.8500,Plg7.0000°,Azm219.0000° ; N 0.3200,Plg77.0000°,Azm99.0000°; P -4.1700,Plg11.0000°,Azm311.0000° M_o4.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s85.00000°,δ89.00000°,λ-178.00000°. NP2:ϕ_s355.00000°,δ88.00000°,λ-1.00000°. Principal axes: T Plg1.0000°,Azm220.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm310.0000°

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c346; s148,c612; Duration: 4s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.04±.03 $M_{\theta\theta}$0.51±.03; $M_{\phi\phi}$-1.55±.03; $M_{r\theta}$0.88±.10; $M_{\theta\phi}$-5.85±.03; $M_{\phi r}$-0.37±.09; Best double couple: NP1:ϕ_s84.00000°,δ84.00000° ,λ170.00000°. NP2:ϕ_s175.00000°,δ81.00000°,λ6.00000°. Principal axes: T 5.6020,Plg11.0000°,Azm40.0000°; N 0.8690,Plg79.0000°,Azm231.0000° ; P -6.4700,Plg2.0000°,Azm130.0000° M_o6.03600×10^{18}

NEIC Event type se. Moment Tensor Solution. s103 Moment tensor: Scale 10^{18}Nm; M_{rr}0.49 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.83 $M_{\theta\phi}$-4.81 $M_{\phi r}$-3.18 Best double couple: NP1:ϕ_s357.00000° ,δ88.00000°,λ-33.00000°. NP2:ϕ_s89.00000°,δ57.00000°,λ-178.00000°. Principal axes: T 5.1800,Plg21.0000°,Azm48.0000°; N 1.2100,Plg57.0000°,Azm175.0000° ; P -6.3800,Plg24.0000°,Azm308.0000° M_o5.80000×10^{18}

TEH	**VIII**	**11 12 26 47.5**	**38.40N**	**46.89E**	**13**	**3.5L**		
								¶604846896
TEH	**VIII**	**11 12 28 46.2**	**38.43N**	**46.74E**	**10**	**3.5L**		
								¶604846897
ISC	**VIII**	**11 12 30 13.8–.40**	**38.42N–.02**	**46.75E–.02**	**10**	**4.5b**	**193**	**0-98**
AZER	VIII	11 12 30 10.3–.04	38.35N	46.69E	12–0	5.0L		**¶601565566**
MOS	VIII	11 12 30 10.8–1.4	38.04N	46.77E	10	4.7b		
IDC	VIII	11 12 30 11.5–.79	38.15N	46.70E	0	4.5,4.5		
TEH	VIII	11 12 30 12.4	38.41N	46.79E	6	4.8L,4.5		
ISCJB	VIII	11 12 30 12.3–.25	38.26N–.02	46.69E–.02	10	4.6b,4.5		
THR	VIII	11 12 30 12.6–.48	38.46N	46.75E	15–7	4.9L,4.5		
NEIC	VIII	11 12 30 12.0–.00	38.44N	46.78E	4	5.0b,4.9		
ISC	Event type se.							
AZER	Error ellipse: s-maj=3.6km s-min=1.1km az=26.0.							
MOS	Error ellipse: s-maj=11.7km s-min=7.1km az=106.3.							
IDC	Error ellipse: s-maj=16.5km s-min=10.9km az=172.0.							
ISCJB	Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=169.9.							
THR	Error ellipse: s-maj=5.3km s-min=3.0km az=-1.0.							
NEIC	Event type se. After TEH.							
TEH	**VIII**	**11 12 34 20.9**	**38.43N**	**46.83E**	**20**	**4.4L**		
								¶601553226
ISC	**VIII**	**11 12 34 36.6–.46**	**38.38N–.02**	**46.80E–.02**	**19–1**	**6.1b**	**2232**	**0-165**
NSSC	VIII	11 12 34 19.4–.68	37.58N	48.95E	37–999	5.2L		**¶604846898**
ISN	VIII	11 12 34 30.8–1.3	38.59N	46.76E	0–47	6.1L		
AZER	VIII	11 12 34 32.4–.18	38.41N	46.79E	10–1	6.4L		
ISCJB	VIII	11 12 34 33.9–.06	38.35N–.01	46.737E–.01	10	6.0b		
TEH	VIII	11 12 34 33.8	38.39N	46.81E	4	6.3L		
BJI	VIII	11 12 34 33.3	38.39N	46.77E	6	6.5b,6.5s		
MOS	VIII	11 12 34 33.7–1.2	38.34N	46.76E	10	6.3b,6.3s		
IDC	VIII	11 12 34 33.5–.28	38.40N	46.78E	0	6.3,6.3s		
NSSP	VIII	11 12 34 34.9	38.47N	46.88E	10	6.2s,6.3s		
THR	VIII	11 12 34 34.5–.48	38.56N	46.77E	18–13	6.0L,6.3s		
NEIC	VIII	11 12 34 35.0–.00	38.62N	47.14E	11	6.0L,6.3s		
NEIC	VIII	11 12 34 35.9–.11	38.39N	46.75E	12	6.3,6.3b		
PDG	VIII	11 12 34 36.1	38.48N	46.75E	10	6.2b,6.3b		
GII	VIII	11 12 34 36.7–.00	38.47N	46.75E	10	6.2b,6.3b		
DSN	VIII	11 12 34 37.2–.48	38.20N	46.84E	9	6.4b,6.3b		
NNC	VIII	11 12 34 37.8–5.0	39.05N	46.85E	0	6.5b,6.3		
GCMT	VIII	11 12 34 38.9–.10	38.35N–.01	46.78E–.01	19–0	6.3W,6.3		
ISC	Event type fe.							
ISCJB	Event type fe.							

NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}1.74 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.10 $M_{\theta\phi}$-1.71 $M_{\phi r}$0.41 Best double couple: NP1:ϕ_s256.00000° ,δ60.00000°,λ127.00000°. NP2:ϕ_s19.00000°,δ47.00000°,λ43.00000°. Principal axes: T 2.4600,Plg57.0000°,Azm218.0000°; N 0.2000,Plg31.0000°,Azm55.0000° ; P -2.6600,Plg7.0000°,Azm320.0000° M_o2.60000×10^{18}

NEIC Event type fe. Felt [V] at Ahar and Tabriz. Also felt at 'Alamdar, Azar Shahr, Maragheh, Meshgin Shahr, Miandoab and Orumiyeh. Felt [III] at Yerevan, Armenia. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.

PDG	Event type ke.
GII	Event type ke.
NNC	Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c90; s140,c500;Duration: 3s7 Moment tensor: Scale 10^{18}Nm; M_{rr}2.48±.06 $M_{\theta\theta}$-1.07±.04; $M_{\phi\phi}$-1.41±.04; $M_{r\theta}$-1.78±.10; $M_{\theta\phi}$-3.21±.03; $M_{\phi r}$0.44±.09; Best double couple: NP1:ϕ_s255.00000°,δ63.00000°,λ134.00000°. NP2:ϕ_s10.00000°,δ50.00000°,λ36.00000°. Principal axes: T 3.8980,Plg50.0000° ,Azm216.0000°; N 0.6800,Plg39.0000°,Azm52.0000°; P -4.5780,Plg8.0000°,Azm315.0000° M_o4.23800×10^{18}

ISC	**VIII**	**11 12 38 21.3–.98**	**38.42N–.05**	**46.74E–.03**	**16–10**		**18**	**0-2**
AZER	VIII	11 12 38 21.1–.02	38.65N	46.79E	10–3	4.4L		**¶604084449**
TEH	VIII	11 12 38 21.3	38.40N	46.75E	16	4.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=29.8km s-min=5.3km az=12.0.							
AZER	**VIII**	**11 12 40 09.5–.24**	**38.43N**	**46.76E**	**5–21**	**3.6L**		
								¶605525820
AZER	Error ellipse: s-maj=20.7km s-min=2.6km az=14.0.							
ISC	**VIII**	**11 12 44 39.1–1.2**	**38.47N–.03**	**46.71E–.02**	**2–11**		**90**	**0-5**
AZER	VIII	11 12 44 37.8–.05	38.40N	46.68E	14–0	4.4L		**¶601551776**
TEH	VIII	11 12 44 38.9	38.45N	46.71E	7	4.0L		
THR	VIII	11 12 44 38.6–.37	38.46N	46.64E	14–19	4.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.8km s-min=1.1km az=228.0.							
THR	Error ellipse: s-maj=12.6km s-min=3.6km az=-1.0.							
ISC	**VIII**	**11 12 49 16.2–.00**	**38.42N–.02**	**46.68E–.02**	**3–6**	**4.7b**	**357**	**0-93**
THR	VIII	11 12 49 07.6–.34	38.47N	46.84E	14–10	4.7L		**¶601551777**
AZER	VIII	11 12 49 12.6–.01	38.30N	46.61E	11–1	5.0L		
IDC	VIII	11 12 49 14.5–.61	38.28N	46.68E	0	4.4,4.3		
NEIC	VIII	11 12 49 14.9–.00	38.43N	46.70E	8	4.8b,4.7L		
BJI	VIII	11 12 49 15.9	38.40N	46.70E	8	4.9b,4.9s		
MOS	VIII	11 12 49 15.0–1.5	38.16N	46.74E	13	4.7b,4.9s		
TEH	VIII	11 12 49 15.4	38.40N	46.69E	4	4.6L,4.9s		
ISCJB	VIII	11 12 49 15.0–.46	38.26N–.02	46.69E–.02	4–3	4.7s,4.5b		
NNC	VIII	11 12 49 22.3–10	38.87N	47.20E	0	5.4b,5.3		
ISC	Event type se.							
THR	Error ellipse: s-maj=4.2km s-min=3.9km az=-1.0.							
AZER	Error ellipse: s-maj=6.3km s-min=1.9km az=29.0.							
IDC	Error ellipse: s-maj=12.7km s-min=8.2km az=13.0.							
NEIC	Event type se. After TEH.							
MOS	Error ellipse: s-maj=6.7km s-min=3.7km az=110.8.							
ISCJB	Event type se. Error ellipse: s-maj=3.4km s-min=2.3km az=10.1.							
NNC	Event type se. Error ellipse: s-maj=97.1km s-min=49.2km az=54.0.							
ISC	**VIII**	**11 12 53 16.1–1.3**	**38.43N–.05**	**46.76E–.02**	**12–11**		**60**	**1-4**
AZER	VIII	11 12 53 14.5–14	38.39N	46.77E	8–3	3.7L		**¶605525821**
ISC	Event type ke.							
AZER	Error ellipse: s-maj=6.7km s-min=1.7km az=22.0.							
ISC	**VIII**	**11 12 57 07.9–1.8**	**38.28N–.08**	**46.58E–.04**	**8–13**		**25**	**1-5**
AZER	VIII	11 12 57 08.9–.08	38.21N	46.48E	34–18	3.6L		**¶605525823**
ISC	Event type ke.							
AZER	Error ellipse: s-maj=12.6km s-min=4.5km az=16.0.							
ISC	**VIII**	**11 13 05 55.1–1.1**	**38.45N–.02**	**46.75E–.02**	**4–7**	**4.2b**	**212**	**0-80**
AZER	VIII	11 13 05 50.4–8.9	38.38N	46.69E	4	4.2L		**¶601551778**
ISCJB	VIII	11 13 05 54.5–.56	38.35N–.02	46.79E–.02	4–4	4.1b		
TEH	VIII	11 13 05 54.1	38.41N	46.72E	4	4.1L		
THR	VIII	11 13 05 54.4–.34	38.42N	46.67E	14–10	3.9L		
MOS	VIII	11 13 05 54.5–1.2	38.30N	46.91E	12	4.3b		
NEIC	VIII	11 13 05 54.5–.00	38.39N	46.71E	4	4.4b,4.1		
IDC	VIII	11 13 05 55.4–.79	38.50N	46.82E	0	4.1,4.0b		
BJI	VIII	11 13 05 57.5	39.00N	47.29E	11	4.7b,4.6b		
NNC	VIII	11 13 05 58.9–10	38.96N	47.09E	0	4.4b,4.2		
ISC	Event type se.							
AZER	Error ellipse: s-maj=6.8km s-min=2.4km az=13.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=9.7.							
THR	Error ellipse: s-maj=4.2km s-min=4.0km az=-1.0.							
MOS	Error ellipse: s-maj=8.5km s-min=5.4km az=120.8.							
NEIC	Event type se. After TEH.							
IDC	Error ellipse: s-maj=15.5km s-min=9.4km az=9.0.							
NNC	Event type se. Error ellipse: s-maj=99.9km s-min=49.0km az=59.0.							
ISC	**VIII**	**11 13 11 34.5–1.4**	**38.51N–.05**	**46.71E–.03**	**11–11**		**52**	**1-5**
AZER	VIII	11 13 11 31.6–5.3	38.39N	46.74E	8	3.8L		**¶605525819**
ISC	Event type ke.							
AZER	Error ellipse: s-maj=5.2km s-min=2.0km az=18.0.							
ISC	**VIII**	**11 13 14 06.1–.99**	**38.46N–.02**	**46.69E–.02**	**4–6**	**4.7b**	**488**	**0-95**
ISN	VIII	11 13 14 02.1–1.5	38.65N	46.81E	0–73	4.7L		**¶601551779**
AZER	VIII	11 13 14 02.1–.14	38.44N	46.68E	0–2	4.8L		
ISCJB	VIII	11 13 14 04.5–.43	38.31N–.02	46.64E–.02	2–3	4.5b		
IDC	VIII	11 13 14 05.3–.41	38.34N	46.66E	0	4.5,4.4		
THR	VIII	11 13 14 05.3–.41	38.47N	46.65E	14–6	4.5L,4.4		
TEH	VIII	11 13 14 05.3	38.40N	46.65E	9	4.4L,4.4		
MOS	VIII	11 13 14 05.1–1.2	38.37N	46.70E	9	4.7b,4.4		
BJI	VIII	11 13 14 05.0	38.40N	46.70E	6	4.9,4.9b		
NEIC	VIII	11 13 14 05.0–.00	38.34N	46.69E	4	4.8b,4.5		
NNC	VIII	11 13 14 06.5–10	38.84N	46.90E	0	5.1b,4.8		
ISC	Event type se.							
ISN	Error ellipse: s-maj=71.8km s-min=57.1km az=-1.0.							
AZER	Error ellipse: s-maj=4.7km s-min=2.3km az=21.0.							
ISCJB	Event type se. Error ellipse: s-maj=2.9km s-min=2.1km az=14.2.							
IDC	Error ellipse: s-maj=9.2km s-min=7.1km az=17.0.							
THR	Error ellipse: s-maj=4.4km s-min=1.8km az=-1.0.							
MOS	Error ellipse: s-maj=6.2km s-min=3.9km az=111.1.							
NEIC	Event type se. After TEH.							
NNC	Event type se. Error ellipse: s-maj=95.2km s-min=49.0km az=54.0.							
ISC	**VIII**	**11 13 23 15.2–.91**	**38.45N–.04**	**46.73E–.04**	**10**		**26**	**0-4**
TEH	VIII	11 13 23 14.2	38.51N	46.74E	17	3.7L		**¶604737890**
THR	VIII	11 13 23 17.5–.55	38.51N	46.82E	15–14	3.6L		
ISC	Event type ke.							
THR	Error ellipse: s-maj=6.6km s-min=6.1km az=-1.0.							
TEH	**VIII**	**11 13 24 09.8**	**38.40N**	**46.76E**	**15**	**3.5L**		
								¶604846902
ISC	**VIII**	**11 13 29 23.7–.93**	**38.36N–.03**	**46.74E–.04**	**10**		**23**	**0-4**
TEH	VIII	11 13 29 23.0	38.38N	46.76E	5	3.5L		**¶604846903**
ISCJB	VIII	11 13 29 25.4–.64	38.24N–.05	46.70E–.08	10	3.5L		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**11 13 32 15.5–1.2**	**38.38N–.03**	**46.78E–.02**	**3–11**		**61**	**0-5**
AZER	VIII	11 13 32 13.3–3.5	38.38N	46.65E	5	3.7L		**¶604084454**
THR	VIII	11 13 32 14.5–.47	38.47N	46.78E	14–5	3.6L		
TEH	VIII	11 13 32 15.2	38.38N	46.77E	8	3.7L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.3km s-min=1.1km az=11.0.							
THR	Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.							
ISC	**VIII**	**11 13 42 11.7–1.1**	**38.43N–.02**	**46.70E–.02**	**5–7**	**3.8b**	**183**	**0-78**
ISN	VIII	11 13 42 08.3–1.2	38.41N	46.69E	0–49	4.1L		**¶601551780**
THR	VIII	11 13 42 08.8–.34	38.31N	46.66E	46–4	3.7L		
AZER	VIII	11 13 42 09.9–.01	38.33N	46.55E	12–0	4.3L		
NEIC	VIII	11 13 42 11.5–.00	38.39N	46.70E	4	4.0		
TEH	VIII	11 13 42 11.3	38.40N	46.66E	7	4.0L		
IDC	VIII	11 13 42 12.2–1.1	38.50N	46.71E	0	4.5s,4.5		
MOS	VIII	11 13 42 12.7–1.4	38.52N	46.74E	10	4.0b,4.5		
NNC	VIII	11 13 42 21.3–17	38.95N	47.64E	0	4.5b,4.4		
ISC	Event type se.							
ISN	Error ellipse: s-maj=48.4km s-min=39.6km az=-1.0.							
THR	Error ellipse: s-maj=4.8km s-min=2.8km az=-1.0.							
AZER	Error ellipse: s-maj=2.3km s-min=0.7km az=34.0.							
NEIC	Event type se. After TEH.							
IDC	Error ellipse: s-maj=21.0km s-min=10.8km az=10.0.							
MOS	Error ellipse: s-maj=9.0km s-min=6.4km az=107.2.							
NNC	Event type se. Error ellipse: s-maj=160.4km s-min=75.9km az=57.0.							
ISC	**VIII**	**11 13 51 09.8–.98**	**38.40N–.03**	**46.76E–.02**	**11–8**		**62**	**0-5**
TEH	VIII	11 13 51 09.5	38.39N	46.76E	12	3.6L		**¶604084455**
AZER	VIII	11 13 51 09.4–.40	38.63N	46.82E	8–4	3.6L		
THR	VIII	11 13 51 10.1–.34	38.41N	46.78E	22–11	3.5L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=12.1km s-min=2.7km az=16.0.							
THR	Error ellipse: s-maj=4.7km s-min=4.6km az=-1.0.							
ISC	**VIII**	**11 13 54 21.7–1.2**	**38.40N–.03**	**46.78E–.03**	**2–9**	**3.5b**	**45**	**0-27**
AZER	VIII	11 13 54 19.6–22	38.48N	46.81E	11–0	3.8L		**¶604846905**
ISCJB	VIII	11 13 54 21.4–.60	38.34N–.04	46.76E–.03	3–5	3.3b		
TEH	VIII	11 13 54 21.5	38.42N	46.82E	14	3.6L		
IDC	VIII	11 13 54 21.6–1.7	38.34N	46.81E	0	3.6,3.6		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=10.8km s-min=2.1km az=12.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=19.8.							
IDC	Error ellipse: s-maj=29.5km s-min=12.9km az=10.0.							
ISC	**VIII**	**11 14 10 04.8–.63**	**38.42N–.03**	**46.60E–.03**	**10**	**3.6b**	**42**	**0-27**
AZER	VIII	11 14 10 03.8–.01	38.58N	46.61E	30–7	3.9L		**¶601765752**
TEH	VIII	11 14 10 03.2	38.43N	46.67E	16	3.7L		
IDC	VIII	11 14 10 03.9–1.6	38.26N	46.44E	0	3.7,3.6		
ISCJB	VIII	11 14 10 04.1–.38	38.39N–.04	46.62E–.03	10	3.5b,3.6		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**11 14 16 49.1–1.0**	**38.49N–.04**	**46.69E–.02**	**11–8**	**3.9b**	**49**	**0-27**
IDC	VIII	11 14 16 45.9–1.6	38.04N	46.41E	0	4.5,4.5s		**¶601625741**
AZER	VIII	11 14 16 47.0–.27	38.55N	46.72E	10–1	4.1L,4.5s		
TEH	VIII	11 14 16 48.5	38.43N	46.70E	5	3.8L,4.5s		
NNC	VIII	11 14 16 56.6–8.1	39.04N	47.26E	0	4.5b,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=27.8km s-min=14.1km az=17.0.							
AZER	Error ellipse: s-maj=16.6km s-min=3.3km az=15.0.							
NNC	Event type se. Error ellipse: s-maj=72.8km s-min=34.9km az=58.0.							
ISC	**VIII**	**11 14 25 16.9–.92**	**38.42N–.02**	**46.70E–.02**	**10–6**	**4.3b**	**345**	**0-86**
ISN	VIII	11 14 25 11.7–1.3	38.62N	46.95E	0–60	4.5L		**¶604029671**
AZER	VIII	11 14 25 14.0–1.6	38.34N	46.60E	7	4.8L		
BJI	VIII	11 14 25 14.3	38.00N	46.60E	10	4.8b,4.7b		
NEIC	VIII	11 14 25 15.1–.00	38.42N	46.67E	4	4.5b,4.3		
IDC	VIII	11 14 25 15.4–.68	38.37N	46.66E	0	4.3,4.2		
MOS	VIII	11 14 25 15.1–1.7	38.23N	46.78E	10	4.5b,4.2		
TEH	VIII	11 14 25 15.1	38.44N	46.70E	4	4.3L,4.2		
THR	VIII	11 14 25 15.8–.34	38.45N	46.67E	17–5	4.3L,4.2		
ISCJB	VIII	11 14 25 17.3–.48	38.38N–.02	46.76E–.02	13–3	4.3b,4.2		
NNC	VIII	11 14 25 21.9–11	39.00N	47.07E	0	5.1b,5.0		
ISC	Event type se.							
ISN	Error ellipse: s-maj=58.6km s-min=48.8km az=-1.0.							
AZER	Error ellipse: s-maj=2.9km s-min=1.0km az=18.0.							
NEIC	Event type se. After TEH.							
IDC	Error ellipse: s-maj=13.9km s-min=8.5km az=5.0.							
MOS	Error ellipse: s-maj=6.6km s-min=4.3km az=112.7.							
THR	Error ellipse: s-maj=4.7km s-min=2.5km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=27.4.							
NNC	Event type se. Error ellipse: s-maj=105.7km s-min=53.6km az=55.0.							
ISC	**VIII**	**11 14 33 53.2–1.1**	**38.33N–.03**	**46.77E–.02**	**10–9**		**61**	**0-15**
AZER	VIII	11 14 33 50.1–5.1	38.29N	46.72E	9–0	3.9L		**¶601625742**
TEH	VIII	11 14 33 53.0	38.44N	46.84E	16	3.8L		
THR	VIII	11 14 33 53.6–.35	38.47N	46.79E	14–10	3.8L		

NNC VIII 11 14 33 56.4–10.0 38.87N 47.12E 0 4.1b,4.1
ISC Event type se.
AZER Error ellipse: s-maj=4.0km s-min=1.0km az=20.0.
THR Error ellipse: s-maj=4.3km s-min=4.1km az=-1.0.
NNC Event type se. Error ellipse: s-maj=89.8km s-min=43.9km az=57.0.
ISC VIII 11 14 38 24.0–.95 38.42N–.02 46.77E–.02 15–6 3.9b 186 0-77
AZER VIII 11 14 38 17.8–.02 38.07N 46.54E 9–0 4.3L ¶601551783
ISN VIII 11 14 38 19.5–.79 38.52N 46.78E 0–35 4.1L
THR VIII 11 14 38 22.9–.75 38.44N 46.75E 14–12 3.9L
IDC VIII 11 14 38 22.1–.83 38.33N 46.76E 0 4.0,3.9
NEIC VIII 11 14 38 22.8–.00 38.45N 46.80E 5 4.0,3.9
ISCJB VIII 11 14 38 23.1–.56 38.21N–.03 46.69E–.02 11–4 3.8b,3.9
TEH VIII 11 14 38 23.4 38.38N 46.76E 4 4.0L,3.9
MOS VIII 11 14 38 23.1–2.0 38.42N 46.91E 10 4.1b,3.9
NNC VIII 11 14 38 27.3–16 38.95N 47.19E 0 4.5b,4.2
ISC Event type se.
AZER Error ellipse: s-maj=5.3km s-min=1.6km az=28.0.
ISN Error ellipse: s-maj=34.9km s-min=28.5km az=-1.0.
THR Error ellipse: s-maj=7.6km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=16.3km s-min=9.5km az=11.0.
NEIC Event type se. After TEH.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=14.5.
MOS Error ellipse: s-maj=8.7km s-min=5.6km az=123.5.
NNC Event type se. Error ellipse: s-maj=146.7km s-min=71.3km az=58.0.
ISC VIII 11 14 58 06.4–1.1 38.43N–.03 46.80E–.02 10–10 35 0-4
AZER VIII 11 14 58 05.5–.08 38.55N 46.81E 17–3 3.4L ¶604084456
TEH VIII 11 14 58 06.2 38.41N 46.81E 8 3.4L
THR VIII 11 14 58 06.4–.34 38.41N 46.82E 18–10 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=12.5km s-min=2.4km az=25.0.
THR Error ellipse: s-maj=4.4km s-min=4.3km az=-1.0.
ISC VIII 11 15 21 15.9–.69 38.46N–.02 46.80E–.02 12–4 4.6b 500 0-77
AZER VIII 11 15 21 11.5–.04 38.29N 46.67E 10–0 5.2L ¶601551785
IDC VIII 11 15 21 13.0–.56 38.28N 46.77E 0 4.8,4.8s
ISN VIII 11 15 21 12.8–1.1 38.78N 46.93E 0–56 4.7L,4.8s
BJI VIII 11 15 21 14.3 38.30N 46.80E 10 4.9b,4.7b
MOS VIII 11 15 21 14.0–1.5 38.33N 46.88E 12 4.8b,4.7b
TEH VIII 11 15 21 14.5 38.43N 46.80E 4 4.7L,4.7b
NEIC VIII 11 15 21 14.6–.00 38.43N 46.79E 4 4.7b,4.5
THR VIII 11 15 21 14.5–.71 38.49N 46.76E 14–10 4.6L,4.5
DSN VIII 11 15 21 16.0–.50 38.43N 47.08E 10 5.0b,4.5
NNC VIII 11 15 21 17.5–4.0 38.91N 47.13E 0 5.5b,5.4
ISCJB VIII 11 15 21 18.7–.54 38.36N–.02 46.86E–.02 33–4 4.6s,4.5b
NSSC VIII 11 15 21 26.1–1.7 38.98N 46.15E 37–999 3.4L,4.5b
ISC Event type se.
AZER Error ellipse: s-maj=2.3km s-min=0.8km az=32.0.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=12.0.
ISN Error ellipse: s-maj=55.2km s-min=44.0km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=113.8.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.6km s-min=2.7km az=-1.0.
DSN Error ellipse: s-maj=9.4km s-min=4.0km az=32.0.
NNC Event type se. Error ellipse: s-maj=35.1km s-min=17.8km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=23.9.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VIII 11 15 43 20.1–.53 38.46N–.02 46.71E–.02 12–3 4.9b,4.5s 754 0-133
NSSC VIII 11 15 43 06.0–1.0 39.64N 47.92E 46–999 3.5L,4.5s ¶601551788
AZER VIII 11 15 43 15.4–.00 38.18N 46.53E 13–0 5.2L,4.5s
ISN VIII 11 15 43 16.6–1.4 38.67N 46.83E 0–66 4.8L,4.5s
BJI VIII 11 15 43 16.5 38.30N 46.60E 5 5.0b,4.9b
IDC VIII 11 15 43 17.5–.45 38.23N 46.70E 0 4.8,4.7
MOS VIII 11 15 43 17.3–1.1 38.26N 46.70E 9 4.9b,4.2s
ISCJB VIII 11 15 43 18.6–.10 38.37N–.02 46.70E–.01 10 4.8b,4.5s
TEH VIII 11 15 43 19.1 38.46N 46.74E 7 4.8L,4.5s
GII VIII 11 15 43 19.5–.00 38.61N 46.76E 10 4.8L,4.5s
NEIC VIII 11 15 43 19.2–.00 38.44N 46.74E 10 5.0b,4.8
THR VIII 11 15 43 20.4–.62 38.48N 46.72E 28–8 4.7L,4.8
DSN VIII 11 15 43 20.7–.50 38.31N 46.80E 10 5.0b,4.8
NNC VIII 11 15 43 21.9–4.4 38.87N 47.00E 0 5.5,5.4b
ISC Event type ke.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
AZER Error ellipse: s-maj=2.3km s-min=0.8km az=40.0.
ISN Error ellipse: s-maj=65.5km s-min=52.2km az=-1.0.
IDC Error ellipse: s-maj=10.6km s-min=7.8km az=1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.6km az=115.9.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=18.7.
GII Event type ke.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.3km s-min=2.8km az=-1.0.
DSN Error ellipse: s-maj=12.8km s-min=5.9km az=51.0.
NNC Event type se. Error ellipse: s-maj=39.3km s-min=20.2km az=56.0.
AZER VIII 11 15 46 43.5–.31 38.61N 46.78E 7–1 3.5L
¶605525824
AZER Error ellipse: s-maj=18.8km s-min=2.7km az=17.0.
ISC VIII 11 16 00 50.9–1.0 38.48N–.02 46.79E–.02 7–7 3.9b 160 0-51
ISN VIII 11 16 00 45.4–1.1 38.56N 46.76E 0–52 4.0L ¶601551790
AZER VIII 11 16 00 47.8–1.1 38.34N 46.68E 7 4.1L
IDC VIII 11 16 00 48.7–1.0 38.30N 46.79E 0 3.9,3.8
NEIC VIII 11 16 00 49.9–.00 38.45N 46.80E 4 4.0,3.8
TEH VIII 11 16 00 50.1 38.43N 46.78E 4 4.0L,3.8
THR VIII 11 16 00 50.0–.59 38.43N 46.77E 14–9 3.9L,3.8
NNC VIII 11 16 00 55.3–4.8 38.92N 47.27E 0 4.2b,4.2
ISC Event type se.
ISN Error ellipse: s-maj=51.1km s-min=40.9km az=-1.0.
AZER Error ellipse: s-maj=2.4km s-min=1.1km az=17.0.
IDC Error ellipse: s-maj=17.9km s-min=11.7km az=179.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.9km s-min=2.4km az=-1.0.
NNC Event type se. Error ellipse: s-maj=42.8km s-min=20.9km az=59.0.
ISC VIII 11 16 21 54.3–1.1 38.49N–.03 46.69E–.02 1–7 4.0b 186 0-62
AZER VIII 11 16 21 49.9–.58 38.34N 46.47E 7 4.6L ¶601551792
NEIC VIII 11 16 21 52.9–.00 38.42N 46.68E 4 4.0
TEH VIII 11 16 21 52.8 38.44N 46.68E 4 4.1L
THR VIII 11 16 21 53.2–.35 38.43N 46.64E 14–6 3.9L
MOS VIII 11 16 21 53.3–2.3 38.10N 46.77E 10 4.2b
NNC VIII 11 16 21 54.1–10 38.77N 46.75E 0 4.7b,4.6
IDC VIII 11 16 21 54.5–.88 38.50N 46.71E 0 3.9,3.9
ISC Event type se.
AZER Error ellipse: s-maj=1.7km s-min=0.7km az=42.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.0km s-min=2.6km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=4.5km az=113.7.
NNC Event type se. Error ellipse: s-maj=92.8km s-min=46.6km az=57.0.
IDC Error ellipse: s-maj=16.2km s-min=9.5km az=2.0.
ISC VIII 11 16 34 32.3–1.0 38.43N–.04 46.67E–.02 12–10 27 0-2
AZER VIII 11 16 34 31.2–.21 38.55N 46.69E 8–4 3.5L ¶604084459
TEH VIII 11 16 34 32.4 38.42N 46.67E 10 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=19.1km s-min=3.7km az=12.0.
ISC VIII 11 16 45 22.8–1.2 38.39N–.06 46.60E–.03 7–12 23 0-2
AZER VIII 11 16 45 21.6–.68 38.42N 46.57E 23–0 3.2L ¶604084460
TEH VIII 11 16 45 22.2 38.43N 46.67E 18 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=18.0km s-min=5.0km az=20.0.
ISC VIII 11 17 00 27.0–1.1 38.45N–.03 46.79E–.03 11–10 33 0-3
AZER VIII 11 17 00 24.2–.14 38.52N 46.83E 1–14 3.2L ¶604084461
TEH VIII 11 17 00 27.4 38.40N 46.82E 15 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=17.2km s-min=1.9km az=13.0.
ISC VIII 11 17 10 17.1–1.1 38.38N–.05 46.80E–.02 18–5 25 0-3
TEH VIII 11 17 10 17.4 38.40N 46.83E 14 3.2L ¶604084462
AZER VIII 11 17 10 17.3–.15 38.50N 46.78E 25–4 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=13.4km s-min=2.2km az=24.0.
ISC VIII 11 17 54 44.2–1.2 38.46N–.03 46.72E–.02 1–11 72 0-6
AZER VIII 11 17 54 42.6–.76 38.35N 46.70E 9 4.0L ¶604084463
TEH VIII 11 17 54 43.6 38.47N 46.79E 6 3.7L
THR VIII 11 17 54 44.6–.37 38.50N 46.72E 14–5 3.7L
ISC Event type ke.
AZER Error ellipse: s-maj=2.0km s-min=0.9km az=25.0.
THR Error ellipse: s-maj=3.0km s-min=1.4km az=-1.0.
ISC VIII 11 17 58 34.0–.72 38.42N–.02 46.80E–.02 8–4 4.1b 255 0-81
ISN VIII 11 17 58 28.9–1.5 38.37N 46.69E 0–64 4.4L ¶601551795
AZER VIII 11 17 58 29.7–.54 38.32N 46.80E 6 4.5L
ISCJB VIII 11 17 58 31.9–.52 38.27N–.02 46.74E–.02 1–3 4.2b,3.6s
TEH VIII 11 17 58 32.9 38.36N 46.80E 9 4.1L,3.6s
MOS VIII 11 17 58 32.2–1.7 38.10N 46.58E 10 4.2b,3.6s
IDC VIII 11 17 58 32.7–1.0 38.26N 46.78E 0 4.0,3.9
THR VIII 11 17 58 33.9–.31 38.48N 46.79E 18–4 4.1L,3.9
NEIC VIII 11 17 58 33.3–.49 38.04N 46.67E 10 4.3b,4.2
NNC VIII 11 17 58 39.6–11 38.86N 47.45E 0 4.6b,4.5
ISC Event type se.
ISN Error ellipse: s-maj=62.2km s-min=51.4km az=-1.0.
AZER Error ellipse: s-maj=1.7km s-min=0.7km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=3.4.
MOS Error ellipse: s-maj=8.8km s-min=4.6km az=106.3.
IDC Error ellipse: s-maj=18.2km s-min=10.6km az=4.0.
THR Error ellipse: s-maj=2.6km s-min=1.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=185.0.
NNC Event type se. Error ellipse: s-maj=106.9km s-min=50.9km az=56.0.
ISC VIII 11 18 13 00.0–1.3 38.21N–.05 46.55E–.03 5–13 26 0-4
AZER VIII 11 18 13 02.6–.25 38.67N 46.72E 8–8 3.1L ¶604084464
TEH VIII 11 18 13 02.8 38.41N 46.65E 6 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=11.9km s-min=2.5km az=18.0.
ISC VIII 11 18 30 20.5–1.0 38.47N–.02 46.87E–.02 10–7 4.0b 128 0-33
THR VIII 11 18 30 18.2–.58 38.48N 46.81E 46–52 3.5L ¶601565567
AZER VIII 11 18 30 18.7–.05 38.38N 46.66E 9–0 3.9L
TEH VIII 11 18 30 19.3 38.43N 46.86E 4 3.7L
IDC VIII 11 18 30 20.9–2.3 38.52N 46.96E 0 3.9L,3.7
NNC VIII 11 18 30 23.9–4.3 38.91N 47.27E 0 4.2b,4.2
NEIC VIII 11 18 30 23.4–1.1 38.68N 47.14E 10 4.1b,3.6
ISC Event type se.
THR Error ellipse: s-maj=4.2km s-min=37.7km az=-1.0.
AZER Error ellipse: s-maj=3.1km s-min=0.6km az=21.0.
IDC Error ellipse: s-maj=40.3km s-min=13.9km az=16.0.
NNC Event type se. Error ellipse: s-maj=38.3km s-min=18.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=6.4km az=190.0.
ISC VIII 11 18 42 23.1–1.1 38.40N–.04 46.78E–.03 20–6 24 0-2
AZER VIII 11 18 42 23.2–.03 38.65N 46.84E 11–8 3.5L ¶604084465
TEH VIII 11 18 42 23.4 38.40N 46.79E 6 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=9.1km s-min=0.8km az=22.0.
ISC VIII 11 18 49 45.3–1.4 38.31N–.06 46.67E–.03 7–12 25 0-2
AZER VIII 11 18 49 45.9–.16 38.55N 46.74E 14–3 3.3L ¶604084466
TEH VIII 11 18 49 47.3 38.44N 46.75E 6 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=18.2km s-min=4.2km az=19.0.
ISC VIII 11 18 56 51.4–1.0 38.49N–.02 46.72E–.02 2–7 4.2b 220 0-78
ISN VIII 11 18 56 45.8–1.3 38.44N 46.79E 22–87 4.3L ¶601551796
AZER VIII 11 18 56 46.7–.62 38.22N 46.57E 6 4.4L
MOS VIII 11 18 56 49.8–1.9 37.91N 46.83E 16 4.1b
NEIC VIII 11 18 56 50.8–.67 38.05N 46.70E 10 4.3b,4.0
TEH VIII 11 18 56 50.9 38.41N 46.71E 4 4.0L,4.0
THR VIII 11 18 56 51.4–.45 38.47N 46.70E 16–7 3.9L,4.0
IDC VIII 11 18 56 51.1–1.0 38.30N 46.79E 0 3.9,3.9
NNC VIII 11 18 56 55.0–11 38.79N 47.11E 0 4.6b,4.4
ISC Event type se.
ISN Error ellipse: s-maj=55.9km s-min=46.7km az=-1.0.
AZER Error ellipse: s-maj=1.8km s-min=1.0km az=42.0.
MOS Error ellipse: s-maj=9.7km s-min=5.4km az=113.5.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=6.2km az=181.0.
THR Error ellipse: s-maj=4.8km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=10.2km az=8.0.
NNC Event type se. Error ellipse: s-maj=103.0km s-min=50.8km az=57.0.
ISC VIII 11 19 52 45.6–.60 38.44N–.02 46.80E–.02 12–3 4.6b,3.5s 522 0-93
ISN VIII 11 19 52 39.8–.84 38.59N 46.92E 0–39 4.7L,3.5s ¶601551797
AZER VIII 11 19 52 42.0–.14 38.39N 46.74E 8–0 4.8L,3.5s
IDC VIII 11 19 52 43.4–.58 38.24N 46.81E 0 4.3,4.3b
MOS VIII 11 19 52 43.9–1.5 38.23N 46.88E 14 4.7b,4.3b
BJI VIII 11 19 52 43.0 38.30N 46.80E 5 4.9b,4.7b
TEH VIII 11 19 52 44.5 38.47N 46.84E 4 4.4L,4.7b
THR VIII 11 19 52 45.0–.34 38.48N 46.78E 14–5 4.5L,4.7b
NEIC VIII 11 19 52 45.1–.21 38.26N 46.85E 10 4.7b,4.4
ISCJB VIII 11 19 52 45.4–.37 38.28N–.02 46.79E–.02 21–2 4.5b,3.5s
NNC VIII 11 19 52 46.2–6.0 38.85N 47.02E 0 5.2b,5.2
ISC Event type se.
ISN Error ellipse: s-maj=37.9km s-min=31.5km az=-1.0.
AZER Error ellipse: s-maj=3.4km s-min=0.9km az=26.0.
IDC Error ellipse: s-maj=12.9km s-min=7.6km az=11.0.
MOS Error ellipse: s-maj=5.3km s-min=3.5km az=113.8.
THR Error ellipse: s-maj=3.5km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=190.0.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.0km az=14.7.
NNC Event type se. Error ellipse: s-maj=53.9km s-min=27.6km az=54.0.
ISC VIII 11 20 02 03.0–.99 38.45N–.02 46.79E–.02 13–7 3.6b 110 0-49
AZER VIII 11 20 02 00.6–.11 38.30N 46.75E 9–0 3.9L ¶601765761
TEH VIII 11 20 02 02.1 38.41N 46.77E 8 3.6L
IDC VIII 11 20 02 02.7–1.4 38.46N 46.89E 0 3.8,3.6
THR VIII 11 20 02 02.3–.43 38.40N 46.76E 14–7 3.6L,3.6
DDA VIII 11 20 02 24.3 38.36N 44.97E 24 3.1L,3.6
ISC Event type ke.
AZER Error ellipse: s-maj=2.6km s-min=0.9km az=19.0.
IDC Error ellipse: s-maj=22.7km s-min=12.5km az=9.0.
THR Error ellipse: s-maj=4.3km s-min=1.7km az=-1.0.
DDA Event type ke.
TEH VIII 11 20 10 29.7 38.44N 46.76E 9 3.4L
¶604846913
TEH VIII 11 20 11 23.0 38.41N 46.75E 16 3.4L
¶604846916
ISC VIII 11 21 06 34.6–1.3 38.36N–.03 46.83E–.03 2–15 31 0-5
TEH VIII 11 21 06 34.2 38.40N 46.82E 14 3.3L ¶602995546
DDA VIII 11 21 06 35.4 38.23N 46.99E 4 3.2L
ISC Event type ke.
DDA Event type ke.
ISC VIII 11 21 56 27.0–.77 38.43N–.04 46.66E–.03 10 3.4b 30 0-30
IDC VIII 11 21 56 24.9–2.6 38.12N 46.38E 0 3.6,3.5 ¶601765764
THR VIII 11 21 56 24.9–.59 38.40N 46.65E 14–9 3.5L,3.5
TEH VIII 11 21 56 25.5 38.44N 46.68E 11 3.7L,3.5
ISCJB VIII 11 21 56 26.5–.51 38.31N–.06 46.64E–.06 10 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
TEH VIII 11 22 04 31.9 38.42N 46.69E 4 3.7L
¶604846920
TEH VIII 11 22 05 52.3 38.38N 46.80E 17 3.6L
¶604846921
ISC VIII 11 22 24 02.5–.58 38.46N–.02 46.72E–.01 4–3 5.0b,4.5s 1202 0-133
ISN VIII 11 22 23 56.7–1.1 38.77N 46.75E 0–43 5.0L,4.5s ¶601551806
MOS VIII 11 22 24 01.7–1.3 38.29N 46.69E 11 5.2b,4.4s
BJI VIII 11 22 24 01.5 38.40N 46.70E 5 5.0b,4.9b
AZER VIII 11 22 24 01.5–.03 38.49N 46.73E 9–0 5.6L,4.9b
IDC VIII 11 22 24 01.6–.37 38.33N 46.65E 0 4.9,4.8

GII VIII 11 22 24 01.1–.00 38.53N 46.81E 5 4.9,4.8
TEH VIII 11 22 24 02.5 38.43N 46.75E 4 4.9L,4.8
THR VIII 11 22 24 02.8–.56 38.46N 46.72E 17–5 4.9L,4.8
NEIC VIII 11 22 24 02.0–.00 38.48N 46.76E 4 5.1b,4.9L
ISCJB VIII 11 22 24 04.4–.31 38.33N–.01 46.64E–.01 28–2 4.9b,4.5s
DSN VIII 11 22 24 04.3–.39 38.34N 46.78E 10 5.3b,4.5s
NNC VIII 11 22 24 05.2–6.9 38.87N 47.00E 0 5.9b,5.7
GCMT VIII 11 22 24 06.0–.10 38.35N–.01 46.73E–.01 27–0 5.2W,5.7
ISC Event type fe.
GII Event type ke.
NEIC Event type fe. Felt at Tabriz. Also felt at Tbilisi, Georgia. After TEH.
ISCJB Event type fe.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c91; s112,c200;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39±.14 $M_{\theta\theta}$3.74±.13; $M_{\phi\phi}$-4.13±.11; $M_{r\theta}$-4.36±.29; $M_{\theta\phi}$-6.61±.11; $M_{\phi r}$-1.36±.23; Best double couple: NP1:ϕ_s254.00000°,δ89.00000°,λ149.00000°. NP2:ϕ_s345.00000°,δ59.00000°,λ1.00000°. Principal axes: T 8.7610,Plg22.0000° ,Azm205.0000°; N 0.3760,Plg59.0000°,Azm72.0000°; P -9.1330,Plg20.0000°,Azm304.0000° M_o8.94700×10^{16}

ISC VIII 11 22 28 57.2–1.1 38.42N–.06 46.73E–.03 10 13 0-2
ISCJB VIII 11 22 28 57.4–.68 38.46N–.07 46.72E–.05 10 **¶604737891**
TEH VIII 11 22 28 57.5 38.44N 46.72E 12 3.7L
THR VIII 11 22 28 57.7–.35 38.46N 46.70E 14–10 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.0km az=6.2.
THR Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.

ISC VIII 11 23 00 18.1–.43 38.51N–.02 46.74E–.02 10 4.0b 206 0-49
ISN VIII 11 23 00 12.1–1.2 38.65N 46.82E 0–59 4.2L **¶601551807**
AZER VIII 11 23 00 13.3–.79 38.34N 46.71E 5 4.2L
MOS VIII 11 23 00 13.9–1.9 37.81N 46.69E 10 4.2b
NEIC VIII 11 23 00 16.2–.00 38.46N 46.73E 4 4.2b,4.0
TEH VIII 11 23 00 16.2 38.47N 46.75E 4 3.9L,4.0
THR VIII 11 23 00 16.9–.34 38.46N 46.72E 22–11 4.0L,4.0
ISCJB VIII 11 23 00 17.9–.20 38.33N–.02 46.71E–.02 10 3.9b,3.2s
IDC VIII 11 23 00 18.4–1.3 38.46N 46.60E 0 4.0,3.9
NNC VIII 11 23 00 23.1–8.3 38.99N 47.12E 0 4.5b,4.2
ISC Event type se.
ISN Error ellipse: s-maj=58.2km s-min=46.4km az=-1.0.
AZER Error ellipse: s-maj=2.0km s-min=1.2km az=29.0.
MOS Error ellipse: s-maj=9.7km s-min=5.2km az=111.4.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=4.8km s-min=4.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=13.4.
IDC Error ellipse: s-maj=22.0km s-min=10.9km az=7.0.
NNC Event type se. Error ellipse: s-maj=74.4km s-min=36.2km az=58.0.

ISC VIII 11 23 58 14.9–.83 38.46N–.03 46.69E–.03 10 45 0-6
THR VIII 11 23 58 12.6–.35 38.45N 46.68E 6–9 3.5L **¶604737892**
TEH VIII 11 23 58 13.1 38.47N 46.71E 4 3.4L
ISCJB VIII 11 23 58 17.7–.40 38.28N–.05 46.78E–.04 10 3.4L
ISC Event type ke.
ISCJB Event type ke.

ISC VIII 12 00 15 21.5–1.2 38.42N–.03 46.70E–.02 10–10 66 0-4
AZER VIII 12 00 15 18.2–.09 38.33N 46.71E 2–0 3.2L **¶604084467**
TEH VIII 12 00 15 22.3 38.44N 46.75E 8 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=2.6km s-min=0.8km az=12.0.

ISC VIII 12 00 20 23.4–1.2 38.49N–.03 46.71E–.02 3–12 68 0-4
AZER VIII 12 00 20 20.7–.08 38.38N 46.67E 9–0 3.4L **¶604084468**
TEH VIII 12 00 20 23.3 38.47N 46.73E 12 3.2L
THR VIII 12 00 20 23.2–.34 38.46N 46.70E 14–10 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=3.9km s-min=0.7km az=27.0.
THR Error ellipse: s-maj=4.3km s-min=4.0km az=-1.0.

ISC VIII 12 00 34 16.9–1.0 38.50N–.02 46.76E–.02 8–8 3.5b 128 0-27
ISN VIII 12 00 34 10.6–.90 38.60N 46.80E 0–45 3.7L **¶601626398**
IDC VIII 12 00 34 13.0–1.7 37.94N 46.39E 0 3.6,3.5
TEH VIII 12 00 34 15.7 38.47N 46.75E 8 3.8L,3.5
AZER VIII 12 00 34 15.9–.05 38.45N 46.75E 10–0 3.9L,3.5
THR VIII 12 00 34 16.3–.44 38.44N 46.72E 14–7 3.7L,3.5
NNC VIII 12 00 34 23.8–2.8 39.02N 47.42E 0 4.0b,3.9
DDA VIII 12 00 34 27.3 38.46N 45.79E 6 3.4L,3.9
ISC Event type ke.
ISN Error ellipse: s-maj=45.4km s-min=34.1km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=14.8km az=22.0.
AZER Error ellipse: s-maj=2.1km s-min=0.6km az=22.0.
THR Error ellipse: s-maj=6.1km s-min=3.1km az=-1.0.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=13.1km az=60.0.
DDA Event type ke.

ISC VIII 12 00 52 58.8–1.2 38.38N–.04 46.82E–.02 17–10 57 0-4
AZER VIII 12 00 52 55.1–.07 37.88N 46.75E 50–8 3.4L **¶604846928**
ISCJB VIII 12 00 52 58.9–.67 38.22N–.06 46.75E–.03 5–6 3.4L
TEH VIII 12 00 53 00.7 38.45N 46.81E 6 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=7.8km s-min=3.0km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.6km az=9.0.

ISC VIII 12 00 58 36.2–1.2 38.34N–.04 46.73E–.02 14–12 35 0-4
AZER VIII 12 00 58 33.3–.06 38.31N 46.72E 9–1 3.1L **¶604084469**
TEH VIII 12 00 58 36.8 38.44N 46.77E 11 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=10.1km s-min=1.5km az=16.0.

ISC VIII 12 01 10 46.7–1.2 38.19N–.03 46.79E–.03 19–3 46 0-4
AZER VIII 12 01 10 41.6–.01 38.33N 46.74E 4–16 3.1L **¶604084470**
TEH VIII 12 01 10 47.1 38.43N 46.77E 9 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=14.3km s-min=1.6km az=17.0.

ISC VIII 12 01 12 17.2–1.2 38.25N–.03 46.72E–.03 2–11 37 0-3
AZER VIII 12 01 12 16.2–.23 38.31N 46.70E 10–5 3.0L **¶604084471**
TEH VIII 12 01 12 18.5 38.43N 46.82E 4 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=11.2km s-min=2.3km az=26.0.

ISC VIII 12 01 41 50.2–1.0 38.49N–.02 46.86E–.02 5–8 3.9b 163 0-62
ISN VIII 12 01 41 44.9–1.2 38.54N 46.90E 0–60 3.8L **¶601553238**
AZER VIII 12 01 41 45.7–.69 38.26N 46.63E 8 4.2L
IDC VIII 12 01 41 48.3–1.0 38.27N 46.92E 0 3.9,3.8
TEH VIII 12 01 41 48.9 38.49N 46.87E 7 3.8L,3.8
NEIC VIII 12 01 41 49.1–.00 38.45N 46.85E 4 4.0b,3.9L
THR VIII 12 01 41 49.9–.34 38.44N 46.84E 21–11 3.9L,3.9L
NNC VIII 12 01 41 58.7–4.7 39.06N 47.61E 0 4.2,4.1b
DDA VIII 12 01 42 00.4 38.42N 45.96E 2 3.9,4.1b
ISC Event type ke.
ISN Error ellipse: s-maj=60.0km s-min=47.2km az=-1.0.
AZER Error ellipse: s-maj=1.9km s-min=0.8km az=14.0.
IDC Error ellipse: s-maj=18.5km s-min=10.0km az=12.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=4.6km s-min=4.5km az=-1.0.
NNC Event type se. Error ellipse: s-maj=51.1km s-min=27.6km az=47.0.
DDA Event type ke.

ISC VIII 12 01 46 38.0–1.2 38.34N–.04 46.71E–.02 5–10 42 0-3
AZER VIII 12 01 46 37.0–.11 38.46N 46.72E 10–0 3.1L **¶604084472**
TEH VIII 12 01 46 38.4 38.41N 46.78E 15 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=3.5km s-min=1.1km az=17.0.

ISC VIII 12 02 24 43.6–.97 38.44N–.02 46.77E–.02 13–7 3.6b 147 0-30
AZER VIII 12 02 24 39.9–1.5 38.37N 46.69E 6 3.9L **¶601626403**
ISN VIII 12 02 24 40.3–1.3 38.48N 46.77E 0–62 3.9L
IDC VIII 12 02 24 42.3–1.5 38.38N 46.77E 0 3.7,3.7
TEH VIII 12 02 24 43.1 38.42N 46.78E 5 3.7L,3.7
THR VIII 12 02 24 43.1–.64 38.47N 46.77E 15–9 3.7L,3.7
NNC VIII 12 02 24 51.5–4.3 38.92N 47.52E 0 4.0,3.9b
DDA VIII 12 02 24 52.3 38.53N 46.00E 16 3.4L,3.9b
ISC Event type ke.
AZER Error ellipse: s-maj=2.7km s-min=0.9km az=15.0.
ISN Error ellipse: s-maj=62.6km s-min=48.2km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=12.5km az=9.0.
THR Error ellipse: s-maj=5.2km s-min=2.5km az=-1.0.
NNC Event type se. Error ellipse: s-maj=48.4km s-min=26.9km az=46.0.
DDA Event type ke.

ISC VIII 12 02 38 34.2–1.1 38.47N–.03 46.74E–.02 5–11 51 0-4
AZER VIII 12 02 38 33.0–.05 38.30N 46.65E 28–0 3.5L **¶602995554**
TEH VIII 12 02 38 34.1 38.44N 46.74E 7 3.3L
DDA VIII 12 02 38 44.8 38.42N 45.82E 1 2.7L
ISC Event type ke.
AZER Error ellipse: s-maj=3.8km s-min=1.3km az=30.0.
DDA Event type ke.

ISC VIII 12 03 47 15.0–.99 38.43N–.03 46.77E–.02 13–8 43 0-4
AZER VIII 12 03 47 12.7–12 38.43N 46.76E 9–0 3.4L **¶604084473**
TEH VIII 12 03 47 15.5 38.43N 46.77E 7 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=6.0km s-min=0.7km az=14.0.

ISC VIII 12 04 25 22.4–1.1 38.44N–.02 46.80E–.02 3–7 4.0b,3.1s 241 0-96
ISN VIII 12 04 25 17.7–1.3 38.62N 46.95E 0–60 4.3L,3.1s **¶601553244**
AZER VIII 12 04 25 19.4–2.7 38.37N 46.69E 9 4.3L,3.1s
MOS VIII 12 04 25 20.5–1.4 38.14N 46.82E 10 4.2b,3.1s
IDC VIII 12 04 25 20.9–.89 38.19N 46.74E 0 3.9,3.9b
ISCJB VIII 12 04 25 22.0–.50 38.36N–.02 46.75E–.02 2–4 3.9b,3.3s
TEH VIII 12 04 25 22.1 38.35N 46.77E 4 3.9L,3.3s
THR VIII 12 04 25 22.4–.54 38.43N 46.78E 15–8 3.8L,3.3s
NEIC VIII 12 04 25 22.4–.00 38.43N 46.78E 15 4.0,4.0b
NNC VIII 12 04 25 29.9–3.5 38.94N 47.55E 0 4.3,4.2b
ISC Event type se.
ISN Error ellipse: s-maj=58.6km s-min=48.8km az=-1.0.
AZER Error ellipse: s-maj=3.7km s-min=1.1km az=7.0.
MOS Error ellipse: s-maj=8.9km s-min=5.4km az=105.1.
IDC Error ellipse: s-maj=16.3km s-min=11.1km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.6km az=28.0.
THR Error ellipse: s-maj=5.9km s-min=3.3km az=-1.0.
NEIC Event type se. After THR.
NNC Event type se. Error ellipse: s-maj=45.8km s-min=30.1km az=43.0.

ISC VIII 12 04 42 02.1–1.2 38.41N–.04 46.67E–.02 13–12 28 0-3
AZER VIII 12 04 42 00.6–.11 38.43N 46.65E 10–4 3.5L **¶604084474**
TEH VIII 12 04 42 02.8 38.44N 46.70E 11 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=12.5km s-min=2.1km az=19.0.

ISC VIII 12 06 10 36.4–1.1 38.34N–.03 46.66E–.03 8–10 39 0-3
AZER VIII 12 06 10 34.2–.16 38.34N 46.68E 10–2 3.4L **¶604084475**
TEH VIII 12 06 10 37.4 38.44N 46.77E 10 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=6.6km s-min=1.3km az=21.0.

ISC VIII 12 06 40 45.6–.66 38.47N–.02 46.67E–.02 4–4 4.3b,3.2s 318 0-80
AZER VIII 12 06 40 42.5–.04 38.33N 46.58E 8–2 4.5L,3.2s **¶601553249**
BJI VIII 12 06 40 43.7 38.39N 46.43E 11 4.8b,4.5b
THR VIII 12 06 40 44.8–.34 38.46N 46.65E 14–4 4.0L,4.5b
TEH VIII 12 06 40 44.6 38.39N 46.66E 4 4.1L,4.5b
IDC VIII 12 06 40 45.0–.87 38.42N 46.68E 0 4.0,4.0
ISN VIII 12 06 40 45.0–1.5 38.39N 46.83E 0–62 4.3L,4.0
MOS VIII 12 06 40 45.2–1.4 38.38N 46.72E 10 4.3b,4.0
ISCJB VIII 12 06 40 45.4–.47 38.37N–.02 46.69E–.02 6–3 4.2b,3.2s
NEIC VIII 12 06 40 45.0–.00 38.58N 46.62E 18 4.4b,4.0
NNC VIII 12 06 40 52.6–2.0 38.89N 47.41E 0 4.5,4.4b
DDA VIII 12 06 41 04.9 38.32N 45.00E 18 3.2L,4.4b
ISC Event type ke.
AZER Error ellipse: s-maj=10.7km s-min=2.0km az=20.0.
THR Error ellipse: s-maj=4.0km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=9.7km az=5.0.
ISN Error ellipse: s-maj=59.9km s-min=51.2km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=5.4km az=100.3.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=15.5.
NEIC Event type se. After TEH.
NNC Event type se. Error ellipse: s-maj=24.4km s-min=15.3km az=46.0.
DDA Event type ke.

ISC VIII 12 07 51 13.4–.81 38.44N–.02 46.70E–.02 9–6 65 0-22
AZER VIII 12 07 51 10.7–.26 38.40N 46.70E 4–2 3.9L **¶601626410**
TEH VIII 12 07 51 13.8 38.43N 46.68E 9 3.7L
ISC Event type ke.
AZER Error ellipse: s-maj=7.2km s-min=1.5km az=16.0.

ISC VIII 12 09 55 42.7–1.1 38.43N–.03 46.81E–.02 8–10 44 0-3
AZER VIII 12 09 55 40.6–.05 38.44N 46.83E 10–2 3.3L **¶604084476**
TEH VIII 12 09 55 42.4 38.46N 46.85E 4 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=8.7km s-min=1.3km az=15.0.

ISC VIII 12 10 15 33.8–1.1 38.44N–.03 46.71E–.02 3–11 30 0-3
AZER VIII 12 10 15 32.1–.22 38.49N 46.74E 10–4 3.1L **¶604084477**
TEH VIII 12 10 15 33.0 38.43N 46.73E 9 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=5.6km s-min=1.4km az=15.0.

ISC VIII 12 10 48 25.6–1.3 38.30N–.04 46.66E–.02 5–12 36 0-3
AZER VIII 12 10 48 21.6–6.0 38.23N 46.63E 7 3.4L **¶604846934**
TEH VIII 12 10 48 26.5 38.43N 46.69E 8 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=5.5km s-min=1.1km az=16.0.

ISC VIII 12 11 51 31.2–.95 38.39N–.03 46.77E–.02 12–8 47 0-3
AZER VIII 12 11 51 28.3–.04 38.44N 46.79E 7–6 3.4L **¶604084478**
TEH VIII 12 11 51 31.0 38.39N 46.78E 10 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=11.0km s-min=1.7km az=16.0.

ISC VIII 12 13 08 13.1–1.1 38.39N–.03 46.66E–.02 4–10 40 0-3
AZER VIII 12 13 08 10.7–.39 38.40N 46.64E 10–3 3.2L **¶604084479**
TEH VIII 12 13 08 12.7 38.42N 46.71E 16 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=8.7km s-min=1.5km az=25.0.

ISC VIII 12 13 35 12.3–.95 38.41N–.03 46.81E–.02 12–8 37 0-3
AZER VIII 12 13 35 10.1–.16 38.41N 46.84E 10–5 3.3L **¶604084480**
TEH VIII 12 13 35 12.6 38.42N 46.85E 12 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=10.8km s-min=1.7km az=12.0.

ISC VIII 12 14 15 18.7–1.0 38.45N–.03 46.81E–.02 7–10 56 0-5
AZER VIII 12 14 15 15.5–.31 38.40N 46.76E 9–5 3.6L **¶604084481**
TEH VIII 12 14 15 18.1 38.45N 46.83E 7 3.5L
THR VIII 12 14 15 18.2–.42 38.47N 46.82E 14–7 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=14.3km s-min=1.8km az=23.0.
THR Error ellipse: s-maj=5.5km s-min=2.8km az=-1.0.

ISC VIII 12 15 29 50.4–1.1 38.42N–.03 46.72E–.03 19–3 35 0-3
AZER VIII 12 15 29 49.0–.21 38.50N 46.79E 10–0 3.1L **¶604084482**
TEH VIII 12 15 29 50.8 38.43N 46.78E 10 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=10.4km s-min=1.8km az=18.0.

ISC VIII 12 17 13 28.2–.93 39.91N–.02 48.31E–.03 62–7 76 0-26
IDC VIII 12 17 13 20.5–1.9 39.88N 48.27E 0 3.4,3.3 **¶601765780**
ISCJB VIII 12 17 13 27.6–.36 39.92N–.02 48.29E–.03 72–4 3.1b,3.3
AZER VIII 12 17 13 27.4–.01 39.96N 48.22E 50 3.1L,3.3
TEH VIII 12 17 13 30.7 39.69N 47.93E 18 3.0L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=52.2km s-min=13.8km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=7.9.
AZER Error ellipse: s-maj=0.5km s-min=0.4km az=270.0.

ISC VIII 12 20 57 41.7–.93 38.41N–.04 46.79E–.03 10 16 0-4
ISCJB VIII 12 20 57 40.8–.75 38.45N–.07 46.79E–.04 10 **¶604846940**
TEH VIII 12 20 57 40.8 38.41N 46.80E 17 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.5km az=4.1.

ISC	**VIII**	**12 22 16 57.0–.68**	**38.45N–.03**	**46.73E–.02**	**10**	**3.2b**	**62**	**0-27**
AZER	VIII	12 22 16 54.1–.27	38.43N	46.78E	10–2	3.3L		¶601765787
TEH	VIII	12 22 16 56.4	38.47N	46.80E	8	3.4L		
ISCJB	VIII	12 22 16 57.1–.42	38.34N–.03	46.76E–.02	10	3.1b		
IDC	VIII	12 22 16 58.5–2.4	38.57N	46.83E	0	3.5,3.5L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=5.5km s-min=1.1km az=12.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=3.9.							
IDC	Error ellipse: s-maj=42.4km s-min=13.8km az=17.0.							
ISC	**VIII**	**13 00 18 02.1–1.1**	**38.43N–.02**	**46.81E–.02**	**5–10**		**60**	**0-4**
AZER	VIII	13 00 18 00.1–1.3	38.38N	46.80E	7	3.1L		¶602995577
TEH	VIII	13 00 18 02.3	38.44N	46.89E	10	3.2L		
DDA	VIII	13 00 18 13.4	38.53N	45.92E	15	2.7L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=2.6km s-min=0.9km az=19.0.							
DDA	Event type ke.							
ISC	**VIII**	**13 00 20 44.8–1.2**	**38.40N–.04**	**46.76E–.02**	**14–11**		**34**	**0-3**
AZER	VIII	13 00 20 43.1–.17	38.42N	46.72E	9–2	3.0L		¶604084483
TEH	VIII	13 00 20 45.2	38.43N	46.79E	13	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=10.4km s-min=1.7km az=18.0.							
ISC	**VIII**	**13 00 22 08.9–1.1**	**38.42N–.03**	**46.65E–.02**	**4–13**		**54**	**0-5**
AZER	VIII	13 00 22 05.7–10	38.46N	46.66E	7	3.4L		¶602995578
TEH	VIII	13 00 22 08.4	38.44N	46.68E	10	3.2L		
DDA	VIII	13 00 22 18.4	38.49N	45.88E	19	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=7.2km s-min=1.0km az=17.0.							
DDA	Event type ke.							
ISC	**VIII**	**13 01 56 11.0–.67**	**38.42N–.02**	**46.67E–.01**	**10–4**	**4.5b,3.6s**	**501**	**0-102**
AZER	VIII	13 01 56 07.3–.03	38.38N	46.69E	8–2	4.9L,3.6s		¶601554154
ISN	VIII	13 01 56 08.4–1.2	38.48N	46.70E	0–57	4.6L,3.6s		
IDC	VIII	13 01 56 08.2–.55	38.25N	46.50E	0	4.2,4.2		
BJI	VIII	13 01 56 08.7	38.12N	46.38E	9	4.9b,4.6b		
ISCJB	VIII	13 01 56 10.0–.42	38.37N–.01	46.66E–.01	3–3	4.4b,3.7s		
MOS	VIII	13 01 56 09.1–2.0	38.15N	46.60E	12	4.6b,3.7s		
NEIC	VIII	13 01 56 10.0–.00	38.47N	46.66E	14	4.7,4.6L		
THR	VIII	13 01 56 10.0–.35	38.47N	46.66E	14–6	4.6L,4.6L		
TEH	VIII	13 01 56 10.0	38.42N	46.69E	4	4.7L,4.6L		
NNC	VIII	13 01 56 19.6–4.9	39.19N	47.32E	0	4.7b,4.6L		
ISC	Event type se.							
AZER	Error ellipse: s-maj=6.7km s-min=1.5km az=15.0.							
ISN	Error ellipse: s-maj=57.3km s-min=44.3km az=-1.0.							
IDC	Error ellipse: s-maj=11.4km s-min=8.8km az=27.0.							
ISCJB	Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=18.5.							
MOS	Error ellipse: s-maj=5.9km s-min=3.8km az=115.2.							
NEIC	Event type se. After THR.							
THR	Error ellipse: s-maj=4.9km s-min=2.6km az=-1.0.							
NNC	Event type se. Error ellipse: s-maj=62.4km s-min=43.1km az=52.0.							
ISC	**VIII**	**13 02 52 17.6–.96**	**38.43N–.03**	**46.71E–.02**	**14–11**		**44**	**0-5**
AZER	VIII	13 02 52 16.1–14	38.44N	46.69E	10	3.5L		¶604084484
TEH	VIII	13 02 52 17.3	38.43N	46.71E	10	3.4L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=8.7km s-min=1.9km az=16.0.							
ISC	**VIII**	**13 03 19 41.1–1.3**	**38.42N–.06**	**46.69E–.03**	**20–5**		**20**	**0-2**
AZER	VIII	13 03 19 39.1–32	38.45N	46.69E	10	3.0L		¶604084485
TEH	VIII	13 03 19 40.9	38.43N	46.70E	17	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=13.0km s-min=2.0km az=16.0.							
ISC	**VIII**	**13 04 15 53.5–1.0**	**38.45N–.02**	**46.69E–.02**	**8–7**	**3.9b,2.9s**	**116**	**0-49**
AZER	VIII	13 04 15 51.0–.14	38.45N	46.59E	10–10	4.0L,2.9s		¶601765795
IDC	VIII	13 04 15 51.4–.96	38.32N	46.62E	0	3.8b,3.8		
ISN	VIII	13 04 15 52.8–1.0	38.28N	46.83E	0–44	3.6L,3.8		
TEH	VIII	13 04 15 52.5	38.43N	46.68E	4	3.7L,3.8		
THR	VIII	13 04 15 53.1–.81	38.48N	46.69E	14–6	3.6L,3.8		
DDA	VIII	13 04 16 03.0	38.43N	45.83E	1	3.1L,3.8		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=10.1km s-min=3.1km az=30.0.							
IDC	Error ellipse: s-maj=14.4km s-min=10.4km az=17.0.							
ISN	Error ellipse: s-maj=43.4km s-min=36.7km az=-1.0.							
THR	Error ellipse: s-maj=2.9km s-min=3.7km az=-1.0.							
DDA	Event type ke.							
ISC	**VIII**	**13 05 58 47.7–1.2**	**38.23N–.03**	**46.72E–.02**	**1–11**		**89**	**0-5**
AZER	VIII	13 05 58 47.6–.16	38.41N	46.70E	10–1	3.6L		¶604084486
TEH	VIII	13 05 58 49.8	38.45N	46.74E	7	3.7L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.7km s-min=1.0km az=22.0.							
ISC	**VIII**	**13 06 58 21.1–1.2**	**38.36N–.04**	**46.59E–.03**	**8–11**		**36**	**0-3**
AZER	VIII	13 06 58 21.2–.21	38.45N	46.63E	10–2	3.4L		¶604084487
TEH	VIII	13 06 58 22.1	38.44N	46.67E	10	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=8.2km s-min=2.0km az=16.0.							
ISC	**VIII**	**13 07 28 30.1–1.1**	**38.43N–.03**	**46.73E–.02**	**5–10**		**47**	**0-14**
AZER	VIII	13 07 28 29.5–.78	38.68N	46.85E	8	3.0L		¶604084488
TEH	VIII	13 07 28 30.3	38.39N	46.79E	14	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=2.0km s-min=0.7km az=12.0.							
ISC	**VIII**	**13 08 00 58.7–1.2**	**38.42N–.03**	**46.71E–.02**	**7–11**		**34**	**0-3**
AZER	VIII	13 08 00 57.3–3.6	38.48N	46.72E	8–0	3.4L		¶604084489
TEH	VIII	13 08 00 58.6	38.45N	46.73E	11	3.3L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.0km s-min=0.8km az=21.0.							
ISC	**VIII**	**13 08 16 50.7–1.0**	**38.46N–.02**	**46.88E–.01**	**3–7**	**4.1b,3.2s**	**219**	**0-96**
ISN	VIII	13 08 16 45.5–1.0	38.57N	47.07E	0–48	4.1L,3.2s		¶601554165
AZER	VIII	13 08 16 46.4–.14	38.31N	46.78E	10–0	4.3L,3.2s		
NEIC	VIII	13 08 16 49.2–.00	38.46N	46.92E	10	4.1,4.1b		
IDC	VIII	13 08 16 49.1–1.1	38.24N	46.88E	0	4.0,3.9		
TEH	VIII	13 08 16 49.7	38.45N	46.89E	6	4.0L,3.9		
THR	VIII	13 08 16 49.9–.46	38.46N	46.86E	14–7	3.7L,3.9		
MOS	VIII	13 08 16 50.5–3.3	38.23N	47.07E	10	4.2b,3.9		
DDA	VIII	13 08 17 31.9	38.43N	46.22E	20	4.0,3.9		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=46.0km s-min=40.1km az=-1.0.							
AZER	Error ellipse: s-maj=5.4km s-min=1.1km az=22.0.							
NEIC	Event type se. After TEH.							
IDC	Error ellipse: s-maj=19.9km s-min=10.5km az=8.0.							
THR	Error ellipse: s-maj=6.0km s-min=3.0km az=-1.0.							
MOS	Error ellipse: s-maj=7.7km s-min=4.7km az=102.7.							
DDA	Event type ke.							
ISC	**VIII**	**13 09 38 30.0–1.1**	**38.44N–.03**	**46.69E–.02**	**14–10**		**64**	**0-5**
AZER	VIII	13 09 38 26.6–.46	38.42N	46.72E	2	3.4L		¶604084490
TEH	VIII	13 09 38 30.5	38.44N	46.69E	14	3.6L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=1.5km s-min=0.5km az=17.0.							
ISC	**VIII**	**13 10 45 45.5–1.0**	**38.48N–.02**	**46.67E–.02**	**0–7**	**4.3b,3.5s**	**279**	**0-80**
ISN	VIII	13 10 45 42.2–1.1	38.49N	46.70E	0–49	4.4L,3.5s		¶601554385
AZER	VIII	13 10 45 43.8–11	38.43N	46.70E	10–0	4.5L,3.5s		
THR	VIII	13 10 45 44.5–.34	38.47N	46.62E	16–5	3.8L,3.5s		
BJI	VIII	13 10 45 44.9	38.20N	46.50E	10	4.7b,4.6b		
MOS	VIII	13 10 45 44.5–1.6	38.19N	46.60E	10	4.5b,4.6b		
TEH	VIII	13 10 45 44.1	38.46N	46.61E	4	4.2L,4.6b		
IDC	VIII	13 10 45 45.2–.98	38.43N	46.61E	0	4.1,4.0		
NEIC	VIII	13 10 45 46.4–.38	38.26N	46.57E	10	4.4,4.3b		
DDA	VIII	13 10 45 51.1	38.64N	46.30E	12	3.7L,4.3b		
NNC	VIII	13 10 45 52.3–4.0	38.96N	47.21E	0	4.4b,4.3b		
ISC	Event type fe.							
ISN	Error ellipse: s-maj=48.5km s-min=38.9km az=-1.0.							
AZER	Error ellipse: s-maj=5.8km s-min=1.1km az=21.0.							
THR	Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0.							
MOS	Error ellipse: s-maj=8.2km s-min=4.7km az=115.3.							
IDC	Error ellipse: s-maj=17.6km s-min=11.0km az=8.0.							
NEIC	Event type fe. Error ellipse: s-maj=8.5km s-min=4.6km az=194.0. Felt at Ahar, Orumiyeh and Tabriz.							
DDA	Event type ke.							
NNC	Event type se. Error ellipse: s-maj=85.2km s-min=31.5km az=103.0.							
ISC	**VIII**	**13 11 08 03.8–1.1**	**38.51N–.02**	**46.79E–.02**	**0–9**	**3.7b,3.0s**	**108**	**0-32**
ISN	VIII	13 11 07 58.5–1.5	38.51N	46.85E	0–69	3.8L,3.0s		¶601626880
AZER	VIII	13 11 07 59.9–.44	38.27N	46.67E	11	4.1L,3.0s		
THR	VIII	13 11 08 03.5–.48	38.46N	46.78E	14–8	3.7L,3.0s		
TEH	VIII	13 11 08 03.5	38.40N	46.79E	4	3.8L,3.0s		
IDC	VIII	13 11 08 06.0–1.8	38.61N	46.71E	0	3.9,3.8		
NNC	VIII	13 11 08 11.6–4.3	39.42N	46.51E	0	4.0b,3.8		
ISC	Event type se.							
ISN	Error ellipse: s-maj=67.1km s-min=56.0km az=-1.0.							
AZER	Error ellipse: s-maj=1.5km s-min=0.6km az=25.0.							
THR	Error ellipse: s-maj=6.5km s-min=3.3km az=-1.0.							
IDC	Error ellipse: s-maj=31.3km s-min=13.4km az=2.0.							
NNC	Event type se. Error ellipse: s-maj=166.4km s-min=35.9km az=123.0.							
ISC	**VIII**	**13 11 17 54.8–1.0**	**38.43N–.04**	**46.76E–.02**	**10–10**		**27**	**0-3**
AZER	VIII	13 11 17 53.1–19	38.52N	46.78E	10–0	3.1L		¶604084491
TEH	VIII	13 11 17 54.1	38.44N	46.78E	10	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=10.0km s-min=2.1km az=11.0.							
ISC	**VIII**	**13 12 45 58.9–.90**	**38.45N–.02**	**46.73E–.02**	**2–7**	**3.8b,3.1s**	**113**	**0-59**
ISN	VIII	13 12 45 54.1–1.2	38.53N	46.77E	0–54	3.9L,3.1s		¶601555991
AZER	VIII	13 12 45 56.6–.52	38.40N	46.65E	10–0	4.0L,3.1s		
IDC	VIII	13 12 45 58.8–1.1	38.40N	46.74E	0	4.0,3.9		
TEH	VIII	13 12 45 58.1	38.44N	46.72E	8	3.9L,3.9		
THR	VIII	13 12 45 58.5–.38	38.48N	46.71E	14–6	3.7L,3.9		
DDA	VIII	13 12 46 24.3	38.44N	44.44E	7	2.7L,3.9		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=53.4km s-min=43.2km az=-1.0.							
AZER	Error ellipse: s-maj=1.6km s-min=0.6km az=17.0.							
IDC	Error ellipse: s-maj=20.5km s-min=11.9km az=180.0.							
THR	Error ellipse: s-maj=5.3km s-min=2.7km az=-1.0.							
DDA	Event type ke.							
ISC	**VIII**	**13 12 53 46.2–1.2**	**38.43N–.03**	**46.70E–.02**	**4–11**		**39**	**0-3**
AZER	VIII	13 12 53 43.9–3.1	38.40N	46.72E	4–0	3.3L		¶604084492
TEH	VIII	13 12 53 47.0	38.43N	46.72E	10	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.9km s-min=0.9km az=18.0.							
ISC	**VIII**	**13 14 23 43.6–1.1**	**38.36N–.03**	**46.62E–.02**	**7–10**		**42**	**0-3**
AZER	VIII	13 14 23 40.6–.39	38.31N	46.57E	5	3.3L		¶604084493
TEH	VIII	13 14 23 44.0	38.44N	46.68E	11	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=1.4km s-min=0.6km az=24.0.							
ISC	**VIII**	**13 18 40 05.7–1.0**	**38.41N–.02**	**46.62E–.02**	**9–10**		**65**	**0-5**
AZER	VIII	13 18 40 01.9–.07	38.21N	46.55E	9–0	3.5L		¶602995591
TEH	VIII	13 18 40 05.4	38.42N	46.66E	12	3.4L		
DDA	VIII	13 18 41 03.8	38.58N	46.01E	13	3.6		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.6km s-min=1.1km az=34.0.							
DDA	Event type ke.							
ISC	**VIII**	**13 19 43 22.6–1.1**	**38.43N–.02**	**46.65E–.02**	**6–11**		**71**	**0-5**
AZER	VIII	13 19 43 19.3–1.4	38.32N	46.70E	5	3.5L		¶604084494
TEH	VIII	13 19 43 22.1	38.41N	46.65E	13	3.3L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=2.7km s-min=0.5km az=11.0.							
ISC	**VIII**	**13 20 52 02.6–1.1**	**38.50N–.02**	**46.88E–.02**	**2–11**		**69**	**0-4**
AZER	VIII	13 20 52 00.2–2.4	38.49N	46.87E	5	3.5L		¶604084495
TEH	VIII	13 20 52 02.2	38.46N	46.88E	7	3.4L		
DDA	VIII	13 20 53 01.5	38.68N	46.15E	13	3.6		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.5km s-min=0.6km az=11.0.							
DDA	Event type ke.							
ISC	**VIII**	**13 22 37 04.8–1.2**	**38.42N–.02**	**46.62E–.02**	**1–11**		**77**	**0-5**
AZER	VIII	13 22 37 04.0–.04	38.47N	46.55E	5–0	3.5L		¶602995600
TEH	VIII	13 22 37 04.6	38.40N	46.67E	8	3.3L		
DDA	VIII	13 22 37 57.8	38.29N	46.28E	5	3.8		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=2.2km s-min=0.6km az=9.0.							
DDA	Event type ke.							
ISC	**VIII**	**14 01 49 20.4–.97**	**38.42N–.02**	**46.67E–.02**	**14–9**		**49**	**0-4**
AZER	VIII	14 01 49 17.8–.52	38.32N	46.57E	6	3.0L		¶604084496
TEH	VIII	14 01 49 19.9	38.42N	46.68E	11	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=1.6km s-min=0.6km az=30.0.							
TEH	**VIII**	**14 03 07 52.3**	**38.43N**	**46.69E**	**10**	**3.5L**		**¶604846945**
ISC	**VIII**	**14 05 28 12.5–1.2**	**38.29N–.03**	**46.74E–.02**	**3–10**		**50**	**0-4**
AZER	VIII	14 05 28 10.2–.08	38.42N	46.74E	9–2	3.5L		¶604084497
TEH	VIII	14 05 28 13.1	38.45N	46.79E	5	3.4L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=8.2km s-min=0.9km az=18.0.							
ISC	**VIII**	**14 10 22 00.8–1.0**	**38.41N–.03**	**46.86E–.02**	**8–9**		**33**	**0-3**
AZER	VIII	14 10 21 58.2–.03	38.40N	46.83E	8–1	3.2L		¶604084498
TEH	VIII	14 10 22 00.7	38.42N	46.89E	10	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.2km s-min=0.8km az=11.0.							
ISC	**VIII**	**14 10 28 44.0–1.1**	**38.42N–.03**	**46.68E–.02**	**5–12**		**92**	**0-5**
ISN	VIII	14 10 28 39.1–1.3	38.55N	46.70E	0–60	3.7L		¶602028389
AZER	VIII	14 10 28 40.3–.05	38.28N	46.58E	8–1	4.1L		
TEH	VIII	14 10 28 44.1	38.43N	46.69E	6	3.6L		
THR	VIII	14 10 28 44.5–.34	38.47N	46.72E	16–5	3.8L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=59.2km s-min=46.8km az=-1.0.							
AZER	Error ellipse: s-maj=6.1km s-min=1.0km az=25.0.							
THR	Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.							
ISC	**VIII**	**14 12 33 17.1–1.2**	**38.41N–.04**	**46.73E–.03**	**16–11**		**31**	**0-2**
AZER	VIII	14 12 33 14.8–37	38.39N	46.69E	10–1	3.1L		¶604084499
TEH	VIII	14 12 33 17.6	38.44N	46.75E	14	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=13.0km s-min=1.3km az=28.0.							
ISC	**VIII**	**14 14 02 27.0–.50**	**38.51N–.02**	**46.77E–.01**	**13–3**	**5.1b,4.4s**	**1217**	**0-128**
ISN	VIII	14 14 02 19.8–1.3	38.66N	46.79E	0–49	5.3L,4.4s		¶601561357
AZER	VIII	14 14 02 22.2–.59	38.39N	46.70E	9–7	5.7L,4.4s		
BJI	VIII	14 14 02 23.0	38.40N	46.70E	6	5.0b,5.0b		
ISCJB	VIII	14 14 02 24.9–.08	38.42N–.01	46.73E–.01	10	5.0b,4.4s		
IDC	VIII	14 14 02 24.7–.41	38.44N	46.74E	0	4.8,4.7		
MOS	VIII	14 14 02 24.0–1.2	38.28N	46.75E	12	5.2b,4.2s		
NEIC	VIII	14 14 02 25.0–.00	38.45N	46.79E	6	5.3,5.2L		
TEH	VIII	14 14 02 25.7	38.50N	46.81E	7	5.2L,5.2L		
THR	VIII	14 14 02 25.7–.35	38.46N	46.76E	14–6	5.2L,5.2L		
GII	VIII	14 14 02 27.9–.00	38.35N	46.75E	10	5.2L,5.2L		
DSN	VIII	14 14 02 28.2–.30	38.33N	46.96E	10	5.4b,5.2L		
NNC	VIII	14 14 02 31.0–2.4	39.04N	47.16E	0	5.9,5.4b		
DDA	VIII	14 14 02 31.4	38.52N	46.21E	9	4.8L,5.4b		
ISC	Event type fe.							
ISN	Error ellipse: s-maj=50.3km s-min=35.0km az=-1.0.							
AZER	Error ellipse: s-maj=14.8km s-min=2.4km az=20.0.							
ISCJB	Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=12.9.							
IDC	Error ellipse: s-maj=9.8km s-min=7.0km az=15.0.							
MOS	Error ellipse: s-maj=4.6km s-min=2.9km az=116.2.							
NEIC	Event type fe. Felt [III] at Tabriz and [II] at Orumiyeh. Also felt at Azar Shahr, Maragheh and Meshgin Shahr. After TEH.							
THR	Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.							
GII	Event type ke.							
DSN	Error ellipse: s-maj=6.3km s-min=3.3km az=44.0.							
NNC	Event type se. Error ellipse: s-maj=33.1km s-min=20.6km az=41.0.							
DDA	Event type ke.							
ISC	**VIII**	**14 15 48 21.5–.73**	**38.42N–.02**	**46.66E–.02**	**6–5**	**4.0b**	**161**	**0-77**
ISN	VIII	14 15 48 15.1–1.4	38.58N	46.62E	0–64	3.8L		¶601561822

AZER VIII 14 15 48 17.9–.39 38.44N 46.65E 6–14 4.0L
TEH VIII 14 15 48 20.2 38.43N 46.65E 4 3.8L
IDC VIII 14 15 48 20.9–.95 38.43N 46.67E 0 4.0,3.9
THR VIII 14 15 48 21.1–.36 38.48N 46.66E 18–5 3.8L,3.9
MOS VIII 14 15 48 21.7–1.3 38.50N 46.83E 10 4.1b,3.9
NEIC VIII 14 15 48 21.3–1.1 38.24N 46.72E 11–8 4.1b,3.8L
DDA VIII 14 15 48 45.4 38.30N 44.57E 7 2.8L,3.8L
ISC Event type fe.
ISN Error ellipse: s-maj=63.6km s-min=48.6km az=-1.0.
AZER Error ellipse: s-maj=15.5km s-min=3.9km az=19.0.
IDC Error ellipse: s-maj=16.9km s-min=10.3km az=14.0.
THR Error ellipse: s-maj=4.0km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=7.0km az=106.8.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.9km az=182.0. Felt at Orumiyeh and Tabriz.
DDA Event type ke.

ISC VIII 14 16 36 24.8–1.1 38.43N–.03 46.68E–.02 1–10 3.2b 55 0-27
AZER VIII 14 16 36 21.5–.45 38.36N 46.62E 10–23 3.5L **¶601765840**
ISN VIII 14 16 36 22.7–4.4 38.21N 46.32E 15 3.3L
TEH VIII 14 16 36 24.8 38.42N 46.70E 7 3.3L
IDC VIII 14 16 36 25.4–2.3 38.39N 46.62E 0 3.6,3.5
ISC Event type ke.
AZER Error ellipse: s-maj=25.9km s-min=5.8km az=17.0.
ISN Error ellipse: s-maj=30.0km s-min=56.3km az=-1.0.
IDC Error ellipse: s-maj=38.4km s-min=14.5km az=22.0.

ISC VIII 14 16 48 59.9–.98 38.42N–.03 46.80E–.02 11–9 31 0-2
AZER VIII 14 16 48 59.2–.22 38.53N 46.80E 10–3 3.5L **¶604084500**
TEH VIII 14 16 49 00.2 38.39N 46.81E 12 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=11.0km s-min=2.1km az=22.0.

ISC VIII 14 17 09 09.5–1.0 38.45N–.03 46.70E–.02 11–10 32 0-2
AZER VIII 14 17 09 08.1–.40 38.55N 46.72E 6–25 3.2L **¶604084501**
TEH VIII 14 17 09 09.9 38.42N 46.72E 12 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=21.5km s-min=4.2km az=14.0.

ISC VIII 14 20 10 56.3–1.0 38.46N–.03 46.75E–.02 9–9 42 0-5
AZER VIII 14 20 10 55.4–.24 38.56N 46.77E 15–2 3.1L **¶604084502**
TEH VIII 14 20 10 56.4 38.42N 46.78E 8 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=16.1km s-min=4.4km az=18.0.

ISC VIII 14 20 20 33.6–.00 38.36N–.03 46.62E–.02 12–10 35 0-4
AZER VIII 14 20 20 30.9–.38 38.45N 46.63E 5–12 3.1L **¶604084503**
TEH VIII 14 20 20 32.9 38.40N 46.67E 19 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=17.3km s-min=3.4km az=21.0.

ISC VIII 15 03 41 30.9–1.1 38.45N–.02 46.77E–.02 5–10 77 0-6
ISN VIII 15 03 41 27.8–4.3 38.17N 46.25E 15 3.4L **¶602028399**
AZER VIII 15 03 41 29.1–.24 38.54N 46.80E 9–2 3.7L
TEH VIII 15 03 41 30.6 38.43N 46.78E 4 3.4L
THR VIII 15 03 41 30.8–.34 38.47N 46.78E 14–5 3.5L
DDA VIII 15 03 41 39.9 38.70N 45.79E 2 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=29.3km s-min=54.9km az=-1.0.
AZER Error ellipse: s-maj=5.7km s-min=0.9km az=18.0.
THR Error ellipse: s-maj=4.5km s-min=2.3km az=-1.0.
DDA Event type ke.

ISC VIII 15 07 26 29.2–1.3 38.29N–.03 46.64E–.02 4–12 46 0-5
ISN VIII 15 07 26 25.4–1.3 38.40N 46.69E 0–58 3.5L **¶602028406**
AZER VIII 15 07 26 29.7–.07 38.51N 46.69E 10–2 3.7L
TEH VIII 15 07 26 30.7 38.44N 46.68E 4 3.5L
THR VIII 15 07 26 31.3–.36 38.47N 46.69E 18–5 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=58.2km s-min=45.9km az=-1.0.
AZER Error ellipse: s-maj=15.0km s-min=2.6km az=19.0.
THR Error ellipse: s-maj=5.0km s-min=2.6km az=-1.0.

ISC VIII 15 08 39 21.4–1.1 38.27N–.03 46.82E–.03 9–8 45 0-3
AZER VIII 15 08 39 18.7–2.8 38.43N 46.83E 4–1 3.1L **¶604084505**
TEH VIII 15 08 39 21.0 38.41N 46.86E 12 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=2.9km s-min=1.0km az=16.0.

ISC VIII 15 16 28 53.6–.97 38.27N–.03 46.72E–.02 12–7 63 0-5
ISN VIII 15 16 28 47.9–1.5 38.41N 46.79E 0–93 3.6L **¶602028417**
AZER VIII 15 16 28 51.3–.03 38.35N 46.71E 10–1 3.5L
TEH VIII 15 16 28 53.6 38.41N 46.79E 12 3.5L
THR VIII 15 16 28 53.6–.38 38.41N 46.77E 14–6 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=82.0km s-min=80.0km az=-1.0.
AZER Error ellipse: s-maj=3.7km s-min=1.2km az=28.0.
THR Error ellipse: s-maj=5.1km s-min=2.6km az=-1.0.

ISC VIII 15 17 49 06.3–.55 38.47N–.02 46.68E–.01 12–3 5.2b,4.2s 1307 0-134
ISN VIII 15 17 49 01.2–1.2 38.76N 46.87E 0–49 5.0L,4.2s **¶601564146**
AZER VIII 15 17 49 02.5–.64 38.43N 46.65E 6–0 5.3L,4.2s
IDC VIII 15 17 49 03.4–.35 38.30N 46.71E 0 4.9,4.9
NEIC VIII 15 17 49 04.6–.00 38.41N 46.67E 4 5.3b,5.1L
BJI VIII 15 17 49 04.1 38.40N 46.70E 7 5.2b,5.2b
TEH VIII 15 17 49 04.6 38.44N 46.67E 4 5.0L,5.2b
MOS VIII 15 17 49 04.4–1.3 38.33N 46.73E 11 5.3b,5.2b
ISCJB VIII 15 17 49 05.0–.35 38.49N–.01 46.74E–.01 11–2 5.2b,4.3s
THR VIII 15 17 49 05.0–.34 38.45N 46.66E 14–5 5.1L,4.3s
GII VIII 15 17 49 06.4–.00 38.59N 46.87E 5 5.1L,4.3s
NNC VIII 15 17 49 06.8–11 38.73N 46.90E 0 5.6b,5.2
DSN VIII 15 17 49 07.5–.32 38.23N 46.78E 10 5.3b,5.2
GCMT VIII 15 17 49 08.6–.20 38.39N–.02 46.71E–.02 13–0 5.0W,5.2
DDA VIII 15 17 49 49.5 38.53N 46.88E 12 4.6L,5.2
ISC Event type fe.
ISN Error ellipse: s-maj=50.6km s-min=35.1km az=-1.0.
AZER Error ellipse: s-maj=1.8km s-min=0.7km az=19.0.
IDC Error ellipse: s-maj=8.9km s-min=6.8km az=16.0.
NEIC Event type fe. Felt [IV] at Tabriz. Also felt at Ahar, Marand and Orumiyeh. Felt at Jermuk, Armenia. After TEH.
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=125.1.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=22.6.
THR Error ellipse: s-maj=4.6km s-min=2.5km az=-1.0.
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=103.7km s-min=54.2km az=55.0.
DSN Error ellipse: s-maj=7.3km s-min=3.9km az=47.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c56; s92,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.16 $M_{\theta\theta}$-0.34±.12; $M_{\phi\phi}$-2.55±.11; $M_{r\theta}$-0.03±.31; $M_{\theta\phi}$-3.77±.10; $M_{\phi r}$0.70±.26; Best double couple: NP1:ϕ_s10.00000°,δ56.00000°,λ51.00000°. NP2:ϕ_s246.00000°,δ50.00000°,λ133.00000°. Principal axes: T 3.1960,Plg58.0000° ,Azm223.0000°; N 2.2130,Plg32.0000°,Azm34.0000°; P -5.4090,Plg4.0000°,Azm127.0000° $M_0$4.30300×10^{16}
DDA Event type ke.

ISC VIII 15 18 00 01.8–1.1 38.45N–.03 46.65E–.02 1–10 3.4b 64 0-26
AZER VIII 15 17 59 59.1–.02 38.44N 46.64E 8–1 3.5L **¶601765894**
TEH VIII 15 18 00 01.2 38.42N 46.64E 10 3.3L
IDC VIII 15 18 00 01.5–1.7 38.37N 46.58E 0 3.7b,3.6
DDA VIII 15 18 00 10.8 38.55N 45.88E 15 3.3L,3.6
ISC Event type ke.
AZER Error ellipse: s-maj=8.4km s-min=1.0km az=21.0.
IDC Error ellipse: s-maj=27.5km s-min=14.5km az=12.0.
DDA Event type ke.

ISC VIII 16 00 15 16.8–1.1 38.40N–.02 46.64E–.02 7–11 96 0-5
AZER VIII 16 00 15 13.4–.94 38.29N 46.49E 5 3.5L **¶604846951**
TEH VIII 16 00 15 16.4 38.42N 46.65E 5 3.3L
DDA VIII 16 00 16 21.6 38.48N 46.13E 6 3.4
ISC Event type ke.
AZER Error ellipse: s-maj=2.2km s-min=1.0km az=34.0.
DDA Event type ke.

ISC VIII 16 03 40 17.1–1.2 38.45N–.02 46.69E–.02 0–10 3.8b 111 0-47
ISN VIII 16 03 40 13.5–.79 38.52N 46.78E 0–35 4.1L **¶601564031**
AZER VIII 16 03 40 15.5–.03 38.47N 46.70E 10–0 4.0L
TEH VIII 16 03 40 17.1 38.43N 46.72E 4 3.8L
THR VIII 16 03 40 17.1–.34 38.46N 46.71E 14–5 4.1L
IDC VIII 16 03 40 18.3–1.2 38.20N 46.26E 0 3.7,3.7b
DDA VIII 16 03 40 25.2 38.48N 45.98E 15 3.6L,3.7b
ISC Event type ke.
ISN Error ellipse: s-maj=34.9km s-min=28.5km az=-1.0.
AZER Error ellipse: s-maj=3.1km s-min=1.0km az=26.0.
THR Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=13.4km az=14.0.
DDA Event type ke.

ISC VIII 16 11 03 36.2–1.0 38.37N–.03 46.67E–.02 15–9 35 0-3
AZER VIII 16 11 03 35.2–5.7 38.43N 46.65E 15–0 3.1L **¶604084509**
TEH VIII 16 11 03 36.4 38.42N 46.71E 6 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=5.4km s-min=1.0km az=22.0.

ISC VIII 16 12 19 33.9–1.1 38.47N–.02 46.65E–.02 2–11 63 0-5
TEH VIII 16 12 19 33.9 38.43N 46.67E 4 3.3L **¶604084510**
AZER VIII 16 12 19 33.6–.02 38.58N 46.69E 11–1 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=4.3km s-min=1.5km az=25.0.

ISC VIII 16 15 15 34.8–1.2 38.35N–.02 46.68E–.02 0–9 3.8b 112 0-27
AZER VIII 16 15 15 33.3–3.8 38.50N 46.74E 10–0 3.9L **¶601765948**
IDC VIII 16 15 15 34.7–1.6 38.29N 46.65E 0 3.8,3.7
THR VIII 16 15 15 34.8–.58 38.48N 46.71E 14–9 3.8L,3.7
TEH VIII 16 15 15 35.0 38.46N 46.73E 6 3.8L,3.7
ISC Event type ke.
AZER Error ellipse: s-maj=4.4km s-min=0.9km az=12.0.
IDC Error ellipse: s-maj=25.6km s-min=12.4km az=11.0.
THR Error ellipse: s-maj=6.1km s-min=2.4km az=-1.0.

ISC VIII 16 17 14 14.1–.67 38.44N–.02 46.74E–.02 9–4 4.6b,3.8s 494 0-100
ISN VIII 16 17 14 08.0–.60 38.67N 46.90E 0–36 4.6L,3.8s **¶601783127**
BJI VIII 16 17 14 11.5 38.41N 46.14E 20 4.8b,4.6b
AZER VIII 16 17 14 11.3–.10 38.49N 46.72E 8–0 5.0L,4.6b
MOS VIII 16 17 14 12.0–1.4 38.30N 46.72E 10 4.8b,4.6b
IDC VIII 16 17 14 12.3–.57 38.37N 46.59E 0 4.5,4.4
TEH VIII 16 17 14 13.1 38.46N 46.73E 4 4.6L,4.4
ISCJB VIII 16 17 14 14.5–.39 38.38N–.02 46.71E–.01 14–3 4.5b,3.9s
DSN VIII 16 17 14 14.8–.40 38.04N 46.28E 10 4.9b,3.9s
NEIC VIII 16 17 14 14.1–.31 38.40N 46.71E 10 4.9b,4.6
GII VIII 16 17 14 15.5–.00 38.49N 46.84E 20 4.9b,4.6
GCMT VIII 16 17 14 17.4–.40 38.35N–.02 46.81E–.03 25–1 4.8W,4.6
NNC VIII 16 17 14 21.4–1.7 39.05N 47.46E 0 4.8,4.7b
DDA VIII 16 17 15 08.0 38.28N 46.83E 17 4.4L,4.7b
ISC Event type ke.
ISN Error ellipse: s-maj=37.7km s-min=22.3km az=-1.0.
AZER Error ellipse: s-maj=3.2km s-min=0.8km az=12.0.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=108.0.
IDC Error ellipse: s-maj=12.9km s-min=8.8km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=1.6.
DSN Error ellipse: s-maj=9.9km s-min=5.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=169.0.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c11; s66,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.14 $M_{\theta\theta}$0.40±.11; $M_{\phi\phi}$-0.53±.12; $M_{r\theta}$-0.34±.21; $M_{\theta\phi}$-2.07±.09; $M_{\phi r}$0.41±.21; Best double couple: NP1:ϕ_s355.00000°,δ82.00000°,λ12.00000°. NP2:ϕ_s263.00000°,δ78.00000°,λ172.00000°. Principal axes: T 2.1830,Plg14.0000° ,Azm219.0000°; N 0.0150,Plg75.0000°,Azm28.0000°; P -2.1980,Plg3.0000°,Azm128.0000° $M_0$2.19000×10^{16}
NNC Event type se. Error ellipse: s-maj=23.0km s-min=15.2km az=52.0.
DDA Event type ke.

ISC VIII 16 21 00 21.4–.98 38.42N–.03 46.70E–.02 14–9 47 0-4
AZER VIII 16 21 00 19.8–.02 38.52N 46.71E 10–0 3.2L **¶604084512**
TEH VIII 16 21 00 21.3 38.44N 46.73E 14 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=4.3km s-min=0.7km az=18.0.

ISC VIII 17 04 48 15.6–1.1 38.45N–.02 46.69E–.01 1–8 3.9b 235 0-49
ISN VIII 17 04 48 11.3–1.4 38.60N 46.63E 0–63 3.9L **¶601643010**
AZER VIII 17 04 48 12.2–.16 38.38N 46.61E 4–0 4.0L
NEIC VIII 17 04 48 14.9–.00 38.42N 46.70E 4 4.0b,3.9
TEH VIII 17 04 48 15.1 38.44N 46.70E 4 3.8L,3.9
THR VIII 17 04 48 15.5–.35 38.45N 46.69E 14–3 3.6L,3.9
IDC VIII 17 04 48 15.9–1.1 38.39N 46.68E 0 4.0,3.9
MOS VIII 17 04 48 16.2–3.1 38.24N 46.91E 10 4.1b,3.9
NNC VIII 17 04 48 25.4–6.3 38.74N 47.72E 0 3.9b,3.9
DDA VIII 17 04 48 27.0 38.59N 45.55E 13 2.9L,3.9
ISC Event type ke.
ISN Error ellipse: s-maj=62.5km s-min=47.7km az=-1.0.
AZER Error ellipse: s-maj=5.1km s-min=1.0km az=25.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=11.8km az=14.0.
MOS Error ellipse: s-maj=9.7km s-min=5.8km az=99.4.
NNC Event type se. Error ellipse: s-maj=119.9km s-min=58.4km az=100.0.
DDA Event type ke.

ISC VIII 17 08 09 49.5–1.0 38.32N–.03 46.81E–.02 10–8 66 0-6
ISN VIII 17 08 09 46.5–1.5 38.51N 46.85E 0–69 3.5L **¶602028446**
AZER VIII 17 08 09 48.1–.01 38.32N 46.79E 10–1 3.7L
TEH VIII 17 08 09 50.7 38.41N 46.87E 4 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=67.1km s-min=56.0km az=-1.0.
AZER Error ellipse: s-maj=3.8km s-min=0.9km az=30.0.

ISC VIII 17 09 17 58.8–1.1 38.51N–.02 46.65E–.02 7–10 108 0-6
ISN VIII 17 09 17 54.8–1.2 36.56N 46.66E 0–5 3.9L **¶602028449**
AZER VIII 17 09 17 58.5–.08 38.52N 46.67E 8–0 4.0L
TEH VIII 17 09 17 59.8 38.47N 46.64E 10 3.8L
THR VIII 17 09 18 00.6–.34 38.45N 46.66E 18–5 3.8L
ISC Event type ke.
ISN Error ellipse: s-maj=0.3km s-min=13.0km az=-1.0.
AZER Error ellipse: s-maj=2.9km s-min=0.8km az=23.0.
THR Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0.

ISC VIII 17 12 09 49.0–1.3 38.30N–.03 46.60E–.02 6–11 36 0-3
AZER VIII 17 12 09 49.8–.16 38.54N 46.68E 10–0 3.3L **¶604084513**
TEH VIII 17 12 09 50.2 38.43N 46.64E 15 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=7.4km s-min=1.6km az=22.0.

ISC VIII 17 14 42 54.7–1.0 38.46N–.03 46.66E–.02 17–10 36 0-3
AZER VIII 17 14 42 53.6–.16 38.53N 46.68E 6–1 3.1L **¶604084514**
TEH VIII 17 14 42 54.5 38.43N 46.68E 20 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=3.9km s-min=0.9km az=24.0.

ISC VIII 17 19 34 09.1–1.1 38.47N–.02 46.60E–.02 3–11 64 0-4
AZER VIII 17 19 34 06.4–.08 38.52N 46.62E 5–0 3.3L **¶604084515**
TEH VIII 17 19 34 08.5 38.47N 46.62E 4 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=4.8km s-min=0.7km az=18.0.

ISC VIII 17 20 15 34.8–1.1 38.46N–.02 46.68E–.02 4–9 3.3b 108 0-32
ISN VIII 17 20 15 30.3–1.2 38.46N 46.65E 0–57 3.4L **¶601565589**
AZER VIII 17 20 15 32.6–.01 38.35N 46.61E 9–0 3.7L
TEH VIII 17 20 15 33.9 38.44N 46.67E 4 3.4L
IDC VIII 17 20 15 35.1–2.4 38.45N 46.66E 0 3.8L,3.6
DDA VIII 17 20 15 55.3 38.42N 46.39E 12 3.3L,3.6
ISC Event type ke.
ISN Error ellipse: s-maj=57.1km s-min=43.7km az=-1.0.
AZER Error ellipse: s-maj=5.2km s-min=1.1km az=21.0.
IDC Error ellipse: s-maj=40.8km s-min=15.8km az=13.0.
DDA Event type ke.

ISC VIII 17 23 14 08.7–1.2 38.43N–.02 46.65E–.02 2–11 67 0-4
AZER VIII 17 23 14 07.8–.80 38.41N 46.61E 8 3.2L **¶604084516**

TEH VIII 17 23 14 09.0 38.43N 46.68E 7 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=2.0km s-min=0.8km az=16.0.
ISC VIII 18 01 48 24.3–1.2 38.24N–.03 46.60E–.02 3–10 67 0-5
AZER VIII 18 01 48 23.6–.11 38.26N 46.52E 10–0 3.5L **¶604846962**
TEH VIII 18 01 48 25.1 38.45N 46.69E 4 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=3.8km s-min=1.2km az=32.0.
ISC VIII 18 05 45 22.9–1.1 38.45N–.02 46.70E–.02 5–9 3.5b 88 0-69
ISN VIII 18 05 45 18.0–.65 38.54N 46.61E 0–44 3.9L **¶601766029**
IDC VIII 18 05 45 21.1–1.3 38.22N 46.57E 0 3.6,3.6b
AZER VIII 18 05 45 21.2–1.3 38.42N 46.52E 9 3.9L,3.6b
TEH VIII 18 05 45 22.2 38.44N 46.72E 14 3.7L,3.6b
THR VIII 18 05 45 22.1–.55 38.46N 46.69E 14–9 3.5L,3.6b
ISC Event type ke.
ISN Error ellipse: s-maj=45.3km s-min=28.1km az=-1.0.
IDC Error ellipse: s-maj=20.3km s-min=13.6km az=6.0.
AZER Error ellipse: s-maj=2.5km s-min=0.7km az=25.0.
THR Error ellipse: s-maj=7.6km s-min=3.9km az=-1.0.
ISC VIII 18 15 56 04.9–.96 38.43N–.03 46.85E–.02 10–9 35 0-3
AZER VIII 18 15 56 03.8–.15 38.47N 46.87E 10–0 3.2L **¶604084517**
TEH VIII 18 15 56 05.4 38.42N 46.88E 10 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=3.9km s-min=0.7km az=12.0.
ISC VIII 18 21 08 38.3–1.2 38.33N–.04 46.57E–.03 5–11 41 0-3
AZER VIII 18 21 08 36.8–.08 38.47N 46.67E 6–0 3.2L **¶604084518**
TEH VIII 18 21 08 39.6 38.41N 46.66E 9 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=3.2km s-min=0.3km az=17.0.
ISC VIII 18 21 09 38.8–1.3 38.28N–.04 46.56E–.02 2–11 43 0-3
AZER VIII 18 21 09 38.3–.05 38.36N 46.56E 10–0 3.5L **¶604084519**
TEH VIII 18 21 09 40.4 38.46N 46.65E 4 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=4.0km s-min=0.7km az=25.0.
ISC VIII 19 00 37 05.7–1.2 38.35N–.03 46.62E–.02 2–11 52 0-4
AZER VIII 19 00 37 05.1–.07 38.46N 46.65E 9–0 3.2L **¶604084522**
TEH VIII 19 00 37 06.7 38.44N 46.71E 12 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=3.7km s-min=0.7km az=19.0.
ISC VIII 19 01 58 31.8–.69 38.49N–.02 46.65E–.01 10–4 4.3b,3.1s 389 0-86
ISN VIII 19 01 58 26.6–1.1 38.68N 46.86E 2–52 4.3L,3.1s **¶601565880**
AZER VIII 19 01 58 28.2–.01 38.33N 46.49E 14–0 4.4L,3.1s
NEIC VIII 19 01 58 29.0–.00 38.42N 46.65E 17 4.3,4.2b
MOS VIII 19 01 58 29.4–1.6 38.22N 46.74E 10 4.4b,4.2b
IDC VIII 19 01 58 30.1–.75 38.39N 46.60E 0 4.3,4.2b
TEH VIII 19 01 58 30.4 38.41N 46.66E 4 4.3L,4.2b
THR VIII 19 01 58 30.6–.44 38.43N 46.63E 15–7 4.1L,4.2b
NNC VIII 19 01 58 32.5–3.8 38.80N 46.82E 0 4.9b,4.6
ISCJB VIII 19 01 58 32.8–.39 38.30N–.02 46.71E–.02 27–3 4.2b,3.1s
ISC Event type fe.
NEIC Event type fe. Felt at Tabriz. After TEH.
NNC Event type se.
ISCJB Event type fe.
ISC VIII 19 11 37 17.6–.98 38.46N–.02 46.69E–.01 6–6 4.1b,3.2s 275 0-80
ISN VIII 19 11 37 13.4–1.6 38.37N 46.76E 1–67 4.2L,3.2s **¶601565897**
AZER VIII 19 11 37 14.2–1.4 38.35N 46.53E 8 4.1L,3.2s
IDC VIII 19 11 37 15.7–.92 38.32N 46.67E 0 4.0,3.9
MOS VIII 19 11 37 15.5–1.1 38.19N 46.73E 10 4.3b,3.9
NEIC VIII 19 11 37 16.1–.00 38.43N 46.65E 14 4.1b,3.8
TEH VIII 19 11 37 16.4 38.40N 46.64E 4 4.0L,3.8
THR VIII 19 11 37 17.3–.40 38.51N 46.65E 18–5 3.7L,3.8
NNC VIII 19 11 37 18.4–11 38.90N 46.72E 0 4.4b,4.3
DDA VIII 19 11 37 26.0 38.41N 45.88E 2 3.4L,4.3
ISC Event type fe.
ISN Error ellipse: s-maj=65.5km s-min=53.7km az=-1.0.
AZER Error ellipse: s-maj=2.7km s-min=1.2km az=6.0.
IDC Error ellipse: s-maj=18.0km s-min=10.6km az=7.0.
MOS Error ellipse: s-maj=9.4km s-min=5.3km az=118.9.
NEIC Event type fe. Felt at Tabriz. After TEH.
THR Error ellipse: s-maj=3.4km s-min=1.7km az=-1.0.
NNC Event type se. Error ellipse: s-maj=100.4km s-min=50.3km az=59.0.
DDA Event type ke.
ISC VIII 19 19 37 27.6–1.1 38.47N–.02 46.73E–.02 4–8 3.5b 101 0-27
AZER VIII 19 19 37 24.5–.03 38.36N 46.68E 9–0 3.8L **¶601669935**
TEH VIII 19 19 37 26.5 38.47N 46.72E 5 3.6L
IDC VIII 19 19 37 27.8–2.3 38.35N 46.44E 0 3.8,3.7
NNC VIII 19 19 37 29.4–13 38.94N 46.70E 0 4.1b,3.7
DDA VIII 19 19 37 49.9 38.92N 44.76E 53 3.3L,3.7
ISC Event type ke.
AZER Error ellipse: s-maj=4.6km s-min=0.8km az=20.0.
IDC Error ellipse: s-maj=36.0km s-min=14.9km az=23.0.
NNC Event type se. Error ellipse: s-maj=116.7km s-min=58.1km az=58.0.
DDA Event type ke.
ISC VIII 20 08 48 15.6–1.2 38.43N–.03 46.68E–.02 14–11 31 0-2
AZER VIII 20 08 48 13.7–.59 38.42N 46.66E 9–17 3.4L **¶604084528**
TEH VIII 20 08 48 16.5 38.44N 46.71E 14 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=23.3km s-min=4.5km az=18.0.
ISC VIII 21 04 48 59.6–1.1 38.40N–.03 46.93E–.02 11–10 34 1-3
AZER VIII 21 04 48 58.0–39 38.53N 46.97E 13–0 3.6L **¶604084531**
TEH VIII 21 04 48 59.3 38.39N 46.95E 8 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=14.3km s-min=1.8km az=12.0.
ISC VIII 21 07 42 38.7–1.2 38.33N–.03 46.83E–.02 1–11 40 1-3
AZER VIII 21 07 42 36.8–.04 38.43N 46.84E 10–1 3.1L **¶604084532**
TEH VIII 21 07 42 39.7 38.42N 46.85E 14 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=4.5km s-min=0.8km az=14.0.
ISC VIII 21 11 48 00.7–1.1 38.42N–.04 46.65E–.02 6–11 38 0-3
AZER VIII 21 11 47 59.0–.19 38.44N 46.63E 10–6 3.4L **¶604084533**
TEH VIII 21 11 48 00.3 38.41N 46.66E 9 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=9.5km s-min=3.3km az=24.0.
ISC VIII 21 14 19 53.6–1.3 38.34N–.03 46.62E–.02 3–12 33 0-3
AZER VIII 21 14 19 52.9–1.3 38.25N 46.56E 0 3.2L **¶604846970**
TEH VIII 21 14 19 53.8 38.41N 46.67E 6 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=12.6km s-min=3.7km az=21.0.
ISC VIII 21 17 43 01.5–1.2 38.37N–.03 46.67E–.02 5–11 39 0-3
AZER VIII 21 17 42 58.6–.01 38.41N 46.69E 5–0 3.1L **¶604084534**
TEH VIII 21 17 43 02.2 38.43N 46.72E 6 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=1.9km s-min=0.3km az=18.0.
ISC VIII 22 02 35 46.1–1.0 38.29N–.03 46.59E–.03 17–9 51 0-4
AZER VIII 22 02 35 46.9–1.9 38.11N 46.40E 18–17 3.6L **¶604846971**
TEH VIII 22 02 35 47.4 38.41N 46.68E 4 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=20.3km s-min=6.1km az=27.0.
ISC VIII 22 05 28 35.6–1.0 38.49N–.02 46.71E–.02 5–7 4.2b 298 0-58
ISN VIII 22 05 28 32.8–1.2 38.51N 46.72E 0–52 4.3L **¶601610523**
AZER VIII 22 05 28 32.2–16 38.20N 46.51E 44–1 4.7L
BJI VIII 22 05 28 33.5 37.90N 46.50E 10 4.7b,4.7s
TEH VIII 22 05 28 34.9 38.44N 46.72E 4 4.2L,4.7s
THR VIII 22 05 28 34.8–.34 38.46N 46.70E 14–5 4.3L,4.7s
IDC VIII 22 05 28 35.4–1.1 38.62N 46.84E 0 4.0,3.9
NEIC VIII 22 05 28 37.4–.49 38.65N 46.87E 10 4.1L,4.0b
MOS VIII 22 05 28 38.7–1.7 38.49N 46.75E 33 4.3b,4.0b
DDA VIII 22 05 28 42.6 38.51N 45.93E 14 4.1L,4.0b
NNC VIII 22 05 28 44.5–5.9 39.19N 47.17E 0 4.5,4.4b
ISC Event type fe.
ISN Error ellipse: s-maj=51.7km s-min=40.4km az=-1.0.
AZER Error ellipse: s-maj=5.0km s-min=1.3km az=7.0.
THR Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=11.2km az=177.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.5km az=184.0. Felt at Tabriz.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=119.6.
DDA Event type ke.
NNC Event type se. Error ellipse: s-maj=80.3km s-min=43.9km az=76.0.
ISC VIII 22 09 50 22.6–1.2 38.39N–.04 46.63E–.02 4–11 44 0-3
AZER VIII 22 09 50 18.5–.75 38.29N 46.53E 10 3.6L **¶604846972**
TEH VIII 22 09 50 22.7 38.42N 46.65E 9 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=2.0km s-min=0.5km az=24.0.
ISC VIII 22 19 44 58.0–1.2 38.29N–.04 46.58E–.02 4–10 50 0-5
AZER VIII 22 19 44 57.3–.03 38.50N 46.63E 9–1 3.1L **¶604084537**
TEH VIII 22 19 44 58.9 38.42N 46.63E 9 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=5.2km s-min=0.7km az=21.0.
ISC VIII 23 20 31 27.8–1.2 38.37N–.03 46.72E–.02 9–10 53 0-3
AZER VIII 23 20 31 22.4–.00 38.13N 46.71E 0 3.3L **¶604846974**
TEH VIII 23 20 31 29.0 38.44N 46.73E 9 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=2.2km s-min=0.3km az=8.0.
ISC VIII 24 07 38 38.8–.94 38.51N–.03 46.95E–.02 12–9 39 0-3
AZER VIII 24 07 38 37.4–6.2 38.58N 46.98E 8–0 3.3L **¶604084539**
TEH VIII 24 07 38 38.9 38.51N 46.98E 8 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=4.5km s-min=0.6km az=7.0.
ISC VIII 24 16 22 54.0–1.1 38.45N–.03 46.70E–.02 20–4 43 0-3
AZER VIII 24 16 22 52.2–.03 38.56N 46.73E 10–0 3.1L **¶604084540**
TEH VIII 24 16 22 53.2 38.44N 46.68E 11 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=3.5km s-min=0.2km az=14.0.
ISC VIII 25 06 09 45.9–1.1 38.47N–.04 46.66E–.02 7–11 33 0-3
AZER VIII 25 06 09 45.9–.01 38.61N 46.71E 10–0 3.0L **¶604084541**
TEH VIII 25 06 09 45.9 38.42N 46.67E 10 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=4.6km s-min=0.7km az=12.0.
ISC VIII 25 07 46 20.3–1.0 38.45N–.03 46.84E–.02 8–10 35 0-3
AZER VIII 25 07 46 18.5–.44 38.48N 46.85E 10–16 3.1L **¶604084542**
TEH VIII 25 07 46 20.2 38.42N 46.87E 10 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=17.8km s-min=3.9km az=14.0.
ISC VIII 25 09 27 24.5–1.1 38.40N–.03 46.91E–.02 4–10 32 0-2
AZER VIII 25 09 27 21.8–.46 38.44N 46.91E 6–26 3.1L **¶604084543**
TEH VIII 25 09 27 24.6 38.40N 46.93E 6 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=23.5km s-min=4.4km az=10.0.
ISC VIII 25 21 52 12.4–1.2 38.44N–.03 46.65E–.02 1–11 57 0-4
AZER VIII 25 21 52 11.7–.06 38.53N 46.67E 10–0 3.2L **¶604084544**
TEH VIII 25 21 52 12.2 38.40N 46.66E 5 3.2L
DDA VIII 25 21 53 17.1 38.46N 45.91E 21 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=3.0km s-min=0.4km az=17.0.
DDA Event type ke.
ISC VIII 26 02 13 39.5–1.1 38.46N–.02 46.71E–.02 1–9 4.0b,3.1s 99 0-49
AZER VIII 26 02 13 37.8–1.4 38.42N 46.61E 13–0 4.0L,3.1s **¶601696918**
TEH VIII 26 02 13 39.2 38.46N 46.72E 4 3.7L,3.1s
THR VIII 26 02 13 40.1–.40 38.50N 46.73E 18–6 3.6L,3.1s
IDC VIII 26 02 13 43.1–2.1 38.79N 46.66E 0 3.9,3.9
NNC VIII 26 02 13 50.9–3.6 39.22N 47.65E 0 4.2,4.1b
ISC Event type se.
AZER Error ellipse: s-maj=2.4km s-min=1.2km az=4.0.
THR Error ellipse: s-maj=5.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=40.1km s-min=13.5km az=174.0.
NNC Event type se. Error ellipse: s-maj=40.2km s-min=22.5km az=53.0.
ISC VIII 26 09 36 53.5–1.0 38.49N–.02 46.68E–.02 2–8 3.7b 97 0-49
AZER VIII 26 09 36 50.8–.02 38.28N 46.58E 9–0 4.0L **¶601766497**
TEH VIII 26 09 36 52.9 38.43N 46.66E 4 3.9L
THR VIII 26 09 36 53.4–.35 38.46N 46.66E 14–6 3.6L
IDC VIII 26 09 36 54.7–1.2 38.55N 46.71E 0 3.8,3.8
ISC Event type ke.
AZER Error ellipse: s-maj=4.4km s-min=1.0km az=25.0.
THR Error ellipse: s-maj=4.9km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=11.4km az=8.0.
ISC VIII 26 09 43 22.7–1.1 38.42N–.02 46.67E–.02 3–8 3.8b,3.2s 113 0-47
AZER VIII 26 09 43 19.0–.10 38.26N 46.51E 9–0 4.3L,3.2s **¶601766498**
TEH VIII 26 09 43 21.5 38.44N 46.65E 8 3.9L,3.2s
THR VIII 26 09 43 22.6–.34 38.47N 46.68E 17–5 3.8L,3.2s
IDC VIII 26 09 43 23.2–1.2 38.52N 46.77E 0 3.9,3.8
ISC Event type ke.
AZER Error ellipse: s-maj=4.3km s-min=0.7km az=30.0.
THR Error ellipse: s-maj=4.7km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=11.6km az=3.0.
ISC VIII 26 13 08 35.7–1.1 38.43N–.02 46.65E–.02 2–9 3.8b 80 0-49
AZER VIII 26 13 08 35.2–.02 38.32N 46.56E 13–0 3.9L **¶601766503**
TEH VIII 26 13 08 35.6 38.42N 46.66E 4 3.8L
IDC VIII 26 13 08 35.3–1.2 38.32N 46.65E 0 3.9,3.7
THR VIII 26 13 08 36.3–.37 38.46N 46.68E 18–6 3.7L,3.7
ISC Event type ke.
AZER Error ellipse: s-maj=3.4km s-min=1.2km az=37.0.
IDC Error ellipse: s-maj=23.7km s-min=12.5km az=25.0.
THR Error ellipse: s-maj=5.2km s-min=2.7km az=-1.0.
ISC VIII 26 18 15 30.9–1.1 38.29N–.03 46.80E–.02 5–10 55 0-4
AZER VIII 26 18 15 29.8–1.0 38.40N 46.88E 10–0 3.4L **¶604084545**
TEH VIII 26 18 15 31.6 38.44N 46.87E 8 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=2.3km s-min=0.4km az=7.0.
ISC VIII 28 17 46 31.3–.95 38.46N–.03 46.73E–.02 13–9 58 0-4
AZER VIII 28 17 46 28.3–.22 38.45N 46.74E 10–8 3.4L **¶602995878**
TEH VIII 28 17 46 31.1 38.43N 46.74E 13 3.3L
DDA VIII 28 17 46 35.7 38.54N 46.44E 4 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=14.1km s-min=1.7km az=13.0.
DDA Event type ke.
ISC VIII 28 17 58 52.3–1.1 38.46N–.02 46.66E–.02 2–9 3.9b 89 0-49
AZER VIII 28 17 58 51.0–.39 38.40N 46.54E 25–46 3.8L **¶601755528**
TEH VIII 28 17 58 51.9 38.41N 46.65E 4 3.6L
IDC VIII 28 17 58 52.2–1.8 38.43N 46.66E 0 4.0b,4.0
DDA VIII 28 17 59 00.1 38.57N 46.01E 6 3.2L,4.0
ISC Event type ke.
AZER Error ellipse: s-maj=29.6km s-min=7.6km az=30.0.
IDC Error ellipse: s-maj=33.8km s-min=13.4km az=26.0.
DDA Event type ke.
ISC VIII 29 11 46 27.7–1.1 38.45N–.02 46.65E–.02 3–9 3.6b,2.9s 91 0-64
AZER VIII 29 11 46 25.0–.65 38.50N 46.65E 3–37 4.1L,2.9s **¶601755555**
TEH VIII 29 11 46 27.4 38.42N 46.65E 6 3.9L,2.9s
THR VIII 29 11 46 27.7–.39 38.43N 46.63E 14–11 3.7L,2.9s
IDC VIII 29 11 46 29.5–1.7 38.61N 46.71E 0 3.9,3.8
DDA VIII 29 11 46 36.1 38.50N 45.95E 7 3.4L,3.8
ISC Event type ke.
AZER Error ellipse: s-maj=28.5km s-min=5.4km az=18.0.
THR Error ellipse: s-maj=4.9km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=12.9km az=6.0.
DDA Event type ke.
ISC VIII 30 20 50 14.2–1.0 38.35N–.03 46.66E–.02 24–11 84 0-15
AZER VIII 30 20 50 12.4–1.1 38.20N 46.52E 0 3.8L **¶601712314**
TEH VIII 30 20 50 13.5 38.43N 46.65E 8 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=8.6km s-min=4.5km az=22.0.
ISC VIII 31 08 34 03.6–.93 38.43N–.02 46.70E–.02 13–7 4.0b 121 0-77
AZER VIII 31 08 34 01.4–1.4 38.46N 46.69E 6–0 3.9L **¶601664263**

IDC VIII 31 08 34 02.1–1.2 38.33N 46.76E 0 4.0,3.9
THR VIII 31 08 34 03.1–.38 38.41N 46.69E 14–6 3.9L,3.9
TEH VIII 31 08 34 03.2 38.41N 46.70E 12 3.8L,3.9
NEIC VIII 31 08 34 03.0–.00 38.41N 46.71E 11 4.2b,4.0
NNC VIII 31 08 34 07.5–7.0 38.96N 47.04E 0 4.2b,4.1
ISC Event type se.
AZER Error ellipse: s-maj=2.0km s-min=0.7km az=16.0.
IDC Error ellipse: s-maj=23.0km s-min=11.7km az=11.0.
THR Error ellipse: s-maj=3.9km s-min=1.6km az=-1.0.
NEIC Event type se. After TEH.
NNC Event type se. Error ellipse: s-maj=62.5km s-min=30.8km az=59.0.
ISC VIII 31 20 35 56.9–1.2 38.45N–.03 46.67E–.02 1–10 3.6b 79 0-49
AZER VIII 31 20 35 53.8–.00 38.44N 46.67E 5–4 3.7L **¶601755800**
TEH VIII 31 20 35 56.5 38.43N 46.68E 4 3.5L
IDC VIII 31 20 35 57.9–1.5 38.50N 46.76E 0 3.7,3.5
ISC Event type ke.
AZER Error ellipse: s-maj=8.7km s-min=2.9km az=23.0.
IDC Error ellipse: s-maj=31.1km s-min=14.0km az=20.0.
ISC VIII 31 20 41 08.8–1.2 38.38N–.03 46.68E–.02 3–11 57 0-5
TEH VIII 31 20 41 06.9 38.41N 46.72E 13 3.2L **¶604084552**
AZER VIII 31 20 41 07.0–.36 38.47N 46.70E 4–16 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=16.6km s-min=3.6km az=16.0.
ISC IX 01 05 04 03.2–1.2 38.34N–.03 46.72E–.02 1–10 74 0-15
AZER IX 01 05 04 01.9–.24 38.45N 46.72E 9–0 3.8L **¶601717324**
TEH IX 01 05 04 03.6 38.42N 46.77E 6 3.5L
THR IX 01 05 04 03.3–.35 38.38N 46.75E 14–6 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=5.0km s-min=1.0km az=20.0.
THR Error ellipse: s-maj=4.7km s-min=2.5km az=-1.0.
ISC IX 01 06 20 20.8–1.1 38.42N–.04 46.72E–.03 10–10 33 0-3
AZER IX 01 06 20 19.7–.12 38.46N 46.72E 15–9 3.0L **¶604084554**
TEH IX 01 06 20 20.4 38.43N 46.75E 16 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=13.3km s-min=3.2km az=23.0.
ISC IX 02 02 53 47.2–1.0 38.44N–.03 46.82E–.02 13–11 49 0-4
AZER IX 02 02 53 44.6–.05 38.43N 46.83E 8–2 3.5L **¶604084556**
TEH IX 02 02 53 47.1 38.41N 46.86E 14 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=5.9km s-min=1.4km az=20.0.
ISC IX 02 08 50 13.2–.85 38.48N–.02 46.82E–.02 11–5 4.3b,3.6s 275 0-78
ISN IX 02 08 50 06.0–.61 38.77N 46.91E 0–27 4.4L,3.6s **¶601670446**
AZER IX 02 08 50 10.1–.04 38.40N 46.85E 10–0 4.5L,3.6s
NEIC IX 02 08 50 11.0–.00 38.41N 46.76E 10 4.4b,4.3
TEH IX 02 08 50 11.0 38.45N 46.76E 4 4.2L,4.3
THR IX 02 08 50 11.2–.50 38.46N 46.75E 14–8 4.2L,4.3
IDC IX 02 08 50 11.5–.56 38.51N 46.86E 0 4.1,4.1b
MOS IX 02 08 50 11.8–1.1 38.56N 46.93E 8 4.4b,4.1b
ISCJB IX 02 08 50 11.1–.42 38.28N–.02 46.74E–.02 11–3 4.2b,3.6s
DDA IX 02 08 51 16.1 38.18N 46.85E 10 3.5L,3.6s
ISC Event type fe.
ISN Error ellipse: s-maj=30.2km s-min=23.5km az=-1.0.
AZER Error ellipse: s-maj=2.1km s-min=0.8km az=2.0.
NEIC Event type fe. Felt at Tabriz. After TEH.
THR Error ellipse: s-maj=6.8km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=10.6km s-min=8.4km az=16.0.
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=9.9.
DDA Event type ke.
ISC IX 02 09 03 16.6–1.1 38.44N–.03 46.74E–.02 5–11 57 0-4
TEH IX 02 09 03 16.4 38.42N 46.76E 11 3.4L **¶604084558**
AZER IX 02 09 03 16.4–.06 38.45N 46.66E 10–0 3.6L
THR IX 02 09 03 16.7–.34 38.45N 46.74E 14–5 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=2.1km s-min=0.9km az=21.0.
THR Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.
ISC IX 02 11 11 50.3–1.2 38.33N–.04 46.61E–.02 7–12 31 0-2
TEH IX 02 11 11 50.7 38.40N 46.65E 13 3.1L **¶604084559**
AZER IX 02 11 11 50.1–.00 38.48N 46.65E 9–0 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=4.4km s-min=0.9km az=18.0.
ISC IX 03 22 43 01.3–1.1 38.46N–.02 46.67E–.02 1–12 82 0-6
AZER IX 03 22 42 59.0–.82 38.42N 46.65E 10 3.6L **¶602996539**
TEH IX 03 22 43 01.0 38.43N 46.67E 6 3.4L
DDA IX 03 22 43 13.3 38.40N 45.69E 22 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=2.1km s-min=0.6km az=13.0.
DDA Event type ke.
ISC IX 05 09 33 46.7–1.1 38.47N–.02 46.73E–.01 1–8 4.2b 213 0-62
AZER IX 05 09 33 43.8–.04 38.46N 46.67E 6–0 4.2L **¶601675408**
ISN IX 05 09 33 44.7–1.3 38.60N 46.87E 0–74 3.9L
NEIC IX 05 09 33 45.8–.00 38.41N 46.70E 5 4.1b,3.9
TEH IX 05 09 33 45.6 38.45N 46.70E 6 3.9L,3.9
IDC IX 05 09 33 46.4–1.1 38.43N 46.82E 0 4.1,4.0
MOS IX 05 09 33 46.0–1.8 38.35N 46.90E 10 4.2b,4.0
THR IX 05 09 33 46.7–.43 38.52N 46.73E 18–6 3.8L,4.0
DDA IX 05 09 33 54.6 38.36N 46.14E 24 3.5L,4.0
ISC Event type ke.
AZER Error ellipse: s-maj=2.4km s-min=0.8km az=7.0.
ISN Error ellipse: s-maj=77.7km s-min=46.0km az=-1.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=23.4km s-min=10.0km az=12.0.
MOS Error ellipse: s-maj=8.9km s-min=5.7km az=108.5.
THR Error ellipse: s-maj=6.1km s-min=3.1km az=-1.0.
DDA Event type ke.
ISC IX 06 03 09 31.3–.65 38.46N–.02 46.65E–.02 10 4.0b 77 0-49
ISN IX 06 03 09 24.4–.32 38.60N 46.69E 2–12 3.5L **¶601863023**
AZER IX 06 03 09 27.9–.46 38.53N 46.68E 5–8 3.8L
TEH IX 06 03 09 29.8 38.40N 46.66E 4 3.6L
IDC IX 06 03 09 30.6–1.4 38.41N 46.60E 0 4.1,4.0
ISCJB IX 06 03 09 31.6–.30 38.40N–.02 46.67E–.03 10 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 06 05 53 25.6–1.3 38.29N–.04 46.66E–.02 0–11 54 0-5
AZER IX 06 05 53 22.9–.67 38.34N 46.61E 6–14 3.5L **¶604084567**
TEH IX 06 05 53 26.0 38.43N 46.70E 8 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=25.7km s-min=5.4km az=25.0.
ISC IX 07 12 46 22.7–1.2 38.27N–.03 46.69E–.02 3–11 34 0-3
AZER IX 07 12 46 21.5–.11 38.46N 46.72E 6–0 3.1L **¶604084570**
TEH IX 07 12 46 24.2 38.39N 46.70E 10 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=2.8km s-min=0.6km az=18.0.
ISC IX 08 06 52 31.0–1.1 38.40N–.03 46.66E–.02 8–12 35 0-3
AZER IX 08 06 52 28.1–.23 38.30N 46.61E 10–1 3.3L **¶604084572**
TEH IX 08 06 52 30.5 38.40N 46.69E 4 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=7.3km s-min=2.5km az=25.0.
ISC IX 08 20 35 43.7–1.1 38.47N–.02 46.81E–.02 1–9 3.7b 142 0-30
AZER IX 08 20 35 41.0–.17 38.36N 46.75E 10–1 3.9L **¶601863187**
ISN IX 08 20 35 40.6–.67 38.49N 47.02E 0–29 3.9L
TEH IX 08 20 35 44.2 38.40N 46.82E 6 3.6L
THR IX 08 20 35 44.1–.33 38.44N 46.82E 14–5 3.5L
IDC IX 08 20 35 44.2–1.7 38.40N 46.85E 0 3.7,3.7
DDA IX 08 20 35 56.2 38.68N 45.95E 19 4.0L,3.7
ISC Event type ke.
AZER Error ellipse: s-maj=7.4km s-min=1.4km az=19.0.
ISN Error ellipse: s-maj=28.4km s-min=24.3km az=-1.0.
THR Error ellipse: s-maj=3.3km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=13.0km az=9.0.
DDA Event type ke.

ISC IX 09 10 08 19.7–1.1 38.34N–.03 46.77E–.02 9–9 39 0-3
AZER IX 09 10 08 18.0–.05 38.50N 46.85E 12–0 3.0L **¶604084573**
TEH IX 09 10 08 20.3 38.41N 46.84E 13 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=1.7km s-min=0.2km az=21.0.
ISC IX 09 13 50 17.1–1.1 38.47N–.03 46.67E–.02 4–11 33 0-2
TEH IX 09 13 50 17.4 38.39N 46.66E 10 3.0L **¶604084574**
AZER IX 09 13 50 17.4–.02 38.67N 46.77E 9–0 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=1.5km s-min=0.1km az=15.0.
ISC IX 10 08 55 51.2–1.1 38.49N–.02 46.74E–.02 3–8 3.9b 145 0-43
ISN IX 10 08 55 41.3–1.1 38.72N 46.75E 0–39 3.8L **¶601738026**
AZER IX 10 08 55 48.9–.43 38.54N 46.71E 10–3 4.0L
THR IX 10 08 55 50.9–.40 38.49N 46.72E 17–6 3.8L
TEH IX 10 08 55 50.1 38.42N 46.70E 4 3.8L
NEIC IX 10 08 55 50.0–.00 38.42N 46.70E 4 4.0b,3.8
IDC IX 10 08 55 51.0–1.8 38.50N 46.50E 0 4.0,4.0b
NNC IX 10 08 55 56.0–11 38.91N 46.72E 16–292 3.9b,4.0b
DDA IX 10 08 56 00.3 38.39N 45.97E 17 3.4,4.0b
ISC Event type ke.
ISN Error ellipse: s-maj=44.2km s-min=30.0km az=-1.0.
AZER Error ellipse: s-maj=15.4km s-min=4.1km az=17.0.
THR Error ellipse: s-maj=5.2km s-min=2.8km az=-1.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=28.2km s-min=15.9km az=0.0.
NNC Event type se. Error ellipse: s-maj=396.7km s-min=61.8km az=74.0.
DDA Event type ke.
ISC IX 11 10 30 34.2–1.1 38.42N–.03 46.62E–.02 6–11 43 0-4
AZER IX 11 10 30 32.9–.01 38.39N 46.51E 12 3.5L **¶604084577**
TEH IX 11 10 30 33.9 38.41N 46.64E 4 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=2.1km s-min=0.2km az=231.0.
ISC IX 13 19 45 17.9–1.3 38.28N–.03 46.66E–.03 0–11 68 0-4
AZER IX 13 19 45 16.7–1.9 38.11N 46.45E 15 3.7L **¶602029807**
ISN IX 13 19 45 18.0–1.6 38.27N 46.72E 0–92 3.2L
TEH IX 13 19 45 20.1 38.43N 46.68E 4 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=3.1km s-min=2.0km az=18.0.
ISN Error ellipse: s-maj=86.3km s-min=75.1km az=-1.0.
ISC IX 14 02 19 37.2–1.1 38.30N–.02 46.61E–.02 4–8 3.5b 144 0-28
AZER IX 14 02 19 36.0–1.5 38.43N 46.63E 10 3.7L **¶601751664**
ISN IX 14 02 19 37.4–1.7 38.26N 46.71E 0–91 3.6L
TEH IX 14 02 19 37.8 38.47N 46.66E 7 3.5L
THR IX 14 02 19 38.3–.85 38.49N 46.64E 15–7 3.5L
IDC IX 14 02 19 39.4–1.3 38.51N 46.69E 0 3.7,3.6
NNC IX 14 02 19 47.4–3.8 38.97N 47.14E 0 4.0b,3.9
ISC Event type se.
AZER Error ellipse: s-maj=2.8km s-min=0.5km az=22.0.
ISN Error ellipse: s-maj=85.3km s-min=74.2km az=-1.0.
THR Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=11.6km az=179.0.
NNC Event type se. Error ellipse: s-maj=34.8km s-min=17.2km az=62.0.
ISC IX 14 14 17 25.6–1.6 39.44N–.05 44.73E–.05 8–11 22 1-2
DDA IX 14 14 17 23.9 39.51N 44.82E 7 2.6L **¶603000305**
NSSP IX 14 14 17 26.3 39.60N 44.52E 8 3.0s
ISC Event type ke.
DDA Event type ke.
ISC IX 17 07 05 49.2–.98 38.49N–.02 46.69E–.01 3–6 4.2b,3.3s 255 0-77
AZER IX 17 07 05 44.7–.07 38.32N 46.58E 10–0 4.6L,3.3s **¶601719520**
NEIC IX 17 07 05 47.0–.00 38.46N 46.68E 4 4.4b,4.1
TEH IX 17 07 05 47.3 38.46N 46.68E 4 4.1L,4.1
THR IX 17 07 05 48.0–.36 38.48N 46.69E 18–5 4.1L,4.1
IDC IX 17 07 05 48.1–1.0 38.34N 46.67E 0 4.1,4.0
MOS IX 17 07 05 53.5–2.6 38.53N 46.75E 33 4.3b,4.0
NNC IX 17 07 05 53.9–7.5 38.90N 47.25E 0 4.7,4.7b
DDA IX 17 07 06 28.4 38.37N 46.04E 11 3.3L,4.7b
ISC Event type ke.
AZER Error ellipse: s-maj=2.8km s-min=0.7km az=25.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.0km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=12.0km az=7.0.
MOS Error ellipse: s-maj=8.2km s-min=4.8km az=116.4.
NNC Event type se. Error ellipse: s-maj=67.2km s-min=32.8km az=58.0.
DDA Event type ke.
ISC IX 17 21 19 34.2–1.1 38.42N–.03 46.76E–.02 7–10 55 0-4
AZER IX 17 21 19 32.1–.02 38.37N 46.71E 10–0 3.0L **¶604084586**
TEH IX 17 21 19 33.8 38.42N 46.77E 7 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=3.2km s-min=0.4km az=16.0.
ISC IX 22 04 50 36.8–.00 38.44N–.02 46.71E–.01 5–7 4.2b 219 0-93
AZER IX 22 04 50 33.3–.05 38.34N 46.57E 10–0 4.3L **¶601736494**
IDC IX 22 04 50 34.8–.99 38.01N 46.67E 0 4.0,3.9
NEIC IX 22 04 50 35.7–.00 38.41N 46.68E 4 4.3b,3.9
TEH IX 22 04 50 35.7 38.41N 46.68E 4 3.9L,3.9
THR IX 22 04 50 36.0–.48 38.46N 46.68E 14–8 3.8L,3.9
MOS IX 22 04 50 36.0–3.3 38.08N 47.12E 10 4.3b,3.9
DDA IX 22 04 50 48.6 38.40N 45.68E 24 3.7L,3.9
ISC Event type ke.
AZER Error ellipse: s-maj=2.5km s-min=0.7km az=32.0.
IDC Error ellipse: s-maj=23.9km s-min=12.7km az=5.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=6.8km s-min=3.5km az=-1.0.
MOS Error ellipse: s-maj=10.4km s-min=5.9km az=110.2.
DDA Event type ke.
ISC IX 23 05 40 56.5–.59 38.46N–.02 46.69E–.02 12–3 4.3b,3.2s 308 0-80
AZER IX 23 05 40 52.9–.01 38.42N 46.58E 10–0 4.1L,3.2s **¶601737037**
NEIC IX 23 05 40 53.0–.00 38.41N 46.68E 18 4.3b,4.0
THR IX 23 05 40 54.6–.34 38.51N 46.67E 15–5 3.9L,4.0
IDC IX 23 05 40 54.6–.74 38.36N 46.63E 0 4.1,4.1b
TEH IX 23 05 40 54.4 38.38N 46.64E 4 3.9L,4.1b
MOS IX 23 05 40 56.2–1.4 38.59N 46.80E 9 4.4b,4.1b
NNC IX 23 05 41 00.8–8.4 39.18N 46.93E 0 3.9b,4.1b
DDA IX 23 05 41 04.0 38.38N 45.84E 7 4.5L,4.1b
ISC Event type ke.
AZER Error ellipse: s-maj=2.6km s-min=0.6km az=21.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=10.9km az=17.0.
MOS Error ellipse: s-maj=8.3km s-min=5.3km az=130.9.
NNC Event type se. Error ellipse: s-maj=248.8km s-min=46.9km az=110.0.
DDA Event type ke.
ISC IX 23 19 25 25.1–.69 38.36N–.02 46.67E–.02 1–5 4.0b 179 0-49
AZER IX 23 19 25 18.4–3.6 38.20N 46.60E 4 4.1L **¶601738709**
DDA IX 23 19 25 21.6 38.08N 47.04E 5 3.5L
IDC IX 23 19 25 24.8–1.1 38.21N 46.63E 0 4.0b,4.0
TEH IX 23 19 25 24.4 38.42N 46.63E 4 3.8L,4.0
MOS IX 23 19 25 24.8–2.3 38.19N 46.88E 10 4.1b,4.0
THR IX 23 19 25 25.1–.31 38.47N 46.65E 17–5 3.6L,4.0
NNC IX 23 19 25 29.0–4.9 39.26N 46.33E 0 4.1b,4.0
ISC Event type ke.
AZER Error ellipse: s-maj=4.3km s-min=1.2km az=14.0.
DDA Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=13.0km az=11.0.
MOS Error ellipse: s-maj=11.9km s-min=6.1km az=113.1.
THR Error ellipse: s-maj=3.9km s-min=2.2km az=-1.0.
NNC Event type se. Error ellipse: s-maj=153.3km s-min=27.8km az=113.0.
ISC IX 23 19 36 11.3–1.1 38.41N–.02 46.66E–.02 6–10 85 0-5
AZER IX 23 19 36 09.6–.10 38.48N 46.62E 2–0 3.4L **¶603000660**
TEH IX 23 19 36 10.8 38.41N 46.63E 4 3.3L
DDA IX 23 19 36 19.9 38.38N 45.84E 1 2.9L
ISC Event type ke.

AZER Error ellipse: s-maj=4.6km s-min=1.0km az=25.0.
DDA Event type ke.
ISC IX 26 03 06 32.5–.98 38.38N–.04 46.70E–.03 10 18 0-4
TEH IX 26 03 06 32.6 38.40N 46.70E 4 3.0L **¶606510608**
ISC Event type ke.
ISC IX 27 00 56 04.1–.61 38.53N–.02 46.71E–.02 12–4 4.4b 483 0-86
AZER IX 27 00 55 58.6–.01 38.33N 46.51E 15–0 4.9L **¶601741089**
TEH IX 27 00 56 00.7 38.42N 46.63E 4 4.5L
MOS IX 27 00 56 01.6–1.6 38.18N 46.74E 13 4.5b
NEIC IX 27 00 56 01.8–.00 38.47N 46.64E 18 4.5,4.5b
THR IX 27 00 56 01.8–.35 38.47N 46.64E 18–5 4.3L,4.5b
IDC IX 27 00 56 02.7–.91 38.60N 46.67E 0 4.3,4.2
ISCJB IX 27 00 56 04.5–.41 38.39N–.02 46.76E–.02 22–3 4.4b,4.4s
NNC IX 27 00 56 12.9–6.6 39.21N 47.48E 0 5.1,4.9b
DDA IX 27 00 56 49.7 38.25N 46.60E 11 4.2L,4.9b
ISC Event type ke.
AZER Error ellipse: s-maj=0.9km s-min=0.3km az=36.0.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=118.9.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.9km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=10.0km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=27.8.
NNC Event type se. Error ellipse: s-maj=51.5km s-min=37.1km az=78.0.
DDA Event type ke.
ISC IX 30 12 23 43.6–1.2 38.44N–.03 46.83E–.02 0–11 47 0-4
AZER IX 30 12 23 40.6–.80 38.39N 46.81E 10–20 3.1L **¶604084605**
TEH IX 30 12 23 43.1 38.40N 46.85E 4 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=21.0km s-min=5.1km az=18.0.
ISC X 01 16 22 26.9–1.1 38.34N–.03 46.64E–.02 10–10 51 0-5
AZER X 01 16 22 25.4–.02 38.33N 46.64E 9 3.4L **¶604084607**
TEH X 01 16 22 27.3 38.41N 46.67E 4 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=1.0km s-min=0.3km az=14.0.
ISC X 06 16 35 32.5–.96 38.37N–.03 46.72E–.03 10 17 0-4
TEH X 06 16 35 32.3 38.41N 46.70E 4 3.1L **¶606583118**
ISC Event type ke.
ISC X 07 05 00 02.2–1.1 38.39N–.03 46.61E–.02 6–12 37 0-4
AZER X 07 04 59 59.8–.00 38.37N 46.60E 7–1 3.2L **¶604084627**
TEH X 07 05 00 01.8 38.40N 46.65E 4 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=6.1km s-min=1.0km az=22.0.
ISC X 08 08 25 56.6–.84 38.43N–.02 46.64E–.02 9–5 4.3b 300 0-78
AZER X 08 08 25 51.9–.06 38.42N 46.60E 8–9 4.3L **¶601794924**
IDC X 08 08 25 53.9–.91 38.27N 46.52E 0 4.1,4.1b
BJI X 08 08 25 53.6 38.32N 46.48E 13 4.9b,4.7b
MOS X 08 08 25 54.4–1.2 38.30N 46.67E 9 4.4b,4.7b
THR X 08 08 25 54.3–.72 38.42N 46.61E 14–8 4.1L,4.7b
NEIC X 08 08 25 54.3–.00 38.42N 46.61E 14 4.3b,4.1L
TEH X 08 08 25 54.0 38.44N 46.62E 4 4.1L,4.1L
NNC X 08 08 26 02.2–3.8 38.92N 47.03E 0 4.4,4.2b
DDA X 08 08 26 35.4 38.41N 46.20E 8 3.8L,4.2b
ISC Event type ke.
AZER Error ellipse: s-maj=13.2km s-min=2.8km az=22.0.
IDC Error ellipse: s-maj=20.5km s-min=11.1km az=11.0.
MOS Error ellipse: s-maj=8.1km s-min=4.7km az=103.6.
THR Error ellipse: s-maj=3.1km s-min=2.4km az=-1.0.
NEIC Event type se. After THR.
NNC Event type se. Error ellipse: s-maj=48.7km s-min=22.2km az=33.0.
DDA Event type ke.
ISC X 09 02 09 41.7–1.1 38.50N–.02 46.78E–.02 2–11 58 0-4
AZER X 09 02 09 38.7–.06 38.50N 46.77E 1–0 3.1L **¶603001360**
TEH X 09 02 09 41.4 38.45N 46.81E 8 3.2L
DDA X 09 02 09 43.2 38.52N 46.64E 5 3.2
ISC Event type ke.
AZER Error ellipse: s-maj=2.1km s-min=0.6km az=12.0.
DDA Event type ke.
ISC X 09 12 43 48.5–1.1 38.44N–.03 46.80E–.03 10–10 35 0-4
AZER X 09 12 43 46.7–.11 38.47N 46.78E 10–0 3.0L **¶604084631**
TEH X 09 12 43 48.7 38.40N 46.79E 4 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=2.5km s-min=0.6km az=13.0.
AZER X 14 10 19 34.0–.00 38.71N 48.59E 11 3.2L
¶605528771
AZER Error ellipse: s-maj=0.5km s-min=0.3km az=33.0.
ISC X 16 04 15 30.1–1.0 38.45N–.02 46.91E–.01 2–7 4.4b 277 0-74
DDA X 16 04 15 21.7 38.33N 47.64E 5 4.4L **¶601835768**
ISN X 16 04 15 24.1–1.3 38.67N 46.87E 0–50 4.5L
IDC X 16 04 15 27.6–1.2 38.10N 47.07E 0 4.0,3.9b
BJI X 16 04 15 28.4 37.89N 46.60E 26 4.9b,4.6b
AZER X 16 04 15 28.3–.22 38.34N 46.83E 16–8 4.5L,4.6b
THR X 16 04 15 30.2–.48 38.44N 46.89E 14–7 4.1L,4.6b
NEIC X 16 04 15 30.0–.00 38.44N 46.89E 14 4.4b,4.3
TEH X 16 04 15 30.4 38.47N 46.90E 5 4.2L,4.3
MOS X 16 04 15 32.0–1.5 38.23N 47.03E 33 4.3b,4.3
NNC X 16 04 15 51.1–2.2 39.54N 48.82E 0 4.6,4.2b
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=51.2km s-min=36.2km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=16.2km az=17.0.
AZER Error ellipse: s-maj=12.0km s-min=3.7km az=17.0.
THR Error ellipse: s-maj=4.7km s-min=1.8km az=-1.0.
NEIC Event type se. After THR.
MOS Error ellipse: s-maj=9.4km s-min=4.7km az=107.2.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=13.1km az=54.0.
ISC X 17 12 32 16.7–1.1 38.38N–.03 46.59E–.03 15–10 43 0-5
AZER X 17 12 32 15.8–.06 38.39N 46.53E 10–0 3.4L **¶604084646**
TEH X 17 12 32 17.6 38.39N 46.63E 4 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=2.4km s-min=0.8km az=32.0.
ISC X 17 17 49 21.3–1.1 38.38N–.03 46.69E–.02 14–11 62 0-4
AZER X 17 17 49 19.0–2.5 38.37N 46.63E 5–0 3.5L **¶604084647**
TEH X 17 17 49 22.0 38.40N 46.66E 4 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=3.3km s-min=1.7km az=18.0.
ISC X 18 22 42 11.8–1.2 38.37N–.03 46.67E–.02 6–11 51 0-4
AZER X 18 22 42 10.6–.00 38.35N 46.63E 9–0 3.0L **¶604084648**
TEH X 18 22 42 12.3 38.40N 46.69E 4 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=3.9km s-min=0.7km az=22.0.
ISK X 19 00 36 01.9 39.42N 44.11E 20–2 1.6L
¶602079999
ISK Event type ke.
ISC X 20 03 41 55.3–1.1 38.48N–.02 46.66E–.02 2–11 125 0-5
ISN X 20 03 41 47.2–1.3 38.56N 46.72E 0–131 3.6L **¶601999004**
AZER X 20 03 41 53.9–.07 38.44N 46.63E 10–1 3.7L
TEH X 20 03 41 54.6 38.41N 46.63E 4 3.5L
DDA X 20 03 42 05.5 38.39N 45.78E 3 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=130.0km s-min=130.8km az=-1.0.
AZER Error ellipse: s-maj=5.5km s-min=0.9km az=18.0.
DDA Event type ke.
ISC X 20 21 33 52.8–1.2 38.40N–.03 46.56E–.02 8–12 58 0-4
AZER X 20 21 33 50.8–.09 38.35N 46.52E 10–0 3.2L **¶604084649**
TEH X 20 21 33 53.5 38.45N 46.59E 8 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=4.0km s-min=1.0km az=34.0.
ISC X 26 01 42 05.0–1.2 38.39N–.03 46.72E–.02 2–11 62 0-5
AZER X 26 01 42 02.7–.05 38.30N 46.62E 9–0 3.1L **¶604770423**
TEH X 26 01 42 04.7 38.38N 46.72E 6 3.0L
ISC Event type ke.

AZER Error ellipse: s-maj=4.0km s-min=0.9km az=25.0.
ISC X 26 22 31 17.8–.69 38.48N–.02 46.67E–.02 12–4 4.5b 504 0-102
AZER X 26 22 31 13.6–.02 38.30N 46.64E 10 4.7L **¶601851728**
IDC X 26 22 31 15.1–.62 38.27N 46.67E 0 4.3,4.3b
MOS X 26 22 31 16.6–1.3 38.31N 46.85E 13 4.6b,4.3b
TEH X 26 22 31 16.6 38.46N 46.65E 10 4.3L,4.3b
THR X 26 22 31 16.3–.34 38.48N 46.65E 17–5 4.2L,4.3b
NEIC X 26 22 31 17.4–.32 38.26N 46.80E 10 4.5W,4.5b
ISCJB X 26 22 31 17.9–.48 38.37N–.02 46.74E–.02 15–3 4.5b,3.5s
DSN X 26 22 31 19.2–.47 38.08N 46.40E 10 4.6b,3.5s
NNC X 26 22 31 22.7–5.8 38.92N 47.26E 0 4.8,4.6b
ISC Event type se.
AZER Error ellipse: s-maj=1.1km s-min=0.2km az=18.0.
IDC Error ellipse: s-maj=16.2km s-min=8.9km az=4.0.
MOS Error ellipse: s-maj=6.0km s-min=3.8km az=117.8.
THR Error ellipse: s-maj=3.7km s-min=1.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=187.0. Moment Tensor Solution. s10 Moment tensor: Scale 10^{15}Nm; M_{rr}0.68 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$1.22 $M_{r\theta}$-1.13 $M_{\theta\phi}$-5.56 $M_{\phi r}$2.74 Best double couple: NP1:ϕ_s275.00000°,δ67.00000°,λ166.00000°. NP2:ϕ_s10.00000°,δ78.00000°,λ23.00000°. Principal axes: T 6.7900,Plg25.0000°,Azm234.0000°; N -0.5800,Plg64.0000°,Azm37.0000°; P -6.2100,Plg7.0000°,Azm141.0000° $M_0$6.50000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=20.9.
DSN Error ellipse: s-maj=12.8km s-min=5.2km az=65.0.
NNC Event type se. Error ellipse: s-maj=74.5km s-min=45.9km az=37.0.
ISC X 27 03 56 43.2–.74 38.46N–.02 46.66E–.02 8–4 4.2b,3.4s 155 0-78
AZER X 27 03 56 39.7–.03 38.36N 46.50E 14–0 4.2L,3.4s **¶601852898**
TEH X 27 03 56 41.5 38.40N 46.65E 4 4.0L,3.4s
NEIC X 27 03 56 41.6–.00 38.40N 46.65E 10 4.2b,4.1
IDC X 27 03 56 42.0–.99 38.22N 46.66E 0 4.0b,4.0
THR X 27 03 56 42.3–.34 38.49N 46.66E 17–5 3.8L,4.0
NNC X 27 03 56 45.6–4.1 38.89N 47.01E 0 4.4b,4.2
ISC Event type se.
AZER Error ellipse: s-maj=2.7km s-min=0.5km az=33.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=24.4km s-min=11.7km az=5.0.
THR Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0.
NNC Event type se. Error ellipse: s-maj=36.7km s-min=18.3km az=59.0.
ISC X 27 04 23 50.7–1.0 38.48N–.03 46.65E–.02 10–8 66 0-49
AZER X 27 04 23 47.2–2.1 38.36N 46.51E 17 3.9L **¶601883224**
TEH X 27 04 23 49.3 38.43N 46.64E 4 3.6L
IDC X 27 04 23 50.0–1.0 38.45N 46.59E 0 3.8,3.6
THR X 27 04 23 50.0–.40 38.48N 46.65E 18–6 3.5L,3.6
NNC X 27 04 23 53.9–4.2 38.91N 47.01E 0 4.1b,3.9
ISC Event type se.
AZER Error ellipse: s-maj=3.3km s-min=1.2km az=21.0.
IDC Error ellipse: s-maj=18.4km s-min=10.3km az=18.0.
THR Error ellipse: s-maj=5.8km s-min=3.0km az=-1.0.
NNC Event type se. Error ellipse: s-maj=37.7km s-min=18.7km az=59.0.
ISC X 30 22 05 17.8–2.0 39.08N–.07 45.62E–.08 25–17 21 1-3
¶606965017
ISC Event type ke.
ISC XI 06 13 13 04.6–1.1 38.37N–.03 46.63E–.02 15–10 71 0-9
AZER XI 06 13 13 03.9–.07 38.44N 46.61E 10–0 3.8L **¶604084679**
TEH XI 06 13 13 05.4 38.40N 46.61E 4 3.6L
THR XI 06 13 13 06.1–.42 38.47N 46.62E 18–6 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=6.0km s-min=0.5km az=18.0.
THR Error ellipse: s-maj=4.7km s-min=1.9km az=-1.0.
ISC XI 07 06 26 32.3–.41 38.48N–.02 46.62E–.01 6–2 5.5s,5.3b 1519 0-165
ISN XI 07 06 26 26.8–.94 38.63N 46.61E 0–36 5.4L,5.3b **¶601876350**
AZER XI 07 06 26 28.0–.05 38.35N 46.45E 12–1 6.0L,5.2b
ISCJB XI 07 06 26 30.2–.31 38.38N–.01 46.57E–.01 3–2 5.4s,5.3b
IDC XI 07 06 26 30.7–.42 38.42N 46.62E 0 5.3,5.3s
THR XI 07 06 26 30.6–.76 38.48N 46.57E 14–5 5.6s,5.0L
MOS XI 07 06 26 31.5–1.5 38.41N 46.58E 14 5.4b,5.3s
TEH XI 07 06 26 31.2 38.46N 46.57E 10 5.4L,5.3s
BJI XI 07 06 26 31.0 38.50N 46.60E 10 5.7s,5.5b
DSN XI 07 06 26 32.9–.43 38.26N 46.56E 10 5.7s,5.5b
NEIC XI 07 06 26 32.8–.16 38.42N 46.62E 10 5.4W,5.4s
DDA XI 07 06 26 32.1 38.48N 46.50E 7 5.2L,5.4s
GII XI 07 06 26 32.5–.00 38.58N 46.67E 10 5.2L,5.4s
GCMT XI 07 06 26 32.8–.10 38.40N–.01 46.61E–.01 15 5.6W,5.4s
NNC XI 07 06 26 33.7–3.4 38.89N 46.66E 0 5.5b,5.4s
ISC Event type fe.
ISN Error ellipse: s-maj=37.2km s-min=24.7km az=-1.0.
AZER Error ellipse: s-maj=5.8km s-min=1.6km az=229.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=17.3.
IDC Error ellipse: s-maj=10.3km s-min=7.1km az=25.0.
THR Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=3.8km s-min=2.5km az=123.7.
DSN Error ellipse: s-maj=11.1km s-min=5.1km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=184.0. Felt [IV] at Tabriz. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.61 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.32 $M_{\phi r}$-0.57 Best double couple: NP1:ϕ_s90.00000°,δ64.00000°,λ154.00000°. NP2:ϕ_s192.00000°,δ67.00000°,λ29.00000°. Principal axes: T 1.5400,Plg36.0000°,Azm52.0000°; N 0.1200,Plg54.0000°,Azm228.0000°; P -1.6600,Plg2.0000°,Azm321.0000° $M_0$1.60000×10^{17}
DDA Event type ke.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c176; s139,c348; Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.03 $M_{\theta\theta}$-0.46±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$0.27±.09; $M_{\theta\phi}$-2.73±.02; $M_{\phi r}$-0.25±.09; Best double couple: NP1:ϕ_s92.00000°,δ83.00000°,λ173.00000°. NP2:ϕ_s183.00000°,δ83.00000°,λ7.00000°. Principal axes: T 2.5710,Plg10.0000°,Azm47.0000°; N 0.4030,Plg80.0000°,Azm230.0000°; P -2.9730,Plg0.0000°,Azm137.0000° $M_0$2.77200×10^{17}
NNC Event type se. Error ellipse: s-maj=48.6km s-min=28.2km az=40.0.
ISC XI 07 06 32 23.9–1.3 38.40N–.04 46.54E–.03 7–12 25 0-3
AZER XI 07 06 32 20.4–.57 38.31N 46.48E 5 3.9L **¶604084680**
TEH XI 07 06 32 23.7 38.48N 46.58E 13 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=1.7km s-min=1.0km az=10.0.
ISC XI 07 06 33 51.2–1.1 38.43N–.04 46.56E–.03 11–11 25 0-3
AZER XI 07 06 33 48.9–10 38.55N 46.62E 5 3.3L **¶604084681**
TEH XI 07 06 33 50.6 38.46N 46.57E 6 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=7.3km s-min=0.7km az=24.0.
ISC XI 07 06 35 41.9–.94 38.42N–.04 46.56E–.03 10 19 0-2
AZER XI 07 06 35 40.1–21 38.49N 46.57E 2–2 3.1L **¶604084682**
TEH XI 07 06 35 41.7 38.45N 46.56E 4 3.0L
ISCJB XI 07 06 35 42.8–.49 38.35N–.04 46.48E–.04 10 3.0L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 07 06 44 36.0–1.2 38.40N–.03 46.49E–.02 4–12 57 0-3
AZER XI 07 06 44 33.8–.17 38.37N 46.49E 8–5 3.6L **¶604084683**
TEH XI 07 06 44 37.0 38.47N 46.59E 6 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=10.0km s-min=2.2km az=24.0.
ISC XI 07 06 57 17.8–.95 38.44N–.05 46.56E–.03 10 22 0-3
AZER XI 07 06 57 13.0–32 38.23N 46.37E 15 3.3L **¶604774884**
ISCJB XI 07 06 57 17.4–.65 38.38N–.05 46.50E–.04 10 3.3L
TEH XI 07 06 57 17.0 38.46N 46.59E 10 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=12.9km s-min=3.5km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.2km az=17.8.
ISC XI 07 07 02 11.1–.47 38.47N–.02 46.59E–.02 10 4.2b 161 0-94
ISN XI 07 07 02 05.0–1.1 38.38N 46.74E 0–46 4.4L **¶602054270**
AZER XI 07 07 02 05.2–1.3 38.44N 46.60E 3 4.4L
TEH XI 07 07 02 08.4 38.45N 46.59E 4 4.1L
MOS XI 07 07 02 09.8–1.5 38.08N 46.73E 13 4.4b

THR	XI	07 07 02 09.1–.58	38.49N	46.56E	14–7	3.7L		
IDC	XI	07 07 02 10.6–1.4	38.62N	46.61E	0	4.2,4.0		
NEIC	XI	07 07 02 10.5–.52	38.09N	46.61E	10	4.2b,3.9		
ISCJB	XI	07 07 02 10.2–.24	38.37N–.02	46.60E–.02	10	4.4b,3.9		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
ISC	**XI**	**07 07 32 20.0–1.1**	**38.42N–.03**	**46.59E–.02**	**5–12**		**31**	**0-3**
AZER	XI	07 07 32 19.7–.23	38.63N	46.62E	9–4	3.2L		**¶604084684**
TEH	XI	07 07 32 19.9	38.44N	46.61E	6	3.1L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=9.3km s-min=1.0km az=20.0.							
ISC	**XI**	**07 16 21 18.9–1.1**	**38.45N–.02**	**46.86E–.02**	**2–8**	**3.8b**	**167**	**0-49**
ISN	XI	07 16 21 14.4–1.0	38.57N	47.90E	1–50	3.9L		**¶601881285**
AZER	XI	07 16 21 15.6–.03	38.31N	46.74E	10–1	4.1L		
DDA	XI	07 16 21 16.2	38.59N	47.38E	8	3.6L		
TEH	XI	07 16 21 18.4	38.40N	46.85E	6	3.8L		
IDC	XI	07 16 21 18.9–1.2	38.37N	46.88E	0	3.8,3.7		
THR	XI	07 16 21 18.9–.34	38.46N	46.89E	16–5	3.8L,3.7		
NEIC	XI	07 16 21 20.1–2.6	38.11N	46.83E	10	4.1b,3.8L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=44.5km s-min=46.4km az=-1.0.							
AZER	Error ellipse: s-maj=6.0km s-min=1.0km az=19.0.							
DDA	Event type ke.							
IDC	Error ellipse: s-maj=18.7km s-min=13.5km az=9.0.							
THR	Error ellipse: s-maj=4.3km s-min=2.1km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=49.1km s-min=10.5km az=201.0.							
ISC	**XI**	**07 16 52 45.0–1.1**	**38.44N–.03**	**46.60E–.02**	**9–11**		**58**	**0-3**
AZER	XI	07 16 52 42.9–.09	38.43N	46.66E	8–0	3.5L		**¶602983447**
TEH	XI	07 16 52 44.8	38.42N	46.58E	17	3.3L		
DDA	XI	07 16 52 59.1	38.65N	45.26E	7	2.8L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=5.5km s-min=0.7km az=17.0.							
DDA	Event type ke.							
ISC	**XI**	**07 22 59 23.0–1.1**	**38.50N–.02**	**46.60E–.02**	**7–11**		**63**	**0-3**
AZER	XI	07 22 59 20.8–.09	38.47N	46.56E	5–0	3.1L		**¶602983455**
TEH	XI	07 22 59 22.3	38.44N	46.58E	6	3.1L		
DDA	XI	07 22 59 23.6	38.58N	46.58E	6	3.2		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.6km s-min=0.8km az=20.0.							
DDA	Event type ke.							
ISC	**XI**	**08 02 46 42.0–1.2**	**38.40N–.04**	**46.53E–.03**	**9–11**		**30**	**0-3**
AZER	XI	08 02 46 40.8–.13	38.45N	46.52E	10–1	3.1L		**¶604084688**
TEH	XI	08 02 46 42.3	38.46N	46.59E	4	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=7.1km s-min=1.5km az=34.0.							
ISC	**XI**	**08 09 45 05.1–1.0**	**38.53N–.02**	**46.63E–.01**	**7–7**	**4.3b,3.5s**	**315**	**0-96**
AZER	XI	08 09 44 59.7–.38	38.34N	46.47E	3	4.6L,3.5s		**¶601880507**
IDC	XI	08 09 45 02.6–.96	38.21N	46.60E	0	4.1,4.0		
THR	XI	08 09 45 02.8–.45	38.47N	46.56E	14–7	4.1L,4.0		
TEH	XI	08 09 45 03.7	38.41N	46.57E	10	4.2L,4.0		
NEIC	XI	08 09 45 04.8–.36	38.32N	46.66E	10	4.3b,4.2		
BJI	XI	08 09 45 05.5	38.40N	46.80E	10	4.9b,4.5b		
MOS	XI	08 09 45 05.2–1.6	38.46N	46.79E	13	4.3b,4.5b		
ISC	Event type se.							
AZER	Error ellipse: s-maj=1.4km s-min=0.7km az=9.0.							
IDC	Error ellipse: s-maj=24.0km s-min=10.8km az=7.0.							
THR	Error ellipse: s-maj=4.9km s-min=2.0km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=4.9km az=184.0.							
MOS	Error ellipse: s-maj=5.9km s-min=4.2km az=115.8.							
ISC	**XI**	**10 13 48 10.9–1.1**	**38.49N–.02**	**46.63E–.02**	**4–8**	**3.7b**	**111**	**0-49**
AZER	XI	10 13 48 07.1–.08	38.34N	46.50E	10–0	4.3L		**¶601883737**
TEH	XI	10 13 48 09.5	38.49N	46.62E	4	4.0L		
THR	XI	10 13 48 11.9–.59	38.49N	46.73E	14–7	3.9L		
IDC	XI	10 13 48 11.0–.91	38.58N	46.63E	0	3.9,3.7		
NNC	XI	10 13 48 15.6–4.0	39.08N	46.89E	0	4.2,4.0b		
ISC	Event type se.							
AZER	Error ellipse: s-maj=3.4km s-min=1.1km az=30.0.							
THR	Error ellipse: s-maj=2.6km s-min=6.7km az=-1.0.							
IDC	Error ellipse: s-maj=19.0km s-min=9.5km az=29.0.							
NNC	Event type se. Error ellipse: s-maj=42.8km s-min=24.8km az=62.0.							
ISC	**XI**	**11 04 02 26.9–1.0**	**38.47N–.02**	**46.60E–.02**	**11–9**		**78**	**0-14**
AZER	XI	11 04 02 21.7–.69	38.25N	46.48E	11	3.8L		**¶601991688**
DDA	XI	11 04 02 24.0	38.44N	46.87E	14	3.1L		
TEH	XI	11 04 02 25.5	38.49N	46.59E	4	3.5L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=1.9km s-min=1.0km az=25.0.							
DDA	Event type ke.							
ISC	**XI**	**11 12 49 23.1–1.3**	**38.47N–.03**	**46.54E–.03**	**3–12**		**39**	**0-4**
AZER	XI	11 12 49 22.2–24	38.47N	46.52E	9–2	3.2L		**¶604084692**
TEH	XI	11 12 49 23.9	38.51N	46.61E	4	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=8.8km s-min=1.3km az=27.0.							
ISC	**XI**	**11 13 53 17.8–.95**	**39.60N–.03**	**48.50E–.05**	**10**		**36**	**0-13**
ISCJB	XI	11 13 53 17.9–.38	39.57N–.03	48.52E–.05	10			**¶601991717**
TEH	XI	11 13 53 20.0	39.57N	48.44E	28	3.4L		
NNC	XI	11 13 53 25.4–7.9	40.20N	49.63E	0	3.7b,3.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=4.4km az=157.4.							
NNC	Event type se. Error ellipse: s-maj=76.4km s-min=28.1km az=64.0.							
ISC	**XI**	**12 12 10 18.5–.98**	**38.47N–.02**	**46.56E–.02**	**17–9**		**82**	**0-14**
AZER	XI	12 12 10 16.7–3.5	38.38N	46.42E	20	4.0L		**¶604084695**
TEH	XI	12 12 10 18.0	38.47N	46.54E	9	3.7L		
THR	XI	12 12 10 18.0–.51	38.51N	46.52E	14–9	3.7L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=4.3km s-min=1.1km az=34.0.							
THR	Error ellipse: s-maj=2.5km s-min=8.4km az=-1.0.							
ISC	**XI**	**13 16 56 03.0–1.2**	**38.38N–.03**	**46.51E–.02**	**6–10**		**75**	**0-6**
AZER	XI	13 16 56 03.1–.08	38.33N	46.40E	13–1	3.9L		**¶604084696**
TEH	XI	13 16 56 03.3	38.46N	46.58E	6	3.6L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=6.1km s-min=1.8km az=38.0.							
ISC	**XI**	**14 10 17 31.9–1.1**	**39.07N–.02**	**44.31E–.02**	**8–10**		**89**	**0-4**
NSSP	XI	14 10 17 29.9	39.10N	44.28E	10	3.4s		**¶602081526**
AZER	XI	14 10 17 30.0–2.4	39.01N	44.39E	5	3.5L		
ISK	XI	14 10 17 30.8	39.14N	44.27E	5–0	3.5L		
TEH	XI	14 10 17 31.5	39.12N	44.30E	6	3.4L		
DDA	XI	14 10 17 31.8	39.07N	44.21E	5	3.7L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.5km s-min=2.0km az=39.0.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XI**	**15 01 02 33.4–1.2**	**38.43N–.02**	**46.59E–.02**	**0–9**	**3.6b**	**131**	**0-27**
AZER	XI	15 01 02 29.4–.02	38.25N	46.44E	10–0	4.0L		**¶601991990**
TEH	XI	15 01 02 33.5	38.39N	46.55E	10	3.7L		
NNC	XI	15 01 02 36.3–6.6	38.87N	46.89E	0	4.1b,3.9		
IDC	XI	15 01 02 38.0–2.1	38.85N	46.47E	0	3.7,3.6		
ISC	Event type se.							
AZER	Error ellipse: s-maj=1.7km s-min=0.5km az=44.0.							
NNC	Event type se. Error ellipse: s-maj=59.5km s-min=29.6km az=58.0.							
IDC	Error ellipse: s-maj=38.3km s-min=13.5km az=179.0.							
ISC	**XI**	**16 03 58 26.9–.53**	**38.52N–.02**	**46.66E–.01**	**8–3**	**4.8b,4.1s**	**750**	**0-100**
DDA	XI	16 03 58 18.1	38.39N	47.29E	4	4.2L,4.1s		**¶601903371**
BJI	XI	16 03 58 21.6	38.34N	46.10E	8	5.0b,4.8b		
AZER	XI	16 03 58 23.3–13	38.52N	46.57E	10–1	5.1L,4.8b		
IDC	XI	16 03 58 24.9–.53	38.41N	46.58E	0	4.5,4.5		
NEIC	XI	16 03 58 25.1–.00	38.56N	46.59E	15	4.9,4.9b		
TEH	XI	16 03 58 25.6	38.48N	46.57E	10	4.7L,4.9b		
THR	XI	16 03 58 25.1–.30	38.56N	46.59E	15	4.7L,4.9b		
MOS	XI	16 03 58 27.6–1.5	38.36N	46.65E	27	4.9b,4.2s		
DSN	XI	16 03 58 27.2–.59	38.27N	46.64E	5	5.0b,4.2s		
GCMT	XI	16 03 58 28.1–.30	38.49N–.02	46.66E–.02	16–1	4.8W,4.2s		
GII	XI	16 03 58 28.9–.00	38.46N	46.72E	5	4.8W,4.2s		
ISCJB	XI	16 03 58 29.3–.49	38.43N–.01	46.65E–.01	33–4	4.7b,4.2s		
NNC	XI	16 03 58 33.2–2.7	39.04N	47.25E	0	5.3,4.9b		
ISC	Event type fe.							
DDA	Event type ke.							
AZER	Error ellipse: s-maj=6.2km s-min=1.0km az=23.0.							
IDC	Error ellipse: s-maj=12.2km s-min=8.0km az=18.0.							
NEIC	Event type fe. Felt [III] at Tabriz. After THR.							
THR	Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0.							
MOS	Error ellipse: s-maj=5.1km s-min=3.2km az=111.7.							
DSN	Error ellipse: s-maj=11.0km s-min=7.0km az=52.0.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s84,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.12 $M_{\theta\theta}$-1.99±.10; $M_{\phi\phi}$0.69±.07; $M_{r\theta}$-0.35±.24; $M_{\theta\phi}$-1.79±.07; $M_{\phi r}$-0.21±.25; Best double couple: NP1:ϕ_s199.00000°,δ89.00000°,λ9.00000°. NP2:ϕ_s109.00000°,δ81.00000°,λ179.00000°. Principal axes: T 1.5900,Plg7.0000° ,Azm64.0000°; N 1.3360,Plg81.0000°,Azm204.0000°; P -2.9250,Plg6.0000°,Azm333.0000° M_o2.25700×10^{16}							
GII	Event type ke.							
ISCJB	Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=22.5.							
NNC	Event type se. Error ellipse: s-maj=38.5km s-min=25.2km az=113.0.							
ISC	**XI**	**17 14 52 54.2–1.2**	**38.46N–.03**	**46.85E–.02**	**4–11**		**64**	**0-9**
AZER	XI	17 14 52 50.6–.24	38.36N	46.81E	10–3	3.4L		**¶604084709**
TEH	XI	17 14 52 53.7	38.42N	46.85E	6	3.4L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=10.7km s-min=1.9km az=19.0.							
ISC	**XI**	**20 21 13 33.1–2.5**	**39.65N–.07**	**45.7E–.10**	**3–16**		**26**	**1-3**
DDA	XI	20 21 13 36.7	39.71N	45.37E	12	2.9L		**¶602983817**
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**XI**	**24 14 03 15.4–1.3**	**38.40N–.03**	**46.57E–.02**	**3–11**		**55**	**0-4**
AZER	XI	24 14 03 13.1–.06	38.35N	46.51E	10–0	3.4L		**¶604084728**
TEH	XI	24 14 03 15.9	38.50N	46.58E	6	3.3L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.0km s-min=1.0km az=29.0.							
ISC	**XI**	**26 01 40 08.0–1.1**	**38.41N–.02**	**46.62E–.02**	**1–8**	**3.8b**	**132**	**0-47**
AZER	XI	26 01 40 04.4–.13	38.30N	46.55E	0–0	3.9L		**¶602032397**
TEH	XI	26 01 40 07.7	38.42N	46.67E	4	3.5L		
IDC	XI	26 01 40 08.8–1.3	38.40N	46.61E	0	3.8,3.8		
THR	XI	26 01 40 08.6–.34	38.46N	46.65E	16–5	3.5L,3.8		
DDA	XI	26 01 40 26.1	38.39N	45.18E	4	3.0L,3.8		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.7km s-min=1.1km az=14.0.							
IDC	Error ellipse: s-maj=24.1km s-min=12.7km az=16.0.							
THR	Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0.							
DDA	Event type ke.							
ISC	**XI**	**26 23 17 26.6–1.6**	**38.49N–.03**	**45.11E–.06**	**2–12**		**28**	**1-3**
NSSP	XI	26 23 17 25.4	38.52N	45.25E	10	3.0s		**¶602984063**
DDA	XI	26 23 17 28.9	38.48N	44.84E	7	3.0L		
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**XI**	**27 09 20 02.4–1.2**	**38.45N–.03**	**46.57E–.02**	**4–11**		**45**	**0-4**
AZER	XI	27 09 19 60.0–1.8	38.38N	46.46E	18	3.2L		**¶604084737**
TEH	XI	27 09 20 01.9	38.45N	46.59E	4	3.1L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=3.0km s-min=0.6km az=29.0.							
ISC	**XII**	**09 08 26 21.6–1.1**	**38.43N–.03**	**46.62E–.02**	**4–11**		**52**	**0-4**
AZER	XII	09 08 26 20.4–.10	38.44N	46.62E	10–1	3.5L		**¶604084759**
TEH	XII	09 08 26 21.1	38.42N	46.65E	4	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=5.0km s-min=1.6km az=27.0.							
ISC	**XII**	**25 02 40 08.0–1.1**	**38.44N–.03**	**46.85E–.02**	**6–10**		**70**	**1-5**
AZER	XII	25 02 40 06.5–.10	38.11N	46.64E	45–0	3.6L		**¶604849026**
TEH	XII	25 02 40 07.7	38.42N	46.87E	6	3.0L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=1.7km s-min=0.5km az=17.0.							
ISC	**XII**	**28 00 17 06.5–.65**	**38.40N–.02**	**46.66E–.02**	**10**		**149**	**0-27**
IDC	XII	28 00 16 58.8–2.5	36.83N	46.67E	0	3.6,3.4		**¶602380752**
AZER	XII	28 00 17 04.2–.00	38.25N	46.44E	24–0	3.9L,3.4		
TEH	XII	28 00 17 05.6	38.39N	46.66E	4	3.4L,3.4		
ISCJB	XII	28 00 17 08.4–.30	38.32N–.02	46.69E–.02	10	3.4L,3.4		
DDA	XII	28 00 17 30.2	38.35N	44.50E	7	2.5L,3.4		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=46.2km s-min=17.2km az=12.0.							
AZER	Error ellipse: s-maj=2.1km s-min=0.6km az=32.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=164.4.							
DDA	Event type ke.							

(345) Northwestern Iran.

ISC	**XII**	**16 10 41 10.0–1.0**	**37.91N–.03**	**46.74E–.03**	**10–9**		**31**	**0-3**
ISN	XII	16 10 41 05.6–1.3	37.32N	46.23E	316–126	3.2L		**¶602213910**
TEH	XII	16 10 41 09.5	37.93N	46.75E	10	3.2L		
AZER	XII	16 10 41 10.0–.11	38.11N	46.83E	5–28	3.1L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=111.4km s-min=113.6km az=-1.0.							
AZER	Error ellipse: s-maj=20.7km s-min=4.6km az=17.0.							
ISC	**XII**	**30 06 41 18.3–1.4**	**37.68N–.03**	**48.34E–.03**	**2–14**		**42**	**1-5**
TEH	XII	30 06 41 18.7	37.67N	48.27E	10	3.4L		**¶604849036**
AZER	XII	30 06 41 18.4–.71	37.81N	48.42E	5	3.2L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=1.9km s-min=1.5km az=326.0.							

(346) Iran-Iraq border region.

TEH	**VII**	**17 21 55 35.4**	**32.41N**	**47.26E**	**13**	**2.7L**		
ISN	VII	17 21 55 35.0–1.5	32.43N	47.23E	15	2.7L		**¶602027744**
ISN	Error ellipse: s-maj=9.7km s-min=18.2km az=-1.0.							
TEH	**VII**	**19 13 02 03.7**	**34.33N**	**45.49E**	**8**	**2.5L**		
ISN	VII	19 13 02 02.9–1.2	34.35N	45.53E	11–29	2.5L		**¶602027805**
ISN	Error ellipse: s-maj=6.0km s-min=26.0km az=-1.0.							
TEH	**VII**	**20 00 41 17.2**	**32.38N**	**46.87E**	**8**	**2.5L**		
ISN	VII	20 00 41 15.0–.41	32.41N	46.79E	0–2	2.5L		**¶602027817**
ISN	Error ellipse: s-maj=4.1km s-min=8.2km az=-1.0.							
ISC	**VII**	**21 16 00 11.2–1.5**	**36.49N–.03**	**44.25E–.04**	**1–12**		**59**	**1-6**
DDA	VII	21 16 00 07.2	36.26N	44.35E	6	3.5L		**¶601831484**
ISN	VII	21 16 00 10.7–1.0	36.44N	44.20E	0–3	3.4L		
TEH	VII	21 16 00 10.5	36.48N	44.24E	13	3.3L		
ISK	VII	21 16 00 12.5	36.54N	44.18E	5–0	3.4L		
CSEM	VII	21 16 00 12.1–.33	36.54N	44.39E	2	3.4L		
ISC	Event type ke.							
DDA	Event type ke.							
ISN	Error ellipse: s-maj=5.5km s-min=6.1km az=-1.0.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=12.1km s-min=4.5km az=66.0.							
TEH	**VII**	**24 16 22 37.1**	**32.78N**	**47.78E**	**26**	**3.2L**		
ISN	VII	24 16 22 34.1–.47	32.77N	47.95E	12–7	3.0L		**¶602027966**
CSEM	VII	24 16 22 37.1–.45	32.77N	47.63E	10	3.0L		
ISN	Error ellipse: s-maj=2.0km s-min=8.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=15.2km s-min=10.7km az=9.0.							
ISC	**VII**	**25 13 08 56.9–.61**	**32.45N–.05**	**46.86E–.03**	**20**	**3.9b**	**70**	**1-65**
IDC	VII	25 13 08 53.0–1.3	32.34N	47.07E	0	3.9,3.9		**¶601511856**
THR	VII	25 13 08 54.5–.28	32.50N	46.74E	18–4	3.7L,3.9		
ISN	VII	25 13 08 55.1–1.0	32.49N	46.92E	10–4	3.7L,3.9		
CSEM	VII	25 13 08 56.5–.22	32.47N	46.93E	10	3.7L,3.9		
ISCJB	VII	25 13 08 56.0–.48	32.46N–.05	46.90E–.04	20	3.8b,3.9		
TEH	VII	25 13 08 57.7	32.54N	46.94E	10	3.7L,3.9		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=30.7km s-min=18.4km az=169.0.							
THR	Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.							
ISN	Error ellipse: s-maj=3.6km s-min=7.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=8.0.							

ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=176.7.
TEH VII 28 06 09 56.2 32.51N 47.13E 18 3.1L
ISN VII 28 06 09 52.2–.73 32.48N 46.97E 0–3 3.1L ¶602028035
CSEM VII 28 06 09 54.5–.26 32.39N 46.96E 10 3.1L
ISN Error ellipse: s-maj=5.6km s-min=9.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.4km az=174.0.
TEH VII 29 21 56 07.4 32.78N 47.94E 13 3.1L
ISN VII 29 21 56 02.8–.58 32.79N 48.03E 2–7 3.1L ¶602028082
CSEM VII 29 21 56 07.0–.21 32.74N 47.82E 2 2.8L
ISN Error ellipse: s-maj=2.5km s-min=9.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=6.0.
TEH VII 30 11 02 17.7 32.99N 46.69E 10 2.5L
ISN VII 30 11 02 16.0–.88 32.95N 46.64E 0–5 2.5L ¶602028089
ISN Error ellipse: s-maj=3.3km s-min=7.3km az=-1.0.
ISN VIII 22 13 43 29.3–2.6 36.93N 44.95E 0–59 2.3L
DDA VIII 22 13 44 31.0 36.82N 45.01E 21 2.9L ¶602028627
ISN Error ellipse: s-maj=17.4km s-min=63.3km az=-1.0.
DDA Event type ke.
ISC VIII 23 18 08 01.4–1.3 35.89N–.06 46.07E–.07 10 16 1-8
ISN VIII 23 18 07 54.5–.83 36.01N 45.82E 14–4 3.4L ¶602028643
TEH VIII 23 18 07 56.6 35.91N 45.80E 10 3.4L
ISCJB VIII 23 18 07 59.3–.52 35.89N–.05 46.03E–.08 10 3.4L
DDA VIII 23 18 08 37.3 35.70N 45.61E 31 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=3.9km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.7km az=144.6.
DDA Event type ke.
TEH VIII 28 06 24 16.6 32.82N 47.58E 8 3.4L
ISN VIII 28 06 24 15.2–.77 32.80N 47.73E 9–10 3.4L ¶602028762
ISN Error ellipse: s-maj=3.2km s-min=11.7km az=-1.0.
ISC VIII 29 12 22 56.1–.48 32.75N–.04 47.60E–.04 15 4.0b 101 1-64
ISCJB VIII 29 12 22 54.5–.27 32.57N–.03 47.55E–.03 15 4.1b,2.9s ¶601643070
ISN VIII 29 12 22 54.0–.39 32.80N 47.87E 3–4 4.0L,2.9s
IDC VIII 29 12 22 54.3–.94 32.83N 47.54E 0 4.0,4.0b
TEH VIII 29 12 22 57.2 32.85N 47.73E 11 3.8L,4.0b
NEIC VIII 29 12 22 57.0–.00 32.84N 47.76E 4 4.3b,4.0
THR VIII 29 12 22 59.3–.42 32.94N 47.83E 14–6 4.0L,4.0
DSN VIII 29 12 23 04.3–1.8 32.12N 47.98E 15 4.0L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=135.7.
ISN Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=20.7km s-min=15.5km az=159.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0.
DSN Error ellipse: s-maj=25.3km s-min=11.3km az=8.0.
ISC VIII 29 12 46 58.0–1.1 32.84N–.06 47.71E–.06 15 3.4b 31 1-39
IDC VIII 29 12 46 50.5–33 32.17N 47.30E 0 3.8,3.7b ¶601755563
ISN VIII 29 12 46 55.3–.45 32.85N 47.76E 0–5 3.3L,3.7b
TEH VIII 29 12 46 57.6 32.83N 47.69E 10 3.3L,3.7b
ISCJB VIII 29 12 46 58.2–1.1 32.74N–.08 47.66E–.09 15 3.4b,3.7b
ISC Event type ke.
ISCJB Event type ke.
TEH IX 11 17 28 21.1 36.30N 45.70E 10 3.0L
ISN IX 11 17 28 17.4–.73 36.24N 45.75E 6–3 3.0L ¶602029621
ISN Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
TEH IX 18 16 30 32.6 34.72N 45.53E 10 3.0L
ISN IX 18 16 30 26.2–1.2 34.90N 45.16E 0–5 3.1L ¶602030229
ISN Error ellipse: s-maj=4.8km s-min=7.1km az=-1.0.
TEH IX 22 04 07 27.8 32.58N 47.27E 9 3.0L
ISN IX 22 04 07 23.9–1.0 32.55N 47.17E 0–9 3.0L ¶602030774
ISN Error ellipse: s-maj=3.9km s-min=15.2km az=-1.0.
ISC IX 29 11 57 34.7–3.3 37.0N–.10 44.6E–.10 11–14 18 1-3
ISN IX 29 11 57 34.7–1.1 37.06N 44.31E 0–6 3.0L ¶602031289
DDA IX 29 11 57 37.5 37.03N 44.42E 5 3.0L
ISK IX 29 11 57 38.2 37.21N 44.46E 4–0 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=9.8km s-min=6.1km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC X 04 14 32 17.6–.99 36.30N–.04 45.75E–.04 10 24 1-4
TEH X 04 14 32 17.9 36.29N 45.71E 10 3.3L ¶606583104
ISCJB X 04 14 32 19.2–.47 36.25N–.05 45.71E–.06 10 3.3L
ISC Event type ke.
ISCJB Event type ke.
TEH X 05 08 41 41.6 33.16N 46.44E 17 3.0L
ISN X 05 08 41 39.2–.80 33.20N 46.44E 30–3 3.0L ¶601997113
ISN Error ellipse: s-maj=6.5km s-min=7.8km az=-1.0.
ISN X 06 02 13 20.9–1.0 35.94N 45.52E 4–6 2.6L
¶601997227
ISN Error ellipse: s-maj=3.7km s-min=8.4km az=-1.0.
TEH X 23 11 56 39.6 33.43N 46.17E 14 3.5L
ISN X 23 11 56 36.5–.70 33.25N 46.14E 19–2 3.5L ¶601999360
ISN Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
TEH X 27 05 04 56.7 34.68N 45.25E 8 3.4L
ISN X 27 05 04 53.4–.90 34.72N 45.27E 0–3 3.4L ¶601999804
ISN Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
TEH XI 10 21 14 18.1 31.37N 47.48E 10 3.1L
ISN XI 10 21 14 18.9–.92 31.30N 47.41E 38–24 3.0L ¶602323540
ISN Error ellipse: s-maj=8.4km s-min=20.9km az=-1.0.
ISC XI 19 14 11 21.3–1.5 33.90N–.04 46.69E–.06 12–9 3.8b 73 1-81
DSN XI 19 14 10 29.6–7.8 37.70N 44.73E 15 4.9b ¶602323546
ISN XI 19 14 11 16.0–1.3 33.81N 46.88E 0–11 3.6L
ISCJB XI 19 14 11 19.3–1.5 33.77N–.04 46.48E–.06 15–13 3.9s,3.7b
TEH XI 19 14 11 20.8 33.88N 46.70E 4 3.7L,3.7b
IDC XI 19 14 11 22.9–4.7 33.49N 46.41E 41–47 3.9,3.9
THR XI 19 14 11 24.8–.37 34.07N 46.77E 36–3 3.7L,3.9
OMAN XI 19 14 11 32.2–1.5 33.35N 47.48E 4 3.7L,3.9
ISC Event type ke.
DSN Error ellipse: s-maj=90.9km s-min=15.9km az=153.0.
ISN Error ellipse: s-maj=12.1km s-min=19.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.7km az=166.2.
IDC Error ellipse: s-maj=34.7km s-min=24.1km az=28.0.
THR Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
OMAN Error ellipse: s-maj=36.9km s-min=13.4km az=49.0.
ISK XI 24 22 28 34.5 36.35N 44.17E 2–1 3.0L
ISN XI 24 22 28 31.0–1.2 36.40N 44.21E 0–12 3.0L ¶602082402
ISK Event type ke.
ISN Error ellipse: s-maj=0.2km s-min=11.5km az=-1.0.
TEH XI 29 17 24 59.7 36.79N 44.14E 9 3.0L
ISN XI 29 17 24 51.8–.99 36.86N 44.06E 0–5 3.0L ¶602323558
ISN Error ellipse: s-maj=9.7km s-min=5.1km az=-1.0.
ISC XII 03 05 40 40.9–.95 33.71N–.05 45.86E–.04 19 22 1-5
ISN XII 03 05 40 39.0–.48 33.77N 45.90E 14–3 3.2L ¶602216546
ISCJB XII 03 05 40 40.8–.43 33.71N–.04 45.84E–.04 19 3.2L
TEH XII 03 05 40 40.3 33.75N 45.90E 14 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=157.0.
ISC XII 06 18 09 34.2–.87 34.10N–.04 45.46E–.04 10 20 1-5
ISN XII 06 18 09 32.5–1.1 34.08N 45.55E 15–10 3.2L ¶602216552
ISCJB XII 06 18 09 34.0–.47 34.07N–.04 45.48E–.04 10 3.2L
TEH XII 06 18 09 34.4 34.15N 45.52E 10 3.3L
ISC Event type ke.
ISN Error ellipse: s-maj=3.6km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=167.1.
ISC XII 11 15 22 10.8–1.6 33.64N–.04 45.66E–.05 17–14 21 1-6
ISN XII 11 15 22 08.2–1.0 33.68N 45.67E 0–4 3.2L ¶602213902
TEH XII 11 15 22 10.7 33.70N 45.79E 11 3.3L
ISCJB XII 11 15 22 11.1–1.0 33.67N–.03 45.68E–.05 21–11 3.3L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 12 02 13 30.0–1.2 32.28N–.05 47.38E–.04 10 26 1-5
ISCJB XII 12 02 13 28.6–.47 32.22N–.04 47.30E–.03 10 ¶602213903
ISN XII 12 02 13 29.7–1.2 32.29N 47.37E 15–4 3.1L
TEH XII 12 02 13 31.3 32.35N 47.47E 20 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=13.6.
ISN Error ellipse: s-maj=3.3km s-min=9.4km az=-1.0.
ISC XII 12 02 15 35.0–1.2 32.27N–.05 47.37E–.04 23 28 1-5
ISN XII 12 02 15 32.0–1.3 32.28N 47.44E 17–7 3.4L ¶602213904
ISCJB XII 12 02 15 34.1–.46 32.28N–.04 47.37E–.03 23 3.4L
TEH XII 12 02 15 35.2 32.37N 47.51E 23 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=4.3km s-min=10.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=12.8.
ISC XII 15 00 53 17.7–1.2 32.45N–.04 47.03E–.04 20 34 1-6
TEH XII 15 00 53 14.9 32.36N 47.00E 20 3.2L ¶602213907
ISN XII 15 00 53 15.4–.99 32.52N 47.09E 16–5 3.1L
ISCJB XII 15 00 53 16.4–.49 32.42N–.05 47.03E–.03 20 3.1L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 17 23 51 27.2–2.2 36.76N–.04 45.0E–.10 2–12 14 1-3
ISN XII 17 23 51 23.4–7.5 36.44N 45.16E 165–289 2.6L ¶602213914
DDA XII 17 23 51 28.6 36.83N 44.80E 5 2.7L
ISC Event type ke.
ISN Error ellipse: s-maj=242.9km s-min=195.4km az=-1.0.
DDA Event type ke.
ISC XII 25 21 50 14.5–.87 33.11N–.04 46.25E–.03 13 29 0-5
ISN XII 25 21 50 12.0–1.3 33.12N 46.35E 10–5 3.3L ¶602213927
ISCJB XII 25 21 50 14.3–.41 33.12N–.04 46.24E–.03 13 3.3L
TEH XII 25 21 50 15.6 33.17N 46.36E 10 3.3L
ISC Event type ke.
ISN Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=178.4.
ISC XII 28 15 03 04.1–.94 35.58N–.04 46.08E–.04 10 21 1-4
ISN XII 28 15 03 02.4–1.4 35.63N 45.88E 0–5 3.0L ¶602213935
ISCJB XII 28 15 03 04.4–.50 35.58N–.04 45.89E–.05 10 3.0L
TEH XII 28 15 03 04.6 35.61N 46.10E 10 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=6.0km s-min=7.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.4km az=149.2.
ISC XII 28 22 33 38.3–1.2 35.09N–.02 46.91E–.02 1–11 61 0-6
AZER XII 28 22 33 37.8–2.9 34.56N 47.44E 2 3.6L ¶602213937
ISN XII 28 22 33 38.0–1.2 34.99N 47.29E 0–10 3.6L
TEH XII 28 22 33 40.2 34.97N 47.04E 5 3.6L
THR XII 28 22 33 41.7–.44 35.04N 46.90E 14–6 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=31.3km s-min=17.8km az=118.0.
ISN Error ellipse: s-maj=6.5km s-min=14.6km az=-1.0.
THR Error ellipse: s-maj=1.3km s-min=6.5km az=-1.0.

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TEH VII 12 11 30 51.4 34.12N 46.14E 11 2.9L
ISN VII 12 11 30 53.1–.95 34.03N 46.12E 15 2.9L ¶602027616
ISN Error ellipse: s-maj=11.4km s-min=2.4km az=-1.0.
ISC VII 14 00 55 01.6–1.0 34.49N–.03 47.53E–.02 7–6 4.6b,3.4s 611 0-99
NSSC VII 14 00 54 53.2–1.0 34.70N 48.19E 0–999 3.6L,3.4s ¶601273211
BJI VII 14 00 54 59.8 34.54N 47.45E 9 4.7b,4.6b
ISN VII 14 00 55 00.9–1.7 34.55N 47.55E 14–7 4.8L,4.6b
TEH VII 14 00 55 00.6 34.60N 47.51E 6 4.4L,4.6b
IDC VII 14 00 55 00.2–.48 34.52N 47.61E 0 4.4,4.3
ISCJB VII 14 00 55 00.7–.12 34.46N–.02 47.45E–.01 10 4.5b,3.5s
DSN VII 14 00 55 01.9–.03 34.45N 47.51E 10 4.6b,3.5s
MOS VII 14 00 55 02.6–1.0 34.44N 47.51E 28 4.6b,3.5s
THR VII 14 00 55 02.8–1.2 34.67N 47.51E 15–9 4.2L,3.5s
CSEM VII 14 00 55 03.3–.08 34.48N 47.48E 15 4.6b,3.5s
NEIC VII 14 00 55 03.5–.00 34.61N 47.42E 10 4.6b,4.3
ISC Event type ke.
NSSC Error ellipse: s-maj=156.6km s-min=999.9km az=-1.0.
ISN Error ellipse: s-maj=5.4km s-min=11.0km az=-1.0.
IDC Error ellipse: s-maj=12.1km s-min=9.4km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=16.7.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=122.5.
THR Error ellipse: s-maj=6.2km s-min=6.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=18.0.
NEIC Event type se. After TEH.
ISC VII 22 10 16 25.9–.29 32.54N–.03 49.92E–.02 11 4.6b,3.5s 536 1-119
ISCJB VII 22 10 16 24.3–.14 32.44N–.02 49.79E–.02 11 4.6b,3.5s ¶601456932
BJI VII 22 10 16 25.5 32.60N 49.90E 14 4.8b,4.7b
MOS VII 22 10 16 26.0–1.2 32.56N 49.85E 25 4.7b,4.7b
CSEM VII 22 10 16 26.2–.10 32.51N 49.79E 10 4.6b,4.7b
TEH VII 22 10 16 26.4 32.55N 49.93E 10 4.3L,4.7b
THR VII 22 10 16 27.4–1.1 32.60N 49.94E 14–8 4.2L,4.7b
GII VII 22 10 16 27.5–.00 32.55N 49.90E 30 4.2L,4.7b
NEIC VII 22 10 16 27.4–.00 32.60N 49.94E 14 4.6b,4.3
IDC VII 22 10 16 29.2–3.0 32.61N 49.83E 33–23 4.2,4.1L
SGS VII 22 10 16 29.8 32.78N 49.78E 30 4.2,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=19.7.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=122.4.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=30.0.
THR Error ellipse: s-maj=3.5km s-min=5.5km az=-1.0.
GII Event type ke.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=157.0.
ISC VII 22 15 59 30.1–.51 32.46N–.04 49.86E–.03 11 4.2b 163 1-49
ISCJB VII 22 15 59 27.5–.33 32.32N–.04 49.76E–.03 11 4.2b,2.8s ¶601456941
NEIC VII 22 15 59 29.3–.00 32.63N 49.97E 10 4.2b,3.7
IDC VII 22 15 59 29.2–2.4 32.71N 49.64E 0 3.9b,3.9
TEH VII 22 15 59 29.7 32.54N 49.94E 10 3.8L,3.9
CSEM VII 22 15 59 29.6–.20 32.43N 49.77E 10 4.4b,3.9
THR VII 22 15 59 30.8–.58 32.60N 49.90E 14–6 3.6L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=7.4.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=47.2km s-min=23.6km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=19.0.
THR Error ellipse: s-maj=2.7km s-min=4.2km az=-1.0.
TEH VII 22 16 23 26.2 32.54N 49.94E 10 2.5L
¶604846842
ISC VII 23 08 31 39.9–.36 33.10N–.03 48.78E–.03 10 4.4b 259 1-97
ISN VII 23 08 31 37.1–.93 33.13N 48.76E 2–14 4.1L ¶601457934
ISCJB VII 23 08 31 38.2–.18 32.93N–.02 48.73E–.02 10 4.3b
SGS VII 23 08 31 38.1 33.55N 49.04E 20 4.3b
DSN VII 23 08 31 38.6–.03 33.09N 48.77E 10 4.6b
IDC VII 23 08 31 38.2–.68 33.11N 48.80E 0 4.2,4.1
TEH VII 23 08 31 39.1 33.13N 48.78E 7 4.1L,4.1
CSEM VII 23 08 31 40.3–.13 33.05N 48.70E 10 4.5b,4.1
MOS VII 23 08 31 41.4–1.2 33.07N 48.81E 33 4.5b,4.1
NEIC VII 23 08 31 41.6–.00 33.16N 48.87E 14 4.5b,4.1
THR VII 23 08 31 42.0–.98 33.13N 48.91E 15–9 3.9L,4.1
ISC Event type ke.
ISN Error ellipse: s-maj=4.7km s-min=19.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=32.6.
IDC Error ellipse: s-maj=16.6km s-min=12.9km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=23.0.
MOS Error ellipse: s-maj=9.7km s-min=6.3km az=103.2.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.2km s-min=10.4km az=-1.0.
TEH VII 27 09 19 09.3 32.47N 49.82E 10 3.5L
ISN VII 27 09 19 06.0–1.1 32.13N 49.62E 14–5 3.5L ¶602028020
CSEM VII 27 09 19 11.6–.20 32.49N 49.80E 10 3.5L

ISN Error ellipse: s-maj=7.1km s-min=8.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=23.0.
TEH VII 28 21 36 10.3 35.83N 48.89E 4 2.6L
ISN VII 28 21 36 03.7–.30 35.36N 47.89E 0 2.6L ¶602028055
ISN Error ellipse: s-maj=0.1km s-min=3.7km az=-1.0.
ISC IX 07 16 06 45.5–1.1 32.54N–.04 48.50E–.06 17 37 1-5
TEH IX 07 16 06 44.9 32.59N 48.60E 4 3.4L ¶604737947
THR IX 07 16 06 45.4–.40 32.53N 48.59E 14–4 3.5L
ISCJB IX 07 16 06 46.5–.60 32.56N–.04 48.56E–.06 17 3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 19 11 59 39.1–.55 33.52N–.04 47.22E–.04 14 3.9b 79 1-97
IDC IX 19 11 59 36.6–1.0 33.54N 47.26E 0 4.3L,4.1 ¶601863826
ISN IX 19 11 59 36.6–1.2 33.47N 47.31E 0–4 3.8L,4.1
ISCJB IX 19 11 59 37.7–.34 33.45N–.03 47.13E–.04 14 3.9b,3.2s
TEH IX 19 11 59 38.2 33.51N 47.26E 5 3.8L,3.2s
THR IX 19 11 59 40.4–.45 33.56N 47.31E 14–5 3.8L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=15.6km az=177.0.
ISN Error ellipse: s-maj=3.7km s-min=6.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=39.6.
THR Error ellipse: s-maj=3.1km s-min=2.8km az=-1.0.
ISC X 07 16 42 19.6–.72 32.60N–.05 48.24E–.06 19 3.6b 65 1-39
ISN X 07 16 42 16.3–1.6 32.60N 48.22E 15–6 3.4L ¶601997396
TEH X 07 16 42 18.7 32.60N 48.24E 10 3.5L
ISCJB X 07 16 42 19.1–.43 32.52N–.04 48.14E–.04 19 3.6b
SGS X 07 16 42 20.1 32.79N 48.34E 14 3.6b
IDC X 07 16 42 27.2–5.6 33.91N 48.58E 0 3.9,3.8b
OMAN X 07 16 42 27.8–.89 33.52N 50.48E 571–12 3.9,3.8b
ISC Event type ke.
ISN Error ellipse: s-maj=6.6km s-min=10.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=42.1.
IDC Error ellipse: s-maj=107.5km s-min=24.8km az=5.0.
OMAN Error ellipse: s-maj=41.0km s-min=22.2km az=242.0.
TEH X 15 02 41 30.8 32.70N 48.45E 10 3.1L
ISN X 15 02 41 28.2–1.4 32.75N 48.36E 14–9 3.1L ¶601998278
ISN Error ellipse: s-maj=10.6km s-min=13.8km az=-1.0.
ISC X 15 05 57 15.9–.65 30.59N–.06 49.78E–.06 10 3.7b 80 1-47
ISCJB X 15 05 57 14.5–.36 30.55N–.03 49.64E–.04 10 3.7b ¶601998294
TEH X 15 05 57 14.5 30.60N 49.69E 8 3.8L
IDC X 15 05 57 14.3–1.4 30.81N 49.62E 0 3.8,3.7
THR X 15 05 57 16.9–.87 30.66N 49.74E 17–6 3.7L,3.7
OMAN X 15 05 57 30.0–2.3 29.65N 50.04E 10 3.7L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=145.6.
IDC Error ellipse: s-maj=32.3km s-min=18.8km az=163.0.
THR Error ellipse: s-maj=3.4km s-min=7.0km az=-1.0.
OMAN Error ellipse: s-maj=19.9km s-min=16.0km az=83.0.
ISC X 28 02 21 05.7–.92 35.08N–.03 47.08E–.04 10 38 0-6
AZER X 28 02 20 47.9–4.5 33.68N 46.76E 10 4.0L ¶601999883
ISN X 28 02 21 01.4–1.0 35.07N 47.13E 1–10 3.6L
TEH X 28 02 21 04.9 35.05N 47.09E 10 3.6L
ISCJB X 28 02 21 06.0–.45 35.06N–.03 47.02E–.06 10 3.6L
THR X 28 02 21 07.7–.42 35.14N 47.21E 14–6 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=61.3km s-min=32.7km az=77.0.
ISN Error ellipse: s-maj=6.0km s-min=12.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=177.0.
THR Error ellipse: s-maj=2.2km s-min=7.1km az=-1.0.
ISC XI 05 18 02 35.8–.60 32.41N–.04 49.01E–.04 23 4.0b 88 0-64
ISCJB XI 05 18 02 33.5–.38 32.22N–.03 48.88E–.04 23 3.8b,2.9s ¶602031637
IDC XI 05 18 02 33.2–1.3 32.58N 48.88E 0 3.9,3.9b
THR XI 05 18 02 34.8–.40 32.36N 48.99E 34–2 3.6L,3.9b
TEH XI 05 18 02 35.6 32.42N 48.99E 20 3.7L,3.9b
DSN XI 05 18 02 42.7–2.0 31.89N 49.49E 15 3.4L,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=148.1.
IDC Error ellipse: s-maj=32.3km s-min=16.3km az=2.0.
THR Error ellipse: s-maj=2.9km s-min=4.2km az=-1.0.
DSN Error ellipse: s-maj=32.9km s-min=16.4km az=25.0.
ISC XI 15 00 09 21.4–.88 31.96N–.06 49.58E–.04 20 27 1-48
IDC XI 15 00 09 19.5–2.0 31.73N 49.54E 0 3.5,3.5 ¶602389421
TEH XI 15 00 09 19.5 32.08N 49.58E 10 3.1L,3.5
ISCJB XI 15 00 09 21.0–.63 31.97N–.06 49.53E–.05 20 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
TEH XI 20 10 05 05.1 34.13N 46.94E 10 3.3L
ISN XI 20 10 05 02.0–.45 34.12N 46.90E 5–3 3.3L ¶602323547
ISN Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0.
ISC XI 23 22 49 28.7–.64 30.51N–.06 49.09E–.06 10 3.8b 70 1-86
ISCJB XI 23 22 49 27.2–.35 30.39N–.04 48.98E–.04 10 3.6b ¶602389912
IDC XI 23 22 49 27.8–1.8 30.69N 49.07E 0 3.8,3.7
THR XI 23 22 49 29.2–.52 30.57N 49.11E 14–9 3.8L,3.7
TEH XI 23 22 49 30.0 30.57N 49.09E 19 3.6L,3.7
DSN XI 23 22 49 37.2–1.5 30.64N 50.03E 15 3.0L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=28.0.
IDC Error ellipse: s-maj=40.1km s-min=16.0km az=170.0.
THR Error ellipse: s-maj=4.9km s-min=9.3km az=-1.0.
DSN Error ellipse: s-maj=62.7km s-min=13.5km az=40.0.
ISC XI 25 17 47 37.6–1.1 35.61N–.02 49.74E–.02 5–10 67 0-8
TEH XI 25 17 47 37.5 35.64N 49.71E 8 3.8L ¶604740245
THR XI 25 17 47 37.8–.42 35.61N 49.70E 14–4 3.7L
AZER XI 25 17 47 37.3–3.5 36.25N 51.89E 0 4.0L
ISC Event type ke.
THR Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
AZER Error ellipse: s-maj=62.4km s-min=25.1km az=37.0.
ISC XI 27 06 22 27.2–.28 33.30N–.02 49.30E–.02 10 4.8b,3.9s 530 1-123
ISN XI 27 06 22 20.5–1.5 33.17N 49.52E 0–25 4.8L,3.9s ¶601994754
SGS XI 27 06 22 24.7 33.81N 49.44E 24 4.8L,3.9s
ISCJB XI 27 06 22 25.6–.12 33.15N–.02 49.22E–.02 10 4.7b,3.9s
GII XI 27 06 22 25.7–.00 33.24N 49.28E 2 4.7b,3.9s
THR XI 27 06 22 26.6–.34 33.27N 49.45E 28–3 4.7L,3.9s
TEH XI 27 06 22 26.2 33.27N 49.27E 4 4.7L,3.9s
MOS XI 27 06 22 27.8–1.2 33.18N 49.21E 25 4.9b,3.9s
NEIC XI 27 06 22 27.4–.20 33.22N 49.21E 10 4.9,4.8b
BJI XI 27 06 22 27.0 33.20N 49.20E 15 5.0b,4.7b
GCMT XI 27 06 22 28.4–.50 33.12N–.03 49.24E–.02 26–2 4.8W,4.7b
DSN XI 27 06 22 29.3–.40 33.09N 49.23E 24 4.8b,4.7b
OMAN XI 27 06 22 30.2–.64 32.94N 49.22E 24 4.8b,4.7b
IDC XI 27 06 22 32.0–1.7 33.36N 49.12E 39–14 4.3,4.3
AZER XI 27 06 22 44.3–2.1 34.30N 49.90E 40 4.7L,3.2s
ISC Event type ke.
ISN Error ellipse: s-maj=6.4km s-min=34.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=24.6.
GII Event type ke.
THR Error ellipse: s-maj=4.0km s-min=5.7km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=123.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.9km az=5.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s63,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.12 $M_{\theta\theta}$-1.48±.08; $M_{\phi\phi}$1.75±.09; $M_{r\theta}$0.90±.22; $M_{\theta\phi}$0.66±.08; $M_{\phi r}$-0.28±.19; Best double couple: NP1:ϕ_s329.00000°,δ73.00000°,λ-158.00000°. NP2:ϕ_s233.00000°,δ69.00000°,λ-18.00000°. Principal axes: T 1.8840,Plg3.0000° ,Azm100.0000°; N 0.2030,Plg62.0000°,Azm4.0000°; P -2.0930,Plg27.0000°,Azm192.0000° $M_0$1.98800×10^{16}
DSN Error ellipse: s-maj=11.0km s-min=4.4km az=51.0.
OMAN Error ellipse: s-maj=68.0km s-min=15.6km az=231.0.
IDC Error ellipse: s-maj=14.1km s-min=10.7km az=167.0.
AZER Error ellipse: s-maj=22.1km s-min=13.2km az=155.0.
ISC XII 04 17 37 45.4–.72 31.93N–.05 49.11E–.05 20 3.7b 46 0-85
IDC XII 04 17 37 41.4–1.4 31.71N 49.27E 0 3.9,3.7 ¶601996048
ISCJB XII 04 17 37 44.7–.76 31.87N–.08 49.08E–.05 20 3.7b,3.5s
TEH XII 04 17 37 44.3 32.03N 49.18E 10 3.7L,3.5s
THR XII 04 17 37 44.1–.35 32.07N 49.17E 14–6 3.9L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=18.9km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.6km az=21.8.
THR Error ellipse: s-maj=4.9km s-min=3.3km az=-1.0.
ISC XII 05 13 15 48.7–1.3 31.78N–.06 49.58E–.04 20 26 1-7
TEH XII 05 13 15 47.6 31.74N 49.64E 11 3.1L ¶604740901
ISCJB XII 05 13 15 49.7–.90 31.74N–.08 49.62E–.07 20 3.1L
THR XII 05 13 15 57.7–21 32.76N 49.33E 15–999 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.0km az=28.5.
THR Error ellipse: s-maj=387.9km s-min=790.1km az=-1.0.
ISC XII 05 21 09 02.4–1.2 32.35N–.05 48.82E–.05 23 30 0-5
ISN XII 05 21 08 53.4–.30 32.47N 48.41E 0 3.3L ¶602216551
TEH XII 05 21 09 02.2 32.40N 49.00E 14 3.3L
ISCJB XII 05 21 09 03.2–.57 32.34N–.05 48.93E–.04 23 3.3L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 15 07 46 42.3–1.3 36.80N–.03 49.81E–.03 3–12 47 1-5
AZER XII 15 07 46 42.4–.05 36.88N 50.08E 28–2 3.5L ¶604741079
THR XII 15 07 46 43.5–.79 36.70N 49.78E 14–7 3.6L
TEH XII 15 07 46 43.6 36.69N 49.79E 10 3.8L
ISC Event type ke.
AZER Error ellipse: s-maj=84.1km s-min=3.8km az=333.0.
THR Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
ISC XII 15 11 34 33.7–.97 31.97N–.08 49.42E–.05 10 3.2b 24 1-47
IDC XII 15 11 34 30.5–2.6 31.43N 49.62E 0 3.8L,3.5 ¶602391384
ISCJB XII 15 11 34 31.9–1.0 31.78N–.10 49.40E–.06 10 3.1b,3.5
TEH XII 15 11 34 33.9 32.04N 49.37E 10 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=34.5km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.1km az=9.3.
ISC XII 17 01 43 20.1–1.4 31.98N–.08 48.01E–.05 10 21 2-6
ISN XII 17 01 43 15.8–.86 31.86N 48.02E 0–169 3.4L ¶602213912
ISCJB XII 17 01 43 20.7–1.0 31.97N–.09 47.91E–.06 10 3.4L
TEH XII 17 01 43 21.4 32.10N 48.08E 10 3.3L
ISC Event type ke.
ISN Error ellipse: s-maj=118.8km s-min=175.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.3km az=19.1.
ISC XII 18 13 51 54.6–1.0 33.42N–.03 48.31E–.03 13–7 84 0-83
ISN XII 18 13 51 51.2–.80 33.25N 48.21E 14–3 3.8L ¶602213915
SGS XII 18 13 51 52.8 33.81N 48.24E 9 3.8L
IDC XII 18 13 51 52.1–.93 33.34N 48.30E 0 3.9,3.8
THR XII 18 13 51 54.0–.43 33.53N 48.29E 14–4 3.8L,3.8
TEH XII 18 13 51 54.5 33.40N 48.38E 4 3.9L,3.8
DSN XII 18 13 52 04.5–1.6 32.51N 48.59E 15 3.9L,3.8
ISC Event type ke.
ISN Error ellipse: s-maj=2.9km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=18.2km az=174.0.
THR Error ellipse: s-maj=1.4km s-min=5.0km az=-1.0.
DSN Error ellipse: s-maj=23.5km s-min=13.1km az=21.0.
ISC XII 26 01 26 40.6–.87 30.52N–.08 49.87E–.06 25 3.4b 29 2-48
IDC XII 26 01 26 38.8–2.2 30.87N 49.74E 0 3.8,3.7 ¶602380610
ISCJB XII 26 01 26 39.0–.90 30.46N–.10 49.79E–.06 25 3.5b,3.7
TEH XII 26 01 26 40.3 30.70N 49.97E 10 3.7L,3.7
THR XII 26 01 26 42.8–.63 30.72N 50.03E 38–8 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=23.1km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.8km az=171.6.
THR Error ellipse: s-maj=4.3km s-min=6.4km az=-1.0.

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ISC VII 01 02 49 47.6–.51 31.72N–.02 50.94E–.02 4–2 5.0b,4.3s 1228 0-126
TEH VII 01 02 49 45.5 31.81N 51.02E 6 4.8L,4.3s ¶601218160
GCMT VII 01 02 49 46.0–.20 31.67N 50.90E 17–0 5.1W,4.3s
NEIC VII 01 02 49 46.0–.00 31.84N 51.02E 7 5.0b,4.9
GII VII 01 02 49 47.6–.31 31.69N 51.00E 10 5.0b,4.9
BJI VII 01 02 49 47.0 31.80N 51.00E 7 5.2b,4.9b
CSEM VII 01 02 49 47.8–.07 31.75N 50.87E 5 5.0b,4.9b
ISCJB VII 01 02 49 47.8–.46 31.65N–.01 50.85E–.01 15–3 4.9b,4.4s
THR VII 01 02 49 48.5–.35 31.72N 51.02E 14–5 4.7L,4.4s
MOS VII 01 02 49 48.9–1.3 31.71N 50.84E 26 5.1b,4.2s
DSN VII 01 02 49 48.9–.31 31.65N 50.90E 12 5.0b,4.8L
IDC VII 01 02 49 49.4–1.7 31.76N 50.88E 19–9 4.7,4.7
OMAN VII 01 02 49 50.5–.71 31.61N 51.09E 7 4.7,4.7
ISC Event type ke.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s47,c65; s92,c159; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.31±.17 $M_{\theta\theta}$-4.92±.12; $M_{\phi\phi}$0.61±.11; $M_{r\theta}$-1.95±.29; $M_{\theta\phi}$-0.18±.09; $M_{\phi r}$-1.26±.38; Best double couple: NP1:ϕ_s254.00000° ,δ58.00000°,λ73.00000°. NP2:ϕ_s103.00000°,δ35.00000°,λ115.00000°. Principal axes: T 5.0320,Plg71.0000°,Azm125.0000°; N 0.3170,Plg14.0000°,Azm263.0000° ; P -5.3460,Plg12.0000°,Azm356.0000° $M_0$5.18900×10^{16}
NEIC Event type se. After TEH.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=25.6.
THR Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=117.2.
DSN Error ellipse: s-maj=7.1km s-min=3.7km az=45.0.
IDC Error ellipse: s-maj=9.8km s-min=9.2km az=166.0.
OMAN Error ellipse: s-maj=15.4km s-min=5.3km az=60.0.
ISC VII 01 22 01 25.7–.53 34.57N–.02 59.95E–.02 11–3 5.2b,4.5s 1106 1-152
CNRM VII 01 22 01 12.2 35.24N 63.00E 15 5.6L,4.5s ¶601221100
ISCJB VII 01 22 01 23.5–.47 34.55N–.02 59.96E–.01 7–3 5.1b,4.6s
NEIC VII 01 22 01 25.9–.00 34.48N 59.93E 28 5.3L,5.3
BJI VII 01 22 01 25.2 34.61N 60.10E 9 5.2b,5.1s
TEH VII 01 22 01 25.9 34.48N 59.93E 28 5.3L,5.1s
THR VII 01 22 01 25.8–.38 34.58N 59.89E 18–3 5.3L,5.1s
GCMT VII 01 22 01 25.9–.20 34.51N 59.94E 21–0 5.2W,5.1s
CSEM VII 01 22 01 25.2–.08 34.55N 59.98E 8 5.2b,5.1W
MOS VII 01 22 01 26.3–1.0 34.48N 59.93E 28 5.4b,4.4s
NNC VII 01 22 01 28.7–4.4 34.84N 60.31E 0 5.3b,4.9
DSN VII 01 22 01 28.8–.38 34.55N 59.80E 40 5.2b,4.9
IDC VII 01 22 01 32.2–2.6 34.50N 59.92E 65–23 5.0,4.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=3.0.
NEIC Event type se. After TEH. Moment Tensor Solution. s19 Moment tensor: Scale 10^{16}Nm; M_{rr}4.63 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$-2.86 $M_{r\theta}$-1.41 $M_{\theta\phi}$1.80 $M_{\phi r}$1.12 Best double couple: NP1:ϕ_s148.00000° ,δ34.00000°,λ98.00000°. NP2:ϕ_s318.00000°,δ56.00000°,λ85.00000°. Principal axes: T 5.0000,Plg78.0000°,Azm209.0000°; N -0.4700,Plg4.0000°,Azm321.0000° ; P -4.5200,Plg11.0000°,Azm52.0000° $M_0$4.80000×10^{16}
THR Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s81,c127; s100,c185; Duration: 1ℊ0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.19±.16 $M_{\theta\theta}$-1.19±.12; $M_{\phi\phi}$-4.99±.11; $M_{r\theta}$-3.37±.25; $M_{\theta\phi}$2.25±.09; $M_{\phi r}$2.58±.20; Best double couple: NP1:ϕ_s321.00000°,δ62.00000° ,λ77.00000°. NP2:ϕ_s168.00000°,δ30.00000°,λ114.00000°. Principal axes: T 7.7120,Plg70.0000°,Azm203.0000°; N -0.5610,Plg12.0000°,Azm327.0000° ; P -7.1410,Plg16.0000°,Azm60.0000° $M_0$7.42700×10^{16}
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=157.0.
MOS Error ellipse: s-maj=5.0km s-min=3.6km az=127.4.
NNC Event type se. Error ellipse: s-maj=49.9km s-min=21.2km az=19.0.
DSN Error ellipse: s-maj=6.0km s-min=4.7km az=95.0.
IDC Error ellipse: s-maj=10.2km s-min=7.7km az=163.0.
TEH VII 01 22 05 53.7 34.55N 59.96E 10 3.9L
CSEM VII 01 22 05 53.7 34.55N 59.96E 10 3.9L ¶604846751
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.

ISC VII 01 22 18 17.9–.62 34.48N–.03 59.97E–.05 10 3.6b 68 1-89
IDC VII 01 22 18 14.3–.91 34.21N 59.85E 0 3.8,3.6 **¶601221103**
ISCJB VII 01 22 18 17.0–.43 34.51N–.03 59.86E–.05 10 3.6b,3.6
THR VII 01 22 18 16.2–.28 34.65N 59.94E 15–2 3.9L,3.6
CSEM VII 01 22 18 17.7–.25 34.51N 59.85E 5 3.9L,3.6
TEH VII 01 22 18 19.4 34.49N 59.98E 24 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=15.4km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=10.4.
THR Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=86.0.
ISC VII 02 04 21 08.1–1.1 35.84N–.03 52.01E–.02 6–12 74 0-4
TEH VII 02 04 21 06.8 35.79N 52.02E 8 3.6L **¶602027388**
CSEM VII 02 04 21 08.7–.25 35.83N 52.01E 10 3.7L
THR VII 02 04 21 08.3–.64 35.77N 51.94E 13–3 3.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=3.0.
THR Error ellipse: s-maj=2.3km s-min=2.7km az=-1.0.
ISC VII 02 23 24 07.2–1.1 36.98N–.06 55.34E–.05 24 57 0-8
ISCJB VII 02 23 24 06.4–.41 37.13N–.04 55.27E–.04 24 **¶604846762**
TEH VII 02 23 24 07.4 36.77N 55.44E 10 3.4L
CSEM VII 02 23 24 08.2–.46 37.07N 55.29E 20–0 3.2L
AZER VII 02 23 24 10.8–.94 36.96N 55.12E 60 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.6km az=19.7.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=8.3km az=167.0.
AZER Error ellipse: s-maj=23.2km s-min=7.4km az=43.0.
ISC VII 04 19 10 16.4–1.1 31.85N–.04 55.85E–.04 13 44 1-8
CSEM VII 04 19 10 15.9–.21 31.89N 55.84E 2 3.9L **¶601241303**
THR VII 04 19 10 15.0–.28 31.73N 55.96E 15 3.9L
ISCJB VII 04 19 10 16.1–.46 31.90N–.04 55.78E–.04 13 3.9L
TEH VII 04 19 10 16.7 31.89N 55.85E 5 3.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=160.0.
THR Error ellipse: s-maj=1.6km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=169.8.
ISC VII 06 23 40 11.4–.79 34.51N–.03 60.08E–.05 10 3.6b 61 1-35
TEH VII 06 23 40 08.2 34.51N 59.92E 19 3.7L **¶601663565**
ISCJB VII 06 23 40 09.8–.48 34.49N–.03 59.84E–.06 10 3.4b,2.4s
CSEM VII 06 23 40 11.1–.25 34.51N 59.95E 20 3.7L,2.4s
IDC VII 06 23 40 11.8–2.2 34.69N 60.13E 0 3.5,3.4
THR VII 06 23 40 12.1–.41 34.38N 59.88E 40–3 3.7L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.9km az=0.5.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.6km az=86.0.
IDC Error ellipse: s-maj=33.1km s-min=21.8km az=2.0.
THR Error ellipse: s-maj=2.5km s-min=2.4km az=-1.0.
ISC VII 20 00 16 53.5–.45 35.30N–.03 58.14E–.04 18 4.4b,3.6s 265 1-92
TEH VII 20 00 16 49.6 35.27N 58.14E 10 4.5L,3.6s **¶601451955**
NEIC VII 20 00 16 49.5–.00 35.25N 58.11E 14 4.4L,4.4
IDC VII 20 00 16 49.7–1.1 35.34N 57.94E 0 4.3,4.2
THR VII 20 00 16 51.4–.48 35.22N 58.08E 26–7 4.4L,4.2
CSEM VII 20 00 16 51.7–.15 35.28N 58.15E 10 4.2b,4.2
ISCJB VII 20 00 16 51.4–.18 35.31N–.02 58.13E–.02 18 4.3b,3.6s
BJI VII 20 00 16 52.3 35.50N 58.20E 20 4.7b,4.6b
MOS VII 20 00 16 53.9–1.7 35.42N 58.12E 33 4.3b,4.6b
NNC VII 20 00 16 57.8–4.3 35.46N 58.47E 31–25 4.7,4.5b
ISC Event type ke.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=17.2km s-min=15.1km az=3.0.
THR Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=168.4.
MOS Error ellipse: s-maj=6.9km s-min=5.1km az=131.6.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=15.3km az=37.0.
ISC VII 24 06 50 05.7–.56 31.75N–.02 50.94E–.02 6–3 5.2b,4.2s 1282 0-133
IDC VII 24 06 50 04.4–.39 31.79N 50.91E 0 5.0,4.9 **¶601462458**
ISCJB VII 24 06 50 04.8–.44 31.70N–.01 50.93E–.01 11–2 5.1b,4.2s
GII VII 24 06 50 04.7–.00 31.79N 50.97E 2 5.1b,4.2s
BJI VII 24 06 50 04.5 31.70N 50.90E 10 5.2b,5.0b
MOS VII 24 06 50 05.5–1.8 31.67N 51.10E 22 5.3b,4.2s
TEH VII 24 06 50 05.1 31.84N 51.02E 10 5.0L,4.2s
GCMT VII 24 06 50 06.0–.30 31.72N 50.92E 18–0 5.0W,4.2s
NEIC VII 24 06 50 06.0–.16 31.71N 50.96E 10 5.2b,5.1
CSEM VII 24 06 50 06.6–.06 31.77N 50.94E 10 5.2b,5.1
DSN VII 24 06 50 07.5–.32 31.58N 50.80E 15 5.0b,4.7L
OMAN VII 24 06 50 09.3–.53 31.68N 51.08E 10 5.0b,4.7L
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=8.9km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=28.6.
GII Event type ke.
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=117.4.
GCMT Error ellipse: s-maj=3.3km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s34,c41; s80,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.15 $M_{\theta\theta}$-3.42±.10; $M_{\phi\phi}$0.53±.10; $M_{r\theta}$-1.09±.21; $M_{\theta\phi}$-0.15±.07; $M_{\phi r}$-0.81±.31; Best double couple: NP1:ϕ_s253.00000° ,δ57.00000°,λ72.00000°. NP2:ϕ_s104.00000°,δ37.00000°,λ115.00000°. Principal axes: T 3.2930,Plg72.0000°,Azm119.0000°; N 0.3330,Plg15.0000°,Azm263.0000° ; P -3.6230,Plg10.0000°,Azm356.0000° $M_0$3.45800×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=187.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=32.0.
DSN Error ellipse: s-maj=8.3km s-min=3.7km az=52.0.
OMAN Error ellipse: s-maj=11.4km s-min=4.0km az=66.0.
ISC VII 24 06 56 35.3–.74 31.79N–.03 50.97E–.02 9–4 4.5b 345 0-84
ISCJB VII 24 06 56 33.9–.19 31.67N–.02 50.95E–.02 10 4.5b **¶605673245**
TEH VII 24 06 56 33.8 31.82N 51.03E 10 4.2L
IDC VII 24 06 56 34.4–.67 31.77N 50.86E 0 4.3,4.3b
BJI VII 24 06 56 35.1 31.80N 50.90E 10 4.9b,4.6s
THR VII 24 06 56 35.8–.32 31.75N 51.00E 17–2 4.1L,4.6s
NEIC VII 24 06 56 35.4–.30 31.75N 50.93E 10 4.7b,4.2
CSEM VII 24 06 56 35.8–.11 31.71N 50.85E 10 4.6b,4.2
DSN VII 24 06 56 35.8–.55 31.70N 50.82E 15 4.9b,4.0L
MOS VII 24 06 56 38.7–1.6 31.73N 50.91E 47 4.7b,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=29.8.
IDC Error ellipse: s-maj=16.4km s-min=12.5km az=161.0.
THR Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=181.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=35.0.
DSN Error ellipse: s-maj=11.2km s-min=5.9km az=44.0.
MOS Error ellipse: s-maj=7.3km s-min=4.9km az=115.8.
ISC VII 25 11 52 17.8–.68 36.03N–.03 52.15E–.02 11 3.7b 107 0-31
TEH VII 25 11 52 14.8 36.05N 52.15E 6 3.7L **¶601666421**
IDC VII 25 11 52 15.8–3.0 35.88N 52.06E 0 3.8,3.8
CSEM VII 25 11 52 16.7–.16 36.04N 52.15E 2 3.7L,3.8
ISCJB VII 25 11 52 16.7–.28 36.06N–.02 52.11E–.03 11 3.6b,3.8
THR VII 25 11 52 16.8–.43 36.00N 52.12E 6–4 3.6L,3.8
AZER VII 25 11 52 17.5–99 36.18N 51.92E 6–15 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=16.0km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=135.3.
THR Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
AZER Error ellipse: s-maj=239.3km s-min=9.1km az=324.0.
ISC VII 27 21 19 29.8–.44 36.78N–.04 51.30E–.03 10 4.1b,3.0s 308 1-96
AZER VII 27 21 19 25.0–73 36.89N 51.16E 1–0 4.2L,3.0s **¶601483961**
THR VII 27 21 19 26.9–.44 36.82N 51.30E 6–4 4.1L,3.0s
TEH VII 27 21 19 26.7 36.79N 51.30E 6 4.1L,3.0s
NEIC VII 27 21 19 26.9–.00 36.82N 51.30E 6 4.2b,4.1L
ISCJB VII 27 21 19 28.4–.17 36.88N–.02 51.30E–.02 10 4.0b,3.1s
IDC VII 27 21 19 28.3–1.1 36.85N 51.27E 0 4.0,3.9
CSEM VII 27 21 19 28.7–.11 36.83N 51.28E 2 4.1b,3.9
MOS VII 27 21 19 32.8–1.6 37.30N 51.36E 19 4.2b,3.9
NNC VII 27 21 19 47.7–4.4 37.52N 54.51E 0 4.1b,3.9
ISC Event type ke.
AZER Error ellipse: s-maj=16.0km s-min=1.4km az=324.0.
THR Error ellipse: s-maj=3.2km s-min=5.6km az=-1.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=144.0.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=57.0.
MOS Error ellipse: s-maj=8.4km s-min=4.4km az=116.3.
NNC Event type se. Error ellipse: s-maj=71.8km s-min=33.0km az=85.0.
ISC VII 27 21 39 06.2–.35 36.82N–.03 51.32E–.02 10 4.3b,3.5s 388 1-78
AZER VII 27 21 39 03.7–99 36.65N 51.09E 10–0 4.6L,3.5s **¶601483963**
NEIC VII 27 21 39 04.5–.00 36.82N 51.34E 6 4.4b,4.2
THR VII 27 21 39 04.5–.69 36.82N 51.34E 6–5 4.2L,4.2
TEH VII 27 21 39 05.6 36.80N 51.32E 10 4.2L,4.2
IDC VII 27 21 39 05.1–.83 36.80N 51.29E 0 4.1,4.0
ISCJB VII 27 21 39 05.8–.14 36.83N–.02 51.36E–.02 10 4.2b,3.4s
CSEM VII 27 21 39 06.3–.08 36.81N 51.33E 2 4.3b,3.4s
BJI VII 27 21 39 06.9 37.34N 51.31E 6 4.5b,4.5b
MOS VII 27 21 39 07.8–1.3 37.19N 51.38E 12 4.3b,4.5b
NNC VII 27 21 39 15.7–10 37.80N 51.90E 0 4.4b,4.2
ISC Event type fe.
AZER Error ellipse: s-maj=21.2km s-min=1.7km az=328.0.
NEIC Event type fe. Felt at Now Shahr and Tonekabon. After THR.
THR Error ellipse: s-maj=5.0km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=9.2km az=9.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=43.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=51.0.
MOS Error ellipse: s-maj=6.7km s-min=4.2km az=116.9.
NNC Event type se. Error ellipse: s-maj=86.0km s-min=54.7km az=57.0.
TEH VII 29 12 10 38.2 33.38N 50.97E 5 2.7L ¶604846869
ISC VIII 02 07 10 55.9–.48 30.73N–.03 51.78E–.04 15 4.0b,3.1s 97 1-94
IDC VIII 02 07 10 53.7–.90 30.74N 51.71E 0 4.1,4.0 **¶601706351**
ISCJB VIII 02 07 10 55.0–.26 30.60N–.02 51.68E–.04 15 3.9b,3.1s
TEH VIII 02 07 10 55.0 30.75N 51.77E 9 3.8L,3.1s
NEIC VIII 02 07 10 55.2–.00 30.74N 51.76E 10 4.2b,3.8
THR VIII 02 07 10 56.2–.58 30.74N 51.75E 15 3.6L,3.8
OMAN VIII 02 07 11 00.4–1.5 30.38N 51.86E 9 3.6L,3.8
DSN VIII 02 07 11 02.7–1.4 30.21N 51.78E 15 3.8L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=14.2km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.9km az=150.5.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
OMAN Error ellipse: s-maj=108.4km s-min=22.0km az=230.0.
DSN Error ellipse: s-maj=21.1km s-min=9.7km az=23.0.
ISC VIII 04 08 18 29.0–.39 31.71N–.03 50.32E–.03 10 4.2b,3.2s 235 1-97
ISCJB VIII 04 08 18 27.6–.19 31.60N–.02 50.22E–.02 10 4.1b,3.3s **¶601518068**
IDC VIII 04 08 18 27.8–.68 31.71N 50.21E 0 4.1,4.0
TEH VIII 04 08 18 28.0 31.76N 50.35E 10 4.1L,4.0
MOS VIII 04 08 18 29.7–1.5 31.65N 50.16E 25 4.3b,4.0
THR VIII 04 08 18 29.5–.82 31.68N 50.32E 16–8 4.0L,4.0
NEIC VIII 04 08 18 29.5–.00 31.66N 50.31E 18 4.4b,4.2
DSN VIII 04 08 18 36.8–1.6 31.05N 50.31E 15 4.1L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.7km az=36.9.
IDC Error ellipse: s-maj=15.5km s-min=12.0km az=175.0.
MOS Error ellipse: s-maj=7.9km s-min=5.7km az=97.2.
THR Error ellipse: s-maj=3.2km s-min=5.2km az=-1.0.
NEIC Event type se. After THR.
DSN Error ellipse: s-maj=23.6km s-min=10.0km az=16.0.
ISC VIII 05 19 54 44.5–1.2 36.10N–.03 53.69E–.03 2–9 3.3b 110 0-58
NNC VIII 05 19 54 41.3–1.6 36.25N 53.12E 0 4.3,4.3b **¶601565834**
TEH VIII 05 19 54 43.7 36.09N 53.73E 5 3.6L,4.3b
ISCJB VIII 05 19 54 44.9–.45 36.15N–.02 53.64E–.02 11–3 3.3b,3.2s
THR VIII 05 19 54 44.5–.46 36.05N 53.75E 14–8 3.6L,3.2s
IDC VIII 05 19 54 47.7–1.9 36.42N 53.61E 0 3.6,3.5
AZER VIII 05 19 54 48.3–.81 36.10N 53.49E 14 4.0L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=21.2.
THR Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=30.2km s-min=18.3km az=9.0.
AZER Error ellipse: s-maj=14.1km s-min=6.9km az=46.0.
ISC VIII 06 07 04 18.5–.89 35.94N–.02 53.32E–.02 8–6 4.1b,3.4s 196 0-89
ISCJB VIII 06 07 04 17.4–.47 35.98N–.02 53.31E–.02 2–3 4.1b,3.4s **¶601520359**
AZER VIII 06 07 04 17.7–.98 35.49N 52.91E 10 4.3L,3.4s
TEH VIII 06 07 04 17.5 35.91N 53.33E 5 4.2L,3.4s
THR VIII 06 07 04 18.3–.87 35.94N 53.30E 14–7 4.1L,3.4s
NEIC VIII 06 07 04 18.2–.00 35.94N 53.30E 15 4.2b,4.1
IDC VIII 06 07 04 19.1–.95 36.00N 53.42E 0 4.1,4.0
NNC VIII 06 07 04 27.5–2.0 36.79N 53.48E 0 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=26.5.
AZER Error ellipse: s-maj=16.6km s-min=9.0km az=67.0.
THR Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=16.4km s-min=12.8km az=162.0.
NNC Event type se. Error ellipse: s-maj=34.7km s-min=19.1km az=131.0.
ISC VIII 09 23 45 01.1–.39 33.51N–.03 59.41E–.03 10 4.1b,3.2s 181 0-91
IDC VIII 09 23 44 59.5–.65 33.37N 59.40E 0 4.0,4.0 **¶601534309**
ISCJB VIII 09 23 45 00.6–.19 33.50N–.02 59.46E–.02 10 4.0b,3.2s
TEH VIII 09 23 45 00.2 33.52N 59.38E 7 4.1L,3.2s
NEIC VIII 09 23 45 00.5–.00 33.49N 59.42E 10 4.1,4.1b
THR VIII 09 23 45 01.3–.58 33.59N 59.39E 15–4 3.9L,4.1b
MOS VIII 09 23 45 03.3–1.6 33.57N 59.55E 33 4.3b,4.1b
NNC VIII 09 23 45 07.7–2.2 33.78N 59.87E 18–10 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=12.0km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=170.2.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=3.9km s-min=2.2km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=6.0km az=71.8.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=10.5km az=15.0.
ISC VIII 11 17 27 11.1–.93 32.13N–.06 60.02E–.08 10 3.5b,3.0s 36 1-56
TEH VIII 11 17 27 09.7 32.14N 60.05E 5 3.9L,3.0s **¶601765758**
IDC VIII 11 17 27 09.2–1.5 31.99N 60.02E 0 3.7,3.6
ISCJB VIII 11 17 27 10.8–.68 32.18N–.05 60.08E–.07 10 3.5b,2.9s
THR VIII 11 17 27 12.0–.44 32.20N 59.84E 46–3 3.7L,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=18.7km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.0km az=34.0.
THR Error ellipse: s-maj=3.8km s-min=7.0km az=-1.0.
NNC VIII 15 03 41 21.7–21 36.84N 51.24E 0 3.9b,3.2 ¶601629597
NNC Event type se. Error ellipse: s-maj=186.8km s-min=96.5km az=36.0.
ISC VIII 15 11 26 46.8–.92 30.32N–.04 51.94E–.06 15 32 1-7
TEH VIII 15 11 26 46.2 30.22N 51.74E 10 3.4L **¶604084508**
OMAN VIII 15 11 26 51.2–.61 30.00N 51.88E 18 3.4L
DSN VIII 15 11 26 52.9–1.2 30.00N 52.28E 10 3.5L
ISC Event type ke.
OMAN Error ellipse: s-maj=26.4km s-min=8.0km az=230.0.
DSN Error ellipse: s-maj=45.7km s-min=11.5km az=50.0.
ISC VIII 17 20 31 27.2–.85 35.83N–.03 51.87E–.02 9–6 3.7b 99 0-22
ISCJB VIII 17 20 31 26.0–.47 35.92N–.02 51.88E–.02 3–4 3.6b **¶601766023**
TEH VIII 17 20 31 26.7 35.81N 51.88E 8 3.7L
THR VIII 17 20 31 26.6–.63 35.80N 51.87E 9–3 3.8L
NEIC VIII 17 20 31 26.6–.00 35.83N 51.88E 7 3.8,3.8b

AZER VIII 17 20 31 30.6–1.1 36.17N 52.00E 15 4.0L,3.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=21.6.
THR Error ellipse: s-maj=3.1km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt [II] at Tehran. Also felt at Damavand. After TEH.
AZER Error ellipse: s-maj=20.0km s-min=5.5km az=72.0.
ISC VIII 28 11 49 19.8–.95 30.81N–.04 56.78E–.05 10 28 1-6
TEH VIII 28 11 49 19.7 30.78N 56.77E 10 3.7L **¶604737928**
ISCJB VIII 28 11 49 20.4–.46 30.74N–.03 56.81E–.05 10 3.7L
THR VIII 28 11 49 20.8–.32 30.75N 56.72E 18–4 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=9.0.
THR Error ellipse: s-maj=1.1km s-min=4.5km az=-1.0.
ISC IX 02 00 50 01.7–.48 33.39N–.03 60.07E–.02 20–2 5.0b,4.3s 729 0-140
IDC IX 02 00 49 58.1–.35 33.37N 60.00E 0 4.8,4.7 **¶601672854**
TEH IX 02 00 50 00.1 33.45N 59.96E 11 5.1L,4.7
GCMT IX 02 00 50 00.5–.20 33.35N–.02 60.04E–.02 21–0 5.0W,4.7
ISCJB IX 02 00 50 00.7–.45 33.46N–.02 60.03E–.01 25–3 4.9b,4.3s
THR IX 02 00 50 00.4–.42 33.44N 59.95E 18–5 5.1L,4.3s
MOS IX 02 00 50 00.1–.97 33.45N 59.97E 21 5.1b,4.1s
NEIC IX 02 00 50 00.5–.00 33.47N 59.90E 12 5.2,5.1L
BJI IX 02 00 50 01.7 33.42N 60.22E 20 5.1b,4.8b
OMAN IX 02 00 50 02.1–6.5 33.52N 59.99E 16–45 5.1b,4.8b
DSN IX 02 00 50 07.6–2.0 33.43N 59.47E 25 4.6b,4.1L
NNC IX 02 00 50 09.5–1.4 34.26N 60.68E 0 5.2,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=8.9km s-min=8.0km az=165.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c66; s77,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.18 $M_{\theta\theta}$-2.44±.15; $M_{\phi\phi}$-1.00±.12; $M_{r\theta}$-0.47±.27; $M_{\theta\phi}$2.67±.10; $M_{\phi r}$1.69±.25; Best double couple: NP1:ϕ_s325.00000°,δ58.00000°,λ112.00000°. NP2:ϕ_s108.00000°,δ39.00000°,λ59.00000°. Principal axes: T 4.0420,Plg69.0000° ,Azm283.0000°; N 0.6880,Plg19.0000°,Azm133.0000°; P -4.7310,Plg10.0000°,Azm39.0000° $M_0$4.38700×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.1km az=5.0.
THR Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.
MOS Error ellipse: s-maj=4.9km s-min=3.4km az=124.7.
NEIC Event type se. After TEH.
OMAN Error ellipse: s-maj=19.1km s-min=14.5km az=11.0.
DSN Error ellipse: s-maj=37.5km s-min=7.0km az=78.0.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=7.8km az=32.0.
ISC IX 08 13 08 01.6–1.0 36.84N–.06 54.99E–.03 15 29 1-5
TEH IX 08 13 08 01.8 36.76N 55.03E 10 3.6L **¶604737948**
THR IX 08 13 08 02.2–.38 36.82N 55.02E 14–4 3.6L
ISCJB IX 08 13 08 04.0–.61 36.68N–.07 55.04E–.05 15 3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 10 15 35 45.0–1.1 31.52N–.04 59.34E–.06 10 24 1-7
THR IX 10 15 35 44.9–.44 31.44N 59.26E 18–8 3.7L **¶604737950**
ISCJB IX 10 15 35 45.5–.68 31.58N–.04 59.31E–.07 10 3.7L
TEH IX 10 15 35 45.2 31.56N 59.34E 13 3.9L
ISC Event type ke.
THR Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.1km az=23.7.
TEH IX 13 20 26 08.2 33.38N 56.94E 5 3.5L
¶606510592
ISC IX 21 03 28 34.4–.40 32.11N–.04 58.51E–.04 10 4.5b,3.9s 200 1-91
NNC IX 21 03 28 24.2–5.7 31.70N 56.31E 0 4.7,4.7b **¶601735552**
NEIC IX 21 03 28 30.0–.00 32.14N 58.48E 6 4.9,4.8L
THR IX 21 03 28 30.0–.39 31.95N 58.31E 14–6 4.8L,4.8L
IDC IX 21 03 28 30.6–1.1 31.93N 58.41E 0 4.4,4.3
TEH IX 21 03 28 31.3 32.13N 58.49E 10 4.7L,4.3
ISCJB IX 21 03 28 32.8–.20 32.16N–.03 58.47E–.02 10 4.4b,3.8s
BJI IX 21 03 28 32.0 32.10N 58.50E 6 4.8b,4.7b
MOS IX 21 03 28 34.6–1.4 32.01N 58.52E 30 4.7b,4.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=209.8km s-min=58.9km az=101.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=28.2km s-min=15.2km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=3.1.
MOS Error ellipse: s-maj=7.1km s-min=5.0km az=112.1.
ISC IX 25 08 15 05.6–1.2 34.85N–.03 51.91E–.03 23 42 0-4
TEH IX 25 08 15 03.1 34.80N 51.95E 5 3.3L **¶604737977**
THR IX 25 08 15 04.2–.66 34.82N 51.91E 14–7 3.5L
ISCJB IX 25 08 15 05.9–.38 34.84N–.04 51.96E–.04 23 3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC X 01 19 23 29.9–.50 36.71N–.04 54.86E–.03 16 3.8b 167 1-57
TEH X 01 19 23 27.7 36.69N 54.79E 10 4.0L **¶601777945**
IDC X 01 19 23 28.1–1.0 36.60N 54.84E 0 3.9,3.8s
ISCJB X 01 19 23 29.0–.18 36.73N–.02 54.77E–.02 16 3.8s,3.7b
THR X 01 19 23 29.1–1.1 36.66N 54.94E 15–8 3.8L,3.7b
NEIC X 01 19 23 29.1–.57 36.50N 54.94E 10 4.2b,4.0
AZER X 01 19 23 32.0–.85 36.65N 54.65E 20 4.0L,4.0
NNC X 01 19 23 36.2–7.4 37.42N 55.17E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=10.5km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=29.2.
THR Error ellipse: s-maj=4.1km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.2km az=151.0.
AZER Error ellipse: s-maj=12.4km s-min=6.7km az=32.0.
NNC Event type se. Error ellipse: s-maj=90.1km s-min=48.1km az=68.0.
ISC X 02 10 47 36.8–.92 35.28N–.03 58.49E–.04 10 29 1-6
TEH X 02 10 47 36.1 35.29N 58.44E 10 3.5L **¶604738010**
THR X 02 10 47 36.9–.58 35.33N 58.41E 18–9 3.7L
ISCJB X 02 10 47 37.3–.44 35.26N–.04 58.46E–.05 10 3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC X 08 18 27 27.6–.84 35.22N–.04 54.52E–.03 10 3.5b 46 1-43
TEH X 08 18 27 26.9 35.23N 54.54E 8 3.7L **¶601997563**
ISCJB X 08 18 27 28.1–.29 35.25N–.03 54.54E–.03 10 3.4b
IDC X 08 18 27 28.7–1.9 35.06N 54.84E 0 3.7,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=0.6.
IDC Error ellipse: s-maj=36.1km s-min=24.8km az=158.0.
TEH X 14 10 19 51.6 36.61N 54.92E 10 3.9L
¶606544492
ISC X 19 04 43 09.0–1.1 37.25N–.04 56.51E–.02 17–8 3.8b 60 1-47
NNC X 19 04 43 07.3–3.0 37.73N 56.16E 0 5.0,4.8b **¶601838865**
TEH X 19 04 43 08.5 37.20N 56.56E 10 4.0L,4.8b
THR X 19 04 43 08.3–.49 37.23N 56.55E 14–6 4.0L,4.8b
IDC X 19 04 43 11.2–2.3 38.04N 56.50E 0 3.9,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.3km s-min=14.9km az=9.0.
THR Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=101.1km s-min=18.1km az=16.0.
ISC XI 11 19 47 42.2–1.1 33.62N–.04 57.18E–.04 6–9 43 0-6
TEH XI 11 19 47 41.3 33.63N 57.18E 11 3.5L **¶604738890**
THR XI 11 19 47 41.5–.33 33.60N 57.11E 11–2 3.5L
ISCJB XI 11 19 47 42.2–.54 33.62N–.03 57.13E–.04 5–4 3.5L
ISC Event type ke.
ISCJB Event type ke.
TEH XI 12 08 34 00.0 36.62N 54.76E 5 3.0L
¶606544535
TEH XI 12 08 35 05.4 36.58N 54.72E 10 3.1L
¶606544536
ISC XI 14 00 46 13.9–1.2 30.33N–.05 57.48E–.05 15 23 0-6
ISCJB XI 14 00 46 13.6–.62 30.43N–.05 57.46E–.07 15 **¶604738957**
THR XI 14 00 46 13.4–.37 30.51N 57.42E 16–4 3.6L
TEH XI 14 00 46 14.1 30.57N 57.42E 10 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.6km az=31.0.
THR Error ellipse: s-maj=3.8km s-min=4.4km az=-1.0.
ISC XI 19 02 51 24.2–.53 31.20N–.04 50.93E–.04 15 4.0b 79 1-95
ISCJB XI 19 02 51 22.8–.29 31.05N–.03 50.75E–.03 15 4.0b **¶602389638**
IDC XI 19 02 51 22.8–1.3 31.29N 50.69E 0 3.8,3.7
THR XI 19 02 51 25.8–.32 31.16N 50.93E 16–3 3.6L,3.7
TEH XI 19 02 51 25.2 31.24N 50.99E 10 3.6L,3.7
DSN XI 19 02 51 30.4–1.9 30.51N 50.79E 15 3.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=147.7.
IDC Error ellipse: s-maj=32.7km s-min=17.4km az=168.0.
THR Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
DSN Error ellipse: s-maj=27.9km s-min=14.0km az=18.0.
ISC XI 19 22 29 11.9–.93 31.17N–.06 50.87E–.04 10 4.3b 35 1-66
TEH XI 19 22 29 12.0 31.21N 50.93E 5 3.2L **¶602389704**
IDC XI 19 22 29 12.1–15 31.26N 50.29E 0 4.1s,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=337.0km s-min=38.9km az=112.0.
ISC XI 30 04 40 11.1–.85 35.96N–.04 53.22E–.03 10 44 0-7
ISCJB XI 30 04 40 10.5–.31 36.01N–.03 53.19E–.03 10 **¶604774913**
TEH XI 30 04 40 10.3 35.95N 53.22E 8 3.3L
AZER XI 30 04 40 14.8–1.8 36.12N 53.13E 15 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=41.2.
AZER Error ellipse: s-maj=21.5km s-min=12.3km az=33.0.
ISC XII 01 08 38 25.6–.59 36.94N–.04 55.14E–.03 24 3.9b 127 1-43
IDC XII 01 08 38 21.9–1.8 36.65N 54.85E 0 3.8,3.7 **¶601995592**
TEH XII 01 08 38 24.4 36.79N 55.18E 10 4.1L,3.7
ISCJB XII 01 08 38 24.8–.23 37.00N–.02 55.04E–.03 24 3.7b,3.7
NEIC XII 01 08 38 24.0–.00 36.79N 55.18E 10 4.1,3.9L
THR XII 01 08 38 25.2–1.0 36.80N 55.23E 14–9 3.9L,3.9L
AZER XII 01 08 38 28.1–5.0 37.04N 54.76E 15 4.2L,3.9L
NNC XII 01 08 38 33.0–7.4 37.68N 55.34E 0 4.4,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=15.9km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=3.7.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=4.5km s-min=6.5km az=-1.0.
AZER Error ellipse: s-maj=37.6km s-min=22.2km az=84.0.
NNC Event type se. Error ellipse: s-maj=80.4km s-min=45.4km az=27.0.
ISC XII 03 12 53 24.5–.30 30.56N–.03 57.22E–.03 11 4.6b,3.9s 377 1-123
NEIC XII 03 12 53 22.9–.00 30.52N 57.23E 5 5.0,4.6b **¶601995970**
IDC XII 03 12 53 22.3–.44 30.46N 57.25E 0 4.5,4.4
BJI XII 03 12 53 22.2 30.48N 57.04E 18 4.8b,4.7b
ISCJB XII 03 12 53 23.4–.13 30.53N–.01 57.27E–.02 11 4.6b,4.0s
MOS XII 03 12 53 23.4–1.1 30.46N 57.27E 18 4.7b,4.0s
THR XII 03 12 53 23.4–.60 30.48N 57.23E 14–8 4.8L,4.0s
OMAN XII 03 12 53 24.8–.19 30.50N 57.21E 10 4.8L,4.0s
TEH XII 03 12 53 24.3 30.54N 57.25E 10 4.8L,4.0s
GCMT XII 03 12 53 24.9–.40 30.36N–.02 57.35E–.04 22–1 4.8W,4.0s
DSN XII 03 12 53 25.1–.79 30.64N 57.05E 10 4.7L,4.2b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Kerman. Also felt at Bahramabad. After TEH.
IDC Error ellipse: s-maj=12.1km s-min=10.8km az=179.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.2km az=9.5.
MOS Error ellipse: s-maj=6.0km s-min=4.5km az=88.1.
THR Error ellipse: s-maj=5.5km s-min=6.7km az=-1.0.
OMAN Error ellipse: s-maj=8.0km s-min=2.9km az=247.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s60,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.17 $M_{\theta\theta}$-2.12±.11; $M_{\phi\phi}$0.74±.10; $M_{r\theta}$0.98±.17; $M_{\theta\phi}$0.33±.09; $M_{\phi r}$0.50±.25; Best double couple: NP1:ϕ_s73.00000°,δ64.00000°,λ61.00000°. NP2:ϕ_s305.00000°,δ38.00000°,λ135.00000°. Principal axes: T 1.9130,Plg60.0000° ,Azm299.0000°; N 0.4780,Plg26.0000°,Azm87.0000°; P -2.3880,Plg14.0000°,Azm184.0000° $M_0$2.15000×10^{16}
DSN Error ellipse: s-maj=14.1km s-min=9.0km az=102.0.
TEH XII 03 13 44 27.9 30.52N 57.27E 10 3.7L
¶606510630
ISC XII 04 00 21 43.7–.74 30.50N–.04 57.31E–.04 15 3.3b 41 1-54
THR XII 04 00 21 42.7–.86 30.49N 57.24E 14–7 3.6L **¶602390414**
ISCJB XII 04 00 21 43.6–.41 30.45N–.03 57.27E–.05 15 3.2b
TEH XII 04 00 21 43.3 30.52N 57.28E 10 3.7L
IDC XII 04 00 21 48.6–2.1 30.48N 57.87E 83–29 3.4,3.1
ISC Event type ke.
THR Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=7.8.
IDC Error ellipse: s-maj=24.2km s-min=15.3km az=92.0.
ISC XII 05 17 08 13.5–.45 33.51N–.02 59.61E–.02 13–2 5.7s,5.5b 1473 0-164
ISCJB XII 05 17 08 10.2–.37 33.54N–.01 59.62E–.01 1–2 5.6s,5.5b **¶601996088**
IDC XII 05 17 08 11.1–.30 33.46N 59.61E 0 5.3s,5.3
TEH XII 05 17 08 11.6 33.49N 59.55E 8 5.6L,5.3
THR XII 05 17 08 12.3–.32 33.47N 59.56E 14–10 5.4L,5.3
MOS XII 05 17 08 12.2–.99 33.45N 59.52E 17 5.7b,5.5s
NEIC XII 05 17 08 12.0–.00 33.49N 59.31E 11 5.7b,5.5s
GCMT XII 05 17 08 12.6–.10 33.41N–.01 59.60E–.01 15 5.8W,5.5s
DSN XII 05 17 08 12.2–.49 33.63N 59.49E 6 5.4s,5.4b
BJI XII 05 17 08 12.2 33.71N 59.85E 6 6.0s,5.8
OMAN XII 05 17 08 13.5–1.4 33.48N 59.76E 5 6.0s,5.8
NEIC XII 05 17 08 13.6–1.5 33.51N 59.57E 14–9 5.8W,5.6W
NNC XII 05 17 08 16.6–2.2 33.82N 60.00E 0 5.8,5.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=16.5.
IDC Error ellipse: s-maj=7.9km s-min=6.1km az=176.0.
THR Error ellipse: s-maj=2.6km s-min=4.2km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=3.1km az=123.7.
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.40 $M_{\theta\theta}$-1.79 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.78 $M_{\theta\phi}$3.57 $M_{\phi r}$3.72 Best double couple: NP1:ϕ_s347.00000° ,δ72.00000°,λ132.00000°. NP2:ϕ_s96.00000°,δ45.00000°,λ26.00000°. Principal axes: T 5.9000,Plg45.0000°,Azm300.0000°; N -0.5700,Plg39.0000°,Azm151.0000° ; P -5.3300,Plg15.0000°,Azm47.0000° $M_0$5.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c203; s134,c354; Duration: 1ϑ9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.92±.04 $M_{\theta\theta}$-1.70±.04; $M_{\phi\phi}$-0.22±.04; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$3.90±.03; $M_{\phi r}$3.82±.13; Best double couple: NP1:ϕ_s348.00000°,δ76.00000° ,λ133.00000°. NP2:ϕ_s92.00000°,δ45.00000°,λ19.00000°. Principal axes: T 5.7300,Plg42.0000°,Azm298.0000°; N 0.0440,Plg42.0000°,Azm155.0000° ; P -5.7800,Plg19.0000°,Azm47.0000° $M_0$5.75500×10^{17}
DSN Error ellipse: s-maj=8.7km s-min=6.2km az=103.0.
OMAN Error ellipse: s-maj=38.2km s-min=26.2km az=298.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=194.0. Felt [IV] at Qayen. Also felt at Birjand. Felt at Herat and Shindand, Afghanistan. Moment Tensor Solution. s66 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.43 $M_{\theta\phi}$2.65 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s91.00000°,δ60.00000°,λ28.00000°. NP2:ϕ_s346.00000° ,δ66.00000°,λ146.00000°. Principal axes: T 2.9000,Plg40.0000°,Azm306.0000° ; N 0.6000,Plg50.0000°,Azm135.0000°; P -3.5100,Plg4.0000°,Azm40.0000° $M_0$3.30000×10^{17}
NNC Event type se. Error ellipse: s-maj=25.6km s-min=15.3km az=26.0.
TEH XII 06 05 22 33.0 30.85N 57.40E 10 3.6L
¶606510638
ISC XII 08 13 44 19.3–.58 33.49N–.03 59.56E–.04 10 3.5b 57 0-84
IDC XII 08 13 44 18.1–1.1 33.40N 59.44E 0 3.7,3.7 **¶602390818**
ISCJB XII 08 13 44 19.5–.31 33.47N–.03 59.57E–.03 10 3.5b,3.7
TEH XII 08 13 44 19.1 33.47N 59.54E 7 3.8L,3.7
THR XII 08 13 44 19.6–.40 33.40N 59.59E 18–7 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=18.8km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=24.4.
THR Error ellipse: s-maj=3.7km s-min=3.2km az=-1.0.
TEH XII 10 12 47 34.6 30.56N 57.20E 10 3.6L
¶606510649

ISC	**XII**	**11 21 47 42.4–.63**	**36.11N–.04**	**53.72E–.02**	**10**		**105**	**0-43**
IDC	XII	11 21 47 41.8–2.1	35.94N	53.65E	0	3.7,3.5		¶602058077
ISCJB	XII	11 21 47 42.7–.23	36.16N–.02	53.64E–.02	10	3.7,3.5		
AZER	XII	11 21 47 42.3–.02	36.14N	53.63E	15	4.1L,3.5		
TEH	XII	11 21 47 42.0	36.03N	53.73E	4	3.6L,3.5		
THR	XII	11 21 47 42.6–.64	35.97N	53.78E	14–6	3.7L,3.5		
NNC	XII	11 21 47 47.7–8.7	37.08N	53.33E	0	4.1b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=42.0km s-min=18.4km az=15.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=39.0.							
AZER	Error ellipse: s-maj=3.0km s-min=1.5km az=230.0.							
THR	Error ellipse: s-maj=8.7km s-min=3.5km az=-1.0.							
NNC	Event type se. Error ellipse: s-maj=75.8km s-min=46.4km az=29.0.							
ISC	**XII**	**13 22 03 39.2–.88**	**30.26N–.04**	**56.01E–.04**	**10**		**61**	**1-7**
THR	XII	13 22 03 37.4–.59	30.15N	55.95E	14–9	3.9L		¶602043446
ISCJB	XII	13 22 03 38.7–.30	30.20N–.02	56.01E–.04	10	3.9L		
TEH	XII	13 22 03 39.0	30.28N	56.01E	10	3.8L		
OMAN	XII	13 22 03 42.5–.47	30.27N	56.27E	95–44	3.8L		
DSN	XII	13 22 03 43.9–.75	29.98N	56.53E	15	3.6L		
ISC	Event type ke.							
THR	Error ellipse: s-maj=3.5km s-min=7.7km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=169.6.							
OMAN	Error ellipse: s-maj=30.8km s-min=8.0km az=254.0.							
DSN	Error ellipse: s-maj=49.7km s-min=6.1km az=92.0.							
TEH	**XII**	**19 11 44 17.7**	**30.84N**	**56.92E**	**10**	**3.7L**		
								¶606510664
ISC	**XII**	**20 18 47 14.9–1.5**	**30.88N–.03**	**51.48E–.04**	**0–11**	**3.8b**	**37**	**0-49**
IDC	XII	20 18 47 14.5–2.2	30.87N	51.45E	0	3.7,3.7b		¶602391745
TEH	XII	20 18 47 15.2	30.88N	51.54E	5	3.3L,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=50.7km s-min=25.5km az=161.0.							

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ISC	**VIII**	**02 04 32 41.0–.59**	**29.80N–.05**	**47.99E–.06**	**35**	**4.0b**	**64**	**2-85**
IDC	VIII	02 04 32 36.2–1.3	29.83N	47.86E	0	4.5L,3.9		¶601717624
NEIC	VIII	02 04 32 37.6–.39	29.76N	47.82E	10	4.2,4.2b		
ISCJB	VIII	02 04 32 38.3–.35	29.68N–.03	47.92E–.04	33	3.9b,4.2b		
SGS	VIII	02 04 32 40.5	30.00N	47.97E	12	3.9b,4.2b		
DSN	VIII	02 04 32 43.7–.80	29.88N	48.58E	10	4.1L,3.8s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.0km s-min=19.1km az=154.0.							
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=198.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=149.4.							
DSN	Error ellipse: s-maj=22.7km s-min=7.0km az=33.0.							
ISC	**VIII**	**02 16 47 59.0–.59**	**29.69N–.06**	**47.85E–.07**	**10**	**4.1b,3.0s**	**55**	**2-51**
ISCJB	VIII	02 16 47 57.9–.35	29.67N–.04	47.84E–.04	10	4.1b,3.0s		¶601696405
ISN	VIII	02 16 47 58.8–.99	29.83N	47.79E	5–72	3.9L,3.0s		
TEH	VIII	02 16 47 58.6	29.76N	47.87E	10	3.9L,3.0s		
NEIC	VIII	02 16 47 60.0–3.5	29.72N	47.82E	11–24	4.2b,3.9		
IDC	VIII	02 16 48 11.3–19	31.45N	48.09E	0	3.9,3.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=148.5.							
ISN	Error ellipse: s-maj=60.4km s-min=64.2km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=9.1km s-min=6.3km az=178.0.							
IDC	Error ellipse: s-maj=392.5km s-min=31.8km az=11.0.							
OMAN	**VIII**	**08 08 38 09.8–2.3**	**26.00N**	**56.11E**	**23–29**			
DSN	VIII	08 08 37 26.8–.40	28.87N	57.12E	10–5	3.2L		¶604084445
OMAN	Error ellipse: s-maj=100.8km s-min=9.5km az=33.0.							
DSN	Error ellipse: s-maj=15.9km s-min=5.9km az=97.0.							
ISC	**X**	**04 08 28 48.3–.73**	**25.76N–.03**	**56.49E–.05**	**10**	**3.8b**	**40**	**0-53**
IDC	X	04 08 28 46.5–4.6	25.66N	56.51E	0	4.0,3.9		¶601997012
OMAN	X	04 08 28 46.8–.35	25.83N	56.55E	1	4.0,3.9		
DSN	X	04 08 28 47.7–1.3	25.78N	56.45E	5	3.3L,3.9		
ISCJB	X	04 08 28 48.4–.40	25.77N–.02	56.41E–.05	10	3.7b,3.9		
TEH	X	04 08 28 48.9	25.77N	56.33E	12	3.5L,3.9		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=90.2km s-min=39.3km az=123.0.							
OMAN	Error ellipse: s-maj=6.3km s-min=1.2km az=258.0.							
DSN	Error ellipse: s-maj=15.3km s-min=3.6km az=70.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=3.4km az=175.7.							
ISC	**X**	**21 16 13 21.8–.68**	**25.31N–.02**	**56.21E–.04**	**13–4**	**4.1b,3.1s**	**85**	**0-90**
DSN	X	21 16 13 19.9–.70	25.36N	56.29E	5	3.8L,3.1s		¶601839962
IDC	X	21 16 13 19.7–.81	25.22N	56.14E	0	4.1,4.1L		
ISCJB	X	21 16 13 20.3–.46	25.36N–.02	56.24E–.04	9–3	4.1b,3.2s		
OMAN	X	21 16 13 20.7–.08	25.36N	56.25E	4	4.1b,3.2s		
THR	X	21 16 13 21.2–.30	25.30N	56.25E	17–2	3.7L,3.2s		
NEIC	X	21 16 13 22.9–.84	25.11N	56.14E	25–7	4.5b,3.2s		
ISC	Event type fe.							
DSN	Error ellipse: s-maj=6.4km s-min=3.7km az=76.0.							
IDC	Error ellipse: s-maj=19.8km s-min=14.8km az=9.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.1km s-min=3.4km az=10.6.							
OMAN	Error ellipse: s-maj=1.3km s-min=0.7km az=252.0.							
THR	Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=9.4km s-min=6.9km az=176.0. Felt at Al Fujayrah, United Arab Emirates and at Madha, Oman.							
ISC	**X**	**21 17 07 12.5–1.0**	**25.33N–.02**	**56.22E–.04**	**6–7**		**52**	**0-9**
ISCJB	X	21 17 07 12.8–.61	25.36N–.02	56.25E–.05	4–5			¶604084652
TEH	X	21 17 07 12.1	25.35N	56.23E	6	3.8L		
DSN	X	21 17 07 12.8–.43	25.36N	56.23E	5	3.1L		
OMAN	X	21 17 07 12.7–.53	25.36N	56.26E	4	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=3.6km az=7.0.							
DSN	Error ellipse: s-maj=4.9km s-min=2.9km az=89.0.							
OMAN	Error ellipse: s-maj=4.7km s-min=2.3km az=83.0.							
ISC	**X**	**21 17 08 55.8–1.3**	**25.34N–.02**	**56.24E–.05**	**2–8**	**3.8b**	**52**	**0-88**
IDC	X	21 17 08 54.7–1.4	25.16N	56.20E	0	3.8,3.8b		¶601999189
ISCJB	X	21 17 08 55.5–.60	25.35N–.02	56.28E–.05	5–4	3.7b,3.2s		
TEH	X	21 17 08 55.7	25.33N	56.20E	5	3.9L,3.2s		
DSN	X	21 17 08 55.5–.45	25.35N	56.26E	5	3.2L,3.2s		
OMAN	X	21 17 08 56.5–.55	25.39N	56.19E	5	3.2L,3.2s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=33.3km s-min=25.2km az=151.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=3.8km az=9.4.							
DSN	Error ellipse: s-maj=5.0km s-min=3.1km az=84.0.							
OMAN	Error ellipse: s-maj=6.7km s-min=2.0km az=106.0.							
ISC	**XI**	**11 21 42 54.2–5.1**	**29.0N–.20**	**48.0E–.20**	**14**		**13**	**1-9**
SGS	XI	11 21 42 46.3	29.32N	48.09E	51			¶604724427
DSN	XI	11 21 42 55.9–.95	28.95N	48.18E	10	2.9L		
ISC	Event type ke.							
DSN	Error ellipse: s-maj=29.3km s-min=7.9km az=20.0.							
ISC	**XI**	**12 03 46 02.1–.44**	**28.92N–.05**	**47.57E–.05**	**13**	**4.1b**	**87**	**3-97**
ISCJB	XI	12 03 46 00.7–.28	28.93N–.03	47.60E–.04	13	4.0b,3.8s		¶602054308
IDC	XI	12 03 46 01.4–.98	29.15N	47.57E	0	4.1,4.0		
NEIC	XI	12 03 46 03.2–2.1	28.99N	47.56E	18–14	4.2b,4.0		
DSN	XI	12 03 46 09.6–1.4	28.38N	47.87E	15	3.5L,4.0		
THR	XI	12 03 46 11.0–.34	29.42N	48.27E	17–22	3.8L,4.0		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=35.1.							
IDC	Error ellipse: s-maj=19.4km s-min=13.1km az=177.0.							
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=4.4km az=189.0.							
DSN	Error ellipse: s-maj=22.8km s-min=8.3km az=179.0.							
THR	Error ellipse: s-maj=13.2km s-min=22.2km az=-1.0.							
ISC	**XII**	**17 21 18 19.2–1.4**	**15.3N–.10**	**52.7E–.10**	**10**	**3.6b**	**14**	**2-55**
IDC	XII	17 21 18 17.8–2.9	15.36N	52.72E	0	3.6,3.5		¶602391572
OMAN	XII	17 21 18 22.5–1.3	15.23N	52.30E	36–763	3.6,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=54.3km s-min=37.4km az=21.0.							
OMAN	Error ellipse: s-maj=71.5km s-min=35.4km az=260.0.							

(352) Persian Gulf.

ISC	**VIII**	**18 19 17 29.8–.79**	**27.86N–.03**	**51.97E–.03**	**9–5**	**4.4b**	**379**	**1-94**
MOS	VIII	18 19 17 29.9–.73	27.88N	51.99E	22	4.5b		¶601565865
TEH	VIII	18 19 17 29.6	27.92N	51.93E	10	4.0L		
NEIC	VIII	18 19 17 30.4–.00	27.89N	52.03E	17	4.5b,4.1		
THR	VIII	18 19 17 31.6–.34	27.87N	52.10E	37–9	4.0L,4.1		
DSN	VIII	18 19 17 34.2–2.0	27.87N	52.10E	20	4.3L,4.1		
OMAN	VIII	18 19 17 34.1–.33	28.04N	52.21E	17	4.3L,4.1		
IDC	VIII	18 19 17 35.0–2.1	27.95N	52.01E	43–20	4.1,4.0b		
ISC	Event type se.							
MOS	Error ellipse: s-maj=7.2km s-min=4.7km az=116.0.							
NEIC	Event type se. After TEH.							
THR	Error ellipse: s-maj=11.7km s-min=10.0km az=-1.0.							
DSN	Error ellipse: s-maj=30.3km s-min=7.8km az=1.0.							
OMAN	Error ellipse: s-maj=16.2km s-min=5.5km az=39.0.							
IDC	Error ellipse: s-maj=11.7km s-min=10.2km az=9.0.							
ISC	**VIII**	**19 03 26 40.8–1.6**	**27.89N–.06**	**51.96E–.09**	**15**		**26**	**2-5**
ISCJB	VIII	19 03 26 40.7–.81	27.86N–.04	52.04E–.07	15			¶604084524
TEH	VIII	19 03 26 40.0	27.84N	51.94E	20	3.2L		
DSN	VIII	19 03 26 44.4–1.1	27.99N	52.31E	20	3.5L		
OMAN	VIII	19 03 26 45.2–2.9	28.20N	52.60E	15	3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.0km s-min=4.7km az=154.5.							
DSN	Error ellipse: s-maj=21.2km s-min=7.2km az=15.0.							
OMAN	Error ellipse: s-maj=81.7km s-min=15.3km az=56.0.							
ISC	**XI**	**16 04 57 48.8–1.7**	**27.80N–.05**	**51.98E–.10**	**15**		**32**	**1-5**
ISCJB	XI	16 04 57 48.6–.83	27.75N–.04	52.04E–.07	15			¶604084707
TEH	XI	16 04 57 50.6	27.99N	51.97E	18	3.3L		
OMAN	XI	16 04 57 52.4–1.2	27.90N	52.30E	147–32	3.3L		
DSN	XI	16 04 57 54.7–.76	27.69N	52.45E	15	2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.9km s-min=4.6km az=162.4.							
OMAN	Error ellipse: s-maj=29.0km s-min=13.2km az=54.0.							
DSN	Error ellipse: s-maj=14.7km s-min=7.0km az=48.0.							

(353) Southern Iran.

ISC	**VII**	**04 19 23 20.9–.94**	**27.01N–.04**	**54.03E–.04**	**10**		**47**	**2-6**
CSEM	VII	04 19 23 14.8–1.1	27.55N	53.70E	10	3.3L		¶602027437
OMAN	VII	04 19 23 17.8–1.6	27.49N	53.97E	6	3.3L		
ISCJB	VII	04 19 23 20.8–.38	27.05N–.03	53.96E–.04	10	3.3L		
TEH	VII	04 19 23 21.1	26.97N	54.05E	6	3.1L		
DSN	VII	04 19 23 21.3–1.6	27.18N	54.03E	15	3.3L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=30.0km s-min=20.1km az=12.0.							
OMAN	Error ellipse: s-maj=13.1km s-min=8.5km az=163.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=155.0.							
DSN	Error ellipse: s-maj=19.9km s-min=6.9km az=172.0.							
ISC	**VII**	**06 22 20 11.9–.73**	**27.13N–.07**	**52.80E–.05**	**10**	**3.5b**	**45**	**3-50**
IDC	VII	06 22 20 09.8–1.5	27.01N	52.69E	0	3.8,3.7		¶601505947
ISCJB	VII	06 22 20 10.6–.42	27.16N–.04	52.78E–.04	10	3.6b,3.7		
DSN	VII	06 22 20 11.5–1.3	27.26N	52.73E	15	3.3L,3.7		
CSEM	VII	06 22 20 12.1–.67	27.13N	52.74E	10	3.3L,3.7		
OMAN	VII	06 22 20 16.1–2.3	26.86N	52.90E	10	3.3L,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=30.0km s-min=23.6km az=175.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=37.0.							
DSN	Error ellipse: s-maj=24.8km s-min=5.8km az=1.0.							
CSEM	Event type ke. Error ellipse: s-maj=24.8km s-min=7.7km az=6.0.							
OMAN	Error ellipse: s-maj=19.7km s-min=16.5km az=23.0.							
ISC	**VII**	**08 15 03 24.7–.71**	**28.01N–.05**	**52.63E–.08**	**15**	**3.6b**	**37**	**0-94**
ISCJB	VII	08 15 03 23.1–.54	27.97N–.04	52.51E–.07	15	3.6b,2.9s		¶601664290
TEH	VII	08 15 03 25.4	28.12N	52.51E	21	3.2L,2.9s		
IDC	VII	08 15 03 28.0–2.7	27.93N	52.65E	47–28	3.6,3.5		
OMAN	VII	08 15 03 29.3–1.1	28.06N	52.88E	150–41	3.6,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.2km s-min=3.7km az=152.5.							
IDC	Error ellipse: s-maj=22.5km s-min=14.6km az=39.0.							
OMAN	Error ellipse: s-maj=29.9km s-min=14.4km az=63.0.							
ISC	**VII**	**12 21 02 41.7–1.1**	**27.20N–.04**	**54.36E–.08**	**18**		**61**	**1-7**
TEH	VII	12 21 02 39.5	27.15N	54.00E	28	3.4L		¶602027631
CSEM	VII	12 21 02 44.0–1.2	26.98N	54.19E	20	3.1L		
DSN	VII	12 21 02 44.9–4.4	26.70N	54.21E	15	3.1L		
OMAN	VII	12 21 02 47.0–2.2	26.95N	54.38E	28	3.1L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=27.2km s-min=23.7km az=83.0.							
DSN	Error ellipse: s-maj=50.6km s-min=13.4km az=147.0.							
OMAN	Error ellipse: s-maj=24.5km s-min=13.8km az=25.0.							
ISC	**VII**	**12 21 18 29.2–.34**	**26.96N–.03**	**55.04E–.03**	**17**	**4.4b,3.1s**	**296**	**1-90**
IDC	VII	12 21 18 25.6–.74	27.05N	54.99E	0	4.1,4.0		¶601271869
DSN	VII	12 21 18 26.2–1.7	27.15N	55.04E	15	4.2L,4.0		
TEH	VII	12 21 18 26.7	27.02N	55.02E	10	4.2L,4.0		
NEIC	VII	12 21 18 26.7–.00	27.02N	55.02E	10	4.5b,4.2		
ISCJB	VII	12 21 18 27.6–.17	27.02N–.02	55.05E–.02	17	4.3b,3.1s		
MOS	VII	12 21 18 28.2–1.6	26.88N	55.03E	30	4.4b,3.1s		
CSEM	VII	12 21 18 28.5–.11	27.01N	55.14E	10	4.5b,3.1s		
OMAN	VII	12 21 18 30.3–.16	26.77N	54.91E	28	4.5b,3.1s		
THR	VII	12 21 18 30.0–.59	27.18N	55.24E	39–4	4.0L,3.1s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=17.0km s-min=13.0km az=171.0.							
DSN	Error ellipse: s-maj=23.6km s-min=5.0km az=21.0.							
NEIC	Event type se. After TEH.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=147.5.							
MOS	Error ellipse: s-maj=8.7km s-min=5.3km az=109.2.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=60.0.							
OMAN	Error ellipse: s-maj=2.8km s-min=1.5km az=328.0.							
THR	Error ellipse: s-maj=9.3km s-min=3.1km az=-1.0.							
ISC	**VII**	**12 23 33 57.8–.31**	**26.89N–.03**	**59.40E–.02**	**10**	**4.5b,3.1s**	**440**	**2-88**
ISCJB	VII	12 23 33 56.2–.17	26.92N–.02	59.45E–.02	10	4.4b,3.2s		¶601271872
IDC	VII	12 23 33 56.5–.50	26.96N	59.46E	0	4.4,4.3		
NEIC	VII	12 23 33 58.0–.32	26.95N	59.43E	10	4.5b,4.3		
MOS	VII	12 23 33 59.2–.90	26.98N	59.41E	33	4.6b,4.3		
CSEM	VII	12 23 33 59.0–.19	26.88N	59.56E	15	4.4b,4.3		
OMAN	VII	12 23 33 59.8–.12	26.81N	59.39E	10	4.4b,4.3		
THR	VII	12 23 33 59.4–1.0	26.73N	59.34E	14–20	4.6L,4.3		
TEH	VII	12 23 34 00.3	26.80N	59.41E	10	4.5L,4.3		
DSN	VII	12 23 34 06.4–2.2	26.63N	59.12E	15	4.5L,4.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=34.4.							
IDC	Error ellipse: s-maj=12.0km s-min=11.0km az=25.0.							
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=155.0.							
MOS	Error ellipse: s-maj=7.2km s-min=4.6km az=104.1.							
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=109.0.							
OMAN	Error ellipse: s-maj=3.5km s-min=1.4km az=309.0.							
THR	Error ellipse: s-maj=7.2km s-min=6.9km az=-1.0.							
DSN	Error ellipse: s-maj=36.9km s-min=9.9km az=5.0.							
ISC	**VII**	**12 23 49 28.0–.53**	**26.85N–.03**	**59.38E–.04**	**10**	**4.1b**	**110**	**2-64**
IDC	VII	12 23 49 26.2–1.0	26.97N	59.27E	0	4.7L,4.1		¶601271873
NEIC	VII	12 23 49 28.0–.60	27.02N	59.33E	10	4.3,4.1b		
THR	VII	12 23 49 29.4–.91	26.73N	59.34E	14–18	4.0L,4.1b		
CSEM	VII	12 23 49 29.9–.25	26.87N	59.53E	10	4.3L,4.1b		
TEH	VII	12 23 49 31.1	26.81N	59.44E	10	4.3L,4.1b		
DSN	VII	12 23 49 35.8–2.3	26.71N	59.10E	15	3.9L,4.1b		
OMAN	VII	12 23 49 35.4–1.3	26.55N	59.22E	10	3.9L,4.1b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=23.3km s-min=18.4km az=123.0.							
NEIC	Event type se. Error ellipse: s-maj=14.2km s-min=10.4km az=102.0.							
THR	Error ellipse: s-maj=6.8km s-min=6.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=89.0.							
DSN	Error ellipse: s-maj=40.2km s-min=14.1km az=0.0.							
OMAN	Error ellipse: s-maj=27.0km s-min=5.2km az=227.0.							
ISC	**VII**	**16 19 53 48.0–.56**	**28.88N–.04**	**52.34E–.05**	**12**	**3.8b**	**65**	**1-94**
IDC	VII	16 19 53 45.9–.87	28.49N	51.98E	0	3.9b,3.9		¶601625074
ISCJB	VII	16 19 53 46.9–.35	28.81N–.03	52.34E–.05	12	3.8b,2.8s		

DSN VII 16 19 53 46.3–1.1 29.02N 52.32E 15 4.1L,2.8s
CSEM VII 16 19 53 47.6–.22 28.92N 52.40E 10 3.6L,2.8s
THR VII 16 19 53 47.4–.30 29.01N 52.48E 16–6 3.6L,2.8s
TEH VII 16 19 53 48.8 28.97N 52.41E 7 3.6L,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=15.7km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=147.7.
DSN Error ellipse: s-maj=14.8km s-min=3.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=72.0.
THR Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0.
ISC VII 21 20 14 35.2–.57 26.86N–.07 53.88E–.06 19 3.6b,2.9s 51 2-92
ISCJB VII 21 20 14 35.2–.48 26.98N–.05 53.77E–.06 19 3.6b,3.1s **¶601664931**
TEH VII 21 20 14 36.6 27.13N 54.08E 10 3.4L,3.1s
DSN VII 21 20 14 38.1–.98 27.28N 54.18E 15 3.5L,3.1s
IDC VII 21 20 14 39.0–2.4 27.03N 53.93E 44–26 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.1km az=44.0.
DSN Error ellipse: s-maj=14.3km s-min=4.8km az=12.0.
IDC Error ellipse: s-maj=19.5km s-min=13.0km az=36.0.
ISC VII 22 14 14 56.5–1.5 27.30N–.03 55.60E–.06 7–10 3.7b 59 1-87
CSEM VII 22 14 14 54.1–.48 27.58N 55.94E 2 3.6L **¶601664975**
OMAN VII 22 14 14 54.3–1.2 27.53N 55.71E 8 3.6L
IDC VII 22 14 14 55.2–1.1 27.28N 55.56E 0 3.8,3.7
TEH VII 22 14 14 56.7 27.27N 55.62E 8 3.4L,3.7
DSN VII 22 14 14 57.5–.86 27.44N 55.95E 15 3.6L,3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=10.0km az=77.0.
OMAN Error ellipse: s-maj=20.1km s-min=9.4km az=65.0.
IDC Error ellipse: s-maj=25.1km s-min=19.4km az=20.0.
DSN Error ellipse: s-maj=18.1km s-min=5.7km az=69.0.
ISC VII 22 18 17 12.5–.90 27.77N–.03 56.57E–.04 10 41 0-7
THR VII 22 18 17 11.2–3.3 27.79N 56.00E 15–32 3.5L **¶602027872**
CSEM VII 22 18 17 12.9 27.80N 56.57E 17 3.6L
TEH VII 22 18 17 12.9 27.80N 56.57E 17 3.6L
ISCJB VII 22 18 17 14.1–.43 27.79N–.03 56.51E–.06 10 3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC VII 22 22 15 46.7–1.4 27.33N–.04 55.69E–.07 22–13 3.3b 50 0-52
OMAN VII 22 22 15 41.0–.57 27.56N 55.50E 14 3.3b **¶601664997**
CSEM VII 22 22 15 42.5–.75 27.59N 55.84E 10 3.3L
TEH VII 22 22 15 44.7 27.30N 55.67E 14 3.2L
DSN VII 22 22 15 45.3–1.0 27.44N 55.89E 15 3.3L
ISCJB VII 22 22 15 45.8–1.3 27.33N–.03 55.62E–.07 15–12 3.4b
IDC VII 22 22 15 52.1–4.6 26.96N 55.62E 90–60 3.4,3.1
ISC Event type ke.
OMAN Error ellipse: s-maj=9.3km s-min=4.3km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=19.1km s-min=15.7km az=70.0.
DSN Error ellipse: s-maj=20.8km s-min=6.5km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.1km az=172.3.
IDC Error ellipse: s-maj=35.4km s-min=25.3km az=143.0.
ISC VII 23 02 02 38.1–.74 27.54N–.03 56.80E–.05 15–5 3.4b 92 0-44
IDC VII 23 02 02 35.9–1.7 27.68N 56.87E 0 4.2L,3.8 **¶601666290**
TEH VII 23 02 02 37.3 27.60N 56.74E 13 3.6L,3.8
ISCJB VII 23 02 02 37.3–.61 27.63N–.02 56.90E–.06 19–4 3.5b,3.5s
OMAN VII 23 02 02 37.5–3.1 27.52N 57.03E 13 3.5b,3.5s
CSEM VII 23 02 02 39.2–.21 27.56N 56.75E 10 3.6L,3.5s
DSN VII 23 02 02 39.1–1.2 27.63N 56.77E 15 3.8L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=28.2km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.0km az=172.7.
OMAN Error ellipse: s-maj=19.5km s-min=5.0km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=82.0.
DSN Error ellipse: s-maj=42.8km s-min=9.6km az=108.0.
ISC VII 24 01 58 59.5–.69 27.84N–.05 52.13E–.04 26 3.9b 95 1-54
IDC VII 24 01 58 55.9–1.3 27.84N 52.06E 0 4.0L,3.9 **¶601666353**
TEH VII 24 01 58 58.0 27.88N 52.11E 21 3.5L,3.9
ISCJB VII 24 01 58 58.5–.37 27.80N–.03 52.13E–.04 26 4.0b,3.9
CSEM VII 24 01 59 00.5–.36 27.82N 52.17E 20 3.5L,3.9
OMAN VII 24 01 59 01.8–1.2 27.70N 52.27E 20 3.5L,3.9
DSN VII 24 01 59 03.5–1.0 27.73N 52.44E 15 3.6L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=18.6km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=145.5.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=4.4km az=64.0.
OMAN Error ellipse: s-maj=26.7km s-min=9.3km az=43.0.
DSN Error ellipse: s-maj=23.1km s-min=7.8km az=22.0.
TEH VII 25 10 04 16.8 29.12N 58.23E 10 3.3L
¶604846854
ISC VII 31 07 11 17.3–1.2 28.54N–.03 56.93E–.06 31 58 1-6
TEH VII 31 07 11 14.8 28.56N 56.74E 16 3.6L **¶602028101**
CSEM VII 31 07 11 15.3–.26 28.56N 56.74E 10 3.6L
DSN VII 31 07 11 16.7–1.3 28.44N 57.01E 15 3.5L
OMAN VII 31 07 11 18.9–2.7 28.21N 57.52E 16–87 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=4.9km az=95.0.
DSN Error ellipse: s-maj=59.3km s-min=9.5km az=111.0.
OMAN Error ellipse: s-maj=96.6km s-min=9.4km az=7.0.
ISC VIII 03 14 27 50.9–4.3 27.4N–.20 55.7E–.30 15 11 1-5
DSN VIII 03 14 27 49.7–1.1 27.49N 55.90E 15 2.6L **¶604084440**
OMAN VIII 03 14 27 54.4–99 27.30N 55.79E 33–999 2.6L
ISC Event type ke.
DSN Error ellipse: s-maj=37.8km s-min=6.9km az=69.0.
OMAN Error ellipse: s-maj=1449.0km s-min=34.3km az=341.0.
ISC VIII 07 18 52 30.2–.62 27.14N–.02 56.29E–.06 10 3.7b 61 0-57
IDC VIII 07 18 52 28.7–1.2 27.05N 56.19E 0 3.8,3.8 **¶601765617**
THR VIII 07 18 52 28.6–.32 27.34N 56.38E 14–3 3.7L,3.8
TEH VIII 07 18 52 29.7 27.11N 56.13E 6 3.8L,3.8
ISCJB VIII 07 18 52 29.7–.33 27.20N–.02 56.27E–.06 10 3.6b,2.9s
OMAN VIII 07 18 52 30.3–3.5 27.06N 56.71E 4–13 3.6b,2.9s
DSN VIII 07 18 52 32.2–.52 27.06N 56.55E 15 4.0L,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=17.9km az=156.0.
THR Error ellipse: s-maj=3.6km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.0km az=170.6.
OMAN Error ellipse: s-maj=33.2km s-min=26.9km az=125.0.
DSN Error ellipse: s-maj=14.2km s-min=4.1km az=105.0.
TEH VIII 10 06 14 35.8 28.72N 57.38E 10 3.2L
OMAN VIII 10 06 15 15.9–.69 26.09N 56.17E 23 3.2L **¶604846894**
OMAN Error ellipse: s-maj=25.1km s-min=13.8km az=313.0.
ISC VIII 11 03 28 55.9–.91 27.27N–.03 56.29E–.05 10 24 0-6
TEH VIII 11 03 28 55.6 27.25N 56.29E 6 3.2L **¶604723533**
ISCJB VIII 11 03 28 56.9–.47 27.28N–.03 56.30E–.07 10 3.2L
DSN VIII 11 03 28 57.9–1.0 27.20N 56.58E 13 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.1km az=173.4.
DSN Error ellipse: s-maj=30.1km s-min=8.2km az=107.0.
ISC VIII 11 11 14 28.5–1.3 28.14N–.05 57.5E–.10 10 3.6b 18 1-54
THR VIII 11 11 14 21.7–.34 28.07N 57.71E 30–4 3.8L **¶601765748**
IDC VIII 11 11 14 25.4–2.6 28.03N 57.30E 0 3.7,3.7
TEH VIII 11 11 14 30.9 28.15N 57.39E 10 3.7L,3.7
ISC Event type ke.
THR Error ellipse: s-maj=4.3km s-min=7.4km az=-1.0.
IDC Error ellipse: s-maj=70.7km s-min=30.6km az=69.0.
ISC VIII 13 22 46 56.7–1.5 28.1N–.10 51.7E–.10 16 3.7b 13 2-57
ISCJB VIII 13 22 46 55.1–1.1 28.02N–.10 51.6E–.10 16 3.6s,3.5b **¶601765812**
TEH VIII 13 22 46 56.4 28.23N 51.76E 10 3.0L,3.5b
IDC VIII 13 22 46 56.1–2.7 28.49N 52.07E 0 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=11.4km az=37.6.
IDC Error ellipse: s-maj=139.4km s-min=30.2km az=46.0.
ISC VIII 16 02 29 40.6–.62 29.74N–.07 51.27E–.05 22 3.9b 43 0-95
IDC VIII 16 02 29 37.4–1.0 29.82N 51.23E 0 3.9b,3.9 **¶601765914**
ISCJB VIII 16 02 29 39.0–.58 29.70N–.06 51.21E–.05 22 3.9b,3.8s
TEH VIII 16 02 29 39.5 29.89N 51.26E 9 3.3L,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=17.5km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.2km az=18.9.
ISC VIII 18 19 29 04.9–.80 28.01N–.05 52.17E–.07 15 3.5b 38 1-54
TEH VIII 18 19 29 00.7 27.78N 51.90E 10 3.4L **¶601766098**
IDC VIII 18 19 29 01.3–1.5 27.90N 51.97E 0 3.6,3.6
DSN VIII 18 19 29 08.5–1.4 27.90N 52.29E 20 3.6L,3.6
OMAN VIII 18 19 29 08.1–.54 27.87N 52.28E 13 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=21.9km az=179.0.
DSN Error ellipse: s-maj=23.2km s-min=6.4km az=8.0.
OMAN Error ellipse: s-maj=10.0km s-min=8.5km az=311.0.
ISC VIII 19 04 48 05.2–.92 28.69N–.05 51.72E–.08 15 3.9b 43 1-95
IDC VIII 19 04 48 02.7–1.1 28.65N 51.82E 0 3.9,3.9 **¶601766132**
ISCJB VIII 19 04 48 03.7–.58 28.64N–.04 51.61E–.08 15 3.8b,3.4s
TEH VIII 19 04 48 03.2 28.68N 51.48E 10 3.5L,3.4s
OMAN VIII 19 04 48 06.3–1.9 28.76N 51.76E 16 3.5L,3.4s
DSN VIII 19 04 48 12.6–1.1 28.41N 52.08E 20 3.8L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=20.3km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=3.9km az=156.2.
OMAN Error ellipse: s-maj=25.8km s-min=18.2km az=43.0.
DSN Error ellipse: s-maj=15.1km s-min=6.5km az=6.0.
ISC VIII 19 06 38 20.9–1.6 27.29N–.05 57.61E–.09 25 17 1-6
ISCJB VIII 19 06 38 19.3–.92 27.26N–.05 57.75E–.09 25 **¶604084526**
TEH VIII 19 06 38 20.2 27.30N 57.61E 28 3.5L
OMAN VIII 19 06 38 26.7–5.5 26.68N 57.50E 20 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.8km az=0.3.
OMAN Error ellipse: s-maj=119.3km s-min=18.0km az=24.0.
ISC VIII 20 03 14 44.6–1.1 28.90N–.03 57.28E–.08 10 51 1-8
THR VIII 20 03 14 38.1–.37 28.48N 57.75E 18–14 3.6L **¶604084530**
ISCJB VIII 20 03 14 43.8–.47 28.87N–.02 57.31E–.07 10 3.6L
TEH VIII 20 03 14 43.3 28.89N 57.33E 10 3.7L
OMAN VIII 20 03 14 46.5–1.7 28.86N 57.50E 32–70 3.7L
DSN VIII 20 03 14 48.0–.97 28.80N 57.16E 20 3.7L
ISC Event type ke.
THR Error ellipse: s-maj=4.0km s-min=16.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=2.9km az=179.6.
OMAN Error ellipse: s-maj=91.6km s-min=6.1km az=4.0.
DSN Error ellipse: s-maj=33.8km s-min=8.7km az=101.0.
ISC VIII 21 23 46 53.8–1.7 28.68N–.06 51.9E–.10 15 20 1-5
ISCJB VIII 21 23 46 53.7–.92 28.65N–.04 51.96E–.10 15 **¶604084536**
TEH VIII 21 23 46 54.4 28.78N 51.83E 16 3.1L
DSN VIII 21 23 46 56.6–1.9 28.88N 52.35E 16 3.5L
OMAN VIII 21 23 47 14.0–3.8 27.86N 53.05E 23 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.3km az=169.3.
DSN Error ellipse: s-maj=44.4km s-min=10.0km az=26.0.
OMAN Error ellipse: s-maj=115.9km s-min=18.7km az=9.0.
ISC VIII 23 08 34 46.4–1.1 29.48N–.04 52.50E–.04 13–7 3.9b 72 0-94
OMAN VIII 23 08 34 29.3–28 30.51N 51.63E 5 3.9b **¶601766349**
TEH VIII 23 08 34 45.0 29.52N 52.50E 4 3.8L
THR VIII 23 08 34 46.6–.56 29.55N 52.36E 17–8 3.6L
IDC VIII 23 08 34 49.4–3.8 29.44N 52.44E 38–34 3.9,3.8
DSN VIII 23 08 34 51.6–1.3 29.02N 52.43E 15 3.8L,3.8
ISC Event type ke.
OMAN Error ellipse: s-maj=551.0km s-min=18.5km az=332.0.
THR Error ellipse: s-maj=2.0km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=15.6km az=27.0.
DSN Error ellipse: s-maj=20.5km s-min=6.5km az=18.0.
ISC VIII 25 08 36 36.6–.47 27.27N–.05 53.19E–.05 20 4.1b 127 1-93
BJI VIII 25 08 36 27.9 27.01N 52.42E 6 4.9b,4.6b **¶601626187**
NEIC VIII 25 08 36 31.0–.00 27.05N 53.09E 9 4.4b,4.0
IDC VIII 25 08 36 32.1–.80 27.14N 53.13E 0 4.1,3.9
DSN VIII 25 08 36 35.1–.88 27.44N 53.17E 15 4.2L,3.9
THR VIII 25 08 36 35.6–.38 27.74N 53.95E 6–8 3.8L,3.9
ISCJB VIII 25 08 36 35.1–.27 27.26N–.03 53.05E–.04 20 4.2b,2.9s
OMAN VIII 25 08 36 35.9–3.3 27.16N 53.05E 9 4.2b,2.9s
TEH VIII 25 08 36 37.1 27.34N 53.20E 20 3.8L,2.9s
ISC Event type se.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=19.7km s-min=14.5km az=26.0.
DSN Error ellipse: s-maj=12.3km s-min=6.5km az=11.0.
THR Error ellipse: s-maj=6.5km s-min=5.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.8km az=144.0.
OMAN Error ellipse: s-maj=33.6km s-min=30.6km az=134.0.
ISC VIII 25 14 21 09.2–.86 28.24N–.06 55.21E–.05 10 3.9b 28 1-63
ISCJB VIII 25 14 21 08.3–.46 28.18N–.04 55.13E–.06 10 4.0b **¶601766444**
IDC VIII 25 14 21 08.4–3.4 28.05N 54.92E 0 4.0,3.9
TEH VIII 25 14 21 10.4 28.28N 55.20E 20 3.8L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.1km az=147.8.
IDC Error ellipse: s-maj=88.5km s-min=25.5km az=50.0.
ISC VIII 26 04 57 17.4–.96 27.05N–.09 53.59E–.10 10 3.4b 23 1-50
TEH VIII 26 04 57 14.4 27.01N 53.52E 6 3.4L **¶601766486**
ISCJB VIII 26 04 57 16.2–.70 27.01N–.06 53.45E–.09 10 3.4b
IDC VIII 26 04 57 16.4–1.6 27.18N 53.53E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=5.5km az=144.4.
IDC Error ellipse: s-maj=36.0km s-min=28.1km az=15.0.
ISC VIII 27 10 30 36.4–4.6 27.1N–.20 60.6E–.20 10 18 4-5
DSN VIII 27 10 30 33.7–2.5 27.53N 60.64E 15 3.6L **¶604084551**
OMAN VIII 27 10 30 39.7–.82 27.04N 60.51E 36 3.6L
ISC Event type ke.
DSN Error ellipse: s-maj=63.5km s-min=16.4km az=168.0.
OMAN Error ellipse: s-maj=9.1km s-min=5.0km az=25.0.
ISC VIII 31 09 30 49.3–.92 27.72N–.03 56.58E–.05 18 30 0-4
OMAN VIII 31 09 30 48.1–14 27.77N 56.75E 5 **¶604084553**
TEH VIII 31 09 30 49.9 27.62N 56.66E 10 3.1L
DSN VIII 31 09 30 50.5–1.2 27.68N 56.70E 15 3.0L
ISCJB VIII 31 09 30 51.9–.54 27.64N–.04 56.4E–.10 18 3.0L
THR VIII 31 09 31 05.8–74 27.45N 56.46E 0–999 4.0
ISC Event type ke.
OMAN Error ellipse: s-maj=266.3km s-min=13.7km az=22.0.
DSN Error ellipse: s-maj=46.8km s-min=9.9km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=5.0km az=7.1.
THR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 02 00 48 57.7–1.3 29.75N–.05 50.9E–.10 22 15 1-6
TEH IX 02 00 48 55.9 29.87N 50.88E 10 3.0L **¶604846986**
ISCJB IX 02 00 48 56.5–.54 29.70N–.04 51.0E–.10 22 3.0L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 00 57 23.6–1.2 29.79N–.05 59.77E–.04 10 21 1-6
THR IX 02 00 57 23.9–.41 29.70N 59.72E 18–8 3.9L **¶601670051**
TEH IX 02 00 57 24.5 29.96N 59.87E 10 4.1L
ISCJB IX 02 00 57 25.2–.77 29.95N–.06 59.92E–.07 10 4.1L
ISC Event type ke.
ISCJB Event type ke.
ISC IX 02 21 14 40.2–.96 27.59N–.09 53.81E–.08 23 3.8b 21 1-51
IDC IX 02 21 14 37.7–1.5 27.76N 53.76E 0 3.7,3.6 **¶601862815**
ISCJB IX 02 21 14 38.4–.73 27.48N–.06 53.72E–.08 23 3.6b,3.6
TEH IX 02 21 14 38.1 27.58N 53.81E 10 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=26.6km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.2km az=138.3.
ISC IX 03 03 03 42.9–.30 28.20N–.03 57.83E–.03 10 4.4b 332 1-90
NEIC IX 03 03 03 41.9–.00 28.01N 57.76E 14 4.7L,4.7 **¶601671996**

ISCJB IX 03 03 03 41.6–.17 28.21N–.02 57.86E–.03 10 4.4s,4.4b
THR IX 03 03 03 41.9–.32 28.01N 57.76E 14–7 4.7L,4.4b
IDC IX 03 03 03 41.0–.52 28.21N 57.82E 0 4.2L,4.2
MOS IX 03 03 03 42.8–1.7 28.02N 57.72E 26 4.6b,4.2
TEH IX 03 03 03 42.4 28.27N 57.90E 10 4.6L,4.2
DSN IX 03 03 03 44.6–1.2 27.87N 58.40E 18 5.2L,4.2
OMAN IX 03 03 03 48.0–.48 28.06N 57.68E 18 5.2L,4.2
ISC Event type se.
NEIC Event type se. After THR.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.4km az=1.2.
THR Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=11.8km az=89.0.
MOS Error ellipse: s-maj=6.2km s-min=4.4km az=109.0.
DSN Error ellipse: s-maj=34.3km s-min=9.9km az=141.0.
OMAN Error ellipse: s-maj=10.9km s-min=5.7km az=108.0.
ISC IX 03 08 40 38.6–.56 27.73N–.05 52.74E–.06 20 4.0b 114 1-92
IDC IX 03 08 40 35.4–1.0 27.74N 52.65E 0 4.0L,3.9 **¶601734439**
ISCJB IX 03 08 40 36.9–.30 27.73N–.03 52.66E–.04 20 3.9b,3.9
NEIC IX 03 08 40 36.1–.00 27.71N 52.88E 15 4.5b,3.8
THR IX 03 08 40 36.1–.43 27.71N 52.89E 15 3.8L,3.8
TEH IX 03 08 40 38.8 27.82N 52.84E 20 3.8L,3.8
DSN IX 03 08 40 40.4–.84 27.73N 52.94E 9 4.0L,3.8
OMAN IX 03 08 40 43.7–2.9 27.37N 52.75E 25 4.0L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=20.5km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=143.8.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=7.5km s-min=2.2km az=-1.0.
DSN Error ellipse: s-maj=15.1km s-min=7.7km az=31.0.
OMAN Error ellipse: s-maj=31.0km s-min=16.1km az=148.0.
ISC IX 06 01 57 11.7–.23 27.15N–.03 54.05E–.03 19 5.1b,4.8s 1133 1-158
ISN IX 06 01 57 05.3–3.8 27.07N 54.23E 15–999 5.3L,4.8s **¶601676722**
MOS IX 06 01 57 06.7–1.1 27.11N 54.00E 29 5.4b,4.8s
NEIC IX 06 01 57 08.9–.00 26.94N 53.88E 27 5.3,5.2L
THR IX 06 01 57 08.8–.32 26.86N 53.89E 38–5 5.2L,5.2L
GCMT IX 06 01 57 09.9–.20 27.00N–.01 53.94E–.01 12 5.2W,5.2L
ISCJB IX 06 01 57 10.1–.10 27.17N–.01 53.98E–.01 19 5.1b,4.8s
IDC IX 06 01 57 10.1–1.3 27.21N 54.00E 11–7 5.0,5.0
TEH IX 06 01 57 11.2 27.14N 53.97E 38 5.2L,5.0
DSN IX 06 01 57 11.6–.29 27.16N 54.05E 15 5.4L,5.3b
GII IX 06 01 57 12.6–.00 27.18N 54.04E 30 5.4L,5.3b
OMAN IX 06 01 57 13.4–2.3 27.09N 54.00E 31–19 5.4L,5.3b
BJI IX 06 01 57 13.2 27.20N 54.00E 40 5.2s,5.1b
ISC Event type ke.
ISN Error ellipse: s-maj=953.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=4.9km s-min=2.7km az=119.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.3km s-min=4.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s92,c140;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.03 $M_{\theta\theta}$-0.70±.03; $M_{\phi\phi}$0.79±.02; $M_{r\theta}$-0.15±.08; $M_{\theta\phi}$0.33±.02; $M_{\phi r}$-0.26±.07; Best double couple: NP1:ϕ_s237.00000°,δ85.00000°,λ17.00000°. NP2:ϕ_s146.00000°,δ73.00000°,λ175.00000°. Principal axes: T 0.9390,Plg16.0000° ,Azm103.0000°; N -0.1540,Plg72.0000°,Azm254.0000°; P -0.7840,Plg8.0000°,Azm11.0000° $M_0$0.86200×10^{17}
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=15.9.
IDC Error ellipse: s-maj=10.3km s-min=9.8km az=156.0.
DSN Error ellipse: s-maj=7.9km s-min=3.7km az=49.0.
GII Event type ke.
OMAN Error ellipse: s-maj=7.2km s-min=6.3km az=76.0.
ISC IX 06 03 13 35.2–1.1 26.76N–.06 53.86E–.04 24 29 2-6
TEH IX 06 03 13 36.7 27.10N 54.09E 10 3.3L **¶604846992**
ISC Event type ke.
ISC IX 06 03 43 44.1–.59 27.06N–.03 54.09E–.03 24–3 4.9b,4.1s 749 2-133
ISCJB IX 06 03 43 40.6–.12 27.11N–.02 54.00E–.01 10 4.9b,4.1s **¶601676726**
NEIC IX 06 03 43 40.1–.00 26.96N 53.97E 16 5.0b,4.9
TEH IX 06 03 43 42.1 27.10N 53.96E 20 4.7L,4.9
MOS IX 06 03 43 43.7–1.1 27.11N 53.99E 33 5.0b,4.9
IDC IX 06 03 43 43.0–1.7 27.12N 54.11E 16–10 4.7,4.7
THR IX 06 03 43 43.4–.36 26.98N 53.96E 46–6 4.7L,4.7
DSN IX 06 03 43 43.6–.31 27.10N 54.01E 15 5.1b,5.0L
BJI IX 06 03 43 44.3 27.10N 54.10E 34 5.0b,4.8b
GII IX 06 03 43 45.6–.33 27.14N 54.07E 40 5.0b,4.8b
OMAN IX 06 03 43 47.1–.41 26.95N 54.07E 50 5.0b,4.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=22.9.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=5.0km s-min=3.3km az=112.6.
IDC Error ellipse: s-maj=11.4km s-min=9.3km az=15.0.
THR Error ellipse: s-maj=4.5km s-min=6.3km az=-1.0.
DSN Error ellipse: s-maj=6.8km s-min=3.7km az=37.0.
GII Event type ke.
OMAN Error ellipse: s-maj=7.7km s-min=4.9km az=63.0.
TEH IX 06 04 26 58.4 27.06N 54.01E 30 3.5L
¶606510573
ISC IX 06 04 40 41.9–1.5 26.76N–.09 53.94E–.10 24 16 2-5
TEH IX 06 04 40 41.4 26.92N 53.99E 20 3.4L **¶604723576**
DSN IX 06 04 40 46.4–2.2 26.86N 54.08E 15 2.9L
ISC Event type ke.
DSN Error ellipse: s-maj=26.7km s-min=12.7km az=171.0.
ISC IX 06 13 41 03.7–.44 27.15N–.04 53.99E–.04 19 4.1b,3.5s 109 1-92
DSN IX 06 13 40 59.0–.80 27.42N 53.75E 15 4.5L,3.5s **¶601685417**
THR IX 06 13 40 59.3–.33 26.97N 54.16E 18–6 4.1L,3.5s
IDC IX 06 13 41 00.1–.70 27.09N 53.96E 0 4.2,4.1
NEIC IX 06 13 41 02.9–.00 27.20N 54.05E 20 4.3b,4.2
TEH IX 06 13 41 02.9 27.20N 54.05E 20 4.2L,4.2
ISCJB IX 06 13 41 02.7–.25 27.18N–.03 53.98E–.04 19 4.2b,3.5s
OMAN IX 06 13 41 14.4–.17 26.50N 54.02E 20 4.2b,3.5s
ISC Event type se.
DSN Error ellipse: s-maj=14.1km s-min=7.2km az=35.0.
THR Error ellipse: s-maj=9.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=12.8km az=19.0.
NEIC Event type se. After TEH.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.9km az=146.4.
OMAN Error ellipse: s-maj=3.3km s-min=2.1km az=297.0.
ISC IX 07 01 14 30.4–1.2 26.90N–.06 54.04E–.06 19 25 2-7
DSN IX 07 01 14 30.6–1.1 27.32N 53.89E 15 3.3L **¶604723577**
TEH IX 07 01 14 32.8 27.05N 53.94E 40 3.3L
ISC Event type ke.
DSN Error ellipse: s-maj=15.3km s-min=10.2km az=30.0.
ISC IX 07 07 18 15.2–.67 27.10N–.04 54.12E–.05 19 3.8b,3.7s 71 1-92
THR IX 07 07 18 06.2–.43 26.84N 54.10E 14–6 3.6L,3.7s **¶601863107**
DSN IX 07 07 18 11.9–.83 27.40N 54.10E 10 3.7L,3.7s
IDC IX 07 07 18 11.1–1.2 26.88N 54.06E 0 3.9,3.8
TEH IX 07 07 18 14.4 27.09N 54.07E 20 3.6L,3.8
ISCJB IX 07 07 18 14.1–.29 27.04N–.03 54.01E–.04 19 3.7b,3.7s
OMAN IX 07 07 18 20.0–.32 26.58N 53.95E 15 3.7b,3.7s
ISC Event type ke.
THR Error ellipse: s-maj=11.6km s-min=2.8km az=-1.0.
DSN Error ellipse: s-maj=13.5km s-min=3.2km az=10.0.
IDC Error ellipse: s-maj=29.2km s-min=24.1km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=154.1.
OMAN Error ellipse: s-maj=8.2km s-min=5.3km az=245.0.
ISC IX 07 12 59 34.7–1.0 27.79N–.05 52.72E–.06 15 4.0b 38 1-45
THR IX 07 12 59 32.8–.43 27.83N 52.62E 14–6 3.5L **¶604737946**
TEH IX 07 12 59 33.3 27.76N 52.71E 9 3.6L
ISCJB IX 07 12 59 34.5–.58 27.78N–.04 52.70E–.06 15 3.8b
IDC IX 07 12 59 51.7–16 30.20N 52.59E 0 3.9,3.9b
ISC Event type ke.
THR Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=159.5.
IDC Error ellipse: s-maj=328.3km s-min=36.8km az=5.0.
ISC IX 08 14 27 27.9–1.3 26.92N–.03 56.02E–.05 9–9 3.7b 66 0-90
THR IX 08 14 27 23.6–.36 27.08N 56.07E 14–5 3.6L **¶601863172**
OMAN IX 08 14 27 24.1–.18 27.16N 55.88E 8 3.6L
TEH IX 08 14 27 25.8 26.85N 55.99E 5 3.7L
IDC IX 08 14 27 25.4–.91 26.72N 56.00E 0 3.9,3.8
ISCJB IX 08 14 27 28.3–.67 26.97N–.02 56.02E–.04 16–6 3.7b,3.8
DSN IX 08 14 27 28.4–1.1 26.93N 56.40E 15 4.0L,3.8
ISC Event type ke.
THR Error ellipse: s-maj=4.7km s-min=5.5km az=-1.0.
OMAN Error ellipse: s-maj=5.8km s-min=2.6km az=270.0.
IDC Error ellipse: s-maj=22.3km s-min=18.8km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.4km az=174.8.
DSN Error ellipse: s-maj=27.8km s-min=6.5km az=87.0.
ISC IX 09 00 11 18.3–.90 27.36N–.04 54.31E–.04 25 3.8b 38 1-51
DSN IX 09 00 11 14.7–2.1 27.38N 53.80E 15 3.4L **¶604084575**
TEH IX 09 00 11 17.0 27.20N 54.09E 10 3.3L
OMAN IX 09 00 11 23.2–.91 26.81N 54.15E 29 3.3L
IDC IX 09 00 11 27.4–9.2 28.11N 52.05E 0 3.8,3.7
ISC Event type ke.
DSN Error ellipse: s-maj=33.1km s-min=12.0km az=11.0.
OMAN Error ellipse: s-maj=18.1km s-min=2.6km az=335.0.
IDC Error ellipse: s-maj=217.5km s-min=35.4km az=127.0.
ISC IX 10 04 13 34.3–.77 27.37N–.04 53.56E–.04 16 3.5b 40 1-50
TEH IX 10 04 13 29.9 27.12N 53.40E 18 3.6L **¶601863279**
IDC IX 10 04 13 31.1–3.1 27.01N 53.44E 0 3.6,3.5b
ISCJB IX 10 04 13 33.5–.35 27.38N–.03 53.58E–.04 16 3.5b,3.5b
DSN IX 10 04 13 35.8–1.6 27.27N 53.61E 15 3.8L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=70.2km s-min=36.4km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=157.0.
DSN Error ellipse: s-maj=21.4km s-min=8.3km az=179.0.
ISC IX 12 09 39 29.2–.86 27.17N–.05 53.99E–.05 19 3.9b 47 1-46
THR IX 12 09 39 24.0–.34 26.82N 54.00E 33–4 3.6L **¶601863405**
IDC IX 12 09 39 25.8–2.5 27.16N 53.79E 0 3.8,3.8
TEH IX 12 09 39 27.9 27.13N 53.89E 20 3.6L,3.8
ISCJB IX 12 09 39 28.4–.35 27.18N–.03 53.93E–.04 19 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 08 01 45.8–1.2 26.99N–.03 53.95E–.03 7–8 4.4b,3.6s 224 2-92
BJI IX 13 08 01 38.2 26.81N 53.38E 10 4.7b,4.6b **¶601712543**
THR IX 13 08 01 42.2–.47 26.71N 54.01E 36–7 4.3L,4.6b
IDC IX 13 08 01 43.8–.67 27.01N 54.03E 0 4.3,4.2
NEIC IX 13 08 01 43.0–.00 26.83N 53.86E 18 4.4b,4.3L
DSN IX 13 08 01 44.9–1.5 27.39N 53.96E 15 4.5L,4.3L
MOS IX 13 08 01 47.3–1.1 27.01N 53.97E 33 4.6b,4.3L
TEH IX 13 08 01 47.5 27.14N 54.06E 20 4.2L,4.3L
OMAN IX 13 08 01 48.7–1.4 27.13N 53.78E 33 4.2L,4.3L
ISC Event type se.
THR Error ellipse: s-maj=8.2km s-min=7.4km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=13.2km az=175.0.
NEIC Event type se. After TEH.
DSN Error ellipse: s-maj=17.7km s-min=6.2km az=179.0.
MOS Error ellipse: s-maj=8.4km s-min=5.8km az=93.0.
OMAN Error ellipse: s-maj=15.6km s-min=5.9km az=10.0.
ISC IX 15 07 40 13.9–.72 27.18N–.05 53.98E–.06 19 3.7b 59 1-91
IDC IX 15 07 40 10.2–1.4 27.17N 54.20E 0 3.8,3.7 **¶601863577**
DSN IX 15 07 40 10.7–1.2 27.17N 53.71E 15 4.2L,3.7
ISCJB IX 15 07 40 12.9–.39 27.18N–.03 53.95E–.05 19 3.7b,3.7
TEH IX 15 07 40 13.5 27.18N 53.99E 23 3.7L,3.7
OMAN IX 15 07 40 23.0–2.3 26.68N 54.65E 5 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=23.9km az=174.0.
DSN Error ellipse: s-maj=13.0km s-min=10.0km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.5km az=153.5.
OMAN Error ellipse: s-maj=44.8km s-min=2.9km az=344.0.
ISC IX 16 10 26 15.4–1.1 27.40N–.05 54.36E–.05 25 26 1-10
THR IX 16 10 26 07.1–.57 26.94N 54.23E 14–6 3.7L **¶604737965**
TEH IX 16 10 26 14.5 27.20N 54.13E 30 3.6L
ISC Event type ke.
THR Error ellipse: s-maj=8.9km s-min=3.8km az=-1.0.
ISC IX 16 13 41 31.9–.76 26.88N–.05 53.85E–.05 10 3.4b 48 2-51
THR IX 16 13 41 30.3–.52 26.83N 54.09E 42–3 3.5L **¶601863653**
DSN IX 16 13 41 33.5–1.5 27.38N 53.93E 15 3.8L
IDC IX 16 13 41 33.7–2.5 27.27N 53.94E 0 3.7,3.6
TEH IX 16 13 41 34.4 27.17N 54.03E 10 3.6L,3.6
ISC Event type ke.
THR Error ellipse: s-maj=4.8km s-min=2.4km az=-1.0.
DSN Error ellipse: s-maj=20.8km s-min=7.9km az=6.0.
IDC Error ellipse: s-maj=55.2km s-min=27.7km az=161.0.
ISC IX 17 01 39 38.3–.54 27.89N–.05 52.34E–.04 15 3.9b 92 1-94
THR IX 17 01 39 34.2–.38 27.72N 52.19E 6–8 3.7L **¶601863686**
IDC IX 17 01 39 35.0–1.1 27.72N 52.30E 0 4.0,3.9
TEH IX 17 01 39 36.9 27.84N 52.19E 20 3.5L,3.9
ISCJB IX 17 01 39 36.8–.32 27.82N–.03 52.22E–.04 15 4.0b,3.9
DSN IX 17 01 39 39.8–1.5 27.80N 52.33E 15 4.0L,3.9
OMAN IX 17 01 39 42.3–3.8 27.70N 52.27E 57 4.0L,3.9
ISC Event type ke.
THR Error ellipse: s-maj=7.8km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=27.8km s-min=18.5km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=143.5.
DSN Error ellipse: s-maj=26.5km s-min=5.1km az=6.0.
OMAN Error ellipse: s-maj=52.6km s-min=35.8km az=39.0.
ISC IX 17 02 13 36.8–.34 27.94N–.04 52.31E–.03 15 4.5b 359 1-94
BJI IX 17 02 13 26.5 27.64N 51.42E 6 5.0b,4.6b **¶601719510**
ISCJB IX 17 02 13 35.1–.16 27.90N–.02 52.27E–.02 15 4.5b,4.6b
DSN IX 17 02 13 36.2–1.1 28.18N 52.43E 15 4.7L,4.6b
NEIC IX 17 02 13 36.2–.00 27.69N 52.10E 46 4.5L,4.5
THR IX 17 02 13 36.2–.46 27.69N 52.10E 46–5 4.5L,4.5
MOS IX 17 02 13 36.9–.92 27.90N 52.31E 31 4.7b,4.5
TEH IX 17 02 13 37.3 27.90N 52.23E 31 4.1L,4.5
IDC IX 17 02 13 40.5–3.3 27.94N 52.32E 44–31 4.5,4.3b
OMAN IX 17 02 13 41.3–.47 27.89N 52.48E 57 4.5,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.1km az=38.6.
DSN Error ellipse: s-maj=17.7km s-min=6.4km az=11.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=106.4.
IDC Error ellipse: s-maj=13.0km s-min=10.4km az=160.0.
OMAN Error ellipse: s-maj=17.9km s-min=1.9km az=48.0.
ISC IX 17 15 50 27.2–.58 27.22N–.04 54.05E–.03 19 4.0b 77 1-92
THR IX 17 15 50 22.3–.47 26.96N 54.14E 43–4 3.6L **¶601863713**
ISCJB IX 17 15 50 26.4–.25 27.20N–.02 53.98E–.03 19 4.0b
TEH IX 17 15 50 26.9 27.21N 54.02E 21 3.7L
DSN IX 17 15 50 27.3–1.7 27.27N 54.10E 15 3.9L
OMAN IX 17 15 50 29.8–.82 27.15N 54.14E 20 3.9L
IDC IX 17 15 50 30.2–9.4 27.20N 53.95E 45–89 3.9,3.8
ISC Event type ke.
THR Error ellipse: s-maj=8.1km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=147.8.
DSN Error ellipse: s-maj=20.6km s-min=7.8km az=176.0.
OMAN Error ellipse: s-maj=32.5km s-min=15.5km az=44.0.
IDC Error ellipse: s-maj=34.6km s-min=19.3km az=161.0.
ISC IX 17 17 00 19.5–1.0 27.18N–.04 54.04E–.04 19 47 1-6
TEH IX 17 17 00 18.5 27.13N 53.91E 20 3.5L **¶604084587**
ISCJB IX 17 17 00 19.9–.33 27.18N–.03 53.96E–.04 19 3.5L
DSN IX 17 17 00 20.5–1.9 27.18N 54.05E 15 3.7L
OMAN IX 17 17 00 20.6–1.6 27.05N 53.72E 19 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=150.0.

DSN Error ellipse: s-maj=23.5km s-min=7.9km az=177.0.
OMAN Error ellipse: s-maj=108.0km s-min=27.8km az=232.0.
TEH IX 25 10 05 52.8 28.88N 58.00E 8 3.6L ¶606510604
ISC IX 26 11 52 53.9–.45 27.27N–.04 52.82E–.04 20 4.3b,3.5s 158 1-96
IDC IX 26 11 52 49.9–1.3 27.09N 52.74E 0 4.1,3.9 **¶601741002**
ISCJB IX 26 11 52 52.7–.22 27.31N–.02 52.83E–.03 20 4.3b,3.6s
MOS IX 26 11 52 52.9–.98 27.14N 52.85E 33 4.4b,3.6s
THR IX 26 11 52 53.6–.54 27.33N 52.90E 40–6 4.2L,3.6s
NEIC IX 26 11 52 53.6–.00 27.33N 52.90E 40 4.2L,4.2b
TEH IX 26 11 52 53.3 27.32N 52.82E 20 4.3L,4.2b
DSN IX 26 11 52 54.0–.70 27.38N 52.88E 15 4.8L,4.2b
OMAN IX 26 11 52 54.5–.22 27.31N 52.87E 18 4.8L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=19.0km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=144.3.
MOS Error ellipse: s-maj=10.0km s-min=6.1km az=100.8.
THR Error ellipse: s-maj=8.8km s-min=4.6km az=-1.0.
NEIC Event type se. After THR.
DSN Error ellipse: s-maj=8.5km s-min=6.7km az=28.0.
OMAN Error ellipse: s-maj=5.8km s-min=2.9km az=9.0.
ISC IX 27 22 25 26.1–1.1 27.55N–.05 53.26E–.07 16 59 1-7
THR IX 27 22 25 21.3–.35 27.35N 53.32E 14–6 3.8L **¶604084604**
TEH IX 27 22 25 24.3 27.50N 53.13E 9 3.8L
ISCJB IX 27 22 25 25.2–.59 27.50N–.03 53.15E–.07 16 3.8L
DSN IX 27 22 25 28.6–1.2 27.48N 53.39E 15 4.1L
OMAN IX 27 22 25 30.0–1.1 27.37N 53.46E 9 4.1L
ISC Event type ke.
THR Error ellipse: s-maj=9.0km s-min=5.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=3.3km az=154.7.
DSN Error ellipse: s-maj=20.0km s-min=9.9km az=63.0.
OMAN Error ellipse: s-maj=16.3km s-min=9.8km az=54.0.
TEH X 01 07 57 01.2 27.13N 54.06E 20 3.6L ¶606583082
ISC X 01 16 17 26.2–1.4 27.05N–.06 53.89E–.08 19 22 1-6
DSN X 01 16 17 19.6–2.0 27.14N 53.28E 15 3.3L **¶604723609**
TEH X 01 16 17 23.9 26.95N 53.83E 22 3.3L
ISCJB X 01 16 17 25.2–.81 27.05N–.06 53.87E–.09 19 3.3L
ISC Event type ke.
ISCJB Event type ke.
ISC X 06 03 01 14.4–.95 28.32N–.04 56.00E–.06 10 3.9b 27 1-53
TEH X 06 03 01 13.0 28.35N 55.94E 6 3.2L **¶601997232**
ISCJB X 06 03 01 14.3–.40 28.31N–.03 55.94E–.06 10 3.7b
IDC X 06 03 01 15.7–1.5 27.42N 54.85E 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.5km az=167.3.
IDC Error ellipse: s-maj=34.0km s-min=26.1km az=35.0.
ISC X 07 04 50 52.5–.62 29.94N–.05 50.93E–.05 22 3.6b 72 1-96
TEH X 07 04 50 49.8 29.86N 50.91E 10 3.6L **¶601997341**
IDC X 07 04 50 49.6–1.2 30.03N 50.79E 0 3.9,3.8
ISCJB X 07 04 50 51.6–.31 29.89N–.03 50.90E–.03 22 3.6b,3.8
THR X 07 04 50 53.9–.66 29.90N 50.96E 46–8 3.5L,3.8
OMAN X 07 04 50 57.2–1.5 29.12N 51.22E 0 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=18.8km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=42.1.
THR Error ellipse: s-maj=4.6km s-min=6.1km az=-1.0.
OMAN Error ellipse: s-maj=15.5km s-min=10.4km az=74.0.
ISC X 08 20 24 35.5–1.3 26.24N–.05 58.80E–.07 10 35 2-8
TEH X 08 20 24 35.6 26.41N 58.97E 10 3.5L **¶604084630**
ISCJB X 08 20 24 38.7–.90 26.45N–.04 58.71E–.08 10 3.5L
OMAN X 08 20 24 44.6–1.2 26.06N 58.58E 10 3.5L
DSN X 08 20 24 44.8–2.0 26.34N 58.43E 15 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.8km az=14.7.
OMAN Error ellipse: s-maj=10.2km s-min=4.3km az=37.0.
DSN Error ellipse: s-maj=25.2km s-min=11.9km az=19.0.
ISC X 09 01 53 44.0–.69 29.46N–.04 52.05E–.04 10 73 0-86
TEH X 09 01 53 41.8 29.36N 52.00E 5 3.6L **¶601997586**
ISCJB X 09 01 53 43.1–.30 29.35N–.02 52.00E–.04 10 3.6b,3.3s
THR X 09 01 53 44.7–.60 29.50N 52.01E 17–7 3.6L,3.3s
OMAN X 09 01 53 49.1–1.3 29.15N 51.98E 144–26 3.6L,3.3s
DSN X 09 01 53 50.8–1.4 29.07N 52.30E 15 3.9L,3.3s
IDC X 09 01 53 56.0–17 31.09N 52.00E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=157.4.
THR Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
OMAN Error ellipse: s-maj=34.3km s-min=13.0km az=51.0.
DSN Error ellipse: s-maj=28.3km s-min=9.0km az=26.0.
IDC Error ellipse: s-maj=358.6km s-min=41.2km az=7.0.
ISC X 10 16 56 34.7–.58 29.31N–.03 52.50E–.03 18–3 5.2b,4.2s 1079 0-126
BJI X 10 16 56 32.4 29.31N 52.45E 12 5.0b,4.8b **¶601819790**
TEH X 10 16 56 33.4 29.33N 52.49E 9 4.8L,4.8b
ISCJB X 10 16 56 34.0–.40 29.25N–.01 52.48E–.01 23–3 5.0b,4.2s
NEIC X 10 16 56 33.0–.00 29.33N 52.49E 9 5.2b,4.8L
MOS X 10 16 56 34.2–.99 29.30N 52.46E 24 5.3b,4.1s
THR X 10 16 56 34.4–.43 29.30N 52.53E 14–13 4.8L,4.1s
GCMT X 10 16 56 34.0–.30 29.11N–.02 52.56E–.03 15–1 4.9W,4.1s
DSN X 10 16 56 35.9–.24 29.30N 52.47E 21 5.2b,4.9L
IDC X 10 16 56 36.3–1.9 29.31N 52.54E 25–11 4.9,4.8
GII X 10 16 56 37.4–.00 29.39N 52.50E 30 4.9,4.8
OMAN X 10 16 56 38.1–.12 29.18N 52.46E 36–2 4.9,4.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=31.8.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=116.0.
THR Error ellipse: s-maj=7.3km s-min=2.5km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c30; s76,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.21±.14 $M_{\theta\theta}$-2.01±.10; $M_{\phi\phi}$-0.20±.09; $M_{r\theta}$0.26±.16; $M_{\theta\phi}$1.02±.06; $M_{\phi r}$1.05±.21; Best double couple: NP1:ϕ_s316.00000°,δ52.00000°,λ120.00000°. NP2:ϕ_s93.00000°,δ47.00000°,λ57.00000°. Principal axes: T 2.6830,Plg66.0000° ,Azm289.0000°; N -0.2060,Plg24.0000°,Azm116.0000°; P -2.4780,Plg3.0000°,Azm25.0000° M_o2.58000×10^{16}
DSN Error ellipse: s-maj=5.4km s-min=2.8km az=45.0.
IDC Error ellipse: s-maj=10.0km s-min=8.4km az=156.0.
GII Event type ke.
OMAN Error ellipse: s-maj=4.1km s-min=1.5km az=32.0.
ISC X 10 17 29 22.9–.66 29.35N–.04 52.50E–.04 10 4.0b 48 0-50
IDC X 10 17 29 20.0–2.6 29.02N 52.49E 0 3.8,3.8b **¶601997790**
TEH X 10 17 29 21.6 29.31N 52.51E 5 3.3L,3.8b
OMAN X 10 17 29 21.3–1.9 29.28N 52.51E 1–81 3.3L,3.8b
DSN X 10 17 29 21.6–2.5 29.59N 52.50E 21 3.6L,3.8b
ISCJB X 10 17 29 22.2–.34 29.23N–.03 52.46E–.05 10 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC X 10 17 59 22.9–.62 29.34N–.04 52.55E–.04 10 3.7b 63 0-50
IDC X 10 17 59 21.4–2.4 29.29N 52.47E 0 3.7,3.6 **¶601997792**
ISCJB X 10 17 59 22.1–.34 29.18N–.03 52.40E–.05 10 3.6b,3.6
TEH X 10 17 59 22.9 29.33N 52.57E 11 3.2L,3.6
DSN X 10 17 59 22.0–2.2 29.60N 52.50E 21 3.4L,3.6
OMAN X 10 17 59 27.0–.29 29.20N 52.44E 139–9 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=24.7km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=2.9km az=152.7.
DSN Error ellipse: s-maj=30.5km s-min=6.7km az=4.0.
OMAN Error ellipse: s-maj=18.0km s-min=5.0km az=231.0.
TEH X 15 18 44 34.7 29.69N 50.81E 10 3.5L ¶606544496
ISC X 16 04 23 40.5–.63 29.36N–.04 57.93E–.04 10 3.8b 87 1-54
IDC X 16 04 23 37.1–1.8 29.07N 57.94E 0 3.8,3.7 **¶601835769**
ISCJB X 16 04 23 39.7–.25 29.35N–.02 57.99E–.04 10 3.7b,2.8s
TEH X 16 04 23 41.3 29.39N 57.89E 18 4.3L,2.8s
THR X 16 04 23 41.3–1.0 29.45N 57.77E 15 4.2L,2.8s
DSN X 16 04 23 43.0–1.3 29.03N 58.47E 15 4.4L,2.8s
OMAN X 16 04 23 44.5–1.9 29.00N 58.60E 10 4.4L,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=21.1km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=13.8.
THR Error ellipse: s-maj=6.6km s-min=3.8km az=-1.0.
DSN Error ellipse: s-maj=46.3km s-min=10.0km az=127.0.
OMAN Error ellipse: s-maj=17.4km s-min=10.0km az=158.0.
ISC X 16 23 43 47.9–.77 27.39N–.04 58.41E–.03 10 3.9b 62 1-55
IDC X 16 23 43 44.9–2.8 27.67N 58.22E 0 3.8,3.7 **¶601998585**
TEH X 16 23 43 51.0 27.78N 58.42E 10 3.8L,3.7
THR X 16 23 43 53.5–.44 27.46N 58.18E 14–7 3.5L,3.7
DSN X 16 23 43 58.2–1.9 27.36N 58.28E 15 3.4L,3.7
OMAN X 16 23 44 01.8–1.9 27.18N 58.30E 18 3.4L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=29.5km az=149.0.
THR Error ellipse: s-maj=3.9km s-min=2.5km az=-1.0.
DSN Error ellipse: s-maj=28.8km s-min=10.1km az=168.0.
OMAN Error ellipse: s-maj=20.9km s-min=11.9km az=153.0.
ISC X 17 04 19 14.3–.89 29.77N–.06 50.80E–.05 10 3.8b 39 1-48
IDC X 17 04 19 10.5–6.1 29.53N 51.11E 0 3.8b,3.7 **¶601998619**
ISCJB X 17 04 19 13.9–.71 29.72N–.06 50.74E–.05 10 3.8b,3.7
TEH X 17 04 19 14.0 29.76N 50.80E 10 3.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=123.1km s-min=43.0km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.1km az=30.8.
ISC X 18 01 35 47.8–.71 29.64N–.06 51.45E–.06 20 4.0b 54 0-94
IDC X 18 01 35 43.4–1.6 29.40N 51.49E 0 4.0,4.0s **¶601998730**
ISCJB X 18 01 35 46.1–.42 29.54N–.04 51.41E–.04 20 4.0s,3.9b
TEH X 18 01 35 47.2 29.66N 51.50E 19 3.6L,3.9b
THR X 18 01 35 47.0–.33 29.79N 51.60E 14–5 3.6L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=24.2km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=40.1.
THR Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC X 18 16 08 36.0–.48 29.45N–.05 51.33E–.04 20 4.2b 138 1-85
IDC X 18 16 08 32.6–1.3 29.35N 51.34E 0 4.1,4.0 **¶601874173**
NEIC X 18 16 08 34.6–.00 29.45N 51.28E 10 4.3b,3.9
ISCJB X 18 16 08 34.9–.23 29.44N–.03 51.24E–.03 20 4.3b,3.9
TEH X 18 16 08 34.6 29.45N 51.28E 10 3.9L,3.9
THR X 18 16 08 35.2–.38 29.48N 51.26E 14–6 3.8L,3.9
DSN X 18 16 08 42.6–1.0 28.84N 51.25E 15 3.9L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=15.9km az=1.0.
NEIC Event type se. After TEH.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=28.7.
THR Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
DSN Error ellipse: s-maj=14.9km s-min=6.4km az=11.0.
ISC X 19 01 04 04.0–.69 29.30N–.05 52.49E–.05 12 3.8b 50 0-50
IDC X 19 01 04 00.5–2.4 29.06N 52.53E 0 3.8,3.8b **¶601998870**
TEH X 19 01 04 02.6 29.31N 52.52E 5 3.3L,3.8b
ISCJB X 19 01 04 03.0–.39 29.22N–.03 52.38E–.05 12 3.6b,3.8b
DSN X 19 01 04 07.7–1.5 29.05N 52.47E 15 3.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=27.2km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=153.1.
DSN Error ellipse: s-maj=22.4km s-min=8.9km az=21.0.
ISC X 19 21 27 31.4–.44 29.42N–.05 51.27E–.04 20 4.4b,3.4s 273 1-94
BJI X 19 21 27 22.7 29.13N 50.74E 5 4.7b,4.4b **¶601839309**
IDC X 19 21 27 27.7–1.1 29.39N 51.25E 0 4.2,4.1
THR X 19 21 27 29.8–.35 29.46N 51.16E 26–6 4.1L,4.1
TEH X 19 21 27 29.7 29.43N 51.26E 16 4.2L,4.1
NEIC X 19 21 27 29.9–.28 29.44N 51.25E 10 4.4b,4.3
ISCJB X 19 21 27 29.7–.18 29.41N–.02 51.26E–.02 20 4.3b,3.5s
DSN X 19 21 27 30.6–.40 29.44N 51.25E 15 4.4b,4.0L
MOS X 19 21 27 30.6–1.2 29.38N 51.30E 30 4.6b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=14.7km az=164.0.
THR Error ellipse: s-maj=3.5km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=184.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=33.7.
DSN Error ellipse: s-maj=9.9km s-min=4.6km az=49.0.
MOS Error ellipse: s-maj=8.5km s-min=4.8km az=113.2.
ISC X 19 22 10 53.3–.31 29.31N–.04 52.49E–.03 15 4.5b 370 0-94
BJI X 19 22 10 45.5 29.01N 51.93E 6 4.8b,4.6b **¶601839310**
TEH X 19 22 10 51.6 29.30N 52.48E 10 4.2L,4.6b
OMAN X 19 22 10 52.7–.34 29.21N 52.27E 10 4.2L,4.6b
NEIC X 19 22 10 52.0–.00 29.38N 52.50E 8 4.5b,4.2
ISCJB X 19 22 10 52.0–.15 29.28N–.02 52.48E–.02 15 4.5b,4.2
THR X 19 22 10 54.2–.63 29.20N 52.48E 43–9 4.2L,4.2
MOS X 19 22 10 54.0–1.1 29.22N 52.50E 31 4.7b,4.2
DSN X 19 22 10 54.7–.46 29.21N 52.50E 15 4.5b,4.5L
IDC X 19 22 10 54.2–2.9 29.34N 52.47E 21–18 4.3,4.3
ISC Event type se.
OMAN Error ellipse: s-maj=17.5km s-min=3.6km az=51.0.
NEIC Event type se. After TEH.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=139.4.
THR Error ellipse: s-maj=6.2km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=112.8.
DSN Error ellipse: s-maj=12.5km s-min=4.4km az=44.0.
IDC Error ellipse: s-maj=12.5km s-min=10.7km az=163.0.
ISC X 20 13 15 40.9–1.1 29.42N–.04 51.29E–.05 20 27 1-5
ISCJB X 20 13 15 40.4–.47 29.41N–.04 51.27E–.05 20 **¶604774858**
TEH X 20 13 15 40.7 29.48N 51.36E 17 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=32.0.
ISC X 21 16 38 21.6–.27 27.60N–.02 59.62E–.02 10 4.5b 172 2-121
BJI X 21 16 38 13.2 27.49N 58.92E 6 4.7b,4.5b **¶601839963**
MOS X 21 16 38 15.7–1.4 27.57N 59.35E 33 4.6b,4.5b
NEIC X 21 16 38 18.7–.49 27.54N 59.43E 10 4.8b,4.7L
ISCJB X 21 16 38 20.0–.18 27.54N–.02 59.77E–.02 10 4.4b,3.6s
TEH X 21 16 38 23.2 27.56N 59.54E 10 4.6L,3.6s
IDC X 21 16 38 27.2–.71 27.70N 59.42E 75–6 4.1,4.0
OMAN X 21 16 38 28.3–1.6 27.30N 59.42E 10 4.1,4.0
DSN X 21 16 38 31.0–2.1 27.10N 59.42E 15 4.8L,4.0
ISC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=5.7km az=70.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.8km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=139.4.
IDC Error ellipse: s-maj=15.8km s-min=11.7km az=25.0.
OMAN Error ellipse: s-maj=15.2km s-min=11.7km az=57.0.
DSN Error ellipse: s-maj=36.9km s-min=14.1km az=174.0.
ISC X 27 20 54 59.3–.48 29.32N–.04 56.84E–.05 96–5 4.5b 227 0-109
THR X 27 20 54 54.8–.29 29.33N 56.95E 15 4.5L **¶601852931**
MOS X 27 20 54 55.1–1.5 29.24N 56.95E 72 4.6b
NEIC X 27 20 54 58.9–.00 29.37N 56.87E 98 4.5b,4.3
TEH X 27 20 54 58.9 29.37N 56.87E 98 4.3L,4.3
ISCJB X 27 20 54 58.9–.22 29.35N–.02 56.89E–.03 108–3 4.4b,4.3
IDC X 27 20 55 00.4–.80 29.48N 56.70E 102–7 4.1,3.8
OMAN X 27 20 55 01.6–.67 29.20N 57.16E 98 4.1,3.8
DSN X 27 20 55 04.0–1.5 29.07N 56.05E 15 4.8L,3.8
ISC Event type se.
THR Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=69.7.
NEIC Event type se. After TEH.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=9.1.
IDC Error ellipse: s-maj=17.6km s-min=9.8km az=133.0.
OMAN Error ellipse: s-maj=23.1km s-min=14.3km az=309.0.

DSN Error ellipse: s-maj=21.1km s-min=9.7km az=59.0.
ISC X 28 14 37 43.5–1.1 29.69N–.05 50.76E–.05 10 28 1-7
ISCJB X 28 14 37 43.4–.45 29.68N–.03 50.77E–.05 10 ¶604770426
TEH X 28 14 37 43.0 29.73N 50.78E 10 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=9.5.
ISC X 29 10 51 02.0–.77 28.72N–.04 58.66E–.04 10 3.6b 61 1-88
IDC X 29 10 50 59.9–1.4 28.61N 58.06E 0 3.8,3.7 ¶601857864
THR X 29 10 51 00.2–.71 28.53N 58.58E 14–9 4.3L,3.7
TEH X 29 10 51 00.8 28.73N 58.68E 10 4.5L,3.7
ISCJB X 29 10 51 01.6–.36 28.69N–.03 58.69E–.04 10 3.5b,3.7
DSN X 29 10 51 03.5–2.2 28.55N 58.87E 15 3.6L,3.7
OMAN X 29 10 51 05.5–99 28.62N 58.61E 29–999 3.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=25.2km az=164.0.
THR Error ellipse: s-maj=4.4km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=29.1.
DSN Error ellipse: s-maj=49.2km s-min=16.1km az=146.0.
OMAN Error ellipse: s-maj=1082.0km s-min=119.3km az=16.0.
ISC XI 05 15 59 22.3–.76 28.15N–.04 55.64E–.04 22 3.5b 63 1-91
IDC XI 05 15 59 17.3–1.3 28.00N 55.62E 0 3.7,3.5 ¶602388875
THR XI 05 15 59 21.0–.35 28.11N 55.77E 18–9 3.5L,3.5
ISCJB XI 05 15 59 22.5–.29 28.11N–.02 55.51E–.04 22 3.5b,3.5
TEH XI 05 15 59 22.9 28.17N 55.66E 25 3.6L,3.5
DSN XI 05 15 59 25.4–.97 27.95N 55.42E 15 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=26.4km az=165.0.
THR Error ellipse: s-maj=8.9km s-min=6.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=177.9.
DSN Error ellipse: s-maj=12.5km s-min=9.3km az=63.0.
ISC XI 06 21 31 31.0–.81 28.18N–.04 55.76E–.04 16 3.3b 40 1-58
IDC XI 06 21 31 26.4–3.1 27.90N 55.71E 0 4.3s,4.3 ¶602388925
ISCJB XI 06 21 31 31.5–.33 28.17N–.03 55.77E–.05 16 4.3s,3.2b
TEH XI 06 21 31 32.5 28.17N 55.71E 18 3.4L,3.2b
OMAN XI 06 21 31 32.9–10 28.13N 56.12E 13–312 3.4L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=85.3km s-min=30.0km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.5km az=169.4.
OMAN Error ellipse: s-maj=334.7km s-min=81.0km az=168.0.
ISC XI 08 20 39 53.3–.76 28.17N–.04 55.62E–.04 22 3.8b 59 1-52
DSN XI 08 20 39 42.0–1.8 28.94N 55.52E 15 3.6L ¶602389053
IDC XI 08 20 39 45.9–2.6 27.62N 55.73E 0 3.7,3.7
THR XI 08 20 39 51.2–.37 28.17N 55.74E 15 3.5L,3.7
TEH XI 08 20 39 51.4 28.21N 55.65E 7 3.6L,3.7
ISCJB XI 08 20 39 53.0–.30 28.17N–.03 55.66E–.05 22 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 14 08 21 01.3–.81 28.04N–.06 53.25E–.06 14 3.6b 30 0-86
ISCJB XI 14 08 21 00.8–.56 28.06N–.05 53.26E–.07 14 3.7s,3.7b ¶602389383
TEH XI 14 08 21 01.2 28.11N 53.31E 13 3.3L,3.7b
IDC XI 14 08 21 07.2–11 28.15N 53.19E 58–106 3.8s,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.3km az=146.9.
IDC Error ellipse: s-maj=53.3km s-min=24.7km az=162.0.
ISC XI 16 15 54 19.8–.65 28.52N–.07 51.34E–.06 24 3.8b,3.2s 80 1-95
IDC XI 16 15 54 14.9–.91 28.31N 51.46E 0 3.9b,3.9 ¶601906500
ISCJB XI 16 15 54 18.6–.38 28.53N–.03 51.32E–.04 24 3.8b,3.2s
THR XI 16 15 54 18.4–.31 28.68N 51.23E 22–2 4.0L,3.2s
TEH XI 16 15 54 18.8 28.61N 51.35E 14 3.8L,3.2s
DSN XI 16 15 54 22.6–1.4 28.41N 51.49E 15 4.1L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=17.7km az=180.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=152.6.
THR Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
DSN Error ellipse: s-maj=21.0km s-min=9.2km az=9.0.
ISC XI 24 10 52 22.2–.87 27.29N–.05 52.83E–.08 20 3.5b 60 1-50
OMAN XI 24 10 52 12.4–3.0 27.76N 52.18E 22 3.5b ¶602389932
IDC XI 24 10 52 18.8–1.4 27.24N 52.85E 0 4.1L,3.7
THR XI 24 10 52 18.5–.33 27.13N 52.91E 18–5 3.6L,3.7
ISCJB XI 24 10 52 20.5–.49 27.26N–.03 52.74E–.06 20 3.6b,3.0s
TEH XI 24 10 52 21.5 27.32N 52.82E 22 3.7L,3.0s
DSN XI 24 10 52 23.9–.70 27.34N 53.05E 15 3.8L,3.0s
ISC Event type ke.
OMAN Error ellipse: s-maj=33.2km s-min=22.6km az=137.0.
IDC Error ellipse: s-maj=28.6km s-min=22.9km az=13.0.
THR Error ellipse: s-maj=4.2km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.5km az=153.9.
DSN Error ellipse: s-maj=12.0km s-min=5.8km az=23.0.
ISC XI 25 05 48 28.5–.91 29.37N–.08 51.24E–.06 20 3.6b 28 1-49
ISCJB XI 25 05 48 27.5–1.1 29.26N–.09 51.13E–.06 20 3.6b ¶601994308
TEH XI 25 05 48 28.6 29.47N 51.28E 9 3.4L
IDC XI 25 05 48 33.4–7.7 30.00N 50.00E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.3km az=16.3.
IDC Error ellipse: s-maj=160.1km s-min=44.9km az=117.0.
TEH XI 26 09 35 50.1 28.95N 57.71E 10 3.6L
¶606544548
ISC XI 29 05 54 35.1–.56 26.98N–.03 55.00E–.04 17 3.8b 73 1-90
OMAN XI 29 05 54 18.9–2.4 28.17N 57.31E 18 3.8b ¶601995187
IDC XI 29 05 54 31.5–1.4 26.92N 54.98E 0 4.0,3.8
DSN XI 29 05 54 33.2–1.8 27.29N 55.22E 10 3.4L,3.8
TEH XI 29 05 54 34.5 27.03N 54.99E 12 3.7L,3.8
THR XI 29 05 54 34.4–.42 27.00N 55.11E 14–7 3.6L,3.8
ISCJB XI 29 05 54 35.0–.28 27.06N–.02 54.91E–.04 17 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XI 29 17 29 17.3–.83 27.01N–.04 55.08E–.07 17 27 1-52
IDC XI 29 17 29 13.1–3.3 26.91N 55.21E 0 3.5,3.5 ¶602390175
TEH XI 29 17 29 15.4 27.04N 55.01E 10 3.1L,3.5
OMAN XI 29 17 29 15.9–3.6 27.21N 55.16E 20–150 3.1L,3.5
ISCJB XI 29 17 29 16.3–.51 27.07N–.04 54.94E–.08 17 3.1L,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 30 08 08 13.9–.51 25.70N–.04 59.93E–.03 10 4.3b,3.4s 105 1-115
IDC XI 30 08 08 08.5–.72 24.94N 60.81E 0 4.1,4.1 ¶601995406
MOS XI 30 08 08 08.8–1.3 24.95N 60.87E 10 4.5b,4.1
NEIC XI 30 08 08 10.1–.30 24.91N 60.80E 10 4.4b,4.1
OMAN XI 30 08 08 11.1–.60 24.96N 60.94E 35–66 4.4b,4.1
THR XI 30 08 08 14.2–.31 25.78N 59.87E 14–3 4.3L,4.1
DSN XI 30 08 08 21.1–1.4 24.86N 60.18E 30 3.9L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.4km az=163.0.
MOS Error ellipse: s-maj=9.7km s-min=5.6km az=88.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=163.0.
OMAN Error ellipse: s-maj=15.4km s-min=5.5km az=244.0.
THR Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
DSN Error ellipse: s-maj=24.4km s-min=10.7km az=20.0.
ISC XI 30 16 10 00.6–3.3 25.7N–.10 60.7E–.20 10 23 3-5
OMAN XI 30 16 09 46.9–.69 25.98N 61.94E 33–22 ¶604724436
DSN XI 30 16 10 22.5–11 25.77N 58.85E 10 2.5L
ISC Event type ke.
OMAN Error ellipse: s-maj=27.3km s-min=3.5km az=238.0.
DSN Error ellipse: s-maj=126.8km s-min=33.7km az=78.0.
ISC XII 01 22 08 53.4–.33 27.57N–.04 53.73E–.03 16 4.5b 326 1-93
BJI XII 01 22 08 49.0 27.50N 53.70E 7 4.9b,4.7b ¶601995698
THR XII 01 22 08 50.1–.30 27.34N 53.70E 15 4.2L,4.7b
ISCJB XII 01 22 08 51.9–.15 27.56N–.02 53.64E–.02 16 4.5b,3.5s
NEIC XII 01 22 08 51.1–.00 27.47N 53.66E 12 4.5b,4.3
MOS XII 01 22 08 52.1–.97 27.53N 53.66E 21 4.7b,4.3
TEH XII 01 22 08 53.2 27.55N 53.66E 21 4.2L,4.3
DSN XII 01 22 08 55.7–.34 27.52N 53.65E 30 4.6b,4.0L
OMAN XII 01 22 08 55.1–.97 27.37N 53.66E 10 4.6b,4.0L
IDC XII 01 22 08 59.5–3.4 27.57N 53.66E 70–31 4.2,4.0
ISC Event type se.
THR Error ellipse: s-maj=4.0km s-min=1.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=136.4.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=104.1.
DSN Error ellipse: s-maj=5.6km s-min=3.6km az=42.0.
OMAN Error ellipse: s-maj=14.8km s-min=9.2km az=51.0.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=164.0.
ISC XII 02 02 15 09.3–.70 27.47N–.06 53.67E–.06 16 3.8b 41 1-90
IDC XII 02 02 15 06.9–1.3 27.56N 53.59E 0 3.9,3.8 ¶602390315
ISCJB XII 02 02 15 08.7–.41 27.46N–.04 53.55E–.05 16 3.8b,3.8
TEH XII 02 02 15 09.3 27.49N 53.69E 13 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=17.2km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=154.4.
ISC XII 02 19 38 56.2–.43 27.47N–.04 53.66E–.05 16 4.0b 115 1-93
IDC XII 02 19 38 53.8–.67 27.50N 53.63E 0 4.0,3.9 ¶602390370
THR XII 02 19 38 54.1–.37 27.40N 53.66E 16–6 3.8L,3.9
ISCJB XII 02 19 38 55.2–.26 27.53N–.02 53.57E–.03 16 4.1b,4.0s
TEH XII 02 19 38 56.9 27.54N 53.72E 20 4.0L,4.0s
DSN XII 02 19 38 58.8–.63 27.54N 53.61E 30 4.2b,3.8L
OMAN XII 02 19 38 59.5–.58 27.24N 53.65E 15 4.2b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=12.9km az=168.0.
THR Error ellipse: s-maj=3.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=154.0.
DSN Error ellipse: s-maj=8.6km s-min=6.8km az=85.0.
OMAN Error ellipse: s-maj=12.2km s-min=6.9km az=350.0.
ISC XII 09 00 14 10.4–.42 28.01N–.04 57.36E–.04 30 4.2b,3.1s 193 1-90
DSN XII 09 00 13 47.2–5.9 29.48N 58.35E 11 4.4L,3.1s ¶602032211
THR XII 09 00 14 06.4–.36 27.91N 56.90E 14–11 4.4L,3.1s
NEIC XII 09 00 14 06.0–.00 27.91N 56.90E 14 4.4L,4.3b
MOS XII 09 00 14 08.4–.93 28.03N 57.35E 26 4.3b,4.3b
ISCJB XII 09 00 14 09.8–.20 28.06N–.02 57.37E–.03 30 4.2b,3.2s
OMAN XII 09 00 14 10.3–.47 28.13N 57.54E 21 4.2b,3.2s
TEH XII 09 00 14 11.9 28.07N 57.22E 20 4.3L,3.2s
IDC XII 09 00 14 13.4–4.3 28.04N 57.28E 57–38 4.0,3.8
ISC Event type se.
DSN Error ellipse: s-maj=66.6km s-min=13.8km az=45.0.
THR Error ellipse: s-maj=5.3km s-min=3.1km az=-1.0.
NEIC Event type se. After THR.
MOS Error ellipse: s-maj=9.0km s-min=6.0km az=97.1.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.8km az=11.5.
OMAN Error ellipse: s-maj=17.8km s-min=5.4km az=255.0.
IDC Error ellipse: s-maj=20.7km s-min=12.6km az=170.0.
ISC XII 13 23 25 31.6–.55 27.29N–.06 53.59E–.04 16 3.7b 62 1-90
IDC XII 13 23 25 30.2–1.1 27.49N 53.59E 0 3.9,3.8 ¶602391285
TEH XII 13 23 25 31.0 27.36N 53.53E 10 3.7L,3.8
ISCJB XII 13 23 25 32.6–.31 27.49N–.03 53.54E–.05 16 3.8b,3.8
DSN XII 13 23 25 33.1–1.2 27.60N 53.72E 10 3.3L,3.8
OMAN XII 13 23 25 37.4–.61 27.33N 53.79E 10 3.3L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=16.7km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.3km az=150.2.
DSN Error ellipse: s-maj=20.4km s-min=8.3km az=27.0.
OMAN Error ellipse: s-maj=30.8km s-min=10.6km az=237.0.
ISC XII 14 10 10 27.4–.47 28.39N–.03 57.38E–.04 10 4.0b 128 1-90
IDC XII 14 10 10 23.9–1.3 28.26N 57.21E 0 4.0,3.9 ¶602043515
NEIC XII 14 10 10 27.4–.00 28.39N 57.53E 14 4.3L,4.3
ISCJB XII 14 10 10 27.7–.24 28.40N–.02 57.40E–.04 10 3.9b,2.9s
THR XII 14 10 10 27.4–.48 28.39N 57.53E 14–7 4.3L,2.9s
TEH XII 14 10 10 29.6 28.42N 57.23E 10 4.1L,2.9s
DSN XII 14 10 10 32.4–1.5 28.37N 56.74E 10 3.9L,2.9s
OMAN XII 14 10 10 32.5–.19 28.14N 57.58E 10 3.9L,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=19.4km az=170.0.
NEIC Event type se. After THR.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.4km az=14.1.
THR Error ellipse: s-maj=4.0km s-min=4.6km az=-1.0.
DSN Error ellipse: s-maj=22.9km s-min=11.5km az=83.0.
OMAN Error ellipse: s-maj=3.7km s-min=2.5km az=350.0.
ISC XII 14 21 42 12.7–1.0 28.18N–.04 57.2E–.10 10 21 1-6
ISCJB XII 14 21 42 12.7–.52 28.16N–.04 57.1E–.10 10 ¶604084767
TEH XII 14 21 42 13.7 28.26N 56.89E 10 3.0L
OMAN XII 14 21 42 15.1–1.9 27.96N 57.14E 4–84 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=4.6km az=14.0.
OMAN Error ellipse: s-maj=161.9km s-min=7.5km az=4.0.
ISC XII 16 19 27 09.4–.48 29.30N–.04 53.88E–.03 10 3.7b 90 1-93
IDC XII 16 19 27 07.5–.84 29.21N 53.81E 0 3.9,3.9 ¶602090192
ISCJB XII 16 19 27 09.0–.23 29.24N–.02 53.86E–.03 10 4.0s,3.7b
TEH XII 16 19 27 09.8 29.25N 53.88E 12 3.5L,3.7b
OMAN XII 16 19 27 10.7–8.4 29.15N 53.95E 0–368 3.5L,3.7b
DSN XII 16 19 27 14.1–1.3 29.03N 53.67E 23 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=14.9km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=159.3.
OMAN Error ellipse: s-maj=667.0km s-min=24.3km az=334.0.
DSN Error ellipse: s-maj=19.5km s-min=7.3km az=28.0.
ISC XII 17 00 25 11.0–.75 27.52N–.06 53.64E–.07 16 3.8b 32 2-59
IDC XII 17 00 25 07.6–1.7 27.40N 53.62E 0 3.8,3.8 ¶602391513
TEH XII 17 00 25 08.6 27.46N 53.67E 10 3.4L,3.8
ISCJB XII 17 00 25 10.1–.50 27.53N–.04 53.60E–.07 16 3.8b,3.8
OMAN XII 17 00 25 13.7–1.1 27.48N 53.91E 165–24 3.8b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=18.9km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.8km az=155.3.
OMAN Error ellipse: s-maj=44.3km s-min=12.6km az=66.0.
ISC XII 18 02 53 48.9–.39 28.33N–.03 57.00E–.04 10 4.2b 216 1-95
IDC XII 18 02 53 46.1–.76 28.27N 56.89E 0 4.1,4.0 ¶602047007
ISCJB XII 18 02 53 47.5–.18 28.40N–.02 57.01E–.03 10 4.3b,3.1s
MOS XII 18 02 53 48.6–.84 28.28N 56.88E 26 4.4b,3.1s
NEIC XII 18 02 53 49.6–.00 28.39N 56.96E 5 4.5b,4.1
TEH XII 18 02 53 50.9 28.30N 56.99E 18 4.1L,4.1
DSN XII 18 02 53 51.2–1.4 28.36N 56.69E 15 4.0L,4.1
THR XII 18 02 53 53.9–.52 28.56N 56.68E 14–8 4.0L,4.1
OMAN XII 18 02 53 53.3–.15 28.35N 57.18E 43–6 4.0L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.9km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=7.3.
MOS Error ellipse: s-maj=9.0km s-min=6.6km az=96.1.
NEIC Event type se. After TEH.
DSN Error ellipse: s-maj=19.2km s-min=10.4km az=76.0.
THR Error ellipse: s-maj=5.8km s-min=6.1km az=-1.0.
OMAN Error ellipse: s-maj=4.7km s-min=2.9km az=318.0.
ISC XII 19 04 13 05.3–1.4 28.76N–.05 53.61E–.05 11–11 3.8b 25 0-51
IDC XII 19 04 13 01.4–5.2 28.49N 53.73E 0 3.9,3.8 ¶602391651
TEH XII 19 04 13 05.8 28.71N 53.50E 10 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=110.1km s-min=38.8km az=120.0.
TEH XII 19 05 41 57.7 28.12N 57.32E 10 3.5L
¶606510663
ISC XII 21 07 11 21.1–1.2 27.96N–.04 56.96E–.10 24 40 0-7
TEH XII 21 07 11 20.8 27.98N 56.73E 10 3.5L ¶604084778
OMAN XII 21 07 11 20.7–11 27.94N 56.72E 4–483 3.5L
DSN XII 21 07 11 24.4–.97 27.68N 57.08E 18 3.0L
ISC Event type ke.
OMAN Error ellipse: s-maj=873.3km s-min=43.3km az=15.0.
DSN Error ellipse: s-maj=26.0km s-min=7.6km az=125.0.

ISC XII 21 19 11 11.4–.55 27.07N–.04 54.05E–.05 19 3.6b 76 1-92
ISCJB XII 21 19 11 10.7–.28 27.09N–.03 53.96E–.04 19 3.5b ¶602391820
DSN XII 21 19 11 11.0–2.0 27.37N 53.99E 35 3.5L
TEH XII 21 19 11 11.2 27.12N 54.03E 20 3.5L
IDC XII 21 19 11 13.6–2.5 26.86N 53.99E 44–27 3.6,3.5
OMAN XII 21 19 11 15.5–1.3 26.79N 53.98E 134–26 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=149.8.
DSN Error ellipse: s-maj=28.5km s-min=6.5km az=10.0.
IDC Error ellipse: s-maj=21.0km s-min=13.2km az=28.0.
OMAN Error ellipse: s-maj=31.4km s-min=9.6km az=66.0.
ISC XII 22 20 23 31.1–.78 28.49N–.03 56.82E–.06 10 3.4b 67 1-91
IDC XII 22 20 23 28.5–1.1 27.70N 56.45E 0 3.6,3.5 ¶602391887
TEH XII 22 20 23 30.9 28.50N 56.84E 10 3.7L,3.5
ISCJB XII 22 20 23 31.0–.32 28.46N–.02 56.79E–.05 10 3.3b,2.6s
THR XII 22 20 23 31.7–.36 28.33N 56.80E 18–11 3.6L,2.6s
OMAN XII 22 20 23 33.5–1.7 28.36N 56.73E 156–21 3.6L,2.6s
DSN XII 22 20 23 33.5–1.1 28.10N 57.66E 15 3.5L,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=24.0km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.3km az=0.7.
THR Error ellipse: s-maj=3.7km s-min=5.7km az=-1.0.
OMAN Error ellipse: s-maj=25.0km s-min=15.0km az=104.0.
DSN Error ellipse: s-maj=34.7km s-min=10.0km az=120.0.
ISC XII 23 09 26 30.2–1.4 28.72N–.04 57.2E–.10 31 17 1-7
TEH XII 23 09 26 28.7 28.70N 57.33E 24 3.6L ¶604849025
ISCJB XII 23 09 26 31.2–.69 28.66N–.05 57.0E–.10 31 3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC XII 26 03 52 59.6–.52 26.83N–.05 54.25E–.05 19 4.0b,3.3s 92 2-91
OMAN XII 26 03 52 53.7–8.1 27.40N 54.25E 10 4.0b,3.3s ¶602059878
THR XII 26 03 52 54.0–.35 26.60N 54.06E 15 3.7L,3.3s
DSN XII 26 03 52 55.2–1.9 27.21N 54.16E 15 3.8L,3.3s
IDC XII 26 03 52 55.5–1.1 26.62N 54.25E 0 4.1,3.9
TEH XII 26 03 52 56.6 26.75N 54.07E 10 3.8L,3.9
ISCJB XII 26 03 52 58.7–.25 26.86N–.03 54.16E–.03 19 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.

(354) Southwestern Pakistan.

ISC VII 06 11 19 00.6–2.5 26.07N–.06 62.8E–.10 35 65 2-11
THR VII 06 11 19 00.5–.38 26.63N 62.41E 14–5 3.7L ¶604084410
CSEM VII 06 11 19 04.5–.67 25.85N 62.46E 10 3.9L
OMAN VII 06 11 19 06.0–1.8 25.93N 62.52E 26–48 3.9L
DSN VII 06 11 19 09.5–1.7 26.04N 62.00E 5 3.9L
ISC Event type ke.
THR Error ellipse: s-maj=4.4km s-min=8.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=10.3km az=66.0.
OMAN Error ellipse: s-maj=37.6km s-min=7.4km az=66.0.
DSN Error ellipse: s-maj=48.9km s-min=14.8km az=173.0.
ISC X 31 02 23 24.3–.79 26.78N–.07 62.39E–.07 10 4.0b 95 2-85
IDC X 31 02 23 21.1–1.1 26.58N 62.27E 0 3.9,3.8L ¶601864431
ISCJB X 31 02 23 22.4–.38 26.77N–.04 62.46E–.04 10 4.1b,3.8L
TEH X 31 02 23 24.7 26.74N 62.58E 50 4.1L,3.8L
NEIC X 31 02 23 27.0–.00 26.83N 61.98E 17 4.4b,4.2L
THR X 31 02 23 27.8–.30 26.83N 61.98E 18–3 4.2L,4.2L
OMAN X 31 02 23 34.9–1.5 26.36N 61.83E 18 4.2L,4.2L
DSN X 31 02 23 45.0–2.6 26.16N 61.16E 35 3.7L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=20.5km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=140.4.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=3.1km s-min=8.0km az=-1.0.
OMAN Error ellipse: s-maj=15.5km s-min=13.0km az=67.0.
DSN Error ellipse: s-maj=45.4km s-min=15.0km az=17.0.

SEISMIC REGION 30.
Middle East-Crimea-Eastern Balkans.

(357) Ukraine-Moldova-Southwestern Russia region.

IDC VII 02 12 43 05.4–999 46.62N 47.80E 0
¶601663397
IDC Error ellipse: s-maj=479.3km s-min=207.2km az=129.0.
IDC VII 02 14 23 06.8–390 47.17N 46.70E 0
¶601663400
IDC Error ellipse: s-maj=163.7km s-min=135.5km az=169.0.
IDC VII 10 15 47 44.0–491 47.68N 46.11E 0
¶601664388
IDC Error ellipse: s-maj=243.5km s-min=144.5km az=169.0.
IDC VII 13 14 09 58.7–449 47.10N 45.51E 0
¶601664526
IDC Error ellipse: s-maj=201.1km s-min=153.5km az=177.0.
IDC VII 14 13 56 50.0–452 47.83N 47.14E 0
¶601664570
IDC Error ellipse: s-maj=201.8km s-min=142.5km az=171.0.
IDC VII 16 14 24 59.9–458 47.49N 46.38E 0
¶601664678
IDC Error ellipse: s-maj=195.5km s-min=139.2km az=175.0.
IDC VII 18 15 14 14.4–427 46.99N 47.64E 0
¶601664789
IDC Error ellipse: s-maj=174.5km s-min=142.1km az=15.0.
IDC VII 20 15 04 43.9–464 46.96N 45.87E 0
¶601664874
IDC Error ellipse: s-maj=197.7km s-min=144.2km az=178.0.
IDC VII 21 11 57 28.8–999 47.54N 46.37E 0
¶601664919
IDC Error ellipse: s-maj=426.4km s-min=202.4km az=131.0.
IDC VII 23 13 58 19.8–478 46.78N 46.04E 0
¶601666310
IDC Error ellipse: s-maj=206.5km s-min=144.0km az=178.0.
IDC VII 23 15 23 24.1–435 47.72N 47.33E 0
¶601666315
IDC Error ellipse: s-maj=182.1km s-min=143.2km az=177.0.
IDC VII 24 13 17 23.2–999 47.31N 46.74E 0
¶601666377
IDC Error ellipse: s-maj=428.6km s-min=195.7km az=133.0.
IDC VII 25 12 55 49.2–986 47.83N 46.16E 0
¶601666426
IDC Error ellipse: s-maj=430.9km s-min=193.3km az=133.0.
IDC VII 27 12 44 21.9–999 46.58N 47.09E 0
¶601666520
IDC Error ellipse: s-maj=488.5km s-min=208.3km az=132.0.
IDC VII 30 15 33 25.8–403 46.63N 45.91E 0
¶601650773
IDC Error ellipse: s-maj=174.0km s-min=136.1km az=169.0.
IDC VII 30 16 17 13.4–999 47.46N 46.03E 0
¶601650774
IDC Error ellipse: s-maj=434.0km s-min=198.8km az=133.0.
IDC VII 31 13 53 06.5–410 46.30N 46.15E 0
¶601650828
IDC Error ellipse: s-maj=178.9km s-min=139.8km az=171.0.
IDC VIII 01 13 56 11.6–999 46.41N 47.37E 0
¶601765313
IDC Error ellipse: s-maj=522.4km s-min=216.0km az=132.0.
IDC VIII 02 05 13 49.4–677 48.99N 42.82E 0
¶601765337
IDC Error ellipse: s-maj=302.0km s-min=152.4km az=141.0.
IDC VIII 02 09 22 00.3–717 48.27N 42.93E 0
¶601765341
IDC Error ellipse: s-maj=316.3km s-min=164.2km az=141.0.
IDC VIII 02 14 23 51.6–449 47.29N 46.23E 0
¶601765351
IDC Error ellipse: s-maj=184.2km s-min=138.4km az=179.0.
IDC VIII 02 15 37 40.1–452 47.00N 46.49E 0
¶601765356
IDC Error ellipse: s-maj=186.0km s-min=139.0km az=1.0.
IDC VIII 03 13 11 14.7–407 47.03N 46.21E 0
¶601765398
IDC Error ellipse: s-maj=176.7km s-min=137.0km az=166.0.
IDC VIII 07 14 07 25.5–452 47.25N 46.50E 0
¶601765608
IDC Error ellipse: s-maj=186.6km s-min=139.7km az=179.0.
IDC VIII 13 14 13 03.3–999 46.66N 47.07E 0
¶601765805
IDC Error ellipse: s-maj=462.8km s-min=204.1km az=132.0.
IDC VIII 15 13 29 12.9–969 48.23N 46.47E 0
¶601765889
IDC Error ellipse: s-maj=412.7km s-min=187.4km az=132.0.
IDC VIII 17 13 48 49.1–387 47.46N 46.77E 0
¶601765990
IDC Error ellipse: s-maj=164.4km s-min=133.5km az=168.0.
IDC VIII 22 13 01 42.6–436 47.40N 46.78E 0
¶601766302
IDC Error ellipse: s-maj=166.6km s-min=139.4km az=6.0.
IDC VIII 22 13 27 44.2–377 47.43N 47.38E 0
¶601766304
IDC Error ellipse: s-maj=156.3km s-min=134.3km az=169.0.
IDC VIII 27 12 27 47.5–439 46.94N 47.94E 0
¶601766568
IDC Error ellipse: s-maj=184.6km s-min=145.8km az=6.0.
IDC VIII 31 13 26 46.0–420 47.65N 47.37E 0
¶601755673
IDC Error ellipse: s-maj=162.0km s-min=139.2km az=9.0.
IDC X 18 12 53 11.5–999 46.61N 47.43E 0
¶601998801
IDC Error ellipse: s-maj=5421.0km s-min=171.3km az=58.0.
IDC X 29 13 22 09.6–999 45.78N 42.45E 0
¶602000285
IDC Error ellipse: s-maj=8244.0km s-min=227.2km az=60.0.
ISC XI 17 05 15 31.0–1.2 48.10N–.08 33.50E–.10 10 15 3-44
ISCJB XI 17 05 15 29.5–1.1 48.1N–.10 33.4E–.20 10 ¶602389547
IDC XI 17 05 15 29.1–1.8 47.91N 33.34E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=10.8km az=140.1.
IDC Error ellipse: s-maj=27.1km s-min=20.6km az=44.0.
IDC XII 11 12 52 54.9–999 45.18N 43.67E 0
¶602391089
IDC Error ellipse: s-maj=6519.0km s-min=241.7km az=57.0.
IDC XII 12 12 55 29.9–583 46.93N 47.57E 0
¶602391186
IDC Error ellipse: s-maj=222.1km s-min=145.7km az=42.0.
IDC XII 14 14 31 30.5–999 44.90N 44.30E 0
¶602391328
IDC Error ellipse: s-maj=5016.0km s-min=213.2km az=55.0.
NORS XII 27 21 43 48.4–.00 44.02N 44.77E 22–0 3.5
¶606583465
NORS Event type se.

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ISC VII 06 22 48 00.8–.37 45.75N–.02 26.65E–.02 111–3 4.4b 872 0-122
SIGU VII 06 22 47 58.4–.80 46N–1.0 27E–1.0 135–2 4.4b ¶601243863
ISCJB VII 06 22 47 59.5–.10 45.699N–.01 26.65E–.02 114–1 4.3b
SOF VII 06 22 47 59.8 45.62N 26.58E 124 3.7
MOS VII 06 22 47 59.3–.85 45.72N 26.65E 106 4.3b
IDC VII 06 22 48 00.6–.31 45.68N 26.49E 108–2 4.2,3.9
NEIC VII 06 22 48 00.5–.00 45.68N 26.67E 113 4.4L,4.4b
CSEM VII 06 22 48 00.5–.06 45.71N 26.65E 107 4.6b,4.1W
BUC VII 06 22 48 00.6–.47 45.69N 26.67E 116–6 4.7,4.1W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=142.9.
MOS Error ellipse: s-maj=5.1km s-min=3.4km az=116.4.
IDC Error ellipse: s-maj=9.4km s-min=6.4km az=155.0.
NEIC Event type fe. Felt at Bucharest and Constanta. Also felt at Cahul, Moldova. After BUC. Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}1.74 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$-0.25 $M_{r\theta}$-0.87 $M_{\theta\phi}$0.42 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s112.00000°,δ32.00000°,λ100.00000°. NP2:ϕ_s281.00000°,δ59.00000°,λ84.00000°. Principal axes: T 1.9600,Plg76.0000° ,Azm173.0000°; N -0.1400,Plg5.0000°,Azm284.0000°; P -1.8200,Plg13.0000°,Azm15.0000° $M_0$1.90000×10^{15}
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=35.0.
BUC Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=62.0.
BUC VII 11 21 06 45.0–.29 45.53N 27.04E 17–2 2.6
¶603251552
BUC Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=35.0.
ISC VII 12 02 20 24.0–.49 45.70N–.03 26.52E–.02 115–4 4.1b 763 0-116
MOS VII 12 02 20 22.6–.97 45.71N 26.59E 104 4.1b ¶601266300
ISCJB VII 12 02 20 22.8–.11 45.70N–.01 26.55E–.02 118–1 4.0b
SIGU VII 12 02 20 22.5–1.0 45.7N–.80 26.6E–.80 124–1 4.0b
NEIC VII 12 02 20 23.9–.00 45.72N 26.53E 120 4.3L,4.3b
CSEM VII 12 02 20 23.8–.07 45.70N 26.54E 111–1 4.1b,2.9s
IDC VII 12 02 20 24.0–.37 45.67N 26.42E 107–3 4.0,3.7
BUC VII 12 02 20 24.1–.56 45.71N 26.54E 116–6 4.6,3.7
BEO VII 12 02 20 26.9–1.3 45.59N 26.38E 70–0 3.7L,3.7
DDA VII 12 02 20 54.5 45.85N 26.79E 41 4.4L,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=4.6km az=103.1.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=144.6.
NEIC Event type se. After BUC.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=26.0.
IDC Error ellipse: s-maj=14.1km s-min=10.0km az=152.0.
BUC Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=85.0.
BEO Event type ke.
DDA Event type ke.
BUC VII 13 10 42 07.7–.81 45.62N 26.54E 147–8 3.8
CSEM VII 13 10 42 07.9–.25 45.63N 26.56E 139–2 2.5b ¶603251562
BUC Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=16.0.
BUC VII 22 06 44 59.0–.97 45.47N 26.29E 126–9 3.5
CSEM VII 22 06 44 59.0 45.47N 26.29E 126 3.5 ¶603251596
BUC Event type ke. Error ellipse: s-maj=7.2km s-min=5.2km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 31 05 00 28.3–1.1 45.23N–.03 23.07E–.02 4–10 59 1-2
CSEM VII 31 05 00 28.5–.18 45.22N 23.10E 5 2.0L ¶601734710
BUC VII 31 05 00 28.4–.99 45.24N 23.12E 8–10 2.5
BEO VII 31 05 00 29.1–.40 45.23N 23.03E 5–3 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=150.0.
BUC Event type ke. Error ellipse: s-maj=9.7km s-min=6.1km az=333.0.
BEO Event type ke.
ISC VII 31 09 54 16.3–.94 45.52N–.01 27.01E–.02 19–2 188 0-6
CSEM VII 31 09 54 15.0 45.54N 26.99E 18 3.6 ¶603251631
SIGU VII 31 09 54 15.2–1.2 45.5N–.70 27.0E–.90 11–1 2.5b
BUC VII 31 09 54 15.0–.51 45.54N 26.99E 18–4 3.6
ISCJB VII 31 09 54 16.6–.26 45.53N–.01 26.98E–.02 19–3 3.6
ISC Event type ke.
CSEM Event type ke.
BUC Event type ke.
ISCJB Event type ke.
BUC VIII 05 00 02 03.6–.55 45.79N 26.84E 124–6 3.7
¶603306401
BUC Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=69.0.
BUC VIII 05 02 13 53.9–.65 45.42N 26.28E 132–5 2.7
¶606362998

BUC Event type ke. Error ellipse: s-maj=7.4km s-min=4.0km az=17.0.
ISC VIII 07 08 32 16.8–2.8 45.13N–.06 23.2E–.10 13–15 18 1-2
BUC VIII 07 08 32 17.9–.35 45.13N 23.07E 14–1 2.5 ¶601734802
BEO VIII 07 08 32 17.7–1.0 45.14N 23.12E 0 1.6L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=117.0.
BEO Event type ke.
BUC VIII 08 07 59 20.6–.55 45.59N 26.47E 124–5 3.6
¶603306418

BUC Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=23.0.
ISC VIII 17 22 52 33.9–1.2 47.59N–.03 27.29E–.03 3–11 42 0-2
BUC VIII 17 22 52 33.9–.34 47.54N 27.33E 1 2.7 ¶603306505
SIGU VIII 17 22 52 35.3 47.63N 27.28E 2 2.0b
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=6.9km s-min=3.0km az=326.0.
ISC VIII 18 10 20 38.6–.78 45.73N–.02 26.51E–.02 110–4 3.6b 199 0-52
ISCJB VIII 18 10 20 38.4–.27 45.73N–.02 26.53E–.02 110–2 3.6b ¶601734974
SIGU VIII 18 10 20 38.4–1.2 45.7N–.90 27E–1.0 112–1 3.4b
BEO VIII 18 10 20 38.0–1.4 45.64N 26.87E 70–0 3.5L
IDC VIII 18 10 20 38.8–.84 46.02N 26.06E 92–7 3.6,3.3b
BUC VIII 18 10 20 39.8–.35 45.74N 26.54E 102–3 4.0,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.6km az=162.4.
BEO Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=12.4km az=113.0.
BUC Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=110.0.
ISC VIII 19 14 22 24.6–.85 45.90N–.02 27.21E–.02 13–6 128 0-6
ISCJB VIII 19 14 22 24.8–.42 45.91N–.01 27.19E–.02 9–2 ¶603306509
SIGU VIII 19 14 22 24.3–2.3 46N–2.0 27E–3.0 10 2.6b
BUC VIII 19 14 22 24.1–.30 45.93N 27.18E 12–2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=168.6.
BUC Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=79.0.
ISC VIII 23 07 56 06.5–.84 45.42N–.02 27.24E–.02 31–6 134 0-24
IDC VIII 23 07 56 03.1–1.1 45.43N 27.41E 0 3.8b,3.6 ¶601766347
SIGU VIII 23 07 56 06.7–1.3 45.4N–.90 27.3E–.90 23 3.1b,3.6
ISCJB VIII 23 07 56 07.3–.27 45.41N–.02 27.27E–.02 31–2 3.6b,3.6
BUC VIII 23 07 56 07.0–.13 45.37N 27.21E 25–2 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=9.2km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=14.9.
BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=48.0.
ISC VIII 23 17 47 03.1–.98 45.40N–.02 24.22E–.01 8–8 187 0-8
SOF VIII 23 17 47 01.2 45.39N 24.25E 2 3.3 ¶601627480
ISCJB VIII 23 17 47 02.5–.40 45.40N–.01 24.19E–.02 3–3 3.3
SIGU VIII 23 17 47 02.4–1.7 45N–1.0 24E–1.0 2 2.8b
BUC VIII 23 17 47 02.4–.33 45.42N 24.23E 6–2 3.7
PRU VIII 23 17 47 04.4–.00 45.36N 24.29E 20 3.7
BEO VIII 23 17 47 05.6–.40 45.37N 24.20E 24–4 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=162.6.
BUC Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=21.0.
BEO Event type ke.
ISC VIII 25 00 59 34.7–1.1 44.33N–.02 22.19E–.02 4–9 72 0-5
PDG VIII 25 00 59 34.8–.47 44.35N 22.22E 14–1 2.4L ¶601729234
BEO VIII 25 00 59 35.1–.20 44.33N 22.18E 5–2 2.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
BEO Event type ke.
BUC VIII 29 16 23 51.6–.50 45.72N 26.57E 144–4 3.8
¶603306565

BUC Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=315.0.
ISC VIII 31 20 22 05.8–.56 45.49N–.02 26.32E–.03 133–4 3.8b 279 0-119
SIGU VIII 31 20 22 04.5–.80 45.5N–.70 26.4E–.90 138–1 3.4b ¶601729289
MOS VIII 31 20 22 05.1–.76 45.60N 26.41E 128 4.0b
BUC VIII 31 20 22 05.4–.32 45.50N 26.33E 138–3 4.3
IDC VIII 31 20 22 05.4–.45 45.50N 26.30E 125–4 3.8,3.7
BEO VIII 31 20 22 08.3–1.5 45.49N 26.30E 103–8 3.8L,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=8.1km s-min=7.4km az=104.9.
BUC Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=356.0.
IDC Error ellipse: s-maj=14.6km s-min=11.4km az=162.0.
BEO Event type ke.
BUC IX 04 00 40 35.7–.82 44.73N 28.80E 5 2.1
¶603424670

BUC Event type ke. Error ellipse: s-maj=8.3km s-min=2.6km az=92.0.
ISC IX 04 17 39 48.6–.94 45.62N–.03 26.56E–.03 143–5 151 0-88
IDC IX 04 17 39 40.6–1.2 46.22N 24.30E 0 4.0,4.0 ¶601862943
ISCJB IX 04 17 39 48.1–.38 45.60N–.02 26.55E–.03 134–3 3.8b,4.0
BUC IX 04 17 39 49.4–.31 45.61N 26.57E 133–3 4.0,4.0
BEO IX 04 17 40 04.8–1.2 45.27N 24.60E 7–6 2.7L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=13.1km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=163.4.
BUC Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=8.0.
BEO Event type ke.
ISC IX 09 19 53 40.5–.60 45.68N–.03 26.45E–.03 155–4 3.7b 166 0-65
ISCJB IX 09 19 53 39.5–.25 45.68N–.02 26.48E–.03 153–2 3.6b ¶601863257
SIGU IX 09 19 53 39.5 45.74N 26.51E 155 3.3b
BUC IX 09 19 53 40.5–.34 45.67N 26.47E 153–3 4.4
IDC IX 09 19 53 40.6–.38 45.75N 26.19E 151–3 3.8,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=35.1.
BUC Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=121.0.
IDC Error ellipse: s-maj=16.9km s-min=10.8km az=142.0.
BUC IX 10 01 00 16.6–.25 45.59N 26.58E 118–2 3.6
¶603424902

BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=133.0.
BUC IX 13 18 41 16.3–.32 45.72N 27.14E 23–2 2.7
¶603425015

BUC Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=36.0.
ISC IX 14 04 10 37.6–1.1 45.16N–.02 22.74E–.02 6–11 59 0-3
BUC IX 14 04 10 37.8–.42 45.19N 22.76E 2–5 2.7 ¶602050969
BEO IX 14 04 10 37.8–.60 45.12N 22.80E 0–5 2.2L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=44.0.
BEO Event type ke.
ISC IX 23 20 35 49.1–1.5 45.65N–.03 26.52E–.04 156–8 96 0-3
ISCJB IX 23 20 35 49.6–.64 45.65N–.03 26.55E–.04 147–5 ¶603425393
BUC IX 23 20 35 49.3–.29 45.64N 26.48E 158–2 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=43.0.
BUC Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=108.0.
ISC IX 27 16 01 27.6–.73 45.77N–.02 26.80E–.02 116–4 3.7b 206 0-52
ISCJB IX 27 16 01 26.0–.25 45.78N–.02 26.79E–.02 116–2 3.8b ¶601864289
SIGU IX 27 16 01 25.8–1.1 46N–1.0 27E–1.0 119–1 3.5b
MOS IX 27 16 01 26.4–.89 45.77N 26.80E 113 4.0b
IDC IX 27 16 01 26.6–4.0 46.02N 26.36E 94–40 3.7,3.5
BUC IX 27 16 01 27.5–.28 45.78N 26.76E 109–3 4.1,3.5
BEO IX 27 16 01 32.2–1.8 45.69N 26.41E 86–3 3.7L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=44.9.
MOS Error ellipse: s-maj=12.2km s-min=10.2km az=36.8.
IDC Error ellipse: s-maj=41.6km s-min=16.7km az=141.0.
BUC Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=318.0.
BEO Event type ke.
ISC X 01 02 43 39.4–1.4 45.71N–.03 26.57E–.03 148–8 84 0-3
ISCJB X 01 02 43 39.8–.71 45.70N–.03 26.60E–.04 140–5 ¶603514758
BUC X 01 02 43 39.9–.37 45.72N 26.59E 147–3 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=159.1.

BUC Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=320.0.
ISC X 01 17 26 16.4–.53 45.75N–.02 26.65E–.02 86–5 3.8b 409 0-48
ISCJB X 01 17 26 16.1–.14 45.77N–.01 26.70E–.02 97–2 3.7b ¶601775519
SIGU X 01 17 26 16.2–1.2 45.8N–.80 26.7E–.90 99–2 4.1b
MOS X 01 17 26 16.8–1.3 45.80N 26.78E 77 4.1b
IDC X 01 17 26 17.8–.53 45.70N 26.61E 76–5 3.8,3.6
BUC X 01 17 26 17.7–.20 45.75N 26.67E 83–2 4.1,3.6
SOF X 01 17 26 18.0 45.71N 26.55E 38 3.5,3.6
BEO X 01 17 26 21.6–.60 45.55N 26.07E 18–3 3.5L,3.6
THE X 01 17 26 21.0 45.40N 26.31E 18–12 3.9L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=155.9.
MOS Error ellipse: s-maj=6.9km s-min=5.5km az=108.1.
IDC Error ellipse: s-maj=18.3km s-min=8.2km az=154.0.
BUC Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=122.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=15.9km s-min=1.4km az=26.0.
BUC X 10 08 04 11.0–.52 45.07N 25.12E 14–1 2.2
¶603514830

BUC Event type ke. Error ellipse: s-maj=6.8km s-min=2.4km az=355.0.
BUC X 19 11 18 41.6–.51 46.31N 23.11E 2 2.4
¶603514896

BUC Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=102.0.
ISC X 25 20 53 28.5–1.2 45.59N–.03 26.56E–.02 131–6 138 0-6
ISCJB X 25 20 53 28.4–.40 45.59N–.02 26.59E–.03 127–3 ¶603514941
SIGU X 25 20 53 28.6–.80 46N–1.0 27E–1.0 127–2 3.0b
BUC X 25 20 53 29.8–.41 45.57N 26.58E 122–4 4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=174.7.
BUC Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=40.0.
ISC X 31 13 00 47.5–.85 45.72N–.03 26.64E–.03 141–5 3.6b 165 0-47
ISCJB X 31 13 00 46.4–.31 45.71N–.02 26.64E–.03 139–3 3.6b ¶602000619
SIGU X 31 13 00 46.9–1.0 46N–2.0 27E–2.0 139–2 3.1b
BUC X 31 13 00 47.9–.50 45.70N 26.65E 136–5 4.1
IDC X 31 13 00 50.0–6.3 46.24N 25.99E 166–83 3.8,3.4b
BEO X 31 13 00 59.8–1.4 45.57N 25.41E 96–1 2.9L,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=152.5.
BUC Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=126.0.
IDC Error ellipse: s-maj=121.5km s-min=20.9km az=145.0.
BEO Event type ke.
BUC XI 04 02 41 05.1–.31 45.73N 26.71E 133–3 3.9
¶603763859

BUC Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=71.0.
ISC XI 04 16 33 51.7–.91 45.72N–.02 26.62E–.02 92–5 285 0-24
ISCJB XI 04 16 33 50.4–.18 45.73N–.01 26.63E–.02 99–2 3.3b ¶601870086
BEO XI 04 16 33 50.9–2.0 45.74N 26.71E 60–4 3.3L
SIGU XI 04 16 33 50.8–1.2 45.8N–.90 26.7E–.90 96–2 3.4b
IDC XI 04 16 33 51.8–1.3 45.68N 26.62E 72–22 3.3,3.3b
BUC XI 04 16 33 52.1–.27 45.73N 26.62E 83–3 4.0,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=151.8.
BEO Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=19.5km az=57.0.
BUC Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=83.0.
ISC XI 11 11 02 03.6–1.2 45.73N–.02 26.62E–.02 96–5 186 0-6
ISCJB XI 11 11 02 03.3–.28 45.73N–.02 26.64E–.02 96–3 ¶603763890
SIGU XI 11 11 02 03.4–1.2 45.7N–.80 26.6E–.80 94–2 3.8b
BUC XI 11 11 02 04.5–.28 45.73N 26.63E 87–4 3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=27.9.
BUC Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=86.0.
BUC XI 12 03 06 42.6–.40 45.64N 26.50E 152–4 3.5
¶603763891

BUC Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=29.0.
ISC XII 01 20 52 07.6–.37 45.79N–.03 26.74E–.02 90–3 4.7b 936 0-118
SOF XII 01 20 52 00.3 45.94N 26.79E 176 4.3 ¶601995693
PRU XII 01 20 52 04.6–.00 45.63N 26.57E 0 4.7
MOS XII 01 20 52 05.8–.98 45.74N 26.72E 80 4.7b
BJI XII 01 20 52 05.4 45.70N 26.80E 89 5.0b,4.8b
ISCJB XII 01 20 52 06.4–.09 45.700N–.01 26.70E–.01 95–1 4.6b,4.8b
PDG XII 01 20 52 06.4–.90 45.74N 26.75E 94–2 4.3L,4.8b
SIGU XII 01 20 52 06.4–1.4 45.8N–.80 26.7E–.90 100 4.2b,4.8b
IDC XII 01 20 52 07.7–.36 45.73N 26.58E 88–3 4.4,4.2b
BUC XII 01 20 52 07.6–.24 45.74N 26.75E 93–3 4.9,4.2b
NEIC XII 01 20 52 07.7–.00 45.71N 26.74E 93 4.7b,4.6L
THE XII 01 20 52 10.8 45.19N 26.53E 1–19 4.3L,4.6L
BEO XII 01 20 52 11.7–.70 45.42N 25.93E 0–4 4.0L,4.6L
TIR XII 01 20 52 53.0 45.79N 26.81E 65 4.8,4.6L
ISC Event type fe.
MOS Error ellipse: s-maj=4.2km s-min=3.3km az=108.8.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=41.9.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=2.0km az=0.0.
IDC Error ellipse: s-maj=9.4km s-min=7.3km az=164.0.
BUC Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=87.0.
NEIC Event type fe. Felt [III] at Bucharest and [II] at Iasi. Also felt at Alexandru Ioan Cuza, Bacau, Braila, Ceatalchioi, Giurgiu, Pitesti, Ploiesti and Puchenii Mari. Felt at Balti, Moldova. After BUC.
THE Event type ke. Error ellipse: s-maj=31.8km s-min=1.7km az=22.0.
BEO Event type ke.
ISC XII 07 01 32 19.1–.97 45.59N–.01 27.93E–.02 15–7 3.2b 174 0-39
ISCJB XII 07 01 32 18.9–.52 45.61N–.01 27.97E–.02 9–3 3.1b ¶602390569
BUC XII 07 01 32 18.9–.31 45.55N 27.91E 4–2 3.7
SIGU XII 07 01 32 19.1–1.3 45.5N–.90 27.9E–.90 4 2.9b
IDC XII 07 01 32 20.6–2.0 45.48N 27.78E 26–17 3.4,3.3
BEO XII 07 01 32 27.0–.70 45.77N 26.86E 0 3.2L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=155.1.
BUC Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=58.0.
IDC Error ellipse: s-maj=15.7km s-min=11.0km az=82.0.
BEO Event type ke.

(359) Bulgaria.

ISC VII 09 12 49 44.5–.80 42.57N–.02 23.05E–.02 14–5 94 0-5
ISCJB VII 09 12 49 44.2–.42 42.60N–.02 22.96E–.03 5–3 ¶601733039
CSEM VII 09 12 49 44.5–.10 42.59N 22.97E 2 2.6L
BEO VII 09 12 49 44.8–.30 42.57N 23.00E 8–2 2.7L
THE VII 09 12 49 46.1 42.50N 23.06E 1–2 2.6L
SOF VII 09 12 49 46.9 42.47N 23.18E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=153.2.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=58.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=305.0.
ISC VII 14 12 52 07.4–.66 42.62N–.02 23.09E–.02 11–4 4.4b,3.7s 788 0-121
ISCJB VII 14 12 52 05.6–.33 42.628N–.01 23.10E–.01 4–2 4.3b,3.6s ¶601273332
MOS VII 14 12 52 05.8–.96 42.65N 23.01E 10 4.4b,3.6s
BJI VII 14 12 52 05.8 42.70N 23.10E 8 4.9b,4.7b
IDC VII 14 12 52 05.7–.52 42.64N 22.99E 0 4.1,4.1b
PRU VII 14 12 52 06.7 42.62N 23.00E 0 4.6,4.1b
PDG VII 14 12 52 07.0–.65 42.62N 23.06E 10–1 4.0,4.0L
BEO VII 14 12 52 07.5–.20 42.65N 23.05E 0 4.1L,4.0L
SKO VII 14 12 52 07.0 42.63N 23.03E 5 4.4L,4.2
CSEM VII 14 12 52 07.1–.06 42.62N 23.08E 5 4.4b,4.2
NEIC VII 14 12 52 07.7–.87 42.67N 23.07E 10–6 4.6b,4.5L
ATH VII 14 12 52 10.3 42.41N 23.10E 34–9 4.3L,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.5km az=150.1.
MOS Error ellipse: s-maj=5.6km s-min=3.2km az=78.2.
IDC Error ellipse: s-maj=9.9km s-min=8.5km az=29.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.

BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=91.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.9km az=85.0. Felt [III] at Sofia and Pernik. Also felt at Blagoevgrad, Dupnica, Elin Pelin, Kyustendil, Montana, Plovdiv and Samokov.
ATH Event type ke. Error ellipse: s-maj=10.8km s-min=1.2km az=343.0.

ISC	**VII**	**31 00 10 21.3–.87**	**42.61N–.02**	**23.03E–.02**	**7–6**		**264**	**0-62**
IDC	VII	31 00 10 16.5–1.5	42.36N	24.26E	0	3.5s,3.5		**¶601650796**
ISCJB	VII	31 00 10 20.3–.35	42.63N–.01	23.00E–.02	3–2	3.6b,3.6s		
SKO	VII	31 00 10 21.6	42.64N	23.07E	8	3.6b,3.6s		
PDG	VII	31 00 10 21.3–.57	42.63N	23.00E	17–1	3.3L,3.6s		
CSEM	VII	31 00 10 21.0–.09	42.61N	23.01E	2	3.3,3.6s		
BEO	VII	31 00 10 21.4–.20	42.60N	23.05E	10–2	3.2L,3.6s		
SOF	VII	31 00 10 21.4	42.54N	23.10E	7	3.3,3.6s		
THE	VII	31 00 10 22.2	42.54N	23.06E	0–4	3.3L,3.6s		
TIR	VII	31 00 10 25.2	42.27N	22.75E	6	3.7,3.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=14.3km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=31.5.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=26.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.9km az=314.0.

BEO	**VIII**	**14 21 47 22.3–.30**	**42.59N**	**22.97E**	**1–2**	**1.7L**		
SKO	VIII	14 21 47 21.6	42.65N	22.94E	0	1.7L		**¶601734927**

BEO Event type ke.

ISC	**VIII**	**16 02 11 54.2–1.1**	**42.61N–.02**	**22.97E–.02**	**11–8**		**126**	**0-5**
ISCJB	VIII	16 02 11 53.5–.41	42.64N–.01	22.95E–.02	10–2			**¶601734953**
SOF	VIII	16 02 11 54.4	42.57N	23.06E	10	3.0		
BEO	VIII	16 02 11 55.0–.40	42.63N	22.94E	18–2	2.9L		
THE	VIII	16 02 11 56.4	42.46N	23.04E	8–1	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=15.8.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=16.0.

SOF	**VIII**	**17 19 54 44.5**	**42.01N**	**23.26E**	**2**			
ATH	VIII	17 19 54 43.6	41.99N	23.19E	24–1	2.2L		**¶603226921**
SKO	VIII	17 19 54 44.0	41.98N	23.15E	23	2.2L,1.8		

ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=156.0.

ISC	**VIII**	**21 18 21 48.7–.95**	**42.62N–.02**	**22.97E–.02**	**8–7**		**73**	**0-5**
SKO	VIII	21 18 21 48.6	42.64N	22.96E	5			**¶601729219**
SOF	VIII	21 18 21 48.0	42.58N	23.02E	15	2.5		
ATH	VIII	21 18 21 48.1	42.62N	23.00E	13–1	2.3L		
THE	VIII	21 18 21 49.7	42.55N	23.02E	2–1	2.4L		
BEO	VIII	21 18 21 49.2–.30	42.66N	22.98E	0	2.1L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=161.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.8km az=317.0.
BEO Event type ke.

ATH	**IX**	**07 21 23 43.6**	**42.18N**	**24.24E**	**10–3**	**1.3L**		
								¶603908957

ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.8km az=172.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**14 11 32 37.4–.97**	**42.58N–.03**	**22.99E–.03**	**7–9**		**45**	**0-4**
ISCJB	IX	14 11 32 36.7–.48	42.60N–.02	22.96E–.03	2–5			**¶602050971**
BEO	IX	14 11 32 37.6–.30	42.58N	23.04E	9–2	2.5L		
SOF	IX	14 11 32 37.0	42.57N	23.00E	2	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=138.1.
BEO Event type ke.

ISC	**IX**	**19 17 00 49.2–.93**	**42.58N–.02**	**22.99E–.02**	**8–7**		**51**	**0-5**
ISCJB	IX	19 17 00 48.0–.39	42.56N–.03	22.99E–.03	6–4			**¶602050998**
SOF	IX	19 17 00 48.6	42.56N	23.09E	15	2.7		
SKO	IX	19 17 00 49.3	42.63N	22.98E	0	2.7L,2.3		
BEO	IX	19 17 00 49.4–.20	42.61N	23.05E	9–2	2.4L,2.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=9.8.
BEO Event type ke.

ISC	**IX**	**22 19 57 23.8–1.1**	**42.54N–.02**	**22.99E–.02**	**4–9**		**64**	**0-5**
SKO	IX	22 19 57 24.4	42.60N	23.01E	4			**¶602030770**
SOF	IX	22 19 57 24.6	42.50N	23.14E	3	2.7		
BEO	IX	22 19 57 24.2–.30	42.63N	22.99E	3–3	2.3L		
THE	IX	22 19 57 25.0	42.59N	23.09E	10–6	2.5L		

ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=11.4km s-min=0.9km az=20.0.

BEO	**IX**	**29 10 21 19.6–1.5**	**43.52N**	**23.01E**	**0**	**2.4L**		
								¶602051050

BEO Event type ke.

ISC	**X**	**15 23 56 47.1–.97**	**42.13N–.04**	**26.29E–.04**	**10**		**26**	**0-4**
ISCJB	X	15 23 56 46.8–.67	42.21N–.04	26.27E–.06	10			**¶602079732**
DDA	X	15 23 56 46.3	42.18N	26.23E	10	2.7L		
ISK	X	15 23 56 46.1	42.14N	26.29E	5–0	2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.1km az=15.8.
DDA Event type ke.
ISK Event type ke.

BEO	**XI**	**12 14 16 57.6–1.2**	**42.41N**	**23.14E**	**0**	**1.3L**		
								¶602051380

BEO Event type ke.

(360) Black Sea.

ISC	**XI**	**04 06 15 11.2–1.4**	**42.47N–.04**	**31.04E–.08**	**35**		**34**	**2-7**
ISCJB	XI	04 06 15 10.9–.63	42.47N–.03	30.89E–.08	33			**¶603002475**
DDA	XI	04 06 15 10.7	42.24N	31.04E	7	2.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.1km az=159.0.
DDA Event type ke.

ISC	**XII**	**02 20 11 30.0–1.9**	**42.66N–.07**	**28.33E–.07**	**35**		**94**	**1-6**
BEO	XII	02 20 11 31.2–.80	43.06N	27.97E	5	3.1L		**¶602545617**

ISC Event type ke.
BEO Event type ke.

ISC	**XII**	**03 18 58 40.5–.95**	**43.48N–.02**	**28.65E–.03**	**22–4**	**3.8b**	**398**	**0-70**
MOS	XII	03 18 58 37.1–.91	43.42N	28.74E	10	4.1b		**¶601996003**
DDA	XII	03 18 58 37.9	43.26N	28.65E	7	4.5L		
ISCJB	XII	03 18 58 38.8–.38	43.40N–.01	28.71E–.02	21–3	3.8b,3.0s		
PRU	XII	03 18 58 38.1–.00	43.44N	28.80E	0	4.8,3.0s		
BUC	XII	03 18 58 38.7–.78	43.43N	28.67E	7–3	5.0,3.0s		
IDC	XII	03 18 58 39.1–.68	43.58N	28.88E	0	3.9,3.8		
SOF	XII	03 18 58 39.4	43.46N	28.67E	15	3.7,3.8		
BEO	XII	03 18 58 39.3–.90	43.32N	28.62E	0	4.7L,3.8		
NEIC	XII	03 18 58 39.3–.24	43.45N	28.65E	10	4.6L,4.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=4.4km s-min=3.7km az=84.8.
DDA Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=16.3.
BUC Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=131.0.
IDC Error ellipse: s-maj=12.5km s-min=6.4km az=27.0.
BEO Event type ke.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=137.0. Felt at Dobrich, Shumen, Rusa and Varna, Bulgaria and at Bucharest, Constanta, Giurgiu and Tulcea, Romania.

ISC	**XII**	**23 13 48 43.2–1.3**	**42.37N–.02**	**40.92E–.04**	**11–11**		**59**	**1-22**
TIF	XII	23 13 48 43.4	42.35N	40.90E	27–3			**¶602954014**
MOS	XII	23 13 48 44.4–.00	42.51N	41.09E	5–0	4.0		
DDA	XII	23 13 48 44.7	42.18N	40.91E	7	3.2L		

ISC Event type ke.
MOS Event type se.
DDA Event type ke.

ISC	**XII**	**23 13 54 03.1–1.5**	**42.38N–.02**	**40.91E–.02**	**10–11**		**95**	**1-27**
TIF	XII	23 13 54 02.5	42.35N	40.85E	21–2			**¶602329199**
ISK	XII	23 13 54 03.5	42.30N	41.04E	13–0	3.3L		
MOS	XII	23 13 54 04.4–.00	42.54N	41.09E	7–0	4.2		
DDA	XII	23 13 54 04.6	42.26N	41.20E	7	3.5L		

ISC Event type ke.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.

ISC	**XII**	**23 14 17 46.5–1.3**	**42.38N–.02**	**40.89E–.04**	**3–11**		**42**	**1-3**
TIF	XII	23 14 17 47.0	42.38N	40.88E	25–2			**¶602329200**
MOS	XII	23 14 17 48.9–.00	42.54N	41.09E	8–0	3.7		
DDA	XII	23 14 17 48.3	42.17N	40.83E	6	3.4L		

ISC Event type ke.
MOS Event type se.
DDA Event type ke.

ISC	**XII**	**23 14 18 41.8–1.1**	**42.43N–.02**	**41.00E–.02**	**3–9**	**3.5b**	**166**	**1-74**
IDC	XII	23 14 18 42.0–1.4	42.43N	40.92E	0	3.5,3.4		**¶602954019**
ISK	XII	23 14 18 42.6	42.35N	40.89E	5–0	3.6L,3.4		
TIF	XII	23 14 18 43.2	42.36N	40.90E	22–2	3.6L,3.4		
MOS	XII	23 14 18 45.9–.00	42.57N	41.03E	7–0	4.7,3.4		
DDA	XII	23 14 18 45.2	42.17N	40.93E	17	3.8L,3.4		
AZER	XII	23 14 18 53.0–2.3	43.03N	41.27E	10	3.7L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=9.4km az=149.0.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
AZER Error ellipse: s-maj=29.3km s-min=17.3km az=24.0.

ISC	**XII**	**23 14 28 26.6–1.4**	**42.38N–.03**	**40.96E–.05**	**17–12**		**34**	**1-3**
MOS	XII	23 14 28 28.5–.00	42.55N	41.14E	7–0	3.7		**¶606583401**

ISC Event type se.
MOS Event type se.

ISC	**XII**	**23 14 55 21.6–1.4**	**42.45N–.05**	**40.99E–.06**	**13–13**		**12**	**1-2**
TIF	XII	23 14 55 20.9	42.41N	40.94E	23–4			**¶602954021**
MOS	XII	23 14 55 22.5–.00	42.51N	41.08E	6–0	3.1		

ISC Event type se.
MOS Event type se.

ISC	**XII**	**23 15 09 14.5–1.2**	**42.36N–.02**	**40.93E–.02**	**0–9**	**3.6b**	**117**	**1-63**
TIF	XII	23 15 09 14.8	42.40N	40.89E	22–2	3.6b		**¶602329201**
IDC	XII	23 15 09 14.1–1.8	42.41N	40.95E	0	3.4b,3.2		
ISK	XII	23 15 09 15.4	42.32N	40.93E	8–0	3.3L,3.2		
MOS	XII	23 15 09 16.6–.00	42.52N	41.03E	4–0	4.1,3.2		
NORS	XII	23 15 09 17.0–.00	42.52N	41.36E	1–0	4.1,3.2		
DDA	XII	23 15 09 25.7	41.51N	40.89E	7	3.4L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=8.6km az=145.0.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
DDA Event type ke.

ISC	**XII**	**23 15 18 35.0–1.1**	**42.37N–.01**	**40.94E–.02**	**0–8**	**3.4b**	**230**	**1-63**
IDC	XII	23 15 18 35.4–.85	42.46N	40.95E	0	3.7L,3.5		**¶602329203**
NEIC	XII	23 15 18 35.9–.00	42.33N	40.88E	9	4.2L,3.9L		
TIF	XII	23 15 18 35.7	42.38N	40.91E	22–1	4.2L,3.9L		
ISK	XII	23 15 18 36.2	42.30N	40.90E	10–0	3.9L,3.9L		
MOS	XII	23 15 18 36.2–.00	42.42N	41.06E	3–0	4.9,3.9L		
DDA	XII	23 15 18 39.1	42.11N	40.97E	4	3.8L,3.9L		
AZER	XII	23 15 18 43.4–6.0	43.78N	41.83E	34–195	3.8L,3.9L		

ISC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=6.8km az=157.0.
NEIC Event type se. After ISK.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
AZER Error ellipse: s-maj=141.7km s-min=39.6km az=134.0.

ISC	**XII**	**23 18 21 59.5–1.4**	**42.38N–.02**	**40.99E–.03**	**3–11**	**3.7b**	**71**	**1-63**
TIF	XII	23 18 21 59.5	42.40N	40.91E	30–4	3.7b		**¶602329220**
ISK	XII	23 18 21 59.4	42.34N	40.92E	9–0	2.8L		
DDA	XII	23 18 22 00.6	42.15N	40.79E	7	3.4L		
MOS	XII	23 18 22 01.1–.00	42.54N	41.06E	5–0	3.7		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.

ISC	**XII**	**23 19 32 58.4–1.8**	**42.36N–.02**	**40.97E–.03**	**1–13**		**104**	**1-63**
TIF	XII	23 19 32 58.0	42.38N	40.96E	22–2			**¶602329222**
ISK	XII	23 19 32 58.2	42.36N	40.99E	15–0	3.4L		
DDA	XII	23 19 32 59.5	42.24N	41.02E	15	3.5L		
MOS	XII	23 19 33 00.3–.00	42.51N	41.10E	3–0	4.1		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.

ISC	**XII**	**23 21 57 26.2–1.4**	**42.40N–.03**	**41.00E–.06**	**9–11**		**20**	**1-2**
MOS	XII	23 21 57 28.3–.00	42.53N	41.10E	6–0	3.3		**¶606583425**

ISC Event type ke.
MOS Event type se.

ISC	**XII**	**23 22 27 49.6–1.4**	**42.37N–.03**	**40.94E–.07**	**17–11**		**26**	**1-2**
ISK	XII	23 22 27 48.2	42.37N	40.89E	15–0	2.3L		**¶602329230**
ISCJB	XII	23 22 27 50.6–.87	42.37N–.03	40.93E–.09	24–8	2.3L		
MOS	XII	23 22 27 51.6–.00	42.44N	41.29E	2–4	3.7		
DDA	XII	23 22 27 51.7	42.20N	41.04E	7	2.6L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.3km az=2.8.
MOS Event type se.
DDA Event type ke.

ISC	**XII**	**24 01 39 55.0–1.1**	**42.34N–.02**	**40.98E–.04**	**9–10**		**30**	**1-2**
DDA	XII	24 01 39 57.9	42.14N	40.87E	7	2.6L		**¶602984878**
MOS	XII	24 01 39 57.1–.00	42.50N	41.07E	5–0	3.2		

ISC Event type ke.
DDA Event type ke.
MOS Event type se.

ISC	**XII**	**24 08 50 48.7–1.2**	**42.37N–.02**	**40.97E–.03**	**4–10**		**87**	**1-49**
TIF	XII	24 08 50 48.8	42.36N	40.94E	18–3			**¶602329254**
ISK	XII	24 08 50 48.2	42.36N	40.99E	11–0	3.4L		
DDA	XII	24 08 50 50.0	42.25N	41.06E	13	3.5L		
MOS	XII	24 08 50 51.2–.00	42.53N	41.10E	6–0	3.9		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.

ISC	**XII**	**24 20 17 39.9–1.2**	**42.35N–.02**	**40.95E–.05**	**2–11**		**33**	**1-2**
DDA	XII	24 20 17 42.8	42.04N	40.66E	7	2.6L		**¶602984906**
MOS	XII	24 20 17 43.2–.00	42.53N	41.09E	6–0	3.2		

ISC Event type ke.
DDA Event type ke.
MOS Event type se.

ISC	**XII**	**24 22 19 23.5–.63**	**42.40N–.02**	**40.99E–.02**	**10**		**107**	**1-46**
ISK	XII	24 22 19 22.6	42.36N	40.98E	8–0	3.0L		**¶602329275**
ISCJB	XII	24 22 19 22.5–.29	42.40N–.02	40.87E–.03	10	3.0L		
TIF	XII	24 22 19 22.5	42.37N	40.92E	19–3	3.0L		
MOS	XII	24 22 19 24.0–.00	42.52N	41.06E	5–0	3.8		
AZER	XII	24 22 19 31.1–3.9	42.03N	40.73E	2	3.0L		
DDA	XII	24 22 19 39.2	41.55N	41.84E	7	2.6L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=155.1.
MOS Event type se.
AZER Error ellipse: s-maj=64.3km s-min=24.7km az=7.0.
DDA Event type ke.

ISC	**XII**	**25 00 11 41.6–1.4**	**42.41N–.03**	**41.00E–.05**	**9–12**		**18**	**1-2**
MOS	XII	25 00 11 44.1–.00	42.52N	41.05E	9–0	3.0		**¶602984913**
DDA	XII	25 00 11 44.3	42.18N	40.85E	7	2.3L		

ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 25 15 22 20.8–1.3 42.44N–.03 40.98E–.04 7–11 28 1-2
TIF XII 25 15 22 21.2 42.45N 41.00E 10–3 **¶602329317**
ISK XII 25 15 22 21.1 42.40N 40.98E 18–0 2.9L
MOS XII 25 15 22 23.5–.00 42.56N 41.08E 5–0 3.4
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
ISC XII 25 17 53 31.5–1.2 42.42N–.03 41.00E–.03 10–11 39 1-2
ISK XII 25 17 53 30.8 42.43N 40.96E 17–0 2.7L **¶602329322**
TIF XII 25 17 53 32.6 42.43N 41.03E 13–4 2.7L
ISCJB XII 25 17 53 33.3–.67 42.37N–.02 40.87E–.05 18–6 2.7L
MOS XII 25 17 53 34.3–.00 42.55N 41.06E 3–0 3.3
DDA XII 25 17 53 49.0 41.55N 41.88E 7 2.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.4km az=172.7.
MOS Event type se.
DDA Event type ke.
ISC XII 25 22 44 33.6–.47 42.46N–.02 40.98E–.02 13–2 5.2b,5.0s 1616 1-159
AZER XII 25 22 44 30.9–1.4 43.01N 40.75E 6 5.7L,4.7s **¶602058478**
IDC XII 25 22 44 31.4–.36 42.48N 40.94E 0 5.0,5.0
BJI XII 25 22 44 31.9 42.42N 41.13E 6 5.4s,5.3b
ISK XII 25 22 44 31.5 42.43N 40.95E 9–0 5.4L,5.3b
MOS XII 25 22 44 32.6–.00 42.46N 41.07E 7–0 5.4L,5.3b
TIF XII 25 22 44 32.4 42.41N 40.87E 34–1 5.4L,5.3b
ISCJB XII 25 22 44 33.1–.06 42.451N–.01 40.872E–.01 19 5.2b,5.0s
NEIC XII 25 22 44 33.5–.12 42.44N 40.97E 10 5.4L,5.3b
DDA XII 25 22 44 34.5 42.17N 40.99E 7 5.4L,5.3b
GCMT XII 25 22 44 34.5–.10 42.51N–.01 40.95E–.01 16–0 5.4W,5.3b
GII XII 25 22 44 34.6–.00 42.44N 41.02E 14 5.4W,5.3b
NNC XII 25 22 44 42.1–9.1 42.71N 41.87E 31–68 5.3b,5.3b
ISC Event type fe.
AZER Error ellipse: s-maj=16.3km s-min=13.3km az=68.0.
IDC Error ellipse: s-maj=8.1km s-min=5.8km az=152.0.
ISK Event type ke.
MOS Event type se. FELT I=V-VI MSK at Poti; V MSK at Sochi, Gagra, Batumi; III MSK at Cherkessk, Karachaevsk.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=6.9.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=162.0. Felt [III] at Bat'umi. Also felt at Gagra, K'ut'aisi, P'ot'i, Sokhumi, Varcha and Zugdidi. Felt [IV] at Sochi, Russia. Also felt at Kislovodsk. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05 $M_{\theta\theta}$7.05 $M_{\phi\phi}$-7.10 $M_{r\theta}$3.78 $M_{\theta\phi}$3.37 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s31.00000°,δ65.00000° ,λ174.00000°. NP2:ϕ_s123.00000°,δ85.00000°,λ25.00000°. Principal axes: T 9.1600,Plg21.0000°,Azm350.0000°; N -0.8500,Plg64.0000°,Azm134.0000° ; P -8.3000,Plg14.0000°,Azm254.0000° $M_0$8.80000×10^{16}
DDA Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c130; s114,c222;Duration: 1$\frac{1}{2}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$1.35±.02; $M_{\phi\phi}$-1.27±.02; $M_{r\theta}$-0.17±.06; $M_{\theta\phi}$0.63±.02; $M_{\phi r}$-0.05±.05; Best double couple: NP1:ϕ_s212.00000°,δ86.00000°,λ175.00000°. NP2:ϕ_s302.00000°,δ85.00000°,λ4.00000°. Principal axes: T 1.5130,Plg6.0000° ,Azm167.0000°; N -0.1000,Plg84.0000°,Azm353.0000°; P -1.4140,Plg1.0000° ,Azm257.0000° $M_0$1.46400×10^{17}
GII Event type ke.
NNC Event type se. Error ellipse: s-maj=43.6km s-min=37.5km az=94.0.
ISC XII 25 22 54 11.8–1.3 42.40N–.02 40.97E–.04 5–10 50 1-2
DDA XII 25 22 54 12.7 42.27N 40.96E 7 3.6L **¶602954034**
MOS XII 25 22 54 13.4–.00 42.53N 41.03E 4–0 3.9
TIF XII 25 22 54 13.0 42.38N 41.08E 17–5 3.9
ISC Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 25 22 55 49.3–1.1 42.42N–.02 40.92E–.02 0–7 4.2b 323 1-88
NNC XII 25 22 55 45.5–9.3 42.79N 40.51E 0 4.7b **¶602058479**
AZER XII 25 22 55 47.1–1.5 43.08N 40.53E 5 4.9L
ISCJB XII 25 22 55 48.6–.44 42.49N–.01 40.81E–.02 1–3 4.8s,4.2b
ISK XII 25 22 55 49.4 42.44N 40.94E 5–0 4.4L,4.2b
IDC XII 25 22 55 49.5–.55 42.49N 40.94E 0 4.4L,4.2
MOS XII 25 22 55 49.4–.00 42.45N 40.98E 1–0 5.4,4.2
TIF XII 25 22 55 49.7 42.40N 40.90E 23–2 5.4,4.2
DDA XII 25 22 55 50.7 42.32N 41.04E 9 4.4L,4.2
BJI XII 25 22 55 50.2 42.50N 40.90E 10 5.0b,4.7
NEIC XII 25 22 55 50.8–.28 42.47N 40.96E 10 4.4L,4.4b
ISC Event type fe.
NNC Event type se. Error ellipse: s-maj=82.3km s-min=51.2km az=80.0.
AZER Error ellipse: s-maj=29.3km s-min=10.3km az=12.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.9km az=170.3.
ISK Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.2km az=156.0.
MOS Event type se.
DDA Event type ke.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.4km az=191.0. Felt at Bat'umi, Sokhumi and Varcha.
ISC XII 25 23 00 46.1–1.3 42.37N–.02 40.90E–.05 2–12 40 1-3
ISK XII 25 23 00 46.9 42.34N 40.89E 13–0 2.6L **¶602329332**
TIF XII 25 23 00 47.6 42.37N 40.82E 33–3 2.6L
MOS XII 25 23 00 49.6–.00 42.54N 41.05E 4–0 3.7
DDA XII 25 23 00 50.2 42.23N 41.10E 7 3.1L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 25 23 01 46.1–1.4 42.39N–.03 40.96E–.06 1–11 31 1-2
MOS XII 25 23 01 48.5–.00 42.54N 41.08E 6–0 3.4 **¶607215293**
DDA XII 25 23 01 49.0 42.22N 41.03E 7 3.1L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 25 23 21 01.6–4.3 42.4N–.10 40.7E–.20 35 11 1-2
DDA XII 25 23 21 01.1 42.30N 40.97E 6 2.6L **¶602984946**
ISC Event type ke.
DDA Event type ke.
ISC XII 25 23 34 24.8–2.8 42.37N–.06 40.94E–.07 24–24 19 1-2
ISCJB XII 25 23 34 22.9–1.5 42.35N–.05 40.90E–.07 9–10 **¶602329340**
ISK XII 25 23 34 22.9 42.37N 40.96E 15–0 2.6L
DDA XII 25 23 34 40.0 41.54N 41.87E 7 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=8.2km az=163.4.
ISK Event type ke.
DDA Event type ke.
ISC XII 25 23 36 47.5–3.5 42.30N–.10 41.0E–.20 8–14 11 1-2
DDA XII 25 23 36 48.4 42.25N 41.06E 7 2.8L **¶602984947**
ISC Event type ke.
DDA Event type ke.
ISC XII 26 02 22 01.7–1.1 42.36N–.02 40.97E–.03 22–7 50 1-2
ISK XII 26 02 21 59.6 42.36N 40.87E 15–0 2.7L **¶602329355**
DDA XII 26 02 22 02.9 42.25N 41.08E 7 2.8L
MOS XII 26 02 22 03.1–.00 42.54N 41.06E 4–0 3.3
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 26 17 47 44.1–1.4 42.38N–.03 40.95E–.05 6–11 34 1-3
TIF XII 26 17 47 45.2 42.37N 41.02E 16–6 **¶602954075**
DDA XII 26 17 47 46.8 42.22N 41.05E 7 2.9L
MOS XII 26 17 47 46.7–.00 42.50N 41.05E 9–0 3.6
ISC Event type ke.
DDA Event type ke.

MOS Event type se.
ISC XII 26 19 19 52.6–1.2 42.44N–.02 40.99E–.02 4–9 115 1-25
MOS XII 26 19 19 53.8–.00 42.53N 41.00E 2–0 4.0 **¶602329392**
ISK XII 26 19 19 53.9 42.37N 41.04E 7–0 3.5L
TIF XII 26 19 19 54.3 42.35N 41.15E 24–2 3.5L
DDA XII 26 19 19 55.0 42.15N 40.89E 7 3.6L
AZER XII 26 19 20 03.6–1.8 41.84N 40.70E 10 3.0L
ISC Event type ke.
MOS Event type se.
ISK Event type ke.
DDA Event type ke.
AZER Error ellipse: s-maj=90.9km s-min=15.2km az=11.0.
ISC XII 27 03 06 05.4–1.3 42.36N–.03 40.96E–.04 14–11 28 1-2
MOS XII 27 03 06 08.2–.00 42.53N 41.09E 7–0 2.9 **¶602985016**
DDA XII 27 03 06 08.0 42.23N 41.06E 6 2.6L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 27 05 15 46.8–1.2 42.41N–.02 40.86E–.02 6–8 3.6b 182 1-74
IDC XII 27 05 15 46.9–.82 42.48N 40.88E 0 3.9L,3.7 **¶602329417**
TIF XII 27 05 15 47.6 42.42N 41.03E 13–4 3.9L,3.7
ISK XII 27 05 15 48.5 42.39N 41.02E 25–0 3.9L,3.7
MOS XII 27 05 15 48.3–.00 42.50N 41.00E 5–0 5.0,3.7
ISCJB XII 27 05 15 48.1–.60 42.43N–.02 40.83E–.02 17–5 3.5b,3.7
AZER XII 27 05 15 55.2–1.0 41.51N 40.44E 22–23 3.7L,3.7
DDA XII 27 05 16 07.2 41.44N 39.45E 3 2.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=7.4km az=159.0.
ISK Event type ke.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=157.2.
AZER Error ellipse: s-maj=37.7km s-min=18.2km az=179.0.
DDA Event type ke.
ISC XII 27 07 16 01.9–4.7 42.3N–.10 40.8E–.30 35 9 1-2
DDA XII 27 07 15 60.0 42.23N 41.00E 7 2.5L **¶602985027**
ISC Event type ke.
DDA Event type ke.
ISC XII 27 09 07 58.8–4.5 42.4N–.10 40.9E–.30 35 10 1-2
DDA XII 27 09 07 58.2 42.17N 40.89E 7 2.8L **¶602985036**
ISC Event type ke.
DDA Event type ke.
ISC XII 27 14 12 15.0–1.6 42.37N–.03 40.94E–.03 17–14 53 1-3
ISK XII 27 14 12 14.1 42.33N 40.85E 17–0 3.3L **¶602329442**
TIF XII 27 14 12 15.7 42.36N 40.96E 29–4 3.3L
MOS XII 27 14 12 16.5–.00 42.54N 41.06E 4–0 3.9
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
ISC XII 27 20 25 06.7–4.5 42.3N–.10 41.0E–.30 7–15 10 1-2
DDA XII 27 20 25 08.6 42.16N 41.03E 7 2.6L **¶602985075**
ISC Event type ke.
DDA Event type ke.
ISC XII 28 16 13 24.8–2.0 42.31N–.06 40.95E–.07 14–11 20 1-2
ISCJB XII 28 16 13 23.1–1.5 42.36N–.05 40.94E–.09 4–10 **¶602329505**
ISK XII 28 16 13 24.2 42.33N 41.03E 18–0 2.6L
DDA XII 28 16 13 39.5 41.57N 41.89E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.8km az=165.3.
ISK Event type ke.
DDA Event type ke.
ISC XII 28 17 19 38.8–1.4 42.38N–.02 40.98E–.03 1–11 3.6b 84 1-33
ISK XII 28 17 19 38.9 42.33N 41.01E 14–0 3.3L **¶602329511**
TIF XII 28 17 19 39.2 42.35N 40.98E 25–2 3.3L
DDA XII 28 17 19 39.4 42.29N 41.05E 13 3.3L
MOS XII 28 17 19 40.3–.00 42.51N 41.06E 5–0 4.1
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 28 20 13 16.1–1.2 42.37N–.02 40.97E–.02 0–10 120 1-25
AZER XII 28 20 13 12.6–4.0 41.88N 40.02E 2 3.2L **¶602329519**
DDA XII 28 20 13 14.7 42.37N 40.89E 7 3.2
ISK XII 28 20 13 16.5 42.36N 40.99E 9–0 3.4L
TIF XII 28 20 13 18.0 42.29N 41.02E 27–3 3.4L
MOS XII 28 20 13 18.7–.00 42.52N 41.08E 6–0 4.2
ISC Event type ke.
AZER Error ellipse: s-maj=77.5km s-min=25.9km az=14.0.
DDA Event type ke.
ISK Event type ke.
MOS Event type se.
ISC XII 29 00 07 52.7–1.7 42.41N–.03 40.98E–.04 16–13 47 1-2
ISK XII 29 00 07 52.5 42.37N 41.00E 14–0 2.4L **¶602329523**
MOS XII 29 00 07 54.8–.00 42.57N 40.97E 13–0 3.0
DDA XII 29 00 07 54.9 42.19N 40.98E 7 2.5L
TIF XII 29 00 07 54.2 42.34N 41.03E 30–5 2.5L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 29 01 24 57.6–3.1 42.38N–.02 40.99E–.03 13–23 54 1-3
TIF XII 29 01 24 57.2 42.31N 40.88E 27–6 **¶602329528**
ISK XII 29 01 24 57.8 42.34N 41.01E 20–0 2.8L
DDA XII 29 01 24 58.8 42.17N 40.90E 9 2.8L
MOS XII 29 01 25 00.1–.00 42.58N 41.08E 8–0 3.6
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 29 14 22 45.1–3.3 42.43N–.09 40.9E–.20 13–13 14 1-2
TIF XII 29 14 22 47.5 42.36N 41.00E 28–5 **¶602954088**
DDA XII 29 14 22 49.1 42.15N 40.91E 7 2.7L
ISC Event type ke.
DDA Event type ke.
ISC XII 29 23 37 54.3–.97 42.37N–.02 40.96E–.02 20–5 102 1-22
ISK XII 29 23 37 52.4 42.38N 40.96E 12–0 3.3L **¶602329558**
TIF XII 29 23 37 53.0 42.36N 40.96E 34–2 3.3L
MOS XII 29 23 37 54.1–.00 42.53N 41.04E 4–0 4.4
DDA XII 29 23 37 54.7 42.25N 41.06E 28 3.3L
AZER XII 29 23 38 03.0–1.9 41.84N 40.77E 8 3.1L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
AZER Error ellipse: s-maj=45.6km s-min=14.6km az=8.0.
ISC XII 30 16 17 02.6–3.4 42.4N–.10 40.7E–.20 10 7 1-2
¶607290776
ISC Event type ke.
ISC XII 31 22 32 06.9–4.1 42.4N–.10 40.9E–.20 10 8 1-2
¶607290773
ISC Event type ke.

(361) Crimea region.

ISC VIII 09 19 04 51.7–.93 44.72N–.04 36.72E–.02 31–8 3.4b 111 1-47
IDC VIII 09 19 04 48.5–.59 44.83N 36.72E 0 3.5,3.4 **¶601765711**
MOS VIII 09 19 04 49.3–1.4 44.97N 36.81E 11 3.6b,3.4
MOS VIII 09 19 04 50.2–.00 44.61N 36.72E 13–0 3.9,3.4
SIGU VIII 09 19 04 51.5–.20 44.63N 36.69E 14–5 3.0b,3.4
DDA VIII 09 19 04 53.3 44.33N 36.73E 5 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=7.0km az=16.0.
MOS Error ellipse: s-maj=11.1km s-min=8.0km az=7.3.

MOS Event type se.
DDA Event type ke.
ISC X 17 19 06 35.4–1.1 44.77N–.04 36.35E–.02 27–9 3.4b 86 1-61
MOS X 17 19 06 35.4–.00 44.67N 36.36E 20–0 4.4 **¶601874171**
SIGU X 17 19 06 36.0–.40 44.62N 36.33E 9–4 3.5W,3.2b
IDC X 17 19 06 36.4–1.1 44.98N 36.30E 37–16 3.6,3.6L
ISC Event type se.
MOS Event type se.
IDC Error ellipse: s-maj=10.0km s-min=7.2km az=12.0.
ISC X 19 00 38 54.7–1.1 44.74N–.08 36.35E–.03 26–13 38 1-8
SIGU X 19 00 38 53.6–.20 44.62N 36.34E 12–5 **¶604158551**
MOS X 19 00 38 54.2–.00 44.72N 36.36E 21–0 3.6
ISC Event type se.
MOS Event type se.
ISC XI 06 19 27 48.5–1.1 44.64N–.07 36.57E–.02 31–12 42 1-5
ISCJB XI 06 19 27 47.9–.95 44.60N–.08 36.56E–.04 29–8 **¶604158662**
MOS XI 06 19 27 47.4–.00 44.66N 36.50E 26–0 3.5
SIGU XI 06 19 27 47.4–.20 44.65N 36.54E 19–4 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=3.8km az=8.1.
MOS Event type se.
ISC XII 17 09 07 22.9–1.2 44.96N–.05 36.14E–.03 32–11 3.3b 67 0-57
MOS XII 17 09 07 20.6–1.9 45.30N 36.24E 22 4.1b **¶602391533**
IDC XII 17 09 07 20.1–.67 44.98N 36.13E 0 3.8,3.7
SIGU XII 17 09 07 23.5–.50 44.90N 36.14E 21–6 3.3W,3.0b
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=7.2km az=130.5.
IDC Error ellipse: s-maj=11.0km s-min=8.1km az=20.0.

(362) Western Caucasus.

ISC VII 10 01 15 18.0–.82 42.54N–.02 43.53E–.02 11–5 57 0-2
NORS VII 10 01 15 16.6–.00 42.47N 43.46E 7–0 **¶602952286**
TIF VII 10 01 15 17.4 42.53N 43.54E 11–3
MOS VII 10 01 15 17.7–.00 42.50N 43.47E 13–0 2.8
ISCJB VII 10 01 15 18.2–.45 42.54N–.03 43.47E–.03 5–5 2.8
CSEM VII 10 01 15 18.1–.32 42.50N 43.49E 2 1.8L
DDA VII 10 01 15 54.4 42.70N 43.85E 11 3.1L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=174.2.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=157.0.
DDA Event type ke.
ISC VII 10 13 23 26.4–1.1 42.56N–.03 42.47E–.03 8–10 36 1-2
NORS VII 10 13 22 28.3–.00 42.67N 42.55E 19–0 **¶602994651**
MOS VII 10 13 22 28.4–.00 42.68N 42.57E 15–0 3.1
CSEM VII 10 13 23 25.8 42.29N 42.21E 9 2.5L
DDA VII 10 13 23 25.8 42.29N 42.21E 9 2.5L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 12 02 22 33.7–.81 42.54N–.02 43.44E–.03 13–5 44 0-2
TIF VII 12 02 22 33.8 42.54N 43.45E 12–1 **¶602952294**
NORS VII 12 02 22 34.2–.00 42.56N 43.37E 6–1
CSEM VII 12 02 22 34.7–.51 42.51N 43.37E 2 1.6L
MOS VII 12 02 22 34.4–.00 42.56N 43.39E 11–0 2.8
DDA VII 12 02 23 23.1 42.92N 43.75E 5 3.0L
ISC Event type ke.
NORS Event type se.
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=9.4km az=146.0.
MOS Event type se.
DDA Event type ke.
ISC VII 12 03 18 03.2–.82 42.56N–.02 43.42E–.03 8–4 64 0-2
NORS VII 12 03 18 01.8–.00 42.55N 43.41E 8–0 **¶602952295**
MOS VII 12 03 18 02.2–.00 42.56N 43.34E 8–0 3.4
TIF VII 12 03 18 02.4 42.56N 43.44E 10–1 3.4
CSEM VII 12 03 18 03.3–.52 42.56N 43.38E 2 2.2L
DDA VII 12 03 18 25.9 42.73N 43.35E 6 3.1L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=9.0km az=158.0.
DDA Event type ke.
ISC VII 12 07 12 42.9–.82 42.59N–.03 43.44E–.03 9–4 32 0-2
NORS VII 12 07 12 41.7–.00 42.57N 43.44E 15–0 **¶602994775**
ISCJB VII 12 07 12 42.9–.45 42.60N–.03 43.42E–.04 6–4
MOS VII 12 07 12 42.6–.00 42.58N 43.41E 10–0 2.9
DDA VII 12 07 13 03.5 42.59N 42.44E 16 2.8L
ISC Event type ke.
NORS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=11.5.
MOS Event type se.
DDA Event type ke.
ISC VII 20 13 51 12.1–.91 42.48N–.01 44.08E–.01 9–6 4.1b,3.4s 482 0-74
MOS VII 20 13 51 09.7–.00 42.50N 44.04E 2–0 5.0,3.4s **¶601453280**
ISK VII 20 13 51 10.5 42.60N 44.29E 18–0 4.2L,3.4s
IDC VII 20 13 51 10.4–.53 42.46N 43.93E 0 4.1,4.0
AZER VII 20 13 51 10.0–1.8 42.15N 43.85E 3 4.5L,4.0
NORS VII 20 13 51 11.5–.00 42.54N 44.06E 16–0 4.5L,4.0
TIF VII 20 13 51 11.3 42.52N 44.10E 13–1 4.5L,4.0
BJI VII 20 13 51 11.9 42.50N 44.10E 8 4.7b,4.7b
ISCJB VII 20 13 51 11.6–.29 42.52N–.01 44.05E–.01 2–2 4.1b,3.5s
CSEM VII 20 13 51 12.9–.10 42.53N 44.07E 10 4.3b,3.5s
MOS VII 20 13 51 12.1–1.5 42.50N 44.02E 16 4.6b,3.5s
NEIC VII 20 13 51 12.6–.31 42.53N 44.14E 10 4.3b,4.2L
NNC VII 20 13 51 15.8–3.1 42.80N 44.37E 12–27 4.1b,4.2L
DRS VII 20 13 51 15.0–.00 42.21N 44.53E 13 4.1b,4.2L
ISC Event type ke.
MOS Event type se.
ISK Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=7.8km az=55.0.
AZER Error ellipse: s-maj=3.1km s-min=2.5km az=268.0.
NORS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=28.4.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=40.0.
MOS Error ellipse: s-maj=4.9km s-min=3.9km az=112.3.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=193.0.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=14.1km az=106.0.
DRS Event type se.
ISC VII 21 12 15 25.4–3.2 42.5N–.30 42.9E–.20 6 10 0-2
¶606544379
ISC Event type ke.
ISC VII 23 16 33 52.3–1.1 42.33N–.01 43.03E–.02 4–9 211 0-26
NORS VII 23 16 33 51.9–.00 42.34N 42.99E 8–0 **¶601831584**
AZER VII 23 16 33 51.3–.04 42.21N 42.78E 24–4 3.1L
ISK VII 23 16 33 51.6 42.32N 42.95E 2–0 3.0L
DDA VII 23 16 33 51.4 42.36N 43.02E 18 3.4L
MOS VII 23 16 33 52.3–1.0 42.34N 43.07E 7 4.0b
TIF VII 23 16 33 52.5 42.35N 43.16E 8–2 4.0b
CSEM VII 23 16 33 52.3–.13 42.35N 43.00E 2 3.0L
MOS VII 23 16 33 52.3–.00 42.32N 43.08E 1–0 3.7
ISC Event type ke.
NORS Event type se.
AZER Error ellipse: s-maj=8.8km s-min=4.8km az=226.0.
ISK Event type ke.
MOS Error ellipse: s-maj=8.0km s-min=5.2km az=89.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=98.0.
MOS Event type se.
ISC VII 24 01 46 09.4–1.0 44.16N–.03 39.63E–.02 11–8 77 1-45
IDC VII 24 01 46 08.3–.71 43.99N 39.52E 0 3.5,3.5 **¶601666351**
ISCJB VII 24 01 46 09.2–.52 44.06N–.03 39.50E–.03 1–4 3.4b,3.5
MOS VII 24 01 46 09.8–.00 44.09N 39.58E 6–0 4.2,3.5
CSEM VII 24 01 46 09.6 44.10N 39.48E 15 4.0b,3.5
MOS VII 24 01 46 09.6–2.6 44.10N 39.48E 15 4.0b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=7.6km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=28.4.
MOS Event type se.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
MOS Error ellipse: s-maj=12.6km s-min=8.3km az=43.0.
ISC VIII 03 14 20 48.9–.85 43.77N–.02 42.97E–.02 11–7 78 0-16
MOS VIII 03 14 20 48.9–.00 43.77N 42.99E 4–0 4.0 **¶605299910**
MOS VIII 03 14 20 48.3–1.2 43.82N 42.96E 11 3.9b
ISC Event type ke.
MOS Event type se.
MOS Error ellipse: s-maj=9.8km s-min=6.0km az=120.8.
ISC VIII 05 09 46 33.0–.81 42.58N–.02 43.41E–.02 10–4 61 0-3
TIF VIII 05 09 46 32.4 42.55N 43.48E 10–1 **¶602952334**
MOS VIII 05 09 46 32.6–.00 42.55N 43.43E 9–0 3.3
ISCJB VIII 05 09 46 33.0–.40 42.59N–.02 43.45E–.03 5–4 3.3
DDA VIII 05 09 46 34.2 42.83N 42.22E 6 2.8L
ISC Event type ke.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=159.2.
DDA Event type ke.
ISC VIII 08 00 31 38.6–1.0 42.31N–.02 43.00E–.02 9–9 56 0-2
MOS VIII 08 00 31 38.7–.00 42.33N 42.98E 6–0 2.8 **¶602952337**
DDA VIII 08 00 31 39.4 41.85N 43.54E 7 2.9L
TIF VIII 08 00 31 39.5 42.37N 43.12E 16–3 2.9L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC VIII 09 21 11 58.0–.69 42.45N–.01 43.08E–.02 10 160 0-5
TIF VIII 09 21 11 57.1 42.50N 43.13E 2–1 **¶601888865**
MOS VIII 09 21 11 57.0–.00 42.40N 43.08E 0–0 3.8
ISK VIII 09 21 11 57.8 42.54N 43.22E 5–0 2.8L
DDA VIII 09 21 11 58.8 42.41N 43.12E 7 3.3L
MOS VIII 09 21 11 58.0–1.8 42.47N 43.02E 10 3.8b
AZER VIII 09 21 11 59.9–99 42.16N 43.31E 3–32 3.0L
ISCJB VIII 09 21 11 59.4–.22 42.51N–.01 43.10E–.02 10 3.0L
ISC Event type ke.
MOS Event type se.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 16 00 11 52.4–.96 41.37N–.03 44.08E–.02 13–8 62 0-3
MOS VIII 16 00 11 50.9–.00 41.41N 44.14E 0–0 2.8 **¶602952357**
DDA VIII 16 00 11 51.8 41.38N 44.09E 7 3.1L
TIF VIII 16 00 11 52.2 41.41N 44.12E 15–1 3.1L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC VIII 24 04 14 05.0–.90 43.89N–.03 44.44E–.02 15–6 97 0-22
ISCJB VIII 24 04 14 03.0–.49 43.98N–.02 44.47E–.03 5–3 **¶602952369**
MOS VIII 24 04 14 03.1–.00 43.91N 44.46E 15–0 4.1
MOS VIII 24 04 14 04.3–.62 43.89N 44.45E 11 4.0b
TIF VIII 24 04 14 04.0 43.90N 44.47E 21–2 4.0b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=30.6.
MOS Event type se. FELT I=III MSK at Mosdok.
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=4.9km az=88.3. Felt (III) at Mozdok. Moment Tensor Solution.
ISC VIII 29 01 46 33.8–1.0 41.39N–.02 44.08E–.02 14–9 66 0-3
MOS VIII 29 01 46 31.6–.00 41.41N 44.09E 1–1 3.0 **¶602952380**
DDA VIII 29 01 46 33.8 41.41N 44.05E 7 2.9L
TIF VIII 29 01 46 34.1 41.39N 44.12E 16–2 2.9L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC IX 02 11 15 19.8–1.2 42.33N–.03 43.06E–.03 3–11 31 0-2
TIF IX 02 11 15 19.5 42.32N 43.17E 0–1 **¶602952394**
NORS IX 02 11 15 19.7–.00 42.34N 43.02E 7–0 3.4
DDA IX 02 11 15 25.4 41.64N 43.31E 7 3.3L
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
ISC IX 03 02 36 44.0–.95 42.74N–.03 44.42E–.03 17–8 33 0-2
MOS IX 03 02 36 42.9–.00 42.71N 44.42E 17–0 2.8 **¶602952396**
TIF IX 03 02 36 43.4 42.79N 44.48E 17–3 2.8
ISC Event type ke.
MOS Event type se.
ISC IX 04 00 38 47.9–.59 43.33N–.02 39.55E–.02 10 3.4b 119 1-44
IDC IX 04 00 38 46.4–.69 43.29N 39.68E 0 3.4,3.4b **¶601862892**
ISCJB IX 04 00 38 47.7–.21 43.36N–.02 39.49E–.02 10 3.3b,3.4b
MOS IX 04 00 38 47.0–.00 43.34N 39.52E 7–0 4.4,3.4b
MOS IX 04 00 38 49.2–1.0 43.39N 39.47E 19 3.9b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=6.8km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.9km az=163.1.
MOS Event type se. FELT I=II-III MSK at Sochi.
MOS Error ellipse: s-maj=8.3km s-min=6.9km az=175.9. Felt (II-III) at Sochi. Moment Tensor Solution.
ISC IX 04 18 28 01.3–1.1 42.44N–.03 43.52E–.06 12–9 22 0-1
NORS IX 04 18 28 00.5–.00 42.46N 43.47E 10–0 3.0 **¶602952404**
TIF IX 04 18 28 01.3 42.46N 43.51E 10–2 3.0
ISC Event type ke.
NORS Event type se.
ISC IX 07 10 11 44.8–1.8 42.78N–.04 41.71E–.07 10–11 26 1-2
ISCJB IX 07 10 11 46.0–1.1 42.80N–.04 41.68E–.08 17–9 **¶602997573**
DDA IX 07 10 11 46.0 42.63N 41.65E 7 2.6L
NORS IX 07 10 11 47.4–.00 42.79N 41.90E 18–0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.1km az=34.1.
DDA Event type ke.
NORS Event type se.
ISC IX 07 12 24 21.5–.86 42.85N–.03 43.98E–.03 12–5 26 0-2
TIF IX 07 12 24 20.8 42.88N 44.03E 7–4 **¶602952414**
NORS IX 07 12 24 21.1–.00 42.76N 43.97E 11–0 3.7
ISC Event type ke.
NORS Event type se.
ISC IX 07 18 45 24.2–1.0 41.07N–.03 44.07E–.02 14–9 47 0-3
DDA IX 07 18 45 24.1 41.07N 44.05E 7 2.8L **¶602952415**
TIF IX 07 18 45 24.0 41.08N 44.10E 12–1 2.8L
NORS IX 07 18 45 25.2–.00 41.28N 44.17E 3–0 3.5
ISC Event type ke.
DDA Event type ke.
NORS Event type se.
ISC IX 07 19 41 44.8–1.1 41.06N–.03 44.09E–.03 10–10 32 0-2
DDA IX 07 19 41 44.9 41.06N 44.04E 7 2.6L **¶602952416**
TIF IX 07 19 41 44.7 41.09N 44.12E 13–1 2.6L
ISC Event type ke.
DDA Event type ke.
ISC IX 14 08 29 28.9–.88 41.87N–.02 44.49E–.02 17–7 81 0-103
MOS IX 14 08 29 28.3–.66 41.84N 44.48E 8 3.8b **¶602952468**
NORS IX 14 08 29 28.3–.00 41.85N 44.45E 1–0 3.8
TIF IX 14 08 29 28.3 41.88N 44.54E 20–1 3.8
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.5km az=97.4.
NORS Event type se.
ISC IX 14 12 28 27.8–1.1 42.54N–.03 42.82E–.03 8–10 30 0-2
TIF IX 14 12 28 26.3 42.59N 42.79E 11–7 **¶602952470**

NORS IX 14 12 28 27.8–.00 42.56N 42.83E 5–0 3.2
DDA IX 14 12 29 19.7 42.30N 42.81E 12 2.9L
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
ISC IX 16 23 45 14.8–.93 42.71N–.02 44.47E–.02 9–8 49 0-2
MOS IX 16 23 45 11.2–.00 42.60N 44.48E 18–0 2.9 ¶602952474
TIF IX 16 23 45 12.4 42.73N 44.44E 0–1 2.9
ISC Event type ke.
MOS Event type se.
ISC IX 21 20 46 25.3–1.2 44.51N–.05 37.54E–.03 20–6 30 0-4
MOS IX 21 20 46 24.5–.00 44.47N 37.53E 24–0 3.9 ¶604186713
ISCJB IX 21 20 46 26.0–.49 44.49N–.07 37.56E–.04 40–13 3.9
SIGU IX 21 20 46 25.5 44.51N 37.51E 18 3.9
ISC Event type ke.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=4.1km az=5.6.
ISC IX 22 22 28 57.6–1.1 44.18N–.03 42.54E–.02 7–8 109 0-20
MOS IX 22 22 28 57.8–1.8 44.18N 42.51E 9 4.1b ¶605299931
MOS IX 22 22 28 58.7–.00 44.13N 42.59E 9–0 4.2
NORS IX 22 22 28 59.0–.00 44.12N 42.59E 10–0 4.2
ISC Event type ke.
MOS Error ellipse: s-maj=10.2km s-min=4.9km az=124.9.
MOS Event type se.
NORS Event type se.
ISC IX 23 02 54 21.1–1.4 41.23N–.04 44.07E–.04 1–15 23 0-1
TIF IX 23 02 54 21.6 41.23N 44.03E 13–2 ¶602952486
DDA IX 23 02 54 21.5 41.20N 44.00E 7 2.7L
ISC Event type ke.
DDA Event type ke.
ISC IX 25 04 35 22.1–.94 42.85N–.04 44.39E–.04 17–6 18 0-2
TIF IX 25 04 35 20.7 42.78N 44.51E 5–1 ¶602952495
NORS IX 25 04 35 21.8–.00 42.97N 44.30E 8–0 2.7
ISCJB IX 25 04 35 22.8–.69 42.92N–.05 44.29E–.06 23–6 2.7
ISC Event type ke.
NORS Event type se.
ISCJB Event type ke.
ISC IX 25 11 26 09.1–.87 42.48N–.02 43.57E–.02 10–7 60 0-2
TIF IX 25 11 26 08.1 42.51N 43.61E 15–2 ¶602952496
MOS IX 25 11 26 08.7–.00 42.47N 43.55E 10–0 3.5
DDA IX 25 11 26 13.9 41.87N 43.65E 7 3.0L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC IX 29 12 33 56.5–1.5 42.41N–.04 43.04E–.05 14–11 19 0-2
NORS IX 29 12 33 55.9–.00 42.34N 42.98E 19–0 3.0 ¶603000905
DDA IX 29 12 33 57.5 42.38N 42.59E 7 2.6L
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
ISC IX 30 03 25 09.0–1.3 43.38N–.04 39.58E–.03 5–10 44 0-4
ISCJB IX 30 03 25 08.0–.64 43.39N–.03 39.54E–.03 7–5 ¶603000932
MOS IX 30 03 25 09.9–.00 43.44N 39.59E 9–0 3.8
DDA IX 30 03 25 51.8 44.04N 39.37E 13 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=11.8.
MOS Event type se.
DDA Event type ke.
ISC IX 30 05 28 15.8–1.6 42.58N–.09 43.16E–.05 13–12 20 0-2
TIF IX 30 05 28 15.6 42.58N 43.18E 12–3 ¶602952510
DDA IX 30 05 29 04.2 42.55N 43.07E 10 3.0L
ISC Event type ke.
DDA Event type ke.
TIF IX 30 18 46 39.8 42.42N 42.99E 17–2
DDA IX 30 18 47 41.9 42.25N 43.05E 5 3.2L ¶602952512
DDA Event type ke.
ISC X 03 02 08 13.6–1.6 42.52N–.06 44.42E–.03 4–11 32 0-2
MOS X 03 02 08 14.0–.00 42.61N 44.41E 9–0 2.8 ¶606583099
NORS X 03 02 08 14.1–.00 42.61N 44.41E 15–0 3.2
ISCJB X 03 02 08 16.8–.47 42.68N–.03 44.35E–.03 14–6 3.2
ISC Event type ke.
MOS Event type se.
NORS Event type se.
ISCJB Event type ke.
ISC X 03 20 54 02.7–.92 42.91N–.03 44.50E–.02 13–7 43 0-2
NORS X 03 20 54 00.7–.00 42.80N 44.58E 16–0 3.0 ¶602952526
MOS X 03 20 54 01.4–.00 42.88N 44.45E 18–0 2.2
TIF X 03 20 54 01.8 42.91N 44.50E 9–2 2.2
ISC Event type ke.
NORS Event type se.
MOS Event type se.
MOS X 08 01 59 08.3–.00 43.91N 43.05E 3–26 3.5
¶606583131
MOS Event type se.
ISC X 08 14 48 08.7–1.1 42.67N–.03 44.43E–.03 6–12 25 0-2
MOS X 08 14 48 07.6–.00 42.68N 44.39E 7–1 3.0 ¶606583133
NORS X 08 14 48 07.6–.00 42.67N 44.29E 4–0 3.2
ISC Event type ke.
MOS Event type se.
NORS Event type se.
ISC X 10 13 39 17.5–.99 41.37N–.04 44.42E–.03 7–6 46 0-2
MOS X 10 13 39 15.8–.00 41.28N 44.44E 14–0 3.6 ¶602952550
NORS X 10 13 39 16.7–.00 41.33N 44.50E 11–0 3.6
TIF X 10 13 39 17.6 41.45N 44.42E 0–1 3.6
DDA X 10 13 39 28.3 41.05N 43.62E 7 2.2L
ISC Event type ke.
MOS Event type se.
NORS Event type se.
DDA Event type ke.
ISC X 10 22 59 39.8–.86 41.43N–.02 44.10E–.02 11–6 66 0-3
MOS X 10 22 59 36.5–.00 41.37N 44.26E 19–0 3.2 ¶602079410
DDA X 10 22 59 39.2 41.40N 44.08E 7 2.9L
TIF X 10 22 59 39.5 41.43N 44.11E 8–1 2.9L
ISK X 10 22 59 40.0 41.41N 44.12E 5–0 1.6L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISK Event type ke.
ISC X 12 00 06 21.7–.84 42.54N–.01 43.40E–.02 7–6 124 0-17
DDA X 12 00 06 19.8 42.55N 43.44E 6 3.2L ¶602952557
TIF X 12 00 06 20.8 42.55N 43.47E 12–0 3.2L
NORS X 12 00 06 20.9–.00 42.51N 43.36E 1–0 3.8
MOS X 12 00 06 22.0–.83 42.56N 43.42E 8 4.1b
ISC Event type ke.
DDA Event type ke.
NORS Event type se.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=86.6.
ISC X 13 02 53 53.6–.89 42.50N–.02 43.58E–.03 12–7 45 0-2
DDA X 13 02 53 51.9 42.52N 43.55E 12 3.2L ¶602952559
TIF X 13 02 53 53.1 42.49N 43.61E 8–3 3.2L
NORS X 13 02 53 53.1–.00 42.57N 43.53E 16–0 3.3
ISC Event type ke.
DDA Event type ke.
NORS Event type se.
ISC X 15 22 18 48.6–1.0 42.62N–.04 44.43E–.03 16–7 36 0-2
MOS X 15 22 18 46.5–.00 42.59N 44.45E 16–0 2.9 ¶606583161
ISC Event type ke.
MOS Event type se.
ISC X 17 20 57 23.5–1.1 43.35N–.04 41.31E–.03 10–12 21 0-2
MOS X 17 20 57 22.8–.00 43.35N 41.34E 0–0 3.5 ¶606583166
ISC Event type ke.
MOS Event type se.
ISC X 17 21 15 18.7–1.4 43.34N–.05 41.36E–.05 5–21 13 0-2
MOS X 17 21 15 18.0–.00 43.32N 41.33E 1–0 3.4 ¶606583167
ISC Event type ke.
MOS Event type se.
ISC X 18 15 50 13.9–.97 43.48N–.02 44.26E–.02 19–2 52 0-2
MOS X 18 15 50 13.3–.00 43.44N 44.25E 14–0 3.5 ¶602952593
TIF X 18 15 50 14.3 43.48N 44.25E 23–3 3.5
ISC Event type ke.
MOS Event type se.
ISC X 18 20 26 24.5–1.2 41.09N–.04 44.09E–.04 11–10 18 0-2
DDA X 18 20 26 24.4 41.09N 44.07E 7 3.0L ¶602952597
TIF X 18 20 26 24.4 41.13N 44.13E 14–2 3.0L
ISC Event type ke.
DDA Event type ke.
ISC X 21 23 20 28.4–1.0 42.46N–.02 43.98E–.02 8–9 54 0-2
TIF X 21 23 20 27.7 42.47N 44.04E 12–2 ¶602952604
MOS X 21 23 20 28.6–.00 42.44N 43.97E 9–0 2.6
ISC Event type ke.
MOS Event type se.
ISC X 23 22 46 02.6–1.1 43.98N–.04 44.43E–.02 17–8 83 0-19
ISCJB X 23 22 46 00.6–.54 44.07N–.02 44.50E–.03 6–3 ¶605299982
MOS X 23 22 46 01.0–1.7 44.10N 44.48E 11 3.9b
MOS X 23 22 46 02.1–.00 43.93N 44.42E 15–0 3.5
ISC Event type ke.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=22.6.
MOS Error ellipse: s-maj=9.5km s-min=5.0km az=84.9.
MOS Event type se.
ISC X 23 22 59 37.7–.94 43.99N–.03 44.44E–.02 14–6 138 0-78
ISCJB X 23 22 59 35.5–.46 44.07N–.02 44.47E–.02 1–3 3.5b ¶602952611
MOS X 23 22 59 36.7–.00 43.94N 44.43E 8–0 4.2
MOS X 23 22 59 36.8–.98 44.04N 44.46E 14 4.2b
AZER X 23 22 59 37.0–3.0 44.19N 44.57E 10 3.1L
TIF X 23 22 59 38.1 43.91N 44.47E 19–4 3.1L
ISC Event type ke.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=30.4.
MOS Event type se.
MOS Error ellipse: s-maj=7.4km s-min=4.2km az=95.9.
AZER Error ellipse: s-maj=45.2km s-min=22.7km az=54.0.
ISC X 24 02 46 13.3–1.2 42.51N–.03 43.46E–.03 1–13 26 0-2
NORS X 24 02 46 12.9–.00 42.54N 43.45E 14–0 3.0 ¶602952615
TIF X 24 02 46 17.6 42.41N 43.80E 10–3 3.0
DDA X 24 02 47 04.0 42.69N 42.63E 16 2.6L
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
ISC X 24 09 16 29.7–1.4 44.56N–.07 37.20E–.04 9–10 29 0-57
MOS X 24 09 16 28.5–1.4 44.67N 37.22E 12 4.0b ¶603798966
SIGU X 24 09 16 28.7–.20 44.49N 37.22E 1–3 4.0b
ISCJB X 24 09 16 30.8–.70 44.60N–.08 37.28E–.04 25–7 3.2b
ISC Event type ke.
ISCJB Event type ke.
ISC X 24 13 32 24.0–1.2 42.53N–.04 43.45E–.05 4–27 16 0-2
NORS X 24 13 32 24.1–.00 43.15N 43.74E 5–0 ¶603002061
DDA X 24 13 32 25.1 42.43N 43.46E 3 2.8L
MOS X 24 13 32 26.2–.00 43.18N 43.74E 1–1 3.2
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
MOS Event type se.
ISC X 26 19 51 09.8–1.2 42.41N–.02 43.83E–.02 4–11 62 0-2
DDA X 26 19 51 09.3 42.41N 43.81E 6 2.8L ¶602952623
TIF X 26 19 51 09.6 42.38N 43.88E 5–1 2.8L
NORS X 26 19 51 09.6–.00 42.41N 43.89E 17–0 3.4
MOS X 26 19 51 10.6–.00 42.36N 43.84E 4–0 3.4
ISC Event type ke.
DDA Event type ke.
NORS Event type se.
MOS Event type se.
ISC X 28 20 04 07.2–1.6 42.52N–.07 44.48E–.03 10–10 25 0-2
MOS X 28 20 04 05.9–.00 42.58N 44.48E 14–0 2.9 ¶606583194
NORS X 28 20 04 06.2–.00 42.60N 44.44E 6–0 2.5
ISC Event type ke.
MOS Event type se.
NORS Event type se.
ISC X 29 00 13 02.5–2.0 42.4N–.20 43.0E–.20 19–4 12 0-2
DDA X 29 00 13 02.5 42.08N 43.39E 7 2.5L ¶603002255
ISC Event type ke.
DDA Event type ke.
ISC X 30 13 06 25.4–.92 42.93N–.03 44.57E–.03 14–7 30 0-2
MOS X 30 13 06 20.9–.00 42.73N 44.66E 22–0 3.2 ¶606583198
NORS X 30 13 06 21.1–.00 42.92N 44.68E 17–0 3.1
ISCJB X 30 13 06 26.2–.53 42.92N–.04 44.50E–.03 5–7 3.1
ISC Event type ke.
MOS Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XI 01 22 59 03.3–1.1 42.93N–.02 42.35E–.03 6–10 43 0-2
MOS XI 01 22 59 03.4–.00 42.93N 42.34E 7–0 3.3 ¶606583205
ISC Event type ke.
MOS Event type se.
ISC XI 03 15 44 02.1–1.2 42.71N–.04 44.42E–.03 5–10 24 0-2
NORS XI 03 15 44 00.0–.00 42.72N 44.47E 5–0 ¶606583213
MOS XI 03 15 44 00.8–.00 42.80N 44.41E 16–0 2.9
ISCJB XI 03 15 44 01.2–.56 42.72N–.04 44.41E–.03 10–10 2.9
ISC Event type ke.
NORS Event type se.
MOS Event type se.
ISCJB Event type ke.
ISC XI 05 15 11 58.6–1.2 42.38N–.03 43.74E–.05 9–11 20 0-2
NORS XI 05 15 11 58.5–.00 42.46N 43.72E 10–0 ¶606583219
MOS XI 05 15 11 59.0–.00 42.39N 43.69E 13–0 3.3
ISC Event type ke.
NORS Event type se.
MOS Event type se.
ISC XI 07 21 22 20.4–1.3 42.62N–.08 43.5E–.10 10 8 0-1
ISCJB XI 07 21 22 19.8–2.3 42.5N–.10 43.4E–.20 10 ¶606583224
NORS XI 07 21 22 20.3–.00 42.61N 43.48E 17–0 2.5
ISC Event type ke.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=14.0km az=20.9.
NORS Event type se.
ISC XI 08 12 48 13.4–1.2 42.51N–.03 43.49E–.03 3–11 32 0-2
NORS XI 08 12 48 13.0–.00 42.49N 43.56E 9–0 ¶602983467
MOS XI 08 12 48 14.5–.00 42.57N 43.48E 12–0 3.6
DDA XI 08 12 48 37.1 41.60N 42.12E 7 2.4L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
DDA Event type ke.
ISC XI 08 23 01 38.0–1.3 42.61N–.08 43.5E–.10 10 10 0-1
ISCJB XI 08 23 01 36.6–2.2 42.49N–.10 43.4E–.20 10 ¶606583231
NORS XI 08 23 01 37.8–.00 42.59N 43.46E 11–0 2.9
ISC Event type ke.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=12.7km az=32.7.
NORS Event type se.
ISC XI 09 03 00 07.6–.89 42.48N–.02 43.58E–.03 12–6 32 0-2
TIF XI 09 03 00 07.3 42.48N 43.59E 8–2 ¶602952657
NORS XI 09 03 00 07.0–.00 42.52N 43.59E 10–0
MOS XI 09 03 00 07.5–.00 42.46N 43.53E 11–0 3.1
ISC Event type ke.
NORS Event type se.

MOS Event type se.
IDC XI 10 13 48 16.6–999 44.10N 43.65E 0
¶602389153
IDC Error ellipse: s-maj=4450.0km s-min=232.0km az=53.0.
ISC XI 12 17 45 50.3–3.0 42.6N–.20 43.4E–.10 16–10 12 0-1
NORS XI 12 17 45 50.5–.00 42.58N 43.51E 11–0 3.0 **¶606583246**
ISC Event type se.
NORS Event type se.
ISC XI 15 01 36 39.1–.45 43.87N–.03 39.30E–.02 20–4 4.0b 273 1-63
MOS XI 15 01 36 36.8–.00 43.80N 39.25E 8–0 4.7 **¶601901493**
IDC XI 15 01 36 36.3–.51 43.84N 39.19E 0 3.8,3.8
ISCJB XI 15 01 36 38.5–.56 43.88N–.02 39.18E–.02 23–5 3.9b,3.5s
NEIC XI 15 01 36 40.1–1.7 43.99N 39.17E 24–15 4.0b,3.5s
DDA XI 15 01 37 07.0 41.79N 40.45E 10 3.1L,3.5s
ISC Event type fe.
MOS Event type se. FELT I=III-IV MSK at Lazarevskoe, III MSK at Tuapse, II-III MSK at Sochi.
IDC Error ellipse: s-maj=10.3km s-min=7.0km az=2.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=12.5.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=192.0. Felt at Sochi.
DDA Event type ke.
ISC XI 17 15 31 23.4–1.2 41.08N–.04 44.07E–.04 10–12 24 0-2
ISCJB XI 17 15 31 23.7–.74 41.05N–.03 44.07E–.05 7–5 **¶602952668**
DDA XI 17 15 31 23.4 41.06N 44.04E 7 2.7L
TIF XI 17 15 31 23.8 41.11N 44.06E 17–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=40.3.
DDA Event type ke.
ISC XI 19 01 16 50.1–1.9 42.5N–.10 43.50E–.06 18–6 14 0-1
NORS XI 19 01 16 51.6–.00 42.56N 43.49E 1–0 3.0 **¶606583273**
ISC Event type se.
NORS Event type se.
ISC XI 22 10 24 33.6–1.3 42.72N–.04 44.55E–.05 16–9 20 0-1
MOS XI 22 10 24 30.6–.00 42.59N 44.52E 18–0 2.9 **¶606583284**
ISC Event type se.
MOS Event type se.
ISC XI 22 13 21 40.2–.87 41.64N–.02 44.43E–.02 15–7 91 0-25
NORS XI 22 13 21 39.5–.00 41.63N 44.38E 2–0 **¶605299991**
MOS XI 22 13 21 40.0–.00 41.76N 44.51E 20–0 4.0
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC XI 23 21 48 18.9–.95 42.42N–.02 43.76E–.04 13–9 33 0-1
MOS XI 23 21 48 18.8–.00 42.41N 43.72E 15–0 2.7 **¶602953064**
TIF XI 23 21 48 18.4 42.45N 43.79E 6–4 2.7
NORS XI 23 21 48 19.1–.00 42.52N 43.79E 15–0 3.1
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISC XI 24 14 17 35.3–.77 43.40N–.03 44.21E–.03 56–5 78 0-75
MOS XI 24 14 17 32.7–.00 43.39N 44.21E 59–1 3.2 **¶605299992**
NORS XI 24 14 17 33.7–.00 43.37N 44.22E 61–1 3.8
ISCJB XI 24 14 17 34.1–.41 43.40N–.03 44.20E–.04 59–3 3.1b
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XI 25 15 17 24.8–1.6 42.5N–.10 43.68E–.09 15–16 10 0-2
NORS XI 25 15 17 24.9–.00 42.51N 43.67E 25–1 3.4 **¶606583292**
ISC Event type se.
NORS Event type se.
MOS XI 26 10 56 25.0–.00 44.40N 42.80E 13–0 3.2
NORS XI 26 10 56 23.7–.00 44.35N 42.62E 15–0 3.8 **¶606583294**
MOS Event type se.
NORS Event type se.
ISC XI 29 19 01 51.0–.98 42.76N–.03 44.42E–.03 6–8 29 0-2
NORS XI 29 19 01 47.0–.00 42.62N 44.44E 13–0 2.9 **¶606583304**
MOS XI 29 19 01 48.5–.00 42.69N 44.41E 14–0 2.8
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC XI 30 12 57 33.6–1.5 42.29N–.05 42.96E–.05 14–10 18 1-1
NORS XI 30 12 57 33.3–.00 42.35N 42.99E 7–0 3.0 **¶606583311**
MOS XI 30 12 57 33.1–.00 42.32N 42.95E 13–1 3.0
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC XII 03 01 18 30.3–2.1 42.66N–.07 44.86E–.09 23–13 18 0-2
MOS XII 03 01 18 31.1–.00 42.74N 44.75E 23–1 2.9 **¶606583317**
NORS XII 03 01 18 32.7–.00 42.77N 44.60E 2–0 2.9
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISC XII 03 14 58 50.9–.97 44.70N–.07 37.28E–.04 49–29 69 0-18
IDC XII 03 14 58 46.7–.91 44.68N 37.38E 0 3.4,3.3 **¶602390399**
ISCJB XII 03 14 58 49.6–.34 44.76N–.06 37.35E–.03 62–6 3.4,3.3
MOS XII 03 14 58 49.7–.00 44.54N 37.29E 28–0 4.0,3.3
SIGU XII 03 14 58 50.3–.20 44.52N 37.22E 14–5 3.0b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=9.5km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=3.1km az=8.4.
MOS Event type se.
ISC XII 04 02 02 56.7–1.1 42.69N–.04 44.41E–.04 14–9 17 0-1
NORS XII 04 02 02 52.2–.00 42.61N 44.45E 3–0 2.7 **¶606583324**
ISCJB XII 04 02 02 56.5–1.0 42.64N–.04 44.45E–.06 19–12 2.7
ISC Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XII 05 20 12 26.4–3.0 42.4N–.20 43.91E–.07 8 8 0-1
NORS XII 05 20 12 29.6–.00 42.55N 43.92E 40–0 2.6 **¶606583332**
ISC Event type se.
NORS Event type se.
ISC XII 10 16 56 56.1–.69 44.94N–.03 37.53E–.02 31–5 4.9b 637 0-94
PRU XII 10 16 56 50.2–.00 44.09N 36.97E 0 4.9 **¶602033986**
IDC XII 10 16 56 52.4–.37 44.88N 37.55E 0 4.9b,4.8
BJI XII 10 16 56 53.8 44.69N 37.64E 28 5.1b,5.1b
ISCJB XII 10 16 56 54.0–.47 44.95N–.01 37.48E–.01 25–4 5.7s,4.8b
NEIC XII 10 16 56 55.5–.64 44.98N 37.56E 23–5 4.9L,4.9b
SIGU XII 10 16 56 56.1–.50 44.96N 37.58E 24–4 4.6b,4.3W
MOS XII 10 16 56 56.4–.00 44.81N 37.53E 31–0 5.3,4.3W
NNC XII 10 16 56 59.0–1.7 45.06N 38.67E 0 4.8b,4.3W
DDA XII 10 16 57 42.6 44.96N 37.59E 16 4.9L,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=7.4km s-min=5.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=16.8.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=201.0. Felt [V] at Novorossiysk. Also felt at Anapa, Krasnodar, Krymsk and Tuapse.
MOS Event type se. FELT I=V MSK at Anapa, Anapskaya, Su-Pseh, Varvarovka, Pavlovka, Sukko, Gai-Kodzor, Rassvet;) IV-V MSK at Natukhaevskaya, Verkhne-Baranskaya,Novorossiysk; IV MSK at Voskresensk, Vityazevo; III-IV MSK at Gostagaevskaya, Krymsk, Krasnodar, Gelendjik; III MSK at Jurovka, Fadeevo, Tempuk; II-III MSK at Abinsk, Slavyansk-na-Kubani; II MSK at Korenovsk, Medvedskaya, Belorechensk, Djiginka, Mirchanka.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=20.0km az=104.0.
DDA Event type ke.
MOS XII 10 17 00 26.8–.00 44.84N 37.61E 15–7 3.5
¶606583350
MOS Event type se.
ISC XII 10 20 58 17.1–1.3 42.66N–.05 44.77E–.03 17–8 26 0-1
MOS XII 10 20 58 15.4–.00 42.66N 44.76E 18–0 2.9 **¶606583351**
NORS XII 10 20 58 16.9–.00 42.65N 44.75E 12–0 2.9
ISCJB XII 10 20 58 18.7–.70 42.70N–.04 44.75E–.04 24–10 2.9
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XII 12 14 58 43.8–1.0 42.73N–.03 44.50E–.04 15–8 19 0-1
NORS XII 12 14 58 41.1–.00 42.62N 44.44E 4–0 2.9 **¶606583357**
ISCJB XII 12 14 58 44.9–.58 42.67N–.03 44.41E–.04 10–7 2.9
ISC Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XII 12 22 26 42.7–1.1 44.53N–.03 41.70E–.02 1–10 86 0-21
MOS XII 12 22 26 42.8–.00 44.52N 41.74E 5–0 4.0 **¶605300000**
NORS XII 12 22 26 45.6–.00 44.25N 41.93E 1–0 4.0
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISC XII 13 04 17 28.0–1.1 42.81N–.05 44.08E–.04 16–8 20 0-1
ISCJB XII 13 04 17 28.4–.67 42.82N–.03 44.09E–.06 17–9 **¶606583359**
NORS XII 13 04 17 28.5–.00 42.91N 43.93E 6–0 3.2
MOS XII 13 04 17 28.4–.00 42.83N 44.02E 18–0 2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.2km az=155.1.
NORS Event type se.
MOS Event type se.
ISC XII 13 14 45 51.7–1.3 42.49N–.04 43.95E–.05 18–4 12 0-1
NORS XII 13 14 45 51.7–.00 42.49N 43.96E 18–0 3.0 **¶606583360**
ISC Event type se.
NORS Event type se.
ISC XII 14 12 28 02.9–2.3 42.5N–.20 43.97E–.08 32–10 8 0-0
NORS XII 14 12 28 03.8–.00 42.62N 43.99E 29–2 2.8 **¶606583365**
ISC Event type se.
NORS Event type se.
ISC XII 15 00 29 36.5–2.3 42.4N–.10 43.94E–.08 11–28 12 0-1
NORS XII 15 00 29 36.3–.00 42.46N 43.95E 13–0 2.7 **¶606583367**
ISC Event type se.
NORS Event type se.
ISC XII 15 05 51 32.4–1.0 44.45N–.02 42.48E–.02 10–8 3.6b 175 0-72
AZER XII 15 05 51 31.6–99 44.69N 42.74E 2–282 3.9L **¶602062422**
NORS XII 15 05 51 32.8–.00 44.36N 42.35E 7–0 5.2
MOS XII 15 05 51 33.7–.00 44.36N 42.46E 14–0 5.1
IDC XII 15 05 51 33.4–1.6 44.29N 42.37E 20–17 4.1L,3.7
TIF XII 15 05 51 33.3 44.37N 42.47E 7–1 4.1L,3.7
ISC Event type se.
AZER Error ellipse: s-maj=2154.0km s-min=37.3km az=318.0.
NORS Event type se.
MOS Event type se. FELT I=IV MSK at Uchkeken, Andropovskii area of Stavpopol kray, Prikubanian area of Kabardino-Balkariya; III MSK at Kislovodsk, Cherkessk).
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=10.0.
MOS XII 16 14 51 11.9–.00 44.38N 42.53E 9–0 3.4
NORS XII 16 14 51 12.7–.00 44.22N 42.56E 9–0 3.7 **¶606583373**
MOS Event type se.
NORS Event type se.
MOS XII 16 22 37 37.8–.00 43.42N 39.65E 7–0 2.8
¶605300001
MOS Event type se. FELT I=II MSK at Sochi.
ISC XII 18 02 10 53.2–1.8 42.60N–.10 43.49E–.08 8–12 10 0-1
NORS XII 18 02 10 51.7–.00 42.62N 43.52E 11–0 2.8 **¶606583384**
ISC Event type se.
NORS Event type se.
ISC XII 19 01 06 37.9–.97 42.64N–.04 44.47E–.05 8–9 19 0-1
NORS XII 19 01 06 34.3–.00 42.62N 44.45E 3–0 2.7 **¶606583389**
ISCJB XII 19 01 06 38.4–.60 42.64N–.03 44.42E–.06 9–7 2.7
ISC Event type se.
NORS Event type se.
ISCJB Event type se.
ISC XII 19 18 15 42.7–1.1 42.41N–.02 42.46E–.03 13–10 52 1-3
ISCJB XII 19 18 15 41.4–.54 42.43N–.03 42.41E–.03 1–6 **¶602329044**
ISK XII 19 18 15 41.7 42.40N 42.49E 11–0 3.1L
TIF XII 19 18 15 42.0 42.43N 42.44E 14–1 3.1L
DDA XII 19 18 15 43.4 42.35N 42.32E 7 3.0L
MOS XII 19 18 15 44.2–.00 42.50N 42.51E 14–0 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=158.7.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
MOS XII 19 21 15 47.5–.00 43.85N 39.28E 6–0 3.6
¶605300002
MOS Event type se. FELT I=III MSK at Lazarevskoe.
ISC XII 21 04 47 05.9–2.3 42.6N–.10 43.49E–.05 9–11 10 0-18
ISCJB XII 21 04 47 05.3–2.2 42.53N–.10 43.46E–.07 10–9 **¶606583394**
NORS XII 21 04 47 05.8–.00 42.66N 43.53E 20–0 2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.5km az=0.3.
NORS Event type se.
ISC XII 21 17 30 21.9–.89 42.52N–.03 43.48E–.04 11–6 28 0-2
NORS XII 21 17 30 20.6–.00 42.55N 43.47E 19–0 3.2 **¶602954006**
TIF XII 21 17 30 21.9 42.53N 43.51E 8–0 3.2
ISC Event type se.
NORS Event type se.
ISC XII 21 17 44 05.1–.89 42.54N–.03 43.48E–.04 13–6 29 0-2
NORS XII 21 17 44 03.8–.00 42.53N 43.46E 16–0 3.3 **¶602954007**
ISCJB XII 21 17 44 05.8–.54 42.52N–.04 43.45E–.04 3–8 3.3
TIF XII 21 17 44 05.3 42.52N 43.45E 10–0 3.3
ISC Event type se.
NORS Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=12.5.
ISC XII 22 08 32 54.4–1.0 42.59N–.05 43.87E–.05 30–8 12 0-2
TIF XII 22 08 32 53.6 42.52N 43.96E 20–4 **¶602954010**
NORS XII 22 08 32 54.1–.00 42.61N 43.97E 28–0 3.1
ISC Event type se.
NORS Event type se.
ISC XII 23 13 31 40.3–.48 42.44N–.02 41.06E–.02 13–2 5.6s,5.5b 1949 1-160
BJI XII 23 13 31 37.9 42.40N 41.10E 10 6.1s,5.7 **¶602057923**
TIF XII 23 13 31 38.8 42.39N 40.91E 26–2 6.1s,5.7
IDC XII 23 13 31 38.2–.33 42.41N 41.04E 0 5.4,5.4s
MOS XII 23 13 31 38.2–.00 42.41N 41.02E 0–0 6.6,5.4s
ISK XII 23 13 31 39.6 42.32N 40.94E 9–0 5.5L,5.4s
NEIC XII 23 13 31 39.0–.00 42.52N 41.20E 11 5.5L,5.4s
DDA XII 23 13 31 39.7 42.24N 40.90E 13 5.5L,5.4s
ISCJB XII 23 13 31 39.3–.06 42.437N–.01 40.982E–.01 13 5.6s,5.4b
NEIC XII 23 13 31 40.8–.86 42.42N 41.08E 15–5 6.0L,5.7W
GCMT XII 23 13 31 40.9–.10 42.46N–.01 41.02E–.01 16–0 5.8W,5.7W
GII XII 23 13 31 42.7–.00 42.48N 41.06E 10 5.8W,5.7W
ISC Event type fe.
IDC Error ellipse: s-maj=8.1km s-min=6.1km az=159.0.
MOS Event type se. FELT I=V-VI MSK at Sochi, Adler, Dagomys, Khosta; V MSK at Tbilisi, Batumi; VI MSK at Gori, Ozurgeti; III MSK at Cherkessk, Karachaevsk, Zelenchukskaya.
ISK Event type ke.
NEIC Event type se. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63 $M_{\theta\theta}$2.12 $M_{\phi\phi}$-3.75 $M_{r\theta}$2.62 $M_{\theta\phi}$1.72 $M_{\phi r}$0.47 Best double couple: NP1:ϕ_s127.00000° ,δ65.00000°,λ33.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ151.00000°. Principal axes: T 4.8100,Plg39.0000°,Azm346.0000°; N -0.5800,Plg49.0000°,Azm160.0000° ; P -4.2300,Plg2.0000°,Azm253.0000° M_o4.50000×10^{17}
DDA Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=12.7.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=185.0. Felt [V] at Bat'umi and [III] at Tbilisi. Also felt at Ganarjiis Mukhuri, Gori, K'ut'aisi, Ozurget'i, Sokhumi and Varcha. Felt [IV] at Sochi, Russia. Also felt at Krasnodar. Felt at Trabzon, Turkey. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$2.78 $M_{\phi\phi}$-2.86 $M_{r\theta}$0.64 $M_{\theta\phi}$1.69 $M_{\phi r}$0.25 Best double couple: NP1:ϕ_s120.00000°,δ81.00000°,λ7.00000°. NP2:ϕ_s29.00000° ,δ83.00000°,λ171.00000°. Principal axes: T 3.3800,Plg12.0000°,Azm344.0000°

; N -0.0500,Plg78.0000°,Azm171.0000°; P -3.3300,Plg1.0000°,Azm75.0000°
M_o3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c205; s126,c376; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.05 $M_{\theta\theta}$5.31±.05; $M_{\phi\phi}$-4.87±.05; $M_{r\theta}$-1.34±.15; $M_{\theta\phi}$1.88±.04; $M_{\phi r}$0.45±.14; Best double couple: NP1:ϕ_s305.00000°,δ88.00000°,λ14.00000°. NP2:ϕ_s214.00000°,δ76.00000°,λ178.00000°. Principal axes: T 5.8900,Plg11.0000°,Azm171.0000°; N -0.5940,Plg76.0000°,Azm313.0000°; P -5.3040,Plg8.0000°,Azm79.0000° M_o5.59700×10^{17}
GII Event type ke.
ISC XII 23 13 33 43.3–1.4 42.47N–.04 41.05E–.05 3–13 16 1-2
MOS XII 23 13 33 45.4–.00 42.57N 41.10E 7–0 5.1 **¶606583396**
ISC Event type se.
MOS Event type se.
ISC XII 23 13 34 39.2–1.3 42.44N–.05 41.07E–.07 10–13 12 1-2
MOS XII 23 13 34 40.2–.00 42.50N 41.12E 9–0 4.4 **¶607215290**
ISC Event type se.
MOS Event type se.
ISC XII 23 13 35 58.2–1.5 42.43N–.04 41.09E–.04 7–15 26 1-2
TIF XII 23 13 35 57.8 42.38N 40.91E 20–2 **¶602954012**
MOS XII 23 13 35 59.7–.00 42.53N 41.11E 6–0 4.3
ISC Event type se.
MOS Event type se.
ISC XII 23 13 42 50.2–1.4 42.38N–.05 41.03E–.06 11–16 28 1-2
TIF XII 23 13 42 50.2 42.37N 40.91E 22–2 **¶602954013**
DDA XII 23 13 42 51.9 41.92N 40.49E 7 3.3L
MOS XII 23 13 42 52.7–.00 42.50N 41.17E 9–0 3.7
ISC Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 23 13 43 57.0–2.3 42.41N–.05 41.09E–.08 16–16 10 1-2
ISCJB XII 23 13 43 57.7–1.1 42.41N–.04 41.1E–.10 18–12 **¶607215291**
MOS XII 23 13 43 57.5–.00 42.44N 41.15E 21–0 3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.8km az=167.0.
MOS Event type se.
MOS XII 23 13 44 32.7–.00 42.48N 41.11E 21–0 3.6
¶606583397
MOS Event type se.
ISC XII 23 13 50 41.7–1.2 42.39N–.02 41.01E–.03 8–9 80 1-63
TIF XII 23 13 50 40.6 42.40N 40.85E 22–2 **¶602329198**
ISK XII 23 13 50 41.3 42.34N 40.90E 10–0 3.2L
MOS XII 23 13 50 42.8–.00 42.50N 41.07E 5–0 4.0
NORS XII 23 13 50 43.7–.00 42.54N 41.10E 2–0 4.0
DDA XII 23 13 50 44.1 42.23N 41.15E 9 3.2L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
DDA Event type ke.
ISC XII 23 13 56 07.8–1.4 42.42N–.04 41.05E–.07 8–13 12 1-2
MOS XII 23 13 56 08.5–.00 42.47N 41.17E 9–0 3.5 **¶602954015**
TIF XII 23 13 56 08.0 42.28N 40.89E 22–3 3.5
ISC Event type se.
MOS Event type se.
ISC XII 23 13 56 43.7–1.9 42.45N–.04 41.02E–.04 4–15 27 1-3
TIF XII 23 13 56 43.8 42.38N 40.97E 22–2 **¶602954018**
MOS XII 23 13 56 45.9–.00 42.56N 41.09E 7–0 3.7
ISC Event type se.
MOS Event type se.
ISC XII 23 14 01 01.1–1.3 42.41N–.03 41.01E–.07 14–10 22 1-2
ISCJB XII 23 14 00 60.0–1.9 42.43N–.09 41.04E–.09 5–27 **¶602984854**
MOS XII 23 14 01 02.4–.00 42.50N 41.05E 5–0 3.5
DDA XII 23 14 01 03.5 42.14N 40.94E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=10.1km az=16.1.
MOS Event type se.
DDA Event type ke.
ISC XII 23 14 05 21.5–1.5 42.45N–.05 41.09E–.07 35 12 1-2
MOS XII 23 14 05 19.1–.00 42.43N 41.34E 21–3 3.2 **¶606583398**
ISCJB XII 23 14 05 21.3–1.0 42.46N–.04 41.2E–.10 33 3.2
ISC Event type se.
MOS Event type se.
ISCJB Event type se.
ISC XII 23 14 08 35.9–1.7 42.47N–.05 41.13E–.08 21–5 10 1-2
MOS XII 23 14 08 35.3–.00 42.46N 41.13E 28–0 3.4 **¶606583399**
ISC Event type se.
MOS Event type se.
ISC XII 23 14 26 31.8–1.5 42.46N–.08 41.09E–.10 2–21 10 1-2
MOS XII 23 14 26 32.6–.00 42.49N 41.12E 6–0 3.5 **¶606583400**
ISC Event type se.
MOS Event type se.
ISC XII 23 14 37 58.1–1.7 42.37N–.03 41.10E–.07 5–13 22 1-2
MOS XII 23 14 38 00.5–.00 42.50N 41.18E 8–0 3.0 **¶602984855**
DDA XII 23 14 38 01.1 42.14N 40.96E 7 3.0L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 23 14 53 45.6–1.7 42.40N–.03 41.11E–.06 13–13 24 1-2
ISCJB XII 23 14 53 43.5–.80 42.41N–.03 40.97E–.06 3–10 **¶602984856**
MOS XII 23 14 53 46.4–.00 42.50N 41.14E 9–0 3.4
DDA XII 23 14 53 47.1 42.13N 40.91E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=170.4.
MOS Event type se.
DDA Event type ke.
ISC XII 23 14 58 30.9–1.2 42.40N–.03 41.10E–.06 27–15 22 1-2
ISCJB XII 23 14 58 31.0–1.1 42.37N–.03 41.02E–.09 26–8 **¶606583402**
MOS XII 23 14 58 31.1–.00 42.49N 41.17E 10–0 2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=4.3km az=175.6.
MOS Event type se.
ISC XII 23 15 06 25.7–2.5 42.39N–.04 41.08E–.07 11–18 22 1-2
TIF XII 23 15 06 26.4 42.40N 41.10E 14–3 **¶602954022**
MOS XII 23 15 06 27.2–.00 42.50N 41.14E 6–0 3.3
ISC Event type se.
MOS Event type se.
ISC XII 23 15 11 00.0–1.4 42.46N–.05 41.02E–.09 9–15 10 1-2
MOS XII 23 15 11 00.7–.00 42.50N 41.12E 6–0 4.0 **¶606583403**
ISC Event type se.
MOS Event type se.
ISC XII 23 15 13 04.1–1.2 42.38N–.02 41.00E–.05 4–11 42 1-2
TIF XII 23 15 13 03.3 42.44N 40.94E 12–3 **¶602954023**
DDA XII 23 15 13 05.8 42.20N 40.90E 7 3.3L
MOS XII 23 15 13 06.5–.00 42.52N 41.08E 6–0 3.8
ISC Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 23 15 15 21.3–1.2 42.35N–.02 41.09E–.03 4–11 54 1-3
TIF XII 23 15 15 22.2 42.35N 40.91E 19–2 **¶602329202**
ISK XII 23 15 15 22.8 42.30N 40.96E 11–0 3.3L
MOS XII 23 15 15 23.7–.00 42.48N 41.13E 5–0 4.0
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
ISC XII 23 15 20 33.6–2.2 42.43N–.05 41.11E–.08 7–16 12 1-2
MOS XII 23 15 20 34.4–.00 42.46N 41.17E 10–0 4.0 **¶606583404**
ISC Event type se.
MOS Event type se.
ISC XII 23 15 25 25.9–1.3 42.40N–.03 41.05E–.04 10–11 38 1-2
TIF XII 23 15 25 26.1 42.38N 41.04E 16–6 **¶602954024**
MOS XII 23 15 25 27.2–.00 42.48N 41.12E 2–0 3.6
ISC Event type se.
MOS Event type se.
ISC XII 23 15 26 36.4–1.5 42.47N–.05 41.09E–.06 3–14 12 1-2
MOS XII 23 15 26 37.3–.00 42.50N 41.12E 7–0 3.6 **¶606583405**
ISC Event type se.
MOS Event type se.
ISC XII 23 15 27 44.5–1.5 42.45N–.05 41.07E–.07 6–15 12 1-2
MOS XII 23 15 27 44.9–.00 42.50N 41.10E 5–0 3.5 **¶606583406**
ISC Event type se.
MOS Event type se.
ISC XII 23 15 31 00.8–1.3 42.42N–.03 41.07E–.06 11–10 24 1-2
MOS XII 23 15 31 01.7–.00 42.48N 41.14E 7–0 3.3 **¶602984857**
DDA XII 23 15 31 03.5 42.15N 40.95E 7 2.7L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 23 15 45 05.4–1.4 42.39N–.03 41.03E–.05 6–11 24 1-2
TIF XII 23 15 45 06.6 42.41N 40.97E 22–4 **¶602954025**
DDA XII 23 15 45 08.4 42.18N 40.91E 7 2.8L
MOS XII 23 15 45 08.5–.00 42.50N 41.15E 9–0 3.5
ISC Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 23 15 51 39.2–2.3 42.45N–.04 41.2E–.10 8–17 12 1-2
MOS XII 23 15 51 39.8–.00 42.50N 41.20E 5–1 3.4 **¶606583408**
ISC Event type se.
MOS Event type se.
ISC XII 23 15 54 09.4–1.3 42.39N–.03 41.07E–.05 10–11 26 1-2
ISCJB XII 23 15 54 11.0–.76 42.38N–.02 41.00E–.08 16–7 **¶602954026**
TIF XII 23 15 54 11.3 42.35N 41.02E 29–5
MOS XII 23 15 54 11.2–.00 42.50N 41.12E 7–0 3.2
DDA XII 23 15 54 12.4 42.17N 41.00E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=3.9km az=174.2.
MOS Event type se.
DDA Event type ke.
MOS XII 23 15 56 54.8–.00 42.67N 41.32E 5–5 3.2
¶606583409
MOS Event type se.
ISC XII 23 16 10 43.2–1.2 42.38N–.02 41.00E–.05 4–11 28 1-2
ISCJB XII 23 16 10 42.7–.73 42.40N–.03 40.92E–.06 2–7 **¶602329210**
ISK XII 23 16 10 44.5 42.30N 40.85E 5–0 2.4L
MOS XII 23 16 10 45.8–.00 42.50N 41.12E 8–0 3.7
DDA XII 23 16 10 46.7 42.19N 41.01E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=173.7.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 23 16 15 54.1–1.5 42.40N–.03 41.04E–.05 19–4 27 1-2
ISK XII 23 16 15 53.7 42.27N 40.87E 7–0 2.7L **¶602329211**
ISCJB XII 23 16 15 54.5–.72 42.37N–.02 40.99E–.07 19–7 2.7L
DDA XII 23 16 15 55.8 42.20N 41.04E 7 3.1L
MOS XII 23 16 15 55.5–.00 42.48N 41.14E 18–0 4.0
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.8km az=173.6.
DDA Event type ke.
MOS Event type se.
ISC XII 23 16 49 44.8–1.4 42.40N–.03 41.01E–.05 23–16 23 1-2
ISK XII 23 16 49 43.9 42.25N 40.81E 4–0 2.5L **¶602329214**
ISCJB XII 23 16 49 44.6–.79 42.38N–.03 40.91E–.08 22–7 2.5L
DDA XII 23 16 49 45.9 42.15N 40.91E 7 3.1L
MOS XII 23 16 49 45.6–.00 42.45N 41.20E 19–0 3.9
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.5km az=172.6.
DDA Event type ke.
MOS Event type se.
ISC XII 23 16 59 50.7–1.3 42.40N–.03 41.06E–.05 11–11 21 1-2
MOS XII 23 16 59 52.6–.00 42.50N 41.12E 5–0 3.4 **¶602984860**
DDA XII 23 16 59 54.0 42.09N 40.85E 7 2.8L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 23 17 11 28.0–1.4 42.37N–.03 41.06E–.07 11–10 20 1-2
MOS XII 23 17 11 29.0–.00 42.50N 41.15E 6–0 3.4 **¶606583411**
ISC Event type se.
MOS Event type se.
MOS XII 23 17 31 56.6–.00 42.58N 41.03E 30–1 3.3
¶607215292
MOS Event type se.
ISC XII 23 17 32 39.1–1.2 42.39N–.03 41.01E–.04 12–11 38 1-3
ISCJB XII 23 17 32 38.2–.63 42.42N–.03 41.11E–.04 4–7 **¶602329217**
ISK XII 23 17 32 40.2 42.22N 40.83E 4–0 2.7L
DDA XII 23 17 32 41.0 42.14N 40.87E 6 3.2L
MOS XII 23 17 32 41.1–.00 42.51N 41.13E 4–0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=163.6.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 23 17 41 55.0–1.8 42.39N–.05 41.13E–.09 8–13 10 1-2
MOS XII 23 17 41 55.5–.00 42.40N 41.13E 20–1 3.2 **¶606583413**
ISC Event type se.
MOS Event type se.
ISC XII 23 17 47 31.3–1.3 42.40N–.02 41.04E–.04 7–10 40 1-2
MOS XII 23 17 47 33.1–.00 42.50N 41.12E 3–0 3.4 **¶606583414**
ISC Event type se.
MOS Event type se.
ISC XII 23 18 00 09.2–1.4 42.40N–.03 41.03E–.05 9–11 35 1-2
ISK XII 23 18 00 08.6 42.40N 41.00E 11–0 2.7L **¶602329218**
DDA XII 23 18 00 10.9 42.16N 40.86E 7 3.3L
MOS XII 23 18 00 11.2–.00 42.48N 41.14E 4–0 3.5
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 23 18 07 57.0–2.0 42.5N–.10 41.06E–.08 2–27 12 1-2
MOS XII 23 18 07 58.0–.00 42.50N 41.06E 10 3.4 **¶606583415**
ISC Event type se.
MOS Event type se.
ISC XII 23 18 47 59.2–1.6 42.43N–.06 41.11E–.08 3–14 10 1-2
MOS XII 23 18 47 59.9–.00 42.44N 41.14E 11–2 3.2 **¶606583417**
ISC Event type se.
MOS Event type se.
ISC XII 23 19 12 45.9–1.2 42.38N–.02 41.04E–.03 2–12 40 1-2
TIF XII 23 19 12 47.3 42.37N 40.89E 25–2 **¶602329221**
ISK XII 23 19 12 47.4 42.35N 41.01E 18–0 2.8L
MOS XII 23 19 12 48.9–.00 42.53N 41.11E 5–0 3.3
DDA XII 23 19 12 48.6 42.19N 40.92E 7 3.1L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 23 19 52 24.9–1.2 42.43N–.03 41.10E–.06 28–14 20 1-3
ISCJB XII 23 19 52 24.7–1.1 42.40N–.03 41.03E–.09 27–9 **¶606583418**
MOS XII 23 19 52 24.8–.00 42.50N 41.17E 10–0 3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.4km az=177.3.

MOS Event type se.
ISC XII 23 20 24 08.1–1.5 42.50N–.04 41.14E–.07 0–17 10 1-2
MOS XII 23 20 24 09.3–.00 42.50N 41.17E 9–0 3.2 ¶606583419
ISC Event type se.
MOS Event type se.
ISC XII 23 20 27 04.0–1.5 42.44N–.05 41.14E–.07 14–14 13 1-14
MOS XII 23 20 27 04.3–.00 42.48N 41.16E 10–0 3.4 ¶606583420
ISC Event type se.
MOS Event type se.
ISC XII 23 20 34 57.9–1.5 42.38N–.03 41.03E–.05 8–12 35 1-2
ISCJB XII 23 20 34 56.8–.65 42.40N–.02 40.91E–.05 3–6 ¶602329227
ISK XII 23 20 34 57.0 42.37N 40.90E 15–0 2.5L
DDA XII 23 20 35 00.9 42.12N 40.84E 7 2.9L
MOS XII 23 20 35 02.1–.00 42.55N 41.11E 5–0 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=177.9.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 23 21 05 27.5–1.5 42.46N–.04 41.14E–.09 9–13 10 1-2
MOS XII 23 21 05 27.4–.00 42.50N 41.16E 10–0 3.2 ¶606583422
ISC Event type se.
MOS Event type se.
ISC XII 23 21 12 22.4–1.8 42.42N–.05 41.15E–.08 6–16 12 1-2
MOS XII 23 21 12 22.1–.00 42.47N 41.16E 5–0 3.3 ¶606583423
ISC Event type se.
MOS Event type se.
ISC XII 23 21 19 30.7–1.4 42.37N–.03 41.01E–.09 11–12 15 1-2
ISCJB XII 23 21 19 30.0–2.2 42.4N–.10 41.03E–.08 7–32 ¶606583424
MOS XII 23 21 19 32.9–.00 42.50N 41.13E 6–0 3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=9.6km az=16.3.
MOS Event type se.
ISC XII 23 21 33 09.8–1.3 42.34N–.03 41.08E–.07 17–14 18 1-2
ISCJB XII 23 21 33 08.8–1.8 42.42N–.09 41.06E–.08 12–24 ¶602984864
DDA XII 23 21 33 11.2 42.16N 40.96E 7 2.8L
MOS XII 23 21 33 12.1–.00 42.50N 41.18E 11–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=9.3km az=21.6.
DDA Event type ke.
MOS Event type se.
ISC XII 23 21 35 54.8–1.3 42.36N–.05 41.18E–.09 27–19 16 1-2
ISCJB XII 23 21 35 55.1–.86 42.38N–.03 41.2E–.10 20–8 ¶602984865
MOS XII 23 21 35 55.1–.00 42.50N 41.19E 9–0 3.3
DDA XII 23 21 35 55.7 42.18N 41.05E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=4.2km az=172.7.
MOS Event type se.
DDA Event type ke.
ISC XII 23 22 05 13.7–.65 42.36N–.02 41.08E–.02 10 94 1-63
TIF XII 23 22 05 12.4 42.42N 41.01E 24–3 ¶602329229
ISK XII 23 22 05 12.9 42.37N 41.01E 11–0 3.4L
ISCJB XII 23 22 05 13.6–.29 42.36N–.02 40.89E–.03 10 3.7b
MOS XII 23 22 05 14.4–.00 42.47N 41.11E 4–0 4.0
DDA XII 23 22 05 14.3 42.26N 41.06E 7 3.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=175.3.
MOS Event type se.
DDA Event type ke.
ISC XII 24 00 51 36.3–1.4 42.38N–.03 41.08E–.05 6–11 28 1-2
ISK XII 24 00 51 35.7 42.38N 41.04E 6–0 2.6L ¶602329241
MOS XII 24 00 51 38.1–.00 42.53N 41.07E 5–0 2.9
DDA XII 24 00 51 38.8 42.18N 41.00E 7 2.6L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 24 02 11 00.8–1.2 42.38N–.02 41.01E–.04 11–11 38 1-2
ISK XII 24 02 10 58.1 42.39N 40.95E 5–0 2.6L ¶602329242
DDA XII 24 02 11 02.3 42.08N 40.66E 7 2.7L
MOS XII 24 02 11 03.1–.00 42.49N 41.09E 9–0 3.3
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 24 04 33 53.2–1.4 42.36N–.03 41.04E–.08 4–12 16 1-2
MOS XII 24 04 33 55.7–.00 42.48N 41.14E 5–0 2.7 ¶602984880
DDA XII 24 04 33 55.3 42.20N 40.91E 7 2.4L
ISCJB XII 24 04 33 56.2–1.1 42.37N–.03 41.2E–.20 17–12 2.4L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISCJB Event type ke.
ISC XII 24 06 32 59.3–2.5 42.38N–.03 41.03E–.06 5–21 19 1-2
MOS XII 24 06 33 01.9–.00 42.53N 41.13E 6–0 2.8 ¶602984884
DDA XII 24 06 33 03.2 42.25N 41.28E 7 2.5L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 24 07 49 56.4–1.2 42.40N–.02 41.07E–.04 5–11 30 1-2
ISK XII 24 07 49 54.7 42.41N 40.91E 5–0 2.5L ¶602329253
DDA XII 24 07 49 59.3 42.26N 41.17E 7 3.0L
MOS XII 24 07 49 59.5–.00 42.57N 41.12E 6–0 3.2
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 24 10 15 48.6–1.5 42.38N–.04 41.04E–.05 5–14 16 1-2
MOS XII 24 10 15 50.9–.00 42.49N 41.16E 6–0 2.9 ¶602984891
DDA XII 24 10 15 51.9 42.13N 40.87E 7 2.4L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 24 12 25 15.3–.61 42.36N–.02 41.04E–.02 10 3.6b 98 1-33
ISCJB XII 24 12 25 14.8–.26 42.39N–.02 40.96E–.03 10 3.5b ¶602329262
ISK XII 24 12 25 14.8 42.36N 41.07E 15–0 3.6L
DDA XII 24 12 25 15.5 42.25N 41.00E 8 3.6L
TIF XII 24 12 25 15.0 42.36N 41.07E 19–3 3.6L
MOS XII 24 12 25 16.3–.00 42.50N 41.09E 4–0 4.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=158.3.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 24 13 14 40.7–2.8 42.5N–.10 41.12E–.08 20–9 10 1-2
MOS XII 24 13 14 38.2–.00 42.50N 41.03E 5–0 3.7 ¶606583435
ISC Event type se.
MOS Event type se.
ISC XII 24 13 30 50.4–1.3 42.38N–.03 41.03E–.04 8–12 30 1-2
MOS XII 24 13 30 51.5–.00 42.48N 41.08E 3–0 3.4 ¶602984901
DDA XII 24 13 30 52.0 42.20N 40.87E 7 3.1L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 24 17 10 09.5–1.1 42.39N–.02 41.11E–.03 12–10 50 1-2
ISK XII 24 17 10 09.6 42.38N 41.12E 8–0 2.9L ¶602329269
DDA XII 24 17 10 10.9 42.28N 41.04E 7 3.6L
MOS XII 24 17 10 11.6–.00 42.49N 41.11E 5–0 3.8
TIF XII 24 17 10 11.1 42.35N 41.00E 22–1 3.8
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 24 21 45 56.1–1.5 42.36N–.03 41.10E–.07 6–13 18 1-2
MOS XII 24 21 45 58.1–.00 42.50N 41.12E 10–0 3.3 ¶602984909
DDA XII 24 21 45 59.0 42.23N 41.13E 6 2.5L
ISC Event type ke.
MOS Event type se.
DDA Event type ke.
MOS XII 24 22 03 09.8–.00 42.48N 41.11E 10–0 3.5
¶606583437
MOS Event type se.
MOS XII 24 22 10 40.7–.00 42.47N 41.12E 10–0 3.6
¶606583439
MOS Event type se.
MOS XII 24 22 14 29.0–.00 42.56N 41.10E 10–0 3.6
¶606583440
MOS Event type se.
ISC XII 24 22 41 01.6–3.4 42.5N–.10 41.07E–.09 3–15 10 1-2
MOS XII 24 22 41 01.5–.00 42.50N 41.10E 10–0 3.2 ¶606583441
ISC Event type se.
MOS Event type se.
ISC XII 24 23 37 13.7–1.3 42.43N–.05 41.3E–.10 35 10 1-2
MOS XII 24 23 37 11.5–.00 42.49N 41.09E 10–3 3.2 ¶606583442
ISCJB XII 24 23 37 13.8–.78 42.44N–.04 41.3E–.20 33 3.2
ISC Event type se.
MOS Event type se.
ISCJB Event type se.
ISC XII 25 00 27 34.0–1.3 42.34N–.02 41.11E–.04 6–11 47 1-3
ISK XII 25 00 27 34.1 42.33N 40.99E 11–0 2.6L ¶602329281
DDA XII 25 00 27 36.4 42.22N 41.11E 7 3.3L
MOS XII 25 00 27 37.6–.00 42.56N 41.13E 9–0 3.2
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 25 01 16 36.4–1.0 42.49N–.01 43.44E–.02 3–8 118 0-25
ISK XII 25 01 16 34.8 42.56N 43.58E 7–0 3.0L ¶602329283
NORS XII 25 01 16 35.6–.00 42.55N 43.41E 8–0 3.7
TIF XII 25 01 16 35.5 42.49N 43.45E 10–1 3.7
DDA XII 25 01 16 37.0 42.41N 43.41E 4 3.5L
MOS XII 25 01 16 37.8–1.8 42.53N 43.45E 11 3.9b
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
DDA Event type ke.
MOS Error ellipse: s-maj=7.2km s-min=4.5km az=80.4.
ISC XII 25 02 34 59.2–1.1 42.50N–.03 43.59E–.04 9–8 28 0-2
NORS XII 25 02 34 58.7–.00 42.46N 43.44E 13–0 2.9 ¶602984916
DDA XII 25 02 35 01.6 42.01N 43.82E 7 2.3L
ISC Event type ke.
NORS Event type se.
DDA Event type ke.
ISC XII 25 04 33 55.4–1.2 42.36N–.02 41.03E–.02 1–9 3.6b 210 1-39
IDC XII 25 04 33 55.7–1.2 42.31N 41.09E 0 3.6L,3.4 ¶602329287
ISK XII 25 04 33 56.6 42.41N 40.95E 5–0 3.8L,3.4
AZER XII 25 04 33 57.5–.06 41.83N 40.43E 2 3.6L,3.4
DDA XII 25 04 33 57.7 42.29N 40.94E 18 3.7L,3.4
TIF XII 25 04 33 58.2 42.37N 40.93E 31–2 3.7L,3.4
MOS XII 25 04 33 58.0–.00 42.50N 40.98E 3–0 4.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=7.1km az=146.0.
ISK Event type ke.
AZER Error ellipse: s-maj=35.5km s-min=7.1km az=9.0.
DDA Event type ke.
MOS Event type se.
ISC XII 25 05 30 58.6–1.3 42.39N–.03 41.13E–.04 12–12 24 1-2
DDA XII 25 05 31 00.3 42.26N 41.21E 8 2.3L ¶602984920
MOS XII 25 05 31 02.3–.00 42.57N 41.14E 10–0 3.3
ISC Event type ke.
DDA Event type ke.
MOS Event type se.
NORS XII 25 09 17 54.8–.00 43.26N 43.52E 24–0 3.5
¶606583449
NORS Event type se.
ISC XII 25 15 06 57.7–1.6 42.44N–.04 41.13E–.06 3–14 14 1-2
MOS XII 25 15 06 57.5–.00 42.48N 41.10E 5–0 3.5 ¶606583451
ISC Event type se.
MOS Event type se.
ISC XII 25 19 38 54.6–4.1 42.36N–.10 41.1E–.20 9–18 15 1-2
DDA XII 25 19 38 55.9 42.26N 41.20E 7 2.8L ¶602954033
TIF XII 25 19 38 55.0 42.38N 41.10E 18–7 2.8L
ISC Event type ke.
DDA Event type ke.
ISC XII 25 23 02 35.8–1.3 42.40N–.02 41.00E–.04 11–10 37 1-2
ISK XII 25 23 02 36.5 42.36N 41.04E 18–0 3.1L ¶602329333
MOS XII 25 23 02 37.6–.00 42.52N 41.07E 3–0 3.7
TIF XII 25 23 02 37.0 42.35N 40.96E 29–4 3.7
ISCJB XII 25 23 02 38.0–1.0 42.36N–.02 40.93E–.06 26–8 3.7
DDA XII 25 23 02 38.5 42.22N 41.05E 7 3.3L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.6km az=178.9.
DDA Event type ke.
ISC XII 25 23 03 32.7–1.2 42.42N–.02 41.04E–.02 1–11 98 1-5
AZER XII 25 23 03 32.4–2.7 42.13N 40.21E 10 3.3L ¶602984943
TIF XII 25 23 03 33.6 42.39N 41.02E 12–2 3.3L
ISK XII 25 23 03 34.4 42.43N 41.26E 5–0 3.3L
MOS XII 25 23 03 35.5–.00 42.54N 41.04E 5–0 4.1
DDA XII 25 23 03 36.0 42.19N 41.03E 6 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=41.4km s-min=17.4km az=12.0.
ISK Event type ke.
MOS Event type se.
DDA Event type ke.
ISC XII 25 23 35 32.7–1.2 42.41N–.02 41.06E–.03 1–10 80 1-25
MOS XII 25 23 35 34.9–.00 42.59N 41.00E 7–0 4.0 ¶602329341
TIF XII 25 23 35 34.0 42.39N 41.12E 18–5 4.0
ISK XII 25 23 35 34.8 42.36N 41.30E 7–0 3.1L
DDA XII 25 23 35 43.9 41.65N 41.16E 22 3.0L
ISC Event type ke.
MOS Event type se.
ISK Event type ke.
DDA Event type ke.
ISC XII 25 23 45 52.0–1.3 42.38N–.02 41.00E–.04 4–11 37 1-2
ISK XII 25 23 45 52.8 42.34N 41.01E 12–0 2.6L ¶602329342
DDA XII 25 23 45 55.4 42.22N 41.08E 7 2.8L
MOS XII 25 23 45 55.1–.00 42.57N 41.03E 8–0 3.2
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 26 00 02 01.6–2.0 42.41N–.03 41.07E–.08 10–14 22 1-2
DDA XII 26 00 02 01.6 42.26N 40.81E 7 2.4L ¶602954070
TIF XII 26 00 02 02.4 42.41N 41.06E 18–4 2.4L
MOS XII 26 00 02 04.0–.00 42.54N 41.14E 6–0 2.7
ISC Event type ke.
DDA Event type ke.
MOS Event type se.
ISC XII 26 00 07 27.4–1.3 42.42N–.02 41.17E–.05 19–3 33 1-2

TIF	XII	26 00 07 26.4	42.41N	41.08E	14–1		¶602329344
ISK	XII	26 00 07 27.7	42.39N	41.33E	4–0	3.1L	
MOS	XII	26 00 07 28.8–.00	42.57N	41.12E	7–0	3.6	
ISC	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 00 08 04.4–1.3**	**42.36N–.02**	**41.09E–.03**	**6–11**		**55 1-3**
DDA	XII	26 00 08 05.2	42.31N	41.19E	7	3.7L	¶602329347
TIF	XII	26 00 08 05.8	42.31N	41.15E	20–3	3.7L	
MOS	XII	26 00 08 06.9–.00	42.54N	41.08E	4–0	3.9	
ISK	XII	26 00 08 06.1	42.29N	41.11E	17–0	3.2L	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISK	Event type ke.						
ISC	**XII**	**26 01 29 59.3–1.1**	**42.43N–.03**	**41.03E–.04**	**17–10**		**35 1-2**
ISCJB	XII	26 01 29 58.0–.87	42.43N–.04	41.02E–.05	4–10		¶602329351
ISK	XII	26 01 29 57.7	42.53N	40.92E	28–0	2.6L	
MOS	XII	26 01 30 01.5–.00	42.52N	41.09E	8–0	3.2	
DDA	XII	26 01 30 02.3	42.19N	41.04E	7	2.7L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=5.4km az=155.0.						
ISK	Event type ke.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**26 01 52 51.1–1.2**	**42.39N–.02**	**41.07E–.03**	**1–10**		**122 1-25**
AZER	XII	26 01 52 46.9–2.1	41.40N	40.02E	8	3.2L	¶602329352
DDA	XII	26 01 52 50.4	42.35N	40.93E	4	3.5L	
TIF	XII	26 01 52 52.4	42.36N	41.07E	19–2	3.5L	
ISK	XII	26 01 52 52.4	42.35N	41.07E	10–0	3.3L	
MOS	XII	26 01 52 53.0–.00	42.52N	41.06E	7–0	4.0	
ISC	Event type ke.						
AZER	Error ellipse: s-maj=67.8km s-min=16.6km az=6.0.						
DDA	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 02 13 50.8–1.4**	**42.36N–.03**	**41.02E–.05**	**6–11**		**26 1-2**
DDA	XII	26 02 13 51.9	42.31N	41.08E	7	2.4L	¶602329353
ISK	XII	26 02 13 51.6	42.34N	40.98E	15–0	2.4L	
MOS	XII	26 02 13 53.2–.00	42.53N	41.10E	7–0	2.8	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 02 15 15.8–1.2**	**42.37N–.02**	**41.03E–.04**	**6–11**		**38 1-2**
ISK	XII	26 02 15 15.1	42.41N	40.98E	6–0	2.6L	¶602329354
TIF	XII	26 02 15 17.3	42.37N	41.03E	25–3	2.6L	
MOS	XII	26 02 15 18.6–.00	42.54N	41.08E	7–0	3.2	
ISC	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 02 44 01.3–1.7**	**42.35N–.04**	**41.07E–.08**	**3–14**		**19 1-2**
MOS	XII	26 02 44 01.8–.00	42.43N	41.17E	6–2	3.1	¶602984961
DDA	XII	26 02 44 03.3	42.22N	41.07E	7	2.5L	
ISC	Event type ke.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**26 02 44 41.2–1.5**	**42.40N–.03**	**41.03E–.07**	**12–13**		**17 1-2**
MOS	XII	26 02 44 43.1–.00	42.55N	41.02E	2–0	3.2	¶602984964
DDA	XII	26 02 44 43.6	42.26N	41.12E	7	2.7L	
ISC	Event type ke.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**26 04 03 49.3–1.2**	**42.38N–.02**	**41.05E–.04**	**9–10**		**33 1-2**
TIF	XII	26 04 03 49.2	42.40N	41.03E	10–2		¶602954072
DDA	XII	26 04 03 50.8	42.25N	41.02E	7	3.1L	
MOS	XII	26 04 03 51.2–.00	42.54N	41.05E	8–0	3.3	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 06 52 09.6–2.1**	**42.44N–.07**	**41.07E–.06**	**3–18**		**24 1-2**
MOS	XII	26 06 52 11.5–.00	42.52N	41.05E	5–0	3.6	¶606583454
ISC	Event type se.						
MOS	Event type se.						
ISC	**XII**	**26 07 16 56.9–1.3**	**42.39N–.02**	**41.04E–.05**	**7–11**		**31 1-2**
TIF	XII	26 07 16 56.5	42.41N	41.06E	9–2		¶602329362
DDA	XII	26 07 16 57.4	42.35N	41.07E	7	3.1L	
MOS	XII	26 07 16 58.0–.00	42.53N	41.09E	7–0	3.3	
ISK	XII	26 07 17 00.9	42.14N	41.50E	5–1	2.4L	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISK	Event type ke.						
ISC	**XII**	**26 13 32 27.5–1.6**	**42.39N–.04**	**41.07E–.05**	**3–16**		**17 1-2**
MOS	XII	26 13 32 30.0–.00	42.51N	41.11E	8–0	3.1	¶606583456
ISC	Event type se.						
MOS	Event type se.						
ISC	**XII**	**26 18 05 07.0–3.1**	**42.39N–.09**	**41.1E–.10**	**11–19**		**14 1-2**
TIF	XII	26 18 05 07.8	42.35N	41.09E	18–4		¶602954076
MOS	XII	26 18 05 09.0–.00	42.51N	41.18E	6–0	3.3	
ISC	Event type se.						
MOS	Event type se.						
ISC	**XII**	**26 20 45 34.4–1.2**	**42.47N–.03**	**41.24E–.07**	**22–7**		**26 1-2**
DDA	XII	26 20 45 34.0	42.30N	41.07E	5	3.1L	¶602984993
MOS	XII	26 20 45 35.1–.00	42.57N	41.35E	9–0	3.1	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 20 47 37.1–1.4**	**42.39N–.03**	**41.03E–.07**	**11–11**		**26 1-2**
DDA	XII	26 20 47 40.6	42.21N	41.06E	7	2.9L	¶602984994
MOS	XII	26 20 47 40.3–.00	42.52N	41.13E	7–0	2.9	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**26 23 00 05.2–1.2**	**42.38N–.02**	**41.06E–.04**	**7–10**		**38 1-2**
TIF	XII	26 23 00 04.6	42.37N	40.97E	16–7		¶602329400
DDA	XII	26 23 00 06.3	42.24N	41.09E	6	3.3L	
MOS	XII	26 23 00 06.0–.00	42.51N	41.07E	7–0	3.2	
ISK	XII	26 23 00 06.6	42.35N	41.41E	5–0	2.6L	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISK	Event type ke.						
ISC	**XII**	**26 23 36 42.9–1.2**	**42.40N–.03**	**41.01E–.06**	**31–14**		**25 1-2**
ISCJB	XII	26 23 36 43.5–2.1	42.36N–.03	40.86E–.09	29–21		¶602985007
MOS	XII	26 23 36 43.8–.00	42.55N	41.07E	7–0	2.9	
DDA	XII	26 23 36 43.0	42.27N	41.01E	6	2.6L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=10.8km s-min=4.5km az=172.4.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**27 00 22 25.5–2.7**	**42.5N–.10**	**41.09E–.08**	**9–13**		**10 1-2**
MOS	XII	27 00 22 25.7–.00	42.51N	41.11E	8–0	2.6	¶606583460
ISC	Event type se.						
MOS	Event type se.						
MOS	**XII**	**27 00 55 45.2–.00**	**42.50N**	**41.14E**	**5**	**1.9**	
							¶606583462
MOS	Event type se.						
ISC	**XII**	**27 02 32 29.9–1.9**	**42.37N–.02**	**41.08E–.04**	**12–14**		**49 1-2**
ISK	XII	27 02 32 29.9	42.35N	41.10E	18–0	3.2L	¶602329409
TIF	XII	27 02 32 30.4	42.34N	41.05E	23–2	3.2L	
MOS	XII	27 02 32 31.1–.00	42.51N	41.10E	8–0	3.5	
DDA	XII	27 02 32 40.8	41.58N	41.06E	9	3.2L	
ISC	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**27 04 12 37.6–1.6**	**42.43N–.04**	**41.06E–.06**	**26–17**		**20 1-2**
DDA	XII	27 04 12 36.6	42.34N	41.15E	6	2.3L	¶602985018
MOS	XII	27 04 12 37.4–.00	42.52N	41.09E	7–0	2.9	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**27 06 10 43.2–1.4**	**42.42N–.04**	**41.02E–.06**	**23–17**		**25 1-2**
DDA	XII	27 06 10 43.2	42.27N	41.05E	7	2.9L	¶602985024
MOS	XII	27 06 10 44.2–.00	42.57N	41.07E	7–0	3.1	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**27 09 09 02.1–3.4**	**42.3N–.10**	**41.0E–.20**	**10**		**10 1-2**
DDA	XII	27 09 09 03.9	42.18N	40.98E	7	2.5L	¶602985037
ISC	Event type ke.						
DDA	Event type ke.						
ISC	**XII**	**28 04 37 03.3–1.4**	**42.37N–.03**	**41.11E–.04**	**16–11**		**34 1-2**
DDA	XII	28 04 37 04.2	42.20N	41.08E	7	2.8L	¶602985095
MOS	XII	28 04 37 05.8–.00	42.59N	41.11E	12–0	3.3	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**28 13 18 37.9–.91**	**42.82N–.04**	**43.95E–.03**	**9–6**		**23 0-1**
NORS	XII	28 13 18 37.4–.00	42.74N	43.95E	13–0	3.4	¶606583470
ISCJB	XII	28 13 18 38.2–.68	42.82N–.03	43.97E–.03	12–6	3.4	
ISC	Event type se.						
NORS	Event type se.						
ISCJB	Event type se.						
ISC	**XII**	**28 14 41 50.6–1.2**	**42.38N–.03**	**41.02E–.04**	**7–11**		**38 1-2**
DDA	XII	28 14 41 52.5	42.19N	40.82E	7	2.9L	¶602954078
TIF	XII	28 14 41 52.1	42.34N	40.97E	26–3	2.9L	
MOS	XII	28 14 41 53.0–.00	42.53N	41.08E	7–0	3.3	
ISC	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**28 16 02 58.2–3.3**	**42.34N–.07**	**41.0E–.10**	**14–18**		**16 1-2**
DDA	XII	28 16 03 00.1	42.16N	41.03E	8	2.7	¶602985120
ISC	Event type ke.						
DDA	Event type ke.						
ISC	**XII**	**28 17 42 23.2–1.3**	**42.39N–.02**	**41.06E–.03**	**5–11**		**47 1-2**
ISK	XII	28 17 42 23.4	42.38N	40.99E	10–1	3.1L	¶602329512
TIF	XII	28 17 42 24.9	42.35N	41.03E	25–2	3.1L	
ISCJB	XII	28 17 42 25.4–.67	42.34N–.02	40.94E–.05	15–7	3.1L	
MOS	XII	28 17 42 25.9–.00	42.51N	41.08E	4–0	3.5	
DDA	XII	28 17 42 40.2	41.55N	41.87E	7	2.6L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=170.1.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**29 00 28 34.6–1.7**	**42.35N–.03**	**41.02E–.04**	**15–13**		**36 1-2**
TIF	XII	29 00 28 34.2	42.34N	41.01E	27–2		¶602329525
ISK	XII	29 00 28 34.3	42.32N	41.02E	17–1	2.5L	
DDA	XII	29 00 28 35.0	42.22N	41.02E	7	2.7L	
MOS	XII	29 00 28 35.9–.00	42.52N	41.16E	10–0	3.2	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**29 00 29 47.4–1.2**	**42.40N–.03**	**41.08E–.03**	**11–11**		**45 1-2**
TIF	XII	29 00 29 47.5	42.39N	41.00E	28–5		¶602329526
ISK	XII	29 00 29 47.4	42.34N	41.00E	12–0	2.6L	
DDA	XII	29 00 29 48.6	42.25N	41.08E	7	3.0L	
MOS	XII	29 00 29 48.6–.00	42.48N	41.11E	7–0	3.4	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**29 01 47 03.5–1.2**	**42.36N–.03**	**41.06E–.04**	**8–11**		**27 1-2**
ISK	XII	29 01 47 03.3	42.34N	40.98E	12–0	2.3L	¶602329529
DDA	XII	29 01 47 04.5	42.23N	40.91E	6	2.1L	
MOS	XII	29 01 47 08.3–.00	42.65N	41.22E	21–1	3.1	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
MOS	Event type se.						
ISC	**XII**	**29 03 47 30.4–1.3**	**42.38N–.02**	**41.01E–.04**	**9–11**		**37 1-2**
ISK	XII	29 03 47 30.9	42.34N	41.04E	19–0	2.5L	¶602329533
MOS	XII	29 03 47 32.4–.00	42.53N	41.12E	8–0	3.1	
DDA	XII	29 03 47 45.5	41.58N	41.91E	7	1.9L	
ISC	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						
DDA	Event type ke.						
ISC	**XII**	**30 04 56 07.2–1.2**	**42.39N–.02**	**41.15E–.04**	**13–10**		**36 1-2**
MOS	XII	30 04 56 08.3–.00	42.48N	41.12E	8–0	3.4	¶602329570
ISK	XII	30 04 56 08.0	42.32N	41.07E	16–0	2.4L	
DDA	XII	30 04 56 09.8	42.21N	41.16E	7	2.9L	
ISC	Event type ke.						
MOS	Event type se.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**XII**	**30 19 32 37.3–4.1**	**42.3N–.10**	**41.1E–.10**	**5–17**		**12 1-2**
DDA	XII	30 19 32 38.9	42.22N	41.13E	7	2.7L	¶602985180
ISC	Event type ke.						
DDA	Event type ke.						
ISC	**XII**	**31 00 15 19.5–.82**	**43.31N–.02**	**44.72E–.02**	**12–6**		**86 0-24**
MOS	XII	31 00 15 17.5–.00	43.28N	44.76E	7–0	3.6	¶605300048
ISCJB	XII	31 00 15 19.0–.38	43.31N–.02	44.79E–.02	2–4	3.4b	
DRS	XII	31 00 15 21.4–.00	42.97N	44.54E	20	3.4b	
ISC	Event type se.						
MOS	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=4.1km s-min=2.4km az=15.0.						
DRS	Event type se.						
ISC	**XII**	**31 03 41 25.9–1.4**	**42.42N–.03**	**41.01E–.04**	**12–11**		**28 1-2**
TIF	XII	31 03 41 25.4	42.38N	40.93E	17–3		¶602954090
MOS	XII	31 03 41 26.7–.00	42.50N	41.05E	8–0	3.7	
ISC	Event type se.						
MOS	Event type se.						
ISC	**XII**	**31 07 30 18.2–1.2**	**42.39N–.02**	**41.05E–.04**	**8–10**		**56 1-3**
DDA	XII	31 07 30 17.5	42.30N	40.81E	5	3.2L	¶602329638
ISK	XII	31 07 30 17.3	42.39N	41.04E	10–1	3.2L	
TIF	XII	31 07 30 18.6	42.36N	40.97E	26–2	3.2L	
MOS	XII	31 07 30 20.2–.00	42.54N	41.04E	8–0	4.0	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
MOS	Event type se.						

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ISC	**IX**	**15 09 36 59.3–2.3**	**42.0N–.10**	**26.80E–.08**	**12–8**		**13 0-2**
ISK	IX	15 09 36 58.4	41.99N	26.81E	5–0	2.1L	¶602077929
DDA	IX	15 09 37 01.3	41.42N	27.81E	7	2.7L	
ISC	Event type ke.						
ISK	Event type ke.						

DDA Event type ke.
ISC X 04 20 37 13.3–1.1 41.18N–.02 24.01E–.02 6–9 107 0-5
ISCJB X 04 20 37 13.8–.45 41.20N–.02 24.02E–.02 11–3 ¶603001142
ATH X 04 20 37 13.2 41.22N 24.02E 26–0 2.7L
THE X 04 20 37 14.1 41.19N 24.03E 4–1 2.7L
DDA X 04 20 37 36.2 40.49N 25.93E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=175.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=186.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=238.0.
DDA Event type ke.
ISC X 18 23 36 14.4–1.1 41.81N–.02 24.12E–.02 7–9 76 0-4
ISCJB X 18 23 36 13.8–.49 41.84N–.02 24.15E–.03 2–4 ¶602051151
SOF X 18 23 36 13.7 41.82N 24.15E 13 2.5
THE X 18 23 36 14.4 41.81N 24.16E 2–1 2.2L
ATH X 18 23 36 14.2 41.81N 24.16E 19–2 2.2L
SKO X 18 23 36 15.7 41.82N 24.10E 3 2.2L
BEO X 18 23 36 15.9–1.1 41.86N 24.13E 8–4 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=5.3.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=343.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=181.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
ATH X 23 04 54 51.9 41.05N 25.24E 8–31 1.7L
¶603911448
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.1km az=0.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 04 23 36 01.4–1.0 41.68N–.02 23.79E–.02 10–8 82 0-4
ISCJB XI 04 23 36 00.8–.46 41.70N–.02 23.79E–.03 6–3 ¶602051279
THE XI 04 23 36 01.8 41.66N 23.78E 6–0 2.3L
ATH XI 04 23 36 01.6 41.63N 23.80E 24–1 2.3L
BEO XI 04 23 36 02.7–.50 41.72N 23.83E 13–3 2.5L
SKO XI 04 23 36 02.5 41.71N 23.75E 4 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=164.2.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=275.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=177.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
ISC XII 26 03 58 31.8–1.0 41.44N–.03 25.44E–.03 11–9 42 0-2
SKO XII 26 03 58 29.7 41.32N 25.60E 0 ¶602329357
ISK XII 26 03 58 29.9 41.43N 25.40E 5–0 2.3L
ISCJB XII 26 03 58 31.0–.64 41.48N–.03 25.46E–.03 2–5 2.3L
THE XII 26 03 58 31.8 41.46N 25.46E 1–2 2.1L
SOF XII 26 03 58 34.2 41.64N 25.35E 29 2.1L
DDA XII 26 03 58 35.0 41.28N 25.59E 6 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=26.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=36.0.
DDA Event type ke.

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ATH VII 01 02 25 24.3 38.11N 22.32E 13–3 1.3L
CSEM VII 01 02 25 24.3 38.11N 22.32E 13 1.3L ¶605473535
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
THE VII 01 02 25 32.0 38.09N 22.30E 9–2 1.6L
CSEM VII 01 02 25 32.0 38.09N 22.30E 9 1.6L ¶602027330
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=211.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 02 19 42 10.7–.91 40.59N–.02 21.57E–.02 15–7 58 0-1
SKO VII 02 19 42 09.5 40.50N 21.66E 1 1.8L ¶602027381
ISCJB VII 02 19 42 10.7–.41 40.59N–.02 21.58E–.04 7–7 1.8L
CSEM VII 02 19 42 10.5–.12 40.59N 21.58E 10 2.1L
THE VII 02 19 42 10.8 40.59N 21.58E 12–1 1.8L
ATH VII 02 19 42 10.1 40.59N 21.58E 20–4 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=169.8.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=324.0.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.2km az=310.0.
ATH VII 04 02 21 16.2 40.81N 21.35E 7–1 1.4L
CSEM VII 04 02 21 16.5–.23 40.80N 21.38E 5 1.4L ¶603224906
TIR VII 04 02 21 16.1 40.48N 21.40E 8 2.1
SKO VII 04 02 21 16.1 40.79N 21.39E 15 1.6L,1.0
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=320.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=153.0.
ISC VII 04 03 13 26.2–.77 40.78N–.01 21.39E–.02 5–4 132 0-6
SKO VII 04 03 13 23.3 40.78N 21.39E 15 2.6L,2.2 ¶602027420
ATH VII 04 03 13 25.8 40.78N 21.39E 10–1 2.6L,2.2
TIR VII 04 03 13 25.9 40.76N 21.32E 4 2.7,2.2
THE VII 04 03 13 26.4 40.79N 21.39E 3–1 2.5L,2.2
ISCJB VII 04 03 13 26.1–.30 40.79N–.01 21.40E–.02 4–2 2.5L,2.2
CSEM VII 04 03 13 26.1–.12 40.79N 21.39E 2 2.6L,2.2
IASPE VII 04 03 13 26.1–.81 40.77N–.02 21.38E–.02 6–4 2.6L,2.2
ISC Event type ke.
ATH Event type ke.
THE Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ATH VII 04 13 28 00.7 38.40N 21.90E 9–2 1.6L
CSEM VII 04 13 28 00.6 38.40N 21.90E 9 1.6L ¶601241272
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 05 00 40 27.6 38.59N 21.87E 22–2 1.0L
CSEM VII 05 00 40 27.6 38.59N 21.87E 22 1.0L ¶603224944
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=116.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 05 02 13 01.2–.87 40.43N–.01 21.45E–.01 13–7 393 0-22
SKO VII 05 02 13 00.6 40.34N 21.39E 8 3.3L,2.6 ¶601242107
ATH VII 05 02 13 01.0 40.44N 21.47E 21–0 3.2L,2.6
TIR VII 05 02 13 00.5 40.51N 21.49E 3 3.3,2.6
PDG VII 05 02 13 01.7–.43 40.46N 21.48E 16–0 3.2L,2.6
THE VII 05 02 13 01.3 40.41N 21.42E 18–0 3.4L,2.6
CSEM VII 05 02 13 01.5–.07 40.45N 21.47E 8 3.2L,2.6
BEO VII 05 02 13 02.4–.70 40.47N 21.43E 12–2 3.0L,2.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=325.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=335.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=60.0.
BEO Event type ke.
ATH VII 11 17 12 00.1 38.78N 23.53E 14–6 1.6L
CSEM VII 11 17 12 00.1 38.78N 23.53E 14 1.6L ¶603225338
ATH Event type ke. Error ellipse: s-maj=6.9km s-min=0.7km az=297.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 12 01 09 22.9 38.85N 23.13E 10–3 1.4L
CSEM VII 12 01 09 22.9 38.85N 23.13E 10 1.4L ¶603225372
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
THE VII 13 01 11 28.3 38.43N 20.63E 8–1 1.4L
CSEM VII 13 01 11 27.4–.34 38.45N 20.54E 10 1.4L ¶602027636
ATH VII 13 01 11 27.7 38.44N 20.60E 13–2 1.4L
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=257.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.0km az=87.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=274.0.
ATH VII 16 03 19 59.1 38.44N 21.92E 10–2 1.3L
CSEM VII 16 03 19 59.1 38.44N 21.92E 10 1.3L ¶603225585
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=202.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
THE VII 16 09 06 37.1 38.57N 22.44E 21–2 1.7L
CSEM VII 16 09 06 36.2–.15 38.55N 22.47E 28–2 1.8L ¶602027699
ATH VII 16 09 06 37.6 38.46N 22.44E 27–2 1.8L
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=147.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=344.0.
ISC VII 19 04 51 10.9–.81 40.77N–.02 21.38E–.03 7–4 51 0-1
CSEM VII 19 04 51 10.3–.22 40.81N 21.34E 8 2.2L ¶602027794
SKO VII 19 04 51 10.7 40.78N 21.39E 10 2.3L,1.9
ATH VII 19 04 51 10.8 40.79N 21.36E 9–1 2.5L,1.9
ISCJB VII 19 04 51 11.1–.42 40.78N–.02 21.38E–.04 6–4 2.5L,1.9
THE VII 19 04 51 11.1 40.79N 21.38E 8–0 2.2L,1.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=136.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=334.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=9.4.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=312.0.
ISC VII 19 09 35 13.9–1.1 38.08N–.02 20.39E–.04 18–5 96 0-5
ISCJB VII 19 09 35 13.4–.86 38.07N–.03 20.34E–.06 11–4 ¶602027802
THE VII 19 09 35 14.2 38.06N 20.40E 12–0 3.1L
CSEM VII 19 09 35 14.0–.30 38.09N 20.41E 10 2.8L
ATH VII 19 09 35 14.1 38.08N 20.44E 20–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.4km az=169.1.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=77.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=82.0.
ATH VII 19 13 35 06.2 38.99N 22.18E 14–3 1.4L
CSEM VII 19 13 35 06.1–.11 39.00N 22.17E 10 1.4L ¶603143092
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=123.0.
ATH VII 20 13 53 06.1 38.14N 23.61E 18–5 1.3L
CSEM VII 20 13 53 06.1 38.14N 23.61E 18 1.3L ¶603225760
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=0.9km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 22 17 13 28.1 38.28N 22.16E 12–4 0.5L
CSEM VII 22 17 13 28.0 38.28N 22.16E 12 0.5L ¶603225878
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.1km az=262.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 25 08 57 15.7 38.28N 22.20E 8–3 1.4L
CSEM VII 25 08 57 15.7 38.28N 22.20E 8 1.4L ¶603225983
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.7km az=237.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 26 09 16 03.9–.69 38.41N–.01 21.88E–.01 9–3 3.3b 260 0-44
IDC VII 26 09 16 02.4–2.3 38.46N 21.80E 0 3.3,3.3 ¶601666471
CSEM VII 26 09 16 03.9–.11 38.40N 21.88E 2 3.2L,3.3
ATH VII 26 09 16 03.7 38.41N 21.88E 13–1 3.2L,3.3
IASPE VII 26 09 16 03.7–.75 38.42N–.01 21.88E–.01 10–3 3.3b,3.3
ISCJB VII 26 09 16 03.9–.20 38.41N–.01 21.88E–.02 8–1 3.2b,3.3
THE VII 26 09 16 04.0 38.41N 21.87E 3–1 3.1L,3.3
BEO VII 26 09 16 05.5–1.1 38.49N 21.98E 0 3.1L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=21.6km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=37.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=115.0.
IASPE Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=27.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=32.8.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=199.0.
BEO Event type ke.
ATH VII 27 11 50 58.4 38.29N 22.11E 8–3 1.0L
CSEM VII 27 11 50 58.4 38.29N 22.11E 8 1.0L ¶603226074
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=298.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 28 11 28 48.3 38.38N 21.80E 17–3 0.8L
CSEM VII 28 11 28 48.3 38.38N 21.80E 17 0.8L ¶603226122
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.1km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 30 02 44 50.2 38.15N 20.76E 17–4 1.1L
CSEM VII 30 02 44 50.2 38.15N 20.76E 17 1.1L ¶603226196
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.7km az=201.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 31 15 13 25.1–.79 38.84N–.01 21.26E–.01 18–2 3.6b 269 0-93
TIR VII 31 15 13 18.5 38.64N 21.52E 15 3.9 ¶601506096
IDC VII 31 15 13 22.3–.95 38.88N 21.26E 0 3.7,3.6
ATH VII 31 15 13 24.9 38.81N 21.29E 30–1 3.4L,3.6
THE VII 31 15 13 25.8 38.82N 21.27E 23–1 3.4L,3.6
CSEM VII 31 15 13 25.5–.17 38.83N 21.27E 18–1 3.4L,3.6
BEO VII 31 15 13 26.9–1.4 38.90N 21.39E 12–7 3.2L,3.6
PDG VII 31 15 13 27.7–.08 39.16N 21.17E 15–0 5.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=15.7km az=25.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=220.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=210.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=45.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.4km az=90.0.
ISC VIII 02 21 47 34.0–.88 38.93N–.02 21.24E–.02 16–7 130 0-10
ISCJB VIII 02 21 47 34.7–.32 38.92N–.02 21.26E–.02 15–6 ¶601734744
TIR VIII 02 21 47 34.4 38.82N 21.15E 38 3.9
THE VIII 02 21 47 34.7 38.93N 21.28E 16–0 2.8L
ATH VIII 02 21 47 34.1 38.92N 21.26E 12–3 2.9L
BEO VIII 02 21 47 34.9–1.1 38.93N 21.25E 8–5 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=3.1.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=193.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=223.0.
BEO Event type ke.
ISC VIII 04 04 46 39.4–.74 38.41N–.02 21.91E–.01 10–4 3.2b 121 0-44
IASPE VIII 04 04 46 39.5–.79 38.40N–.02 21.90E–.02 11–4 3.2b ¶601765438
ISCJB VIII 04 04 46 39.8–.25 38.40N–.01 21.90E–.02 8–2 3.2b
ATH VIII 04 04 46 39.7 38.39N 21.90E 10–1 2.9L
THE VIII 04 04 46 40.0 38.40N 21.90E 8–0 2.7L
IDC VIII 04 04 46 40.1–1.3 38.58N 22.06E 0 3.3,3.3
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=172.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=16.2.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=50.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=230.0.
IDC Error ellipse: s-maj=29.3km s-min=23.1km az=80.0.
ISC VIII 05 12 44 33.1–.79 38.10N–.01 21.99E–.01 17–5 3.4b 238 0-45
IDC VIII 05 12 44 30.3–1.2 38.18N 22.05E 0 3.4,3.4b ¶601734787
ATH VIII 05 12 44 32.5 38.10N 21.97E 26–0 3.4L,3.4b
ISCJB VIII 05 12 44 33.4–.19 38.11N–.01 21.97E–.02 24–1 3.4b,3.4b
BEO VIII 05 12 44 33.9–1.2 38.16N 22.34E 0 3.0L,3.4b
THE VIII 05 12 44 33.5 38.09N 21.96E 15–0 3.4L,3.4b
PDG VIII 05 12 44 33.1–.51 38.10N 22.00E 18–0 3.6L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=21.2km az=148.0.
ATH Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=332.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=35.2.

BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=15.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
ATH VIII 06 02 58 06.5 38.33N 22.05E 8–2 0.6L
¶603226515
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=54.0.
ATH VIII 07 23 56 52.4 39.18N 22.35E 10–4 1.5L
¶603226587
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.7km az=189.0.
ISC VIII 08 22 57 30.2–.90 39.16N–.01 22.41E–.02 8–7 139 0-10
BEO VIII 08 22 57 27.9–1.1 39.03N 22.55E 0 3.0L **¶601734833**
TIR VIII 08 22 57 28.6 39.20N 22.42E 3 3.7
ISCJB VIII 08 22 57 29.9–.35 39.16N–.01 22.39E–.02 7–3 3.7
ATH VIII 08 22 57 29.7 39.16N 22.37E 21–1 3.1L
THE VIII 08 22 57 30.1 39.16N 22.37E 11–0 3.2L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=3.1.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=295.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=298.0.
ATH VIII 16 20 09 38.0 38.29N 22.12E 9–2 1.1L
¶603226870
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=339.0.
ISC VIII 16 21 22 54.3–.77 38.25N–.01 22.54E–.01 14–5 3.5b 205 0-44
IDC VIII 16 21 22 52.5–1.0 38.26N 22.61E 0 3.6,3.6 **¶601564815**
ATH VIII 16 21 22 53.9 38.28N 22.55E 24–0 3.6L,3.6
ISCJB VIII 16 21 22 54.7–.18 38.28N–.01 22.54E–.02 20–2 3.4b,3.1s
THE VIII 16 21 22 54.5 38.27N 22.54E 13–0 3.5L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=17.7km az=91.0.
ATH Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=280.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=26.2.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=322.0.
ISC VIII 25 06 17 44.8–.69 38.87N–.01 23.25E–.02 16–4 3.5b 223 0-120
ISCJB VIII 25 06 17 44.7–.30 38.92N–.01 23.25E–.02 15–2 3.5b **¶601625877**
PDG VIII 25 06 17 44.6–.65 38.90N 23.30E 14–1 3.3L
ATH VIII 25 06 17 44.1 38.89N 23.22E 26–0 3.8L
IASPE VIII 25 06 17 44.7–.77 38.88N–.02 23.23E–.02 17–4 3.5b,2.6s
THE VIII 25 06 17 45.0 38.89N 23.21E 15–0 3.7L,2.6s
TIR VIII 25 06 17 46.6 39.08N 23.12E 6 4.0,2.6s
IDC VIII 25 06 17 48.7–2.1 38.84N 23.23E 50–22 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=174.3.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=106.0.
IASPE Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=108.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=315.0.
IDC Error ellipse: s-maj=16.6km s-min=15.8km az=100.0.
ISC VIII 27 14 05 14.3–.83 38.16N–.02 20.58E–.04 16–4 84 0-12
ATH VIII 27 14 05 13.4 38.16N 20.56E 21–1 3.5L **¶602028747**
ISCJB VIII 27 14 05 14.2–.49 38.15N–.03 20.57E–.04 13–2 3.5L
THE VIII 27 14 05 14.2 38.15N 20.57E 13–0 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=141.4.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=249.0.
ATH IX 02 00 53 59.7 38.93N 23.39E 12–2 2.0L
THE IX 02 00 53 59.8 38.93N 23.36E 12–1 1.9L **¶602028958**
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=316.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=96.0.
ATH IX 02 21 42 50.9 38.41N 21.93E 8–1 0.9L
¶603908763
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=355.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH IX 05 00 47 04.2 39.27N 21.72E 22–1 1.5L
¶603908837
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=69.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 08 16 40 14.7–.65 38.35N–.02 22.09E–.02 13–3 3.8b 147 0-67
ISCJB IX 08 16 40 14.8–.28 38.37N–.01 22.08E–.02 13–2 4.0s,3.7b **¶601863179**
IASPE IX 08 16 40 14.5–.78 38.37N–.02 22.09E–.02 13–3 3.8b,3.7b
ATH IX 08 16 40 14.6 38.37N 22.10E 13–1 3.3L,3.7b
THE IX 08 16 40 15.0 38.37N 22.07E 10–0 3.7L,3.7b
BEO IX 08 16 40 15.8–1.0 38.27N 22.26E 10 3.2L,3.7b
IDC IX 08 16 40 19.4–2.0 38.30N 22.13E 64–25 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=140.6.
IASPE Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=1.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=291.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=281.0.
BEO Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=14.8km az=46.0.
ISC IX 09 00 53 03.8–.74 38.35N–.02 21.85E–.02 13–4 104 0-44
IDC IX 09 00 52 59.9–7.1 37.62N 21.83E 0 3.0,3.0 **¶601863199**
IASPE IX 09 00 53 03.6–.80 38.35N–.02 21.86E–.02 14–5 3.0,3.0
ATH IX 09 00 53 03.7 38.35N 21.88E 17–1 2.8L,3.0
THE IX 09 00 53 03.9 38.35N 21.86E 13–0 3.1L,3.0
ISCJB IX 09 00 53 04.1–.26 38.35N–.02 21.87E–.02 9–2 3.3b,3.0
ISC Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ATH Event type ke. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISCJB Event type ke.
ATH IX 10 17 24 37.8 38.33N 21.85E 10–2 1.8L
¶603909082
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=73.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 15 12 24 46.4–.82 38.84N–.01 21.91E–.02 9–5 3.8b 276 0-121
ATH IX 15 12 24 45.7 38.85N 21.85E 20–1 3.8L **¶601717688**
THE IX 15 12 24 46.8 38.85N 21.90E 5–1 3.5L
ISCJB IX 15 12 24 46.3–.30 38.86N–.01 21.88E–.02 10–2 3.7b
PDG IX 15 12 24 46.4–.42 38.86N 21.91E 11–0 3.7L
IDC IX 15 12 24 48.8–5.8 38.86N 21.87E 25–40 4.1L,3.9
BEO IX 15 12 24 51.3–.80 39.22N 22.04E 0 3.4L,3.9
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=236.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=184.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=149.9.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=18.4km s-min=16.5km az=54.0.
BEO Event type ke.
ATH IX 15 17 41 54.5 38.33N 22.10E 10–3 0.7L
¶603909293
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.0km az=31.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 19 00 55 37.5–.78 38.34N–.01 22.34E–.01 13–5 249 0-8
ISCJB IX 19 00 55 37.5–.23 38.34N–.01 22.33E–.01 9–2 **¶603909498**
ATH IX 19 00 55 37.0 38.34N 22.32E 23–1 3.2L
THE IX 19 00 55 37.6 38.35N 22.34E 8–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=29.5.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=333.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=226.0.
ISC IX 21 15 21 21.6–.64 38.35N–.01 22.01E–.01 10–3 4.1b 281 0-121
IDC IX 21 15 21 19.9–.82 38.40N 22.06E 0 4.1,4.0 **¶601735820**
THE IX 21 15 21 21.6 38.35N 22.01E 8–0 3.9L,4.0
ATH IX 21 15 21 21.2 38.35N 22.02E 14–1 4.0L,4.0
NEIC IX 21 15 21 21.6–.00 38.35N 22.01E 9 4.1L,4.0
IASPE IX 21 15 21 21.4–.76 38.35N–.01 22.01E–.01 11–4 4.1b,2.8s
ISCJB IX 21 15 21 21.4–.20 38.35N–.01 22.00E–.01 9–1 4.0b,2.8s
PDG IX 21 15 21 21.8–.54 38.35N 22.01E 5–0 3.7L,2.8s
BEO IX 21 15 21 28.1–1.0 38.67N 21.95E 10 3.6L,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=16.6km az=44.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=295.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=337.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After THE.
IASPE Event type ke. Error ellipse: s-maj=2.1km s-min=2.1km az=3.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=138.8.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.
ATH IX 21 17 27 37.2 38.34N 22.02E 9–2 1.0L
¶603909675
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=60.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 22 03 52 26.4–.43 38.10N–.01 22.73E–.01 19–1 5.5b,4.6s 2029 0-137
BEO IX 22 03 52 11.4–1.2 37.15N 23.25E 0 5.3L,4.6s **¶601736492**
BJI IX 22 03 52 17.7 38.12N 22.15E 5 5.1b,5.0b
LVSN IX 22 03 52 21.0–2.2 37.99N 21.97E 0–999 4.4s,5.0b
CNRM IX 22 03 52 23.1 39.30N 23.86E 58 5.3L,5.0b
GII IX 22 03 52 24.7–.00 38.10N 22.77E 10 5.3L,5.0b
THE IX 22 03 52 24.7 38.08N 22.75E 0–1 4.9L,5.0b
ISCJB IX 22 03 52 24.1–.25 38.200N–.01 22.783E–.01 10–1 5.4b,4.5s
ATH IX 22 03 52 24.5 38.09N 22.74E 25–0 4.9L,4.5s
MOS IX 22 03 52 24.3–1.1 38.24N 22.83E 13 5.4b,4.5s
NEIC IX 22 03 52 26.1–.00 38.10N 22.77E 10 5.6b,5.1L
NEIC IX 22 03 52 26.0–.00 38.19N 22.42E 15 5.6b,5.1L
PDG IX 22 03 52 26.0–.63 38.15N 22.80E 24–1 5.3,4.9L
IDC IX 22 03 52 27.1–1.3 38.20N 22.80E 26–7 5.0,4.9
GCMT IX 22 03 52 28.1–.20 38.02N–.01 22.68E–.02 16–0 5.0W,4.9
DDA IX 22 03 52 39.0 38.17N 22.79E 21 5.1L,4.9
ISC Event type fe.
BEO Event type ke.
LVSN Error ellipse: s-maj=999.9km s-min=409.8km az=-1.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=14.8.
ATH Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=244.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=4.2km s-min=2.5km az=90.9.
NEIC Event type fe. Felt at Argos, Corinth, Nafplio and in the Athens area. After THE.
NEIC Event type se. Moment Tensor Solution. s17 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.91 $M_{\theta\theta}$2.64 $M_{\phi\phi}$0.27 $M_{r\theta}$-1.89 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s117.00000°,δ64.00000°,λ-81.00000°. NP2:ϕ_s279.00000°,δ27.00000°,λ-106.00000°. Principal axes: T 3.6600,Plg18.0000°,Azm201.0000°; N 0.0600,Plg7.0000°,Azm293.0000°; P -3.7200,Plg69.0000°,Azm44.0000° $M_0$3.70000×10^{16}
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.
IDC Error ellipse: s-maj=9.0km s-min=8.7km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s93,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.13 $M_{\theta\theta}$3.05±.09; $M_{\phi\phi}$0.19±.08; $M_{r\theta}$-2.26±.23; $M_{\theta\phi}$-1.44±.06; $M_{\phi r}$-0.09±.26; Best double couple: NP1:ϕ_s99.00000°,δ62.00000°,λ-104.00000°. NP2:ϕ_s307.00000°,δ31.00000°,λ-65.00000°. Principal axes: T 4.2290,Plg16.0000°,Azm199.0000°; N -0.1860,Plg13.0000°,Azm106.0000°; P -4.0450,Plg70.0000°,Azm338.0000° $M_0$4.13700×10^{16}
DDA Event type ke.
THE IX 22 06 14 35.7 40.66N 23.28E 16–2 1.5L
¶604158427
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=230.0.
THE IX 30 02 01 08.8 38.10N 22.67E 4–2 1.8L
ATH IX 30 02 01 08.7 38.10N 22.67E 13–5 1.8L **¶602031394**
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=75.0.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=0.8km az=334.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 30 02 41 35.4–.81 38.09N–.01 22.70E–.01 16–6 3.4b 214 0-44
IDC IX 30 02 41 32.8–1.3 37.79N 22.77E 0 3.4,3.4b **¶606542159**
ATH IX 30 02 41 34.9 38.11N 22.70E 20–1 3.2L,3.4b
ISCJB IX 30 02 41 35.9–.20 38.10N–.01 22.69E–.01 17–3 3.3b,3.4b
THE IX 30 02 41 35.3 38.09N 22.69E 8–1 3.1L,3.4b
TIR IX 30 02 41 40.0 38.50N 22.62E 32 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=21.8km az=154.0.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=4.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=21.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=255.0.
ATH IX 30 08 23 37.2 38.54N 21.85E 18–2 1.6L
¶603910285
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=72.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH IX 30 21 58 40.0 38.51N 21.69E 17–3 0.6L
¶603910305
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=26.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH IX 30 22 33 04.8 38.09N 22.68E 15–4 1.7L
¶603910308
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.7km az=345.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH X 01 05 29 18.4 38.50N 23.49E 15–5 1.9L
¶603910329
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=0.6km az=65.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH X 03 10 57 16.9 38.41N 21.94E 9–1 1.9L
THE X 03 10 57 17.2 38.41N 21.95E 8–1 2.0L **¶603001085**
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=37.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=178.0.
ISC X 09 06 25 25.5–.80 38.89N–.01 21.74E–.02 9–5 3.9b,3.0s 200 0-121
IDC X 09 06 25 23.5–.93 38.85N 21.76E 0 4.0,4.0L **¶606635563**
TIR X 09 06 25 23.4 38.92N 21.88E 13 3.7,4.0L
ATH X 09 06 25 24.9 38.92N 21.69E 17–6 3.8L,4.0L
THE X 09 06 25 24.8 38.91N 21.67E 5–1 3.7L,4.0L
ISCJB X 09 06 25 25.0–.29 38.90N–.01 21.73E–.02 8–2 3.9b,2.9s
PDG X 09 06 25 25.7–.85 38.92N 21.73E 2–1 3.8L,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=17.3km az=14.0.
ATH Event type ke. Error ellipse: s-maj=6.4km s-min=0.9km az=184.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=188.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=166.9.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
ISC X 09 06 33 55.4–.76 39.42N–.01 22.95E–.01 12–4 3.6b 244 0-43
THE X 09 06 33 54.7 39.43N 22.93E 14–0 3.6L **¶601879515**
ATH X 09 06 33 54.2 39.42N 22.97E 26–0 3.5L
PDG X 09 06 33 54.8–.47 39.43N 22.95E 11–0 3.7L

IASPE X 09 06 33 54.7–.80 39.43N–.02 22.93E–.02 14–5 3.6b
ISCJB X 09 06 33 55.1–.21 39.431N–.01 22.99E–.02 18–2 3.6b,2.5s
IDC X 09 06 33 56.9–2.0 39.41N 23.54E 0 3.7L,3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=87.0.
ATH Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=112.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
IASPE Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=81.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=166.5.
IDC Error ellipse: s-maj=36.9km s-min=20.6km az=77.0.
ISC X 10 05 51 54.5–.81 38.11N–.02 20.80E–.02 14–5 3.9b 130 0-60
IDC X 10 05 51 52.5–1.1 38.15N 20.95E 0 3.8,3.8b **¶601997720**
ISCJB X 10 05 51 54.0–.39 38.07N–.02 20.71E–.03 21–3 3.8b,3.8b
THE X 10 05 51 54.8 38.11N 20.81E 8–0 3.6L,3.8b
ATH X 10 05 51 54.3 38.09N 20.76E 15–2 3.6L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=18.1km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=34.8.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=335.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=255.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE X 10 08 01 26.7 38.91N 21.71E 12–1 2.2L
ATH X 10 08 01 26.9 38.93N 21.73E 13–3 2.1L **¶603001421**
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=58.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.5km az=52.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 16 05 16 44.7–.97 39.24N–.01 21.80E–.02 14–7 4.1b 205 0-44
IDC X 16 05 16 42.2–1.3 39.29N 21.72E 0 3.9b,3.8 **¶601998460**
ISCJB X 16 05 16 44.6–.43 39.26N–.01 21.82E–.02 10–3 3.8b,3.8
ATH X 16 05 16 44.3 39.24N 21.80E 27–0 3.4L,3.8
THE X 16 05 16 45.0 39.23N 21.80E 10–0 3.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=21.1km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=11.5.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=185.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=169.0.
ISC X 18 03 00 29.5–.75 38.39N–.02 21.86E–.02 10–4 3.6b 103 0-44
IDC X 18 03 00 28.1–3.5 38.41N 21.79E 0 3.7b,3.5 **¶601998738**
IASPE X 18 03 00 29.4–.91 38.39N–.02 21.87E–.02 10–4 3.6b,3.5
ISCJB X 18 03 00 29.2–.27 38.39N–.02 21.85E–.02 11–2 3.6b,3.5
THE X 18 03 00 29.5 38.39N 21.85E 3–1 2.9L,3.5
ATH X 18 03 00 29.4 38.39N 21.87E 12–1 2.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=70.7km s-min=28.5km az=57.0.
IASPE Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=82.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=11.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=32.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=95.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 18 19 27 54.3–.72 38.56N–.01 21.94E–.02 16–4 4.0b 184 0-45
IDC X 18 19 27 49.4–4.3 38.32N 21.74E 0 3.9b,3.8 **¶601879521**
ISCJB X 18 19 27 54.0–.24 38.57N–.01 21.92E–.02 11–2 3.8b,3.8
ATH X 18 19 27 53.5 38.55N 21.92E 21–1 3.2L,3.8
THE X 18 19 27 54.0 38.57N 21.94E 7–0 3.1L,3.8
IASPE X 18 19 27 54.0–.78 38.56N–.02 21.93E–.02 17–4 4.0b,3.8
PDG X 18 19 27 54.4–.51 38.54N 21.93E 12–0 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=79.5km s-min=30.5km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=160.5.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=111.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=233.0.
IASPE Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=76.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ISC X 21 04 43 31.0–.73 40.69N–.02 23.24E–.02 15–4 3.3b 221 0-42
IDC X 21 04 43 29.1–1.2 40.60N 23.19E 0 3.4,3.4L **¶606635585**
SKO X 21 04 43 30.4 40.68N 23.22E 15 3.4,3.4L
ATH X 21 04 43 30.3 40.67N 23.27E 21–0 3.3L,3.4L
ISCJB X 21 04 43 30.6–.30 40.72N–.01 23.27E–.02 12–2 3.2b,3.4L
THE X 21 04 43 31.1 40.70N 23.26E 9–0 3.3L,3.4L
BEO X 21 04 43 31.7–1.1 40.68N 23.19E 16–5 3.5L,3.4L
TIR X 21 04 43 35.1 40.72N 23.01E 25 3.7,3.4L
SIK X 21 04 43 51.1–17 42N–1.0 22.0E–.80 0 2.4L,3.4L
ISC Event type ke.
ATH Event type ke. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke.
THE Event type ke.
BEO Event type ke.
ISC X 23 15 20 42.7–.55 38.93N–.01 20.64E–.02 13–3 4.6b,4.3s 740 0-122
BJI X 23 15 20 38.7 39.59N 20.11E 8 5.0b,4.7b **¶606635590**
HLW X 23 15 20 38.9 39.26N 21.13E 33–44 5.2L,4.7b
TIR X 23 15 20 39.2 38.98N 20.65E 14 4.7,4.7b
IDC X 23 15 20 41.7–3.5 38.96N 20.61E 11–21 4.3,4.3
ATH X 23 15 20 42.3 38.95N 20.63E 14–1 4.5L,4.3
ISCJB X 23 15 20 42.6–.20 38.93N–.01 20.57E–.02 25–1 4.6b,4.2s
THE X 23 15 20 42.0 38.97N 20.62E 16–0 4.6L,4.2s
PDG X 23 15 20 42.2–.73 38.97N 20.56E 4–1 4.6L,4.2s
NEIC X 23 15 20 42.2–.00 38.92N 20.50E 17 4.8W,4.6L
MOS X 23 15 20 42.7–1.7 38.96N 20.62E 18 4.8b,4.1s
GCMT X 23 15 20 43.2–.30 38.85N–.02 20.56E–.02 18–1 4.8W,4.1s
GII X 23 15 20 47.0–.00 37.64N 20.67E 6–1 4.8W,4.1s
SIK X 23 15 21 17.2–6.1 41.2N–.30 20.5E–.60 18 3.9L,4.1s
DDA X 23 15 21 54.0 39.15N 21.81E 69 4.2L,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=13.0km az=30.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=245.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=44.8.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=246.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
NEIC Event type se. After THE. Moment Tensor Solution. s16 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.70 $M_{\theta\phi}$1.88 $M_{\phi r}$0.34 Best double couple: NP1:ϕ_s0.00000° ,δ69.00000°,λ167.00000°. NP2:ϕ_s95.00000°,δ78.00000°,λ21.00000°. Principal axes: T 2.0500,Plg23.0000°,Azm319.0000°; N 0.0100,Plg66.0000°,Azm124.0000° ; P -2.0600,Plg6.0000°,Azm226.0000° M_o2.10000×10^{16}
MOS Error ellipse: s-maj=3.7km s-min=2.4km az=86.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c25; s91,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.08 $M_{\theta\theta}$0.42±.08; $M_{\phi\phi}$-0.46±.08; $M_{r\theta}$-0.04±.17; $M_{\theta\phi}$2.23±.07; $M_{\phi r}$-0.18±.17; Best double couple: NP1:ϕ_s186.00000°,δ89.00000°,λ175.00000°. NP2:ϕ_s276.00000°,δ85.00000°,λ1.00000°. Principal axes: T 2.2610,Plg4.0000° ,Azm141.0000°; N 0.0390,Plg85.0000°,Azm358.0000°; P -2.3010,Plg3.0000°,Azm231.0000° M_o2.28100×10^{16}
GII Event type ke.
SIK Error ellipse: s-maj=169.2km s-min=76.2km az=96.0.
DDA Event type ke.
ISC X 26 23 16 46.4–.63 38.94N–.01 22.90E–.01 19–2 4.5b,3.9s 660 0-138
TIR X 26 23 16 40.5 38.89N 23.01E 4 4.7,3.9s **¶606635599**
IDC X 26 23 16 43.0–.50 38.93N 22.95E 0 4.4,4.3
HLW X 26 23 16 44.0 38.96N 23.13E 10–11 4.6L,4.3
ATH X 26 23 16 44.6 38.96N 22.91E 26–0 4.6L,4.3
MOS X 26 23 16 44.6–.94 39.01N 22.95E 14 4.6b,4.3
ISCJB X 26 23 16 45.4–.19 38.992N–.01 22.92E–.01 22–1 4.4b,3.8s
NEIC X 26 23 16 45.3–.00 38.96N 22.89E 17 4.6L,4.5W
PDG X 26 23 16 45.5–.60 39.01N 22.98E 17–0 4.4L,4.5W
THE X 26 23 16 45.3 38.96N 22.89E 17–0 4.4L,4.5W
GCMT X 26 23 16 46.3–.40 38.81N–.03 23.03E–.05 29–0 4.8W,4.5W
DDA X 26 23 17 00.6 39.00N 24.51E 25 3.9L,4.5W
ISC Event type ke.
IDC Error ellipse: s-maj=11.0km s-min=10.1km az=120.0.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=274.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=4.1km s-min=2.5km az=95.6.
ISCJB Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=44.7.
NEIC Event type se. After THE. Moment Tensor Solution. s30 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.05 $M_{\theta\theta}$5.99 $M_{\phi\phi}$-1.94 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.81 $M_{\phi r}$3.63 Best double couple: NP1:ϕ_s233.00000° ,δ56.00000°,λ-137.00000°. NP2:ϕ_s115.00000°,δ56.00000°,λ-43.00000°. Principal axes: T 6.0700,Plg0.0000°,Azm174.0000°; N 0.7500,Plg37.0000°,Azm264.0000° ; P -6.8200,Plg53.0000°,Azm84.0000° M_o6.50000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=37.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c23; s56,c79;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.27±.18 $M_{\theta\theta}$1.83±.10; $M_{\phi\phi}$0.44±.10; $M_{r\theta}$0.19±.11; $M_{\theta\phi}$-0.12±.06; $M_{\phi r}$-0.10±.15; Best double couple: NP1:ϕ_s277.00000°,δ48.00000°,λ-88.00000°. NP2:ϕ_s93.00000°,δ42.00000°,λ-93.00000°. Principal axes: T 1.8490,Plg3.0000°,Azm5.0000° ; N 0.4320,Plg2.0000°,Azm95.0000°; P -2.2820,Plg87.0000°,Azm217.0000° M_o2.06500×10^{16}
DDA Event type ke.
THE X 28 10 32 48.6 40.49N 21.78E 15–2 1.9L
SKO X 28 10 32 47.9 40.35N 21.70E 2 2.2L,1.6 **¶603002224**
ATH X 28 10 32 48.5 40.49N 21.78E 16–5 1.9L,1.6
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=186.0.
ATH Event type ke. Error ellipse: s-maj=5.9km s-min=1.3km az=186.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH X 31 19 10 39.4 38.66N 23.10E 16–3 1.3L
¶603911757
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.5km az=307.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 11 09 25 01.3–.82 38.64N–.02 22.04E–.02 91–5 4.1b 340 0-44
IDC XI 11 09 24 28.8–9.3 35.97N 20.05E 0 4.3b,4.2 **¶601991700**
ISCJB XI 11 09 25 00.0–.19 38.66N–.01 22.04E–.02 98–2 4.1b,4.2
ATH XI 11 09 25 01.1 38.64N 22.11E 84–1 3.6L,4.2
THE XI 11 09 25 02.3 38.64N 22.13E 79–1 3.5L,4.2
PDG XI 11 09 25 02.4–.35 39.08N 21.75E 5–1 3.9L,4.2
TIR XI 11 09 25 04.3 38.92N 21.89E 48 3.6,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=172.1km s-min=44.1km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=149.0.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=238.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=241.0.
PDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=90.0.
ISC XI 11 22 41 02.1–1.0 39.20N–.01 21.58E–.01 6–9 234 0-8
TIR XI 11 22 40 03.2 39.17N 21.70E 15 3.9 **¶606794800**
ISCJB XI 11 22 41 01.4–.36 39.23N–.01 21.58E–.02 1–3 3.9
ATH XI 11 22 41 01.6 39.23N 21.58E 20–1 3.1L
THE XI 11 22 41 02.0 39.21N 21.56E 0–2 3.1L
PDG XI 11 22 41 02.5–.74 39.22N 21.57E 8–1 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=37.8.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=211.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=264.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
ATH XI 13 08 53 50.6 38.70N 22.87E 12–3 1.6L
¶603912207
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=111.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH XI 14 06 51 57.3 39.20N 22.06E 37–3 2.6L
¶603912241
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=2.1km az=266.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH XI 14 07 24 37.6 38.78N 20.53E 10–31 1.3L
¶603912243
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.6km az=0.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH XI 17 09 55 45.1 38.32N 22.08E 9–3 1.0L
¶603912355
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=61.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 18 01 02 19.5–.86 38.29N–.02 20.41E–.03 12–5 3.6b 113 0-46
ISCJB XI 18 01 02 17.5–.72 38.26N–.03 20.26E–.03 4–4 3.5b **¶602389592**
THE XI 18 01 02 18.7 38.24N 20.32E 3–1 3.4L
ATH XI 18 01 02 18.4 38.24N 20.35E 11–1 3.2L
IDC XI 18 01 02 23.4–1.8 38.42N 20.46E 46–27 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=38.3.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=56.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=64.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=24.7km s-min=12.5km az=8.0.
ISC XI 19 17 38 40.4–.94 40.76N–.02 21.38E–.02 6–6 44 0-2
ATH XI 19 17 38 38.9 40.81N 21.32E 32–3 2.0L **¶603002699**
SKO XI 19 17 38 39.7 40.79N 21.39E 12 2.4L,2.0
ISCJB XI 19 17 38 40.1–.40 40.78N–.03 21.40E–.04 11–4 2.4L,2.0
THE XI 19 17 38 40.6 40.79N 21.40E 6–1 2.0L,2.0
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.3km az=170.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=28.5.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=310.0.
ISC XI 19 17 41 49.8–2.9 40.8N–.20 21.28E–.09 6 8 0-1
SKO XI 19 17 41 48.0 40.75N 21.47E 15 1.7L,1.3 **¶607167751**
ISC Event type ke.
ISC XI 25 20 05 56.7–1.1 40.87N–.04 21.09E–.04 16–8 24 0-2
ISCJB XI 25 20 05 56.9–.60 40.88N–.03 21.10E–.04 6–5 **¶603912678**
ATH XI 25 20 05 56.4 40.89N 21.11E 19–1 1.9L
TIR XI 25 20 05 56.7 40.86N 21.06E 6 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=15.3.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=133.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 25 20 18 44.8–.82 40.90N–.01 21.09E–.01 14–6 282 0-10
ATH XI 25 20 18 43.4 40.92N 21.11E 21–1 3.5L **¶606794649**
ISCJB XI 25 20 18 43.7–.28 40.92N–.01 21.08E–.02 7–2 3.5L
SKO XI 25 20 18 43.2 40.89N 21.04E 23 3.3L,2.8
TIR XI 25 20 18 43.1 40.89N 21.06E 3 3.7,2.8
PDG XI 25 20 18 44.1–.45 40.91N 21.07E 13–0 3.5L,2.8
THE XI 25 20 18 44.0 40.92N 21.09E 0–1 3.3L,2.8
BEO XI 25 20 18 44.8–1.0 40.87N 21.11E 17–7 3.2L,2.8
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=148.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=151.9.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=293.0.
BEO Event type ke.
ISC XI 25 23 48 43.5–.82 40.90N–.01 21.07E–.01 13–6 190 0-10
TIR XI 25 23 48 41.7 40.92N 21.05E 3 3.5 **¶606794653**

ATH	XI	25 23 48 42.4	40.88N	21.07E	22–1	2.9L		
SKO	XI	25 23 48 42.2	40.91N	21.06E	22	2.7L,2.1		
PDG	XI	25 23 48 43.6–.52	40.95N	21.10E	8–0	3.0L,2.1		
THE	XI	25 23 48 43.2	40.91N	21.09E	5–1	2.9L,2.1		
BEO	XI	25 23 48 44.2–.20	40.93N	21.13E	7–3	2.7L,2.1		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=159.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.

PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.

THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=7.0.

BEO Event type ke.

ISC	**XI**	**26 01 23 37.4–.87**	**40.86N–.02**	**21.09E–.02**	**11–7**		**75**	**0-3**
SKO	XI	26 01 23 35.9	40.89N	21.05E	20	1.8L,1.5		**¶603002773**
TIR	XI	26 01 23 36.9	40.86N	21.06E	7	2.5,1.5		
ATH	XI	26 01 23 36.4	40.90N	21.12E	18–0	2.0L,1.5		
ISCJB	XI	26 01 23 37.0–.35	40.89N–.02	21.10E–.03	6–3	2.0L,1.5		
THE	XI	26 01 23 37.2	40.85N	21.08E	13–1	2.3L,1.5		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=143.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=38.3.

THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=165.0.

ISC	**XI**	**26 15 18 56.1–.90**	**40.89N–.02**	**21.07E–.02**	**11–7**		**99**	**0-3**
ATH	XI	26 15 18 54.6	40.91N	21.06E	21–1	2.9L		**¶602042716**
SKO	XI	26 15 18 54.8	40.89N	21.08E	20	2.6L,2.0		
ISCJB	XI	26 15 18 55.2–.36	40.92N–.01	21.06E–.02	4–3	2.6L,2.0		
THE	XI	26 15 18 55.0	40.94N	21.05E	1–1	2.8L,2.0		
BEO	XI	26 15 18 56.1–.30	40.95N	21.06E	3–4	2.6L,2.0		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.2km az=139.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=7.1.

THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=307.0.

BEO Event type ke.

ISC	**XI**	**26 19 02 39.3–.99**	**40.90N–.03**	**21.04E–.04**	**14–8**		**30**	**0-4**
SKO	XI	26 19 02 37.3	40.88N	21.06E	31	1.1L,0.6		**¶604158783**
THE	XI	26 19 02 39.1	40.87N	21.07E	17–2	1.6L,0.6		
BEO	XI	26 19 03 11.4–.50	42.93N	21.92E	0–4	1.5L,0.6		

ISC Event type ke.

THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.5km az=80.0.

BEO Event type ke.

ISC	**XI**	**26 19 22 26.6–.92**	**40.87N–.02**	**21.05E–.02**	**11–7**		**51**	**0-2**
ATH	XI	26 19 22 24.8	40.95N	21.05E	21–2	2.4L		**¶603002789**
TIR	XI	26 19 22 25.2	40.93N	21.04E	10	3.1		
SKO	XI	26 19 22 25.5	40.89N	21.07E	21	2.0L,1.6		
ISCJB	XI	26 19 22 26.5–.39	40.91N–.02	21.08E–.03	5–4	2.0L,1.6		
THE	XI	26 19 22 26.2	40.91N	21.08E	0–2	2.1L,1.6		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.6km az=132.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=174.8.

THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=335.0.

ATH	**XI**	**27 12 09 08.8**	**38.12N**	**22.07E**	**16–2**	**1.1L**		
								¶603912757

ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=124.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**02 01 40 49.1–.79**	**38.38N–.02**	**22.35E–.01**	**10–5**	**3.6b**	**132**	**0-77**
IDC	XII	02 01 40 47.3–1.1	38.38N	22.31E	0	3.6,3.5		**¶602056184**
ISCJB	XII	02 01 40 48.8–.26	38.40N–.02	22.33E–.02	13–2	3.5b,3.5		
ATH	XII	02 01 40 48.5	38.39N	22.34E	17–1	3.2L,3.5		
THE	XII	02 01 40 49.0	38.39N	22.34E	6–0	3.1L,3.5		
BEO	XII	02 01 41 05.2–1.4	39.74N	22.45E	2	2.4L,3.5		

ISC Event type ke.

IDC Error ellipse: s-maj=20.0km s-min=17.5km az=64.0.

ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=1.3.

ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=332.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=255.0.

BEO Event type ke.

ATH	**XII**	**09 19 10 02.6**	**38.74N**	**23.27E**	**12–4**	**1.6L**		
								¶603913153

ATH Event type ke. Error ellipse: s-maj=4.8km s-min=0.9km az=344.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**09 20 17 55.8–.89**	**40.57N–.02**	**21.63E–.02**	**15–7**		**37**	**0-2**
ISCJB	XII	09 20 17 55.8–.40	40.57N–.02	21.63E–.04	12–5			**¶603002933**
THE	XII	09 20 17 55.9	40.57N	21.64E	14–3	1.9L		
ATH	XII	09 20 17 55.0	40.58N	21.63E	23–2	2.0L		
SKO	XII	09 20 17 56.3	40.52N	21.61E	3	2.0L,1.5		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=149.5.

THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.5km az=240.0.

ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=309.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**15 15 44 53.4–.97**	**40.88N–.02**	**21.05E–.03**	**14–7**		**53**	**0-2**
SKO	XII	15 15 44 52.8	40.90N	21.07E	20	2.3L,1.8		**¶603003014**
ISCJB	XII	15 15 44 53.4–.46	40.89N–.02	21.05E–.04	9–3	2.3L,1.8		
ATH	XII	15 15 44 53.7	40.86N	21.14E	23–1	2.6L,1.8		
THE	XII	15 15 44 53.3	40.90N	21.03E	9–1	2.3L,1.8		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=172.2.

ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=136.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=249.0.

ISC	**XII**	**15 17 28 28.8–1.2**	**40.86N–.02**	**21.05E–.03**	**9–11**		**57**	**0-3**
ISCJB	XII	15 17 28 29.5–.53	40.92N–.02	21.01E–.04	9–4			**¶602545747**
SKO	XII	15 17 28 29.8	40.90N	21.08E	19	2.2L,1.6		
ATH	XII	15 17 28 30.7	40.85N	21.16E	22–1	2.7L,1.6		
THE	XII	15 17 28 30.7	40.88N	21.09E	7–1	2.5L,1.6		
BEO	XII	15 17 28 32.3–1.0	40.96N	21.09E	15	2.2L,1.6		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=8.0.

ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.6km az=149.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=137.0.

BEO Event type ke.

ISC	**XII**	**16 00 17 04.2–.78**	**38.48N–.02**	**20.56E–.02**	**15–5**	**3.9b**	**232**	**0-59**
PDG	XII	16 00 17 02.3–.79	38.49N	20.20E	5–2	3.7L		**¶602043780**
ISCJB	XII	16 00 17 03.3–.41	38.50N–.02	20.38E–.02	14–2	3.7b,3.1s		
THE	XII	16 00 17 04.3	38.46N	20.56E	0–1	3.3L,3.1s		
ATH	XII	16 00 17 04.2	38.45N	20.56E	11–1	3.3L,3.1s		
IDC	XII	16 00 17 07.7–1.4	38.52N	20.44E	41–19	3.6,3.6b		

ISC Event type ke.

PDG Event type ke. Error ellipse: s-maj=1.5km s-min=2.0km az=0.0.

ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=42.3.

THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=220.0.

ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=58.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.

IDC Error ellipse: s-maj=14.7km s-min=10.4km az=13.0.

ISC	**XII**	**17 12 13 38.9–.90**	**38.82N–.02**	**20.58E–.04**	**13–5**		**42**	**0-1**
ISCJB	XII	17 12 13 38.9–.59	38.81N–.03	20.54E–.04	8–4			**¶603003033**
ATH	XII	17 12 13 38.8	38.82N	20.63E	15–2	2.6L		
THE	XII	17 12 13 39.2	38.82N	20.57E	8–1	2.3L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=148.4.

ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=248.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=249.0.

ATH	**XII**	**17 12 13 44.0**	**38.32N**	**22.04E**	**11–3**	**1.4L**		
								¶603913352

ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=95.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**18 07 59 37.9–.80**	**38.92N–.03**	**22.14E–.03**	**89–5**	**3.7b**	**170**	**0-44**
IDC	XII	18 07 59 36.1–2.6	39.10N	22.31E	51–32	3.7,3.6		**¶602051952**
ISCJB	XII	18 07 59 37.3–.25	38.94N–.02	22.12E–.02	95–2	3.6b,3.6		
ATH	XII	18 07 59 39.0	38.90N	22.21E	80–2	3.5L,3.6		
THE	XII	18 07 59 39.6	38.91N	22.20E	79–0	3.4L,3.6		
PDG	XII	18 07 59 39.5–.41	38.93N	22.16E	79–1	4.1L,3.6		

ISC Event type ke.

IDC Error ellipse: s-maj=29.9km s-min=21.0km az=42.0.

ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=139.1.

ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=289.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=241.0.

PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.

ATH	**XII**	**24 10 24 26.7**	**38.60N**	**23.66E**	**14–3**	**2.1L**		
THE	XII	24 10 24 27.2	38.58N	23.65E	7–3	2.1L		**¶603003098**

ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.6km az=55.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.3km az=41.0.

ATH	**XII**	**26 03 16 31.1**	**38.88N**	**23.21E**	**12–3**	**1.1L**		
								¶603913526

ATH Event type ke. Error ellipse: s-maj=9.0km s-min=1.2km az=110.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**27 23 20 54.8–.63**	**38.22N–.01**	**21.86E–.01**	**13–3**	**4.0b**	**384**	**0-146**
ATH	XII	27 23 20 53.8	38.22N	21.85E	20–1	3.8L		**¶602060034**
IDC	XII	27 23 20 53.1–.64	38.25N	21.91E	0	4.1,4.0		
NEIC	XII	27 23 20 53.8–.00	38.22N	21.85E	20	4.1b,4.0L		
PDG	XII	27 23 20 54.4–.46	38.22N	21.89E	10–0	3.8L,4.0L		
THE	XII	27 23 20 54.1	38.22N	21.86E	15–0	3.8L,4.0L		
ISCJB	XII	27 23 20 54.0–.24	38.22N–.01	21.83E–.01	13–1	4.1b,4.0L		
MOS	XII	27 23 20 55.4–.93	38.26N	21.92E	22	4.2b,4.0L		

ISC Event type fe.

ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=281.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.

IDC Error ellipse: s-maj=13.5km s-min=12.9km az=175.0.

NEIC Event type fe. Felt at Paralia. After ATH. Moment Tensor Solution. Best double couple: NP1: ϕ=280.00000°,δ30.00000°,λ-118.00000°. NP2:ϕ=131.00000°,δ64.00000°,λ-75.00000°. Principal axes: T 1.4200,Plg18.0000°,Azm210.0000°; N -0.3000,Plg13.0000°,Azm305.0000° ; P -1.1200,Plg67.0000°,Azm70.0000°

PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.

THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=15.0.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=43.1.

MOS Error ellipse: s-maj=6.5km s-min=3.1km az=81.4.

ISC	**XII**	**27 23 24 13.5–.70**	**38.22N–.02**	**21.85E–.02**	**13–4**	**3.7b**	**124**	**0-146**
IDC	XII	27 23 24 11.9–.99	38.24N	21.86E	0	3.8,3.7		**¶602380741**
IASPE	XII	27 23 24 13.4–.80	38.22N–.02	21.85E–.02	13–4	3.7b,3.7		
ISCJB	XII	27 23 24 13.4–.28	38.23N–.02	21.84E–.02	14–2	3.6b,3.7		
ATH	XII	27 23 24 13.4	38.22N	21.86E	14–1	3.5L,3.7		
THE	XII	27 23 24 13.7	38.22N	21.85E	11–0	3.5L,3.7		

ISC Event type ke.

IDC Error ellipse: s-maj=21.6km s-min=19.1km az=125.0.

IASPE Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=107.8. GT5 selection from ISC bulletin. GT5 identified by Bond˜ir and McLaughlin (2009) selection criteria. Bond˜ir and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.

ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=169.6.

ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=34.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=10.0.

ISC	**XII**	**28 05 50 37.7–.68**	**40.76N–.01**	**21.39E–.01**	**6–3**	**3.5b**	**247**	**0-71**
SKO	XII	28 05 50 36.9	40.75N	21.39E	15	3.7L,2.8		**¶602090259**
IDC	XII	28 05 50 36.6–1.0	40.67N	21.39E	0	3.7s,3.7		
TIR	XII	28 05 50 36.9	40.81N	21.36E	10	3.7,3.7		
BEO	XII	28 05 50 37.7–.50	40.76N	21.29E	0	2.8L,3.7		
IASPE	XII	28 05 50 37.7–.81	40.76N–.02	21.39E–.02	6–4	3.5b,3.7		
ISCJB	XII	28 05 50 37.5–.27	40.79N–.01	21.41E–.02	4–2	4.2s,3.4b		
ATH	XII	28 05 50 37.4	40.79N	21.41E	12–1	3.5L,3.4b		
THE	XII	28 05 50 37.8	40.77N	21.36E	6–0	3.4L,3.4b		
PDG	XII	28 05 50 38.0–.34	40.77N	21.41E	10–0	3.6L,3.4b		

ISC Event type ke.

IDC Error ellipse: s-maj=20.6km s-min=13.0km az=127.0.

BEO Event type ke.

IASPE Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=91.2. GT5 selection from ISC bulletin. GT5 identified by Bond˜ir and McLaughlin (2009) selection criteria. Bond˜ir and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.

ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=148.3.

ATH Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=331.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=270.0.

PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.

ISC	**XII**	**28 07 17 52.7–.83**	**38.22N–.02**	**21.85E–.02**	**13–5**		**73**	**0-3**
IASPE	XII	28 07 17 52.7–.91	38.22N–.02	21.86E–.02	12–5			**¶603003178**
ISCJB	XII	28 07 17 52.8–.30	38.22N–.02	21.85E–.03	11–2			
ATH	XII	28 07 17 52.7	38.22N	21.85E	13–1	2.1L		
THE	XII	28 07 17 53.0	38.22N	21.85E	8–1	2.3L		
SKO	XII	28 07 18 24.6	40.51N	21.48E	28	1.6L,1.1		

ISC Event type ke.

IASPE Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=106.4. GT5 selection from ISC bulletin. GT5 identified by Bond˜ir and McLaughlin (2009) selection criteria. Bond˜ir and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.

ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=17.7.

ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=54.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=19.0.

ISC	**XII**	**29 05 36 06.1–.92**	**40.74N–.02**	**21.38E–.03**	**3–6**		**32**	**0-2**
SKO	XII	29 05 36 05.1	40.73N	21.39E	15	2.0L,1.5		**¶603003208**
ATH	XII	29 05 36 05.9	40.77N	21.36E	8–2	2.6L,1.5		
ISCJB	XII	29 05 36 06.1–.42	40.76N–.02	21.38E–.04	6–5	2.6L,1.5		
THE	XII	29 05 36 06.4	40.75N	21.38E	4–0	1.7L,1.5		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.7km az=320.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=3.3.

THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=11.0.

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ISC	**VII**	**05 02 20 10.5–1.1**	**38.07N–.02**	**25.62E–.01**	**7–9**		**129**	**0-3**
ISK	VII	05 02 20 09.9	38.09N	25.56E	12–0	2.3L		**¶603142401**
ATH	VII	05 02 20 11.5	38.03N	25.60E	20–2	2.2L		
ISCJB	VII	05 02 20 11.4–.51	38.07N–.02	25.64E–.02	14–4	2.2L		
THE	VII	05 02 20 11.8	38.10N	25.61E	28–1	2.1L		
CSEM	VII	05 02 20 12.0–.13	38.08N	25.64E	20	2.1L		
DDA	VII	05 02 20 13.3	37.89N	25.79E	6	2.7L		

ISC Event type ke.

ISK Event type ke.

ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=91.0.

ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=136.4.

THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=46.0.

CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=134.0.

ISC	**VII**	**10 00 10 33.9–.81**	**38.29N–.02**	**26.52E–.02**	**17–5**		**68**	**0-2**
DDA	VII	10 00 10 32.4	38.31N	26.39E	15	2.7L		**¶601830883**
ISK	VII	10 00 10 33.7	38.22N	26.54E	5–0	2.2L		
ATH	VII	10 00 10 33.3	38.29N	26.59E	32–3	2.0L		
CSEM	VII	10 00 10 34.2–.22	38.27N	26.51E	15	2.2L		
ISCJB	VII	10 00 10 34.4–.41	38.29N–.03	26.54E–.03	14–3	2.2L		
THE	VII	10 00 10 34.0	38.31N	26.56E	23–2	1.7L		

ISC Event type ke.

DDA Event type ke.

ISK Event type ke.

ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.6km az=216.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=35.6.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=235.0.
ISC VII 11 11 28 17.8–.97 38.18N–.04 26.79E–.03 16–6 32 0-2
ISK VII 11 11 28 17.7 38.22N 26.83E 19–4 2.5L **¶601830953**
ISCJB VII 11 11 28 18.1–.66 38.19N–.04 26.78E–.05 12–4 2.5L
DDA VII 11 11 28 18.4 38.19N 26.82E 7 2.4L
CSEM VII 11 11 28 18.1–.30 38.19N 26.77E 12 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=22.0.
ATH VII 16 09 06 39.4 38.17N 25.73E 44–2 1.9L
CSEM VII 16 09 06 40.9–1.2 38.21N 25.69E 36–10 1.9L **¶603225599**
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.4km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=45.5km s-min=17.3km az=47.0.
ISC VII 19 07 45 39.8–1.1 38.12N–.02 25.65E–.02 14–9 72 0-2
ATH VII 19 07 45 39.6 38.09N 25.73E 33–4 2.6L **¶601831374**
DDA VII 19 07 45 39.7 38.19N 25.58E 7 3.4L
ISK VII 19 07 45 39.5 38.12N 25.61E 7–0 2.4L
ISCJB VII 19 07 45 40.3–.57 38.10N–.02 25.66E–.04 10–4 2.4L
CSEM VII 19 07 45 40.5–.19 38.10N 25.65E 12 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=0.9km az=70.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=29.7.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=122.0.
ISC VII 23 05 59 52.6–.80 39.39N–.02 25.96E–.02 13–5 103 0-2
ISK VII 23 05 59 51.9 39.38N 25.94E 13–0 2.3L **¶601831557**
ISCJB VII 23 05 59 52.5–.42 39.38N–.02 25.97E–.03 10–3 2.3L
THE VII 23 05 59 52.5 39.40N 25.97E 2–1 2.1L
ATH VII 23 05 59 53.0 39.37N 25.95E 11–5 2.1L
CSEM VII 23 05 59 52.4–.10 39.38N 25.95E 11–0 2.3L
DDA VII 23 05 59 52.9 39.46N 26.02E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=175.2.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=187.0.
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=0.9km az=193.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=75.0.
DDA Event type ke.
ISC VII 27 23 56 03.9–.85 39.06N–.02 25.74E–.02 16–6 61 0-2
ATH VII 27 23 56 03.3 39.05N 25.76E 29–2 2.2L **¶601831840**
DDA VII 27 23 56 03.3 39.01N 25.71E 7 3.2L
ISK VII 27 23 56 03.7 39.06N 25.72E 13–0 2.4L
CSEM VII 27 23 56 04.2–.12 39.05N 25.74E 15 2.2L
ISCJB VII 27 23 56 04.8–.44 39.04N–.03 25.74E–.04 16–10 2.2L
THE VII 27 23 56 04.2 39.03N 25.75E 12–1 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=124.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=19.9.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=85.0.
ISC VII 27 23 56 48.6–.96 38.95N–.03 26.28E–.04 11 24 0-1
ISK VII 27 23 56 48.9 38.95N 26.31E 13–6 2.4L **¶601831843**
ISCJB VII 27 23 56 49.3–.67 38.95N–.03 26.28E–.07 11 2.4L
CSEM VII 27 23 56 49.4–.16 38.95N 26.29E 15 2.3
DDA VII 27 23 56 51.4 38.95N 26.81E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.3km az=2.3.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.8km az=80.0.
ISC VII 30 22 39 13.3–.88 39.03N–.02 25.74E–.02 13–7 78 0-2
ISCJB VII 30 22 39 12.9–.52 39.03N–.02 25.73E–.03 5–4 **¶601831980**
DDA VII 30 22 39 12.8 39.04N 25.74E 7 2.9L
ISK VII 30 22 39 12.5 39.02N 25.75E 9–0 2.5L
CSEM VII 30 22 39 13.1–.16 39.03N 25.73E 5 2.3L
ATH VII 30 22 39 13.2 39.05N 25.74E 15–3 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=18.4.
DDA Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=84.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=80.0.
ISC VII 31 23 55 09.8–.95 39.03N–.01 25.74E–.01 13–7 3.2b 462 0-42
IDC VII 31 23 55 08.8–1.1 38.99N 25.75E 0 3.6L,3.5 **¶601650855**
ISCJB VII 31 23 55 09.4–.34 39.04N–.01 25.71E–.01 12–2 3.2b,3.1s
ATH VII 31 23 55 09.3 39.05N 25.76E 29–0 3.7L,3.1s
ISK VII 31 23 55 09.1 39.02N 25.69E 16–0 4.0L,3.1s
DDA VII 31 23 55 09.4 39.04N 25.70E 39 3.6L,3.1s
CSEM VII 31 23 55 10.4–.06 39.01N 25.74E 15 3.7L,3.1s
THE VII 31 23 55 10.4 39.04N 25.75E 14–0 3.7L,3.1s
BEO VII 31 23 55 12.2–1.2 39.23N 25.84E 10 3.2L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=14.4km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=33.7.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=81.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=178.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=90.0.
BEO Event type ke.
ISC VIII 02 10 30 40.6–.88 39.27N–.01 23.71E–.01 7–6 3.8b 346 0-77
DDA VIII 02 10 30 31.5 39.32N 23.12E 6 3.7L **¶601506109**
ATH VIII 02 10 30 39.6 39.27N 23.72E 25–0 4.1L
NEIC VIII 02 10 30 39.8–.00 39.27N 23.71E 24 4.2L,4.1L
BEO VIII 02 10 30 39.6–.70 39.33N 23.87E 0 3.8L,4.1L
ISCJB VIII 02 10 30 40.1–.29 39.296N–.01 23.74E–.01 13–2 3.7b,4.1L
PDG VIII 02 10 30 40.0–.48 39.28N 23.76E 11–0 4.0L,4.1L
IDC VIII 02 10 30 40.3–.92 39.29N 23.63E 0 3.9,3.8
THE VIII 02 10 30 40.8 39.26N 23.71E 13–1 4.1L,3.8
TIR VIII 02 10 30 44.9 39.45N 23.08E 2 4.1,3.8
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=292.0.
NEIC Event type se. After THE.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=177.9.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=15.6km s-min=14.8km az=118.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=202.0.
ISC VIII 03 04 15 45.8–.84 39.53N–.01 25.98E–.02 16–6 165 0-11
ISK VIII 03 04 15 44.9 39.53N 25.95E 5–0 3.7L **¶601734748**
ISCJB VIII 03 04 15 45.3–.35 39.51N–.01 25.94E–.02 6–3 3.7L
DDA VIII 03 04 15 45.1 39.52N 25.98E 26 3.6L
ATH VIII 03 04 15 45.3 39.49N 25.98E 27–0 3.3L
THE VIII 03 04 15 46.1 39.53N 25.98E 3–1 3.0L
BEO VIII 03 04 15 53.3–1.6 39.57N 25.08E 19–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=168.4.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=72.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=95.0.
BEO Event type ke.
ATH VIII 05 01 57 44.2 38.69N 25.25E 15–7 1.5L
¶603226463
ATH Event type ke. Error ellipse: s-maj=7.4km s-min=1.0km az=130.0.
ISC VIII 06 15 22 12.0–.52 38.75N–.02 24.83E–.01 14–3 4.1b,3.6s 494 0-77
BJI VIII 06 15 22 05.3 38.48N 24.10E 10 4.9b,4.7b **¶601521135**

ISK VIII 06 15 22 10.9 38.77N 24.84E 16–0 4.1L,4.7b
IDC VIII 06 15 22 10.3–.74 38.80N 24.77E 0 4.0,3.9
PDG VIII 06 15 22 11.4–.64 38.77N 24.86E 18–1 3.8L,3.9
BEO VIII 06 15 22 11.2–1.0 38.81N 25.02E 0 3.9L,3.9
NEIC VIII 06 15 22 11.4–.49 38.73N 24.83E 10–3 4.6b,4.2L
ATH VIII 06 15 22 11.1 38.75N 24.83E 29–0 4.1L,4.2L
DDA VIII 06 15 22 11.9 38.86N 24.94E 25 4.1L,4.2L
ISCJB VIII 06 15 22 12.1–.29 38.78N–.01 24.84E–.01 26–2 4.2b,3.6s
THE VIII 06 15 22 12.1 38.73N 24.84E 13–0 4.2L,3.6s
MOS VIII 06 15 22 13.0–.99 38.76N 24.83E 33 4.2b,3.6s
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=12.2km az=103.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.3km az=176.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{15}Nm; M_{rr}0.21 $M_{\theta\theta}$1.10 $M_{\phi\phi}$-1.31 $M_{r\theta}$-0.21 $M_{\theta r}$1.88 $M_{\phi r}$0.15 Best double couple: NP1:ϕ_s197.00000°,δ84.00000°,λ-179.00000°. NP2:ϕ_s106.00000° ,δ89.00000°,λ-6.00000°. Principal axes: T 2.1300,Plg3.0000°,Azm152.0000° ; N 0.2200,Plg84.0000°,Azm275.0000°; P -2.3600,Plg5.0000°,Azm61.0000° $M_0$2.30000×10^{15}
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=5.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=177.8.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=226.0.
MOS Error ellipse: s-maj=8.4km s-min=5.6km az=86.0.
DDA VIII 10 18 58 32.5 38.68N 26.40E 7 2.6L
¶602995496
DDA Event type ke.
ISC VIII 13 00 50 50.2–.93 40.04N–.03 25.57E–.02 16–7 38 0-2
ISK VIII 13 00 50 47.6 39.88N 25.64E 5–0 1.9L **¶601888989**
ATH VIII 13 00 50 50.3 40.00N 25.49E 25–1 1.5L
DDA VIII 13 00 50 52.1 39.89N 25.63E 7 2.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=209.0.
DDA Event type ke.
ISC VIII 15 22 42 07.6–.81 38.64N–.02 26.65E–.02 11–5 84 0-8
ISCJB VIII 15 22 42 07.5–.31 38.65N–.02 26.63E–.03 11–2 **¶601889267**
ATH VIII 15 22 42 07.7 38.64N 26.58E 34–4 3.1L
DDA VIII 15 22 42 07.9 38.64N 26.72E 7 3.5L
ISK VIII 15 22 42 07.3 38.65N 26.67E 10–0 3.1L
THE VIII 15 22 42 07.7 38.65N 26.67E 6–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=171.0.
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.5km az=261.0.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=248.0.
ISC VIII 16 01 28 51.2–.99 38.01N–.02 25.96E–.03 17–8 67 0-3
ISCJB VIII 16 01 28 50.8–.53 38.01N–.02 25.91E–.03 7–4 **¶601889352**
ATH VIII 16 01 28 50.5 38.01N 25.95E 31–2 2.3L
ISK VIII 16 01 28 50.7 38.03N 25.89E 10–0 2.2L
THE VIII 16 01 28 51.7 38.00N 25.99E 17–1 2.3L
DDA VIII 16 01 28 52.4 38.04N 26.06E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=26.5.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.2km az=78.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=55.0.
DDA Event type ke.
ISC VIII 16 05 45 08.7–1.1 38.64N–.03 26.63E–.04 15–10 17 0-2
ATH VIII 16 05 45 08.8 38.63N 26.60E 28–11 1.6L **¶602545108**
DDA VIII 16 05 45 08.4 38.66N 26.65E 7 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=11.5km s-min=1.1km az=258.0.
DDA Event type ke.
ISC VIII 20 17 48 38.6–.89 38.63N–.02 26.60E–.02 18–3 99 0-3
ATH VIII 20 17 48 38.7 38.65N 26.68E 33–4 3.3L **¶601889889**
DDA VIII 20 17 48 38.2 38.63N 26.60E 31 3.5L
ISK VIII 20 17 48 38.9 38.63N 26.64E 12–0 3.2L
IASPE VIII 20 17 48 38.8–.91 38.64N–.02 26.60E–.03 18–4 3.2L
ISCJB VIII 20 17 48 39.7–.27 38.62N–.02 26.61E–.03 17–3 3.2L
THE VIII 20 17 48 39.7 38.63N 26.64E 9–1 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.3km az=254.0.
DDA Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=86.1. GT5 selection from ISC bulletin. GT5 identified by Bond˚¡r and McLaughlin (2009) selection criteria. Bond˚¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=163.4.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=262.0.
ISC VIII 25 21 02 02.6–.88 38.04N–.02 26.95E–.02 7–6 63 0-2
THE VIII 25 21 02 02.6 38.03N 26.95E 0–1 2.2L **¶601890146**
ATH VIII 25 21 02 02.2 38.06N 26.99E 8–2 2.3L
DDA VIII 25 21 02 02.8 38.04N 26.91E 6 2.9L
ISK VIII 25 21 02 02.6 38.04N 26.92E 9–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=68.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=268.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 26 16 36 10.8–.89 39.41N–.02 25.72E–.02 13–7 64 0-3
ISCJB VIII 26 16 36 10.7–.48 39.41N–.02 25.71E–.03 7–3 **¶601890184**
ATH VIII 26 16 36 10.2 39.39N 25.70E 23–2 2.1L
ISK VIII 26 16 36 10.1 39.41N 25.68E 9–0 2.5L
DDA VIII 26 16 36 10.0 39.42N 25.71E 7 2.6L
THE VIII 26 16 36 11.1 39.41N 25.72E 8–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=166.4.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=79.0.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=164.0.
ISC VIII 26 19 36 44.4–1.3 38.71N–.02 26.06E–.03 9–11 50 0-2
DDA VIII 26 19 36 44.5 38.71N 26.08E 7 2.6L **¶601890187**
ISCJB VIII 26 19 36 45.6–.42 38.72N–.02 26.09E–.03 6–4 2.6L
THE VIII 26 19 36 45.5 38.71N 26.14E 9–1 1.9L
ATH VIII 26 19 36 45.3 38.69N 26.08E 26–2 2.0L
ISK VIII 26 19 36 45.2 38.73N 26.11E 7–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=168.6.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=271.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=273.0.
ISK Event type ke.
ISC VIII 26 23 41 22.5–.88 39.41N–.02 25.72E–.03 14–7 60 0-2
ISCJB VIII 26 23 41 22.4–.49 39.41N–.02 25.69E–.03 5–4 **¶601890193**
THE VIII 26 23 41 22.8 39.41N 25.71E 9–1 1.6L
ATH VIII 26 23 41 22.1 39.39N 25.72E 24–1 1.7L
ISK VIII 26 23 41 22.3 39.44N 25.71E 12–0 1.9L
DDA VIII 26 23 41 22.2 39.40N 25.71E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=156.8.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=209.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=100.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 27 00 35 09.4–.95 38.71N–.02 26.12E–.02 15–7 3.4b 327 0-44

DDA VIII 27 00 35 07.3 38.68N 25.99E 29 3.7L **¶601627720**
IDC VIII 27 00 35 07.9–.92 38.74N 26.12E 0 3.5L,3.4
ATH VIII 27 00 35 08.2 38.69N 26.14E 31–0 3.7L,3.4
ISK VIII 27 00 35 08.7 38.75N 26.06E 11–0 4.0L,3.4
ISCJB VIII 27 00 35 09.5–.27 38.70N–.01 26.11E–.02 26–3 3.3b,3.4
THE VIII 27 00 35 09.5 38.71N 26.12E 11–0 3.7L,3.4
MOS VIII 27 00 35 10.6–1.7 38.73N 26.16E 36 4.0b,3.4
SOF VIII 27 00 35 14.2 39.25N 26.08E 2 3.6,3.4
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=13.4km az=117.0.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=82.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=13.4.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=75.0.
MOS Error ellipse: s-maj=16.3km s-min=8.4km az=63.1.
ISC VIII 27 01 18 03.6–1.0 38.72N–.02 26.05E–.03 15–9 47 0-2
ISCJB VIII 27 01 18 03.3–.52 38.71N–.02 25.99E–.04 9–4 **¶601890197**
ATH VIII 27 01 18 03.1 38.69N 26.01E 30–1 2.0L
DDA VIII 27 01 18 03.5 38.74N 26.08E 7 2.6L
ISK VIII 27 01 18 03.8 38.74N 26.09E 7–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=165.2.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=80.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 27 02 36 07.9–.95 38.71N–.01 26.07E–.02 18–6 123 0-4
ATH VIII 27 02 36 07.1 38.69N 26.13E 31–0 2.5L **¶601890201**
ISK VIII 27 02 36 07.4 38.72N 26.05E 14–0 2.8L
DDA VIII 27 02 36 07.0 38.72N 26.07E 4 2.9L
ISCJB VIII 27 02 36 08.5–.28 38.70N–.01 26.06E–.02 23–3 2.9L
THE VIII 27 02 36 08.7 38.70N 26.02E 15–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=265.0.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=9.8.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=85.0.
ISC VIII 27 12 19 55.0–.89 39.44N–.02 25.85E–.02 12–7 63 0-3
ISCJB VIII 27 12 19 54.8–.46 39.44N–.02 25.86E–.03 6–3 **¶601890227**
ATH VIII 27 12 19 54.8 39.43N 25.86E 16–2 2.1L
DDA VIII 27 12 19 54.8 39.40N 25.95E 7 2.8L
ISK VIII 27 12 19 54.8 39.46N 25.86E 7–0 2.6L
THE VIII 27 12 19 55.0 39.44N 25.86E 9–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=164.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=237.0.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=212.0.
ISC VIII 29 16 25 56.6–.94 38.88N–.02 25.98E–.02 14–8 75 0-3
ISK VIII 29 16 25 55.8 38.85N 25.97E 9–0 3.2L **¶601890330**
ISCJB VIII 29 16 25 56.2–.44 38.87N–.02 25.97E–.03 5–3 3.2L
ATH VIII 29 16 25 56.4 38.88N 25.98E 21–5 2.8L
DDA VIII 29 16 25 56.1 38.87N 25.95E 9 3.3L
THE VIII 29 16 25 57.6 38.91N 26.00E 11–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=162.4.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.2km az=331.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=64.0.
ISC VIII 31 17 19 23.5–1.1 38.04N–.02 25.54E–.02 16–10 41 1-2
ISK VIII 31 17 19 23.4 38.05N 25.50E 5–0 2.5L **¶601890422**
ATH VIII 31 17 19 23.4 38.04N 25.56E 33–3 2.7L
ISCJB VIII 31 17 19 24.6–.43 38.05N–.03 25.51E–.03 20–6 2.7L
THE VIII 31 17 19 24.1 38.04N 25.55E 16–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=143.6.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=63.0.
ISK IX 02 18 42 13.6 38.19N 26.86E 14–0 1.6L
¶602077411
ISK Event type ke.
ISC IX 02 20 18 35.6–.85 38.17N–.02 26.83E–.02 14–6 115 0-4
ISK IX 02 20 18 34.9 38.17N 26.84E 14–0 3.5L **¶602029005**
ISCJB IX 02 20 18 35.2–.31 38.16N–.02 26.81E–.02 13–2 3.5L
THE IX 02 20 18 35.1 38.18N 26.83E 0–3 3.0L
ATH IX 02 20 18 35.5 38.14N 26.86E 40–1 3.0L
DDA IX 02 20 18 35.9 38.19N 26.83E 7 3.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=167.7.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=1.4km az=74.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=83.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC IX 03 10 10 19.6–.86 39.37N–.02 25.90E–.02 16–6 62 0-3
ISCJB IX 03 10 10 19.7–.43 39.37N–.02 25.88E–.03 4–3 **¶602077424**
DDA IX 03 10 10 19.2 39.38N 25.93E 32 3.0L
ISK IX 03 10 10 19.4 39.38N 25.90E 4–0 3.3L
ATH IX 03 10 10 20.0 39.38N 25.89E 10–3 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=172.8.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=176.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 06 04 27 20.4–.90 39.48N–.02 25.82E–.03 14–8 55 0-2
ATH IX 06 04 27 20.0 39.48N 25.81E 25–2 2.6L **¶602029259**
ISK IX 06 04 27 19.9 39.49N 25.78E 8–0 2.7L
ISCJB IX 06 04 27 20.4–.44 39.49N–.02 25.82E–.04 6–4 2.7L
THE IX 06 04 27 20.6 39.49N 25.82E 1–1 2.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=110.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=172.7.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=109.0.
ISC IX 07 22 32 16.4–.77 38.25N–.02 26.59E–.02 17–4 154 0-9
ATH IX 07 22 32 15.9 38.27N 26.61E 31–1 3.3L **¶602029383**
DDA IX 07 22 32 15.0 38.26N 26.59E 23 3.8L
IASPE IX 07 22 32 16.3–.77 38.26N–.02 26.61E–.02 16–3 3.8L
THE IX 07 22 32 16.6 38.25N 26.64E 14–0 3.4L
ISK IX 07 22 32 16.3 38.26N 26.65E 5–0 3.8L
ISCJB IX 07 22 32 16.3–.29 38.24N–.01 26.59E–.02 12–2 3.8L
ISC Event type ke.
ATH Event type ke. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
THE Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 08 06 05 57.0–.80 38.26N–.02 26.62E–.02 15–4 45 0-2
ISK IX 08 06 05 56.9 38.24N 26.65E 5–0 2.5L **¶602029409**
ISCJB IX 08 06 05 57.5–.36 38.28N–.02 26.64E–.03 10–3 2.5L
ATH IX 08 06 05 57.3 38.33N 26.67E 17–4 2.3L
THE IX 08 06 05 57.6 38.23N 26.60E 22–2 2.3L
DDA IX 08 06 05 57.5 38.26N 26.66E 9 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=137.8.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.3km az=342.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.4km az=232.0.
DDA Event type ke.
ISC IX 08 21 17 20.6–.91 38.22N–.02 26.58E–.02 12–7 91 0-4
ISCJB IX 08 21 17 20.9–.39 38.24N–.02 26.56E–.03 10–3 **¶602029454**
ATH IX 08 21 17 20.9 38.25N 26.58E 35–2 2.9L
ISK IX 08 21 17 21.0 38.25N 26.61E 8–0 3.2L
THE IX 08 21 17 21.1 38.29N 26.67E 8–2 3.0L
DDA IX 08 21 17 23.2 38.26N 26.80E 6 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=148.9.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=79.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.4km az=240.0.
DDA Event type ke.
ISC IX 09 04 11 56.6–.92 40.01N–.02 25.61E–.02 15–8 43 0-2
ISK IX 09 04 11 55.9 40.00N 25.61E 5–0 2.1L **¶602077664**
ISCJB IX 09 04 11 56.6–.44 39.99N–.02 25.58E–.03 5–4 2.1L
ATH IX 09 04 11 56.1 39.98N 25.54E 27–2 1.8L
DDA IX 09 04 11 56.7 40.03N 25.61E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=157.8.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=226.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC IX 09 19 30 21.8–.43 40.01N–.02 24.71E–.01 10 4.1s,3.8b 391 0-96
IDC IX 09 19 30 19.9–.66 40.03N 24.70E 0 4.1,4.0 **¶601697112**
ISCJB IX 09 19 30 20.4–.13 40.04N–.01 24.68E–.01 10 4.0s,3.9b
ATH IX 09 19 30 20.7 40.00N 24.72E 28–0 4.5L,3.9b
NEIC IX 09 19 30 20.6–.00 40.00N 24.72E 28 4.5L,4.2L
PDG IX 09 19 30 20.5–.59 40.02N 24.67E 13–0 4.0L,4.2L
THE IX 09 19 30 21.2 40.00N 24.71E 11–0 4.2L,4.2L
BEO IX 09 19 30 24.0–2.8 40.21N 24.61E 4–0 4.2L,4.2L
DDA IX 09 19 31 06.1 39.97N 24.99E 20 4.6L,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=10.7km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=36.0.
ATH Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=19.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After ATH.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=45.0.
BEO Event type ke.
DDA Event type ke.
ISC IX 09 19 38 54.4–1.0 39.98N–.02 24.70E–.02 14–9 97 0-8
ATH IX 09 19 38 53.8 39.98N 24.69E 28–1 3.0L **¶602029506**
THE IX 09 19 38 54.7 39.99N 24.68E 12–1 2.8L
ISK IX 09 19 38 54.3 39.97N 24.72E 17–0 3.0L
DDA IX 09 19 39 12.7 40.09N 24.98E 8 3.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=40.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=71.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 09 19 47 46.7–.97 39.98N–.02 24.72E–.01 15–7 3.5b 207 0-42
IDC IX 09 19 47 44.3–1.0 39.96N 24.58E 0 3.7s,3.7 **¶601863256**
ISCJB IX 09 19 47 46.0–.42 40.03N–.01 24.69E–.02 7–3 3.2b,3.7
ISK IX 09 19 47 46.5 40.01N 24.73E 10–0 3.8L,3.7
ATH IX 09 19 47 46.3 39.99N 24.73E 30–1 3.8L,3.7
BEO IX 09 19 47 46.3–1.3 40.00N 24.75E 4–6 3.8L,3.7
THE IX 09 19 47 47.2 40.01N 24.71E 12–0 3.8L,3.7
DDA IX 09 19 47 57.3 40.02N 24.87E 31 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=15.3km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=16.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=45.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=25.0.
DDA Event type ke.
ISC IX 12 11 18 05.7–.89 38.34N–.02 25.96E–.03 13–5 45 0-2
DDA IX 12 11 18 04.7 38.36N 25.89E 6 2.8L **¶602029687**
ATH IX 12 11 18 05.7 38.32N 26.00E 15–3 2.5L
ISK IX 12 11 18 05.7 38.33N 25.95E 8–0 2.5L
ISCJB IX 12 11 18 06.1–.50 38.33N–.02 25.96E–.03 8–3 2.5L
THE IX 12 11 18 06.3 38.35N 25.97E 10–1 2.4L
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=85.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=161.2.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=69.0.
ATH IX 13 18 40 07.2 39.67N 23.25E 29–1 2.1L
THE IX 13 18 40 08.3 39.69N 23.25E 13–1 2.2L **¶602029802**
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=142.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=135.0.
ISC IX 13 21 46 04.4–.99 38.68N–.02 25.94E–.02 18–3 128 0-4
DDA IX 13 21 46 02.2 38.67N 25.77E 34 3.1L **¶602029812**
ATH IX 13 21 46 03.6 38.66N 25.92E 29–0 2.8L
ISK IX 13 21 46 03.8 38.67N 25.92E 20–0 3.1L
ISCJB IX 13 21 46 04.8–.28 38.66N–.02 25.91E–.02 25–3 3.1L
THE IX 13 21 46 04.8 38.65N 25.90E 14–1 3.1L
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=87.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=13.1.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=81.0.
ISC IX 14 03 30 20.2–.87 40.46N–.02 25.78E–.02 14–6 80 0-3
ISCJB IX 14 03 30 19.8–.38 40.46N–.02 25.81E–.02 8–3 **¶602029826**
ATH IX 14 03 30 19.3 40.47N 25.82E 27–1 2.3L
ISK IX 14 03 30 19.5 40.47N 25.82E 6–0 2.6L
THE IX 14 03 30 20.3 40.46N 25.80E 6–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=31.6.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=49.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=348.0.
ISC IX 14 17 00 09.4–.95 38.64N–.01 25.89E–.02 18–4 163 0-8
ISK IX 14 17 00 08.9 38.69N 25.87E 14–0 3.6L **¶602029866**
DDA IX 14 17 00 08.9 38.69N 25.85E 34 3.4L
ATH IX 14 17 00 09.1 38.67N 25.95E 31–0 3.4L
ISCJB IX 14 17 00 10.3–.27 38.68N–.01 25.90E–.02 24–3 3.4L
THE IX 14 17 00 10.3 38.67N 25.94E 12–0 3.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.

ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=82.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=178.9.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=81.0.
ISC IX 16 01 38 29.6–.90 39.48N–.02 25.78E–.02 13–7 77 0-3
ISK IX 16 01 38 27.7 39.45N 25.62E 8–0 2.7L **¶602030013**
ISCJB IX 16 01 38 29.7–.42 39.48N–.02 25.80E–.03 11–3 2.7L
THE IX 16 01 38 29.8 39.49N 25.77E 1–2 2.2L
ATH IX 16 01 38 29.4 39.50N 25.81E 35–3 2.3L
DDA IX 16 01 39 10.0 39.55N 25.86E 11 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=162.8.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=215.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=132.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
DDA IX 19 03 55 30.9 38.20N 26.74E 7 1.4L ¶603000440
DDA Event type ke.
ISC IX 19 03 56 15.7–.90 39.70N–.01 23.24E–.02 16–7 100 0-7
ATH IX 19 03 56 15.3 39.69N 23.24E 30–1 2.7L **¶602030460**
ISCJB IX 19 03 56 16.5–.29 39.70N–.01 23.27E–.03 20–4 2.7L
THE IX 19 03 56 16.0 39.71N 23.25E 8–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=232.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=179.1.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=185.0.
ISC IX 21 09 02 18.6–1.6 38.69N–.04 25.97E–.09 13–15 14 0-1
ISK IX 21 09 02 18.8 38.72N 26.05E 4–0 2.3L **¶602078342**
DDA IX 21 09 02 18.2 38.70N 25.94E 7 2.5L
ISCJB IX 21 09 02 19.4–.89 38.70N–.04 26.0E–.10 10–9 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 23 18 32 45.4–.93 40.23N–.02 25.23E–.02 14–8 53 0-2
DDA IX 23 18 32 44.0 40.22N 25.23E 7 2.7L **¶602030814**
ISCJB IX 23 18 32 44.6–.54 40.23N–.02 25.21E–.03 3–4 2.7L
ATH IX 23 18 32 44.5 40.22N 25.19E 27–1 1.6L
THE IX 23 18 32 45.8 40.23N 25.26E 5–10 1.5L
ISK IX 23 18 32 45.4 40.22N 25.29E 8–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=34.7.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=83.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=10.0km s-min=0.6km az=165.0.
ISK Event type ke.
ISC IX 23 23 51 58.2–1.3 38.27N–.03 25.52E–.03 15–11 28 0-2
ATH IX 23 23 51 57.8 38.25N 25.54E 25–4 1.8L **¶602078492**
ISK IX 23 23 51 57.8 38.28N 25.47E 9–0 1.7L
ISCJB IX 23 23 51 59.1–.51 38.28N–.03 25.51E–.04 23–7 1.7L
DDA IX 23 23 51 59.6 38.21N 25.59E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.1km az=9.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.9km az=2.5.
DDA Event type ke.
ISC IX 24 19 18 38.6–.74 39.01N–.01 23.15E–.01 14–5 3.8b 369 0-120
TIR IX 24 19 18 35.4 37.99N 22.07E 7 3.9 **¶606542148**
PDG IX 24 19 18 37.9–.45 39.07N 23.24E 12–0 4.1L
ATH IX 24 19 18 37.5 39.03N 23.16E 23–0 3.9L
ISCJB IX 24 19 18 38.4–.19 39.043N–.01 23.17E–.01 20–2 3.7b,2.9s
THE IX 24 19 18 38.3 39.02N 23.13E 9–0 3.9L,2.9s
BEO IX 24 19 18 40.3–1.1 39.25N 23.14E 0 3.5L,2.9s
IDC IX 24 19 18 42.4–1.2 38.95N 23.25E 48–16 3.7,3.7
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=216.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=168.3.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=5.0.
BEO Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=10.4km az=88.0.
ISC IX 25 00 41 32.9–.93 40.29N–.02 25.60E–.03 11–7 41 0-2
ISCJB IX 25 00 41 32.6–.43 40.30N–.02 25.59E–.03 8–3 **¶602078539**
ATH IX 25 00 41 32.8 40.30N 25.58E 14–5 1.5L
ISK IX 25 00 41 32.3 40.28N 25.60E 9–0 2.0L
DDA IX 25 00 41 34.7 40.28N 25.84E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=167.3.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=0.9km az=316.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISC IX 25 05 02 27.8–.90 38.67N–.02 26.67E–.04 10–6 24 0-1
ISCJB IX 25 05 02 28.0–.45 38.69N–.02 26.64E–.05 7–4 **¶602078548**
ISK IX 25 05 02 27.3 38.68N 26.67E 10–0 1.7L
DDA IX 25 05 02 28.1 38.68N 26.65E 8 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.6km az=19.3.
ISK Event type ke.
DDA Event type ke.
ISC IX 25 08 08 06.2–.89 39.62N–.02 25.90E–.02 14–7 128 0-6
ISCJB IX 25 08 08 05.8–.36 39.61N–.01 25.83E–.02 10–3 **¶602030942**
ATH IX 25 08 08 05.8 39.61N 25.90E 32–1 3.1L
DDA IX 25 08 08 05.3 39.61N 25.86E 22 3.4L
ISK IX 25 08 08 05.7 39.64N 25.84E 11–0 3.6L
THE IX 25 08 08 06.6 39.63N 25.86E 10–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=158.9.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=239.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=134.0.
ISC IX 26 03 17 25.4–.86 38.64N–.02 26.64E–.02 12–6 162 0-8
DDA IX 26 03 17 25.0 38.64N 26.65E 26 3.7L **¶602031011**
ISCJB IX 26 03 17 25.7–.28 38.64N–.01 26.63E–.02 13–2 3.7L
ATH IX 26 03 17 25.7 38.63N 26.69E 35–2 3.2L
ISK IX 26 03 17 25.5 38.67N 26.66E 8–0 3.5L
THE IX 26 03 17 26.4 38.65N 26.63E 11–1 3.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=0.2.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=262.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=249.0.
ISC IX 26 08 03 19.0–1.1 38.19N–.02 25.60E–.03 18–3 48 0-2
ATH IX 26 08 03 18.3 38.18N 25.60E 30–1 2.2L **¶602031027**
THE IX 26 08 03 18.9 38.18N 25.62E 8–3 2.0L
ISK IX 26 08 03 19.2 38.16N 25.63E 20–0 2.8L
DDA IX 26 08 03 20.9 38.58N 25.73E 2 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=110.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=126.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 26 10 45 43.8–.89 39.03N–.02 25.98E–.02 14–7 100 0-3
ISCJB IX 26 10 45 42.9–.43 39.03N–.02 25.92E–.03 5–3 **¶602031040**
ATH IX 26 10 45 42.7 39.02N 26.06E 29–2 3.1L
DDA IX 26 10 45 42.5 39.01N 25.90E 27 3.6L
ISK IX 26 10 45 43.7 39.04N 26.01E 14–0 3.4L
THE IX 26 10 45 44.3 39.06N 26.00E 10–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=160.8.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.2km az=76.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=84.0.
ISC IX 26 10 52 33.4–.93 39.54N–.02 25.97E–.03 11–8 65 0-2
ATH IX 26 10 52 32.8 39.52N 25.96E 26–1 2.0L **¶602031041**
ISK IX 26 10 52 32.8 39.56N 25.94E 8–0 2.5L
ISCJB IX 26 10 52 33.0–.44 39.53N–.02 25.96E–.03 4–4 2.5L
THE IX 26 10 52 33.5 39.54N 25.97E 0–1 1.9L
DDA IX 26 10 52 33.1 39.52N 26.01E 7 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=235.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=175.3.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=89.0.
DDA Event type ke.
ISC IX 27 19 06 58.4–1.4 40.00N–.03 25.59E–.03 12–12 22 0-2
DDA IX 27 19 06 57.8 40.01N 25.59E 1 2.5L **¶603000823**
ISCJB IX 27 19 06 58.9–.53 39.99N–.03 25.59E–.04 3–6 2.5L
ATH IX 27 19 06 58.7 39.99N 25.60E 20–3 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=136.2.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=270.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 29 03 26 53.6–.87 38.68N–.02 26.60E–.03 13–6 30 0-1
ISCJB IX 29 03 26 54.0–.41 38.68N–.02 26.64E–.04 6–5 **¶602078765**
ATH IX 29 03 26 53.9 38.65N 26.60E 31–1 1.9L
DDA IX 29 03 26 53.8 38.68N 26.65E 7 3.0L
ISK IX 29 03 26 53.3 38.69N 26.60E 12–2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=166.1.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=255.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISC IX 29 04 00 50.2–.90 38.69N–.02 26.61E–.03 12–6 32 0-2
ISCJB IX 29 04 00 50.7–.40 38.66N–.02 26.63E–.04 7–4 **¶602078766**
DDA IX 29 04 00 50.6 38.66N 26.65E 7 2.5L
ISK IX 29 04 00 50.1 38.66N 26.63E 10–3 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=8.7.
DDA Event type ke.
ISK Event type ke.
ISC IX 29 08 07 17.2–.97 38.88N–.02 26.38E–.03 12–8 58 0-2
ISK IX 29 08 07 16.8 38.87N 26.38E 5–0 2.8L **¶602031271**
ISCJB IX 29 08 07 17.4–.35 38.87N–.02 26.39E–.03 10–3 2.8L
ATH IX 29 08 07 17.1 38.87N 26.37E 28–1 2.4L
THE IX 29 08 07 18.3 38.87N 26.31E 12–1 2.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=174.6.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=268.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=264.0.
ISC X 02 18 41 25.3–1.0 38.75N–.02 25.21E–.02 16–9 48 1-2
ISK X 02 18 41 23.8 38.79N 25.15E 7–0 2.0L **¶602078955**
DDA X 02 18 41 24.6 38.75N 25.20E 7 2.8L
ATH X 02 18 41 25.1 38.76N 25.20E 28–2 2.0L
ISCJB X 02 18 41 26.4–.39 38.73N–.03 25.20E–.03 24–5 2.0L
THE X 02 18 41 26.1 38.73N 25.20E 16–2 2.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=16.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=168.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=259.0.
ISC X 04 13 44 07.9–.88 38.85N–.02 26.45E–.02 14–7 96 0-3
ISK X 04 13 44 06.8 38.85N 26.40E 6–0 3.2L **¶602079062**
ISCJB X 04 13 44 07.7–.32 38.84N–.01 26.43E–.02 8–3 3.2L
THE X 04 13 44 07.5 38.84N 26.42E 0–1 2.6L
ATH X 04 13 44 07.0 38.85N 26.49E 24–1 2.7L
DDA X 04 13 44 07.8 38.84N 26.46E 7 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=169.5.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=83.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=258.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC X 04 14 46 28.9–1.1 38.83N–.02 26.45E–.04 8–10 27 0-2
ATH X 04 14 46 27.7 38.90N 26.54E 25–4 1.8L **¶603001171**
DDA X 04 14 46 28.6 38.84N 26.41E 17 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.4km az=279.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC X 06 13 43 45.1–1.5 40.41N–.04 25.99E–.04 12–12 20 0-1
ISCJB X 06 13 43 46.0–.53 40.37N–.02 25.95E–.03 6–6 **¶603001264**
ATH X 06 13 43 46.0 40.37N 25.96E 10–31 1.8L
DDA X 06 13 43 47.5 40.33N 26.11E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=155.7.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.0km az=0.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC X 06 20 37 09.8–.95 40.24N–.02 25.27E–.02 10–6 4.3b,3.5s 588 0-88
DDA X 06 20 37 06.6 40.19N 25.23E 6 4.5L,3.5s **¶601794202**
IDC X 06 20 37 08.0–.71 40.18N 25.20E 0 3.9,3.9L
ATH X 06 20 37 09.0 40.28N 25.25E 29–0 3.9L,3.9L
NEIC X 06 20 37 09.0–1.4 40.23N 25.28E 2–10 4.4b,4.3L
ISK X 06 20 37 09.3 40.28N 25.29E 20–0 4.7L,4.3L
ISCJB X 06 20 37 09.7–.25 40.27N–.01 25.27E–.01 22–2 4.2b,3.4s
PDG X 06 20 37 09.9–.67 40.25N 25.30E 22–1 3.9L,3.4s
MOS X 06 20 37 09.8–1.2 40.38N 25.34E 23 4.4b,3.4s
THE X 06 20 37 09.7 40.25N 25.30E 10–0 3.9L,3.4s
BJI X 06 20 37 10.0 40.20N 25.20E 9 4.9b,4.6b
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=10.4km az=179.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=60.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=191.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=22.4.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
MOS Error ellipse: s-maj=5.3km s-min=4.4km az=101.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=62.0.

ISC	**X**	**07 07 03 14.6–.89**	**40.26N–.02**	**25.31E–.02**	**14–7**		**64**	**0-3**
ATH	X	07 07 03 13.8	40.27N	25.34E	26–2	2.2L		**¶602079230**
ISK	X	07 07 03 13.6	40.23N	25.28E	14–0	2.6L		
THE	X	07 07 03 14.7	40.26N	25.30E	11–0	2.1L		
ISCJB	X	07 07 03 15.1–.34	40.28N–.02	25.32E–.03	18–5	2.1L		
DDA	X	07 07 03 30.8	39.91N	26.69E	7	2.3L		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=66.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.

THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=76.0.

ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=44.6.

DDA Event type ke.

ISC	**X**	**07 18 35 50.4–.94**	**38.69N–.02**	**25.50E–.04**	**17–7**		**40**	**0-2**
ATH	X	07 18 35 49.4	38.69N	25.41E	18–2	2.0L		**¶602079252**
ISCJB	X	07 18 35 50.2–.66	38.70N–.03	25.49E–.05	10–5	2.0L		
THE	X	07 18 35 50.4	38.69N	25.48E	9–1	1.8L		
ISK	X	07 18 35 50.2	38.70N	25.53E	19–0	2.5L		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=85.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=22.2.

THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=129.0.

ISK Event type ke.

ISC	**X**	**07 19 21 27.1–.94**	**39.42N–.02**	**26.00E–.03**	**11–8**		**35**	**0-2**
ISCJB	X	07 19 21 26.9–.50	39.42N–.02	25.96E–.04	5–4			**¶602079253**
DDA	X	07 19 21 26.4	39.39N	25.99E	7	2.5L		
ISK	X	07 19 21 26.7	39.41N	26.00E	5–0	2.1L		
ATH	X	07 19 21 27.3	39.42N	25.95E	12–5	1.6L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=9.8.

DDA Event type ke.

ISK Event type ke.

ATH Event type ke. Error ellipse: s-maj=6.0km s-min=0.9km az=130.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**X**	**09 02 41 04.2–.95**	**40.24N–.03**	**25.31E–.03**	**14–8**		**36**	**0-2**
ATH	X	09 02 41 03.3	40.26N	25.34E	25–1	1.8L		**¶602079325**
ISCJB	X	09 02 41 04.2–.44	40.24N–.02	25.29E–.03	7–4	1.8L		
ISK	X	09 02 41 04.5	40.25N	25.36E	5–0	2.2L		
DDA	X	09 02 41 06.4	40.23N	25.46E	7	2.5L		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=83.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=35.8.

ISK Event type ke.

DDA Event type ke.

ISC	**X**	**09 03 42 38.7–.85**	**38.44N–.02**	**26.40E–.03**	**17–6**		**41**	**0-2**
ISCJB	X	09 03 42 39.0–.38	38.42N–.02	26.40E–.03	13–2			**¶602079328**
ATH	X	09 03 42 38.2	38.41N	26.35E	30–1	2.1L		
ISK	X	09 03 42 38.6	38.44N	26.41E	13–0	2.3L		
DDA	X	09 03 42 38.2	38.44N	26.40E	18	2.7L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=167.5.

ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=263.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.

DDA Event type ke.

ISC	**X**	**11 21 55 41.0–.93**	**40.28N–.03**	**25.51E–.03**	**12–8**		**33**	**0-2**
ISCJB	X	11 21 55 40.9–.42	40.27N–.02	25.52E–.03	6–4			**¶602079516**
ISK	X	11 21 55 40.6	40.25N	25.52E	8–0	1.8L		
DDA	X	11 21 55 40.5	40.43N	25.73E	7	2.5L		
ATH	X	11 21 55 41.2	40.29N	25.51E	13–5	1.4L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=155.8.

ISK Event type ke.

DDA Event type ke.

ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.0km az=49.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**X**	**14 23 24 31.4–1.9**	**38.93N–.03**	**26.77E–.04**	**14–15**		**24**	**0-2**
ATH	X	14 23 24 30.7	38.97N	26.79E	40–6	1.5L		**¶603001627**
ISCJB	X	14 23 24 32.3–.66	38.94N–.02	26.75E–.04	8–6	1.5L		
DDA	X	14 23 24 32.0	38.96N	26.82E	7	2.5L		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=8.0km s-min=1.4km az=279.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=13.0.

DDA Event type ke.

ISC	**X**	**15 01 35 32.5–1.4**	**40.41N–.03**	**25.96E–.02**	**2–12**		**38**	**0-2**
ATH	X	15 01 35 32.9	40.43N	25.98E	24–1	2.0L		**¶603001643**
ISCJB	X	15 01 35 33.1–.51	40.44N–.02	25.97E–.02	6–4	2.0L		
DDA	X	15 01 35 34.5	40.40N	26.14E	7	2.8L		

ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=242.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=28.6.

DDA Event type ke.

THE	**X**	**18 19 27 39.9**	**39.40N**	**25.58E**	**7–1**	**2.2L**		
DDA	X	18 19 27 37.9	39.39N	25.49E	17	2.7L		**¶603001785**
ATH	X	18 19 27 39.8	39.40N	25.55E	11–6	2.2L		

THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=78.0.

DDA Event type ke.

ATH Event type ke. Error ellipse: s-maj=6.2km s-min=0.8km az=68.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**X**	**20 23 28 49.3–.97**	**38.81N–.02**	**24.93E–.02**	**14–8**		**239**	**0-24**
DDA	X	20 23 28 45.6	38.90N	24.77E	17	3.4L		**¶601874183**
ISCJB	X	20 23 28 49.0–.47	38.84N–.01	24.93E–.01	15–4	3.9b		
THE	X	20 23 28 49.9	38.81N	24.90E	17–0	3.5L		
ATH	X	20 23 28 49.0	38.82N	24.91E	32–1	3.4L		
ISK	X	20 23 28 49.3	38.86N	24.93E	22–0	3.7L		

ISC Event type ke.

DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=165.5.

THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=313.0.

ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=44.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.

ISC	**X**	**24 11 34 47.8–.82**	**38.66N–.02**	**26.66E–.02**	**11–5**		**50**	**0-2**
IASPE	X	24 11 34 47.8–.85	38.66N–.02	26.66E–.03	11–5			**¶602080253**
ISCJB	X	24 11 34 47.9–.31	38.66N–.02	26.66E–.03	9–3			
ISK	X	24 11 34 47.7	38.64N	26.67E	7–0	2.5L		
ATH	X	24 11 34 47.3	38.67N	26.65E	26–4	2.3L		
DDA	X	24 11 34 47.6	38.65N	26.70E	7	2.7L		

ISC Event type ke.

IASPE Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=98.4. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.

ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=5.6.

ISK Event type ke.

ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.3km az=250.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.

DDA Event type ke.

ISC	**X**	**26 10 23 25.4–.85**	**38.25N–.02**	**26.01E–.03**	**13–6**		**49**	**0-2**
ISCJB	X	26 10 23 25.7–.47	38.24N–.02	26.01E–.04	11–4			**¶602080368**
THE	X	26 10 23 25.7	38.26N	25.98E	12–1	2.3L		
ATH	X	26 10 23 25.0	38.27N	26.05E	28–2	2.5L		
ISK	X	26 10 23 25.2	38.23N	26.00E	10–0	2.8L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=0.9.

THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=82.0.

ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=45.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.

ISC	**X**	**26 15 23 48.8–.91**	**38.26N–.02**	**26.02E–.03**	**13–5**		**69**	**0-3**
ISK	X	26 15 23 47.7	38.20N	25.96E	5–0	2.7L		**¶602080375**
ISCJB	X	26 15 23 48.5–.53	38.23N–.02	25.97E–.03	5–4	2.7L		
DDA	X	26 15 23 48.7	38.31N	26.04E	10	3.1L		
THE	X	26 15 23 49.3	38.26N	26.04E	9–0	2.5L		
ATH	X	26 15 23 49.5	38.27N	26.07E	11–3	2.6L		

ISC Event type ke.

ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=146.2.

DDA Event type ke.

THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=64.0.

ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=30.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**13 14 34 29.1–.80**	**38.46N–.02**	**26.36E–.02**	**17–5**		**151**	**0-9**
DDA	XI	13 14 34 26.8	38.42N	26.23E	28	3.8L		**¶602081340**
ISCJB	XI	13 14 34 28.8–.24	38.45N–.01	26.33E–.02	21–2	3.8L		
ATH	XI	13 14 34 28.3	38.44N	26.32E	31–0	3.7L		
ISK	XI	13 14 34 28.7	38.50N	26.36E	13–0	3.8L		
THE	XI	13 14 34 29.8	38.46N	26.34E	18–1	3.6L		

ISC Event type ke.

DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=180.0.

ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=256.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.

THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=257.0.

THE	**XI**	**15 01 37 41.7**	**40.36N**	**25.84E**	**16–1**	**1.8L**		
ATH	XI	15 01 37 41.2	40.37N	25.83E	27–1	2.0L		**¶603002643**

THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=190.0.

ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=314.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**15 11 04 07.2–.96**	**38.76N–.03**	**26.66E–.04**	**9–6**		**28**	**0-2**
ISK	XI	15 11 04 06.7	38.78N	26.67E	6–0	2.5L		**¶602081614**
ISCJB	XI	15 11 04 07.4–.53	38.77N–.03	26.64E–.05	6–5	2.5L		
DDA	XI	15 11 04 07.6	38.73N	26.68E	7	2.6L		

ISC Event type ke.

ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=3.7.

DDA Event type ke.

ISC	**XI**	**19 07 09 40.7–.95**	**40.11N–.01**	**24.08E–.02**	**8–7**	**3.5b,2.8s**	**196**	**0-42**
ISK	XI	19 07 09 38.7	40.11N	24.09E	7–0	3.8L,2.8s		**¶601992861**
ISCJB	XI	19 07 09 39.7–.45	40.13N–.01	24.10E–.02	6–3	3.5b,2.9s		
IDC	XI	19 07 09 39.8–1.1	40.11N	24.06E	0	3.7,3.7L		
ATH	XI	19 07 09 40.2	40.12N	24.06E	20–2	3.6L,3.7L		
THE	XI	19 07 09 40.9	40.12N	24.08E	5–0	3.5L,3.7L		
BEO	XI	19 07 09 42.9–.60	40.14N	23.77E	5	3.2L,3.7L		
DDA	XI	19 07 09 50.8	40.27N	23.89E	11	3.7L,3.7L		

ISC Event type ke.

ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=176.3.

IDC Error ellipse: s-maj=17.0km s-min=14.6km az=80.0.

ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=341.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=338.0.

BEO Event type ke.

DDA Event type ke.

ATH	**XI**	**19 21 50 37.0**	**39.01N**	**23.46E**	**16–4**	**1.4L**		
								¶603912462

ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=328.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**21 00 21 42.5–.99**	**39.78N–.02**	**25.47E–.03**	**12–9**		**33**	**0-3**
ISCJB	XI	21 00 21 42.3–.54	39.79N–.02	25.48E–.04	2–6			**¶602082090**
ATH	XI	21 00 21 42.2	39.79N	25.46E	18–3	2.0L		
ISK	XI	21 00 21 42.2	39.77N	25.51E	6–0	2.5L		
DDA	XI	21 00 21 47.8	39.80N	25.88E	7	2.6L		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=168.5.

ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=289.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.

DDA Event type ke.

ISC	**XI**	**26 01 51 57.0–.96**	**38.85N–.02**	**25.95E–.03**	**14–8**		**68**	**0-2**
DDA	XI	26 01 51 55.4	38.89N	25.88E	21	3.0L		**¶602082659**
ISK	XI	26 01 51 55.3	38.84N	25.84E	7–0	2.7L		
ISCJB	XI	26 01 51 56.7–.54	38.85N–.02	25.93E–.04	6–4	2.7L		
ATH	XI	26 01 51 56.7	38.85N	25.99E	26–1	2.3L		
THE	XI	26 01 51 57.6	38.85N	25.99E	4–1	2.4L		

ISC Event type ke.

DDA Event type ke.

ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=162.5.

ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=81.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=97.0.

ISC	**XI**	**26 01 55 31.9–1.0**	**38.73N–.02**	**26.41E–.03**	**10–8**		**37**	**0-2**
DDA	XI	26 01 55 30.6	38.72N	26.27E	5	2.8L		**¶602082661**
ISK	XI	26 01 55 31.2	38.69N	26.38E	11–0	2.1L		
ISCJB	XI	26 01 55 32.9–.40	38.72N–.02	26.51E–.04	10–3	2.1L		
ATH	XI	26 01 55 32.8	38.71N	26.55E	15–3	1.8L		

ISC Event type ke.

DDA Event type ke.

ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=170.3.

ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.4km az=252.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**03 21 40 16.6–.93**	**39.54N–.01**	**23.47E–.02**	**9–6**	**4.0b,3.4s**	**323**	**0-73**
IDC	XII	03 21 40 14.9–.62	39.58N	23.38E	0	3.9,3.8		**¶601996011**
ATH	XII	03 21 40 15.5	39.53N	23.51E	27–0	4.1L,3.8		
PDG	XII	03 21 40 16.4–.51	39.53N	23.47E	18–0	4.0L,3.8		
THE	XII	03 21 40 16.4	39.54N	23.50E	12–0	4.0L,3.8		
NEIC	XII	03 21 40 18.1–.00	39.54N	23.46E	10	4.1L,4.1L		

ISC Event type ke.

IDC Error ellipse: s-maj=11.4km s-min=10.2km az=104.0.

ATH Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=173.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.

PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.

THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=227.0.

NEIC Event type se. After THE. Moment Tensor Solution. s18 Moment tensor: Scale 10^{15}Nm; M_{rr}0.04 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-1.50 $M_{r\theta}$-0.84 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s327.00000°,δ64.00000°,λ8.00000°. NP2:ϕ_s234.00000°,δ83.00000°,λ154.00000°. Principal axes: T 1.9000,Plg24.0000°,Azm187.0000°; N -0.2300,Plg63.0000°,Azm39.0000°; P -1.6700,Plg13.0000°,Azm283.0000° $M_0$1.80000×10^{15}

ISC	**XII**	**04 09 41 15.0–.95**	**39.53N–.01**	**23.52E–.02**	**11–7**	**3.9b,3.2s**	**182**	**0-73**
BEO	XII	04 09 41 08.2–.90	39.12N	23.75E	0	3.6L,3.2s		**¶602390445**
ISCJB	XII	04 09 41 14.6–.38	39.54N–.01	23.52E–.02	12–3	4.1b,3.2s		
ATH	XII	04 09 41 14.2	39.53N	23.52E	28–0	3.8L,3.2s		
THE	XII	04 09 41 15.1	39.53N	23.50E	15–0	3.7L,3.2s		
IDC	XII	04 09 41 18.6–3.1	39.41N	23.53E	34–27	3.9,3.9		

ISC Event type ke.

BEO Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=3.6.

ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=259.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.

THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=215.0.

IDC Error ellipse: s-maj=21.9km s-min=14.3km az=123.0.

ISC	**XII**	**05 00 50 57.7–.92**	**40.41N–.02**	**25.93E–.02**	**12–8**		**44**	**0-2**
ISK	XII	05 00 50 56.2	40.43N	25.84E	16–0	2.3L		**¶602330119**
ISCJB	XII	05 00 50 57.3–.45	40.40N–.02	25.96E–.03	0–4	2.3L		

ATH XII 05 00 50 57.6 40.39N 25.96E 9–2 1.8L
DDA XII 05 00 50 58.1 40.40N 25.97E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=14.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=89.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XII 06 03 10 43.5–.95 38.00N–.03 26.86E–.03 15–5 34 0-2
ISCJB XII 06 03 10 43.1–.60 37.96N–.03 26.81E–.04 8–3 ¶602330190
ISK XII 06 03 10 43.2 37.99N 26.83E 12–0 2.5L
DDA XII 06 03 10 44.3 38.07N 26.95E 8 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=161.8.
ISK Event type ke.
DDA Event type ke.
ISC XII 07 12 31 39.4–1.0 40.42N–.02 25.91E–.03 19–2 40 0-2
ISK XII 07 12 31 38.5 40.42N 25.80E 8–0 2.8L ¶602330285
ISCJB XII 07 12 31 39.7–.40 40.42N–.02 25.94E–.03 7–4 2.8L
THE XII 07 12 31 40.1 40.40N 25.92E 11–1 2.0L
DDA XII 07 12 31 42.9 40.32N 26.20E 8 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=179.8.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=295.0.
DDA Event type ke.
ATH XII 07 13 00 19.5 39.52N 23.51E 19–4 2.0L
THE XII 07 13 00 19.9 39.53N 23.48E 15–1 1.8L ¶603002901
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.0km az=223.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=220.0.
ISC XII 12 20 57 49.6–1.0 40.56N–.02 25.91E–.02 7–10 46 0-2
ISK XII 12 20 57 48.3 40.56N 25.87E 4–0 2.4L ¶602330576
ISCJB XII 12 20 57 49.1–.45 40.57N–.02 25.88E–.04 2–5 2.4L
ATH XII 12 20 57 49.1 40.57N 25.93E 22–2 1.6L
DDA XII 12 20 57 59.0 40.54N 25.99E 5 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=20.9.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=313.0. Analyst: Daskalaki ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XII 12 21 57 18.3–.86 40.09N–.02 25.04E–.02 13–6 3.5b 255 0-73
BEO XII 12 21 56 55.7–.80 38.67N 26.14E 5 4.2L ¶602330577
ISK XII 12 21 57 15.5 40.10N 24.93E 9–0 4.1L
IDC XII 12 21 57 16.7–.88 40.14N 25.06E 0 3.7,3.6
ISCJB XII 12 21 57 17.4–.46 40.10N–.01 25.04E–.02 13–3 3.4b,3.6
ATH XII 12 21 57 17.2 40.09N 25.02E 24–1 3.7L,3.6
THE XII 12 21 57 18.3 40.10N 25.05E 13–0 3.6L,3.6
DDA XII 12 21 57 26.6 40.15N 26.03E 24 4.0L,3.6
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=13.3km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=19.5.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=66.0. Analyst: Daskalaki ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=38.0.
DDA Event type ke.
ISC XII 14 02 31 52.0–.85 38.83N–.01 26.69E–.02 12–6 128 0-4
ATH XII 14 02 31 51.9 38.83N 26.67E 31–1 3.1L ¶602330634
DDA XII 14 02 31 51.4 38.84N 26.71E 28 3.5L
ISK XII 14 02 31 51.6 38.83N 26.71E 10–0 3.5L
ISCJB XII 14 02 31 52.0–.28 38.82N–.01 26.70E–.02 11–2 3.5L
THE XII 14 02 31 52.0 38.82N 26.70E 2–1 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=263.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=179.7.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=255.0.
ISC XII 14 21 30 44.8–.95 38.85N–.03 26.81E–.06 14–7 18 0-1
ISCJB XII 14 21 30 44.9–.53 38.86N–.03 26.76E–.07 10–5 ¶602984587
DDA XII 14 21 30 44.6 38.86N 26.79E 7 2.5L
ISK XII 14 21 30 44.4 38.84N 26.83E 12–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.1km az=9.5.
DDA Event type ke.
ISK Event type ke.
ATH XII 15 19 48 04.2 38.51N 25.45E 16–3 1.8L
¶603913294
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.9km az=244.0. Analyst: McAris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XII 22 00 44 41.3–.83 38.70N–.02 26.48E–.02 13–6 87 0-2
DDA XII 22 00 44 41.0 38.74N 26.63E 7 3.1L ¶602329140
ATH XII 22 00 44 40.6 38.69N 26.49E 29–1 2.7L
ISCJB XII 22 00 44 41.4–.34 38.69N–.01 26.45E–.02 10–2 2.7L
THE XII 22 00 44 41.7 38.70N 26.44E 10–1 2.7L
ISK XII 22 00 44 41.1 38.70N 26.46E 5–0 3.1L
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=268.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=158.5.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=269.0.
ISK Event type ke.
ISC XII 27 00 00 47.9–.94 38.74N–.02 25.48E–.03 16–8 63 0-2
ISK XII 27 00 00 45.9 38.75N 25.43E 9–0 2.8L ¶602329402
ISCJB XII 27 00 00 47.6–.56 38.76N–.02 25.47E–.03 6–4 2.8L
DDA XII 27 00 00 47.9 38.75N 25.53E 7 2.9L
THE XII 27 00 00 48.0 38.75N 25.46E 5–1 2.4L
ATH XII 27 00 00 48.3 38.75N 25.50E 18–5 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=156.7.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=63.0.
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=1.0km az=178.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.

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ISC VII 01 06 37 46.3–.95 38.54N–.03 39.72E–.02 15–10 46 0-2
ISK VII 01 06 37 45.8 38.56N 39.73E 13–0 2.2L ¶601830362
CSEM VII 01 06 37 46.4–.19 38.54N 39.73E 8 2.2L
DDA VII 01 06 37 46.2 38.50N 39.71E 7 2.7L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=15.0.
ISC VII 01 16 02 38.0–.99 39.01N–.02 43.67E–.02 3–8 111 0-4
CSEM VII 01 16 02 37.8–.26 39.00N 43.71E 2 3.7L ¶601830380
DDA VII 01 16 02 37.1 39.01N 43.67E 5 3.7L
ISK VII 01 16 02 37.2 38.98N 43.68E 4–0 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=106.0.
ISK Event type ke.
ISC VII 01 20 22 15.9–.86 38.73N–.02 42.66E–.02 13–5 50 0-2
ISCJB VII 01 20 22 16.0–.45 38.73N–.03 42.66E–.03 10–4 ¶601830392
CSEM VII 01 20 22 15.8–.16 38.75N 42.67E 12 2.9L
DDA VII 01 20 22 15.2 38.72N 42.64E 7 2.9L
ISK VII 01 20 22 15.4 38.74N 42.68E 10–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=156.5.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=155.0.
ISK Event type ke.
ISC VII 01 21 47 22.5–1.0 38.60N–.03 43.20E–.03 19–2 41 0-1
ISK VII 01 21 47 21.9 38.59N 43.19E 20–0 2.4L ¶601830394
CSEM VII 01 21 47 22.6–.20 38.58N 43.21E 20 2.4L
ISCJB VII 01 21 47 23.1–.54 38.58N–.04 43.22E–.05 24–5 2.4L
DDA VII 01 21 47 23.2 38.61N 43.18E 7 2.7L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=141.1.
ISK VII 01 23 20 03.2 37.08N 28.64E 16–0 2.0L
CSEM VII 01 23 20 03.2 37.08N 28.64E 16 2.0L ¶601830398
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 02 05 13 04.9–1.0 38.61N–.03 43.18E–.02 18–4 30 0-1
CSEM VII 02 05 13 03.8–.39 38.56N 43.23E 24–4 2.3L ¶601830417
ISK VII 02 05 13 03.8 38.63N 43.20E 20–0 2.3L
ISCJB VII 02 05 13 04.3–.88 38.57N–.06 43.24E–.06 29–6 2.3L
DDA VII 02 05 13 05.3 38.62N 43.18E 7 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.5km az=138.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.5km az=145.6.
DDA Event type ke.
ISC VII 02 05 26 03.9–.96 38.71N–.03 43.20E–.03 16–8 30 0-1
DDA VII 02 05 26 03.9 38.74N 43.24E 7 2.7L ¶601830418
ISK VII 02 05 26 03.1 38.69N 43.22E 21–0 2.3L
CSEM VII 02 05 26 04.0–.26 38.72N 43.18E 10 2.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=66.0.
ISC VII 02 09 33 20.9–.82 39.14N–.01 26.49E–.02 13–6 137 0-3
ISK VII 02 09 33 20.0 39.12N 26.47E 5–0 3.3L ¶601830425
CSEM VII 02 09 33 20.8–.12 39.15N 26.49E 5 2.7L
ISCJB VII 02 09 33 20.7–.37 39.14N–.02 26.50E–.02 5–3 2.7L
ATH VII 02 09 33 20.3 39.17N 26.57E 10–4 2.8L
DDA VII 02 09 33 20.2 39.13N 26.49E 7 2.7L
THE VII 02 09 33 22.3 39.13N 26.36E 12–1 2.7L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=158.4.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.1km az=251.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=265.0.
ISC VII 02 12 03 25.0–.98 38.71N–.03 43.07E–.02 12–10 42 0-2
CSEM VII 02 12 03 24.9–.18 38.73N 43.08E 12 2.8L ¶601830433
ISK VII 02 12 03 24.3 38.71N 43.05E 5–0 2.8L
ISCJB VII 02 12 03 25.2–.45 38.72N–.04 43.06E–.03 13–5 2.8L
DDA VII 02 12 03 25.1 38.73N 43.11E 7 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=4.0km az=8.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=10.8.
ISC VII 02 14 15 12.7–.82 39.12N–.01 26.49E–.02 14–6 121 0-2
DDA VII 02 14 15 10.5 39.19N 26.45E 7 3.0L ¶601830437
ATH VII 02 14 15 11.8 39.16N 26.53E 13–3 2.6L
ISK VII 02 14 15 12.1 39.10N 26.48E 9–0 3.0L
CSEM VII 02 14 15 12.6–.11 39.12N 26.49E 8 2.5L
ISCJB VII 02 14 15 12.3–.38 39.12N–.02 26.50E–.03 6–3 2.5L
THE VII 02 14 15 13.4 39.11N 26.42E 10–0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=253.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=161.5.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=264.0.
ISC VII 02 15 15 08.1–1.9 38.48N–.05 43.52E–.07 4–10 22 0-1
ISCJB VII 02 15 15 07.0–1.5 38.47N–.07 43.60E–.08 1–9 ¶601830440
DDA VII 02 15 15 06.4 38.44N 43.59E 7 2.9L
CSEM VII 02 15 15 08.1–.43 38.50N 43.47E 2 2.9L
ISK VII 02 15 15 08.5 38.47N 43.45E 5–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=10.6km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=6.4km az=113.0.
ISK Event type ke.
ISC VII 02 21 19 49.5–1.2 37.76N–.03 29.22E–.03 1–13 45 0-2
CSEM VII 02 21 19 49.5–.24 37.77N 29.21E 2 2.3L ¶601830452
ISK VII 02 21 19 49.9 37.76N 29.15E 6–0 2.3L
DDA VII 02 21 19 49.4 37.75N 29.22E 5 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=176.0.
ISK Event type ke.
ISC VII 02 21 31 43.9–.92 37.80N–.03 27.38E–.03 11–8 33 0-1
ISCJB VII 02 21 31 43.8–.57 37.83N–.04 27.37E–.05 8–7 ¶601830453
DDA VII 02 21 31 43.4 37.83N 27.36E 7 2.6L
ISK VII 02 21 31 43.4 37.82N 27.40E 2–0 2.1L
CSEM VII 02 21 31 44.2–.29 37.81N 27.38E 10 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=39.3.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=116.0.
ISC VII 02 21 38 13.2–.85 39.65N–.02 26.09E–.03 14–6 74 0-3
ISCJB VII 02 21 38 12.9–.46 39.66N–.02 26.09E–.04 9–4 ¶601830454
ATH VII 02 21 38 12.4 39.68N 26.12E 24–2 1.8L
DDA VII 02 21 38 12.9 39.66N 26.12E 7 2.7L
ISK VII 02 21 38 12.2 39.63N 26.09E 8–0 2.6L
CSEM VII 02 21 38 13.0–.16 39.65N 26.07E 10 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=168.6.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=274.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=80.0.
ISC VII 03 09 08 06.6–1.1 38.87N–.02 38.65E–.02 12–10 44 0-1
ISK VII 03 09 08 05.0 38.87N 38.64E 5–0 2.4L ¶601830485
ISCJB VII 03 09 08 06.6–.43 38.87N–.02 38.66E–.03 8–5 2.4L
CSEM VII 03 09 08 06.5–.16 38.87N 38.65E 10 2.9L
DDA VII 03 09 08 06.6 38.87N 38.64E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=4.1km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=13.0.
DDA Event type ke.
ISC VII 03 14 24 26.3–1.0 37.31N–.04 35.16E–.04 8–8 29 0-2
CSEM VII 03 14 24 25.9–.35 37.33N 35.18E 2 2.7L ¶601830501
ISK VII 03 14 24 25.8 37.29N 35.18E 3–0 2.7L
ISCJB VII 03 14 24 26.5–.90 37.30N–.05 35.14E–.07 8–5 2.7L
DDA VII 03 14 24 26.6 37.33N 35.06E 7 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.6km az=128.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.6km az=36.1.
ISC VII 03 14 45 16.4–.99 40.41N–.03 40.08E–.03 4–7 29 0-2
ISK VII 03 14 45 15.7 40.44N 40.08E 4–1 2.4L ¶601830502
ISCJB VII 03 14 45 16.4–.54 40.43N–.03 40.07E–.04 3–8 2.4L
DDA VII 03 14 45 16.5 40.41N 40.05E 7 2.7L
CSEM VII 03 14 45 16.4–.19 40.41N 40.07E 5 2.4L
ISC Event type ke.

ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.6km az=15.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=174.0.
ISC VII 03 15 32 06.5–.84 39.64N–.02 39.75E–.03 12–4 58 0-2
IASPE VII 03 15 32 06.9–.82 39.63N–.02 39.73E–.03 10–5 **¶601830505**
DDA VII 03 15 32 06.6 39.59N 39.72E 5 2.9L
ISCJB VII 03 15 32 07.5–.43 39.61N–.02 39.77E–.03 3–4 2.9L
CSEM VII 03 15 32 07.5–.18 39.61N 39.73E 2 2.9L
ISK VII 03 15 32 07.2 39.60N 39.76E 6–0 2.7L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=71.8. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=150.1.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=75.0.
ISK Event type ke.
DDA VII 03 15 44 06.5 38.08N 42.58E 7 2.5L
CSEM VII 03 15 44 06.5 38.08N 42.58E 7 2.5L **¶605473792**
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISK VII 03 15 44 28.5 37.32N 42.60E 5–0 3.0L
CSEM VII 03 15 44 29.8–.34 37.37N 42.65E 2 3.0L **¶601830506**
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=6.2km az=20.0.
ISC VII 03 18 36 45.1–.85 38.62N–.02 43.19E–.02 13–6 46 0-1
ISK VII 03 18 36 43.8 38.58N 43.16E 14–0 2.6L **¶601830509**
CSEM VII 03 18 36 44.6–.21 38.60N 43.17E 15 2.6L
ISCJB VII 03 18 36 45.5–.46 38.63N–.03 43.15E–.03 7–5 2.6L
DDA VII 03 18 36 45.2 38.65N 43.19E 7 2.7L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=144.3.
DDA Event type ke.
ISC VII 03 19 41 54.6–1.1 38.66N–.02 43.18E–.03 10–9 37 0-1
ISK VII 03 19 41 52.8 38.66N 43.17E 5–0 2.4L **¶601830510**
ISCJB VII 03 19 41 54.4–.48 38.66N–.03 43.18E–.04 12–5 2.4L
CSEM VII 03 19 41 54.0–.22 38.66N 43.18E 10 2.6L
DDA VII 03 19 41 54.2 38.66N 43.20E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.1km az=163.6.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=101.0.
DDA Event type ke.
ISC VII 03 23 18 33.0–.87 38.93N–.03 43.49E–.04 14–6 26 0-1
CSEM VII 03 23 18 32.9–.22 38.95N 43.51E 15 2.5L **¶601830520**
ISK VII 03 23 18 32.6 38.89N 43.51E 18–0 1.9L
ISCJB VII 03 23 18 33.7–.76 38.91N–.04 43.56E–.08 13–6 1.9L
DDA VII 03 23 18 33.9 38.90N 43.55E 7 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=125.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.9km az=21.1.
ISC VII 03 23 20 45.7–.97 40.55N–.02 37.04E–.02 8–8 121 0-53
IDC VII 03 23 20 41.2–2.5 39.98N 37.44E 0 3.6,3.4b **¶601663451**
ISK VII 03 23 20 45.3 40.56N 37.01E 5–0 3.5L,3.4b
DDA VII 03 23 20 45.3 40.57N 37.07E 13 3.5L,3.4b
CSEM VII 03 23 20 46.8–.18 40.56N 36.99E 2 3.5L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=8.1km az=156.0.
ISK Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=33.0.
ISC VII 03 23 26 21.9–.88 40.59N–.03 37.09E–.02 14–7 44 0-2
ISCJB VII 03 23 26 21.9–.49 40.59N–.03 37.09E–.03 8–5 **¶601830521**
CSEM VII 03 23 26 21.9–.15 40.59N 37.09E 10 2.6L
DDA VII 03 23 26 21.4 40.56N 37.09E 7 2.6L
ISK VII 03 23 26 21.6 40.60N 37.09E 7–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=10.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=2.0.
ISK Event type ke.
ISC VII 03 23 28 21.1–.94 40.59N–.03 37.10E–.02 11–7 52 0-2
ISCJB VII 03 23 28 20.7–.52 40.59N–.03 37.10E–.03 5–5 **¶601830522**
CSEM VII 03 23 28 20.8–.14 40.59N 37.10E 5 2.3L
DDA VII 03 23 28 20.4 40.58N 37.10E 7 2.7L
ISK VII 03 23 28 20.6 40.57N 37.08E 6–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=16.0.
ISK Event type ke.
ISC VII 04 00 42 22.7–.81 37.07N–.02 28.51E–.01 17–5 3.4b 303 0-43
IDC VII 04 00 42 20.0–.98 37.00N 28.54E 0 3.5,3.4 **¶601663455**
ISK VII 04 00 42 21.2 37.06N 28.51E 6–0 3.8L,3.4
ATH VII 04 00 42 21.2 37.08N 28.53E 23–1 3.5L,3.4
DDA VII 04 00 42 21.2 37.07N 28.52E 7 3.7L,3.4
THE VII 04 00 42 21.6 37.00N 28.52E 0–1 3.4L,3.4
ISCJB VII 04 00 42 21.4–.33 37.08N–.02 28.51E–.02 6–2 3.4s,3.3b
CSEM VII 04 00 42 22.3–.10 37.06N 28.56E 10 3.8L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=14.8km az=155.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=182.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=174.0.
ISC VII 04 01 01 18.5–.84 40.60N–.03 37.09E–.02 8 44 0-2
ISCJB VII 04 01 01 18.8–.41 40.60N–.04 37.08E–.04 8 **¶601830526**
CSEM VII 04 01 01 18.9–.14 40.60N 37.07E 8 2.2L
DDA VII 04 01 01 18.8 40.58N 37.11E 7 2.7L
ISK VII 04 01 01 18.4 40.59N 37.07E 11–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=19.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=13.0.
ISK Event type ke.
ISC VII 04 08 45 28.8–.96 39.95N–.01 27.90E–.01 12–7 3.9b 515 0-54
ATH VII 04 08 45 24.7 39.90N 28.06E 11–3 4.2L **¶601237355**
MOS VII 04 08 45 27.0–.77 40.00N 27.94E 10 4.2b
DDA VII 04 08 45 28.4 39.95N 27.89E 24 4.2L
ISK VII 04 08 45 28.7 39.94N 27.84E 13–0 4.4L
NEIC VII 04 08 45 28.8–.00 39.95N 27.85E 9 4.4L,4.0L
CSEM VII 04 08 45 29.0–.05 39.95N 27.88E 10 4.0b,4.0L
THE VII 04 08 45 29.6 39.90N 27.79E 0–3 4.1L,4.0L
IDC VII 04 08 45 31.5–2.9 40.07N 28.11E 18–21 3.7,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=143.0.
MOS Error ellipse: s-maj=6.9km s-min=6.1km az=77.4.
DDA Event type ke.
ISK Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=13.0.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=1.2km az=83.0.
IDC Error ellipse: s-maj=15.1km s-min=11.5km az=48.0.
ISC VII 04 11 06 14.5–.95 38.90N–.02 37.75E–.02 12–6 48 0-2
ISK VII 04 11 06 11.1 39.01N 37.74E 5–0 2.3L **¶601830553**
ISCJB VII 04 11 06 14.5–.49 38.92N–.03 37.74E–.04 10–4 2.3L
DDA VII 04 11 06 14.3 38.92N 37.74E 7 2.6L
CSEM VII 04 11 06 14.0–.29 38.89N 37.76E 10 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.8km az=166.2.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.8km az=151.0.
ISC VII 04 12 09 51.0–1.1 40.12N–.02 26.67E–.03 10–10 44 0-1
DDA VII 04 12 09 50.5 40.16N 26.62E 7 2.6L **¶601830555**
ISK VII 04 12 09 50.6 40.09N 26.70E 8–0 2.2L
CSEM VII 04 12 09 51.3–.11 40.11N 26.68E 5 2.2L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=118.0.
ISC VII 04 14 21 54.0–.92 39.09N–.02 28.15E–.02 12–10 54 0-2
ISCJB VII 04 14 21 53.8–.43 39.09N–.03 28.15E–.03 4–6 **¶601830558**
DDA VII 04 14 21 53.5 39.10N 28.16E 7 2.6L
ISK VII 04 14 21 53.8 39.06N 28.15E 7–0 2.6L
CSEM VII 04 14 21 54.1–.11 39.08N 28.14E 5 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=8.9.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=31.0.
ISC VII 04 19 25 43.5–.94 38.03N–.02 41.37E–.02 9–6 50 0-2
ISK VII 04 19 25 42.7 38.03N 41.37E 9–0 2.5L **¶601830567**
ISCJB VII 04 19 25 43.3–.45 38.02N–.03 41.37E–.03 6–4 2.5L
CSEM VII 04 19 25 43.1–.19 38.02N 41.37E 8 2.6L
DDA VII 04 19 25 43.3 38.03N 41.37E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=1.6.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=15.0.
ISC VII 05 08 54 17.3–.99 39.78N–.03 30.20E–.02 16–8 34 0-1
DDA VII 05 08 54 15.7 39.90N 30.07E 7 2.5L **¶601830610**
ISK VII 05 08 54 16.9 39.77N 30.18E 17–0 1.9L
ISCJB VII 05 08 54 17.4–.56 39.76N–.05 30.19E–.04 13–7 1.9L
CSEM VII 05 08 54 17.3–.18 39.76N 30.20E 15 1.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.1km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=13.0.
ISC VII 05 11 01 48.0–.98 39.46N–.03 35.34E–.03 10–7 39 0-2
CSEM VII 05 11 01 47.9–.20 39.47N 35.34E 10 2.4L **¶601830617**
DDA VII 05 11 01 47.9 39.47N 35.34E 7 2.6L
ISK VII 05 11 01 47.7 39.46N 35.33E 10–1 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=55.0.
ISK Event type ke.
ISC VII 05 14 11 11.8–1.0 37.31N–.02 28.90E–.03 14–8 34 0-1
CSEM VII 05 14 11 11.8–.22 37.30N 28.85E 15 2.6L **¶601830627**
ISK VII 05 14 11 11.3 37.31N 28.85E 18–0 2.5L
ISCJB VII 05 14 11 12.3–.52 37.31N–.03 28.81E–.04 12–5 2.5L
DDA VII 05 14 11 12.9 37.31N 28.79E 7 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=65.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=141.2.
DDA Event type ke.
ISC VII 05 17 02 20.5–1.0 38.93N–.01 38.93E–.01 4–8 3.5b,2.6s 180 0-68
NSSC VII 05 17 02 05.7–.33 39.34N 41.24E 16–999 3.3L,2.6s **¶601258046**
DDA VII 05 17 02 20.0 38.94N 38.94E 6 3.7L,2.6s
ISK VII 05 17 02 19.1 38.93N 38.94E 3–0 3.9L,2.6s
IDC VII 05 17 02 19.9–1.3 38.87N 38.93E 0 3.6,3.5
CSEM VII 05 17 02 20.4–.12 38.95N 38.94E 2 3.9L,3.5
ISC Event type ke.
NSSC Error ellipse: s-maj=767.1km s-min=770.0km az=-1.0.
DDA Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=11.8km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=173.0.
ISC VII 05 17 48 15.2–.91 39.06N–.02 42.24E–.02 14–7 53 0-2
ISK VII 05 17 48 14.3 39.03N 42.25E 11–0 2.1L **¶601830644**
ISCJB VII 05 17 48 15.1–.43 39.06N–.02 42.23E–.03 9–4 2.1L
CSEM VII 05 17 48 15.0–.16 39.07N 42.24E 10 2.8L
DDA VII 05 17 48 15.3 39.07N 42.25E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=161.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.3km az=23.0.
DDA Event type ke.
ISC VII 05 17 54 34.6–1.0 38.92N–.02 38.96E–.02 9–10 52 0-2
ISK VII 05 17 54 33.2 38.94N 38.90E 2–0 2.4L **¶601830646**
ISCJB VII 05 17 54 34.8–.45 38.93N–.02 38.93E–.03 1–7 2.4L
CSEM VII 05 17 54 34.7–.21 38.92N 38.95E 10 2.4L
DDA VII 05 17 54 34.8 38.94N 38.96E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=40.6.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=122.0.
DDA Event type ke.
ISC VII 05 20 06 11.6–.81 40.40N–.01 26.03E–.02 17–6 110 0-2
ATH VII 05 20 06 11.2 40.41N 26.00E 28–3 1.9L **¶601830652**
ISCJB VII 05 20 06 11.7–.31 40.40N–.02 26.03E–.02 9–3 1.9L
CSEM VII 05 20 06 11.7–.09 40.40N 26.03E 10 2.3L
ISK VII 05 20 06 11.2 40.38N 26.06E 16–0 2.3L
DDA VII 05 20 06 11.5 40.37N 26.07E 6 2.8L
THE VII 05 20 06 12.2 40.41N 25.98E 16–0 1.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=297.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=2.5.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=96.0.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=89.0.
ISC VII 06 02 57 26.3–.92 38.75N–.02 43.63E–.03 14–7 59 0-2
ISCJB VII 06 02 57 25.8–.64 38.72N–.03 43.70E–.05 12–4 **¶601830669**
CSEM VII 06 02 57 25.5–.22 38.72N 43.67E 12 2.6L
DDA VII 06 02 57 25.6 38.72N 43.64E 7 2.9L
ISK VII 06 02 57 25.6 38.75N 43.67E 17–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=12.2.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=106.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 06 03 40 44.1–1.5 39.1N–.10 40.71E–.05 7 7 0-1
ISCJB VII 06 03 40 44.7–1.2 39.06N–.10 40.69E–.06 7 **¶602994535**
DDA VII 06 03 40 44.6 39.00N 40.68E 11 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.1km az=9.8.
DDA Event type ke.
ISC VII 06 03 43 18.0–.93 38.63N–.02 42.96E–.03 11–8 35 0-1
DDA VII 06 03 43 17.2 38.67N 43.08E 6 2.5L **¶601830670**
ISK VII 06 03 43 17.3 38.61N 42.92E 4–1 2.2L
CSEM VII 06 03 43 18.0–.20 38.63N 42.93E 8 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=138.0.
ISC VII 06 07 20 55.9–1.1 37.28N–.04 43.90E–.04 11–8 34 0-5
ISCJB VII 06 07 20 55.6–.81 37.26N–.04 43.92E–.06 4–6 **¶601830677**
CSEM VII 06 07 20 55.8–.33 37.26N 43.92E 2 2.8L
DDA VII 06 07 20 55.8 37.31N 43.89E 7 3.0L
ISN VII 06 07 20 55.0–.41 37.19N 43.82E 0–1 3.0L

ISK VII 06 07 20 56.7 37.19N 43.77E 4–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.4km az=39.3.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.5km az=94.0.
ISN Error ellipse: s-maj=3.0km s-min=2.6km az=-1.0.
ISK Event type ke.
ISK VII 06 10 41 17.8 37.37N 41.81E 5–0 2.3L
CSEM VII 06 10 41 17.9–.30 37.28N 41.84E 2 2.3L **¶601830693**
ISN VII 06 10 41 20.8–.30 37.16N 42.17E 0 2.5L
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.2km az=19.0.
ISN Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
ISC VII 06 15 50 40.0–1.1 38.16N–.03 38.28E–.05 15–8 28 0-1
ISCJB VII 06 15 50 40.8–.66 38.19N–.04 38.30E–.07 22–7 **¶601830707**
CSEM VII 06 15 50 40.4–.20 38.17N 38.31E 18–1 1.6L
ISK VII 06 15 50 40.2 38.15N 38.30E 19–0 1.6L
DDA VII 06 15 50 43.2 38.04N 38.81E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.4km az=168.6.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=81.0.
ISK Event type ke.
DDA VII 06 16 41 42.9 37.29N 42.67E 7 2.5L
ISN VII 06 16 41 40.6–.30 37.16N 43.75E 0 2.8L **¶602027477**
CSEM VII 06 16 41 42.9–.61 37.24N 42.60E 2 2.5L
ISN Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.5km s-min=9.3km az=33.0.
ISC VII 06 16 55 48.6–.97 41.04N–.04 39.77E–.02 20–4 46 0-2
ISCJB VII 06 16 55 47.8–.70 41.08N–.04 39.79E–.03 12–4 **¶601830708**
ISK VII 06 16 55 47.6 41.03N 39.79E 11–0 2.6L
CSEM VII 06 16 55 48.2–.41 41.04N 39.77E 15 2.8L
DDA VII 06 16 55 49.8 40.98N 39.61E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.5km az=158.9.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.6km az=166.0.
ISC VII 06 17 46 57.6–1.8 38.8N–.10 43.24E–.07 13 8 0-1
ISCJB VII 06 17 46 59.9–1.1 38.66N–.07 43.26E–.07 13 **¶602994563**
DDA VII 06 17 47 00.2 38.65N 43.27E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.1km az=33.1.
ISC VII 06 18 29 20.9–1.1 37.56N–.02 32.09E–.03 7–10 46 0-2
DDA VII 06 18 29 20.6 37.56N 32.09E 7 2.8L **¶601830711**
ISK VII 06 18 29 20.5 37.59N 32.09E 2–0 2.2L
CSEM VII 06 18 29 21.0–.14 37.57N 32.07E 2 2.8L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=99.0.
ISC VII 06 19 51 22.9–.96 38.67N–.03 43.10E–.02 17–9 40 0-1
ISK VII 06 19 51 21.6 38.59N 43.11E 27–1 2.2L **¶601830713**
CSEM VII 06 19 51 22.6–.19 38.66N 43.09E 15 2.2L
ISCJB VII 06 19 51 23.2–.45 38.68N–.03 43.07E–.03 5–6 2.2L
DDA VII 06 19 51 23.0 38.66N 43.11E 7 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=44.2.
ISC VII 06 23 40 37.8–.84 39.00N–.02 43.64E–.02 5–5 127 0-4
NSSP VII 06 23 40 34.8 38.97N 43.70E 10 3.5s **¶601830721**
AZER VII 06 23 40 36.1–1.6 39.88N 43.76E 154–25 3.2L
DDA VII 06 23 40 37.0 39.01N 43.65E 5 3.6L
ISK VII 06 23 40 37.6 39.02N 43.65E 5–0 3.2L
CSEM VII 06 23 40 38.3–.16 39.02N 43.66E 2 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=22.1km s-min=5.8km az=103.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=135.0.
ISC VII 07 00 02 34.9–.83 38.64N–.02 43.18E–.02 12–5 49 0-1
ISK VII 07 00 02 33.6 38.60N 43.14E 16–1 2.3L **¶601830722**
CSEM VII 07 00 02 34.5–.21 38.62N 43.16E 15 2.3L
ISCJB VII 07 00 02 35.2–.44 38.63N–.03 43.14E–.03 9–5 2.3L
DDA VII 07 00 02 35.2 38.63N 43.18E 7 2.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=152.0.
ISC VII 07 07 07 45.7–.75 40.79N–.02 30.41E–.02 12–4 3.4b 290 0-53
ISK VII 07 07 07 44.9 40.82N 30.41E 7–0 4.0L **¶601663579**
IDC VII 07 07 07 44.3–1.0 40.79N 30.43E 0 3.5L,3.4
ISCJB VII 07 07 07 45.4–.27 40.82N–.01 30.38E–.02 11–2 3.7s,3.5b
DDA VII 07 07 07 45.3 40.76N 30.41E 7 4.0L,3.5b
IASPE VII 07 07 07 45.4–.82 40.80N–.02 30.40E–.02 12–5 3.4b,3.5b
CSEM VII 07 07 07 45.8–.08 40.79N 30.40E 5 4.0L,3.5b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=10.3km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=35.9.
DDA Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=175.2. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=31.0.
ISC VII 07 07 14 25.4–.86 40.77N–.02 30.41E–.02 13–5 68 0-2
ISK VII 07 07 14 24.8 40.81N 30.41E 6–0 2.5L **¶601830738**
ISCJB VII 07 07 14 25.0–.40 40.78N–.03 30.41E–.03 11–3 2.5L
CSEM VII 07 07 14 25.3–.14 40.78N 30.41E 10 2.5L
DDA VII 07 07 14 25.1 40.76N 30.43E 7 2.4
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=38.2.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=38.0.
ISC VII 07 07 24 33.5–.92 40.80N–.03 30.41E–.02 14–6 52 0-2
ISK VII 07 07 24 32.9 40.81N 30.41E 13–0 2.5L **¶601830739**
ISCJB VII 07 07 24 33.3–.44 40.79N–.03 30.39E–.04 14–3 2.5L
CSEM VII 07 07 24 33.5–.10 40.80N 30.40E 14–0 2.5L
DDA VII 07 07 24 33.4 40.77N 30.41E 7 2.5
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=37.7.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=23.0.
ISC VII 07 11 08 13.8–1.1 38.50N–.04 43.02E–.02 5–11 34 0-2
CSEM VII 07 11 08 13.7–.30 38.43N 43.03E 10 2.5 **¶601830758**
ISK VII 07 11 08 13.9 38.47N 42.96E 8–0 2.5L
ISCJB VII 07 11 08 14.0–.63 38.44N–.04 43.01E–.04 12–5 2.5L
DDA VII 07 11 08 14.2 38.47N 43.07E 7 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=2.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=170.2.
ISC VII 07 13 55 54.4–1.0 38.58N–.02 39.59E–.02 6–11 97 0-3
ISK VII 07 13 55 53.5 38.59N 39.58E 5–0 3.5L **¶601830762**
ISCJB VII 07 13 55 54.3–.45 38.59N–.02 39.59E–.03 0–4 3.5L
DDA VII 07 13 55 54.1 38.56N 39.57E 7 3.7L
CSEM VII 07 13 55 54.7–.13 38.58N 39.60E 2 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=41.8.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=31.0.
ISC VII 07 15 10 18.7–.96 37.24N–.02 28.76E–.03 11–9 49 0-1
ISK VII 07 15 10 17.9 37.25N 28.76E 4–0 2.4L **¶601830768**
ISCJB VII 07 15 10 18.7–.43 37.24N–.03 28.77E–.04 10–4 2.4L
CSEM VII 07 15 10 18.5–.13 37.22N 28.76E 10 3.0L
DDA VII 07 15 10 18.3 37.21N 28.78E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=96.0.
DDA Event type ke.
ISC VII 07 15 29 21.1–1.2 37.16N–.02 31.67E–.02 4–11 61 0-2
CSEM VII 07 15 29 21.5–.15 37.16N 31.68E 2 2.5L **¶601830769**
DDA VII 07 15 29 21.2 37.16N 31.72E 7 2.5L
ISK VII 07 15 29 21.1 37.15N 31.67E 5–0 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=40.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 07 15 32 23.9–.87 39.13N–.03 29.09E–.02 12–5 52 0-2
ISCJB VII 07 15 32 23.8–.41 39.12N–.03 29.10E–.03 10–3 **¶601830770**
CSEM VII 07 15 32 23.8–.11 39.12N 29.10E 8 2.5L
DDA VII 07 15 32 23.3 39.14N 29.09E 11 2.8L
ISK VII 07 15 32 23.6 39.14N 29.12E 5–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=163.1.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=150.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 07 20 09 41.9–1.0 38.97N–.02 42.61E–.02 7–9 46 0-1
CSEM VII 07 20 09 41.6–.18 38.95N 42.61E 5 2.7L **¶601830777**
DDA VII 07 20 09 41.7 38.99N 42.68E 7 2.7L
ISK VII 07 20 09 41.1 38.96N 42.55E 15–0 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=82.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 07 20 27 34.1–.81 39.10N–.03 29.03E–.02 11–4 56 0-2
DDA VII 07 20 27 33.5 39.11N 29.03E 10 2.7L **¶601830778**
ISK VII 07 20 27 33.9 39.12N 29.07E 7–0 2.4L
ISCJB VII 07 20 27 34.1–.38 39.08N–.04 29.03E–.03 10–2 2.4L
CSEM VII 07 20 27 34.0–.08 39.10N 29.04E 8 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=174.8.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=168.0.
ISC VII 08 01 17 15.8–.95 37.63N–.03 36.25E–.03 7–7 36 0-2
ISCJB VII 08 01 17 15.8–.57 37.62N–.04 36.25E–.05 4–6 **¶601830786**
CSEM VII 08 01 17 15.8–.15 37.62N 36.25E 5 2.9L
DDA VII 08 01 17 15.8 37.63N 36.26E 2 2.9L
ISK VII 08 01 17 15.3 37.63N 36.26E 5–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.8km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=37.0.
DDA Event type ke.
ISK Event type ke.
ISK VII 08 03 12 13.8 37.31N 42.61E 5–0 2.9L
CSEM VII 08 03 12 14.2–.42 37.29N 42.62E 2 2.9L **¶601830793**
ISN VII 08 03 12 18.3–.30 36.63N 42.28E 0 2.2L
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=5.0km az=54.0.
ISN Error ellipse: s-maj=0.9km s-min=3.5km az=-1.0.
ISC VII 08 07 17 26.5–.90 38.71N–.03 43.20E–.02 15–8 38 0-1
ISK VII 08 07 17 25.3 38.68N 43.18E 20–0 2.5L **¶601830795**
CSEM VII 08 07 17 26.4–.27 38.70N 43.18E 10 2.5L
DDA VII 08 07 17 26.9 38.69N 43.20E 7 2.8
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.2km az=3.0.
ISC VII 08 07 18 22.9–1.2 37.25N–.04 42.47E–.02 9–8 68 0-3
ISCJB VII 08 07 18 21.9–.84 37.20N–.04 42.45E–.03 1–5 **¶601830798**
ISK VII 08 07 18 21.9 37.24N 42.44E 8–0 3.1L
CSEM VII 08 07 18 22.3–.19 37.21N 42.44E 2 2.8
DDA VII 08 07 18 22.8 37.25N 42.47E 7 2.8
ISN VII 08 07 18 27.7–.30 36.62N 42.34E 0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=6.5.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=20.0.
ISN Error ellipse: s-maj=0.9km s-min=3.5km az=-1.0.
ISC VII 09 12 05 05.9–1.5 38.89N–.04 37.70E–.04 11–13 24 0-2
CSEM VII 09 12 05 07.6 38.99N 37.79E 14 2.6L **¶602994623**
DDA VII 09 12 05 07.6 38.99N 37.79E 14 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 09 18 09 26.0–1.2 38.65N–.02 31.18E–.02 3–11 51 0-2
ISCJB VII 09 18 09 26.2–.47 38.65N–.02 31.16E–.03 2–6 **¶601830863**
CSEM VII 09 18 09 26.4–.16 38.63N 31.16E 8 2.7L
DDA VII 09 18 09 26.0 38.66N 31.18E 7 2.7L
ISK VII 09 18 09 26.0 38.63N 31.17E 7–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=62.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 09 18 39 08.7–.79 37.57N–.02 36.35E–.01 3–4 145 0-3
IASPE VII 09 18 39 08.8–.83 37.57N–.03 36.34E–.02 3–4 **¶601830865**
CSEM VII 09 18 39 08.9–.11 37.56N 36.37E 2 3.8L
DDA VII 09 18 39 08.3 37.59N 36.34E 6 3.8L
ISK VII 09 18 39 08.6 37.56N 36.38E 8–0 3.0L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=29.2. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=162.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 09 19 36 55.9–.92 38.35N–.03 38.97E–.02 12–7 34 0-1
ISCJB VII 09 19 36 55.6–.54 38.33N–.04 38.96E–.03 2–7 **¶601830869**
CSEM VII 09 19 36 55.6–.18 38.35N 38.97E 8 2.6L
DDA VII 09 19 36 55.9 38.35N 38.94E 7 2.6L
ISK VII 09 19 36 55.4 38.36N 38.96E 8–3 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=10.7.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=14.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 10 02 03 18.9–1.1 37.15N–.02 29.14E–.02 6–11 48 0-1
ISK VII 10 02 03 17.8 37.18N 29.17E 6–0 2.3L **¶601830889**
ISCJB VII 10 02 03 18.8–.46 37.13N–.03 29.13E–.04 7–6 2.3L
CSEM VII 10 02 03 18.3–.13 37.17N 29.16E 10 2.8L
DDA VII 10 02 03 18.6 37.15N 29.11E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=7.3.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=54.0.
ISC VII 10 10 11 24.8–1.0 38.76N–.03 38.95E–.03 14–9 37 0-11
ISK VII 10 10 11 23.9 38.77N 38.91E 18–0 2.6L **¶601830916**
CSEM VII 10 10 11 24.8–.26 38.75N 38.95E 10 2.8L
ISCJB VII 10 10 11 25.0–.56 38.76N–.04 38.95E–.04 12–6 2.8L
DDA VII 10 10 11 25.4 38.77N 38.94E 7 2.8L
ISC Event type ke.
ISK Event type ke.

CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=139.1.
DDA Event type ke.
ISC VII 10 10 40 23.4–1.6 36.63N–.06 32.16E–.04 5–13 38 1-2
ISK VII 10 10 40 23.2 36.62N 32.16E 6–0 2.8L **¶601830917**
ISCJB VII 10 10 40 24.2–.80 36.64N–.05 32.18E–.05 8–5 2.8L
CSEM VII 10 10 40 24.0–.21 36.60N 32.17E 10 2.7L
DDA VII 10 10 40 24.1 36.64N 32.19E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=30.8.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=2.4km az=26.0.
DDA Event type ke.
ISC VII 10 12 08 28.3–1.1 38.69N–.02 43.55E–.03 11–10 42 0-1
ISK VII 10 12 08 27.7 38.70N 43.56E 17–0 2.6L **¶601830919**
CSEM VII 10 12 08 28.3–.31 38.68N 43.56E 12 2.6L
ISCJB VII 10 12 08 29.3–.60 38.70N–.03 43.52E–.05 7–5 2.6L
DDA VII 10 12 08 29.1 38.69N 43.50E 7 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=8.8.
ISC VII 11 04 18 39.7–.97 39.30N–.03 27.81E–.02 4–10 50 0-1
ISCJB VII 11 04 18 39.6–.43 39.31N–.03 27.81E–.03 5–5 **¶601830946**
CSEM VII 11 04 18 39.9–.15 39.30N 27.82E 5 2.7L
DDA VII 11 04 18 39.3 39.32N 27.81E 3 2.7L
ISK VII 11 04 18 39.8 39.27N 27.81E 8–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=10.3.
CSEM Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VII 11 05 57 48.0–.90 39.10N–.03 29.10E–.02 7–6 52 0-2
ISCJB VII 11 05 57 47.9–.45 39.06N–.04 29.13E–.03 4–5 **¶601830948**
ISK VII 11 05 57 47.6 39.09N 29.10E 4–0 2.5L
DDA VII 11 05 57 47.4 39.10N 29.11E 8 2.9L
CSEM VII 11 05 57 48.0–.12 39.08N 29.12E 2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.8km az=167.6.
ISK Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=158.0.
ISC VII 11 10 14 12.1–.87 39.10N–.03 29.11E–.02 8–6 48 0-2
ISCJB VII 11 10 14 12.0–.46 39.07N–.04 29.12E–.03 4–5 **¶601830951**
DDA VII 11 10 14 11.4 39.06N 29.12E 2 2.7L
ISK VII 11 10 14 11.6 39.09N 29.11E 5–0 2.4L
CSEM VII 11 10 14 12.0–.12 39.08N 29.12E 5 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=169.1.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=160.0.
DDA VII 11 11 30 51.0 39.10N 29.11E 13 2.3L
¶602994687
DDA VII 11 11 31 10.0 39.08N 29.16E 7 2.3L
¶602994690
ISC VII 11 14 50 09.5–.97 39.47N–.03 31.00E–.03 7–9 32 0-1
ISK VII 11 14 50 08.7 39.46N 31.01E 3–0 2.5L **¶601830960**
ISCJB VII 11 14 50 09.5–.58 39.47N–.04 30.99E–.04 10–9 2.5L
CSEM VII 11 14 50 09.5–.15 39.47N 30.99E 8 2.5L
DDA VII 11 14 50 09.4 39.48N 31.02E 7 2.4
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=29.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=33.0.
ISC VII 11 15 34 21.5–1.3 39.96N–.03 32.35E–.03 2–11 31 0-1
ISK VII 11 15 34 17.9 39.45N 32.42E 14–0 2.6L **¶601830963**
DDA VII 11 15 34 20.8 39.91N 32.37E 7 2.5L
ISCJB VII 11 15 34 21.9–.66 39.98N–.04 32.30E–.04 4–7 2.5L
CSEM VII 11 15 34 21.8–.28 40.00N 32.32E 8 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=3.9.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=15.0.
ISC VII 11 16 26 00.4–1.1 38.84N–.05 43.58E–.04 13–7 31 0-1
ISCJB VII 11 16 26 00.8–.92 38.85N–.04 43.60E–.07 11–6 **¶601830965**
CSEM VII 11 16 26 00.7–.32 38.87N 43.58E 10 2.7L
ISK VII 11 16 26 00.1 38.85N 43.56E 13–0 2.6L
DDA VII 11 16 26 01.1 38.89N 43.57E 14 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.3km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=127.0.
ISK Event type ke.
ISC VII 11 20 08 11.5–.97 38.75N–.02 43.13E–.02 9–9 42 0-2
ISK VII 11 20 08 10.2 38.74N 43.15E 5–0 2.3L **¶601830972**
DDA VII 11 20 08 11.2 38.75N 43.15E 7 2.6L
CSEM VII 11 20 08 11.1–.19 38.75N 43.13E 5 2.3L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=76.0.
ISC VII 11 22 22 19.9–.00 38.77N–.02 43.25E–.02 19–2 54 0-1
DDA VII 11 22 22 18.9 38.76N 43.28E 7 2.7L **¶601830980**
ISK VII 11 22 22 18.2 38.76N 43.23E 21–0 2.4L
ISCJB VII 11 22 22 20.0–.50 38.77N–.03 43.26E–.04 20–6 2.4L
CSEM VII 11 22 22 19.2–.19 38.77N 43.27E 20 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=12.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=126.0.
ISC VII 11 22 43 46.1–.94 38.96N–.03 43.57E–.03 18–4 33 0-2
ISK VII 11 22 43 45.8 38.93N 43.47E 7–0 2.3L **¶601830982**
ISCJB VII 11 22 43 47.0–.60 38.90N–.06 43.57E–.05 16–7 2.3L
CSEM VII 11 22 43 46.4–.32 38.93N 43.52E 10 2.6L
DDA VII 11 22 43 46.0 38.84N 43.60E 8 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.8km az=165.7.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=143.0.
DDA Event type ke.
ISC VII 11 22 50 47.6–.89 38.89N–.03 43.55E–.03 10–6 43 0-1
ISK VII 11 22 50 46.9 38.87N 43.49E 13–0 2.3L **¶601830983**
ISCJB VII 11 22 50 48.0–.58 38.88N–.03 43.53E–.05 8–5 2.3L
DDA VII 11 22 50 47.4 38.87N 43.55E 7 2.6L
CSEM VII 11 22 50 47.4–.26 38.89N 43.54E 10 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=162.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=149.0.
ISC VII 12 10 50 39.2–.95 38.61N–.02 43.16E–.02 7–8 140 0-6
ISN VII 12 10 50 30.6–4.9 38.86N 43.04E 0–101 3.6L **¶601831018**
ISK VII 12 10 50 37.4 38.62N 43.15E 3–0 3.7L
DDA VII 12 10 50 38.6 38.63N 43.19E 7 3.6L
ISCJB VII 12 10 50 38.6–.44 38.64N–.02 43.13E–.02 2–3 3.6L
CSEM VII 12 10 50 38.7–.12 38.61N 43.12E 2 3.7L
AZER VII 12 10 50 41.0–1.5 38.61N 43.26E 5 3.3L
ISC Event type ke.
ISN Error ellipse: s-maj=119.4km s-min=47.6km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=144.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=150.0.
AZER Error ellipse: s-maj=12.5km s-min=9.7km az=73.0.
ISC VII 12 12 08 32.4–.91 38.60N–.02 43.18E–.02 9–7 99 0-3
AZER VII 12 12 08 28.3–7.2 38.54N 42.83E 7 3.2L **¶601831026**
ISK VII 12 12 08 30.8 38.61N 43.17E 2–0 3.5L
CSEM VII 12 12 08 31.6–.14 38.59N 43.20E 2 3.5L
DDA VII 12 12 08 31.5 38.58N 43.18E 7 3.4L
ISCJB VII 12 12 08 32.2–.46 38.64N–.02 43.15E–.02 4–4 3.4L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VII 12 20 31 01.0–.89 38.69N–.02 43.18E–.02 12–7 53 0-1
ISK VII 12 20 30 59.7 38.67N 43.17E 7–0 2.3L **¶601831053**
ISCJB VII 12 20 31 01.0–.42 38.69N–.02 43.17E–.03 7–5 2.3L
DDA VII 12 20 31 00.8 38.70N 43.20E 7 2.7L
CSEM VII 12 20 31 00.6–.20 38.69N 43.20E 10 2.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=16.9.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=91.0.
ISC VII 12 21 56 27.6–1.0 38.41N–.02 40.82E–.02 8–9 58 0-2
ISK VII 12 21 56 26.9 38.41N 40.83E 9–0 2.5L **¶601831057**
ISCJB VII 12 21 56 27.5–.36 38.41N–.02 40.83E–.03 6–4 2.5L
CSEM VII 12 21 56 27.5–.12 38.41N 40.83E 10 2.4L
DDA VII 12 21 56 27.4 38.41N 40.82E 7 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=167.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=44.0.
ISC VII 12 23 27 53.5–.89 38.72N–.02 43.53E–.03 13–6 56 0-1
ISK VII 12 23 27 52.9 38.72N 43.42E 8–0 2.3L **¶601831061**
ISCJB VII 12 23 27 53.7–.48 38.73N–.02 43.49E–.04 12–4 2.3L
CSEM VII 12 23 27 53.1–.26 38.74N 43.51E 15 2.3L
DDA VII 12 23 27 53.1 38.71N 43.54E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=14.9.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=107.0.
DDA Event type ke.
ISK VII 13 02 09 39.7 37.34N 43.81E 5–0 2.4L
CSEM VII 13 02 09 39.9–.73 37.33N 43.86E 2 2.4L **¶601831069**
ISN VII 13 02 09 39.3–.30 37.26N 43.70E 0 2.5L
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.6km s-min=8.0km az=114.0.
ISN Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
ISC VII 13 02 32 43.0–.95 38.62N–.04 43.18E–.03 16–8 25 0-1
ISCJB VII 13 02 32 42.8–1.0 38.59N–.06 43.21E–.05 26–9 **¶601831072**
ISK VII 13 02 32 42.0 38.63N 43.16E 3–0 2.2L
DDA VII 13 02 32 43.1 38.64N 43.20E 7 2.7L
CSEM VII 13 02 32 43.2–.30 38.65N 43.16E 5 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=158.4.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=5.0.
ISC VII 13 05 07 45.6–.89 38.47N–.03 40.44E–.02 15–6 46 0-2
DDA VII 13 05 07 45.5 38.44N 40.44E 15 2.9L **¶601831078**
ISK VII 13 05 07 45.6 38.47N 40.45E 12–0 2.5L
ISCJB VII 13 05 07 46.1–.41 38.46N–.02 40.45E–.03 8–4 2.5L
CSEM VII 13 05 07 46.1–.19 38.44N 40.45E 10 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=35.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=10.0.
ISC VII 13 14 01 43.7–1.2 39.74N–.03 32.57E–.04 4–11 33 0-2
ISCJB VII 13 14 01 43.2–.71 39.75N–.03 32.53E–.05 7–6 **¶601831105**
CSEM VII 13 14 01 43.4–.12 39.76N 32.55E 10 2.3L
DDA VII 13 14 01 43.5 39.76N 32.62E 7 2.6L
ISK VII 13 14 01 43.1 39.76N 32.56E 9–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=24.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=119.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 13 15 16 40.7–1.1 37.29N–.03 39.13E–.05 6–11 25 0-1
ISK VII 13 15 16 39.3 37.19N 39.04E 11–0 2.4L **¶601831111**
CSEM VII 13 15 16 40.4–.26 37.28N 39.14E 5 2.5L
DDA VII 13 15 16 40.7 37.26N 39.14E 7 2.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=132.0.
ISC VII 14 13 08 30.8–1.1 37.05N–.02 36.74E–.02 1–10 162 0-7
GII VII 14 13 08 25.1–.39 37.66N 36.73E 10–0 3.3 **¶601783115**
ISN VII 14 13 08 25.0–1.5 35.05N 36.86E 0–35 3.9L
NSSC VII 14 13 08 28.6–.88 37.43N 36.99E 18–69 3.6L
ISK VII 14 13 08 30.4 36.99N 36.73E 7–0 3.9L
DDA VII 14 13 08 31.1 37.01N 36.75E 20 3.9L
CSEM VII 14 13 08 32.0–.14 37.03N 36.72E 10 3.9L
ISC Event type ke.
GII Event type ke.
ISN Error ellipse: s-maj=50.7km s-min=44.6km az=-1.0.
NSSC Error ellipse: s-maj=33.6km s-min=69.8km az=-1.0.
ISK Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=140.0.
ISC VII 14 17 16 04.9–.86 38.66N–.03 43.22E–.03 14–8 39 0-1
ISK VII 14 17 16 03.8 38.66N 43.21E 12–2 2.4L **¶601831155**
ISCJB VII 14 17 16 04.9–.57 38.66N–.03 43.21E–.03 13–6 2.4L
CSEM VII 14 17 16 04.6–.24 38.66N 43.22E 10 2.4L
DDA VII 14 17 16 05.1 38.67N 43.26E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=162.8.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=151.0.
DDA Event type ke.
ISC VII 14 17 45 18.3–1.1 38.63N–.02 43.14E–.02 2–10 67 0-2
ISK VII 14 17 45 17.2 38.62N 43.14E 5–0 2.9L **¶601831156**
ISCJB VII 14 17 45 18.4–.42 38.64N–.02 43.13E–.03 2–5 2.9L
DDA VII 14 17 45 18.5 38.64N 43.18E 7 3.0L
CSEM VII 14 17 45 18.2–.22 38.63N 43.16E 5 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=22.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=136.0.
ISC VII 15 06 41 09.6–1.1 38.75N–.02 41.40E–.02 11–10 57 0-2
ISK VII 15 06 41 09.1 38.74N 41.41E 10–0 2.9L **¶601831172**
ISCJB VII 15 06 41 10.2–.43 38.71N–.02 41.38E–.03 11–6 2.9L
DDA VII 15 06 41 10.8 38.69N 41.34E 7 2.8L
CSEM VII 15 06 41 10.1–.18 38.72N 41.37E 12 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=135.7.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=48.0.
ISC VII 15 11 51 11.3–1.1 39.92N–.03 34.78E–.03 6–12 32 0-2
DDA VII 15 11 51 10.5 39.90N 34.78E 7 2.8L **¶601831183**
ISCJB VII 15 11 51 12.4–.56 39.92N–.03 34.73E–.05 9–7 2.8L
ISK VII 15 11 51 12.1 40.06N 34.89E 29–0 2.5L
CSEM VII 15 11 51 13.0–.22 39.89N 34.67E 10 2.5L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=176.2.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=68.0.
ISC VII 15 14 40 02.1–.88 38.17N–.02 38.43E–.03 16–7 38 0-2
DDA VII 15 14 40 01.3 38.17N 38.48E 7 2.9L ¶601831192
ISK VII 15 14 40 01.8 38.14N 38.45E 12–0 2.3L
ISCJB VII 15 14 40 02.2–.50 38.15N–.03 38.44E–.04 11–5 2.3L
CSEM VII 15 14 40 02.0–.16 38.18N 38.45E 15 2.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=156.7.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=67.0.
ISC VII 15 18 58 23.2–1.0 37.02N–.02 36.72E–.02 8–10 64 0-2
ISK VII 15 18 58 22.6 37.01N 36.76E 6–0 2.7L ¶601831198
ISCJB VII 15 18 58 23.1–.52 37.03N–.02 36.71E–.03 1–5 2.7L
DDA VII 15 18 58 23.1 37.02N 36.70E 8 3.1L
CSEM VII 15 18 58 23.4–.17 37.02N 36.71E 2 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=162.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=156.0.
ISC VII 15 19 10 37.4–.93 38.51N–.03 43.22E–.02 6–9 48 0-2
ATA VII 15 19 10 33.7–1.2 38.27N 43.43E 23–10 3.5L,3.2W ¶601831199
ISK VII 15 19 10 35.9 38.50N 43.17E 10–0 2.6L,3.2W
CSEM VII 15 19 10 36.7–.24 38.52N 43.21E 10 3.0L,3.2W
ISCJB VII 15 19 10 37.3–.48 38.49N–.04 43.20E–.04 9–4 3.0L,3.2W
DDA VII 15 19 10 37.3 38.50N 43.23E 9 3.0L,3.2W
ISC Event type ke.
ATA Error ellipse: s-maj=14.8km s-min=7.7km az=-1.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=147.2.
ISC VII 15 20 34 42.9–.87 37.66N–.04 29.33E–.03 12 28 0-2
DDA VII 15 20 34 32.5 37.73N 29.27E 7 2.6L ¶601831201
ISCJB VII 15 20 34 42.9–.70 37.66N–.05 29.29E–.04 12 2.6L
ISK VII 15 20 34 42.6 37.69N 29.30E 8–0 2.8L
CSEM VII 15 20 34 43.1–.20 37.68N 29.29E 10 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=174.9.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=161.0.
ISC VII 15 22 22 21.6–.99 39.82N–.02 40.97E–.02 10–9 77 0-2
ATA VII 15 22 22 20.3–1.0 39.80N 40.97E 21–4 3.5L,3.4W ¶601831209
ISCJB VII 15 22 22 21.5–.44 39.83N–.02 40.96E–.02 6–4 3.5L,3.4W
CSEM VII 15 22 22 21.7–.22 39.83N 40.96E 10 2.8L,3.4W
ISK VII 15 22 22 21.1 39.82N 40.95E 10–0 3.0L,3.4W
DDA VII 15 22 22 23.9 39.73N 40.77E 7 2.8L,3.4W
ISC Event type ke.
ATA Error ellipse: s-maj=2.8km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=7.8.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=51.0.
ISK Event type ke.
ISC VII 16 09 04 03.9–1.1 39.92N–.02 39.06E–.02 3–11 54 0-2
ISCJB VII 16 09 04 03.8–.49 39.92N–.02 39.06E–.03 2–6 ¶601831227
CSEM VII 16 09 04 03.9–.13 39.92N 39.07E 5 2.4L
ISK VII 16 09 04 03.5 39.93N 39.07E 5–0 2.4L
DDA VII 16 09 04 03.9 39.89N 39.06E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=168.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=145.0.
ISK Event type ke.
DDA Event type ke.
ISC VII 16 09 04 21.1–.85 38.47N–.02 43.35E–.04 12–5 43 0-2
CSEM VII 16 09 04 20.9–.26 38.44N 43.34E 8 2.9L ¶601831228
ISK VII 16 09 04 20.9 38.48N 43.28E 5–0 2.3L
ISCJB VII 16 09 04 21.7–.52 38.46N–.03 43.33E–.04 9–4 2.3L
DDA VII 16 09 04 22.1 38.50N 43.34E 11 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=90.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=22.9.
DDA Event type ke.
ISC VII 16 09 13 13.2–1.4 37.27N–.06 42.63E–.03 5–10 36 0-3
ISN VII 16 09 13 10.6–.30 37.22N 42.60E 0 2.8L ¶601831230
CSEM VII 16 09 13 12.8–.21 37.25N 42.61E 2 2.6L
ISCJB VII 16 09 13 13.6–1.4 37.27N–.08 42.59E–.05 6–10 2.6L
DDA VII 16 09 13 13.8 37.30N 42.60E 6 2.9L
ISK VII 16 09 13 13.2 37.28N 42.56E 7–0 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.8km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.1km az=21.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 16 09 29 42.3–.86 39.09N–.02 29.14E–.02 8–6 66 0-2
ISK VII 16 09 29 41.9 39.07N 29.14E 5–0 2.4L ¶601831231
ISCJB VII 16 09 29 42.4–.35 39.06N–.03 29.16E–.03 7–4 2.4L
DDA VII 16 09 29 42.8 39.14N 29.16E 8 2.8L
CSEM VII 16 09 29 42.2–.08 39.09N 29.15E 2 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=178.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=167.0.
ISC VII 17 00 33 11.2–.91 38.32N–.03 38.79E–.02 11–8 37 0-1
ISCJB VII 17 00 33 11.0–.54 38.31N–.03 38.80E–.03 4–6 ¶601831269
CSEM VII 17 00 33 10.8–.17 38.31N 38.80E 8 2.8L
DDA VII 17 00 33 10.8 38.32N 38.77E 7 2.8L
ISK VII 17 00 33 10.4 38.31N 38.79E 13–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=175.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=30.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 17 05 37 28.6–.98 38.61N–.03 43.14E–.04 12–10 27 0-1
ISK VII 17 05 37 25.6 38.30N 43.17E 18–0 2.4L ¶601831277
ISCJB VII 17 05 37 28.5–.62 38.60N–.05 43.16E–.04 15–7 2.4L
DDA VII 17 05 37 28.4 38.64N 43.20E 7 2.7L
CSEM VII 17 05 37 28.1–.25 38.61N 43.14E 10 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.2km az=1.5.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=13.0.
ISC VII 17 08 47 48.5–1.1 38.89N–.03 38.67E–.02 8–10 39 0-2
ISK VII 17 08 47 47.6 38.85N 38.67E 5–0 2.3L ¶601831285
ISCJB VII 17 08 47 48.5–.49 38.89N–.03 38.66E–.03 1–9 2.3L
CSEM VII 17 08 47 48.4–.17 38.89N 38.66E 2 3.0L
DDA VII 17 08 48 44.6 38.90N 38.68E 11 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=161.5.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=138.0.
DDA Event type ke.
ISC VII 17 12 47 10.7–.85 39.20N–.03 43.69E–.03 16–7 39 0-3
CSEM VII 17 12 47 10.7–.26 39.21N 43.66E 10 3.5L ¶601831300
ISK VII 17 12 47 10.6 39.20N 43.64E 10–0 3.0L
ISCJB VII 17 12 47 11.3–.51 39.22N–.03 43.64E–.05 8–7 3.0L
DDA VII 17 12 47 11.1 39.20N 43.65E 7 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=111.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=178.6.

ISC VII 17 15 16 24.4–.88 38.13N–.02 38.19E–.02 16–7 45 0-2
DDA VII 17 15 16 23.6 38.06N 38.23E 7 2.8L ¶601831307
ISK VII 17 15 16 23.7 38.16N 38.11E 10–0 2.3L
ISCJB VII 17 15 16 24.9–.56 38.11N–.02 38.21E–.04 10–4 2.3L
CSEM VII 17 15 16 24.5–.20 38.12N 38.21E 10 2.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=179.6.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=110.0.
ISC VII 18 10 08 12.2–.98 40.58N–.03 36.95E–.02 7–9 49 0-2
ISK VII 18 10 08 11.4 40.58N 36.88E 5–0 2.2L ¶601831337
DDA VII 18 10 08 11.8 40.58N 36.97E 8 2.7L
ISCJB VII 18 10 08 12.0–.57 40.59N–.03 36.97E–.03 1–5 2.7L
CSEM VII 18 10 08 12.4–.12 40.58N 36.94E 2 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=18.0.
ISC VII 18 10 46 51.1–1.1 40.59N–.03 36.95E–.03 5–12 32 0-2
DDA VII 18 10 46 51.0 40.61N 36.94E 7 2.8L ¶601831340
CSEM VII 18 10 46 51.5–.21 40.58N 36.96E 2 2.8L
ISK VII 18 10 46 51.1 40.51N 37.02E 6–0 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=167.0.
ISK Event type ke.
ISC VII 18 17 46 44.5–.78 37.16N–.01 28.34E–.01 19–2 3.5b 323 0-75
HLW VII 18 17 46 42.5 37.22N 28.37E 10–16 4.2,4.1L ¶601664801
NIC VII 18 17 46 43.0–.30 37.20N 27.93E 25 4.3b,3.9L
DDA VII 18 17 46 43.7 37.17N 28.29E 25 4.0L,3.9L
NSSC VII 18 17 46 44.3–.76 37.01N 28.20E 33–999 3.2L,3.9L
ISCJB VII 18 17 46 44.9–.23 37.09N–.01 28.39E–.02 29–2 3.5b,3.3s
CSEM VII 18 17 46 44.9–.09 37.14N 28.34E 10 3.9L,3.3s
ATH VII 18 17 46 44.4 37.16N 28.30E 25–3 3.8L,3.3s
ISK VII 18 17 46 44.5 37.15N 28.38E 5–0 3.8L,3.3s
IASPE VII 18 17 46 44.5–.79 37.16N–.02 28.34E–.02 17–4 3.5b,3.3s
THE VII 18 17 46 45.6 37.10N 28.34E 12–1 3.9L,3.3s
IDC VII 18 17 46 46.9–2.6 37.14N 28.42E 35–25 3.6,3.6
GII VII 18 17 46 50.2–.00 36.96N 28.81E 15 3.6,3.6
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=42.7km s-min=106.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=62.0.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.3km az=220.0.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=142.0. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=26.0.
IDC Error ellipse: s-maj=16.9km s-min=14.3km az=170.0.
GII Event type ke.
ISC VII 19 00 24 58.6–1.0 38.07N–.02 42.62E–.02 10–9 42 0-2
ISCJB VII 19 00 24 58.6–.52 38.07N–.03 42.61E–.03 3–5 ¶601831361
CSEM VII 19 00 24 58.4–.15 38.07N 42.63E 10 2.5L
DDA VII 19 00 24 58.3 38.06N 42.62E 7 2.5L
ISK VII 19 00 24 58.3 38.09N 42.63E 8–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=160.0.
ISK Event type ke.
ISC VII 19 03 17 38.4–1.5 37.12N–.06 42.74E–.03 2–11 38 0-2
ISN VII 19 03 17 24.3–.30 37.03N 42.78E 0 2.7L ¶601831366
DDA VII 19 03 17 37.8 37.06N 42.71E 7 2.7L
CSEM VII 19 03 17 39.6–.44 37.18N 42.75E 5 2.6L
ISK VII 19 03 17 40.1 37.27N 42.75E 7–0 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=3.7km az=12.0.
ISK Event type ke.
ISC VII 19 04 24 55.2–.99 39.09N–.02 28.15E–.02 10–9 57 0-2
DDA VII 19 04 24 55.0 39.11N 28.16E 7 2.8L ¶601831369
ISK VII 19 04 24 54.9 39.08N 28.16E 7–0 2.6L
ISCJB VII 19 04 24 55.2–.44 39.08N–.02 28.17E–.03 10–4 2.6L
CSEM VII 19 04 24 55.2–.10 39.08N 28.15E 10 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=168.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=57.0.
ISC VII 19 14 12 30.1–1.2 38.75N–.03 41.60E–.03 1–14 40 0-2
ISK VII 19 14 12 28.9 38.70N 41.61E 5–0 2.2L ¶601831388
ISCJB VII 19 14 12 30.7–.57 38.73N–.03 41.61E–.04 7–6 2.2L
CSEM VII 19 14 12 30.5–.23 38.75N 41.60E 8 2.2L
DDA VII 19 14 12 31.2 38.75N 41.58E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=38.8.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=40.0.
ISC VII 19 16 33 10.0–1.3 38.72N–.03 43.76E–.04 10–10 40 0-2
DDA VII 19 16 33 09.1 38.68N 43.87E 7 2.6L ¶601831393
ISCJB VII 19 16 33 10.8–.75 38.72N–.03 43.78E–.06 11–4 2.6L
ISK VII 19 16 33 10.1 38.79N 43.61E 2–0 2.5L
CSEM VII 19 16 33 11.1–.37 38.75N 43.71E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.8km az=25.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.4km az=116.0.
ISC VII 19 16 57 13.1–.98 38.72N–.02 43.53E–.03 16–8 47 0-2
CSEM VII 19 16 57 12.8–.32 38.72N 43.53E 12 2.5L ¶601831395
ISK VII 19 16 57 12.3 38.72N 43.46E 17–0 2.5L
ISCJB VII 19 16 57 13.4–.55 38.73N–.03 43.53E–.06 14–5 2.5L
DDA VII 19 16 57 13.5 38.74N 43.50E 7 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=119.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=16.4.
DDA Event type ke.
ISC VII 19 19 11 58.4–1.4 37.27N–.06 42.54E–.03 6–11 40 0-2
ISN VII 19 19 11 42.0–.30 37.24N 42.73E 0 2.4L ¶601831399
ISK VII 19 19 11 57.5 37.28N 42.48E 5–0 2.3L
ISCJB VII 19 19 11 58.4–.99 37.26N–.05 42.51E–.04 0–7 2.3L
CSEM VII 19 19 11 58.5–.30 37.26N 42.50E 2 2.3L
DDA VII 19 19 11 58.3 37.27N 42.51E 7 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.8km az=24.2.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.0km az=18.0.
ISC VII 20 00 43 48.5–.91 38.72N–.02 43.56E–.03 12–7 73 0-2
ISCJB VII 20 00 43 48.9–.48 38.72N–.02 43.55E–.05 11–4 ¶601831408
CSEM VII 20 00 43 48.2–.25 38.72N 43.58E 5 2.5L
DDA VII 20 00 43 48.0 38.72N 43.57E 15 2.8L
ISK VII 20 00 43 48.0 38.74N 43.44E 11–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=19.4.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=102.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 20 01 20 14.6–1.0 37.26N–.03 36.21E–.03 15 32 0-2
DDA VII 20 01 20 13.8 37.24N 36.19E 7 2.5L ¶601831409
ISK VII 20 01 20 13.5 37.27N 36.23E 3–1 1.8L

ISCJB VII 20 01 20 14.7–.53 37.25N–.03 36.18E–.05 15 1.8L
CSEM VII 20 01 20 14.5–.20 37.26N 36.20E 2 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=161.5.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=27.0.
ISC VII 20 04 29 46.1–1.1 40.88N–.02 31.77E–.02 8–9 137 1-7
ISCJB VII 20 04 29 45.5–.53 40.89N–.02 31.75E–.02 1–4 ¶601831418
DDA VII 20 04 29 45.8 40.88N 31.77E 14 3.4L
ISK VII 20 04 29 46.0 40.85N 31.75E 7–0 3.2L
CSEM VII 20 04 29 46.3–.12 40.86N 31.77E 5 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=6.1.
DDA Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=21.0.
ISC VII 20 07 18 56.6–1.2 39.10N–.02 42.06E–.02 1–11 53 0-2
DDA VII 20 07 18 56.4 39.06N 41.93E 11 2.7L ¶601831419
CSEM VII 20 07 18 58.9–.35 39.24N 42.13E 5 2.7L
ISK VII 20 07 19 02.8 38.91N 41.70E 5–0 2.7L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=7.0km az=158.0.
ISK Event type ke.
ISC VII 20 10 47 07.8–.85 39.11N–.02 29.06E–.02 9–5 66 0-2
ISCJB VII 20 10 47 07.7–.35 39.09N–.03 29.07E–.03 7–3 ¶601831429
CSEM VII 20 10 47 07.7–.07 39.10N 29.06E 5 2.4L
DDA VII 20 10 47 07.2 39.10N 29.08E 5 2.8L
ISK VII 20 10 47 07.5 39.11N 29.07E 5–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=7.9.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=147.0.
ISK Event type ke.
ISC VII 20 12 34 39.7–1.2 39.87N–.03 30.05E–.03 4–10 29 0-1
DDA VII 20 12 34 39.9 39.80N 30.08E 7 2.7L ¶601831433
CSEM VII 20 12 34 39.5–.18 39.87N 30.03E 8 2.7L
ISK VII 20 12 34 39.0 39.88N 30.05E 5–0 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=14.0.
ISK Event type ke.
ISC VII 20 13 12 44.5–1.4 37.00N–.06 39.90E–.03 7–13 32 1-2
ISCJB VII 20 13 12 44.0–1.1 36.99N–.07 39.89E–.04 1–6 ¶601831434
ISK VII 20 13 12 43.1 36.96N 39.92E 6–0 2.5L
CSEM VII 20 13 12 44.2–.33 36.99N 39.90E 2 2.5L
DDA VII 20 13 12 44.5 37.06N 39.87E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=4.5km az=167.7.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=3.0km az=164.0.
ISC VII 20 14 57 52.3–.87 39.28N–.03 38.58E–.02 8–6 37 0-2
DDA VII 20 14 57 51.5 39.41N 38.55E 7 3.0L ¶601831441
ISCJB VII 20 14 57 52.4–.49 39.27N–.04 38.58E–.03 8–4 3.0L
CSEM VII 20 14 57 52.2–.25 39.29N 38.57E 5 3.0L
ISK VII 20 14 57 52.7 39.22N 38.64E 18–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=179.5.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.0km az=14.0.
ISK Event type ke.
ISC VII 20 15 22 13.1–.84 38.77N–.02 43.33E–.04 17–7 38 0-1
ISK VII 20 15 22 11.7 38.77N 43.33E 14–1 2.4L ¶601831443
CSEM VII 20 15 22 12.6–.21 38.78N 43.33E 12 2.4L
DDA VII 20 15 22 12.8 38.76N 43.26E 7 2.9L
ISCJB VII 20 15 22 13.1–.46 38.78N–.02 43.31E–.05 11–6 2.9L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 20 16 20 18.4–.67 38.67N–.01 43.38E–.02 10–4 4.0b,2.9s 238 0-78
ISN VII 20 16 20 14.7–.91 38.63N 43.47E 0–59 4.3L,2.9s ¶601506023
ISK VII 20 16 20 16.8 38.68N 43.34E 6–0 4.1L,2.9s
DDA VII 20 16 20 16.6 38.65N 43.38E 20 4.3L,2.9s
ISCJB VII 20 16 20 16.9–.42 38.63N–.02 43.43E–.02 2–3 3.9b,2.9s
CSEM VII 20 16 20 17.4–.12 38.64N 43.36E 2 4.1L,2.9s
IASPE VII 20 16 20 17.2–.83 38.67N–.02 43.36E–.03 17–6 4.0b,2.9s
IDC VII 20 16 20 21.8–1.9 38.64N 43.35E 44–20 4.0,3.9
AZER VII 20 16 20 22.0–.91 38.70N 43.38E 34–34 3.9L,3.9
ISC Event type ke.
ISN Error ellipse: s-maj=69.0km s-min=10.2km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=137.0.
IASPE Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=108.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
IDC Error ellipse: s-maj=18.6km s-min=11.9km az=160.0.
AZER Error ellipse: s-maj=27.8km s-min=6.9km az=60.0.
ISC VII 20 17 12 17.0–.95 38.70N–.02 43.30E–.03 14–8 34 0-1
ISK VII 20 17 12 15.9 38.69N 43.30E 16–0 2.3L ¶601831447
ISCJB VII 20 17 12 16.6–.98 38.66N–.04 43.32E–.08 25–8 2.3L
CSEM VII 20 17 12 16.8–.24 38.71N 43.27E 10 2.3L
DDA VII 20 17 12 17.0 38.71N 43.32E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.4km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=106.0.
ISC VII 20 21 27 20.7–.95 39.05N–.04 41.62E–.03 14–7 27 0-1
ISK VII 20 21 27 19.9 39.07N 41.67E 13–4 1.9L ¶601831450
ISCJB VII 20 21 27 20.8–.73 39.05N–.05 41.66E–.04 13–8 1.9L
CSEM VII 20 21 27 20.4–.21 39.06N 41.64E 15 2.5L
DDA VII 20 21 27 21.5 39.19N 41.59E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.1km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=16.0.
ISC VII 21 02 43 46.3–.81 38.72N–.02 43.35E–.03 17–6 50 0-2
ISK VII 21 02 43 44.5 38.70N 43.28E 5–0 2.5L ¶601831456
CSEM VII 21 02 43 45.9–.21 38.73N 43.29E 12 2.5L
ISCJB VII 21 02 43 46.3–.42 38.72N–.03 43.28E–.04 12–4 2.5L
DDA VII 21 02 43 46.0 38.70N 43.29E 7 3.1L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=23.2.
ISC VII 21 08 34 22.6–.84 39.10N–.02 29.12E–.02 9–5 64 0-2
ISCJB VII 21 08 34 22.5–.36 39.07N–.03 29.13E–.03 8–3 ¶601831463
DDA VII 21 08 34 22.1 39.09N 29.12E 6 2.6L
CSEM VII 21 08 34 22.4–.07 39.10N 29.13E 8 2.4L
ISK VII 21 08 34 22.1 39.11N 29.12E 8–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=151.0.
ISK Event type ke.
ISC VII 21 11 30 51.9–1.1 39.23N–.03 30.08E–.03 8–9 38 0-1
DDA VII 21 11 30 51.1 39.18N 30.12E 7 2.5L ¶601831472
ISK VII 21 11 30 51.2 39.22N 30.08E 7–0 2.2L
CSEM VII 21 11 30 52.1–.18 39.24N 30.09E 8 2.2L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=145.0.
ISC VII 21 11 44 48.4–1.4 40.53N–.03 37.26E–.02 3–11 39 1-2
ISK VII 21 11 44 47.1 40.51N 37.27E 5–0 2.3L ¶601831473
CSEM VII 21 11 44 48.3–.17 40.53N 37.27E 8 2.3L
DDA VII 21 11 44 48.5 40.54N 37.35E 7 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=12.0.
ISC VII 21 15 12 45.2–.94 36.68N–.03 29.23E–.03 8–8 26 0-1
ISK VII 21 15 12 44.1 36.54N 29.21E 5–0 2.5L ¶601831481
ISCJB VII 21 15 12 45.2–.69 36.69N–.04 29.22E–.04 9–10 2.5L
CSEM VII 21 15 12 45.1–.33 36.69N 29.22E 5 2.5L
DDA VII 21 15 13 32.2 36.70N 29.27E 4 2.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.0km az=177.5.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=3.0.
DDA Event type ke.
ISC VII 21 15 23 06.4–1.1 36.96N–.02 29.29E–.02 2–11 45 0-1
CSEM VII 21 15 23 06.3–.17 36.96N 29.30E 10 2.5L ¶601831482
ISK VII 21 15 23 06.2 36.93N 29.28E 7–0 2.5L
DDA VII 21 15 23 06.1 36.97N 29.29E 7 2.5L
ISC Event type ke.
CSEM Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VII 21 17 43 53.0–.89 38.54N–.02 31.95E–.03 9–7 47 0-2
ISCJB VII 21 17 43 53.0–.46 38.53N–.03 31.94E–.05 8–6 ¶601831489
CSEM VII 21 17 43 52.9–.15 38.53N 31.95E 8 2.7L
ISK VII 21 17 43 52.6 38.56N 31.99E 11–0 2.4L
DDA VII 21 17 43 52.7 38.53N 31.93E 6 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=60.0.
ISK Event type ke.
DDA Event type ke.
ISC VII 22 02 09 09.2–.81 39.09N–.02 29.12E–.02 9–5 66 0-2
DDA VII 22 02 09 08.6 39.10N 29.13E 6 2.7L ¶601831503
ISCJB VII 22 02 09 09.3–.37 39.06N–.03 29.12E–.03 8–3 2.7L
CSEM VII 22 02 09 09.3–.09 39.07N 29.12E 8 2.4L
ISK VII 22 02 09 09.0 39.08N 29.11E 8–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=179.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=162.0.
ISK Event type ke.
ISC VII 22 04 30 18.7–1.3 36.13N–.06 30.32E–.03 17–9 45 1-3
ISCJB VII 22 04 30 17.6–1.1 36.05N–.06 30.29E–.04 10–6 ¶601831507
ISK VII 22 04 30 17.9 36.14N 30.33E 18–0 2.9L
CSEM VII 22 04 30 18.9–.34 36.15N 30.31E 15 2.6L
DDA VII 22 04 30 19.5 36.23N 30.29E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.6km az=175.4.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.4km az=173.0.
DDA Event type ke.
ISC VII 22 04 53 12.5–.91 37.07N–.02 28.63E–.03 17–7 41 0-1
ISK VII 22 04 53 11.9 37.10N 28.65E 14–0 2.4L ¶601831509
CSEM VII 22 04 53 12.5–.10 37.07N 28.63E 20–0 2.3L
DDA VII 22 04 53 12.6 37.07N 28.59E 7 2.3L
ISCJB VII 22 04 53 13.0–.53 37.05N–.03 28.61E–.04 21–7 2.3L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VII 22 09 26 04.5–.46 37.57N–.02 36.36E–.01 10–2 5.0b,4.1s 1355 0-150
CNRM VII 22 09 25 39.9 38.22N 40.37E 15 5.3L,4.1s ¶601456930
ISCJB VII 22 09 26 02.7–.08 37.56N–.01 36.34E–.01 10 4.9b,4.2s
IDC VII 22 09 26 02.8–.44 37.58N 36.23E 0 4.6,4.6b
IASPE VII 22 09 26 02.9–.89 37.57N–.02 36.35E–.02 3–5 5.0b,4.1s
DDA VII 22 09 26 02.3 37.57N 36.37E 5 5.0L,4.1s
PDA VII 22 09 26 02.9 37.55N 36.38E 8 5.0b,4.1s
NIC VII 22 09 26 02.1–.40 37.66N 36.64E 12 5.0b,4.7L
NEIC VII 22 09 26 03.0–.00 37.55N 36.38E 8 5.0L,5.0b
ISK VII 22 09 26 02.7 37.54N 36.38E 10–0 5.0L,5.0b
BJI VII 22 09 26 02.0 37.50N 36.40E 8 5.1b,5.1b
GCMT VII 22 09 26 03.0–.30 37.34N 36.23E 19–1 4.8W,5.1b
MOS VII 22 09 26 04.1–1.2 37.62N 36.34E 17 5.2b,4.1s
CSEM VII 22 09 26 04.1–.07 37.54N 36.38E 10 5.0b,4.1s
PDG VII 22 09 26 04.1–.78 37.62N 36.46E 9–3 4.8L,4.1s
DSN VII 22 09 26 04.0–.69 37.38N 36.17E 8 5.2b,4.1s
GII VII 22 09 26 04.0–.16 37.63N 36.65E 10 5.2b,4.1s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=6.2.
IDC Error ellipse: s-maj=9.8km s-min=7.7km az=2.0.
IASPE Event type fe. Error ellipse: s-maj=3.6km s-min=3.3km az=46.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
NEIC Event type fe. Felt at Adana. After ISK.
ISK Event type ke.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s22,c22; s76,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.81±.17 $M_{\theta\theta}$0.23±.10; $M_{\phi\phi}$1.58±.11; $M_{r\theta}$-0.50±.26; $M_{\theta\phi}$1.03±.06; $M_{\phi r}$-0.33±.18; Best double couple: NP1:ϕ_s38.00000°,δ53.00000°,λ-78.00000°. NP2:ϕ_s198.00000°,δ38.00000°,λ-106.00000°. Principal axes: T 2.2050,Plg7.0000°,Azm119.0000°; N -0.2780,Plg10.0000°,Azm211.0000°; P -1.9280,Plg78.0000°,Azm352.0000° $M_0$2.06600×10^{16}
MOS Error ellipse: s-maj=3.9km s-min=2.5km az=117.3.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=173.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=3.2km az=0.0.
DSN Error ellipse: s-maj=12.2km s-min=7.5km az=71.0.
GII Event type ke.
ISC VII 22 10 02 31.4–1.9 39.83N–.09 35.00E–.07 14–18 20 0-2
CSEM VII 22 10 02 34.7 40.01N 34.83E 7 2.5L ¶602995011
DDA VII 22 10 02 34.7 40.01N 34.83E 7 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 23 09 39 36.8–1.1 38.80N–.02 30.39E–.02 10–10 56 0-2
ISCJB VII 23 09 39 36.9–.49 38.80N–.03 30.37E–.03 6–5 ¶601831566
DDA VII 23 09 39 36.6 38.79N 30.36E 7 2.5L
CSEM VII 23 09 39 36.8–.12 38.80N 30.40E 10 2.5L
ISK VII 23 09 39 36.5 38.82N 30.39E 10–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=29.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=22.0.
ISK Event type ke.
ISC VII 23 10 59 10.7–.89 39.11N–.02 29.12E–.02 9–5 53 0-2
ISCJB VII 23 10 59 10.6–.37 39.09N–.03 29.12E–.03 9–3 ¶601831569
CSEM VII 23 10 59 10.6–.08 39.11N 29.12E 5 2.1L
DDA VII 23 10 59 10.2 39.12N 29.12E 9 2.5L
ISK VII 23 10 59 10.4 39.11N 29.12E 5–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=167.9.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=140.0.
ISK Event type ke.
ISC VII 23 15 09 07.2–1.0 39.76N–.02 32.59E–.03 8–9 44 0-2
ISK VII 23 15 09 05.9 39.78N 32.56E 3–0 2.1L ¶601831575
ISCJB VII 23 15 09 06.6–.55 39.75N–.03 32.55E–.04 8–5 2.1L

CSEM VII 23 15 09 06.6–.13 39.77N 32.56E 5 2.1L
DDA VII 23 15 09 07.1 39.75N 32.65E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=168.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=155.0.
ISC VII 23 17 59 08.9–.82 37.59N–.03 36.35E–.02 4–5 45 0-2
ISCJB VII 23 17 59 08.9–.49 37.61N–.02 36.34E–.03 1–5 ¶601831586
CSEM VII 23 17 59 08.9–.15 37.59N 36.33E 5 2.7L
DDA VII 23 17 59 08.6 37.62N 36.33E 5 2.7L
ISK VII 23 17 59 08.6 37.61N 36.39E 5–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=143.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=11.0.
ISK Event type ke.
DDA VII 23 17 59 40.1 39.12N 29.14E 7 2.0L
¶602995056
ISC VII 23 18 16 53.3–.95 38.65N–.02 43.15E–.03 13–8 42 0-1
ISK VII 23 18 16 51.8 38.61N 43.16E 19–0 2.3L ¶601831587
ISCJB VII 23 18 16 53.6–.46 38.65N–.03 43.16E–.03 10–5 2.3L
CSEM VII 23 18 16 53.0–.19 38.65N 43.15E 10 2.3L
DDA VII 23 18 16 53.2 38.67N 43.16E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=157.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=74.0.
ISC VII 24 01 43 26.0–.93 38.80N–.03 27.79E–.03 14–6 36 0-1
DDA VII 24 01 43 25.4 38.80N 27.79E 16 2.5L ¶601831604
ISK VII 24 01 43 25.8 38.80N 27.79E 13–5 2.3L
ISCJB VII 24 01 43 26.1–.51 38.78N–.03 27.81E–.04 10–4 2.3L
CSEM VII 24 01 43 26.0–.12 38.80N 27.79E 12 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=32.9.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=121.0.
ISC VII 24 16 00 37.2–1.1 39.16N–.07 28.99E–.04 17–4 28 0-1
ISCJB VII 24 16 00 38.3–.93 39.11N–.07 29.00E–.05 14–4 ¶601831653
CSEM VII 24 16 00 38.2–.22 39.13N 28.96E 12 1.6L
ISK VII 24 16 00 38.7 39.12N 29.03E 10–0 1.6L
DDA VII 24 16 00 38.4 39.11N 29.01E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.4km az=165.8.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.2km az=151.0.
ISK Event type ke.
ISC VII 24 16 50 43.1–1.2 38.01N–.03 35.64E–.02 4–11 35 0-2
ISK VII 24 16 50 41.6 38.05N 35.56E 5–0 2.1L ¶601831655
CSEM VII 24 16 50 42.9–.22 38.03N 35.63E 5 2.6L
ISCJB VII 24 16 50 43.1–.57 38.02N–.04 35.62E–.03 3–6 2.6L
DDA VII 24 16 50 43.2 38.00N 35.64E 7 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.1km az=164.1.
ISC VII 24 19 41 20.6–.93 38.69N–.02 43.17E–.02 10–7 53 0-1
ISK VII 24 19 41 19.1 38.69N 43.14E 9–0 2.6L ¶601831658
CSEM VII 24 19 41 20.1–.27 38.66N 43.18E 10 2.6L
DDA VII 24 19 41 20.3 38.68N 43.21E 7 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.3km az=109.0.
ISC VII 24 21 38 55.6–1.1 40.73N–.03 35.26E–.04 9–10 40 0-2
ISCJB VII 24 21 38 55.7–.57 40.74N–.03 35.24E–.05 3–6 ¶601831660
CSEM VII 24 21 38 55.8–.18 40.73N 35.24E 10 2.9L
DDA VII 24 21 38 55.4 40.77N 35.13E 8 2.9L
ISK VII 24 21 38 55.1 40.73N 35.27E 5–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.4km az=34.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=2.9km az=125.0.
ISK Event type ke.
ISC VII 24 22 53 41.5–.65 38.66N–.01 43.40E–.01 12–4 4.3b,3.4s 581 0-99
ISN VII 24 22 53 30.1–.83 39.35N 43.56E 0–55 4.4L,3.4s ¶601467944
THR VII 24 22 53 37.1–1.3 38.74N 43.11E 15–15 3.7L,3.4s
IDC VII 24 22 53 38.7–.72 38.61N 43.37E 0 4.1,4.0
AZER VII 24 22 53 38.8–.45 38.51N 42.95E 28–14 4.5L,4.0
ISCJB VII 24 22 53 40.0–.35 38.66N–.01 43.39E–.01 6–2 4.2b,3.4s
DDA VII 24 22 53 39.5 38.65N 43.34E 13 4.3L,3.4s
MOS VII 24 22 53 39.2–1.6 38.55N 43.45E 9 4.5b,3.4s
NEIC VII 24 22 53 39.6–.00 38.69N 43.43E 5 4.5b,4.3L
ISK VII 24 22 53 39.2 38.68N 43.46E 5–0 4.4L,4.3L
BJI VII 24 22 53 40.0 38.70N 43.40E 6 4.8b,4.6b
CSEM VII 24 22 53 40.3–.09 38.70N 43.36E 2 4.4b,4.6b
GII VII 24 22 53 40.4–.00 38.76N 43.47E 2 4.4b,4.6b
TEH VII 24 22 53 40.3 38.73N 43.39E 10 3.8L,4.6b
ISC Event type ke.
ISN Error ellipse: s-maj=71.0km s-min=9.9km az=-1.0.
THR Error ellipse: s-maj=19.3km s-min=18.0km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=10.7km az=167.0.
AZER Error ellipse: s-maj=11.0km s-min=2.7km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=147.1.
DDA Event type ke.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=99.5.
NEIC Event type se. After ISK.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=14.0.
GII Event type ke.
ISC VII 24 23 16 18.7–1.1 38.70N–.03 43.33E–.03 14–8 37 0-1
ISK VII 24 23 16 16.8 38.71N 43.30E 5–0 2.1L ¶601831667
ISCJB VII 24 23 16 18.4–.61 38.69N–.04 43.33E–.04 10–6 2.1L
CSEM VII 24 23 16 18.4–.27 38.71N 43.32E 5 2.1L
DDA VII 24 23 16 18.4 38.69N 43.34E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=133.0.
ISC VII 25 01 05 07.8–1.6 38.72N–.02 43.28E–.03 2–14 31 0-1
ISK VII 25 01 05 06.8 38.68N 43.30E 5–0 2.2L ¶601831672
CSEM VII 25 01 05 07.8–.22 38.72N 43.29E 15 2.2L
ISCJB VII 25 01 05 08.2–.58 38.71N–.03 43.28E–.05 11–7 2.2L
DDA VII 25 01 05 08.3 38.73N 43.26E 7 2.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=33.0.
ISC VII 25 01 21 24.8–1.0 38.69N–.03 43.27E–.04 9–9 28 0-1
ISK VII 25 01 21 23.3 38.68N 43.26E 3–1 2.2L ¶601831674
ISCJB VII 25 01 21 24.7–.60 38.69N–.03 43.28E–.07 4–8 2.2L
DDA VII 25 01 21 24.4 38.70N 43.32E 7 2.6L
CSEM VII 25 01 21 24.3–.28 38.68N 43.26E 2 2.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.8km az=10.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=94.0.
ISC VII 25 01 50 45.1–.83 38.70N–.02 43.38E–.02 11–6 142 0-4
ISCJB VII 25 01 50 43.8–.56 38.67N–.02 43.43E–.02 1–4 ¶601831677
DDA VII 25 01 50 43.7 38.70N 43.33E 5 3.3L
ISK VII 25 01 50 43.9 38.68N 43.35E 5–0 3.3L
CSEM VII 25 01 50 44.6–.13 38.70N 43.41E 5 3.3L
AZER VII 25 01 50 45.7–1.5 38.71N 43.28E 26–47 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=149.3.
ISK Event type ke.

CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=145.0.
AZER Error ellipse: s-maj=36.4km s-min=8.1km az=59.0.
ISC VII 25 02 26 02.5–1.3 37.53N–.03 36.28E–.03 2–11 29 0-1
ISK VII 25 02 26 01.6 37.53N 36.26E 8–2 2.2L ¶601831679
CSEM VII 25 02 26 02.6–.33 37.54N 36.26E 0–5 2.8L
DDA VII 25 02 26 03.3 37.53N 36.26E 7 2.8L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=7.0.
ISC VII 25 05 08 11.4–.94 39.84N–.02 40.47E–.03 11–8 33 0-2
ISK VII 25 05 08 10.9 39.86N 40.55E 7–0 2.2L ¶601831683
ISCJB VII 25 05 08 11.5–.50 39.83N–.03 40.49E–.06 5–8 2.2L
DDA VII 25 05 08 11.0 39.84N 40.47E 7 2.5L
CSEM VII 25 05 08 11.1–.11 39.85N 40.47E 2 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.9km az=162.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=48.0.
ISC VII 25 06 34 30.0–1.4 38.70N–.02 43.09E–.02 5–12 42 0-2
ISK VII 25 06 34 29.9 38.72N 43.09E 6–0 2.6L ¶601831687
DDA VII 25 06 34 30.1 38.65N 43.14E 7 2.6L
CSEM VII 25 06 34 30.6–.26 38.70N 43.08E 5 2.6L
ISCJB VII 25 06 34 31.0–.47 38.72N–.03 43.09E–.03 8–5 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 25 14 59 46.7–.86 39.63N–.03 43.56E–.02 12–6 51 0-2
ISCJB VII 25 14 59 47.0–.43 39.63N–.03 43.55E–.03 0–7 ¶601831724
DDA VII 25 14 59 47.0 39.61N 43.61E 15 3.1L
CSEM VII 25 14 59 46.7–.18 39.64N 43.56E 10 3.1L
ISK VII 25 14 59 46.3 39.61N 43.55E 5–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=167.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=151.0.
ISK Event type ke.
ISC VII 25 15 47 09.4–.98 40.14N–.02 31.71E–.03 8 31 0-1
ISCJB VII 25 15 47 09.5–.58 40.14N–.03 31.72E–.05 8 ¶601831729
DDA VII 25 15 47 09.1 40.19N 31.67E 7 2.3L
ISK VII 25 15 47 09.9 40.11N 31.65E 8–0 2.5L
CSEM VII 25 15 47 10.1–.18 40.11N 31.67E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=17.2.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=39.0.
ISC VII 25 16 39 17.5–1.3 37.35N–.05 42.63E–.03 4–11 41 0-3
ISK VII 25 16 39 16.8 37.33N 42.57E 5–0 2.5L ¶601831731
DDA VII 25 16 39 17.5 37.36N 42.61E 8 2.6L
CSEM VII 25 16 39 18.2–.33 37.38N 42.62E 2 2.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.0km az=10.0.
ISC VII 25 16 58 19.1–.88 40.34N–.03 27.41E–.02 14–7 47 0-2
ISCJB VII 25 16 58 18.9–.39 40.35N–.03 27.42E–.04 12–4 ¶601831733
DDA VII 25 16 58 19.0 40.33N 27.39E 10 2.5L
ISK VII 25 16 58 18.7 40.34N 27.41E 12–0 1.7L
CSEM VII 25 16 58 19.1–.08 40.34N 27.41E 12 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=28.1.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=10.0.
ISC VII 25 21 28 29.3–.76 40.43N–.01 26.19E–.01 14–5 3.7b,3.2s 935 0-74
SKO VII 25 21 28 17.1 40.05N 27.17E 0 4.8L,3.9 ¶601472500
DDA VII 25 21 28 28.9 40.43N 26.22E 28 4.6L,3.9
NEIC VII 25 21 28 28.8–.00 40.43N 26.19E 14 4.6L,4.3L
IDC VII 25 21 28 28.1–.66 40.42N 26.18E 0 3.7L,3.7
MOS VII 25 21 28 28.1–1.2 40.47N 26.23E 13 4.0b,3.7
ISK VII 25 21 28 28.9 40.43N 26.20E 17–0 4.6L,3.7
ISCJB VII 25 21 28 29.3–.20 40.443N–.01 26.15E–.01 24–2 3.7b,3.2s
PDG VII 25 21 28 29.2–.52 40.42N 26.19E 20–0 4.2L,3.2s
CSEM VII 25 21 28 29.7–.05 40.41N 26.18E 15 3.9b,3.2s
ATH VII 25 21 28 29.2 40.42N 26.13E 31–0 4.3L,3.2s
THE VII 25 21 28 30.3 40.44N 26.13E 17–0 4.3L,3.2s
BEO VII 25 21 28 32.7–1.3 40.64N 26.12E 16–7 4.3L,3.2s
TIR VII 25 21 28 53.1 40.43N 26.19E 14 4.6,3.2s
ISC Event type ke.
DDA Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=11.6km s-min=9.1km az=39.0.
MOS Error ellipse: s-maj=4.5km s-min=3.2km az=95.4.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=18.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=12.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=59.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=81.0.
BEO Event type ke.
ISC VII 26 07 45 41.7–.83 38.71N–.02 43.38E–.02 10–6 126 0-4
AZER VII 26 07 45 35.3–1.1 38.44N 42.95E 5 3.4L ¶601831759
ISK VII 26 07 45 39.8 38.70N 43.35E 3–0 3.6L
CSEM VII 26 07 45 40.9–.13 38.70N 43.39E 5 3.6L
ISCJB VII 26 07 45 41.2–.37 38.71N–.02 43.37E–.03 6–3 3.6L
DDA VII 26 07 45 41.0 38.71N 43.36E 7 3.8L
ISC Event type ke.
AZER Error ellipse: s-maj=13.0km s-min=4.0km az=6.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=28.9.
DDA Event type ke.
ISC VII 26 08 50 08.5–.97 41.03N–.05 38.08E–.03 16–8 41 0-3
ISCJB VII 26 08 50 08.4–.76 41.06N–.07 38.05E–.05 19–6 ¶601831762
CSEM VII 26 08 50 08.1–.40 41.06N 38.06E 15 2.6L
ISK VII 26 08 50 08.6 41.10N 38.13E 30–0 2.5L
DDA VII 26 08 50 09.3 40.94N 38.04E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.0km az=178.5.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=6.8km az=176.0.
ISK Event type ke.
ISC VII 26 12 24 46.6–1.1 38.21N–.03 35.92E–.03 4–10 31 0-2
DDA VII 26 12 24 47.0 38.18N 35.94E 7 2.7L ¶602995124
CSEM VII 26 12 24 47.0 38.18N 35.94E 7 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 26 13 08 25.3–1.2 38.78N–.03 38.95E–.03 15–10 30 0-1
ISK VII 26 13 08 23.8 38.77N 38.87E 19–0 2.0L ¶601831768
DDA VII 26 13 08 25.7 38.74N 38.98E 7 2.7L
CSEM VII 26 13 08 25.3–.33 38.78N 38.99E 15 2.7L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.9km az=163.0.
ISC VII 26 13 08 55.4–1.3 38.87N–.06 37.29E–.05 9–9 25 0-2
CSEM VII 26 13 08 54.8–.45 38.87N 37.18E 5 2.5L ¶601831771
ISK VII 26 13 08 55.2 38.82N 37.36E 5–0 2.0L
ISCJB VII 26 13 08 56.5–.97 38.84N–.06 37.31E–.05 7–9 2.0L
DDA VII 26 13 08 56.1 38.87N 37.29E 7 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.3km az=120.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=165.6.
ISC VII 26 16 27 10.0–1.3 37.29N–.06 42.66E–.03 5–10 36 0-3
ISN VII 26 16 27 04.6–.30 36.77N 42.77E 0 2.5L ¶601831784

CSEM VII 26 16 27 07.1–.50 36.92N 42.60E 5 2.2L
ISK VII 26 16 27 08.7 37.27N 42.54E 5–0 2.5L
ISCJB VII 26 16 27 09.8–1.0 37.26N–.06 42.59E–.04 3–7 2.5L
DDA VII 26 16 27 10.9 37.35N 42.62E 6 2.2L
ISC Event type ke.
ISN Error ellipse: s-maj=2.1km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=8.2km az=21.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.0km az=18.9.
ISC VII 26 16 40 21.2–.94 40.11N–.02 35.19E–.01 9–8 120 0-3
DDA VII 26 16 40 20.5 40.08N 35.18E 8 3.5L **¶601831785**
ISK VII 26 16 40 20.5 40.12N 35.21E 5–0 2.9L
CSEM VII 26 16 40 21.1–.10 40.11N 35.21E 2 3.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke.
ISC VII 26 18 25 49.7–1.0 38.84N–.04 43.48E–.05 19–2 26 0-1
ISK VII 26 18 25 47.9 38.83N 43.46E 5–0 2.0L **¶601831788**
DDA VII 26 18 25 49.0 38.76N 43.59E 7 2.6L
ISCJB VII 26 18 25 49.3–1.1 38.80N–.05 43.60E–.09 25–7 2.6L
CSEM VII 26 18 25 49.5–.41 38.87N 43.43E 5 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.1km az=34.8.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=8.0km az=132.0.
ISC VII 26 19 07 07.8–.97 38.26N–.03 29.71E–.03 9–8 44 0-2
ISCJB VII 26 19 07 08.5–.52 38.28N–.04 29.68E–.04 5–5 **¶601831789**
ISK VII 26 19 07 08.8 38.31N 29.65E 5–0 2.1L
CSEM VII 26 19 07 08.5–.11 38.28N 29.69E 5 2.1L
DDA VII 26 19 07 08.3 38.27N 29.67E 11 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=35.2.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=37.0.
ISC VII 26 19 27 17.6–1.1 37.26N–.04 42.53E–.02 8–8 95 0-3
ISN VII 26 19 27 09.5–1.1 37.05N 42.68E 3–8 2.9L **¶601831790**
CSEM VII 26 19 27 17.8–.38 37.24N 42.52E 5 2.8L
DDA VII 26 19 27 17.7 37.25N 42.52E 5 3.2L
ISK VII 26 19 27 17.8 37.33N 42.54E 13–0 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=6.6km s-min=6.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.4km az=6.0.
ISK Event type ke.
ISC VII 26 20 28 06.4–1.0 38.47N–.02 42.91E–.02 6–9 49 0-2
ISCJB VII 26 20 28 06.9–.44 38.44N–.02 42.88E–.03 6–5 **¶601831793**
CSEM VII 26 20 28 06.5–.21 38.48N 42.91E 10 2.6L
ISK VII 26 20 28 06.2 38.50N 42.86E 9–0 2.0L
DDA VII 26 20 28 06.8 38.42N 42.93E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=27.4.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=135.0.
ISK Event type ke.
ISC VII 27 01 02 15.4–.82 39.09N–.03 29.14E–.02 11–5 53 0-2
DDA VII 27 01 02 15.0 39.11N 29.16E 7 2.5L **¶601831801**
ISCJB VII 27 01 02 15.6–.39 39.07N–.03 29.15E–.03 9–3 2.5L
CSEM VII 27 01 02 15.5–.16 39.08N 29.15E 8 1.8L
ISK VII 27 01 02 15.3 39.10N 29.15E 5–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=172.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=167.0.
ISK Event type ke.
ISC VII 27 07 36 03.1–.92 37.75N–.03 32.41E–.06 11–5 33 0-2
DDA VII 27 07 36 02.9 37.74N 32.37E 12 2.5L **¶601831807**
CSEM VII 27 07 36 02.9–.08 37.75N 32.41E 10 1.8L
ISK VII 27 07 36 02.3 37.75N 32.42E 9–0 1.8L
ISCJB VII 27 07 36 03.0–.56 37.76N–.04 32.43E–.07 12–4 1.8L
ISC Event type ke.
CSEM Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VII 27 07 37 05.4–1.0 39.64N–.04 29.76E–.03 6 27 0-1
ISK VII 27 07 37 03.9 39.68N 29.72E 2–0 2.1L **¶601831808**
ISCJB VII 27 07 37 04.9–.65 39.63N–.06 29.76E–.06 6 2.1L
CSEM VII 27 07 37 04.9–.20 39.65N 29.76E 2 2.1L
DDA VII 27 07 37 05.1 39.53N 29.87E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.0km az=141.4.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=143.0.
ISC VII 27 13 47 05.2–.87 39.18N–.03 29.48E–.03 15–5 42 0-1
ISCJB VII 27 13 47 05.0–.44 39.20N–.03 29.45E–.05 10–4 **¶601831822**
ISK VII 27 13 47 04.2 39.17N 29.51E 5–0 1.8L
CSEM VII 27 13 47 04.9–.12 39.18N 29.48E 10 2.5L
DDA VII 27 13 47 05.1 39.21N 29.44E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=34.1.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.0km az=130.0.
ISC VII 27 16 02 37.9–.94 38.70N–.03 43.24E–.03 26–8 30 0-1
ISCJB VII 27 16 02 39.1–.81 38.68N–.04 43.19E–.05 22–9 **¶602995163**
DDA VII 27 16 02 39.4 38.68N 43.20E 7 2.9L
CSEM VII 27 16 02 39.4 38.68N 43.20E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.3km az=151.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 27 22 47 14.7–1.0 38.74N–.04 43.55E–.05 30–7 28 0-1
CSEM VII 27 22 47 14.3–.33 38.72N 43.54E 30 1.9L **¶601831837**
ISK VII 27 22 47 14.8 38.75N 43.42E 22–0 1.9L
DDA VII 27 22 47 15.7 38.77N 43.50E 7 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=6.3km az=127.0.
ISK Event type ke.
ISC VII 28 01 24 15.2–1.2 36.36N–.03 30.96E–.02 5–8 3.4b 226 1-39
DDA VII 28 01 24 14.9 36.39N 31.04E 10 3.5L **¶601666550**
ISK VII 28 01 24 14.6 36.44N 30.90E 5–0 3.5L
THE VII 28 01 24 15.7 36.16N 31.26E 27–37 3.2L
ISCJB VII 28 01 24 15.3–.59 36.32N–.02 30.92E–.02 8–4 3.3b,2.5s
CSEM VII 28 01 24 16.3–.11 36.36N 30.89E 5 3.5L,2.5s
NIC VII 28 01 24 17.7–.40 36.19N 31.09E 5 3.5L,2.5s
IDC VII 28 01 24 19.6–1.7 36.50N 30.89E 39–20 3.4,3.4
GII VII 28 01 25 19.6–.00 36.34N 30.84E 30 3.1,3.4
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=38.0km s-min=1.9km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=39.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=31.0.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=38.0.
GII Event type ke.
ISC VII 28 01 26 45.6–1.1 36.41N–.03 30.91E–.02 12–8 3.4b 128 1-37
IDC VII 28 01 26 43.4–1.7 36.58N 30.78E 0 3.4,3.4 **¶601666551**
ISK VII 28 01 26 43.5 36.43N 30.90E 5–0 3.3L,3.4
ISCJB VII 28 01 26 44.2–.72 36.36N–.03 30.89E–.03 2–5 3.3b,3.4
GII VII 28 01 26 45.6–.00 36.45N 30.88E 2 3.3b,3.4
CSEM VII 28 01 26 45.3–.20 36.40N 30.91E 2 3.3L,3.4
DDA VII 28 01 26 46.6 36.38N 30.98E 37 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=22.0km az=150.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=29.2.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=7.0.

ISC VII 28 03 13 45.1–1.4 38.71N–.04 43.71E–.05 7–11 33 0-2
DDA VII 28 03 13 45.6 38.68N 43.72E 7 2.7L **¶601831849**
CSEM VII 28 03 13 45.3–.28 38.64N 43.72E 15 2.1L
ISK VII 28 03 13 45.3 38.63N 43.71E 15–0 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.1km az=126.0.
ISK Event type ke.
ISC VII 28 03 22 38.5–1.3 38.67N–.08 43.46E–.08 33–5 20 0-1
ISCJB VII 28 03 22 37.4–1.6 38.58N–.07 43.53E–.10 40–11 **¶602995170**
CSEM VII 28 03 22 39.4 38.69N 43.35E 7 2.6L
DDA VII 28 03 22 39.4 38.69N 43.35E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.0km az=41.5.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 28 07 58 11.8–.00 38.48N–.03 40.61E–.03 11–8 24 0-1
ISK VII 28 07 58 10.6 38.51N 40.58E 4–1 1.8L **¶601831854**
ISCJB VII 28 07 58 11.2–.73 38.51N–.04 40.60E–.07 5–12 1.8L
DDA VII 28 07 58 11.1 38.51N 40.64E 6 2.5L
CSEM VII 28 07 58 11.3–.32 38.48N 40.57E 12 1.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.4km az=14.5.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.8km az=25.0.
ISC VII 28 16 51 52.4–.89 40.09N–.02 38.35E–.02 17–8 53 0-2
ISK VII 28 16 51 51.2 40.09N 38.34E 9–0 2.8L **¶601831882**
ISCJB VII 28 16 51 52.1–.50 40.10N–.03 38.37E–.04 9–5 2.8L
CSEM VII 28 16 51 52.0–.17 40.10N 38.34E 10 3.0L
DDA VII 28 16 51 52.0 40.07N 38.33E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=40.3.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=119.0.
ISC VII 28 19 09 21.0–1.1 39.72N–.02 38.87E–.02 6–9 142 0-3
ISK VII 28 19 09 19.1 39.74N 38.86E 5–0 3.3L **¶601831887**
DDA VII 28 19 09 20.4 39.71N 38.82E 5 3.5L
CSEM VII 28 19 09 20.6–.12 39.72N 38.89E 2 3.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=133.0.
ISC VII 29 02 36 38.7–1.1 38.74N–.02 43.60E–.02 4–10 137 0-3
AZER VII 29 02 36 35.2–1.0 38.19N 43.52E 2 3.6L **¶601831893**
ISK VII 29 02 36 37.2 38.74N 43.57E 5–0 3.3L
DDA VII 29 02 36 37.1 38.71N 43.68E 5 3.6L
CSEM VII 29 02 36 38.0–.17 38.73N 43.57E 5 3.3L
ISC Event type ke.
AZER Error ellipse: s-maj=10.2km s-min=8.8km az=102.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=114.0.
ISC VII 29 05 45 14.3–.91 38.74N–.03 43.59E–.03 17–6 43 0-2
ISCJB VII 29 05 45 13.7–.75 38.73N–.03 43.65E–.06 15–4 **¶601831894**
CSEM VII 29 05 45 13.3–.32 38.73N 43.59E 10 2.1L
DDA VII 29 05 45 13.0 38.71N 43.59E 7 2.7L
ISK VII 29 05 45 13.4 38.75N 43.53E 17–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.9km az=21.1.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=114.0.
ISK Event type ke.
ISC VII 29 22 16 35.8–.92 38.72N–.02 43.16E–.02 10–8 60 0-2
ISK VII 29 22 16 34.9 38.69N 43.16E 9–0 2.6L **¶601831917**
DDA VII 29 22 16 35.8 38.67N 43.23E 7 2.8L
CSEM VII 29 22 16 35.8–.19 38.70N 43.20E 10 2.6L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=133.0.
ISC VII 30 08 27 26.9–1.0 39.05N–.03 29.75E–.03 11–8 36 0-1
ISCJB VII 30 08 27 26.3–.68 39.04N–.03 29.78E–.05 3–7 **¶601831934**
ISK VII 30 08 27 26.3 39.06N 29.74E 8–2 1.9L
CSEM VII 30 08 27 26.5–.13 39.05N 29.77E 8 2.6L
DDA VII 30 08 27 27.9 39.00N 29.68E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=33.7.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=125.0.
ISC VII 30 14 13 16.5–.94 37.14N–.03 37.16E–.03 4–6 35 0-1
ISK VII 30 14 13 15.7 37.15N 37.13E 5–0 2.1L **¶601831958**
ISCJB VII 30 14 13 16.9–.57 37.14N–.03 37.15E–.04 3–5 2.1L
CSEM VII 30 14 13 16.6–.26 37.14N 37.17E 8 2.1L
DDA VII 30 14 13 17.1 37.14N 37.18E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=42.4.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=43.0.
ISC VII 30 19 03 49.0–.96 38.03N–.04 35.39E–.03 20–4 42 0-3
ISCJB VII 30 19 03 49.7–.48 38.03N–.04 35.49E–.03 9–5 **¶601831969**
DDA VII 30 19 03 49.5 38.02N 35.50E 7 2.7L
CSEM VII 30 19 03 49.7–.18 38.04N 35.49E 5 2.7L
ISK VII 30 19 03 49.5 38.00N 35.47E 5–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=162.0.
ISK Event type ke.
ISC VII 30 20 30 39.3–.97 38.76N–.02 43.63E–.03 19–1 53 0-2
DDA VII 30 20 30 38.7 38.73N 43.67E 7 2.6L **¶601831973**
ISK VII 30 20 30 38.6 38.77N 43.56E 7–0 2.1L
CSEM VII 30 20 30 39.0–.23 38.75N 43.62E 10 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=112.0.
ISC VII 30 20 49 15.2–1.0 38.76N–.02 38.20E–.02 8–9 51 0-2
ISK VII 30 20 49 14.6 38.76N 38.20E 6–0 2.2L **¶601831975**
CSEM VII 30 20 49 15.0–.20 38.76N 38.19E 2 2.7L
DDA VII 30 20 49 15.3 38.79N 38.22E 7 2.7L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=170.0.
DDA Event type ke.
ISC VII 30 21 15 05.7–.93 38.84N–.03 43.56E–.03 16–7 31 0-1
ISCJB VII 30 21 15 05.5–1.1 38.84N–.04 43.62E–.07 24–8 **¶601831977**
CSEM VII 30 21 15 05.3–.25 38.85N 43.55E 15 2.8L
DDA VII 30 21 15 05.9 38.85N 43.54E 7 2.8L
ISK VII 30 21 15 05.0 38.84N 43.52E 11–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.8km az=24.2.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=133.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 31 06 48 23.6–.95 38.67N–.02 27.63E–.02 15–8 46 0-1
ISCJB VII 31 06 48 23.6–.47 38.67N–.02 27.62E–.03 5–5 **¶601832001**
CSEM VII 31 06 48 23.8–.10 38.68N 27.62E 10 2.6L
DDA VII 31 06 48 23.2 38.67N 27.60E 15 2.6L
ISK VII 31 06 48 23.6 38.63N 27.64E 9–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=37.7.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=130.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 31 13 26 56.8–1.3 40.03N–.04 38.92E–.04 4–12 25 0-1
ISCJB VII 31 13 26 57.5–.60 40.06N–.04 38.86E–.04 9–9 **¶601832018**
CSEM VII 31 13 26 57.5–.27 40.04N 38.87E 10 2.6L
DDA VII 31 13 26 57.2 40.02N 38.84E 7 2.6L

ISK	VII	31 13 26 58.4	40.13N	38.91E	22–0	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=174.1.							
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=155.0.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**VII**	**31 16 46 23.4–1.4**	**37.34N–.06**	**42.65E–.03**	**2–10**		**61**	**0-3**
ISN	VII	31 16 46 21.9–3.1	37.24N	42.57E	15	3.0L		¶601832025
ISK	VII	31 16 46 22.8	37.35N	42.57E	5–0	2.6L		
ISCJB	VII	31 16 46 23.5–.88	37.33N–.06	42.61E–.04	2–6	2.6L		
DDA	VII	31 16 46 23.2	37.32N	42.57E	8	3.0L		
CSEM	VII	31 16 46 24.2–.38	37.36N	42.64E	10	2.6L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=29.7km s-min=29.9km az=-1.0.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.8km s-min=4.5km az=12.8.							
CSEM	Event type ke. Error ellipse: s-maj=13.9km s-min=5.1km az=9.0.							
ISC	**VII**	**31 21 43 24.7–1.0**	**38.64N–.03**	**43.17E–.02**	**15–8**		**38**	**0-1**
DDA	VII	31 21 43 23.6	38.59N	43.09E	7	2.5L		¶601832030
ISK	VII	31 21 43 23.5	38.60N	43.15E	17–3	2.0L		
CSEM	VII	31 21 43 24.3–.26	38.62N	43.15E	15	2.0L		
ISCJB	VII	31 21 43 25.0–.54	38.64N–.03	43.13E–.03	5–8	2.0L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**VII**	**31 21 58 36.8–.87**	**38.66N–.02**	**43.05E–.02**	**15–6**	**3.3b**	**206**	**0-64**
IDC	VII	31 21 58 35.9–1.9	38.79N	43.19E	0	3.5b,3.3		¶601650851
ISK	VII	31 21 58 35.5	38.68N	43.03E	5–0	3.5L,3.3		
DDA	VII	31 21 58 35.9	38.66N	43.09E	21	3.9L,3.3		
CSEM	VII	31 21 58 36.8–.11	38.66N	43.07E	10	3.5L,3.3		
ISCJB	VII	31 21 58 36.1–.41	38.64N–.02	43.11E–.02	6–3	3.6s,3.2b		
AZER	VII	31 21 58 39.2–1.3	38.59N	43.15E	21	3.5L,3.2b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=35.2km s-min=17.1km az=167.0.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=156.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=158.2.							
AZER	Error ellipse: s-maj=13.8km s-min=7.3km az=63.0.							
ISC	**VII**	**31 22 00 43.2–1.1**	**38.66N–.03**	**43.03E–.03**	**14–12**		**32**	**0-1**
ISK	VII	31 22 00 42.5	38.65N	43.03E	13–3	2.5L		¶601832033
DDA	VII	31 22 00 43.7	38.66N	43.09E	7	3.0L		
CSEM	VII	31 22 00 43.3–.20	38.67N	43.02E	10	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=163.0.							
ISC	**VII**	**31 22 01 44.9–1.6**	**38.67N–.03**	**43.05E–.03**	**16–13**		**31**	**0-1**
ISK	VII	31 22 01 44.6	38.68N	43.04E	15–1	2.2L		¶601832034
ISCJB	VII	31 22 01 45.6–.60	38.68N–.04	43.03E–.05	13–6	2.2L		
CSEM	VII	31 22 01 45.4–.22	38.68N	43.03E	10	2.2L		
DDA	VII	31 22 01 45.6	38.67N	43.08E	7	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=39.9.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=4.3km az=85.0.							
ISC	**VII**	**31 22 02 19.1–1.1**	**38.67N–.03**	**43.04E–.03**	**16–11**		**27**	**0-1**
ISK	VII	31 22 02 18.5	38.69N	43.04E	5–0	2.2L		¶601832037
DDA	VII	31 22 02 19.7	38.67N	43.07E	7	2.9L		
CSEM	VII	31 22 02 19.4–.26	38.69N	43.03E	5	2.2L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=5.3km az=57.0.							
ISC	**VII**	**31 22 03 26.9–1.1**	**38.67N–.03**	**43.05E–.03**	**10–14**		**32**	**0-1**
ISK	VII	31 22 03 26.3	38.68N	43.06E	20–1	2.4L		¶601832038
ISCJB	VII	31 22 03 27.2–.62	38.65N–.04	43.03E–.05	14–6	2.4L		
DDA	VII	31 22 03 27.4	38.63N	43.09E	7	2.7L		
CSEM	VII	31 22 03 27.2–.24	38.67N	43.04E	10	2.4L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=5.2km az=39.3.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=4.5km az=160.0.							
ISC	**VII**	**31 22 04 56.1–1.1**	**38.69N–.03**	**43.05E–.02**	**9–10**		**36**	**0-1**
ISK	VII	31 22 04 55.5	38.68N	43.04E	10–5	2.3L		¶601832039
ISCJB	VII	31 22 04 56.7–.49	38.70N–.03	43.05E–.04	8–6	2.3L		
CSEM	VII	31 22 04 56.0–.18	38.69N	43.04E	15	2.3L		
DDA	VII	31 22 04 56.4	38.69N	43.08E	7	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=138.3.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=138.0.							
ISC	**VII**	**31 22 06 18.5–1.1**	**38.70N–.03**	**43.05E–.03**	**13–13**		**32**	**0-1**
ISK	VII	31 22 06 17.9	38.68N	43.04E	13–2	2.5L		¶601832040
DDA	VII	31 22 06 18.6	38.69N	43.08E	7	2.9L		
CSEM	VII	31 22 06 18.5–.25	38.70N	43.04E	10	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=4.8km az=138.0.							
ISC	**VII**	**31 22 06 51.9–.96**	**38.63N–.03**	**43.03E–.03**	**28–7**		**31**	**0-1**
ISK	VII	31 22 06 51.9	38.67N	43.04E	14–4	2.7L		¶601832043
DDA	VII	31 22 06 52.1	38.66N	43.01E	7	3.3L		
CSEM	VII	31 22 06 52.5–.21	38.67N	43.02E	10	3.3L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=4.0km az=52.0.							
ISC	**VII**	**31 22 07 39.1–1.0**	**38.68N–.01**	**43.04E–.02**	**6–9**		**132**	**0-3**
ISK	VII	31 22 07 37.8	38.69N	43.05E	3–0	3.1L		¶601832046
DDA	VII	31 22 07 38.0	38.68N	43.02E	5	3.5L		
CSEM	VII	31 22 07 39.2–.14	38.69N	43.06E	5	3.5L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=126.0.							
ISC	**VII**	**31 22 10 08.7–1.1**	**38.69N–.03**	**43.05E–.03**	**10–11**		**33**	**0-1**
ISK	VII	31 22 10 07.6	38.67N	43.04E	5–0	2.2L		¶601832047
ISCJB	VII	31 22 10 08.5–.52	38.69N–.03	43.07E–.04	8–9	2.2L		
CSEM	VII	31 22 10 08.4–.22	38.69N	43.05E	5	2.5L		
DDA	VII	31 22 10 08.3	38.67N	43.07E	7	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=43.9.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=138.0.							
ISC	**VII**	**31 22 10 49.7–.96**	**38.65N–.04**	**43.07E–.04**	**28–9**		**32**	**0-1**
ISCJB	VII	31 22 10 49.9–.69	38.64N–.04	43.05E–.06	29–5			¶601832050
CSEM	VII	31 22 10 49.6–.26	38.64N	43.05E	20	2.0L		
ISK	VII	31 22 10 49.2	38.67N	43.06E	20–0	2.0L		
DDA	VII	31 22 10 50.1	38.67N	43.06E	7	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.6km s-min=6.8km az=31.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=147.0.							
ISK	Event type ke.							
ISC	**VII**	**31 22 19 43.8–1.1**	**38.66N–.03**	**43.04E–.03**	**17–11**		**32**	**0-1**
ISK	VII	31 22 19 42.8	38.67N	43.06E	20–3	1.8L		¶601832051
CSEM	VII	31 22 19 43.8–.23	38.67N	43.04E	10	1.8L		
ISCJB	VII	31 22 19 44.0–.61	38.67N–.04	43.03E–.05	13–7	1.8L		
DDA	VII	31 22 19 44.0	38.67N	43.10E	7	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=159.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=39.5.							
ISC	**VII**	**31 22 22 52.7–.98**	**38.69N–.02**	**43.05E–.03**	**13–10**		**37**	**0-1**
ISK	VII	31 22 22 51.7	38.68N	43.03E	5–0	2.3L		¶601832052
ISCJB	VII	31 22 22 52.9–.48	38.69N–.03	43.04E–.04	9–6	2.3L		
CSEM	VII	31 22 22 52.4–.20	38.69N	43.05E	15	2.8L		
DDA	VII	31 22 22 52.5	38.68N	43.04E	7	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=135.8.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=140.0.							
ISC	**VII**	**31 22 39 40.7–.96**	**38.67N–.03**	**43.07E–.03**	**23–8**		**36**	**0-1**
ISK	VII	31 22 39 39.9	38.66N	43.01E	5–0	2.0L		¶601832054
CSEM	VII	31 22 39 40.8–.24	38.68N	43.03E	5	2.0L		
ISCJB	VII	31 22 39 41.2–.86	38.65N–.03	43.05E–.04	21–12	2.0L		
DDA	VII	31 22 39 41.1	38.64N	43.08E	7	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=152.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=145.2.							
ISC	**VII**	**31 23 12 14.0–.68**	**38.67N–.01**	**43.09E–.01**	**11–4**	**4.1b,3.4s**	**471**	**0-73**
ISK	VII	31 23 12 11.5	38.68N	43.04E	5–0	3.9L,3.4s		¶601498059
ISN	VII	31 23 12 11.2–.73	38.57N	43.04E	0–49	4.2L,3.4s		
NEIC	VII	31 23 12 11.4–.00	38.68N	43.05E	5	4.1b,3.9L		
MOS	VII	31 23 12 12.9–1.4	38.64N	43.10E	11	4.2b,3.9L		
ISCJB	VII	31 23 12 12.3–.41	38.66N–.01	43.15E–.01	4–3	4.0b,3.3s		
DDA	VII	31 23 12 12.6	38.66N	43.05E	22	4.2L,3.3s		
IDC	VII	31 23 12 12.5–.76	38.74N	43.18E	0	3.8,3.8		
CSEM	VII	31 23 12 13.0–.09	38.66N	43.10E	2	4.2b,3.0s		
AZER	VII	31 23 12 15.8–.29	38.71N	43.15E	19–7	4.0L,3.0s		
GII	VII	31 23 12 17.5–.00	38.69N	43.09E	19	4.0L,3.0s		
ISC	Event type ke.							
ISK	Event type ke.							
ISN	Error ellipse: s-maj=58.6km s-min=5.8km az=-1.0.							
NEIC	Event type se. After ISK.							
MOS	Error ellipse: s-maj=6.3km s-min=4.9km az=90.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=154.6.							
DDA	Event type ke.							
IDC	Error ellipse: s-maj=16.4km s-min=9.5km az=163.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=162.0.							
AZER	Error ellipse: s-maj=8.8km s-min=2.0km az=60.0.							
GII	Event type ke.							
ISC	**VII**	**31 23 24 10.3–1.1**	**38.69N–.03**	**43.06E–.03**	**10–14**		**28**	**0-1**
ISK	VII	31 23 24 09.3	38.69N	43.06E	21–0	1.8L		¶601832057
CSEM	VII	31 23 24 10.5–.29	38.69N	43.03E	10	1.8L		
DDA	VII	31 23 24 10.9	38.66N	43.07E	7	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.1km s-min=5.7km az=69.0.							
ISC	**VIII**	**01 00 38 36.7–1.3**	**38.66N–.03**	**43.04E–.03**	**8–12**		**18**	**0-1**
ISK	VIII	01 00 38 36.1	38.66N	43.02E	14–0	2.1L		¶601888353
ISCJB	VIII	01 00 38 37.7–.51	38.69N–.03	43.05E–.04	9–6	2.1L		
DDA	VIII	01 00 38 37.5	38.65N	43.08E	7	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=151.0.							
DDA	Event type ke.							
ISC	**VIII**	**01 01 16 10.6–1.1**	**38.62N–.04**	**43.06E–.04**	**16–11**		**16**	**0-1**
ISK	VIII	01 01 16 09.9	38.64N	43.05E	20–0	1.8L		¶601888357
ISCJB	VIII	01 01 16 10.6–1.0	38.63N–.04	43.03E–.05	27–9	1.8L		
DDA	VIII	01 01 16 11.0	38.67N	43.07E	7	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=6.7km az=176.5.							
DDA	Event type ke.							
ISC	**VIII**	**01 01 37 03.8–1.2**	**38.68N–.03**	**43.05E–.03**	**8–11**		**20**	**0-1**
ISK	VIII	01 01 37 03.1	38.68N	43.03E	14–4	1.9L		¶601888360
DDA	VIII	01 01 37 04.5	38.67N	43.08E	7	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**VIII**	**01 05 15 46.5–.98**	**38.73N–.03**	**43.30E–.04**	**8–9**		**21**	**0-1**
ISK	VIII	01 05 15 44.9	38.69N	43.28E	14–2	2.2L		¶601888371
DDA	VIII	01 05 15 46.1	38.72N	43.30E	7	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**VIII**	**01 07 46 17.8–.86**	**38.73N–.03**	**43.30E–.03**	**12–7**		**44**	**0-3**
ISK	VIII	01 07 46 16.6	38.73N	43.29E	7–0	3.1L		¶601888375
ISCJB	VIII	01 07 46 17.3–.51	38.73N–.02	43.31E–.04	0–5	3.1L		
DDA	VIII	01 07 46 17.5	38.70N	43.30E	7	3.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=29.3.							
DDA	Event type ke.							
ISC	**VIII**	**01 08 47 00.2–1.1**	**37.80N–.02**	**38.27E–.03**	**12–9**		**28**	**0-2**
ISK	VIII	01 08 46 59.4	37.72N	38.22E	15–0	2.5L		¶601888377
ISCJB	VIII	01 08 47 00.5–.49	37.81N–.02	38.28E–.04	2–6	2.5L		
DDA	VIII	01 08 47 00.1	37.83N	38.27E	7	2.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=169.6.							
DDA	Event type ke.							
ISC	**VIII**	**01 09 09 14.5–1.4**	**38.66N–.03**	**43.07E–.03**	**1–13**		**24**	**0-1**
ISK	VIII	01 09 09 14.7	38.68N	43.03E	5–0	2.7L		¶601888382
ISCJB	VIII	01 09 09 15.7–.45	38.66N–.03	43.04E–.03	13–5	2.7L		
DDA	VIII	01 09 09 15.6	38.67N	43.07E	7	3.4L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=3.4.							
DDA	Event type ke.							
ISC	**VIII**	**01 10 01 54.8–1.1**	**37.11N–.05**	**38.86E–.04**	**14–7**		**16**	**0-2**
ISK	VIII	01 10 01 53.8	37.10N	38.73E	25–0	1.8L		¶601888387
DDA	VIII	01 10 01 56.6	37.19N	38.97E	6	2.8L		
ISCJB	VIII	01 10 01 57.1–.60	37.18N–.05	38.97E–.05	9–4	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**01 12 05 11.3–1.0**	**39.96N–.07**	**37.39E–.04**	**9**		**10**	**0-2**
DDA	VIII	01 12 05 11.0	40.02N	37.39E	7	2.5L		¶601888390
ISCJB	VIII	01 12 05 12.1–.68	39.96N–.08	37.44E–.04	9	2.5L		
ISK	VIII	01 12 05 12.1	39.91N	37.33E	5–0	1.7L		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.1km s-min=4.9km az=2.3.							
ISK	Event type ke.							
ISC	**VIII**	**01 17 37 26.3–1.0**	**37.71N–.03**	**32.34E–.05**	**6–9**		**20**	**0-2**
DDA	VIII	01 17 37 25.8	37.70N	32.38E	7	2.7L		¶601888405
ISK	VIII	01 17 37 26.7	37.76N	32.28E	9–0	1.8L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**VIII**	**01 20 25 01.5–1.2**	**38.01N–.04**	**42.98E–.04**	**13–10**		**27**	**0-2**
ISCJB	VIII	01 20 25 02.1–.60	38.05N–.03	43.02E–.05	1–7			¶601888410
DDA	VIII	01 20 25 02.3	38.05N	43.02E	7	2.9L		
ISK	VIII	01 20 25 02.2	38.07N	42.94E	6–0	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=29.5.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**VIII**	**01 20 50 05.0–1.3**	**38.69N–.04**	**43.06E–.04**	**16–12**		**15**	**0-1**
ISK	VIII	01 20 50 04.5	38.67N	43.05E	20–5	1.7L		¶601888411
DDA	VIII	01 20 50 05.8	38.70N	43.10E	7	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							

DDA Event type ke.
ISC VIII 02 02 17 55.2–1.2 38.62N–.05 43.06E–.03 6–14 14 0-1
DDA VIII 02 02 17 55.2 38.67N 43.15E 7 2.6L **¶601888422**
ISK VIII 02 02 17 55.3 38.47N 43.00E 4–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 02 02 20 50.7–1.2 38.69N–.03 43.02E–.03 7–12 26 0-2
DDA VIII 02 02 20 50.6 38.66N 43.02E 7 2.9L **¶601888423**
ISK VIII 02 02 20 50.1 38.68N 43.03E 6–0 2.5L
ISCJB VIII 02 02 20 51.1–.49 38.69N–.02 43.02E–.04 2–7 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 02 08 03 22.5–1.2 38.58N–.03 43.14E–.04 7–11 18 0-1
ISK VIII 02 08 03 21.3 38.56N 43.15E 5–0 2.4L **¶601888429**
ISCJB VIII 02 08 03 22.7–.53 38.59N–.03 43.14E–.04 9–7 2.4L
DDA VIII 02 08 03 22.3 38.58N 43.14E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=140.2.
DDA Event type ke.
ISC VIII 02 15 02 29.2–1.0 38.73N–.03 43.30E–.03 15–9 24 0-2
ISK VIII 02 15 02 27.2 38.72N 43.27E 5–0 2.5L **¶601888448**
DDA VIII 02 15 02 28.7 38.73N 43.31E 7 2.6L
ISCJB VIII 02 15 02 29.1–.52 38.73N–.03 43.30E–.04 6–6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 03 00 00 53.4–.86 39.11N–.02 29.13E–.02 12–6 45 0-2
DDA VIII 03 00 00 52.9 39.12N 29.14E 14 2.9L **¶601888470**
ISCJB VIII 03 00 00 53.7–.34 39.09N–.03 29.13E–.03 6–3 2.9L
ISK VIII 03 00 00 53.5 39.10N 29.13E 5–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=177.9.
ISK Event type ke.
ISC VIII 03 05 26 13.7–.87 39.11N–.03 29.07E–.02 9–6 42 0-2
IASPE VIII 03 05 26 13.5–.88 39.11N–.03 29.07E–.02 10–6 **¶601888483**
ISCJB VIII 03 05 26 13.5–.36 39.09N–.03 29.08E–.03 6–3
DDA VIII 03 05 26 13.0 39.12N 29.06E 10 2.9L
ISK VIII 03 05 26 13.3 39.10N 29.09E 5–0 2.5L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=176.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=174.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 03 08 42 15.7–.95 37.25N–.03 29.01E–.03 9 23 0-1
ISCJB VIII 03 08 42 15.6–.45 37.24N–.03 29.00E–.04 9 **¶601888492**
DDA VIII 03 08 42 15.5 37.25N 29.02E 7 2.6L
ISK VIII 03 08 42 15.3 37.25N 28.99E 8–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=176.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 03 10 18 21.5–.88 38.69N–.01 28.04E–.01 8–6 4.1b,3.5s 708 0-79
HLW VIII 03 10 18 18.4 38.78N 28.05E 11–12 4.8L,4.5 **¶601514492**
ISCJB VIII 03 10 18 20.5–.29 38.705N–.01 28.06E–.01 11–2 4.2b,3.7s
GII VIII 03 10 18 20.8–.00 38.35N 27.89E 5 4.2b,3.7s
ATH VIII 03 10 18 20.7 38.66N 27.96E 20–1 4.5L,3.7s
DDA VIII 03 10 18 20.2 38.72N 28.07E 23 4.6L,3.7s
ISK VIII 03 10 18 20.2 38.70N 28.03E 7–0 4.6L,3.7s
IDC VIII 03 10 18 20.2–.72 38.61N 28.09E 0 4.3L,4.1
NEIC VIII 03 10 18 20.2–.00 38.71N 28.03E 5 4.6L,4.6L
THE VIII 03 10 18 21.3 38.68N 28.02E 0–0 4.4L,4.6L
MOS VIII 03 10 18 21.8–1.2 38.69N 28.10E 23 4.3b,4.6L
PDG VIII 03 10 18 21.3–.70 38.76N 28.07E 11–1 4.6L,4.6L
BEO VIII 03 10 18 27.4–1.1 39.13N 27.83E 0 4.2L,4.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=38.6.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=97.0.
DDA Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=11.9km az=41.0.
NEIC Event type fe. Felt at Izmir. After ISK.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=58.0.
MOS Error ellipse: s-maj=4.8km s-min=3.3km az=98.8.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
BEO Event type ke.
ISC VIII 03 16 00 43.1–.92 41.00N–.05 38.05E–.03 16–7 23 0-2
DDA VIII 03 16 00 41.6 41.09N 38.10E 7 2.8L **¶601888518**
ISCJB VIII 03 16 00 43.7–.59 40.98N–.05 38.06E–.03 9–4 2.8L
ISK VIII 03 16 00 43.5 40.95N 38.05E 11–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.6km az=4.8.
ISK Event type ke.
ISC VIII 03 16 45 31.0–1.1 38.68N–.03 28.11E–.03 8–10 25 0-2
DDA VIII 03 16 45 30.6 38.70N 28.08E 7 2.6L **¶601888519**
ISCJB VIII 03 16 45 31.2–.47 38.70N–.02 28.10E–.03 5–5 2.6L
ISK VIII 03 16 45 31.4 38.66N 28.12E 10–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=139.2.
ISK Event type ke.
ISC VIII 03 17 12 18.9–1.2 39.93N–.05 32.37E–.03 9–11 16 0-1
DDA VIII 03 17 12 18.1 39.81N 32.38E 7 2.6L **¶601888520**
ISCJB VIII 03 17 12 19.4–.61 39.94N–.05 32.36E–.05 15–6 2.6L
ISK VIII 03 17 12 19.3 39.93N 32.37E 12–0 1.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.8km az=18.1.
ISK Event type ke.
ISK VIII 03 19 34 32.0 41.16N 39.75E 16–0 2.0L
DDA VIII 03 19 34 34.2 41.05N 39.95E 7 2.5L **¶601888522**
ISK Event type ke.
DDA Event type ke.
ISC VIII 04 02 23 46.3–1.0 38.84N–.03 43.59E–.03 11–8 30 0-2
DDA VIII 04 02 23 45.8 38.82N 43.62E 10 2.8L **¶601888531**
ISK VIII 04 02 23 45.4 38.86N 43.54E 5–0 2.8L
ISCJB VIII 04 02 23 46.3–.65 38.82N–.03 43.59E–.05 3–6 2.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 04 02 23 51.6–.99 38.70N–.02 28.07E–.01 4–7 3.8s,3.7b 410 0-89
GII VIII 04 02 23 49.9–.00 38.71N 28.08E 7 3.8s,3.7b **¶601518063**
ISK VIII 04 02 23 50.7 38.68N 28.06E 9–0 4.2L,3.7b
ATH VIII 04 02 23 50.4 38.70N 28.04E 16–1 3.9L,3.7b
DDA VIII 04 02 23 50.8 38.72N 28.07E 23 4.2L,3.7b
IDC VIII 04 02 23 50.7–.72 38.62N 28.18E 0 3.7,3.6
ISCJB VIII 04 02 23 50.9–.30 38.71N–.01 28.09E–.01 9–2 3.8b,3.7s
NEIC VIII 04 02 23 50.9–.00 38.69N 28.04E 5 4.2L,4.0b
MOS VIII 04 02 23 51.0–1.4 38.69N 28.19E 10 4.0b,4.0b
PDG VIII 04 02 23 51.6–.48 38.70N 28.06E 11–0 4.2L,4.0b
THE VIII 04 02 23 52.5 38.67N 28.04E 6–1 3.8L,4.0b
SOF VIII 04 02 24 02.6 39.31N 27.41E 15 3.8,4.0b
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=248.0.
DDA Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=10.3km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=37.2.
NEIC Event type se. After ISK.
MOS Error ellipse: s-maj=6.5km s-min=4.6km az=96.4.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=59.0.
ISC VIII 04 02 30 29.5–.91 38.70N–.02 28.06E–.02 14–7 133 0-5
ISCJB VIII 04 02 30 29.3–.36 38.70N–.01 28.05E–.02 4–3 **¶601888532**
ATH VIII 04 02 30 29.3 38.69N 27.99E 17–1 2.9L
DDA VIII 04 02 30 29.4 38.72N 28.07E 18 3.6L
ISK VIII 04 02 30 29.2 38.69N 28.06E 6–0 3.6L
THE VIII 04 02 30 31.9 38.65N 27.96E 9–2 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=146.3.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=249.0.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.7km az=51.0.
ISC VIII 04 03 01 28.0–1.2 37.92N–.03 38.26E–.03 9–12 27 0-2
ISCJB VIII 04 03 01 27.9–.63 37.91N–.03 38.26E–.04 2–6 **¶601888543**
DDA VIII 04 03 01 27.6 37.91N 38.24E 7 2.5L
ISK VIII 04 03 01 27.8 37.92N 38.26E 5–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=136.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 04 03 11 54.2–.86 39.11N–.03 29.07E–.02 10–5 43 0-2
DDA VIII 04 03 11 53.7 39.10N 29.08E 9 2.7L **¶601888544**
IASPE VIII 04 03 11 54.2–.88 39.10N–.03 29.07E–.03 10–5 2.7L
ISCJB VIII 04 03 11 54.2–.37 39.08N–.03 29.09E–.03 6–3 2.7L
ISK VIII 04 03 11 54.0 39.11N 29.08E 7–0 2.3L
ISC Event type ke.
DDA Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=9.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=4.5.
ISK Event type ke.
ISC VIII 04 06 05 11.4–.85 39.09N–.03 29.14E–.03 12–5 27 0-2
ISCJB VIII 04 06 05 11.6–.40 39.07N–.03 29.12E–.03 10–3 **¶601888546**
DDA VIII 04 06 05 11.2 39.11N 29.16E 7 2.7L
ISK VIII 04 06 05 11.4 39.04N 29.10E 11–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=179.6.
DDA Event type ke.
ISK Event type ke.
ISC VIII 04 09 23 41.3–1.0 40.10N–.03 34.86E–.04 9–9 20 0-2
ISCJB VIII 04 09 23 41.5–.51 40.10N–.03 34.85E–.05 8–5 **¶601888554**
DDA VIII 04 09 23 41.1 40.10N 34.88E 7 2.7L
ISK VIII 04 09 23 41.1 40.10N 34.85E 9–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=158.9.
DDA Event type ke.
ISK Event type ke.
ISC VIII 04 10 49 18.0–.00 39.29N–.03 33.52E–.03 9–8 25 0-1
DDA VIII 04 10 49 17.8 39.28N 33.51E 8 2.9L **¶601888560**
ISK VIII 04 10 49 17.6 39.30N 33.52E 6–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 04 11 31 29.3–1.2 37.16N–.03 29.10E–.03 8–11 24 0-1
ISK VIII 04 11 31 28.8 37.16N 29.11E 8–0 2.3L **¶601888561**
ISCJB VIII 04 11 31 29.3–.46 37.14N–.03 29.09E–.03 3–7 2.3L
DDA VIII 04 11 31 29.1 37.15N 29.06E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.5km az=35.2.
DDA Event type ke.
ISC VIII 04 11 41 06.1–1.0 39.18N–.03 27.94E–.03 11–9 21 0-2
DDA VIII 04 11 41 06.0 39.20N 27.94E 7 2.6L **¶601888563**
ISK VIII 04 11 41 05.9 39.17N 27.94E 10–0 2.2L
ISCJB VIII 04 11 41 06.3–.46 39.17N–.03 27.95E–.04 6–6 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 04 12 48 06.9–1.0 36.55N–.04 32.89E–.03 10–9 20 0-2
ISK VIII 04 12 48 06.6 36.52N 32.86E 5–0 2.3L **¶601888568**
ISCJB VIII 04 12 48 07.5–.50 36.54N–.04 32.89E–.04 6–7 2.3L
DDA VIII 04 12 48 07.2 36.55N 32.90E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=37.9.
DDA Event type ke.
ISC VIII 04 19 45 53.7–1.1 38.07N–.04 43.02E–.04 18–4 21 0-2
DDA VIII 04 19 45 52.1 37.93N 43.07E 3 2.6L **¶601888579**
ISK VIII 04 19 45 53.5 38.07N 42.97E 4–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 04 22 49 43.1–1.1 38.03N–.02 42.99E–.02 6–10 67 0-4
AZER VIII 04 22 49 38.8–3.0 37.49N 42.66E 2 3.2L **¶601888584**
ISN VIII 04 22 49 38.9–1.2 38.09N 42.96E 13–58 3.3L
DDA VIII 04 22 49 41.3 38.00N 43.02E 5 3.3L
ISK VIII 04 22 49 42.1 37.99N 42.92E 5–0 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=38.2km s-min=28.1km az=135.0.
ISN Error ellipse: s-maj=57.0km s-min=5.2km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 06 47 29.4–1.1 40.38N–.02 42.21E–.03 7–10 31 0-2
TIF VIII 05 06 47 27.4 40.28N 42.16E 15–1 **¶601888598**
ISK VIII 05 06 47 28.7 40.38N 42.17E 6–0 2.4L
ISCJB VIII 05 06 47 29.3–.51 40.37N–.02 42.18E–.04 2–6 2.4L
DDA VIII 05 06 47 29.2 40.38N 42.26E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=166.6.
DDA Event type ke.
ISC VIII 05 07 51 19.7–.95 38.70N–.03 43.18E–.03 11–8 29 0-2
ISK VIII 05 07 51 18.5 38.69N 43.19E 6–0 2.8L **¶601888601**
DDA VIII 05 07 51 19.9 38.68N 43.23E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 05 10 09 48.9–1.2 38.07N–.04 42.22E–.04 10–10 23 0-2
ISK VIII 05 10 09 47.9 38.07N 42.16E 5–1 2.7L **¶601888605**
ISCJB VIII 05 10 09 49.3–.70 38.05N–.04 42.20E–.05 4–6 2.7L
DDA VIII 05 10 09 49.7 38.03N 42.16E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.7km az=149.6.
DDA Event type ke.

ISC VIII 05 10 18 28.6–1.1 39.21N–.02 34.38E–.02 1–9 3.8b 88 0-74
DDA VIII 05 10 18 28.7 39.20N 34.39E 15 3.8L ¶601765490
IDC VIII 05 10 18 28.1–1.7 39.12N 34.17E 0 3.8L,3.7
ISK VIII 05 10 18 29.1 39.27N 34.36E 5–0 3.7L,3.7
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=13.8km s-min=11.7km az=148.0.
ISK Event type ke.
ISC VIII 05 13 38 31.2–1.2 38.69N–.03 43.49E–.05 13–10 26 0-2
ISK VIII 05 13 38 31.5 38.69N 43.32E 6–0 2.7L ¶601888610
DDA VIII 05 13 38 32.7 38.69N 43.34E 6 2.7L
ISCJB VIII 05 13 38 33.1–.47 38.71N–.03 43.35E–.05 5–5 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 05 13 51 19.7–.82 39.12N–.02 29.12E–.02 10–5 109 0-9
ISCJB VIII 05 13 51 18.9–.36 39.16N–.02 29.12E–.02 3–3 ¶601888612
DDA VIII 05 13 51 19.1 39.10N 29.13E 9 3.9L
ISK VIII 05 13 51 19.1 39.13N 29.13E 10–0 3.8L
THE VIII 05 13 51 21.3 39.10N 29.09E 7–22 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=157.4.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=22.3km s-min=1.0km az=59.0.
ISC VIII 05 16 11 03.9–1.0 39.21N–.03 34.39E–.03 14–14 22 0-2
DDA VIII 05 16 11 03.7 39.21N 34.40E 7 3.0L ¶601888617
ISK VIII 05 16 11 03.7 39.25N 34.38E 5–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 17 14 23.7–1.2 39.28N–.04 34.37E–.03 6–14 20 0-1
ISCJB VIII 05 17 14 23.4–.54 39.22N–.03 34.38E–.04 3–8 ¶601888618
DDA VIII 05 17 14 23.4 39.21N 34.38E 7 2.6L
ISK VIII 05 17 14 23.3 39.24N 34.37E 5–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=135.6.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 20 37 23.2–.62 37.37N–.02 42.98E–.02 15–3 4.9b,4.3s 787 0-144
AZER VIII 05 20 37 18.5–1.0 37.07N 42.59E 10 5.5L,4.0s ¶601518421
MOS VIII 05 20 37 20.9–1.3 37.27N 42.93E 13 5.0b,4.2s
IDC VIII 05 20 37 20.4–.45 37.26N 42.96E 0 4.7,4.6
ISK VIII 05 20 37 21.5 37.41N 42.95E 8–0 5.4L,4.6
DDA VIII 05 20 37 22.0 37.46N 42.98E 13 5.3L,4.6
ISCJB VIII 05 20 37 22.7–.33 37.33N–.01 42.95E–.01 23–2 4.8b,4.3s
GII VIII 05 20 37 22.2–.00 37.46N 42.99E 10 4.8b,4.3s
GCMT VIII 05 20 37 23.4–.20 37.35N–.01 42.92E–.01 22–1 5.0W,4.3s
NEIC VIII 05 20 37 23.8–.90 37.42N 42.97E 18–6 5.3L,5.0b
ISN VIII 05 20 37 23.0–.97 37.48N 43.03E 33–4 4.8L,5.0b
BJI VIII 05 20 37 24.3 37.47N 42.61E 51 5.2b,4.8b
DSN VIII 05 20 37 24.3–.37 37.15N 42.97E 50 5.4b,4.8b
ISC Event type ke.
AZER Error ellipse: s-maj=16.1km s-min=9.4km az=128.0.
MOS Error ellipse: s-maj=4.5km s-min=3.0km az=103.7.
IDC Error ellipse: s-maj=10.7km s-min=8.3km az=176.0.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=172.5.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c64; s99,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.14 $M_{\theta\theta}$-4.14±.12; $M_{\phi\phi}$4.64±.11; $M_{r\theta}$1.21±.20; $M_{\theta\phi}$-0.49±.09; $M_{\phi r}$1.33±.19; Best double couple: NP1:ϕ_s221.00000°,δ87.00000°,λ-23.00000°. NP2:ϕ_s312.00000°,δ67.00000°,λ-177.00000°. Principal axes: T 4.9680,Plg13.0000° ,Azm269.0000°; N -0.3810,Plg67.0000°,Azm33.0000°; P -4.5880,Plg18.0000° ,Azm174.0000° $M_0$4.77800×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.4km az=181.0.
ISN Error ellipse: s-maj=5.9km s-min=6.2km az=-1.0.
DSN Error ellipse: s-maj=8.8km s-min=4.1km az=58.0.
ISC VIII 05 20 53 15.5–1.1 37.46N–.04 43.00E–.02 13–11 25 0-2
ISN VIII 05 20 53 14.4–1.1 37.37N 43.09E 2–5 3.1L ¶601888623
ISCJB VIII 05 20 53 15.6–.57 37.50N–.04 43.01E–.03 6–6 3.1L
DDA VIII 05 20 53 15.2 37.47N 42.99E 7 3.1L
ISK VIII 05 20 53 15.4 37.44N 42.98E 12–0 2.7L
ISC Event type ke.
ISN Error ellipse: s-maj=7.2km s-min=8.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=176.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 20 56 56.7–1.1 37.45N–.04 42.98E–.02 9–10 38 0-3
ISN VIII 05 20 56 55.7–1.0 37.40N 43.02E 0–4 3.8L ¶601888624
ISCJB VIII 05 20 56 56.7–.55 37.43N–.05 43.00E–.03 9–5 3.8L
DDA VIII 05 20 56 56.2 37.47N 42.97E 6 3.8L
ISK VIII 05 20 56 56.5 37.44N 42.98E 10–0 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=6.4km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.8km az=175.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 21 12 49.6–1.1 37.47N–.05 43.00E–.03 7–11 20 0-2
ISN VIII 05 21 12 47.9–.81 37.31N 42.97E 0–4 2.5L ¶601888625
ISCJB VIII 05 21 12 49.6–.61 37.51N–.05 43.02E–.03 1–7 2.5L
DDA VIII 05 21 12 49.4 37.45N 43.01E 7 2.8L
ISK VIII 05 21 12 49.4 37.41N 42.98E 10–0 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=5.9km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=7.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 21 25 18.9–1.1 37.51N–.04 42.99E–.03 11–12 25 0-2
ISCJB VIII 05 21 25 18.7–.55 37.53N–.04 43.01E–.03 5–6 ¶601888626
DDA VIII 05 21 25 18.6 37.47N 42.99E 7 2.8L
ISK VIII 05 21 25 18.7 37.52N 42.98E 12–0 2.7L
ISN VIII 05 21 25 18.2–1.3 37.24N 42.97E 1–6 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=174.9.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=9.6km s-min=1.6km az=-1.0.
ISC VIII 05 22 13 33.8–1.1 37.48N–.04 43.00E–.02 9–11 31 0-3
ISN VIII 05 22 13 32.0–.30 37.36N 43.01E 0 2.9L ¶601888630
ISCJB VIII 05 22 13 33.6–.56 37.47N–.05 43.01E–.03 8–6 2.9L
DDA VIII 05 22 13 33.6 37.48N 42.98E 7 3.3L
ISK VIII 05 22 13 33.4 37.46N 42.98E 13–0 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=3.0km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.9km az=174.1.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 22 38 11.2–.88 39.10N–.04 29.14E–.03 16–6 25 0-2
ISCJB VIII 05 22 38 11.9–.45 39.09N–.04 29.13E–.03 10–4 ¶601888632
DDA VIII 05 22 38 11.7 39.08N 29.12E 7 2.3L
ISK VIII 05 22 38 11.4 39.14N 29.14E 7–0 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=169.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 23 40 24.0–1.1 37.48N–.05 42.98E–.03 10–11 30 0-3
ISN VIII 05 23 40 22.5–.85 37.40N 43.00E 0–3 3.1L ¶601888636
ISCJB VIII 05 23 40 23.9–.64 37.49N–.06 42.99E–.03 1–7 3.1L
DDA VIII 05 23 40 23.7 37.47N 42.99E 7 3.1L
ISK VIII 05 23 40 23.6 37.47N 42.98E 9–0 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=5.2km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.2km az=177.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 05 23 45 08.8–1.3 37.49N–.06 42.99E–.04 7–12 16 0-2
ISN VIII 05 23 45 07.4–1.2 37.37N 43.00E 0–6 2.5L ¶601888637
ISCJB VIII 05 23 45 09.0–.71 37.50N–.05 42.99E–.04 3–7 2.5L
DDA VIII 05 23 45 08.8 37.49N 42.98E 7 2.5L
ISK VIII 05 23 45 08.6 37.49N 42.97E 6–0 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=8.6km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=6.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 06 00 16 02.9–1.1 37.50N–.04 42.99E–.02 5–11 30 0-3
ISN VIII 06 00 16 01.3–1.0 37.41N 43.05E 0–3 2.7L ¶601888638
ISCJB VIII 06 00 16 02.9–.58 37.52N–.04 42.99E–.03 1–6 2.7L
DDA VIII 06 00 16 02.5 37.53N 42.98E 7 3.1L
ISK VIII 06 00 16 02.9 37.47N 42.97E 6–0 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=5.5km s-min=6.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=0.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 06 00 34 49.7–.95 38.78N–.02 43.63E–.03 16–8 44 0-2
DDA VIII 06 00 34 48.9 38.77N 43.67E 18 3.1L ¶601888639
ISCJB VIII 06 00 34 49.5–.55 38.79N–.02 43.66E–.04 5–4 3.1L
ISK VIII 06 00 34 49.1 38.78N 43.59E 9–0 3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=16.8.
ISK Event type ke.
ISC VIII 06 01 26 51.8–1.1 38.77N–.03 43.62E–.04 14–9 34 0-2
DDA VIII 06 01 26 50.7 38.75N 43.70E 7 2.8L ¶601888640
ISCJB VIII 06 01 26 51.6–.62 38.75N–.03 43.71E–.05 11–4 2.8L
ISK VIII 06 01 26 51.6 38.75N 43.61E 13–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=19.8.
ISK Event type ke.
ISC VIII 06 01 30 14.5–1.1 40.51N–.03 42.05E–.04 10–10 24 0-2
ISK VIII 06 01 30 13.9 40.51N 42.03E 4–0 2.0L ¶601888641
ISCJB VIII 06 01 30 14.8–.51 40.52N–.02 42.05E–.05 11–4 2.0L
DDA VIII 06 01 30 14.5 40.52N 42.13E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.5km az=157.0.
DDA Event type ke.
ISC VIII 06 09 17 17.1–1.0 38.77N–.04 43.64E–.05 15–9 21 0-2
ISK VIII 06 09 17 16.3 38.77N 43.61E 10–0 2.5L ¶601888662
ISCJB VIII 06 09 17 17.1–.62 38.77N–.03 43.65E–.06 14–4 2.5L
DDA VIII 06 09 17 17.3 38.76N 43.64E 7 3.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.4km az=21.3.
DDA Event type ke.
ISC VIII 06 10 57 50.4–1.2 40.00N–.03 38.92E–.03 11–13 20 0-2
ISCJB VIII 06 10 57 50.7–.52 40.02N–.03 38.94E–.04 12–7 ¶601888671
DDA VIII 06 10 57 50.9 39.99N 38.92E 7 2.7L
ISK VIII 06 10 57 50.4 40.04N 38.95E 8–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=9.7.
DDA Event type ke.
ISK Event type ke.
ISC VIII 06 11 17 13.7–1.3 37.15N–.05 30.54E–.04 5–12 15 0-2
DDA VIII 06 11 17 11.5 36.98N 30.71E 7 2.3L ¶601888672
ISK VIII 06 11 17 12.8 37.19N 30.45E 5–0 2.6L
ISCJB VIII 06 11 17 14.4–.61 37.17N–.04 30.45E–.05 6–10 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 06 12 33 06.2–1.2 38.06N–.03 42.64E–.03 6–11 28 0-3
ISCJB VIII 06 12 33 06.0–.50 38.06N–.02 42.60E–.03 5–6 ¶601888674
ISK VIII 06 12 33 05.2 38.07N 42.62E 7–0 2.8L
DDA VIII 06 12 33 06.2 38.06N 42.61E 7 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=13.6.
ISK Event type ke.
DDA Event type ke.
ISC VIII 06 13 00 50.5–1.1 38.68N–.04 43.11E–.03 15–11 14 0-1
ISK VIII 06 13 00 49.9 38.70N 43.08E 5–0 2.7L ¶601888676
DDA VIII 06 13 01 48.2 38.62N 43.12E 13 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 06 16 24 15.5–1.7 37.29N–.07 42.72E–.03 1–12 31 0-3
ISN VIII 06 16 24 14.9–.97 37.23N 42.64E 1–4 2.7L ¶601888683
ISK VIII 06 16 24 15.5 37.30N 42.59E 5–0 2.7L
DDA VIII 06 16 24 16.5 37.33N 42.63E 9 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=6.5km s-min=3.8km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 06 21 01 35.4–1.0 39.07N–.04 29.16E–.03 9–7 19 0-1
DDA VIII 06 21 01 34.6 39.08N 29.16E 7 2.5L ¶601888693
ISCJB VIII 06 21 01 35.6–.53 39.07N–.04 29.15E–.03 6–5 2.5L
ISK VIII 06 21 01 35.4 39.06N 29.14E 5–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=14.6.
ISK Event type ke.
ISC VIII 07 01 23 36.4–1.1 38.67N–.04 43.05E–.03 14–14 14 0-1
ISK VIII 07 01 23 35.8 38.68N 43.04E 11–2 1.6L ¶601888705
DDA VIII 07 01 23 36.6 38.67N 43.10E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 07 02 37 33.9–1.2 37.33N–.06 42.60E–.03 9–8 29 0-3
ISK VIII 07 02 37 32.6 37.29N 42.54E 4–0 2.5L ¶601888707
ISN VIII 07 02 37 32.4–.30 37.19N 42.63E 0 2.7L
ISCJB VIII 07 02 37 33.2–.94 37.27N–.05 42.55E–.03 2–6 2.7L
DDA VIII 07 02 37 33.1 37.29N 42.57E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.8km az=11.4.
DDA Event type ke.
ISC VIII 07 07 19 17.2–1.4 37.45N–.06 43.02E–.04 5–15 20 0-2
ISN VIII 07 07 19 14.9–.30 37.40N 43.00E 0 2.2L ¶601888711
ISCJB VIII 07 07 19 17.8–.64 37.49N–.09 42.98E–.04 3–9 2.2L
DDA VIII 07 07 19 17.7 37.49N 42.99E 7 2.7L
ISK VIII 07 07 19 17.2 37.48N 42.98E 6–0 2.2L
ISC Event type ke.
ISN Error ellipse: s-maj=3.0km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=4.5km az=5.1.
DDA Event type ke.

ISK Event type ke.
ISC VIII 07 14 14 42.9–1.2 38.14N–.03 38.50E–.03 5–11 26 0-2
DDA VIII 07 14 14 43.0 38.16N 38.52E 7 2.8L **¶601888730**
ISK VIII 07 14 14 42.5 38.11N 38.51E 5–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 07 16 49 21.0–1.0 38.43N–.04 34.12E–.04 10 16 0-2
ISK VIII 07 16 49 19.6 38.42N 34.13E 5–0 2.0L **¶601888736**
ISCJB VIII 07 16 49 20.9–.60 38.43N–.05 34.12E–.05 10 2.0L
DDA VIII 07 16 49 20.1 38.39N 34.09E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=164.6.
DDA Event type ke.
ISC VIII 07 18 58 33.6–1.0 39.20N–.03 28.09E–.03 15–11 20 0-1
ISCJB VIII 07 18 58 33.6–.46 39.21N–.03 28.11E–.04 6–7 **¶601888740**
DDA VIII 07 18 58 33.7 39.20N 28.10E 7 2.5L
ISK VIII 07 18 58 33.1 39.21N 28.10E 7–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=41.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 07 20 38 46.9–1.5 37.26N–.07 42.45E–.03 6–11 21 0-3
ISK VIII 07 20 38 46.9 37.31N 42.45E 6–0 2.4L **¶601888747**
ISN VIII 07 20 38 46.9–.30 37.13N 42.59E 0 2.4L
DDA VIII 07 20 38 47.5 37.28N 42.44E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0.
DDA Event type ke.
ISC VIII 07 23 17 39.2–.89 38.70N–.01 28.05E–.01 9–6 3.6b,3.1s 415 0-63
ATH VIII 07 23 17 36.9 38.70N 28.09E 16–1 3.8L,3.1s **¶601531849**
DDA VIII 07 23 17 38.0 38.73N 28.05E 18 4.0L,3.1s
BEO VIII 07 23 17 37.7–4.2 38.67N 28.83E 67–9 4.0L,3.1s
ISK VIII 07 23 17 37.8 38.70N 28.06E 10–0 4.0L,3.1s
NEIC VIII 07 23 17 38.0–.00 38.69N 28.03E 9 4.1L,4.0L
GII VIII 07 23 17 38.2–.00 38.70N 28.04E 22 4.1L,4.0L
ISCJB VIII 07 23 17 38.1–.28 38.72N–.01 28.04E–.01 9–2 3.7b,3.1s
PDG VIII 07 23 17 38.9–.53 38.70N 28.05E 14–0 4.0L,3.1s
THE VIII 07 23 17 39.3 38.66N 28.10E 7–2 4.1L,3.1s
IDC VIII 07 23 17 41.5–4.2 38.59N 28.05E 25–31 3.8L,3.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=251.0.
DDA Event type ke.
BEO Event type ke.
ISK Event type ke.
NEIC Event type se. After ISK.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=28.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=65.0.
IDC Error ellipse: s-maj=14.7km s-min=13.1km az=39.0.
ISC VIII 07 23 57 38.6–.86 38.71N–.01 28.06E–.01 11–6 3.7b,3.1s 366 0-62
ATH VIII 07 23 57 37.5 38.67N 28.00E 17–1 3.9L,3.1s **¶601531850**
ISCJB VIII 07 23 57 37.7–.27 38.71N–.01 28.07E–.01 9–2 3.7b,3.1s
DDA VIII 07 23 57 37.5 38.72N 28.05E 22 4.2L,3.1s
NEIC VIII 07 23 57 37.6–.00 38.68N 28.06E 9 4.1L,4.0b
ISK VIII 07 23 57 37.4 38.69N 28.07E 11–0 4.1L,4.0b
THE VIII 07 23 57 38.0 38.64N 28.10E 0–0 3.9L,4.0b
PDG VIII 07 23 57 38.5–.55 38.69N 28.06E 14–0 3.9L,4.0b
IDC VIII 07 23 57 40.9–2.7 38.63N 28.13E 32–23 3.8L,3.6
ISC Event type fe.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=248.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.7km az=21.6.
DDA Event type ke.
NEIC Event type fe. Felt at Aydin. After ISK.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=66.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=15.0km s-min=12.2km az=24.0.
ISC VIII 08 01 37 43.4–1.3 40.15N–.03 31.72E–.03 4–11 24 0-2
ISCJB VIII 08 01 37 43.5–.56 40.15N–.03 31.73E–.04 6–9 **¶601888760**
DDA VIII 08 01 37 43.1 40.14N 31.78E 7 2.5L
ISK VIII 08 01 37 43.6 40.13N 31.69E 8–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=28.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 08 05 24 21.2–1.0 38.69N–.03 28.09E–.03 10–9 26 0-1
ISK VIII 08 05 24 20.9 38.68N 28.09E 14–0 2.3L **¶601888768**
ISCJB VIII 08 05 24 21.3–.49 38.70N–.02 28.07E–.03 2–7 2.3L
DDA VIII 08 05 24 21.2 38.71N 28.07E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=29.7.
DDA Event type ke.
ISC VIII 08 05 56 47.0–1.1 38.70N–.05 43.07E–.05 13–13 11 0-2
DDA VIII 08 05 56 47.1 38.69N 43.09E 7 2.7L **¶601888770**
ISK VIII 08 05 56 51.4 38.52N 43.29E 5–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 08 06 26 44.0–1.0 37.13N–.03 30.71E–.03 83–7 75 0-61
GII VIII 08 06 26 37.8–.00 37.17N 30.64E 1 **¶601533171**
ISCJB VIII 08 06 26 42.5–.40 37.10N–.03 30.69E–.03 98–5 4.7b
ISK VIII 08 06 26 43.1 37.18N 30.66E 89–0 3.1L
DDA VIII 08 06 26 44.2 37.17N 30.64E 53 3.2L
NIC VIII 08 06 26 48.0–.40 36.68N 30.54E 50 4.1b,3.6L
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=26.2.
ISK Event type ke.
DDA Event type ke.
ISC VIII 08 07 11 35.0–1.4 38.12N–.03 38.19E–.03 4–12 23 0-2
ISK VIII 08 07 11 34.8 38.13N 38.22E 5–0 1.9L **¶601888772**
ISCJB VIII 08 07 11 35.8–.70 38.11N–.02 38.22E–.04 2–7 1.9L
DDA VIII 08 07 11 35.5 38.09N 38.18E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=156.8.
DDA Event type ke.
ISC VIII 08 09 13 50.8–1.3 39.96N–.04 35.35E–.04 10–13 14 0-1
ISCJB VIII 08 09 13 50.8–.83 39.97N–.04 35.39E–.06 6–7 **¶601888779**
DDA VIII 08 09 13 50.6 39.96N 35.32E 7 2.5L
ISK VIII 08 09 13 50.3 39.98N 35.39E 6–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=153.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 08 12 24 31.1–.00 38.81N–.02 43.49E–.02 13–8 69 0-4
DDA VIII 08 12 24 30.8 38.76N 43.56E 15 3.3L **¶601888785**
ISK VIII 08 12 24 30.1 38.80N 43.52E 5–0 3.4L
ISCJB VIII 08 12 24 31.8–.46 38.78N–.02 43.55E–.03 6–3 3.4L
AZER VIII 08 12 24 33.0–3.4 38.78N 43.41E 25–108 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=137.4.
AZER Error ellipse: s-maj=82.9km s-min=18.5km az=63.0.
ISC VIII 08 12 55 07.1–.92 38.67N–.02 43.18E–.02 16–8 44 0-2
ISK VIII 08 12 55 05.8 38.66N 43.16E 5–0 3.5L **¶601888787**
DDA VIII 08 12 55 06.8 38.67N 43.21E 20 3.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 08 13 02 29.3–.90 40.42N–.02 28.63E–.02 16–8 70 0-5
DDA VIII 08 13 02 28.9 40.42N 28.63E 23 3.4L **¶601888788**
ISK VIII 08 13 02 29.1 40.44N 28.63E 6–0 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 08 20 18 21.1–1.0 39.21N–.02 34.39E–.02 11–9 87 0-3
DDA VIII 08 20 18 20.7 39.21N 34.38E 11 3.5L **¶601888793**
ISK VIII 08 20 18 20.6 39.24N 34.36E 5–0 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 08 21 34 50.0–.93 38.77N–.03 43.51E–.03 17–8 25 0-2
ISK VIII 08 21 34 48.3 38.78N 43.43E 5–0 2.2L **¶601888796**
DDA VIII 08 21 34 49.4 38.78N 43.52E 7 2.6L
ISCJB VIII 08 21 34 50.5–.49 38.79N–.03 43.48E–.06 11–5 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 09 10 32 07.1–1.5 37.34N–.07 35.16E–.09 15–10 11 0-2
ISCJB VIII 09 10 32 05.8–1.9 37.23N–.07 35.3E–.10 12–11 **¶601888833**
DDA VIII 09 10 32 09.0 37.53N 34.98E 7 2.5L
ISK VIII 09 10 32 08.5 37.30N 35.00E 9–0 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=10.2km az=21.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 09 13 09 50.4–.96 39.16N–.03 28.06E–.03 14–10 23 0-1
ISK VIII 09 13 09 49.9 39.13N 28.07E 12–0 2.4L **¶601888838**
ISCJB VIII 09 13 09 50.2–.44 39.15N–.03 28.07E–.03 9–5 2.4L
DDA VIII 09 13 09 50.5 39.18N 28.08E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=32.7.
DDA Event type ke.
ISC VIII 09 16 15 01.1–1.6 37.63N–.06 42.80E–.04 2–12 17 0-2
ISK VIII 09 16 15 01.6 37.67N 42.67E 7–0 2.5L **¶601888849**
ISCJB VIII 09 16 15 02.5–.73 37.64N–.06 42.70E–.04 5–8 2.5L
DDA VIII 09 16 15 02.7 37.35N 42.65E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.0km az=1.2.
DDA Event type ke.
ISC VIII 09 17 11 43.2–1.8 37.33N–.09 42.66E–.03 0–15 17 0-2
ISCJB VIII 09 17 11 43.6–1.2 37.32N–.09 42.65E–.06 0–11 **¶601888853**
DDA VIII 09 17 11 43.5 37.35N 42.64E 7 2.8L
ISK VIII 09 17 11 43.3 37.52N 42.68E 2–0 2.6L
ISN VIII 09 17 11 43.8–.30 37.27N 42.77E 0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=4.7km az=21.8.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=2.8km s-min=1.1km az=-1.0.
ISC VIII 09 18 41 42.7–1.0 38.71N–.05 28.07E–.03 14–10 17 0-1
ISCJB VIII 09 18 41 42.6–.54 38.70N–.04 28.07E–.05 10–7 **¶601888857**
DDA VIII 09 18 41 42.5 38.67N 28.05E 7 2.6L
ISK VIII 09 18 41 42.4 38.73N 28.07E 12–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=34.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 09 19 48 05.5–1.0 38.69N–.03 43.45E–.05 18–2 19 0-1
ISK VIII 09 19 48 04.3 38.63N 43.56E 27–0 1.8L **¶601888860**
ISCJB VIII 09 19 48 05.7–.74 38.65N–.03 43.46E–.07 23–5 1.8L
DDA VIII 09 19 48 05.7 38.70N 43.34E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.4km az=15.1.
DDA Event type ke.
ISC VIII 09 20 41 51.5–1.4 37.33N–.07 42.55E–.04 8–9 17 0-2
DDA VIII 09 20 41 50.2 37.25N 42.59E 7 2.5L **¶601888863**
ISCJB VIII 09 20 41 51.1–1.1 37.31N–.08 42.61E–.06 7–7 2.5L
ISK VIII 09 20 41 51.7 37.39N 42.55E 16–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.7km az=23.7.
ISK Event type ke.
ISC VIII 09 21 48 17.7–1.0 38.72N–.03 43.27E–.04 11–9 20 0-1
ISK VIII 09 21 48 16.2 38.71N 43.16E 9–0 2.1L **¶601888866**
ISCJB VIII 09 21 48 18.3–.53 38.72N–.03 43.28E–.05 9–5 2.1L
DDA VIII 09 21 48 18.9 38.70N 43.36E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=11.8.
DDA Event type ke.
ISC VIII 09 21 50 43.6–.90 38.78N–.03 43.47E–.04 14–6 21 0-2
DDA VIII 09 21 50 42.7 38.73N 43.49E 7 2.6L **¶601888868**
ISCJB VIII 09 21 50 43.7–.59 38.76N–.03 43.53E–.06 16–10 2.6L
ISK VIII 09 21 50 43.2 38.76N 43.53E 9–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.5km az=26.7.
ISK Event type ke.
ISC VIII 10 08 07 34.1–1.0 38.60N–.03 40.48E–.05 14–9 14 0-1
DDA VIII 10 08 07 33.6 38.62N 40.39E 7 2.8L **¶601888877**
ISCJB VIII 10 08 07 34.2–.57 38.60N–.03 40.49E–.06 10–8 2.8L
ISK VIII 10 08 07 34.0 38.59N 40.52E 10–3 1.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.5km az=7.4.
ISK Event type ke.
ISC VIII 10 13 49 04.6–1.1 38.76N–.03 43.54E–.04 18–3 22 0-1
ISK VIII 10 13 49 03.0 38.79N 43.49E 5–0 2.5L **¶601888896**
ISCJB VIII 10 13 49 04.3–.77 38.73N–.04 43.64E–.06 20–8 2.5L
DDA VIII 10 13 49 04.7 38.75N 43.55E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=26.1.
DDA Event type ke.
ISC VIII 10 16 51 37.4–.97 38.05N–.03 37.90E–.03 12–7 25 0-1
ISK VIII 10 16 51 36.2 38.03N 37.91E 7–0 2.2L **¶601888899**
DDA VIII 10 16 51 37.1 38.03N 37.91E 7 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 10 21 06 30.5–.95 39.10N–.04 29.14E–.03 11–7 17 0-2
ISK VIII 10 21 06 29.7 39.08N 29.18E 8–0 1.8L **¶601888906**
ISCJB VIII 10 21 06 30.7–.57 39.08N–.03 29.14E–.04 8–5 1.8L
DDA VIII 10 21 06 30.5 39.12N 29.15E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=144.7.
DDA Event type ke.
ISC VIII 10 21 46 19.5–.95 39.09N–.03 29.15E–.03 9–8 28 0-2
DDA VIII 10 21 46 19.1 39.09N 29.14E 7 2.8L **¶601888907**

ISK VIII 10 21 46 19.4 39.08N 29.13E 4–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 11 01 44 46.1–1.1 37.37N–.06 40.31E–.05 11–9 17 0-2
DDA VIII 11 01 44 45.5 37.37N 40.30E 7 2.5L **¶601888911**
ISCJB VIII 11 01 44 46.4–.72 37.37N–.04 40.32E–.05 10–6 2.5L
ISK VIII 11 01 44 46.3 37.41N 40.29E 5–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=7.0km az=12.9.
ISK Event type ke.
ISC VIII 11 06 34 55.3–1.1 37.88N–.03 29.09E–.03 7–11 21 0-1
DDA VIII 11 06 34 54.8 37.85N 29.08E 7 2.5L **¶601888915**
ISCJB VIII 11 06 34 55.2–.47 37.87N–.02 29.08E–.04 6–6 2.5L
ISK VIII 11 06 34 55.9 37.89N 29.03E 10–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=168.4.
ISK Event type ke.
ISC VIII 11 07 01 59.7–.00 38.70N–.03 28.05E–.03 11–8 26 0-1
ISCJB VIII 11 07 01 59.7–.56 38.69N–.03 28.05E–.03 1–6 **¶601888916**
DDA VIII 11 07 01 60.0 38.70N 28.02E 4 2.6L
ISK VIII 11 07 01 59.3 38.71N 28.09E 20–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=137.6.
DDA Event type ke.
ISK Event type ke.
ISC VIII 11 08 26 54.5–.88 39.32N–.02 38.54E–.02 7–6 64 0-3
ISK VIII 11 08 26 53.7 39.31N 38.54E 4–0 3.5L **¶601888920**
IASPE VIII 11 08 26 54.7–.92 39.32N–.03 38.54E–.02 7–6 3.5L
DDA VIII 11 08 26 54.4 39.32N 38.52E 5 3.4L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=157.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
ISC VIII 11 09 45 24.1–1.4 38.71N–.04 38.94E–.03 5–13 19 0-1
ISK VIII 11 09 45 23.8 38.75N 38.90E 9–0 2.2L **¶601888928**
ISCJB VIII 11 09 45 24.7–.57 38.74N–.03 38.94E–.04 7–7 2.2L
DDA VIII 11 09 45 24.4 38.70N 38.96E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.8km az=23.3.
DDA Event type ke.
ISC VIII 11 09 53 05.4–1.2 39.07N–.04 37.34E–.03 9–14 16 0-2
DDA VIII 11 09 53 05.2 39.08N 37.36E 7 2.3L **¶601888929**
ISK VIII 11 09 53 06.0 39.03N 37.28E 9–1 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 11 12 15 57.4–.98 39.00N–.05 43.65E–.03 6–7 21 0-1
DDA VIII 11 12 15 56.8 39.02N 43.63E 5 2.5L **¶601888936**
ISK VIII 11 12 15 56.7 39.01N 43.64E 8–0 2.6L
ISCJB VIII 11 12 15 57.6–.55 39.03N–.04 43.64E–.05 9–5 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 11 21 50 51.4–.95 39.10N–.03 29.10E–.03 11–7 23 0-1
ISCJB VIII 11 21 50 51.7–.52 39.11N–.03 29.09E–.04 9–5 **¶601888942**
DDA VIII 11 21 50 51.5 39.10N 29.10E 7 2.6L
ISK VIII 11 21 50 51.4 39.09N 29.06E 14–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=150.3.
DDA Event type ke.
ISK Event type ke.
ISC VIII 12 00 20 40.1–1.1 36.38N–.02 30.97E–.02 8–8 3.5b 137 1-62
IDC VIII 12 00 20 38.9–1.1 36.51N 30.95E 0 3.7,3.6 **¶601765767**
THE VIII 12 00 20 39.7 36.32N 31.02E 0–1 3.3L,3.6
ISCJB VIII 12 00 20 39.9–.54 36.40N–.02 30.91E–.02 0–3 3.6b,3.0s
ISK VIII 12 00 20 40.0 36.44N 30.94E 6–0 3.6L,3.0s
DDA VIII 12 00 20 40.8 36.45N 30.93E 22 3.5L,3.0s
NIC VIII 12 00 20 41.5–.20 36.79N 30.89E 25 4.1b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=13.7km az=47.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=19.9.
ISK Event type ke.
DDA Event type ke.
ISC VIII 12 01 14 31.7–1.1 39.11N–.03 26.83E–.04 14–5 18 0-2
ISCJB VIII 12 01 14 32.0–.49 39.07N–.03 26.80E–.04 10–4 **¶601888947**
ISK VIII 12 01 14 31.7 39.08N 26.80E 9–0 2.3L
DDA VIII 12 01 14 34.3 39.21N 26.85E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.1km az=17.8.
ISK Event type ke.
DDA Event type ke.
ISC VIII 12 08 32 02.8–.94 38.73N–.03 43.46E–.04 14–7 31 0-3
ISK VIII 12 08 32 01.8 38.71N 43.44E 7–0 3.0L **¶601888957**
ISCJB VIII 12 08 32 02.9–.60 38.68N–.04 43.53E–.05 13–4 3.0L
DDA VIII 12 08 32 02.2 38.69N 43.48E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=42.5.
DDA Event type ke.
ISC VIII 12 09 14 50.5–1.2 37.02N–.03 36.15E–.03 3–11 24 0-2
ISK VIII 12 09 14 49.9 37.00N 36.11E 9–0 2.4L **¶601888959**
DDA VIII 12 09 14 51.3 37.05N 36.20E 3 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 12 10 01 31.9–.98 39.09N–.04 40.83E–.03 10–9 20 0-2
ISK VIII 12 10 01 30.8 39.08N 40.86E 5–0 2.5L **¶601888962**
ISCJB VIII 12 10 01 32.2–.55 39.10N–.04 40.80E–.04 8–5 2.5L
DDA VIII 12 10 01 32.5 39.09N 40.77E 7 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=21.1.
DDA Event type ke.
ISC VIII 12 10 11 23.5–.97 38.40N–.03 31.80E–.03 16–10 21 0-2
ISK VIII 12 10 11 22.8 38.39N 31.80E 7–0 2.5L **¶601888963**
ISCJB VIII 12 10 11 23.4–.64 38.40N–.03 31.79E–.06 6–9 2.5L
DDA VIII 12 10 11 23.4 38.38N 31.79E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=167.7.
DDA Event type ke.
ISC VIII 12 10 15 20.7–.97 39.07N–.05 40.75E–.03 11–6 17 0-2
ISCJB VIII 12 10 15 20.8–.57 39.10N–.04 40.75E–.04 6–5 **¶601888965**
DDA VIII 12 10 15 20.6 39.08N 40.79E 7 2.5L
ISK VIII 12 10 15 20.2 39.09N 40.72E 12–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=9.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 12 11 32 41.6–1.2 39.64N–.03 28.89E–.02 4–11 29 0-2
ISK VIII 12 11 32 40.9 39.64N 28.90E 8–0 2.4L **¶601888967**
DDA VIII 12 11 32 41.8 39.62N 28.87E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 12 17 47 51.9–1.1 38.76N–.04 38.20E–.03 9–10 27 0-2
ISK VIII 12 17 47 51.9 38.73N 38.22E 16–0 2.4L **¶601888977**
ISCJB VIII 12 17 47 52.1–.48 38.75N–.03 38.21E–.03 8–5 2.4L
DDA VIII 12 17 47 52.2 38.80N 38.19E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=162.8.
DDA Event type ke.
ISC VIII 12 20 09 10.7–.89 39.08N–.03 29.14E–.03 12–7 19 0-1
DDA VIII 12 20 09 09.9 39.10N 29.13E 7 2.6L **¶601888982**
ISCJB VIII 12 20 09 10.8–.50 39.08N–.03 29.13E–.04 10–4 2.6L
ISK VIII 12 20 09 11.0 39.04N 29.12E 9–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=147.6.
ISK Event type ke.
ISC VIII 12 21 39 30.7–1.1 38.65N–.04 43.22E–.04 8–10 17 0-1
ISK VIII 12 21 39 29.3 38.63N 43.21E 8–4 1.7L **¶601888984**
ISCJB VIII 12 21 39 30.3–.57 38.66N–.04 43.19E–.05 7–6 1.7L
DDA VIII 12 21 39 30.4 38.61N 43.26E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=142.8.
DDA Event type ke.
ISC VIII 12 22 26 09.7–.94 38.83N–.02 43.54E–.02 7–7 3.8b 140 0-52
ISK VIII 12 22 26 08.6 38.79N 43.64E 3–0 3.6L **¶601765788**
TEH VIII 12 22 26 08.4 38.84N 43.50E 16 4.0L
DDA VIII 12 22 26 08.1 38.81N 43.54E 20 3.8L
IDC VIII 12 22 26 09.3–.80 38.88N 43.67E 0 3.7b,3.7
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=155.0.
ISC VIII 12 22 33 00.3–.86 39.08N–.03 29.14E–.02 10–6 30 0-2
ISCJB VIII 12 22 33 00.5–.41 39.06N–.03 29.15E–.03 7–4 **¶601888986**
ISK VIII 12 22 33 00.2 39.06N 29.12E 9–0 2.1L
DDA VIII 12 22 33 00.1 39.10N 29.16E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=16.4.
ISK Event type ke.
DDA Event type ke.
ISC VIII 13 00 54 43.2–1.2 37.38N–.03 36.31E–.03 7–9 30 0-2
DDA VIII 13 00 54 42.9 37.38N 36.31E 11 2.7L **¶601888990**
ISCJB VIII 13 00 54 43.8–.49 37.39N–.02 36.34E–.03 3–4 2.7L
ISK VIII 13 00 54 43.9 37.39N 36.37E 9–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=45.0.
ISK Event type ke.
ISC VIII 13 03 23 49.2–.89 38.67N–.03 28.08E–.03 10 25 0-2
ISK VIII 13 03 23 48.8 38.67N 28.10E 8–0 2.2L **¶601888996**
ISCJB VIII 13 03 23 49.1–.41 38.68N–.03 28.08E–.03 10 2.2L
DDA VIII 13 03 23 49.1 38.70N 28.06E 5 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=14.6.
DDA Event type ke.
ISC VIII 13 10 56 07.0–1.1 38.39N–.02 39.05E–.02 5–10 51 0-3
ISK VIII 13 10 56 05.9 38.38N 39.05E 5–0 3.4L **¶601889003**
DDA VIII 13 10 56 06.7 38.42N 39.09E 4 3.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 13 13 58 30.6–1.2 38.76N–.03 43.40E–.04 19–3 20 0-2
ISK VIII 13 13 58 28.8 38.77N 43.36E 5–0 2.3L **¶601889011**
DDA VIII 13 13 58 29.8 38.74N 43.41E 7 2.5L
ISCJB VIII 13 13 58 30.7–.59 38.77N–.03 43.44E–.06 18–7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 13 15 03 52.5–1.2 40.69N–.05 29.38E–.04 8–10 18 0-2
DDA VIII 13 15 03 52.6 40.65N 29.38E 5 2.7L **¶601889012**
ISK VIII 13 15 03 52.1 40.67N 29.37E 12–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 13 15 21 56.6–.92 38.93N–.04 41.40E–.03 16–7 23 0-2
ISK VIII 13 15 21 55.6 38.92N 41.40E 3–0 2.6L **¶601889015**
ISCJB VIII 13 15 21 56.6–.52 38.93N–.04 41.41E–.03 7–5 2.6L
DDA VIII 13 15 21 56.8 38.93N 41.39E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=4.1.
DDA Event type ke.
ISC VIII 13 15 30 01.7–1.7 41.26N–.09 39.11E–.03 6–12 18 0-2
DDA VIII 13 15 30 01.6 41.27N 39.08E 8 2.9L **¶601889016**
ISK VIII 13 15 30 03.6 41.12N 39.16E 5–1 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 13 16 47 50.0–1.3 37.29N–.05 42.65E–.03 5–11 28 0-3
ISN VIII 13 16 47 44.5–1.3 37.38N 42.61E 0–868 2.9L **¶601889017**
DDA VIII 13 16 47 49.7 37.34N 42.63E 5 2.9L
ISK VIII 13 16 47 49.8 37.27N 42.53E 5–0 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=853.5km s-min=572.0km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 13 21 14 13.3–1.1 38.76N–.03 43.56E–.04 11–9 26 0-2
DDA VIII 13 21 14 12.6 38.71N 43.67E 7 2.9L **¶601889019**
ISK VIII 13 21 14 13.2 38.79N 43.47E 9–0 2.4L
ISCJB VIII 13 21 14 14.5–.50 38.81N–.03 43.48E–.05 13–4 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 13 21 27 52.5–1.1 38.73N–.03 43.60E–.04 13–8 29 0-2
DDA VIII 13 21 27 51.5 38.71N 43.66E 7 2.8L **¶601889020**
ISK VIII 13 21 27 51.9 38.74N 43.56E 14–0 2.3L
ISCJB VIII 13 21 27 52.2–.68 38.73N–.03 43.65E–.05 13–4 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 13 22 27 57.4–1.3 38.73N–.03 43.08E–.03 13–15 17 0-1
ISK VIII 13 22 27 56.3 38.73N 43.07E 23–0 2.1L **¶601889023**
ISCJB VIII 13 22 27 57.9–.55 38.74N–.03 43.06E–.04 14–5 2.1L
DDA VIII 13 22 27 58.2 38.75N 43.10E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=139.1.
DDA Event type ke.
ISC VIII 14 07 47 01.3–1.1 38.73N–.03 43.35E–.03 13–9 26 0-2
ISK VIII 14 07 47 00.0 38.73N 43.31E 5–0 2.8L **¶601889174**
DDA VIII 14 07 47 01.8 38.67N 43.41E 7 2.8L
ISC Event type ke.
ISK Event type ke.

DDA Event type ke.
ISC VIII 14 09 50 16.6–.88 39.09N–.03 29.12E–.03 11–6 28 0-2
ISCJB VIII 14 09 50 16.8–.40 39.08N–.03 29.11E–.03 9–3 ¶601889177
DDA VIII 14 09 50 16.1 39.12N 29.11E 7 2.5L
ISK VIII 14 09 50 16.6 39.06N 29.11E 9–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=162.3.
DDA Event type ke.
ISK Event type ke.
ISC VIII 14 12 44 47.9–.72 37.12N–.03 31.02E–.03 110–6 3.9b 148 0-55
GII VIII 14 12 44 46.8–.30 37.18N 30.97E 105 2.8 ¶601765836
ISCJB VIII 14 12 44 47.2–.21 37.14N–.02 30.99E–.02 117–2 3.9b
IDC VIII 14 12 44 47.9–1.6 37.15N 30.93E 112–22 3.9,3.6b
ISK VIII 14 12 44 48.2 37.18N 30.97E 106–0 3.8L,3.6b
DDA VIII 14 12 44 50.3 37.17N 30.94E 51 3.7L,3.6b
HLW VIII 14 12 44 51.2 36.73N 30.69E 11–23 4.5L,3.6b
NIC VIII 14 12 44 53.3–.20 36.98N 31.45E 75 3.6L,3.6b
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=36.0.
IDC Error ellipse: s-maj=25.9km s-min=14.9km az=30.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 15 07 34 35.4–1.1 38.57N–.03 40.84E–.04 13–10 24 0-1
ISK VIII 15 07 34 34.9 38.59N 40.93E 26–0 2.0L ¶601889226
DDA VIII 15 07 34 35.9 38.51N 40.72E 7 2.6L
ISCJB VIII 15 07 34 36.6–.51 38.55N–.04 40.79E–.08 22–13 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISK VIII 15 08 11 38.7 38.43N 43.20E 26–1 2.1L
DDA VIII 15 08 11 42.3 38.77N 43.17E 7 2.6L ¶601889228
ISK Event type ke.
DDA Event type ke.
ISC VIII 15 08 46 09.6–2.3 41.2N–.10 39.36E–.03 16–13 16 0-2
DDA VIII 15 08 46 09.8 41.14N 39.31E 7 2.7L ¶601889231
ISK VIII 15 08 46 09.3 41.11N 39.36E 24–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 16 02 02 14.2–1.1 36.81N–.03 29.29E–.02 10–9 39 0-3
ISK VIII 16 02 02 13.8 36.83N 29.28E 6–0 2.7L ¶601889353
ISCJB VIII 16 02 02 14.2–.50 36.80N–.04 29.29E–.03 11–4 2.7L
THE VIII 16 02 02 14.3 36.82N 29.29E 0–1 2.4L
ATH VIII 16 02 02 18.0 35.84N 29.12E 25–9 2.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=169.3.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=346.0.
ATH Event type ke. Error ellipse: s-maj=15.8km s-min=1.1km az=1.0.
ISC VIII 16 02 58 24.5–3.2 39.53N–.03 36.68E–.03 6–25 24 0-2
ISK VIII 16 02 58 25.3 39.50N 36.67E 7–0 1.9L ¶601889356
ISCJB VIII 16 02 58 26.1–.44 39.53N–.03 36.65E–.03 10–5 1.9L
DDA VIII 16 02 58 26.1 39.54N 36.67E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=39.8.
DDA Event type ke.
ISC VIII 16 03 47 50.0–.86 39.08N–.03 29.05E–.03 12–5 28 0-2
DDA VIII 16 03 47 49.3 39.11N 29.05E 7 2.5L ¶601889358
ISCJB VIII 16 03 47 50.4–.39 39.06N–.03 29.06E–.03 8–3 2.5L
ISK VIII 16 03 47 50.2 39.03N 29.04E 6–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=7.4.
ISK Event type ke.
ISC VIII 16 08 05 13.1–1.0 37.06N–.04 37.31E–.04 13–9 18 0-2
DDA VIII 16 08 05 13.9 37.12N 37.45E 7 3.0L ¶601889363
ISK VIII 16 08 05 13.6 37.16N 36.97E 8–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 16 08 11 45.4–1.2 37.54N–.04 36.08E–.04 9–10 16 0-2
ISK VIII 16 08 11 44.7 37.54N 36.08E 8–0 2.1L ¶601889364
DDA VIII 16 08 11 46.0 37.54N 36.12E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 16 09 20 03.1–1.1 38.70N–.03 43.36E–.03 12–8 30 0-2
DDA VIII 16 09 20 02.7 38.68N 43.38E 7 3.1L ¶601889368
ISK VIII 16 09 20 02.5 38.70N 43.32E 7–0 3.0L
ISCJB VIII 16 09 20 03.0–.56 38.70N–.03 43.35E–.04 4–5 3.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 16 12 15 31.1–.95 37.34N–.02 37.18E–.02 16–8 52 0-4
ISCJB VIII 16 12 15 30.8–.74 37.32N–.03 37.14E–.03 4–6 ¶601889374
DDA VIII 16 12 15 30.9 37.35N 37.13E 26 3.5L
ISK VIII 16 12 15 31.1 37.33N 37.11E 6–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=168.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 16 15 58 51.9–.95 38.47N–.05 28.48E–.04 9–7 15 0-2
ISK VIII 16 15 58 51.3 38.40N 28.51E 5–0 2.1L ¶601889385
DDA VIII 16 15 58 52.1 38.49N 28.48E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 16 19 54 56.5–1.1 37.37N–.04 37.14E–.03 6–10 19 0-2
ISCJB VIII 16 19 54 56.9–.60 37.33N–.04 37.10E–.05 6–7 ¶601889399
DDA VIII 16 19 54 56.7 37.45N 37.19E 7 2.7L
ISK VIII 16 19 54 56.2 37.33N 37.10E 5–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.5km az=42.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 16 22 42 56.3–.97 38.71N–.03 43.20E–.03 16–8 24 0-2
ISK VIII 16 22 42 54.9 38.73N 43.19E 5–0 2.4L ¶601889401
DDA VIII 16 22 42 55.8 38.69N 43.22E 7 2.5L
ISCJB VIII 16 22 42 56.4–.44 38.71N–.03 43.20E–.04 10–5 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 17 04 24 25.5–1.0 38.75N–.03 27.45E–.03 14–10 25 0-1
ISCJB VIII 17 04 24 25.4–.49 38.73N–.03 27.45E–.04 10–5 ¶601889476
DDA VIII 17 04 24 25.4 38.77N 27.43E 12 2.6L
ISK VIII 17 04 24 25.3 38.72N 27.48E 9–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=42.9.
DDA Event type ke.
ISK Event type ke.
ISC VIII 17 04 33 25.9–1.0 39.68N–.05 35.40E–.04 12–8 12 0-1
ISCJB VIII 17 04 33 25.9–.72 39.68N–.07 35.40E–.06 11–5 ¶601889477
DDA VIII 17 04 33 25.8 39.69N 35.40E 7 2.6L
ISK VIII 17 04 33 25.8 39.67N 35.41E 10–0 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.5km az=5.3.

DDA Event type ke.
ISK Event type ke.
ISC VIII 17 06 38 54.0–.98 39.11N–.03 28.17E–.03 14–11 21 0-2
ISCJB VIII 17 06 38 54.0–.47 39.10N–.03 28.16E–.03 10–6 ¶601889482
DDA VIII 17 06 38 53.9 39.12N 28.16E 7 2.7L
ISK VIII 17 06 38 53.7 39.08N 28.17E 8–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=2.7.
DDA Event type ke.
ISK Event type ke.
ISC VIII 17 11 14 27.5–1.0 38.56N–.05 28.71E–.06 5–9 11 0-1
ISCJB VIII 17 11 14 27.5–.71 38.58N–.04 28.65E–.05 4–12 ¶601889499
DDA VIII 17 11 14 27.0 38.58N 28.64E 7 2.6L
ISK VIII 17 11 14 27.7 38.53N 28.61E 4–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.1km az=136.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 17 13 08 34.3–.99 38.63N–.04 37.48E–.03 7–7 16 0-2
ISCJB VIII 17 13 08 34.8–.62 38.63N–.05 37.45E–.05 2–7 ¶601889504
DDA VIII 17 13 08 34.5 38.66N 37.46E 7 2.7L
ISK VIII 17 13 08 34.6 38.61N 37.46E 6–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.4km az=151.6.
DDA Event type ke.
ISK Event type ke.
ISC VIII 17 13 26 37.3–1.1 38.31N–.04 38.15E–.03 15–9 16 0-1
ISK VIII 17 13 26 36.8 38.31N 38.15E 8–0 1.8L ¶601889508
DDA VIII 17 13 26 37.0 38.29N 38.20E 7 2.6L
ISCJB VIII 17 13 26 38.1–.62 38.30N–.04 38.14E–.04 17–9 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 17 14 08 34.1–1.2 40.83N–.06 30.45E–.04 7–13 21 0-2
ISK VIII 17 14 08 33.9 40.81N 30.43E 7–0 1.9L ¶601889509
ISCJB VIII 17 14 08 34.6–.53 40.78N–.04 30.39E–.04 11–5 1.9L
DDA VIII 17 14 08 34.6 40.78N 30.40E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=34.8.
DDA Event type ke.
ISC VIII 18 00 43 36.4–1.2 38.76N–.05 43.54E–.05 24–8 18 0-1
DDA VIII 18 00 43 36.8 38.72N 43.53E 7 2.5L ¶601889546
ISK VIII 18 00 43 36.5 38.75N 43.50E 14–0 2.2L
ISCJB VIII 18 00 43 37.4–.82 38.76N–.04 43.52E–.07 20–7 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 18 13 17 57.6–.99 37.33N–.03 37.11E–.03 8–8 22 0-2
ISCJB VIII 18 13 17 57.7–.57 37.32N–.04 37.08E–.04 6–6 ¶601889568
DDA VIII 18 13 17 57.3 37.32N 37.11E 7 2.6L
ISK VIII 18 13 17 57.1 37.34N 37.11E 6–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=38.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 18 15 30 12.4–1.1 37.16N–.03 36.94E–.03 6–10 23 0-2
ISK VIII 18 15 30 11.7 37.17N 36.93E 5–0 2.0L ¶601889573
DDA VIII 18 15 30 12.7 37.16N 36.95E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 19 02 39 15.5–.94 39.03N–.03 43.74E–.04 8–7 27 0-2
ISCJB VIII 19 02 39 15.5–.63 39.01N–.03 43.76E–.05 6–4 ¶601889749
DDA VIII 19 02 39 15.4 39.04N 43.75E 6 2.5L
ISK VIII 19 02 39 15.1 39.04N 43.76E 11–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=29.3.
DDA Event type ke.
ISK Event type ke.
ISC VIII 19 12 44 58.2–1.1 38.84N–.05 43.53E–.06 18–3 12 0-1
ISCJB VIII 19 12 44 57.4–1.2 38.81N–.06 43.60E–.09 29–7 ¶601889768
ISK VIII 19 12 44 57.0 38.82N 43.53E 19–0 2.1L
DDA VIII 19 12 44 59.3 39.08N 43.39E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.4km az=35.6.
ISK Event type ke.
DDA Event type ke.
ISC VIII 19 13 54 43.7–1.4 37.70N–.03 29.67E–.03 7–12 27 0-2
ISK VIII 19 13 54 43.1 37.72N 29.68E 5–0 2.0L ¶601889771
ISCJB VIII 19 13 54 44.5–.58 37.71N–.03 29.63E–.04 3–6 2.0L
DDA VIII 19 13 54 45.1 37.72N 29.65E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=24.3.
DDA Event type ke.
ISC VIII 19 19 27 23.2–1.0 39.66N–.01 43.73E–.01 1–7 3.8b,3.1s 271 0-71
AZER VIII 19 19 27 13.8–.68 39.83N 42.94E 10 4.4L,3.1s ¶601766162
ISK VIII 19 19 27 21.9 39.65N 43.74E 5–0 3.7L,3.1s
DDA VIII 19 19 27 22.4 39.66N 43.70E 12 4.4L,3.1s
TEH VIII 19 19 27 22.4 39.66N 43.71E 8 4.3L,3.1s
IDC VIII 19 19 27 23.1–.84 39.70N 43.72E 0 3.8,3.7
NSSP VIII 19 19 27 23.2 39.68N 43.68E 5 4.1s,3.7
MOS VIII 19 19 27 24.2–1.5 39.72N 43.73E 12 4.1b,3.7
THR VIII 19 19 27 25.1–.37 39.61N 43.84E 14–6 3.7L,3.7
ISC Event type ke.
AZER Error ellipse: s-maj=5.6km s-min=4.7km az=143.0.
ISK Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=7.0km az=168.0.
MOS Error ellipse: s-maj=7.7km s-min=4.9km az=89.5.
THR Error ellipse: s-maj=9.7km s-min=5.6km az=-1.0.
ISC VIII 19 20 04 56.4–.95 39.64N–.03 43.70E–.03 7–8 27 0-2
DDA VIII 19 20 04 55.9 39.64N 43.71E 9 2.7L ¶601889787
ISK VIII 19 20 04 55.7 39.63N 43.70E 7–0 2.3L
ISCJB VIII 19 20 04 56.2–.48 39.66N–.03 43.68E–.04 1–8 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 19 20 07 01.0–.00 39.64N–.02 43.74E–.03 5–9 45 0-3
ISK VIII 19 20 06 59.5 39.64N 43.76E 5–0 2.6L ¶601889788
DDA VIII 19 20 07 00.8 39.61N 43.81E 3 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 19 20 15 58.4–1.1 39.65N–.02 43.72E–.03 4–10 30 0-2
ISK VIII 19 20 15 56.4 39.64N 43.73E 5–0 2.4L ¶601889790
DDA VIII 19 20 15 57.6 39.66N 43.72E 5 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 19 20 18 15.4–.95 39.64N–.03 43.72E–.03 13–7 23 0-1
ISCJB VIII 19 20 18 15.7–.46 39.64N–.03 43.73E–.04 10–5 ¶601889791
DDA VIII 19 20 18 15.6 39.63N 43.73E 13 2.7L
ISK VIII 19 20 18 15.1 39.63N 43.72E 12–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=38.7.
DDA Event type ke.

ISK Event type ke.
ISC VIII 19 20 57 42.8–1.1 39.65N–.04 43.72E–.04 12–8 16 0-1
ISK VIII 19 20 57 42.4 39.64N 43.72E 20–0 1.8L ¶601889795
ISCJB VIII 19 20 57 43.2–.56 39.65N–.04 43.72E–.05 9–6 1.8L
DDA VIII 19 20 57 43.2 39.65N 43.72E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=44.4.
DDA Event type ke.
ISC VIII 19 22 16 05.6–.96 39.63N–.03 43.71E–.03 12–7 26 0-2
ISK VIII 19 22 16 04.6 39.64N 43.72E 2–0 2.4L ¶601889805
ISCJB VIII 19 22 16 05.9–.44 39.66N–.03 43.70E–.04 3–7 2.4L
DDA VIII 19 22 16 05.6 39.64N 43.72E 12 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=44.8.
DDA Event type ke.
ISC VIII 19 23 08 24.6–.86 39.66N–.01 43.74E–.01 7–5 4.3b 323 0-77
AZER VIII 19 23 08 22.9–.51 39.62N 43.54E 5–4 4.5L ¶601565928
IDC VIII 19 23 08 22.7–.76 39.66N 43.78E 0 3.9,3.9b
NEIC VIII 19 23 08 22.7–.00 39.64N 43.72E 4 4.3b,4.0L
DDA VIII 19 23 08 23.0 39.65N 43.70E 13 4.3L,4.0L
ISK VIII 19 23 08 22.4 39.64N 43.72E 2–0 3.9L,4.0L
MOS VIII 19 23 08 23.7–1.4 39.57N 43.77E 13 4.4b,4.0L
NSSP VIII 19 23 08 23.4 39.68N 43.68E 5 4.3s,4.0L
THR VIII 19 23 08 24.5–.34 39.54N 43.73E 14–5 3.9L,4.0L
ISC Event type ke.
AZER Error ellipse: s-maj=5.5km s-min=2.2km az=78.0.
IDC Error ellipse: s-maj=13.3km s-min=8.3km az=165.0.
NEIC Event type se. After ISK.
DDA Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=97.3.
THR Error ellipse: s-maj=11.2km s-min=5.3km az=-1.0.
ISC VIII 19 23 15 04.6–1.5 39.64N–.03 43.71E–.03 1–14 22 0-2
ISK VIII 19 23 15 04.4 39.64N 43.70E 3–0 2.2L ¶601889818
ISCJB VIII 19 23 15 05.2–.52 39.64N–.04 43.71E–.04 4–8 2.2L
DDA VIII 19 23 15 05.0 39.65N 43.70E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=145.8.
DDA Event type ke.
ISC VIII 19 23 23 50.3–.94 39.64N–.04 43.75E–.03 12–7 22 0-2
ISCJB VIII 19 23 23 50.9–.47 39.63N–.03 43.75E–.05 9–6 ¶601889820
DDA VIII 19 23 23 50.3 39.64N 43.77E 7 2.6L
ISK VIII 19 23 23 50.2 39.63N 43.73E 5–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=42.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 19 23 28 45.2–1.0 39.66N–.03 43.76E–.03 7–9 26 0-2
ISK VIII 19 23 28 44.5 39.63N 43.72E 4–0 2.2L ¶601889822
ISCJB VIII 19 23 28 45.2–.53 39.67N–.03 43.72E–.04 3–7 2.2L
DDA VIII 19 23 28 45.1 39.63N 43.78E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=41.8.
DDA Event type ke.
ISC VIII 19 23 58 45.9–.89 39.62N–.02 43.75E–.03 10–7 36 0-3
ISK VIII 19 23 58 44.5 39.63N 43.72E 5–0 2.3L ¶601889828
DDA VIII 19 23 58 45.2 39.67N 43.70E 10 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 20 00 19 42.3–1.0 39.65N–.04 43.71E–.03 14–7 19 0-2
DDA VIII 20 00 19 42.0 39.68N 43.66E 7 2.8L ¶601889849
ISK VIII 20 00 19 41.9 39.64N 43.70E 8–0 1.8L
ISCJB VIII 20 00 19 42.3–.56 39.65N–.04 43.72E–.05 12–6 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 20 01 21 26.7–1.0 39.67N–.03 43.74E–.03 7–9 24 0-2
DDA VIII 20 01 21 26.5 39.68N 43.73E 6 2.8L ¶601889856
ISK VIII 20 01 21 26.1 39.65N 43.72E 4–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 20 02 26 37.9–1.0 39.63N–.04 43.74E–.04 12–7 15 0-1
ISCJB VIII 20 02 26 38.0–.62 39.64N–.04 43.73E–.05 13–5 ¶601889858
DDA VIII 20 02 26 37.7 39.63N 43.72E 15 2.5L
ISK VIII 20 02 26 37.3 39.64N 43.72E 4–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=154.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 20 04 37 40.8–1.1 38.74N–.03 43.16E–.03 9–9 27 0-2
ISK VIII 20 04 37 39.6 38.72N 43.16E 6–0 2.5L ¶601889861
DDA VIII 20 04 37 40.9 38.74N 43.19E 7 2.9L
ISCJB VIII 20 04 37 41.1–.50 38.75N–.02 43.18E–.04 3–6 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 20 08 35 06.5–1.0 38.75N–.03 43.66E–.03 11–8 46 0-3
ISCJB VIII 20 08 35 06.0–.64 38.73N–.03 43.70E–.05 8–4 ¶601889870
DDA VIII 20 08 35 05.4 38.74N 43.69E 7 3.5L
ISK VIII 20 08 35 05.3 38.79N 43.59E 3–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.5km az=28.6.
DDA Event type ke.
ISK Event type ke.
ISC VIII 20 10 38 39.2–.91 38.93N–.03 28.09E–.02 14–8 27 0-1
DDA VIII 20 10 38 39.0 38.93N 28.09E 7 2.5L ¶601889876
ISK VIII 20 10 38 38.6 38.91N 28.11E 14–5 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 20 16 26 59.4–1.3 37.57N–.04 35.57E–.03 9–13 23 1-2
ISK VIII 20 16 26 58.9 37.58N 35.57E 10–0 2.0L ¶601889884
ISCJB VIII 20 16 26 59.7–.57 37.57N–.04 35.57E–.04 10–6 2.0L
DDA VIII 20 16 27 00.1 37.54N 35.55E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=150.3.
DDA Event type ke.
ISC VIII 20 19 36 41.8–1.0 39.66N–.03 43.73E–.03 13–7 19 0-1
ISCJB VIII 20 19 36 41.9–.50 39.66N–.03 43.72E–.04 12–4 ¶601889893
ISK VIII 20 19 36 41.3 39.67N 43.72E 9–1 2.2L
DDA VIII 20 19 36 42.1 39.64N 43.73E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=44.1.
ISK Event type ke.
DDA Event type ke.
ISC VIII 20 19 38 17.5–1.0 39.32N–.02 40.83E–.01 5–9 3.2b 116 0-34
IDC VIII 20 19 38 12.8–2.0 37.95N 40.73E 0 3.5,3.3 ¶601766216
DDA VIII 20 19 38 16.4 39.33N 40.82E 5 3.8L,3.3
ISK VIII 20 19 38 16.7 39.32N 40.83E 6–0 3.6L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=11.3km az=164.0.
DDA Event type ke.

ISK Event type ke.
ISC VIII 20 22 17 39.0–.90 39.62N–.04 43.72E–.03 11–7 17 0-13
ISCJB VIII 20 22 17 38.7–.58 39.65N–.04 43.71E–.05 10–5 ¶601889900
DDA VIII 20 22 17 38.9 39.64N 43.74E 7 2.7L
ISK VIII 20 22 17 38.3 39.62N 43.69E 14–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.4km az=41.6.
DDA Event type ke.
ISK Event type ke.
ISC VIII 21 00 14 04.1–1.1 39.66N–.02 43.72E–.03 3–10 52 0-3
DDA VIII 21 00 14 03.8 39.66N 43.72E 7 3.1L ¶601889906
ISK VIII 21 00 14 03.6 39.64N 43.78E 5–0 2.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 21 03 36 54.6–1.0 38.59N–.03 43.98E–.05 6 17 0-2
ISK VIII 21 03 36 53.7 38.58N 43.96E 5–0 2.5L ¶601889913
DDA VIII 21 03 36 54.7 38.62N 44.02E 7 2.6L
ISCJB VIII 21 03 36 55.2–.69 38.59N–.03 44.01E–.07 6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 21 03 42 28.5–1.3 37.30N–.08 42.58E–.04 11–9 17 0-2
ISN VIII 21 03 42 22.9–.30 37.04N 43.90E 0 1.9L ¶602028592
DDA VIII 21 03 42 28.9 37.31N 42.57E 7 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
DDA Event type ke.
ISC VIII 21 13 27 20.0–.97 38.77N–.03 43.27E–.03 17–9 24 0-2
ISK VIII 21 13 27 19.6 38.76N 43.20E 8–0 2.3L ¶601889929
ISCJB VIII 21 13 27 20.5–.53 38.78N–.03 43.26E–.04 24–6 2.3L
DDA VIII 21 13 27 20.1 38.76N 43.27E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=27.1.
DDA Event type ke.
ISC VIII 21 19 40 30.4–.87 39.14N–.02 29.11E–.02 11–6 46 0-2
ISCJB VIII 21 19 40 30.5–.44 39.12N–.02 29.11E–.03 3–4 ¶601889936
DDA VIII 21 19 40 30.2 39.12N 29.11E 10 2.5L
ISK VIII 21 19 40 30.4 39.13N 29.11E 4–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=17.9.
DDA Event type ke.
ISK Event type ke.
ISC VIII 22 04 19 55.5–1.0 39.10N–.03 43.97E–.05 12–5 22 0-2
ISCJB VIII 22 04 19 55.3–.87 39.10N–.04 44.04E–.06 5–5 ¶601889956
DDA VIII 22 04 19 55.4 39.10N 43.99E 9 2.6L
ISK VIII 22 04 19 55.3 39.13N 43.95E 14–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=28.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 22 12 40 58.2–1.1 38.81N–.03 43.51E–.04 14–8 19 0-2
ISK VIII 22 12 40 56.9 38.79N 43.50E 8–1 2.6L ¶601889965
ISCJB VIII 22 12 40 57.8–.62 38.81N–.03 43.54E–.05 14–4 2.6L
DDA VIII 22 12 40 57.6 38.81N 43.53E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.9km az=28.5.
DDA Event type ke.
ISC VIII 22 13 34 34.1–1.1 37.49N–.02 35.59E–.02 9–11 58 0-3
ISK VIII 22 13 34 33.2 37.53N 35.64E 5–0 3.8L ¶601889966
DDA VIII 22 13 34 34.2 37.48N 35.58E 8 3.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 22 14 30 26.1–1.1 38.07N–.03 38.18E–.03 10–10 28 0-2
ISK VIII 22 14 30 25.6 38.07N 38.18E 8–0 2.0L ¶601889968
ISCJB VIII 22 14 30 26.3–.63 38.06N–.03 38.20E–.04 4–6 2.0L
DDA VIII 22 14 30 26.6 38.07N 38.20E 16 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=140.3.
DDA Event type ke.
ISC VIII 22 17 05 22.9–1.2 38.52N–.04 43.45E–.05 18–4 15 0-1
ISK VIII 22 17 05 20.7 38.56N 43.11E 3–0 2.2L ¶601889977
DDA VIII 22 17 05 24.4 38.49N 43.48E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 22 17 48 01.8–.89 39.09N–.04 29.04E–.04 15–6 20 0-2
ISCJB VIII 22 17 48 02.6–.51 39.10N–.04 29.01E–.04 11–3 ¶601889979
DDA VIII 22 17 48 02.0 39.09N 29.02E 11 2.5L
ISK VIII 22 17 48 02.1 39.08N 29.00E 13–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=159.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 22 18 26 07.6–.99 39.32N–.04 38.24E–.03 9–9 23 0-2
ISK VIII 22 18 26 06.9 39.33N 38.23E 5–0 2.0L ¶601889980
ISCJB VIII 22 18 26 07.3–.58 39.33N–.04 38.23E–.03 4–6 2.0L
DDA VIII 22 18 26 07.2 39.33N 38.24E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.6km az=164.9.
DDA Event type ke.
ISC VIII 23 01 31 48.9–.91 40.42N–.02 26.12E–.02 16–8 38 0-2
ATH VIII 23 01 31 48.8 40.42N 26.08E 27–4 1.4L ¶603227069
ISK VIII 23 01 31 48.7 40.42N 26.12E 14–0 1.7L
ISCJB VIII 23 01 31 49.0–.35 40.42N–.02 26.12E–.03 9–4 1.7L
DDA VIII 23 01 31 49.0 40.41N 26.18E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.1km az=315.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=145.5.
DDA Event type ke.
ISC VIII 23 02 54 45.1–1.1 39.00N–.02 29.83E–.02 5–9 121 0-7
ISCJB VIII 23 02 54 44.6–.41 39.01N–.02 29.83E–.02 3–3 ¶601890008
DDA VIII 23 02 54 44.3 38.99N 29.85E 5 3.8L
ISK VIII 23 02 54 44.4 39.00N 29.82E 7–0 3.3L
THE VIII 23 02 54 46.1 38.97N 29.80E 0–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=33.8.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=225.0.
ISC VIII 23 03 01 41.9–1.0 38.99N–.04 29.83E–.03 10 19 0-2
ISCJB VIII 23 03 01 41.7–.65 38.98N–.05 29.83E–.04 10 ¶601890010
DDA VIII 23 03 01 41.3 39.00N 29.83E 7 2.5L
ISK VIII 23 03 01 41.4 39.00N 29.82E 5–0 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=156.3.
DDA Event type ke.
ISK Event type ke.
ISC VIII 23 19 07 43.3–1.1 39.20N–.03 42.13E–.04 19–3 19 0-1
ISK VIII 23 19 07 42.4 39.20N 42.10E 6–0 1.8L ¶601890038
ISCJB VIII 23 19 07 43.7–.49 39.18N–.03 42.12E–.04 19–6 1.8L
DDA VIII 23 19 07 43.9 39.22N 42.25E 7 2.7L
ISC Event type ke.
ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.4km az=37.9.
DDA Event type ke.
ISC VIII 24 09 28 12.0–1.2 37.89N–.03 38.97E–.03 9–10 22 0-2
ISK VIII 24 09 28 11.1 37.93N 38.91E 17–1 1.9L ¶601890063
ISCJB VIII 24 09 28 12.7–.56 37.92N–.04 38.91E–.05 18–10 1.9L
DDA VIII 24 09 28 12.4 37.92N 38.97E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.8km az=15.6.
DDA Event type ke.
ISC VIII 24 13 17 43.3–.94 39.09N–.03 29.15E–.03 10–6 20 0-2
ISCJB VIII 24 13 17 43.6–.46 39.07N–.04 29.15E–.04 8–4 ¶601890072
DDA VIII 24 13 17 43.3 39.10N 29.15E 5 2.7L
ISK VIII 24 13 17 43.3 39.06N 29.13E 10–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=173.8.
DDA Event type ke.
ISK Event type ke.
ISC VIII 24 17 07 47.8–.84 39.07N–.04 29.14E–.03 13–5 23 0-2
DDA VIII 24 17 07 47.4 39.09N 29.15E 7 2.5L ¶601890080
ISK VIII 24 17 07 47.7 39.08N 29.13E 13–0 2.1L
ISCJB VIII 24 17 07 48.0–.42 39.08N–.03 29.14E–.03 11–3 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 24 18 15 18.5–.94 39.10N–.04 29.15E–.03 14–6 18 0-1
ISCJB VIII 24 18 15 18.7–.60 39.10N–.04 29.15E–.04 11–4 ¶601890083
DDA VIII 24 18 15 18.3 39.09N 29.16E 7 2.5L
ISK VIII 24 18 15 18.4 39.06N 29.13E 14–0 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=175.1.
DDA Event type ke.
ISK Event type ke.
ISC VIII 24 22 10 48.6–.86 37.85N–.02 27.04E–.02 13–7 70 0-2
ATH VIII 24 22 10 47.3 37.80N 27.11E 20–1 2.7L ¶601890099
ISCJB VIII 24 22 10 48.5–.39 37.83N–.02 27.06E–.02 3–4 2.7L
THE VIII 24 22 10 48.9 37.83N 27.04E 2–2 2.6L
ISK VIII 24 22 10 48.4 37.85N 27.10E 8–0 3.1L
DDA VIII 24 22 10 49.2 37.89N 27.05E 3 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.5km az=264.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=137.7.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=203.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 24 23 50 26.7–.96 39.32N–.04 29.11E–.05 8 17 0-2
ISCJB VIII 24 23 50 26.6–.54 39.34N–.04 29.09E–.07 8 ¶601890102
ISK VIII 24 23 50 26.7 39.32N 29.08E 15–0 2.0L
DDA VIII 24 23 50 27.3 39.30N 29.10E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=25.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 25 02 47 21.0–1.3 40.66N–.04 34.36E–.03 9–12 24 0-2
DDA VIII 25 02 47 20.9 40.64N 34.37E 7 2.6L ¶601890104
ISK VIII 25 02 47 20.9 40.69N 34.36E 9–0 2.1L
ISCJB VIII 25 02 47 21.1–.62 40.68N–.03 34.39E–.04 5–5 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 25 04 54 40.1–.89 39.55N–.02 26.05E–.02 12–7 62 0-2
DDA VIII 25 04 54 38.9 39.53N 26.05E 7 2.9L ¶601890110
ISCJB VIII 25 04 54 39.9–.42 39.55N–.02 26.07E–.03 5–4 2.9L
ISK VIII 25 04 54 39.6 39.57N 26.02E 14–0 2.4L
THE VIII 25 04 54 40.1 39.55N 26.05E 6–1 2.0L
ATH VIII 25 04 54 40.1 39.56N 26.07E 10–4 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=167.4.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=235.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.8km az=261.0.
ISC VIII 25 07 24 47.0–1.1 38.67N–.02 28.00E–.02 0–9 3.4b,3.1s 217 0-41
ATH VIII 25 07 24 47.0 38.68N 27.95E 20–3 3.8L,3.1s ¶601625880
DDA VIII 25 07 24 46.4 38.71N 28.03E 17 4.1L,3.1s
ISK VIII 25 07 24 46.2 38.66N 27.97E 4–0 3.9L,3.1s
ISCJB VIII 25 07 24 46.3–.37 38.68N–.01 27.99E–.02 0–3 3.4b,3.0s
THE VIII 25 07 24 48.1 38.65N 27.96E 2–1 3.8L,3.0s
IDC VIII 25 07 24 51.6–3.1 38.44N 28.28E 35–34 3.5,3.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.5km az=140.0.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=145.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=162.0.
IDC Error ellipse: s-maj=22.2km s-min=15.3km az=150.0.
ISC VIII 25 09 27 40.4–.96 40.56N–.04 37.66E–.03 11 13 0-2
ISCJB VIII 25 09 27 39.8–.65 40.57N–.04 37.64E–.05 11 ¶602995816
DDA VIII 25 09 27 40.3 40.58N 37.66E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=161.4.
DDA Event type ke.
ISC VIII 25 09 50 42.7–1.0 40.62N–.07 32.88E–.04 10 12 0-1
ISCJB VIII 25 09 50 42.9–.72 40.68N–.06 32.84E–.04 10 ¶601890120
DDA VIII 25 09 50 42.1 40.61N 32.88E 7 2.6L
ISK VIII 25 09 50 43.9 40.62N 32.90E 20–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.6km az=169.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 25 11 38 35.9–1.1 38.69N–.03 43.20E–.03 15–10 23 0-2
ISK VIII 25 11 38 34.9 38.69N 43.18E 6–0 2.5L ¶601890125
ISCJB VIII 25 11 38 36.1–.43 38.70N–.03 43.19E–.04 13–5 2.5L
DDA VIII 25 11 38 36.3 38.67N 43.23E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=44.9.
DDA Event type ke.
ISC VIII 25 13 13 26.2–.94 38.70N–.03 28.03E–.03 10 24 0-2
ISCJB VIII 25 13 13 25.9–.41 38.70N–.03 28.02E–.04 10 ¶601890129
DDA VIII 25 13 13 26.0 38.71N 28.02E 4 2.7L
ISK VIII 25 13 13 25.4 38.70N 28.03E 7–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=30.7.
DDA Event type ke.
ISK Event type ke.
ISC VIII 25 14 00 24.9–1.0 38.73N–.03 43.42E–.05 16–11 21 0-2
DDA VIII 25 14 00 24.9 38.74N 43.41E 7 2.8L ¶601890131
ISK VIII 25 14 00 24.5 38.74N 43.29E 2–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 25 17 38 28.2–.90 39.10N–.03 29.15E–.03 12–6 29 0-2
DDA VIII 25 17 38 27.6 39.10N 29.14E 12 2.8L ¶601890141
ISCJB VIII 25 17 38 28.4–.39 39.07N–.03 29.15E–.03 10–3 2.8L
ISK VIII 25 17 38 28.2 39.11N 29.15E 5–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=0.4.
ISK Event type ke.
ISC VIII 25 19 42 25.0–1.1 38.89N–.05 43.52E–.05 23–8 15 0-1
ISK VIII 25 19 42 24.5 38.85N 43.53E 22–0 2.2L ¶601890143
ISCJB VIII 25 19 42 25.1–1.2 38.87N–.05 43.58E–.07 28–8 2.2L
DDA VIII 25 19 42 25.1 38.91N 43.53E 24 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.1km az=29.9.
DDA Event type ke.
ISC VIII 25 23 33 51.3–.91 39.12N–.02 29.07E–.02 6–7 112 0-8
DDA VIII 25 23 33 50.6 39.11N 29.07E 8 3.5L ¶601890148
ISK VIII 25 23 33 50.9 39.10N 29.08E 3–0 3.2L
IASPE VIII 25 23 33 51.3–.91 39.11N–.03 29.07E–.02 7–7 3.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˇ¡r and McLaughlin (2009) selection criteria. Bondˇ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISC VIII 26 07 37 16.5–.91 38.95N–.03 40.53E–.03 10–7 26 0-2
ISK VIII 26 07 37 15.6 38.91N 40.52E 5–0 2.4L ¶601890164
DDA VIII 26 07 37 16.9 38.96N 40.53E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISK VIII 26 08 50 34.3 37.28N 42.51E 5–0 2.6L
ISN VIII 26 08 50 34.7–.30 37.14N 42.63E 0 2.6L ¶601890166
ISK Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.8km az=-1.0.
ISC VIII 26 15 00 34.8–1.3 36.15N–.05 34.54E–.03 23–16 20 0-1
ISK VIII 26 15 00 34.7 36.17N 34.61E 30–0 2.0L ¶601890182
DDA VIII 26 15 00 35.3 36.20N 34.65E 8 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 26 17 41 10.1–1.2 38.76N–.03 43.14E–.04 6–12 15 0-1
ISK VIII 26 17 41 08.6 38.75N 43.15E 5–0 2.1L ¶601890185
DDA VIII 26 17 41 10.1 38.70N 43.26E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 27 02 22 02.8–1.1 39.98N–.02 42.49E–.04 5–10 24 0-2
DDA VIII 27 02 22 02.9 39.98N 42.49E 5 2.6L ¶601890200
ISK VIII 27 02 22 03.1 40.00N 42.58E 9–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 27 06 34 09.1–1.2 38.30N–.05 38.77E–.03 8–12 12 0-2
ISK VIII 27 06 34 08.3 38.32N 38.82E 5–0 2.0L ¶601890205
DDA VIII 27 06 34 09.7 38.30N 38.72E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 27 07 08 53.2–1.0 38.92N–.05 43.57E–.04 17–6 17 0-1
DDA VIII 27 07 08 52.8 38.90N 43.59E 17 2.9L ¶601890207
ISK VIII 27 07 08 53.2 38.94N 43.51E 11–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 27 07 32 13.5–1.1 39.09N–.03 28.15E–.03 12–12 23 0-1
ISCJB VIII 27 07 32 13.8–.43 39.08N–.03 28.15E–.03 8–6 ¶601890209
DDA VIII 27 07 32 13.7 39.12N 28.14E 7 2.5L
ISK VIII 27 07 32 13.2 39.10N 28.15E 10–6 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=31.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 27 14 31 56.3–1.0 39.10N–.04 29.09E–.03 9–7 20 0-2
DDA VIII 27 14 31 56.0 39.11N 29.11E 7 2.5L ¶601890238
ISCJB VIII 27 14 31 56.5–.46 39.08N–.04 29.09E–.04 8–4 2.5L
ISK VIII 27 14 31 56.3 39.09N 29.09E 7–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=167.2.
ISK Event type ke.
ISC VIII 27 15 01 17.9–.97 38.72N–.03 28.06E–.03 12–8 21 0-2
ISCJB VIII 27 15 01 17.9–.52 38.71N–.03 28.07E–.04 4–6 ¶601890242
DDA VIII 27 15 01 17.7 38.71N 28.07E 8 2.6L
ISK VIII 27 15 01 17.7 38.72N 28.05E 11–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=142.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 27 15 20 08.4–1.6 37.34N–.09 42.65E–.04 1–12 19 0-2
DDA VIII 27 15 20 08.1 37.33N 42.65E 7 2.6L ¶601890243
ISK VIII 27 15 20 08.3 37.34N 42.54E 3–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 28 08 24 41.1–1.1 38.48N–.03 31.82E–.03 7–11 18 0-1
DDA VIII 28 08 24 40.8 38.51N 31.83E 7 2.7L ¶601890276
ISK VIII 28 08 24 40.8 38.44N 31.86E 2–0 2.2L
ISCJB VIII 28 08 24 41.2–.53 38.44N–.03 31.81E–.04 2–17 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 28 09 46 26.0–1.2 38.89N–.04 38.63E–.03 11–12 18 0-2
DDA VIII 28 09 46 25.9 38.89N 38.63E 7 2.8L ¶601890282
ISK VIII 28 09 46 25.9 38.87N 38.67E 4–0 1.8L
ISCJB VIII 28 09 46 26.1–.52 38.88N–.03 38.63E–.03 7–6 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 28 16 55 43.0–.90 39.12N–.03 29.06E–.02 9–6 31 0-2
DDA VIII 28 16 55 42.3 39.12N 29.08E 7 2.8L ¶601890295
ISK VIII 28 16 55 42.9 39.12N 29.06E 6–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 29 11 37 39.3–.89 39.05N–.04 41.25E–.03 14–6 24 0-2
ISK VIII 29 11 37 38.8 39.05N 41.26E 9–0 2.0L ¶601890321
ISCJB VIII 29 11 37 39.8–.45 39.07N–.04 41.24E–.03 10–5 2.0L
DDA VIII 29 11 37 39.6 39.12N 41.23E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.8km az=168.1.
DDA Event type ke.
ISC VIII 29 17 37 12.2–1.0 39.32N–.02 39.70E–.03 8–10 29 0-2
DDA VIII 29 17 37 11.7 39.33N 39.69E 7 3.0L ¶601890334
ISK VIII 29 17 37 11.9 39.30N 39.70E 8–0 2.8L
ISCJB VIII 29 17 37 12.4–.45 39.31N–.02 39.70E–.03 7–4 2.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 29 21 05 24.3–1.0 39.28N–.03 27.89E–.04 9–8 24 0-2
ISCJB VIII 29 21 05 24.4–.46 39.29N–.03 27.90E–.04 5–5 ¶601890337
DDA VIII 29 21 05 24.1 39.30N 27.90E 7 2.6L
ISK VIII 29 21 05 24.3 39.29N 27.88E 10–0 2.5L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=144.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 30 02 12 36.2–1.4 36.02N–.05 29.05E–.03 6–11 37 0-2
ATH VIII 30 02 12 35.7 35.75N 29.06E 10–31 2.1L **¶601890342**
DDA VIII 30 02 12 36.2 36.02N 29.05E 22 2.7L
ISK VIII 30 02 12 37.4 36.09N 29.06E 8–0 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.3km az=0.0.
DDA Event type ke.
ISK Event type ke.
DDA VIII 30 08 01 10.3 39.56N 26.36E 7 2.1L
¶602995905
DDA Event type ke.
ISC VIII 30 10 46 57.8–1.6 38.79N–.04 43.13E–.04 2–15 17 0-2
DDA VIII 30 10 46 57.3 38.77N 43.27E 7 2.7L **¶601890358**
ISK VIII 30 10 46 59.1 38.71N 43.01E 6–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISK VIII 30 13 43 48.1 37.26N 30.60E 13–0 2.7L
DDA VIII 30 13 43 47.9 37.27N 30.62E 12 3.1L **¶601890364**
ISK Event type ke.
DDA Event type ke.
ISC VIII 30 16 52 08.3–1.1 39.32N–.04 38.54E–.04 7–7 16 0-2
ISK VIII 30 16 52 07.3 39.34N 38.57E 5–0 2.0L **¶601890372**
DDA VIII 30 16 52 08.4 39.32N 38.53E 5 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 30 17 53 43.2–.90 39.06N–.03 29.02E–.02 6–6 31 0-2
ISK VIII 30 17 53 42.8 39.04N 29.02E 4–0 2.2L **¶601890374**
DDA VIII 30 17 53 43.1 39.09N 29.04E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 30 21 58 31.9–.95 38.49N–.03 43.30E–.04 9–7 24 0-2
ISK VIII 30 21 58 31.6 38.49N 43.27E 6–0 2.2L **¶601890387**
ISCJB VIII 30 21 58 32.1–.55 38.48N–.03 43.32E–.05 7–4 2.2L
DDA VIII 30 21 58 32.2 38.52N 43.30E 8 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=35.4.
DDA Event type ke.
ISK VIII 31 05 16 53.5 37.63N 42.95E 5–0 2.7L
ISN VIII 31 05 16 40.8–1.1 36.86N 43.91E 0–7 2.7L **¶601890399**
ISK Event type ke.
ISN Error ellipse: s-maj=12.5km s-min=7.4km az=-1.0.
ISC VIII 31 14 14 50.0–1.1 39.48N–.02 39.98E–.01 2–8 4.2b 140 0-52
ISCJB VIII 31 14 14 49.9–.39 39.50N–.02 40.02E–.02 1–3 4.2b **¶601755699**
MOS VIII 31 14 14 49.8–1.4 39.47N 39.92E 11 4.3b
DDA VIII 31 14 14 49.4 39.49N 39.99E 16 4.2L
ISK VIII 31 14 14 49.0 39.51N 40.03E 5–0 4.2L
IDC VIII 31 14 14 49.9–.78 39.46N 39.90E 0 4.0,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=20.4.
MOS Error ellipse: s-maj=10.6km s-min=6.6km az=73.4.
DDA Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=9.2km az=155.0.
ISC VIII 31 15 30 06.9–1.3 38.86N–.05 35.74E–.06 4–15 12 0-2
DDA VIII 31 15 30 06.2 38.87N 35.61E 7 2.6L **¶601890417**
ISK VIII 31 15 30 07.3 38.87N 35.79E 3–0 1.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 31 18 57 23.7–.93 39.00N–.03 43.64E–.03 6–7 30 0-2
ISK VIII 31 18 57 22.7 39.01N 43.64E 5–0 2.4L **¶601890425**
ISCJB VIII 31 18 57 24.0–.53 39.02N–.02 43.64E–.04 1–5 2.4L
DDA VIII 31 18 57 23.3 39.01N 43.67E 2 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=23.1.
DDA Event type ke.
ISC IX 01 00 34 24.8–1.2 38.05N–.03 42.72E–.03 8–13 28 0-3
ISCJB IX 01 00 34 25.0–.54 38.05N–.03 42.72E–.03 7–5 **¶602077335**
DDA IX 01 00 34 25.0 38.06N 42.74E 7 2.5L
ISK IX 01 00 34 24.6 38.06N 42.72E 11–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=163.6.
DDA Event type ke.
ISK Event type ke.
ISC IX 01 03 21 23.7–1.2 38.73N–.03 43.19E–.03 4–11 24 0-2
ISK IX 01 03 21 22.4 38.73N 43.18E 5–0 2.4L **¶602077340**
ISCJB IX 01 03 21 23.5–.46 38.74N–.03 43.18E–.04 0–9 2.4L
DDA IX 01 03 21 23.2 38.73N 43.21E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=150.5.
DDA Event type ke.
ISC IX 01 06 55 04.7–.97 40.66N–.04 41.20E–.03 7 18 0-2
ISK IX 01 06 55 03.9 40.61N 41.29E 8–0 2.6L **¶602077348**
DDA IX 01 06 55 05.0 40.70N 41.10E 7 2.7L
ISCJB IX 01 06 55 05.3–.52 40.65N–.04 41.21E–.05 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 01 08 48 33.7–1.2 40.08N–.05 34.93E–.04 8–13 11 0-2
DDA IX 01 08 48 33.3 40.09N 35.00E 7 2.7L **¶602077353**
ISK IX 01 08 48 33.3 40.10N 34.88E 3–0 2.1L
ISCJB IX 01 08 48 34.1–.66 40.10N–.05 34.88E–.07 8–8 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 01 10 43 59.0–.94 38.44N–.04 39.63E–.03 9 17 0-2
ISK IX 01 10 43 59.6 38.41N 39.64E 13–0 2.2L **¶602077359**
ISCJB IX 01 10 44 00.2–.52 38.46N–.05 39.64E–.05 9 2.2L
DDA IX 01 10 44 00.1 38.45N 39.62E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.2km az=171.3.
DDA Event type ke.
ISC IX 01 18 43 20.1–1.1 38.69N–.04 43.03E–.04 15 11 0-1
ISCJB IX 01 18 43 20.0–.71 38.71N–.04 43.01E–.06 15 **¶602077377**
ISK IX 01 18 43 19.3 38.69N 43.04E 14–3 2.0L
DDA IX 01 18 43 20.6 38.69N 43.05E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=156.3.
ISK Event type ke.
DDA Event type ke.
ISC IX 02 02 26 24.7–1.3 37.94N–.03 38.04E–.04 6–13 15 0-1
ISCJB IX 02 02 26 25.5–.56 37.94N–.03 37.94E–.05 13–8 **¶602077390**
DDA IX 02 02 26 25.1 37.94N 38.16E 7 2.5L
ISK IX 02 02 26 25.2 37.97N 37.94E 6–0 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.8km az=176.6.
DDA Event type ke.
ISK Event type ke.

ISC IX 02 09 15 59.0–1.2 37.88N–.03 39.06E–.03 4–11 21 0-2
ISCJB IX 02 09 15 58.7–.70 37.88N–.03 39.11E–.05 1–8 **¶602077396**
ISK IX 02 09 15 58.2 37.89N 39.09E 10–0 2.2L
DDA IX 02 09 16 00.4 37.91N 38.97E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=19.8.
ISK Event type ke.
DDA Event type ke.
ISC IX 02 10 30 51.0–1.1 38.66N–.03 43.13E–.04 7–11 18 0-1
DDA IX 02 10 30 50.3 38.65N 43.15E 7 2.7L **¶602077397**
ISK IX 02 10 30 50.0 38.68N 43.15E 5–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 02 15 25 51.3–1.2 38.04N–.03 42.73E–.03 7–10 36 0-3
ISCJB IX 02 15 25 51.3–.56 38.04N–.03 42.70E–.03 0–6 **¶602077403**
DDA IX 02 15 25 51.6 38.07N 42.72E 7 3.1L
ISK IX 02 15 25 51.1 38.03N 42.69E 6–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=143.6.
DDA Event type ke.
ISK Event type ke.
ISC IX 02 18 33 30.9–1.1 38.70N–.03 43.34E–.05 18–4 17 0-1
ISK IX 02 18 33 30.1 38.68N 43.36E 16–0 2.4L **¶602077407**
DDA IX 02 18 33 30.6 38.69N 43.32E 7 2.6L
ISCJB IX 02 18 33 31.0–.78 38.66N–.04 43.40E–.06 22–7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 03 12 08 47.0–1.0 37.38N–.04 38.59E–.03 11–8 26 0-3
ISCJB IX 03 12 08 46.7–.67 37.36N–.04 38.61E–.04 6–5 **¶602077430**
DDA IX 03 12 08 46.3 37.32N 38.58E 7 3.0L
ISK IX 03 12 08 46.8 37.44N 38.57E 6–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=168.0.
DDA Event type ke.
ISK Event type ke.
ISC IX 03 14 14 25.7–1.1 38.48N–.03 39.37E–.06 9–12 14 0-1
ISCJB IX 03 14 14 25.6–.86 38.47N–.04 39.33E–.10 10–8 **¶602077435**
DDA IX 03 14 14 25.9 38.47N 39.39E 7 2.6L
ISK IX 03 14 14 25.4 38.46N 39.38E 6–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.0km az=177.6.
DDA Event type ke.
ISK Event type ke.
ISC IX 03 15 22 27.5–1.3 37.35N–.05 42.63E–.03 4–10 30 0-2
ISN IX 03 15 22 24.0–.30 37.22N 42.62E 0 2.7L **¶602029053**
ISK IX 03 15 22 25.5 37.28N 42.56E 5–0 2.7L
DDA IX 03 15 22 26.8 37.32N 42.62E 9 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.6km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 03 18 42 03.5–1.1 37.93N–.03 37.94E–.03 10–10 31 1-3
ISK IX 03 18 42 02.5 37.93N 37.91E 4–0 2.3L **¶602077442**
DDA IX 03 18 42 03.2 37.95N 37.97E 7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 04 05 08 01.8–1.0 40.03N–.05 37.79E–.05 16–9 12 0-2
DDA IX 04 05 08 00.9 40.07N 37.69E 5 2.5L **¶602997480**
ISC Event type ke.
DDA Event type ke.
ISC IX 04 09 25 13.9–.82 41.07N–.03 39.72E–.02 28–5 57 0-28
DDA IX 04 09 25 12.4 41.10N 39.74E 30 3.7L **¶601862916**
ISK IX 04 09 25 12.5 41.07N 39.70E 20–0 3.2L
ISCJB IX 04 09 25 13.2–.51 41.12N–.04 39.70E–.03 20–4 3.3b
IDC IX 04 09 25 18.6–3.2 41.33N 40.07E 31–25 3.3b,3.2
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.4km az=171.6.
IDC Error ellipse: s-maj=55.8km s-min=14.6km az=149.0.
ISC IX 04 13 13 52.3–.94 39.67N–.03 29.47E–.05 9 19 1-2
DDA IX 04 13 13 51.0 39.71N 29.53E 7 2.7L **¶602077472**
ISCJB IX 04 13 13 52.3–.56 39.66N–.03 29.49E–.06 9 2.7L
ISK IX 04 13 13 52.5 39.71N 29.50E 5–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=10.3.
ISK Event type ke.
ISC IX 04 15 52 41.9–1.2 40.17N–.03 31.74E–.04 5–11 23 0-2
DDA IX 04 15 52 41.7 40.14N 31.81E 7 2.5L **¶602077479**
ISK IX 04 15 52 42.1 40.12N 31.65E 5–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 04 17 58 45.1–2.4 37.2N–.20 43.7E–.10 32–11 8 0-1
DDA IX 04 17 58 45.6 37.25N 43.70E 30 2.5L **¶602997494**
ISC Event type ke.
DDA Event type ke.
ISC IX 04 19 56 51.0–1.2 38.62N–.03 43.10E–.03 7–11 19 0-1
ISK IX 04 19 56 49.7 38.62N 43.10E 12–1 1.9L **¶602077488**
DDA IX 04 19 56 50.7 38.63N 43.17E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 04 23 12 16.5–1.1 38.77N–.02 43.24E–.04 4–11 27 0-2
ISK IX 04 23 12 14.7 38.77N 43.25E 3–0 2.2L **¶602077493**
DDA IX 04 23 12 15.4 38.75N 43.24E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 05 01 02 23.0–1.1 38.44N–.03 39.12E–.03 7–9 23 0-2
ISCJB IX 05 01 02 22.7–.76 38.44N–.03 39.10E–.04 3–6 **¶602077495**
DDA IX 05 01 02 22.3 38.43N 39.12E 9 2.7L
ISK IX 05 01 02 22.7 38.44N 39.13E 8–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=38.4.
DDA Event type ke.
ISK Event type ke.
ISC IX 05 01 32 31.8–1.2 38.70N–.03 43.17E–.04 8–11 22 0-2
ISK IX 05 01 32 30.9 38.68N 43.16E 4–0 1.9L **¶602077497**
DDA IX 05 01 32 31.4 38.72N 43.26E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 05 04 29 32.9–1.1 38.68N–.02 40.12E–.02 10–12 41 0-3
ISK IX 05 04 29 32.4 38.70N 40.14E 3–0 2.7L **¶602077500**
ISCJB IX 05 04 29 33.1–.47 38.70N–.03 40.14E–.03 3–5 2.7L
DDA IX 05 04 29 33.0 38.67N 40.11E 7 3.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=10.7.
DDA Event type ke.
ISC IX 05 08 06 26.5–1.3 37.80N–.03 38.21E–.04 10–12 18 1-1
DDA IX 05 08 06 26.4 37.80N 38.25E 7 2.6L **¶602077503**
ISK IX 05 08 06 26.1 37.77N 38.15E 14–0 1.7L
ISC Event type ke.
DDA Event type ke.

ISK Event type ke.
ISC IX 05 12 09 16.5–1.0 40.61N–.03 36.59E–.03 6–10 22 0-2
ISK IX 05 12 09 15.5 40.61N 36.60E 5–0 2.2L **¶602077518**
ISCJB IX 05 12 09 16.5–.49 40.60N–.03 36.60E–.04 5–5 2.2L
DDA IX 05 12 09 16.3 40.60N 36.62E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=172.6.
DDA Event type ke.
ISC IX 05 12 13 06.8–1.1 38.72N–.04 43.18E–.04 11–10 19 0-2
ISK IX 05 12 13 05.5 38.72N 43.16E 9–0 2.2L **¶602077519**
DDA IX 05 12 13 06.6 38.71N 43.18E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 05 12 27 54.2–1.0 38.70N–.03 28.07E–.03 11–9 27 0-2
ISCJB IX 05 12 27 53.9–.52 38.69N–.03 28.06E–.03 1–6 **¶602077520**
ISK IX 05 12 27 53.6 38.70N 28.07E 9–0 2.3L
DDA IX 05 12 27 54.2 38.69N 28.07E 8 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=21.1.
ISK Event type ke.
DDA Event type ke.
ISC IX 05 15 49 03.1–.92 38.97N–.02 27.63E–.01 13–8 178 0-7
ATH IX 05 15 49 00.9 38.91N 27.71E 21–1 3.6L **¶602029215**
ISCJB IX 05 15 49 02.6–.32 38.96N–.01 27.61E–.02 8–2 3.6L
ISK IX 05 15 49 02.5 38.97N 27.61E 12–0 3.8L
THE IX 05 15 49 02.8 38.97N 27.62E 0–1 3.5L
DDA IX 05 15 49 02.3 38.97N 27.62E 21 4.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=256.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=179.1.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=75.0.
DDA Event type ke.
ISC IX 06 06 33 47.5–1.5 38.62N–.06 37.64E–.07 13–10 10 0-1
DDA IX 06 06 33 47.8 38.68N 37.53E 26 2.6L **¶602997538**
ISC Event type ke.
DDA Event type ke.
ISC IX 06 07 20 09.0–1.2 36.79N–.03 33.38E–.03 15–11 32 0-1
ISK IX 06 07 20 08.2 36.78N 33.35E 22–0 2.2L **¶602077557**
ISCJB IX 06 07 20 09.7–.48 36.77N–.04 33.41E–.04 26–8 2.2L
DDA IX 06 07 20 09.2 36.79N 33.41E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=166.4.
DDA Event type ke.
ISC IX 06 08 07 49.4–1.2 38.71N–.04 43.56E–.05 17–10 16 0-1
ISCJB IX 06 08 07 48.9–1.0 38.65N–.04 43.71E–.08 10–6 **¶602077558**
DDA IX 06 08 07 48.5 38.68N 43.64E 7 2.6L
ISK IX 06 08 07 48.2 38.78N 43.36E 15–1 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.7km az=27.0.
DDA Event type ke.
ISK Event type ke.
ISC IX 06 09 18 32.7–1.4 36.40N–.08 29.38E–.04 10 21 0-2
DDA IX 06 09 18 31.1 36.28N 29.29E 7 2.6L **¶602077561**
ISK IX 06 09 18 32.5 36.47N 29.39E 5–0 2.1L
ISCJB IX 06 09 18 33.1–1.1 36.42N–.07 29.38E–.05 10 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 06 09 36 03.0–1.1 37.02N–.06 37.45E–.04 8 13 0-2
ISCJB IX 06 09 36 02.9–.85 36.99N–.05 37.45E–.05 8 **¶602077563**
ISK IX 06 09 36 02.4 37.01N 37.47E 10–1 2.2L
DDA IX 06 09 36 04.6 37.14N 37.41E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.0km az=0.4.
ISK Event type ke.
DDA Event type ke.
ISC IX 06 10 08 06.5–3.0 38.75N–.08 43.8E–.20 31–10 12 0-1
DDA IX 06 10 08 09.2 38.77N 43.50E 24 2.6L **¶602997542**
ISC Event type ke.
DDA Event type ke.
ISC IX 06 11 06 23.9–1.2 36.05N–.03 31.22E–.02 10–10 86 1-4
DDA IX 06 11 06 22.7 36.01N 31.22E 16 3.5L **¶601687270**
ISCJB IX 06 11 06 23.6–.81 36.08N–.03 31.22E–.02 2–6 3.5L
ISK IX 06 11 06 23.3 36.05N 31.20E 8–0 3.8L
NIC IX 06 11 06 29.5–.40 36.00N 31.69E 5 3.7L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.8km az=18.8.
ISK Event type ke.
ISC IX 06 11 52 22.0–.97 37.42N–.03 36.96E–.03 7–8 22 0-2
ISK IX 06 11 52 21.0 37.45N 37.03E 7–0 2.0L **¶602077569**
DDA IX 06 11 52 23.2 37.43N 36.98E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 06 20 01 27.7–1.1 36.74N–.04 35.95E–.04 11–10 15 0-1
ISK IX 06 20 01 26.9 36.75N 35.97E 5–0 2.1L **¶602077588**
DDA IX 06 20 01 28.4 36.71N 35.93E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 07 13 57 59.9–1.4 36.99N–.05 31.10E–.03 7–12 21 0-2
DDA IX 07 13 58 01.0 37.42N 30.97E 8 2.6L **¶602077612**
ISK IX 07 13 58 00.3 36.86N 31.10E 11–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 07 15 22 02.4–1.7 37.35N–.07 42.58E–.04 5–10 25 0-3
ISK IX 07 15 22 00.1 37.28N 42.57E 5–0 2.6L **¶602029367**
DDA IX 07 15 22 02.0 37.33N 42.58E 7 3.0L
ISN IX 07 15 22 02.0–.57 37.24N 42.68E 0–2 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=3.9km s-min=2.0km az=-1.0.
ISC IX 07 17 34 02.2–1.0 38.75N–.03 43.58E–.04 15–8 35 0-3
ISK IX 07 17 34 01.2 38.75N 43.49E 5–0 2.7L **¶602077618**
ISCJB IX 07 17 34 02.8–.57 38.72N–.03 43.59E–.06 12–3 2.7L
DDA IX 07 17 34 02.1 38.73N 43.56E 5 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.6km az=26.2.
DDA Event type ke.
ISC IX 08 10 01 07.9–1.1 37.29N–.02 37.08E–.02 2–7 4.1b 186 0-56
ISK IX 08 10 01 06.8 37.29N 37.02E 5–0 4.1L **¶601696489**
DDA IX 08 10 01 06.3 37.29N 37.13E 22 4.3L
NEIC IX 08 10 01 06.6–.00 37.33N 37.09E 4 4.3L,4.1L
GII IX 08 10 01 07.7–.00 37.30N 37.07E 1 4.3b,4.2
IDC IX 08 10 01 07.5–.74 37.38N 36.94E 0 3.9,3.8
ISCJB IX 08 10 01 07.2–.57 37.28N–.02 37.08E–.02 5–4 4.1s,4.0b
NIC IX 08 10 01 13.0–.30 36.93N 36.93E 12 4.3b,4.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
NEIC Event type se. After ISK.

GII Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=10.6km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=146.7.
ISC IX 08 10 40 09.1–.93 37.32N–.02 37.13E–.03 10–7 32 0-2
DDA IX 08 10 40 08.7 37.29N 37.13E 7 2.8L **¶602077638**
ISK IX 08 10 40 08.6 37.34N 37.12E 8–0 2.4L
ISCJB IX 08 10 40 09.1–.69 37.31N–.02 37.15E–.03 1–6 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 08 18 35 24.2–1.1 37.62N–.03 36.25E–.03 4–9 34 0-3
ISK IX 08 18 35 23.9 37.66N 36.27E 8–0 2.5L **¶602077649**
DDA IX 08 18 35 24.0 37.61N 36.23E 3 3.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 08 20 04 09.7–1.0 37.43N–.04 37.17E–.03 11–9 21 0-2
DDA IX 08 20 04 08.9 37.40N 37.19E 7 2.9L **¶602077652**
ISK IX 08 20 04 09.8 37.47N 37.17E 9–0 1.8L
ISCJB IX 08 20 04 10.4–.67 37.45N–.04 37.16E–.04 10–6 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 08 21 20 55.7–.96 37.63N–.03 36.28E–.02 6–7 35 0-3
ISK IX 08 21 20 54.9 37.68N 36.30E 8–0 2.4L **¶602077655**
IASPE IX 08 21 20 55.7–1.0 37.63N–.03 36.26E–.03 5–8 2.4L
DDA IX 08 21 20 55.6 37.62N 36.26E 4 3.2L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=45.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
ISC IX 09 00 10 08.9–.96 37.31N–.03 37.12E–.03 10–7 24 0-2
ISK IX 09 00 10 07.9 37.36N 37.13E 9–0 1.9L **¶602077657**
ISCJB IX 09 00 10 09.0–.64 37.34N–.03 37.14E–.04 4–6 1.9L
DDA IX 09 00 10 08.8 37.29N 37.13E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=142.3.
DDA Event type ke.
ISC IX 09 00 47 22.7–1.0 37.36N–.03 37.14E–.03 9–8 22 0-2
ISCJB IX 09 00 47 22.8–.65 37.34N–.03 37.13E–.04 4–6 **¶602077658**
DDA IX 09 00 47 23.0 37.34N 37.12E 7 3.0L
ISK IX 09 00 47 22.0 37.36N 37.12E 9–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=135.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 09 10 40 41.7–.97 38.92N–.02 43.58E–.02 4–8 73 0-4
AZER IX 09 10 40 38.0–1.2 38.48N 43.33E 5 3.9L **¶602077667**
DDA IX 09 10 40 40.9 38.93N 43.59E 5 3.7L
ISK IX 09 10 40 40.3 38.93N 43.62E 5–0 3.6L
IASPE IX 09 10 40 41.8–1.1 38.93N–.03 43.59E–.03 2–10 3.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISC IX 09 16 11 54.7–.97 37.35N–.02 37.14E–.02 8–8 53 0-3
ISCJB IX 09 16 11 54.6–.56 37.31N–.02 37.13E–.02 3–4 **¶602077674**
DDA IX 09 16 11 54.4 37.32N 37.12E 23 3.9L
ISK IX 09 16 11 54.0 37.35N 37.14E 8–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=2.7.
DDA Event type ke.
ISK Event type ke.
ISC IX 10 00 31 59.6–.98 38.75N–.02 43.55E–.04 17–8 27 0-2
ISCJB IX 10 00 31 60.0–.58 38.73N–.02 43.60E–.06 10–4 **¶602077682**
DDA IX 10 00 31 59.8 38.76N 43.55E 7 2.9L
ISK IX 10 00 31 59.3 38.73N 43.55E 9–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.7km az=13.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 10 00 57 52.9–1.3 37.58N–.08 37.01E–.06 11 11 0-2
ISCJB IX 10 00 57 52.4–.89 37.57N–.06 36.99E–.04 11 **¶602997631**
DDA IX 10 00 57 56.5 37.62N 37.04E 11 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.7km az=10.7.
DDA Event type ke.
ISC IX 10 01 48 25.7–.98 39.12N–.03 29.04E–.03 14–6 21 0-1
ISCJB IX 10 01 48 25.8–.47 39.12N–.03 29.04E–.03 12–3 **¶602997633**
DDA IX 10 01 48 25.4 39.11N 29.03E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=176.1.
DDA Event type ke.
ISC IX 10 10 00 15.7–1.1 38.63N–.05 27.27E–.03 12 12 0-1
ISK IX 10 10 00 14.7 38.62N 27.27E 3–0 1.8L **¶602077690**
ISCJB IX 10 10 00 15.7–.70 38.62N–.05 27.25E–.05 12 1.8L
DDA IX 10 10 00 15.8 38.66N 27.15E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.7km az=157.3.
DDA Event type ke.
ISC IX 10 12 49 42.3–1.1 38.86N–.05 27.92E–.05 9–8 15 0-1
ISK IX 10 12 49 41.9 38.85N 27.93E 5–0 2.4L **¶602077697**
ISCJB IX 10 12 49 42.3–.74 38.84N–.04 27.93E–.06 8–9 2.4L
DDA IX 10 12 49 42.6 38.85N 27.91E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.6km az=146.4.
DDA Event type ke.
ISC IX 10 15 14 07.9–.98 39.97N–.04 32.36E–.04 8 14 0-1
ISK IX 10 15 14 06.3 40.08N 32.38E 13–0 1.5L **¶602077706**
DDA IX 10 15 14 06.8 39.90N 32.39E 7 2.5L
ISCJB IX 10 15 14 07.8–.61 39.95N–.04 32.34E–.05 8 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISK IX 10 15 29 34.7 37.14N 42.61E 6–0 2.8L
ISN IX 10 15 29 35.2–.76 37.03N 42.68E 1–3 2.8L **¶602029554**
ISK Event type ke.
ISN Error ellipse: s-maj=4.9km s-min=3.4km az=-1.0.
ISC IX 10 15 54 07.8–1.1 38.59N–.05 28.62E–.05 6–10 11 0-1
DDA IX 10 15 54 07.8 38.59N 28.64E 7 2.5L **¶602997645**
ISCJB IX 10 15 54 08.2–.91 38.59N–.04 28.64E–.06 3–25 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 10 20 24 55.6–1.5 37.36N–.04 36.09E–.07 19–3 14 0-2
DDA IX 10 20 24 55.3 37.36N 36.06E 6 2.5L **¶602997657**
ISC Event type ke.
DDA Event type ke.
ISC IX 10 21 24 44.5–1.2 37.37N–.04 36.06E–.04 14–10 17 0-2
DDA IX 10 21 24 44.7 37.36N 36.07E 16 2.5L **¶602997659**

ISC Event type ke.
DDA Event type ke.
ISC IX 11 03 14 24.5–1.2 38.06N–.04 42.60E–.03 9–11 25 0-3
ISK IX 11 03 14 23.8 38.07N 42.59E 7–0 2.6L **¶602029585**
ISCJB IX 11 03 14 24.4–.54 38.08N–.03 42.60E–.04 6–6 2.6L
DDA IX 11 03 14 24.6 38.06N 42.61E 7 2.6L
ISN IX 11 03 14 31.6–.30 36.40N 41.82E 0 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=145.2.
DDA Event type ke.
ISC IX 11 04 35 58.3–.99 36.31N–.03 29.45E–.02 8–7 3.8b 120 0-40
DDA IX 11 04 35 56.6 36.25N 29.43E 5 3.4L **¶601863333**
IDC IX 11 04 35 56.5–1.1 36.23N 29.54E 0 3.9,3.8
ISCJB IX 11 04 35 56.6–.53 36.25N–.02 29.49E–.02 3–4 3.7b,2.3s
GII IX 11 04 35 57.9–.00 36.28N 29.49E 5 3.7b,2.3s
THE IX 11 04 35 57.9 36.32N 29.47E 2–3 3.3L,2.3s
ISK IX 11 04 35 57.6 36.35N 29.48E 10–0 3.8L,2.3s
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.7km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=23.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.5km az=103.0.
ISK Event type ke.
ISC IX 11 05 15 35.1–1.3 37.17N–.03 36.24E–.04 9–15 18 0-2
DDA IX 11 05 15 35.2 37.17N 36.23E 6 2.7L **¶602997672**
ISC Event type ke.
DDA Event type ke.
ISC IX 11 19 00 18.5–.97 39.39N–.03 35.27E–.03 12–9 28 0-3
DDA IX 11 19 00 17.9 39.41N 35.27E 7 2.6 **¶602077750**
ISCJB IX 11 19 00 18.7–.61 39.40N–.03 35.27E–.04 10–5 2.6
ISK IX 11 19 00 18.2 39.38N 35.27E 11–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=143.2.
ISK Event type ke.
ISC IX 12 01 07 40.3–1.0 38.84N–.04 43.45E–.05 18–5 15 0-1
ISK IX 12 01 07 39.7 38.82N 43.44E 10–0 2.0L **¶602077763**
ISCJB IX 12 01 07 40.6–.58 38.82N–.04 43.46E–.08 18–8 2.0L
DDA IX 12 01 07 40.3 38.82N 43.47E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.8km az=23.5.
DDA Event type ke.
ISC IX 12 02 06 45.9–1.0 36.92N–.03 35.22E–.02 17–9 37 0-2
DDA IX 12 02 06 45.2 36.92N 35.19E 19 2.7L **¶602077767**
ISCJB IX 12 02 06 46.1–.50 36.92N–.03 35.23E–.03 9–4 2.7L
ISK IX 12 02 06 46.5 36.88N 35.23E 16–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=23.9.
ISK Event type ke.
ISC IX 12 06 08 12.4–1.1 38.65N–.03 43.63E–.05 13–8 21 0-2
ISCJB IX 12 06 08 12.1–.90 38.60N–.04 43.65E–.07 10–5 **¶602077769**
ISK IX 12 06 08 12.5 38.64N 43.55E 10–7 2.3L
DDA IX 12 06 08 13.4 38.67N 43.51E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.1km az=21.4.
ISK Event type ke.
DDA Event type ke.
ISC IX 12 09 05 39.8–1.2 37.02N–.06 37.39E–.04 23–9 17 0-1
ISK IX 12 09 05 37.6 36.92N 37.48E 13–0 2.4L **¶602077774**
DDA IX 12 09 05 38.8 37.11N 37.42E 7 2.8L
ISCJB IX 12 09 05 39.8–.91 36.99N–.06 37.39E–.05 26–6 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 12 11 06 26.6–.96 37.71N–.03 32.40E–.06 8–7 22 0-2
DDA IX 12 11 06 26.0 37.71N 32.44E 1 2.7L **¶602077782**
ISK IX 12 11 06 26.7 37.75N 32.36E 10–0 1.9L
ISCJB IX 12 11 06 27.0–.51 37.73N–.03 32.38E–.08 9–4 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 12 11 27 09.0–1.1 37.32N–.04 37.15E–.03 10–8 20 0-1
ISK IX 12 11 27 07.8 37.37N 37.16E 5–1 2.1L **¶602077783**
DDA IX 12 11 27 08.2 37.25N 37.11E 7 2.8L
ISCJB IX 12 11 27 09.4–.81 37.32N–.04 37.12E–.05 1–9 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 12 15 22 04.3–.97 38.48N–.03 28.46E–.03 5–9 31 0-2
ISK IX 12 15 22 03.7 38.47N 28.46E 5–0 2.0L **¶602077798**
IASPE IX 12 15 22 04.4–.98 38.49N–.03 28.46E–.03 5–9 2.0L
ISCJB IX 12 15 22 04.3–.45 38.46N–.03 28.48E–.03 7–4 2.0L
DDA IX 12 15 22 04.4 38.47N 28.50E 6 2.7L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=130.7. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=43.8.
DDA Event type ke.
ISC IX 12 17 10 37.1–1.2 38.13N–.03 38.33E–.03 15–12 19 0-2
ISK IX 12 17 10 36.7 38.12N 38.33E 9–0 2.1L **¶602077800**
DDA IX 12 17 10 36.9 38.10N 38.36E 7 2.7L
ISCJB IX 12 17 10 37.3–.59 38.14N–.04 38.36E–.04 5–7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 12 17 41 33.0–1.3 38.16N–.03 38.30E–.03 5–12 21 0-2
ISK IX 12 17 41 32.2 38.15N 38.27E 3–0 1.9L **¶602077804**
ISCJB IX 12 17 41 33.7–.65 38.13N–.03 38.32E–.04 5–6 1.9L
DDA IX 12 17 41 33.9 38.14N 38.35E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=145.6.
DDA Event type ke.
ISC IX 12 18 11 10.9–1.2 37.69N–.03 36.89E–.03 2–12 22 0-2
DDA IX 12 18 11 10.8 37.74N 36.88E 7 2.7L **¶602077806**
ISK IX 12 18 11 11.1 37.65N 36.87E 8–0 1.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 12 19 38 13.0–1.2 38.13N–.03 38.36E–.03 9–11 19 0-2
ISCJB IX 12 19 38 12.9–.63 38.14N–.04 38.37E–.04 2–8 **¶602077811**
DDA IX 12 19 38 12.9 38.14N 38.35E 11 2.6L
ISK IX 12 19 38 12.5 38.12N 38.34E 6–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=25.3.
DDA Event type ke.
ISK Event type ke.
ISC IX 12 22 35 27.4–1.5 38.75N–.04 42.45E–.03 10–13 21 0-2
DDA IX 12 22 35 27.4 38.72N 42.45E 7 2.5L **¶602077818**
ISK IX 12 22 35 28.0 38.77N 42.44E 8–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 12 23 29 36.5–.47 37.13N–.03 43.72E–.02 10 4.0b,3.1s 230 0-65
ISK IX 12 23 29 32.9 37.00N 43.64E 5–0 4.3L,3.1s **¶601775423**
DDA IX 12 23 29 34.8 37.17N 43.74E 7 4.3L,3.1s
NEIC IX 12 23 29 35.7–.00 37.09N 43.63E 9 4.3L,4.3b
ISCJB IX 12 23 29 35.5–.25 37.04N–.02 43.66E–.02 10 3.8b,3.1s
MOS IX 12 23 29 35.0–1.9 36.93N 43.70E 10 4.2b,3.1s
ISN IX 12 23 29 35.6–1.1 37.21N 43.41E 0–4 4.3L,3.1s
IDC IX 12 23 29 35.0–.74 37.15N 43.72E 0 3.9,3.8
GII IX 12 23 29 37.8–.00 37.09N 43.60E 2 3.9,3.8
AZER IX 12 23 29 40.3–.92 37.43N 43.60E 3 4.1L,2.6s
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=152.5.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=87.9.
ISN Error ellipse: s-maj=5.6km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=13.9km s-min=10.1km az=157.0.
GII Event type ke.
AZER Error ellipse: s-maj=8.1km s-min=6.1km az=116.0.
ISC IX 13 02 42 22.0–.44 37.04N–.03 43.77E–.03 10 4.3b 179 1-69
BJI IX 13 02 42 16.1 36.91N 43.20E 10 4.9b,4.7b **¶601712967**
ISN IX 13 02 42 18.4–1.1 36.92N 43.75E 0–5 4.2L,4.7b
ISK IX 13 02 42 18.9 36.94N 43.70E 5–0 4.4L,4.7b
NEIC IX 13 02 42 20.2–.00 36.96N 43.66E 9 4.5b,4.2L
ISCJB IX 13 02 42 20.4–.28 36.94N–.02 43.72E–.03 10 4.4b,4.3s
DDA IX 13 02 42 21.1 37.20N 43.74E 6 4.1L,4.3s
MOS IX 13 02 42 22.0–1.1 36.87N 43.72E 27 4.2b,4.3s
IDC IX 13 02 42 23.0–.83 37.28N 43.81E 0 4.0,3.9b
GII IX 13 02 42 27.6–.00 36.74N 43.60E 10 4.0,3.9b
ISC Event type fe.
ISN Error ellipse: s-maj=8.0km s-min=5.9km az=-1.0.
ISK Event type ke.
NEIC Event type fe. Felt at Erbil. After ISK.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=161.7.
DDA Event type ke.
MOS Error ellipse: s-maj=12.2km s-min=5.5km az=93.1.
IDC Error ellipse: s-maj=14.5km s-min=12.3km az=104.0.
GII Event type ke.
ISK IX 13 02 56 38.4 37.32N 43.59E 5–0 2.9L
ISN IX 13 02 56 40.0–.84 36.67N 43.81E 5–3 2.5L **¶602029753**
ISK Event type ke.
ISN Error ellipse: s-maj=6.3km s-min=4.2km az=-1.0.
ISC IX 13 03 35 34.3–1.9 37.21N–.08 43.78E–.04 0–13 28 0-4
DDA IX 13 03 35 33.1 37.20N 43.77E 5 3.1L **¶602029756**
ISN IX 13 03 35 35.0–.63 36.54N 43.95E 0–2 2.4L
ISK IX 13 03 35 36.9 37.37N 43.56E 5–0 2.8L
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=4.8km s-min=3.9km az=-1.0.
ISK Event type ke.
ISC IX 13 03 45 46.5–1.7 37.23N–.07 43.73E–.04 0–13 25 0-4
DDA IX 13 03 45 46.0 37.21N 43.79E 7 2.9L **¶602029758**
ISK IX 13 03 45 50.9 37.47N 43.41E 5–0 2.6L
ISN IX 13 03 45 55.1–.66 36.61N 43.60E 0–2 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=5.3km s-min=2.9km az=-1.0.
ISC IX 13 04 56 15.5–.94 37.83N–.02 30.69E–.02 6–8 94 0-11
DDA IX 13 04 56 14.9 37.83N 30.65E 15 3.7L **¶602077831**
ISK IX 13 04 56 14.9 37.85N 30.65E 6–0 3.5L
ISCJB IX 13 04 56 15.3–.42 37.88N–.02 30.62E–.02 5–3 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 13 08 35 28.4–.83 38.67N–.02 27.78E–.02 13–6 75 0-4
ATH IX 13 08 35 27.2 38.77N 27.77E 11–2 3.1L **¶602029770**
ISCJB IX 13 08 35 28.2–.43 38.66N–.02 27.78E–.02 3–4 3.1L
DDA IX 13 08 35 28.4 38.67N 27.80E 7 3.5L
ISK IX 13 08 35 28.1 38.69N 27.77E 5–0 4.3L
THE IX 13 08 35 29.1 38.63N 27.75E 9–1 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=287.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=164.2.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=54.0.
ISC IX 13 09 58 39.3–3.9 37.2N–.10 42.8E–.20 10 11 0-2
DDA IX 13 09 58 40.9 37.25N 42.77E 3 2.6L **¶602077836**
ISK IX 13 09 58 44.5 37.35N 42.44E 4–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 13 16 05 46.7–1.2 38.84N–.03 35.79E–.04 4–9 19 0-2
ISK IX 13 16 05 46.2 38.90N 35.81E 4–0 2.0L **¶602077851**
DDA IX 13 16 05 47.5 38.78N 35.72E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 14 06 46 13.5–.89 39.18N–.03 36.64E–.03 17–6 29 0-2
ISCJB IX 14 06 46 13.8–.48 39.16N–.03 36.62E–.03 6–5 **¶602077864**
ISK IX 14 06 46 13.3 39.16N 36.60E 7–1 2.2L
DDA IX 14 06 46 13.3 39.16N 36.64E 18 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=157.7.
ISK Event type ke.
DDA Event type ke.
ISC IX 14 10 42 07.1–1.3 37.47N–.07 41.73E–.04 17–12 15 1-2
ISK IX 14 10 42 05.9 37.58N 41.76E 16–0 2.2L **¶602077875**
DDA IX 14 10 42 06.6 37.40N 41.73E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 14 17 55 16.5–1.0 39.44N–.03 33.05E–.03 6–7 21 0-2
ISCJB IX 14 17 55 16.9–.51 39.44N–.03 33.06E–.04 2–5 **¶602077887**
DDA IX 14 17 55 16.8 39.44N 33.09E 4 2.6L
ISK IX 14 17 55 16.0 39.44N 33.04E 6–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=29.3.
DDA Event type ke.
ISK Event type ke.
ISC IX 15 02 43 30.7–.99 37.34N–.05 36.08E–.05 15 14 0-2
ISCJB IX 15 02 43 30.7–.67 37.33N–.04 36.08E–.05 15 **¶602077895**
DDA IX 15 02 43 30.1 37.34N 36.01E 7 2.6L
ISK IX 15 02 43 30.9 37.26N 36.21E 10–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=28.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 15 03 22 51.8–1.2 38.08N–.04 42.68E–.03 7–12 19 0-3
ISK IX 15 03 22 50.8 38.06N 42.66E 2–0 2.6L **¶602077899**
ISCJB IX 15 03 22 51.6–.60 38.07N–.03 42.70E–.04 6–6 2.6L
DDA IX 15 03 22 51.3 38.08N 42.71E 7 2.7L
ISC Event type ke.
ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=164.2.
DDA Event type ke.
ISC IX 15 09 02 16.8–1.1 39.22N–.06 36.61E–.04 12–8 19 0-2
ISK IX 15 09 02 16.9 39.33N 36.59E 5–0 2.1L **¶602077925**
ISCJB IX 15 09 02 17.8–.66 39.29N–.05 36.63E–.04 2–7 2.1L
DDA IX 15 09 02 17.1 39.21N 36.65E 12 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.1km az=14.1.
DDA Event type ke.
ISC IX 15 09 02 43.4–1.0 36.82N–.02 34.96E–.02 14–9 80 0-3
DDA IX 15 09 02 42.9 36.84N 34.95E 20 2.8L **¶602077926**
ISCJB IX 15 09 02 43.6–.43 36.81N–.02 34.93E–.02 11–4 2.8L
ISK IX 15 09 02 43.4 36.80N 34.90E 14–0 3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=160.8.
ISK Event type ke.
ISC IX 15 15 42 55.0–1.2 37.50N–.02 35.70E–.02 7–13 63 1-3
ISK IX 15 15 42 54.9 37.50N 35.74E 9–0 3.8L **¶602077953**
DDA IX 15 15 42 55.2 37.50N 35.67E 20 3.3L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 15 15 53 58.9–1.9 36.81N–.05 34.92E–.03 4–16 21 0-2
ISK IX 15 15 54 00.8 36.72N 34.90E 19–0 2.1L **¶602077954**
DDA IX 15 15 54 02.1 36.86N 34.86E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 16 07 54 16.3–.57 37.45N–.02 35.70E–.02 15–3 4.4b,3.6s 312 1-94
IDC IX 16 07 54 13.3–.57 37.38N 35.65E 0 4.1,4.0 **¶601717952**
DDA IX 16 07 54 14.8 37.51N 35.66E 24 4.7L,4.0
ISK IX 16 07 54 15.5 37.45N 35.75E 19–0 4.7L,4.0
NEIC IX 16 07 54 15.0–.00 37.44N 35.77E 18 4.7L,4.7L
BJI IX 16 07 54 16.5 37.40N 35.80E 19 5.0b,4.7b
NIC IX 16 07 54 17.7–.30 37.35N 35.63E 17 4.9b,4.7L
DSN IX 16 07 54 20.4–.34 37.31N 36.09E 15 4.9b,4.7L
ISC Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=9.7km az=9.0.
DDA Event type ke.
ISK Event type ke.
NEIC Event type se. After ISK.
DSN Error ellipse: s-maj=6.5km s-min=4.8km az=32.0.
ISC IX 16 09 56 35.3–.99 37.49N–.02 35.72E–.02 16–9 70 1-3
DDA IX 16 09 56 34.9 37.49N 35.67E 20 3.4 **¶602077992**
ISK IX 16 09 56 35.9 37.48N 35.77E 17–0 3.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 16 10 35 23.2–.86 39.12N–.02 29.13E–.02 13–7 115 0-9
DDA IX 16 10 35 23.0 39.11N 29.13E 18 3.6L **¶602077996**
ISK IX 16 10 35 22.9 39.13N 29.13E 7–0 3.7L
ISCJB IX 16 10 35 23.3–.36 39.13N–.01 29.13E–.02 7–3 3.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 16 10 54 41.4–1.4 37.49N–.03 35.72E–.04 6–12 30 1-2
DDA IX 16 10 54 41.5 37.41N 35.74E 7 2.6 **¶602077999**
ISK IX 16 10 54 41.7 37.54N 35.67E 7–0 2.3L
ISCJB IX 16 10 54 42.5–.66 37.51N–.02 35.72E–.04 12–6 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 16 15 54 06.6–1.2 38.89N–.05 43.71E–.05 13–7 19 0-1
DDA IX 16 15 54 06.8 38.92N 43.72E 7 2.8L **¶602078014**
ISK IX 16 15 54 06.6 38.92N 43.71E 8–0 2.2L
ISCJB IX 16 15 54 07.5–.77 38.94N–.04 43.73E–.05 11–5 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 17 05 25 45.4–1.1 37.51N–.02 35.71E–.03 8–11 29 1-2
ISK IX 17 05 25 44.2 37.49N 35.67E 3–0 2.4L **¶602078043**
ISCJB IX 17 05 25 45.3–.47 37.50N–.03 35.66E–.03 7–5 2.4L
DDA IX 17 05 25 46.4 37.53N 35.79E 7 3.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=31.6.
DDA Event type ke.
ISC IX 17 05 27 45.3–1.1 37.46N–.03 35.69E–.03 10–10 19 1-2
DDA IX 17 05 27 45.8 37.51N 35.69E 7 2.5L **¶602078044**
ISK IX 17 05 27 46.6 37.33N 35.78E 15–1 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 17 10 53 06.1–1.2 37.50N–.03 35.61E–.04 4–14 21 1-2
ISCJB IX 17 10 53 05.7–.56 37.50N–.03 35.67E–.04 7–8 **¶602078054**
DDA IX 17 10 53 05.9 37.53N 35.66E 7 2.6L
ISK IX 17 10 53 06.9 37.41N 35.46E 9–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=36.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 17 14 24 08.3–.93 38.60N–.03 37.49E–.03 7–6 18 0-2
ISK IX 17 14 24 07.9 38.52N 37.48E 7–0 2.0L **¶602078056**
ISCJB IX 17 14 24 08.6–.49 38.62N–.03 37.48E–.05 6–5 2.0L
DDA IX 17 14 24 08.4 38.62N 37.46E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=142.6.
DDA Event type ke.
ISC IX 17 16 24 11.2–1.0 39.04N–.03 29.93E–.02 11–10 32 0-2
DDA IX 17 16 24 10.7 39.04N 29.95E 7 2.6L **¶602078065**
ISK IX 17 16 24 10.9 39.05N 29.91E 3–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 17 19 16 51.4–1.2 37.51N–.03 35.71E–.03 10–13 29 1-2
ISCJB IX 17 19 16 51.5–.50 37.51N–.03 35.71E–.03 7–6 **¶602078071**
DDA IX 17 19 16 51.5 37.52N 35.67E 7 2.8L
ISK IX 17 19 16 51.3 37.51N 35.74E 8–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=10.0.
DDA Event type ke.
ISK Event type ke.
ISC IX 17 23 44 51.4–2.4 37.31N–.09 43.59E–.07 1–12 30 1-5
ISN IX 17 23 44 45.1–.73 37.18N 43.58E 0–2 3.1L **¶602030161**
DDA IX 17 23 44 47.5 37.17N 43.75E 2 3.1L
ISK IX 17 23 44 51.4 37.36N 43.56E 5–0 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=4.3km s-min=4.5km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC IX 18 03 01 21.9–1.4 40.24N–.04 40.99E–.03 9–12 26 1-2
ISCJB IX 18 03 01 21.9–.72 40.22N–.04 40.97E–.03 6–6 **¶602078083**
DDA IX 18 03 01 22.0 40.26N 40.98E 7 2.5L
ISK IX 18 03 01 21.7 40.22N 40.97E 11–0 2.3L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=15.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 18 08 05 56.6–1.1 37.17N–.03 36.87E–.02 7–9 41 0-3
ISK IX 18 08 05 55.8 37.19N 36.87E 12–0 3.0L **¶602078092**
ISCJB IX 18 08 05 56.3–.52 37.17N–.02 36.85E–.03 4–4 3.0L
DDA IX 18 08 06 05.0 37.16N 36.87E 15 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=4.5.
DDA Event type ke.
ISC IX 18 10 08 17.1–1.1 38.18N–.03 38.22E–.03 12–10 22 0-2
ISK IX 18 10 08 16.4 38.16N 38.22E 20–0 2.0L **¶602078102**
DDA IX 18 10 08 17.6 38.17N 38.24E 7 2.7L
ISCJB IX 18 10 08 18.1–.58 38.23N–.04 38.29E–.04 15–11 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 18 13 26 02.8–1.7 40.43N–.05 35.04E–.08 11–11 10 0-1
ISCJB IX 18 13 26 02.1–1.6 40.45N–.05 35.1E–.10 14–8 **¶603000405**
DDA IX 18 13 26 03.6 40.40N 34.96E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.3km az=156.2.
DDA Event type ke.
ISC IX 18 17 26 01.5–2.4 41.4N–.10 39.12E–.06 9–14 12 1-1
DDA IX 18 17 26 01.1 41.36N 39.08E 5 2.8L **¶603000412**
ISC Event type ke.
DDA Event type ke.
ISC IX 19 03 16 36.4–.99 37.33N–.04 37.14E–.04 9–9 18 0-1
ISK IX 19 03 16 35.8 37.33N 37.13E 8–0 1.4L **¶602078147**
ISCJB IX 19 03 16 36.6–.55 37.33N–.04 37.12E–.06 7–8 1.4L
DDA IX 19 03 16 36.7 37.34N 37.12E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.5km az=144.0.
DDA Event type ke.
ISC IX 19 03 19 27.3–1.0 37.34N–.03 37.13E–.04 8–10 16 0-1
ISK IX 19 03 19 26.7 37.34N 37.13E 5–0 1.4L **¶602078148**
ISCJB IX 19 03 19 27.6–.58 37.34N–.04 37.11E–.06 6–9 1.4L
DDA IX 19 03 19 27.6 37.36N 37.10E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.5km az=146.4.
DDA Event type ke.
ISC IX 19 04 45 57.6–1.2 37.85N–.02 35.11E–.02 3–11 36 0-2
DDA IX 19 04 45 57.6 37.85N 35.12E 7 2.6L **¶602078152**
ISK IX 19 04 45 57.8 37.85N 35.10E 5–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 05 58 41.8–.93 37.31N–.02 37.16E–.02 9–7 63 0-4
DDA IX 19 05 58 41.0 37.29N 37.12E 9 3.7L **¶602078153**
ISCJB IX 19 05 58 41.7–.54 37.31N–.02 37.13E–.02 6–4 3.7L
ISK IX 19 05 58 41.2 37.33N 37.10E 5–0 3.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=1.4.
ISK Event type ke.
ISC IX 19 06 03 58.1–.94 37.33N–.04 37.16E–.03 13–7 23 0-1
ISK IX 19 06 03 56.5 37.42N 37.26E 10–1 2.1L **¶602078154**
DDA IX 19 06 03 57.8 37.28N 37.14E 7 2.5L
ISCJB IX 19 06 03 58.9–.55 37.31N–.04 37.12E–.04 7–6 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 19 07 02 07.3–1.1 37.35N–.04 37.17E–.04 8–10 17 0-1
ISK IX 19 07 02 07.1 37.35N 37.15E 5–2 2.2L **¶602078156**
DDA IX 19 07 02 07.4 37.32N 37.14E 7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 19 07 19 21.2–1.1 37.31N–.02 37.14E–.02 2–10 78 0-4
ISCJB IX 19 07 19 20.8–.57 37.29N–.02 37.13E–.02 2–4 **¶602078157**
DDA IX 19 07 19 20.8 37.32N 37.12E 26 4.0L
ISK IX 19 07 19 20.7 37.32N 37.12E 6–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=172.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 07 28 34.8–.97 37.33N–.03 37.15E–.03 9–8 28 0-2
ISCJB IX 19 07 28 34.8–.62 37.33N–.03 37.15E–.03 2–6 **¶602078158**
DDA IX 19 07 28 34.6 37.29N 37.10E 7 3.1L
ISK IX 19 07 28 34.1 37.35N 37.17E 5–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=31.6.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 07 36 02.2–.95 37.33N–.03 37.13E–.03 10–8 24 0-2
ISK IX 19 07 36 01.8 37.34N 37.13E 8–0 2.1L **¶602078159**
ISCJB IX 19 07 36 02.4–.55 37.31N–.03 37.10E–.04 7–6 2.1L
DDA IX 19 07 36 02.6 37.31N 37.18E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=40.4.
DDA Event type ke.
ISC IX 19 08 14 18.2–.98 37.31N–.03 37.12E–.03 8–8 24 0-2
ISK IX 19 08 14 17.7 37.30N 37.08E 5–0 2.2L **¶602078160**
DDA IX 19 08 14 17.7 37.28N 37.12E 7 3.0L
ISCJB IX 19 08 14 18.3–.65 37.30N–.04 37.12E–.05 4–8 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 19 08 14 38.9–.97 37.29N–.03 37.04E–.03 11–7 24 0-2
ISK IX 19 08 14 37.9 37.26N 36.97E 6–0 2.1L **¶602078163**
ISCJB IX 19 08 14 39.5–.62 37.31N–.04 37.11E–.05 6–7 2.1L
DDA IX 19 08 14 40.1 37.35N 37.10E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.2km az=43.9.
DDA Event type ke.
ISC IX 19 08 25 31.1–.96 37.32N–.04 37.13E–.03 10–8 19 0-1
ISK IX 19 08 25 30.6 37.30N 37.07E 6–1 1.8L **¶602078164**
ISCJB IX 19 08 25 31.2–.61 37.32N–.04 37.14E–.05 5–8 1.8L
DDA IX 19 08 25 31.2 37.44N 37.16E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=37.2.
DDA Event type ke.
ISC IX 19 08 33 59.4–.99 37.33N–.03 37.12E–.03 8–8 24 0-2
ISK IX 19 08 33 58.9 37.33N 37.11E 6–0 2.0L **¶602078165**
ISCJB IX 19 08 33 59.5–.63 37.31N–.04 37.12E–.05 4–8 2.0L
DDA IX 19 08 33 59.6 37.31N 37.13E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.9km az=41.4.
DDA Event type ke.
DDA IX 19 09 17 13.7 37.34N 37.15E 7 3.8L
¶601725193

DDA Event type ke.
ISC IX 19 09 17 48.4–.55 37.30N–.02 37.10E–.02 10–3 4.9b,4.2s 733 0-149
HLW IX 19 09 17 41.5 37.09N 38.56E 10–40 4.9L,4.8 ¶601832999
ISCJB IX 19 09 17 47.0–.37 37.29N–.01 37.12E–.01 12–2 4.8b,4.2s
NEIC IX 19 09 17 46.8–.00 37.31N 37.10E 7 5.1L,5.0L
MOS IX 19 09 17 46.3–1.2 37.29N 37.11E 9 5.0b,4.2s
ISK IX 19 09 17 46.6 37.32N 37.12E 8–0 5.1L,4.2s
IDC IX 19 09 17 46.3–.48 37.29N 37.10E 0 4.5,4.4
DDA IX 19 09 17 46.2 37.28N 37.14E 22 5.1L,4.4
PDG IX 19 09 17 47.2–.49 37.31N 37.15E 11–1 5.0L,4.4
GCMT IX 19 09 17 47.8–.30 37.28N–.02 37.12E–.02 21–1 5.0W,4.4
GII IX 19 09 17 49.0–.00 37.28N 37.14E 21 5.0W,4.4
DSN IX 19 09 17 53.1–.22 37.30N 37.81E 10 4.9b,4.4
NIC IX 19 09 17 57.5–.30 36.18N 36.94E 12 4.7b,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=172.0.
NEIC Event type fe. Felt at Gaziantep and Osmaniye. After ISK.
MOS Error ellipse: s-maj=4.3km s-min=2.6km az=121.4.
ISK Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=8.9km az=174.0.
DDA Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.2km az=0.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c58; s107,c168;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.16 $M_{\theta\theta}$-2.74±.12; $M_{\phi\phi}$3.43±.14; $M_{r\theta}$2.88±.37; $M_{\theta\phi}$-1.16±.11; $M_{\phi r}$-1.13±.24; Best double couple: NP1:ϕ_s307.00000°,δ82.00000° ,λ-138.00000°. NP2:ϕ_s210.00000°,δ48.00000°,λ-11.00000°. Principal axes:
T 4.2980,Plg22.0000°,Azm71.0000°; N 0.4870,Plg47.0000°,Azm316.0000° ; P -4.7830,Plg35.0000°,Azm177.0000° $M_0$4.54000×10^{16}
GII Event type ke.
DSN Error ellipse: s-maj=3.8km s-min=2.9km az=78.0.
ISC IX 19 09 27 23.9–.90 37.31N–.02 37.14E–.02 13–7 47 0-2
ISK IX 19 09 27 23.7 37.34N 37.13E 9–0 3.5L ¶602078169
DDA IX 19 09 27 24.4 37.31N 37.15E 28 3.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 19 09 30 45.5–1.0 37.32N–.03 37.14E–.03 8–9 25 0-2
DDA IX 19 09 30 44.5 37.24N 37.10E 7 2.7L ¶602078170
ISCJB IX 19 09 30 45.5–.69 37.32N–.03 37.11E–.03 1–7 2.7L
ISK IX 19 09 30 45.5 37.32N 37.17E 5–1 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=26.7.
ISK Event type ke.
ISC IX 19 10 30 59.8–1.0 37.33N–.02 37.17E–.02 5–9 44 0-3
ISCJB IX 19 10 30 59.7–.61 37.30N–.02 37.15E–.03 1–5 ¶602078172
DDA IX 19 10 30 59.7 37.31N 37.15E 25 3.7L
ISK IX 19 10 30 59.1 37.34N 37.14E 5–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=24.3.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 11 38 29.0–1.2 37.33N–.03 37.12E–.04 7–10 21 0-2
ISCJB IX 19 11 38 28.9–.78 37.28N–.03 37.11E–.04 3–7 ¶602078180
ISK IX 19 11 38 28.4 37.32N 37.11E 6–0 2.5L
DDA IX 19 11 38 31.0 37.42N 37.04E 7 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=138.4.
ISK Event type ke.
DDA Event type ke.
ISC IX 19 11 51 10.7–.96 37.32N–.02 37.13E–.02 8–8 51 0-3
ISK IX 19 11 51 09.9 37.33N 37.13E 7–0 3.2L ¶602078181
DDA IX 19 11 51 09.9 37.38N 37.14E 7 3.7L
ISCJB IX 19 11 51 10.6–.48 37.33N–.02 37.12E–.03 8–4 3.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 19 12 39 17.4–.93 37.32N–.03 37.15E–.03 11–8 24 0-2
ISCJB IX 19 12 39 17.6–.54 37.32N–.03 37.12E–.04 7–6 ¶602078182
DDA IX 19 12 39 17.4 37.34N 37.14E 7 2.9L
ISK IX 19 12 39 17.0 37.33N 37.13E 6–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=140.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 12 44 36.4–.96 37.31N–.03 37.12E–.03 9–8 26 0-2
ISK IX 19 12 44 35.9 37.33N 37.11E 5–0 2.7L ¶602078184
ISCJB IX 19 12 44 36.5–.57 37.32N–.03 37.12E–.04 5–6 2.7L
DDA IX 19 12 44 36.5 37.34N 37.10E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=42.4.
DDA Event type ke.
ISC IX 19 13 22 39.4–.93 37.33N–.02 37.16E–.02 9–8 54 0-3
ISK IX 19 13 22 38.8 37.34N 37.16E 8–0 3.2L ¶602078185
ISCJB IX 19 13 22 39.0–.59 37.30N–.02 37.14E–.02 0–5 3.2L
DDA IX 19 13 22 39.5 37.32N 37.16E 21 3.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=18.5.
DDA Event type ke.
ISC IX 19 13 35 48.5–1.0 37.32N–.03 37.12E–.03 7–9 29 0-2
ISCJB IX 19 13 35 48.6–.59 37.30N–.03 37.10E–.03 4–5 ¶602078187
DDA IX 19 13 35 48.3 37.31N 37.12E 7 3.0L
ISK IX 19 13 35 48.1 37.32N 37.10E 5–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=41.1.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 13 49 06.6–.93 37.33N–.04 37.14E–.03 12–8 20 0-2
DDA IX 19 13 49 05.9 37.29N 37.13E 7 3.1L ¶602078188
ISCJB IX 19 13 49 06.8–.62 37.32N–.04 37.12E–.04 6–6 3.1L
ISK IX 19 13 49 06.3 37.34N 37.14E 6–0 2.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.4km az=36.8.
ISK Event type ke.
ISC IX 19 13 53 44.0–.95 37.33N–.03 37.11E–.03 10–8 24 0-2
ISK IX 19 13 53 43.6 37.34N 37.14E 8–0 2.8L ¶602078190
ISCJB IX 19 13 53 44.3–.64 37.31N–.03 37.12E–.04 4–7 2.8L
DDA IX 19 13 54 40.7 37.30N 37.09E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=43.0.
DDA Event type ke.
ISC IX 19 14 05 22.5–.99 37.35N–.03 37.12E–.03 10–8 22 0-2
ISK IX 19 14 05 21.8 37.36N 37.14E 9–0 2.8L ¶602078191
ISCJB IX 19 14 05 22.6–.57 37.34N–.04 37.13E–.04 9–5 2.8L
DDA IX 19 14 05 22.6 37.32N 37.12E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=34.7.
DDA Event type ke.
ISC IX 19 16 41 45.5–1.0 37.30N–.04 37.11E–.04 8–9 18 0-2
ISK IX 19 16 41 44.7 37.31N 37.11E 7–0 1.9L ¶602078197
ISCJB IX 19 16 41 45.6–.58 37.29N–.04 37.08E–.05 7–6 1.9L
DDA IX 19 16 41 46.0 37.31N 37.11E 7 2.8L
ISC Event type ke.
ISK Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=141.7.
DDA Event type ke.
ISC IX 19 17 36 54.7–.91 37.34N–.03 37.13E–.03 11 21 0-2
DDA IX 19 17 36 54.4 37.39N 37.13E 7 2.9L ¶602078200
ISK IX 19 17 36 54.0 37.33N 37.12E 5–0 2.8L
ISCJB IX 19 17 36 55.2–.46 37.34N–.04 37.13E–.04 11 2.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 19 18 07 38.3–1.0 37.30N–.03 37.10E–.03 8–9 21 0-2
ISK IX 19 18 07 37.7 37.30N 37.09E 5–0 2.6L ¶602078201
ISCJB IX 19 18 07 38.4–.57 37.28N–.04 37.08E–.05 5–6 2.6L
DDA IX 19 18 07 38.5 37.33N 37.12E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=137.8.
DDA Event type ke.
ISC IX 19 18 49 58.8–1.1 37.29N–.05 37.10E–.05 14–8 12 0-1
ISK IX 19 18 49 58.5 37.29N 37.06E 7–0 1.9L ¶602078207
ISCJB IX 19 18 49 59.3–.62 37.30N–.05 37.07E–.07 9–7 1.9L
DDA IX 19 18 49 59.7 37.34N 37.12E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.9km az=140.5.
DDA Event type ke.
ISC IX 19 18 52 34.4–.88 37.53N–.03 35.61E–.03 12 23 1-2
ISCJB IX 19 18 52 34.4–.42 37.53N–.03 35.62E–.04 12 ¶602078208
DDA IX 19 18 52 34.1 37.53N 35.57E 7 2.7L
ISK IX 19 18 52 34.3 37.48N 35.65E 10–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=172.7.
DDA Event type ke.
ISK Event type ke.
ISC IX 19 18 58 60.0–1.0 37.34N–.04 37.15E–.04 8–9 17 0-2
ISK IX 19 18 58 59.3 37.34N 37.14E 7–0 2.6L ¶602078210
ISCJB IX 19 18 59 00.1–.65 37.33N–.04 37.13E–.05 5–8 2.6L
DDA IX 19 18 59 00.1 37.34N 37.15E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=42.7.
DDA Event type ke.
ISC IX 19 19 12 05.4–.95 37.30N–.03 37.07E–.03 11–8 20 0-2
ISK IX 19 19 12 04.7 37.29N 37.06E 11–0 2.6L ¶602078212
ISCJB IX 19 19 12 05.6–.55 37.29N–.03 37.08E–.05 10–5 2.6L
DDA IX 19 19 12 05.8 37.35N 37.09E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=151.1.
DDA Event type ke.
ISC IX 19 19 53 09.7–1.0 37.33N–.03 37.13E–.04 8–9 19 0-2
ISK IX 19 19 53 08.9 37.34N 37.14E 6–0 2.2L ¶602078213
ISCJB IX 19 19 53 09.8–.64 37.31N–.04 37.13E–.05 4–7 2.2L
DDA IX 19 19 53 10.1 37.32N 37.12E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.1km az=142.6.
DDA Event type ke.
ISC IX 19 20 23 00.4–1.0 37.33N–.06 37.13E–.07 8–9 15 0-2
ISK IX 19 20 22 59.6 37.34N 37.14E 8–0 2.0L ¶602078215
ISCJB IX 19 20 23 00.3–.86 37.35N–.05 37.16E–.06 2–10 2.0L
DDA IX 19 20 23 00.7 37.34N 37.16E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.9km az=135.2.
DDA Event type ke.
ISC IX 19 20 38 10.8–1.1 37.31N–.05 37.11E–.04 10–9 14 0-2
ISCJB IX 19 20 38 10.9–.74 37.30N–.05 37.12E–.06 6–8 ¶602078216
ISK IX 19 20 38 10.3 37.30N 37.08E 8–0 1.7L
DDA IX 19 20 38 10.8 37.34N 37.17E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.4km az=42.7.
ISK Event type ke.
DDA Event type ke.
ISC IX 19 21 24 53.6–1.0 37.30N–.03 37.09E–.03 8–9 19 0-2
ISK IX 19 21 24 52.9 37.30N 37.08E 7–0 2.1L ¶602078218
ISCJB IX 19 21 24 53.7–.56 37.30N–.04 37.08E–.05 8–5 2.1L
DDA IX 19 21 24 53.8 37.32N 37.09E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.2km az=141.9.
DDA Event type ke.
ISC IX 19 22 12 12.7–.94 37.31N–.02 37.14E–.02 13–9 47 0-3
DDA IX 19 22 12 12.9 37.31N 37.13E 26 3.9L ¶602078226
ISK IX 19 22 12 12.2 37.34N 37.17E 11–0 3.7L
ISCJB IX 19 22 12 13.2–.50 37.31N–.03 37.13E–.03 11–4 3.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 19 22 50 40.2–1.0 37.33N–.04 37.14E–.04 10–9 17 0-2
ISK IX 19 22 50 39.5 37.34N 37.14E 8–0 2.7L ¶602078231
ISCJB IX 19 22 50 40.3–.62 37.33N–.04 37.14E–.06 7–6 2.7L
DDA IX 19 22 50 40.5 37.33N 37.13E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.2km az=141.2.
DDA Event type ke.
ISC IX 19 22 56 39.4–1.0 37.33N–.03 37.16E–.04 9–9 21 0-2
ISK IX 19 22 56 38.7 37.36N 37.18E 6–0 2.3L ¶602078232
ISCJB IX 19 22 56 39.6–.69 37.33N–.04 37.15E–.05 3–7 2.3L
DDA IX 19 22 56 39.1 37.27N 37.13E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=44.6.
DDA Event type ke.
ISC IX 19 23 15 09.2–.68 37.31N–.02 37.09E–.02 12–4 3.8b 155 0-51
NEIC IX 19 23 15 06.9–.00 37.31N 37.14E 9 4.1L ¶601731976
IDC IX 19 23 15 07.9–.83 37.38N 37.17E 0 3.8b,3.8
DDA IX 19 23 15 07.3 37.29N 37.15E 25 4.3L,3.8
ISK IX 19 23 15 07.1 37.33N 37.12E 10–0 4.1L,3.8
NIC IX 19 23 15 09.8–.30 37.17N 37.59E 25 4.5b,4.1L
GII IX 19 23 15 18.7–.00 36.92N 36.28E 25 4.5b,4.1L
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=12.4km s-min=10.8km az=71.0.
DDA Event type ke.
ISK Event type ke.
GII Event type ke.
ISC IX 19 23 19 39.3–.97 37.32N–.03 37.14E–.04 10–8 22 0-2
DDA IX 19 23 19 38.6 37.22N 37.08E 7 3.1L ¶602078233
ISK IX 19 23 19 38.8 37.35N 37.18E 5–0 2.7L
ISCJB IX 19 23 19 39.5–.68 37.34N–.04 37.16E–.05 4–7 2.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 19 23 24 02.9–1.1 37.35N–.04 37.16E–.04 7–10 21 0-2
DDA IX 19 23 24 02.5 37.30N 37.12E 7 3.2L ¶602078235
ISK IX 19 23 24 02.3 37.36N 37.17E 6–0 2.7L
ISCJB IX 19 23 24 03.1–.67 37.34N–.03 37.13E–.05 4–7 2.7L

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 19 23 29 20.2–.97 37.31N–.03 37.13E–.03 11–9 19 0-2
ISK IX 19 23 29 19.5 37.31N 37.10E 3–0 2.6L **¶602078236**
ISCJB IX 19 23 29 20.5–.56 37.31N–.04 37.12E–.05 8–6 2.6L
DDA IX 19 23 29 20.2 37.32N 37.14E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=138.3.
DDA Event type ke.
ISC IX 20 00 29 52.7–1.0 37.30N–.03 37.09E–.03 7–9 20 0-2
ISK IX 20 00 29 51.7 37.28N 37.05E 4–0 1.8L **¶602078241**
ISCJB IX 20 00 29 52.6–.58 37.27N–.03 37.06E–.04 7–5 1.8L
DDA IX 20 00 29 53.7 37.40N 37.08E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=142.2.
DDA Event type ke.
ISC IX 20 01 10 29.4–1.0 37.33N–.02 37.12E–.02 5–8 94 0-50
ISK IX 20 01 10 28.5 37.32N 37.11E 10–0 3.9L **¶601738110**
ISCJB IX 20 01 10 29.1–.46 37.31N–.02 37.13E–.02 8–3 3.6b,3.5s
IDC IX 20 01 10 29.3–1.4 37.26N 36.84E 0 3.5,3.4
DDA IX 20 01 11 11.8 37.32N 37.14E 13 4.0L,3.4
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=164.2.
IDC Error ellipse: s-maj=22.6km s-min=14.8km az=83.0.
DDA Event type ke.
ISC IX 20 02 04 53.5–1.0 37.32N–.03 37.14E–.03 9–8 19 0-2
DDA IX 20 02 04 53.0 37.28N 37.13E 6 2.5L **¶602078250**
ISCJB IX 20 02 04 53.8–.64 37.32N–.03 37.13E–.04 4–6 2.5L
ISK IX 20 02 04 53.2 37.33N 37.15E 8–1 1.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=44.2.
ISK Event type ke.
ISC IX 20 02 21 58.4–.99 37.29N–.03 37.11E–.02 10–8 42 0-3
ISK IX 20 02 21 57.6 37.33N 37.13E 3–0 2.7L **¶602078253**
DDA IX 20 02 21 58.3 37.25N 37.09E 19 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 20 02 27 32.8–1.0 37.32N–.02 37.16E–.03 6–9 35 0-2
ISK IX 20 02 27 32.1 37.34N 37.14E 6–0 2.4L **¶602078254**
ISCJB IX 20 02 27 33.1–.56 37.32N–.02 37.14E–.03 5–5 2.4L
DDA IX 20 02 27 33.4 37.33N 37.19E 7 2.9
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=138.4.
DDA Event type ke.
ISC IX 20 02 38 39.5–1.1 37.31N–.03 37.13E–.03 8–9 29 0-2
ISK IX 20 02 38 38.7 37.32N 37.07E 5–0 1.9L **¶602078255**
DDA IX 20 02 38 40.0 37.29N 37.14E 14 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 20 03 37 08.2–.94 37.33N–.03 37.14E–.03 12–7 20 0-2
ISK IX 20 03 37 07.9 37.31N 37.09E 9–0 1.8L **¶602078261**
ISCJB IX 20 03 37 08.7–.58 37.30N–.03 37.10E–.04 7–5 1.8L
DDA IX 20 03 37 08.6 37.32N 37.16E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=41.5.
DDA Event type ke.
ISC IX 20 05 27 42.0–1.1 38.45N–.03 32.44E–.03 9–10 24 0-3
ISCJB IX 20 05 27 42.0–.56 38.47N–.03 32.45E–.04 6–6 **¶602078269**
ISK IX 20 05 27 41.5 38.46N 32.40E 6–0 2.1L
DDA IX 20 05 27 42.1 38.45N 32.42E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=23.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 20 05 43 35.4–.93 37.32N–.03 37.10E–.03 10–7 30 0-2
ISK IX 20 05 43 34.9 37.32N 37.09E 5–0 2.2L **¶602078270**
ISCJB IX 20 05 43 35.5–.55 37.31N–.03 37.11E–.03 6–5 2.2L
DDA IX 20 05 43 35.3 37.33N 37.10E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=36.3.
DDA Event type ke.
ISC IX 20 06 55 33.2–1.0 37.33N–.03 37.15E–.03 8–9 21 0-2
ISK IX 20 06 55 32.9 37.34N 37.14E 6–0 1.8L **¶602078273**
ISCJB IX 20 06 55 33.2–.61 37.32N–.03 37.13E–.04 4–6 1.8L
DDA IX 20 06 56 20.1 37.29N 37.14E 13 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=144.5.
DDA Event type ke.
ISC IX 20 07 32 41.0–1.1 37.33N–.03 37.16E–.03 7–10 22 0-2
ISCJB IX 20 07 32 40.9–.68 37.30N–.03 37.14E–.03 1–6 **¶602078274**
ISK IX 20 07 32 40.8 37.33N 37.13E 6–0 2.1L
DDA IX 20 07 32 41.1 37.33N 37.18E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=24.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 20 07 43 41.2–.98 37.31N–.03 37.13E–.03 9–8 26 0-2
ISK IX 20 07 43 40.5 37.31N 37.11E 5–0 2.2L **¶602078275**
ISCJB IX 20 07 43 41.5–.58 37.31N–.03 37.12E–.03 6–5 2.2L
DDA IX 20 07 43 41.1 37.28N 37.15E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=33.8.
DDA Event type ke.
ISC IX 20 08 01 18.8–.95 37.27N–.03 37.05E–.03 10–7 22 0-2
ISK IX 20 08 01 17.4 37.21N 36.95E 8–0 2.0L **¶602078276**
ISCJB IX 20 08 01 19.4–.65 37.33N–.04 37.15E–.04 0–8 2.0L
DDA IX 20 08 01 19.2 37.32N 37.14E 6 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.0km az=33.9.
DDA Event type ke.
ISC IX 20 09 35 10.6–.95 37.31N–.03 37.11E–.03 10–7 25 0-2
ISCJB IX 20 09 35 10.8–.59 37.31N–.03 37.10E–.03 4–5 **¶602078278**
DDA IX 20 09 35 10.2 37.29N 37.12E 7 2.8L
ISK IX 20 09 35 10.3 37.32N 37.10E 6–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=148.1.
DDA Event type ke.
ISK Event type ke.
ISC IX 20 15 03 47.8–1.2 37.90N–.03 39.01E–.03 6–11 22 0-2
DDA IX 20 15 03 47.7 37.94N 39.01E 7 2.6L **¶602078292**
ISK IX 20 15 03 47.1 37.88N 39.01E 4–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 20 15 09 35.1–1.1 37.32N–.04 37.12E–.05 9–10 13 0-1
ISK IX 20 15 09 34.4 37.33N 37.12E 9–0 1.8L **¶602078296**
ISCJB IX 20 15 09 35.3–.70 37.32N–.04 37.12E–.06 6–10 1.8L
DDA IX 20 15 09 35.4 37.32N 37.12E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.6km az=139.6.
DDA Event type ke.
ISC IX 20 15 51 19.1–1.8 37.3N–.10 42.73E–.04 4–12 19 0-3
ISN IX 20 15 51 19.1–.30 37.13N 42.66E 0 2.5L **¶602030551**
ISK IX 20 15 51 19.3 37.31N 42.53E 5–0 2.5L
DDA IX 20 15 51 20.9 37.44N 42.67E 7 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.7km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 20 22 17 37.8–.97 37.36N–.02 37.15E–.02 8–8 56 0-3
ISCJB IX 20 22 17 37.7–.56 37.32N–.02 37.14E–.02 0–4 **¶602078314**
DDA IX 20 22 17 37.6 37.36N 37.13E 7 3.6L
ISK IX 20 22 17 37.3 37.35N 37.16E 8–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=172.3.
DDA Event type ke.
ISK Event type ke.
ISC IX 20 23 52 59.0–1.2 37.17N–.02 35.73E–.03 9–11 33 0-2
DDA IX 20 23 52 59.0 37.15N 35.69E 7 3.0L **¶602078320**
ISK IX 20 23 52 58.8 37.19N 35.77E 12–0 2.2L
ISCJB IX 20 23 52 59.3–.57 37.15N–.03 35.73E–.03 5–6 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 21 04 25 26.0–1.3 37.51N–.03 35.73E–.03 4–12 27 0-3
ISCJB IX 21 04 25 26.4–.53 37.52N–.03 35.73E–.04 7–6 **¶602078333**
DDA IX 21 04 25 26.3 37.52N 35.68E 7 2.7L
ISK IX 21 04 25 26.0 37.52N 35.79E 9–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=42.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 21 04 52 37.1–1.1 37.32N–.03 37.14E–.04 9–9 20 0-2
ISK IX 21 04 52 36.9 37.35N 37.13E 5–0 1.9L **¶602078334**
DDA IX 21 04 52 36.9 37.30N 37.16E 7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 21 05 37 51.5–1.1 38.43N–.03 38.31E–.03 10–10 29 0-2
ISK IX 21 05 37 50.5 38.44N 38.30E 9–0 2.4L **¶602078335**
ISCJB IX 21 05 37 51.1–.56 38.44N–.03 38.31E–.03 1–6 2.4L
DDA IX 21 05 37 51.7 38.42N 38.29E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=177.2.
DDA Event type ke.
ISC IX 21 07 43 28.6–.97 37.32N–.03 37.13E–.03 9–8 27 0-2
ISCJB IX 21 07 43 28.9–.57 37.31N–.02 37.12E–.03 6–5 **¶602078339**
DDA IX 21 07 43 28.5 37.32N 37.12E 7 2.6L
ISK IX 21 07 43 28.2 37.33N 37.13E 7–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=137.7.
DDA Event type ke.
ISK Event type ke.
ISC IX 21 07 51 24.7–1.1 37.33N–.03 37.11E–.04 6–9 16 0-1
ISK IX 21 07 51 21.7 37.42N 37.28E 14–0 1.8L **¶602078340**
ISCJB IX 21 07 51 25.0–.73 37.31N–.03 37.09E–.05 3–6 1.8L
DDA IX 21 07 51 27.1 37.38N 37.21E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=156.1.
DDA Event type ke.
ISC IX 21 10 22 28.5–.98 37.33N–.03 37.16E–.04 9–8 19 0-1
DDA IX 21 10 22 27.8 37.33N 37.15E 7 2.7L **¶602078345**
ISCJB IX 21 10 22 28.4–.62 37.31N–.03 37.15E–.04 5–5 2.7L
ISK IX 21 10 22 28.1 37.33N 37.12E 9–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=137.0.
ISK Event type ke.
ISC IX 21 12 10 34.0–1.1 37.34N–.04 37.13E–.04 10–8 14 0-1
ISK IX 21 12 10 33.0 37.35N 37.14E 13–0 1.5L **¶602078351**
ISCJB IX 21 12 10 34.2–.67 37.31N–.04 37.09E–.05 8–5 1.5L
DDA IX 21 12 10 35.3 37.37N 37.24E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.7km az=147.3.
DDA Event type ke.
ISC IX 21 12 44 19.8–.93 38.11N–.03 27.02E–.03 8–8 28 0-1
ISCJB IX 21 12 44 19.9–.45 38.10N–.03 27.04E–.03 2–9 **¶602078353**
DDA IX 21 12 44 19.9 38.09N 27.01E 2 2.8L
ISK IX 21 12 44 19.3 38.13N 27.05E 9–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=37.4.
DDA Event type ke.
ISK Event type ke.
ISC IX 21 13 12 29.0–1.4 38.53N–.06 34.06E–.05 5–14 14 0-2
ISCJB IX 21 13 12 29.2–.85 38.53N–.05 34.12E–.04 3–9 **¶602078354**
ISK IX 21 13 12 29.9 38.59N 33.90E 24–1 1.6L
DDA IX 21 13 12 30.2 38.58N 34.11E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.5km az=162.4.
ISK Event type ke.
DDA Event type ke.
ISC IX 21 13 42 49.1–2.1 41.37N–.10 40.79E–.07 14–13 16 0-1
ISCJB IX 21 13 42 48.5–1.5 41.41N–.08 40.74E–.08 12–6 **¶602078357**
ISK IX 21 13 42 48.7 41.37N 40.78E 17–0 2.4L
DDA IX 21 13 42 50.0 41.34N 40.83E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=7.6km az=147.8.
ISK Event type ke.
DDA Event type ke.
ISC IX 21 13 56 38.1–.98 38.16N–.03 38.23E–.03 17–8 23 0-2
ISK IX 21 13 56 36.7 38.11N 38.17E 24–0 2.0L **¶602078358**
DDA IX 21 13 56 37.3 38.12N 38.22E 7 2.6L
ISCJB IX 21 13 56 38.6–.46 38.18N–.03 38.25E–.04 18–7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 21 14 45 16.8–.90 40.62N–.04 39.91E–.04 8 14 0-2
ISK IX 21 14 45 17.7 40.64N 39.91E 18–0 2.0L **¶602078361**
ISCJB IX 21 14 45 18.5–.54 40.64N–.04 39.90E–.04 8 2.0L
DDA IX 21 14 45 18.3 40.42N 40.09E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.8km az=147.3.
DDA Event type ke.
ISC IX 21 15 14 26.7–2.2 37.23N–.10 42.68E–.05 4–12 16 0-3
ISN IX 21 15 14 26.6–1.3 37.21N 42.71E 0–5 2.8L **¶602030646**
ISK IX 21 15 14 27.0 37.27N 42.57E 5–0 2.7L
DDA IX 21 15 14 29.5 37.37N 42.65E 7 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=8.8km s-min=8.6km az=-1.0.
ISK Event type ke.
DDA Event type ke.

ISC IX 21 15 31 28.7–.95 37.33N–.03 37.11E–.03 10–7 24 0-2
ISCJB IX 21 15 31 28.9–.56 37.31N–.03 37.12E–.04 6–5 ¶602078365
DDA IX 21 15 31 28.7 37.33N 37.10E 7 2.8L
ISK IX 21 15 31 28.3 37.33N 37.12E 9–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=43.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 21 18 25 08.5–1.2 37.35N–.05 37.12E–.06 6–11 11 0-1
ISK IX 21 18 25 07.7 37.34N 37.13E 5–0 1.7L ¶602078374
ISCJB IX 21 18 25 08.6–.68 37.31N–.05 37.08E–.06 5–10 1.7L
DDA IX 21 18 25 09.7 37.42N 37.05E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.6km az=140.3.
DDA Event type ke.
ISC IX 21 18 46 19.3–1.0 37.33N–.03 37.12E–.03 8–8 24 0-2
ISK IX 21 18 46 18.7 37.34N 37.13E 6–0 2.2L ¶602078376
ISCJB IX 21 18 46 19.4–.64 37.30N–.03 37.11E–.04 2–6 2.2L
DDA IX 21 18 46 19.4 37.32N 37.11E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=43.6.
DDA Event type ke.
ISC IX 21 19 18 32.1–1.0 37.33N–.03 37.11E–.03 11–8 20 0-2
DDA IX 21 19 18 31.9 37.33N 37.10E 7 2.8L ¶602078378
ISK IX 21 19 18 31.9 37.31N 37.12E 8–0 2.2L
ISCJB IX 21 19 18 32.5–.60 37.31N–.03 37.14E–.04 7–5 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 21 19 48 44.1–.96 37.33N–.03 37.15E–.04 11–8 16 0-2
ISK IX 21 19 48 43.9 37.30N 37.10E 8–0 2.0L ¶602078379
ISCJB IX 21 19 48 44.6–.62 37.30N–.03 37.15E–.05 9–5 2.0L
DDA IX 21 19 49 40.8 37.29N 37.15E 13 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.3km az=143.6.
DDA Event type ke.
ISC IX 21 20 50 34.9–1.0 37.33N–.04 37.12E–.05 9–8 16 0-1
ISCJB IX 21 20 50 35.0–.57 37.32N–.04 37.11E–.06 8–7 ¶602078384
ISK IX 21 20 50 34.1 37.35N 37.14E 6–0 2.0L
DDA IX 21 20 51 21.8 37.28N 37.05E 13 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.8km az=139.9.
ISK Event type ke.
DDA Event type ke.
ISC IX 21 23 12 38.9–.95 37.33N–.03 37.15E–.03 11–7 18 0-2
ISK IX 21 23 12 38.8 37.34N 37.13E 5–0 1.6L ¶602078389
ISCJB IX 21 23 12 39.3–.62 37.32N–.03 37.13E–.04 5–6 1.6L
DDA IX 21 23 13 30.8 37.30N 37.14E 14 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=42.6.
DDA Event type ke.
ISC IX 21 23 24 19.4–1.2 36.82N–.03 32.19E–.03 11–10 30 0-2
ISCJB IX 21 23 24 19.6–.60 36.80N–.04 32.19E–.04 4–7 ¶602078390
DDA IX 21 23 24 19.4 36.82N 32.21E 11 2.5L
ISK IX 21 23 24 19.2 36.84N 32.21E 8–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=33.8.
DDA Event type ke.
ISK Event type ke.
ISC IX 21 23 29 31.3–1.0 37.33N–.03 37.11E–.04 10–8 18 0-1
ISK IX 21 23 29 30.7 37.32N 37.11E 8–0 1.7L ¶602078391
ISCJB IX 21 23 29 31.6–.60 37.31N–.03 37.12E–.04 6–5 1.7L
DDA IX 21 23 30 14.8 37.30N 37.08E 12 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=44.3.
DDA Event type ke.
ISC IX 21 23 36 48.9–.93 37.34N–.03 37.14E–.03 10–7 29 0-2
ISK IX 21 23 36 48.3 37.36N 37.14E 10–0 2.0L ¶602078392
DDA IX 21 23 36 48.8 37.30N 37.14E 7 3.0L
ISCJB IX 21 23 36 49.1–.54 37.32N–.03 37.12E–.03 9–5 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 22 01 58 21.7–.99 37.31N–.03 37.10E–.04 8–8 21 0-2
ISK IX 22 01 58 20.6 37.33N 37.10E 2–0 2.7L ¶602078399
ISCJB IX 22 01 58 21.8–.59 37.30N–.04 37.11E–.04 5–6 2.7L
DDA IX 22 01 58 21.5 37.30N 37.13E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=41.9.
DDA Event type ke.
ISC IX 22 09 41 12.7–.95 39.11N–.03 29.14E–.03 11–8 25 0-2
ISCJB IX 22 09 41 12.7–.42 39.10N–.03 29.13E–.04 8–4 ¶602078410
DDA IX 22 09 41 12.5 39.12N 29.13E 7 2.5L
ISK IX 22 09 41 12.2 39.11N 29.14E 5–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=42.1.
DDA Event type ke.
ISK Event type ke.
ISC IX 22 10 09 18.4–.91 39.08N–.03 29.14E–.03 11–7 25 0-2
ISK IX 22 10 09 16.9 38.99N 29.41E 8–0 2.2L ¶602078413
DDA IX 22 10 09 18.0 39.09N 29.11E 7 2.6L
ISCJB IX 22 10 09 18.3–.52 39.09N–.03 29.11E–.03 1–8 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 22 12 06 38.1–1.2 38.68N–.03 43.30E–.04 18–3 15 0-1
ISCJB IX 22 12 06 38.6–.94 38.63N–.05 43.32E–.06 22–13 ¶603000613
DDA IX 22 12 06 38.6 38.70N 43.30E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.2km az=38.6.
DDA Event type ke.
ISC IX 22 14 13 05.9–1.2 39.44N–.04 35.39E–.03 11–9 18 0-1
ISCJB IX 22 14 13 06.4–.91 39.47N–.04 35.37E–.04 7–6 ¶602078418
DDA IX 22 14 13 06.7 39.48N 35.33E 7 2.6L
ISK IX 22 14 13 06.0 39.49N 35.42E 5–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=169.8.
DDA Event type ke.
ISK Event type ke.
ISC IX 22 18 54 24.1–.94 37.33N–.04 37.15E–.03 12–7 22 0-2
ISK IX 22 18 54 23.6 37.33N 37.15E 12–0 2.2L ¶602078435
ISCJB IX 22 18 54 24.4–.55 37.30N–.04 37.12E–.04 11–5 2.2L
DDA IX 22 18 54 24.6 37.43N 37.17E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=27.8.
DDA Event type ke.
ISC IX 22 23 11 38.9–1.2 40.29N–.03 37.97E–.03 8–11 25 0-2
ISK IX 22 23 11 37.9 40.30N 37.95E 6–1 1.9L ¶602078445
DDA IX 22 23 11 39.2 40.29N 37.96E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 22 23 58 48.4–.94 38.68N–.03 43.16E–.04 15–9 22 0-2
ISK IX 22 23 58 47.4 38.67N 43.15E 10–0 1.9L ¶602078450
ISCJB IX 22 23 58 48.4–.47 38.68N–.03 43.16E–.04 13–5 1.9L
DDA IX 22 23 58 48.4 38.67N 43.18E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=41.7.
DDA Event type ke.
ISC IX 23 00 23 40.1–.93 37.32N–.03 37.12E–.03 12–7 21 0-2
ISK IX 23 00 23 39.4 37.30N 37.07E 15–0 1.9L ¶602078451
ISCJB IX 23 00 23 40.2–.56 37.30N–.04 37.10E–.04 12–4 1.9L
DDA IX 23 00 23 40.2 37.32N 37.16E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=33.5.
DDA Event type ke.
ISC IX 23 09 10 43.5–.83 38.68N–.02 42.95E–.02 13–5 4.2b,3.5s 285 0-95
MOS IX 23 09 10 40.5–1.6 38.52N 42.97E 10 4.2b,3.5s ¶601737046
IDC IX 23 09 10 40.0–.71 38.61N 42.89E 0 4.0,3.9
ISK IX 23 09 10 41.4 38.74N 42.95E 5–0 4.4L,3.9
NEIC IX 23 09 10 41.0–.00 38.64N 42.99E 5 4.4L,4.1b
GII IX 23 09 10 42.0–.00 38.73N 42.98E 1 4.4L,4.1b
DDA IX 23 09 10 42.0 38.71N 42.96E 19 4.3L,4.1b
ISCJB IX 23 09 10 42.4–.38 38.68N–.02 42.97E–.02 11–2 4.2b,3.5s
AZER IX 23 09 10 45.6–1.8 38.75N 42.85E 32–32 3.9L,3.5s
ISC Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=96.7.
IDC Error ellipse: s-maj=17.4km s-min=10.3km az=155.0.
ISK Event type ke.
NEIC Event type se. After ISK.
GII Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=151.2.
AZER Error ellipse: s-maj=24.3km s-min=5.0km az=61.0.
ISC IX 23 15 55 01.0–1.6 37.30N–.07 42.66E–.04 1–11 24 0-3
DDA IX 23 15 55 00.8 37.31N 42.68E 5 2.7L ¶602078478
ISK IX 23 15 55 01.1 37.31N 42.54E 5–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 23 17 44 43.9–.94 37.30N–.03 37.13E–.03 11–7 26 0-2
ISK IX 23 17 44 43.6 37.32N 37.09E 5–0 2.0L ¶602078480
DDA IX 23 17 44 43.4 37.25N 37.11E 7 2.7L
ISCJB IX 23 17 44 44.0–.59 37.27N–.03 37.10E–.03 6–5 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 24 00 24 08.1–1.2 37.51N–.03 35.72E–.03 10–12 25 1-2
ISCJB IX 24 00 24 08.1–.55 37.51N–.03 35.70E–.03 7–6 ¶602078493
DDA IX 24 00 24 08.1 37.53N 35.68E 7 2.6L
ISK IX 24 00 24 08.1 37.51N 35.75E 15–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.6km az=17.1.
DDA Event type ke.
ISK Event type ke.
ISC IX 24 01 32 58.7–.98 37.33N–.04 37.12E–.04 10–8 17 0-2
ISCJB IX 24 01 32 58.9–.66 37.32N–.05 37.11E–.06 4–8 ¶602078497
DDA IX 24 01 32 58.6 37.31N 37.14E 7 2.5L
ISK IX 24 01 32 58.2 37.33N 37.11E 5–0 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.5km az=137.6.
DDA Event type ke.
ISK Event type ke.
ISC IX 24 02 37 38.3–1.3 38.78N–.03 43.61E–.04 5–11 34 0-3
DDA IX 24 02 37 37.3 38.80N 43.75E 8 3.1L ¶602078498
ISK IX 24 02 37 38.4 38.83N 43.48E 3–0 2.7L
ISCJB IX 24 02 37 39.4–.59 38.83N–.03 43.55E–.06 10–4 2.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 24 06 01 40.0–1.2 39.82N–.04 38.97E–.03 1–12 20 0-2
ISK IX 24 06 01 39.8 39.90N 38.97E 13–0 2.1L ¶602078501
DDA IX 24 06 01 42.1 39.82N 38.96E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 24 08 27 01.3–.94 39.12N–.05 41.16E–.03 15–7 16 0-2
ISK IX 24 08 27 00.5 39.12N 41.17E 14–0 2.2L ¶602078505
ISCJB IX 24 08 27 01.4–.62 39.14N–.05 41.15E–.04 13–5 2.2L
DDA IX 24 08 27 01.6 39.16N 41.16E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.2km az=179.3.
DDA Event type ke.
ISC IX 24 11 28 56.4–1.1 40.62N–.04 39.93E–.03 15–10 23 0-2
ISCJB IX 24 11 28 57.0–.53 40.64N–.03 39.92E–.03 10–5 ¶602078514
DDA IX 24 11 28 56.1 40.61N 39.96E 7 2.9L
ISK IX 24 11 28 56.1 40.64N 39.90E 18–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=167.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 24 11 34 21.8–.95 37.83N–.03 36.24E–.03 11–9 21 0-2
ISCJB IX 24 11 34 21.8–.54 37.83N–.03 36.24E–.03 2–7 ¶602078515
ISK IX 24 11 34 21.3 37.81N 36.27E 18–0 2.5L
DDA IX 24 11 34 22.3 37.83N 36.17E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=20.6.
ISK Event type ke.
DDA Event type ke.
ISC IX 24 15 25 19.3–.94 39.86N–.05 33.13E–.03 9 14 0-2
ISK IX 24 15 25 18.4 39.89N 33.10E 5–0 2.0L ¶602078521
ISCJB IX 24 15 25 19.7–.56 39.85N–.04 33.12E–.04 9 2.0L
DDA IX 24 15 25 19.6 39.81N 33.17E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=176.8.
DDA Event type ke.
ISC IX 24 16 13 42.5–.78 38.51N–.02 43.71E–.02 5–5 3.9b 159 0-77
MOS IX 24 16 13 39.5–1.9 38.21N 43.70E 10 4.0b ¶601864105
IDC IX 24 16 13 39.9–1.4 38.29N 43.50E 0 3.8b,3.6
AZER IX 24 16 13 40.1–1.7 38.27N 43.55E 29 3.9L,3.6
DDA IX 24 16 13 40.6 38.55N 43.75E 6 4.0L,3.6
ISK IX 24 16 13 40.9 38.53N 43.66E 6–0 3.9L,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=10.3km s-min=5.8km az=81.2.
IDC Error ellipse: s-maj=22.8km s-min=14.7km az=15.0.
AZER Error ellipse: s-maj=12.0km s-min=6.3km az=49.0.
DDA Event type ke.
ISK Event type ke.
ISC IX 24 16 55 08.3–2.2 37.3N–.10 42.59E–.08 4–12 16 0-3
ISCJB IX 24 16 55 08.1–1.5 37.25N–.07 42.58E–.08 3–8 ¶602078525
ISK IX 24 16 55 08.6 37.29N 42.54E 6–0 2.6L
DDA IX 24 16 55 10.2 37.45N 42.61E 7 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=9.5km az=37.0.
ISK Event type ke.
DDA Event type ke.

ISC IX 25 00 12 51.3–.94 37.31N–.03 37.13E–.03 10–7 23 0-2
DDA IX 25 00 12 50.4 37.28N 37.12E 6 2.7L **¶602078536**
ISK IX 25 00 12 50.9 37.33N 37.12E 5–0 2.0L
ISCJB IX 25 00 12 51.3–.57 37.31N–.04 37.12E–.04 5–6 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 25 02 30 55.2–.90 37.31N–.03 37.12E–.03 13–7 23 0-2
DDA IX 25 02 30 54.8 37.32N 37.13E 7 2.5L **¶602078540**
ISCJB IX 25 02 30 55.4–.53 37.30N–.04 37.11E–.04 9–5 2.5L
ISK IX 25 02 30 55.2 37.31N 37.10E 7–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=28.6.
ISK Event type ke.
ISC IX 25 03 20 32.4–.95 37.34N–.04 37.13E–.03 10–7 23 0-2
ISK IX 25 03 20 31.9 37.33N 37.11E 8–0 1.9L **¶602078541**
ISCJB IX 25 03 20 32.4–.58 37.32N–.04 37.14E–.04 5–7 1.9L
DDA IX 25 03 20 32.6 37.41N 37.16E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=37.6.
DDA Event type ke.
ISC IX 25 03 38 59.3–1.0 38.83N–.04 43.56E–.05 28–7 16 0-1
ISK IX 25 03 38 59.1 38.85N 43.45E 5–0 2.0L **¶602078544**
DDA IX 25 03 39 00.7 38.83N 43.49E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 25 06 05 57.8–1.6 37.28N–.05 31.21E–.03 90–13 30 0-2
DDA IX 25 06 05 54.8 37.04N 30.97E 7 2.8L **¶602078550**
ISCJB IX 25 06 05 56.6–.90 37.27N–.05 31.21E–.04 101–8 2.8L
ISK IX 25 06 05 57.0 37.30N 31.28E 16–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=176.0.
ISK Event type ke.
ISC IX 25 15 20 50.8–1.0 38.63N–.03 43.09E–.04 12–9 23 0-2
ISK IX 25 15 20 49.2 38.65N 43.09E 5–0 2.5L **¶602078574**
DDA IX 25 15 20 50.7 38.60N 43.07E 7 2.5
ISCJB IX 25 15 20 51.2–.45 38.64N–.03 43.09E–.03 5–6 2.5
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 25 19 35 12.0–1.0 37.32N–.03 37.15E–.03 9–8 22 0-2
ISCJB IX 25 19 35 12.0–.59 37.31N–.04 37.13E–.04 5–6 **¶602078582**
DDA IX 25 19 35 11.7 37.34N 37.11E 7 2.8
ISK IX 25 19 35 11.4 37.32N 37.15E 5–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=36.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 25 20 47 28.5–1.1 37.51N–.03 36.19E–.03 6–10 22 0-3
ISK IX 25 20 47 27.9 37.49N 36.19E 4–0 2.1L **¶602078585**
ISCJB IX 25 20 47 28.2–.60 37.51N–.03 36.19E–.03 3–6 2.1L
DDA IX 25 20 47 28.5 37.57N 36.21E 7 2.7
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=13.7.
DDA Event type ke.
ISC IX 26 03 35 30.5–1.0 37.48N–.02 35.75E–.02 8–8 68 0-3
IASPE IX 26 03 35 30.3–1.0 37.50N–.03 35.72E–.03 8–9 **¶602078595**
ISCJB IX 26 03 35 30.2–.43 37.49N–.02 35.74E–.03 5–4
DDA IX 26 03 35 30.0 37.52N 35.69E 19 3.7L
ISK IX 26 03 35 30.1 37.47N 35.78E 11–0 3.6L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=12.2. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=144.6.
DDA Event type ke.
ISK Event type ke.
ISC IX 26 05 16 39.7–1.3 38.11N–.04 38.75E–.03 6–13 24 0-2
ISK IX 26 05 16 39.8 38.07N 38.76E 5–0 2.3L **¶602078598**
DDA IX 26 05 16 40.0 38.08N 38.73E 7 3.0L
ISCJB IX 26 05 16 40.2–.56 38.07N–.02 38.73E–.04 3–6 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 26 06 49 10.8–.95 38.45N–.03 41.99E–.03 10–7 21 0-2
ISCJB IX 26 06 49 10.8–.58 38.43N–.03 41.96E–.04 8–5 **¶602078603**
DDA IX 26 06 49 10.5 38.41N 42.02E 7 2.6L
ISK IX 26 06 49 10.8 38.50N 41.92E 10–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=18.0.
DDA Event type ke.
ISK Event type ke.
ISC IX 26 08 14 51.4–1.3 38.83N–.04 35.45E–.03 6–12 20 0-2
ISK IX 26 08 14 49.9 38.85N 35.49E 5–0 2.3L **¶602078608**
DDA IX 26 08 14 51.2 38.78N 35.43E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
DDA IX 26 09 03 55.1 37.03N 34.90E 7 2.1L
¶603000749
DDA Event type ke.
ISC IX 26 11 00 35.6–.97 39.54N–.01 26.02E–.02 13–8 91 0-3
ISCJB IX 26 11 00 35.6–.38 39.54N–.01 26.00E–.03 8–3 **¶602031042**
ATH IX 26 11 00 35.3 39.53N 26.01E 25–2 2.8L
DDA IX 26 11 00 35.2 39.54N 26.01E 7 3.2L
ISK IX 26 11 00 35.3 39.54N 26.01E 12–0 3.0L
THE IX 26 11 00 36.1 39.54N 25.94E 6–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=175.3.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=229.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=233.0.
ISC IX 26 15 17 43.7–1.3 37.38N–.04 37.19E–.04 5–12 15 0-2
ISCJB IX 26 15 17 43.9–.00 37.37N–.05 37.18E–.06 4–9 **¶602078639**
DDA IX 26 15 17 43.9 37.35N 37.17E 7 2.6L
ISK IX 26 15 17 43.1 37.36N 37.21E 8–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=4.9km az=39.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 26 16 39 40.5–1.1 37.32N–.03 37.13E–.03 7–9 27 0-2
ISK IX 26 16 39 39.7 37.33N 37.11E 5–0 1.9L **¶602078645**
ISCJB IX 26 16 39 40.6–.62 37.30N–.03 37.13E–.03 2–7 1.9L
DDA IX 26 16 39 41.0 37.30N 37.15E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=29.9.
DDA Event type ke.
ISC IX 26 17 32 25.8–1.7 37.26N–.07 43.92E–.05 0–13 20 0-3
DDA IX 26 17 32 25.4 37.28N 43.92E 7 2.6L **¶602031070**
ISN IX 26 17 32 26.8–.85 37.06N 43.65E 0–4 2.3L
ISK IX 26 17 32 27.7 37.15N 43.67E 5–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISK Event type ke.
ISC IX 26 18 56 39.8–.96 37.35N–.03 37.15E–.03 12–8 22 0-2
ISCJB IX 26 18 56 39.9–.75 37.35N–.04 37.13E–.04 3–8 **¶602078651**
ISK IX 26 18 56 39.8 37.35N 37.14E 5–0 1.8L
DDA IX 26 18 57 32.3 37.30N 37.15E 13 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.3km az=37.4.
ISK Event type ke.
DDA Event type ke.
ISC IX 26 22 15 22.8–.91 37.34N–.02 37.13E–.02 12–7 59 0-4
DDA IX 26 22 15 22.9 37.33N 37.10E 17 3.5L **¶602078660**
ISK IX 26 22 15 22.6 37.34N 37.14E 7–0 3.5L
ISCJB IX 26 22 15 23.0–.54 37.32N–.03 37.11E–.02 5–5 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 27 00 48 53.6–1.3 39.21N–.04 34.46E–.04 4–13 22 0-2
ISK IX 27 00 48 52.9 39.25N 34.40E 5–0 2.1L **¶602078666**
DDA IX 27 00 48 54.2 39.25N 34.47E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 27 04 42 01.8–1.3 40.16N–.03 31.66E–.03 1–13 24 1-2
DDA IX 27 04 42 01.6 40.14N 31.66E 7 2.5L **¶602078670**
ISK IX 27 04 42 02.1 40.07N 31.68E 5–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC IX 27 07 34 47.9–.97 37.31N–.03 37.13E–.03 9–8 29 0-2
DDA IX 27 07 34 48.0 37.28N 37.13E 7 2.8L **¶602078674**
ISK IX 27 07 34 47.1 37.33N 37.13E 5–0 2.4L
ISCJB IX 27 07 34 48.0–.57 37.29N–.03 37.09E–.03 4–5 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 27 08 02 51.1–1.1 37.32N–.03 37.14E–.03 10–9 20 0-2
DDA IX 27 08 02 50.8 37.33N 37.15E 7 2.9L **¶602078676**
ISK IX 27 08 02 50.7 37.32N 37.13E 7–0 2.0L
ISCJB IX 27 08 02 51.3–.61 37.32N–.03 37.12E–.04 7–7 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 27 10 06 11.2–1.4 37.4N–.10 42.65E–.05 9–11 12 0-3
ISN IX 27 10 06 07.0–.82 37.24N 42.62E 2–3 2.8L **¶602031132**
ISK IX 27 10 06 08.7 37.25N 42.50E 5–0 2.8L
ISCJB IX 27 10 06 09.4–1.5 37.2N–.10 42.49E–.06 0–10 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 27 11 37 31.5–1.2 37.29N–.04 38.59E–.03 7–10 23 0-2
ISK IX 27 11 37 30.9 37.30N 38.59E 8–0 2.5L **¶602078684**
ISCJB IX 27 11 37 31.8–.60 37.32N–.04 38.57E–.03 8–5 2.5L
DDA IX 27 11 37 31.6 37.32N 38.57E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=173.4.
DDA Event type ke.
ISC IX 27 11 42 58.5–1.6 37.58N–.07 42.50E–.05 3–15 13 0-3
ISN IX 27 11 42 56.3–.30 37.45N 42.48E 0 2.3L **¶602031136**
ISK IX 27 11 42 58.1 37.55N 42.41E 5–0 2.3L
DDA IX 27 11 42 59.0 37.50N 42.46E 5 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.7km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 27 14 35 17.9–.93 38.76N–.02 43.50E–.04 14–7 26 0-2
ISK IX 27 14 35 16.5 38.74N 43.52E 5–0 2.7L **¶602078689**
ISCJB IX 27 14 35 17.9–.54 38.75N–.02 43.52E–.05 9–5 2.7L
DDA IX 27 14 35 17.7 38.78N 43.47E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=13.2.
DDA Event type ke.
ISC IX 27 15 17 36.4–1.1 38.76N–.03 43.53E–.04 15–10 25 0-2
DDA IX 27 15 17 36.5 38.74N 43.52E 7 2.9L **¶602078694**
ISK IX 27 15 17 36.2 38.74N 43.51E 5–0 2.8L
ISCJB IX 27 15 17 37.6–.52 38.76N–.03 43.51E–.05 7–5 2.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 27 15 25 25.1–1.2 38.75N–.03 43.50E–.04 13–11 19 0-2
DDA IX 27 15 25 24.8 38.72N 43.52E 7 2.6L **¶602078695**
ISK IX 27 15 25 24.1 38.75N 43.47E 5–1 2.6L
ISCJB IX 27 15 25 25.4–.61 38.74N–.03 43.51E–.06 12–6 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC IX 27 17 01 44.3–1.1 40.63N–.03 35.47E–.03 10–10 23 0-2
ISK IX 27 17 01 43.9 40.65N 35.45E 6–0 2.4L **¶602078697**
ISCJB IX 27 17 01 44.1–.64 40.63N–.03 35.47E–.03 1–6 2.4L
DDA IX 27 17 01 44.1 40.64N 35.45E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=139.9.
DDA Event type ke.
ISC IX 28 03 14 37.3–.97 39.14N–.03 42.36E–.03 16–8 23 0-2
DDA IX 28 03 14 36.9 39.15N 42.35E 7 2.8L **¶602078710**
ISK IX 28 03 14 36.6 39.16N 42.32E 9–0 2.3L
ISCJB IX 28 03 14 37.1–.51 39.15N–.04 42.35E–.03 11–5 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
DDA IX 28 08 01 19.8 37.85N 29.21E 7 2.5L
¶603000841
DDA Event type ke.
ISC IX 28 14 01 29.0–.94 37.51N–.03 35.70E–.03 11–8 30 0-2
ISCJB IX 28 14 01 28.8–.43 37.50N–.03 35.70E–.04 9–5 **¶602078734**
ISK IX 28 14 01 28.7 37.47N 35.72E 11–0 2.3L
DDA IX 28 14 01 29.0 37.53N 35.67E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=33.1.
ISK Event type ke.
DDA Event type ke.
ISC IX 28 16 48 21.6–1.3 37.29N–.06 42.64E–.04 8–10 29 0-2
ISN IX 28 16 48 19.6–.97 37.15N 42.62E 3–4 2.7L **¶602031220**
ISK IX 28 16 48 20.1 37.25N 42.55E 5–0 2.5L
DDA IX 28 16 48 21.6 37.29N 42.56E 2 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=6.3km s-min=4.2km az=-1.0.
ISK Event type ke.

DDA Event type ke.
ISC IX 28 16 54 32.8–1.1 38.70N–.03 43.28E–.03 7–10 25 0-1
ISK IX 28 16 54 31.3 38.67N 43.28E 15–2 2.3L ¶602078746
DDA IX 28 16 54 32.2 38.69N 43.26E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 28 17 32 08.0–.99 37.31N–.03 37.18E–.03 8–8 26 0-2
ISK IX 28 17 32 06.9 37.33N 37.16E 3–0 1.8L ¶602078747
ISCJB IX 28 17 32 08.0–.64 37.30N–.03 37.16E–.03 2–5 1.8L
DDA IX 28 17 32 08.4 37.29N 37.22E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=135.6.
DDA Event type ke.
ISC IX 28 18 18 06.5–.97 37.33N–.03 37.13E–.03 11–8 22 0-2
ISCJB IX 28 18 18 06.8–.60 37.32N–.03 37.12E–.03 6–5 ¶602078750
DDA IX 28 18 18 06.3 37.34N 37.13E 7 2.7L
ISK IX 28 18 18 06.2 37.33N 37.12E 9–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=26.7.
DDA Event type ke.
ISK Event type ke.
ISC IX 28 18 56 28.8–1.0 37.32N–.03 37.16E–.03 8–9 27 0-2
ISCJB IX 28 18 56 28.9–.68 37.30N–.03 37.15E–.03 5–5 ¶602078752
DDA IX 28 18 56 28.9 37.30N 37.17E 7 2.5L
ISK IX 28 18 56 28.1 37.33N 37.17E 6–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=21.9.
DDA Event type ke.
ISK Event type ke.
ISC IX 29 09 00 38.9–1.2 38.69N–.04 43.57E–.05 17–9 20 0-1
ISK IX 29 09 00 38.9 38.70N 43.49E 18–0 2.4L ¶602078779
ISCJB IX 29 09 00 39.1–1.0 38.64N–.05 43.59E–.08 25–5 2.4L
DDA IX 29 09 00 39.0 38.70N 43.58E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.4km az=33.7.
DDA Event type ke.
ISC IX 29 10 41 33.2–1.8 37.61N–.06 41.80E–.06 9–10 22 0-2
ISCJB IX 29 10 41 32.9–1.3 37.58N–.05 41.77E–.07 5–6 ¶602031288
DDA IX 29 10 41 32.6 37.60N 41.81E 7 2.7L
ISK IX 29 10 41 33.8 37.63N 41.71E 9–0 2.8L
ISN IX 29 10 41 34.1–.88 37.60N 41.65E 0–4 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.9km az=41.4.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=4.6km s-min=5.7km az=-1.0.
ISC IX 29 12 54 30.8–1.2 37.48N–.03 28.10E–.03 10–11 22 0-1
ISK IX 29 12 54 30.5 37.48N 28.09E 11–0 2.2L ¶602078790
ISCJB IX 29 12 54 31.0–.44 37.46N–.03 28.11E–.04 5–7 2.2L
DDA IX 29 12 54 31.3 37.44N 28.10E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=157.9.
DDA Event type ke.
ISC IX 29 14 34 05.9–.99 40.99N–.05 38.04E–.04 15–9 20 0-2
ISCJB IX 29 14 34 05.9–.73 41.03N–.06 38.03E–.04 13–4 ¶602078796
DDA IX 29 14 34 05.8 40.96N 38.08E 7 2.6L
ISK IX 29 14 34 05.0 41.01N 38.00E 10–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.2km az=169.7.
DDA Event type ke.
ISK Event type ke.
ISC IX 29 15 48 03.2–1.2 38.67N–.04 43.13E–.04 15–13 13 0-1
ISK IX 29 15 48 02.5 38.65N 43.10E 19–3 2.1L ¶602078803
DDA IX 29 15 48 03.9 38.70N 43.16E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 29 17 02 22.6–1.3 38.67N–.03 43.13E–.03 14–14 19 0-1
ISK IX 29 17 02 21.9 38.67N 43.12E 17–2 2.3L ¶602078807
ISCJB IX 29 17 02 23.0–.54 38.67N–.04 43.13E–.04 11–6 2.3L
DDA IX 29 17 02 23.1 38.68N 43.15E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=8.7.
DDA Event type ke.
ISC IX 29 17 18 24.5–1.2 38.70N–.03 43.17E–.03 7–11 19 0-1
ISK IX 29 17 18 23.5 38.71N 43.15E 5–0 2.3L ¶602078808
DDA IX 29 17 18 24.9 38.70N 43.20E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 29 21 06 16.5–1.1 37.32N–.03 37.15E–.03 9–8 22 0-2
ISK IX 29 21 06 15.9 37.33N 37.16E 8–0 2.1L ¶602078819
DDA IX 29 21 06 16.6 37.30N 37.15E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC IX 30 04 26 59.8–.92 37.33N–.03 37.12E–.03 12–7 27 0-2
ISCJB IX 30 04 26 60.0–.51 37.31N–.03 37.10E–.03 11–4 ¶602078829
DDA IX 30 04 26 59.1 37.28N 37.11E 7 3.1L
ISK IX 30 04 26 59.4 37.34N 37.11E 12–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=28.8.
DDA Event type ke.
ISK Event type ke.
ISC IX 30 10 37 51.3–1.2 39.52N–.04 28.81E–.04 13–10 17 0-1
ISK IX 30 10 37 50.9 39.47N 28.81E 14–0 1.5L ¶602078839
ISCJB IX 30 10 37 51.7–.60 39.50N–.03 28.82E–.04 3–8 1.5L
DDA IX 30 10 37 54.1 39.40N 28.79E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=154.0.
DDA Event type ke.
ISC IX 30 11 39 51.4–.95 39.94N–.03 39.71E–.03 13–8 24 0-2
ISCJB IX 30 11 39 51.4–.51 39.94N–.02 39.69E–.04 6–5 ¶602078842
DDA IX 30 11 39 51.4 39.94N 39.67E 11 2.5L
ISK IX 30 11 39 51.0 39.93N 39.72E 13–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=10.5.
DDA Event type ke.
ISK Event type ke.
ISC IX 30 17 23 07.9–1.6 37.23N–.06 42.50E–.04 3–11 19 0-2
ISN IX 30 17 23 06.0–.30 37.20N 42.57E 0 2.5L ¶602031370
ISK IX 30 17 23 07.8 37.25N 42.50E 5–0 2.7L
DDA IX 30 17 23 08.3 37.25N 42.49E 4 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 30 19 00 35.6–1.6 37.25N–.07 42.50E–.05 5–11 19 0-3
ISN IX 30 19 00 31.6–.30 37.24N 42.50E 0 2.3L ¶602031373
ISCJB IX 30 19 00 35.4–1.4 37.21N–.07 42.50E–.07 0–13 2.3L
DDA IX 30 19 00 35.4 37.26N 42.52E 6 2.8L
ISK IX 30 19 00 35.1 37.25N 42.47E 5–0 2.4L
ISC Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.2km az=37.3.

DDA Event type ke.
ISK Event type ke.
ISC IX 30 19 03 00.4–1.8 37.24N–.07 42.48E–.04 3–11 26 0-3
ISN IX 30 19 02 56.6–.30 37.23N 42.49E 0 2.6L ¶602031374
ISK IX 30 19 02 59.5 37.25N 42.46E 4–0 2.6L
DDA IX 30 19 03 00.3 37.26N 42.48E 7 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 30 22 08 49.7–.94 38.97N–.03 35.86E–.03 11–8 21 0-2
ISCJB IX 30 22 08 49.9–.56 38.99N–.03 35.83E–.04 8–5 ¶602078860
DDA IX 30 22 08 49.7 38.96N 35.84E 7 2.5L
ISK IX 30 22 08 49.4 39.01N 35.85E 5–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=30.7.
DDA Event type ke.
ISK Event type ke.
ISC X 01 03 00 49.4–1.1 39.03N–.02 29.94E–.02 5–11 35 0-2
DDA X 01 03 00 49.0 39.01N 29.95E 7 2.6L ¶602078871
ISCJB X 01 03 00 49.2–.46 39.03N–.02 29.95E–.03 1–5 2.6L
ISK X 01 03 00 49.8 39.07N 29.90E 5–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=164.4.
ISK Event type ke.
ISC X 01 05 32 19.2–.00 37.63N–.02 36.30E–.02 3–9 70 0-3
ISK X 01 05 32 18.4 37.64N 36.29E 2–0 3.4L ¶602078873
IASPE X 01 05 32 19.4–.99 37.64N–.03 36.30E–.03 5–8 3.4L
DDA X 01 05 32 19.0 37.64N 36.28E 4 3.6L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=10.4. GT5 selection from ISC bulletin. GT5 identified by Bondˆjr and McLaughlin (2009) selection criteria. Bondˆjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
ISC X 01 15 55 24.3–1.0 37.32N–.03 37.12E–.03 10–8 21 0-2
ISK X 01 15 55 23.9 37.31N 37.09E 5–0 1.9L ¶602078897
ISCJB X 01 15 55 24.4–.55 37.29N–.04 37.09E–.04 9–6 1.9L
DDA X 01 15 55 24.4 37.41N 37.15E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=30.7.
DDA Event type ke.
ISC X 01 17 53 18.1–.97 37.31N–.03 37.08E–.03 10–8 17 0-2
ISK X 01 17 53 17.5 37.30N 37.05E 7–0 1.7L ¶602078899
ISCJB X 01 17 53 18.1–.54 37.29N–.04 37.05E–.05 9–6 1.7L
DDA X 01 17 53 18.3 37.32N 37.14E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.2km az=40.3.
DDA Event type ke.
ISC X 01 20 50 57.3–1.2 39.24N–.03 34.37E–.03 15–11 23 0-1
ISK X 01 20 50 55.9 39.25N 34.41E 10–0 1.9L ¶602078904
ISCJB X 01 20 50 57.1–.54 39.22N–.03 34.36E–.04 6–6 1.9L
DDA X 01 20 50 57.4 39.22N 34.36E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.9km az=22.0.
DDA Event type ke.
ISC X 01 23 02 37.8–1.3 36.48N–.03 29.03E–.03 13–11 36 0-3
ISK X 01 23 02 37.8 36.48N 29.03E 15–0 2.1L ¶602078910
ATH X 01 23 02 37.6 36.48N 29.06E 37–3 1.7L
ISCJB X 01 23 02 38.2–.62 36.47N–.03 29.02E–.03 13–4 1.7L
DDA X 01 23 02 40.5 36.70N 28.97E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=156.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=176.5.
DDA Event type ke.
ISC X 02 00 53 58.9–.99 37.32N–.04 37.16E–.03 9–9 22 0-2
ISCJB X 02 00 53 58.9–.69 37.31N–.04 37.17E–.05 3–8 ¶602078915
ISK X 02 00 53 58.3 37.32N 37.14E 6–0 2.0L
DDA X 02 00 53 59.1 37.33N 37.19E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=137.4.
ISK Event type ke.
DDA Event type ke.
ISC X 02 04 23 31.2–1.0 37.35N–.03 37.14E–.03 8–9 24 0-2
ISK X 02 04 23 30.6 37.34N 37.13E 7–0 1.8L ¶602078921
ISCJB X 02 04 23 31.1–.64 37.34N–.03 37.14E–.03 1–6 1.8L
DDA X 02 04 23 31.4 37.39N 37.16E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=28.7.
DDA Event type ke.
ISC X 02 06 30 11.4–1.1 37.13N–.04 34.51E–.03 10–10 23 0-1
ISK X 02 06 30 10.2 37.19N 34.48E 10–0 2.1L ¶602078924
ISCJB X 02 06 30 11.7–.53 37.10N–.03 34.50E–.03 9–5 2.1L
DDA X 02 06 30 12.0 37.09N 34.52E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=168.0.
DDA Event type ke.
ISC X 02 09 38 39.7–4.0 38.61N–.08 43.77E–.10 17–27 17 0-1
ISK X 02 09 38 42.9 38.77N 43.47E 15–0 2.3L ¶602078934
DDA X 02 09 38 42.2 38.70N 43.75E 6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 02 12 04 59.1–1.0 40.22N–.04 27.30E–.04 23–9 20 0-2
DDA X 02 12 04 54.6 40.37N 27.21E 6 3.1L ¶602078939
ISK X 02 12 04 57.8 40.12N 27.30E 8–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 02 13 55 15.3–1.2 38.26N–.10 36.95E–.05 7–12 12 0-2
DDA X 02 13 55 14.9 38.30N 36.93E 7 2.6L ¶602078942
ISCJB X 02 13 55 15.2–.86 38.30N–.09 36.92E–.06 9–8 2.6L
ISK X 02 13 55 15.4 38.29N 36.95E 9–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=5.2km az=156.6.
ISK Event type ke.
ISC X 02 15 53 08.4–1.6 37.34N–.08 42.64E–.04 1–14 16 0-2
ISN X 02 15 53 06.0–1.3 37.31N 42.68E 0–5 2.8L ¶601996824
ISK X 02 15 53 08.1 37.33N 42.58E 7–0 2.5L
DDA X 02 15 53 09.0 37.35N 42.61E 6 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=7.2km s-min=3.5km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC X 02 17 58 54.6–1.3 38.03N–.05 35.14E–.07 17–9 13 0-1
ISK X 02 17 58 54.1 38.06N 35.21E 21–0 1.6L ¶602078953
DDA X 02 17 58 54.2 37.98N 35.11E 7 2.7L
ISCJB X 02 17 58 55.2–.60 38.04N–.04 35.17E–.04 10–7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.

ISCJB Event type ke.
ISC X 03 01 14 21.5–1.5 37.20N–.06 42.48E–.03 8–11 25 0-3
ISK X 03 01 14 21.2 37.23N 42.45E 6–0 2.4L **¶601996870**
DDA X 03 01 14 22.2 37.22N 42.51E 7 2.6L
ISN X 03 01 14 24.1–.92 37.11N 42.66E 0–4 2.3L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=6.0km s-min=3.9km az=-1.0.
ISC X 03 03 28 20.2–.85 39.03N–.03 40.69E–.03 9–5 29 0-2
ISK X 03 03 28 19.6 39.02N 40.69E 11–0 2.6L **¶602078982**
IASPE X 03 03 28 20.0–.89 39.02N–.03 40.71E–.03 10–5 2.6L
ISCJB X 03 03 28 20.2–.42 39.04N–.02 40.64E–.04 9–3 2.6L
DDA X 03 03 28 20.5 39.04N 40.71E 3 2.9L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=84.5. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=166.8.
DDA Event type ke.
ISC X 03 06 48 38.2–1.0 40.08N–.05 34.91E–.06 12–9 13 0-2
DDA X 03 06 48 37.9 40.06N 34.94E 7 2.5L **¶602078991**
ISCJB X 03 06 48 38.3–.64 40.07N–.04 34.90E–.06 12–8 2.5L
ISK X 03 06 48 38.1 40.11N 34.89E 14–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.0km az=39.8.
ISK Event type ke.
ISC X 03 07 57 48.1–.91 39.01N–.03 28.67E–.03 8–7 26 0-2
ISCJB X 03 07 57 48.2–.43 39.00N–.03 28.66E–.04 6–5 **¶602078994**
ISK X 03 07 57 48.0 38.99N 28.67E 10–0 2.0L
DDA X 03 07 57 48.1 39.02N 28.68E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=138.7.
ISK Event type ke.
DDA Event type ke.
ISC X 03 12 22 37.0–.91 38.74N–.03 43.20E–.04 17–8 23 0-2
ISK X 03 12 22 35.9 38.73N 43.20E 13–0 2.6L **¶602079015**
ISCJB X 03 12 22 37.4–.45 38.73N–.02 43.21E–.04 21–6 2.6L
DDA X 03 12 22 37.3 38.72N 43.18E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=168.2.
DDA Event type ke.
ISC X 03 12 25 00.7–1.2 37.83N–.03 38.23E–.04 8–11 19 0-2
ISK X 03 12 25 00.0 37.79N 38.21E 12–0 2.3L **¶602079016**
DDA X 03 12 25 01.0 37.84N 38.19E 7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 03 12 43 26.9–1.0 37.46N–.03 28.09E–.04 12–9 24 0-2
ISCJB X 03 12 43 26.5–.58 37.46N–.03 28.12E–.05 5–7 **¶602079018**
ISK X 03 12 43 26.3 37.46N 28.09E 9–0 2.0L
DDA X 03 12 43 27.2 37.46N 28.08E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=152.7.
ISK Event type ke.
DDA Event type ke.
ISC X 03 17 58 16.4–1.1 38.58N–.03 39.44E–.03 9–10 29 0-2
ISCJB X 03 17 58 16.9–.48 38.55N–.02 39.45E–.03 7–4 **¶602079030**
DDA X 03 17 58 16.6 38.56N 39.44E 7 2.7L
ISK X 03 17 58 16.5 38.53N 39.41E 12–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=153.9.
DDA Event type ke.
ISK Event type ke.
ISC X 04 00 05 47.4–1.1 38.53N–.03 39.43E–.03 6–10 33 0-3
ISK X 04 00 05 46.9 38.54N 39.42E 6–0 2.8L **¶602079038**
ISCJB X 04 00 05 47.1–.67 38.51N–.02 39.44E–.03 0–5 2.8L
DDA X 04 00 05 47.3 38.53N 39.41E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=147.6.
DDA Event type ke.
ISC X 04 01 07 59.8–.86 39.13N–.02 29.08E–.02 9–6 85 0-3
ISK X 04 01 07 58.9 39.16N 29.11E 5–0 3.0L **¶602079041**
ISCJB X 04 01 07 59.7–.42 39.15N–.02 29.08E–.02 2–3 3.0L
DDA X 04 01 07 59.1 39.13N 29.09E 7 3.6L
THE X 04 01 08 00.1 39.11N 29.06E 0–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=171.9.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=216.0.
ISC X 04 01 17 43.6–1.0 38.72N–.03 43.18E–.03 10–10 26 0-2
ISK X 04 01 17 42.5 38.71N 43.17E 4–0 2.5L **¶602079042**
ISCJB X 04 01 17 43.7–.43 38.72N–.02 43.17E–.03 6–8 2.5L
DDA X 04 01 17 43.9 38.70N 43.23E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=8.3.
DDA Event type ke.
ISC X 04 02 55 42.4–1.2 38.07N–.03 38.23E–.03 10–11 24 0-2
ISCJB X 04 02 55 42.6–.69 38.07N–.03 38.26E–.03 2–7 **¶602079044**
DDA X 04 02 55 42.2 38.06N 38.22E 7 2.9L
ISK X 04 02 55 42.1 38.06N 38.23E 11–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=18.7.
DDA Event type ke.
ISK Event type ke.
ISC X 04 03 29 07.6–1.1 36.27N–.02 30.61E–.02 17–9 133 1-7
DDA X 04 03 29 08.8 36.29N 30.58E 41 3.6L **¶601783849**
ISK X 04 03 29 09.8 36.32N 30.58E 28–0 3.5L
THE X 04 03 29 11.3 36.26N 30.59E 26–6 3.0L
NIC X 04 03 29 12.4–.20 36.40N 30.80E 25 3.4L
ATH X 04 03 29 13.6 36.41N 30.16E 40–1 3.2L
HLW X 04 03 29 13.2 35.84N 30.28E 10–12 3.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.4km az=131.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=146.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 04 09 54 04.5–.98 40.30N–.04 40.23E–.04 13–7 17 0-2
ISK X 04 09 54 02.9 40.25N 40.33E 8–0 2.4L **¶602079058**
DDA X 04 09 54 04.7 40.37N 40.22E 7 2.7L
ISCJB X 04 09 54 05.6–.57 40.33N–.04 40.21E–.04 12–4 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 04 16 56 53.2–1.1 38.13N–.02 39.03E–.03 8–10 29 0-2
DDA X 04 16 56 53.0 38.15N 39.03E 7 2.9L **¶602079069**
ISK X 04 16 56 52.9 38.12N 39.04E 8–0 2.7L
ISCJB X 04 16 56 53.1–.52 38.13N–.02 39.03E–.03 1–5 2.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 04 17 53 10.7–1.1 38.64N–.03 43.07E–.03 11–9 27 0-2
DDA X 04 17 53 10.9 38.64N 43.07E 7 2.9L **¶602079070**
ISK X 04 17 53 10.2 38.66N 43.03E 6–0 2.6L
ISCJB X 04 17 53 11.0–.42 38.67N–.02 43.05E–.03 8–4 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 04 19 58 09.4–1.2 38.00N–.02 32.15E–.03 1–13 25 0-2
DDA X 04 19 58 08.9 38.00N 32.15E 7 2.7L **¶602079071**
ISK X 04 19 58 09.5 38.03N 32.20E 5–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 04 23 06 15.2–1.0 37.45N–.05 42.67E–.03 10–8 34 0-3
ISN X 04 23 06 14.3–.98 37.40N 42.74E 0–5 2.9L **¶601997072**
ISK X 04 23 06 14.3 37.50N 42.68E 5–0 3.0L
ISCJB X 04 23 06 15.5–.61 37.45N–.05 42.66E–.03 1–4 3.0L
DDA X 04 23 06 15.5 37.45N 42.66E 7 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=6.9km s-min=2.7km az=-1.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=8.5.
DDA Event type ke.
ISC X 05 02 51 06.6–.93 37.16N–.03 28.29E–.03 14–6 27 0-1
ISCJB X 05 02 51 06.6–.43 37.16N–.03 28.29E–.03 11–4 **¶602079078**
DDA X 05 02 51 06.6 37.16N 28.28E 7 2.5L
ISK X 05 02 51 06.3 37.15N 28.28E 14–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=28.7.
DDA Event type ke.
ISK Event type ke.
ISC X 05 09 12 54.0–1.6 37.34N–.09 42.71E–.04 4–11 18 0-2
DDA X 05 09 12 53.6 37.29N 42.69E 6 2.7L **¶601997117**
ISN X 05 09 12 53.4–.30 37.17N 42.67E 0 2.7L
ISK X 05 09 12 53.3 37.31N 42.60E 5–0 2.7L
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
ISK Event type ke.
ISC X 05 10 25 28.2–.94 39.37N–.01 33.82E–.02 4–6 4.3b,3.5s 313 0-92
MOS X 05 10 25 26.7–1.3 39.33N 33.80E 10 4.5b,3.5s **¶601784061**
ISCJB X 05 10 25 27.8–.31 39.40N–.01 33.77E–.02 9–2 4.2b,3.4s
IDC X 05 10 25 27.4–.63 39.36N 33.79E 0 4.1,4.1b
ISK X 05 10 25 27.9 39.37N 33.76E 5–0 4.5L,4.1b
DDA X 05 10 25 27.3 39.35N 33.80E 20 4.5L,4.1b
IASPE X 05 10 25 28.3–1.0 39.37N–.02 33.81E–.02 6–8 4.3b,3.5s
NEIC X 05 10 25 28.0–.00 39.37N 33.75E 5 4.5L,4.5L
ISC Event type fe.
MOS Error ellipse: s-maj=5.7km s-min=4.3km az=85.7.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.9km az=162.7.
IDC Error ellipse: s-maj=12.4km s-min=6.7km az=62.0.
ISK Event type ke.
DDA Event type ke.
IASPE Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=87.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
NEIC Event type fe. Felt at Ankara. After ISK.
ISC X 05 10 36 39.0–1.0 39.34N–.02 33.80E–.03 9–11 32 0-2
ISCJB X 05 10 36 38.9–.44 39.33N–.02 33.79E–.03 4–5 **¶602079102**
ISK X 05 10 36 38.5 39.32N 33.82E 9–0 2.6L
DDA X 05 10 36 39.2 39.41N 33.79E 3 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=30.3.
ISK Event type ke.
DDA Event type ke.
ISC X 05 11 01 12.9–.91 39.36N–.03 33.78E–.03 8–7 26 0-2
ISCJB X 05 11 01 12.9–.52 39.36N–.03 33.79E–.03 1–7 **¶602079108**
DDA X 05 11 01 12.3 39.37N 33.80E 7 2.7L
ISK X 05 11 01 13.5 39.33N 33.71E 4–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=142.3.
DDA Event type ke.
ISK Event type ke.
ISC X 05 11 05 46.2–.92 39.37N–.03 33.80E–.03 8–7 25 0-2
DDA X 05 11 05 45.8 39.34N 33.84E 7 2.6L **¶602079109**
ISK X 05 11 05 45.8 39.35N 33.80E 6–0 2.3L
ISCJB X 05 11 05 46.2–.46 39.36N–.03 33.80E–.03 3–6 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 05 11 17 07.1–.86 39.36N–.02 33.81E–.02 11–6 58 0-2
IASPE X 05 11 17 07.1–.91 39.36N–.03 33.82E–.03 10–6 **¶602079111**
DDA X 05 11 17 07.0 39.35N 33.80E 17 3.6L
ISK X 05 11 17 07.1 39.36N 33.81E 5–0 3.6L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=130.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
ISK Event type ke.
ISC X 05 12 24 47.0–1.1 40.36N–.03 39.99E–.03 6–10 21 0-2
ISCJB X 05 12 24 47.0–.50 40.34N–.03 40.02E–.05 7–6 **¶602079115**
ISK X 05 12 24 46.6 40.35N 40.01E 7–0 2.6L
DDA X 05 12 24 47.3 40.35N 39.97E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=6.3.
ISK Event type ke.
DDA Event type ke.
ISC X 05 12 47 00.4–1.5 37.51N–.07 42.68E–.05 3–12 22 0-2
ISN X 05 12 46 58.8–1.7 37.44N 42.78E 0–5 3.3L **¶601997143**
ISK X 05 12 46 59.9 37.52N 42.67E 5–0 3.1L
DDA X 05 12 47 00.4 37.46N 42.67E 5 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=9.0km s-min=10.7km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC X 05 12 58 10.4–.94 39.12N–.02 29.13E–.02 7–8 109 0-7
DDA X 05 12 58 09.9 39.12N 29.15E 7 3.8L **¶602079117**
ISK X 05 12 58 09.9 39.12N 29.15E 3–0 3.7L
ISCJB X 05 12 58 10.2–.36 39.12N–.02 29.12E–.02 5–3 3.7L
THE X 05 12 58 10.9 39.15N 29.17E 5–1 3.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=36.5.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=49.0.
ISC X 05 13 19 41.0–1.2 39.00N–.02 29.91E–.03 6–11 36 1-2
DDA X 05 13 19 39.5 39.09N 29.86E 7 2.8L **¶602079119**
ISK X 05 13 19 40.4 38.96N 29.95E 5–0 2.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 05 13 45 35.8–.97 38.98N–.05 29.11E–.04 14–7 23 0-2
DDA X 05 13 45 36.0 39.12N 29.14E 7 2.7L **¶602079121**
ISK X 05 13 45 36.7 39.13N 29.18E 5–0 2.5L
ISCJB X 05 13 45 37.0–.47 39.06N–.06 29.14E–.04 5–6 2.5L
ISC Event type ke.

DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 05 13 50 16.5–.90 39.35N–.02 33.81E–.02 8–7 46 0-2
IASPE X 05 13 50 16.6–.94 39.34N–.03 33.80E–.03 8–7 ¶602079122
ISK X 05 13 50 16.2 39.34N 33.81E 5–0 3.9L
DDA X 05 13 50 16.8 39.31N 33.83E 18 3.7L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=125.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISK Event type ke.
DDA Event type ke.
ISC X 05 15 06 34.8–.92 37.79N–.03 29.08E–.03 8–7 26 0-2
ISCJB X 05 15 06 34.7–.46 37.78N–.03 29.07E–.03 9–4 ¶602079127
ISK X 05 15 06 34.4 37.77N 29.10E 6–0 2.1L
DDA X 05 15 06 34.5 37.79N 29.08E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=30.9.
ISK Event type ke.
DDA Event type ke.
ISC X 05 16 09 06.2–1.1 38.66N–.03 43.17E–.03 11–9 19 0-1
ISK X 05 16 09 05.3 38.65N 43.17E 13–1 1.9L ¶602079133
ISCJB X 05 16 09 06.2–.51 38.66N–.04 43.17E–.03 14–5 1.9L
DDA X 05 16 09 06.6 38.69N 43.21E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=170.1.
DDA Event type ke.
ISC X 05 16 46 26.6–.92 39.35N–.03 33.81E–.03 10–7 23 0-1
ISK X 05 16 46 25.9 39.35N 33.81E 11–0 2.0L ¶602079134
ISCJB X 05 16 46 26.5–.47 39.36N–.03 33.81E–.04 5–7 2.0L
DDA X 05 16 46 26.8 39.32N 33.84E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=27.2.
DDA Event type ke.
ISC X 05 18 08 55.0–1.0 37.47N–.04 42.66E–.02 7–9 40 0-3
ISN X 05 18 08 52.4–.82 37.47N 42.69E 0–2 3.0L ¶601997183
DDA X 05 18 08 54.8 37.50N 42.66E 6 3.1L
ISK X 05 18 08 54.5 37.45N 42.65E 8–0 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC X 05 18 13 52.3–.83 40.05N–.02 26.03E–.02 15–6 60 0-2
ATH X 05 18 13 51.9 40.06N 26.01E 29–2 1.9L ¶602079138
ISCJB X 05 18 13 52.1–.35 40.05N–.02 26.03E–.03 9–3 1.9L
THE X 05 18 13 52.9 40.05N 25.98E 16–1 1.8L
DDA X 05 18 13 52.8 40.01N 26.16E 8 2.8L
ISK X 05 18 13 52.1 40.06N 26.05E 10–0 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=91.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=163.6.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=262.0.
DDA Event type ke.
ISK Event type ke.
ISC X 05 20 57 23.8–.98 37.33N–.03 37.16E–.03 9–8 23 0-2
DDA X 05 20 57 23.8 37.40N 37.20E 7 2.5L ¶602079148
ISK X 05 20 57 23.3 37.32N 37.15E 6–0 1.7L
ISCJB X 05 20 57 24.0–.54 37.29N–.04 37.12E–.05 6–6 1.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 06 01 53 34.4–1.1 38.68N–.03 43.18E–.03 17–11 21 0-1
ISK X 06 01 53 33.2 38.66N 43.19E 22–0 2.3L ¶602079165
ISCJB X 06 01 53 34.5–.72 38.68N–.03 43.19E–.05 23–8 2.3L
DDA X 06 01 53 34.5 38.67N 43.19E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=26.2.
DDA Event type ke.
ISC X 06 13 03 06.3–.94 37.52N–.03 38.81E–.03 9–7 26 0-2
ISK X 06 13 03 05.9 37.52N 38.82E 8–0 2.5L ¶602079185
ISCJB X 06 13 03 06.4–.67 37.53N–.03 38.81E–.03 3–7 2.5L
DDA X 06 13 03 06.3 37.52N 38.79E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=145.2.
DDA Event type ke.
ISC X 06 13 15 23.1–1.2 37.89N–.03 29.11E–.07 13–8 17 0-2
DDA X 06 13 15 23.6 37.91N 29.06E 7 2.6L ¶602079186
ISK X 06 13 15 23.6 37.89N 29.05E 4–0 2.0L
ISCJB X 06 13 15 24.1–.70 37.90N–.03 29.04E–.06 6–7 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 06 14 45 03.7–1.0 37.38N–.03 38.57E–.02 6–9 29 0-2
ISCJB X 06 14 45 03.7–.62 37.40N–.03 38.57E–.03 2–6 ¶602079192
DDA X 06 14 45 03.5 37.40N 38.56E 7 3.3L
ISK X 06 14 45 03.3 37.37N 38.59E 8–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=166.9.
DDA Event type ke.
ISK Event type ke.
DDA X 06 16 35 37.7 40.62N 41.82E 7 1.6L
¶603001266
DDA Event type ke.
ISC X 06 16 39 21.2–.94 39.37N–.02 33.13E–.02 6–8 55 0-3
ISCJB X 06 16 39 20.8–.43 39.36N–.02 33.14E–.03 3–4 ¶602079203
ISK X 06 16 39 20.4 39.37N 33.15E 6–0 3.1L
DDA X 06 16 39 21.1 39.39N 33.02E 7 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=31.5.
ISK Event type ke.
DDA Event type ke.
ISC X 06 20 04 33.1–1.0 37.49N–.03 42.67E–.02 7–9 47 0-3
ISN X 06 20 04 30.0–.94 37.45N 42.79E 0–3 3.5L ¶601997309
ISCJB X 06 20 04 33.0–.55 37.47N–.04 42.67E–.02 1–4 3.5L
ISK X 06 20 04 32.7 37.49N 42.67E 6–0 3.1L
DDA X 06 20 04 32.9 37.48N 42.66E 15 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=5.0km s-min=5.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.1km az=1.2.
ISK Event type ke.
DDA Event type ke.
ISC X 06 22 16 58.3–.96 37.31N–.03 37.16E–.03 9–8 22 0-2
ISK X 06 22 16 57.8 37.31N 37.12E 7–0 1.9L ¶602079207
ISCJB X 06 22 16 58.2–.53 37.29N–.04 37.12E–.05 9–6 1.9L
DDA X 06 22 16 58.4 37.31N 37.20E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=135.4.
DDA Event type ke.
ISC X 07 04 21 11.0–.94 37.31N–.03 37.22E–.04 12–8 33 0-3
ISK X 07 04 21 10.7 37.31N 37.12E 7–0 2.9L ¶602079224
ISCJB X 07 04 21 11.4–.67 37.28N–.03 37.12E–.03 8–5 2.9L
DDA X 07 04 21 16.8 37.57N 37.49E 7 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=158.4.
DDA Event type ke.
ISC X 07 04 33 04.9–.96 37.34N–.03 37.14E–.03 10–8 18 0-1
ISK X 07 04 33 04.6 37.32N 37.10E 7–0 2.1L ¶602079225
ISCJB X 07 04 33 05.1–.63 37.34N–.04 37.13E–.05 4–8 2.1L
DDA X 07 04 33 05.4 37.34N 37.13E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=41.9.
DDA Event type ke.
ISC X 07 06 02 09.9–1.1 37.36N–.03 37.20E–.03 5–11 20 0-2
ISK X 07 06 02 08.9 37.35N 37.17E 5–0 1.8L ¶602079228
ISCJB X 07 06 02 09.9–.73 37.33N–.03 37.15E–.04 1–7 1.8L
DDA X 07 06 02 12.2 37.33N 37.28E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=38.7.
DDA Event type ke.
ISC X 07 09 28 53.8–1.1 37.62N–.04 36.30E–.03 4–8 19 0-2
ISK X 07 09 28 52.0 37.65N 36.29E 5–0 2.4L ¶602079232
DDA X 07 09 28 54.3 37.69N 36.37E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 07 17 15 29.0–.90 39.19N–.03 41.24E–.03 13–7 23 0-2
ISK X 07 17 15 28.2 39.19N 41.23E 10–0 2.0L ¶602079250
ISCJB X 07 17 15 29.0–.47 39.19N–.03 41.22E–.03 11–5 2.0L
DDA X 07 17 15 29.3 39.21N 41.24E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=5.9.
DDA Event type ke.
ISK X 07 19 36 26.7 37.75N 43.64E 5–0 2.8L
ISN X 07 19 36 24.7–.41 37.80N 43.46E 60 2.7L ¶601997410
ISK Event type ke.
ISN Error ellipse: s-maj=6.3km s-min=2.5km az=-1.0.
ISC X 07 20 56 01.4–1.1 39.96N–.03 33.19E–.03 7–11 35 0-2
ISCJB X 07 20 56 01.4–.47 39.97N–.02 33.19E–.03 3–5 ¶602079257
DDA X 07 20 56 01.0 39.97N 33.20E 7 2.8L
ISK X 07 20 56 01.3 39.96N 33.17E 6–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=29.1.
DDA Event type ke.
ISK Event type ke.
ISC X 07 21 54 46.8–.91 37.32N–.03 37.11E–.03 13–7 23 0-2
DDA X 07 21 54 47.0 37.33N 37.12E 18 2.9L ¶602079259
ISK X 07 21 54 46.7 37.33N 37.11E 7–0 1.9L
ISCJB X 07 21 54 47.0–.52 37.30N–.04 37.09E–.04 8–6 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 07 22 27 36.1–1.1 37.79N–.03 38.40E–.03 10–9 28 0-2
DDA X 07 22 27 35.6 37.81N 38.30E 7 2.6L ¶602079260
ISCJB X 07 22 27 36.6–.53 37.80N–.02 38.36E–.03 6–5 2.6L
ISK X 07 22 27 36.7 37.77N 38.37E 10–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=147.7.
ISK Event type ke.
ISC X 08 10 49 06.0–1.2 40.56N–.03 35.20E–.03 9–11 39 0-3
ISK X 08 10 49 05.2 40.58N 35.20E 5–0 3.5L ¶602079289
ISCJB X 08 10 49 06.6–.50 40.57N–.02 35.20E–.03 5–5 3.5L
DDA X 08 10 49 06.1 40.54N 35.22E 7 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=148.7.
DDA Event type ke.
ISC X 08 12 29 08.7–.94 37.31N–.03 37.13E–.02 9–7 46 0-3
ISCJB X 08 12 29 08.6–.51 37.29N–.02 37.12E–.03 5–4 ¶602079295
DDA X 08 12 29 08.8 37.28N 37.13E 17 3.6L
ISK X 08 12 29 08.1 37.33N 37.12E 7–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=15.3.
DDA Event type ke.
ISK Event type ke.
ISC X 08 12 53 53.2–.99 37.32N–.04 37.14E–.04 9–8 22 0-2
ISK X 08 12 53 52.6 37.33N 37.13E 8–0 1.8L ¶602079300
ISCJB X 08 12 53 53.3–.55 37.32N–.03 37.13E–.04 6–5 1.8L
DDA X 08 12 53 53.7 37.33N 37.11E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=136.8.
DDA Event type ke.
ISC X 08 16 02 38.5–.96 39.08N–.05 29.13E–.04 10–9 18 0-2
ISCJB X 08 16 02 38.6–.48 39.05N–.04 29.13E–.04 8–7 ¶602079316
DDA X 08 16 02 38.2 39.10N 29.15E 7 2.5L
ISK X 08 16 02 38.3 39.05N 29.12E 6–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.5km az=152.9.
DDA Event type ke.
ISK Event type ke.
ISK X 09 00 39 50.1 39.35N 33.77E 11–0 2.1L
DDA X 09 00 39 50.6 39.31N 33.85E 7 2.2L ¶602079323
ISK Event type ke.
DDA Event type ke.
ISC X 09 09 36 12.3–.92 37.10N–.03 34.66E–.02 14–8 34 0-2
ISK X 09 09 36 09.8 37.21N 34.59E 10–0 2.9L ¶602079347
ISCJB X 09 09 36 11.7–.48 37.06N–.03 34.68E–.03 5–5 2.9L
DDA X 09 09 36 11.7 37.08N 34.69E 7 3.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=147.9.
DDA Event type ke.
ISC X 09 12 51 40.9–.94 39.32N–.03 38.49E–.03 8–6 25 0-3
IASPE X 09 12 51 40.6–1.1 39.33N–.03 38.51E–.03 7–7 ¶602079351
ISK X 09 12 51 40.6 39.32N 38.50E 3–0 2.6L
DDA X 09 12 51 40.5 39.34N 38.51E 3 2.7L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=6.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISK Event type ke.
DDA Event type ke.
ISC X 09 15 28 50.8–1.5 37.25N–.06 42.57E–.03 5–11 25 0-3
ISN X 09 15 28 48.3–.73 37.25N 42.56E 0–3 2.8L ¶601997672
DDA X 09 15 28 50.3 37.19N 42.63E 18 2.8L
ISK X 09 15 28 53.6 37.45N 42.46E 5–0 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=5.1km s-min=4.7km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC X 09 16 34 05.5–1.2 40.97N–.05 26.52E–.08 14 10 0-1
DDA X 09 16 34 04.2 41.03N 26.46E 7 2.6L ¶602079355
ISCJB X 09 16 34 05.6–.98 40.95N–.04 26.49E–.09 14 2.6L
ISK X 09 16 34 05.2 40.92N 26.51E 19–2 1.4L
ISC Event type ke.

DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.7km az=171.9.
ISK Event type ke.
ISC X 09 20 22 29.3–.91 39.40N–.03 27.93E–.02 12–7 24 0-1
ISK X 09 20 22 28.7 39.38N 27.95E 7–0 1.6L **¶602079358**
ISCJB X 09 20 22 29.2–.47 39.39N–.03 27.93E–.03 9–5 1.6L
DDA X 09 20 22 29.3 39.41N 27.93E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=172.3.
DDA Event type ke.
ISC X 09 23 25 19.5–1.3 37.50N–.06 42.68E–.03 2–11 23 0-2
ISK X 09 23 25 18.6 37.53N 42.67E 2–0 1.9L **¶601997699**
ISCJB X 09 23 25 19.2–.81 37.47N–.06 42.70E–.03 1–5 1.9L
DDA X 09 23 25 19.2 37.47N 42.68E 7 2.6L
ISN X 09 23 25 22.3–.30 37.19N 42.57E 0 2.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.4km az=179.8.
DDA Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
ISC X 10 05 29 11.3–.82 39.37N–.02 26.09E–.03 15–6 51 0-2
ISCJB X 10 05 29 11.6–.40 39.37N–.02 26.09E–.04 9–4 **¶602079368**
DDA X 10 05 29 11.4 39.36N 26.10E 7 2.8L
ATH X 10 05 29 11.2 39.36N 26.11E 17–3 2.0L
THE X 10 05 29 11.9 39.36N 26.08E 7–1 1.9L
ISK X 10 05 29 11.3 39.38N 25.99E 18–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=169.5.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=137.0. Analyst: Agalos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=169.0.
ISK Event type ke.
ISC X 10 05 43 37.9–.82 40.58N–.02 29.04E–.02 17–6 73 0-2
ISCJB X 10 05 43 37.9–.30 40.60N–.02 29.02E–.02 6–3 **¶602079369**
DDA X 10 05 43 37.2 40.57N 29.02E 7 3.5L
ISK X 10 05 43 37.6 40.58N 29.02E 5–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=10.8.
DDA Event type ke.
ISK Event type ke.
ISC X 10 06 08 02.8–1.0 37.34N–.04 37.15E–.04 8–10 13 0-1
ISCJB X 10 06 08 03.0–.61 37.32N–.04 37.11E–.07 6–9 **¶602079370**
ISK X 10 06 08 02.4 37.34N 37.15E 5–0 1.8L
DDA X 10 06 08 03.0 37.33N 37.13E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.7km az=144.8.
ISK Event type ke.
DDA Event type ke.
ISC X 10 06 56 05.9–.98 39.38N–.05 27.90E–.04 15–7 14 0-1
ISCJB X 10 06 56 06.0–.67 39.39N–.05 27.92E–.04 12–4 **¶602079372**
DDA X 10 06 56 05.6 39.44N 27.91E 7 2.6L
ISK X 10 06 56 06.4 39.43N 27.95E 15–0 1.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=174.3.
DDA Event type ke.
ISK Event type ke.
ISC X 10 12 09 28.5–1.0 38.11N–.03 38.23E–.03 12–9 22 0-2
DDA X 10 12 09 28.6 38.13N 38.23E 7 2.7L **¶602079388**
ISK X 10 12 09 28.5 38.09N 38.27E 20–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 10 12 36 36.9–.90 37.55N–.03 27.61E–.03 15–7 31 0-1
ISK X 10 12 36 36.7 37.55N 27.56E 5–0 1.9L **¶602079390**
ISCJB X 10 12 36 37.1–.42 37.54N–.02 27.61E–.04 8–5 1.9L
DDA X 10 12 36 37.1 37.55N 27.57E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=148.4.
DDA Event type ke.
ISC X 10 16 48 58.3–.97 39.12N–.02 29.18E–.02 7–8 123 0-9
ISCJB X 10 16 48 57.8–.47 39.12N–.01 29.16E–.02 1–4 **¶602079400**
DDA X 10 16 48 57.1 39.10N 29.16E 7 3.6L
THE X 10 16 48 58.4 39.15N 29.23E 1–0 3.4L
ISK X 10 16 48 58.1 39.13N 29.20E 3–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=176.1.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=43.0.
ISK Event type ke.
ISC X 10 16 53 30.1–.93 39.13N–.02 29.19E–.02 9–8 100 0-8
DDA X 10 16 53 29.2 39.10N 29.15E 7 3.5L **¶602079401**
ISCJB X 10 16 53 30.1–.47 39.13N–.02 29.17E–.02 2–4 3.5L
ISK X 10 16 53 30.1 39.13N 29.21E 3–0 3.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=44.6.
ISK Event type ke.
ISC X 11 01 34 12.1–.97 39.08N–.03 29.16E–.03 9–8 32 0-2
ISCJB X 11 01 34 11.9–.50 39.09N–.03 29.15E–.03 2–5 **¶602079465**
ISK X 11 01 34 11.8 39.09N 29.17E 5–0 2.1L
DDA X 11 01 34 11.3 39.08N 29.16E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=140.8.
ISK Event type ke.
DDA Event type ke.
ISC X 11 06 55 47.8–.91 39.12N–.04 29.13E–.03 13–8 20 0-2
DDA X 11 06 55 47.4 39.13N 29.11E 7 2.6L **¶602079475**
ISCJB X 11 06 55 48.1–.51 39.09N–.04 29.15E–.04 13–4 2.6L
ISK X 11 06 55 48.2 39.13N 29.21E 10–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=151.7.
ISK Event type ke.
ISC X 11 08 05 29.4–1.4 38.14N–.06 27.12E–.04 15–9 15 0-1
ISK X 11 08 05 28.8 38.21N 27.17E 23–0 1.8L **¶602079477**
DDA X 11 08 05 29.6 38.12N 27.08E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 11 08 06 15.3–.98 39.07N–.04 27.15E–.03 13–9 28 0-2
ISK X 11 08 06 14.8 39.05N 27.16E 14–0 2.0L **¶602079480**
ISCJB X 11 08 06 15.3–.41 39.07N–.03 27.13E–.03 9–4 2.0L
DDA X 11 08 06 15.4 39.09N 27.14E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=177.6.
DDA Event type ke.
ISC X 11 10 43 17.7–.91 37.48N–.03 35.69E–.02 10–7 34 0-2
ISCJB X 11 10 43 17.9–.45 37.48N–.03 35.70E–.03 5–4 **¶602079488**
DDA X 11 10 43 17.1 37.53N 35.65E 7 3.5L
ISK X 11 10 43 17.6 37.49N 35.69E 5–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=156.6.
DDA Event type ke.
ISK Event type ke.
ISC X 11 11 03 58.6–.84 40.45N–.02 27.29E–.02 12–6 35 0-1
ISCJB X 11 11 03 58.8–.34 40.46N–.02 27.28E–.03 10–3 **¶602079489**
ISK X 11 11 03 58.1 40.46N 27.29E 12–0 2.2L
DDA X 11 11 03 58.5 40.43N 27.26E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=11.7.
ISK Event type ke.
DDA Event type ke.
ISC X 11 12 47 40.4–1.0 39.06N–.04 29.21E–.03 14–7 21 0-2
DDA X 11 12 47 40.5 39.10N 29.17E 7 2.7L **¶602079495**
ISK X 11 12 47 40.9 39.08N 29.30E 5–0 2.1L
ISCJB X 11 12 47 41.0–.52 39.06N–.04 29.19E–.04 9–4 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 11 14 08 29.4–1.0 39.36N–.03 33.81E–.03 6–9 22 0-1
DDA X 11 14 08 28.7 39.35N 33.82E 7 2.7L **¶602079499**
ISK X 11 14 08 28.8 39.33N 33.76E 9–0 2.3L
ISCJB X 11 14 08 29.1–.45 39.35N–.03 33.79E–.04 5–7 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 11 16 13 54.2–.95 37.30N–.04 37.17E–.04 11–8 18 0-1
DDA X 11 16 13 53.3 37.22N 37.15E 7 2.5L **¶602079507**
ISK X 11 16 13 53.7 37.33N 37.16E 9–0 1.6L
ISCJB X 11 16 13 54.4–.58 37.29N–.04 37.16E–.05 5–7 1.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 11 16 22 17.2–1.1 38.96N–.05 43.56E–.05 12–6 14 0-1
DDA X 11 16 22 17.6 39.00N 43.52E 11 2.5L **¶603001521**
ISCJB X 11 16 22 18.2–.63 38.98N–.03 43.58E–.05 15–6 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 11 16 55 21.4–.00 38.75N–.04 43.51E–.05 24–8 18 0-1
ISCJB X 11 16 55 21.3–.77 38.71N–.04 43.57E–.07 27–5 **¶602079508**
DDA X 11 16 55 21.1 38.68N 43.54E 7 2.6L
ISK X 11 16 55 21.3 38.74N 43.44E 14–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.7km az=33.8.
DDA Event type ke.
ISK Event type ke.
ISC X 11 21 03 46.7–.94 37.32N–.03 37.14E–.03 16–8 19 0-2
DDA X 11 21 03 46.3 37.29N 37.13E 7 2.6L **¶602079515**
ISK X 11 21 03 46.9 37.32N 37.12E 7–0 1.8L
ISCJB X 11 21 03 47.2–.52 37.30N–.04 37.10E–.05 8–6 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 12 11 52 03.7–1.2 37.54N–.05 35.68E–.04 10–10 21 0-2
ISK X 12 11 52 02.9 37.56N 35.68E 4–0 2.1L **¶602079546**
DDA X 12 11 52 03.8 37.52N 35.66E 7 2.7L
ISCJB X 12 11 52 04.2–.55 37.52N–.04 35.70E–.04 5–6 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 12 12 12 58.4–1.1 38.21N–.04 37.30E–.05 11–9 12 0-1
ISK X 12 12 12 55.8 38.31N 36.98E 5–0 1.9L **¶602079548**
DDA X 12 12 12 57.6 38.15N 37.30E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 12 17 21 22.7–1.1 38.71N–.04 43.52E–.05 17–8 20 0-1
ISCJB X 12 17 21 22.8–.75 38.69N–.04 43.55E–.06 24–5 **¶602079560**
ISK X 12 17 21 22.6 38.72N 43.44E 15–0 2.3L
DDA X 12 17 21 22.1 38.70N 43.56E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=26.1.
ISK Event type ke.
DDA Event type ke.
ISC X 12 18 04 51.3–1.3 38.68N–.03 43.08E–.03 3–12 18 0-1
ISK X 12 18 04 50.4 38.68N 43.11E 4–0 2.3L **¶602079561**
DDA X 12 18 04 51.7 38.65N 43.10E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 12 18 30 16.7–1.0 38.67N–.04 43.10E–.04 13–12 16 0-1
ISK X 12 18 30 15.8 38.67N 43.11E 13–1 2.1L **¶602079564**
ISCJB X 12 18 30 16.6–.57 38.67N–.04 43.11E–.04 15–6 2.1L
DDA X 12 18 30 17.2 38.67N 43.14E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=17.7.
DDA Event type ke.
ISC X 12 19 29 43.5–1.0 38.72N–.04 43.38E–.05 31–7 17 0-2
ISK X 12 19 29 43.9 38.76N 43.29E 7–0 2.5L **¶602079568**
DDA X 12 19 29 44.3 38.76N 43.26E 7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 12 20 45 25.9–1.2 40.35N–.03 42.27E–.04 0–13 21 0-2
DDA X 12 20 45 25.5 40.35N 42.26E 7 2.8L **¶602079569**
ISK X 12 20 45 25.8 40.33N 42.33E 8–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 13 01 55 10.0–1.1 39.79N–.03 43.63E–.03 4–10 30 0-2
DDA X 13 01 55 09.9 39.80N 43.63E 7 2.7L **¶602079585**
ISK X 13 01 55 09.2 39.78N 43.61E 3–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 13 05 40 56.7–1.7 37.40N–.09 42.66E–.05 2–13 16 0-3
ISN X 13 05 40 50.3–1.2 37.43N 42.62E 0–6 3.0L **¶601998085**
ISK X 13 05 40 54.7 37.33N 42.66E 5–0 2.7L
DDA X 13 05 40 57.9 37.57N 42.73E 7 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=8.5km s-min=4.2km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC X 13 06 23 14.3–.97 40.62N–.03 34.90E–.04 13–7 19 0-2
ISK X 13 06 23 13.4 40.63N 34.87E 5–0 2.3L **¶602079589**
ISCJB X 13 06 23 14.4–.63 40.63N–.03 34.90E–.06 10–4 2.3L
DDA X 13 06 23 15.2 40.56N 34.81E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=167.0.
DDA Event type ke.
ISK X 13 08 43 52.6 40.22N 29.97E 10–0 1.5L
¶602079596
ISK Event type ke.
ISC X 13 15 24 59.7–.98 38.46N–.04 28.48E–.05 9–7 16 0-1
ISK X 13 15 24 59.7 38.37N 28.58E 8–0 2.1L **¶602079621**
DDA X 13 15 24 59.7 38.48N 28.46E 4 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 13 17 00 28.2–1.0 38.72N–.04 43.55E–.05 12–8 26 0-2

ISK X 13 17 00 27.2 38.73N 43.48E 5–1 2.4L ¶602079624
DDA X 13 17 00 27.4 38.72N 43.56E 7 2.7L
ISCJB X 13 17 00 28.1–.78 38.71N–.03 43.58E–.06 6–5 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 14 22 35 06.6–.96 37.35N–.03 37.13E–.03 9–8 24 0-2
ISCJB X 14 22 35 06.6–.57 37.33N–.03 37.12E–.03 5–6 ¶602079679
DDA X 14 22 35 06.4 37.33N 37.14E 7 2.6L
ISK X 14 22 35 06.1 37.35N 37.12E 8–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=32.9.
DDA Event type ke.
ISK Event type ke.
ISC X 15 02 02 04.9–.88 39.37N–.02 26.12E–.02 15–7 36 0-2
DDA X 15 02 02 04.7 39.37N 26.12E 23 2.8L ¶603001644
ISCJB X 15 02 02 05.3–.50 39.36N–.02 26.10E–.03 5–4 2.8L
ATH X 15 02 02 05.3 39.37N 26.10E 10–3 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=7.2.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=139.0. Analyst: F.Halaris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 15 11 48 09.2–1.2 37.32N–.03 37.19E–.03 5–10 27 0-2
ISK X 15 11 48 08.5 37.33N 37.17E 7–0 2.2L ¶602079705
DDA X 15 11 48 09.6 37.31N 37.19E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 15 17 50 20.2–1.1 37.30N–.05 37.14E–.05 9–9 16 0-3
ISK X 15 17 50 19.5 37.31N 37.16E 9–0 2.0L ¶602079721
ISCJB X 15 17 50 20.3–.58 37.27N–.06 37.18E–.05 8–7 2.0L
DDA X 15 17 50 20.5 37.29N 37.20E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.3km az=9.3.
DDA Event type ke.
ISK X 16 00 35 37.6 37.14N 28.90E 8–0 1.7L
¶602079742
ISK Event type ke.
ISC X 16 01 16 04.3–.55 37.28N–.02 37.10E–.02 9–3 4.3b,3.5s 459 0-98
ISK X 16 01 16 02.8 37.31N 37.11E 10–0 4.6L,3.5s ¶601835764
NEIC X 16 01 16 02.7–.00 37.00N 37.11E 9 4.6L,4.5b
IDC X 16 01 16 02.7–.55 37.32N 37.11E 0 4.2,4.1
BJI X 16 01 16 02.6 37.30N 37.10E 6 4.5b,4.2s
ISCJB X 16 01 16 03.2–.39 37.31N–.01 37.11E–.01 13–2 4.3b,3.5s
MOS X 16 01 16 03.5–1.2 37.45N 37.14E 10 4.5b,3.5s
DSN X 16 01 16 16.1–.27 37.49N 37.62E 112 4.6b,3.5s
DDA X 16 01 16 18.2 37.28N 37.15E 13 4.6L,3.5s
GII X 16 01 16 31.2–.00 35.42N 35.13E 1 4.6L,3.5s
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=9.8km s-min=8.5km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=174.5.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=102.4.
DSN Error ellipse: s-maj=12.1km s-min=3.1km az=43.0.
DDA Event type ke.
GII Event type ke.
ISC X 16 01 41 29.4–1.1 37.31N–.03 37.13E–.03 6–9 21 0-2
ISK X 16 01 41 28.8 37.32N 37.13E 6–0 2.0L ¶602079758
DDA X 16 01 41 29.6 37.28N 37.18E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 16 01 43 43.8–1.0 37.29N–.04 37.11E–.03 10–7 19 0-2
ISK X 16 01 43 43.2 37.31N 37.11E 5–0 1.6L ¶602079762
DDA X 16 01 43 43.5 37.25N 37.11E 3 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 16 01 46 45.9–.97 37.32N–.04 37.13E–.04 11–7 16 0-1
ISK X 16 01 46 45.4 37.31N 37.10E 11–0 1.4L ¶603001683
ISCJB X 16 01 46 46.1–.59 37.30N–.04 37.11E–.05 8–6 1.4L
DDA X 16 01 46 46.4 37.35N 37.12E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=42.7.
DDA Event type ke.
ISC X 16 02 04 20.1–.98 37.28N–.03 37.08E–.05 8–9 18 0-2
DDA X 16 02 04 12.7 37.37N 37.71E 7 2.5L ¶602079768
ISK X 16 02 04 19.5 37.29N 37.09E 5–0 1.9L
ISCJB X 16 02 04 20.3–.64 37.30N–.04 37.12E–.06 4–8 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 16 02 22 54.1–.95 37.30N–.04 37.13E–.04 11–7 18 0-1
ISK X 16 02 22 53.4 37.34N 37.16E 11–0 1.7L ¶602079771
ISCJB X 16 02 22 54.4–.56 37.30N–.04 37.10E–.05 7–7 1.7L
DDA X 16 02 22 54.2 37.30N 37.12E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.5km az=42.0.
DDA Event type ke.
ISC X 16 02 33 20.9–.97 37.31N–.03 37.13E–.02 10–8 37 0-3
ISCJB X 16 02 33 20.8–.54 37.30N–.03 37.10E–.03 9–5 ¶602079774
DDA X 16 02 33 20.9 37.29N 37.11E 7 3.5L
ISK X 16 02 33 20.1 37.33N 37.12E 12–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=35.1.
DDA Event type ke.
ISK Event type ke.
ISC X 16 02 38 10.2–.95 37.32N–.03 37.15E–.02 10–7 29 0-2
ISK X 16 02 38 09.6 37.33N 37.15E 10–0 2.7L ¶602079776
ISCJB X 16 02 38 10.4–.57 37.31N–.03 37.13E–.03 5–5 2.7L
DDA X 16 02 38 10.4 37.29N 37.16E 7 3.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=27.5.
DDA Event type ke.
ISC X 16 02 40 58.0–.99 37.32N–.04 37.16E–.04 11–7 17 0-2
ISK X 16 02 40 57.5 37.30N 37.12E 13–0 1.9L ¶602079780
DDA X 16 02 40 57.9 37.34N 37.23E 7 2.7L
ISCJB X 16 02 40 58.1–.57 37.32N–.04 37.13E–.05 12–5 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 16 02 53 14.7–.94 37.29N–.05 37.06E–.05 14–7 15 0-1
ISK X 16 02 53 12.1 37.18N 36.93E 20–1 1.5L ¶602079781
ISCJB X 16 02 53 15.0–.68 37.38N–.05 37.17E–.06 9–6 1.5L
DDA X 16 02 53 15.3 37.42N 37.27E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.0km az=40.0.
DDA Event type ke.
ISC X 16 03 00 06.5–.98 37.30N–.03 37.12E–.04 10–8 17 0-2
ISK X 16 03 00 05.8 37.28N 37.09E 12–0 1.8L ¶602079783
ISCJB X 16 03 00 06.7–.62 37.31N–.04 37.17E–.05 6–7 1.8L
DDA X 16 03 00 06.4 37.32N 37.21E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=143.4.
DDA Event type ke.
ISC X 16 04 02 56.0–.96 37.30N–.03 37.13E–.03 10–8 23 0-2
ISCJB X 16 04 02 56.0–.57 37.27N–.04 37.10E–.04 6–6 ¶602079792
ISK X 16 04 02 55.7 37.31N 37.11E 5–0 2.1L
DDA X 16 04 02 55.8 37.28N 37.12E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=35.9.
ISK Event type ke.
DDA Event type ke.
ISC X 16 04 24 11.0–.98 37.32N–.04 37.15E–.03 9–8 22 0-1
ISK X 16 04 24 09.9 37.35N 37.20E 11–0 2.0L ¶602079793
ISCJB X 16 04 24 11.6–.59 37.30N–.04 37.11E–.04 6–6 2.0L
DDA X 16 04 24 11.5 37.30N 37.14E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=32.4.
DDA Event type ke.
ISC X 16 04 54 30.3–.94 37.28N–.04 37.09E–.03 10–7 22 0-2
ISK X 16 04 54 29.7 37.31N 37.11E 9–1 1.8L ¶602079796
DDA X 16 04 54 29.4 37.15N 37.08E 7 2.6L
ISCJB X 16 04 54 30.5–.54 37.28N–.04 37.12E–.04 7–6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 16 06 48 13.8–.90 37.29N–.03 37.12E–.03 13–7 22 0-1
DDA X 16 06 48 13.9 37.30N 37.13E 7 2.5 ¶602079800
ISK X 16 06 48 13.1 37.31N 37.11E 15–0 2.0L
ISCJB X 16 06 48 14.1–.50 37.28N–.03 37.10E–.04 10–5 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 16 08 09 52.3–.93 37.31N–.03 37.13E–.03 11–8 32 0-3
ISK X 16 08 09 51.8 37.32N 37.11E 7–0 2.8L ¶602079803
ISCJB X 16 08 09 52.2–.50 37.31N–.03 37.11E–.03 8–5 2.8L
DDA X 16 08 09 52.2 37.31N 37.14E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=18.6.
DDA Event type ke.
ISC X 16 09 15 59.7–1.1 37.26N–.03 37.08E–.04 15–9 17 0-1
ISK X 16 09 15 59.1 37.28N 37.06E 16–0 1.7L ¶602079809
ISCJB X 16 09 16 00.5–.68 37.23N–.04 37.13E–.05 19–7 1.7L
DDA X 16 09 16 00.4 37.30N 37.18E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.5km az=146.6.
DDA Event type ke.
ISC X 16 10 25 05.8–.81 37.29N–.02 37.11E–.02 12–5 4.3b,3.1s 306 0-98
ISK X 16 10 25 04.5 37.31N 37.12E 11–0 4.5L,3.1s ¶601836455
IDC X 16 10 25 04.2–.60 37.30N 37.08E 0 4.1,4.0
MOS X 16 10 25 04.1–1.2 37.36N 37.13E 10 4.4b,4.0
NEIC X 16 10 25 04.7–.00 37.30N 37.14E 14 4.6b,4.5L
DDA X 16 10 25 05.0 37.27N 37.14E 29 4.6L,4.5L
ISCJB X 16 10 25 05.4–.42 37.30N–.01 37.12E–.02 15–3 4.2b,3.2s
GII X 16 10 25 09.1–.73 37.27N 37.16E 39 4.2b,3.2s
NIC X 16 10 25 10.9–.40 38.32N 35.52E 50 4.5b,4.1L
BJI X 16 10 25 17.9 37.50N 35.70E 27 4.9b,4.7b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=10.7km s-min=9.4km az=23.0.
MOS Error ellipse: s-maj=7.8km s-min=4.2km az=102.0.
NEIC Event type se. After ISK.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=158.4.
GII Event type ke.
ISC X 16 11 18 32.5–.98 37.33N–.03 37.12E–.03 9–8 20 0-1
ISK X 16 11 18 31.8 37.35N 37.15E 7–0 2.0L ¶602079823
ISCJB X 16 11 18 32.6–.62 37.30N–.04 37.12E–.04 5–8 2.0L
DDA X 16 11 18 32.8 37.32N 37.08E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=38.3.
DDA Event type ke.
ISC X 16 11 55 17.3–.95 37.29N–.03 37.14E–.02 8–8 39 0-3
ISK X 16 11 55 16.6 37.29N 37.11E 4–0 2.5L ¶602079832
ISCJB X 16 11 55 17.3–.54 37.28N–.03 37.12E–.03 4–5 2.5L
DDA X 16 11 55 17.0 37.28N 37.15E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=16.2.
DDA Event type ke.
ISC X 16 13 28 37.1–.96 37.30N–.03 37.15E–.03 12–7 27 0-2
ISK X 16 13 28 36.5 37.32N 37.12E 10–0 2.3L ¶602079840
DDA X 16 13 28 37.0 37.30N 37.19E 7 3.3L
ISCJB X 16 13 28 37.4–.54 37.29N–.03 37.13E–.03 9–5 3.3L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISK X 16 15 11 12.3 40.70N 34.00E 11–0 2.8L
¶602079849
ISK Event type ke.
ISC X 16 16 29 07.4–.89 40.00N–.02 27.88E–.02 15–7 32 0-2
ISK X 16 16 29 06.9 40.03N 27.89E 8–0 2.0L ¶602079856
ISCJB X 16 16 29 07.3–.38 40.03N–.02 27.90E–.03 9–4 2.0L
DDA X 16 16 29 07.2 40.02N 27.90E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=42.7.
DDA Event type ke.
ISC X 16 17 21 30.4–.95 37.29N–.04 37.13E–.03 12–7 23 0-2
ISK X 16 17 21 29.3 37.34N 37.14E 9–0 2.0L ¶602079859
ISCJB X 16 17 21 30.7–.57 37.26N–.05 37.11E–.03 9–6 2.0L
DDA X 16 17 21 31.0 37.29N 37.18E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.0km az=19.4.
DDA Event type ke.
ISC X 16 17 57 15.3–.97 37.29N–.04 37.12E–.03 11–7 20 0-2
DDA X 16 17 57 15.0 37.30N 37.12E 7 2.8L ¶602079861
ISK X 16 17 57 14.6 37.29N 37.13E 13–0 1.9L
ISCJB X 16 17 57 15.5–.59 37.27N–.05 37.09E–.04 11–6 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 16 20 11 41.7–1.0 37.27N–.04 37.13E–.03 14–8 18 0-2
ISK X 16 20 11 41.3 37.27N 37.14E 17–1 1.8L ¶602079864
DDA X 16 20 11 41.5 37.30N 37.15E 7 2.9L
ISCJB X 16 20 11 42.1–.63 37.29N–.05 37.13E–.04 11–7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 16 21 59 35.4–1.1 40.58N–.02 37.07E–.02 5–10 66 0-3

ISK X 16 21 59 34.4 40.56N 37.02E 5–0 3.3L ¶602079865
DDA X 16 21 59 34.7 40.59N 37.13E 8 3.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 16 22 20 59.4–1.1 37.26N–.03 37.11E–.03 17–10 31 0-2
ISK X 16 22 20 59.6 37.31N 37.12E 6–0 2.2L ¶602079869
ISCJB X 16 22 21 00.5–.56 37.28N–.04 37.10E–.03 8–6 2.2L
DDA X 16 22 21 00.2 37.24N 37.13E 37 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=18.3.
DDA Event type ke.
ISC X 17 00 05 37.2–1.0 37.31N–.04 37.11E–.03 10–9 19 0-2
ISCJB X 17 00 05 37.5–.60 37.27N–.07 37.11E–.04 10–7 ¶602079873
DDA X 17 00 05 37.1 37.32N 37.10E 7 3.0L
ISK X 17 00 05 37.2 37.28N 37.10E 8–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.5km az=17.0.
DDA Event type ke.
ISK Event type ke.
ISC X 17 00 27 05.2–1.1 37.30N–.04 37.10E–.04 8–9 17 0-2
ISK X 17 00 27 04.8 37.29N 37.09E 8–0 2.0L ¶602079875
ISCJB X 17 00 27 05.2–.70 37.29N–.04 37.09E–.04 6–6 2.0L
DDA X 17 00 27 05.1 37.33N 37.12E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=23.0.
DDA Event type ke.
ISC X 17 01 57 03.0–.93 37.28N–.03 37.14E–.03 14–7 31 0-3
ISK X 17 01 57 02.6 37.30N 37.11E 8–0 2.8L ¶602079876
ISCJB X 17 01 57 03.3–.56 37.27N–.04 37.12E–.03 9–5 2.8L
DDA X 17 01 57 03.1 37.26N 37.14E 25 3.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=0.5.
DDA Event type ke.
ISC X 17 01 58 08.8–1.1 37.32N–.05 37.13E–.04 8–10 17 0-2
ISK X 17 01 58 08.9 37.28N 37.16E 12–0 2.4L ¶602079877
ISCJB X 17 01 58 09.3–.62 37.30N–.05 37.13E–.04 10–6 2.4L
DDA X 17 01 58 09.2 37.27N 37.13E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.7km az=15.7.
DDA Event type ke.
ISC X 17 02 09 04.1–1.1 37.26N–.04 37.10E–.04 12–8 18 0-2
ISK X 17 02 09 03.8 37.26N 37.09E 11–0 2.0L ¶602079878
ISCJB X 17 02 09 04.1–.62 37.27N–.04 37.09E–.04 9–5 2.0L
DDA X 17 02 09 04.1 37.29N 37.14E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=3.4.
DDA Event type ke.
ISC X 17 02 20 45.2–.91 37.28N–.04 37.09E–.03 14–7 23 0-2
ISK X 17 02 20 44.5 37.24N 37.09E 14–0 2.0L ¶602079879
ISCJB X 17 02 20 45.2–.62 37.23N–.05 37.07E–.04 10–6 2.0L
DDA X 17 02 20 45.1 37.27N 37.13E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=19.4.
DDA Event type ke.
ISC X 17 02 21 43.5–1.0 37.29N–.03 37.12E–.03 8–8 24 0-2
ISCJB X 17 02 21 43.7–.56 37.26N–.04 37.11E–.03 8–5 ¶602079882
ISK X 17 02 21 43.3 37.25N 37.10E 8–0 2.0L
DDA X 17 02 21 43.2 37.28N 37.13E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=11.6.
ISK Event type ke.
DDA Event type ke.
ISC X 17 02 35 05.5–1.1 37.38N–.04 37.18E–.03 8–10 17 0-2
ISK X 17 02 35 04.3 37.36N 37.17E 13–0 1.9L ¶603001748
DDA X 17 02 35 08.6 37.33N 37.27E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 17 03 32 30.3–.94 37.30N–.02 37.13E–.02 9–8 75 0-4
DDA X 17 03 32 29.9 37.28N 37.12E 26 3.7L ¶602079885
ISK X 17 03 32 29.4 37.31N 37.15E 6–0 3.6L
ISCJB X 17 03 32 30.2–.49 37.27N–.03 37.13E–.02 10–4 3.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 17 03 58 21.1–.97 37.29N–.04 37.12E–.03 10–8 22 0-2
ISK X 17 03 58 20.6 37.30N 37.12E 10–0 2.0L ¶602079888
ISCJB X 17 03 58 21.5–.55 37.27N–.03 37.11E–.03 9–5 2.0L
DDA X 17 03 58 21.2 37.28N 37.13E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=22.0.
DDA Event type ke.
ISC X 17 09 47 40.4–1.1 37.32N–.05 37.06E–.05 9–10 12 0-1
DDA X 17 09 47 40.7 37.33N 37.04E 7 2.7L ¶603001759
ISC Event type ke.
DDA Event type ke.
ISC X 17 18 26 17.9–.95 37.29N–.03 37.12E–.03 11–7 37 0-3
DDA X 17 18 26 17.8 37.30N 37.15E 7 3.1L ¶602079923
ISK X 17 18 26 17.4 37.30N 37.11E 8–0 2.6L
ISCJB X 17 18 26 18.2–.53 37.27N–.03 37.11E–.03 7–5 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 17 21 17 20.6–.90 38.71N–.02 28.04E–.02 9–7 96 0-3
ISCJB X 17 21 17 20.3–.32 38.71N–.02 28.04E–.02 7–2 ¶602079929
DDA X 17 21 17 20.6 38.69N 28.04E 7 3.6L
ISK X 17 21 17 20.1 38.70N 28.04E 8–0 3.1L
ATH X 17 21 17 21.4 38.73N 28.04E 31–9 2.8L
THE X 17 21 17 22.9 38.66N 27.94E 9–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=25.9.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.3km s-min=1.7km az=73.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.7km az=68.0.
ISC X 18 02 58 01.0–.92 39.65N–.02 43.72E–.02 9–7 35 0-2
DDA X 18 02 58 00.7 39.65N 43.71E 11 3.3L ¶602079950
ISK X 18 02 58 00.1 39.65N 43.71E 8–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 18 05 51 58.5–.95 38.70N–.04 28.06E–.03 7–8 27 0-2
ISCJB X 18 05 51 58.6–.54 38.70N–.03 28.07E–.03 2–6 ¶602079956
DDA X 18 05 51 58.6 38.68N 28.07E 7 2.7L
ISK X 18 05 51 58.1 38.72N 28.07E 6–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=170.1.
DDA Event type ke.
ISK Event type ke.
ISC X 18 10 45 49.1–.98 37.30N–.04 37.12E–.04 12–8 15 0-2
DDA X 18 10 45 48.9 37.33N 37.12E 7 2.9L ¶602079966
ISCJB X 18 10 45 49.3–.76 37.31N–.06 37.13E–.05 11–8 2.9L
ISK X 18 10 45 49.3 37.27N 37.13E 13–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.7km az=23.5.
ISK Event type ke.
ISC X 18 10 51 57.7–1.2 41.14N–.06 34.18E–.04 12 11 0-2
ISCJB X 18 10 51 57.5–.86 41.19N–.07 34.18E–.06 12 ¶602079967
DDA X 18 10 51 59.2 41.00N 34.12E 7 2.8L
ISK X 18 10 51 59.7 41.05N 34.47E 11–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.3km az=154.1.
DDA Event type ke.
ISK Event type ke.
ISC X 18 11 43 35.9–.94 40.40N–.06 39.64E–.03 16–8 15 0-2
DDA X 18 11 43 36.0 40.43N 39.65E 7 2.6L ¶602079970
ISK X 18 11 43 35.9 40.38N 39.64E 12–1 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 18 12 35 12.0–1.3 37.31N–.05 37.22E–.08 7–9 13 0-2
ISCJB X 18 12 35 11.5–1.3 37.32N–.06 37.13E–.08 6–12 ¶602079971
DDA X 18 12 35 11.8 37.33N 37.19E 7 2.8L
ISK X 18 12 35 11.9 37.11N 37.34E 7–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=10.4km az=2.6.
DDA Event type ke.
ISK Event type ke.
ISC X 18 13 55 06.1–1.0 37.90N–.04 27.32E–.04 11–10 21 0-1
ISCJB X 18 13 55 05.8–.57 37.91N–.03 27.34E–.05 7–7 ¶602079972
DDA X 18 13 55 06.3 37.86N 27.30E 7 2.7L
ISK X 18 13 55 06.0 37.90N 27.26E 5–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.8km az=142.4.
DDA Event type ke.
ISK Event type ke.
ISC X 18 14 09 24.5–1.0 37.30N–.05 37.13E–.03 13–8 15 0-1
ISK X 18 14 09 24.1 37.31N 37.12E 12–0 2.0L ¶602079974
ISCJB X 18 14 09 25.2–.76 37.28N–.06 37.11E–.05 9–7 2.0L
DDA X 18 14 09 25.0 37.42N 37.22E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.6km az=16.1.
DDA Event type ke.
ISC X 18 14 34 49.9–1.3 38.20N–.03 38.22E–.03 4–12 20 0-2
ISK X 18 14 34 49.2 38.21N 38.28E 2–0 2.1L ¶602079975
DDA X 18 14 34 50.5 38.17N 38.18E 7 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 18 14 48 52.9–.94 40.24N–.05 40.27E–.04 14–6 15 0-2
ISK X 18 14 48 53.8 40.28N 40.22E 15–0 2.1L ¶602079977
ISCJB X 18 14 48 54.7–.57 40.31N–.04 40.23E–.05 15–5 2.1L
DDA X 18 14 48 54.4 40.32N 40.20E 2 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.4km az=15.8.
DDA Event type ke.
ISC X 18 15 18 50.2–1.1 38.75N–.04 43.23E–.05 15–11 12 0-1
ISK X 18 15 18 49.7 38.74N 43.25E 5–0 2.0L ¶602079983
DDA X 18 15 18 50.4 38.74N 43.25E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 18 15 30 40.1–1.2 38.72N–.03 43.57E–.05 16–10 19 0-2
ISCJB X 18 15 30 39.9–.69 38.72N–.04 43.56E–.08 8–6 ¶602079985
ISK X 18 15 30 39.4 38.75N 43.51E 4–0 2.4L
DDA X 18 15 30 39.4 38.69N 43.62E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.4km az=25.8.
ISK Event type ke.
DDA Event type ke.
ISC X 18 16 30 31.1–.90 37.25N–.03 37.10E–.03 17–6 24 0-2
ISCJB X 18 16 30 31.6–.54 37.23N–.05 37.11E–.03 12–5 ¶602079988
ISK X 18 16 30 31.2 37.22N 37.07E 14–0 1.9L
DDA X 18 16 30 31.4 37.26N 37.12E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.0km az=18.3.
ISK Event type ke.
DDA Event type ke.
ISC X 18 16 45 30.2–1.2 37.32N–.03 36.28E–.03 2–11 26 0-2
ISK X 18 16 45 30.1 37.29N 36.22E 8–0 2.4L ¶602079990
DDA X 18 16 45 30.5 37.34N 36.30E 7 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 19 02 31 27.4–1.7 38.67N–.06 43.65E–.09 13 13 0-1
ISK X 19 02 31 25.9 38.55N 43.83E 24–0 2.0L ¶602080002
ISCJB X 19 02 31 26.7–1.5 38.61N–.07 43.79E–.10 13 2.0L
DDA X 19 02 31 29.8 38.72N 43.43E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.9km az=39.0.
DDA Event type ke.
ISC X 19 02 32 45.4–1.1 38.72N–.05 43.50E–.06 13–10 16 0-2
DDA X 19 02 32 44.9 38.71N 43.50E 7 2.8L ¶602080003
ISCJB X 19 02 32 45.7–.65 38.72N–.03 43.45E–.08 12–5 2.8L
ISK X 19 02 32 45.1 38.70N 43.41E 5–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.2km az=14.5.
ISK Event type ke.
ISC X 19 07 00 30.4–.95 37.29N–.03 37.12E–.03 11–7 30 0-2
ISCJB X 19 07 00 30.8–.55 37.27N–.03 37.10E–.03 10–5 ¶602080010
ISK X 19 07 00 30.1 37.29N 37.12E 12–0 2.6L
DDA X 19 07 00 30.2 37.29N 37.11E 7 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=9.5.
ISK Event type ke.
DDA Event type ke.
ISC X 19 07 29 54.3–1.0 37.33N–.04 37.15E–.04 10–9 18 0-1
ISK X 19 07 29 53.5 37.36N 37.15E 9–0 2.0L ¶602080011
ISCJB X 19 07 29 54.8–.61 37.28N–.05 37.12E–.04 10–7 2.0L
DDA X 19 07 29 54.3 37.30N 37.17E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.0km az=24.4.
DDA Event type ke.
ISC X 19 08 17 25.1–.81 41.03N–.02 28.62E–.02 17–6 96 0-7
ISK X 19 08 17 24.9 41.04N 28.63E 14–0 3.8L ¶602080013
ISCJB X 19 08 17 25.4–.24 41.10N–.02 28.63E–.02 18–2 3.8L
DDA X 19 08 17 25.2 41.01N 28.64E 11 3.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=16.8.
DDA Event type ke.
ISC X 19 08 27 15.2–.96 37.28N–.03 37.11E–.03 10–8 25 0-2
DDA X 19 08 27 14.9 37.30N 37.12E 7 3.4L ¶602080014
ISK X 19 08 27 14.7 37.27N 37.08E 10–0 2.4L
ISCJB X 19 08 27 15.4–.53 37.27N–.03 37.08E–.03 7–5 2.4L

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 19 08 52 48.7–.88 37.28N–.03 37.15E–.02 13–7 43 0-3
ISCJB X 19 08 52 48.7–.50 37.28N–.03 37.12E–.02 8–4 **¶602080017**
ISK X 19 08 52 48.1 37.31N 37.12E 6–0 3.2L
DDA X 19 08 52 49.0 37.24N 37.21E 32 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=5.4.
ISK Event type ke.
DDA Event type ke.
ISC X 19 10 55 44.1–1.3 40.15N–.03 33.39E–.04 2–12 21 0-2
ISK X 19 10 55 43.9 40.15N 33.37E 9–0 1.9L **¶602080030**
DDA X 19 10 55 44.9 40.11N 33.45E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 19 12 33 27.5–1.5 41.04N–.03 34.65E–.05 7–13 18 0-2
ISCJB X 19 12 33 27.7–.65 41.03N–.03 34.63E–.05 4–8 **¶602080034**
ISK X 19 12 33 28.2 41.00N 34.74E 10–0 2.2L
DDA X 19 12 33 29.7 40.85N 34.47E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=21.1.
ISK Event type ke.
DDA Event type ke.
ISC X 19 14 45 10.2–1.1 38.88N–.03 27.91E–.04 14–10 20 1-1
DDA X 19 14 45 09.9 38.89N 27.92E 7 2.5L **¶602080041**
ISCJB X 19 14 45 10.8–.58 38.88N–.03 27.92E–.05 16–14 2.5L
ISK X 19 14 45 10.1 38.82N 27.96E 19–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.2km az=167.0.
ISK Event type ke.
ISC X 19 20 32 29.2–.90 41.00N–.02 33.50E–.02 12–7 83 0-39
DDA X 19 20 32 27.9 41.02N 33.49E 26 3.9L **¶601998970**
ISK X 19 20 32 27.9 41.06N 33.47E 8–0 3.6L
ISCJB X 19 20 32 28.0–.55 41.04N–.02 33.43E–.03 3–4 3.2b
IDC X 19 20 32 28.6–.72 40.92N 33.38E 0 3.5,3.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=154.6.
IDC Error ellipse: s-maj=11.2km s-min=7.8km az=73.0.
ISC X 19 21 42 07.7–1.0 37.31N–.02 37.16E–.03 6–9 68 0-5
ISCJB X 19 21 42 07.5–.60 37.36N–.02 37.17E–.03 0–5 **¶602080046**
DDA X 19 21 42 07.9 37.36N 37.14E 27 3.8L
ISK X 19 21 42 07.4 37.33N 37.14E 7–0 3.4L
GII X 19 21 42 10.8–.13 37.65N 36.60E 28 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=26.2.
DDA Event type ke.
ISK Event type ke.
GII Event type ke.
ISC X 19 22 00 15.7–.99 37.28N–.03 37.10E–.02 9–8 30 0-2
ISCJB X 19 22 00 15.9–.61 37.27N–.04 37.12E–.04 4–6 **¶602080047**
ISK X 19 22 00 15.2 37.29N 37.11E 5–0 2.3L
DDA X 19 22 00 16.0 37.28N 37.15E 7 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=28.7.
ISK Event type ke.
DDA Event type ke.
ISC X 20 00 02 41.9–.98 37.31N–.04 37.11E–.03 9–8 19 0-2
ISCJB X 20 00 02 41.9–.59 37.30N–.04 37.11E–.05 4–7 **¶602080054**
DDA X 20 00 02 41.9 37.31N 37.15E 7 2.5L
ISK X 20 00 02 41.3 37.32N 37.11E 7–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.4km az=38.3.
DDA Event type ke.
ISK Event type ke.
ISC X 20 00 31 53.3–.96 37.31N–.03 37.12E–.03 10–8 22 0-2
ISK X 20 00 31 52.9 37.31N 37.10E 5–0 1.8L **¶602080055**
ISCJB X 20 00 31 53.4–.54 37.30N–.04 37.12E–.04 7–6 1.8L
DDA X 20 00 31 53.1 37.32N 37.14E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=36.4.
DDA Event type ke.
ISC X 20 04 20 32.0–.92 37.54N–.04 36.31E–.03 9–6 19 0-1
ISK X 20 04 20 30.5 37.61N 36.31E 18–0 2.1L **¶602080066**
DDA X 20 04 20 32.2 37.55N 36.31E 9 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 20 06 43 55.9–.90 38.61N–.03 43.16E–.03 11–7 25 0-1
ISK X 20 06 43 54.3 38.55N 43.12E 19–0 2.5L **¶602080070**
ISCJB X 20 06 43 55.8–.53 38.59N–.04 43.13E–.03 11–6 2.5L
DDA X 20 06 43 56.2 38.65N 43.18E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=166.7.
DDA Event type ke.
ISC X 20 08 55 38.3–1.2 38.62N–.04 43.13E–.03 4–13 16 0-1
DDA X 20 08 55 38.3 38.59N 43.16E 7 2.7L **¶603001908**
ISC Event type ke.
DDA Event type ke.
ISC X 20 09 13 12.3–.98 37.11N–.04 34.67E–.03 14–8 27 0-2
DDA X 20 09 13 11.5 37.07N 34.71E 7 3.0L **¶602080072**
ISK X 20 09 13 11.0 37.16N 34.59E 8–0 2.4L
ISCJB X 20 09 13 12.4–.48 37.09N–.03 34.65E–.04 9–4 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 20 11 18 47.2–1.2 37.30N–.04 37.16E–.04 6–10 14 0-1
ISCJB X 20 11 18 47.1–.67 37.26N–.06 37.10E–.06 10–8 **¶603001914**
DDA X 20 11 18 47.5 37.28N 37.19E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.3km az=30.8.
DDA Event type ke.
ISC X 20 12 24 43.3–.99 37.46N–.03 28.10E–.03 11–8 24 0-1
ISK X 20 12 24 42.5 37.46N 28.10E 10–1 2.2L **¶602080077**
ISCJB X 20 12 24 43.4–.47 37.46N–.03 28.09E–.03 4–10 2.2L
DDA X 20 12 24 43.2 37.44N 28.09E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=27.9.
DDA Event type ke.
ISC X 20 13 28 12.5–.98 37.28N–.04 30.84E–.04 30–8 26 0-2
DDA X 20 13 28 10.3 37.21N 30.93E 7 2.4L **¶602080080**
ISK X 20 13 28 11.9 37.21N 30.89E 27–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 20 13 31 11.9–1.7 37.16N–.04 36.73E–.04 21–4 15 0-2
ISK X 20 13 31 10.9 37.17N 36.75E 24–0 2.1L **¶602080081**
DDA X 20 13 31 11.4 37.13N 36.63E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 20 18 38 21.2–1.0 37.33N–.04 37.16E–.04 8–8 18 0-1
ISK X 20 18 38 20.6 37.32N 37.14E 10–0 1.8L **¶602080097**
ISCJB X 20 18 38 21.3–.69 37.31N–.04 37.17E–.05 4–9 1.8L
DDA X 20 18 38 22.1 37.35N 37.19E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.5km az=135.1.
DDA Event type ke.
ISC X 20 21 15 19.6–1.1 38.95N–.03 41.10E–.02 3–9 32 0-2
ISCJB X 20 21 15 19.8–.51 38.96N–.03 41.13E–.03 1–5 **¶602080100**
DDA X 20 21 15 19.5 38.94N 41.09E 4 2.5L
ISK X 20 21 15 19.2 38.98N 41.16E 5–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=37.6.
DDA Event type ke.
ISK Event type ke.
ISC X 21 00 48 09.6–.89 40.61N–.02 28.99E–.02 18–3 96 0-6
IASPE X 21 00 48 09.6–.88 40.62N–.02 28.99E–.02 16–6 **¶602080116**
ISCJB X 21 00 48 09.6–.28 40.65N–.02 28.98E–.02 8–2
DDA X 21 00 48 09.6 40.61N 29.01E 19 3.6L
ISK X 21 00 48 09.4 40.63N 29.00E 11–0 3.3L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=163.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=0.7.
DDA Event type ke.
ISK Event type ke.
ISC X 21 04 01 24.7–.97 37.31N–.03 37.13E–.03 9–8 31 0-3
ISCJB X 21 04 01 24.6–.51 37.29N–.03 37.11E–.03 7–6 **¶602080122**
DDA X 21 04 01 24.6 37.28N 37.15E 7 2.8L
ISK X 21 04 01 24.1 37.32N 37.11E 6–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=32.8.
DDA Event type ke.
ISK Event type ke.
ISC X 21 05 01 33.0–1.2 38.69N–.03 43.09E–.03 6–11 24 0-1
ISK X 21 05 01 32.5 38.69N 43.07E 5–0 2.4L **¶602080123**
DDA X 21 05 01 33.4 38.70N 43.12E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 21 06 52 28.3–1.0 38.65N–.03 35.76E–.03 11–9 24 0-2
ISK X 21 06 52 26.6 38.65N 35.72E 5–0 2.2L **¶602080127**
DDA X 21 06 52 28.2 38.67N 35.76E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 21 12 14 48.9–.93 37.28N–.03 37.11E–.03 14–6 28 0-2
DDA X 21 12 14 48.9 37.25N 37.14E 7 3.0L **¶602080144**
ISK X 21 12 14 48.3 37.32N 37.14E 13–0 2.2L
ISCJB X 21 12 14 49.4–.49 37.29N–.04 37.11E–.04 8–6 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 21 18 21 03.7–.90 37.49N–.04 35.77E–.03 17–6 20 0-2
ISCJB X 21 18 21 04.7–.53 37.50N–.03 35.75E–.04 10–4 **¶602080156**
DDA X 21 18 21 04.1 37.51N 35.75E 7 2.7L
ISK X 21 18 21 04.1 37.47N 35.88E 13–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=39.2.
DDA Event type ke.
ISK Event type ke.
ISC X 21 19 03 22.9–.89 38.69N–.02 28.04E–.02 8–7 127 0-8
ISCJB X 21 19 03 22.5–.33 38.70N–.01 28.04E–.02 5–3 **¶602080157**
DDA X 21 19 03 22.5 38.71N 28.05E 23 3.3L
ISK X 21 19 03 22.4 38.69N 28.04E 7–0 3.5L
ATH X 21 19 03 23.1 38.65N 27.95E 23–3 3.1L
THE X 21 19 03 24.0 38.65N 27.99E 6–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=22.6.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=181.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=60.0.
ISC X 21 22 33 08.5–.95 38.79N–.04 43.23E–.04 17–9 14 0-2
ISK X 21 22 33 07.4 38.76N 43.18E 6–0 1.9L **¶602080158**
ISCJB X 21 22 33 08.7–.75 38.77N–.04 43.23E–.06 21–11 1.9L
DDA X 21 22 33 08.8 38.77N 43.24E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.4km az=6.9.
DDA Event type ke.
ISC X 22 02 02 11.4–1.1 38.56N–.04 31.56E–.04 10 18 0-2
ISCJB X 22 02 02 11.9–.52 38.52N–.04 31.58E–.04 10 **¶602080170**
DDA X 22 02 02 11.7 38.55N 31.60E 7 2.7L
ISK X 22 02 02 11.2 38.52N 31.57E 4–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=165.6.
DDA Event type ke.
ISK Event type ke.
ISC X 22 02 03 59.2–.91 37.29N–.03 37.11E–.03 13–7 26 0-2
ISK X 22 02 03 58.7 37.31N 37.14E 13–0 2.0L **¶602080171**
ISCJB X 22 02 03 59.4–.49 37.28N–.03 37.10E–.03 11–4 2.0L
DDA X 22 02 03 59.0 37.28N 37.13E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=24.3.
DDA Event type ke.
ISC X 22 10 31 17.6–1.1 38.98N–.02 27.48E–.02 8–10 88 0-2
ISCJB X 22 10 31 17.6–.33 39.00N–.02 27.47E–.02 7–3 **¶602080178**
ATH X 22 10 31 17.3 39.02N 27.54E 28–3 2.9L
DDA X 22 10 31 17.6 38.99N 27.47E 7 3.5L
ISK X 22 10 31 17.3 38.99N 27.46E 15–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=151.1.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.9km az=330.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISC X 22 18 46 54.6–1.3 39.32N–.02 41.98E–.02 5–12 48 1-4
ISK X 22 18 46 53.9 39.31N 41.98E 5–0 3.4L **¶602080187**
DDA X 22 18 46 54.8 39.33N 42.01E 7 3.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 22 21 49 21.5–1.0 38.43N–.04 27.06E–.03 9–9 19 0-1
DDA X 22 21 49 21.3 38.43N 27.05E 7 2.6L **¶602080190**
ISK X 22 21 49 21.2 38.43N 27.09E 5–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 23 17 37 59.9–1.3 38.64N–.03 43.02E–.03 6–11 20 0-1
ISK X 23 17 37 59.3 38.62N 43.00E 18–3 2.3L **¶602080215**
DDA X 23 17 38 00.7 38.63N 43.05E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 23 21 33 48.9–.93 37.32N–.04 37.14E–.03 12–7 23 0-2

ISK	X	23 21 33 48.2	37.31N	37.13E	13–0	1.8L	¶602080228
ISCJB	X	23 21 33 49.1–.54	37.30N–.04	37.11E–.04	9–5	1.8L	
DDA	X	23 21 33 49.5	37.37N	37.15E	7	2.6L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=4.0km az=28.8.						
DDA	Event type ke.						
ISC	**X**	**23 23 06 38.9–1.2**	**40.19N–.03**	**33.30E–.03**	**6–11**		**26 0-2**
ISK	X	23 23 06 38.7	40.19N	33.25E	7–0	2.0L	¶602080234
DDA	X	23 23 06 39.4	40.15N	33.25E	7	2.5L	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**24 01 03 59.4–.86**	**40.72N–.03**	**30.67E–.02**	**16–7**		**37 0-2**
ISCJB	X	24 01 03 59.5–.36	40.72N–.03	30.66E–.02	10–3		¶602080243
ISK	X	24 01 03 59.1	40.72N	30.67E	12–0	2.4L	
DDA	X	24 01 03 59.2	40.71N	30.67E	7	2.4L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=5.1.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**24 11 37 04.7–1.1**	**41.00N–.03**	**33.48E–.02**	**9–9**		**37 0-2**
ISCJB	X	24 11 37 05.0–.56	41.02N–.03	33.48E–.03	8–5		¶602080254
DDA	X	24 11 37 04.1	40.97N	33.47E	7	3.0L	
ISK	X	24 11 37 04.5	41.01N	33.48E	5–0	2.8L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=4.2km az=153.6.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**24 11 50 35.5–1.4**	**37.07N–.03**	**31.23E–.03**	**25–15**		**46 1-3**
DDA	X	24 11 50 34.3	37.06N	31.20E	50	2.9L	¶602080255
ISK	X	24 11 50 34.9	37.15N	31.37E	18–0	2.6L	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**24 12 20 02.1–1.1**	**40.71N–.02**	**42.34E–.02**	**1–11**		**39 0-3**
ISK	X	24 12 20 00.4	40.71N	42.32E	5–0	2.5L	¶602080256
DDA	X	24 12 20 01.7	40.64N	42.26E	7	2.9L	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**24 17 11 58.7–.93**	**37.29N–.03**	**37.11E–.03**	**11–7**		**25 0-2**
ISCJB	X	24 17 11 58.7–.54	37.28N–.03	37.11E–.03	5–5		¶602080265
ISK	X	24 17 11 58.2	37.31N	37.11E	10–0	1.7L	
DDA	X	24 17 11 58.3	37.26N	37.14E	7	2.8L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=27.2.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**24 17 53 04.5–2.7**	**40.6N–.10**	**42.4E–.10**	**15–17**		**14 0-1**
ISCJB	X	24 17 53 04.6–2.2	40.6N–.10	42.3E–.20	18–13		¶603002068
DDA	X	24 17 53 05.8	40.64N	42.28E	7	2.5L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=24.4km s-min=14.5km az=142.2.						
DDA	Event type ke.						
ISC	**X**	**24 20 16 46.9–1.1**	**38.08N–.03**	**42.75E–.03**	**11–10**		**37 0-3**
ISK	X	24 20 16 45.8	38.10N	42.72E	5–0	2.3L	¶602080271
ISCJB	X	24 20 16 46.7–.51	38.09N–.03	42.72E–.04	3–4	2.3L	
DDA	X	24 20 16 46.6	38.07N	42.72E	16	2.9L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=44.6.						
DDA	Event type ke.						
ISC	**X**	**24 21 11 48.0–1.1**	**38.27N–.03**	**36.32E–.04**	**13–10**		**19 0-2**
ISCJB	X	24 21 11 47.5–.71	38.28N–.03	36.35E–.05	2–10		¶602080273
DDA	X	24 21 11 47.4	38.26N	36.34E	7	2.6L	
ISK	X	24 21 11 47.3	38.28N	36.35E	10–0	1.7L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=157.2.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**25 05 16 25.5–1.1**	**40.42N–.03**	**34.42E–.02**	**19–2**		**33 0-2**
ISK	X	25 05 16 24.9	40.41N	34.40E	2–0	2.3L	¶602080299
DDA	X	25 05 16 25.5	40.43N	34.42E	7	2.8L	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**25 10 08 29.6–1.5**	**38.10N–.04**	**42.70E–.04**	**5–12**		**23 0-2**
ISK	X	25 10 08 29.1	38.14N	42.69E	10–0	2.2L	¶602080308
ISCJB	X	25 10 08 30.4–.69	38.11N–.03	42.70E–.05	5–5	2.2L	
DDA	X	25 10 08 30.8	38.05N	42.65E	7	2.5L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=5.6km az=34.4.						
DDA	Event type ke.						
ISC	**X**	**25 13 01 08.7–1.2**	**38.85N–.03**	**43.47E–.05**	**14–10**		**14 0-1**
ISK	X	25 13 01 07.9	38.82N	43.43E	24–0	1.7L	¶602080311
ISCJB	X	25 13 01 09.8–.82	38.86N–.03	43.43E–.09	11–11	1.7L	
DDA	X	25 13 01 09.4	38.83N	43.43E	7	2.5L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=5.1km az=14.2.						
DDA	Event type ke.						
ISC	**X**	**25 13 08 25.6–1.1**	**38.92N–.03**	**43.53E–.05**	**15–7**		**14 0-1**
ISK	X	25 13 08 23.7	38.89N	43.51E	2–0	1.6L	¶602080313
ISCJB	X	25 13 08 25.7–.94	38.91N–.04	43.59E–.07	18–10	1.6L	
DDA	X	25 13 08 26.2	38.89N	43.57E	7	2.5L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=9.7km s-min=5.8km az=11.0.						
DDA	Event type ke.						
ISC	**X**	**25 21 36 59.1–1.1**	**37.45N–.04**	**42.42E–.03**	**4–7**		**40 0-3**
ISN	X	25 21 36 54.9–.42	37.47N	42.58E	5–1	3.0L	¶601999652
ISK	X	25 21 36 58.7	37.46N	42.40E	3–0	2.9L	
ISCJB	X	25 21 36 59.4–.72	37.45N–.04	42.42E–.03	1–5	2.9L	
DDA	X	25 21 36 59.4	37.47N	42.42E	4	3.0L	
ISC	Event type ke.						
ISN	Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=6.7.						
DDA	Event type ke.						
ISC	**X**	**26 02 30 52.5–.89**	**37.60N–.03**	**36.38E–.03**	**7–6**		**22 0-2**
ISK	X	26 02 30 51.9	37.63N	36.33E	5–0	2.3L	¶602080343
DDA	X	26 02 30 52.5	37.59N	36.39E	6	2.5	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**26 03 37 37.0–.81**	**40.41N–.02**	**28.77E–.02**	**12–5**	**3.4b**	**100 0-39**
THE	X	26 03 37 34.7	40.47N	28.87E	0–3	3.7L	¶601999691
ISCJB	X	26 03 37 36.2–.27	40.44N–.02	28.72E–.02	10–2	3.2b	
IDC	X	26 03 37 36.5–1.4	40.12N	28.99E	0	3.3,3.3b	
ISK	X	26 03 37 36.2	40.43N	28.72E	8–0	4.0L,3.3b	
DDA	X	26 03 37 36.2	40.42N	28.73E	7	3.9L,3.3b	
ISC	Event type ke.						
THE	Event type ke. Error ellipse: s-maj=7.3km s-min=1.2km az=69.0.						
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=21.8.						
IDC	Error ellipse: s-maj=56.0km s-min=16.7km az=177.0.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**26 09 40 32.4–.48**	**36.47N–.02**	**31.39E–.02**	**76–6**	**3.9b**	**338 1-93**
ISCJB	X	26 09 40 32.5–.12	36.53N–.01	31.38E–.01	97–2	3.9b	¶601848726
IDC	X	26 09 40 33.0–1.2	36.59N	31.36E	89–11	4.0,3.9	
GII	X	26 09 40 33.7–.38	36.52N	31.39E	50	2.8,3.9	
DDA	X	26 09 40 33.1	36.51N	31.46E	54	4.3L,3.9	
ISK	X	26 09 40 33.4	36.62N	31.35E	29–0	4.1L,3.9	
NEIC	X	26 09 40 34.1–.00	36.59N	31.35E	30	4.1L,4.1L	
THE	X	26 09 40 35.7	36.35N	31.36E	72–7	4.2L,4.1L	
HLW	X	26 09 40 36.5	36.04N	31.36E	10–19	4.5L,4.4	
NIC	X	26 09 40 38.6–.40	36.31N	31.66E	51	4.1b,3.9L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=40.0.						
IDC	Error ellipse: s-maj=11.7km s-min=8.4km az=153.0.						
GII	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
NEIC	Event type se. After ISK.						
THE	Event type ke. Error ellipse: s-maj=7.8km s-min=1.1km az=32.0.						
ISC	**X**	**26 13 27 52.9–.96**	**38.66N–.03**	**43.24E–.03**	**15–9**		**18 0-2**
ISK	X	26 13 27 51.1	38.66N	43.20E	5–0	2.4L	¶602080372
DDA	X	26 13 27 52.7	38.63N	43.23E	7	2.8L	
ISCJB	X	26 13 27 53.1–.52	38.69N–.03	43.21E–.05	4–8	2.8L	
ISC	Event type ke.						
ISK	Event type ke.						
DDA	Event type ke.						
ISCJB	Event type ke.						
ISC	**X**	**26 18 47 34.0–1.0**	**38.39N–.04**	**39.02E–.04**	**10–9**		**16 0-1**
DDA	X	26 18 47 34.0	38.38N	38.97E	7	2.5L	¶602080381
ISK	X	26 18 47 33.8	38.41N	39.05E	5–0	1.4L	
ISCJB	X	26 18 47 34.0–.52	38.41N–.03	39.05E–.05	10–5	1.4L	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke.						
ISC	**X**	**26 18 50 48.6–.91**	**38.41N–.03**	**39.01E–.03**	**12–7**		**23 0-2**
ISK	X	26 18 50 47.8	38.42N	39.02E	3–0	1.6L	¶602080382
ISCJB	X	26 18 50 48.8–.52	38.41N–.03	39.03E–.04	7–4	1.6L	
DDA	X	26 18 50 48.1	38.38N	39.00E	7	2.7L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=140.7.						
DDA	Event type ke.						
DDA	**X**	**26 22 29 57.0**	**37.30N**	**37.18E**	**7**	**2.2L**	
							¶603002165
DDA	Event type ke.						
ISC	**X**	**27 02 38 00.2–.84**	**40.44N–.02**	**28.72E–.01**	**12–6**		**122 0-8**
THE	X	27 02 37 55.9	40.60N	29.09E	0–8	4.1L	¶602080390
ISCJB	X	27 02 37 59.6–.31	40.45N–.02	28.70E–.02	1–3	4.1L	
ISK	X	27 02 37 59.7	40.44N	28.73E	6–0	3.9L	
DDA	X	27 02 37 59.8	40.43N	28.73E	12	3.7L	
ISC	Event type ke.						
THE	Event type ke. Error ellipse: s-maj=15.8km s-min=2.1km az=63.0.						
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=169.6.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**27 19 12 45.9–1.2**	**41.19N–.05**	**38.82E–.03**	**13–9**		**33 0-2**
ISCJB	X	27 19 12 45.8–.94	41.19N–.04	38.82E–.03	9–5		¶602080408
DDA	X	27 19 12 46.4	41.10N	38.79E	33	2.8L	
ISK	X	27 19 12 46.6	41.13N	38.91E	8–0	2.5L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=164.1.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**27 22 50 18.5–.98**	**39.23N–.02**	**34.38E–.02**	**13–9**		**86 0-4**
DDA	X	27 22 50 17.9	39.22N	34.38E	13	3.5L	¶602080409
ISK	X	27 22 50 17.6	39.27N	34.34E	5–0	3.3L	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**28 02 33 24.7–1.0**	**37.36N–.03**	**37.17E–.03**	**8–9**		**24 0-2**
ISCJB	X	28 02 33 25.0–.56	37.34N–.03	37.16E–.04	6–6		¶602080418
ISK	X	28 02 33 24.6	37.34N	37.12E	7–0	1.9L	
DDA	X	28 02 33 25.1	37.37N	37.24E	7	2.7L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=144.4.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**28 02 35 41.9–.93**	**37.33N–.03**	**37.16E–.03**	**11–7**		**24 0-1**
ISCJB	X	28 02 35 42.0–.55	37.33N–.03	37.13E–.04	6–5		¶602080419
ISK	X	28 02 35 41.8	37.33N	37.13E	7–0	1.6L	
DDA	X	28 02 35 41.7	37.34N	37.19E	6	2.5L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=139.3.						
ISK	Event type ke.						
DDA	Event type ke.						
ISC	**X**	**28 04 30 38.7–1.2**	**38.53N–.04**	**43.28E–.05**	**4–16**		**11 0-2**
DDA	X	28 04 30 38.5	38.46N	43.31E	7	2.6L	¶602080421
ISK	X	28 04 30 38.2	38.57N	43.30E	3–0	2.4L	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**28 17 11 34.1–1.0**	**37.53N–.04**	**37.25E–.03**	**11–9**		**19 0-1**
DDA	X	28 17 11 33.4	37.56N	37.27E	7	2.7L	¶602080432
ISCJB	X	28 17 11 34.1–.79	37.54N–.04	37.23E–.04	7–6	2.7L	
ISK	X	28 17 11 34.3	37.49N	37.20E	14–0	1.6L	
ISC	Event type ke.						
DDA	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=15.7.						
ISK	Event type ke.						
ISC	**X**	**29 05 54 50.9–1.1**	**37.00N–.03**	**29.80E–.03**	**6–10**		**22 0-1**
ISCJB	X	29 05 54 50.8–.56	36.99N–.03	29.84E–.04	1–8		¶602080450
DDA	X	29 05 54 50.8	37.01N	29.84E	7	2.8L	
ISK	X	29 05 54 50.4	36.98N	29.83E	14–1	2.6L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.9km az=171.3.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**29 06 20 51.0–1.3**	**40.66N–.03**	**35.28E–.03**	**2–12**		**25 0-2**
DDA	X	29 06 20 51.8	40.69N	35.29E	7	2.9L	¶602080451
ISK	X	29 06 20 59.2	40.27N	34.95E	6–0	1.7L	
ISC	Event type ke.						
DDA	Event type ke.						
ISK	Event type ke.						
ISC	**X**	**29 06 39 50.3–.94**	**37.30N–.04**	**37.11E–.04**	**13–7**		**16 0-1**
ISK	X	29 06 39 49.6	37.31N	37.12E	16–0	1.7L	¶602080452
ISCJB	X	29 06 39 50.7–.57	37.29N–.03	37.08E–.04	12–5	1.7L	
DDA	X	29 06 39 50.4	37.32N	37.10E	7	2.6L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=42.9.						
DDA	Event type ke.						
ISC	**X**	**29 06 41 25.4–.91**	**37.31N–.04**	**37.11E–.04**	**14–7**		**20 0-2**
ISK	X	29 06 41 24.9	37.31N	37.12E	14–0	1.8L	¶602080453
ISCJB	X	29 06 41 25.6–.51	37.29N–.03	37.08E–.04	11–5	1.8L	
DDA	X	29 06 41 25.7	37.31N	37.10E	7	3.0L	
ISC	Event type ke.						
ISK	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=37.1.						
DDA	Event type ke.						
ISC	**X**	**29 06 42 39.5–.93**	**37.29N–.04**	**37.13E–.04**	**13–7**		**16 0-1**
ISK	X	29 06 42 38.9	37.32N	37.13E	13–0	1.4L	¶602080454
ISCJB	X	29 06 42 39.7–.56	37.28N–.04	37.08E–.04	11–5	1.4L	
DDA	X	29 06 42 39.6	37.28N	37.16E	7	2.6L	

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=41.3.
DDA Event type ke.
ISC X 29 06 51 57.1–1.4 38.61N–.03 43.77E–.04 4–12 25 0-2
ISK X 29 06 51 56.9 38.57N 43.71E 2–0 2.7L **¶602080455**
DDA X 29 06 51 57.9 38.63N 43.70E 7 2.9L
ISCJB X 29 06 51 58.1–.77 38.61N–.03 43.72E–.05 7–5 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 29 18 57 52.3–1.0 41.01N–.02 33.49E–.02 19–3 59 0-3
DDA X 29 18 57 51.8 41.00N 33.48E 20 3.3L **¶602080472**
ISCJB X 29 18 57 52.3–.48 41.04N–.02 33.48E–.03 11–4 3.3L
ISK X 29 18 57 52.0 41.02N 33.51E 17–0 3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=167.5.
ISK Event type ke.
ISC X 29 19 40 11.0–1.0 38.46N–.02 43.32E–.02 4–9 77 0-5
ISK X 29 19 40 09.7 38.46N 43.26E 5–0 3.8L **¶602080474**
DDA X 29 19 40 10.6 38.44N 43.34E 10 3.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 29 22 11 55.4–1.5 38.84N–.03 43.29E–.04 5–14 19 0-1
ISK X 29 22 11 54.7 38.83N 43.26E 19–0 1.8L **¶602080478**
DDA X 29 22 11 56.3 38.83N 43.31E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC X 29 23 09 07.0–1.0 38.84N–.03 43.32E–.03 18–3 23 0-1
ISK X 29 23 09 05.8 38.84N 43.28E 19–0 1.7L **¶602080479**
ISCJB X 29 23 09 06.8–.69 38.85N–.03 43.34E–.05 28–6 1.7L
DDA X 29 23 09 06.9 38.85N 43.32E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.1km az=13.2.
DDA Event type ke.
ISC X 30 00 12 36.2–.88 39.11N–.02 29.14E–.02 12–6 3.5b 207 0-40
GII X 30 00 12 34.9–.00 39.14N 29.18E 4 3.5b **¶602000385**
ISCJB X 30 00 12 35.6–.39 39.13N–.01 29.15E–.02 15–3 3.4b
DDA X 30 00 12 35.4 39.14N 29.18E 21 4.1L
IDC X 30 00 12 35.3–.89 39.20N 29.26E 0 3.7,3.6
ISK X 30 00 12 35.3 39.12N 29.13E 13–0 4.0L,3.6
THE X 30 00 12 38.3 39.13N 29.15E 17–2 3.5L,3.6
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=143.9.
DDA Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=12.2km az=16.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=44.0.
ISC X 30 01 06 06.2–.93 37.29N–.03 37.13E–.03 11–7 30 0-3
ISK X 30 01 06 05.7 37.31N 37.10E 8–0 2.3L **¶602080495**
DDA X 30 01 06 05.8 37.27N 37.14E 7 3.1L
ISCJB X 30 01 06 06.1–.48 37.29N–.03 37.11E–.03 7–5 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC X 30 01 32 21.9–.94 38.49N–.03 43.33E–.04 9–7 18 0-2
DDA X 30 01 32 21.7 38.48N 43.43E 14 2.9L **¶602080497**
ISK X 30 01 32 21.4 38.49N 43.28E 4–0 1.4L
ISCJB X 30 01 32 22.3–.52 38.50N–.03 43.34E–.04 7–4 1.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC X 30 04 38 15.7–.98 38.59N–.02 43.67E–.03 14–7 58 0-4
DDA X 30 04 38 14.5 38.61N 43.72E 15 3.8L **¶602080502**
ISK X 30 04 38 15.5 38.61N 43.61E 9–0 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 30 05 19 48.5–1.5 37.14N–.05 42.79E–.02 2–11 41 0-3
ISK X 30 05 19 48.9 37.19N 42.75E 6–0 3.2L **¶602000430**
ISN X 30 05 19 48.5–.83 37.08N 42.82E 0–5 3.3L
DDA X 30 05 19 49.1 37.17N 42.76E 10 3.4L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=5.7km s-min=2.6km az=-1.0.
DDA Event type ke.
ISC X 30 06 29 25.2–1.2 39.55N–.03 30.42E–.03 7–12 26 0-2
DDA X 30 06 29 24.8 39.55N 30.43E 7 2.6L **¶602080507**
ISCJB X 30 06 29 25.0–.56 39.54N–.03 30.41E–.04 1–6 2.6L
ISK X 30 06 29 25.0 39.54N 30.43E 5–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=157.2.
ISK Event type ke.
ISC X 30 07 51 32.1–1.2 38.62N–.04 43.14E–.04 9–12 11 0-1
DDA X 30 07 51 31.9 38.65N 43.16E 7 2.6L **¶603002285**
ISC Event type ke.
DDA Event type ke.
ISC X 30 09 28 01.7–1.1 38.56N–.04 31.58E–.03 11–11 18 0-1
ISCJB X 30 09 28 01.8–.56 38.55N–.03 31.58E–.03 4–12 **¶603002288**
DDA X 30 09 28 01.5 38.55N 31.58E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=170.2.
DDA Event type ke.
ISC X 30 13 48 14.4–1.1 37.33N–.02 37.17E–.02 4–10 79 0-4
DDA X 30 13 48 15.0 37.31N 37.20E 38 3.7L **¶602080515**
ISK X 30 13 48 14.4 37.31N 37.13E 3–0 3.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 30 14 32 00.5–1.2 37.58N–.05 35.52E–.03 9–11 21 0-2
ISCJB X 30 14 32 00.9–.65 37.54N–.04 35.52E–.04 7–8 **¶602080516**
DDA X 30 14 32 00.7 37.60N 35.50E 7 2.5L
ISK X 30 14 32 00.4 37.53N 35.53E 8–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.2km az=167.9.
DDA Event type ke.
ISK Event type ke.
ISC X 30 18 07 52.9–.87 38.10N–.02 27.21E–.02 14–7 112 0-3
ISCJB X 30 18 07 52.6–.33 38.09N–.02 27.19E–.02 10–3 **¶602080524**
ATH X 30 18 07 52.8 38.07N 27.16E 30–1 3.4L
DDA X 30 18 07 52.6 38.11N 27.24E 7 3.7L
ISK X 30 18 07 52.3 38.11N 27.21E 14–0 3.6L
THE X 30 18 07 53.4 38.08N 27.17E 5–3 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=152.3.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=259.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=229.0.
ISC X 30 20 40 00.2–1.1 37.61N–.05 36.29E–.04 7–7 14 0-2
DDA X 30 20 39 59.5 37.65N 36.28E 5 2.9L **¶602080529**
ISK X 30 20 39 59.5 37.62N 36.28E 5–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC X 31 02 50 38.8–1.0 37.34N–.04 37.16E–.04 9–9 17 0-2
ISCJB X 31 02 50 38.7–.56 37.32N–.04 37.10E–.05 10–6 **¶602080555**
DDA X 31 02 50 38.5 37.32N 37.16E 7 2.7L
ISK X 31 02 50 38.2 37.34N 37.14E 5–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=136.9.
DDA Event type ke.
ISK Event type ke.
ISC X 31 09 55 50.2–.93 40.46N–.02 28.69E–.02 16–8 71 0-6
ISCJB X 31 09 55 50.7–.33 40.43N–.02 28.71E–.02 7–3 **¶602080565**
ISK X 31 09 55 50.7 40.44N 28.72E 7–0 3.5L
DDA X 31 09 55 50.1 40.41N 28.72E 25 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=152.2.
ISK Event type ke.
DDA Event type ke.
ISC X 31 13 31 14.7–1.0 39.81N–.02 26.20E–.02 11–9 87 0-3
DDA X 31 13 31 13.5 39.79N 26.19E 7 3.5L **¶602080576**
ISK X 31 13 31 13.9 39.81N 26.21E 8–0 3.3L
ISCJB X 31 13 31 14.3–.45 39.82N–.02 26.21E–.02 6–4 3.3L
ATH X 31 13 31 14.3 39.81N 26.23E 25–2 3.1L
THE X 31 13 31 15.0 39.81N 26.17E 6–0 2.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=143.9.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=250.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=248.0.
ISC X 31 15 01 57.8–.95 37.31N–.04 37.13E–.03 12–8 21 0-2
ISCJB X 31 15 01 57.9–.53 37.30N–.04 37.10E–.04 10–5 **¶602080581**
DDA X 31 15 01 57.7 37.30N 37.08E 7 3.1L
ISK X 31 15 01 57.3 37.33N 37.15E 9–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=30.7.
DDA Event type ke.
ISK Event type ke.
ISC X 31 16 45 57.9–.90 40.29N–.03 34.96E–.03 10–6 25 0-2
DDA X 31 16 45 57.9 40.29N 34.99E 10 2.7L **¶602080585**
ISK X 31 16 45 57.2 40.28N 34.94E 5–0 2.1L
ISCJB X 31 16 45 58.4–.51 40.31N–.03 34.96E–.04 7–4 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 01 01 38 49.7–1.0 37.31N–.03 37.14E–.04 10–9 21 0-2
ISCJB XI 01 01 38 49.8–.60 37.30N–.03 37.11E–.06 7–8 **¶602080607**
DDA XI 01 01 38 49.9 37.29N 37.19E 7 2.6L
ISK XI 01 01 38 49.3 37.33N 37.13E 8–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.4km az=148.0.
DDA Event type ke.
ISK Event type ke.
ISC XI 01 05 37 30.6–1.1 37.31N–.04 37.11E–.03 9–9 19 0-2
ISCJB XI 01 05 37 30.6–.68 37.31N–.04 37.11E–.06 6–9 **¶602080614**
DDA XI 01 05 37 30.3 37.32N 37.12E 7 2.9L
ISK XI 01 05 37 30.4 37.33N 37.10E 5–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.5km az=139.0.
DDA Event type ke.
ISK Event type ke.
ISC XI 01 07 30 15.7–.96 37.36N–.05 37.15E–.04 11 10 0-1
DDA XI 01 07 30 14.5 37.44N 37.19E 7 2.6L **¶603002362**
ISCJB XI 01 07 30 15.7–.70 37.30N–.05 37.09E–.05 11 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 01 07 48 43.4–1.2 38.69N–.03 43.08E–.03 10–14 18 0-1
ISK XI 01 07 48 42.9 38.68N 43.05E 5–0 2.4L **¶602080618**
ISCJB XI 01 07 48 43.9–.59 38.72N–.04 43.04E–.04 12–7 2.4L
DDA XI 01 07 48 44.4 38.73N 43.12E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.1km az=15.6.
DDA Event type ke.
ISC XI 01 10 33 51.8–.95 38.95N–.03 37.85E–.04 9 13 0-2
ISK XI 01 10 33 51.5 39.00N 37.91E 3–1 1.9L **¶602080626**
ISCJB XI 01 10 33 52.1–.61 38.97N–.03 37.89E–.06 9 1.9L
DDA XI 01 10 33 52.3 38.93N 37.81E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=175.7.
DDA Event type ke.
ISC XI 01 13 24 46.0–1.2 37.52N–.05 35.69E–.03 10–10 21 0-2
DDA XI 01 13 24 45.1 37.59N 35.72E 8 2.6L **¶602080631**
ISK XI 01 13 24 45.8 37.43N 35.65E 6–0 2.3L
ISCJB XI 01 13 24 46.4–.76 37.49N–.06 35.69E–.04 2–7 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 01 14 31 23.1–1.1 37.58N–.04 27.26E–.04 9–7 20 0-2
ISCJB XI 01 14 31 22.8–.80 37.56N–.04 27.27E–.04 3–7 **¶602080634**
DDA XI 01 14 31 22.7 37.56N 27.27E 7 3.3L
ISK XI 01 14 31 22.3 37.59N 27.27E 4–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=32.5.
DDA Event type ke.
ISK Event type ke.
ISC XI 01 19 41 28.5–1.1 39.91N–.05 42.45E–.06 13–7 11 0-1
ISK XI 01 19 41 26.8 39.84N 42.23E 10–0 1.5L **¶602080637**
ISCJB XI 01 19 41 29.6–.74 39.93N–.05 42.48E–.08 11–6 1.5L
DDA XI 01 19 41 30.1 39.90N 42.45E 6 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.4km az=143.6.
DDA Event type ke.
ISC XI 02 14 25 24.1–1.1 38.64N–.03 43.22E–.03 18–9 19 0-1
ISK XI 02 14 25 22.9 38.67N 43.22E 20–0 2.6L **¶602080675**
ISCJB XI 02 14 25 24.1–1.0 38.59N–.04 43.24E–.06 26–9 2.6L
DDA XI 02 14 25 24.9 38.63N 43.20E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.0km az=137.1.
DDA Event type ke.
ISC XI 02 15 50 54.1–.91 39.04N–.02 26.25E–.02 11–7 82 0-3
ISCJB XI 02 15 50 53.9–.37 39.03N–.02 26.29E–.03 4–4 **¶602080682**
ATH XI 02 15 50 53.0 39.07N 26.35E 22–1 2.9L
DDA XI 02 15 50 53.8 39.07N 26.23E 16 3.0L
ISK XI 02 15 50 53.5 39.03N 26.30E 7–0 3.3L
THE XI 02 15 50 54.4 39.07N 26.28E 0–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=151.1.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=269.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.

THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=101.0.
DDA XI 02 23 51 50.6 39.52N 28.83E 7 2.3L ¶603002418
DDA Event type ke.
ISC XI 03 01 16 41.4–1.0 37.64N–.04 36.02E–.02 8–9 23 0-2
DDA XI 03 01 16 41.1 37.69N 36.05E 5 2.6L **¶602080694**
ISK XI 03 01 16 41.0 37.64N 36.02E 8–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 03 15 11 08.6–1.5 37.24N–.06 42.67E–.03 2–11 27 0-3
ISK XI 03 15 11 07.9 37.30N 42.56E 5–0 2.7L **¶602080722**
DDA XI 03 15 11 08.9 37.25N 42.68E 15 2.6L
ISN XI 03 15 11 09.0–.87 37.22N 42.86E 0–3 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=5.0km s-min=5.3km az=-1.0.
ATH XI 03 21 06 52.9 39.49N 26.20E 18–6 1.0L ¶603911861
ATH Event type ke. Error ellipse: s-maj=6.0km s-min=1.0km az=171.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 04 05 24 06.8–.86 40.99N–.02 33.55E–.02 16–7 74 0-8
ISK XI 04 05 24 05.3 41.03N 33.49E 6–0 3.5L **¶602080772**
DDA XI 04 05 24 05.8 41.02N 33.49E 18 3.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 04 11 18 58.1–1.2 37.51N–.05 42.68E–.03 2–11 28 0-2
ISN XI 04 11 18 54.5–.75 37.44N 42.73E 0–3 2.9L **¶602080785**
DDA XI 04 11 18 57.8 37.45N 42.67E 10 3.0L
ISK XI 04 11 18 57.4 37.47N 42.66E 6–0 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=4.9km s-min=5.4km az=-1.0.
DDA Event type ke.
ISK Event type ke.
ISC XI 04 17 37 02.9–1.2 36.06N–.03 31.52E–.02 21–5 139 1-7
ATH XI 04 17 37 02.0 36.67N 31.47E 94–8 3.4L **¶602080794**
ISK XI 04 17 37 02.7 36.07N 31.50E 24–0 3.7L
DDA XI 04 17 37 03.3 36.14N 31.44E 42 3.4L
THE XI 04 17 37 04.7 36.10N 31.62E 26–7 3.2L
NIC XI 04 17 37 05.8–.20 35.99N 31.75E 6 4.0b,3.7L
GII XI 04 17 37 08.9–.00 35.79N 31.71E 30 3.1,3.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=15.3km s-min=6.2km az=179.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=0.6km az=69.0.
GII Event type ke.
ISC XI 05 00 28 17.2–.95 38.66N–.02 43.55E–.03 15–7 37 0-2
DDA XI 05 00 28 16.8 38.66N 43.61E 7 2.9L **¶602080811**
ISK XI 05 00 28 17.2 38.65N 43.47E 4–0 2.2L
ISCJB XI 05 00 28 18.1–.48 38.65N–.02 43.53E–.04 11–3 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 05 07 13 33.9–1.1 37.34N–.03 37.14E–.02 7–9 29 0-2
DDA XI 05 07 13 33.9 37.35N 37.14E 7 2.8L **¶602080844**
ISK XI 05 07 13 33.1 37.35N 37.13E 5–0 2.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 05 07 17 52.8–1.0 38.38N–.03 27.47E–.03 14–10 21 0-1
ISK XI 05 07 17 51.9 38.39N 27.48E 14–0 2.3L **¶602080846**
ISCJB XI 05 07 17 52.8–.57 38.38N–.04 27.48E–.04 5–11 2.3L
DDA XI 05 07 17 53.1 38.39N 27.46E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=14.7.
DDA Event type ke.
ISC XI 05 08 33 12.7–.98 38.45N–.05 39.06E–.04 10–7 13 0-2
ISCJB XI 05 08 33 12.4–.69 38.39N–.05 39.03E–.05 7–7 **¶602080849**
ISK XI 05 08 33 12.8 38.39N 39.12E 4–0 2.0L
DDA XI 05 08 33 13.1 38.55N 38.90E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.3km az=19.2.
ISK Event type ke.
DDA Event type ke.
ISC XI 05 12 52 28.3–1.1 38.52N–.03 39.31E–.04 8–9 24 0-2
ISCJB XI 05 12 52 29.2–.61 38.49N–.03 39.27E–.04 5–4 **¶602080864**
DDA XI 05 12 52 29.0 38.48N 39.22E 7 2.6L
ISK XI 05 12 52 29.2 38.44N 39.35E 6–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=137.0.
DDA Event type ke.
ISK Event type ke.
ISK XI 06 03 21 21.9 39.12N 29.08E 8–0 3.5L ¶602080906
ISK Event type ke.
ISC XI 06 10 22 27.7–.00 39.64N–.04 38.70E–.05 16–8 16 0-1
DDA XI 06 10 22 27.7 39.63N 38.69E 16 2.6L **¶602080924**
ISK XI 06 10 22 27.1 39.57N 38.67E 23–0 1.9L
ISCJB XI 06 10 22 28.1–.61 39.61N–.04 38.66E–.05 24–7 1.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 06 12 40 59.1–.99 37.67N–.03 29.32E–.03 12–8 28 0-2
ISK XI 06 12 40 57.8 37.64N 29.28E 5–0 2.2L **¶602080930**
ISCJB XI 06 12 40 58.7–.51 37.67N–.03 29.34E–.03 2–6 2.2L
DDA XI 06 12 40 58.7 37.67N 29.35E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=44.9.
DDA Event type ke.
ISC XI 06 17 47 37.1–1.0 38.36N–.03 38.97E–.03 7–10 20 0-2
ISCJB XI 06 17 47 36.9–.63 38.36N–.03 38.95E–.04 2–7 **¶602080947**
ISK XI 06 17 47 36.9 38.35N 39.04E 5–0 2.1L
DDA XI 06 17 47 36.7 38.37N 38.92E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=167.1.
ISK Event type ke.
DDA Event type ke.
ISC XI 06 18 32 34.5–.94 38.49N–.05 39.17E–.04 11–8 14 0-2
ISCJB XI 06 18 32 34.7–.56 38.48N–.04 39.16E–.05 10–5 **¶602080948**
DDA XI 06 18 32 34.8 38.52N 39.16E 7 2.8L
ISK XI 06 18 32 34.7 38.49N 39.23E 11–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.5km az=38.9.
DDA Event type ke.
ISK Event type ke.
ISC XI 06 18 46 05.5–1.5 37.83N–.04 30.58E–.03 1–16 18 0-2
ISK XI 06 18 46 04.7 37.84N 30.59E 5–0 1.9L **¶602080950**
ISCJB XI 06 18 46 05.9–.72 37.84N–.04 30.61E–.05 1–9 1.9L
DDA XI 06 18 46 06.2 37.83N 30.60E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=43.8.
DDA Event type ke.
ISC XI 06 21 08 31.0–1.0 37.30N–.04 37.15E–.03 9–10 24 0-3
ISCJB XI 06 21 08 30.8–.61 37.31N–.04 37.14E–.04 6–7 **¶602080958**
ISK XI 06 21 08 30.3 37.31N 37.15E 8–0 2.6L
DDA XI 06 21 08 31.2 37.30N 37.14E 7 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=6.6.
ISK Event type ke.
DDA Event type ke.
ISC XI 06 22 41 22.4–1.0 38.61N–.03 43.17E–.04 11–10 20 0-2
ISK XI 06 22 41 21.4 38.60N 43.18E 5–0 1.9L **¶602080961**
ISCJB XI 06 22 41 22.4–.47 38.64N–.04 43.18E–.05 10–6 1.9L
DDA XI 06 22 41 22.5 38.64N 43.22E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.7km az=139.7.
DDA Event type ke.
ISC XI 07 00 09 41.1–.97 37.41N–.04 38.80E–.03 6–8 25 0-2
ISK XI 07 00 09 40.2 37.37N 38.93E 5–0 2.0L **¶602080968**
DDA XI 07 00 09 41.7 37.43N 38.73E 6 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 07 00 16 52.9–.82 38.95N–.02 43.56E–.02 7–5 85 0-3
ISK XI 07 00 16 51.5 38.95N 43.60E 5–0 3.1L **¶602080969**
DDA XI 07 00 16 52.2 38.94N 43.58E 10 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 07 00 34 29.6–1.2 40.43N–.03 33.04E–.02 4–11 75 0-8
ISK XI 07 00 34 28.6 40.40N 32.99E 5–0 3.7L **¶602080970**
DDA XI 07 00 34 29.2 40.36N 33.00E 16 3.6L
ISCJB XI 07 00 34 30.0–.49 40.44N–.02 32.99E–.03 8–4 3.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 07 07 30 13.2–1.3 40.12N–.03 31.71E–.03 1–12 23 1-2
DDA XI 07 07 30 12.8 40.10N 31.78E 7 2.5L **¶602080981**
ISK XI 07 07 30 13.2 40.10N 31.66E 6–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 07 10 39 51.6–.95 38.75N–.02 43.18E–.02 11–8 64 0-3
ISK XI 07 10 39 50.3 38.76N 43.18E 5–0 3.6L **¶602080984**
DDA XI 07 10 39 50.0 38.75N 43.19E 1 3.6L
AZER XI 07 10 39 50.6–5.5 38.64N 43.21E 2 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
AZER Error ellipse: s-maj=59.2km s-min=31.0km az=14.0.
ISC XI 07 14 37 34.2–1.3 37.28N–.03 31.91E–.03 7–11 25 0-2
ISCJB XI 07 14 37 34.3–.70 37.26N–.03 31.93E–.04 1–7 **¶602080991**
DDA XI 07 14 37 34.3 37.29N 31.90E 7 2.5L
ISK XI 07 14 37 34.5 37.28N 31.88E 14–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=10.9.
DDA Event type ke.
ISK Event type ke.
DDA XI 07 16 47 01.4 37.93N 29.14E 7 2.4L ¶602983446
DDA Event type ke.
DDA XI 08 00 40 49.1 38.37N 39.23E 7 2.0L ¶602081004
DDA Event type ke.
ISC XI 08 00 41 08.2–.94 38.40N–.04 39.04E–.04 11–7 20 0-2
ISK XI 08 00 41 07.6 38.42N 39.03E 4–0 2.2L **¶602983458**
ISCJB XI 08 00 41 08.4–.61 38.39N–.03 39.03E–.04 6–5 2.2L
DDA XI 08 00 41 08.2 38.38N 39.06E 7 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.4km az=153.8.
DDA Event type ke.
ISC XI 08 02 47 20.7–1.3 38.76N–.04 43.66E–.05 21–2 27 0-2
ISK XI 08 02 47 20.2 38.78N 43.47E 5–0 2.7L **¶602081007**
ISCJB XI 08 02 47 21.2–.72 38.72N–.03 43.59E–.07 11–5 2.7L
DDA XI 08 02 47 21.3 38.73N 43.48E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.8km az=24.4.
DDA Event type ke.
ISC XI 08 03 17 47.0–1.0 38.41N–.05 39.03E–.04 12–9 13 0-2
ISCJB XI 08 03 17 47.0–.69 38.43N–.04 39.04E–.06 7–8 **¶602081011**
DDA XI 08 03 17 46.5 38.40N 39.03E 7 2.5L
ISK XI 08 03 17 46.3 38.42N 39.03E 9–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.3km az=156.7.
DDA Event type ke.
ISK Event type ke.
ISC XI 08 05 45 08.4–1.0 38.73N–.03 43.51E–.04 14–8 19 0-1
ISK XI 08 05 45 06.9 38.72N 43.49E 2–0 3.1L **¶602081021**
DDA XI 08 05 45 07.8 38.68N 43.61E 7 3.1L
ISCJB XI 08 05 45 08.5–.61 38.74N–.03 43.53E–.07 12–4 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 08 11 32 59.4–1.2 37.57N–.04 41.82E–.03 9–10 27 0-2
DDA XI 08 11 32 59.0 37.60N 41.84E 7 2.7L **¶602081024**
ISK XI 08 11 33 00.1 37.60N 41.82E 28–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 08 12 16 29.2–1.3 40.40N–.05 39.66E–.03 14–12 13 0-2
ISK XI 08 12 16 28.7 40.40N 39.66E 21–0 2.2L **¶602081025**
ISCJB XI 08 12 16 29.8–.59 40.40N–.04 39.66E–.05 9–10 2.2L
DDA XI 08 12 16 29.7 40.43N 39.63E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=163.7.
DDA Event type ke.
ISC XI 08 13 05 42.9–1.8 36.90N–.08 31.28E–.04 103–18 25 1-3
DDA XI 08 13 05 41.2 36.73N 31.45E 50 3.2L **¶602081027**
ISCJB XI 08 13 05 42.9–.92 36.83N–.09 31.25E–.05 100–12 3.2L
ISK XI 08 13 05 50.0 37.07N 32.21E 4–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=5.0km az=13.7.
ISK Event type ke.
ISC XI 08 17 27 57.2–1.3 37.32N–.04 37.12E–.05 6–11 13 0-1
ISK XI 08 17 27 56.1 37.37N 37.16E 5–0 1.9L **¶602081037**
ISCJB XI 08 17 27 57.3–.92 37.30N–.04 37.08E–.08 1–14 1.9L
DDA XI 08 17 27 57.8 37.29N 37.15E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.3km az=153.8.
DDA Event type ke.
ISC XI 08 19 12 57.2–1.4 38.72N–.05 42.49E–.06 3–19 8 0-1
DDA XI 08 19 12 57.5 38.71N 42.55E 7 2.6L **¶602983475**
ISC Event type ke.
DDA Event type ke.
ISC XI 08 19 25 45.1–.95 39.15N–.03 29.17E–.04 13–7 23 0-2

DDA XI 08 19 25 44.5 39.14N 29.11E 7 2.8L ¶602081038
ISK XI 08 19 25 44.7 39.15N 29.18E 9–0 2.3L
ISCJB XI 08 19 25 45.3–.55 39.13N–.03 29.10E–.05 14–4 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 08 21 31 38.9–.92 40.70N–.03 39.88E–.03 12–8 29 0-2
ISK XI 08 21 31 37.9 40.69N 39.87E 12–0 2.6L ¶602081040
ISCJB XI 08 21 31 38.7–.44 40.70N–.02 39.90E–.03 4–4 2.6L
DDA XI 08 21 31 38.1 40.92N 39.82E 34 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=154.9.
DDA Event type ke.
ISC XI 08 21 55 50.3–.97 38.63N–.04 43.29E–.03 16–7 19 0-1
ISK XI 08 21 55 49.3 38.67N 43.21E 5–0 2.1L ¶602081042
DDA XI 08 21 55 50.7 38.64N 43.25E 8 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 09 01 10 07.8–1.2 39.13N–.03 29.13E–.04 5–12 18 0-2
ISCJB XI 09 01 10 07.9–.60 39.14N–.03 29.06E–.05 2–7 ¶602081049
DDA XI 09 01 10 07.8 39.15N 29.07E 7 2.5L
ISK XI 09 01 10 07.0 39.08N 29.18E 7–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.3km az=14.8.
DDA Event type ke.
ISK Event type ke.
ISC XI 09 05 40 16.2–1.1 37.76N–.02 36.56E–.02 5–11 59 0-4
ISCJB XI 09 05 40 15.9–.75 37.73N–.03 36.56E–.03 2–6 ¶602081062
DDA XI 09 05 40 15.1 37.80N 36.45E 5 3.6L
ISK XI 09 05 40 16.0 37.73N 36.53E 10–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=144.8.
DDA Event type ke.
ISK Event type ke.
ISC XI 09 09 00 04.6–1.1 37.94N–.03 28.96E–.05 5–12 17 0-2
ISK XI 09 09 00 04.3 37.87N 28.90E 6–0 1.9L ¶602081072
DDA XI 09 09 00 05.2 37.89N 29.06E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISK XI 09 12 50 08.7 37.20N 42.75E 10–0 2.6L
ISN XI 09 12 50 10.3–.75 37.16N 42.77E 15 2.6L ¶602081095
ISK Event type ke.
ISN Error ellipse: s-maj=8.6km s-min=3.9km az=-1.0.
ISC XI 09 14 39 59.1–1.0 39.00N–.05 43.67E–.04 18–4 17 0-1
ISK XI 09 14 39 59.7 38.89N 43.91E 15–0 2.6L ¶602081104
DDA XI 09 14 40 00.9 39.01N 43.65E 14 3.2L
ISCJB XI 09 14 40 01.1–.62 39.03N–.04 43.66E–.06 13–6 3.2L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 09 17 42 09.2–1.2 37.34N–.05 37.16E–.04 8–10 15 0-2
ISK XI 09 17 42 08.7 37.33N 37.15E 8–1 2.0L ¶602081115
ISCJB XI 09 17 42 09.4–.74 37.31N–.05 37.13E–.06 7–10 2.0L
DDA XI 09 17 42 09.4 37.29N 37.20E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=41.9.
DDA Event type ke.
ISC XI 09 18 56 10.8–1.2 40.05N–.03 38.27E–.02 3–11 63 0-4
ISK XI 09 18 56 10.2 40.06N 38.28E 7–0 3.6L ¶602081118
DDA XI 09 18 56 10.1 40.03N 38.25E 1 3.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 09 19 28 32.3–.88 39.13N–.03 29.02E–.03 12–6 25 0-2
ISCJB XI 09 19 28 32.4–.44 39.12N–.03 29.02E–.04 10–3 ¶602081119
ISK XI 09 19 28 32.1 39.16N 29.03E 9–0 1.9L
DDA XI 09 19 28 32.0 39.12N 29.02E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=15.8.
ISK Event type ke.
DDA Event type ke.
ISC XI 10 02 47 49.2–1.1 37.38N–.03 37.04E–.03 9–10 22 0-2
ISK XI 10 02 47 48.7 37.38N 37.01E 5–0 2.2L ¶602081154
ISCJB XI 10 02 47 49.1–.64 37.36N–.03 37.00E–.04 5–6 2.2L
DDA XI 10 02 47 49.9 37.36N 37.11E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=28.4.
DDA Event type ke.
ISC XI 10 08 24 01.0–1.1 38.71N–.03 39.96E–.03 11–11 25 0-2
ISK XI 10 08 24 00.3 38.73N 39.95E 12–0 2.3L ¶602081161
DDA XI 10 08 24 01.1 38.68N 39.99E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 10 09 24 38.0–.99 39.09N–.03 29.18E–.04 17–9 18 0-2
ISCJB XI 10 09 24 38.0–.69 39.07N–.04 29.18E–.06 11–6 ¶602081164
DDA XI 10 09 24 37.4 39.11N 29.15E 7 2.5L
ISK XI 10 09 24 38.4 39.14N 29.20E 5–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=38.4.
DDA Event type ke.
ISK Event type ke.
ISC XI 10 10 38 11.7–1.1 39.03N–.06 35.20E–.03 7 17 0-2
ISK XI 10 10 38 11.4 39.04N 35.15E 5–0 2.2L ¶602081170
ISCJB XI 10 10 38 12.3–.63 39.03N–.04 35.19E–.04 7 2.2L
DDA XI 10 10 38 12.1 39.05N 35.22E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=151.2.
DDA Event type ke.
ISC XI 10 10 51 19.3–.96 38.85N–.03 35.79E–.03 5–8 20 0-2
DDA XI 10 10 51 19.5 38.80N 35.78E 7 2.5L ¶602081172
ISK XI 10 10 51 19.0 38.89N 35.83E 6–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 10 11 00 31.9–1.1 38.70N–.02 43.14E–.02 2–8 3.9b 106 0-52
AZER XI 10 11 00 24.5–3.5 38.30N 42.10E 15 3.9L ¶602054301
ISK XI 10 11 00 30.9 38.67N 43.16E 5–0 3.8L
NEIC XI 10 11 00 31.0–.00 38.67N 43.17E 5 4.1b,4.0L
DDA XI 10 11 00 31.7 38.68N 43.16E 18 4.0L,4.0L
IDC XI 10 11 00 33.2–1.1 38.57N 43.63E 0 3.9L,3.8
ISC Event type ke.
AZER Error ellipse: s-maj=45.1km s-min=12.1km az=3.0.
ISK Event type ke.
NEIC Event type se. After ISK.
DDA Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=11.0km az=140.0.
ISC XI 10 12 02 58.4–1.2 39.97N–.06 40.77E–.06 7–14 16 0-4
ISCJB XI 10 12 02 58.4–.65 39.92N–.04 40.81E–.04 7–7 ¶602081175
DDA XI 10 12 02 58.4 40.28N 40.81E 4 2.8L
ISK XI 10 12 02 58.2 39.92N 40.76E 9–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=175.9.
DDA Event type ke.
ISK Event type ke.
ISC XI 10 14 54 20.3–1.1 38.67N–.03 43.15E–.03 18–4 23 0-2
ISK XI 10 14 54 19.6 38.67N 43.12E 7–0 2.5L ¶602081185
ISCJB XI 10 14 54 20.9–.44 38.67N–.03 43.15E–.04 16–10 2.5L
DDA XI 10 14 54 20.6 38.68N 43.17E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=3.6.
DDA Event type ke.
ISC XI 10 16 10 09.8–1.6 37.97N–.07 29.39E–.09 11 7 0-1
ISCJB XI 10 16 10 10.2–1.7 37.95N–.09 29.4E–.10 11 ¶602983508
DDA XI 10 16 10 10.2 37.96N 29.35E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=9.1km az=39.6.
DDA Event type ke.
ISC XI 11 01 03 27.3–.98 39.01N–.03 29.46E–.04 9–6 24 0-2
ISCJB XI 11 01 03 27.3–.64 39.01N–.03 29.46E–.05 8–4 ¶602081199
DDA XI 11 01 03 27.7 39.00N 29.42E 7 2.9L
ISK XI 11 01 03 27.6 39.07N 29.34E 5–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=17.2.
DDA Event type ke.
ISK Event type ke.
ISC XI 11 03 33 27.5–.97 38.65N–.04 43.15E–.03 11–9 23 0-2
ISK XI 11 03 33 26.7 38.64N 43.15E 4–0 2.4L ¶602081200
ISCJB XI 11 03 33 27.8–.49 38.66N–.03 43.16E–.03 12–5 2.4L
DDA XI 11 03 33 27.8 38.64N 43.19E 7 2.6
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=162.6.
DDA Event type ke.
ISC XI 11 08 29 17.2–1.0 37.48N–.03 36.12E–.03 8–9 29 0-3
ISK XI 11 08 29 16.1 37.49N 36.14E 5–0 2.6L ¶602081207
DDA XI 11 08 29 21.0 37.52N 36.43E 8 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 11 08 33 14.7–1.5 38.56N–.08 28.66E–.07 7–13 10 0-1
ISCJB XI 11 08 33 13.9–1.8 38.56N–.08 28.7E–.10 11–9 ¶602983521
DDA XI 11 08 33 14.9 38.60N 28.64E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=7.9km az=41.7.
DDA Event type ke.
ISK XI 11 13 08 22.6 37.21N 42.50E 8–0 2.8L
ISN XI 11 13 08 21.4–.30 37.12N 42.56E 0 2.7L ¶602081212
ISK Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
ISC XI 11 14 13 11.8–.94 37.33N–.04 37.11E–.04 12–8 16 0-2
ISK XI 11 14 13 10.5 37.35N 37.15E 17–0 2.1L ¶602081213
ISCJB XI 11 14 13 12.0–.56 37.32N–.03 37.07E–.04 9–5 2.1L
DDA XI 11 14 13 13.1 37.32N 37.20E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=137.1.
DDA Event type ke.
ISC XI 11 14 14 01.0–1.2 39.06N–.04 29.17E–.06 12–7 18 0-2
ISCJB XI 11 14 14 00.2–1.1 39.02N–.04 29.25E–.06 6–8 ¶602081214
DDA XI 11 14 14 00.5 39.10N 29.15E 7 2.5L
ISK XI 11 14 14 01.2 39.04N 29.12E 19–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.4km az=20.1.
DDA Event type ke.
ISK Event type ke.
ISC XI 11 17 15 30.7–.98 37.32N–.03 37.15E–.03 9–8 21 0-1
ISCJB XI 11 17 15 30.8–.57 37.30N–.04 37.12E–.06 6–8 ¶602081221
ISK XI 11 17 15 30.0 37.34N 37.14E 6–0 1.7L
DDA XI 11 17 15 31.1 37.31N 37.18E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.3km az=139.5.
ISK Event type ke.
DDA Event type ke.
ISC XI 11 23 14 34.3–.93 37.29N–.03 37.13E–.02 13–7 38 0-3
ISK XI 11 23 14 33.8 37.31N 37.13E 14–0 2.8L ¶602081231
ISCJB XI 11 23 14 34.5–.48 37.29N–.03 37.12E–.03 8–4 2.8L
DDA XI 11 23 14 34.1 37.30N 37.16E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=15.4.
DDA Event type ke.
ISC XI 12 19 29 06.6–1.1 38.90N–.03 31.48E–.02 9–10 31 0-2
DDA XI 12 19 29 06.0 38.92N 31.50E 7 2.8L ¶602081273
ISK XI 12 19 29 06.5 38.88N 31.48E 5–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 12 19 33 25.4–1.0 39.90N–.03 36.77E–.03 10–9 21 0-2
ISCJB XI 12 19 33 25.3–.55 39.93N–.03 36.75E–.03 5–6 ¶602081274
ISK XI 12 19 33 25.1 39.89N 36.76E 5–0 1.9L
DDA XI 12 19 33 25.9 39.86N 36.81E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=160.6.
ISK Event type ke.
DDA Event type ke.
ISC XI 12 23 52 20.0–1.1 38.06N–.03 38.19E–.04 15–10 18 0-2
ISCJB XI 12 23 52 20.9–.51 38.05N–.03 38.18E–.06 21–6 ¶602081284
ISK XI 12 23 52 20.7 38.05N 38.15E 28–2 1.9L
DDA XI 12 23 52 20.2 38.04N 38.25E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.6km az=165.4.
ISK Event type ke.
DDA Event type ke.
ISC XI 13 00 45 13.1–1.0 40.86N–.02 35.23E–.02 9–9 63 0-3
ISK XI 13 00 45 11.9 40.84N 35.24E 3–0 2.8L ¶602081295
ISCJB XI 13 00 45 12.6–.49 40.86N–.02 35.24E–.02 0–4 2.8L
DDA XI 13 00 45 12.5 40.87N 35.22E 18 3.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=161.7.
DDA Event type ke.
ISC XI 13 05 06 44.5–.83 40.62N–.02 29.06E–.02 14–6 58 0-2
DDA XI 13 05 06 43.9 40.61N 29.07E 7 2.8L ¶602081304
ISCJB XI 13 05 06 44.4–.30 40.64N–.02 29.06E–.02 7–3 2.8L
ISK XI 13 05 06 44.1 40.63N 29.06E 7–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=149.0.
ISK Event type ke.
ISK XI 13 13 29 40.9 39.58N 32.75E 14–0 1.9L
¶602081335
ISK Event type ke.
ISC XI 13 13 54 22.0–.89 39.50N–.03 28.12E–.03 11 21 0-2
ISCJB XI 13 13 54 21.9–.46 39.47N–.04 28.12E–.04 11 ¶602081337
ISK XI 13 13 54 21.4 39.47N 28.13E 11–0 2.1L
DDA XI 13 13 54 22.0 39.51N 28.08E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=176.3.
ISK Event type ke.
DDA Event type ke.
ISC XI 13 16 14 53.4–.98 39.04N–.03 29.66E–.03 13–9 27 0-2
DDA XI 13 16 14 53.0 39.05N 29.66E 7 2.9L ¶602081349

ISK XI 13 16 14 52.9 39.05N 29.67E 6–0 2.3L
ISCJB XI 13 16 14 53.3–.66 39.04N–.02 29.67E–.04 6–5 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 13 17 47 18.7–.94 39.14N–.03 29.00E–.03 14–6 25 0-1
ISCJB XI 13 17 47 19.0–.42 39.14N–.03 29.00E–.03 10–3 ¶602081356
DDA XI 13 17 47 18.9 39.14N 29.01E 7 2.5L
ISK XI 13 17 47 18.6 39.17N 29.02E 6–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=152.6.
DDA Event type ke.
ISK Event type ke.
ISC XI 13 21 59 07.6–1.1 37.31N–.03 37.15E–.03 18–3 50 0-3
ISK XI 13 21 59 06.1 37.33N 37.14E 8–0 3.4L ¶602081394
DDA XI 13 21 59 06.4 37.31N 37.11E 26 3.6L
ISCJB XI 13 21 59 07.5–.37 37.28N–.03 37.15E–.03 19–4 3.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 13 22 31 29.6–1.0 37.30N–.04 37.12E–.03 12–8 16 0-1
ISCJB XI 13 22 31 29.9–.73 37.30N–.05 37.08E–.04 11–7 ¶602081407
DDA XI 13 22 31 29.7 37.32N 37.10E 7 2.9L
ISK XI 13 22 31 29.4 37.27N 37.13E 16–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=12.2.
DDA Event type ke.
ISK Event type ke.
ISC XI 13 23 55 50.3–.59 37.31N–.02 37.15E–.01 10–3 4.4b,4.0s 417 0-133
HLW XI 13 23 54 45.3 42.48N 34.23E 10–31 5.2L,4.0s ¶601891454
NIC XI 13 23 55 47.8–.30 37.21N 37.60E 17 4.9b,4.6L
NEIC XI 13 23 55 48.9–.00 37.27N 37.11E 13 4.7L,4.5b
IDC XI 13 23 55 48.7–.49 37.30N 37.08E 0 4.2,4.1
MOS XI 13 23 55 48.9–1.1 37.34N 37.12E 11 4.4b,4.1
ISK XI 13 23 55 48.9 37.27N 37.10E 15–0 4.9L,4.1
DDA XI 13 23 55 48.7 37.31N 37.12E 23 4.7L,4.1
GII XI 13 23 55 50.0–.00 37.32N 37.12E 11 4.6b,4.6
DSN XI 13 23 55 54.0–.48 37.33N 37.57E 15 4.5b,4.6
ISC Event type fe.
NEIC Event type fe. Felt [III] at Gaziantep. Also felt at Pazarcik. Felt at Aleppo, Syria. After ISK.
IDC Error ellipse: s-maj=9.3km s-min=8.9km az=53.0.
MOS Error ellipse: s-maj=7.1km s-min=3.8km az=99.3.
ISK Event type ke.
DDA Event type ke.
GII Event type ke.
DSN Error ellipse: s-maj=8.1km s-min=6.6km az=54.0.
ISC XI 14 00 02 00.6–.65 37.33N–.02 37.16E–.02 11–4 3.9b 208 0-89
IDC XI 14 00 01 58.7–.77 37.32N 37.18E 0 3.8,3.8b ¶601897593
ISK XI 14 00 01 59.3 37.32N 37.13E 12–0 4.4L,3.8b
ISCJB XI 14 00 01 59.8–.47 37.30N–.02 37.14E–.02 13–3 4.0b,3.8b
MOS XI 14 00 01 59.2–1.0 37.39N 37.20E 11 4.1b,3.8b
NEIC XI 14 00 01 59.4–.00 37.31N 37.12E 12 4.4L,4.3b
DDA XI 14 00 01 59.5 37.31N 37.12E 28 4.4L,4.3b
NIC XI 14 00 02 01.4–.30 37.93N 36.38E 15 4.6b,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.0km az=119.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=157.1.
MOS Error ellipse: s-maj=9.5km s-min=5.2km az=97.4.
NEIC Event type se. After ISK.
DDA Event type ke.
DDA XI 14 00 03 20.2 37.34N 37.19E 7 4.0L
¶602983584
DDA Event type ke.
ISC XI 14 00 07 36.1–.97 37.29N–.03 37.11E–.04 10–8 18 0-2
ISK XI 14 00 07 35.8 37.27N 37.09E 12–0 2.4L ¶602081427
ISCJB XI 14 00 07 36.3–.64 37.26N–.04 37.08E–.04 11–5 2.4L
DDA XI 14 00 07 36.6 37.29N 37.04E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.8km az=5.2.
DDA Event type ke.
ISC XI 14 00 09 07.3–1.1 37.29N–.03 37.16E–.04 11–9 16 0-2
DDA XI 14 00 09 06.2 37.24N 37.13E 7 2.9L ¶602081428
ISCJB XI 14 00 09 07.3–.84 37.28N–.04 37.13E–.05 2–8 2.9L
ISK XI 14 00 09 07.5 37.30N 37.13E 8–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=150.8.
ISK Event type ke.
ISC XI 14 00 16 03.5–.94 37.31N–.03 37.14E–.02 10–8 31 0-3
ISK XI 14 00 16 02.8 37.32N 37.12E 4–0 3.2L ¶602081429
DDA XI 14 00 16 03.3 37.32N 37.16E 7 3.2L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 14 00 24 32.9–.97 37.30N–.03 37.13E–.04 10–8 17 0-2
DDA XI 14 00 24 32.6 37.32N 37.11E 7 2.7L ¶602081434
ISK XI 14 00 24 32.6 37.31N 37.14E 8–0 2.4L
ISCJB XI 14 00 24 33.2–.69 37.28N–.05 37.09E–.06 4–9 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 14 00 25 15.3–.96 37.27N–.03 37.10E–.03 10–8 18 0-2
ISCJB XI 14 00 25 15.7–.57 37.26N–.04 37.06E–.04 11–6 ¶602081437
DDA XI 14 00 25 15.3 37.30N 37.15E 7 2.7L
ISK XI 14 00 25 15.1 37.23N 37.08E 14–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=23.6.
DDA Event type ke.
ISK Event type ke.
ISC XI 14 00 43 59.5–1.0 37.31N–.03 37.12E–.04 9–8 18 0-2
ISCJB XI 14 00 43 59.4–.78 37.31N–.03 37.10E–.04 1–8 ¶602081441
DDA XI 14 00 43 59.1 37.29N 37.10E 7 2.5L
ISK XI 14 00 43 59.2 37.32N 37.15E 8–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=141.6.
DDA Event type ke.
ISK Event type ke.
ISC XI 14 02 22 54.8–1.3 37.37N–.04 37.17E–.04 5–14 15 0-2
ISCJB XI 14 02 22 54.9–.88 37.34N–.06 37.12E–.05 8–9 ¶602081461
ISK XI 14 02 22 54.1 37.36N 37.18E 7–0 2.0L
DDA XI 14 02 22 56.0 37.28N 37.21E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.0km az=22.2.
ISK Event type ke.
DDA Event type ke.
ISC XI 14 03 39 16.5–1.0 38.55N–.02 43.70E–.03 11–8 52 0-2
ISK XI 14 03 39 15.8 38.57N 43.68E 10–0 2.2L ¶602983593
DDA XI 14 03 39 16.4 38.54N 43.68E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 14 03 46 56.9–.96 37.32N–.03 37.14E–.03 10–8 26 0-2
ISK XI 14 03 46 56.1 37.34N 37.16E 8–0 2.2L ¶602081475
ISCJB XI 14 03 46 57.3–.63 37.30N–.04 37.11E–.05 4–9 2.2L
DDA XI 14 03 46 57.1 37.32N 37.14E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.1km az=40.1.
DDA Event type ke.
ISC XI 14 06 15 18.7–.00 37.30N–.03 37.13E–.03 9–9 20 0-1
ISCJB XI 14 06 15 18.8–.58 37.32N–.04 37.13E–.06 5–9 ¶602081497
ISK XI 14 06 15 18.1 37.32N 37.10E 6–0 2.1L
DDA XI 14 06 15 19.3 37.30N 37.21E 7 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=145.4.
ISK Event type ke.
DDA Event type ke.
ISC XI 14 09 59 21.2–.86 38.90N–.02 43.53E–.02 11–6 91 0-4
ISK XI 14 09 59 20.4 38.91N 43.58E 5–0 3.7L ¶602081519
DDA XI 14 09 59 20.6 38.91N 43.56E 16 3.6L
ISCJB XI 14 09 59 21.6–.41 38.92N–.02 43.57E–.02 6–3 3.6L
TEH XI 14 09 59 21.1 38.91N 43.57E 12 3.4L
AZER XI 14 09 59 24.4–19 39.03N 43.78E 19–0 3.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=159.1.
AZER Error ellipse: s-maj=9.9km s-min=5.2km az=235.0.
ISC XI 14 10 01 47.1–1.2 37.34N–.04 37.15E–.03 9–9 17 0-1
ISK XI 14 10 01 46.6 37.34N 37.14E 4–0 2.2L ¶602081521
ISCJB XI 14 10 01 47.1–.78 37.31N–.04 37.15E–.04 2–7 2.2L
DDA XI 14 10 01 47.3 37.30N 37.15E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=33.9.
DDA Event type ke.
ISC XI 14 11 08 48.6–1.0 37.32N–.03 37.13E–.04 7–10 17 0-2
ISK XI 14 11 08 47.8 37.32N 37.12E 5–0 2.3L ¶602081532
ISCJB XI 14 11 08 48.7–.61 37.30N–.04 37.09E–.06 6–7 2.3L
DDA XI 14 11 08 49.8 37.32N 37.20E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=141.2.
DDA Event type ke.
ISC XI 14 11 29 58.8–1.3 37.35N–.04 37.17E–.04 3–13 16 0-1
ISK XI 14 11 29 58.2 37.35N 37.14E 8–0 2.1L ¶602081533
ISCJB XI 14 11 29 59.0–.62 37.32N–.04 37.10E–.06 6–8 2.1L
DDA XI 14 11 29 59.7 37.31N 37.19E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.2km az=141.7.
DDA Event type ke.
ISC XI 14 16 47 39.3–1.3 40.00N–.04 32.49E–.05 8 12 0-1
DDA XI 14 16 47 29.2 39.49N 31.97E 7 2.6L ¶602081548
ISK XI 14 16 47 35.9 40.17N 32.51E 9–0 2.0L
ISCJB XI 14 16 47 38.5–.73 39.99N–.05 32.43E–.06 8 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 14 18 26 29.2–2.4 38.85N–.06 43.79E–.09 16–15 15 0-1
ISK XI 14 18 26 31.3 38.81N 43.80E 24–0 2.0L ¶602081554
DDA XI 14 18 26 32.7 38.93N 43.58E 17 2.6L
ISCJB XI 14 18 26 33.3–.64 38.92N–.04 43.62E–.08 15–6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 14 19 26 12.9–1.0 37.34N–.04 37.12E–.03 9–10 17 0-2
ISCJB XI 14 19 26 12.9–.55 37.32N–.04 37.08E–.06 8–7 ¶602081557
DDA XI 14 19 26 12.7 37.32N 37.14E 7 3.0L
ISK XI 14 19 26 12.3 37.35N 37.11E 6–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=138.0.
DDA Event type ke.
ISK Event type ke.
ISC XI 14 21 45 55.2–1.0 37.32N–.03 37.13E–.03 7–9 26 0-3
ISK XI 14 21 45 54.4 37.33N 37.13E 7–0 2.7L ¶602081562
ISCJB XI 14 21 45 55.2–.55 37.29N–.03 37.11E–.04 5–5 2.7L
DDA XI 14 21 45 55.7 37.28N 37.19E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=142.3.
DDA Event type ke.
ISC XI 15 02 08 47.5–.94 37.33N–.03 37.13E–.03 11–8 24 0-2
ISCJB XI 15 02 08 47.6–.63 37.34N–.04 37.12E–.05 3–8 ¶602081590
DDA XI 15 02 08 47.8 37.34N 37.13E 7 3.0L
ISK XI 15 02 08 47.0 37.35N 37.13E 8–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=136.8.
DDA Event type ke.
ISK Event type ke.
ISC XI 15 04 07 55.8–.96 37.32N–.04 37.11E–.04 10–7 16 0-1
DDA XI 15 04 07 55.5 37.32N 37.14E 7 2.5L ¶602081592
ISK XI 15 04 07 55.2 37.32N 37.10E 9–0 1.7L
ISCJB XI 15 04 07 56.1–.58 37.30N–.04 37.10E–.05 7–6 1.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 15 08 23 26.3–.93 37.29N–.03 37.13E–.03 9–8 24 0-3
ISK XI 15 08 23 25.7 37.31N 37.13E 6–0 2.4L ¶602081601
ISCJB XI 15 08 23 26.3–.57 37.30N–.03 37.12E–.04 2–7 2.4L
DDA XI 15 08 23 26.5 37.30N 37.12E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=39.1.
DDA Event type ke.
ISC XI 15 10 29 39.0–.95 37.30N–.03 37.11E–.03 10–8 23 0-2
ISCJB XI 15 10 29 38.9–.66 37.29N–.04 37.10E–.05 2–8 ¶602081609
ISK XI 15 10 29 38.3 37.33N 37.11E 6–0 2.1L
DDA XI 15 10 29 39.0 37.31N 37.14E 6 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.2km az=45.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 15 12 35 55.4–1.1 40.90N–.03 34.07E–.04 13–11 21 0-2
ISK XI 15 12 35 55.6 40.87N 34.05E 10–0 2.2L ¶602081618
ISCJB XI 15 12 35 56.0–.53 40.86N–.03 34.05E–.04 4–6 2.2L
DDA XI 15 12 35 56.1 40.84N 34.04E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=23.1.
DDA Event type ke.
ISC XI 15 13 57 04.1–.93 37.56N–.04 36.35E–.04 7–6 17 0-2
ISK XI 15 13 57 03.8 37.59N 36.39E 8–0 2.3L ¶602081619
DDA XI 15 13 57 04.3 37.55N 36.34E 4 2.7
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 15 14 06 24.5–.95 37.51N–.04 38.79E–.05 10–7 13 0-2
ISK XI 15 14 06 24.0 37.54N 38.80E 8–0 2.1L ¶602081621
ISCJB XI 15 14 06 25.0–.64 37.49N–.05 38.78E–.06 8–7 2.1L
DDA XI 15 14 06 25.2 37.52N 38.76E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.2km az=135.7.

DDA Event type ke.
ISC XI 15 15 03 55.0–.93 39.90N–.02 39.75E–.02 12–8 45 0-3
ISK XI 15 15 03 54.4 39.89N 39.78E 4–0 3.4L **¶602081625**
ISCJB XI 15 15 03 55.2–.45 39.90N–.02 39.75E–.03 1–5 3.4L
DDA XI 15 15 03 55.4 39.92N 39.74E 18 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=44.0.
DDA Event type ke.
ISC XI 15 16 44 42.9–.98 39.13N–.04 29.15E–.05 11–9 16 0-2
ISK XI 15 16 44 42.5 39.14N 29.15E 10–0 2.0L **¶602081631**
ISCJB XI 15 16 44 43.2–.53 39.15N–.05 29.11E–.05 11–5 2.0L
DDA XI 15 16 44 43.3 39.13N 29.11E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=152.8.
DDA Event type ke.
ISC XI 15 17 22 42.8–1.3 36.06N–.03 31.12E–.02 8–10 71 1-4
ISCJB XI 15 17 22 43.0–.66 36.07N–.03 31.12E–.02 11–4 **¶601903357**
ISK XI 15 17 22 42.8 36.10N 31.09E 15–0 3.1L
DDA XI 15 17 22 43.7 36.04N 31.13E 44 3.1L
NIC XI 15 17 22 44.2–.20 36.24N 31.24E 55 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=27.2.
ISK Event type ke.
DDA Event type ke.
ISC XI 15 18 21 38.2–1.0 37.34N–.04 37.14E–.04 10–8 17 0-1
ISK XI 15 18 21 37.5 37.36N 37.13E 8–0 1.6L **¶602081633**
ISCJB XI 15 18 21 38.2–.83 37.34N–.04 37.15E–.05 1–10 1.6L
DDA XI 15 18 21 38.4 37.32N 37.18E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.5km az=44.8.
DDA Event type ke.
ISC XI 15 18 31 00.8–1.0 38.70N–.03 43.17E–.03 9–10 24 0-2
ISK XI 15 18 30 59.6 38.70N 43.17E 6–0 2.5L **¶602081634**
DDA XI 15 18 31 00.6 38.68N 43.19E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 16 01 54 58.0–1.0 39.80N–.02 30.53E–.02 15–9 96 0-7
DDA XI 16 01 54 57.6 39.78N 30.53E 20 3.3L **¶602081649**
ISK XI 16 01 54 57.2 39.82N 30.56E 5–0 3.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 16 04 48 28.6–1.2 36.10N–.03 31.21E–.02 29–13 76 1-7
ISK XI 16 04 48 28.4 36.09N 31.22E 25–0 3.3L **¶602081656**
DDA XI 16 04 48 29.7 36.26N 31.23E 53 3.2L
HLW XI 16 04 48 30.7 36.06N 31.84E 33–32 3.3L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 16 06 54 54.8–.88 37.57N–.02 27.21E–.02 13–7 66 0-2
ISCJB XI 16 06 54 54.8–.40 37.57N–.02 27.18E–.03 3–4 **¶602081659**
THE XI 16 06 54 54.4 37.53N 27.17E 0–0 2.5L
ATH XI 16 06 54 54.9 37.58N 27.18E 16–1 2.6L
ISK XI 16 06 54 54.6 37.55N 27.12E 8–0 2.8L
DDA XI 16 06 54 55.1 37.59N 27.24E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=150.6.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=61.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=256.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISC XI 16 09 19 39.6–1.7 37.33N–.07 42.55E–.05 7–10 19 0-2
DDA XI 16 09 19 36.8 37.30N 42.69E 5 2.8L **¶602081663**
ISK XI 16 09 19 40.4 37.47N 42.56E 11–1 2.3L
ISN XI 16 09 19 40.0–.30 37.12N 42.65E 0 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.7km az=-1.0.
ISC XI 16 10 52 14.7–1.1 37.29N–.03 37.12E–.03 7–9 28 0-2
ISCJB XI 16 10 52 14.6–.68 37.28N–.03 37.10E–.03 2–6 **¶602081670**
ISK XI 16 10 52 14.4 37.31N 37.12E 6–0 2.2L
DDA XI 16 10 52 14.6 37.29N 37.10E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=27.7.
ISK Event type ke.
DDA Event type ke.
ISC XI 16 15 15 03.2–.96 37.15N–.03 37.13E–.02 9–7 38 0-3
ISK XI 16 15 15 02.7 37.18N 37.13E 6–0 2.7L **¶602081688**
IASPE XI 16 15 15 03.1–1.0 37.16N–.03 37.15E–.03 6–8 2.7L
DDA XI 16 15 15 03.3 37.12N 37.14E 17 3.3L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=5.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
DDA Event type ke.
ISC XI 16 18 01 09.0–1.1 40.55N–.03 33.79E–.03 6–10 34 0-3
ISCJB XI 16 18 01 08.8–.50 40.56N–.03 33.76E–.03 3–5 **¶602081698**
ISK XI 16 18 01 08.2 40.55N 33.77E 5–0 2.5L
DDA XI 16 18 01 09.0 40.57N 33.77E 6 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=162.7.
ISK Event type ke.
DDA Event type ke.
ISC XI 16 19 16 34.0–.90 37.60N–.03 36.36E–.03 5–6 22 0-2
ISK XI 16 19 16 33.6 37.59N 36.37E 9–0 2.4L **¶602081701**
ISCJB XI 16 19 16 34.3–.48 37.59N–.03 36.36E–.04 5–3 2.4L
DDA XI 16 19 16 34.3 37.60N 36.37E 2 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=36.1.
DDA Event type ke.
ISC XI 16 21 16 30.8–1.1 38.52N–.03 31.58E–.03 5–11 23 0-2
ISCJB XI 16 21 16 31.0–.51 38.52N–.03 31.61E–.04 8–6 **¶602081705**
DDA XI 16 21 16 30.8 38.54N 31.61E 10 2.7L
ISK XI 16 21 16 30.9 38.50N 31.64E 10–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=173.7.
DDA Event type ke.
ISK Event type ke.
ISC XI 16 21 17 18.1–1.2 38.64N–.05 43.01E–.04 10–13 13 0-1
DDA XI 16 21 17 17.6 38.65N 43.13E 7 2.5L **¶602081706**
ISK XI 16 21 17 17.8 38.63N 42.97E 5–0 1.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 16 21 26 01.9–.83 39.81N–.02 26.24E–.02 9–5 93 0-3
IASPE XI 16 21 26 01.9–.85 39.81N–.02 26.24E–.03 9–6 **¶602081708**
ISCJB XI 16 21 26 01.8–.35 39.82N–.02 26.24E–.03 9–3
ISK XI 16 21 26 01.4 39.82N 26.23E 9–0 3.1L
ATH XI 16 21 26 01.8 39.82N 26.22E 26–1 2.6L
THE XI 16 21 26 02.3 39.82N 26.22E 5–1 2.5L
ISC Event type ke.

IASPE Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=114.4. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=11.3.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=262.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=79.0.
ISC XI 16 21 34 09.4–.96 39.81N–.02 26.22E–.03 6–7 43 0-2
ISK XI 16 21 34 08.7 39.80N 26.22E 6–0 2.5L **¶602081710**
IASPE XI 16 21 34 09.5–1.0 39.82N–.02 26.23E–.03 5–8 2.5L
ISCJB XI 16 21 34 09.2–.40 39.82N–.02 26.20E–.03 4–4 2.5L
ATH XI 16 21 34 09.5 39.80N 26.19E 28–1 1.9L
DDA XI 16 21 34 11.5 39.96N 26.34E 7 2.8L
ISC Event type ke.
ISK Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=88.4. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=161.8.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=254.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 16 22 37 44.0–1.2 39.07N–.06 41.92E–.03 21–2 16 0-1
DDA XI 16 22 37 43.1 39.03N 41.88E 22 2.5L **¶602081714**
ISK XI 16 22 37 44.3 39.12N 41.94E 20–0 1.8L
ISCJB XI 16 22 37 45.4–.66 39.12N–.05 41.94E–.04 26–7 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 16 23 25 04.9–.95 37.33N–.04 37.14E–.03 12–7 18 0-1
DDA XI 16 23 25 04.8 37.32N 37.15E 7 2.6L **¶602081715**
ISK XI 16 23 25 04.7 37.33N 37.12E 8–0 1.5L
ISCJB XI 16 23 25 05.2–.58 37.31N–.04 37.12E–.05 6–7 1.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 17 05 03 47.8–.94 37.31N–.03 37.13E–.03 10–7 32 0-3
ISK XI 17 05 03 46.9 37.33N 37.12E 8–0 3.2L **¶602081734**
ISCJB XI 17 05 03 47.6–.55 37.31N–.03 37.11E–.03 6–5 3.2L
DDA XI 17 05 03 47.1 37.29N 37.13E 7 3.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=30.6.
DDA Event type ke.
ISC XI 17 07 21 48.3–1.0 37.34N–.03 37.16E–.04 8–9 20 0-2
ISK XI 17 07 21 47.4 37.36N 37.18E 10–0 2.6L **¶602081741**
ISCJB XI 17 07 21 48.4–.56 37.31N–.04 37.09E–.05 9–6 2.6L
DDA XI 17 07 21 49.0 37.31N 37.19E 7 3.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=135.0.
DDA Event type ke.
ISC XI 17 08 16 37.8–.92 38.79N–.03 43.24E–.04 13 17 0-2
ISK XI 17 08 16 36.7 38.77N 43.19E 9–0 2.5L **¶602081743**
ISCJB XI 17 08 16 37.9–.50 38.80N–.03 43.22E–.05 13 2.5L
DDA XI 17 08 16 38.0 38.79N 43.24E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=166.3.
DDA Event type ke.
ISC XI 17 09 56 15.0–1.0 37.63N–.04 36.31E–.02 6–7 24 0-2
ISK XI 17 09 56 13.9 37.66N 36.30E 8–0 2.5L **¶602081748**
DDA XI 17 09 56 14.9 37.62N 36.30E 5 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 17 10 19 47.0–1.2 37.87N–.03 38.92E–.04 12–11 13 0-1
DDA XI 17 10 19 47.3 37.88N 38.91E 7 2.7L **¶602983713**
ISC Event type ke.
DDA Event type ke.
ISC XI 17 11 34 42.0–1.2 38.84N–.04 37.82E–.04 13–9 15 0-2
ISK XI 17 11 34 41.0 38.92N 37.83E 11–1 2.0L **¶602081755**
ISCJB XI 17 11 34 42.6–.56 38.84N–.05 37.82E–.06 20–6 2.0L
DDA XI 17 11 34 42.9 38.85N 37.89E 18 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.9km az=139.8.
DDA Event type ke.
ISC XI 17 11 45 18.5–.90 38.99N–.04 30.06E–.04 10 15 1-2
ISK XI 17 11 45 17.9 38.96N 30.03E 9–1 1.9L **¶602081757**
ISCJB XI 17 11 45 18.8–.55 38.99N–.04 30.07E–.04 10 1.9L
DDA XI 17 11 45 18.6 39.01N 30.08E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=28.6.
DDA Event type ke.
ISC XI 17 11 57 06.4–3.6 38.59N–.09 43.9E–.20 5–20 12 0-1
DDA XI 17 11 57 09.8 38.66N 43.59E 7 2.5L **¶602983720**
ISC Event type ke.
DDA Event type ke.
ISC XI 17 14 10 09.1–.92 40.17N–.04 31.73E–.03 9 17 1-1
ISK XI 17 14 10 07.9 40.19N 31.80E 20–0 2.8L **¶602081761**
ISCJB XI 17 14 10 09.1–.53 40.16N–.04 31.74E–.05 9 2.8L
DDA XI 17 14 10 09.7 40.21N 31.72E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=38.9.
DDA Event type ke.
ISC XI 17 14 13 06.2–.94 37.44N–.03 28.10E–.03 11 20 0-2
ISK XI 17 14 13 05.6 37.45N 28.10E 5–0 2.2L **¶602081763**
ISCJB XI 17 14 13 06.3–.44 37.43N–.03 28.09E–.04 11 2.2L
DDA XI 17 14 13 06.3 37.45N 28.08E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=151.1.
DDA Event type ke.
ISC XI 17 14 35 19.9–.93 39.62N–.03 28.90E–.04 8 15 0-1
ISCJB XI 17 14 35 19.9–.52 39.66N–.04 28.91E–.04 8 **¶602081764**
ISK XI 17 14 35 19.5 39.62N 28.89E 13–0 2.2L
DDA XI 17 14 35 20.4 39.62N 28.89E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=170.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 17 14 35 31.6–1.1 37.45N–.03 27.86E–.05 15–8 13 0-1
ISCJB XI 17 14 35 31.5–.69 37.44N–.03 27.88E–.06 12–8 **¶602081765**
ISK XI 17 14 35 31.5 37.46N 27.83E 7–5 2.3L
DDA XI 17 14 35 33.9 37.69N 27.77E 14 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.9km az=6.9.
ISK Event type ke.
DDA Event type ke.
ISC XI 18 01 58 54.3–.91 37.46N–.03 38.73E–.02 7–7 32 0-3
ISK XI 18 01 58 53.7 37.39N 38.74E 7–0 2.5L **¶602081790**
ISCJB XI 18 01 58 54.5–.55 37.45N–.03 38.71E–.03 5–5 2.5L
DDA XI 18 01 58 54.1 37.46N 38.74E 7 2.7L

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=176.3.
DDA Event type ke.
ISC XI 18 02 43 03.4–.99 37.32N–.04 37.12E–.04 9–8 21 0-2
ISK XI 18 02 43 02.5 37.35N 37.16E 8–0 2.0L **¶602081793**
ISCJB XI 18 02 43 03.4–.66 37.32N–.04 37.13E–.05 3–8 2.0L
DDA XI 18 02 43 03.6 37.30N 37.14E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.3km az=40.7.
DDA Event type ke.
ISC XI 18 06 02 19.6–.89 39.15N–.03 29.07E–.02 13–7 31 0-2
ISCJB XI 18 06 02 19.5–.39 39.14N–.03 29.09E–.03 10–3 **¶602081796**
ISK XI 18 06 02 19.2 39.17N 29.10E 6–0 2.4L
DDA XI 18 06 02 19.1 39.14N 29.08E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=172.9.
ISK Event type ke.
DDA Event type ke.
ISC XI 18 10 00 46.2–1.1 40.98N–.06 38.05E–.03 15–10 22 0-2
ISK XI 18 10 00 45.5 40.95N 38.01E 7–0 2.4L **¶602081804**
ISCJB XI 18 10 00 46.8–.65 40.95N–.07 38.03E–.04 8–7 2.4L
DDA XI 18 10 00 46.3 40.96N 38.07E 6 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.7km az=173.8.
DDA Event type ke.
ISC XI 18 10 24 05.3–1.0 39.55N–.02 26.41E–.02 9–9 53 0-2
ISK XI 18 10 24 04.7 39.55N 26.35E 9–0 2.5L **¶602081807**
ISCJB XI 18 10 24 05.4–.46 39.57N–.02 26.44E–.03 3–4 2.5L
ATH XI 18 10 24 05.3 39.56N 26.47E 22–2 2.0L
DDA XI 18 10 24 05.5 39.57N 26.43E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=163.9.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=249.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 18 15 44 21.6–1.0 39.52N–.02 39.85E–.02 5–8 84 0-55
ISK XI 18 15 44 20.0 39.51N 39.89E 5–0 4.0L **¶602081814**
DDA XI 18 15 44 20.7 39.52N 39.85E 5 3.8L
IDC XI 18 15 44 24.4–1.2 39.74N 39.46E 0 3.5b,3.4
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=12.1km az=166.0.
ISC XI 18 15 52 26.6–.96 39.51N–.03 39.87E–.03 8–9 30 0-2
ISK XI 18 15 52 25.9 39.50N 39.86E 7–0 2.6L **¶602081819**
DDA XI 18 15 52 26.9 39.54N 39.87E 14 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 18 16 31 32.0–1.0 39.53N–.02 39.89E–.02 6–11 55 0-4
ISK XI 18 16 31 30.9 39.55N 39.89E 5–0 3.7L **¶602081824**
DDA XI 18 16 31 31.4 39.53N 39.88E 5 3.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 18 16 57 15.1–1.1 40.81N–.03 34.59E–.03 11–9 26 0-2
ISCJB XI 18 16 57 14.8–.53 40.81N–.03 34.58E–.03 5–5 **¶602081829**
DDA XI 18 16 57 14.9 40.82N 34.60E 7 2.7L
ISK XI 18 16 57 14.3 40.79N 34.59E 7–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=162.4.
DDA Event type ke.
ISK Event type ke.
ISC XI 18 18 45 33.4–1.2 38.90N–.03 43.46E–.04 14–9 20 0-1
ISK XI 18 18 45 32.8 38.88N 43.45E 19–0 2.0L **¶602081838**
ISCJB XI 18 18 45 33.9–.72 38.90N–.03 43.51E–.05 20–6 2.0L
DDA XI 18 18 45 33.9 38.89N 43.43E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=9.5.
DDA Event type ke.
ISC XI 18 19 13 31.8–1.1 39.51N–.02 39.87E–.02 1–10 62 0-4
ISK XI 18 19 13 30.3 39.48N 39.88E 5–0 3.5L **¶602081841**
DDA XI 18 19 13 31.0 39.53N 39.88E 15 3.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 18 19 18 45.3–.90 37.31N–.02 37.14E–.02 10–7 66 0-3
ISK XI 18 19 18 44.8 37.31N 37.09E 7 3.8L **¶602081842**
ISCJB XI 18 19 18 45.3–.47 37.30N–.02 37.11E–.02 6–4 3.8L
DDA XI 18 19 18 45.1 37.33N 37.13E 28 4.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=1.4.
DDA Event type ke.
ISC XI 18 20 08 32.7–.97 38.91N–.04 43.57E–.04 15–6 21 0-1
DDA XI 18 20 08 33.0 38.93N 43.52E 15 2.9L **¶602081846**
ISK XI 18 20 08 32.9 38.93N 43.54E 16–0 2.1L
ISCJB XI 18 20 08 33.5–.57 38.94N–.03 43.55E–.04 15–4 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 18 21 50 38.4–1.1 38.37N–.02 42.03E–.03 6–10 32 0-2
ISCJB XI 18 21 50 38.6–.55 38.38N–.03 42.03E–.03 1–5 **¶602081854**
DDA XI 18 21 50 38.3 38.35N 42.04E 7 2.6L
ISK XI 18 21 50 38.5 38.40N 42.01E 5–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=38.6.
DDA Event type ke.
ISK Event type ke.
ISC XI 18 23 22 36.1–.89 37.31N–.03 37.14E–.03 14–7 33 0-3
ISK XI 18 23 22 35.9 37.33N 37.11E 5–0 2.6L **¶602081858**
ISCJB XI 18 23 22 36.2–.58 37.30N–.03 37.08E–.04 3–6 2.6L
DDA XI 18 23 22 36.4 37.34N 37.07E 20 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=40.2.
DDA Event type ke.
ISC XI 19 05 02 32.1–.90 39.12N–.03 29.02E–.02 16–6 31 0-2
ISK XI 19 05 02 31.9 39.16N 29.03E 5–0 2.2L **¶602081885**
DDA XI 19 05 02 31.8 39.10N 29.02E 7 2.9L
ISCJB XI 19 05 02 32.0–.40 39.11N–.03 29.02E–.03 10–3 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 19 12 16 45.5–.00 36.08N–.04 29.09E–.03 32–9 81 0-4
ATH XI 19 12 16 43.8 36.07N 29.12E 46–9 3.1L **¶602081905**
ISK XI 19 12 16 43.2 36.02N 28.98E 12–0 3.5L
DDA XI 19 12 16 44.6 36.12N 29.02E 23 3.5L
THE XI 19 12 16 45.6 36.11N 29.06E 17–2 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.2km s-min=1.0km az=91.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.4km az=61.0.
ISK XI 19 13 41 36.1 37.41N 42.34E 5–0 2.5L
ISN XI 19 13 41 22.7–.30 37.42N 42.38E 0 2.5L **¶602081908**
ISK Event type ke.
ISN Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
ISC XI 19 14 44 51.5–.92 37.31N–.03 37.12E–.03 11–7 24 0-2
ISK XI 19 14 44 50.8 37.34N 37.15E 9–0 2.2L **¶602081915**
ISCJB XI 19 14 44 51.6–.63 37.32N–.03 37.13E–.04 4–8 2.2L
DDA XI 19 14 44 51.5 37.32N 37.15E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=43.1.
DDA Event type ke.
ISC XI 19 16 29 42.5–1.3 40.83N–.04 33.98E–.03 4–13 21 0-2
ISK XI 19 16 29 41.9 40.82N 34.04E 5–0 2.3L **¶602081919**
DDA XI 19 16 29 42.8 40.86N 33.96E 7 2.6L
ISCJB XI 19 16 29 43.1–.56 40.87N–.03 33.99E–.04 5–6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 19 23 11 52.4–1.4 36.10N–.04 29.06E–.02 18–4 77 0-5
DDA XI 19 23 11 49.5 35.95N 29.07E 20 3.5L **¶602081943**
ISCJB XI 19 23 11 50.0–.66 35.97N–.03 29.04E–.03 6–5 3.5L
ISK XI 19 23 11 50.5 36.03N 29.03E 17–0 3.2L
ATH XI 19 23 11 51.0 36.09N 29.18E 56–12 3.2L
THE XI 19 23 11 51.5 36.08N 29.02E 0–0 2.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=169.2.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=14.6km s-min=1.3km az=94.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=185.0.
ISC XI 20 00 55 40.8–1.0 37.49N–.04 38.92E–.02 4–9 28 0-3
ISK XI 20 00 55 39.8 37.42N 38.95E 5–0 2.5L **¶602081960**
ISCJB XI 20 00 55 40.6–.91 37.46N–.04 38.93E–.03 1–7 2.5L
DDA XI 20 00 55 40.3 37.49N 38.91E 7 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.0km az=171.2.
DDA Event type ke.
ISC XI 20 02 16 46.0–.94 37.31N–.04 37.14E–.03 11–7 20 0-1
DDA XI 20 02 16 45.8 37.30N 37.13E 7 2.6L **¶602081968**
ISK XI 20 02 16 45.5 37.33N 37.14E 10–0 2.0L
ISCJB XI 20 02 16 46.3–.55 37.32N–.04 37.12E–.05 5–7 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 20 06 03 03.5–.92 39.10N–.03 29.16E–.03 12–8 22 0-2
ISK XI 20 06 03 02.9 39.11N 29.19E 5–0 2.3L **¶602081971**
ISCJB XI 20 06 03 03.5–.49 39.09N–.03 29.16E–.04 9–4 2.3L
DDA XI 20 06 03 03.5 39.08N 29.14E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=153.2.
DDA Event type ke.
ISC XI 20 07 19 23.4–1.3 37.26N–.05 42.60E–.03 11–8 43 0-3
ISN XI 20 07 19 21.7–.84 37.14N 42.73E 0–3 3.6L **¶602081975**
ISK XI 20 07 19 22.8 37.29N 42.61E 10–0 3.6L
DDA XI 20 07 19 23.0 37.23N 42.51E 12 3.6L
ISC Event type ke.
ISN Error ellipse: s-maj=5.8km s-min=5.5km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 20 07 45 38.0–1.5 39.1N–.10 40.33E–.03 19–6 14 0-1
ISK XI 20 07 45 37.9 39.09N 40.30E 9–1 2.3L **¶602081977**
ISCJB XI 20 07 45 38.9–.59 39.12N–.05 40.32E–.04 8–12 2.3L
DDA XI 20 07 45 39.6 38.96N 40.35E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.2km az=19.2.
DDA Event type ke.
ISC XI 20 10 13 34.2–.92 37.88N–.03 27.14E–.03 15–7 30 0-2
ISK XI 20 10 13 34.3 37.87N 27.02E 15–0 2.2L **¶602081983**
ATH XI 20 10 13 34.7 37.85N 27.15E 17–6 1.9L
DDA XI 20 10 13 34.5 37.92N 27.14E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.9km s-min=1.8km az=254.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 20 10 42 20.8–.92 39.63N–.04 28.88E–.03 8 17 0-1
ISCJB XI 20 10 42 20.9–.49 39.66N–.03 28.89E–.04 8 **¶602081987**
ISK XI 20 10 42 20.8 39.65N 28.90E 13–0 2.0L
DDA XI 20 10 42 21.2 39.63N 28.87E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=147.7.
ISK Event type ke.
DDA Event type ke.
ISC XI 20 11 32 08.8–1.1 36.99N–.03 34.32E–.03 6–11 20 0-2
ISCJB XI 20 11 32 08.3–.52 36.98N–.03 34.31E–.03 1–8 **¶602081990**
ISK XI 20 11 32 08.5 36.94N 34.33E 11–0 2.4L
DDA XI 20 11 32 28.9 37.21N 34.41E 16 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=147.8.
ISK Event type ke.
DDA Event type ke.
ISC XI 20 11 53 54.2–1.0 38.90N–.04 37.76E–.03 14–8 14 0-2
ISK XI 20 11 53 52.9 38.92N 37.78E 5–0 2.2L **¶602081991**
DDA XI 20 11 53 53.8 38.88N 37.75E 14 2.6L
ISCJB XI 20 11 53 54.9–.60 38.90N–.04 37.77E–.04 6–5 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 20 12 51 53.3–1.3 39.99N–.03 33.55E–.03 4–12 25 1-2
ISK XI 20 12 51 51.7 40.05N 33.51E 5–0 2.5L **¶602081996**
ISCJB XI 20 12 51 53.8–.57 39.97N–.03 33.57E–.04 5–6 2.5L
DDA XI 20 12 51 54.2 39.98N 33.58E 7 2.7
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=39.6.
DDA Event type ke.
ISC XI 20 14 19 24.6–1.1 41.01N–.04 38.08E–.03 16–9 29 0-3
ISK XI 20 14 19 23.1 41.12N 38.04E 6–0 2.3L **¶602081999**
DDA XI 20 14 19 24.4 40.97N 38.11E 18 3.6L
ISCJB XI 20 14 19 25.3–.62 40.99N–.05 38.11E–.03 11–5 3.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 20 16 54 15.1–1.1 39.50N–.02 39.88E–.02 4–10 70 0-3
DDA XI 20 16 54 14.6 39.53N 39.86E 5 3.6L **¶602082006**
ISK XI 20 16 54 14.2 39.52N 39.88E 3–0 3.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 20 17 30 48.1–1.1 39.52N–.03 39.86E–.03 5–11 24 0-2

ISK XI 20 17 30 47.2 39.51N 39.85E 6–0 2.2L ¶602082012
DDA XI 20 17 30 48.1 39.57N 39.86E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 20 17 56 29.9–1.0 39.51N–.02 39.84E–.01 1–7 4.4b 293 0-66
DDA XI 20 17 56 28.5 39.49N 39.84E 12 4.2L ¶601993250
ISK XI 20 17 56 28.2 39.50N 39.86E 5–0 4.2L
NEIC XI 20 17 56 28.4–.00 39.49N 39.85E 5 4.5b,4.2L
IDC XI 20 17 56 29.6–.68 39.48N 39.81E 0 4.1b,4.0
MOS XI 20 17 56 29.6–1.4 39.45N 39.80E 10 4.5b,4.0
GII XI 20 17 56 31.0–.00 39.45N 39.86E 6 4.5b,4.0
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=13.4km s-min=8.6km az=169.0.
MOS Error ellipse: s-maj=6.4km s-min=4.2km az=79.2.
GII Event type ke.
ISC XI 20 18 32 13.9–.00 39.51N–.03 39.85E–.03 7–9 26 0-2
ISCJB XI 20 18 32 13.8–.44 39.53N–.03 39.86E–.03 6–5 ¶602082033
DDA XI 20 18 32 13.8 39.55N 39.81E 7 2.5L
ISK XI 20 18 32 13.3 39.52N 39.85E 6–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=137.0.
DDA Event type ke.
ISK Event type ke.
ISC XI 20 19 00 15.2–1.1 39.51N–.03 39.88E–.03 7–10 30 0-2
DDA XI 20 19 00 14.9 39.48N 39.86E 7 2.5L ¶602082041
ISK XI 20 19 00 14.6 39.53N 39.87E 6–0 2.4L
ISCJB XI 20 19 00 15.4–.44 39.52N–.02 39.88E–.03 6–4 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 20 19 09 58.7–.96 40.54N–.02 34.85E–.02 10–8 63 0-4
ISK XI 20 19 09 57.8 40.54N 34.86E 5–0 3.2L ¶602082042
DDA XI 20 19 09 58.8 40.56N 34.84E 16 3.5L
ISCJB XI 20 19 09 59.2–.50 40.55N–.02 34.85E–.03 2–4 3.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 20 21 15 58.9–1.1 37.38N–.04 36.28E–.03 10–10 19 0-2
ISK XI 20 21 15 57.9 37.38N 36.29E 8–0 2.0L ¶602082064
ISCJB XI 20 21 15 58.5–.64 37.35N–.03 36.27E–.04 1–8 2.0L
DDA XI 20 21 15 59.8 37.40N 36.32E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=38.1.
DDA Event type ke.
ISC XI 20 23 02 20.3–.99 37.33N–.03 37.12E–.03 11–9 17 0-2
ISK XI 20 23 02 19.8 37.32N 37.10E 8–0 1.9L ¶602082069
ISCJB XI 20 23 02 20.4–.62 37.31N–.04 37.09E–.04 6–6 1.9L
DDA XI 20 23 02 20.4 37.32N 37.15E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=31.2.
DDA Event type ke.
ISC XI 20 23 51 04.3–1.0 37.32N–.04 37.13E–.04 11–8 16 0-1
ISK XI 20 23 51 03.3 37.36N 37.20E 9–0 1.7L ¶602082073
ISCJB XI 20 23 51 04.7–.69 37.30N–.05 37.11E–.05 6–7 1.7L
DDA XI 20 23 51 04.5 37.31N 37.14E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.3km az=33.8.
DDA Event type ke.
ISC XI 21 00 38 03.2–.95 39.15N–.03 29.09E–.03 10–9 23 0-2
ISK XI 21 00 38 02.6 39.15N 29.12E 7–0 2.0L ¶602082092
ISCJB XI 21 00 38 03.1–.45 39.15N–.03 29.09E–.03 7–5 2.0L
DDA XI 21 00 38 03.3 39.15N 29.09E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=163.7.
DDA Event type ke.
ISK XI 21 02 14 37.3 39.58N 39.82E 17–1 1.5L ¶602082094
ISK Event type ke.
ISC XI 21 03 20 00.4–1.2 36.91N–.03 32.21E–.03 4–13 20 0-2
ISK XI 21 03 19 56.7 36.79N 32.04E 5–0 2.0L ¶602082098
DDA XI 21 03 20 02.0 36.95N 32.20E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 21 04 37 32.1–.90 38.68N–.03 43.28E–.04 13–8 25 0-2
ISK XI 21 04 37 30.7 38.67N 43.21E 5–0 2.6L ¶602082103
DDA XI 21 04 37 31.8 38.66N 43.28E 7 3.1L
ISCJB XI 21 04 37 32.1–.45 38.67N–.03 43.26E–.04 9–5 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 21 08 38 33.9–1.3 38.29N–.03 38.56E–.03 10–11 19 0-1
ISCJB XI 21 08 38 33.5–.64 38.27N–.03 38.59E–.04 0–8 ¶602983836
DDA XI 21 08 38 33.9 38.30N 38.57E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.9km az=9.3.
DDA Event type ke.
ISC XI 21 10 12 47.9–.87 37.49N–.04 38.80E–.03 13–6 28 0-2
DDA XI 21 10 12 47.6 37.55N 38.77E 7 2.8L ¶602082111
ISK XI 21 10 12 47.3 37.32N 38.82E 2–0 2.3L
ISCJB XI 21 10 12 48.3–.81 37.53N–.04 38.79E–.03 2–8 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 21 10 50 33.3–1.3 40.70N–.03 35.37E–.03 2–12 45 0-3
ISK XI 21 10 50 32.9 40.68N 35.24E 5–0 2.9L ¶602082119
DDA XI 21 10 50 33.6 40.67N 35.36E 10 3.3L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 21 12 54 24.3–1.0 38.89N–.03 43.58E–.05 14–6 24 0-2
DDA XI 21 12 54 24.4 38.88N 43.58E 13 3.1L ¶602082122
ISK XI 21 12 54 24.3 38.91N 43.51E 16–0 3.0L
ISCJB XI 21 12 54 25.1–.60 38.92N–.03 43.56E–.06 13–3 3.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 21 13 09 51.9–.93 37.30N–.03 37.12E–.03 11–7 24 0-2
ISK XI 21 13 09 51.4 37.32N 37.11E 10–0 2.3L ¶602082123
DDA XI 21 13 09 51.8 37.28N 37.12E 7 2.9L
ISCJB XI 21 13 09 52.0–.54 37.28N–.04 37.09E–.04 6–6 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 21 14 39 39.5–.99 38.94N–.04 43.53E–.04 14–7 17 0-1
ISCJB XI 21 14 39 39.9–.79 38.91N–.05 43.55E–.08 13–6 ¶602082129
DDA XI 21 14 39 39.5 38.94N 43.51E 14 3.0L

ISK XI 21 14 39 39.2 38.90N 43.57E 17–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.4km az=22.8.
DDA Event type ke.
ISK Event type ke.
ISC XI 21 16 26 36.4–.94 38.96N–.04 43.52E–.05 15–6 14 0-1
ISK XI 21 16 26 35.9 38.92N 43.55E 20–0 1.8L ¶602082137
DDA XI 21 16 26 36.6 38.95N 43.49E 8 2.5L
ISCJB XI 21 16 26 37.1–.69 38.95N–.04 43.56E–.07 16–7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 21 18 02 02.4–.85 39.69N–.01 26.17E–.02 13–7 98 0-6
ISK XI 21 18 02 00.9 39.70N 26.11E 11–0 3.1L ¶602082138
ISCJB XI 21 18 02 02.0–.40 39.69N–.02 26.14E–.03 8–3 3.1L
ATH XI 21 18 02 02.0 39.68N 26.17E 27–1 2.5L
THE XI 21 18 02 02.8 39.69N 26.16E 6–0 2.5L
DDA XI 21 18 02 03.6 39.69N 26.26E 20 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=172.7.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=255.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=100.0.
DDA Event type ke.
ISC XI 21 20 52 42.6–.95 37.32N–.04 37.11E–.04 11–8 18 0-1
ISCJB XI 21 20 52 42.9–.60 37.32N–.04 37.11E–.05 5–7 ¶602082143
DDA XI 21 20 52 43.0 37.34N 37.11E 7 2.5L
ISK XI 21 20 52 42.1 37.32N 37.12E 8–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=137.1.
DDA Event type ke.
ISK Event type ke.
ISC XI 21 22 58 00.2–.96 37.32N–.03 37.13E–.03 10–8 20 0-2
ISK XI 21 22 57 59.7 37.34N 37.14E 6–0 1.8L ¶602082148
ISCJB XI 21 22 58 00.4–.65 37.31N–.04 37.11E–.05 2–8 1.8L
DDA XI 21 22 58 00.3 37.32N 37.14E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.2km az=42.4.
DDA Event type ke.
ISC XI 22 00 07 46.8–.91 37.31N–.02 37.13E–.02 10–7 70 0-4
ISCJB XI 22 00 07 46.8–.44 37.30N–.02 37.11E–.02 9–4 ¶602983865
ISK XI 22 00 07 46.1 37.32N 37.11E 10–0 3.3L
DDA XI 22 00 07 47.1 37.30N 37.15E 25 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=1.8.
ISK Event type ke.
DDA Event type ke.
ISC XI 22 00 51 59.4–1.0 37.32N–.04 37.14E–.04 8–8 14 0-1
ISK XI 22 00 51 58.7 37.32N 37.12E 9–0 1.4L ¶602082166
ISCJB XI 22 00 51 59.7–.62 37.30N–.04 37.12E–.05 7–6 1.4L
DDA XI 22 00 51 59.9 37.30N 37.16E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.4km az=147.0.
DDA Event type ke.
ISC XI 22 05 06 53.1–1.1 38.73N–.04 43.18E–.03 14–12 14 0-1
ISK XI 22 05 06 52.4 38.71N 43.15E 5–0 1.9L ¶602082180
DDA XI 22 05 06 53.5 38.70N 43.21E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 22 14 53 08.4–1.0 38.56N–.03 30.82E–.03 9–10 27 0-1
ISK XI 22 14 53 07.6 38.56N 30.81E 4–0 2.1L ¶602082210
ISCJB XI 22 14 53 08.8–.44 38.58N–.02 30.83E–.03 9–4 2.1L
DDA XI 22 14 53 08.8 38.59N 30.86E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=155.4.
DDA Event type ke.
ISC XI 22 15 01 41.6–.93 37.33N–.03 37.13E–.02 10–8 33 0-2
DDA XI 22 15 01 41.8 37.31N 37.15E 24 2.8L ¶602082212
ISK XI 22 15 01 41.3 37.35N 37.13E 5–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 22 23 03 25.9–1.1 38.66N–.03 43.14E–.04 7–12 21 0-1
ISK XI 22 23 03 24.8 38.61N 43.15E 5–0 1.8L ¶602082231
ISCJB XI 22 23 03 25.8–.50 38.65N–.04 43.14E–.03 15–6 1.8L
DDA XI 22 23 03 26.2 38.68N 43.17E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=174.6.
DDA Event type ke.
ISC XI 23 09 53 16.9–1.2 37.33N–.03 31.81E–.04 19–4 26 0-2
DDA XI 23 09 53 15.5 37.28N 31.92E 7 2.7L ¶602082253
ISK XI 23 09 53 15.6 37.34N 31.90E 13–0 2.6L
ISCJB XI 23 09 53 17.0–.51 37.30N–.03 31.86E–.06 17–9 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 23 11 15 36.8–1.9 37.30N–.10 40.14E–.05 2–18 12 0-2
ISK XI 23 11 15 37.4 37.53N 40.11E 5–0 1.9L ¶602082260
DDA XI 23 11 15 37.0 37.19N 40.16E 6 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISK XI 23 12 35 03.6 40.42N 29.22E 5–0 1.9L ¶602082269
ISK Event type ke.
ISC XI 23 16 56 35.6–1.4 38.48N–.04 27.14E–.04 17–13 15 0-1
ISK XI 23 16 56 35.2 38.46N 27.15E 23–0 2.3L ¶602082280
DDA XI 23 16 56 35.9 38.49N 27.08E 7 2.7L
ISCJB XI 23 16 56 36.2–.68 38.47N–.04 27.16E–.06 23–19 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 23 18 08 03.1–1.2 39.89N–.03 38.79E–.03 7–12 22 0-2
ISCJB XI 23 18 08 03.6–.49 39.89N–.03 38.78E–.04 3–7 ¶602082284
DDA XI 23 18 08 03.3 39.85N 38.80E 14 2.9L
ISK XI 23 18 08 03.4 39.93N 38.79E 5–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=33.6.
DDA Event type ke.
ISK Event type ke.
ISC XI 23 18 13 44.7–1.4 38.69N–.07 43.59E–.09 34–2 13 0-1
DDA XI 23 18 13 45.2 38.68N 43.60E 7 2.5L ¶602082285
ISK XI 23 18 13 45.9 38.79N 43.43E 13–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 23 21 57 54.4–1.0 37.32N–.04 37.12E–.03 10–8 20 0-2
ISK XI 23 21 57 53.9 37.29N 37.10E 12–0 2.3L ¶602082289
DDA XI 23 21 57 55.1 37.37N 37.20E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.

ISC XI 23 23 09 21.2–.94 38.71N–.03 28.06E–.02 8–8 31 0-2
ISCJB XI 23 23 09 21.2–.42 38.70N–.02 28.06E–.03 4–5 **¶602082292**
DDA XI 23 23 09 21.1 38.70N 28.08E 8 2.7L
ISK XI 23 23 09 21.1 38.70N 28.04E 7–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=4.0km az=15.4.
DDA Event type ke.
ISK Event type ke.
ISC XI 23 23 43 32.5–.98 37.32N–.03 37.11E–.03 9–8 22 0-2
ISK XI 23 23 43 31.9 37.31N 37.08E 9–0 2.3L **¶602082293**
ISCJB XI 23 23 43 32.7–.54 37.30N–.04 37.11E–.05 6–6 2.3L
DDA XI 23 23 43 33.2 37.42N 37.16E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.1km az=39.6.
DDA Event type ke.
ISC XI 24 00 43 43.1–1.5 38.86N–.04 43.84E–.04 1–12 30 0-2
DDA XI 24 00 43 42.8 38.83N 43.84E 5 2.8L **¶602082303**
ISCJB XI 24 00 43 43.2–.94 38.87N–.03 43.85E–.06 3–6 2.8L
ISK XI 24 00 43 43.1 38.88N 43.79E 6–0 2.7L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.8km az=29.8.
ISK Event type ke.
ISC XI 24 04 37 17.0–1.3 40.58N–.03 35.70E–.03 4–12 30 1-3
DDA XI 24 04 37 15.9 40.66N 35.70E 6 3.3L **¶602082317**
ISK XI 24 04 37 16.7 40.53N 35.72E 3–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 24 04 38 32.9–.99 37.34N–.03 37.12E–.03 9–8 24 0-1
ISK XI 24 04 38 32.4 37.33N 37.13E 8–0 1.8L **¶602082318**
ISCJB XI 24 04 38 33.1–.54 37.32N–.04 37.09E–.05 8–7 1.8L
DDA XI 24 04 38 33.9 37.44N 37.12E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=136.8.
DDA Event type ke.
ISC XI 24 06 42 14.9–1.2 38.70N–.04 43.05E–.03 8–12 15 0-1
ISK XI 24 06 42 14.8 38.67N 43.03E 5–0 2.1L **¶602082326**
DDA XI 24 06 42 15.4 38.65N 43.06E 7 2.5
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 24 09 26 12.0–1.2 40.59N–.06 37.76E–.05 9–15 11 0-2
DDA XI 24 09 26 11.9 40.60N 37.76E 7 2.5 **¶602983930**
ISCJB XI 24 09 26 12.4–.70 40.62N–.04 37.78E–.05 11–8 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 24 11 32 02.3–.89 39.41N–.04 28.18E–.04 11 15 0-2
DDA XI 24 11 32 01.1 39.47N 28.19E 7 2.7 **¶602082339**
ISCJB XI 24 11 32 02.6–.62 39.45N–.03 28.17E–.05 11 2.7
ISK XI 24 11 32 04.0 39.40N 28.30E 20–0 1.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=7.5.
ISK Event type ke.
ISC XI 24 15 49 34.4–1.1 38.86N–.02 43.49E–.02 5–12 106 0-6
AZER XI 24 15 49 31.7–.10 38.67N 43.36E 28–18 3.6L **¶602082355**
DDA XI 24 15 49 32.8 38.83N 43.56E 5 3.7L
ISK XI 24 15 49 32.6 38.87N 43.54E 5–0 3.8L
TEH XI 24 15 49 33.0 38.87N 43.54E 8 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=75.0km s-min=9.9km az=237.0.
DDA Event type ke.
ISK Event type ke.
ISC XI 24 16 04 30.4–.98 38.82N–.02 43.57E–.02 3–6 4.3b,3.6s 350 0-95
AZER XI 24 16 04 23.9–99 38.62N 43.40E 5–13 4.5L,3.6s **¶601994169**
NEIC XI 24 16 04 27.0–.00 38.83N 43.61E 5 4.5L,4.1b
DDA XI 24 16 04 28.4 38.83N 43.57E 18 4.5L,4.1b
TEH XI 24 16 04 28.8 38.85N 43.55E 4 4.3L,4.1b
IDC XI 24 16 04 28.8–.72 38.79N 43.60E 0 4.1,4.1b
MOS XI 24 16 04 28.5–1.2 38.65N 43.56E 8 4.5b,4.1b
ISK XI 24 16 04 28.1 38.84N 43.56E 5–0 4.5L,4.1b
ISC Event type ke.
AZER Error ellipse: s-maj=66.5km s-min=8.4km az=239.0.
NEIC Event type se. After ISK.
DDA Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=160.0.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=91.5.
ISK Event type ke.
ISC XI 24 19 43 20.2–.94 38.97N–.03 43.64E–.03 9–6 25 0-2
ISK XI 24 19 43 18.9 38.98N 43.61E 5–0 2.5L **¶602082362**
ISCJB XI 24 19 43 20.5–.59 38.96N–.03 43.65E–.05 8–4 2.5L
DDA XI 24 19 43 20.2 38.94N 43.64E 10 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=27.6.
DDA Event type ke.
ISC XI 24 21 51 40.3–.96 37.31N–.03 37.12E–.03 13–7 20 0-2
ISK XI 24 21 51 39.9 37.32N 37.09E 9–0 2.1L **¶602082392**
ISCJB XI 24 21 51 40.7–.62 37.29N–.05 37.10E–.05 9–7 2.1L
DDA XI 24 21 51 40.1 37.32N 37.13E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=31.2.
DDA Event type ke.
ISC XI 25 01 49 40.8–1.0 38.88N–.03 43.61E–.03 17–8 28 0-2
ISK XI 25 01 49 40.4 38.90N 43.54E 7–0 2.2L **¶602082492**
DDA XI 25 01 49 40.3 38.88N 43.58E 19 3.0L
ISCJB XI 25 01 49 41.2–.53 38.88N–.03 43.60E–.05 13–4 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 25 02 49 07.9–1.1 38.87N–.03 43.62E–.04 6–10 34 0-3
ISK XI 25 02 49 06.8 38.86N 43.55E 5–0 3.0L **¶602082508**
ISCJB XI 25 02 49 08.7–.51 38.88N–.03 43.54E–.05 11–4 3.0L
DDA XI 25 02 49 08.1 38.80N 43.57E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=15.0.
DDA Event type ke.
ISC XI 25 03 11 22.3–1.7 38.88N–.05 43.8E–.10 18–5 10 0-1
ISK XI 25 03 11 22.5 38.87N 43.53E 5–0 1.5L **¶602082512**
DDA XI 25 03 11 23.9 38.93N 43.37E 7 2.7L
ISCJB XI 25 03 11 24.4–1.2 38.89N–.04 43.60E–.09 20–11 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISK XI 25 03 11 43.3 39.33N 40.89E 7–1 1.8L
¶602082513
ISK Event type ke.
ISC XI 25 03 39 19.0–.89 39.11N–.03 29.06E–.03 10–6 31 0-2
ISK XI 25 03 39 18.6 39.10N 29.08E 6–0 2.2L **¶602082519**
DDA XI 25 03 39 18.8 39.13N 29.06E 7 2.5L
ISCJB XI 25 03 39 19.1–.40 39.09N–.03 29.08E–.03 5–4 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 25 03 58 30.3–.95 37.29N–.04 37.12E–.03 11–7 22 0-2
ISK XI 25 03 58 29.4 37.33N 37.13E 9–0 1.9L **¶602082523**
ISCJB XI 25 03 58 30.3–.73 37.31N–.04 37.12E–.05 2–9 1.9L
DDA XI 25 03 58 30.8 37.30N 37.16E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=41.2.
DDA Event type ke.
ISC XI 25 04 21 58.7–1.0 36.25N–.03 29.65E–.03 33–3 61 0-4
ISCJB XI 25 04 21 57.6–.66 36.09N–.04 29.65E–.03 30–4 **¶602082528**
DDA XI 25 04 21 57.9 36.23N 29.70E 33 3.2L
ATH XI 25 04 21 58.0 36.27N 29.51E 36–2 2.8L
ISK XI 25 04 21 58.9 36.41N 29.65E 17–0 3.1L
THE XI 25 04 21 59.3 36.21N 29.65E 34–4 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=156.2.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.3km az=143.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=156.0.
ISC XI 25 04 52 56.4–.98 37.29N–.03 37.12E–.03 9–8 23 0-2
ISCJB XI 25 04 52 56.7–.59 37.26N–.04 37.11E–.04 7–6 **¶602082534**
DDA XI 25 04 52 56.4 37.31N 37.12E 7 3.2L
ISK XI 25 04 52 56.3 37.26N 37.14E 11–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=11.9.
DDA Event type ke.
ISK Event type ke.
ISC XI 25 12 30 52.7–1.0 38.97N–.03 28.12E–.03 16–10 25 0-1
DDA XI 25 12 30 52.6 39.00N 28.17E 7 2.6L **¶602082569**
ISK XI 25 12 30 52.9 38.92N 28.12E 23–0 2.2L
ISCJB XI 25 12 30 53.6–.42 38.97N–.03 28.11E–.04 20–7 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 25 13 22 49.6–.89 39.48N–.02 26.17E–.03 15–7 36 0-2
ISCJB XI 25 13 22 49.9–.50 39.49N–.02 26.18E–.04 6–5 **¶602983954**
ATH XI 25 13 22 49.5 39.49N 26.22E 13–4 2.0L
THE XI 25 13 22 49.8 39.49N 26.18E 2–2 1.9L
DDA XI 25 13 22 50.0 39.52N 26.29E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=173.5.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=0.8km az=207.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=203.0.
DDA Event type ke.
ISC XI 25 14 06 11.9–.91 36.97N–.03 35.69E–.03 15–6 27 0-2
DDA XI 25 14 06 10.9 36.95N 35.66E 7 2.8L **¶602082577**
ISK XI 25 14 06 10.8 36.96N 35.73E 5–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 25 14 32 13.1–1.1 38.83N–.03 43.62E–.04 19–3 27 0-2
ISK XI 25 14 32 12.9 38.80N 43.50E 5–0 2.4L **¶602082580**
DDA XI 25 14 32 13.7 38.82N 43.57E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 25 16 00 17.4–1.2 39.38N–.02 33.83E–.02 1–10 67 0-3
ISK XI 25 16 00 16.8 39.40N 33.81E 5–0 3.5L **¶602082584**
DDA XI 25 16 00 17.4 39.37N 33.79E 17 3.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 25 17 52 08.8–1.2 38.75N–.04 43.39E–.04 14–13 15 0-1
ISK XI 25 17 52 08.0 38.71N 43.44E 19–0 2.0L **¶602082595**
ISCJB XI 25 17 52 09.5–.59 38.76N–.04 43.39E–.06 14–6 2.0L
DDA XI 25 17 52 09.5 38.79N 43.39E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.1km az=39.0.
DDA Event type ke.
ISC XI 25 18 51 45.7–1.2 37.75N–.04 36.39E–.04 5–11 15 0-2
DDA XI 25 18 51 46.0 37.71N 36.31E 6 2.8L **¶602082604**
ISK XI 25 18 51 45.1 37.74N 36.38E 8–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 25 19 02 44.3–.94 38.82N–.03 42.71E–.03 4–6 22 0-2
IASPE XI 25 19 02 44.4–1.0 38.82N–.03 42.71E–.03 4–7 **¶602082608**
ISCJB XI 25 19 02 44.7–.47 38.83N–.03 42.69E–.04 5–5
DDA XI 25 19 02 44.6 38.80N 42.74E 4 2.8L
ISK XI 25 19 02 44.1 38.88N 42.65E 7–0 2.2L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=127.5. GT5 selection from ISC bulletin. GT5 identified by Bondˆır and McLaughlin (2009) selection criteria. Bondˆır and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.2km az=152.2.
DDA Event type ke.
ISK Event type ke.
ISC XI 25 23 49 22.9–.91 39.12N–.03 29.12E–.03 14–7 27 0-2
DDA XI 25 23 49 21.8 39.09N 29.13E 7 2.6L **¶602082635**
ISK XI 25 23 49 23.3 39.19N 29.13E 6–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 26 04 22 27.4–1.3 37.06N–.04 28.04E–.03 2–12 23 0-1
ISK XI 26 04 22 28.2 37.02N 27.92E 5–0 2.7L **¶602082682**
DDA XI 26 04 22 29.4 37.07N 27.95E 7 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 26 04 44 52.0–.91 40.41N–.02 29.36E–.02 10–7 70 0-4
ISCJB XI 26 04 44 52.0–.30 40.41N–.02 29.35E–.03 9–3 **¶602082689**
ISK XI 26 04 44 51.9 40.41N 29.35E 10–0 3.4L
DDA XI 26 04 44 52.1 40.40N 29.36E 7 3.5L
ATH XI 26 04 45 09.1 40.26N 27.47E 15–3 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=10.9.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=12.0km s-min=2.9km az=254.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 26 07 10 39.0–1.2 40.62N–.04 35.37E–.04 5–11 16 0-1
ISK XI 26 07 10 36.1 40.73N 35.29E 4–0 1.7L **¶602082699**
DDA XI 26 07 10 38.6 40.63N 35.37E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 26 10 00 33.9–1.1 38.11N–.04 27.03E–.04 13–9 20 0-1
ISCJB XI 26 10 00 33.8–.57 38.08N–.05 27.03E–.06 10–8 **¶602082719**
DDA XI 26 10 00 33.7 38.15N 27.04E 7 2.5L
ISK XI 26 10 00 33.7 38.08N 27.03E 14–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.7km az=137.5.

DDA Event type ke.
ISK Event type ke.
ISC XI 26 13 12 46.9–1.1 38.75N–.03 43.49E–.04 15–9 28 0-2
ISK XI 26 13 12 45.5 38.77N 43.45E 5–0 3.3L **¶602082745**
DDA XI 26 13 12 46.4 38.72N 43.53E 7 3.2L
ISCJB XI 26 13 12 47.3–.48 38.75N–.03 43.49E–.05 9–4 3.2L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 26 16 57 52.3–1.2 37.04N–.05 35.62E–.03 17–10 15 0-2
DDA XI 26 16 57 51.5 37.10N 35.68E 7 2.5L **¶602082755**
ISCJB XI 26 16 57 53.0–.57 37.00N–.05 35.61E–.04 23–7 2.5L
ISK XI 26 16 57 52.4 37.02N 35.55E 18–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=7.7.
ISK Event type ke.
ISC XI 26 18 51 10.1–1.3 38.73N–.06 43.54E–.07 25–8 14 0-1
ISCJB XI 26 18 51 09.7–1.7 38.69N–.06 43.60E–.10 31–11 **¶602082777**
DDA XI 26 18 51 10.9 38.72N 43.54E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.4km az=36.5.
DDA Event type ke.
ISC XI 26 18 52 02.0–1.1 37.55N–.03 42.73E–.02 5–9 71 0-5
ISN XI 26 18 52 01.0–1.2 37.42N 42.87E 0–4 3.9L **¶602984048**
ISK XI 26 18 52 01.8 37.55N 42.72E 9–0 3.9L
DDA XI 26 18 52 02.1 37.55N 42.70E 16 3.9L
AZER XI 26 18 52 09.4–2.4 38.30N 42.05E 77–165 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=6.2km s-min=7.5km az=-1.0.
ISK Event type ke.
DDA Event type ke.
AZER Error ellipse: s-maj=51.0km s-min=25.6km az=1.0.
ISC XI 26 20 09 33.8–1.0 38.88N–.04 43.54E–.04 14–7 16 0-1
ISK XI 26 20 09 33.2 38.87N 43.53E 12–0 2.0L **¶602082784**
ISCJB XI 26 20 09 34.1–.79 38.88N–.03 43.56E–.07 13–6 2.0L
DDA XI 26 20 09 34.2 38.88N 43.53E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.5km az=11.6.
DDA Event type ke.
ISC XI 26 20 34 02.2–.92 39.66N–.03 35.56E–.02 14–7 43 0-3
DDA XI 26 20 34 01.7 39.65N 35.56E 16 2.9L **¶602082789**
ISK XI 26 20 34 01.5 39.71N 35.60E 5–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 26 22 33 44.9–1.2 40.18N–.03 31.75E–.03 7–10 27 1-2
ISK XI 26 22 33 44.2 40.16N 31.74E 10–0 2.0L **¶602082808**
DDA XI 26 22 33 44.8 40.18N 31.74E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 27 04 11 49.4–1.1 37.34N–.04 36.69E–.03 6–11 17 0-2
ISK XI 27 04 11 48.5 37.37N 36.69E 8–0 1.7L **¶602082882**
ISCJB XI 27 04 11 49.3–.56 37.34N–.04 36.68E–.04 6–7 1.7L
DDA XI 27 04 11 49.9 37.36N 36.69E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=39.4.
DDA Event type ke.
ISC XI 27 08 56 21.3–.98 38.60N–.04 37.45E–.04 7–7 15 0-2
DDA XI 27 08 56 21.7 38.60N 37.47E 7 2.5L **¶602984074**
ISC Event type ke.
DDA Event type ke.
ISC XI 27 09 46 07.9–.96 38.91N–.04 37.82E–.04 14–7 16 0-2
ISCJB XI 27 09 46 07.8–.57 38.87N–.04 37.79E–.05 14–5 **¶602082914**
ISK XI 27 09 46 07.1 38.81N 37.86E 14–0 2.2L
DDA XI 27 09 46 07.3 38.85N 37.70E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.3km az=139.3.
ISK Event type ke.
DDA Event type ke.
ISC XI 27 09 47 38.2–1.0 37.41N–.04 38.83E–.06 6–6 11 0-2
DDA XI 27 09 47 39.1 37.37N 38.83E 7 2.5L **¶602984075**
ISC Event type ke.
DDA Event type ke.
ISC XI 27 10 29 55.6–1.0 37.46N–.03 27.87E–.04 13–9 18 0-1
ISK XI 27 10 29 54.8 37.48N 27.82E 3–0 1.8L **¶602082930**
DDA XI 27 10 29 55.9 37.48N 27.87E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 27 15 41 43.8–1.1 38.72N–.02 43.42E–.03 18–2 33 0-2
ISK XI 27 15 41 42.9 38.73N 43.41E 5–0 3.1L **¶602083007**
DDA XI 27 15 41 43.5 38.70N 43.47E 7 2.9L
ISCJB XI 27 15 41 44.5–.42 38.72N–.02 43.41E–.04 11–4 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 27 16 31 38.0–1.3 38.74N–.03 43.53E–.05 18–6 19 0-1
ISK XI 27 16 31 36.9 38.75N 43.43E 18–0 2.0L **¶602083013**
ISCJB XI 27 16 31 37.8–.98 38.72N–.04 43.54E–.08 26–6 2.0L
DDA XI 27 16 31 38.7 38.76N 43.46E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.4km az=22.2.
DDA Event type ke.
ISC XI 27 17 19 03.4–.99 37.54N–.03 42.72E–.02 10–8 51 0-3
ISN XI 27 17 18 59.4–1.0 37.65N 42.83E 0–40 3.4L **¶602083031**
ISK XI 27 17 19 02.3 37.53N 42.72E 2–0 3.3L
DDA XI 27 17 19 03.2 37.51N 42.69E 17 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=52.5km s-min=8.1km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 28 03 08 47.5–.92 38.81N–.03 43.56E–.04 17–7 29 0-2
DDA XI 28 03 08 46.8 38.80N 43.56E 6 2.7L **¶602083209**
ISK XI 28 03 08 46.6 38.81N 43.54E 7–0 2.3L
ISCJB XI 28 03 08 47.4–.55 38.81N–.03 43.58E–.06 12–4 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 28 05 59 35.1–.90 39.57N–.02 28.82E–.02 10–7 83 0-2
DDA XI 28 05 59 34.7 39.57N 28.84E 13 3.1L **¶602984111**
ISK XI 28 05 59 34.5 39.57N 28.81E 5–0 3.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 28 07 11 54.9–1.2 37.76N–.02 29.28E–.02 0–10 82 0-4
ISCJB XI 28 07 11 54.9–.44 37.74N–.02 29.24E–.03 1–4 **¶602083267**
ATH XI 28 07 11 54.2 37.84N 29.18E 10–31 3.1L
DDA XI 28 07 11 54.9 37.69N 29.27E 7 3.5L
ISK XI 28 07 11 54.3 37.73N 29.24E 2–0 3.5L
THE XI 28 07 11 56.2 37.84N 29.23E 0–2 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=25.5.

ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.7km az=0.0. Analyst: g.panopoulou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=1.8km az=47.0.
DDA XI 28 10 25 47.4 37.71N 32.45E 11 2.3L
ISK XI 28 10 25 48.9 37.83N 32.31E 17–0 1.4L **¶602083288**
DDA Event type ke.
ISK Event type ke.
ISC XI 28 17 00 14.9–1.0 38.76N–.04 43.48E–.04 17–8 17 0-1
ISK XI 28 17 00 13.9 38.75N 43.46E 16–0 2.5L **¶602083332**
ISCJB XI 28 17 00 14.3–1.2 38.73N–.05 43.54E–.07 26–8 2.5L
DDA XI 28 17 00 15.2 38.76N 43.47E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.2km az=33.8.
DDA Event type ke.
ISC XI 28 20 13 35.3–.94 37.33N–.03 37.14E–.03 10–9 20 0-1
ISK XI 28 20 13 34.8 37.33N 37.13E 7–0 2.1L **¶602083345**
ISCJB XI 28 20 13 35.3–.58 37.35N–.04 37.14E–.05 6–7 2.1L
DDA XI 28 20 13 35.8 37.35N 37.13E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=43.8.
DDA Event type ke.
ISC XI 28 22 27 25.6–1.1 37.81N–.03 30.61E–.02 2–10 24 0-1
ISK XI 28 22 27 25.1 37.82N 30.57E 5–0 2.5L **¶602083355**
DDA XI 28 22 27 26.1 37.83N 30.62E 7 2.2L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 29 00 49 30.4–.88 39.60N–.02 26.02E–.02 15–7 129 0-8
ISCJB XI 29 00 49 29.9–.40 39.60N–.01 26.03E–.02 11–3 **¶602083384**
ATH XI 29 00 49 29.6 39.60N 26.06E 29–1 3.3L
DDA XI 29 00 49 29.5 39.59N 26.01E 27 3.9L
ISK XI 29 00 49 29.2 39.60N 26.00E 11–0 3.8L
THE XI 29 00 49 30.5 39.62N 26.03E 9–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=174.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=244.0. Analyst: Ch. Ventouzi ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=95.0.
ISC XI 29 03 07 33.0–1.7 38.66N–.04 43.20E–.04 28–13 21 0-2
ISCJB XI 29 03 07 33.7–.83 38.67N–.03 43.20E–.05 23–10 **¶602083396**
ISK XI 29 03 07 33.3 38.70N 43.16E 5–0 2.2L
DDA XI 29 03 07 34.1 38.69N 43.19E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=32.3.
ISK Event type ke.
DDA Event type ke.
ISC XI 29 06 26 24.1–.96 38.69N–.03 28.07E–.03 7–9 21 0-2
ISK XI 29 06 26 23.8 38.68N 28.07E 6–1 2.0L **¶602083405**
ISCJB XI 29 06 26 24.2–.53 38.71N–.03 28.07E–.03 2–7 2.0L
DDA XI 29 06 26 24.5 38.69N 28.11E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=23.9.
DDA Event type ke.
ISC XI 29 09 15 36.2–.86 37.26N–.02 37.10E–.02 13–6 45 0-3
ISK XI 29 09 15 35.6 37.25N 37.03E 5–0 2.8L **¶602083412**
ISCJB XI 29 09 15 36.3–.48 37.23N–.02 37.05E–.02 8–3 2.8L
DDA XI 29 09 15 37.2 37.27N 37.20E 27 3.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=10.6.
DDA Event type ke.
ISC XI 30 02 32 37.7–.88 37.21N–.02 28.65E–.01 15–6 3.9b 271 0-78
ISK XI 30 02 32 35.9 37.22N 28.63E 5–0 4.1L **¶601995338**
DDA XI 30 02 32 36.5 37.21N 28.64E 20 4.2L
NEIC XI 30 02 32 36.7–.00 37.22N 28.62E 2 4.2L,4.1L
ATH XI 30 02 32 36.5 37.29N 28.62E 13–1 3.9L,4.1L
ISCJB XI 30 02 32 37.3–.31 37.23N–.01 28.64E–.01 10–2 3.8b,2.9s
THE XI 30 02 32 37.6 37.18N 28.67E 0–0 4.1L,2.9s
IDC XI 30 02 32 41.3–1.1 37.06N 28.78E 55–13 3.9,3.8
HLW XI 30 02 32 45.9 36.59N 28.72E 10–20 4.5L,4.1
NIC XI 30 02 32 47.3–.20 36.84N 29.24E 17 4.3b,3.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
NEIC Event type se. After ISK.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=153.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=161.9.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=14.0.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=155.0.
ISC XI 30 10 10 29.3–.93 37.29N–.03 31.94E–.04 15 23 0-2
DDA XI 30 10 10 28.9 37.27N 31.94E 7 2.5L **¶602083483**
ISK XI 30 10 10 28.9 37.31N 31.94E 6–0 2.1L
ISCJB XI 30 10 10 29.8–.44 37.30N–.03 31.90E–.05 15 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 30 12 59 42.5–1.1 40.19N–.05 34.57E–.04 3–9 19 0-2
ISK XI 30 12 59 41.8 40.19N 34.58E 6–0 2.3L **¶602083492**
DDA XI 30 12 59 43.6 40.11N 34.54E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 30 13 04 32.7–1.4 38.10N–.06 38.2E–.10 10–14 13 0-1
ISK XI 30 13 04 31.6 38.14N 38.17E 5–0 1.7L **¶602083493**
ISCJB XI 30 13 04 33.5–.71 38.08N–.04 38.14E–.09 8–8 1.7L
DDA XI 30 13 04 33.1 38.10N 38.25E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=4.5km az=153.4.
DDA Event type ke.
ISC XI 30 14 45 12.7–1.6 39.88N–.05 33.10E–.06 1–20 14 0-1
ISK XI 30 14 45 13.4 39.84N 32.98E 3–0 1.8L **¶602083505**
DDA XI 30 14 45 14.5 39.88N 33.03E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 30 15 42 46.3–.93 39.12N–.02 27.92E–.02 16–9 68 0-2
ISK XI 30 15 42 45.5 39.11N 27.89E 5–0 3.2L **¶602083507**
DDA XI 30 15 42 46.1 39.11N 27.93E 15 3.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 30 17 03 54.1–.95 39.11N–.02 27.94E–.03 15–10 31 0-2
ISK XI 30 17 03 53.5 39.12N 28.00E 5–0 2.3L **¶602083509**
DDA XI 30 17 03 53.9 39.12N 27.94E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XI 30 18 56 54.6–1.2 39.63N–.02 26.07E–.03 10–10 39 0-2
ISK XI 30 18 56 53.6 39.65N 25.96E 5–0 2.7L **¶603912901**
ATH XI 30 18 56 54.5 39.63N 26.09E 23–2 2.0L
DDA XI 30 18 56 55.0 39.62N 26.09E 7 3.0L

ISCJB XI 30 18 56 55.1–.57 39.62N–.02 26.02E–.03 9–4 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISCJB Event type ke.
ISC XII 01 01 41 34.8–1.0 37.44N–.03 36.77E–.03 6–9 19 0-2
ISCJB XII 01 01 41 34.9–.57 37.42N–.03 36.74E–.04 5–8 ¶602329870
DDA XII 01 01 41 34.9 37.44N 36.74E 7 2.6L
ISK XII 01 01 41 34.4 37.45N 36.80E 5–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=42.0.
DDA Event type ke.
ISK Event type ke.
ISC XII 01 02 27 32.7–.98 36.83N–.04 35.68E–.03 25–6 28 0-2
ISCJB XII 01 02 27 33.0–.56 36.86N–.04 35.67E–.03 13–5 ¶602329876
ISK XII 01 02 27 32.2 36.93N 35.68E 11–0 2.5L
DDA XII 01 02 27 33.1 36.98N 35.68E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=167.1.
ISK Event type ke.
DDA Event type ke.
ISC XII 01 03 51 44.0–.84 37.50N–.02 38.35E–.02 9–6 116 0-25
IDC XII 01 03 51 41.7–2.4 37.46N 38.44E 0 3.6b,3.5 ¶602329877
DDA XII 01 03 51 42.8 37.47N 38.35E 18 4.1L,3.5
ISK XII 01 03 51 42.9 37.47N 38.37E 9–0 4.0L,3.5
ISCJB XII 01 03 51 43.5–.37 37.46N–.02 38.38E–.02 9–3 3.4b,3.5
IASPE XII 01 03 51 43.6–.94 37.50N–.03 38.36E–.03 10–6 3.4b,3.5
GII XII 01 03 51 47.9–.00 37.46N 38.33E 28 3.4b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=14.2km az=83.0.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=163.7.
IASPE Event type ke. Error ellipse: s-maj=4.9km s-min=4.8km az=41.1. GT5 selection from ISC bulletin. GT5 identified by Bond˙¡r and McLaughlin (2009) selection criteria. Bond˙¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
GII Event type ke.
ISC XII 01 04 38 30.2–1.2 40.41N–.05 27.09E–.05 13–9 19 0-1
DDA XII 01 04 38 29.2 40.36N 27.05E 14 2.5L ¶602329878
ISK XII 01 04 38 29.7 40.42N 27.09E 5–0 2.1L
ISCJB XII 01 04 38 30.1–1.1 40.37N–.05 27.06E–.06 2–10 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 01 04 51 32.7–1.1 37.57N–.03 32.20E–.05 12–9 20 0-2
ISK XII 01 04 51 31.9 37.58N 32.19E 5–0 2.2L ¶602329880
ISCJB XII 01 04 51 32.9–.69 37.57N–.03 32.16E–.06 3–10 2.2L
DDA XII 01 04 51 32.5 37.56N 32.20E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.7km az=19.3.
DDA Event type ke.
ISC XII 01 07 42 36.1–1.0 38.74N–.06 27.01E–.04 14–11 14 0-1
ISK XII 01 07 42 35.9 38.71N 27.01E 11–0 2.2L ¶602329884
ISCJB XII 01 07 42 36.2–.59 38.69N–.04 27.03E–.05 7–9 2.2L
DDA XII 01 07 42 36.8 38.83N 27.05E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.8km az=146.0.
DDA Event type ke.
ISC XII 01 09 11 31.0–.93 37.46N–.03 30.94E–.03 7–7 26 0-2
DDA XII 01 09 11 30.9 37.47N 30.95E 7 2.6L ¶602329889
ISK XII 01 09 11 30.9 37.42N 30.97E 6–0 2.1L
ISCJB XII 01 09 11 31.3–.52 37.44N–.03 30.96E–.04 8–4 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 01 09 24 37.9–1.0 38.90N–.04 37.79E–.04 15–9 16 0-2
ISK XII 01 09 24 36.6 38.93N 37.80E 5–0 2.1L ¶602329890
DDA XII 01 09 24 37.6 38.90N 37.78E 7 2.6L
ISCJB XII 01 09 24 38.3–.63 38.89N–.05 37.76E–.05 13–6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XII 01 10 27 29.5–1.1 37.16N–.04 27.97E–.05 14–10 12 0-1
ISCJB XII 01 10 27 29.7–.67 37.15N–.05 27.94E–.07 12–12 ¶602329896
ISK XII 01 10 27 29.2 37.22N 27.88E 24–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=7.4km az=19.5.
ISK Event type ke.
ISC XII 01 11 26 13.0–1.0 38.22N–.04 38.26E–.05 9 12 0-1
ISK XII 01 11 26 12.7 38.22N 38.27E 14–0 1.8L ¶602329901
ISCJB XII 01 11 26 13.4–.63 38.20N–.05 38.28E–.06 9 1.8L
DDA XII 01 11 26 13.3 38.10N 37.99E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.3km az=137.6.
DDA Event type ke.
ISC XII 01 16 27 24.0–.99 37.87N–.03 27.57E–.03 13–8 22 0-2
DDA XII 01 16 27 23.9 37.85N 27.57E 7 2.5L ¶602329919
ISK XII 01 16 27 23.6 37.88N 27.58E 16–0 2.4L
ISCJB XII 01 16 27 24.0–.54 37.86N–.03 27.56E–.03 4–6 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 01 21 27 05.0–.93 37.32N–.03 37.13E–.02 12–7 40 0-3
ISK XII 01 21 27 04.6 37.32N 37.12E 8–0 3.0L ¶602329930
ISCJB XII 01 21 27 05.4–.56 37.31N–.03 37.15E–.03 9–5 3.0L
DDA XII 01 21 27 05.4 37.27N 37.15E 30 3.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=20.5.
DDA Event type ke.
ISC XII 02 10 08 58.8–1.3 39.97N–.03 28.94E–.03 6–11 28 0-2
ISK XII 02 10 08 58.4 39.96N 28.95E 3–0 2.1L ¶602329986
ISCJB XII 02 10 08 59.1–.62 39.97N–.03 28.97E–.05 5–6 2.1L
DDA XII 02 10 08 59.5 39.98N 28.90E 4 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=31.8.
DDA Event type ke.
ISC XII 02 17 42 15.2–1.0 38.76N–.02 43.60E–.03 17–5 43 0-2
ISK XII 02 17 42 14.4 38.74N 43.59E 5–0 2.8L ¶602329997
ISCJB XII 02 17 42 15.7–.53 38.75N–.02 43.64E–.04 9–4 2.8L
DDA XII 02 17 42 15.1 38.78N 43.64E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=14.0.
DDA Event type ke.
ISC XII 02 23 02 19.4–1.0 38.67N–.03 43.18E–.03 16–11 24 0-2
ISK XII 02 23 02 18.3 38.63N 43.21E 24–0 2.3L ¶602330016
DDA XII 02 23 02 19.6 38.70N 43.19E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 04 01 02 32.1–.91 37.33N–.03 37.12E–.03 7–6 27 0-2
ISK XII 04 01 02 31.6 37.33N 37.10E 6–0 2.4L ¶602330082
ISCJB XII 04 01 02 32.1–.50 37.30N–.03 37.12E–.04 4–5 2.4L
DDA XII 04 01 02 33.0 37.35N 37.09E 7 3.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=136.9.
DDA Event type ke.
ISC XII 04 01 13 02.2–1.5 37.36N–.09 35.9E–.10 31–12 7 0-1
¶607290766
ISC Event type ke.
ISC XII 04 04 19 40.2–1.4 37.19N–.05 35.97E–.07 15 8 0-1
¶607290767
ISC Event type ke.
ISC XII 04 04 52 21.9–1.1 37.77N–.03 37.43E–.02 11–10 34 0-2
ISK XII 04 04 52 20.7 37.76N 37.43E 5–0 3.0L ¶602330087
DDA XII 04 04 52 22.0 37.78N 37.40E 13 3.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 04 10 18 32.2–.98 38.69N–.04 43.06E–.03 13–10 23 0-2
ISCJB XII 04 10 18 32.0–.48 38.69N–.03 43.01E–.04 6–8 ¶602330093
ISK XII 04 10 18 31.6 38.66N 43.03E 10–0 2.4L
DDA XII 04 10 18 32.0 38.69N 43.06E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=15.7.
ISK Event type ke.
DDA Event type ke.
ISC XII 04 12 45 26.9–1.1 38.46N–.05 28.49E–.04 9–7 18 0-1
ISCJB XII 04 12 45 27.1–.81 38.45N–.05 28.48E–.04 5–6 ¶602984257
DDA XII 04 12 45 27.1 38.49N 28.49E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=7.4.
DDA Event type ke.
ISC XII 04 12 50 31.2–1.1 40.53N–.03 33.04E–.02 7–10 32 0-2
ISK XII 04 12 50 30.6 40.50N 33.02E 4–0 3.0L ¶602330094
DDA XII 04 12 50 31.3 40.55N 33.04E 6 3.2L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 04 14 54 59.2–1.2 37.32N–.06 42.53E–.05 13–12 10 0-2
ISN XII 04 14 54 55.1–.30 37.36N 42.61E 0 2.4L ¶602216548
ISCJB XII 04 14 54 59.3–.74 37.34N–.04 42.58E–.06 9–10 2.4L
ISK XII 04 14 54 59.7 37.38N 42.59E 12–0 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=2.8km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.7km az=143.3.
ISK Event type ke.
ISC XII 04 18 56 23.8–1.2 38.71N–.03 43.16E–.03 4–12 22 0-2
ISK XII 04 18 56 22.3 38.71N 43.19E 5–0 2.3L ¶602330101
DDA XII 04 18 56 24.0 38.68N 43.20E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 04 19 50 52.0–1.1 37.99N–.03 29.11E–.04 8–11 15 0-1
ISK XII 04 19 50 51.3 37.99N 29.09E 8–0 2.2L ¶602330104
ISCJB XII 04 19 50 52.1–.58 38.01N–.03 29.08E–.05 4–9 2.2L
DDA XII 04 19 50 52.9 37.98N 29.04E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.7km az=11.4.
DDA Event type ke.
ISC XII 05 08 23 35.5–.94 37.32N–.03 37.14E–.02 9–8 28 0-2
ISCJB XII 05 08 23 35.5–.45 37.32N–.03 37.14E–.03 7–5 ¶602330143
DDA XII 05 08 23 35.2 37.34N 37.14E 7 3.4L
ISK XII 05 08 23 35.2 37.31N 37.12E 6–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=29.1.
DDA Event type ke.
ISK Event type ke.
ISC XII 05 09 21 12.0–1.0 41.00N–.03 33.50E–.03 8–9 31 0-2
ISK XII 05 09 21 10.9 41.02N 33.48E 5–0 2.9L ¶602330145
ISCJB XII 05 09 21 12.0–.54 41.02N–.03 33.49E–.03 1–6 2.9L
DDA XII 05 09 21 12.2 40.99N 33.52E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=19.2.
DDA Event type ke.
ISC XII 05 21 27 14.2–1.0 37.96N–.02 29.02E–.03 7–9 29 0-1
DDA XII 05 21 27 13.8 37.96N 29.04E 7 2.6L ¶602330171
ISCJB XII 05 21 27 14.3–.46 37.96N–.02 29.03E–.04 5–6 2.6L
ISK XII 05 21 27 14.1 37.91N 29.00E 10–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=162.4.
ISK Event type ke.
ISC XII 05 21 28 03.1–.98 38.64N–.04 43.21E–.03 12–10 21 0-2
ISK XII 05 21 28 01.7 38.63N 43.20E 5–0 2.0L ¶602330172
ISCJB XII 05 21 28 03.5–.48 38.63N–.04 43.20E–.04 10–6 2.0L
DDA XII 05 21 28 03.5 38.64N 43.24E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=152.7.
DDA Event type ke.
ISC XII 05 22 32 08.7–1.1 37.66N–.03 32.05E–.03 9–11 21 0-2
DDA XII 05 22 32 08.0 37.63N 32.05E 7 2.7L ¶602330174
ISCJB XII 05 22 32 08.7–.62 37.65N–.04 32.04E–.04 7–8 2.7L
ISK XII 05 22 32 08.8 37.66N 32.05E 12–0 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=161.1.
ISK Event type ke.
ISC XII 05 23 59 09.0–1.0 40.46N–.04 30.70E–.03 9–10 21 0-2
ISCJB XII 05 23 59 08.7–.63 40.44N–.05 30.71E–.04 6–6 ¶602330178
DDA XII 05 23 59 08.5 40.46N 30.70E 7 2.5L
ISK XII 05 23 59 08.4 40.46N 30.71E 6–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=166.9.
DDA Event type ke.
ISK Event type ke.
ISC XII 06 04 08 54.7–1.1 38.83N–.02 43.68E–.03 6–9 69 0-4
ISK XII 06 04 08 52.8 38.83N 43.64E 5–0 3.3L ¶602330196
DDA XII 06 04 08 53.5 38.82N 43.70E 21 3.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 06 04 43 30.7–.92 37.28N–.03 37.11E–.03 11–7 26 0-2
ISK XII 06 04 43 29.9 37.32N 37.15E 8–0 2.2L ¶602330198
ISCJB XII 06 04 43 30.9–.45 37.28N–.03 37.10E–.03 7–5 2.2L
DDA XII 06 04 43 31.1 37.29N 37.13E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=31.2.
DDA Event type ke.
ISC XII 06 11 10 04.2–1.7 37.09N–.07 41.23E–.04 7–11 21 0-2
ISK XII 06 11 10 03.1 37.05N 41.24E 4–0 2.6L ¶602330209
DDA XII 06 11 10 04.7 37.12N 41.24E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.

ISC XII 06 12 38 19.0–1.0 38.78N–.02 43.65E–.02 6–7 3.8b,3.2s 207 0-78
IDC XII 06 12 38 17.4–1.2 38.78N 43.71E 0 3.9,3.8 ¶606860261
MOS XII 06 12 38 17.3–2.8 38.44N 43.62E 10 4.0b,3.8
NEIC XII 06 12 38 17.9–.00 38.81N 43.67E 5 4.2L,3.9b
ISK XII 06 12 38 17.8 38.81N 43.67E 5–0 4.2L,3.9b
DDA XII 06 12 38 18.3 38.82N 43.67E 20 4.0L,3.9b
AZER XII 06 12 38 19.6–.95 38.75N 43.59E 7 4.0L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=13.0km az=158.0.
MOS Error ellipse: s-maj=8.4km s-min=5.4km az=84.1.
NEIC Event type se. After ISK.
ISK Event type ke.
DDA Event type ke.
AZER Error ellipse: s-maj=6.2km s-min=3.4km az=77.0.
ISC XII 06 21 23 09.0–1.1 40.82N–.04 31.62E–.03 7–12 29 0-2
DDA XII 06 21 23 08.8 40.84N 31.61E 7 3.0L ¶602330232
ISCJB XII 06 21 23 09.3–.51 40.79N–.05 31.62E–.03 7–5 3.0L
ISK XII 06 21 23 09.0 40.78N 31.62E 5–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=169.0.
ISK Event type ke.
ISC XII 07 03 17 58.6–1.2 37.74N–.03 37.45E–.03 8–10 29 0-3
ISCJB XII 07 03 17 58.6–.54 37.75N–.02 37.47E–.04 4–5 ¶602330260
ISK XII 07 03 17 58.0 37.74N 37.44E 6–0 2.4L
DDA XII 07 03 17 59.1 37.76N 37.50E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=21.0.
ISK Event type ke.
DDA Event type ke.
ISC XII 07 04 50 58.2–.66 36.62N–.03 31.63E–.03 90–6 3.6b 182 0-40
ISCJB XII 07 04 50 56.9–.18 36.61N–.02 31.62E–.02 104–2 3.6b ¶602005584
ISK XII 07 04 50 57.5 36.65N 31.61E 24–1 4.1L
GII XII 07 04 50 57.1–.27 36.67N 31.63E 96 3.4
DDA XII 07 04 50 57.8 36.68N 31.58E 90 4.1L
THE XII 07 04 50 58.8 36.62N 31.69E 19–5 3.4L
IDC XII 07 04 50 58.3–1.4 36.62N 31.62E 103–17 3.9,3.6
NIC XII 07 04 51 00.8–.20 36.51N 31.84E 61 4.2b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=35.8.
ISK Event type ke.
GII Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=5.7km s-min=1.5km az=103.0.
IDC Error ellipse: s-maj=15.4km s-min=14.1km az=3.0.
ISC XII 07 14 30 50.1–1.3 38.12N–.03 38.24E–.03 5–11 24 0-2
ISK XII 07 14 30 49.9 38.11N 38.23E 8–0 2.0L ¶602330294
ISCJB XII 07 14 30 50.1–.66 38.13N–.03 38.24E–.04 3–6 2.0L
DDA XII 07 14 30 50.4 38.13N 38.29E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.4km az=144.4.
DDA Event type ke.
ISC XII 08 05 43 08.0–1.1 36.67N–.03 30.05E–.02 10–8 3.5b 70 0-55
IDC XII 08 05 43 06.4–1.2 36.74N 30.13E 0 3.5b,3.4 ¶602330345
ISCJB XII 08 05 43 07.3–.60 36.60N–.03 30.03E–.03 2–4 3.4b,3.4
DDA XII 08 05 43 07.5 36.63N 30.06E 21 3.2L,3.4
ISK XII 08 05 43 07.6 36.69N 30.02E 3–0 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=18.5km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=176.7.
DDA Event type ke.
ISK Event type ke.
ISC XII 08 14 25 43.2–.92 38.93N–.04 41.08E–.04 15–6 19 0-2
ISCJB XII 08 14 25 43.9–.58 38.98N–.04 41.08E–.05 11–4 ¶602330373
ISK XII 08 14 25 43.3 38.94N 41.08E 10–0 2.1L
DDA XII 08 14 25 44.3 38.93N 41.05E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.1km az=32.7.
ISK Event type ke.
DDA Event type ke.
ISC XII 08 14 27 33.0–.94 38.93N–.03 27.75E–.02 13–6 29 0-1
ISCJB XII 08 14 27 33.0–.40 38.93N–.03 27.74E–.03 3–5 ¶602330374
DDA XII 08 14 27 32.9 38.92N 27.76E 13 2.9L
ISK XII 08 14 27 32.5 38.92N 27.74E 5–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=170.0.
DDA Event type ke.
ISK Event type ke.
ISC XII 08 22 10 20.6–.98 40.40N–.02 28.43E–.02 10–8 74 0-2
ISCJB XII 08 22 10 20.4–.30 40.40N–.02 28.42E–.02 3–3 ¶602330385
DDA XII 08 22 10 20.2 40.38N 28.43E 8 3.6L
ISK XII 08 22 10 20.3 40.41N 28.42E 6–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=168.0.
DDA Event type ke.
ISK Event type ke.
ISC XII 08 22 42 17.0–2.0 38.68N–.06 43.72E–.08 13–13 18 0-2
ISK XII 08 22 42 18.5 38.72N 43.49E 5–0 2.0L ¶602330386
ISCJB XII 08 22 42 19.6–.90 38.71N–.05 43.59E–.10 13–6 2.0L
DDA XII 08 22 42 19.6 38.70N 43.58E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.1km az=25.8.
DDA Event type ke.
ISC XII 09 01 17 10.5–1.2 38.74N–.03 43.43E–.06 13–13 14 0-1
ISK XII 09 01 17 09.7 38.71N 43.45E 17–0 2.5L ¶602330400
ISCJB XII 09 01 17 11.0–.63 38.74N–.04 43.42E–.07 13–5 2.5L
DDA XII 09 01 17 11.5 38.73N 43.45E 7 2.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.7km az=26.3.
DDA Event type ke.
ISC XII 09 04 01 09.6–1.3 38.40N–.04 39.25E–.03 7–13 25 1-2
ISCJB XII 09 04 01 09.7–.86 38.41N–.03 39.25E–.03 6–7 ¶602330403
ISK XII 09 04 01 09.8 38.38N 39.28E 9–0 2.6L
DDA XII 09 04 01 09.3 38.43N 39.24E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=25.6.
ISK Event type ke.
DDA Event type ke.
ISC XII 09 04 45 36.6–.80 40.77N–.03 30.66E–.02 16–6 83 0-38
IDC XII 09 04 45 33.7–.96 40.77N 30.52E 0 3.5,3.4b ¶602330405
DDA XII 09 04 45 35.8 40.71N 30.67E 7 3.9L,3.4b
ISK XII 09 04 45 35.8 40.73N 30.65E 3–0 3.6L,3.4b
ISCJB XII 09 04 45 36.5–.34 40.75N–.02 30.66E–.02 9–3 3.3b,2.9s
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 09 04 46 26.7–.96 38.74N–.03 43.16E–.03 17–9 23 0-2
ISCJB XII 09 04 46 26.8–.45 38.75N–.03 43.14E–.03 11–6 ¶602330406
ISK XII 09 04 46 26.1 38.72N 43.15E 6–0 2.6L
DDA XII 09 04 46 26.8 38.73N 43.17E 7 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=145.2.
ISK Event type ke.
DDA Event type ke.
ISC XII 09 07 56 41.5–.99 38.72N–.02 43.55E–.03 16–7 44 0-2
DDA XII 09 07 56 40.5 38.70N 43.61E 14 3.0L ¶602330409
ISK XII 09 07 56 40.4 38.72N 43.47E 5–0 3.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 09 13 58 36.9–.91 40.71N–.04 30.69E–.02 18–6 29 0-2
ISK XII 09 13 58 36.8 40.71N 30.68E 9–0 2.5L ¶602330420
ISCJB XII 09 13 58 37.2–.40 40.71N–.04 30.68E–.03 12–4 2.5L
DDA XII 09 13 58 37.0 40.71N 30.65E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=179.1.
DDA Event type ke.
ISC XII 09 17 47 02.4–1.0 37.40N–.03 36.29E–.03 10–8 31 0-2
ISCJB XII 09 17 47 02.5–.50 37.39N–.02 36.27E–.03 3–5 ¶602330423
ISK XII 09 17 47 02.1 37.41N 36.29E 7–0 2.8L
DDA XII 09 17 47 02.2 37.40N 36.28E 7 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=26.7.
ISK Event type ke.
DDA Event type ke.
ISC XII 09 17 59 07.2–.97 39.14N–.02 33.17E–.02 8–9 43 0-3
ISCJB XII 09 17 59 06.8–.46 39.14N–.02 33.18E–.03 0–5 ¶602330424
DDA XII 09 17 59 06.5 39.13N 33.18E 7 3.3L
ISK XII 09 17 59 06.2 39.15N 33.16E 2–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=172.0.
DDA Event type ke.
ISK Event type ke.
ISC XII 09 18 07 56.6–.98 38.65N–.03 43.21E–.03 14–9 25 0-2
ISCJB XII 09 18 07 56.6–.41 38.66N–.02 43.20E–.03 10–5 ¶602330425
ISK XII 09 18 07 56.2 38.66N 43.20E 6–1 2.4L
DDA XII 09 18 07 56.4 38.65N 43.22E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=146.8.
ISK Event type ke.
DDA Event type ke.
ISC XII 10 04 05 43.0–1.3 37.16N–.05 43.73E–.04 7–9 23 0-3
DDA XII 10 04 05 42.8 37.17N 43.71E 12 2.6L ¶602213901
ISN XII 10 04 05 44.4–.30 37.19N 43.50E 0 2.5L
ISK XII 10 04 05 45.5 37.27N 43.60E 4–1 2.5L
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=2.8km s-min=1.4km az=-1.0.
ISK Event type ke.
ISC XII 10 09 29 16.4–1.2 38.69N–.03 43.24E–.03 13–11 17 0-1
ISK XII 10 09 29 15.4 38.68N 43.25E 20–0 2.0L ¶602330441
DDA XII 10 09 29 18.1 38.66N 43.21E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 10 09 48 31.1–1.0 37.86N–.02 27.31E–.02 8–9 120 0-10
ATH XII 10 09 48 29.5 37.91N 27.41E 6–2 3.7L ¶602330442
ISK XII 10 09 48 29.5 37.84N 27.34E 3–0 3.8L
DDA XII 10 09 48 30.7 37.83N 27.34E 20 3.7L
THE XII 10 09 48 31.3 37.84N 27.32E 3–2 3.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=244.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=216.0.
ISC XII 10 14 29 34.4–1.1 38.61N–.04 43.28E–.04 13–8 17 0-1
ISK XII 10 14 29 33.5 38.61N 43.27E 3–0 2.5L ¶602330449
ISCJB XII 10 14 29 34.5–.59 38.62N–.04 43.28E–.04 12–6 2.5L
DDA XII 10 14 29 35.0 38.60N 43.28E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.8km az=5.8.
DDA Event type ke.
ISC XII 11 08 23 24.1–1.1 39.66N–.03 38.71E–.03 9–9 21 0-3
ISK XII 11 08 23 23.4 39.67N 38.70E 9–0 2.3L ¶602330475
DDA XII 11 08 23 23.8 39.65N 38.74E 7 2.6L
ISCJB XII 11 08 23 24.1–.50 39.67N–.03 38.73E–.04 6–6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XII 11 11 24 02.5–1.1 39.63N–.03 28.89E–.03 11–11 26 0-2
ISCJB XII 11 11 24 02.3–.53 39.64N–.03 28.90E–.04 7–5 ¶602330482
ISK XII 11 11 24 02.1 39.63N 28.90E 11–0 2.3L
DDA XII 11 11 24 03.4 39.58N 28.83E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=34.6.
ISK Event type ke.
DDA Event type ke.
ISC XII 12 01 18 15.8–.81 37.33N–.02 36.23E–.02 19–2 4.0b 186 0-78
ISK XII 12 01 18 13.6 37.30N 36.27E 11–0 4.1L ¶602330526
NEIC XII 12 01 18 13.7–.00 37.30N 36.27E 11 4.2b,4.0L
IDC XII 12 01 18 13.5–.74 37.32N 36.08E 0 3.9,3.9b
DDA XII 12 01 18 13.7 37.33N 36.24E 20 4.1L,3.9b
GII XII 12 01 18 14.4–.00 37.30N 36.27E 1 3.3,3.9b
ISCJB XII 12 01 18 14.9–.34 37.33N–.01 36.23E–.02 21–3 3.9b,3.9b
NIC XII 12 01 18 16.8–.40 36.79N 36.65E 12 4.3b,3.9L
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=14.9km s-min=12.3km az=98.0.
DDA Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=8.4.
ISC XII 12 06 37 34.7–1.4 40.55N–.04 35.31E–.04 0–15 17 0-2
ISK XII 12 06 37 34.5 40.54N 35.29E 5–0 2.5L ¶602330534
ISCJB XII 12 06 37 35.1–.67 40.54N–.04 35.26E–.05 4–8 2.5L
DDA XII 12 06 37 35.1 40.53N 35.24E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=41.7.
DDA Event type ke.
ISC XII 12 07 52 48.1–1.1 39.36N–.01 40.92E–.01 0–10 3.0s 113 0-73
DDA XII 12 07 52 47.8 39.37N 40.91E 15 4.0L ¶602330535
ISK XII 12 07 52 47.4 39.35N 40.92E 4–0 3.9L
IDC XII 12 07 52 47.7–1.9 39.14N 40.84E 0 4.0b,3.7
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=13.8km az=174.0.
ISC XII 12 12 02 09.8–1.1 37.17N–.04 37.22E–.04 2–8 15 0-1
ISK XII 12 12 02 09.6 37.17N 37.22E 5–0 1.9L ¶602330546
ISCJB XII 12 12 02 10.7–.73 37.15N–.03 37.23E–.05 3–7 1.9L
DDA XII 12 12 02 10.8 37.16N 37.25E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=3.7.
DDA Event type ke.
ISC XII 12 13 32 13.6–.91 36.52N–.06 34.09E–.08 16–7 17 0-1
DDA XII 12 13 32 11.4 36.47N 33.93E 6 2.7L ¶602330553
ISCJB XII 12 13 32 14.4–.79 36.51N–.05 34.17E–.06 13–4 2.7L
ISK XII 12 13 32 15.1 36.47N 34.13E 9–1 2.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.6km az=39.4.
ISK Event type ke.

ISC	**XII**	**12 15 02 10.5–1.4**	**37.32N–.04**	**42.64E–.03**	**1–12**		**26**	**0-2**
ISN	XII	12 15 02 08.6–.30	37.31N	42.69E	0	2.6L		**¶602213905**
ISCJB	XII	12 15 02 10.9–.61	37.36N–.03	42.68E–.04	1–6	2.6L		
ISK	XII	12 15 02 10.3	37.40N	42.65E	5–0	2.5L		
DDA	XII	12 15 02 11.5	37.23N	42.52E	7	2.8L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=2.8km s-min=1.3km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=40.9.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**12 19 35 02.2–.86**	**37.78N–.03**	**36.73E–.03**	**6**		**42**	**0-3**
ISK	XII	12 19 35 03.6	37.85N	36.72E	8–0	3.4L		**¶602330572**
ISCJB	XII	12 19 35 04.1–.30	37.83N–.02	36.70E–.03	6	3.4L		
DDA	XII	12 19 35 04.5	37.82N	36.69E	30	3.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=43.2.							
DDA	Event type ke.							
ISC	**XII**	**12 20 34 08.6–1.2**	**39.07N–.05**	**40.29E–.03**	**8–12**		**18**	**0-2**
ISK	XII	12 20 34 07.6	39.07N	40.31E	8–0	2.1L		**¶602330574**
ISCJB	XII	12 20 34 08.6–.56	39.10N–.05	40.32E–.03	7–9	2.1L		
DDA	XII	12 20 34 09.4	39.06N	40.34E	7	3.1L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.5km s-min=4.2km az=1.5.							
DDA	Event type ke.							
ISC	**XII**	**12 23 59 27.6–.94**	**38.95N–.04**	**43.55E–.03**	**10–6**		**18**	**0-2**
ISCJB	XII	12 23 59 27.9–.58	38.99N–.04	43.53E–.05	11–4			**¶602330581**
ISK	XII	12 23 59 27.2	38.96N	43.54E	12–0	2.0L		
DDA	XII	12 23 59 28.3	39.01N	43.52E	7	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=149.3.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**13 07 24 00.0–1.3**	**38.68N–.06**	**43.65E–.08**	**25–8**		**17**	**0-1**
ISCJB	XII	13 07 24 00.6–1.2	38.66N–.05	43.60E–.10	28–5			**¶602330592**
ISK	XII	13 07 24 00.6	38.72N	43.51E	18–0	1.8L		
DDA	XII	13 07 24 01.9	38.72N	43.49E	7	2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.4km s-min=6.1km az=30.3.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**13 16 00 56.4–1.3**	**40.70N–.05**	**41.31E–.04**	**5–13**		**17**	**0-19**
ISK	XII	13 16 00 55.8	40.68N	41.32E	5–0	2.6L		**¶602330613**
ISCJB	XII	13 16 00 56.6–.88	40.68N–.06	41.27E–.05	1–14	2.6L		
DDA	XII	13 16 00 57.6	40.74N	41.29E	7	2.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=175.3.							
DDA	Event type ke.							
ISC	**XII**	**13 19 35 51.8–1.2**	**37.84N–.03**	**36.62E–.03**	**7–10**		**23**	**0-2**
DDA	XII	13 19 35 51.9	37.85N	36.66E	7	2.6L		**¶602330615**
ISK	XII	13 19 35 51.9	37.81N	36.63E	9–0	2.1L		
ISCJB	XII	13 19 35 52.0–.57	37.85N–.03	36.66E–.04	6–5	2.1L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**13 19 54 04.7–.99**	**40.08N–.03**	**28.30E–.04**	**10–11**		**20**	**0-1**
DDA	XII	13 19 54 04.1	40.08N	28.25E	7	2.5L		**¶602330617**
ISK	XII	13 19 54 04.8	40.15N	28.29E	15–0	1.8L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**13 22 08 44.0–1.1**	**37.31N–.03**	**36.28E–.02**	**7–10**		**36**	**0-2**
DDA	XII	13 22 08 43.3	37.30N	36.26E	5	3.1L		**¶602330619**
ISK	XII	13 22 08 43.1	37.31N	36.27E	3–0	2.6L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**13 23 49 41.0–1.1**	**39.59N–.03**	**26.03E–.05**	**10–9**		**24**	**0-2**
ISK	XII	13 23 49 39.9	39.60N	25.98E	8–0	2.2L		**¶602330625**
ISCJB	XII	13 23 49 40.7–.70	39.59N–.03	26.00E–.05	6–4	2.2L		
DDA	XII	13 23 49 41.9	39.64N	26.11E	6	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=14.4.							
DDA	Event type ke.							
ISC	**XII**	**14 02 51 30.0–1.1**	**37.75N–.04**	**36.28E–.05**	**7–9**		**15**	**0-2**
DDA	XII	14 02 51 29.4	37.73N	36.21E	7	2.8L		**¶602330635**
ISK	XII	14 02 51 30.5	37.74N	36.31E	12–1	2.1L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**14 05 06 25.3–1.0**	**40.78N–.04**	**30.96E–.03**	**12–7**		**18**	**0-2**
ISK	XII	14 05 06 24.8	40.78N	30.93E	9–0	2.6L		**¶602330637**
ISCJB	XII	14 05 06 25.5–.56	40.76N–.04	30.93E–.04	9–4	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**14 11 11 40.6–1.2**	**38.45N–.03**	**39.68E–.04**	**4–13**		**17**	**0-1**
ISK	XII	14 11 11 39.6	38.47N	39.66E	5–0	2.1L		**¶602330643**
ISCJB	XII	14 11 11 40.5–.64	38.44N–.04	39.63E–.05	5–6	2.1L		
DDA	XII	14 11 11 42.5	38.41N	39.77E	7	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=155.9.							
DDA	Event type ke.							
ISC	**XII**	**14 12 20 31.9–1.3**	**36.92N–.05**	**32.15E–.04**	**7–11**		**18**	**0-2**
DDA	XII	14 12 20 31.9	36.91N	32.11E	7	2.6L		**¶602330644**
ISK	XII	14 12 20 31.6	36.84N	32.10E	12–0	2.1L		
ISCJB	XII	14 12 20 32.1–.73	36.87N–.06	32.09E–.04	8–7	2.1L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**15 20 07 34.9–.93**	**37.31N–.03**	**37.13E–.02**	**11–7**		**33**	**0-3**
ISCJB	XII	15 20 07 34.9–.49	37.29N–.03	37.13E–.03	7–4			**¶602330701**
ISK	XII	15 20 07 34.4	37.30N	37.09E	11–0	2.3L		
DDA	XII	15 20 07 34.9	37.33N	37.15E	7	3.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=25.5.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**15 21 14 38.6–1.2**	**37.65N–.04**	**36.22E–.04**	**7–9**		**18**	**0-2**
ISK	XII	15 21 14 37.0	37.81N	36.23E	17–0	1.8L		**¶602330705**
DDA	XII	15 21 14 39.0	37.63N	36.24E	3	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**16 00 18 13.4–1.2**	**39.78N–.06**	**26.18E–.05**	**14–7**		**13**	**0-2**
DDA	XII	16 00 18 13.4	39.89N	26.19E	8	2.1L		**¶607215284**
ISK	XII	16 00 18 13.8	39.82N	26.21E	7–0	1.4L		
ISCJB	XII	16 00 18 14.6–.63	39.88N–.05	26.23E–.05	2–9	1.4L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**16 04 15 09.1–1.3**	**36.98N–.04**	**35.59E–.03**	**14–11**		**22**	**1-2**
DDA	XII	16 04 15 08.8	36.96N	35.58E	7	2.5L		**¶602330733**
ISCJB	XII	16 04 15 09.5–.81	36.98N–.03	35.60E–.03	7–7	2.5L		
ISK	XII	16 04 15 09.6	37.01N	35.63E	18–0	2.4L		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=155.5.							
ISK	Event type ke.							
ISC	**XII**	**16 04 43 36.7–1.2**	**38.18N–.03**	**38.56E–.03**	**6–12**		**19**	**1-2**
ISK	XII	16 04 43 36.6	38.14N	38.59E	5–0	1.9L		**¶602330734**
DDA	XII	16 04 43 36.5	38.20N	38.55E	7	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**16 06 33 18.6–.98**	**39.21N–.02**	**41.51E–.02**	**13–8**		**97**	**0-81**
ISK	XII	16 06 33 17.3	39.17N	41.50E	5–0	3.6L		**¶602330737**
IDC	XII	16 06 33 18.4–1.8	39.18N	41.74E	0	3.2s,3.2		
DDA	XII	16 06 33 18.2	39.21N	41.49E	16	3.8L,3.2		
AZER	XII	16 06 33 26.6–1.8	39.93N	41.41E	5	3.3L,3.2		
ISC	Event type ke.							
ISK	Event type ke.							
IDC	Error ellipse: s-maj=30.1km s-min=14.0km az=123.0.							
DDA	Event type ke.							
AZER	Error ellipse: s-maj=17.7km s-min=14.9km az=154.0.							
ISC	**XII**	**16 10 22 04.8–1.6**	**37.87N–.04**	**39.01E–.04**	**2–13**		**16**	**0-2**
ISK	XII	16 10 22 04.7	37.85N	39.04E	5–0	1.7L		**¶602330753**
DDA	XII	16 10 22 05.5	37.93N	38.98E	7	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**16 13 15 48.0–1.5**	**37.00N–.04**	**28.11E–.03**	**3–13**		**19**	**0-1**
ISK	XII	16 13 15 48.5	37.01N	28.14E	30–0	2.4L		**¶602330762**
DDA	XII	16 13 15 50.6	36.99N	28.10E	7	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**16 22 59 32.5–.89**	**40.82N–.02**	**31.02E–.02**	**12–7**		**69**	**0-6**
ISCJB	XII	16 22 59 32.4–.43	40.85N–.02	30.99E–.03	9–3			**¶602330783**
DDA	XII	16 22 59 32.1	40.81N	31.03E	7	3.5L		
ISK	XII	16 22 59 32.1	40.82N	30.98E	6–0	3.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=34.3.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**16 23 36 02.7–1.3**	**38.47N–.04**	**38.99E–.03**	**7–11**		**26**	**1-3**
ISCJB	XII	16 23 36 02.9–.72	38.44N–.03	39.02E–.04	1–8			**¶602330785**
DDA	XII	16 23 36 03.6	38.41N	38.94E	7	2.8L		
ISK	XII	16 23 36 03.0	38.44N	38.96E	14–0	2.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=27.2.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**17 01 49 41.1–1.1**	**39.39N–.03**	**34.85E–.03**	**10–11**		**24**	**0-2**
DDA	XII	17 01 49 40.5	39.39N	34.83E	7	2.8		**¶602328920**
ISK	XII	17 01 49 40.9	39.38N	34.85E	6–0	1.9L		
ISCJB	XII	17 01 49 41.1–.57	39.39N–.03	34.84E–.03	5–5	1.9L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke.							
ISC	**XII**	**17 12 14 02.8–.98**	**40.08N–.03**	**30.21E–.04**	**13–8**		**17**	**0-1**
ISCJB	XII	17 12 14 03.0–.67	40.08N–.04	30.20E–.05	4–8			**¶602328938**
DDA	XII	17 12 14 02.7	40.07N	30.22E	7	2.8L		
ISK	XII	17 12 14 02.6	40.09N	30.20E	10–3	1.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=39.5.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**17 13 33 52.2–1.5**	**38.78N–.08**	**43.58E–.06**	**13**		**9**	**0-1**
ISCJB	XII	17 13 33 51.7–1.5	38.76N–.07	43.66E–.09	13			**¶602984654**
DDA	XII	17 13 33 51.9	38.78N	43.59E	7	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.0km s-min=7.9km az=39.8.							
DDA	Event type ke.							
ISC	**XII**	**17 15 01 51.6–1.3**	**37.45N–.05**	**42.73E–.03**	**6–11**		**21**	**0-2**
ISCJB	XII	17 15 01 51.9–.61	37.46N–.05	42.72E–.04	6–6			**¶602213913**
ISK	XII	17 15 01 51.2	37.52N	42.68E	7–0	2.6L		
ISN	XII	17 15 01 51.4–.30	37.33N	42.75E	0	2.5L		
DDA	XII	17 15 01 52.9	37.30N	42.62E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=21.0.							
ISK	Event type ke.							
ISN	Error ellipse: s-maj=2.9km s-min=1.1km az=-1.0.							
DDA	Event type ke.							
ISC	**XII**	**17 15 38 20.1–.86**	**38.70N–.02**	**43.49E–.02**	**14–6**		**75**	**0-4**
ISK	XII	17 15 38 17.9	38.74N	43.47E	5–0	3.3L		**¶602328943**
DDA	XII	17 15 38 18.5	38.68N	43.54E	20	3.6L		
AZER	XII	17 15 38 19.4–1.6	38.55N	43.56E	5	3.1L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
AZER	Error ellipse: s-maj=13.4km s-min=10.7km az=23.0.							
ISC	**XII**	**17 18 59 27.8–.96**	**40.01N–.04**	**38.98E–.03**	**8**		**13**	**0-2**
ISCJB	XII	17 18 59 27.6–.57	40.02N–.05	38.98E–.04	8			**¶602328948**
DDA	XII	17 18 59 27.8	39.98N	38.97E	7	2.5L		
ISK	XII	17 18 59 27.8	40.08N	39.02E	10–1	2.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=155.5.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**18 00 49 43.8–.99**	**37.35N–.05**	**36.35E–.05**	**8**		**13**	**0-2**
ISCJB	XII	18 00 49 44.6–.64	37.37N–.04	36.31E–.06	8			**¶602328961**
DDA	XII	18 00 49 44.3	37.36N	36.30E	7	3.3L		
ISK	XII	18 00 49 44.5	37.36N	36.35E	14–1	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=159.9.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**18 07 36 09.2–1.1**	**39.40N–.03**	**28.13E–.03**	**9–10**		**25**	**0-2**
ISCJB	XII	18 07 36 08.9–.49	39.38N–.03	28.15E–.04	6–5			**¶602328972**
DDA	XII	18 07 36 08.8	39.40N	28.13E	7	2.7L		
ISK	XII	18 07 36 08.7	39.39N	28.16E	6–0	2.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=141.6.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**18 08 37 14.8–.95**	**38.53N–.03**	**43.30E–.04**	**11–7**		**17**	**0-1**
ISCJB	XII	18 08 37 15.0–.59	38.53N–.03	43.29E–.04	2–7			**¶602328974**
DDA	XII	18 08 37 14.6	38.50N	43.35E	7	2.6L		
ISK	XII	18 08 37 14.0	38.57N	43.25E	5–1	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=32.5.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**18 11 35 38.3–1.3**	**39.69N–.06**	**37.42E–.03**	**9–14**		**14**	**0-2**
DDA	XII	18 11 35 38.1	39.63N	37.39E	7	2.5L		**¶602328983**
ISK	XII	18 11 35 38.6	39.74N	37.43E	9–0	2.2L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**18 15 12 42.8–1.0**	**37.06N–.03**	**34.72E–.03**	**10–9**		**33**	**0-3**
ISCJB	XII	18 15 12 42.9–.69	37.04N–.03	34.69E–.04	0–6			**¶602328992**
DDA	XII	18 15 12 42.5	37.02N	34.79E	7	3.2L		
ISK	XII	18 15 12 42.1	37.02N	34.72E	5–0	2.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=136.2.
DDA Event type ke.
ISK Event type ke.
ISC XII 18 19 40 04.0–1.1 37.78N–.03 36.50E–.03 9–11 25 0-2
ISK XII 18 19 40 02.7 37.78N 36.51E 9–0 2.6L ¶602329000
DDA XII 18 19 40 04.2 37.79N 36.47E 7 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 19 02 19 13.9–.89 39.41N–.03 27.81E–.03 14–6 27 0-1
ISCJB XII 19 02 19 13.9–.45 39.41N–.03 27.86E–.03 7–4 ¶602329006
DDA XII 19 02 19 13.8 39.42N 27.86E 9 2.6L
ISK XII 19 02 19 13.4 39.42N 27.78E 8–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=10.5.
DDA Event type ke.
ISK Event type ke.
ISC XII 19 03 46 52.9–.93 37.33N–.03 36.98E–.03 10–8 27 0-11
ISCJB XII 19 03 46 52.8–.49 37.32N–.03 36.97E–.03 6–4 ¶602329009
DDA XII 19 03 46 52.6 37.34N 36.99E 7 3.4L
ISK XII 19 03 46 52.5 37.33N 36.98E 6–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=25.1.
DDA Event type ke.
ISK Event type ke.
ISC XII 19 09 02 02.2–1.4 38.60N–.03 27.22E–.04 9–11 19 0-1
DDA XII 19 09 02 02.5 38.60N 27.22E 7 2.7L ¶602329022
ISK XII 19 09 02 02.1 38.62N 27.19E 15–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 19 11 16 32.6–1.0 37.34N–.04 36.99E–.03 8–9 19 0-1
ISK XII 19 11 16 31.8 37.32N 36.96E 5–0 2.1L ¶602329027
ISCJB XII 19 11 16 32.4–.58 37.33N–.04 36.97E–.04 4–6 2.1L
DDA XII 19 11 16 32.5 37.43N 37.03E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=32.1.
DDA Event type ke.
ISC XII 19 11 38 17.1–1.1 38.97N–.03 27.99E–.03 11–11 20 0-2
DDA XII 19 11 38 16.8 39.00N 27.99E 7 2.4L ¶602329029
ISCJB XII 19 11 38 17.2–.50 38.97N–.03 27.99E–.04 9–6 2.4L
ISK XII 19 11 38 17.0 38.94N 27.99E 10–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.8km az=11.8.
ISK Event type ke.
ISC XII 19 11 40 32.4–.97 38.87N–.04 28.06E–.04 13–9 15 0-1
DDA XII 19 11 40 32.0 38.87N 28.05E 7 2.7L ¶602329030
ISK XII 19 11 40 32.6 38.81N 28.03E 18–3 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 19 12 06 08.0–.98 38.50N–.03 43.29E–.03 8–8 20 0-1
ISK XII 19 12 06 07.6 38.51N 43.26E 5–0 2.2L ¶602329033
ISCJB XII 19 12 06 08.4–.48 38.48N–.03 43.30E–.04 9–5 2.2L
DDA XII 19 12 06 08.3 38.47N 43.29E 3 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=140.1.
DDA Event type ke.
ISC XII 19 12 45 41.9–.96 37.34N–.04 36.99E–.03 11–8 17 0-1
ISCJB XII 19 12 45 41.8–.53 37.32N–.03 36.97E–.04 8–5 ¶602329034
DDA XII 19 12 45 41.7 37.40N 37.01E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=37.6.
DDA Event type ke.
ISC XII 19 12 46 19.7–.98 37.30N–.04 36.97E–.03 10–8 29 0-2
ISCJB XII 19 12 46 19.8–.51 37.29N–.03 36.95E–.04 7–5 ¶602984710
DDA XII 19 12 46 19.5 37.30N 36.97E 7 3.4L
ISK XII 19 12 46 19.3 37.32N 36.98E 8–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.5km az=37.2.
DDA Event type ke.
ISK Event type ke.
ISC XII 19 13 40 44.8–1.5 37.32N–.05 36.36E–.04 5–11 17 0-2
ISK XII 19 13 40 43.0 37.22N 36.40E 13–0 2.2L ¶602329036
DDA XII 19 13 40 46.9 37.44N 36.32E 7 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 19 16 18 30.4–.92 38.68N–.02 43.17E–.02 12–8 59 0-4
AZER XII 19 16 18 21.9–1.6 37.87N 42.69E 15 3.4L ¶602329039
ISK XII 19 16 18 28.9 38.70N 43.17E 2–0 3.5L
DDA XII 19 16 18 29.7 38.68N 43.22E 16 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=19.6km s-min=12.3km az=126.0.
ISK Event type ke.
DDA Event type ke.
ISC XII 19 18 27 49.7–.94 37.31N–.04 37.13E–.03 11–8 19 0-1
ISCJB XII 19 18 27 49.7–.54 37.30N–.05 37.11E–.04 10–5 ¶602329046
ISK XII 19 18 27 49.4 37.32N 37.12E 5–0 2.0L
DDA XII 19 18 27 49.5 37.35N 37.11E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.3km az=26.9.
ISK Event type ke.
DDA Event type ke.
ISC XII 19 19 06 54.3–.95 38.68N–.03 43.17E–.03 13–9 24 0-2
ISK XII 19 19 06 52.9 38.69N 43.16E 4–0 2.5L ¶602329050
ISCJB XII 19 19 06 54.0–.44 38.68N–.03 43.16E–.04 5–7 2.5L
DDA XII 19 19 06 54.1 38.65N 43.21E 6 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=30.0.
DDA Event type ke.
ISC XII 19 20 13 20.1–.98 38.71N–.03 43.51E–.03 13–9 35 0-2
ISK XII 19 20 13 19.6 38.70N 43.45E 6–0 3.0L ¶602329060
DDA XII 19 20 13 19.7 38.69N 43.52E 17 3.0L
ISCJB XII 19 20 13 20.3–.47 38.71N–.02 43.51E–.05 8–4 3.0L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XII 19 21 45 06.8–1.2 37.82N–.02 36.73E–.02 1–9 61 0-77
DDA XII 19 21 45 06.8 37.84N 36.68E 10 3.9L ¶602329062
ISK XII 19 21 45 06.7 37.84N 36.67E 6–0 3.7L
ISCJB XII 19 21 45 07.1–.45 37.83N–.02 36.69E–.02 4–4 3.3b
IDC XII 19 21 45 07.6–1.2 37.90N 36.67E 0 3.6,3.5
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=28.1.
IDC Error ellipse: s-maj=21.8km s-min=11.6km az=51.0.
ISC XII 19 22 02 20.1–1.2 37.73N–.03 42.87E–.04 7–11 17 0-2
ISN XII 19 22 02 17.9–.30 37.61N 42.85E 0 2.5L ¶602213916
ISCJB XII 19 22 02 19.9–.52 37.72N–.03 42.87E–.04 6–10 2.5L
DDA XII 19 22 02 19.9 37.73N 42.86E 7 2.6L
ISK XII 19 22 02 20.3 37.74N 42.82E 8–0 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=2.9km s-min=0.7km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=33.1.
DDA Event type ke.
ISK Event type ke.
ISC XII 20 03 27 39.3–.93 38.70N–.03 43.19E–.03 16–7 24 0-2
ISK XII 20 03 27 38.5 38.71N 43.19E 5–0 2.4L ¶602329079
ISCJB XII 20 03 27 39.1–.43 38.71N–.02 43.18E–.04 6–6 2.4L
DDA XII 20 03 27 39.1 38.69N 43.22E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=176.1.
DDA Event type ke.
ISC XII 20 11 18 36.0–1.1 37.30N–.06 37.12E–.05 10–10 11 0-1
DDA XII 20 11 18 36.2 37.29N 37.15E 7 2.5L ¶602984733
ISC Event type ke.
DDA Event type ke.
ISC XII 20 16 06 41.6–1.3 37.79N–.03 37.48E–.04 6–12 16 0-1
DDA XII 20 16 06 41.8 37.75N 37.49E 7 2.7L ¶602329097
ISK XII 20 16 06 41.9 37.82N 37.47E 15–0 2.1L
ISCJB XII 20 16 06 42.1–.64 37.78N–.03 37.50E–.05 9–6 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 20 17 49 07.9–2.0 38.64N–.05 43.18E–.05 25–18 15 0-1
ISCJB XII 20 17 49 07.8–.83 38.62N–.05 43.19E–.06 29–7 ¶602329099
ISK XII 20 17 49 07.5 38.67N 43.14E 13–3 2.1L
DDA XII 20 17 49 08.7 38.66N 43.16E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.3km az=147.4.
ISK Event type ke.
DDA Event type ke.
ISC XII 20 21 14 15.5–.99 38.54N–.04 31.89E–.03 11–10 17 0-2
ISCJB XII 20 21 14 15.4–.60 38.50N–.04 31.88E–.06 8–9 ¶602329103
DDA XII 20 21 14 15.2 38.54N 31.88E 7 2.7L
ISK XII 20 21 14 15.5 38.51N 31.91E 8–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.3km az=144.0.
DDA Event type ke.
ISK Event type ke.
ISC XII 21 04 01 44.9–1.4 38.81N–.04 43.69E–.06 14–12 12 0-1
DDA XII 21 04 01 44.8 38.78N 43.76E 7 2.5L ¶602329106
ISK XII 21 04 01 44.4 38.80N 43.66E 21–1 1.6L
ISCJB XII 21 04 01 45.0–1.7 38.80N–.05 43.7E–.10 24–16 1.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 21 11 09 24.7–1.0 38.99N–.03 42.32E–.03 12–9 18 0-1
ISK XII 21 11 09 23.9 38.98N 42.30E 13–0 2.2L ¶602329114
ISCJB XII 21 11 09 24.5–.57 39.01N–.03 42.29E–.04 7–9 2.2L
DDA XII 21 11 09 25.1 38.98N 42.29E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=143.0.
DDA Event type ke.
ISC XII 21 17 02 29.9–.95 38.12N–.04 27.20E–.03 13–10 20 0-1
ISCJB XII 21 17 02 29.8–.51 38.11N–.04 27.19E–.04 12–8 ¶602329126
ISK XII 21 17 02 29.3 38.11N 27.18E 13–4 2.0L
DDA XII 21 17 02 30.3 38.09N 27.17E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=41.6.
ISK Event type ke.
DDA Event type ke.
ISC XII 21 21 08 19.6–5.3 39.0N–.20 43.79E–.09 15–23 10 0-1
DDA XII 21 21 08 20.3 38.97N 43.79E 7 2.5L ¶602984788
ISC Event type ke.
DDA Event type ke.
ISC XII 21 21 16 45.9–1.2 38.86N–.03 43.34E–.04 15–10 21 0-1
ISCJB XII 21 21 16 46.0–.84 38.86N–.03 43.41E–.06 26–7 ¶602329133
ISK XII 21 21 16 45.2 38.85N 43.35E 19–0 2.2L
DDA XII 21 21 16 46.4 38.85N 43.36E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=13.1.
ISK Event type ke.
DDA Event type ke.
ISC XII 21 23 09 40.7–1.1 38.89N–.03 41.94E–.03 9–10 30 0-2
ISCJB XII 21 23 09 40.8–.45 38.88N–.02 41.94E–.03 7–4 ¶602329139
ISK XII 21 23 09 40.4 38.87N 41.93E 6–0 2.5L
DDA XII 21 23 09 40.4 38.90N 41.94E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=139.3.
ISK Event type ke.
DDA Event type ke.
ISC XII 22 02 15 13.7–1.1 38.77N–.04 43.52E–.04 15–9 18 0-1
ISCJB XII 22 02 15 13.6–.96 38.76N–.04 43.55E–.07 22–9 ¶602329144
DDA XII 22 02 15 13.7 38.73N 43.56E 7 2.5L
ISK XII 22 02 15 13.1 38.76N 43.50E 15–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.3km az=25.2.
DDA Event type ke.
ISK Event type ke.
ISC XII 22 03 25 43.2–.99 38.71N–.03 43.16E–.03 10–9 22 0-1
ISK XII 22 03 25 42.1 38.70N 43.16E 5–0 2.3L ¶602329146
DDA XII 22 03 25 43.2 38.69N 43.19E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 22 04 57 39.3–1.2 37.35N–.05 42.3E–.10 15 8 0-2
ISN XII 22 04 57 35.7–.30 37.31N 42.33E 0 2.4L ¶602213918
ISK XII 22 04 57 37.3 37.26N 42.43E 10–0 2.5L
ISCJB XII 22 04 57 39.0–.93 37.33N–.04 42.4E–.10 15 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 22 06 08 31.0–.94 37.28N–.04 37.08E–.03 14–7 19 0-1
ISK XII 22 06 08 29.9 37.23N 37.01E 16–0 1.8L ¶602329151
ISCJB XII 22 06 08 31.3–.61 37.26N–.05 37.09E–.04 12–5 1.8L
DDA XII 22 06 08 31.4 37.31N 37.12E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=27.1.
DDA Event type ke.
ISC XII 22 13 59 20.3–.96 38.68N–.03 43.50E–.04 15–7 24 0-2
ISK XII 22 13 59 19.1 38.70N 43.43E 5–0 2.9L ¶602329161
ISCJB XII 22 13 59 20.4–.47 38.70N–.03 43.46E–.05 10–4 2.9L
DDA XII 22 13 59 20.2 38.67N 43.56E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=22.5.
DDA Event type ke.
ISC XII 22 19 43 54.4–.87 39.42N–.02 28.23E–.02 11 71 0-3
ATH XII 22 19 43 53.5 39.43N 28.22E 15–6 3.2L ¶602329172
ISCJB XII 22 19 43 54.4–.24 39.43N–.02 28.25E–.02 11 3.2L
ISK XII 22 19 43 54.3 39.43N 28.25E 14–0 3.5L
DDA XII 22 19 43 54.7 39.42N 28.24E 7 3.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.2km s-min=2.9km az=252.0. Analyst: K.L. ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=12.7.
ISK Event type ke.
DDA Event type ke.

ISC XII 22 20 14 46.0–1.1 39.41N–.03 28.25E–.03 8–14 18 0-2
ISCJB XII 22 20 14 45.6–.51 39.41N–.04 28.25E–.04 4–9 **¶602329174**
DDA XII 22 20 14 45.6 39.42N 28.24E 7 2.7L
ISK XII 22 20 14 45.4 39.42N 28.25E 7–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=164.1.
DDA Event type ke.
ISK Event type ke.
ISC XII 22 21 18 08.3–2.2 37.02N–.08 36.10E–.07 10–14 14 1-2
ISK XII 22 21 18 08.9 37.04N 36.13E 5–0 1.9L **¶602329178**
DDA XII 22 21 18 09.4 37.07N 36.18E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 23 02 31 49.7–.82 39.42N–.02 28.23E–.02 11 92 0-8
ISCJB XII 23 02 31 49.7–.22 39.42N–.02 28.24E–.02 11 **¶602329188**
DDA XII 23 02 31 49.9 39.42N 28.24E 7 3.6L
ATH XII 23 02 31 49.9 39.40N 28.28E 32–12 3.3L
ISK XII 23 02 31 49.6 39.43N 28.25E 14–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=1.1.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=13.8km s-min=2.1km az=85.0. Analyst: K.L. ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISC XII 23 19 52 35.0–1.2 37.33N–.04 37.12E–.05 5–12 14 0-1
ISCJB XII 23 19 52 34.9–.62 37.29N–.05 37.09E–.06 8–9 **¶602329224**
ISK XII 23 19 52 34.2 37.31N 37.11E 7–0 1.4L
DDA XII 23 19 52 36.4 37.37N 37.08E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.1km az=35.8.
ISK Event type ke.
DDA Event type ke.
ISK XII 23 23 08 26.8 39.42N 28.25E 13–0 3.3L
DDA XII 23 23 08 26.9 39.42N 28.24E 7 3.2L **¶602329232**
ISK Event type ke.
DDA Event type ke.
ISC XII 24 03 48 39.9–1.1 37.83N–.03 36.64E–.03 8–10 27 0-2
ISK XII 24 03 48 39.4 37.81N 36.68E 14–0 2.0L **¶602329247**
DDA XII 24 03 48 40.2 37.85N 36.65E 12 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 24 04 14 50.5–.66 37.85N–.02 37.01E–.02 10 3.4b 81 0-77
DDA XII 24 04 14 49.0 37.85N 37.02E 12 4.0L **¶602329250**
ISK XII 24 04 14 49.1 37.84N 37.00E 7–0 3.8L
ISCJB XII 24 04 14 50.1–.24 37.82N–.02 37.02E–.02 10 3.5b,3.1s
IDC XII 24 04 14 51.2–1.6 37.81N 36.77E 0 3.6,3.5b
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=36.2.
IDC Error ellipse: s-maj=30.8km s-min=12.5km az=76.0.
ISC XII 24 05 46 53.9–1.1 38.86N–.03 42.44E–.03 7–10 27 0-2
DDA XII 24 05 46 53.8 38.87N 42.44E 7 2.7L **¶602329252**
ISK XII 24 05 46 53.2 38.83N 42.45E 5–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 24 09 31 49.9–.92 39.76N–.03 30.86E–.04 11 19 0-1
ISCJB XII 24 09 31 49.7–.55 39.79N–.04 30.87E–.06 11 **¶602329255**
ISK XII 24 09 31 49.3 39.74N 30.80E 8–6 2.1L
DDA XII 24 09 31 49.1 39.82N 30.95E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=150.8.
ISK Event type ke.
DDA Event type ke.
ISC XII 24 15 25 39.5–1.2 37.86N–.03 36.69E–.03 5–12 20 0-2
DDA XII 24 15 25 39.5 37.83N 36.64E 7 2.5L **¶602329265**
ISK XII 24 15 25 39.6 37.83N 36.72E 14–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 24 15 47 53.3–.83 39.31N–.02 26.10E–.02 10–6 61 0-3
ISCJB XII 24 15 47 52.9–.41 39.30N–.02 26.10E–.03 6–3 **¶602329266**
ISK XII 24 15 47 52.3 39.29N 26.10E 8–0 2.6L
DDA XII 24 15 47 52.6 39.36N 26.07E 7 2.7L
ATH XII 24 15 47 53.3 39.32N 26.11E 11–3 2.2L
THE XII 24 15 47 53.3 39.32N 26.10E 4–5 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=163.2.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=135.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=0.7km az=116.0.
ISC XII 24 16 23 08.7–1.0 38.81N–.04 43.49E–.06 14–10 14 0-1
ISK XII 24 16 23 07.7 38.81N 43.46E 12–0 2.2L **¶602329267**
DDA XII 24 16 23 08.7 38.71N 43.55E 7 2.8L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 24 18 25 31.8–.84 39.06N–.02 26.88E–.02 7–5 78 0-3
IASPE XII 24 18 25 31.8–.86 39.06N–.02 26.88E–.03 7–5 **¶602329270**
ATH XII 24 18 25 31.3 39.06N 26.92E 24–2 2.4L
ISK XII 24 18 25 31.3 39.07N 26.87E 7–0 2.4L
ISCJB XII 24 18 25 32.1–.34 39.10N–.01 26.89E–.02 1–3 2.4L
DDA XII 24 18 25 32.5 39.12N 26.90E 15 2.8L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=96.1. GT5 selection from ISC
bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and
McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let.,
80, 465-472, 2009.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.4km az=261.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=167.2.
DDA Event type ke.
ISC XII 24 19 05 25.5–1.2 37.26N–.03 36.32E–.02 3–11 51 0-3
ISCJB XII 24 19 05 25.9–.51 37.30N–.02 36.26E–.02 3–5 **¶602329271**
DDA XII 24 19 05 25.7 37.30N 36.23E 7 3.5L
ISK XII 24 19 05 25.4 37.31N 36.28E 7–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=170.9.
DDA Event type ke.
ISK Event type ke.
ISC XII 25 08 22 42.7–1.3 37.10N–.04 43.46E–.04 5–13 23 0-3
DDA XII 25 08 22 42.3 37.11N 43.46E 6 3.2L **¶602213925**
ISN XII 25 08 22 42.3–.30 37.06N 43.47E 0 3.0L
ISK XII 25 08 22 42.2 37.14N 43.45E 4–0 3.1L
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.5km az=-1.0.
ISK Event type ke.
ISC XII 25 10 18 24.0–1.4 37.82N–.05 39.14E–.05 3–14 12 0-2
ISK XII 25 10 18 22.0 37.90N 38.97E 20–0 2.0L **¶602329301**
ISCJB XII 25 10 18 23.8–1.1 37.85N–.06 39.12E–.07 4–9 2.0L
DDA XII 25 10 18 29.0 38.01N 39.59E 81 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.9km az=138.3.
DDA Event type ke.
ISC XII 25 11 01 21.4–.93 39.61N–.03 26.02E–.04 15–8 20 0-1
ATH XII 25 11 01 20.9 39.60N 26.02E 26–1 1.6L **¶602984924**
ISCJB XII 25 11 01 21.4–.52 39.61N–.03 26.01E–.04 5–6 1.6L
DDA XII 25 11 01 22.1 39.66N 26.10E 7 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=245.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=151.1.
DDA Event type ke.
ISC XII 25 13 00 48.0–1.2 40.63N–.03 39.90E–.04 8 13 0-2
ISCJB XII 25 13 00 47.8–.56 40.63N–.03 39.91E–.05 8 **¶602329313**
ISK XII 25 13 00 47.6 40.64N 39.93E 10–0 2.5L
DDA XII 25 13 00 48.1 40.62N 39.87E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=12.0.
ISK Event type ke.
DDA Event type ke.
ISC XII 25 15 35 52.8–.00 39.85N–.02 34.09E–.02 8–8 3.7b 97 0-75
IDC XII 25 15 35 51.9–1.1 39.85N 34.08E 0 4.0L,3.7 **¶602329320**
ISK XII 25 15 35 51.4 39.85N 34.08E 5–0 3.9L,3.7
DDA XII 25 15 35 52.1 39.85N 34.10E 17 4.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=7.2km az=147.0.
ISK Event type ke.
DDA Event type ke.
ISC XII 25 20 39 05.8–1.1 38.71N–.05 43.35E–.05 33–4 15 0-1
ISK XII 25 20 39 05.8 38.76N 43.32E 17–0 2.0L **¶602329327**
ISCJB XII 25 20 39 06.5–.61 38.73N–.04 43.32E–.06 28–5 2.0L
DDA XII 25 20 39 07.6 38.74N 43.27E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.9km az=170.6.
DDA Event type ke.
ISC XII 25 22 04 12.3–.90 38.91N–.03 43.52E–.03 10–7 30 0-2
ISK XII 25 22 04 11.5 38.91N 43.53E 6–0 2.3L **¶602329330**
ISCJB XII 25 22 04 12.6–.42 38.93N–.03 43.50E–.04 10–4 2.3L
DDA XII 25 22 04 12.1 38.94N 43.51E 14 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=21.0.
DDA Event type ke.
ISC XII 26 00 48 19.5–1.1 38.80N–.04 43.59E–.06 15–9 15 0-2
ISK XII 26 00 48 18.9 38.79N 43.60E 12–0 2.0L **¶602329348**
ISCJB XII 26 00 48 19.5–.86 38.81N–.04 43.64E–.08 17–10 2.0L
DDA XII 26 00 48 20.0 38.80N 43.58E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.2km az=12.0.
DDA Event type ke.
ISC XII 26 10 30 15.6–1.1 38.18N–.03 42.46E–.04 10–13 13 0-2
ISK XII 26 10 30 14.7 38.19N 42.48E 6–0 2.6L **¶602329371**
ISCJB XII 26 10 30 15.6–.60 38.18N–.03 42.44E–.05 9–9 2.6L
DDA XII 26 10 30 16.2 38.17N 42.45E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=5.3.
DDA Event type ke.
ISC XII 26 12 21 34.1–1.0 37.34N–.04 37.13E–.03 12–9 16 0-1
DDA XII 26 12 21 33.6 37.31N 37.11E 7 3.0L **¶602329376**
ISK XII 26 12 21 33.9 37.34N 37.14E 8–0 2.0L
ISCJB XII 26 12 21 34.1–.60 37.32N–.05 37.12E–.04 9–7 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 26 15 10 06.1–1.0 38.76N–.04 43.21E–.03 10–10 20 0-1
ISK XII 26 15 10 04.6 38.67N 43.24E 26–0 2.4L **¶602329384**
ISCJB XII 26 15 10 06.2–.66 38.69N–.04 43.21E–.05 20–10 2.4L
DDA XII 26 15 10 06.2 38.74N 43.22E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.5km az=1.8.
DDA Event type ke.
ISC XII 26 23 17 50.3–.99 38.91N–.03 43.54E–.04 10–7 25 0-2
ISK XII 26 23 17 49.3 38.92N 43.56E 2–0 2.3L **¶602329401**
DDA XII 26 23 17 49.8 38.88N 43.52E 7 2.7L
ISCJB XII 26 23 17 50.7–.53 38.93N–.02 43.53E–.05 12–3 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XII 27 04 14 31.8–.87 38.66N–.02 30.66E–.02 11–7 115 0-10
ISCJB XII 27 04 14 31.5–.38 38.70N–.02 30.63E–.02 6–3 **¶602329412**
DDA XII 27 04 14 31.2 38.67N 30.67E 7 3.6L
ISK XII 27 04 14 31.2 38.69N 30.63E 6–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=7.4.
DDA Event type ke.
ISK Event type ke.
ISC XII 27 05 15 04.1–1.1 37.36N–.04 37.14E–.04 7–10 16 0-1
ISK XII 27 05 15 03.5 37.34N 37.12E 9–0 1.7L **¶602329416**
DDA XII 27 05 15 05.0 37.39N 37.12E 7 2.7L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 27 07 59 39.4–.92 38.91N–.02 27.04E–.02 10–7 147 0-8
DDA XII 27 07 59 38.8 38.92N 27.07E 26 3.6L **¶602329423**
ATH XII 27 07 59 39.0 38.89N 27.06E 27–1 3.1L
ISK XII 27 07 59 38.4 38.91N 27.03E 5–0 3.7L
ISCJB XII 27 07 59 39.4–.33 38.91N–.01 27.04E–.02 6–3 3.7L
THE XII 27 07 59 39.8 38.92N 27.07E 7–1 3.1L
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=261.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=171.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=268.0.
DDA XII 27 10 00 37.6 37.32N 31.93E 7 2.2L
¶602985038
DDA Event type ke.
ISC XII 27 13 35 08.3–1.1 38.82N–.05 40.30E–.04 7 12 0-2
ISK XII 27 13 35 08.7 38.80N 40.27E 17–0 2.0L **¶602329438**
ISCJB XII 27 13 35 09.3–.66 38.76N–.05 40.28E–.04 7 2.0L
DDA XII 27 13 35 10.4 38.80N 40.30E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=169.3.
DDA Event type ke.
ISC XII 27 13 41 00.7–1.2 37.82N–.04 36.68E–.04 7–12 16 0-2
ISCJB XII 27 13 41 00.8–.67 37.82N–.04 36.67E–.04 3–9 **¶602329439**
DDA XII 27 13 41 00.4 37.81N 36.67E 7 2.7L
ISK XII 27 13 41 01.4 37.79N 36.74E 8–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.9km az=34.3.
DDA Event type ke.
ISK Event type ke.
ISC XII 27 16 06 02.3–1.0 38.77N–.03 43.51E–.04 16–9 23 0-2
ISK XII 27 16 06 01.7 38.77N 43.52E 18–0 2.5L **¶602329449**
ISCJB XII 27 16 06 02.6–.60 38.76N–.03 43.54E–.05 22–6 2.5L

DDA XII 27 16 06 02.9 38.78N 43.46E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=31.4.
DDA Event type ke.
ISC XII 27 16 30 14.1–.91 39.09N–.03 29.05E–.03 11–6 25 0-2
DDA XII 27 16 30 13.6 39.12N 29.06E 7 2.7L ¶602329451
ISK XII 27 16 30 13.9 39.08N 29.06E 10–0 2.6L
ISCJB XII 27 16 30 14.1–.41 39.07N–.03 29.05E–.03 10–3 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 27 16 55 34.4–.96 38.67N–.03 43.13E–.03 17–8 21 0-1
ISK XII 27 16 55 33.2 38.67N 43.13E 18–2 2.6L ¶602329452
ISCJB XII 27 16 55 34.3–.72 38.65N–.04 43.14E–.05 24–12 2.6L
DDA XII 27 16 55 34.5 38.68N 43.11E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=44.9.
DDA Event type ke.
ISC XII 27 18 18 26.2–1.2 38.68N–.03 43.20E–.03 13–14 20 0-1
ISK XII 27 18 18 25.5 38.65N 43.23E 26–0 2.5L ¶602329454
ISCJB XII 27 18 18 26.9–.72 38.66N–.04 43.21E–.05 22–9 2.5L
DDA XII 27 18 18 26.7 38.71N 43.20E 7 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.1km az=42.6.
DDA Event type ke.
ISC XII 27 21 37 58.1–1.1 37.74N–.03 37.44E–.03 11–10 22 0-2
ISK XII 27 21 37 57.5 37.77N 37.40E 11–0 2.3L ¶602329460
ISCJB XII 27 21 37 58.1–.57 37.75N–.03 37.42E–.03 6–6 2.3L
DDA XII 27 21 37 58.3 37.72N 37.42E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=145.7.
DDA Event type ke.
ISC XII 28 06 53 47.2–.00 38.94N–.03 27.10E–.04 15–9 18 0-1
ISK XII 28 06 53 46.6 38.92N 27.07E 2–0 2.5L ¶602329471
ISCJB XII 28 06 53 47.6–.51 38.91N–.04 27.04E–.04 10–7 2.5L
DDA XII 28 06 53 49.4 39.05N 27.16E 7 2.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.6km az=168.2.
DDA Event type ke.
ISC XII 28 08 07 13.7–1.1 38.67N–.03 43.06E–.03 13–13 22 0-1
ISCJB XII 28 08 07 13.9–.47 38.66N–.03 43.04E–.03 15–4 ¶602329474
DDA XII 28 08 07 13.9 38.66N 43.10E 7 2.8L
ISK XII 28 08 07 13.3 38.68N 43.04E 8–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=1.2.
DDA Event type ke.
ISK Event type ke.
ISC XII 28 09 39 47.6–1.2 37.61N–.04 41.83E–.03 14–11 23 0-2
DDA XII 28 09 39 46.7 37.54N 41.82E 7 2.7L ¶602329481
ISCJB XII 28 09 39 47.8–.96 37.62N–.05 41.80E–.05 12–7 2.7L
ISK XII 28 09 39 47.2 37.63N 41.81E 16–1 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.4km az=17.9.
ISK Event type ke.
ISC XII 28 10 04 14.1–1.3 37.89N–.03 38.98E–.03 2–11 23 0-2
ISK XII 28 10 04 13.6 37.88N 38.95E 15–0 2.1L ¶602329482
ISCJB XII 28 10 04 14.1–.75 37.89N–.03 38.97E–.04 1–7 2.1L
DDA XII 28 10 04 14.0 37.95N 38.98E 7 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=162.7.
DDA Event type ke.
ISC XII 28 12 04 10.6–.97 37.70N–.04 37.42E–.04 9 13 0-2
ISCJB XII 28 12 04 10.5–.60 37.69N–.03 37.42E–.06 9 ¶602329489
DDA XII 28 12 04 10.1 37.72N 37.44E 7 2.6L
ISK XII 28 12 04 10.4 37.68N 37.39E 6–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=13.1.
DDA Event type ke.
ISK Event type ke.
ISC XII 28 14 08 40.1–1.1 38.69N–.03 31.95E–.03 9–13 25 0-1
ISCJB XII 28 14 08 39.6–.46 38.69N–.03 31.94E–.04 7–5 ¶602329500
DDA XII 28 14 08 40.0 38.68N 31.96E 7 2.5L
ISK XII 28 14 08 39.5 38.68N 31.96E 7–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=149.8.
DDA Event type ke.
ISK Event type ke.
ISC XII 28 16 38 21.7–.99 37.51N–.03 38.84E–.03 8–8 20 0-2
DDA XII 28 16 38 21.5 37.51N 38.83E 7 2.6L ¶602329509
ISK XII 28 16 38 21.7 37.51N 38.85E 6–0 1.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 28 18 59 16.5–.99 37.33N–.04 37.12E–.03 9–8 20 0-1
ISK XII 28 18 59 15.9 37.35N 37.13E 10–0 1.8L ¶602329516
ISCJB XII 28 18 59 16.6–.54 37.32N–.03 37.11E–.03 4–5 1.8L
DDA XII 28 18 59 16.7 37.32N 37.15E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=25.4.
DDA Event type ke.
ISC XII 29 04 04 14.7–1.2 37.04N–.03 29.43E–.03 4–11 27 0-2
ISK XII 29 04 04 13.3 37.03N 29.45E 5–0 2.2L ¶602329534
DDA XII 29 04 04 14.6 37.05N 29.39E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 29 05 17 04.3–1.0 38.75N–.03 43.16E–.04 16–9 19 0-2
DDA XII 29 05 17 03.8 38.75N 43.16E 7 2.6L ¶602329537
ISK XII 29 05 17 03.3 38.75N 43.16E 7–0 2.1L
ISCJB XII 29 05 17 04.3–.62 38.73N–.03 43.19E–.05 21–9 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 29 09 29 29.9–1.1 40.58N–.06 34.03E–.03 10–11 16 0-2
ISCJB XII 29 09 29 29.7–.73 40.60N–.06 34.03E–.04 7–7 ¶602329541
DDA XII 29 09 29 29.4 40.59N 34.03E 7 2.5L
ISK XII 29 09 29 32.7 40.39N 34.05E 11–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.9km az=179.8.
DDA Event type ke.
ISK Event type ke.
ISC XII 29 12 05 34.1–1.4 37.93N–.03 34.45E–.04 5–12 20 0-2
ISK XII 29 12 05 33.7 37.91N 34.43E 6–0 2.5L ¶602329546
ISCJB XII 29 12 05 34.6–.71 37.95N–.03 34.47E–.05 5–7 2.5L
DDA XII 29 12 05 34.6 37.94N 34.48E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=163.6.
DDA Event type ke.
ISC XII 29 14 31 19.4–2.0 38.76N–.08 35.74E–.06 4–17 12 0-2
¶607290813

ISC Event type ke.
ISC XII 30 09 11 17.0–.80 37.49N–.02 35.77E–.02 12–5 3.9b 109 0-78
IDC XII 30 09 11 15.0–1.0 37.44N 35.62E 0 3.8,3.8L ¶602329580
ISCJB XII 30 09 11 16.0–.43 37.45N–.02 35.72E–.02 8–3 3.7b,3.8L
NEIC XII 30 09 11 15.0–.00 37.51N 35.72E 7 4.2b,4.0L
DDA XII 30 09 11 15.5 37.49N 35.70E 24 3.9L,4.0L
ISK XII 30 09 11 16.1 37.47N 35.75E 11–0 3.9L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=14.4km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=141.1.
NEIC Event type se. After ISK.
DDA Event type ke.
ISK Event type ke.
ISC XII 30 11 58 11.9–1.1 39.20N–.04 39.01E–.03 14–11 18 0-1
ISK XII 30 11 58 11.5 39.18N 39.03E 19–0 2.2L ¶602329585
ISCJB XII 30 11 58 12.5–.51 39.17N–.04 39.02E–.04 23–8 2.2L
DDA XII 30 11 58 12.6 39.25N 38.99E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=5.0.
DDA Event type ke.
ISC XII 30 14 35 15.2–1.3 38.76N–.03 30.18E–.04 7–12 20 0-2
ISK XII 30 14 35 14.8 38.73N 30.19E 8–0 2.0L ¶602329592
DDA XII 30 14 35 15.9 38.80N 30.25E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 30 20 53 55.7–.91 37.48N–.03 35.72E–.03 12–7 27 0-2
DDA XII 30 20 53 55.6 37.52N 35.69E 7 2.5L ¶602329607
ISCJB XII 30 20 53 56.1–.57 37.46N–.03 35.72E–.03 7–4 2.5L
ISK XII 30 20 53 56.2 37.43N 35.80E 11–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=166.2.
ISK Event type ke.
ISC XII 31 06 27 43.0–.96 37.48N–.02 35.58E–.02 13–8 63 0-4
ISCJB XII 31 06 27 42.7–.51 37.44N–.03 35.56E–.02 4–4 ¶602329636
ISK XII 31 06 27 42.4 37.46N 35.55E 10–0 3.4L
DDA XII 31 06 27 43.0 37.48N 35.61E 19 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=166.4.
ISK Event type ke.
DDA Event type ke.
ISC XII 31 12 51 37.4–1.1 37.85N–.02 43.21E–.03 12–10 41 0-5
ISCJB XII 31 12 51 36.9–.48 37.80N–.02 43.25E–.03 8–5 ¶602213944
ISK XII 31 12 51 37.4 37.86N 43.18E 10–0 3.2L
ISN XII 31 12 51 37.8–1.3 37.62N 43.17E 0–5 3.1L
DDA XII 31 12 51 37.5 37.85N 43.26E 7 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=174.6.
ISK Event type ke.
ISN Error ellipse: s-maj=7.2km s-min=8.9km az=-1.0.
DDA Event type ke.
ISC XII 31 20 14 46.5–.83 40.59N–.02 29.02E–.02 15–5 67 0-2
ISCJB XII 31 20 14 46.3–.32 40.62N–.02 29.02E–.02 6–3 ¶602329668
ISK XII 31 20 14 46.2 40.61N 29.03E 9–0 2.5L
DDA XII 31 20 14 47.1 40.54N 29.08E 14 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=173.0.
ISK Event type ke.
DDA Event type ke.

(367) Turkey-Georgia-Armenia border region.

ISC VII 01 08 08 49.5–1.1 41.16N–.03 43.85E–.03 7–10 35 0-2
DDA VII 01 08 08 49.0 41.16N 43.85E 7 2.8L ¶602952268
TIF VII 01 08 08 49.6 41.24N 43.84E 17–2 2.8L
CSEM VII 01 08 08 49.4–.14 41.17N 43.85E 2 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=141.0.
ISC VII 05 03 14 17.2–.89 40.85N–.02 43.55E–.02 14–7 68 0-2
DDA VII 05 03 14 16.9 40.85N 43.53E 7 2.7L ¶601830596
ISCJB VII 05 03 14 17.5–.47 40.83N–.02 43.50E–.04 8–4 2.7L
CSEM VII 05 03 14 17.3–.18 40.83N 43.50E 10 2.7L
TIF VII 05 03 14 17.4 40.87N 43.48E 28–0 2.7L
ISK VII 05 03 14 17.3 40.87N 43.46E 24–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=17.9.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=131.0.
ISK Event type ke.
ISC VII 07 02 57 02.6–.97 41.33N–.03 43.91E–.02 11–8 42 0-2
ISCJB VII 07 02 57 02.7–.61 41.31N–.04 43.91E–.03 4–5 ¶602952280
CSEM VII 07 02 57 02.8–.11 41.30N 43.90E 5 1.6L
DDA VII 07 02 57 02.1 41.34N 43.86E 7 2.5L
TIF VII 07 02 57 02.3 41.36N 43.91E 15–2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=156.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=149.0.
ISC VII 10 16 48 24.9–1.1 41.69N–.04 43.34E–.03 14–9 30 0-2
DDA VII 10 16 48 23.9 41.73N 43.35E 7 2.5L ¶602952287
ISCJB VII 10 16 48 24.7–.86 41.69N–.04 43.27E–.05 9–7 2.5L
CSEM VII 10 16 48 24.6–.22 41.69N 43.33E 10 1.8L
TIF VII 10 16 48 24.3 41.73N 43.38E 7–3 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.2km az=147.3.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=118.0.
ISC VII 13 21 56 14.5–2.4 41.55N–.07 42.23E–.04 15–27 24 0-1
ISCJB VII 13 21 56 15.4–.78 41.54N–.06 42.22E–.06 12–6 ¶602994821
DDA VII 13 21 56 15.3 41.54N 42.22E 7 2.6L
CSEM VII 13 21 56 15.3 41.54N 42.22E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.4km az=142.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 16 11 06 24.9–1.9 40.31N–.05 44.70E–.07 10–12 30 1-2
CSEM VII 16 11 06 24.6–.74 40.31N 44.71E 2 2.0L ¶602952299
DDA VII 16 11 06 25.9 40.34N 44.63E 7 2.8L
ISCJB VII 16 11 06 26.0–1.6 40.29N–.06 44.7E–.10 19–16 2.8L
TIF VII 16 11 06 26.1 40.43N 44.86E 21–5 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=6.0km az=151.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=9.7km az=171.3.
ISC VII 23 09 41 46.5–.89 41.01N–.02 43.86E–.02 17–7 69 0-2
DDA VII 23 09 41 45.6 41.02N 43.88E 7 3.0L ¶601879997
ATA VII 23 09 41 45.2–2.3 41.01N 43.84E 18–25 3.1L,2.9W
ISCJB VII 23 09 41 46.4–.66 41.01N–.02 43.88E–.03 3–5 3.1L,2.9W
CSEM VII 23 09 41 46.5–.13 41.02N 43.87E 2 2.5L,2.9W
TIF VII 23 09 41 46.8 41.07N 43.88E 26–1 2.5L,2.9W
ISC Event type ke.
ATA Error ellipse: s-maj=3.8km s-min=5.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=20.3.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=133.0.
ISC VII 26 05 19 55.9–1.0 41.00N–.03 43.85E–.03 11–9 31 0-2
ISCJB VII 26 05 19 55.5–.80 40.99N–.03 43.89E–.04 4–7 ¶602952319
CSEM VII 26 05 19 55.4–.17 40.99N 43.89E 8 2.1L
DDA VII 26 05 19 55.0 41.00N 43.87E 7 2.5L
TIF VII 26 05 19 56.3 41.09N 43.90E 11–3 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=139.1.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=132.0.
ISC VII 29 00 39 18.1–.88 41.40N–.03 43.68E–.02 11–6 44 0-2

DDA	VII	29 00 39 17.8	41.38N	43.68E	7	2.6L		¶602952321
TIF	VII	29 00 39 17.8	41.42N	43.68E	13–0	2.6L		
ISCJB	VII	29 00 39 18.5–.57	41.38N–.03	43.67E–.03	9–4	2.6L		
CSEM	VII	29 00 39 18.0–.09	41.39N	43.68E	5	1.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=159.8.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=157.0.							
ISC	**VII**	**29 01 35 32.5–.86**	**41.40N–.03**	**43.67E–.02**	**10–6**		**50**	**0-2**
TIF	VII	29 01 35 32.0	41.43N	43.70E	10–1			¶602952322
ISCJB	VII	29 01 35 32.6–.54	41.39N–.03	43.67E–.03	7–4			
CSEM	VII	29 01 35 32.3–.12	41.40N	43.67E	5	1.6L		
DDA	VII	29 01 35 34.0	41.34N	43.52E	7	2.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=162.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=155.0.							
ISC	**VII**	**29 16 43 44.8–.89**	**41.39N–.04**	**43.75E–.03**	**13–6**		**36**	**0-2**
DDA	VII	29 16 43 44.0	41.41N	43.77E	7	2.7L		¶602952323
TIF	VII	29 16 43 44.0	41.37N	43.77E	14–2	2.7L		
CSEM	VII	29 16 43 44.7–.19	41.39N	43.75E	5	1.6L		
ISCJB	VII	29 16 43 45.1–.69	41.39N–.04	43.75E–.04	10–4	1.6L		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**02 21 55 50.9–1.1**	**41.95N–.02**	**42.81E–.02**	**8–10**		**57**	**0-3**
TIF	VIII	02 21 55 50.7	42.00N	42.78E	28–0			¶601888466
ISCJB	VIII	02 21 55 50.0–.42	41.99N–.02	42.78E–.03	2–5			
NORS	VIII	02 21 55 51.0–.00	41.95N	42.87E	6–0			
MOS	VIII	02 21 55 52.7–.00	41.99N	42.96E	12–0	2.9		
DDA	VIII	02 21 55 52.8	41.84N	42.78E	7	2.7L		
ISK	VIII	02 21 55 52.4	41.84N	42.73E	16–0	2.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=41.8.							
NORS	Event type se.							
MOS	Event type se.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**VIII**	**05 01 09 08.9–.98**	**40.98N–.03**	**43.81E–.03**	**12–9**		**32**	**0-2**
ISCJB	VIII	05 01 09 08.9–.61	40.97N–.02	43.79E–.03	0–5			¶602952333
DDA	VIII	05 01 09 08.5	40.98N	43.79E	7	2.9L		
TIF	VIII	05 01 09 08.7	40.99N	43.82E	13–1	2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=135.5.							
DDA	Event type ke.							
ISC	**VIII**	**11 01 09 38.9–.92**	**41.38N–.02**	**43.96E–.02**	**12–8**		**64**	**0-3**
DDA	VIII	11 01 09 38.3	41.37N	43.97E	7	3.1L		¶602952344
TIF	VIII	11 01 09 38.2	41.41N	44.00E	14–0	3.1L		
MOS	VIII	11 01 09 39.2–.00	41.45N	43.96E	1–0	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
MOS	Event type se.							
ISC	**VIII**	**11 02 00 14.4–.97**	**41.39N–.04**	**43.97E–.02**	**13–9**		**26**	**0-2**
ISCJB	VIII	11 02 00 14.5–.48	41.39N–.03	43.96E–.03	4–6			¶602952346
TIF	VIII	11 02 00 14.0	41.41N	43.98E	15–1			
DDA	VIII	11 02 00 14.2	41.37N	43.96E	7	2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.2km az=156.1.							
DDA	Event type ke.							
DDA	**VIII**	**15 09 20 01.6**	**41.66N**	**42.12E**	**7**	**2.6L**		¶602995655
DDA	Event type ke.							
ISC	**VIII**	**16 15 24 44.2–1.1**	**41.79N–.04**	**43.02E–.03**	**14–10**		**27**	**0-1**
TIF	VIII	16 15 24 43.9	41.81N	43.00E	14–1			¶602952359
ISCJB	VIII	16 15 24 44.2–.72	41.82N–.03	43.01E–.03	5–5			
DDA	VIII	16 15 24 44.1	41.76N	43.04E	7	2.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=154.3.							
DDA	Event type ke.							
ISC	**VIII**	**16 17 50 38.9–.91**	**41.77N–.02**	**43.41E–.02**	**17–8**		**70**	**0-3**
ISK	VIII	16 17 50 37.4	41.81N	43.39E	9–0	2.4L		¶601889391
DDA	VIII	16 17 50 38.1	41.80N	43.42E	7	3.0L		
TIF	VIII	16 17 50 38.3	41.78N	43.43E	19–0	3.0L		
MOS	VIII	16 17 50 47.3–.00	42.24N	43.57E	10–0	3.2		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	Event type ke.							
MOS	Event type se.							
ISC	**VIII**	**21 01 36 05.0–.91**	**40.83N–.02**	**43.47E–.03**	**15–8**		**31**	**0-2**
DDA	VIII	21 01 36 04.8	40.85N	43.49E	7	2.5L		¶601889909
ISK	VIII	21 01 36 04.7	40.84N	43.53E	12–0	1.9L		
ISCJB	VIII	21 01 36 05.5–.46	40.81N–.02	43.46E–.04	7–4	1.9L		
TIF	VIII	21 01 36 05.3	40.84N	43.44E	23–1	1.9L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=179.0.							
ISC	**VIII**	**23 05 04 28.8–1.0**	**41.78N–.02**	**43.15E–.02**	**11–9**		**48**	**0-3**
TIF	VIII	23 05 04 28.2	41.81N	43.15E	28–2			¶602952367
MOS	VIII	23 05 04 29.1–.00	41.81N	43.18E	0–0	3.1		
DDA	VIII	23 05 04 31.3	41.52N	43.03E	7	2.9L		
ISC	Event type ke.							
MOS	Event type se.							
DDA	Event type ke.							
ISC	**VIII**	**26 20 24 23.4–.92**	**41.33N–.04**	**43.89E–.03**	**13–8**		**25**	**0-2**
TIF	VIII	26 20 24 22.9	41.34N	43.92E	15–1			¶602952373
ISCJB	VIII	26 20 24 23.5–.49	41.32N–.03	43.90E–.03	4–5			
DDA	VIII	26 20 24 23.2	41.32N	43.89E	7	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=154.4.							
DDA	Event type ke.							
ISC	**VIII**	**30 19 45 03.9–1.1**	**41.92N–.02**	**42.21E–.02**	**7–10**		**73**	**1-3**
DDA	VIII	30 19 45 03.2	41.92N	42.25E	7	2.9L		¶601890379
TIF	VIII	30 19 45 03.8	41.92N	42.19E	17–1	2.9L		
ISK	VIII	30 19 45 03.7	41.95N	42.18E	9–0	2.6L		
MOS	VIII	30 19 45 04.8–.00	41.96N	42.21E	5–0	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
MOS	Event type se.							
ISC	**IX**	**04 20 24 14.2–1.3**	**41.71N–.06**	**42.09E–.04**	**11–11**		**21**	**0-2**
DDA	IX	04 20 24 15.0	41.70N	42.07E	7	2.6L		¶602997495
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**IX**	**05 17 31 28.0–.91**	**41.43N–.02**	**43.99E–.02**	**9–7**		**71**	**0-3**
NORS	IX	05 17 31 26.0–.00	41.45N	43.90E	5–0	3.6		¶602077533
ISK	IX	05 17 31 27.4	41.44N	44.01E	6–0	2.4L		
DDA	IX	05 17 31 27.1	41.43N	44.01E	7	3.3L		
TIF	IX	05 17 31 27.6	41.45N	44.03E	11–1	3.3L		
ISC	Event type ke.							
NORS	Event type se.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**IX**	**06 18 31 18.5–1.0**	**40.94N–.03**	**43.92E–.04**	**10**		**22**	**0-2**
DDA	IX	06 18 31 17.9	40.94N	43.90E	7	2.5L		¶602952409
ISCJB	IX	06 18 31 18.3–.56	40.94N–.03	43.92E–.04	10	2.5L		
TIF	IX	06 18 31 18.0	40.97N	43.97E	9–2	2.5L		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=40.5.							
ISC	**IX**	**09 00 51 06.7–1.4**	**41.93N–.04**	**43.35E–.05**	**33–6**		**24**	**1-2**
NORS	IX	09 00 51 05.8–.00	41.90N	43.39E	41–0	3.1		¶602952420
ISCJB	IX	09 00 51 06.1–.84	41.98N–.03	43.28E–.06	15–7	3.1		
TIF	IX	09 00 51 06.1	41.99N	43.40E	25–0	3.1		
ISC	Event type ke.							
NORS	Event type se.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=8.5.							
ISC	**IX**	**17 17 09 17.8–1.0**	**40.53N–.03**	**43.03E–.03**	**10–9**		**27**	**0-2**
ISCJB	IX	17 17 09 18.0–.50	40.50N–.03	43.03E–.03	8–5			¶602078068
ISK	IX	17 17 09 17.5	40.53N	43.06E	10–0	2.1L		
DDA	IX	17 17 09 17.7	40.51N	43.02E	7	2.6		
TIF	IX	17 17 09 18.1	40.54N	43.04E	21–3	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=148.8.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**IX**	**27 10 57 04.3–.92**	**40.05N–.02**	**43.01E–.02**	**9–8**		**64**	**0-3**
DDA	IX	27 10 57 02.9	40.07N	43.07E	7	3.7L		¶602078683
NSSP	IX	27 10 57 02.4	40.00N	42.97E	8	3.5s		
TIF	IX	27 10 57 02.6	40.03N	42.96E	9–2	3.5s		
ISK	IX	27 10 57 03.0	40.05N	43.16E	5–0	3.2L		
AZER	IX	27 10 57 06.8–2.1	40.34N	43.04E	7	3.2L		
ISC	Event type ke.							
DDA	Event type ke.							
ISK	Event type ke.							
AZER	Error ellipse: s-maj=43.7km s-min=20.5km az=21.0.							
ISC	**IX**	**28 00 47 53.9–1.1**	**41.03N–.03**	**43.85E–.03**	**7–10**		**28**	**0-2**
DDA	IX	28 00 47 52.7	41.02N	43.88E	7	2.9L		¶602952504
TIF	IX	28 00 47 53.4	41.04N	43.91E	10–2	2.9L		
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**IX**	**28 16 28 34.0–1.0**	**40.55N–.04**	**43.05E–.04**	**9–7**		**18**	**0-1**
ISK	IX	28 16 28 33.8	40.54N	43.07E	10–0	1.8L		¶602078745
ISCJB	IX	28 16 28 34.8–.62	40.58N–.04	43.04E–.06	6–5	1.8L		
DDA	IX	28 16 28 34.5	40.57N	43.00E	7	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=6.2km az=28.9.							
DDA	Event type ke.							
ISC	**X**	**08 22 35 32.0–1.4**	**41.94N–.05**	**42.17E–.04**	**15–10**		**27**	**1-2**
DDA	X	08 22 35 30.8	41.99N	42.23E	7	2.8L		¶602952543
TIF	X	08 22 35 31.8	41.93N	42.14E	21–2	2.8L		
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**X**	**13 09 46 33.1–1.3**	**41.50N–.07**	**43.33E–.04**	**6–11**		**14**	**0-1**
TIF	X	13 09 46 31.9	41.56N	43.35E	0–1			¶602952561
DDA	X	13 09 46 33.6	41.41N	43.36E	7	2.6L		
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**X**	**16 00 26 07.6–1.0**	**41.06N–.02**	**43.95E–.02**	**8–9**		**74**	**0-3**
MOS	X	16 00 26 07.1–.00	41.22N	43.94E	1–0	2.9		¶602079740
TIF	X	16 00 26 07.9	41.09N	43.99E	15–1	2.9		
ISK	X	16 00 26 07.0	41.05N	43.95E	10–0	2.2L		
DDA	X	16 00 26 09.2	41.01N	43.83E	7	2.7L		
ISC	Event type ke.							
MOS	Event type se.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**X**	**17 09 31 51.6–1.0**	**41.11N–.03**	**43.88E–.02**	**15–9**		**45**	**0-2**
MOS	X	17 09 31 50.6–.00	41.14N	43.94E	7–1	3.1		¶602952585
DDA	X	17 09 31 51.0	41.06N	43.88E	7	2.8L		
TIF	X	17 09 31 51.8	41.15N	43.96E	20–1	2.8L		
ISC	Event type ke.							
MOS	Event type se.							
DDA	Event type ke.							
ISC	**XI**	**03 03 21 32.7–.89**	**41.51N–.03**	**43.50E–.02**	**12–7**		**36**	**0-2**
TIF	XI	03 03 21 32.5	41.52N	43.51E	15–2			¶602952644
NORS	XI	03 03 21 32.6–.00	41.52N	43.52E	30–0	3.0		
DDA	XI	03 03 21 37.8	41.17N	43.22E	7	2.3L		
ISC	Event type ke.							
NORS	Event type se.							
DDA	Event type ke.							
ISC	**XI**	**17 01 02 12.7–1.2**	**41.74N–.04**	**42.84E–.05**	**9–13**		**21**	**1-2**
ISCJB	XI	17 01 02 12.4–.84	41.75N–.04	42.87E–.04	4–7			¶602081725
ISK	XI	17 01 02 12.1	41.72N	42.86E	10–0	2.1L		
DDA	XI	17 01 02 14.5	41.71N	42.79E	7	2.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=161.0.							
ISK	Event type ke.							
DDA	Event type ke.							
ISC	**XI**	**29 17 31 48.1–1.1**	**40.77N–.05**	**44.12E–.06**	**31–13**		**12**	**0-2**
DDA	XI	29 17 31 49.3	40.68N	44.13E	7	2.6L		¶602984160
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**XII**	**11 20 14 52.1–.95**	**41.29N–.03**	**43.92E–.03**	**14–7**		**26**	**0-2**
ISCJB	XII	11 20 14 52.5–.51	41.28N–.03	43.90E–.04	8–4			¶602953208
TIF	XII	11 20 14 52.2	41.32N	43.93E	11–3			
DDA	XII	11 20 14 57.9	41.32N	43.90E	5	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=139.4.							
DDA	Event type ke.							
ISC	**XII**	**12 16 13 38.2–1.4**	**41.94N–.06**	**41.19E–.05**	**22–14**		**21**	**1-2**
ISCJB	XII	12 16 13 36.9–1.2	41.96N–.05	41.09E–.05	9–6			¶602330563
ISK	XII	12 16 13 36.9	41.95N	41.13E	14–0	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=170.2.							
ISK	Event type ke.							
ISC	**XII**	**16 03 25 21.3–1.2**	**41.08N–.04**	**42.76E–.03**	**10–15**		**20**	**0-2**
ISCJB	XII	16 03 25 21.3–.76	41.06N–.05	42.77E–.05	10–9			¶602330729
DDA	XII	16 03 25 21.2	41.02N	42.76E	7	2.5L		
ISK	XII	16 03 25 21.3	41.16N	42.74E	5–0	2.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=21.4.							
DDA	Event type ke.							
ISK	Event type ke.							
ISC	**XII**	**17 15 14 08.8–1.2**	**40.95N–.05**	**43.06E–.04**	**17–11**		**17**	**1-2**
ISCJB	XII	17 15 14 08.8–.89	40.93N–.05	43.07E–.04	6–7			¶602953990
TIF	XII	17 15 14 09.1	40.99N	43.05E	25–4			
DDA	XII	17 15 14 09.1	40.95N	43.06E	7	2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=161.1.							
DDA	Event type ke.							
ISC	**XII**	**18 10 43 15.7–1.0**	**41.38N–.02**	**43.86E–.02**	**3–8**		**112**	**0-72**
ISK	XII	18 10 43 14.3	41.41N	43.85E	5–0	3.5L		¶602328978
MOS	XII	18 10 43 15.7–1.6	41.27N	43.69E	10	3.7b		
DDA	XII	18 10 43 15.3	41.37N	43.86E	6	3.4L		
TIF	XII	18 10 43 15.3	41.39N	43.88E	13–1	3.4L		
NSSP	XII	18 10 43 15.1	41.33N	43.87E	10	3.0s		
NORS	XII	18 10 43 17.5–.00	41.44N	43.77E	1–0	4.0		
ISC	Event type ke.							
ISK	Event type ke.							
MOS	Error ellipse: s-maj=12.1km s-min=5.7km az=83.8.							
DDA	Event type ke.							
NORS	Event type se.							

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ATH	**VII**	**10 02 46 24.1**	**36.01N**	**21.84E**	**23–2**	**1.3L**		
CSEM	VII	10 02 46 24.1	36.01N	21.84E	23	1.3L		¶603225199
ATH	Event type ke. Error ellipse: s-maj=4.5km s-min=1.9km az=39.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.							
THE	**VII**	**11 11 29 51.1**	**37.98N**	**21.70E**	**19–1**	**1.4L**		
CSEM	VII	11 11 29 50.3–.22	37.93N	21.69E	20	1.4L		¶602027572
ATH	VII	11 11 29 50.5	37.94N	21.70E	21–3	1.6L		
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=217.0.							

CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=9.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.1km az=201.0.
ISC VII 12 11 32 57.3–.97 36.43N–.03 22.13E–.03 31–7 3.7b 128 0-46
IDC VII 12 11 32 55.8–3.9 36.98N 22.65E 0 3.7b,3.6 **¶601664481**
ISCJB VII 12 11 32 57.6–.65 36.39N–.03 22.12E–.04 23–4 3.6b,3.6
CSEM VII 12 11 32 57.5–.19 36.41N 22.14E 15 3.2L,3.6
THE VII 12 11 32 57.1 36.39N 22.08E 11–1 3.2L,3.6
ATH VII 12 11 32 57.3 36.43N 22.16E 29–1 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=81.1km s-min=23.2km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=42.2.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.1km az=39.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=46.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=40.0.
ATH VII 14 20 03 08.2 37.87N 21.09E 28–1 1.4L
CSEM VII 14 20 03 08.2 37.87N 21.09E 28 1.4L **¶603225512**
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=315.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VII 19 13 35 27.1 37.83N 21.26E 31–0 1.8L
CSEM VII 19 13 35 27.9–.11 37.83N 21.27E 22–1 1.8L **¶603225715**
THE VII 19 13 35 28.2 37.82N 21.25E 18–1 1.8L
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=224.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=40.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=128.0.
ATH VII 22 09 26 08.6 37.16N 22.04E 21–5 1.2L
CSEM VII 22 09 26 08.6 37.16N 22.04E 21 1.2L **¶603225860**
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.0km az=252.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ATH VIII 02 12 01 05.6 37.29N 23.42E 19–5 1.1L
¶603226344
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=2.1km az=298.0.
ISC VIII 02 22 47 56.1–.81 37.09N–.04 23.85E–.03 142–6 3.6b 185 0-44
IDC VIII 02 22 47 54.9–3.9 37.17N 23.99E 102–62 3.9L,3.7 **¶601734745**
ISCJB VIII 02 22 47 56.1–.28 37.08N–.03 23.83E–.03 140–3 3.6b,3.7
ATH VIII 02 22 47 57.4 37.02N 23.88E 127–2 3.2L,3.7
BEO VIII 02 22 47 58.4–1.0 37.39N 23.76E 0 3.5L,3.7
THE VIII 02 22 47 59.0 37.03N 23.90E 118–1 3.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=21.5km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=36.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=160.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=325.0.
ISC VIII 20 16 54 41.8–1.3 36.68N–.05 21.30E–.05 35–3 3.5b 86 0-69
THE VIII 20 16 54 43.1 36.67N 21.37E 9–1 3.1L **¶603226988**
ATH VIII 20 16 54 43.1 36.71N 21.41E 30–0 3.1L
IDC VIII 20 16 54 45.5–3.1 36.71N 21.45E 66–31 3.6,3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=44.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=43.0.
IDC Error ellipse: s-maj=24.9km s-min=21.3km az=32.0.
ISC VIII 20 17 04 01.1–2.3 36.60N–.07 21.31E–.08 16–9 50 0-3
THE VIII 20 17 04 02.9 36.64N 21.35E 6–1 2.5L **¶602028582**
ATH VIII 20 17 04 03.5 36.70N 21.46E 30–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=53.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.3km az=58.0.
ATH VIII 21 21 38 59.9 37.78N 21.89E 21–3 1.4L
THE VIII 21 21 39 00.6 37.78N 21.89E 13–1 1.4L **¶602028611**
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.7km az=292.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=354.0.
ISC VIII 24 03 09 57.3–1.0 36.34N–.03 21.75E–.03 11–6 4.0b,3.2s 183 1-80
IDC VIII 24 03 09 55.2–.77 36.30N 21.93E 0 4.0,4.0b **¶601615614**
ATH VIII 24 03 09 56.2 36.30N 21.66E 12–2 3.8L,4.0b
NEIC VIII 24 03 09 57.2–.48 36.35N 21.83E 10 4.1L,4.1b
MOS VIII 24 03 09 58.0–1.3 36.29N 21.81E 25 4.2b,4.1b
THE VIII 24 03 09 58.2 36.36N 21.81E 0–1 3.7L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.1km az=160.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=51.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.2km az=2.0.
MOS Error ellipse: s-maj=9.8km s-min=5.7km az=64.6.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=206.0.
ISC VIII 24 04 01 21.3–1.2 36.38N–.03 21.84E–.04 12–8 3.7b 67 0-46
ATH VIII 24 04 01 20.4 36.34N 21.76E 16–1 3.3L **¶601766381**
THE VIII 24 04 01 21.6 36.37N 21.80E 0–2 3.2L
IDC VIII 24 04 01 25.3–2.1 36.50N 21.82E 48–26 3.5,3.3b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=50.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.6km az=230.0.
IDC Error ellipse: s-maj=30.5km s-min=18.2km az=164.0.
ISC VIII 24 05 29 53.1–1.1 36.38N–.04 21.81E–.03 17–7 3.6b 96 0-46
ATH VIII 24 05 29 52.0 36.33N 21.76E 5–1 3.4L **¶601766386**
THE VIII 24 05 29 53.4 36.38N 21.85E 0–1 3.2L
IDC VIII 24 05 29 57.7–1.9 36.24N 21.80E 72–22 3.7,3.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=218.0.
IDC Error ellipse: s-maj=22.3km s-min=13.1km az=171.0.
ISC VIII 24 05 44 44.1–1.2 36.96N–.02 23.21E–.03 84–6 187 0-9
ISCJB VIII 24 05 44 44.3–.29 36.98N–.02 23.23E–.02 83–3 **¶602028655**
ATH VIII 24 05 44 44.1 36.98N 23.24E 81–1 3.5L
THE VIII 24 05 44 45.4 36.96N 23.25E 71–1 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=40.3.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=211.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=223.0.
ISC VIII 25 00 43 00.5–.60 36.63N–.02 22.90E–.02 17–3 3.9b 217 0-120
IDC VIII 25 00 42 58.3–.68 36.66N 23.04E 0 4.0,3.9b **¶601625876**
NEIC VIII 25 00 42 59.8–.00 36.63N 22.91E 20 4.0b,3.8L
ATH VIII 25 00 42 59.8 36.63N 22.91E 20–0 3.7L,3.8L
ISCJB VIII 25 00 43 00.5–.29 36.59N–.02 22.84E–.02 23–2 3.9b,2.4s
THE VIII 25 00 43 00.6 36.61N 22.86E 7–0 3.6L,2.4s
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=12.2km az=27.0.
NEIC Event type se. After ATH.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=228.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=39.3.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=234.0.
ISC VIII 28 02 56 32.8–.68 37.85N–.02 21.43E–.02 21–1 3.5b 130 0-45
ISCJB VIII 28 02 56 32.9–.26 37.83N–.02 21.41E–.02 19–3 3.3b **¶601755494**
THE VIII 28 02 56 32.7 37.84N 21.45E 21–0 2.9L
ATH VIII 28 02 56 32.3 37.83N 21.43E 19–1 2.9L
IDC VIII 28 02 56 38.1–3.2 37.84N 21.52E 77–39 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=136.2.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=53.0.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=322.0.
IDC Error ellipse: s-maj=25.6km s-min=21.0km az=93.0.
ISC VIII 28 03 57 41.5–.78 37.85N–.02 21.43E–.02 23–5 3.5b 112 0-45
THE VIII 28 03 57 40.9 37.84N 21.45E 24–0 3.2L **¶601755496**
ATH VIII 28 03 57 40.6 37.84N 21.43E 22–1 3.2L
ISCJB VIII 28 03 57 41.1–.27 37.85N–.02 21.41E–.02 26–2 3.4b
IDC VIII 28 03 57 46.1–3.0 37.79N 21.45E 65–36 3.5,3.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=22.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=320.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=148.5.
IDC Error ellipse: s-maj=21.8km s-min=19.6km az=165.0.
ATH VIII 29 22 29 28.8 36.74N 22.10E 22–4 1.3L
¶603227290

ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.4km az=174.0.
ATH IX 01 01 31 29.4 36.52N 21.47E 28–1 1.3L
¶603908708
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=53.0. Analyst: McAris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 07 01 37 01.3–1.3 36.26N–.05 21.79E–.04 32–10 3.8b 116 1-46
IDC IX 07 01 37 00.2–16 36.64N 22.36E 0 3.8,3.8b **¶601863083**
ATH IX 07 01 37 02.5 36.29N 21.97E 32–1 3.3L,3.8b
THE IX 07 01 37 04.0 36.32N 21.96E 14–1 3.3L,3.8b
BEO IX 07 01 37 12.6–1.2 37.25N 22.03E 0 3.2L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=329.0km s-min=33.0km az=31.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=36.0. Analyst: Ch. Ventouzi ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=42.0.
BEO Event type ke.
ATH IX 08 03 21 15.7 37.60N 23.42E 21–3 1.1L
¶603908971
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=162.0. Analyst: F.Halaris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 09 06 58 25.3–1.0 37.84N–.03 21.18E–.03 18–3 46 0-3
ISCJB IX 09 06 58 25.9–.64 37.83N–.03 21.15E–.04 13–4 **¶603909024**
ATH IX 09 06 58 25.4 37.84N 21.16E 10–2 2.5L
THE IX 09 06 58 25.2 37.81N 21.18E 20–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=143.5.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=231.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=12.0.
ISC IX 09 07 26 06.1–.45 36.85N–.03 24.46E–.03 125–4 4.3b 633 0-119
CNRM IX 09 07 25 55.3 38.14N 24.93E 15 4.8L **¶601696962**
PDG IX 09 07 26 04.3–.17 36.78N 24.14E 122–7 4.6L
HLW IX 09 07 26 04.5 36.73N 24.94E 18–25 4.9L,4.7
ISCJB IX 09 07 26 05.7–.12 36.83N–.01 24.50E–.02 133–1 4.3b,4.7
NEIC IX 09 07 26 06.8–.26 36.87N 24.51E 125 4.3b,4.2L
MOS IX 09 07 26 06.8–1.0 36.88N 24.58E 137 4.4b,4.2L
ATH IX 09 07 26 06.6 36.82N 24.46E 127–2 4.2L,4.2L
IDC IX 09 07 26 07.2–.70 36.95N 24.54E 129–6 4.3,4.0
THE IX 09 07 26 08.4 36.83N 24.42E 121–1 4.2L,4.0
GII IX 09 07 26 12.1–.00 36.11N 25.33E 1–0 4.3b,4.1
BEO IX 09 07 26 12.1–3.0 37.07N 24.11E 57–1 4.2L,4.1
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=138.2.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=202.0.
MOS Error ellipse: s-maj=5.7km s-min=2.7km az=104.3.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=234.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=10.8km s-min=9.0km az=139.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=120.0.
GII Event type ke.
BEO Event type ke.
ISC IX 11 22 32 24.2–1.1 36.60N–.04 21.35E–.04 35–4 4.0b,3.6s 213 0-99
ATH IX 11 22 32 21.4 36.53N 21.27E 20–1 3.7L,3.6s **¶601707462**
BEO IX 11 22 32 22.3–1.0 36.54N 20.98E 10 3.8L,3.6s
THE IX 11 22 32 22.5 36.59N 21.27E 0–1 3.7L,3.6s
IDC IX 11 22 32 25.8–1.1 36.60N 21.35E 50–13 3.8,3.7b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.2km az=50.0. Analyst: McAris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=233.0.
IDC Error ellipse: s-maj=17.3km s-min=9.2km az=14.0.
ISC IX 12 05 00 24.2–.69 36.90N–.02 24.21E–.01 16–4 4.2b 429 0-119
PDG IX 12 05 00 23.8–.42 36.91N 24.22E 18–0 4.2L **¶601707473**
NEIC IX 12 05 00 23.4–.56 36.83N 24.22E 12–4 4.3L,4.1b
ISK IX 12 05 00 23.5 36.96N 24.27E 12–0 3.9L,4.1b
ATH IX 12 05 00 23.6 36.92N 24.23E 23–0 4.2L,4.1b
MOS IX 12 05 00 24.8–1.0 36.89N 24.23E 33 4.1b,4.1b
ISCJB IX 12 05 00 24.6–.31 36.95N–.01 24.22E–.01 26–2 4.3b,3.6s
THE IX 12 05 00 24.0 36.92N 24.21E 7–1 4.3L,3.6s
IDC IX 12 05 00 24.4–1.9 36.78N 24.26E 26–14 4.0,4.0
DDA IX 12 05 01 24.0 37.00N 24.26E 22 3.9L,4.0
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=205.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=64.0. Analyst: F.Halaris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=94.6.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=39.2.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=40.0.
IDC Error ellipse: s-maj=12.2km s-min=10.6km az=64.0.
DDA Event type ke.
ATH IX 12 19 35 36.2 37.17N 22.90E 32–2 0.9L
¶603909159
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=110.0. Analyst: g.panopoulou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 22 12 03 05.9–1.5 36.34N–.05 21.79E–.04 6–9 3.7b 81 0-46
ATH IX 22 12 03 05.1 36.30N 21.75E 6–1 3.1L **¶601863991**
THE IX 22 12 03 06.5 36.37N 21.81E 0–4 3.0L
IDC IX 22 12 03 16.4–40 37.46N 23.27E 0 3.6,3.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=43.0. Analyst: g.panopoulou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.1km az=216.0.
IDC Error ellipse: s-maj=764.4km s-min=60.3km az=39.0.
ATH IX 24 00 39 10.6 37.68N 21.28E 29–4 1.0L
¶603909853
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.2km az=47.0. Analyst: F.Halaris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ATH IX 29 20 30 42.1 36.95N 22.57E 23–9 0.9L
¶603910224
ATH Event type ke. Error ellipse: s-maj=9.8km s-min=1.5km az=194.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 02 20 49 17.3–1.5 36.20N–.07 21.91E–.07 11 34 1-5
ISCJB X 02 20 49 17.4–.95 36.13N–.06 21.88E–.08 11 **¶606767955**
ATH X 02 20 49 18.4 36.18N 21.94E 29–2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.9km az=137.1.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.6km az=41.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 03 02 39 58.8–1.1 36.56N–.04 21.46E–.04 33–5 3.6b 106 0-46
IDC X 03 02 39 54.5–1.3 36.63N 21.77E 0 3.7,3.6 **¶601996880**
ISCJB X 03 02 39 58.0–.78 36.46N–.03 21.48E–.04 24–5 3.6b,3.6
ATH X 03 02 39 58.0 36.50N 21.48E 24–2 3.2L,3.6
THE X 03 02 40 00.0 36.53N 21.59E 16–0 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=47.9km s-min=23.9km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=43.1.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.3km az=53.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=49.0.
ATH X 05 04 12 49.2 37.00N 24.67E 15–7 1.4L
¶603910526
ATH Event type ke. Error ellipse: s-maj=7.3km s-min=1.3km az=217.0. Analyst: Daskalaki ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ATH X 15 23 48 10.3 36.86N 22.88E 16–3 1.3L
¶603911133
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=152.0. Analyst: g.panopoulou ML
Amplitudes are expressed in micrometres All distances are expressed in km.

ATH X 25 16 53 09.8 37.60N 21.97E 12–5 0.7L
¶603911546
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=0.8km az=277.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH X 29 07 49 31.8 37.48N 22.32E 6–3 1.4L
¶603911673
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=106.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 04 23 09 08.3–1.5 36.21N–.04 21.53E–.04 26–11 3.7b 144 1-46
ATH XI 04 23 09 09.0 36.19N 21.68E 31–1 3.6L **¶602031620**
THE XI 04 23 09 11.1 36.27N 21.70E 13–0 3.5L
IDC XI 04 23 09 16.3–3.9 36.31N 21.86E 96–41 3.4,3.2
DDA XI 04 23 09 43.9 33.60N 26.24E 14 3.2L,3.2
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=48.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=46.0.
IDC Error ellipse: s-maj=33.1km s-min=18.1km az=152.0.
DDA Event type ke.
ISC XI 13 11 00 38.7–.85 37.66N–.02 21.89E–.02 57–5 3.7b 154 0-45
IDC XI 13 11 00 34.5–3.0 38.07N 22.33E 0 3.8,3.7 **¶602389340**
ISCJB XI 13 11 00 38.8–.28 37.67N–.02 21.92E–.03 70–3 3.6b,3.7
ATH XI 13 11 00 39.1 37.68N 21.95E 56–2 3.1L,3.7
THE XI 13 11 00 40.9 37.66N 21.93E 42–2 3.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=68.1km s-min=25.0km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=157.2.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=248.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=236.0.
ATH XI 14 00 03 42.0 37.16N 21.99E 7–3 1.6L
THE XI 14 00 03 42.3 37.14N 22.00E 2–23 1.4L **¶603002626**
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=275.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=23.2km s-min=0.5km az=274.0.
ISC XII 01 02 23 56.7–1.1 36.29N–.03 22.39E–.03 23–9 3.9b 120 0-61
ISCJB XII 01 02 23 55.6–.61 36.20N–.03 22.30E–.03 17–4 3.7b **¶602390262**
ATH XII 01 02 23 55.5 36.27N 22.39E 16–1 3.4L
THE XII 01 02 23 56.0 36.26N 22.39E 0–1 3.3L
IDC XII 01 02 23 58.5–2.8 36.36N 22.38E 36–26 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=35.2.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=35.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=216.0.
IDC Error ellipse: s-maj=20.5km s-min=16.2km az=31.0.
ISC XII 04 18 59 43.6–.61 36.92N–.02 23.07E–.02 20–2 4.9b 814 0-120
BJI XII 04 18 59 40.2 36.90N 23.10E 10 5.1b,5.1s **¶601996051**
HLW XII 04 18 59 40.5 37.09N 23.36E 10–30 4.8L,4.7
IDC XII 04 18 59 40.3–.42 36.94N 23.18E 0 4.5,4.4
MOS XII 04 18 59 41.6–1.1 36.93N 23.15E 15 4.9b,4.4
ATH XII 04 18 59 42.5 36.92N 23.08E 25–0 4.3L,4.4
THE XII 04 18 59 43.3 36.93N 23.07E 7–0 4.3L,4.4
NEIC XII 04 18 59 43.3–.00 36.93N 23.07E 7 4.9b,4.3L
PDG XII 04 18 59 43.0–.62 36.95N 23.12E 13–1 4.4L,4.3L
BEO XII 04 18 59 44.3–1.3 36.88N 23.36E 15 4.4L,4.3L
ISCJB XII 04 18 59 44.8–.18 36.94N–.01 23.07E–.01 42–1 4.8b,3.6s
DDA XII 04 19 00 01.9 37.55N 24.84E 17 3.9L,3.6s
TIR XII 04 19 00 06.6 37.64N 22.54E 7 4.5,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=10.7km s-min=9.9km az=68.0.
MOS Error ellipse: s-maj=5.5km s-min=3.1km az=86.5.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=227.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=226.0.
NEIC Event type fe. Felt at Vrilissia. After THE.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=40.2.
DDA Event type ke.
ISC XII 05 03 23 34.2–.83 36.93N–.02 23.10E–.02 15–6 3.5b 129 0-78
IDC XII 05 03 23 32.7–.83 37.07N 23.36E 0 3.8,3.7 **¶602390483**
ATH XII 05 03 23 33.8 36.93N 23.08E 25–1 3.2L,3.7
ISCJB XII 05 03 23 34.7–.28 36.90N–.02 23.07E–.02 23–3 3.6b,3.7
THE XII 05 03 23 34.4 36.93N 23.09E 4–0 3.4L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=12.6km az=50.0.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=196.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=160.9.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=239.0.
ISC XII 05 03 27 40.1–.96 36.90N–.02 23.10E–.02 17–6 3.9b 123 0-79
IDC XII 05 03 27 38.3–.73 37.05N 23.30E 0 4.0,3.9 **¶601996066**
ATH XII 05 03 27 39.6 36.92N 23.06E 25–1 3.5L,3.9
ISCJB XII 05 03 27 40.5–.29 36.88N–.02 23.07E–.02 24–2 3.8b,3.9
THE XII 05 03 27 40.5 36.93N 23.07E 2–1 3.6L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=11.7km az=44.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=206.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=30.1.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=108.0.
ISC XII 05 22 55 28.8–.98 37.83N–.02 21.15E–.02 18–2 93 0-4
ATH XII 05 22 55 28.4 37.82N 21.12E 16–1 2.9L **¶603002888**
THE XII 05 22 55 28.6 37.84N 21.15E 21–0 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=314.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=4.0.
ISC XII 06 17 48 16.1–.68 36.91N–.02 23.09E–.02 20–3 5.0b,3.9s 606 0-145
BJI XII 06 17 48 12.6 36.90N 23.10E 13 5.3b,5.0b **¶602000865**
MOS XII 06 17 48 13.2–1.4 36.92N 23.05E 10 5.1b,5.0b
HLW XII 06 17 48 14.8 37.14N 23.44E 35–37 4.5L,5.0b
NEIC XII 06 17 48 15.1–.19 36.93N 23.13E 10 4.7b,4.4W
ATH XII 06 17 48 15.3 36.93N 23.08E 20–1 4.3L,4.4W
THE XII 06 17 48 16.1 36.93N 23.02E 9–1 4.2L,4.4W
ISCJB XII 06 17 48 16.0–.26 36.91N–.01 23.09E–.02 29–2 4.8b,3.7s
BEO XII 06 17 48 16.1–1.3 36.82N 23.10E 10 4.1L,3.7s
IDC XII 06 17 48 17.4–2.9 36.95N 23.17E 28–20 4.4,4.4b
DDA XII 06 17 48 21.6 37.31N 22.61E 36 4.4L,4.4b
ISC Event type fe.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=79.9.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=220.0. Felt at Korythio. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.70 $M_{\theta\theta}$0.06 $M_{\phi\phi}$3.64 $M_{r\theta}$-0.13 $M_{\theta\phi}$-1.86 $M_{\phi r}$1.22 Best double couple: NP1:ϕ_s163.00000°,δ53.00000°,λ-82.00000°. NP2: ϕ_s330.00000°,δ37.00000°,λ-100.00000°. Principal axes: T 4.6000,Plg8.0000°,Azm248.0000° ; N -0.6900,Plg6.0000°,Azm338.0000°; P -3.9100,Plg80.0000°,Azm106.0000° $M_0$4.30000×10^{15}
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=160.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=248.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=44.6.
BEO Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=4.0.
DDA Event type ke.
ISC XII 06 20 23 18.3–1.4 36.08N–.04 21.90E–.04 26–10 3.7b 146 1-69
BEO XII 06 20 23 16.3–1.1 35.93N 21.71E 10 3.8L **¶602390561**
ATH XII 06 20 23 18.3 36.11N 21.97E 21–1 3.6L
THE XII 06 20 23 19.9 36.15N 22.06E 0–1 3.5L
IDC XII 06 20 23 20.8–2.8 36.16N 21.94E 43–27 3.6,3.6
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=41.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=223.0.
IDC Error ellipse: s-maj=36.8km s-min=17.4km az=26.0.
ISC XII 09 01 23 06.2–.89 37.93N–.01 22.64E–.02 15–5 4.4b,3.0s 500 0-120
IDC XII 09 01 23 03.8–.49 37.93N 22.66E 0 4.2,4.2b **¶602032214**
HLW XII 09 01 23 04.6 38.09N 22.79E 33–14 5.4,4.8L
ATH XII 09 01 23 05.7 37.93N 22.59E 24–1 4.1L,4.8L
NEIC XII 09 01 23 06.2–.00 37.93N 22.61E 1 4.5b,4.1L
MOS XII 09 01 23 06.6–1.0 37.96N 22.60E 24 4.5b,4.1L
THE XII 09 01 23 06.2 37.93N 22.61E 1–1 4.1L,4.1L
ISCJB XII 09 01 23 06.9–.24 37.95N–.01 22.59E–.02 26–2 4.4b,3.1s
BEO XII 09 01 23 15.9–.70 38.14N 22.72E 27–5 3.6L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=9.9km az=12.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=212.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After THE. Moment Tensor Solution. s14 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.01 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.17 $M_{\phi r}$0.26 Best double couple: NP1:ϕ_s109.00000° ,δ57.00000°,λ-77.00000°. NP2:ϕ_s266.00000°,δ35.00000°,λ-109.00000°. Principal axes: T 1.2500,Plg11.0000°,Azm189.0000°; N -0.1200,Plg11.0000°,Azm281.0000° ; P -1.1300,Plg74.0000°,Azm55.0000° $M_0$1.20000×10^{15}
MOS Error ellipse: s-maj=6.3km s-min=4.3km az=88.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=187.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=135.3.
BEO Event type ke.
ISC XII 13 06 36 19.9–.84 37.52N–.02 23.35E–.02 9–6 3.8b 163 0-75
IDC XII 13 06 36 18.7–.95 37.61N 23.35E 0 3.8,3.6 **¶602391237**
ISCJB XII 13 06 36 19.7–.43 37.53N–.01 23.37E–.02 11–3 3.6b,3.6
ATH XII 13 06 36 20.0 37.52N 23.33E 12–2 3.5L,3.6
THE XII 13 06 36 20.4 37.53N 23.32E 0–0 3.4L,3.6
BEO XII 13 06 36 21.3–1.1 37.49N 23.42E 15 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=16.9km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=150.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=204.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=234.0.
BEO Event type ke.
ISC XII 20 04 22 08.3–.87 36.94N–.02 23.08E–.02 14–6 3.6b 106 0-78
IDC XII 20 04 22 06.7–1.5 37.09N 23.24E 0 3.7,3.6 **¶602090209**
ATH XII 20 04 22 07.8 36.93N 23.09E 24–1 3.0L,3.6
THE XII 20 04 22 08.6 36.94N 23.07E 5–1 3.0L,3.6
ISCJB XII 20 04 22 09.0–.30 36.91N–.02 23.05E–.03 25–4 3.4b,3.0s
ISC Event type ke.
ATH Event type ke. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISCJB Event type ke.
ISC XII 22 03 40 47.5–1.5 36.05N–.04 21.04E–.04 26–11 3.9b 166 1-76
ATH XII 22 03 40 49.0 36.06N 21.22E 30–1 3.4L **¶602090227**
THE XII 22 03 40 49.8 36.00N 21.03E 32–57 3.4L
IDC XII 22 03 40 49.3–2.7 36.02N 21.16E 35–23 3.8,3.8
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=250.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=57.1km s-min=1.1km az=53.0.
IDC Error ellipse: s-maj=19.5km s-min=13.3km az=13.0.
ISC XII 28 11 08 45.4–.77 37.78N–.03 21.24E–.03 20–2 3.6b 88 0-46
IDC XII 28 11 08 41.7–1.4 37.73N 21.34E 0 3.8,3.7 **¶602380771**
ISCJB XII 28 11 08 45.9–.56 37.76N–.03 21.25E–.03 9–4 3.6b,3.7
ATH XII 28 11 08 45.7 37.78N 21.26E 21–1 2.8L,3.7
THE XII 28 11 08 46.1 37.78N 21.25E 0–1 2.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=24.4km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=135.7.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=246.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=220.0.

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ISC VII 01 08 25 29.4–.84 37.77N–.02 26.77E–.02 12–6 51 0-1
ISCJB VII 01 08 25 29.5–.40 37.78N–.02 26.77E–.04 10–4 **¶601830365**
DDA VII 01 08 25 29.7 37.80N 26.76E 7 2.5L
CSEM VII 01 08 25 29.5–.13 37.75N 26.76E 12 2.2L
ATH VII 01 08 25 29.1 37.76N 26.77E 14–5 2.2L
ISK VII 01 08 25 29.2 37.77N 26.77E 17–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=42.0.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.4km az=92.0.
ISK Event type ke.
ISC VII 04 20 32 46.7–1.6 35.16N–.06 27.77E–.03 6–10 92 1-4
ISK VII 04 20 32 44.3 34.99N 27.73E 10–0 2.8L **¶601830570**
CSEM VII 04 20 32 46.0–.43 35.15N 27.84E 2 2.4L
ATH VII 04 20 32 47.5 35.18N 27.71E 13–4 2.6L
THE VII 04 20 32 48.6 35.28N 27.71E 0–4 2.4L
DDA VII 04 20 33 00.8 35.20N 27.81E 7 2.9L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=5.0km az=166.0.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=1.8km az=327.0.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=1.9km az=163.0.
ISC VII 06 13 02 02.0–.89 37.64N–.02 26.71E–.03 13–6 63 0-2
ISCJB VII 06 13 02 01.7–.60 37.63N–.03 26.69E–.04 3–5 **¶601830702**
DDA VII 06 13 02 01.6 37.64N 26.69E 7 3.0L
CSEM VII 06 13 02 02.0–.21 37.62N 26.68E 5 2.6L
ATH VII 06 13 02 02.0 37.62N 26.70E 12–2 2.6L
ISK VII 06 13 02 02.1 37.68N 26.72E 17–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=153.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=63.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=116.0.
ISK Event type ke.
ISC VII 07 07 51 23.0–.52 36.39N–.03 26.79E–.03 153–5 4.1b 594 0-90
PDG VII 07 07 51 21.2–.27 36.26N 26.06E 10–1 4.4L **¶601243879**
ISCJB VII 07 07 51 22.4–.14 36.39N–.02 26.79E–.01 156–1 4.0b
NEIC VII 07 07 51 22.2–.00 36.44N 26.81E 161 4.1b,3.9L
ATH VII 07 07 51 22.3 36.44N 26.81E 161–2 3.9L,3.9L
IDC VII 07 07 51 23.3–.84 36.53N 26.63E 148–9 4.1,3.7b
CSEM VII 07 07 51 23.1–.07 36.40N 26.81E 153–0 4.1b,3.7b
MOS VII 07 07 51 23.0–1.1 36.37N 26.71E 161 4.1b,3.7b
THE VII 07 07 51 26.2 36.41N 26.77E 166–2 3.9L,3.7b
DDA VII 07 07 51 28.0 36.55N 26.79E 46 4.3L,3.7b
GII VII 07 07 51 27.2–.11 36.06N 27.12E 32 4.3b,4.1
ISK VII 07 07 51 28.3 36.50N 26.89E 103–9 4.0L,4.1
NIC VII 07 07 51 30.7–.10 36.39N 27.64E 110 4.3b,3.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=23.4km s-min=35.3km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=14.2.
NEIC Event type se. After ATH.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=138.0.
IDC Error ellipse: s-maj=15.4km s-min=10.8km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=21.0.
MOS Error ellipse: s-maj=10.5km s-min=5.0km az=109.2.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.7km az=42.0.
DDA Event type ke.
GII Event type ke.
ISK Event type ke.

ISC VII 07 20 56 09.9–.87 36.97N–.03 27.69E–.03 15–9 43 0-1
ISK VII 07 20 56 09.6 36.98N 27.62E 22–0 2.5L ¶601830779
ISCJB VII 07 20 56 10.4–.85 36.97N–.03 27.59E–.07 22–9 2.5L
CSEM VII 07 20 56 10.1–.15 36.97N 27.58E 20 2.5L
DDA VII 07 20 56 10.9 36.98N 27.65E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.4km az=166.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=91.0.
DDA Event type ke.
ISC VII 07 23 54 15.2–1.2 36.41N–.02 28.93E–.02 10–10 127 0-4
ATH VII 07 23 54 15.3 36.39N 28.99E 42–2 2.8L ¶601830783
DDA VII 07 23 54 15.5 36.45N 28.96E 32 3.4L
ISK VII 07 23 54 15.5 36.40N 28.95E 22–0 3.2L
THE VII 07 23 54 16.6 36.40N 28.96E 13–1 2.8L
CSEM VII 07 23 54 16.2–.14 36.40N 28.95E 20 3.4L
ISCJB VII 07 23 54 16.4–.39 36.39N–.03 28.94E–.02 27–3 3.4L
ISC Event type ke.
ATH Event type ke.
DDA Event type ke.
ISK Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 08 23 30 40.1–1.4 37.17N–.03 26.33E–.02 7–12 59 0-2
ATH VII 08 23 30 39.0 37.10N 26.40E 36–4 2.3L ¶601830817
DDA VII 08 23 30 40.0 37.17N 26.28E 7 2.4L
CSEM VII 08 23 30 40.5–.20 37.15N 26.35E 12 2.3L
ISCJB VII 08 23 30 40.6–.58 37.17N–.03 26.33E–.03 5–6 2.3L
ISK VII 08 23 30 40.4 37.17N 26.34E 6–0 2.6L
THE VII 08 23 30 40.0 37.17N 26.34E 0–0 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.7km s-min=1.1km az=146.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=0.3.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=342.0.
ISC VII 09 23 06 57.5–.96 36.40N–.03 28.85E–.02 22–4 85 0-3
ATH VII 09 23 06 56.4 36.41N 28.85E 34–5 2.2L ¶601830878
DDA VII 09 23 06 56.4 36.37N 28.84E 7 2.9L
ISK VII 09 23 06 56.9 36.42N 28.86E 23–0 2.3L
ISCJB VII 09 23 06 57.5–.44 36.37N–.03 28.85E–.03 29–4 2.3L
CSEM VII 09 23 06 57.3–.16 36.38N 28.87E 24–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=1.0km az=177.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=4.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=5.0.
ISC VII 10 02 14 33.5–1.4 36.39N–.03 28.92E–.02 16–11 63 0-2
ATH VII 10 02 14 33.6 36.37N 28.93E 40–2 2.1L ¶601830890
DDA VII 10 02 14 33.8 36.42N 28.92E 7 2.9L
ISK VII 10 02 14 33.8 36.45N 28.93E 22–0 2.4L
ISCJB VII 10 02 14 34.4–.44 36.43N–.04 28.93E–.04 29–4 2.4L
CSEM VII 10 02 14 34.2–.15 36.42N 28.93E 20 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=166.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=15.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=6.0.
ISC VII 11 21 44 16.0–1.1 37.81N–.04 26.82E–.03 16–8 45 0-2
ISCJB VII 11 21 44 15.7–.56 37.79N–.03 26.78E–.04 12–5 ¶601830978
DDA VII 11 21 44 15.9 37.80N 26.80E 7 2.6L
ISK VII 11 21 44 15.6 37.81N 26.79E 15–0 2.4L
CSEM VII 11 21 44 16.1–.18 37.80N 26.80E 19–2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.6km az=144.1.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=49.0.
ISC VII 12 00 13 57.6–1.7 36.52N–.05 26.78E–.04 116–14 52 1-4
ATH VII 12 00 13 56.2 36.51N 26.76E 133–6 2.5L ¶602543825
ISCJB VII 12 00 13 57.3–.96 36.49N–.07 26.77E–.05 120–13 2.5L
CSEM VII 12 00 13 57.9–.33 36.50N 26.76E 115–4 2.5L
DDA VII 12 00 14 24.5 36.49N 26.95E 46 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.6km s-min=2.3km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.2km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=167.0.
ISK VII 12 21 23 42.9 36.27N 28.96E 14–0 2.3L
DDA VII 12 21 23 42.3 36.26N 28.85E 7 2.7L ¶601831054
CSEM VII 12 21 23 43.4–.36 36.25N 28.95E 10 2.3L
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=10.0.
ISC VII 13 00 02 35.9–.81 36.83N–.02 27.45E–.02 13–5 69 0-2
DDA VII 13 00 02 34.0 36.80N 27.34E 7 3.0L ¶601831063
ISCJB VII 13 00 02 35.9–.42 36.84N–.02 27.44E–.03 6–4 3.0L
ATH VII 13 00 02 35.9 36.82N 27.42E 16–6 2.1L
ISK VII 13 00 02 35.7 36.84N 27.44E 6–0 2.3L
CSEM VII 13 00 02 36.0–.14 36.84N 27.44E 5 2.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=138.2.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=1.3km az=211.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=20.0.
ISC VII 13 09 18 42.7–1.1 37.03N–.04 26.67E–.02 28–12 42 1-2
ISK VII 13 09 18 41.9 36.96N 26.63E 18–0 2.5L ¶601831092
CSEM VII 13 09 18 42.9–.13 37.00N 26.66E 20 2.5L
ATH VII 13 09 18 42.9 37.07N 26.61E 26–8 1.9L
ISCJB VII 13 09 18 43.2–.48 37.01N–.04 26.66E–.04 25–7 1.9L
DDA VII 13 09 18 46.8 37.19N 26.98E 7 2.3L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=8.0.
ATH Event type ke. Error ellipse: s-maj=9.1km s-min=1.1km az=319.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=176.5.
ISC VII 15 03 34 05.9–.57 36.60N–.03 27.04E–.03 137–4 3.6b 337 0-42
GII VII 15 03 34 03.3–.44 36.61N 27.00E 122 3.6b ¶601664604
ISCJB VII 15 03 34 05.2–.18 36.54N–.02 27.06E–.02 142–2 3.6b
IDC VII 15 03 34 05.6–.82 36.62N 26.94E 133–12 3.7,3.4
CSEM VII 15 03 34 06.5–.14 36.56N 27.04E 131–2 3.7L,3.4
ATH VII 15 03 34 06.1 36.58N 26.99E 136–2 3.6L,3.4
DDA VII 15 03 34 08.0 36.58N 26.84E 45 3.5L,3.4
ISK VII 15 03 34 07.6 36.64N 26.97E 111–3 3.7L,3.4
NIC VII 15 03 34 08.7–.20 36.95N 27.46E 25 4.3b,3.8L
HLW VII 15 03 34 08.2 36.21N 27.31E 25–15 4.3L,3.9
THE VII 15 03 34 10.5 36.55N 26.99E 103–3 3.4L,3.9
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=179.1.
IDC Error ellipse: s-maj=20.3km s-min=9.7km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=173.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=141.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.7km az=70.0.
ISC VII 15 13 27 38.9–.95 36.45N–.03 28.92E–.02 23–7 90 0-3
ATH VII 15 13 27 38.4 36.42N 28.93E 41–4 2.3L ¶601831187
ISK VII 15 13 27 38.5 36.49N 28.91E 23–0 3.0L
CSEM VII 15 13 27 38.9–.11 36.47N 28.92E 20 3.0L
DDA VII 15 13 27 38.4 36.42N 28.87E 7 2.9L
ISCJB VII 15 13 27 39.3–.41 36.48N–.03 28.91E–.03 28–4 2.9L
THE VII 15 13 27 39.4 36.43N 28.90E 17–3 2.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=1.2km az=178.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=8.9.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.8km az=37.0.
ISC VII 17 08 36 02.7–1.2 37.95N–.06 26.94E–.04 14–7 25 0-1
ISCJB VII 17 08 36 02.2–1.2 37.90N–.07 26.89E–.07 13–8 ¶601831282
CSEM VII 17 08 36 02.6–.53 37.90N 26.93E 5 2.6L
DDA VII 17 08 36 02.7 37.97N 27.00E 8 2.6L
ISK VII 17 08 36 02.9 37.94N 26.92E 4–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.9km az=27.2.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=4.9km az=31.0.
DDA Event type ke.
ISK Event type ke.
ISC VII 18 02 07 28.7–.79 37.75N–.02 26.76E–.02 13–4 121 0-2
ATH VII 18 02 07 28.4 37.73N 26.77E 16–2 2.5L ¶601831316
ISK VII 18 02 07 28.8 37.81N 26.78E 15–0 2.3L
DDA VII 18 02 07 29.1 37.79N 26.76E 13 2.9L
CSEM VII 18 02 07 29.2–.22 37.75N 26.73E 10 2.5L
ISCJB VII 18 02 07 29.0–.42 37.77N–.02 26.75E–.03 6–3 2.5L
THE VII 18 02 07 29.3 37.74N 26.71E 2–3 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=136.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=155.1.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=168.0.
ISC VII 20 01 28 19.9–1.0 36.45N–.03 28.93E–.02 21–2 76 0-3
ATH VII 20 01 28 18.5 36.52N 28.93E 25–4 1.9L ¶601831410
DDA VII 20 01 28 19.6 36.47N 28.90E 7 2.7L
ISK VII 20 01 28 19.3 36.45N 28.91E 18–0 2.3L
ISCJB VII 20 01 28 20.2–.43 36.46N–.03 28.91E–.03 28–4 2.3L
CSEM VII 20 01 28 20.0–.17 36.45N 28.93E 21–1 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=1.2km az=181.0.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=17.8.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=8.0.
ISC VII 20 20 51 49.9–.95 37.91N–.02 26.90E–.03 8–9 49 0-2
DDA VII 20 20 51 48.4 37.85N 26.82E 7 2.6L ¶601831449
CSEM VII 20 20 51 49.9–.11 37.91N 26.90E 2 1.8L
ISK VII 20 20 51 49.3 37.96N 26.89E 25–0 2.2L
ATH VII 20 20 51 49.6 37.90N 26.90E 10–4 1.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=56.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=0.9km az=116.0.
ISC VII 21 12 17 44.3–1.4 35.41N–.05 27.92E–.04 15–9 69 1-3
DDA VII 21 12 17 39.9 35.18N 27.66E 20 3.1L ¶601831475
ISCJB VII 21 12 17 44.8–1.2 35.47N–.06 27.86E–.05 3–7 3.1L
ISK VII 21 12 17 45.4 35.51N 27.88E 10–0 2.9L
CSEM VII 21 12 17 46.1–.39 35.52N 27.84E 10 2.3L
ATH VII 21 12 17 46.1 35.60N 27.74E 20–3 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.7km az=146.3.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=3.9km az=148.0.
ATH Event type ke. Error ellipse: s-maj=11.8km s-min=1.8km az=322.0.
ISC VII 21 18 29 12.2–.97 36.42N–.03 28.93E–.02 23–8 87 0-3
ATH VII 21 18 29 11.7 36.35N 28.91E 44–3 2.3L ¶601831491
ISK VII 21 18 29 11.8 36.44N 28.92E 21–0 2.7L
ISCJB VII 21 18 29 12.7–.42 36.43N–.03 28.92E–.03 26–4 2.7L
CSEM VII 21 18 29 12.4–.16 36.42N 28.95E 24–1 3.2L
DDA VII 21 18 29 31.1 36.46N 28.94E 25 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.3km az=178.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=6.6.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=8.0.
DDA Event type ke.
ISC VII 21 19 38 46.5–1.4 35.22N–.05 27.12E–.04 9–9 90 0-3
ISK VII 21 19 38 45.9 35.21N 27.08E 11–0 2.9L ¶601831493
ISCJB VII 21 19 38 46.0–1.0 35.21N–.05 27.12E–.05 3–6 2.9L
ATH VII 21 19 38 45.9 35.22N 27.13E 11–4 2.7L
CSEM VII 21 19 38 47.2–.29 35.24N 27.08E 10 2.8L
THE VII 21 19 38 48.2 35.30N 27.15E 13–2 2.8L
DDA VII 21 19 39 08.3 35.56N 27.31E 31 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.2km az=148.9.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=1.1km az=330.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=3.1km az=154.0.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=1.5km az=331.0.
DDA Event type ke.
ISC VII 21 20 44 26.3–.58 36.61N–.03 26.99E–.03 150–5 3.9b 431 0-50
GII VII 21 20 44 22.4–.22 36.63N 26.96E 160 3.9b ¶601459477
HLW VII 21 20 44 22.0 36.62N 27.00E 10–18 4.3L
ISCJB VII 21 20 44 25.3–.14 36.62N–.02 27.01E–.02 159–1 4.1b
IDC VII 21 20 44 26.5–1.7 36.60N 26.90E 156–19 3.8,3.4
CSEM VII 21 20 44 26.1–.08 36.63N 27.01E 153–1 3.8L,3.4
ATH VII 21 20 44 26.7 36.63N 26.92E 142–3 3.9L,3.4
NIC VII 21 20 44 28.0–.20 36.33N 27.24E 150 4.4b,3.9L
ISK VII 21 20 44 28.9 36.66N 26.94E 110–3 3.8L,3.9L
NEIC VII 21 20 44 29.3–.00 36.63N 26.97E 160 4.2L,3.9b
THE VII 21 20 44 29.3 36.63N 26.97E 160–3 4.2L,3.9b
DDA VII 21 20 45 13.1 36.32N 26.19E 102 4.2L,3.9b
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=15.5.
IDC Error ellipse: s-maj=16.1km s-min=12.4km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=2.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=138.0.
ISK Event type ke.
NEIC Event type se. After THE.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=63.0.
DDA Event type ke.
ISC VII 21 22 02 39.5–1.5 35.34N–.06 27.91E–.04 19–3 66 1-3
ISK VII 21 22 02 39.3 35.31N 27.95E 10–0 2.7L ¶601831496
ISCJB VII 21 22 02 40.7–1.2 35.36N–.05 27.95E–.06 7–5 2.7L
CSEM VII 21 22 02 41.1–.61 35.39N 27.99E 8 1.8L
DDA VII 21 22 02 42.2 35.53N 27.72E 2 2.6L
ATH VII 21 22 02 45.5 35.80N 27.48E 10–2 1.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.8km az=138.9.
CSEM Event type ke. Error ellipse: s-maj=14.0km s-min=6.3km az=142.0.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.2km az=144.0.
ISC VII 24 08 25 17.5–.95 36.92N–.03 26.67E–.02 17–8 66 0-2
THE VII 24 08 25 17.1 36.87N 26.67E 3–2 2.3L ¶601831621
ATH VII 24 08 25 17.4 36.94N 26.61E 30–1 2.3L
ISCJB VII 24 08 25 18.3–.45 36.91N–.04 26.66E–.03 28–5 2.3L
ISK VII 24 08 25 18.3 37.02N 26.70E 14–0 2.5L
CSEM VII 24 08 25 18.2–.17 36.94N 26.66E 19–0 2.5L
DDA VII 24 08 25 22.1 37.08N 26.94E 7 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.4km az=108.0.

ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=163.6.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=168.0.
ISC VII 24 12 18 42.2–1.0 36.95N–.02 27.63E–.03 18–3 34 0-1
ISCJB VII 24 12 18 42.6–.64 36.98N–.05 27.62E–.06 12–10 **¶601831635**
CSEM VII 24 12 18 42.6–.20 36.98N 27.61E 10 2.7L
DDA VII 24 12 18 42.2 36.97N 27.64E 7 2.7L
ISK VII 24 12 18 42.0 36.95N 27.58E 19–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.5km az=138.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=64.0.
ISK Event type ke.
ISK VII 24 16 01 04.8 37.46N 26.97E 16–2 2.1L
CSEM VII 24 16 01 05.1–.25 37.45N 26.96E 19–0 2.1L **¶601831654**
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=80.0.
ISC VII 26 13 35 39.4–1.8 35.04N–.08 27.29E–.05 12–10 37 1-3
DDA VII 26 13 35 40.0 35.19N 27.07E 11 2.9L **¶602544280**
ATH VII 26 13 35 40.5 35.13N 27.30E 21–2 2.4L
CSEM VII 26 13 35 42.5–.93 35.13N 27.24E 20 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.7km az=325.0.
CSEM Event type ke. Error ellipse: s-maj=24.4km s-min=9.5km az=148.0.
ISK VII 27 04 04 03.1 37.89N 26.98E 5–0 1.6L
CSEM VII 27 04 04 03.1 37.89N 26.98E 5 1.6L **¶601831805**
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 27 09 44 37.6–1.1 36.53N–.04 27.27E–.04 117–7 267 0-9
ISCJB VII 27 09 44 37.4–.28 36.45N–.03 27.28E–.02 125–4 **¶601831817**
ATH VII 27 09 44 38.1 36.58N 27.18E 122–4 3.4L
CSEM VII 27 09 44 38.5–.19 36.51N 27.25E 117–2 3.4L
ISK VII 27 09 44 39.1 36.58N 27.17E 101–1 3.4L
GII VII 27 09 44 40.1–.37 36.25N 27.44E 40 3.5
DDA VII 27 09 44 41.0 36.54N 27.32E 49 3.4L
THE VII 27 09 44 41.1 36.56N 27.18E 116–3 3.3L
HLW VII 27 09 44 47.9 35.59N 27.48E 28–16 4.0L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=171.1.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.5km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=170.0.
ISK Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.7km az=358.0.
ISC VII 28 08 52 41.8–.80 35.12N–.03 27.52E–.02 15–5 4.1b,3.2s 449 1-78
IDC VII 28 08 52 39.1–.75 35.20N 27.37E 0 3.8,3.8 **¶601484413**
NEIC VII 28 08 52 41.2–.00 35.13N 27.55E 17 4.0b,3.8L
CSEM VII 28 08 52 41.5–.14 35.11N 27.55E 10 4.1b,3.8L
MOS VII 28 08 52 41.9–1.5 35.02N 27.42E 33 4.2b,3.8L
ATH VII 28 08 52 41.3 35.13N 27.55E 17–1 3.8L,3.8L
THE VII 28 08 52 43.9 35.23N 27.50E 0–0 3.8L,3.8L
HLW VII 28 08 52 45.1 34.84N 27.71E 17–6 4.2L,3.8
GII VII 28 08 52 45.1–.00 34.86N 27.84E 1 3.4,3.8
DDA VII 28 08 52 54.6 35.27N 27.48E 11 3.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=12.7km az=166.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=23.0.
MOS Error ellipse: s-maj=6.4km s-min=4.3km az=110.1.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=336.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=149.0.
GII Event type ke.
ISC VII 28 13 10 27.9–1.4 35.18N–.06 27.55E–.03 3–12 58 0-4
CSEM VII 28 13 10 29.8–.42 35.15N 27.54E 2 2.6L **¶602028044**
ATH VII 28 13 10 29.9 35.16N 27.48E 14–2 2.7L
THE VII 28 13 10 32.0 35.25N 27.40E 0–2 2.6L
DDA VII 28 13 11 38.4 35.60N 28.04E 16 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=5.0km az=159.0.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.3km az=329.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=186.0.
ISC VII 30 00 31 42.5–.98 37.06N–.02 26.59E–.01 14–8 139 1-4
ATH VII 30 00 31 41.5 37.08N 26.62E 28–1 2.6L **¶601831919**
ISCJB VII 30 00 31 41.8–.51 37.06N–.02 26.58E–.02 7–4 2.6L
DDA VII 30 00 31 41.0 37.05N 26.55E 5 3.2L
THE VII 30 00 31 42.6 37.07N 26.60E 8–2 2.5L
CSEM VII 30 00 31 42.2–.10 37.07N 26.58E 10 2.6L
ISK VII 30 00 31 42.1 37.09N 26.62E 10–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=275.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=10.3.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=9.0.
ISK Event type ke.
ISC VII 30 01 59 15.5–.84 37.85N–.02 26.69E–.02 12–6 115 0-3
ATH VII 30 01 59 14.7 37.80N 26.68E 23–1 2.8L **¶601831921**
DDA VII 30 01 59 15.9 37.90N 26.74E 7 2.7L
CSEM VII 30 01 59 15.2–.13 37.83N 26.68E 8 2.8L
ISCJB VII 30 01 59 15.1–.44 37.86N–.02 26.69E–.03 5–4 2.8L
ISK VII 30 01 59 15.1 37.88N 26.73E 7–0 2.7L
THE VII 30 01 59 15.4 37.83N 26.64E 0–1 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=182.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=142.9.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=226.0.
ISC VII 30 03 06 43.6–1.2 37.89N–.03 26.73E–.03 8–9 45 0-2
DDA VII 30 03 06 43.2 37.88N 26.70E 7 2.5L **¶601831923**
ISK VII 30 03 06 43.6 37.91N 26.76E 6–0 2.2L
CSEM VII 30 03 06 44.0–.21 37.90N 26.74E 2 2.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=51.0.
ISC VII 30 04 31 41.8–.88 37.87N–.02 26.69E–.02 12–7 98 0-3
THE VII 30 04 31 41.9 37.85N 26.67E 0–1 2.5L **¶601831925**
CSEM VII 30 04 31 42.1–.16 37.85N 26.67E 2 2.5L
DDA VII 30 04 31 42.1 37.88N 26.74E 7 2.8L
ISK VII 30 04 31 42.4 37.91N 26.73E 5–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=234.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=63.0.
ISK Event type ke.
ISC VII 30 06 02 00.8–.80 37.87N–.01 26.72E–.02 15–5 153 0-3
CSEM VII 30 06 02 00.5–.12 37.86N 26.69E 5 3.2L **¶603226202**
ISCJB VII 30 06 02 00.5–.43 37.88N–.01 26.71E–.02 1–4 3.2L
ISK VII 30 06 02 00.1 37.88N 26.72E 10–0 3.3L
ATH VII 30 06 02 00.8 37.84N 26.70E 16–7 3.2L
DDA VII 30 06 02 00.1 37.86N 26.70E 9 3.3L
THE VII 30 06 02 01.0 37.87N 26.69E 5–1 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=169.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.6km s-min=1.1km az=99.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=229.0.
ISC VII 30 06 04 51.3–.81 37.87N–.01 26.72E–.02 13–6 120 0-3
ISK VII 30 06 04 50.6 37.87N 26.69E 13–0 2.8L **¶603226204**
ISCJB VII 30 06 04 51.2–.44 37.89N–.02 26.74E–.03 4–4 2.8L
THE VII 30 06 04 51.2 37.88N 26.70E 1–1 2.7L
DDA VII 30 06 04 51.4 37.89N 26.77E 7 2.9L
ATH VII 30 06 04 51.5 37.87N 26.70E 10–1 2.7L
CSEM VII 30 06 04 51.3–.14 37.90N 26.75E 2 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=159.8.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=57.0.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=67.0.
ISC VII 30 06 27 50.1–1.2 37.89N–.04 26.71E–.04 12–8 42 0-2
ISCJB VII 30 06 27 49.6–.82 37.87N–.03 26.69E–.05 4–6 **¶601831928**
ISK VII 30 06 27 49.7 37.90N 26.74E 18–0 2.4L
DDA VII 30 06 27 49.9 37.88N 26.70E 7 2.6L
CSEM VII 30 06 27 50.0–.32 37.88N 26.69E 10 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=155.9.
ISK Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.1km az=59.0.
ISC VII 30 06 35 11.4–.86 37.86N–.01 26.68E–.02 11–6 112 0-3
ISK VII 30 06 35 10.9 37.88N 26.71E 10–0 2.9L **¶601831929**
ISCJB VII 30 06 35 10.9–.46 37.85N–.02 26.69E–.03 2–4 2.9L
DDA VII 30 06 35 11.2 37.87N 26.71E 12 2.9L
CSEM VII 30 06 35 11.0–.17 37.84N 26.67E 5 2.8L
THE VII 30 06 35 11.2 37.86N 26.66E 0–1 2.7L
ATH VII 30 06 35 11.2 37.82N 26.67E 19–2 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=169.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=70.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=40.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=136.0.
ISC VII 30 07 13 55.2–.83 37.85N–.02 26.68E–.02 13–6 115 0-3
ISK VII 30 07 13 53.8 37.87N 26.67E 5–0 3.4L **¶601831931**
CSEM VII 30 07 13 54.8–.14 37.84N 26.67E 5 3.1L
ISCJB VII 30 07 13 54.6–.49 37.84N–.02 26.71E–.03 0–4 3.1L
DDA VII 30 07 13 54.8 37.87N 26.71E 6 3.0L
THE VII 30 07 13 55.1 37.81N 26.61E 1–1 3.2L
ATH VII 30 07 13 55.1 37.82N 26.70E 18–6 3.1L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=157.3.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=144.0.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=1.2km az=97.0.
ISC VII 30 07 19 18.0–.91 37.87N–.01 26.68E–.02 8–7 145 0-3
ISK VII 30 07 19 17.0 37.89N 26.66E 9–0 3.0L **¶601831932**
CSEM VII 30 07 19 17.9–.13 37.88N 26.73E 2 2.9L
ISCJB VII 30 07 19 17.5–.45 37.87N–.01 26.72E–.03 0–4 2.9L
ATH VII 30 07 19 18.0 37.84N 26.66E 8–2 2.9L
DDA VII 30 07 19 17.4 37.86N 26.72E 7 2.9L
THE VII 30 07 19 18.2 37.85N 26.66E 0–1 2.9L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=176.3.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=75.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=207.0.
ISC VII 30 09 18 06.8–.94 37.90N–.02 26.70E–.02 8–8 76 0-2
ATH VII 30 09 18 06.1 37.90N 26.72E 12–3 2.6L **¶601831943**
CSEM VII 30 09 18 06.9–.13 37.88N 26.70E 5 2.6L
DDA VII 30 09 18 06.6 37.91N 26.68E 6 2.7L
ISK VII 30 09 18 06.8 37.91N 26.75E 8–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.2km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=78.0.
ISK Event type ke.
ISC VII 30 09 19 46.2–.84 37.89N–.02 26.74E–.02 14–6 76 0-2
ATH VII 30 09 19 45.1 37.87N 26.77E 23–2 2.6L **¶601831944**
ISCJB VII 30 09 19 46.1–.47 37.87N–.02 26.72E–.03 3–4 2.6L
CSEM VII 30 09 19 46.2–.24 37.86N 26.68E 2 2.6L
ISK VII 30 09 19 46.1 37.90N 26.75E 12–0 2.7L
DDA VII 30 09 19 48.3 37.92N 26.92E 4 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=169.7.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=106.0.
ISK Event type ke.
ISC VII 30 09 44 43.1–.84 37.86N–.02 26.68E–.02 13–6 103 0-3
CSEM VII 30 09 44 42.8–.15 37.86N 26.68E 2 2.6L **¶601831947**
ISCJB VII 30 09 44 42.7–.51 37.86N–.02 26.69E–.03 1–5 2.6L
ATH VII 30 09 44 42.5 37.84N 26.71E 20–1 2.6L
ISK VII 30 09 44 42.4 37.89N 26.73E 4–0 2.6L
DDA VII 30 09 44 43.0 37.90N 26.71E 6 2.8L
THE VII 30 09 44 43.1 37.82N 26.62E 2–2 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=173.3.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=106.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=177.0.
ISC VII 30 11 37 01.5–.88 37.87N–.02 26.69E–.03 14–6 45 0-2
ATH VII 30 11 37 00.8 37.82N 26.72E 25–1 2.4L **¶601831951**
ISK VII 30 11 37 00.8 37.87N 26.66E 2–0 2.6L
ISCJB VII 30 11 37 01.7–.52 37.86N–.03 26.69E–.04 5–5 2.6L
CSEM VII 30 11 37 01.6–.17 37.84N 26.66E 8 2.4L
DDA VII 30 11 37 01.9 37.88N 26.74E 7 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=90.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=57.0.
DDA Event type ke.
ISC VII 30 11 44 45.0–.88 37.86N–.02 26.67E–.02 11–7 73 0-2
ATH VII 30 11 44 44.5 37.82N 26.68E 21–1 2.6L **¶601831952**
ISK VII 30 11 44 44.9 37.90N 26.73E 8–0 2.4L
CSEM VII 30 11 44 45.0–.20 37.84N 26.66E 5 2.6L
THE VII 30 11 44 45.1 37.88N 26.70E 2–3 2.4L
DDA VII 30 11 44 45.6 37.89N 26.76E 7 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=136.0.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=56.0.
THE Event type ke. Error ellipse: s-maj=16.7km s-min=0.5km az=52.0.
DDA Event type ke.
ISC VII 30 13 07 53.2–.80 37.86N–.01 26.71E–.02 16–5 134 0-3
ATH VII 30 13 07 52.1 37.85N 26.76E 27–1 3.1L **¶601831955**
ISCJB VII 30 13 07 52.8–.46 37.85N–.02 26.67E–.02 2–3 3.1L
ISK VII 30 13 07 52.5 37.87N 26.71E 2–0 3.3L
DDA VII 30 13 07 52.4 37.85N 26.70E 19 3.0L
THE VII 30 13 07 53.3 37.83N 26.64E 0–1 3.0L
CSEM VII 30 13 07 53.2–.13 37.83N 26.66E 8 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=153.2.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=229.0.

CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=53.0.
ISC VII 30 13 55 50.6–.86 37.86N–.02 26.71E–.02 14–6 69 0-2
CSEM VII 30 13 55 50.6–.21 37.83N 26.70E 2 2.3L **¶601831957**
THE VII 30 13 55 50.8 37.87N 26.71E 6–2 2.3L
ISK VII 30 13 55 50.4 37.87N 26.74E 8–0 2.4L
DDA VII 30 13 55 51.0 37.90N 26.75E 10 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=71.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.4km az=54.0.
ISK Event type ke.
ISC VII 30 16 23 50.2–1.1 37.86N–.03 26.70E–.03 9–9 55 0-2
ISK VII 30 16 23 49.9 37.89N 26.74E 8–0 2.3L **¶601831963**
CSEM VII 30 16 23 50.1–.34 37.84N 26.69E 5 2.3L
DDA VII 30 16 23 50.4 37.86N 26.72E 7 2.9L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.0km az=57.0.
ISC VII 30 21 09 42.7–.83 37.83N–.01 26.66E–.02 14–6 145 0-3
ISCJB VII 30 21 09 41.9–.43 37.84N–.02 26.66E–.03 2–3 **¶601831976**
DDA VII 30 21 09 41.6 37.85N 26.65E 14 3.2L
CSEM VII 30 21 09 42.3–.11 37.83N 26.67E 5 2.7L
ATH VII 30 21 09 42.2 37.79N 26.66E 22–2 2.7L
ISK VII 30 21 09 42.1 37.87N 26.73E 7–0 3.0L
THE VII 30 21 09 43.0 37.80N 26.62E 2–2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=155.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=59.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=124.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=151.0.
ISC VII 31 08 26 14.5–1.1 36.26N–.02 28.99E–.02 15–9 162 0-6
CSEM VII 31 08 26 14.3–.15 36.21N 29.00E 15 3.0L **¶601498034**
ATH VII 31 08 26 14.3 36.30N 29.00E 36–2 3.1L
NIC VII 31 08 26 14.2–.40 36.37N 29.22E 12 3.5L
THE VII 31 08 26 14.2 36.28N 28.96E 0–0 3.0L
ISK VII 31 08 26 14.2 36.27N 28.93E 11–0 3.8L
ISCJB VII 31 08 26 14.3–.46 36.17N–.03 29.00E–.02 25–4 3.8L
DDA VII 31 08 26 14.1 36.26N 28.94E 7 3.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=4.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=141.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=167.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=10.4.
DDA Event type ke.
ISC VIII 01 06 49 01.5–.95 37.85N–.02 26.70E–.02 14–8 59 0-3
ISK VIII 01 06 49 00.8 37.87N 26.69E 5–0 2.9L **¶601888374**
ATH VIII 01 06 49 02.1 37.83N 26.66E 13–3 2.9L
DDA VIII 01 06 49 02.0 37.88N 26.72E 4 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=98.0.
DDA Event type ke.
ISC VIII 01 09 51 01.2–.96 37.87N–.03 26.68E–.03 14–7 32 0-2
ISK VIII 01 09 51 00.8 37.87N 26.67E 19–0 2.5L **¶601888386**
ISCJB VIII 01 09 51 01.7–.55 37.87N–.03 26.68E–.05 16–7 2.5L
ATH VIII 01 09 51 01.3 37.76N 26.59E 15–3 2.4L
DDA VIII 01 09 51 01.4 37.87N 26.73E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=151.8.
ATH Event type ke. Error ellipse: s-maj=14.0km s-min=1.2km az=37.0.
DDA Event type ke.
ISC VIII 01 18 49 24.2–1.5 37.86N–.07 26.74E–.07 14–11 15 0-1
DDA VIII 01 18 49 23.3 37.82N 26.72E 7 2.5L **¶601888407**
ISCJB VIII 01 18 49 24.3–.95 37.87N–.05 26.72E–.06 13–8 2.5L
ISK VIII 01 18 49 24.7 37.91N 26.72E 12–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.2km az=36.4.
ISK Event type ke.
ISC VIII 02 03 27 09.6–1.3 35.33N–.05 27.79E–.03 14–10 47 1-5
ISK VIII 02 03 27 08.1 35.28N 27.80E 10–0 2.8L **¶601888425**
ISCJB VIII 02 03 27 09.9–.99 35.29N–.04 27.81E–.04 20–9 2.8L
ATH VIII 02 03 27 09.3 35.30N 27.75E 18–3 2.8L
DDA VIII 02 03 27 09.2 35.32N 27.79E 18 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=167.6.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.4km az=332.0.
DDA Event type ke.
ISC VIII 03 01 36 07.4–1.0 37.92N–.03 26.71E–.04 14–9 26 0-2
ISK VIII 03 01 36 06.5 37.94N 26.72E 8–0 2.2L **¶601888477**
DDA VIII 03 01 36 07.7 37.89N 26.72E 7 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 03 01 53 36.7–.93 37.85N–.02 26.70E–.03 13–7 50 0-3
ISCJB VIII 03 01 53 36.5–.51 37.84N–.02 26.69E–.03 1–4 **¶601888478**
ATH VIII 03 01 53 36.6 37.83N 26.69E 19–2 2.4L
DDA VIII 03 01 53 36.6 37.87N 26.70E 13 2.8L
ISK VIII 03 01 53 36.1 37.85N 26.67E 4–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=165.3.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=133.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 03 06 38 21.5–.88 37.86N–.02 26.68E–.02 12–7 73 0-3
ISCJB VIII 03 06 38 20.9–.48 37.84N–.02 26.66E–.03 0–4 **¶601888485**
ATH VIII 03 06 38 21.0 37.84N 26.72E 22–1 2.7L
ISK VIII 03 06 38 20.1 37.86N 26.67E 5–0 2.5L
DDA VIII 03 06 38 21.7 37.88N 26.74E 8 2.9L
THE VIII 03 06 38 21.7 37.85N 26.69E 12–1 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=169.2.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=79.0.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=75.0.
ISC VIII 03 07 26 12.2–.83 37.85N–.02 26.71E–.02 15–6 115 0-3
ISK VIII 03 07 26 10.1 37.83N 26.66E 2–0 3.4L **¶601888486**
ATH VIII 03 07 26 11.1 37.88N 26.75E 21–1 3.4L
DDA VIII 03 07 26 12.0 37.87N 26.74E 6 3.3L
THE VIII 03 07 26 12.0 37.81N 26.62E 1–1 3.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=73.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=32.0.
ISC VIII 03 10 30 57.8–1.2 37.89N–.03 26.75E–.04 13–12 28 0-2
ISK VIII 03 10 30 57.4 37.89N 26.77E 9–0 2.3L **¶601888500**
DDA VIII 03 10 30 58.4 37.90N 26.76E 16 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 03 13 00 39.2–1.2 37.91N–.03 26.72E–.04 16–12 28 0-2
ISCJB VIII 03 13 00 38.6–.72 37.87N–.03 26.69E–.04 7–5 **¶601888507**
ISK VIII 03 13 00 38.8 37.95N 26.74E 18–0 1.8L
DDA VIII 03 13 00 39.4 37.90N 26.73E 7 2.7L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=135.5.
ISK Event type ke.
DDA Event type ke.
ISC VIII 03 23 18 25.8–1.1 37.89N–.05 26.77E–.06 16–9 16 0-1
ISK VIII 03 23 18 25.3 37.89N 26.77E 13–1 1.8L **¶601888528**
ISCJB VIII 03 23 18 26.0–.79 37.90N–.05 26.75E–.08 18–14 1.8L
DDA VIII 03 23 18 26.3 37.87N 26.81E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.8km az=149.9.
DDA Event type ke.
ISC VIII 04 12 40 33.1–1.1 37.91N–.03 26.76E–.04 15–8 26 0-2
ISCJB VIII 04 12 40 32.6–.67 37.88N–.03 26.71E–.05 7–6 **¶601888566**
ISK VIII 04 12 40 32.5 37.89N 26.73E 9–0 2.4L
DDA VIII 04 12 40 33.4 37.95N 26.83E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.0km az=151.5.
ISK Event type ke.
DDA Event type ke.
ISC VIII 06 02 51 33.3–.87 37.88N–.02 26.73E–.02 13–6 76 0-13
ATH VIII 06 02 51 31.8 37.80N 26.71E 28–2 2.9L **¶601888644**
ISCJB VIII 06 02 51 33.2–.48 37.85N–.02 26.69E–.03 2–3 2.9L
THE VIII 06 02 51 33.2 37.88N 26.73E 8–1 2.8L
DDA VIII 06 02 51 33.2 37.88N 26.74E 12 3.0L
ISK VIII 06 02 51 33.7 37.88N 26.75E 5–0 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=11.8km s-min=1.0km az=223.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=148.6.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.3km az=231.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 06 04 27 53.2–1.2 37.88N–.04 26.73E–.04 11–9 24 0-2
ISCJB VIII 06 04 27 53.5–.67 37.86N–.03 26.72E–.05 8–6 **¶601888647**
DDA VIII 06 04 27 53.0 37.87N 26.73E 7 2.6L
ISK VIII 06 04 27 53.2 37.85N 26.70E 5–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=142.7.
DDA Event type ke.
ISK Event type ke.
ISC VIII 06 22 32 02.5–.98 37.82N–.03 26.96E–.03 13–8 25 0-2
DDA VIII 06 22 32 01.8 37.79N 26.92E 7 2.6L **¶601888698**
ISK VIII 06 22 32 02.2 37.83N 26.97E 8–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 07 11 04 60.0–.98 36.33N–.03 28.73E–.02 28–8 90 0-41
IDC VIII 07 11 04 55.1–1.4 36.28N 28.79E 0 3.5,3.4 **¶601531847**
ATH VIII 07 11 04 59.7 36.43N 28.73E 38–2 3.4L,3.4
ISCJB VIII 07 11 05 00.1–.40 36.31N–.02 28.76E–.02 32–3 3.3b,3.4
ISK VIII 07 11 05 00.3 36.40N 28.71E 24–0 3.6L,3.4
NIC VIII 07 11 05 01.8–.20 36.39N 28.92E 50 4.1b,3.7L
DDA VIII 07 11 05 01.6 36.47N 28.70E 7 3.8L,3.7L
THE VIII 07 11 05 01.0 36.38N 28.73E 17–0 3.2L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=18.1km az=149.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=9.8.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=145.0.
ISC VIII 08 03 01 16.4–1.1 37.87N–.03 26.73E–.03 9–9 35 0-2
DDA VIII 08 03 01 16.2 37.87N 26.74E 8 2.8L **¶601888762**
ISK VIII 08 03 01 16.3 37.88N 26.76E 9–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 09 20 40 43.0–1.8 35.09N–.06 27.89E–.04 5–12 52 1-4
ISCJB VIII 09 20 40 42.6–1.3 35.12N–.05 27.95E–.04 2–8 **¶601888862**
ISK VIII 09 20 40 42.8 35.08N 27.88E 8–0 2.6L
ATH VIII 09 20 40 45.0 35.26N 27.75E 10–1 2.8L
DDA VIII 09 20 40 56.5 34.99N 27.84E 26 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.4km az=161.3.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=327.0.
DDA Event type ke.
ISC VIII 10 13 26 10.6–.95 37.94N–.02 26.71E–.03 15–9 35 0-2
ATH VIII 10 13 26 09.6 37.91N 26.72E 28–1 2.9L **¶601888893**
ISCJB VIII 10 13 26 10.4–.46 37.94N–.03 26.69E–.04 7–4 2.9L
ISK VIII 10 13 26 10.5 37.96N 26.73E 8–0 2.9L
DDA VIII 10 13 26 10.4 37.95N 26.72E 7 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=151.4.
ISK Event type ke.
DDA Event type ke.
ISC VIII 10 19 06 40.5–2.6 36.71N–.09 27.79E–.07 60–16 26 0-2
ISK VIII 10 19 06 36.6 36.56N 27.62E 81–1 2.1L **¶606588138**
ISCJB VIII 10 19 06 37.2–1.6 36.67N–.08 27.65E–.09 86–10 2.1L
DDA VIII 10 19 06 37.5 36.71N 27.71E 80 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=11.9km az=19.4.
DDA Event type ke.
ISC VIII 10 20 43 49.8–.89 37.85N–.02 26.75E–.02 13–7 75 0-3
ATH VIII 10 20 43 48.7 37.85N 26.78E 24–1 3.0L **¶601888904**
ISK VIII 10 20 43 48.9 37.84N 26.68E 8–0 3.0L
ISCJB VIII 10 20 43 49.9–.43 37.86N–.02 26.72E–.03 7–3 3.0L
THE VIII 10 20 43 50.1 37.84N 26.68E 6–1 2.9L
DDA VIII 10 20 43 50.7 37.88N 26.80E 14 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=88.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=157.8.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=178.0.
DDA Event type ke.
ISC VIII 10 20 50 01.1–.87 37.86N–.02 26.70E–.02 13–6 64 0-2
ISCJB VIII 10 20 50 00.8–.50 37.84N–.02 26.68E–.03 0–4 **¶601888905**
ATH VIII 10 20 50 00.7 37.84N 26.71E 19–2 2.7L
ISK VIII 10 20 50 00.5 37.86N 26.69E 5–0 2.7L
DDA VIII 10 20 50 01.4 37.88N 26.75E 13 3.0L
THE VIII 10 20 50 01.3 37.86N 26.69E 5–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=159.4.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=82.0.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=145.0.
ISC VIII 10 22 54 58.6–1.0 35.46N–.04 27.25E–.03 14–6 3.6b 92 0-44
ISK VIII 10 22 54 55.1 35.43N 27.08E 5–0 3.2L **¶601765739**
DDA VIII 10 22 54 57.0 35.49N 27.24E 14 3.6L
ATH VIII 10 22 54 57.6 35.48N 27.29E 22–1 3.4L
THE VIII 10 22 54 57.6 35.41N 27.34E 8–0 3.4L
IDC VIII 10 22 54 57.9–1.0 35.67N 27.10E 0 3.6b,3.5
ISCJB VIII 10 22 54 58.1–.74 35.44N–.03 27.29E–.03 10–4 3.4b,3.5
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC VIII 13 12 36 04.8–2.6 36.2N–.10 28.77E–.06 5–12 16 1-2
DDA VIII 13 12 36 04.8 36.18N 28.74E 6 2.6L **¶601889006**
ISK VIII 13 12 36 05.8 36.26N 28.75E 14–0 2.6L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 14 10 54 43.7–.97 37.87N–.04 26.73E–.05 15–8 15 0-1
ATH VIII 14 10 54 43.4 37.84N 26.73E 20–1 2.0L **¶602545061**
DDA VIII 14 10 54 43.5 37.88N 26.69E 7 2.8L
ISCJB VIII 14 10 54 44.1–.66 37.86N–.03 26.71E–.05 8–6 2.8L
ISC Event type ke.
ATH Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 14 11 08 58.4–.96 37.87N–.03 26.72E–.04 12–8 17 0-2
ISCJB VIII 14 11 08 58.7–.56 37.87N–.03 26.72E–.04 7–5 **¶602545062**
ATH VIII 14 11 08 58.1 37.86N 26.75E 16–7 1.9L
DDA VIII 14 11 08 58.7 37.88N 26.74E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=142.7.
ATH Event type ke. Error ellipse: s-maj=8.4km s-min=1.3km az=83.0.
DDA Event type ke.
ISC VIII 14 12 19 58.6–.91 37.86N–.02 26.69E–.03 10–7 64 0-3
ATH VIII 14 12 19 57.6 37.84N 26.79E 25–1 2.6L **¶601889183**
ISK VIII 14 12 19 58.9 37.88N 26.73E 2–0 3.0L
THE VIII 14 12 19 59.0 37.86N 26.70E 11–1 2.6L
DDA VIII 14 12 19 59.2 37.88N 26.77E 12 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.6km az=71.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=64.0.
DDA Event type ke.
ISC VIII 14 12 32 09.3–.96 37.88N–.04 26.74E–.04 14–8 14 0-1
ATH VIII 14 12 32 08.9 37.85N 26.76E 20–6 1.8L **¶602545064**
ISCJB VIII 14 12 32 09.6–.62 37.87N–.03 26.72E–.05 9–6 1.8L
DDA VIII 14 12 32 09.5 37.88N 26.73E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.8km s-min=1.4km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=147.8.
DDA Event type ke.
ISC VIII 14 13 06 25.8–1.0 37.87N–.03 26.69E–.03 18–4 28 0-2
ISK VIII 14 13 06 24.2 37.86N 26.49E 19–0 2.5L **¶601889184**
ATH VIII 14 13 06 25.7 37.86N 26.77E 22–2 2.2L
ISCJB VIII 14 13 06 26.7–.43 37.88N–.03 26.72E–.04 19–6 2.2L
DDA VIII 14 13 06 26.8 37.87N 26.73E 7 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=156.8.
DDA Event type ke.
ISC VIII 14 13 10 45.4–1.1 37.87N–.03 26.74E–.04 18–3 21 0-1
ATH VIII 14 13 10 44.8 37.84N 26.73E 20–7 1.9L **¶601889186**
ISCJB VIII 14 13 10 45.4–.53 37.86N–.03 26.73E–.05 11–5 1.9L
DDA VIII 14 13 10 45.3 37.87N 26.75E 7 2.9L
ISK VIII 14 13 10 46.3 37.90N 26.89E 18–3 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.5km s-min=1.4km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=154.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 14 14 28 00.5–.98 37.86N–.04 26.72E–.04 14–7 20 0-2
ISCJB VIII 14 14 28 00.9–.62 37.87N–.03 26.72E–.05 9–5 **¶601889188**
ATH VIII 14 14 28 00.3 37.82N 26.71E 20–7 2.1L
DDA VIII 14 14 28 01.2 37.90N 26.75E 7 2.9L
ISK VIII 14 14 28 09.4 38.13N 27.24E 8–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=166.4.
ATH Event type ke. Error ellipse: s-maj=9.6km s-min=1.4km az=77.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 14 18 19 40.1–.96 37.88N–.03 26.70E–.03 12–8 26 0-2
ISK VIII 14 18 19 39.9 37.89N 26.72E 5–1 2.4L **¶601889194**
ISCJB VIII 14 18 19 40.1–.49 37.87N–.02 26.71E–.04 8–5 2.4L
ATH VIII 14 18 19 40.0 37.82N 26.68E 16–4 2.1L
DDA VIII 14 18 19 40.8 37.88N 26.75E 8 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=150.5.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.3km az=70.0.
DDA Event type ke.
ISC VIII 14 21 41 57.0–.99 37.85N–.03 26.69E–.03 11–8 29 0-2
ATH VIII 14 21 41 56.5 37.85N 26.72E 19–2 2.3L **¶601889198**
DDA VIII 14 21 41 56.7 37.84N 26.68E 7 2.5L
ISCJB VIII 14 21 41 57.1–.49 37.87N–.02 26.71E–.04 4–5 2.5L
ISK VIII 14 21 41 57.9 37.89N 26.81E 6–0 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.4km az=73.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=156.3.
ISK Event type ke.
DDA VIII 15 00 06 42.2 37.84N 26.69E 4 2.7L
¶602995633
DDA Event type ke.
ISC VIII 15 00 21 40.9–1.6 37.79N–.04 26.59E–.07 10–12 23 0-2
ISK VIII 15 00 21 40.7 37.77N 26.67E 19–0 2.0L **¶601889221**
DDA VIII 15 00 21 44.1 37.88N 26.72E 6 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 15 00 47 18.3–1.6 37.86N–.05 26.68E–.07 11–10 18 0-2
ISCJB VIII 15 00 47 18.3–1.0 37.86N–.03 26.68E–.07 7–5 **¶601889222**
DDA VIII 15 00 47 18.5 37.87N 26.68E 7 2.7L
ISK VIII 15 00 47 18.4 37.87N 26.73E 12–0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.7km az=156.1.
DDA Event type ke.
ISK Event type ke.
ISC VIII 15 18 56 56.8–.99 36.93N–.02 27.78E–.02 14–8 91 0-5
DDA VIII 15 18 56 55.7 36.90N 27.73E 32 3.3L **¶601889260**
ISCJB VIII 15 18 56 57.0–.33 36.94N–.02 27.77E–.02 10–2 3.3L
ATH VIII 15 18 56 56.5 36.96N 27.79E 26–1 3.2L
THE VIII 15 18 56 56.6 36.95N 27.80E 0–0 3.3L
ISK VIII 15 18 56 56.7 36.93N 27.81E 7–0 3.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=10.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=221.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=177.0.
ISK Event type ke.
ISC VIII 15 22 10 11.7–.87 37.84N–.02 26.68E–.02 12–6 81 0-3
ISK VIII 15 22 10 10.6 37.85N 26.68E 5–0 3.6L **¶601889264**
ATH VIII 15 22 10 10.7 37.82N 26.75E 26–1 3.4L
ISCJB VIII 15 22 10 11.4–.45 37.84N–.02 26.68E–.03 3–3 3.4L
THE VIII 15 22 10 11.9 37.84N 26.68E 4–1 3.1L
DDA VIII 15 22 10 11.7 37.86N 26.72E 7 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=158.9.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=122.0.
DDA Event type ke.

ISC VIII 15 22 18 32.9–.86 37.85N–.02 26.70E–.02 11–6 3.4b 136 0-65
DDA VIII 15 22 18 31.2 37.82N 26.64E 14 3.7L **¶601765904**
ISK VIII 15 22 18 31.1 37.83N 26.63E 5–0 3.8L
ATH VIII 15 22 18 31.5 37.85N 26.78E 27–1 3.6L
ISCJB VIII 15 22 18 31.9–.37 37.86N–.01 26.62E–.02 4–3 3.4b,2.5s
IDC VIII 15 22 18 32.0–1.2 37.87N 26.83E 0 3.4,3.4b
THE VIII 15 22 18 33.0 37.85N 26.68E 5–0 3.6L,3.4b
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=155.5.
IDC Error ellipse: s-maj=23.0km s-min=16.8km az=120.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.2km az=157.0.
ISC VIII 15 22 34 01.0–.90 37.87N–.02 26.71E–.02 12–7 53 0-3
ISK VIII 15 22 34 00.2 37.86N 26.72E 5–0 2.2L **¶601889266**
ATH VIII 15 22 34 00.4 37.87N 26.74E 19–1 2.2L
DDA VIII 15 22 34 01.0 37.88N 26.73E 5 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=93.0.
DDA Event type ke.
ISC VIII 15 23 03 40.7–1.4 37.90N–.06 26.78E–.07 15–9 19 0-1
ISCJB VIII 15 23 03 40.3–1.1 37.89N–.06 26.75E–.08 11–7 **¶601889271**
DDA VIII 15 23 03 40.7 37.89N 26.77E 7 2.6L
ISK VIII 15 23 03 40.6 37.92N 26.80E 14–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.3km az=136.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 15 23 41 09.1–.91 37.84N–.02 26.70E–.02 13–7 51 0-3
ATH VIII 15 23 41 08.6 37.82N 26.72E 23–1 2.2L **¶601889280**
DDA VIII 15 23 41 08.3 37.85N 26.69E 7 2.8L
ISK VIII 15 23 41 08.7 37.84N 26.70E 3–0 2.2L
ISCJB VIII 15 23 41 09.0–.47 37.83N–.02 26.68E–.03 4–4 2.2L
ISC Event type ke.
ATH Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC VIII 15 23 55 12.3–.89 37.87N–.02 26.75E–.03 15–7 47 0-3
ATH VIII 15 23 55 11.3 37.88N 26.81E 22–2 2.3L **¶601889281**
ISCJB VIII 15 23 55 12.5–.50 37.85N–.02 26.74E–.03 2–5 2.3L
ISK VIII 15 23 55 12.1 37.82N 26.71E 5–0 2.2L
DDA VIII 15 23 55 12.3 37.88N 26.75E 7 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.4km az=249.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=155.7.
ISK Event type ke.
DDA Event type ke.
ISC VIII 16 01 14 37.6–.85 37.85N–.02 26.71E–.02 12–6 89 0-3
ATH VIII 16 01 14 36.0 37.86N 26.80E 26–1 3.2L **¶601889351**
ISCJB VIII 16 01 14 37.2–.40 37.86N–.02 26.69E–.03 6–3 3.2L
DDA VIII 16 01 14 37.8 37.88N 26.76E 6 3.6L
THE VIII 16 01 14 37.6 37.84N 26.66E 6–0 3.1L
ISK VIII 16 01 14 37.0 37.86N 26.70E 7–0 3.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=158.3.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=179.0.
ISK Event type ke.
ISC VIII 16 02 55 04.0–1.2 37.88N–.03 26.72E–.04 9–11 28 0-2
DDA VIII 16 02 55 03.9 37.88N 26.75E 7 2.5 **¶601889355**
ISK VIII 16 02 55 03.4 37.89N 26.75E 3–0 2.1L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 18 07 22 38.9–1.3 35.49N–.04 27.77E–.03 8–9 3.6b 70 0-32
DDA VIII 18 07 22 37.1 35.43N 27.77E 4 2.8L **¶601766035**
ISCJB VIII 18 07 22 38.4–.85 35.48N–.03 27.83E–.03 2–6 3.4b
IDC VIII 18 07 22 38.5–1.3 35.38N 27.76E 0 3.5,3.5b
ATH VIII 18 07 22 38.5 35.47N 27.83E 6–2 3.0L,3.5b
THE VIII 18 07 22 39.6 35.51N 27.73E 0–0 2.9L,3.5b
ISK VIII 18 07 22 39.7 35.57N 27.74E 10–0 2.9L,3.5b
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=145.7.
IDC Error ellipse: s-maj=25.6km s-min=15.3km az=175.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=333.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=152.0.
ISK Event type ke.
ISC VIII 18 10 50 43.6–1.0 37.92N–.04 26.90E–.05 10–8 22 0-2
ISCJB VIII 18 10 50 43.0–.77 37.89N–.04 26.84E–.06 7–6 **¶601889565**
ISK VIII 18 10 50 42.9 37.92N 26.88E 7–0 2.3L
DDA VIII 18 10 50 43.5 37.88N 26.86E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=153.9.
ISK Event type ke.
DDA Event type ke.
ISC VIII 21 01 57 43.9–1.2 35.31N–.04 27.09E–.02 16–8 3.5b 112 1-42
ISK VIII 21 01 57 43.3 35.37N 27.02E 3–0 3.0L **¶601766230**
ATH VIII 21 01 57 44.5 35.35N 27.10E 18–1 3.3L
ISCJB VIII 21 01 57 44.5–.80 35.19N–.03 27.17E–.03 26–8 3.5b,2.3s
THE VIII 21 01 57 46.7 35.31N 27.14E 13–1 3.4L,2.3s
IDC VIII 21 01 57 47.5–1.2 35.20N 27.12E 49–15 3.5,3.4b
DDA VIII 21 01 57 57.5 35.33N 27.25E 21 3.4L,3.4b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.3km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=169.9.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=149.0.
IDC Error ellipse: s-maj=20.8km s-min=9.4km az=176.0.
DDA Event type ke.
ISC VIII 22 01 17 49.6–1.2 36.42N–.04 28.96E–.03 21–2 44 0-3
ATH VIII 22 01 17 48.3 36.46N 29.00E 30–19 2.1L **¶601889953**
ISCJB VIII 22 01 17 49.9–.54 36.41N–.04 28.97E–.03 26–4 2.1L
DDA VIII 22 01 17 49.8 36.51N 28.95E 7 2.7L
ISK VIII 22 01 17 49.2 36.41N 28.95E 21–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=30.7km s-min=1.2km az=184.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=175.2.
DDA Event type ke.
ISK Event type ke.
ISC VIII 24 01 26 23.1–1.1 36.98N–.03 27.70E–.03 6–15 19 0-1
ISCJB VIII 24 01 26 23.8–.66 36.98N–.03 27.60E–.06 9–8 **¶601890050**
ISK VIII 24 01 26 23.3 36.99N 27.58E 12–4 1.8L
DDA VIII 24 01 26 24.2 36.98N 27.60E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.5km az=162.8.
ISK Event type ke.
DDA Event type ke.
ISC VIII 24 01 28 54.9–1.0 36.95N–.04 27.63E–.04 17–8 19 0-1
ISK VIII 24 01 28 54.9 36.98N 27.58E 17–1 1.9L **¶601890051**
DDA VIII 24 01 28 55.1 36.97N 27.54E 7 2.5L
ISCJB VIII 24 01 28 56.0–.73 36.98N–.03 27.61E–.06 2–13 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VIII 24 20 26 32.4–.92 36.50N–.04 27.08E–.03 13–5 34 0-2

ISCJB VIII 24 20 26 32.4–.67 36.47N–.04 27.06E–.04 8–5 ¶601890088
ATH VIII 24 20 26 32.7 36.55N 27.04E 16–3 2.4L
ISK VIII 24 20 26 32.2 36.49N 27.07E 16–0 2.0L
DDA VIII 24 20 27 14.8 36.45N 27.01E 14 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=6.6.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.1km az=18.0.
ISK Event type ke.
DDA Event type ke.
ISK VIII 24 20 27 19.2 36.40N 27.09E 20–0 1.5L
¶601890091
ISK Event type ke.
ISC VIII 26 08 16 24.7–.85 37.77N–.02 26.80E–.03 15–6 30 0-2
DDA VIII 26 08 16 24.1 37.76N 26.75E 7 2.8 **¶602028705**
ISCJB VIII 26 08 16 25.3–.51 37.78N–.02 26.80E–.04 7–4 2.8
THE VIII 26 08 16 25.4 37.80N 26.82E 1–3 2.6L
ATH VIII 26 08 16 25.1 37.73N 26.76E 13–6 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=167.5.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.5km az=64.0.
ATH Event type ke. Error ellipse: s-maj=7.4km s-min=1.3km az=94.0.
ISC VIII 26 10 14 12.3–1.2 35.36N–.06 27.19E–.04 28–6 49 0-3
ISK VIII 26 10 14 08.5 35.14N 27.18E 23–0 2.7L **¶601890169**
ISCJB VIII 26 10 14 11.9–.85 35.34N–.06 27.25E–.05 28–5 2.7L
ATH VIII 26 10 14 11.1 35.34N 27.17E 33–1 2.7L
THE VIII 26 10 14 13.4 35.40N 27.24E 19–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.1km az=157.1.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.2km az=139.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=335.0.
ISC VIII 27 11 10 33.1–.84 37.87N–.02 26.71E–.02 14–6 89 0-3
ISCJB VIII 27 11 10 32.7–.39 37.86N–.02 26.69E–.02 5–3 **¶601890224**
ATH VIII 27 11 10 32.1 37.85N 26.73E 25–0 2.8L
DDA VIII 27 11 10 32.5 37.86N 26.69E 7 2.6L
ISK VIII 27 11 10 32.7 37.87N 26.74E 5–0 2.8L
THE VIII 27 11 10 33.3 37.88N 26.73E 8–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=157.9.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=78.0.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=75.0.
ISC VIII 27 13 47 45.5–1.0 37.90N–.03 26.72E–.05 14–10 18 0-1
DDA VIII 27 13 47 44.7 37.87N 26.70E 7 2.3L **¶601890234**
ISCJB VIII 27 13 47 45.5–.83 37.88N–.06 26.73E–.06 6–14 2.3L
ISK VIII 27 13 47 45.6 37.91N 26.73E 11–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.4km az=30.6.
ISK Event type ke.
ISC VIII 27 13 49 02.3–1.0 37.89N–.03 26.75E–.04 14–9 24 0-2
ISCJB VIII 27 13 49 01.8–.77 37.87N–.04 26.73E–.05 6–7 **¶601890235**
DDA VIII 27 13 49 01.5 37.86N 26.74E 7 2.6L
ISK VIII 27 13 49 01.8 37.90N 26.77E 10–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=144.4.
DDA Event type ke.
ISK Event type ke.
ISC VIII 27 21 02 14.2–.95 37.86N–.03 26.69E–.03 13–7 39 0-2
ISK VIII 27 21 02 13.6 37.86N 26.62E 8–0 3.1L **¶601890252**
ISCJB VIII 27 21 02 14.1–.49 37.85N–.02 26.68E–.03 3–4 3.1L
ATH VIII 27 21 02 14.1 37.81N 26.69E 21–1 2.5L
DDA VIII 27 21 02 15.2 37.91N 26.77E 11 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=154.6.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=83.0.
DDA Event type ke.
ISC VIII 27 21 02 55.9–.89 37.88N–.02 26.72E–.03 11–7 56 0-3
ISCJB VIII 27 21 02 55.7–.46 37.88N–.02 26.71E–.04 6–4 **¶601890255**
DDA VIII 27 21 02 56.1 37.89N 26.76E 7 3.1L
THE VIII 27 21 02 56.0 37.82N 26.65E 1–2 3.0L
ATH VIII 27 21 02 56.2 37.84N 26.70E 14–6 2.9L
ISK VIII 27 21 02 56.6 37.97N 26.75E 21–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=167.2.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=221.0.
ATH Event type ke. Error ellipse: s-maj=7.0km s-min=1.0km az=93.0.
ISK Event type ke.
ISC VIII 27 22 01 51.2–.88 37.88N–.02 26.71E–.02 11–7 67 0-2
ATH VIII 27 22 01 50.5 37.86N 26.70E 21–1 2.6L **¶601890262**
THE VIII 27 22 01 50.9 37.88N 26.70E 0–1 2.5L
ISCJB VIII 27 22 01 51.1–.44 37.86N–.02 26.68E–.03 4–3 2.5L
DDA VIII 27 22 01 51.2 37.88N 26.74E 13 2.8L
ISK VIII 27 22 01 51.3 37.89N 26.69E 9–0 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=99.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=12.3.
DDA Event type ke.
ISK Event type ke.
ISC VIII 28 00 14 45.0–.88 37.86N–.02 26.70E–.02 11–7 72 0-3
ATH VIII 28 00 14 43.9 37.86N 26.76E 25–1 2.8L **¶601890269**
ISCJB VIII 28 00 14 44.6–.47 37.85N–.02 26.66E–.03 4–3 2.8L
ISK VIII 28 00 14 44.4 37.88N 26.72E 5–0 2.8L
THE VIII 28 00 14 45.1 37.86N 26.70E 7–0 2.8L
DDA VIII 28 00 14 45.1 37.89N 26.74E 7 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=165.6.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=73.0.
DDA Event type ke.
ISC VIII 28 06 18 56.6–1.1 37.92N–.04 26.79E–.03 13–8 24 0-2
ISCJB VIII 28 06 18 55.9–.78 37.87N–.04 26.76E–.04 2–7 **¶601890273**
ISK VIII 28 06 18 55.9 37.89N 26.77E 5–0 2.3L
DDA VIII 28 06 18 56.9 37.95N 26.80E 14 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=33.3.
ISK Event type ke.
DDA Event type ke.
ISC VIII 28 08 38 09.2–.84 37.88N–.02 26.72E–.02 15–6 92 0-3
ATH VIII 28 08 38 08.8 37.89N 26.71E 12–2 3.2L **¶601890277**
DDA VIII 28 08 38 09.2 37.88N 26.74E 13 3.4L
THE VIII 28 08 38 09.2 37.84N 26.65E 1–1 3.1L
ISK VIII 28 08 38 09.0 37.86N 26.72E 5–0 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=71.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=73.0.
ISK Event type ke.
ISC VIII 28 15 08 17.1–.94 37.88N–.01 26.68E–.02 9–8 118 0-4
ATH VIII 28 15 08 15.4 37.87N 26.80E 27–0 3.2L **¶601890286**
ISCJB VIII 28 15 08 16.9–.43 37.88N–.01 26.66E–.02 1–3 3.2L
DDA VIII 28 15 08 16.8 37.88N 26.69E 3 3.5L
ISK VIII 28 15 08 16.7 37.90N 26.70E 5–0 3.5L
THE VIII 28 15 08 17.0 37.87N 26.69E 4–1 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=168.3.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=179.0.
ISC VIII 28 15 10 32.9–1.1 37.88N–.03 26.71E–.03 8–9 30 0-2
ISCJB VIII 28 15 10 32.6–.64 37.85N–.03 26.71E–.04 3–6 **¶601890287**
ISK VIII 28 15 10 32.8 37.89N 26.71E 9–0 3.0L
DDA VIII 28 15 10 33.3 37.90N 26.73E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=138.5.
ISK Event type ke.
DDA Event type ke.
ISC VIII 28 15 33 52.2–1.1 37.88N–.03 26.71E–.04 16–8 38 0-2
ISCJB VIII 28 15 33 51.7–.60 37.84N–.03 26.71E–.05 0–5 **¶601890288**
ISK VIII 28 15 33 51.4 37.86N 26.72E 3–0 3.0L
DDA VIII 28 15 33 52.3 37.89N 26.67E 6 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.6km az=155.8.
ISK Event type ke.
DDA Event type ke.
ISC VIII 28 15 55 52.3–1.1 37.94N–.05 26.78E–.06 14–9 16 0-1
ISK VIII 28 15 55 51.4 37.92N 26.77E 6–0 2.5L **¶601890291**
DDA VIII 28 15 55 53.6 38.05N 26.92E 17 2.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 28 16 18 49.7–.98 37.84N–.03 26.75E–.04 12–9 21 0-2
ATH VIII 28 16 18 48.8 37.77N 26.62E 21–2 2.6L **¶601890292**
ISCJB VIII 28 16 18 50.0–.60 37.86N–.03 26.73E–.05 8–5 2.6L
ISK VIII 28 16 18 49.4 37.82N 26.74E 11–0 2.7L
DDA VIII 28 16 18 50.1 37.89N 26.76E 7 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.2km s-min=1.1km az=219.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.5km az=143.8.
ISK Event type ke.
DDA Event type ke.
ISC VIII 29 00 41 24.6–.86 37.88N–.02 26.74E–.03 16–6 51 0-3
ATH VIII 29 00 41 22.9 37.89N 26.80E 25–1 2.7L **¶601890303**
ISCJB VIII 29 00 41 24.2–.56 37.86N–.02 26.64E–.03 3–4 2.7L
THE VIII 29 00 41 24.2 37.83N 26.62E 0–1 2.6L
DDA VIII 29 00 41 24.1 37.88N 26.67E 10 2.8L
ISK VIII 29 00 41 24.8 37.92N 26.76E 22–0 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.0km az=235.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=153.6.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=0.8km az=232.0.
DDA Event type ke.
ISK Event type ke.
ISC VIII 29 06 34 19.6–1.1 37.89N–.04 26.71E–.04 12–9 25 0-1
ISCJB VIII 29 06 34 19.2–.65 37.86N–.03 26.71E–.05 4–6 **¶601890307**
DDA VIII 29 06 34 19.7 37.89N 26.75E 7 2.8L
ISK VIII 29 06 34 19.0 37.87N 26.71E 5–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=159.3.
DDA Event type ke.
ISK Event type ke.
ISC VIII 29 23 14 53.1–1.2 36.28N–.02 28.76E–.02 5–9 77 0-41
DDA VIII 29 23 14 49.5 36.06N 28.85E 13 3.2L **¶601755586**
IDC VIII 29 23 14 52.7–1.4 36.13N 28.80E 0 3.2,3.2
ATH VIII 29 23 14 53.4 36.34N 28.71E 16–2 2.8L,3.2
ISCJB VIII 29 23 14 53.2–.57 36.25N–.03 28.72E–.02 1–4 3.2b,3.2
ISK VIII 29 23 14 53.5 36.36N 28.70E 5–0 3.1L,3.2
THE VIII 29 23 14 54.2 36.36N 28.79E 0–1 2.7L,3.2
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=17.0km az=162.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=167.4.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=168.0.
ISC VIII 30 00 08 51.1–.98 35.44N–.04 27.24E–.03 15–5 105 0-4
ATH VIII 30 00 08 49.6 35.46N 27.25E 22–0 3.2L **¶601890341**
ISCJB VIII 30 00 08 50.3–.61 35.44N–.03 27.27E–.02 14–3 3.2L
THE VIII 30 00 08 50.0 35.39N 27.30E 0–1 3.1L
ISK VIII 30 00 08 50.3 35.47N 27.29E 12–0 3.1L
DDA VIII 30 00 08 55.1 34.77N 26.63E 21 3.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=2.7km az=158.1.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.2km az=150.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 30 08 00 54.9–1.1 37.91N–.05 26.74E–.04 11–11 15 0-1
DDA VIII 30 08 00 54.5 37.90N 26.69E 7 2.8L **¶601890349**
ISK VIII 30 08 00 54.6 37.93N 26.75E 9–0 2.0L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC VIII 30 08 50 25.1–1.1 36.29N–.03 28.72E–.02 10–9 54 0-2
ATH VIII 30 08 50 21.4 36.70N 28.70E 11–4 2.4L **¶601890350**
ISK VIII 30 08 50 24.7 36.33N 28.75E 14–0 2.8L
THE VIII 30 08 50 24.2 36.30N 28.74E 0–1 2.2L
DDA VIII 30 08 50 25.5 36.31N 28.73E 7 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.2km s-min=1.6km az=178.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=174.0.
DDA Event type ke.
ISC VIII 30 09 57 24.7–1.2 36.28N–.03 28.75E–.03 13–11 32 0-3
DDA VIII 30 09 57 22.8 36.15N 28.84E 7 3.2L **¶601890356**
ISK VIII 30 09 57 23.8 36.27N 28.76E 12–0 2.7L
ISCJB VIII 30 09 57 24.1–.81 36.26N–.05 28.75E–.04 1–7 2.7L
ATH VIII 30 09 57 24.8 36.40N 28.71E 16–5 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=153.4.
ATH Event type ke. Error ellipse: s-maj=7.5km s-min=1.4km az=175.0.
ISC IX 01 03 22 14.5–1.3 36.29N–.03 28.74E–.02 10–11 61 0-3
ATH IX 01 03 22 12.4 36.64N 28.69E 12–4 2.6L **¶602028884**
ISK IX 01 03 22 13.8 36.32N 28.73E 5–0 3.2L
ISCJB IX 01 03 22 14.7–.65 36.28N–.03 28.72E–.03 1–5 3.2L
DDA IX 01 03 22 14.1 36.26N 28.75E 7 3.0L
THE IX 01 03 22 14.7 36.30N 28.76E 0–1 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.7km s-min=1.6km az=175.0. Analyst: Koutrakis ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=172.9.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=173.0.
ISC IX 02 06 34 33.7–.96 35.89N–.02 27.01E–.02 13–8 91 0-3
ISK IX 02 06 34 32.3 35.90N 26.97E 6–0 3.0L **¶602028970**
ATH IX 02 06 34 33.0 35.85N 27.02E 30–2 3.0L
ISCJB IX 02 06 34 34.4–.37 35.85N–.02 27.02E–.03 23–4 3.0L
THE IX 02 06 34 34.4 35.87N 27.03E 11–2 2.9L
DDA IX 02 06 35 35.5 36.33N 27.54E 12 2.7L
ISC Event type ke.
ISK Event type ke.

ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=137.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=141.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=112.0.
DDA Event type ke.
ISC IX 02 10 27 17.6–1.1 35.51N–.03 27.84E–.03 13–8 3.8b 105 1-64
IDC IX 02 10 27 15.7–1.1 35.50N 27.83E 0 3.9b,3.7 **¶601862777**
ISCJB IX 02 10 27 16.2–.69 35.45N–.02 27.91E–.02 9–4 3.6b,3.2s
ISK IX 02 10 27 17.1 35.57N 27.71E 5–0 3.3L,3.2s
ATH IX 02 10 27 18.1 35.56N 27.77E 24–1 3.3L,3.2s
THE IX 02 10 27 19.4 35.62N 27.77E 0–2 3.4L,3.2s
GII IX 02 10 27 22.8–.00 35.21N 27.99E 25 3.4L,3.2s
DDA IX 02 10 28 02.8 35.81N 27.80E 11 3.2L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=15.1km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=5.2.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=142.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=5.7km s-min=1.4km az=138.0.
GII Event type ke.
DDA Event type ke.
ISC IX 02 10 31 39.9–1.1 35.60N–.03 27.72E–.03 15–8 3.6b 86 0-39
IDC IX 02 10 31 38.1–1.2 35.52N 27.81E 0 3.7b,3.6 **¶601862778**
ISCJB IX 02 10 31 38.5–.75 35.54N–.03 27.81E–.03 5–5 3.4b,3.6
ISK IX 02 10 31 38.7 35.49N 27.70E 21–0 3.2L,3.6
ATH IX 02 10 31 39.9 35.63N 27.72E 18–1 3.0L,3.6
THE IX 02 10 31 40.4 35.64N 27.75E 0–1 3.2L,3.6
DDA IX 02 10 31 46.5 35.90N 27.72E 27 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=16.7km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=148.2.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=140.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.4km az=149.0.
DDA Event type ke.
ISC IX 02 11 27 36.5–1.7 37.90N–.08 26.75E–.05 17–9 16 0-2
ISCJB IX 02 11 27 35.5–1.4 37.84N–.07 26.71E–.06 3–12 **¶602077398**
ISK IX 02 11 27 36.2 37.91N 26.72E 14–5 2.4L
DDA IX 02 11 27 36.6 37.89N 26.78E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.5km az=9.6.
ISK Event type ke.
DDA Event type ke.
ISC IX 02 16 35 29.7–1.1 37.85N–.04 26.70E–.04 9 18 0-2
ISCJB IX 02 16 35 29.6–.69 37.84N–.04 26.68E–.05 9 **¶602077404**
ISK IX 02 16 35 29.3 37.85N 26.68E 5–0 2.6L
DDA IX 02 16 35 30.7 37.90N 26.71E 7 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=147.7.
ISK Event type ke.
DDA Event type ke.
ISC IX 03 10 54 34.0–.92 36.98N–.03 27.72E–.03 11–8 19 0-1
ISK IX 03 10 54 34.2 36.94N 27.52E 21–0 2.0L **¶602077425**
ISCJB IX 03 10 54 35.1–1.1 36.98N–.04 27.53E–.09 17–13 2.0L
DDA IX 03 10 54 35.7 36.99N 27.59E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.6km az=165.4.
DDA Event type ke.
ISC IX 03 12 03 57.9–.89 37.65N–.02 26.84E–.03 10–6 42 0-2
ATH IX 03 12 03 57.0 37.67N 26.89E 16–1 2.8L **¶602077429**
ISK IX 03 12 03 57.5 37.63N 26.86E 5–0 2.8L
DDA IX 03 12 03 58.9 37.70N 26.85E 6 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=106.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISC IX 03 16 31 24.8–1.7 35.5N–.10 27.3E–.10 27–8 15 0-2
ATH IX 03 16 31 25.7 35.68N 27.16E 22–5 2.2L **¶602996532**
DDA IX 03 16 32 15.8 35.77N 27.35E 6 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.5km s-min=1.9km az=145.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC IX 04 14 04 48.7–.76 35.32N–.03 27.92E–.03 67–8 4.1b 341 1-81
ISK IX 04 14 04 47.6 35.22N 27.93E 28–0 4.3L **¶601674443**
ISCJB IX 04 14 04 48.6–.16 35.31N–.02 27.99E–.01 83–3 4.0b
GII IX 04 14 04 48.7–.55 35.28N 27.98E 67 4.0b
HLW IX 04 14 04 49.9 35.07N 28.00E 11–18 4.4L,4.0
NEIC IX 04 14 04 50.3–.70 35.34N 27.92E 78–7 4.0b,3.9L
DDA IX 04 14 04 51.4 35.50N 28.03E 41 4.3L,3.9L
ATH IX 04 14 04 51.4 35.49N 27.76E 74–4 4.0L,3.9L
IDC IX 04 14 04 51.2–1.5 35.52N 27.77E 78–13 4.0,3.9
THE IX 04 14 04 52.4 35.47N 27.86E 88–5 4.0L,3.9
NIC IX 04 14 04 54.0–.30 35.51N 28.37E 50 4.2b,3.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=21.5.
GII Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.1km az=181.0.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=64.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=16.8km s-min=9.0km az=146.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=0.7km az=20.0.
ISC IX 05 22 46 37.3–1.2 35.30N–.04 27.15E–.03 12–8 3.6b 148 1-58
ATH IX 05 22 46 37.0 35.31N 27.12E 24–0 3.5L **¶601676713**
DDA IX 05 22 46 37.0 35.33N 27.22E 20 3.4L
THE IX 05 22 46 38.0 35.33N 27.10E 0–1 3.5L
IDC IX 05 22 46 38.6–5.4 35.13N 27.15E 29–44 3.5,3.5
ISK IX 05 22 46 38.2 35.40N 27.12E 11–0 3.4L,3.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=150.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=147.0.
IDC Error ellipse: s-maj=22.2km s-min=15.1km az=169.0.
ISK Event type ke.
ISC IX 05 23 33 03.7–.88 37.88N–.02 26.73E–.02 11–7 48 0-2
ATH IX 05 23 33 03.9 37.85N 26.71E 10–31 2.1L **¶602077543**
DDA IX 05 23 33 03.5 37.89N 26.73E 7 2.5L
ISK IX 05 23 33 03.1 37.87N 26.72E 5–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.0km az=0.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISC IX 06 13 02 10.2–1.1 37.87N–.03 26.71E–.04 14–9 23 0-2
ISK IX 06 13 02 09.8 37.87N 26.76E 11–0 2.3L **¶602077571**
ISCJB IX 06 13 02 10.0–.66 37.86N–.03 26.70E–.05 6–7 2.3L
DDA IX 06 13 02 10.6 37.89N 26.74E 7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=152.1.
DDA Event type ke.
ISC IX 06 14 52 12.5–.97 36.31N–.02 27.21E–.02 18–6 63 0-2
ISCJB IX 06 14 52 12.3–.55 36.28N–.02 27.15E–.03 0–5 **¶602029306**
ISK IX 06 14 52 12.8 36.34N 27.18E 10–0 2.3L
THE IX 06 14 52 12.2 36.30N 27.18E 0–1 2.6L
ATH IX 06 14 52 12.1 36.31N 27.18E 23–1 2.6L
DDA IX 06 14 52 18.4 36.69N 27.28E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=29.3.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=152.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=46.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC IX 06 18 10 04.0–1.1 37.81N–.04 26.80E–.05 13 17 0-1
ISCJB IX 06 18 10 03.7–.74 37.81N–.04 26.77E–.06 13 **¶602077584**
ISK IX 06 18 10 03.4 37.81N 26.77E 10–0 2.0L
DDA IX 06 18 10 04.5 37.82N 26.82E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=137.7.
ISK Event type ke.
DDA Event type ke.
ISC IX 07 01 16 40.4–1.2 37.86N–.04 26.72E–.04 11–10 20 0-2
ISCJB IX 07 01 16 39.8–.82 37.83N–.04 26.71E–.06 4–10 **¶602077594**
DDA IX 07 01 16 40.0 37.86N 26.72E 7 2.6L
ISK IX 07 01 16 40.0 37.85N 26.72E 7–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.8km az=152.2.
DDA Event type ke.
ISK Event type ke.
ISC IX 07 23 33 07.2–1.5 36.48N–.05 27.80E–.04 69–10 26 0-2
ATH IX 07 23 33 05.2 36.50N 27.83E 82–3 2.3L **¶602997590**
ISCJB IX 07 23 33 06.6–.73 36.48N–.04 27.76E–.04 75–7 2.3L
DDA IX 07 23 33 11.4 36.75N 28.07E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=178.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=165.6.
DDA Event type ke.
ISC IX 08 14 52 18.1–1.1 37.87N–.03 26.70E–.03 14–8 33 0-2
ISK IX 08 14 52 17.9 37.88N 26.70E 5–0 2.6L **¶602077642**
ISCJB IX 08 14 52 18.0–.60 37.85N–.03 26.70E–.04 2–6 2.6L
DDA IX 08 14 52 18.4 37.87N 26.72E 13 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.3km az=163.9.
DDA Event type ke.
ISC IX 09 17 57 46.7–1.9 37.90N–.04 26.73E–.05 13–19 22 0-1
ISCJB IX 09 17 57 47.4–.72 37.87N–.04 26.71E–.05 10–8 **¶602077676**
ISK IX 09 17 57 47.3 37.90N 26.74E 18–0 2.4L
DDA IX 09 17 58 40.4 37.89N 26.71E 8 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.2km az=39.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 10 10 57 06.7–1.2 36.21N–.03 28.45E–.03 59–7 86 0-9
ISCJB IX 10 10 57 06.4–.34 36.23N–.03 28.44E–.03 65–5 **¶601698292**
ATH IX 10 10 57 06.8 36.27N 28.44E 54–2 2.9L
DDA IX 10 10 57 07.9 36.35N 28.44E 48 3.4L
ISK IX 10 10 57 07.2 36.29N 28.44E 54–0 3.1L
THE IX 10 10 57 08.5 36.26N 28.43E 49–1 2.7L
HLW IX 10 10 57 09.5 35.97N 28.37E 33–32 3.5L
NIC IX 10 10 57 12.1–.00 36.27N 29.00E 55 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=22.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=352.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=210.0.
ISC IX 11 17 49 43.9–.95 37.88N–.03 26.67E–.03 15–8 37 0-2
ISCJB IX 11 17 49 44.4–.46 37.86N–.03 26.67E–.04 7–5 **¶602077742**
ATH IX 11 17 49 44.0 37.84N 26.69E 21–3 2.5L
DDA IX 11 17 49 45.0 37.92N 26.68E 7 2.7
ISK IX 11 17 49 44.3 37.88N 26.69E 7–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=142.2.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=128.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISK IX 11 18 21 45.9 37.87N 26.70E 5–0 2.2L
DDA IX 11 18 21 43.9 37.74N 26.77E 7 2.4 **¶602077743**
ISK Event type ke.
DDA Event type ke.
ISC IX 11 23 43 10.6–.86 37.89N–.02 26.70E–.03 13–6 58 0-2
ATH IX 11 23 43 09.3 37.86N 26.76E 26–1 2.5L **¶602029648**
ISCJB IX 11 23 43 10.4–.44 37.88N–.02 26.67E–.03 5–5 2.5L
THE IX 11 23 43 10.8 37.88N 26.67E 7–2 2.4L
ISK IX 11 23 43 10.3 37.89N 26.72E 13–0 2.4L
DDA IX 11 23 43 11.2 37.92N 26.70E 7 2.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=79.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=157.4.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=68.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 13 20 26 26.9–.81 36.70N–.02 27.21E–.02 14–5 46 0-2
ATH IX 13 20 26 26.5 36.67N 27.16E 18–1 2.5L **¶602029810**
DDA IX 13 20 26 26.7 36.73N 27.18E 7 2.8L
ISCJB IX 13 20 26 27.1–.39 36.70N–.02 27.20E–.03 9–3 2.8L
THE IX 13 20 26 27.2 36.71N 27.22E 6–1 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=49.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=38.9.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=210.0.
ISC IX 14 05 10 03.9–1.8 36.31N–.05 26.69E–.04 116–14 47 1-3
ATH IX 14 05 10 03.2 36.31N 26.68E 126–5 2.9L **¶602029831**
ISCJB IX 14 05 10 04.2–1.1 36.31N–.05 26.65E–.05 116–13 2.9L
THE IX 14 05 10 07.4 36.24N 26.64E 92–9 2.6L
ISK IX 14 05 10 09.6 36.28N 26.97E 27–0 2.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.7km az=166.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.6km az=155.1.
THE Event type ke. Error ellipse: s-maj=9.1km s-min=1.5km az=95.0.
ISK Event type ke.
ISC IX 15 05 41 13.4–1.6 35.41N–.05 27.82E–.04 1–12 50 1-3
ISCJB IX 15 05 41 13.7–1.1 35.44N–.05 27.85E–.04 1–8 **¶602029905**
ATH IX 15 05 41 13.4 35.32N 27.91E 10–31 2.8L
ISK IX 15 05 41 14.1 35.50N 27.79E 5–0 3.2L
THE IX 15 05 41 15.0 35.44N 27.75E 0–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=150.3.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.9km az=0.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=140.0.
ISC IX 15 07 13 37.2–.91 37.65N–.02 26.95E–.03 9–7 34 0-2
ISCJB IX 15 07 13 37.0–.40 37.65N–.02 26.97E–.03 5–5 **¶602077916**
ISK IX 15 07 13 36.8 37.66N 26.98E 8–0 2.7L
ATH IX 15 07 13 37.4 37.66N 26.93E 9–2 2.4L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=142.3.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=286.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**15 07 32 50.7–.92**	**37.86N–.02**	**26.70E–.02**	**16–8**		**70**	**0-3**
ISK	IX	15 07 32 49.9	37.85N	26.66E	15–0	2.9L		**¶602029924**
ISCJB	IX	15 07 32 51.1–.40	37.86N–.02	26.70E–.03	5–3	2.9L		
ATH	IX	15 07 32 51.9	37.85N	26.70E	14–2	2.5L		
DDA	IX	15 07 32 51.4	37.89N	26.71E	2	3.0L		
THE	IX	15 07 32 52.0	37.84N	26.64E	5–1	2.4L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=158.6.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=83.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=145.0.

ISC	**IX**	**15 07 41 47.9–.88**	**37.87N–.02**	**26.69E–.03**	**12–7**		**57**	**0-2**
ISCJB	IX	15 07 41 47.6–.41	37.87N–.02	26.70E–.03	5–4			**¶602029925**
ATH	IX	15 07 41 47.8	37.84N	26.68E	15–4	2.3L		
DDA	IX	15 07 41 47.8	37.89N	26.71E	7	3.0L		
ISK	IX	15 07 41 47.1	37.87N	26.69E	7–0	2.7L		
THE	IX	15 07 41 48.0	37.85N	26.66E	3–1	2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=146.3.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.3km az=68.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.3km az=231.0.

ISC	**IX**	**16 17 29 20.2–1.2**	**36.33N–.04**	**28.78E–.03**	**20–4**		**25**	**0-2**
ATH	IX	16 17 29 16.7	36.65N	28.74E	15–2	2.0L		**¶602078019**
ISCJB	IX	16 17 29 19.7–.65	36.30N–.04	28.75E–.04	6–7	2.0L		
ISK	IX	16 17 29 19.1	36.30N	28.75E	6–0	2.6L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.0km s-min=1.2km az=177.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=177.7.
ISK Event type ke.

ISC	**IX**	**16 23 20 07.0–1.2**	**36.31N–.03**	**28.73E–.02**	**6–10**		**45**	**0-2**
ISK	IX	16 23 20 05.3	36.32N	28.75E	5–0	2.6L		**¶602078032**
DDA	IX	16 23 20 06.0	36.26N	28.72E	7	2.8L		
ATH	IX	16 23 20 07.0	36.28N	28.74E	19–3	1.8L		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.3km s-min=1.4km az=5.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**18 03 33 52.3–.88**	**37.88N–.02**	**26.72E–.02**	**17–6**		**61**	**0-2**
ATH	IX	18 03 33 51.3	37.85N	26.75E	27–1	2.7L		**¶602078085**
ISCJB	IX	18 03 33 52.3–.40	37.86N–.02	26.67E–.03	5–3	2.7L		
DDA	IX	18 03 33 52.7	37.89N	26.72E	18	2.9L		
ISK	IX	18 03 33 52.1	37.87N	26.69E	6–0	3.0L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=238.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=153.4.
DDA Event type ke.
ISK Event type ke.

ISC	**IX**	**18 15 48 54.2–1.1**	**37.90N–.04**	**26.74E–.04**	**16–8**		**26**	**0-2**
ISCJB	IX	18 15 48 53.9–.68	37.86N–.04	26.70E–.05	8–8			**¶602078123**
DDA	IX	18 15 48 53.9	37.87N	26.71E	7	2.8L		
ISK	IX	18 15 48 54.2	37.89N	26.74E	8–0	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=44.4.
DDA Event type ke.
ISK Event type ke.

ISC	**IX**	**18 23 11 03.5–.00**	**37.80N–.03**	**26.93E–.03**	**15–8**		**27**	**0-1**
ISCJB	IX	18 23 11 03.6–.50	37.80N–.03	26.94E–.04	10–4			**¶602078138**
DDA	IX	18 23 11 03.1	37.78N	26.93E	7	2.5L		
ISK	IX	18 23 11 03.5	37.81N	26.94E	8–0	2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=143.1.
DDA Event type ke.
ISK Event type ke.

ISC	**IX**	**20 15 45 26.4–1.2**	**35.32N–.03**	**27.83E–.02**	**11–8**	**3.8b,3.6s**	**139**	**1-88**
DDA	IX	20 15 45 21.2	35.09N	27.80E	13	3.8L,3.6s		**¶601738113**
ISCJB	IX	20 15 45 24.3–.80	35.24N–.03	27.91E–.02	2–5	3.6b,3.4s		
ISK	IX	20 15 45 24.7	35.25N	27.83E	5–0	3.8L,3.4s		
IDC	IX	20 15 45 24.4–.94	35.30N	27.80E	0	3.9,3.8b		
THE	IX	20 15 45 28.8	35.49N	27.81E	0–3	3.4L,3.8b		
ATH	IX	20 15 45 28.9	35.56N	27.66E	16–1	3.2L,3.8b		
NIC	IX	20 15 45 28.1–.20	35.77N	28.16E	12	4.2b,3.8L		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=3.7.
ISK Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=14.3km az=174.0.
THE Event type ke. Error ellipse: s-maj=8.6km s-min=2.3km az=140.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=133.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**20 18 47 13.3–1.1**	**35.33N–.03**	**27.91E–.02**	**11–7**	**3.9b,3.6s**	**282**	**1-78**
HLW	IX	20 18 47 03.6	36.15N	27.67E	12–14	4.2,4.0L		**¶601734538**
DDA	IX	20 18 47 09.8	35.06N	27.90E	17	3.9L,4.0L		
ISK	IX	20 18 47 12.3	35.17N	27.81E	8–0	4.1L,4.0L		
ISCJB	IX	20 18 47 13.7–.58	35.18N–.01	27.92E–.01	20–5	3.8b,3.5s		
ATH	IX	20 18 47 14.0	35.36N	27.85E	17–1	3.7L,3.5s		
GII	IX	20 18 47 15.3–.34	35.38N	27.89E	40	4.2b,4.0		
NIC	IX	20 18 47 15.8–.30	35.84N	28.00E	45	4.4b,4.0L		
THE	IX	20 18 47 16.1	35.43N	27.79E	0–1	3.7L,4.0L		
IDC	IX	20 18 47 17.3–1.4	35.33N	27.76E	42–15	3.8,3.8		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=30.9.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=330.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=1.6km az=143.0.
IDC Error ellipse: s-maj=15.5km s-min=11.1km az=5.0.

ISC	**IX**	**21 14 48 35.4–1.2**	**36.17N–.03**	**28.62E–.02**	**57–8**		**103**	**0-7**
ISCJB	IX	21 14 48 34.4–.27	36.14N–.03	28.63E–.02	65–6			**¶602030643**
ATH	IX	21 14 48 34.8	36.23N	28.59E	63–3	3.0L		
ISK	IX	21 14 48 35.3	36.16N	28.64E	31–0	3.2L		
DDA	IX	21 14 48 36.0	36.26N	28.59E	50	3.5L		
NIC	IX	21 14 48 36.2–.20	36.53N	28.97E	36	4.0b,3.4L		
HLW	IX	21 14 48 36.2	36.01N	28.65E	33–21	3.8L,3.4L		
THE	IX	21 14 48 37.3	36.27N	28.53E	51–1	3.0L,3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=2.2.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=106.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=104.0.

ISC	**IX**	**21 23 52 46.3–1.2**	**37.83N–.06**	**26.71E–.06**	**10**		**19**	**0-1**
ISCJB	IX	21 23 52 47.2–.86	37.88N–.04	26.73E–.06	10			**¶602078394**
ISK	IX	21 23 52 47.6	37.92N	26.82E	21–0	2.1L		
DDA	IX	21 23 52 47.4	37.89N	26.75E	7	2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=139.7.
ISK Event type ke.
DDA Event type ke.

ISC	**IX**	**22 03 51 10.0–.89**	**35.14N–.03**	**27.04E–.02**	**30–6**	**4.2b**	**307**	**0-84**
ISK	IX	22 03 51 05.8	34.98N	26.91E	8–0	4.0L		**¶601736491**
ISCJB	IX	22 03 51 09.6–.21	35.04N–.02	27.14E–.02	42–3	4.6s,4.2b		
NEIC	IX	22 03 51 10.9–.00	35.20N	27.01E	4	4.3b,4.2L		
IDC	IX	22 03 51 10.6–1.9	35.26N	26.94E	34–15	4.2s,4.2		
GII	IX	22 03 51 10.4–.44	35.02N	27.04E	49	4.2s,4.2		
THE	IX	22 03 51 10.9	35.20N	27.01E	4–1	4.2L,4.2		
ATH	IX	22 03 51 10.9	35.28N	26.94E	26–1	4.0L,4.2		
MOS	IX	22 03 51 11.6–1.4	35.22N	27.05E	58	4.3b,4.2		
HLW	IX	22 03 51 11.6	34.90N	27.27E	11–14	4.3L,4.2		
NIC	IX	22 03 51 13.2–.30	35.61N	27.41E	86	4.3b,3.8L		
DDA	IX	22 03 51 49.6	35.18N	27.08E	34	4.2L,3.8L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=11.9.
NEIC Event type se. After THE.
IDC Error ellipse: s-maj=13.9km s-min=9.4km az=159.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=327.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=149.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=7.8km s-min=4.8km az=70.1.
DDA Event type ke.

ISC	**IX**	**23 10 03 28.3–.97**	**37.88N–.03**	**26.70E–.06**	**14–9**		**16**	**0-1**
ATH	IX	23 10 03 27.2	37.85N	26.75E	26–1	2.7L		**¶603000648**
ISCJB	IX	23 10 03 28.4–.56	37.87N–.03	26.68E–.08	8–8	2.7L		
DDA	IX	23 10 03 28.2	37.88N	26.69E	7	2.8L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=81.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.2km az=5.0.
DDA Event type ke.

ISC	**IX**	**23 10 08 01.6–1.3**	**37.87N–.05**	**26.67E–.05**	**13–10**		**24**	**0-1**
ISCJB	IX	23 10 08 01.3–.77	37.84N–.04	26.65E–.05	1–9			**¶602078468**
ISK	IX	23 10 08 01.3	37.88N	26.69E	15–0	2.3L		
DDA	IX	23 10 08 02.1	37.88N	26.71E	7	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=137.2.
ISK Event type ke.
DDA Event type ke.

ISC	**IX**	**25 18 04 58.9–.83**	**37.88N–.02**	**26.72E–.02**	**15–6**		**61**	**0-2**
ATH	IX	25 18 04 57.7	37.85N	26.75E	27–1	2.4L		**¶602030970**
ISCJB	IX	25 18 04 59.0–.38	37.88N–.02	26.70E–.03	7–3	2.4L		
THE	IX	25 18 04 58.8	37.87N	26.67E	0–1	2.2L		
ISK	IX	25 18 04 58.6	37.89N	26.72E	3–0	2.6L		
DDA	IX	25 18 04 59.3	37.92N	26.74E	11	2.6		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=79.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=156.6.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=41.0.
ISK Event type ke.
DDA Event type ke.

ISC	**IX**	**25 20 27 27.7–.93**	**37.88N–.03**	**26.71E–.03**	**17–7**		**36**	**0-2**
ISCJB	IX	25 20 27 27.5–.47	37.86N–.02	26.67E–.03	4–5			**¶602078584**
ATH	IX	25 20 27 27.4	37.83N	26.66E	20–2	2.1L		
DDA	IX	25 20 27 27.6	37.88N	26.72E	7	2.5		
ISK	IX	25 20 27 27.7	37.89N	26.71E	8–0	2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=150.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=132.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.

ISC	**IX**	**26 00 08 33.4–.98**	**36.42N–.03**	**28.88E–.02**	**24–8**		**77**	**0-4**
ATH	IX	26 00 08 32.9	36.44N	28.87E	42–2	2.2L		**¶602031005**
ISCJB	IX	26 00 08 33.8–.41	36.43N–.03	28.86E–.03	30–3	2.2L		
ISK	IX	26 00 08 33.2	36.45N	28.86E	24–0	2.9L		
THE	IX	26 00 08 34.1	36.42N	28.89E	17–1	2.4L		
DDA	IX	26 00 08 34.7	36.55N	28.86E	7	2.9L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=165.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=161.1.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=83.0.
DDA Event type ke.

ISC	**IX**	**26 17 18 46.8–.94**	**37.88N–.02**	**26.68E–.03**	**12–7**		**44**	**0-2**
ISK	IX	26 17 18 45.7	37.88N	26.69E	2–0	2.4L		**¶602078646**
ISCJB	IX	26 17 18 46.5–.47	37.87N–.02	26.66E–.03	2–5	2.4L		
ATH	IX	26 17 18 46.0	37.85N	26.77E	26–3	2.2L		
DDA	IX	26 17 18 46.9	37.91N	26.65E	7	2.6L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=167.8.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.4km az=64.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC	**IX**	**28 20 14 40.6–1.0**	**36.03N–.02**	**27.40E–.02**	**12–8**	**3.5b**	**106**	**1-43**
DDA	IX	28 20 14 38.7	35.93N	27.39E	23	3.5L		**¶601864365**
IDC	IX	28 20 14 39.1–1.5	36.40N	27.06E	0	3.6b,3.5		
ISK	IX	28 20 14 40.1	36.03N	27.37E	10–0	3.2L,3.5		
THE	IX	28 20 14 40.7	36.04N	27.42E	2–2	3.1L,3.5		
ATH	IX	28 20 14 40.5	36.05N	27.36E	24–1	3.1L,3.5		
ISCJB	IX	28 20 14 40.6–.49	36.05N–.02	27.35E–.03	8–4	3.4b,3.5		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
THE Event type ke.
ATH Event type ke. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke.

ISC	**IX**	**29 02 39 33.5–.76**	**35.25N–.03**	**27.84E–.02**	**14–4**	**4.3b,3.6s**	**652**	**1-98**
DDA	IX	29 02 39 29.7	35.04N	27.69E	28	4.1L,3.6s		**¶601767097**
ISCJB	IX	29 02 39 31.7–.44	35.21N–.01	27.90E–.01	11–3	4.3b,3.7s		
GII	IX	29 02 39 31.3–.00	35.27N	27.90E	1–0	4.1b,3.9		
ISK	IX	29 02 39 31.4	35.31N	27.80E	5–0	4.3L,3.9		
IDC	IX	29 02 39 31.2–.63	35.36N	27.74E	0	4.2,4.1		
HLW	IX	29 02 39 31.4	35.33N	27.89E	0–9	4.3L,4.1		
ATH	IX	29 02 39 33.1	35.41N	27.87E	17–1	3.9L,4.1		
NIC	IX	29 02 39 35.6–.20	34.69N	27.88E	39	4.5b,4.1L		
MOS	IX	29 02 39 35.3–1.3	35.32N	27.82E	36	4.5b,4.1L		
NEIC	IX	29 02 39 35.1–.00	35.41N	27.82E	0	4.2L,4.2b		
THE	IX	29 02 39 35.1	35.41N	27.82E	0–0	4.2L,4.2b		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=27.5.
GII Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=10.6km az=171.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=328.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=102.9.
NEIC Event type se. After THE.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=148.0.

ISC	**IX**	**29 03 26 59.6–1.2**	**35.39N–.04**	**27.89E–.03**	**12–8**	**3.4b**	**89**	**1-42**
IDC	IX	29 03 26 57.0–1.2	35.29N	27.94E	0	3.5b,3.5		**¶601857478**
ISK	IX	29 03 26 58.5	35.37N	27.79E	5–0	3.2L,3.5		

ISCJB IX 29 03 26 59.8–.89 35.37N–.04 27.90E–.03 9–5 3.3b,3.5
ATH IX 29 03 27 00.3 35.48N 27.85E 17–2 3.0L,3.5
THE IX 29 03 27 02.3 35.56N 27.90E 0–0 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=15.8km az=165.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=157.1.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.6km az=330.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=136.0.
ISC IX 29 05 25 42.4–.69 35.28N–.03 27.84E–.02 9–4 4.5b,3.7s 619 1-116
BJI IX 29 05 25 36.3 34.80N 27.33E 10 5.1b,4.6b **¶601767106**
HLW IX 29 05 25 39.5 35.48N 27.75E 7–20 4.4L,4.6b
ISK IX 29 05 25 40.9 35.28N 27.82E 4–0 4.3L,4.6b
DDA IX 29 05 25 40.9 35.27N 27.88E 20 4.1L,4.6b
ATH IX 29 05 25 42.1 35.37N 27.86E 17–1 4.2L,4.6b
NIC IX 29 05 25 42.6–.40 35.44N 27.73E 38 4.7b,4.4L
NEIC IX 29 05 25 42.0–.00 35.37N 27.86E 17 4.6b,4.4L
ISCJB IX 29 05 25 42.3–.46 35.19N–.01 27.91E–.01 25–4 4.5b,3.7s
MOS IX 29 05 25 43.3–1.2 35.39N 27.85E 21 4.5b,3.7s
GII IX 29 05 25 44.4–.00 35.19N 27.88E 30 4.4b,4.2
THE IX 29 05 25 44.2 35.44N 27.87E 0–0 4.4L,4.2
IDC IX 29 05 25 44.1–5.3 35.46N 27.77E 18–33 4.2,4.2
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=328.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=28.3.
MOS Error ellipse: s-maj=5.4km s-min=3.7km az=103.8.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=140.0.
IDC Error ellipse: s-maj=14.1km s-min=9.7km az=161.0.
ISC IX 29 12 58 21.4–1.3 35.99N–.03 27.46E–.03 18–13 26 1-2
ISK IX 29 12 58 21.7 36.00N 27.43E 12–0 2.4L **¶602078791**
ISCJB IX 29 12 58 22.4–.62 36.01N–.03 27.41E–.05 5–6 2.4L
ATH IX 29 12 58 22.5 36.01N 27.40E 22–3 2.3L
DDA IX 29 12 58 51.9 35.64N 27.10E 5 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=33.9.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.3km az=144.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC X 03 06 19 43.5–1.4 37.84N–.04 26.68E–.04 2–21 16 0-1
DDA X 03 06 19 42.1 37.82N 26.66E 6 2.5L **¶602078988**
ISCJB X 03 06 19 43.3–.80 37.87N–.04 26.73E–.05 15–7 2.5L
ISK X 03 06 19 43.8 37.89N 26.74E 13–1 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.5km az=43.1.
ISK Event type ke.
ISC X 03 09 33 13.2–1.3 35.24N–.06 27.15E–.04 17–9 41 0-3
ISCJB X 03 09 33 12.7–1.2 35.19N–.06 27.15E–.05 4–7 **¶603001084**
THE X 03 09 33 12.4 35.21N 27.19E 0–1 2.3L
ATH X 03 09 33 12.8 35.23N 27.14E 22–2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=151.5.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=141.0.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.4km az=320.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 03 17 00 16.6–1.2 37.09N–.03 26.80E–.02 12–10 36 0-1
DDA X 03 17 00 15.9 37.05N 26.76E 7 2.6L **¶602079028**
ISCJB X 03 17 00 16.8–.51 37.06N–.03 26.78E–.03 8–5 2.6L
ATH X 03 17 00 16.5 37.10N 26.76E 29–1 1.9L
ISK X 03 17 00 17.2 37.11N 26.78E 8–0 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=167.8.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=115.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISC X 03 22 32 11.7–.63 36.63N–.03 26.95E–.04 144–5 3.6b 164 0-57
ISCJB X 03 22 32 11.2–.21 36.60N–.02 26.99E–.02 151–2 3.6b **¶601781872**
IDC X 03 22 32 11.8–.80 36.65N 26.87E 140–12 3.9,3.5
ATH X 03 22 32 12.9 36.64N 26.88E 138–8 3.6L,3.5
ISK X 03 22 32 14.8 36.72N 26.89E 111–4 3.7L,3.5
GII X 03 22 32 14.8–.00 36.35N 27.32E 20 3.7L,3.5
THE X 03 22 32 16.8 36.73N 26.90E 115–6 3.8L,3.5
HLW X 03 22 32 22.9 35.57N 27.34E 10–16 4.4L,3.5
DDA X 03 22 32 53.0 36.96N 27.16E 87 3.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=177.9.
IDC Error ellipse: s-maj=18.0km s-min=9.8km az=160.0.
ATH Event type ke. Error ellipse: s-maj=8.2km s-min=2.4km az=65.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=1.2km az=106.0.
DDA Event type ke.
ISC X 04 04 11 49.9–.93 37.87N–.02 26.68E–.03 13–7 36 0-2
ISK X 04 04 11 48.4 37.84N 26.61E 5–1 2.0L **¶602079045**
ATH X 04 04 11 49.2 37.87N 26.77E 25–1 1.8L
DDA X 04 04 11 49.8 37.86N 26.67E 7 2.6L
ISCJB X 04 04 11 50.1–.49 37.85N–.02 26.66E–.03 6–5 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISCJB Event type ke.
ISC X 04 13 56 29.7–2.1 35.12N–.09 27.89E–.06 0–14 32 1-3
ISK X 04 13 56 26.7 34.98N 27.98E 5–0 3.6L **¶602079063**
ATH X 04 13 56 30.4 35.01N 27.81E 14–4 2.9L
THE X 04 13 56 34.1 35.34N 27.70E 0–3 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.9km az=325.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=1.3km az=162.0.
ISC X 04 14 50 06.1–1.6 35.03N–.05 27.93E–.04 16–10 3.9b 64 1-77
ATH X 04 14 49 56.2 34.65N 28.56E 17–2 3.6L **¶601997043**
IDC X 04 14 50 03.6–.94 34.97N 27.97E 0 4.0b,3.9
ISCJB X 04 14 50 06.1–1.7 34.91N–.05 28.01E–.04 32–15 3.8b,3.9
THE X 04 14 50 10.5 35.38N 27.68E 0–2 3.1L,3.9
ISK X 04 14 50 10.0 35.35N 28.10E 10–0 3.4L,3.9
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=2.2km az=133.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=20.6km s-min=12.2km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=161.6.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=142.0.
ISK Event type ke.
ISC X 05 00 13 59.9–.62 35.03N–.06 27.90E–.04 10 3.9b 61 2-88
ISCJB X 05 00 13 57.5–.52 34.94N–.05 27.95E–.05 10 4.9s,3.9b **¶601833139**
IDC X 05 00 13 57.9–.96 35.11N 27.86E 0 3.9,3.9b
NEIC X 05 00 14 00.1–.90 35.06N 27.98E 10 4.1b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=38.3.
IDC Error ellipse: s-maj=19.4km s-min=15.7km az=7.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.0km az=41.0.
ISC X 06 08 51 12.0–1.7 35.39N–.06 27.84E–.05 9–10 40 1-3
ATH X 06 08 51 10.8 35.33N 27.86E 11–3 2.8L **¶603001241**
THE X 06 08 51 12.7 35.43N 27.78E 0–1 2.9L
DDA X 06 08 51 51.6 35.53N 27.89E 11 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.9km az=318.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.1km az=137.0.
DDA Event type ke.
ISC X 06 10 41 52.1–1.1 35.38N–.03 27.84E–.02 16–7 4.0b 198 1-116
IDC X 06 10 41 49.6–.79 35.43N 27.83E 0 4.0,4.0b **¶601794193**
GII X 06 10 41 50.1–.00 35.42N 27.94E 10 4.0,4.0b
ISCJB X 06 10 41 51.1–.62 35.27N–.02 27.93E–.02 20–5 3.8b,3.3s
ISK X 06 10 41 51.9 35.41N 27.79E 13–0 3.9L,3.3s
ATH X 06 10 41 52.5 35.46N 27.81E 22–1 3.7L,3.3s
THE X 06 10 41 52.3 35.41N 27.85E 0–0 3.7L,3.3s
DDA X 06 10 41 55.6 35.62N 27.92E 29 3.4L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=12.6km az=174.0.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=12.1.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=324.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=146.0.
DDA Event type ke.
ISC X 06 16 38 35.1–1.7 35.36N–.08 27.80E–.07 10 19 1-3
ISK X 06 16 38 34.9 35.33N 27.85E 11–0 2.6L **¶602079202**
ISCJB X 06 16 38 35.6–1.1 35.36N–.07 27.77E–.07 10 2.6L
ATH X 06 16 38 37.3 35.52N 27.62E 28–3 2.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.9km az=142.7.
ATH Event type ke. Error ellipse: s-maj=11.1km s-min=1.4km az=325.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 08 10 07 34.1–1.2 35.38N–.05 27.33E–.03 15–7 60 0-5
ATH X 08 10 07 33.9 35.40N 27.28E 22–1 2.7L **¶602079288**
ISCJB X 08 10 07 34.4–.94 35.39N–.05 27.33E–.04 11–5 2.7L
THE X 08 10 07 34.2 35.34N 27.34E 0–2 2.7L
ISK X 08 10 07 37.1 35.61N 27.25E 10–0 2.4L
DDA X 08 10 08 38.4 36.03N 26.78E 4 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=137.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.9km az=148.2.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.4km az=112.0.
ISK Event type ke.
DDA Event type ke.
ISC X 08 12 09 11.5–1.2 36.55N–.03 28.31E–.02 1–11 41 0-1
DDA X 08 12 09 12.0 36.53N 28.32E 7 2.4L **¶602079292**
THE X 08 12 09 11.6 36.53N 28.32E 1–1 2.5L
ISK X 08 12 09 11.5 36.53N 28.33E 8–0 2.7L
ISC Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=108.0.
ISK Event type ke.
ISC X 08 12 19 19.6–1.2 36.52N–.03 28.29E–.03 3–11 41 0-5
ATH X 08 12 19 18.3 36.53N 28.48E 23–2 2.7L **¶602079294**
ISK X 08 12 19 19.7 36.54N 28.29E 14–0 2.7L
ISCJB X 08 12 19 20.3–.49 36.56N–.03 28.29E–.04 7–5 2.7L
DDA X 08 12 19 20.2 36.53N 28.30E 7 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.9km az=253.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=37.8.
DDA Event type ke.
ISC X 08 20 38 00.4–1.0 36.80N–.03 26.61E–.02 12–10 33 0-2
ATH X 08 20 37 59.5 36.81N 26.61E 28–2 2.0L **¶602079320**
ISK X 08 20 38 00.7 36.80N 26.58E 11–0 2.2L
ISCJB X 08 20 38 01.2–.42 36.78N–.04 26.59E–.03 22–7 2.2L
DDA X 08 20 38 02.7 36.99N 26.65E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=5.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=167.2.
DDA Event type ke.
ISC X 08 22 39 29.0–1.0 36.09N–.02 25.12E–.02 11–9 135 0-3
ATH X 08 22 39 28.7 36.07N 25.11E 27–1 2.8L **¶602079321**
ISK X 08 22 39 28.6 36.09N 25.09E 10–0 2.7L
ISCJB X 08 22 39 29.3–.35 36.09N–.02 25.09E–.02 11–3 2.7L
THE X 08 22 39 29.6 36.09N 25.09E 10–1 2.8L
DDA X 08 22 40 27.4 35.89N 25.12E 48 3.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=85.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=13.4.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=66.0.
DDA Event type ke.
ISC X 09 00 41 01.8–.72 35.30N–.03 27.69E–.02 19–2 4.1b,3.4s 317 0-93
IDC X 09 00 40 58.6–.77 35.44N 27.68E 0 4.0,4.0 **¶601795704**
ISK X 09 00 40 59.4 35.31N 27.76E 4–0 4.0L,4.0
ISCJB X 09 00 41 00.5–.55 35.18N–.02 27.78E–.02 21–5 4.1b,3.5s
NIC X 09 00 41 00.1–.20 35.60N 27.52E 25 4.7b,4.4L
GII X 09 00 41 01.2–.00 35.41N 27.86E 20 4.7b,4.4L
ATH X 09 00 41 01.1 35.37N 27.72E 21–1 3.9L,4.4L
NEIC X 09 00 41 01.1–.00 35.37N 27.72E 21 4.2b,3.9L
THE X 09 00 41 02.4 35.41N 27.71E 0–1 3.9L,3.9L
HLW X 09 00 41 03.9 35.21N 27.85E 33–25 4.0L,3.9L
DDA X 09 00 41 28.3 35.09N 27.60E 45 3.9L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=11.8km az=8.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=29.4.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=326.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=151.0.
DDA Event type ke.
ISC X 09 04 28 22.6–1.1 36.83N–.04 26.61E–.03 25–13 32 0-2
ATH X 09 04 28 21.7 36.87N 26.58E 28–2 2.0L **¶602079333**
ISK X 09 04 28 22.1 36.84N 26.59E 8–0 2.3L
ISCJB X 09 04 28 23.3–.41 36.84N–.03 26.57E–.03 19–7 2.3L
DDA X 09 04 29 01.6 36.92N 26.64E 12 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=19.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=177.8.
DDA Event type ke.
ISC X 12 11 02 22.1–.83 37.87N–.02 26.70E–.02 16–6 57 0-2
ISCJB X 12 11 02 22.0–.47 37.84N–.02 26.67E–.03 1–5 **¶602079541**
ATH X 12 11 02 21.9 37.78N 26.62E 18–2 2.1L
ISK X 12 11 02 21.4 37.88N 26.71E 5–0 2.1L
DDA X 12 11 02 22.4 37.88N 26.70E 7 2.5L
THE X 12 11 02 23.2 37.81N 26.61E 3–3 2.0L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=153.1.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.0km az=54.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=118.0.

ISC X 13 09 38 31.8–1.1 37.89N–.03 26.73E–.04 15–10 20 0-1
ISCJB X 13 09 38 31.7–.71 37.87N–.04 26.73E–.06 8–10 **¶602079599**
DDA X 13 09 38 31.1 37.87N 26.69E 7 2.6L
ISK X 13 09 38 31.6 37.89N 26.74E 10–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.9km az=136.6.
DDA Event type ke.
ISK Event type ke.

ISK X 14 05 15 28.1 36.73N 27.46E 7–6 1.4L
¶602079646
ISK Event type ke.

ISC X 14 14 09 49.0–1.5 35.27N–.06 27.09E–.05 8–11 40 0-3
ATH X 14 14 09 47.9 35.20N 27.20E 22–1 2.5L **¶602079661**
THE X 14 14 09 48.9 35.26N 27.06E 0–3 2.3L
ISCJB X 14 14 09 50.6–1.0 35.29N–.07 27.11E–.06 17–7 2.3L
ISK X 14 14 09 51.9 35.49N 27.01E 8–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.4km az=327.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=7.7km s-min=1.0km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=4.4km az=144.9.
ISK Event type ke.

ISC X 15 21 26 32.0–1.7 35.34N–.07 27.92E–.05 6–13 28 1-2
ISK X 15 21 26 30.8 35.30N 27.89E 9–0 2.1L **¶602079727**
ATH X 15 21 26 32.0 35.42N 27.93E 11–4 1.8L
DDA X 15 21 27 27.7 35.04N 27.63E 24 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=1.8km az=345.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC X 18 19 33 40.4–1.3 35.63N–.08 27.46E–.06 17–9 20 0-2
DDA X 18 19 33 36.6 35.52N 27.50E 7 2.6L **¶603001820**
ATH X 18 19 33 39.8 35.84N 27.25E 14–3 2.3L
ISCJB X 18 19 33 40.0–1.1 35.58N–.07 27.49E–.06 13–6 2.3L
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke.

ISC X 19 12 22 38.0–1.8 36.36N–.05 26.84E–.05 100–16 36 1-4
ATH X 19 12 22 37.7 36.38N 26.77E 98–13 2.7L **¶602080033**
ISCJB X 19 12 22 38.1–.96 36.38N–.06 26.80E–.06 94–14 2.7L
THE X 19 12 22 40.1 36.34N 26.77E 99–6 2.6L
ISK X 19 12 22 40.8 36.33N 27.00E 23–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=13.8km s-min=1.7km az=113.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.3km az=142.3.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=1.0km az=98.0.
ISK Event type ke.

ISC X 20 01 09 39.0–1.1 36.53N–.02 28.29E–.02 1–7 4.0b,3.2s 224 0-79
GII X 20 01 09 37.5–.00 36.55N 28.22E 3 3.7,3.2s **¶601839317**
ISCJB X 20 01 09 38.8–.43 36.42N–.02 28.30E–.02 7–3 3.8b,3.2s
ISK X 20 01 09 39.7 36.55N 28.24E 3–0 4.1L,3.2s
THE X 20 01 09 39.7 36.53N 28.30E 0–0 3.9L,3.2s
DDA X 20 01 09 39.9 36.52N 28.27E 8 3.9L,3.2s
IDC X 20 01 09 39.1–.63 36.49N 28.27E 0 4.0,4.0b
ATH X 20 01 09 39.8 36.54N 28.30E 27–1 3.9L,4.0b
HLW X 20 01 09 41.1 36.42N 28.39E 11–14 4.1,4.1L
NIC X 20 01 09 43.0–.20 36.21N 28.40E 5 4.4b,4.0L
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=23.6.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.4km az=36.0.
DDA Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=12.7km az=149.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=224.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC X 20 03 08 08.2–1.4 36.26N–.07 28.72E–.04 28–15 17 0-2
ATH X 20 03 08 05.7 36.20N 28.66E 57–11 1.9L **¶603001899**
DDA X 20 03 08 07.4 36.29N 28.76E 7 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=41.9km s-min=1.8km az=183.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC X 20 22 04 50.5–.89 36.52N–.03 28.21E–.03 12–7 46 0-3
DDA X 20 22 04 50.4 36.47N 28.20E 16 3.1L **¶602080104**
ISK X 20 22 04 50.7 36.56N 28.30E 7–0 2.7L
ISCJB X 20 22 04 51.3–.48 36.55N–.03 28.25E–.03 7–5 2.7L
ATH X 20 22 04 51.2 36.50N 28.25E 27–2 2.8L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=165.7.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=207.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC X 22 18 48 59.2–1.2 36.27N–.04 28.92E–.03 17–8 64 0-4
ATH X 22 18 48 57.6 36.28N 29.02E 39–2 2.9L **¶602080188**
ISK X 22 18 48 58.9 36.29N 28.96E 22–0 3.1L
ISCJB X 22 18 48 59.0–.75 36.21N–.04 28.93E–.04 24–5 3.1L
THE X 22 18 48 59.0 36.26N 28.98E 10–1 2.7L
DDA X 22 18 48 59.0 36.30N 28.90E 7 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=104.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=139.3.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=128.0.
DDA Event type ke.

ISC X 24 07 12 42.7–1.2 36.04N–.03 27.29E–.02 12–10 49 0-2
ISK X 24 07 12 42.9 36.06N 27.26E 13–0 2.6L **¶602080249**
ISCJB X 24 07 12 43.3–.55 36.02N–.02 27.26E–.03 5–4 2.6L
ATH X 24 07 12 43.3 35.99N 27.30E 31–2 2.3L
DDA X 24 07 12 44.8 36.04N 27.37E 26 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=135.5.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=99.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC X 25 10 43 40.5–1.3 36.23N–.04 26.69E–.03 105–10 58 1-9
ISCJB X 25 10 43 40.0–.55 36.24N–.03 26.68E–.04 112–7 **¶602080309**
ATH X 25 10 43 40.8 36.29N 26.68E 100–5 2.8L
DDA X 25 10 43 40.8 36.25N 26.64E 45 3.3L
ISK X 25 10 43 41.2 36.37N 26.62E 22–0 2.9L
HLW X 25 10 43 42.5 35.95N 27.00E 50–43 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=146.2.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.8km az=33.0. Analyst: A. Ganas ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.

ATH X 26 09 39 21.9 35.44N 27.78E 18–2 2.5L
¶603911578
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.5km az=327.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC X 26 09 50 41.7–1.0 37.95N–.04 26.83E–.04 13–6 25 0-2
ISCJB X 26 09 50 41.7–.71 37.94N–.04 26.82E–.05 9–5 **¶602080365**
DDA X 26 09 50 41.6 37.95N 26.81E 6 2.6L
ISK X 26 09 50 41.5 37.94N 26.83E 9–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=41.5.
DDA Event type ke.
ISK Event type ke.

ISC X 27 10 23 41.9–1.2 36.63N–.03 28.19E–.03 62–7 102 0-8
HLW X 27 10 23 39.5 36.73N 28.29E 51–27 4.2L **¶602080403**
ISCJB X 27 10 23 40.8–.28 36.62N–.02 28.19E–.03 76–3 4.2L
ISK X 27 10 23 41.7 36.67N 28.16E 65–1 3.1L
DDA X 27 10 23 42.4 36.77N 28.15E 58 3.4L
THE X 27 10 23 43.2 36.69N 28.15E 70–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=160.4.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=85.0.

ISC X 29 07 25 40.1–1.2 36.26N–.03 28.47E–.03 59–7 86 0-9
ISCJB X 29 07 25 39.4–.31 36.25N–.03 28.48E–.03 66–6 **¶601861569**
ISK X 29 07 25 39.9 36.22N 28.47E 23–0 3.0L
HLW X 29 07 25 40.4 36.19N 28.48E 33–55 3.6L
NIC X 29 07 25 40.7–.30 36.25N 28.53E 50 3.4L
THE X 29 07 25 41.8 36.31N 28.47E 52–3 3.0L
ATH X 29 07 25 41.4 36.38N 28.31E 53–2 3.0L
DDA X 29 07 26 33.8 36.28N 28.43E 46 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=168.7.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=140.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.8km az=95.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC X 29 08 56 36.5–1.2 36.55N–.02 28.27E–.02 1–10 49 0-2
THE X 29 08 56 35.8 36.53N 28.32E 0–1 2.7L **¶602080459**
ISK X 29 08 56 35.6 36.50N 28.26E 7–0 2.9L
DDA X 29 08 56 37.4 36.57N 28.30E 8 3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=116.0.
ISK Event type ke.
DDA Event type ke.

ISC X 30 08 09 24.9–.59 36.62N–.03 26.46E–.03 145–5 4.1b 410 1-75
HLW X 30 08 09 19.9 36.88N 26.65E 17–32 4.7L,4.4 **¶602000454**
GII X 30 08 09 24.1–1.1 36.56N 26.46E 125 4.7L,4.4
IDC X 30 08 09 24.4–.85 36.63N 26.42E 143–14 4.1,3.7
ISK X 30 08 09 24.8 36.55N 26.15E 15–1 3.3L,3.7
ATH X 30 08 09 24.7 36.64N 26.45E 150–2 3.9L,3.7
NEIC X 30 08 09 24.7–.00 36.64N 26.45E 150 4.2L,4.1b
ISCJB X 30 08 09 24.2–.13 36.58N–.02 26.48E–.01 153–1 4.2b,4.1b
THE X 30 08 09 27.4 36.62N 26.45E 162–2 4.2L,4.1b
NIC X 30 08 09 29.1–.40 36.28N 27.04E 150 4.4b,3.9L
DDA X 30 08 09 29.7 36.65N 26.57E 45 3.9L,3.9L
ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=11.6km az=169.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=118.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=16.8.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=36.0.
DDA Event type ke.

ISC XI 03 22 41 23.7–.84 37.77N–.02 26.94E–.02 10–6 54 0-2
ATH XI 03 22 41 23.0 37.77N 26.94E 17–1 2.3L **¶602080738**
ISCJB XI 03 22 41 24.2–.35 37.76N–.02 26.94E–.03 8–3 2.3L
THE XI 03 22 41 24.6 37.68N 26.84E 8–0 2.1L
ISK XI 03 22 41 24.4 37.79N 26.98E 8–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=264.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=160.7.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=69.0.
ISK Event type ke.

ISC XI 03 22 49 52.6–.83 37.75N–.02 26.94E–.03 11–6 58 0-2
ATH XI 03 22 49 50.4 37.77N 27.02E 19–2 2.3L **¶602080740**
ISCJB XI 03 22 49 52.4–.35 37.76N–.02 26.95E–.03 7–3 2.3L
THE XI 03 22 49 52.3 37.77N 26.97E 3–2 2.2L
DDA XI 03 22 49 52.8 37.74N 27.02E 24 2.4L
ISK XI 03 22 49 52.2 37.76N 26.96E 6–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.4km az=272.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=155.4.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=216.0.
DDA Event type ke.
ISK Event type ke.

ISC XI 04 03 00 35.1–.85 37.73N–.02 26.92E–.02 14–6 55 0-2
ATH XI 04 03 00 34.0 37.78N 27.01E 10–1 2.3L **¶602080762**
DDA XI 04 03 00 34.9 37.73N 26.91E 5 2.6L
ISK XI 04 03 00 34.3 37.73N 26.90E 17–0 2.4L
IASPE XI 04 03 00 35.0–.85 37.73N–.02 26.92E–.03 16–6 2.4L
ISCJB XI 04 03 00 35.4–.36 37.74N–.02 26.94E–.03 8–3 2.4L
ISC Event type ke.
ATH Event type ke. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke.

ISC XI 04 05 06 01.4–.82 37.74N–.02 26.93E–.02 11–5 48 0-2
ISK XI 04 05 06 00.5 37.75N 26.90E 7–0 2.3L **¶602080769**
ISCJB XI 04 05 06 01.4–.39 37.76N–.02 26.96E–.03 7–4 2.3L
DDA XI 04 05 06 01.7 37.75N 26.94E 7 2.6L
ATH XI 04 05 06 01.1 37.76N 26.95E 9–2 2.2L
THE XI 04 05 06 01.0 37.75N 26.97E 1–0 1.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=143.5.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.3km az=266.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=75.0.

ISC XI 04 06 42 56.7–.80 37.73N–.02 26.88E–.02 12–4 59 0-2
ISK XI 04 06 42 55.0 37.72N 26.86E 7–0 2.9L **¶602080776**
IASPE XI 04 06 42 56.3–.82 37.73N–.02 26.90E–.02 13–5 2.9L
ATH XI 04 06 42 56.3 37.73N 26.89E 15–1 2.5L
DDA XI 04 06 42 56.2 37.74N 26.86E 6 3.0L
THE XI 04 06 42 56.4 37.72N 26.94E 7–1 2.5L
ISCJB XI 04 06 42 56.3–.36 37.73N–.02 26.93E–.03 8–3 2.5L
ISC Event type ke.
ISK Event type ke.

IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bond˜¡r and McLaughlin (2009) selection criteria. Bond˜¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ATH Event type ke. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**XI**	**05 10 12 27.7–.88**	**37.75N–.02**	**26.93E–.03**	**12–6**		**39**	**0-2**
ISK	XI	05 10 12 26.9	37.76N	26.91E	6–0	2.6L		**¶602080857**
ISCJB	XI	05 10 12 27.4–.38	37.77N–.02	26.96E–.03	8–4	2.6L		
DDA	XI	05 10 12 28.0	37.79N	26.95E	7	2.5L		
ATH	XI	05 10 12 28.4	37.74N	26.86E	10–2	2.2L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=140.0.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.3km az=97.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**05 16 06 06.1–.94**	**37.77N–.02**	**26.99E–.03**	**10–7**		**41**	**0-2**
THE	XI	05 16 06 05.9	37.78N	26.99E	0–0	2.4L		**¶602080873**
ATH	XI	05 16 06 05.6	37.75N	27.01E	10–2	2.5L		
ISK	XI	05 16 06 05.8	37.74N	26.87E	8–0	2.6L		
ISCJB	XI	05 16 06 06.4–.43	37.77N–.02	26.98E–.04	7–4	2.6L		

ISC Event type ke.
THE Event type ke.
ATH Event type ke. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke.

ISC	**XI**	**05 18 12 12.2–.89**	**37.75N–.02**	**26.93E–.03**	**12–6**		**34**	**0-2**
ISK	XI	05 18 12 11.7	37.75N	26.91E	10–0	2.7L		**¶602080880**
ISCJB	XI	05 18 12 12.1–.42	37.77N–.02	26.96E–.04	7–4	2.7L		
ATH	XI	05 18 12 12.6	37.77N	26.90E	10–2	2.4L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=170.2.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=209.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**06 05 40 41.5–.89**	**37.74N–.02**	**26.92E–.03**	**12–6**		**34**	**0-2**
ISK	XI	06 05 40 40.5	37.72N	26.85E	8–0	2.9L		**¶602080914**
ISCJB	XI	06 05 40 41.2–.43	37.75N–.02	26.97E–.04	8–4	2.9L		
ATH	XI	06 05 40 41.4	37.74N	26.95E	12–2	2.7L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=164.6.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.4km az=271.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**06 13 33 03.3–.99**	**37.80N–.02**	**26.95E–.02**	**17–2**		**32**	**0-2**
ISK	XI	06 13 33 02.5	37.71N	26.83E	12–0	2.5L		**¶602080931**
ISCJB	XI	06 13 33 04.3–.41	37.78N–.03	26.98E–.03	11–4	2.5L		
DDA	XI	06 13 33 04.8	37.76N	26.93E	7	2.7L		
ATH	XI	06 13 33 06.1	37.75N	26.85E	9–3	2.3L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=139.1.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.4km az=96.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**06 14 02 03.8–.95**	**37.72N–.03**	**26.93E–.03**	**11–6**		**25**	**0-2**
ISK	XI	06 14 02 02.9	37.71N	26.91E	7–0	2.8L		**¶602080933**
ISCJB	XI	06 14 02 03.4–.51	37.74N–.03	26.98E–.04	6–5	2.8L		
ATH	XI	06 14 02 04.5	37.73N	26.88E	10–2	2.6L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=142.5.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=92.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**07 05 02 36.9–.88**	**36.69N–.02**	**25.87E–.02**	**11–6**	**3.8b**	**173**	**0-42**
DDA	XI	07 05 02 32.1	36.67N	25.65E	10	3.8L		**¶602080976**
ISK	XI	07 05 02 35.3	36.67N	25.84E	12–0	3.6L		
ATH	XI	07 05 02 36.1	36.69N	25.87E	28–0	3.6L		
ISCJB	XI	07 05 02 36.7–.28	36.70N–.02	25.87E–.02	13–2	3.5b		
THE	XI	07 05 02 37.1	36.70N	25.87E	7–0	3.7L		
IDC	XI	07 05 02 37.2–1.7	36.50N	26.25E	0	3.7b,3.6		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=272.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=137.8.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=286.0.
IDC Error ellipse: s-maj=262.9km s-min=23.1km az=143.0.

ISC	**XI**	**07 07 13 28.3–1.7**	**35.49N–.07**	**27.87E–.05**	**14–12**		**32**	**1-2**
ISK	XI	07 07 13 26.7	35.41N	27.81E	8–0	2.6L		**¶602080979**
ATH	XI	07 07 13 28.6	35.51N	27.84E	14–2	2.3L		
DDA	XI	07 07 13 29.2	35.56N	27.95E	18	2.9L		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=1.3km az=317.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC	**XI**	**07 16 58 33.7–2.0**	**35.46N–.09**	**27.61E–.10**	**10**		**12**	**0-2**
ISCJB	XI	07 16 58 32.9–1.3	35.48N–.08	27.69E–.09	10			**¶602983448**
ATH	XI	07 16 58 38.3	35.59N	27.34E	10–3	2.5L		
DDA	XI	07 16 59 37.5	36.00N	28.01E	9	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=8.1km az=145.5.
ATH Event type ke. Error ellipse: s-maj=10.1km s-min=1.5km az=289.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC	**XI**	**08 22 33 16.0–.76**	**35.38N–.06**	**27.86E–.03**	**10**	**3.4b**	**54**	**1-42**
IDC	XI	08 22 33 14.2–1.1	35.23N	27.75E	0	3.6,3.4		**¶602081044**
ATH	XI	08 22 33 14.8	35.37N	27.95E	10–3	2.9L,3.4		
ISK	XI	08 22 33 14.3	35.39N	27.84E	5–0	3.2L,3.4		
ISCJB	XI	08 22 33 15.3–.45	35.32N–.04	27.90E–.03	10	3.2b,3.4		
DDA	XI	08 22 33 21.1	35.69N	28.05E	29	3.0L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=15.1km az=171.0.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.7km az=344.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=168.9.
DDA Event type ke.

ISC	**XI**	**09 03 20 24.9–1.1**	**36.61N–.02**	**27.92E–.02**	**6–9**		**64**	**0-41**
IDC	XI	09 03 20 23.7–1.7	36.59N	27.67E	0	3.5b,3.4		**¶602081051**
ATH	XI	09 03 20 24.4	36.64N	27.97E	28–1	3.6L,3.4		
THE	XI	09 03 20 24.6	36.63N	27.95E	1–1	3.7L,3.4		
ISK	XI	09 03 20 24.9	36.62N	27.89E	8–0	3.4L,3.4		
ISCJB	XI	09 03 20 25.3–.41	36.62N–.02	27.91E–.03	9–3	3.4b,3.4		

ISC Event type ke.
ATH Event type ke. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISK Event type ke.
ISCJB Event type ke.

ISC	**XI**	**09 04 46 14.6–1.0**	**36.62N–.02**	**27.96E–.02**	**8–7**	**3.8b**	**213**	**0-57**
IDC	XI	09 04 46 13.3–.86	36.51N	27.93E	0	3.9,3.9b		**¶601882615**
NEIC	XI	09 04 46 14.8–.00	36.64N	27.97E	1	4.0L,4.0b		
ISK	XI	09 04 46 14.5	36.59N	27.91E	6–0	4.0L,4.0b		
THE	XI	09 04 46 14.8	36.64N	27.97E	1–0	3.9L,4.0b		
ATH	XI	09 04 46 14.9	36.63N	27.94E	28–0	3.8L,4.0b		
DDA	XI	09 04 46 15.0	36.64N	27.93E	19	3.9L,4.0b		
HLW	XI	09 04 46 15.3	36.55N	27.98E	11–14	4.2L,4.0b		
ISCJB	XI	09 04 46 15.1–.35	36.61N–.02	27.92E–.02	14–2	3.8b,4.0b		

ISC Event type ke.
NEIC Event type se. After THE.
ISK Event type ke.
THE Event type ke.
ATH Event type ke. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISCJB Event type ke.

ISC	**XI**	**11 21 32 43.0–1.0**	**36.04N–.02**	**27.51E–.02**	**11–7**	**3.9b**	**201**	**1-64**
IDC	XI	11 21 32 41.7–.84	36.12N	27.38E	0	4.5,4.5s		**¶601884075**
ISCJB	XI	11 21 32 42.8–.45	35.98N–.02	27.52E–.02	10–3	4.5s,3.8b		
ISK	XI	11 21 32 42.1	36.00N	27.50E	9–0	3.7L,3.8b		
DDA	XI	11 21 32 43.6	36.13N	27.43E	12	3.6L,3.8b		
ATH	XI	11 21 32 43.4	36.03N	27.49E	27–0	3.5L,3.8b		
THE	XI	11 21 32 44.0	35.99N	27.49E	0–1	3.7L,3.8b		
NIC	XI	11 21 32 46.3–.20	36.37N	27.64E	25	4.2b,3.7L		

ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=13.1km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=163.5.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=89.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=172.0.

ISC	**XI**	**12 03 14 12.3–1.0**	**36.00N–.02**	**27.52E–.02**	**12–7**	**3.8b**	**169**	**1-43**
ISK	XI	12 03 14 10.9	36.01N	27.45E	9–0	3.6L		**¶601884093**
IDC	XI	12 03 14 10.7–1.2	36.08N	27.38E	0	3.8,3.8b		
ISCJB	XI	12 03 14 11.7–.46	35.99N–.02	27.51E–.02	10–3	3.6b,3.8b		
ATH	XI	12 03 14 12.0	36.01N	27.54E	31–0	3.4L,3.8b		
THE	XI	12 03 14 12.2	35.97N	27.54E	0–0	3.8L,3.8b		
DDA	XI	12 03 14 12.3	36.09N	27.49E	17	3.5L,3.8b		
NIC	XI	12 03 14 17.8–.20	36.39N	27.93E	22	4.2b,3.6L		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=16.8km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=159.6.
ATH Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=97.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=158.0.
DDA Event type ke.

ISC	**XI**	**13 17 31 08.9–1.1**	**35.98N–.02**	**27.49E–.02**	**5–9**	**3.7b**	**89**	**1-57**
ISK	XI	13 17 31 07.8	35.98N	27.55E	5–0	3.6L		**¶602081351**
IDC	XI	13 17 31 07.7–1.4	35.26N	28.16E	0	3.7b,3.6		
ATH	XI	13 17 31 09.4	36.00N	27.48E	32–1	3.3L,3.6		
THE	XI	13 17 31 09.8	36.02N	27.50E	2–2	3.3L,3.6		
ISCJB	XI	13 17 31 09.2–.57	35.97N–.02	27.48E–.02	9–4	3.6b,3.6		
DDA	XI	13 17 31 32.6	35.93N	27.37E	5	3.4L,3.6		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=113.8km s-min=22.2km az=140.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=10.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=146.8.
DDA Event type ke.

ISC	**XI**	**13 18 25 49.4–1.1**	**36.51N–.02**	**28.28E–.02**	**4–7**	**3.9b,3.1s**	**140**	**0-64**
ISK	XI	13 18 25 49.4	36.53N	28.24E	8–0	4.0L,3.1s		**¶601891444**
DDA	XI	13 18 25 50.0	36.49N	28.27E	9	3.8L,3.1s		
ATH	XI	13 18 25 49.7	36.51N	28.27E	27–0	3.7L,3.1s		
THE	XI	13 18 25 49.9	36.51N	28.32E	0–1	3.7L,3.1s		
ISCJB	XI	13 18 25 49.7–.41	36.50N–.02	28.25E–.02	9–3	3.8b,3.1s		
NIC	XI	13 18 25 50.1–.30	36.70N	28.22E	17	4.2b,3.8L		
IDC	XI	13 18 25 53.7–1.3	36.42N	28.32E	41–15	3.8,3.7		
HLW	XI	13 18 25 55.9	35.94N	28.42E	0–5	3.9,3.7		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=209.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=350.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=174.3.
IDC Error ellipse: s-maj=15.4km s-min=8.5km az=158.0.

ISC	**XI**	**13 19 57 28.1–.95**	**36.00N–.02**	**27.49E–.02**	**16–7**	**3.5b**	**121**	**1-77**
IDC	XI	13 19 57 25.9–.86	36.00N	27.50E	0	3.8,3.7b		**¶601891448**
DDA	XI	13 19 57 25.8	35.87N	27.48E	7	3.5L,3.7b		
ISK	XI	13 19 57 27.2	35.99N	27.48E	12–0	3.4L,3.7b		
ATH	XI	13 19 57 27.8	36.03N	27.48E	30–1	3.1L,3.7b		
THE	XI	13 19 57 28.2	35.99N	27.51E	1–2	3.2L,3.7b		
ISCJB	XI	13 19 57 28.7–.45	35.97N–.02	27.50E–.02	22–4	3.7b,2.3s		
NIC	XI	13 19 57 30.2–.40	36.67N	27.93E	12	3.2L,2.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=10.8km az=158.0.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=130.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=162.7.

ISC	**XI**	**13 22 08 52.7–.96**	**36.60N–.02**	**27.91E–.02**	**10–7**	**3.6b**	**167**	**0-57**
DDA	XI	13 22 08 49.6	36.58N	27.78E	5	3.6L		**¶602081397**
IDC	XI	13 22 08 50.7–.94	36.52N	27.93E	0	3.6,3.6b		
ATH	XI	13 22 08 51.9	36.65N	27.93E	26–0	3.3L,3.6b		
ISK	XI	13 22 08 51.5	36.62N	27.91E	6–0	3.6L,3.6b		
THE	XI	13 22 08 52.3	36.65N	27.95E	2–1	3.4L,3.6b		
ISCJB	XI	13 22 08 52.1–.36	36.62N–.02	27.89E–.02	9–2	3.5b,3.6b		

ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke.
ISCJB Event type ke.

ATH	**XI**	**13 23 56 00.1**	**36.64N**	**25.59E**	**15–6**	**1.8L**		
THE	XI	13 23 56 00.2	36.64N	25.58E	6–15	1.5L		**¶603002625**

ATH Event type ke. Error ellipse: s-maj=6.0km s-min=0.9km az=225.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=15.9km s-min=0.7km az=230.0.

ISK	**XI**	**14 00 01 48.9**	**36.62N**	**27.96E**	**8–0**	**2.3L**		
								¶602081426

ISK Event type ke.

ISC	**XI**	**14 01 13 48.1–1.0**	**36.01N–.02**	**27.51E–.02**	**10–7**	**3.8b**	**149**	**1-75**
IDC	XI	14 01 13 46.9–.81	36.08N	27.44E	0	3.8,3.8b		**¶601897473**
ISK	XI	14 01 13 47.9	36.02N	27.47E	8–0	3.7L,3.8b		
ISCJB	XI	14 01 13 48.5–.49	36.01N–.02	27.49E–.02	9–3	3.7b,3.6s		
ATH	XI	14 01 13 48.2	36.03N	27.46E	19–1	3.5L,3.6s		
THE	XI	14 01 13 49.1	36.01N	27.54E	3–1	3.4L,3.6s		
DDA	XI	14 01 13 49.6	36.05N	27.58E	6	3.4L,3.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=13.3km az=158.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=150.1.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=160.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=91.0.
DDA Event type ke.

ISC	**XI**	**14 01 33 08.5–1.1**	**35.96N–.03**	**27.55E–.03**	**5–11**		**39**	**1-3**
ISK	XI	14 01 33 07.9	35.96N	27.57E	4–0	2.8L		**¶602081455**

ATH XI 14 01 33 08.8 36.00N 27.50E 23–1 2.4L
DDA XI 14 01 33 08.3 35.92N 27.55E 7 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=335.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 14 05 27 33.5–1.1 36.01N–.03 27.57E–.03 9–11 39 0-2
ATH XI 14 05 27 32.8 36.15N 27.40E 20–1 2.3L **¶602081486**
DDA XI 14 05 27 33.9 36.01N 27.58E 6 2.5L
ISK XI 14 05 27 33.5 35.98N 27.57E 3–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.0km az=152.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISC XI 14 07 03 59.6–1.0 36.03N–.02 27.48E–.02 11–8 3.6b 82 1-43
ISK XI 14 07 03 58.6 35.99N 27.52E 5–0 3.3L **¶602081502**
ATH XI 14 07 03 59.4 36.02N 27.49E 26–2 3.2L
THE XI 14 07 03 59.9 36.03N 27.52E 3–2 3.1L
ISCJB XI 14 07 04 00.7–.48 36.02N–.03 27.46E–.03 19–5 3.6b
DDA XI 14 07 04 00.4 36.13N 27.47E 26 3.2L
IDC XI 14 07 04 02.8–4.8 36.14N 27.36E 33–42 3.6,3.6b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.2km az=88.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=143.1.
DDA Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=14.1km az=149.0.
ISC XI 14 10 11 44.3–1.1 35.99N–.04 27.62E–.04 16–10 23 0-2
ISCJB XI 14 10 11 45.0–.61 36.01N–.04 27.53E–.05 10–6 **¶602081524**
ISK XI 14 10 11 44.3 35.96N 27.59E 5–0 2.5L
ATH XI 14 10 11 45.0 36.03N 27.51E 28–1 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.3km az=135.1.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.1km az=129.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 15 06 42 10.5–.93 36.68N–.02 25.63E–.03 15–7 41 0-2
ISK XI 15 06 42 08.5 36.69N 25.38E 14–0 2.8L **¶602081599**
ISCJB XI 15 06 42 10.8–.43 36.67N–.03 25.64E–.04 8–5 2.8L
THE XI 15 06 42 10.9 36.66N 25.64E 5–5 2.4L
ATH XI 15 06 42 10.7 36.66N 25.64E 14–7 2.5L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=32.1.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=0.5km az=119.0.
ATH Event type ke. Error ellipse: s-maj=7.2km s-min=1.0km az=202.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 17 10 33 40.8–1.7 36.37N–.05 26.54E–.04 103–14 33 1-3
ATH XI 17 10 33 40.4 36.34N 26.53E 108–4 2.6L **¶602081753**
ISK XI 17 10 33 40.9 36.27N 26.55E 21–2 2.6L
ISCJB XI 17 10 33 41.1–.80 36.36N–.04 26.51E–.04 97–9 2.6L
ISC Event type ke.
ATH Event type ke. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 18 21 28 19.7–1.6 35.29N–.07 27.76E–.05 30–15 36 1-3
ISK XI 18 21 28 14.8 35.17N 27.67E 4–0 2.8L **¶602081850**
ATH XI 18 21 28 18.9 35.38N 27.71E 22–2 2.5L
ISCJB XI 18 21 28 20.4–1.4 35.36N–.06 27.78E–.05 31–13 2.5L
DDA XI 18 21 29 01.2 35.33N 28.33E 11 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=2.5km az=133.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.3km az=151.8.
DDA Event type ke.
ISC XI 19 18 01 34.2–1.2 35.32N–.05 27.10E–.03 15–10 43 1-3
ATH XI 19 18 01 31.1 35.22N 27.28E 9–3 2.5L **¶602081925**
DDA XI 19 18 01 31.3 36.64N 25.91E 8 2.7L
THE XI 19 18 01 34.0 35.10N 27.07E 0–3 2.5L
ISCJB XI 19 18 01 35.4–1.1 35.21N–.08 27.10E–.05 21–10 2.5L
ISK XI 19 18 01 37.1 35.39N 26.94E 26–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.8km s-min=2.6km az=300.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=9.0km s-min=1.3km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.2km az=158.7.
ISK Event type ke.
ISC XI 19 22 56 57.2–1.7 35.24N–.04 27.79E–.03 15–11 3.7b 121 1-88
THE XI 19 22 56 53.3 34.92N 28.38E 30–24 3.7L **¶601993046**
IDC XI 19 22 56 54.3–.83 35.18N 27.86E 0 3.7,3.7b
ISCJB XI 19 22 56 55.1–.95 35.12N–.03 27.83E–.02 12–6 3.6b,3.1s
ISK XI 19 22 56 56.3 35.32N 27.71E 6–0 3.6L,3.1s
DDA XI 19 22 57 03.2 35.62N 28.24E 26 3.5L,3.1s
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=24.6km s-min=1.1km az=134.0.
IDC Error ellipse: s-maj=17.8km s-min=12.4km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=12.4.
ISK Event type ke.
DDA Event type ke.
ISC XI 20 14 38 52.9–1.1 35.31N–.03 27.75E–.02 12–8 3.7b 98 1-43
ISK XI 20 14 38 49.9 35.32N 27.77E 10–0 3.6L **¶602082001**
IDC XI 20 14 38 51.6–1.0 35.16N 27.71E 0 3.8,3.7b
THE XI 20 14 38 54.6 35.24N 27.80E 0–1 3.4L,3.7b
ATH XI 20 14 38 54.4 35.40N 27.81E 22–8 3.4L,3.7b
DDA XI 20 14 39 05.4 35.15N 27.00E 51 3.6L,3.7b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=15.2km az=169.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=161.0.
ATH Event type ke. Error ellipse: s-maj=8.4km s-min=1.9km az=324.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 20 16 39 33.2–1.9 35.31N–.07 27.91E–.05 19–5 24 1-3
ISCJB XI 20 16 39 32.0–1.8 35.28N–.09 27.85E–.05 3–16 **¶602082004**
DDA XI 20 16 39 31.2 35.27N 27.84E 5 2.5L
ATH XI 20 16 39 32.1 35.30N 27.82E 20–5 2.5L
ISK XI 20 16 39 32.3 35.25N 27.85E 11–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=5.9km az=162.8.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.7km s-min=1.9km az=177.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISC XI 20 22 08 56.6–1.6 35.96N–.04 27.57E–.04 3–13 35 1-2
ATH XI 20 22 08 58.5 36.01N 27.42E 26–6 2.1L **¶602082066**
ISK XI 20 22 08 58.7 36.02N 27.61E 7–0 2.2L
ISCJB XI 20 22 08 59.2–.82 35.97N–.04 27.49E–.04 16–8 2.2L
DDA XI 20 22 08 59.2 35.99N 27.63E 7 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=1.8km az=87.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.4km az=150.9.
DDA Event type ke.

ISC XI 21 23 27 22.4–1.4 35.24N–.05 27.90E–.04 10–10 62 1-4
ATH XI 21 23 27 20.9 35.24N 27.92E 10–2 2.7L **¶602082150**
THE XI 21 23 27 22.1 35.26N 27.96E 0–2 2.7L
ISK XI 21 23 27 22.9 35.37N 27.70E 6–0 2.9L
DDA XI 21 23 28 14.0 35.19N 27.61E 34 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=13.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=1.3km az=133.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 22 09 35 40.4–.66 36.50N–.02 25.46E–.02 13–3 3.5b 170 0-43
ISK XI 22 09 35 37.6 36.53N 25.38E 9–0 3.5L **¶602082191**
ISCJB XI 22 09 35 39.7–.21 36.51N–.02 25.49E–.02 13–1 3.4b
ATH XI 22 09 35 39.1 36.49N 25.46E 19–0 3.5L
THE XI 22 09 35 40.1 36.52N 25.50E 8–0 3.8L
IDC XI 22 09 35 45.8–1.3 36.17N 25.62E 67–18 3.7,3.6
DDA XI 22 09 35 57.8 36.31N 25.41E 35 3.6L,3.6
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=34.8.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=265.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=239.0.
IDC Error ellipse: s-maj=28.4km s-min=16.8km az=136.0.
DDA Event type ke.
DDA XI 22 18 11 33.4 36.68N 27.94E 7 2.0L ¶602983891
DDA Event type ke.
ISC XI 24 21 04 18.0–.79 36.55N–.02 27.91E–.01 11–5 4.5b 666 0-116
HLW XI 24 21 03 45.4 38.96N 27.69E 10–22 4.7L,4.4 **¶606804547**
BJI XI 24 21 04 14.0 36.50N 27.90E 5 4.8b,4.6s
ISCJB XI 24 21 04 16.5–.35 36.51N–.01 27.98E–.01 12–2 4.5b,3.5s
NEIC XI 24 21 04 16.9–.00 36.60N 27.92E 11 4.5b,4.4L
ATH XI 24 21 04 17.1 36.65N 27.98E 28–0 4.2L,4.4L
ISK XI 24 21 04 17.0 36.63N 27.93E 8–0 4.4L,4.4L
DDA XI 24 21 04 17.1 36.60N 27.94E 12 4.3L,4.4L
MOS XI 24 21 04 18.4–.97 36.59N 27.96E 23 4.6b,4.4L
THE XI 24 21 04 18.3 36.63N 27.96E 0–1 4.1L,4.4L
IDC XI 24 21 04 20.5–2.1 36.48N 27.90E 35–18 4.2,4.1
NIC XI 24 21 04 21.8–.20 36.60N 28.26E 12 4.6b,4.2L
GII XI 24 21 04 22.1–.38 36.39N 28.06E 60 4.3b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=15.6.
NEIC Event type fe. Felt at Symi. After ISK.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=207.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=112.6.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=201.0.
IDC Error ellipse: s-maj=14.7km s-min=11.2km az=177.0.
GII Event type ke.
ISC XI 24 21 20 44.3–.97 36.53N–.03 27.92E–.02 11–8 60 0-2
ATH XI 24 21 20 43.5 36.68N 28.05E 26–2 3.0L **¶602082377**
THE XI 24 21 20 44.5 36.65N 27.99E 0–1 2.8L
DDA XI 24 21 20 44.6 36.59N 27.96E 4 2.9L
ISK XI 24 21 20 44.6 36.64N 27.96E 5–0 2.8L
ISCJB XI 24 21 20 45.3–.42 36.62N–.03 27.95E–.02 8–4 2.8L
ISC Event type ke.
ATH Event type ke. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 24 21 31 16.5–.87 36.57N–.02 27.95E–.01 12–5 4.5b 633 0-124
IDC XI 24 21 31 14.3–.62 36.53N 27.94E 0 4.2,4.2b **¶601994218**
ISCJB XI 24 21 31 14.5–.36 36.52N–.01 27.99E–.01 9–2 4.4b,2.8s
NEIC XI 24 21 31 14.9–.00 36.60N 27.91E 8 4.3L,4.3b
ISK XI 24 21 31 15.1 36.61N 27.93E 8–0 4.3L,4.3b
ATH XI 24 21 31 15.8 36.64N 27.93E 26–0 4.1L,4.3b
DDA XI 24 21 31 15.2 36.59N 27.93E 21 4.2L,4.3b
MOS XI 24 21 31 16.4–1.2 36.56N 27.97E 21 4.6b,4.3b
THE XI 24 21 31 16.3 36.63N 27.97E 0–1 4.1L,4.3b
NIC XI 24 21 31 19.2–.20 36.77N 28.30E 12 4.5b,4.1L
GII XI 24 21 31 20.2–.00 36.48N 28.19E 30–1 4.4b,4.2
HLW XI 24 21 31 20.2 36.25N 28.31E 11–15 4.4L,4.3
ISC Event type fe.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=14.4.
NEIC Event type fe. Felt at Lakkion and Rodos. After ISK.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=205.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
MOS Error ellipse: s-maj=5.3km s-min=3.3km az=112.9.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=20.0.
GII Event type ke.
ISC XI 24 21 35 22.3–.89 36.58N–.02 27.96E–.02 14–6 3.8b 190 0-79
ISCJB XI 24 21 35 21.0–.42 36.51N–.02 27.98E–.02 11–3 3.6b **¶601994220**
ATH XI 24 21 35 21.0 36.67N 28.02E 28–1 3.7L
DDA XI 24 21 35 21.8 36.62N 27.95E 4 4.1L
THE XI 24 21 35 21.9 36.65N 27.98E 0–1 3.9L
ISK XI 24 21 35 21.4 36.59N 27.94E 10–0 4.0L
NIC XI 24 21 35 24.6–.20 36.68N 28.19E 12 4.2b,3.8L
IDC XI 24 21 35 25.4–1.8 36.47N 27.96E 38–18 3.8,3.8
GII XI 24 21 35 25.8–.00 36.41N 28.38E 3–0 4.1b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=18.7.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=211.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=144.0.
ISK Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=12.3km az=3.0.
GII Event type ke.
ISC XI 24 22 17 49.5–1.1 36.54N–.02 27.87E–.02 10–9 70 0-3
ATH XI 24 22 17 49.3 36.68N 28.04E 28–2 3.0L **¶602082396**
ISK XI 24 22 17 49.6 36.58N 27.94E 5–0 3.0L
DDA XI 24 22 17 49.1 36.58N 27.83E 6 3.1L
ISCJB XI 24 22 17 50.8–.46 36.59N–.03 27.92E–.02 2–4 3.1L
THE XI 24 22 17 50.8 36.62N 27.94E 0–1 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.2km az=213.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=13.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=203.0.
ISC XI 24 22 28 41.5–1.1 36.61N–.03 27.93E–.02 5–9 57 0-2
ATH XI 24 22 28 40.7 36.65N 27.99E 27–2 2.6L **¶602082403**
ISK XI 24 22 28 40.7 36.58N 27.92E 5–0 2.8L
ISCJB XI 24 22 28 41.7–.43 36.60N–.03 27.93E–.02 7–4 2.8L
THE XI 24 22 28 41.4 36.62N 27.94E 0–1 2.7L
DDA XI 24 22 28 42.4 36.65N 27.92E 7 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=212.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=17.9.

THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=205.0.
DDA Event type ke.
ISC XI 25 01 04 44.0–1.2 36.66N–.03 27.95E–.02 4–11 55 0-2
ISK XI 25 01 04 43.8 36.57N 27.93E 5–0 2.8L ¶602082472
ATH XI 25 01 04 44.5 36.65N 28.03E 31–1 2.9L
DDA XI 25 01 04 44.6 36.57N 27.95E 5 2.9L
ISCJB XI 25 01 04 46.0–.42 36.63N–.03 27.92E–.02 9–4 2.9L
THE XI 25 01 04 45.5 36.66N 27.98E 4–3 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.5km az=217.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=13.4.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.8km az=208.0.
ISC XI 25 03 37 08.2–1.2 36.61N–.03 27.97E–.02 1–11 39 0-2
ISK XI 25 03 37 08.8 36.64N 27.95E 7–0 2.3L ¶602082517
DDA XI 25 03 37 08.8 36.56N 27.96E 7 2.8L
ISCJB XI 25 03 37 09.6–.44 36.64N–.04 27.95E–.03 8–5 2.8L
ATH XI 25 03 37 09.3 36.63N 27.96E 26–4 2.1L
THE XI 25 03 37 09.1 36.65N 27.98E 0–2 2.3L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.5km az=23.1.
ATH Event type ke. Error ellipse: s-maj=8.2km s-min=1.6km az=212.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=26.0.
ISC XI 25 06 31 22.3–1.1 36.62N–.03 27.96E–.02 5–10 39 0-2
ISK XI 25 06 31 21.8 36.61N 27.93E 5–0 2.5L ¶602082545
ATH XI 25 06 31 21.7 36.70N 28.06E 24–3 2.7L
ISCJB XI 25 06 31 23.1–.47 36.61N–.03 27.94E–.03 4–5 2.7L
DDA XI 25 06 31 23.1 36.61N 27.95E 7 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.3km az=214.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=12.1.
DDA Event type ke.
ISK XI 25 08 28 44.0 36.59N 27.95E 15–3 2.4L
DDA XI 25 08 28 44.6 36.61N 27.96E 7 2.5L ¶602082554
ISK Event type ke.
DDA Event type ke.
ISC XI 25 08 51 46.6–.72 36.60N–.02 27.96E–.02 9–5 3.9b 232 0-90
IDC XI 25 08 51 44.8–.86 36.52N 27.91E 0 3.9,3.9b ¶601994334
ISCJB XI 25 08 51 45.8–.41 36.54N–.02 27.96E–.02 10–3 3.8b,3.3s
ISK XI 25 08 51 45.8 36.62N 27.91E 6–0 4.0L,3.3s
DDA XI 25 08 51 46.1 36.60N 27.92E 11 4.0L,3.3s
ATH XI 25 08 51 46.7 36.64N 27.93E 28–0 3.6L,3.3s
THE XI 25 08 51 46.3 36.67N 27.98E 0–0 3.7L,3.3s
MOS XI 25 08 51 47.2–1.2 36.53N 27.99E 24 4.1b,3.3s
NIC XI 25 08 51 48.2–.20 36.60N 28.05E 12 4.3b,3.9L
GII XI 25 08 51 52.0–.59 36.48N 28.15E 80 4.3b,3.8
HLW XI 25 08 52 00.7 35.60N 28.06E 22–19 4.0,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=14.0km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=7.1.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=207.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=17.0.
MOS Error ellipse: s-maj=9.2km s-min=6.3km az=98.6.
GII Event type ke.
ISC XI 25 08 58 05.2–.97 36.59N–.02 27.94E–.02 9–7 3.7b 144 0-57
IDC XI 25 08 58 03.6–.86 36.59N 27.88E 0 3.8,3.7 ¶601994337
ISK XI 25 08 58 04.7 36.59N 27.92E 7–0 3.7L,3.7
ISCJB XI 25 08 58 05.0–.40 36.58N–.02 27.94E–.02 10–3 3.6b,3.7
DDA XI 25 08 58 05.7 36.62N 27.93E 7 3.8L,3.7
THE XI 25 08 58 05.2 36.65N 27.96E 0–1 3.6L,3.7
ATH XI 25 08 58 05.3 36.66N 27.95E 26–1 3.5L,3.7
NIC XI 25 08 58 07.6–.30 36.46N 27.98E 12 4.2b,3.7L
HLW XI 25 08 58 14.7 35.86N 28.10E 12–8 4.0,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=13.8km az=158.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=3.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=16.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=205.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 25 12 06 03.5–1.1 36.64N–.02 27.97E–.02 6–9 63 0-3
DDA XI 25 12 06 02.6 36.57N 27.82E 6 3.0L ¶602082568
ISK XI 25 12 06 03.2 36.58N 27.93E 5–0 2.8L
ATH XI 25 12 06 03.8 36.64N 28.01E 30–1 3.1L
THE XI 25 12 06 04.4 36.64N 27.98E 0–1 2.9L
ISCJB XI 25 12 06 05.1–.42 36.60N–.03 27.93E–.03 9–4 2.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISCJB Event type ke.
ISC XI 25 14 12 16.1–1.1 36.63N–.02 27.92E–.02 4–9 71 0-3
ISK XI 25 14 12 14.9 36.59N 27.91E 3–0 3.0L ¶602082578
DDA XI 25 14 12 16.0 36.63N 27.90E 7 3.1L
ISCJB XI 25 14 12 16.5–.41 36.61N–.02 27.90E–.02 9–3 3.1L
ATH XI 25 14 12 16.0 36.66N 27.96E 28–1 3.1L
THE XI 25 14 12 17.1 36.60N 27.89E 0–2 3.1L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=179.5.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=207.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=204.0.
ISC XI 25 16 43 57.0–1.2 36.62N–.02 27.94E–.02 6–10 52 0-2
ATH XI 25 16 43 56.9 36.68N 28.01E 24–1 2.8L ¶602082587
THE XI 25 16 43 57.4 36.65N 27.96E 0–1 2.7L
ISK XI 25 16 43 57.3 36.59N 27.95E 5–0 2.6L
DDA XI 25 16 43 57.7 36.61N 27.93E 7 2.9L
ISCJB XI 25 16 43 58.1–.43 36.62N–.03 27.95E–.02 7–4 2.9L
ISC Event type ke.
ATH Event type ke. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 25 23 57 54.8–.91 36.62N–.02 27.90E–.02 12–7 87 0-4
ATH XI 25 23 57 53.4 36.64N 27.98E 32–1 3.1L ¶602082638
ISK XI 25 23 57 53.5 36.62N 27.91E 6–0 3.0L
ISCJB XI 25 23 57 54.7–.38 36.64N–.02 27.88E–.02 11–3 3.0L
THE XI 25 23 57 54.2 36.64N 27.92E 0–1 3.0L
DDA XI 25 23 57 54.4 36.64N 27.92E 19 3.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.3km az=215.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=20.4.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=19.0.
DDA Event type ke.
ISC XI 26 03 15 12.4–1.4 36.52N–.05 26.97E–.03 107–9 83 0-5
ISK XI 26 03 15 11.8 36.14N 26.86E 29–0 3.3L ¶602082673
ISCJB XI 26 03 15 11.8–.46 36.50N–.04 26.96E–.03 114–6 3.3L
ATH XI 26 03 15 11.4 36.49N 26.95E 116–5 3.4L
THE XI 26 03 15 14.6 36.51N 26.93E 110–4 3.5L
HLW XI 26 03 15 20.3 35.69N 27.27E 32–40 4.5
DDA XI 26 03 15 23.8 36.99N 27.76E 48 3.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=159.8.
ATH Event type ke. Error ellipse: s-maj=6.0km s-min=1.7km az=125.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=68.0.
DDA Event type ke.
ISC XI 26 04 17 30.9–1.2 36.66N–.02 27.98E–.02 1–9 3.5b 126 0-57
ATH XI 26 04 17 32.7 36.65N 27.98E 28–1 3.5L ¶601994492
ISK XI 26 04 17 32.6 36.61N 27.94E 8–0 3.6L
THE XI 26 04 17 33.1 36.64N 27.98E 0–1 3.6L
DDA XI 26 04 17 33.8 36.65N 28.00E 4 3.3L
IDC XI 26 04 17 35.9–2.7 36.50N 27.98E 36–28 3.5,3.5
NIC XI 26 04 17 37.1–.30 36.74N 28.28E 12 3.3L,3.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=211.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=48.0.
DDA Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=13.8km az=163.0.
ISC XI 26 04 21 38.7–1.2 36.59N–.03 27.96E–.02 5–11 47 0-3
ATH XI 26 04 21 39.0 36.65N 28.03E 28–3 2.8L ¶602082679
ISK XI 26 04 21 38.9 36.56N 27.95E 7–0 2.7L
ISCJB XI 26 04 21 39.9–.42 36.62N–.03 27.96E–.03 9–4 2.7L
DDA XI 26 04 21 39.2 36.63N 27.95E 5 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.3km az=212.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=8.3.
DDA Event type ke.
ISC XI 26 07 18 22.4–1.2 36.60N–.03 27.96E–.02 4–11 33 0-2
ISK XI 26 07 18 21.8 36.60N 27.94E 5–0 2.7L ¶602082701
DDA XI 26 07 18 22.9 36.61N 27.94E 7 2.8L
ATH XI 26 07 18 23.3 36.60N 27.95E 28–2 2.9L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.4km az=208.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 26 17 35 42.5–.72 36.60N–.02 27.96E–.01 16–4 5.0b,3.8s 1163 0-126
BJI XI 26 17 35 38.5 36.55N 27.66E 14 5.1b,5.0s ¶601994613
GII XI 26 17 35 39.8–.00 36.58N 27.95E 2 4.6b,4.5
DDA XI 26 17 35 41.4 36.62N 27.95E 7 4.8L,4.5
PDG XI 26 17 35 41.9–.55 36.64N 27.96E 16–1 4.8L,4.5
NEIC XI 26 17 35 41.8–.00 36.66N 27.99E 0 5.0b,4.9L
ISK XI 26 17 35 41.2 36.61N 27.96E 11–0 4.8L,4.9L
ATH XI 26 17 35 41.9 36.65N 27.91E 26–0 4.8L,4.9L
HLW XI 26 17 35 41.8 36.58N 28.09E 7–15 5.1L,4.4
THE XI 26 17 35 41.5 36.66N 28.01E 1–1 4.8L,4.4
ISCJB XI 26 17 35 42.2–.24 36.57N–.01 27.97E–.01 27–1 4.9b,4.0s
MOS XI 26 17 35 42.7–1.3 36.60N 27.96E 24 5.1b,4.0s
GCMT XI 26 17 35 43.8–.40 36.61N–.04 27.94E–.04 19–1 4.8W,4.0s
NIC XI 26 17 35 43.5–.20 36.67N 27.99E 17 4.9b,4.6L
IDC XI 26 17 35 44.5–2.9 36.58N 27.91E 29–20 4.6,4.5
ISC Event type fe.
GII Event type ke.
DDA Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type fe. Felt on Rhodes and Symi. After THE.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=189.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=13.0.
MOS Error ellipse: s-maj=3.9km s-min=2.4km az=111.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s69,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.13 $M_{\theta\theta}$0.77±.09; $M_{\phi\phi}$1.09±.09; $M_{r\theta}$0.60±.19; $M_{\theta\phi}$0.51±.04; $M_{\phi r}$0.63±.17; Best double couple: NP1:ϕ_s219.00000°,δ59.00000°,λ-88.00000°. NP2:ϕ_s35.00000°,δ31.00000°,λ-94.00000°. Principal axes: T 1.6780,Plg14.0000° ,Azm307.0000°; N 0.3990,Plg2.0000°,Azm38.0000°; P -2.0760,Plg76.0000°,Azm136.0000° $M_0$1.87700×10^{16}
IDC Error ellipse: s-maj=10.3km s-min=8.4km az=167.0.
ISC XI 26 17 44 11.7–1.0 36.70N–.04 28.03E–.02 19–3 30 0-3
ATH XI 26 17 44 11.1 36.67N 28.04E 29–2 2.9L ¶602082758
ISK XI 26 17 44 11.8 36.62N 27.96E 9–0 2.6L
ISCJB XI 26 17 44 12.2–.41 36.65N–.04 27.98E–.03 11–4 2.6L
ISC Event type ke.
ATH Event type ke. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke.
ISC XI 26 17 49 00.3–1.1 36.59N–.03 27.95E–.02 19–2 43 0-2
ATH XI 26 17 48 59.6 36.71N 28.09E 26–2 2.7L ¶602082763
ISK XI 26 17 49 00.0 36.60N 27.97E 4–0 2.6L
DDA XI 26 17 49 00.8 36.63N 27.95E 7 3.0L
ISCJB XI 26 17 49 01.1–.41 36.64N–.03 27.97E–.03 9–3 3.0L
ISC Event type ke.
ATH Event type ke. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 26 19 30 36.4–.93 36.65N–.03 27.95E–.02 11–9 49 0-2
ISK XI 26 19 30 35.4 36.63N 27.96E 6–0 2.6L ¶602082781
THE XI 26 19 30 35.8 36.64N 27.97E 3–3 2.5L
ATH XI 26 19 30 35.7 36.66N 27.99E 22–7 2.6L
DDA XI 26 19 30 36.1 36.65N 27.96E 6 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.5km az=65.0.
ATH Event type ke. Error ellipse: s-maj=11.4km s-min=1.5km az=213.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 26 21 20 33.7–.92 36.64N–.02 27.95E–.01 10–7 103 0-41
IDC XI 26 21 20 32.1–1.4 36.56N 27.91E 0 3.3b,3.2 ¶601994658
ISK XI 26 21 20 32.9 36.64N 27.96E 10–0 3.4L,3.2
DDA XI 26 21 20 33.7 36.66N 27.98E 8 3.3L,3.2
ATH XI 26 21 20 33.1 36.65N 27.92E 25–1 3.1L,3.2
THE XI 26 21 20 33.0 36.66N 27.97E 0–0 3.4L,3.2
ISCJB XI 26 21 20 33.2–.40 36.60N–.02 27.93E–.02 10–3 3.1b,3.2
NIC XI 26 21 20 34.0–.30 36.90N 28.12E 12 4.1b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=172.4km s-min=16.9km az=147.0.
ISK Event type ke.
DDA Event type ke.

ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=204.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=1.0.
ISC XI 26 21 41 42.9–1.1 36.64N–.03 27.97E–.02 5–10 48 0-2
ATH XI 26 21 41 42.8 36.68N 27.99E 21–2 2.7L **¶602082801**
ISK XI 26 21 41 42.7 36.61N 27.96E 9–0 2.7L
ISCJB XI 26 21 41 43.4–.44 36.63N–.03 27.95E–.02 4–4 2.7L
DDA XI 26 21 41 43.7 36.64N 27.96E 6 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=195.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=4.4.
DDA Event type ke.
ISC XI 26 21 44 53.7–1.1 36.64N–.02 27.95E–.02 6–8 82 0-41
IDC XI 26 21 44 52.2–1.7 36.29N 28.19E 0 3.4b,3.3 **¶602082802**
ISK XI 26 21 44 53.1 36.64N 27.98E 5–0 3.2L,3.3
ATH XI 26 21 44 53.8 36.64N 27.95E 26–1 3.0L,3.3
THE XI 26 21 44 53.9 36.64N 27.96E 0–0 2.9L,3.3
DDA XI 26 21 44 54.0 36.65N 27.96E 8 3.2L,3.3
ISCJB XI 26 21 44 54.1–.39 36.61N–.02 27.95E–.02 8–3 3.2b,3.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 27 00 30 58.8–1.1 36.64N–.03 27.97E–.02 4–10 44 0-3
ISK XI 27 00 30 58.5 36.60N 27.96E 9–0 2.5L **¶602082835**
ISCJB XI 27 00 30 59.4–.42 36.61N–.03 27.94E–.03 7–4 2.5L
THE XI 27 00 30 59.2 36.62N 27.96E 2–2 2.4L
ATH XI 27 00 30 59.2 36.63N 27.96E 28–2 2.5L
DDA XI 27 00 30 59.3 36.62N 27.94E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=7.5.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.6km az=206.0.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=2.0km az=210.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 27 02 35 55.7–1.1 36.67N–.02 27.98E–.02 4–10 62 0-4
ISK XI 27 02 35 55.8 36.66N 27.98E 9–0 2.9L **¶602082861**
ATH XI 27 02 35 55.9 36.65N 27.92E 22–1 2.6L
DDA XI 27 02 35 55.6 36.63N 27.94E 7 3.1L
ISCJB XI 27 02 35 56.4–.37 36.64N–.03 27.95E–.02 9–3 3.1L
THE XI 27 02 35 56.0 36.65N 27.99E 2–3 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=202.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=1.8.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=53.0.
ISC XI 27 03 32 40.0–.95 36.61N–.02 27.92E–.02 11–8 71 0-4
ISK XI 27 03 32 38.9 36.65N 27.96E 5–0 2.8L **¶602082871**
THE XI 27 03 32 39.7 36.66N 27.97E 0–1 2.8L
ATH XI 27 03 32 39.2 36.66N 28.02E 26–0 2.7L
ISCJB XI 27 03 32 40.2–.39 36.63N–.02 27.94E–.02 8–3 2.7L
DDA XI 27 03 32 40.3 36.66N 27.98E 7 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=4.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=217.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=178.5.
DDA Event type ke.
ISC XI 27 03 38 29.7–.85 36.73N–.03 28.09E–.02 17–6 38 0-3
ATH XI 27 03 38 29.0 36.74N 28.14E 19–2 2.4L **¶602082876**
ISK XI 27 03 38 30.1 36.62N 27.96E 5–0 2.4L
DDA XI 27 03 38 31.3 36.66N 27.98E 7 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=65.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISC XI 27 03 40 32.6–1.1 36.64N–.03 27.98E–.02 4–9 34 0-3
ATH XI 27 03 40 33.4 36.68N 28.05E 29–4 2.0L **¶602082877**
ISK XI 27 03 40 33.7 36.63N 27.98E 13–0 2.3L
ISCJB XI 27 03 40 34.3–.45 36.64N–.03 27.98E–.03 10–4 2.3L
DDA XI 27 03 40 34.5 36.65N 27.98E 7 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.0km s-min=1.1km az=212.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=1.8.
DDA Event type ke.
ISC XI 27 04 01 46.8–.94 36.68N–.03 27.93E–.02 10–8 43 0-2
ATH XI 27 04 01 45.0 36.72N 28.09E 27–1 2.7L **¶602082879**
ISK XI 27 04 01 46.3 36.63N 27.98E 6–0 2.7L
DDA XI 27 04 01 46.6 36.63N 27.97E 7 2.9L
ISCJB XI 27 04 01 47.0–.39 36.65N–.03 27.97E–.02 10–4 2.9L
ISC Event type ke.
ATH Event type ke. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC XI 27 04 22 54.1–1.1 36.66N–.02 27.97E–.02 5–10 53 0-3
ATH XI 27 04 22 53.2 36.68N 28.02E 26–1 2.8L **¶602082883**
ISK XI 27 04 22 53.8 36.64N 27.98E 8–0 2.7L
ISCJB XI 27 04 22 54.4–.39 36.62N–.03 27.96E–.02 7–4 2.7L
THE XI 27 04 22 54.2 36.63N 27.97E 2–4 2.6L
DDA XI 27 04 22 54.6 36.66N 27.97E 7 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=222.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=2.1.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.9km az=222.0.
DDA Event type ke.
ISC XI 27 06 20 55.1–.92 36.64N–.03 27.92E–.02 12–7 59 0-2
ATH XI 27 06 20 53.6 36.68N 28.03E 28–2 2.9L **¶602082889**
ISCJB XI 27 06 20 54.9–.39 36.65N–.03 27.94E–.02 11–3 2.9L
ISK XI 27 06 20 54.2 36.62N 27.95E 10–0 2.7L
DDA XI 27 06 20 54.9 36.64N 27.92E 7 2.9L
THE XI 27 06 20 55.7 36.67N 27.97E 14–5 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.3km az=213.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=8.6.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=1.3km az=213.0.
ISC XI 27 13 18 23.9–1.0 36.65N–.02 27.96E–.02 7–9 52 0-3
ATH XI 27 13 18 23.6 36.68N 28.03E 26–2 2.7L **¶602082973**
THE XI 27 13 18 24.6 36.62N 27.96E 3–3 2.5L
ISK XI 27 13 18 24.4 36.61N 27.94E 6–0 2.7L
ISCJB XI 27 13 18 25.0–.43 36.62N–.03 27.94E–.02 9–4 2.7L
DDA XI 27 13 18 25.3 36.67N 27.94E 7 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.2km az=216.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=219.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=10.1.
DDA Event type ke.
ISC XI 27 18 51 32.9–1.1 36.62N–.03 27.97E–.02 4–9 66 0-3
ISK XI 27 18 51 32.9 36.62N 27.97E 6–0 2.8L **¶602083048**
ATH XI 27 18 51 33.0 36.65N 27.97E 30–2 2.3L
ISCJB XI 27 18 51 33.4–.45 36.60N–.03 27.95E–.02 2–4 2.3L
THE XI 27 18 51 33.5 36.63N 27.96E 8–2 2.4L
DDA XI 27 18 51 33.7 36.63N 27.99E 8 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.3km az=210.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=2.3.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=242.0.
DDA Event type ke.
ISK XI 27 19 04 55.0 36.58N 27.97E 6–0 2.0L
DDA XI 27 19 04 55.2 36.59N 27.97E 6 2.2L **¶602083052**
ISK Event type ke.
DDA Event type ke.
ISC XI 27 21 21 53.1–.91 36.63N–.02 27.89E–.01 12–7 81 0-3
ATH XI 27 21 21 52.5 36.69N 27.91E 11–2 2.5L **¶602083085**
THE XI 27 21 21 53.5 36.66N 27.95E 0–1 2.8L
ISK XI 27 21 21 53.2 36.65N 27.97E 11–0 3.1L
DDA XI 27 21 22 53.0 36.63N 27.87E 5 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=44.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=185.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 28 02 20 44.3–1.1 36.67N–.03 27.98E–.02 3–10 45 0-2
DDA XI 28 02 20 44.8 36.65N 27.95E 7 2.5L **¶602083187**
ISK XI 28 02 20 44.5 36.66N 27.96E 6–0 2.4L
ISCJB XI 28 02 20 45.1–.40 36.65N–.03 27.96E–.02 7–4 2.4L
THE XI 28 02 20 45.0 36.66N 27.97E 4–3 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=6.3.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=203.0.
ISC XI 28 07 16 22.2–1.2 36.57N–.03 27.88E–.02 4–11 54 0-2
ISCJB XI 28 07 16 23.9–.41 36.62N–.03 27.94E–.03 9–3 **¶602083268**
ATH XI 28 07 16 23.3 36.63N 27.99E 29–1 2.6L
ISK XI 28 07 16 23.1 36.60N 27.94E 7–0 2.8L
THE XI 28 07 16 23.3 36.68N 28.01E 2–3 2.7L
DDA XI 28 07 16 24.0 36.61N 27.94E 7 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=8.4.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=219.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=153.0.
DDA Event type ke.
ISC XI 28 13 17 16.7–1.1 36.64N–.03 27.96E–.02 6–10 41 0-2
ATH XI 28 13 17 15.4 36.77N 28.21E 11–2 2.7L **¶602083311**
ISK XI 28 13 17 16.5 36.65N 27.97E 5–0 2.8L
DDA XI 28 13 17 17.6 36.66N 27.97E 7 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.6km az=242.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
DDA Event type ke.
ISC XI 28 13 37 02.5–.92 36.62N–.02 27.93E–.02 11–7 66 0-3
ATH XI 28 13 37 00.5 36.70N 28.06E 26–1 3.1L **¶602083315**
THE XI 28 13 37 01.6 36.65N 27.97E 0–1 3.0L
ISK XI 28 13 37 01.3 36.59N 27.95E 6–0 3.2L
ISCJB XI 28 13 37 02.3–.39 36.61N–.03 27.94E–.02 9–3 3.2L
DDA XI 28 13 37 02.2 36.66N 27.92E 19 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=214.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=47.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=179.6.
DDA Event type ke.
ISC XI 28 14 16 12.3–1.1 36.56N–.02 28.29E–.02 2–10 70 0-3
ISK XI 28 14 16 11.5 36.52N 28.25E 5–0 3.5L **¶602083321**
ISCJB XI 28 14 16 12.9–.46 36.52N–.03 28.25E–.02 4–4 3.5L
THE XI 28 14 16 12.6 36.54N 28.30E 4–4 3.3L
ATH XI 28 14 16 13.2 36.44N 28.24E 29–1 3.2L
DDA XI 28 14 16 13.8 36.59N 28.27E 15 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=179.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=0.8km az=153.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=203.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 28 20 31 39.8–.98 36.65N–.03 27.97E–.02 10–8 39 0-3
ATH XI 28 20 31 39.3 36.68N 28.06E 31–1 2.5L **¶602083346**
ISK XI 28 20 31 39.9 36.64N 27.97E 10–0 2.6L
ISCJB XI 28 20 31 40.6–.42 36.64N–.03 27.97E–.03 10–4 2.6L
DDA XI 28 20 31 40.0 36.61N 27.98E 7 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.2km az=215.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=172.5.
DDA Event type ke.
ISC XI 28 21 34 50.6–.88 36.69N–.03 28.00E–.02 13–7 53 0-3
ATH XI 28 21 34 49.9 36.70N 28.06E 27–1 3.0L **¶602083350**
ISK XI 28 21 34 50.3 36.60N 27.97E 7–0 3.2L
THE XI 28 21 34 50.9 36.65N 27.98E 0–1 2.9L
ISCJB XI 28 21 34 51.3–.40 36.64N–.03 27.96E–.02 8–4 2.9L
DDA XI 28 21 34 51.2 36.65N 27.95E 7 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=216.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=176.8.
DDA Event type ke.
ISC XI 28 21 55 22.5–.90 36.62N–.03 27.99E–.02 13–7 48 0-3
ATH XI 28 21 55 21.7 36.69N 28.07E 28–3 2.7L **¶602083353**
ISK XI 28 21 55 22.3 36.61N 27.98E 9–0 3.0L
THE XI 28 21 55 22.4 36.65N 27.99E 0–1 2.6L
ISCJB XI 28 21 55 23.2–.40 36.65N–.03 27.97E–.02 9–4 2.6L
DDA XI 28 21 55 23.6 36.70N 27.96E 7 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.1km az=213.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=2.5.

DDA Event type ke.
ISC XI 28 23 50 06.5–1.7 35.39N–.07 27.73E–.06 23–17 28 1-3
ATH XI 28 23 50 02.7 35.19N 27.91E 21–4 2.2L **¶602083367**
ISCJB XI 28 23 50 03.9–1.2 35.34N–.06 27.79E–.07 8–9 2.2L
ISK XI 28 23 50 03.9 35.37N 27.69E 12–0 2.6L
DDA XI 28 23 50 38.7 35.55N 27.80E 21 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.6km s-min=2.0km az=320.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=6.1km az=41.6.
ISK Event type ke.
DDA Event type ke.
ISC XI 29 11 28 40.0–1.1 37.10N–.02 26.79E–.02 2–7 4.1b 254 0-76
ISCJB XI 29 11 28 39.9–.36 37.18N–.01 26.78E–.02 5–2 4.0b **¶602063205**
IDC XI 29 11 28 39.9–.70 37.21N 26.83E 0 4.1,4.1b
ISK XI 29 11 28 39.1 37.15N 26.76E 8–0 4.3L,4.1b
THE XI 29 11 28 40.4 37.19N 26.83E 0–1 4.1L,4.1b
DDA XI 29 11 28 41.0 37.21N 26.84E 17 3.9L,4.1b
NEIC XI 29 11 28 40.4–.00 37.19N 26.83E 0 4.4L,4.3L
ATH XI 29 11 28 40.1 37.20N 26.86E 30–1 4.4L,4.3L
MOS XI 29 11 28 41.1–1.2 37.19N 26.79E 16 4.3b,4.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=29.4.
IDC Error ellipse: s-maj=17.3km s-min=11.5km az=143.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=49.0.
DDA Event type ke.
NEIC Event type se. After THE.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=84.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
MOS Error ellipse: s-maj=7.1km s-min=4.5km az=87.7.
ISC XI 29 12 00 47.7–1.0 37.19N–.02 26.83E–.02 12–8 106 0-42
IDC XI 29 12 00 47.0–2.1 36.90N 27.10E 0 3.5,3.5 **¶602083427**
ISK XI 29 12 00 46.5 37.21N 26.80E 7–0 3.9L,3.5
DDA XI 29 12 00 46.8 37.16N 26.80E 16 3.7L,3.5
ATH XI 29 12 00 47.2 37.19N 26.85E 31–1 3.5L,3.5
THE XI 29 12 00 47.7 37.19N 26.83E 4–3 3.4L,3.5
ISCJB XI 29 12 00 47.0–.40 37.19N–.02 26.78E–.02 3–3 3.4b,3.5
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISCJB Event type ke.
ISC XI 29 12 54 06.9–.94 36.64N–.02 27.90E–.02 14–8 65 0-3
ISK XI 29 12 54 05.5 36.61N 27.94E 3–0 3.0L **¶602083431**
ISCJB XI 29 12 54 06.9–.45 36.60N–.03 27.91E–.02 8–4 3.0L
THE XI 29 12 54 06.3 36.65N 27.98E 2–1 3.0L
ATH XI 29 12 54 06.4 36.66N 27.92E 30–1 3.0L
DDA XI 29 12 54 06.5 36.62N 27.91E 17 2.9L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=5.6.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=153.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.4km az=208.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 29 15 42 52.0–1.0 37.19N–.03 26.88E–.03 25–11 27 0-2
ISK XI 29 15 42 50.8 37.17N 26.79E 5–0 3.0L **¶602083443**
ATH XI 29 15 42 51.7 37.25N 26.85E 36–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=21.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 29 17 06 04.2–1.2 36.58N–.05 28.03E–.03 9–9 18 0-1
ISCJB XI 29 17 06 04.8–.96 36.54N–.06 27.95E–.05 10–7 **¶602083446**
ISK XI 29 17 06 04.5 36.55N 27.95E 5–0 2.5L
DDA XI 29 17 06 06.0 36.64N 27.95E 7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.2km az=21.1.
ISK Event type ke.
DDA Event type ke.
ISC XI 29 19 08 34.5–1.0 37.15N–.02 26.87E–.02 14–9 60 0-2
ATH XI 29 19 08 34.3 37.20N 26.89E 25–1 2.6L **¶602083450**
THE XI 29 19 08 34.9 37.19N 26.83E 1–1 2.6L
ISK XI 29 19 08 34.6 37.18N 26.83E 5–0 3.0L
DDA XI 29 19 08 35.5 37.19N 26.91E 13 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=303.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=126.0.
ISK Event type ke.
DDA Event type ke.
ISC XI 30 01 53 05.8–1.1 36.59N–.03 27.91E–.02 8–10 41 0-2
ISK XI 30 01 53 03.9 36.56N 27.91E 5–0 3.1L **¶602083465**
ISCJB XI 30 01 53 05.7–.43 36.60N–.03 27.93E–.03 9–4 3.1L
THE XI 30 01 53 05.7 36.64N 27.97E 4–5 3.0L
ATH XI 30 01 53 05.8 36.58N 27.91E 28–1 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=14.5.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.8km az=218.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=201.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 30 02 22 47.1–1.0 36.96N–.02 28.98E–.02 5–8 82 0-40
IDC XI 30 02 22 44.7–1.6 36.70N 29.08E 0 3.6b,3.5 **¶602083467**
DDA XI 30 02 22 46.6 36.95N 28.98E 7 3.5L,3.5
ATH XI 30 02 22 46.6 36.99N 28.92E 13–2 2.9L,3.5
ISCJB XI 30 02 22 46.5–.40 36.96N–.02 28.97E–.02 2–4 3.6b,3.5
ISK XI 30 02 22 46.1 36.96N 28.97E 5–0 3.3L,3.5
THE XI 30 02 22 47.6 36.87N 28.97E 0–1 2.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=115.5km s-min=20.7km az=142.0.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=137.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=148.9.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=35.0.
ISC XI 30 03 46 36.2–.89 36.66N–.03 27.98E–.02 13–7 39 0-2
ATH XI 30 03 46 34.3 36.71N 28.10E 30–6 2.6L **¶602083471**
ISCJB XI 30 03 46 36.8–.46 36.62N–.03 27.91E–.03 3–5 2.6L
DDA XI 30 03 46 36.8 36.67N 27.92E 7 2.1L
ISK XI 30 03 46 36.4 36.62N 27.95E 5–0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.2km s-min=1.3km az=214.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=14.7.
DDA Event type ke.
ISK Event type ke.
ISC XI 30 19 47 53.0–1.0 36.67N–.02 27.97E–.02 6–9 62 0-3
ATH XI 30 19 47 52.0 36.70N 28.09E 26–1 2.9L **¶602083517**
ISK XI 30 19 47 52.8 36.62N 27.97E 5–0 2.9L
THE XI 30 19 47 53.2 36.61N 27.92E 0–1 2.7L
DDA XI 30 19 47 53.1 36.68N 27.95E 5 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.9km az=231.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=210.0.

DDA Event type ke.
ISC XII 01 01 43 33.0–1.2 36.62N–.03 27.94E–.02 4–10 51 0-2
ATH XII 01 01 43 32.8 36.68N 28.11E 34–4 3.0L **¶602329871**
THE XII 01 01 43 33.8 36.65N 28.03E 1–0 2.9L
ISK XII 01 01 43 33.3 36.58N 27.98E 5–0 2.9L
ISCJB XII 01 01 43 34.5–.41 36.62N–.03 27.97E–.02 9–3 2.9L
DDA XII 01 01 43 34.7 36.68N 27.96E 7 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.4km az=189.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=29.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=6.7.
DDA Event type ke.
ISC XII 01 10 13 37.5–.97 37.21N–.02 26.91E–.02 22–6 53 0-2
ISK XII 01 10 13 36.1 37.18N 26.84E 10–0 2.9L **¶602329893**
ISCJB XII 01 10 13 37.2–.57 37.22N–.02 26.88E–.03 3–5 2.9L
DDA XII 01 10 13 37.7 37.25N 26.96E 7 2.8L
ATH XII 01 10 13 38.6 37.21N 26.80E 9–4 2.8L
THE XII 01 10 13 38.8 37.27N 26.69E 1–1 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=17.2.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=297.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=123.0.
ISC XII 01 18 31 21.1–1.4 35.55N–.07 27.83E–.05 10 21 1-3
ATH XII 01 18 31 20.0 35.53N 27.77E 7–2 2.3L **¶602329925**
ISK XII 01 18 31 20.1 35.55N 27.80E 10–0 2.8L
ISCJB XII 01 18 31 21.0–.71 35.56N–.06 27.84E–.06 10 2.8L
ISC Event type ke.
ATH Event type ke. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 02 04 02 11.7–.90 36.61N–.02 25.68E–.02 13–7 124 0-43
IDC XII 02 04 02 09.6–2.1 36.31N 25.90E 0 3.5b,3.3 **¶602329969**
ISK XII 02 04 02 10.9 36.66N 25.51E 13–0 3.2L,3.3
ATH XII 02 04 02 11.2 36.62N 25.69E 25–0 3.4L,3.3
THE XII 02 04 02 12.2 36.62N 25.70E 9–0 3.2L,3.3
ISCJB XII 02 04 02 12.1–.27 36.62N–.02 25.69E–.02 12–2 3.4b,3.3
DDA XII 02 04 02 53.4 36.61N 25.61E 44 2.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=296.0km s-min=24.9km az=144.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=306.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=283.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=43.9.
DDA Event type ke.
ISC XII 02 19 02 57.6–1.0 36.57N–.02 27.97E–.02 5–7 3.9b 161 0-77
ISK XII 02 19 02 56.7 36.63N 27.95E 5–0 3.9L **¶601995853**
IDC XII 02 19 02 56.4–.65 36.52N 27.95E 0 3.9,3.9b
ATH XII 02 19 02 56.8 36.67N 28.05E 29–0 3.7L,3.9b
ISCJB XII 02 19 02 57.4–.38 36.55N–.02 27.97E–.02 9–2 3.8b,3.3s
THE XII 02 19 02 57.5 36.64N 27.99E 0–0 3.9L,3.3s
DDA XII 02 19 02 57.5 36.63N 27.95E 4 4.0L,3.3s
HLW XII 02 19 02 58.1 36.69N 28.03E 34–30 4.6,3.3s
NIC XII 02 19 03 02.6–.20 36.44N 28.01E 24 4.3b,3.9L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=10.9km az=158.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=222.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=173.8.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=58.0.
DDA Event type ke.
ISC XII 02 23 44 39.0–1.2 36.68N–.03 28.00E–.02 4–11 43 0-3
ATH XII 02 23 44 38.4 36.71N 28.08E 25–4 2.7L **¶602330019**
DDA XII 02 23 44 39.6 36.63N 27.98E 8 3.0L
ISK XII 02 23 44 39.2 36.65N 27.96E 5–0 2.8L
ISCJB XII 02 23 44 40.4–.46 36.65N–.03 27.97E–.03 3–5 2.8L
ISC Event type ke.
ATH Event type ke. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 03 20 02 34.4–.84 36.56N–.04 27.15E–.03 13–4 33 0-2
THE XII 03 20 02 33.9 36.55N 27.05E 0–0 2.9L **¶602330061**
ATH XII 03 20 02 33.4 36.50N 27.10E 12–3 3.4L
ISK XII 03 20 02 34.4 36.57N 27.09E 5–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=263.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.2km az=34.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISC XII 03 20 12 40.9–.87 36.50N–.02 27.11E–.02 7–6 3.5b 114 0-59
DDA XII 03 20 12 40.7 36.49N 27.04E 11 3.3L **¶602330062**
ATH XII 03 20 12 40.4 36.52N 27.14E 17–2 3.6L
HLW XII 03 20 12 40.1 36.49N 27.24E 9–6 4.2L
THE XII 03 20 12 41.5 36.54N 27.10E 0–1 3.8L
ISK XII 03 20 12 41.7 36.55N 27.09E 5–0 3.6L
ISCJB XII 03 20 12 42.1–.58 36.37N–.02 27.19E–.03 24–6 3.5b,3.5s
IDC XII 03 20 12 46.3–1.5 36.17N 27.22E 57–20 3.6,3.6
ISC Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.2km az=22.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=191.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=179.0.
IDC Error ellipse: s-maj=23.1km s-min=8.8km az=175.0.
ISC XII 04 06 55 51.9–1.4 37.90N–.06 26.67E–.04 12–8 17 0-2
ISK XII 04 06 55 50.8 37.88N 26.68E 9–0 2.4L **¶602330089**
DDA XII 04 06 55 53.6 37.97N 26.72E 7 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISK XII 07 03 43 01.4 36.58N 27.95E 11–0 2.3L
¶602330264
ISK Event type ke.
ISC XII 08 05 23 05.2–1.3 36.13N–.04 27.54E–.03 12–11 39 0-3
ISK XII 08 05 23 03.6 36.03N 27.54E 5–0 2.7L **¶602330344**
ISCJB XII 08 05 23 04.9–.90 36.06N–.04 27.49E–.03 6–5 2.7L
ATH XII 08 05 23 05.4 36.18N 27.57E 36–7 2.6L
DDA XII 08 05 23 07.5 36.16N 27.69E 10 2.7L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.2km az=176.0.
ATH Event type ke. Error ellipse: s-maj=9.4km s-min=1.6km az=35.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XII 09 00 42 55.6–.90 36.91N–.02 28.94E–.02 13–7 64 0-55
IDC XII 09 00 42 53.3–1.4 36.86N 28.95E 0 3.8b,3.5 **¶602330398**
ATH XII 09 00 42 54.3 36.99N 28.89E 16–7 2.7L,3.5
ISCJB XII 09 00 42 55.4–.40 36.93N–.02 28.93E–.02 5–4 3.7b,3.0s
ISK XII 09 00 42 55.2 36.93N 28.93E 8–0 3.0L,3.0s
DDA XII 09 00 42 55.7 36.93N 28.98E 7 3.3L,3.0s
ISC Event type ke.

IDC Error ellipse: s-maj=25.2km s-min=20.0km az=147.0.
ATH Event type ke. Error ellipse: s-maj=8.6km s-min=1.1km az=178.0. Analyst: Agalos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=162.4.
ISK Event type ke.
DDA Event type ke.
ISC XII 09 08 27 01.9–1.2 36.56N–.04 27.91E–.03 16–11 18 0-1
ISK XII 09 08 27 00.2 36.60N 27.98E 25–3 2.9L **¶602330411**
DDA XII 09 08 27 02.8 36.66N 27.95E 6 2.5L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC XII 10 16 13 05.7–1.2 36.32N–.03 27.84E–.03 98–6 84 0-9
GII XII 10 16 13 02.5–.17 36.13N 27.75E 100 3.3 **¶602330451**
ISCJB XII 10 16 13 04.1–.39 36.19N–.03 27.96E–.03 114–6 3.3
ISK XII 10 16 13 06.2 36.33N 27.73E 88–0 3.2L
ATH XII 10 16 13 07.6 36.38N 27.72E 82–7 3.4L
HLW XII 10 16 13 08.4 35.98N 27.87E 9–12 3.7
THE XII 10 16 13 09.7 36.36N 27.72E 77–4 3.1L
DDA XII 10 16 13 10.6 36.50N 27.98E 52 3.4L
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=178.6.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.9km s-min=1.6km az=105.0. Analyst: M.Papanikolaou
ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=1.0km az=88.0.
DDA Event type ke.
ISC XII 10 21 18 58.9–1.0 36.26N–.03 27.72E–.02 19–2 63 0-9
ATH XII 10 21 18 58.9 36.37N 27.80E 27–7 2.8L **¶602330456**
ISCJB XII 10 21 18 58.5–.62 36.29N–.03 27.77E–.03 8–5 2.8L
ISK XII 10 21 18 58.2 36.28N 27.71E 10–0 3.0L
THE XII 10 21 18 59.3 36.36N 27.76E 1–0 2.8L
DDA XII 10 21 18 60.0 36.32N 27.74E 7 2.9L
GII XII 10 21 19 07.2–.00 36.05N 28.21E 30 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.9km s-min=0.9km az=104.0. Analyst: A.ANDREOU ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=23.2.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=68.0.
DDA Event type ke.
GII Event type ke.
ISC XII 11 12 08 12.0–1.6 35.31N–.04 27.72E–.03 16–11 3.3b 80 1-78
THE XII 11 12 08 07.3 35.04N 28.14E 8–3 3.5L **¶602330484**
ATH XII 11 12 08 09.6 35.26N 27.76E 7–3 3.4L
ISK XII 11 12 08 09.7 35.39N 27.62E 4–0 3.7L
IDC XII 11 12 08 09.4–1.1 35.10N 27.83E 0 3.6,3.5L
ISCJB XII 11 12 08 09.1–.93 35.24N–.03 27.77E–.03 3–6 3.2b,2.8s
GII XII 11 12 08 13.1–.81 35.41N 27.75E 36 3.2b,2.8s
DDA XII 11 12 08 46.2 35.18N 27.48E 13 3.6L,2.8s
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.8km az=140.0.
ATH Event type ke. Error ellipse: s-maj=10.2km s-min=1.4km az=324.0. Analyst: Plessa ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=15.9km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=162.8.
GII Event type ke.
DDA Event type ke.
ISC XII 12 18 52 19.6–.99 36.10N–.02 27.51E–.02 15–7 3.6b 142 1-79
ISK XII 12 18 52 17.2 36.06N 27.47E 5–0 3.9L **¶602090180**
IDC XII 12 18 52 17.6–.80 36.12N 27.47E 0 3.8b,3.8
ATH XII 12 18 52 18.7 36.09N 27.49E 20–2 3.5L,3.8
DDA XII 12 18 52 18.6 36.13N 27.44E 24 3.5L,3.8
THE XII 12 18 52 20.6 36.14N 27.52E 9–2 3.5L,3.8
ISCJB XII 12 18 52 20.1–.53 36.08N–.02 27.50E–.02 22–4 3.6b,3.1s
NIC XII 12 18 52 25.0–.40 35.34N 27.70E 96 4.6b,4.3L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=13.5km az=154.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=28.0. Analyst: Agalos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=176.3.
ISC XII 13 12 22 13.6–1.1 36.19N–.03 27.48E–.02 8–10 81 1-3
ISK XII 13 12 22 12.4 36.05N 27.50E 5–0 3.5L **¶602330607**
ATH XII 13 12 22 14.0 36.14N 27.46E 19–2 3.3L
THE XII 13 12 22 15.4 36.16N 27.51E 2–2 3.5L
DDA XII 13 12 22 16.2 36.17N 27.62E 6 3.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=18.0. Analyst: Ch. Ventouzi ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=14.0.
DDA Event type ke.
ISC XII 13 12 36 46.8–1.2 36.12N–.04 27.53E–.03 7–11 32 0-2
ISK XII 13 12 36 44.8 36.10N 27.49E 5–0 2.9L **¶602330608**
ATH XII 13 12 36 46.9 35.96N 27.65E 28–11 3.0L
DDA XII 13 12 36 49.5 36.36N 27.50E 7 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=15.1km s-min=1.4km az=98.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XII 13 14 40 23.6–1.1 36.09N–.03 27.57E–.02 7–10 47 0-14
ATH XII 13 14 40 23.6 36.15N 27.48E 20–5 2.7L **¶602330610**
DDA XII 13 14 40 23.3 36.07N 27.54E 4 3.0L
ISK XII 13 14 40 23.0 36.07N 27.56E 7–0 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=1.0km az=65.0. Analyst: g.panopoulou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISK Event type ke.
ISC XII 15 12 41 33.4–1.2 36.94N–.02 28.96E–.02 1–9 3.9b 67 0-40
ISK XII 15 12 41 31.9 36.92N 28.92E 5–0 3.4L **¶602330683**
DDA XII 15 12 41 32.9 36.95N 28.94E 4 3.5L
THE XII 15 12 41 34.0 36.87N 28.96E 0–1 2.9L
IDC XII 15 12 41 37.3–2.3 36.52N 29.25E 41–24 3.6,3.5
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=49.0.
IDC Error ellipse: s-maj=45.0km s-min=9.7km az=148.0.
ISC XII 16 07 03 10.1–.71 35.32N–.03 27.69E–.02 12–4 4.1b,3.6s 593 1-142
ISK XII 16 07 03 05.7 35.29N 27.64E 5–0 4.2L,3.6s **¶602043799**
NIC XII 16 07 03 08.7–.10 35.79N 27.52E 41 4.7b,4.4L
IDC XII 16 07 03 08.2–.53 35.40N 27.65E 0 4.1,4.1
ISCJB XII 16 07 03 09.1–.49 35.25N–.01 27.75E–.01 18–4 4.1b,3.6s
HLW XII 16 07 03 09.7 35.52N 27.70E 33–42 4.2L,3.6s
DDA XII 16 07 03 09.7 35.36N 27.73E 27 4.1L,3.6s
NEIC XII 16 07 03 10.4–.00 35.43N 27.70E 1 4.2L,4.1L
MOS XII 16 07 03 10.0–1.2 35.25N 27.71E 22 4.3b,4.1L
ATH XII 16 07 03 10.9 35.46N 27.66E 30–2 4.1L,4.1L
THE XII 16 07 03 10.7 35.45N 27.69E 0–0 4.1L,4.1L
GII XII 16 07 03 12.1–.00 35.08N 27.99E 1 3.7,4.1L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=9.3km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=26.6.
DDA Event type ke.
NEIC Event type se. After THE.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=100.6.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=97.0. Analyst: g.panopoulou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=145.0.
GII Event type ke.
ISC XII 18 00 39 52.0–1.5 35.47N–.07 27.52E–.05 17–11 25 1-2
DDA XII 18 00 39 48.1 35.33N 27.35E 7 2.5L **¶602328958**
ISK XII 18 00 39 49.9 35.45N 27.45E 9–0 2.5L
ATH XII 18 00 39 50.8 35.40N 27.61E 11–4 2.2L
ISCJB XII 18 00 39 52.3–1.4 35.40N–.08 27.64E–.08 25–11 2.2L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ATH Event type ke. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All
distances are expressed in km.
ISCJB Event type ke.
ISC XII 18 00 48 34.8–.88 36.84N–.03 27.47E–.03 17–7 34 0-2
DDA XII 18 00 48 34.0 36.79N 27.34E 7 3.1L **¶602328960**
ISCJB XII 18 00 48 35.4–.43 36.83N–.03 27.43E–.03 6–4 3.1L
ATH XII 18 00 48 35.1 36.80N 27.36E 28–2 2.4L
ISK XII 18 00 48 35.1 36.84N 27.45E 6–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=141.7.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=224.0. Analyst: Agalos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISC XII 19 00 15 24.4–1.2 37.30N–.03 26.66E–.03 8–11 35 0-2
ISK XII 19 00 15 22.9 37.31N 26.62E 5–0 2.3L **¶602329003**
ISCJB XII 19 00 15 24.5–.49 37.30N–.03 26.62E–.03 0–7 2.3L
THE XII 19 00 15 24.8 37.29N 26.62E 2–3 2.0L
ATH XII 19 00 15 24.2 37.25N 26.70E 21–31 2.1L
DDA XII 19 00 15 25.9 37.32N 26.72E 7 2.6L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=161.4.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.5km az=64.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.1km az=0.0. Analyst: SpLiakopoulos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XII 20 14 29 48.2–1.1 36.95N–.06 27.99E–.03 7–9 20 0-1
DDA XII 20 14 29 50.7 36.96N 27.90E 7 2.7L **¶602329094**
ISK XII 20 14 29 50.1 36.89N 27.94E 24–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XII 21 22 48 38.3–.86 36.81N–.02 27.42E–.02 10–6 101 0-4
ISK XII 21 22 48 37.6 36.83N 27.46E 3–0 3.9L **¶602329138**
DDA XII 21 22 48 37.2 36.83N 27.40E 1 3.8L
ISCJB XII 21 22 48 38.2–.35 36.82N–.02 27.42E–.02 7–3 3.8L
ATH XII 21 22 48 38.1 36.81N 27.41E 28–1 3.6L
THE XII 21 22 48 38.2 36.83N 27.45E 0–1 3.4L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=43.6.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=73.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=202.0.
ISC XII 24 22 41 15.7–.87 36.73N–.02 26.59E–.01 20–3 4.2b 501 0-152
IDC XII 24 22 41 12.4–.52 36.74N 26.57E 0 4.0,4.0b **¶602058087**
ISK XII 24 22 41 13.0 36.73N 26.49E 6–0 4.1L,4.0b
DDA XII 24 22 41 13.4 36.70N 26.54E 37 4.4L,4.0b
ATH XII 24 22 41 14.7 36.80N 26.61E 28–0 4.0L,4.0b
ISCJB XII 24 22 41 15.7–.28 36.75N–.01 26.62E–.01 30–2 4.1b,4.0b
NEIC XII 24 22 41 15.1–.00 36.78N 26.62E 10 4.2L,4.2b
THE XII 24 22 41 15.4 36.81N 26.58E 7–1 4.0L,4.2b
MOS XII 24 22 41 15.4–.87 36.80N 26.52E 23 4.4b,4.2b
HLW XII 24 22 41 17.0 36.77N 26.81E 33–38 4.4L,4.2b
GII XII 24 22 41 19.2–.00 36.56N 26.75E 30 4.4L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=10.4km az=150.0.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=220.0. Analyst: K.L. ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=177.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=352.0.
MOS Error ellipse: s-maj=7.3km s-min=4.2km az=89.4.
GII Event type ke.
ISC XII 25 08 46 09.1–1.6 36.76N–.05 26.69E–.05 30–15 22 1-2
ISCJB XII 25 08 46 07.9–1.7 36.74N–.05 26.64E–.05 14–12 **¶603913495**
ATH XII 25 08 46 07.2 36.75N 26.67E 29–5 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.0km az=139.5.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.4km az=337.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XII 26 21 29 34.2–.88 36.62N–.02 25.74E–.02 13–7 84 0-3
ATH XII 26 21 29 33.9 36.62N 25.82E 20–1 2.6L **¶602329396**
ISK XII 26 21 29 33.9 36.57N 25.74E 5–0 2.7L
ISCJB XII 26 21 29 34.9–.40 36.61N–.02 25.76E–.03 3–4 2.7L
THE XII 26 21 29 34.6 36.63N 25.75E 10–1 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=288.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=29.9.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=289.0.
ISC XII 26 21 38 53.1–.84 36.65N–.02 25.73E–.02 14–7 72 0-2
ISK XII 26 21 38 51.9 36.69N 25.48E 18–0 2.3L **¶602329397**
ATH XII 26 21 38 52.1 36.64N 25.79E 25–1 2.5L
ISCJB XII 26 21 38 53.4–.32 36.65N–.02 25.70E–.04 13–3 2.5L
DDA XII 26 21 38 53.9 36.57N 25.82E 2 2.7L
THE XII 26 21 38 53.3 36.65N 25.74E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=285.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=28.7.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=266.0.
ISC XII 27 16 09 09.0–1.2 36.16N–.03 28.96E–.02 18–6 3.5b 127 0-56
NIC XII 27 16 09 10.0–.30 36.40N 28.87E 25 4.3b,3.9L **¶602059906**
ISK XII 27 16 09 09.7 36.20N 28.86E 17–0 4.0L,3.9L
DDA XII 27 16 09 10.3 36.23N 28.92E 25 4.0L,3.9L
THE XII 27 16 09 10.9 36.24N 28.93E 6–0 3.6L,3.9L
ATH XII 27 16 09 10.3 36.22N 28.95E 38–2 3.6L,3.9L
ISCJB XII 27 16 09 10.7–.42 36.14N–.03 28.94E–.02 32–3 3.5b,3.9L
IDC XII 27 16 09 11.4–1.4 36.12N 28.98E 43–19 3.6,3.6
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.2km az=71.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=166.0. Analyst: Agalos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=6.7.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=168.0.
ISC XII 29 08 19 51.9–2.9 36.54N–.09 26.78E–.06 140–24 21 1-2

ISCJB	XII	29 08 19 53.2–1.6	36.5N–.10	26.81E–.08	125–19			¶603003209
ATH	XII	29 08 19 53.5	36.47N	26.76E	126–9	2.5L		
THE	XII	29 08 19 54.0	36.83N	26.63E	60–24	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=8.3km az=156.2.
ATH Event type ke. Error ellipse: s-maj=9.5km s-min=2.9km az=331.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=24.4km s-min=0.9km az=154.0.

ISC	**XII**	**29 18 26 19.7–.98**	**37.86N–.04**	**26.84E–.04**	**15–7**		**25**	**0-2**
ISCJB	XII	29 18 26 19.5–.63	37.85N–.03	26.83E–.05	9–5			¶602329553
DDA	XII	29 18 26 19.6	37.86N	26.84E	7	2.6L		
ISK	XII	29 18 26 19.3	37.85N	26.82E	8–0	2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.9km az=150.0.
DDA Event type ke.
ISK Event type ke.

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ISC	**VII**	**04 05 57 58.4–1.3**	**34.73N–.07**	**24.73E–.03**	**22–3**		**43**	**0-1**
ATH	VII	04 05 57 59.0	34.78N	24.74E	25–4	2.6L		¶602027422
ISCJB	VII	04 05 57 59.4–1.1	34.76N–.07	24.74E–.04	23–15	2.6L		
THE	VII	04 05 57 59.6	34.78N	24.71E	19–1	2.5L		
CSEM	VII	04 05 57 59.1–.25	34.76N	24.74E	18–1	2.6L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.3km az=355.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.5km az=170.9.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.5km az=172.0.

ISC	**VII**	**04 23 46 36.9–.44**	**35.07N–.03**	**26.64E–.02**	**56–3**	**4.8b,4.0s**	**1353**	**0-125**
ISK	VII	04 23 46 28.7	34.65N	26.61E	17–0	5.0L,4.0s		¶601242105
BJI	VII	04 23 46 30.6	34.75N	26.26E	38	5.0b,4.9b		
GII	VII	04 23 46 33.1–.36	34.95N	26.71E	60	4.6b,4.6		
PDG	VII	04 23 46 33.3–.24	34.57N	25.68E	68–7	4.9L,4.6		
NIC	VII	04 23 46 34.7–.10	34.93N	26.83E	80	4.9b,4.6L		
ISCJB	VII	04 23 46 34.6–.20	34.98N–.01	26.70E–.01	52–1	4.8b,3.9s		
MOS	VII	04 23 46 36.7–1.1	35.15N	26.58E	65	5.0b,3.9s		
ATH	VII	04 23 46 36.7	35.09N	26.65E	61–2	4.6L,3.9s		
DDA	VII	04 23 46 38.0	35.16N	27.00E	34	5.0L,3.9s		
GCMT	VII	04 23 46 38.8–.30	34.87N	26.73E	32–1	5.0W,3.9s		
CSEM	VII	04 23 46 38.1–.10	35.14N	26.66E	67	4.8b,4.7W		
NEIC	VII	04 23 46 38.8–.00	35.08N	26.65E	52	4.8b,4.6L		
THE	VII	04 23 46 38.8	35.08N	26.65E	52–2	4.6L,4.6L		
IDC	VII	04 23 46 38.2–1.4	35.04N	26.57E	70–13	4.7,4.5		
HLW	VII	04 23 46 39.1	34.59N	27.12E	23–31	4.4,4.5		

ISC Event type ke.
ISK Event type ke.
GII Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.8km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=10.3.
MOS Error ellipse: s-maj=5.2km s-min=2.8km az=93.7.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=156.0.
DDA Event type ke.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s31,c34; s91,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.20 $M_{\theta\theta}$3.78±.12; $M_{\phi\phi}$-3.40±.14; $M_{r\theta}$1.15±.19; $M_{\theta\phi}$0.59±.11; $M_{\phi r}$0.84±.19; Best double couple: NP1:ϕ_s41.00000°,δ89.00000° ,λ159.00000°. NP2:ϕ_s131.00000°,δ69.00000°,λ1.00000°. Principal axes: T 4.1590,Plg15.0000°,Azm354.0000°; N -0.5260,Plg69.0000°,Azm218.0000° ; P -3.6310,Plg14.0000°,Azm88.0000° M_o3.89500×10^{16}
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=1.0.
NEIC Event type se. After THE.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=167.0.
IDC Error ellipse: s-maj=12.5km s-min=9.3km az=169.0.

ATH	**VII**	**05 00 39 18.3**	**34.74N**	**26.79E**	**33–2**	**2.1L**		
CSEM	VII	05 00 39 18.3	34.74N	26.79E	33	2.1L		¶603224943

ATH Event type ke. Error ellipse: s-maj=5.6km s-min=1.5km az=340.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.

ISC	**VII**	**06 05 17 34.1–.95**	**35.49N–.03**	**23.44E–.02**	**18–4**	**3.8b**	**148**	**0-77**
CSEM	VII	06 05 17 33.3–.32	35.47N	23.36E	2	4.0L		¶601505945
THE	VII	06 05 17 34.1	35.49N	23.44E	4–1	3.7L		
ATH	VII	06 05 17 34.1	35.53N	23.45E	17–1	3.7L		
ISCJB	VII	06 05 17 34.1–.56	35.45N–.03	23.39E–.03	15–5	3.7b		
IDC	VII	06 05 17 37.5–2.1	35.33N	23.58E	53–23	4.0L,3.8		
DDA	VII	06 05 18 12.7	35.41N	23.53E	28	4.0L,3.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.2km az=40.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=179.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=41.7.
IDC Error ellipse: s-maj=26.2km s-min=18.1km az=168.0.
DDA Event type ke.

ISC	**VII**	**06 08 49 16.0–1.1**	**35.44N–.03**	**23.39E–.03**	**11–7**	**3.5b**	**160**	**0-45**
ISCJB	VII	06 08 49 16.6–.65	35.48N–.03	23.43E–.03	9–4	3.3b		¶601663535
ATH	VII	06 08 49 16.6	35.50N	23.43E	20–0	3.4L		
THE	VII	06 08 49 16.8	35.49N	23.44E	3–1	3.4L		
CSEM	VII	06 08 49 17.5–.20	35.48N	23.46E	10	3.4L		
IDC	VII	06 08 49 21.1–2.3	35.17N	23.73E	60–23	3.7L,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=2.8km az=39.2.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=224.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=191.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.2km az=38.0.
IDC Error ellipse: s-maj=50.6km s-min=22.9km az=143.0.

ATH	**VII**	**10 03 38 27.9**	**35.62N**	**26.53E**	**44–5**	**1.8L**		
CSEM	VII	10 03 38 27.9	35.62N	26.53E	44	1.8L		¶603225202

ATH Event type ke. Error ellipse: s-maj=7.8km s-min=1.6km az=132.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.

ISC	**VII**	**15 12 20 09.9–1.2**	**34.26N–.03**	**25.19E–.02**	**23–11**	**3.9b**	**178**	**1-46**
CSEM	VII	15 12 20 09.8–.31	34.28N	25.21E	10	3.0L		¶601664624
IDC	VII	15 12 20 10.5–3.7	34.29N	25.07E	26–22	3.9,3.8L		
THE	VII	15 12 20 10.4	34.31N	25.14E	0–1	3.0L,3.8L		
HLW	VII	15 12 20 12.0	34.06N	25.54E	7–10	3.8L,3.5		
ISK	VII	15 12 20 12.4	34.44N	25.30E	64–0	3.8L,3.5		
ATH	VII	15 12 20 12.4	34.48N	25.14E	25–1	3.0L,3.5		
DDA	VII	15 12 21 11.4	34.68N	25.33E	12	3.6,3.5		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=22.0.
IDC Error ellipse: s-maj=28.4km s-min=18.4km az=152.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=173.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=179.0.

ISC	**VII**	**18 19 37 19.6–.54**	**34.20N–.03**	**25.28E–.02**	**32–3**	**4.9b,3.9s**	**1256**	**1-124**
PDG	VII	18 19 37 12.3–.25	34.19N	25.39E	13–4	4.8L,3.9s		¶601405098
NEIC	VII	18 19 37 16.9–.24	34.13N	25.20E	10	4.9b,4.5L		
ISCJB	VII	18 19 37 16.9–.44	34.14N–.02	25.29E–.02	25–3	4.8b,3.9s		
ISK	VII	18 19 37 17.9	34.13N	25.14E	34–1	4.4L,3.9s		
BJI	VII	18 19 37 17.5	34.22N	24.94E	38	4.9b,4.8b		
MOS	VII	18 19 37 17.5–1.2	34.23N	25.19E	24	5.0b,4.8b		
ATH	VII	18 19 37 18.3	34.12N	25.21E	27–3	4.4L,4.8b		
HLW	VII	18 19 37 18.0	34.34N	25.44E	27–13	4.7,4.8b		
CSEM	VII	18 19 37 19.5–.09	34.15N	25.25E	30	4.9b,4.8b		
IDC	VII	18 19 37 21.4–1.2	34.23N	25.19E	43–10	4.6,4.5		
THE	VII	18 19 37 21.7	34.29N	25.25E	11–2	4.5L,4.5		
DDA	VII	18 19 37 25.6	34.24N	25.22E	12	4.5L,4.5		
GII	VII	18 19 37 25.0–.70	34.06N	25.82E	40	4.6b,4.5		
NIC	VII	18 19 37 26.2–.30	34.65N	25.87E	70	4.8b,4.4L		
TIR	VII	18 19 38 15.9	37.33N	21.95E	6	4.5,4.4L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=10.5km s-min=7.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=15.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=25.2.
ISK Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=2.8km az=88.9.
ATH Event type ke. Error ellipse: s-maj=6.0km s-min=1.9km az=355.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=25.0.
IDC Error ellipse: s-maj=10.5km s-min=9.4km az=152.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=95.0.
GII Event type ke.

ISC	**VII**	**19 05 16 02.0–1.8**	**34.8N–.10**	**24.11E–.07**	**18–3**		**37**	**0-2**
ATH	VII	19 05 15 58.9	34.58N	24.01E	14–5	3.6L		¶602027796
THE	VII	19 05 15 59.1	34.59N	23.98E	13–1	3.8L		
CSEM	VII	19 05 16 00.0–.68	34.62N	24.08E	10	3.8L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=2.3km az=34.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=355.0.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=8.6km az=11.0.

ISC	**VII**	**22 06 17 47.6–1.1**	**34.98N–.03**	**25.85E–.02**	**8–7**	**4.0b**	**264**	**0-85**
ATH	VII	22 06 17 47.0	35.00N	25.84E	20–0	3.7L		¶601664949
ISCJB	VII	22 06 17 47.3–.51	34.93N–.02	25.86E–.02	13–3	3.9b,3.8s		
THE	VII	22 06 17 48.3	34.97N	25.79E	0–1	3.7L,3.8s		
CSEM	VII	22 06 17 48.2–.19	35.00N	25.82E	5	3.7L,3.8s		
ISK	VII	22 06 17 50.7	35.19N	25.99E	11–0	3.8L,3.8s		
IDC	VII	22 06 17 53.0–1.9	34.90N	25.84E	54–19	4.0,3.9		
DDA	VII	22 06 18 09.9	35.88N	27.37E	38	3.4,3.9		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=4.7.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.0km az=175.0.
ISK Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=13.0km az=175.0.

ISC	**VII**	**23 23 07 15.9–1.2**	**34.86N–.07**	**24.18E–.05**	**25–9**		**35**	**0-2**
ATH	VII	23 23 07 14.6	34.83N	24.15E	30–1	2.5L		¶602027957
CSEM	VII	23 23 07 15.8–.19	34.86N	24.16E	20	2.6L		
THE	VII	23 23 07 15.2	34.84N	24.11E	28–1	2.6L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=205.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=26.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=218.0.

ISC	**VII**	**24 20 19 42.9–.59**	**34.88N–.04**	**23.36E–.03**	**44–5**	**4.6b,3.5s**	**841**	**1-119**
IDC	VII	24 20 19 36.6–.61	34.89N	23.32E	0	4.3b,4.2		¶601467937
BJI	VII	24 20 19 38.1	35.08N	22.92E	31	5.0b,4.7b		
BEO	VII	24 20 19 39.8–.90	34.96N	22.85E	0	4.2L,4.7b		
GII	VII	24 20 19 40.4–.95	34.99N	23.39E	60	4.2L,4.7b		
THE	VII	24 20 19 42.8	34.85N	23.24E	17–3	4.1L,4.7b		
ISCJB	VII	24 20 19 42.5–.31	34.91N–.02	23.35E–.02	57–2	4.5b,3.5s		
NEIC	VII	24 20 19 42.8–.00	34.85N	23.24E	17	4.5b,4.1L		
CSEM	VII	24 20 19 43.7–.17	34.91N	23.32E	53–1	4.7b,4.1L		
MOS	VII	24 20 19 43.9–1.1	35.08N	23.37E	58	4.8b,4.1L		
ATH	VII	24 20 19 43.8	34.97N	23.35E	41–2	4.1L,4.1L		
HLW	VII	24 20 19 46.2	34.53N	23.94E	9–26	4.3L,4.1		
DDA	VII	24 20 20 38.0	33.70N	28.22E	6	4.0L,4.1		

ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=12.0km az=177.0.
BEO Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.8km az=212.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=25.2.
NEIC Event type se. After THE.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=26.0.
MOS Error ellipse: s-maj=5.4km s-min=3.0km az=80.4.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.5km az=38.0.

ISC	**VIII**	**05 18 20 37.6–1.3**	**34.94N–.04**	**25.90E–.02**	**6–9**	**3.7b**	**78**	**0-43**
ISK	VIII	05 18 20 35.4	34.79N	25.89E	6–0	3.1L		¶601765508
ISCJB	VIII	05 18 20 36.7–.78	34.87N–.04	25.94E–.02	2–5	3.6b,2.7s		
IDC	VIII	05 18 20 36.5–1.3	34.85N	25.92E	0	3.7b,3.5		
ATH	VIII	05 18 20 37.6	34.93N	25.91E	19–1	3.4L,3.5		
THE	VIII	05 18 20 38.1	34.98N	25.89E	0–0	3.3L,3.5		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.3km az=176.2.
IDC Error ellipse: s-maj=25.8km s-min=11.0km az=14.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=170.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=175.0.

ISC	**VIII**	**05 18 40 19.2–1.1**	**34.10N–.04**	**26.24E–.03**	**19–3**	**4.0b**	**116**	**1-85**
GII	VIII	05 18 40 16.6–.00	34.20N	26.22E	30	3.5		¶601765511
IDC	VIII	05 18 40 17.2–1.0	34.15N	26.15E	0	4.1,4.0		
ISCJB	VIII	05 18 40 18.6–1.1	34.02N–.03	26.41E–.03	33–10	3.9b,3.0s		
HLW	VIII	05 18 40 20.9	34.27N	26.36E	23–17	3.9,3.0s		
ATH	VIII	05 18 40 22.6	34.31N	26.14E	25–2	3.1L,3.0s		
THE	VIII	05 18 40 23.4	34.30N	26.10E	1–5	3.1L,3.0s		
DDA	VIII	05 18 40 27.2	34.86N	25.92E	10	3.6L,3.0s		
NIC	VIII	05 18 40 29.9–.40	33.95N	26.96E	25	4.2b,3.7L		

ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=13.6km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=31.3.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=16.0.
THE Event type ke. Error ellipse: s-maj=8.0km s-min=2.1km az=151.0.
DDA Event type ke.

ISC	**VIII**	**07 07 48 19.0–.87**	**34.38N–.04**	**23.91E–.03**	**28–5**	**4.5b,4.1s**	**479**	**0-145**
BJI	VIII	07 07 48 13.2	33.96N	23.56E	26	5.2b,4.8s		¶601521563
IDC	VIII	07 07 48 14.1–.55	34.31N	23.90E	0	4.2,4.2b		
HLW	VIII	07 07 48 15.8	34.54N	24.22E	22–14	4.6L,4.3		
ISCJB	VIII	07 07 48 16.5–.60	34.25N–.02	23.92E–.02	24–4	4.4b,4.0s		
MOS	VIII	07 07 48 17.7–1.3	34.32N	23.95E	29	4.5b,4.0s		
PDG	VIII	07 07 48 18.6–.17	34.48N	23.14E	4–1	4.5L,4.0s		
ATH	VIII	07 07 48 18.5	34.41N	23.91E	24–0	3.8L,4.0s		
GCMT	VIII	07 07 48 18.4–.60	34.28N–.04	23.88E–.03	28–2	4.9W,4.0s		
NEIC	VIII	07 07 48 18.4–.00	34.40N	23.91E	24	4.5b,4.2L		
ISK	VIII	07 07 48 19.2	34.56N	24.01E	16–0	3.6L,4.2L		
GII	VIII	07 07 48 20.3–.00	34.42N	24.08E	30	3.6L,4.2L		
THE	VIII	07 07 48 20.1	34.52N	23.90E	0–4	3.9L,4.2L		

ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=10.7km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=28.6.
MOS Error ellipse: s-maj=7.1km s-min=3.8km az=84.6.
PDG Event type ke. Error ellipse: s-maj=4.6km s-min=1.8km az=90.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=19.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c30; s68,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65±.22 $M_{\theta\theta}$-1.97±.15; $M_{\phi\phi}$2.62±.16; $M_{r\theta}$0.81±.28; $M_{\theta\phi}$-0.74±.15; $M_{\phi r}$0.10±.27; Best double couple: NP1:ϕ_s309.00000°,δ73.00000°,λ-162.00000°. NP2:ϕ_s213.00000°,δ73.00000°,λ-17.00000°. Principal axes: T 2.7350,Plg0.0000° ,Azm81.0000°; N -0.2820,Plg66.0000°,Azm350.0000°; P -2.4530,Plg24.0000° ,Azm171.0000° M_o2.59400×10^{16}
NEIC Event type se. After ATH.
ISK Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=1.8km az=196.0.

ISC	**VIII**	**07 11 47 42.6–2.4**	**34.6N–.10**	**23.81E–.09**	**22–5**	**3.5b**	**22**	**0-45**
IDC	VIII	07 11 47 36.4–1.3	34.96N	23.18E	0	3.6b,3.5L		¶601765601
THE	VIII	07 11 47 42.6	34.57N	23.78E	2–5	3.1L,3.5L		
ATH	VIII	07 11 47 43.9	34.62N	23.83E	20–1	3.0L,3.5L		

ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=18.5km az=161.0.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.2km az=210.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=30.0.

ISC	**VIII**	**07 12 57 16.6–1.1**	**34.84N–.05**	**24.90E–.02**	**15–6**		**50**	**0-57**
IDC	VIII	07 12 57 14.4–1.6	35.55N	24.32E	0	3.9,3.9s		¶601765606
ISCJB	VIII	07 12 57 15.1–.96	34.75N–.05	24.91E–.03	5–5	3.9s,3.5b		
ATH	VIII	07 12 57 15.8	34.79N	24.90E	16–1	3.4L,3.5b		

THE	VIII	07 12 57 16.4	34.85N	24.90E	13–0	3.3L,3.5b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=27.3km s-min=11.9km az=27.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=178.3.						
ATH		Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=359.0.						
THE		Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=357.0.						
ISC	**VIII**	**07 22 54 23.8–1.9**	**34.43N–.07**	**23.71E–.08**	**17–9**	**3.5b**	**23**	**1-46**
IDC	VIII	07 22 54 20.9–1.6	35.24N	23.07E	0	3.5b,3.4		¶601765629
ATH	VIII	07 22 54 22.8	34.37N	23.71E	12–6	3.0L,3.4		
ISCJB	VIII	07 22 54 23.2–2.4	34.4N–.10	23.7E–.10	25–14	3.4b,2.3s		
THE	VIII	07 22 54 25.1	34.53N	23.72E	0–3	2.9L,2.3s		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=58.2km s-min=23.3km az=151.0.						
ATH		Event type ke. Error ellipse: s-maj=6.9km s-min=2.9km az=15.0.						
ISCJB		Event type ke. Error ellipse: s-maj=18.4km s-min=16.8km az=174.6.						
THE		Event type ke. Error ellipse: s-maj=5.2km s-min=0.9km az=213.0.						
ATH	**VIII**	**08 01 29 22.9**	**34.96N**	**24.87E**	**11–3**	**2.4L**		
								¶603226590
ATH		Event type ke. Error ellipse: s-maj=6.6km s-min=1.1km az=187.0.						
ISC	**VIII**	**08 15 28 55.9–1.6**	**34.27N–.05**	**23.87E–.04**	**3–9**	**3.9b,3.2s**	**123**	**1-80**
GII	VIII	08 15 28 53.2–.00	34.40N	23.70E	1	3.9b,3.2s		¶601533490
ISCJB	VIII	08 15 28 56.2–.87	34.21N–.03	23.93E–.03	15–6	3.9b,3.2s		
IDC	VIII	08 15 28 56.0–.83	34.32N	23.90E	0	4.0,4.0L		
HLW	VIII	08 15 28 57.6	34.39N	24.33E	9–16	3.8L,3.7		
THE	VIII	08 15 29 00.4	34.50N	23.78E	0–3	3.7L,3.7		
ATH	VIII	08 15 29 03.8	34.70N	24.01E	29–1	3.4L,3.7		
ISK	VIII	08 15 29 18.3	35.38N	25.18E	12–0	2.9L,3.7		
BEO	VIII	08 15 29 32.1–1.4	36.78N	23.13E	0	3.2L,3.7		
ISC		Event type ke.						
GII		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=38.3.						
IDC		Error ellipse: s-maj=17.9km s-min=14.3km az=157.0.						
THE		Event type ke. Error ellipse: s-maj=5.4km s-min=1.5km az=208.0.						
ATH		Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=28.0.						
ISK		Event type ke.						
BEO		Event type ke.						
ISC	**VIII**	**10 13 32 50.6–.76**	**34.83N–.05**	**24.17E–.03**	**27–5**	**3.9b**	**69**	**0-98**
IDC	VIII	10 13 32 44.9–1.4	34.69N	23.97E	0	4.0b,3.9		¶601765730
ISCJB	VIII	10 13 32 48.7–.92	34.63N–.06	24.17E–.05	26–4	3.9b,3.7s		
ATH	VIII	10 13 32 50.7	34.80N	24.18E	26–1	3.7L,3.7s		
THE	VIII	10 13 32 52.3	34.90N	24.24E	8–1	3.7L,3.7s		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=25.9km s-min=14.6km az=160.0.						
ISCJB		Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=22.6.						
ATH		Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=197.0.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=217.0.						
ISC	**VIII**	**10 14 45 60.0–1.1**	**34.86N–.05**	**24.24E–.03**	**15–9**		**23**	**0-2**
THE	VIII	10 14 45 58.8	34.79N	24.19E	23–1	3.1L		¶602028297
ATH	VIII	10 14 45 59.9	34.86N	24.23E	15–2	3.0L		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=216.0.						
ATH		Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=200.0.						
ISC	**VIII**	**10 14 50 01.9–1.1**	**34.89N–.05**	**24.22E–.04**	**12–10**		**23**	**0-2**
THE	VIII	10 14 49 59.8	34.79N	24.15E	26–1	2.6L		¶602028298
ISCJB	VIII	10 14 50 01.2–1.1	34.8N–.10	24.24E–.04	15–9	2.6L		
ATH	VIII	10 14 50 01.2	34.88N	24.23E	15–2	2.4L		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=218.0.						
ISCJB		Event type ke. Error ellipse: s-maj=17.3km s-min=6.1km az=179.0.						
ATH		Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=194.0.						
ISC	**VIII**	**10 17 37 04.6–1.8**	**34.84N–.07**	**23.10E–.06**	**17–9**	**3.7b**	**55**	**1-61**
IDC	VIII	10 17 36 57.6–2.9	34.31N	22.90E	0	3.9L,3.7b		¶601765734
THE	VIII	10 17 37 05.3	34.88N	23.13E	0–1	3.4L,3.7b		
ATH	VIII	10 17 37 07.7	35.03N	23.29E	26–2	3.4L,3.7b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=51.7km s-min=24.7km az=20.0.						
THE		Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=213.0.						
ATH		Event type ke. Error ellipse: s-maj=6.4km s-min=1.8km az=41.0.						
ISC	**VIII**	**13 12 14 32.4–.73**	**34.50N–.04**	**25.39E–.03**	**22–4**	**3.8b**	**70**	**1-45**
IDC	VIII	13 12 14 28.8–1.4	34.41N	25.51E	0	3.8,3.8b		¶601765804
ISCJB	VIII	13 12 14 31.5–.68	34.41N–.03	25.44E–.04	27–6	3.6b,3.8b		
HLW	VIII	13 12 14 34.4	34.40N	25.65E	20–10	3.8L,3.8		
THE	VIII	13 12 14 34.4	34.58N	25.27E	0–0	3.2L,3.8		
ATH	VIII	13 12 14 36.0	34.75N	25.25E	44–1	3.3L,3.8		
DDA	VIII	13 12 15 14.0	36.88N	27.74E	6	2.8L,3.8		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=23.6km s-min=12.9km az=47.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=137.4.						
THE		Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=169.0.						
ATH		Event type ke. Error ellipse: s-maj=4.0km s-min=1.5km az=351.0.						
DDA		Event type ke.						
ISC	**VIII**	**15 10 28 11.5–1.8**	**34.40N–.08**	**23.74E–.06**	**15–10**	**3.6b**	**30**	**1-57**
ATH	VIII	15 10 28 08.0	34.31N	23.63E	18–3	3.3L		¶601765883
IDC	VIII	15 10 28 08.3–1.4	34.07N	24.14E	0	4.6s,4.6		
THE	VIII	15 10 28 10.3	34.41N	23.68E	0–3	3.3L,4.6		
ISC		Event type ke.						
ATH		Event type ke. Error ellipse: s-maj=6.6km s-min=2.4km az=39.0.						
IDC		Error ellipse: s-maj=36.9km s-min=23.0km az=135.0.						
THE		Event type ke. Error ellipse: s-maj=5.0km s-min=1.0km az=217.0.						
ISC	**VIII**	**21 19 37 45.6–1.8**	**34.41N–.06**	**24.19E–.04**	**1–10**	**3.9b**	**53**	**0-117**
ISCJB	VIII	21 19 37 43.4–1.2	34.26N–.04	24.13E–.05	6–7	3.7b,3.4s		¶601766270
THE	VIII	21 19 37 45.1	34.35N	24.09E	0–2	3.5L,3.4s		
IDC	VIII	21 19 37 45.3–1.1	34.48N	24.23E	0	3.8b,3.8		
ATH	VIII	21 19 37 46.6	34.42N	24.21E	13–4	3.3L,3.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.6km s-min=7.0km az=135.9.						
THE		Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=222.0.						
IDC		Error ellipse: s-maj=21.4km s-min=16.7km az=169.0.						
ATH		Event type ke. Error ellipse: s-maj=5.8km s-min=1.6km az=21.0.						
ISC	**VIII**	**28 22 37 06.3–1.3**	**34.95N–.05**	**26.06E–.02**	**3–8**	**3.8b**	**129**	**0-82**
IDC	VIII	28 22 37 05.7–1.1	34.84N	26.04E	0	3.8,3.8b		¶601630290
ATH	VIII	28 22 37 06.1	34.94N	26.10E	11–1	3.6L,3.8b		
THE	VIII	28 22 37 06.8	34.99N	26.08E	1–1	3.6L,3.8b		
ISK	VIII	28 22 37 08.0	35.05N	26.15E	5–0	3.2L,3.8b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=22.1km s-min=9.6km az=8.0.						
ATH		Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=349.0.						
THE		Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=169.0.						
ISK		Event type ke.						
ISC	**VIII**	**29 21 53 50.7–1.2**	**34.27N–.05**	**26.78E–.04**	**34–3**	**3.6b,3.6s**	**77**	**1-83**
GII	VIII	29 21 53 32.0–.00	34.33N	25.61E	1	3.6b,3.6s		¶601755584
IDC	VIII	29 21 53 46.9–1.2	34.43N	26.65E	0	3.7b,3.6		
ISCJB	VIII	29 21 53 49.7–.42	34.19N–.04	26.81E–.03	46–7	3.6s,3.5b		
ATH	VIII	29 21 53 49.9	34.22N	26.71E	35–4	2.7L,3.5b		
ISK	VIII	29 21 53 51.7	34.46N	26.61E	24–1	2.9L,3.5b		
THE	VIII	29 21 53 53.7	34.56N	26.71E	0–2	2.5L,3.5b		
ISC		Event type ke.						
GII		Event type ke.						
IDC		Error ellipse: s-maj=22.8km s-min=20.9km az=18.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=29.0.						
ATH		Event type ke. Error ellipse: s-maj=5.0km s-min=2.0km az=339.0.						
ISK		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=6.2km s-min=2.0km az=172.0.						
ISC	**VIII**	**31 19 28 18.3–1.6**	**34.72N–.07**	**23.79E–.04**	**9–9**	**3.6b**	**46**	**0-46**
IDC	VIII	31 19 28 16.5–1.2	34.51N	23.80E	0	3.5,3.5		¶601755791
ISCJB	VIII	31 19 28 17.6–1.1	34.63N–.05	23.79E–.04	9–5	3.4b,3.5		
THE	VIII	31 19 28 19.0	34.76N	23.80E	0–2	3.1L,3.5		
ATH	VIII	31 19 28 20.1	34.84N	23.84E	5–2	3.0L,3.5		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=25.6km s-min=17.0km az=170.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.0km s-min=6.1km az=8.7.						
THE		Event type ke. Error ellipse: s-maj=4.2km s-min=0.9km az=208.0.						
ATH		Event type ke. Error ellipse: s-maj=6.9km s-min=1.5km az=33.0.						
ISC	**IX**	**01 07 24 58.0–1.0**	**35.74N–.01**	**25.91E–.02**	**11–8**	**3.6b**	**182**	**1-56**
IDC	IX	01 07 24 55.4–1.4	35.16N	26.25E	0	3.8,3.8s		¶601862703
ISK	IX	01 07 24 57.6	35.72N	25.93E	10–0	3.3L,3.8s		
ATH	IX	01 07 24 57.9	35.75N	25.90E	29–0	3.4L,3.8s		
THE	IX	01 07 24 58.6	35.76N	25.89E	7–1	3.7L,3.8s		
ISCJB	IX	01 07 24 58.3–.54	35.74N–.01	25.90E–.02	12–4	3.8s,3.6b		
DDA	IX	01 07 25 23.4	36.62N	27.59E	38	2.7L,3.6b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=34.4km s-min=22.4km az=136.0.						
ISK		Event type ke.						
ATH		Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=265.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.						
THE		Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=46.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=3.8.						
DDA		Event type ke.						
ISC	**IX**	**01 11 49 44.1–1.1**	**34.96N–.06**	**23.22E–.05**	**51–12**	**3.3b**	**83**	**1-45**
IDC	IX	01 11 49 37.7–1.2	34.94N	23.35E	0	3.8L,3.5		¶601862718
ISCJB	IX	01 11 49 43.8–.65	34.98N–.05	23.21E–.05	63–6	3.2b,3.5		
ATH	IX	01 11 49 43.3	34.99N	23.19E	60–5	3.3L,3.5		
THE	IX	01 11 49 45.6	34.99N	23.24E	38–7	3.2L,3.5		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=27.0km s-min=20.6km az=175.0.						
ISCJB		Event type ke. Error ellipse: s-maj=10.6km s-min=4.2km az=36.3.						
ATH		Event type ke. Error ellipse: s-maj=5.8km s-min=1.0km az=56.0. Analyst: A. Ganas ML Amplitudes are expressed in micrometres All distances are expressed in km.						
THE		Event type ke. Error ellipse: s-maj=7.8km s-min=0.7km az=64.0.						
ISC	**IX**	**02 12 26 06.3–2.2**	**34.54N–.08**	**23.43E–.05**	**3–13**	**3.7b**	**36**	**1-57**
IDC	IX	02 12 26 04.0–1.4	34.17N	23.69E	0	3.8,3.8b		¶601862787
ATH	IX	02 12 26 07.1	34.61N	23.46E	7–3	2.9L,3.8b		
THE	IX	02 12 26 09.3	34.71N	23.56E	0–8	3.1L,3.8b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=29.0km s-min=19.8km az=146.0.						
ATH		Event type ke. Error ellipse: s-maj=5.4km s-min=1.9km az=33.0. Analyst: A. Ganas ML Amplitudes are expressed in micrometres All distances are expressed in km.						
THE		Event type ke. Error ellipse: s-maj=12.6km s-min=2.2km az=219.0.						
ISC	**IX**	**03 11 24 38.6–.81**	**34.57N–.04**	**24.72E–.04**	**35–2**	**3.9b,3.1s**	**169**	**0-118**
ISCJB	IX	03 11 24 38.4–.29	34.55N–.03	24.64E–.03	61–3	3.8b,3.1s		¶601862863
IDC	IX	03 11 24 41.0–1.3	34.83N	24.60E	49–8	3.9,3.8		
HLW	IX	03 11 24 40.7	34.48N	25.20E	12–15	3.8,3.7L		
ATH	IX	03 11 24 41.8	34.84N	24.60E	42–1	3.7L,3.7L		
THE	IX	03 11 24 43.3	34.81N	24.61E	24–0	3.8L,3.7L		
GII	IX	03 11 24 46.4–.00	34.49N	25.68E	1–0	3.8L,3.7L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=41.0.						
IDC		Error ellipse: s-maj=17.9km s-min=15.8km az=10.0.						
ATH		Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=187.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.						
THE		Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=352.0.						
GII		Event type ke.						
ISC	**IX**	**03 16 22 02.2–.98**	**35.75N–.02**	**25.92E–.02**	**17–6**	**4.0b**	**239**	**1-77**
IDC	IX	03 16 21 59.7–.63	35.67N	25.89E	0	4.0,4.0b		¶601672871
NEIC	IX	03 16 22 01.6–1.1	35.64N	25.94E	11–8	4.0L,3.9b		
ATH	IX	03 16 22 01.9	35.77N	25.90E	30–1	3.9L,3.9b		
ISK	IX	03 16 22 01.8	35.76N	25.84E	9–0	3.4L,3.9b		
THE	IX	03 16 22 02.5	35.76N	25.89E	4–0	4.0L,3.9b		
ISCJB	IX	03 16 22 03.0–.26	35.74N–.01	25.89E–.02	26–2	4.0b,3.0s		
HLW	IX	03 16 22 06.0	35.32N	26.57E	0–5	4.2,4.1L		
GII	IX	03 16 22 09.6–.00	35.15N	26.24E	32–0	4.1b,3.6		
DDA	IX	03 16 22 38.7	35.74N	25.91E	31	4.2L,3.6		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=16.5km s-min=10.7km az=161.0.						
NEIC		Event type fe. Error ellipse: s-maj=7.7km s-min=5.1km az=198.0. Felt at Irakleio.						
ATH		Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=108.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.						
ISK		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=240.0.						
ISCJB		Event type fe. Error ellipse: s-maj=2.4km s-min=2.4km az=40.4.						
GII		Event type ke.						
DDA		Event type ke.						
ISC	**IX**	**03 17 47 13.1–.99**	**35.75N–.02**	**25.88E–.03**	**16–9**		**65**	**1-3**
ATH	IX	03 17 47 12.7	35.76N	25.87E	27–2	3.1L		¶602029062
ISCJB	IX	03 17 47 13.6–.34	35.75N–.02	25.86E–.03	21–5	3.1L		
THE	IX	03 17 47 13.0	35.76N	25.89E	6–1	3.2L		
DDA	IX	03 17 47 43.6	35.01N	25.11E	10	3.0L		
ISC		Event type ke.						
ATH		Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=84.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.						
ISCJB		Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=173.4.						
THE		Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=80.0.						
DDA		Event type ke.						
ISC	**IX**	**11 18 49 50.2–1.8**	**34.6N–.10**	**23.89E–.07**	**29**		**27**	**0-45**
THE	IX	11 18 49 46.9	34.53N	23.64E	0–8			¶601863369
ATH	IX	11 18 49 52.9	34.79N	23.97E	13–2	2.7L		
IDC	IX	11 18 49 54.1–7.7	34.64N	24.09E	62–25	3.6b,3.5		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=12.0km s-min=3.5km az=194.0.						
ATH		Event type ke. Error ellipse: s-maj=4.5km s-min=1.6km az=35.0. Analyst: A. Ganas ML Amplitudes are expressed in micrometres All distances are expressed in km.						
IDC		Error ellipse: s-maj=107.7km s-min=43.9km az=27.0.						
ISC	**IX**	**12 03 27 45.3–.41**	**34.83N–.02**	**24.07E–.02**	**30–2**	**5.6b,5.0s**	**2356**	**0-161**
BJI	IX	12 03 27 39.5	34.71N	23.62E	23	5.8b,5.6b		¶606542219
GII	IX	12 03 27 41.5–.00	34.74N	24.03E	30	5.8b,5.6b		
NIC	IX	12 03 27 42.3–.20	34.42N	24.16E	100	5.5b,5.2L		
HLW	IX	12 03 27 43.3	34.84N	24.42E	30–24	5.7L,5.2L		
ATH	IX	12 03 27 43.7	34.71N	24.02E	26–0	5.5L,5.2L		
MOS	IX	12 03 27 44.5–1.2	34.91N	24.00E	33	6.0b,4.9s		
ISCJB	IX	12 03 27 44.6–.38	34.81N–.01	24.09E–.01	30–2	5.6b,5.1s		
NEIC	IX	12 03 27 45.0–.00	34.91N	23.94E	30	5.6b,5.1s		
SFS	IX	12 03 27 45.0	34.74N	24.03E	30	5.4L,5.1s		
IDC	IX	12 03 27 45.1–1.0	34.83N	24.10E	28–6	5.5,5.4		
PDG	IX	12 03 27 46.1–.30	35.01N	23.41E	15–7	5.6L,5.4		
NEIC	IX	12 03 27 46.3–.50	34.78N	24.11E	32–3	5.7b,5.5L		
GCMT	IX	12 03 27 46.3–.10	34.35N–.01	24.04E–.01	41–0	5.4W,5.5L		
THE	IX	12 03 27 47.1	34.86N	24.08E	8–0	5.2L,5.5L		
ISK	IX	12 03 27 47.3	34.97N	24.11E	40–0	5.5L,5.5L		
BEO	IX	12 03 27 53.9–1.2	35.54N	23.48E	0	5.3L,5.5L		
CNRM	IX	12 03 27 55.5	34.77N	22.90E	15	4.5L,5.5L		
DDA	IX	12 03 27 59.3	35.74N	25.14E	7	5.5L,5.5L		
TIR	IX	12 03 28 27.5	37.34N	20.71E	7	5.5,5.5L		
ISC		Event type fe.						
GII		Event type ke.						
ATH		Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=20.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.						
MOS		Error ellipse: s-maj=4.6km s-min=2.6km az=88.0.						
ISCJB		Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=10.4.						
NEIC		Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.66 $M_{\theta\phi}$0.31 $M_{\phi r}$-1.09 Best double couple: NP1:ϕ_s123.00000°,δ79.00000°,λ92.00000°. NP2:ϕ_s293.00000°,δ11.00000°,λ81.00000°. Principal axes: T 2.1700,Plg55.0000°,Azm35.0000°; N -0.0500,Plg1.0000°,Azm302.0000° ; P -2.1200,Plg33.0000°,Azm211.0000° $M_0$2.10000×10^{17}						
SFS		CRETA. (GRECIA).						
IDC		Error ellipse: s-maj=9.3km s-min=8.1km az=157.0.						
PDG		Event type ke. Error ellipse: s-maj=8.9km s-min=3.7km az=90.0.						
NEIC		Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=188.0. Felt [IV] at Irakleio and [II] at Chania. Also felt at Ayia Galini, Moires, Palaiochora, Therison and Tympaki. Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ85.00000°,λ92.00000°. NP2: ϕ_s281.00000°,δ5.00000°,λ65.00000°. Principal axes: T 1.2000,Plg50.0000°,Azm39.0000° ; N -0.1400,Plg2.0000°,Azm306.0000°; P -1.0600,Plg40.0000°,Azm215.0000°						

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c174; s115,c211; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-1.05±.02; $M_{\phi\phi}$0.05±.02; $M_{r\theta}$0.78±.03; $M_{\theta\phi}$0.51±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s122.00000°,δ65.00000°,λ100.00000°. NP2:ϕ_s278.00000°,δ26.00000°,λ69.00000°. Principal axes: T 1.3670,Plg68.0000°,Azm51.0000°; N 0.2160,Plg9.0000°,Azm297.0000°; P -1.5850,Plg20.0000°,Azm204.0000° $M_0$1.47600×10^{17}

THE Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=228.0.
ISK Event type ke.
BEO Event type ke.
DDA Event type ke.

ISC	**IX**	**12 04 04 26.7–1.1**	**34.85N–.06**	**24.11E–.05**	**19–4**		**20**	**0-2**
THE	IX	12 04 04 24.7	34.70N	23.98E	21–1	2.7L		**¶602029668**
ATH	IX	12 04 04 27.3	34.87N	24.14E	13–2	2.6L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=73.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=194.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**12 06 29 47.8–1.5**	**34.86N–.07**	**24.07E–.06**	**17–7**		**24**	**0-2**
THE	IX	12 06 29 45.4	34.71N	23.95E	21–0	2.5L		**¶602029672**
ISCJB	IX	12 06 29 46.6–1.6	34.75N–.08	23.99E–.07	19–6	2.5L		
ATH	IX	12 06 29 48.5	34.89N	24.08E	13–3	2.4L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=221.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.7km az=28.8.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.5km az=200.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**13 03 07 29.3–1.2**	**34.85N–.08**	**24.13E–.05**	**17–8**		**24**	**0-3**
ATH	IX	13 03 07 26.7	34.71N	24.03E	27–1	2.6L		**¶602029754**
ISCJB	IX	13 03 07 27.2–1.7	34.68N–.09	24.04E–.08	19–6	2.6L		
THE	IX	13 03 07 29.8	34.88N	24.17E	6–1	2.4L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=31.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=8.7km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=170.0.

ISC	**IX**	**13 15 58 20.1–1.0**	**34.88N–.06**	**24.12E–.05**	**15–8**		**22**	**0-3**
THE	IX	13 15 58 17.5	34.74N	23.99E	23–1	2.6L		**¶602029796**
ATH	IX	13 15 58 18.9	34.85N	24.11E	21–1	2.5L		
ISCJB	IX	13 15 58 19.4–1.2	34.81N–.07	24.11E–.07	18–5	2.5L		

ISC Event type ke.
THE Event type ke.
ATH Event type ke. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke.

ATH	**IX**	**17 18 41 44.0**	**35.53N**	**25.26E**	**42–2**	**1.6L**		**¶603909423**

ATH Event type ke. Error ellipse: s-maj=6.0km s-min=1.6km az=184.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**19 18 04 30.5–.65**	**34.05N–.04**	**25.78E–.03**	**28–4**	**4.4b,3.5s**	**375**	**1-117**
HLW	IX	19 18 04 24.7	34.17N	25.59E	10–13	4.2L,4.2		**¶601729302**
ATH	IX	19 18 04 26.3	33.96N	25.71E	4–2	3.8L,4.2		
IDC	IX	19 18 04 26.7–.54	34.15N	25.79E	0	4.4,4.3		
NEIC	IX	19 18 04 28.2–.36	34.10N	25.82E	10	4.5b,3.8L		
THE	IX	19 18 04 32.0	34.30N	25.70E	0–0	3.7L,3.8L		
MOS	IX	19 18 04 32.0–1.2	34.16N	25.83E	42	4.7b,3.8L		
NIC	IX	19 18 04 37.7–.40	33.61N	26.62E	20	4.7b,4.3L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=346.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=12.7km s-min=10.4km az=4.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=210.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=163.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=97.8.

ISC	**IX**	**20 07 37 49.4–1.4**	**34.26N–.04**	**26.62E–.03**	**18–9**	**3.8b**	**120**	**1-59**
IDC	IX	20 07 37 47.8–1.0	34.37N	26.56E	0	4.0L,3.9		**¶601863875**
ATH	IX	20 07 37 49.6	34.29N	26.55E	12–5	3.3L,3.9		
HLW	IX	20 07 37 52.4	34.10N	26.75E	13–11	3.9L,3.6		
GII	IX	20 07 37 53.1–.00	34.29N	26.96E	20–1	3.3,3.6		
THE	IX	20 07 37 53.6	34.54N	26.41E	0–3	3.1L,3.6		
ISK	IX	20 07 37 53.4	34.64N	26.52E	16–0	3.3L,3.6		
DDA	IX	20 07 38 37.8	35.13N	27.25E	41	3.5L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=14.0km az=14.0.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=2.2km az=344.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=1.6km az=138.0.
ISK Event type ke.
DDA Event type ke.

ISC	**IX**	**21 08 45 41.5–1.0**	**34.23N–.04**	**26.83E–.04**	**53–14**	**3.9b**	**93**	**1-65**
HLW	IX	21 08 45 38.8	34.47N	26.80E	33–37	4.0L		**¶601863946**
ISCJB	IX	21 08 45 40.2–.30	34.21N–.03	26.80E–.03	71–8	3.7b		
IDC	IX	21 08 45 40.3–3.4	34.32N	26.65E	23–23	4.0L,3.8		
ATH	IX	21 08 45 41.9	34.41N	26.72E	99–5	3.4L,3.8		
THE	IX	21 08 45 45.0	34.37N	26.71E	60–9	3.5L,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=38.1.
IDC Error ellipse: s-maj=23.7km s-min=18.7km az=7.0.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.8km az=134.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=9.7km s-min=1.1km az=346.0.

ISC	**IX**	**25 09 27 42.6–1.4**	**35.13N–.05**	**23.30E–.05**	**16–10**	**3.6b**	**70**	**1-45**
ATH	IX	25 09 27 41.7	35.12N	23.27E	20–1	3.6L		**¶601864144**
ISCJB	IX	25 09 27 42.5–.00	35.11N–.05	23.27E–.05	16–8	3.5b,2.7s		
THE	IX	25 09 27 43.1	35.15N	23.33E	0–2	3.5L,2.7s		
IDC	IX	25 09 27 48.9–4.3	35.22N	23.21E	97–45	3.6,3.4		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=34.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.6km az=38.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=236.0.
IDC Error ellipse: s-maj=42.7km s-min=25.0km az=136.0.

ISC	**IX**	**27 11 00 20.4–2.0**	**34.34N–.08**	**26.09E–.05**	**14–10**	**3.8b**	**49**	**1-44**
IDC	IX	27 11 00 16.0–1.3	34.27N	26.23E	0	3.9L,3.8		**¶601864274**
ATH	IX	27 11 00 21.2	34.37N	26.11E	30–2	2.8L,3.8		
THE	IX	27 11 00 24.1	34.51N	25.99E	5–2	2.6L,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=19.4km az=23.0.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.6km az=353.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=6.0.

ISC	**X**	**01 08 10 17.5–1.0**	**35.26N–.04**	**26.28E–.03**	**17–8**		**42**	**0-3**
ATH	X	01 08 10 16.3	35.20N	26.30E	29–1	3.0L		**¶603000976**
ISCJB	X	01 08 10 17.3–.60	35.20N–.07	26.30E–.04	25–5	3.0L		
THE	X	01 08 10 18.1	35.22N	26.31E	17–1	3.2L		
DDA	X	01 08 11 02.7	35.26N	26.17E	8	3.5L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.2km az=166.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=4.3km az=162.1.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=165.0.
DDA Event type ke.

ISC	**X**	**03 13 12 44.2–1.3**	**35.04N–.06**	**26.88E–.03**	**9–8**	**3.8b**	**93**	**1-65**
IDC	X	03 13 12 41.6–1.1	34.63N	27.00E	0	3.9L,3.7		**¶601996945**
ATH	X	03 13 12 42.9	35.01N	26.96E	22–1	3.3L,3.7		
ISCJB	X	03 13 12 42.7–.91	34.99N–.04	26.93E–.03	2–5	3.6b,3.7		
THE	X	03 13 12 44.1	35.10N	26.86E	0–2	3.2L,3.7		
ISK	X	03 13 12 46.2	35.36N	26.75E	5–0	2.8L,3.7		
DDA	X	03 13 12 51.9	34.26N	26.23E	53	3.7L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=16.4km az=173.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=331.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=159.9.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=1.0km az=148.0.
ISK Event type ke.
DDA Event type ke.

ISC	**X**	**06 22 13 12.2–1.4**	**35.18N–.05**	**23.21E–.05**	**27–11**	**3.3b**	**86**	**1-45**
IDC	X	06 22 13 07.5–1.3	35.16N	23.07E	0	3.7,3.7s		**¶601997314**
THE	X	06 22 13 13.6	35.19N	23.21E	16–1	3.2L,3.7s		
ATH	X	06 22 13 14.4	35.34N	23.38E	40–1	3.0L,3.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=20.7km az=3.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=33.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=42.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**X**	**07 16 25 42.9–1.2**	**34.69N–.03**	**25.36E–.02**	**8–8**	**4.0b**	**140**	**0-78**
ISCJB	X	07 16 25 41.5–.58	34.57N–.02	25.32E–.02	3–4	3.8b		**¶601997395**
IDC	X	07 16 25 41.9–.95	34.73N	25.32E	0	3.9,3.9b		
HLW	X	07 16 25 44.8	34.74N	25.59E	12–7	4.4,4.1L		
ATH	X	07 16 25 45.0	34.78N	25.28E	21–1	3.6L,4.1L		
ISK	X	07 16 25 45.2	34.82N	25.47E	5–0	3.4L,4.1L		
THE	X	07 16 25 45.5	34.79N	25.25E	0–0	3.8L,4.1L		
GII	X	07 16 25 46.3–.00	34.42N	25.48E	10	3.8L,4.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=34.9.
IDC Error ellipse: s-maj=18.5km s-min=9.3km az=44.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=170.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=168.0.
GII Event type ke.

ISC	**X**	**09 23 40 10.4–2.1**	**34.55N–.07**	**26.33E–.04**	**5–13**	**3.5b**	**29**	**1-45**
ISCJB	X	09 23 40 10.0–1.5	34.48N–.06	26.32E–.05	4–8	3.5b		**¶601997700**
IDC	X	09 23 40 09.2–1.5	34.49N	26.29E	0	3.6,3.6		
THE	X	09 23 40 12.6	34.62N	26.23E	0–1	2.6L,3.6		
ATH	X	09 23 40 12.2	34.60N	26.31E	22–4	2.7L,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.6km az=0.3.
IDC Error ellipse: s-maj=33.0km s-min=21.8km az=1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=165.0.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=2.3km az=348.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**X**	**14 17 48 12.9–1.3**	**34.72N–.06**	**23.80E–.04**	**19–3**		**43**	**0-45**
ATH	X	14 17 48 10.8	34.60N	23.75E	9–3	3.1L		**¶601998243**
IDC	X	14 17 48 10.8–1.6	34.53N	23.98E	0	3.7,3.6b		
THE	X	14 17 48 11.2	34.66N	23.76E	0–4	3.5L,3.6b		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=35.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=50.6km s-min=28.4km az=137.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=1.4km az=209.0.

ISC	**X**	**22 01 40 42.0–1.2**	**35.21N–.07**	**23.08E–.07**	**63–10**	**3.7b**	**88**	**1-46**
IDC	X	22 01 40 37.0–2.9	34.95N	22.60E	39–28	3.7,3.6		**¶601999231**
ISCJB	X	22 01 40 42.9–.74	35.24N–.06	23.11E–.06	77–4	3.5b,3.6		
ATH	X	22 01 40 42.5	35.23N	23.06E	40–2	3.5L,3.6		
THE	X	22 01 40 44.2	35.24N	23.07E	24–1	3.5L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=21.2km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=4.4km az=38.7.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=151.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=196.0.

ISC	**X**	**22 06 25 10.4–1.6**	**34.68N–.05**	**26.86E–.03**	**10–10**	**3.7b**	**63**	**1-76**
IDC	X	22 06 25 08.3–1.2	34.49N	26.75E	0	3.8,3.8		**¶601999252**
ATH	X	22 06 25 10.8	34.49N	26.71E	17–4	3.1L,3.8		
THE	X	22 06 25 14.3	34.58N	26.51E	0–4	2.8L,3.8		
DDA	X	22 06 26 07.9	34.29N	26.44E	14	3.6L,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=20.3km az=6.0.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=2.1km az=325.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=7.8km s-min=1.6km az=120.0.
DDA Event type ke.

ISC	**X**	**22 07 10 25.7–1.4**	**34.67N–.07**	**26.87E–.05**	**19–4**	**3.5b**	**33**	**1-59**
ATH	X	22 07 10 24.7	34.52N	26.79E	17–4	2.7L		**¶601999253**
IDC	X	22 07 10 24.4–1.5	34.67N	26.39E	0	3.7,3.6b		
THE	X	22 07 10 25.3	34.63N	26.91E	7–4	2.7L,3.6b		
GII	X	22 07 10 35.1–.00	33.67N	27.16E	1–0	2.7L,3.6b		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.6km s-min=2.0km az=330.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=41.2km s-min=25.4km az=143.0.
THE Event type ke. Error ellipse: s-maj=14.5km s-min=2.9km az=48.0.
GII Event type ke.

ISC	**X**	**31 11 05 43.1–.99**	**34.32N–.05**	**25.50E–.04**	**42–12**	**3.7b**	**159**	**1-81**
ATH	X	31 11 05 41.9	34.26N	25.34E	23–2	3.5L		**¶602000613**
GII	X	31 11 05 41.1–.34	34.38N	25.43E	71	3.5L		
ISK	X	31 11 05 43.0	34.45N	25.40E	21–2	3.7L		
HLW	X	31 11 05 43.5	34.31N	25.72E	10–28	4.0,3.7L		
ISCJB	X	31 11 05 43.4–.28	34.38N–.02	25.49E–.02	70–4	3.5b,3.7L		
IDC	X	31 11 05 45.0–1.6	34.48N	25.39E	50–12	3.9L,3.8		
THE	X	31 11 05 47.2	34.52N	25.36E	60–4	3.6L,3.8		
DDA	X	31 11 05 58.4	35.32N	26.84E	5	3.8L,3.8		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.5km az=355.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
GII Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=23.6.
IDC Error ellipse: s-maj=20.6km s-min=14.4km az=38.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.0km az=356.0.
DDA Event type ke.

ISC	**XI**	**15 03 07 23.5–.79**	**34.99N–.04**	**23.34E–.03**	**19–2**	**4.0b,3.4s**	**367**	**1-118**
HLW	XI	15 03 07 20.3	35.18N	23.45E	10–31	4.3,4.1L		**¶601901495**
BEO	XI	15 03 07 21.6–1.2	34.92N	23.23E	10	4.1L,4.1L		
MOS	XI	15 03 07 24.4–1.8	34.96N	23.41E	33	4.2b,4.1L		
ATH	XI	15 03 07 24.8	35.11N	23.40E	20–1	3.8L,4.1L		
THE	XI	15 03 07 25.5	35.10N	23.40E	1–1	3.9L,4.1L		
GII	XI	15 03 07 26.8–.00	34.80N	24.01E	1–0	4.4b,4.2		
IDC	XI	15 03 07 26.9–1.9	35.16N	23.32E	49–18	4.0,3.9		

ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=5.1km az=79.7.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=38.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=225.0.
GII Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=17.1km az=16.0.

ISC	**XI**	**16 01 05 12.1–1.2**	**35.03N–.03**	**23.91E–.06**	**15–9**		**27**	**0-1**
ATH	XI	16 01 05 11.3	35.00N	23.88E	24–2	2.5L		**¶603002651**
ISCJB	XI	16 01 05 12.2–.96	35.03N–.03	23.91E–.07	9–5	2.5L		
THE	XI	16 01 05 12.4	35.03N	23.91E	6–1	2.4L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=244.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.9km az=165.4.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=231.0.

ISC	**XI**	**16 05 39 23.5–.83**	**35.23N–.05**	**23.20E–.04**	**59–8**	**3.9b**	**105**	**1-61**
HLW	XI	16 05 39 22.2	35.33N	23.43E	33–22	3.9L		**¶601903804**
ISCJB	XI	16 05 39 22.9–.48	35.23N–.04	23.16E–.04	72–4	3.7b		

ATH XI 16 05 39 23.6 35.26N 23.13E 38–3 3.5L
THE XI 16 05 39 25.0 35.28N 23.20E 26–0 3.6L
IDC XI 16 05 39 25.7–1.9 35.45N 23.14E 67–18 3.8,3.7
DDA XI 16 05 39 53.7 35.19N 23.89E 50 3.6L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.0km az=42.5.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=55.0. Analyst: Agalos ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=53.0.
IDC Error ellipse: s-maj=22.2km s-min=16.8km az=24.0.
DDA Event type ke.
ISC XI 19 20 43 56.0–1.3 34.09N–.04 25.20E–.04 30–10 3.4b 61 1-60
IDC XI 19 20 43 52.1–1.1 34.02N 25.19E 0 3.7L,3.6 **¶602081931**
ATH XI 19 20 43 54.9 34.04N 25.13E 36–6 2.9L,3.6
ISCJB XI 19 20 43 55.5–.41 34.01N–.03 25.22E–.04 42–8 3.4b,3.6
HLW XI 19 20 43 56.3 34.11N 25.41E 29–25 3.7,3.6L
THE XI 19 20 43 57.0 34.14N 25.07E 10–2 2.7L,3.6L
ISK XI 19 20 43 57.3 34.30N 25.25E 31–1 3.0L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=18.0km az=179.0.
ATH Event type ke. Error ellipse: s-maj=8.3km s-min=2.9km az=16.0. Analyst: McAris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=158.9.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=182.0.
ISK Event type ke.
ISC XI 19 20 57 57.4–1.4 34.06N–.04 25.22E–.04 28–12 42 1-44
IDC XI 19 20 57 53.7–1.4 34.03N 25.23E 0 3.7L,3.6 **¶602389697**
ISCJB XI 19 20 57 55.4–.95 33.96N–.03 25.20E–.06 19–9 3.2b,3.6
HLW XI 19 20 57 56.7 34.13N 25.40E 21–26 3.4L,3.6
ATH XI 19 20 57 56.0 34.06N 25.11E 28–6 2.8L,3.6
THE XI 19 20 57 57.3 34.10N 25.12E 2–1 2.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=20.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=175.7.
ATH Event type ke. Error ellipse: s-maj=10.7km s-min=2.8km az=353.0. Analyst: McAris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=187.0.
ISC XI 25 00 43 32.8–1.2 34.77N–.07 25.43E–.03 31–8 3.5b 52 0-60
ISCJB XI 25 00 43 31.6–1.0 34.66N–.06 25.47E–.03 29–5 3.4b **¶602389949**
ATH XI 25 00 43 33.0 34.81N 25.38E 31–1 3.0L
THE XI 25 00 43 33.0 34.75N 25.43E 11–1 3.1L
IDC XI 25 00 43 39.4–6.5 35.03N 25.21E 102–64 3.6L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.7km az=179.4.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.1km az=354.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=5.0.
IDC Error ellipse: s-maj=38.0km s-min=21.2km az=140.0.
ISC XI 25 02 53 56.8–.94 35.46N–.05 23.39E–.05 51–7 3.6b 105 0-46
IDC XI 25 02 53 49.6–1.3 35.68N 23.07E 0 3.8b,3.6 **¶602389953**
ISCJB XI 25 02 53 57.1–.51 35.43N–.04 23.40E–.04 71–4 3.6b,3.6
ATH XI 25 02 53 57.6 35.49N 23.40E 44–1 3.2L,3.6
THE XI 25 02 53 58.5 35.42N 23.33E 24–1 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=19.9km az=15.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.3km az=39.1.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=43.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=45.0.
ISC XI 25 20 39 43.6–2.1 34.21N–.08 25.25E–.03 5–11 53 1-6
ATH XI 25 20 39 44.0 34.15N 25.17E 27–2 2.8L **¶602082614**
ISK XI 25 20 39 45.7 34.54N 25.50E 5–0 3.1L
THE XI 25 20 39 45.7 34.24N 25.18E 0–2 2.8L
HLW XI 25 20 39 46.4 34.10N 25.56E 9–18 3.6
DDA XI 25 20 40 30.4 36.37N 28.49E 5 3.1
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=2.0km az=354.0. Analyst: E. Athanasiou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.5km az=173.0.
DDA Event type ke.
ISC XI 27 06 57 17.6–1.9 34.98N–.07 23.81E–.06 20–3 23 0-2
ISCJB XI 27 06 57 16.2–1.4 34.89N–.07 23.7E–.10 28–6 **¶603002795**
ATH XI 27 06 57 16.6 34.97N 23.85E 32–1 2.5L
THE XI 27 06 57 17.1 34.92N 23.71E 7–5 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=8.3km az=147.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.5km az=57.0. Analyst: CHARALAMPAKIS
ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.2km az=82.0.
ISC XI 27 07 29 17.0–.81 34.81N–.05 24.04E–.03 24–4 4.0b 72 0-60
IDC XI 27 07 29 13.0–1.4 34.84N 24.00E 0 4.2L,4.0b **¶602390045**
ISCJB XI 27 07 29 16.3–.88 34.70N–.05 24.01E–.04 22–4 3.9b,4.0b
ATH XI 27 07 29 17.7 34.85N 24.06E 23–1 3.1L,4.0b
THE XI 27 07 29 18.8 34.84N 24.04E 16–1 3.1L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=17.5km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=15.9.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=206.0. Analyst:
CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are
expressed in km.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=228.0.
ISC XI 27 10 55 59.4–.82 34.79N–.06 24.07E–.04 24–4 3.9b 64 0-86
IDC XI 27 10 55 55.7–1.1 34.87N 23.81E 0 4.0,3.9L **¶601994799**
THE XI 27 10 55 58.6 34.70N 23.99E 23–1 3.8L,3.9L
ATH XI 27 10 55 59.5 34.79N 24.04E 25–1 3.8L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=11.1km az=168.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=223.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=29.0. Analyst: Koutrakis ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 28 00 31 19.7–.84 34.86N–.04 24.05E–.03 23–5 3.8b 73 0-46
IDC XI 28 00 31 15.1–1.4 34.75N 24.10E 0 3.9b,3.8 **¶602390083**
ATH XI 28 00 31 19.6 34.83N 24.07E 23–1 3.1L,3.8
THE XI 28 00 31 21.7 34.93N 24.12E 0–1 2.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=38.3km s-min=24.5km az=150.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=211.0. Analyst: A.FOKAEFS ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=224.0.
ISC XI 28 16 25 12.9–1.2 34.60N–.04 25.57E–.03 27–9 3.9b 98 1-94
ISK XI 28 16 25 10.0 34.48N 25.42E 14–0 3.5L **¶602083329**
HLW XI 28 16 25 12.3 34.54N 25.75E 2–6 3.2,2.9L
THE XI 28 16 25 13.2 34.56N 25.51E 0–2 3.4L,2.9L
IDC XI 28 16 25 13.3–2.3 34.69N 25.58E 30–14 4.0L,3.8
ATH XI 28 16 25 14.0 34.67N 25.47E 32–1 3.3L,3.8
DDA XI 28 16 26 09.0 34.36N 25.55E 15 3.5L,3.8
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=171.0.
IDC Error ellipse: s-maj=22.8km s-min=15.6km az=11.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=350.0. Analyst: A.ANDREOU ML
Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
ISC XI 29 05 15 48.7–1.6 35.02N–.05 23.13E–.05 16–9 3.6b 31 1-46
IDC XI 29 05 15 44.8–1.3 35.76N 23.06E 0 3.6,3.5 **¶602390151**
THE XI 29 05 15 47.8 34.96N 23.01E 14–5 3.0L,3.5
ATH XI 29 05 15 49.1 35.00N 23.19E 39–3 2.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=24.5km az=146.0.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=1.5km az=236.0.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.8km az=48.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 29 18 57 17.8–1.1 34.91N–.05 23.01E–.05 53–10 3.9b,3.2s 121 1-120
IDC XI 29 18 57 12.1–.94 35.10N 22.99E 0 3.9b,3.9 **¶601995273**
ISCJB XI 29 18 57 17.8–.54 34.95N–.03 23.04E–.05 70–4 3.7b,3.9
ATH XI 29 18 57 18.1 35.00N 23.11E 72–4 3.5L,3.9
THE XI 29 18 57 18.3 34.90N 23.02E 15–4 3.6L,3.9
HLW XI 29 18 57 27.6 34.44N 23.85E 10–27 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=15.1km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=143.3.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.2km az=59.0. Analyst: McAris ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.3km az=221.0.
ATH XII 01 20 52 17.2 35.33N 23.44E 25–2 2.2L
¶603912937
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=2.1km az=51.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XII 04 06 04 37.2–2.2 34.37N–.10 25.37E–.03 9–11 34 1-49
IDC XII 04 06 04 32.1–5.2 34.12N 25.83E 0 4.0L,3.5 **¶602390437**
ATH XII 04 06 04 37.4 34.35N 25.30E 27–6 3.2L,3.5
THE XII 04 06 04 38.6 34.43N 25.35E 0–1 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=137.3km s-min=33.0km az=109.0.
ATH Event type ke. Error ellipse: s-maj=7.4km s-min=2.1km az=1.0. Analyst: A.FOKAEFS ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=167.0.
ISC XII 05 10 17 17.1–1.8 34.97N–.10 26.24E–.05 14–7 28 0-4
ATH XII 05 10 17 15.8 34.93N 26.29E 17–1 3.0L **¶602984269**
ISCJB XII 05 10 17 16.1–1.7 34.88N–.07 26.23E–.07 3–9 3.0L
THE XII 05 10 17 16.7 34.94N 26.23E 4–12 3.0L
DDA XII 05 10 17 31.6 36.92N 26.51E 2 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=2.0km az=336.0. Analyst: M.Ziazia ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.7km az=150.7.
THE Event type ke. Error ellipse: s-maj=13.1km s-min=0.5km az=77.0.
DDA Event type ke.
ISC XII 05 14 36 52.6–2.4 35.0N–.20 26.71E–.07 17–9 18 0-2
ISCJB XII 05 14 36 53.5–1.5 35.2N–.20 26.69E–.09 7–9 **¶603002885**
ATH XII 05 14 36 53.1 35.10N 26.71E 16–3 2.6L
THE XII 05 14 36 53.9 35.14N 26.66E 8–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=8.4km az=162.8.
ATH Event type ke. Error ellipse: s-maj=9.0km s-min=1.5km az=344.0. Analyst: Daskalaki ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=172.0.
ISC XII 08 01 05 17.7–1.1 34.07N–.08 26.04E–.08 26 3.5b 31 1-44
ATH XII 08 01 05 14.1 33.95N 25.84E 17–4 2.6L **¶602390766**
ISCJB XII 08 01 05 15.0–.75 33.89N–.07 26.10E–.06 26 3.5b
IDC XII 08 01 05 22.2–2.5 35.41N 26.17E 0 3.7,3.7
GII XII 08 01 05 23.8–.00 34.02N 26.41E 30 3.7,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.7km s-min=2.9km az=332.0. Analyst: Koutrakis ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=3.5km az=33.4.
IDC Error ellipse: s-maj=61.5km s-min=15.9km az=164.0.
GII Event type ke.
ISC XII 08 09 15 22.6–1.5 35.96N–.04 26.36E–.05 126–12 82 1-9
ISK XII 08 09 15 22.5 35.65N 26.24E 30–0 2.8L **¶602330352**
ISCJB XII 08 09 15 22.7–.48 35.95N–.04 26.32E–.03 123–5 2.8L
ATH XII 08 09 15 23.2 36.00N 26.23E 127–3 2.7L
THE XII 08 09 15 26.6 36.00N 26.22E 115–4 2.6L
GII XII 08 09 15 26.9–.00 35.61N 27.04E 1–0 2.6L
DDA XII 08 09 15 26.4 36.23N 26.83E 6 3.0L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=172.2.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.7km az=272.0. Analyst: Plessa ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.3km az=217.0.
GII Event type ke.
DDA Event type ke.
ISC XII 11 11 40 56.1–1.0 35.16N–.05 26.09E–.03 28–6 54 0-3
ISK XII 11 11 40 54.8 35.31N 26.02E 8–0 3.1L **¶602330483**
ATH XII 11 11 40 55.7 35.22N 26.11E 25–1 3.1L
ISCJB XII 11 11 40 56.7–.52 35.21N–.06 26.10E–.04 22–5 3.1L
THE XII 11 11 40 56.4 35.05N 26.07E 22–0 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=172.0. Analyst: K.L. ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.7km az=172.5.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=170.0.
ISC XII 12 09 55 01.0–1.4 34.26N–.04 25.43E–.04 12–10 3.6b 112 1-44
ISK XII 12 09 54 58.7 34.13N 25.44E 11–0 3.8L **¶602330541**
IDC XII 12 09 55 00.5–1.3 34.26N 25.47E 0 4.1L,3.6
ATH XII 12 09 55 04.5 34.41N 25.30E 42–2 3.5L,3.6
THE XII 12 09 55 06.2 34.40N 25.31E 19–3 3.5L,3.6
HLW XII 12 09 55 09.2 33.84N 25.72E 5–13 3.8,3.5L
GII XII 12 09 55 12.2–.00 34.08N 26.19E 10 3.7,3.5L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=13.0km az=55.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.6km az=351.0. Analyst: K.L. ML
Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.2km az=181.0.
GII Event type ke.
ISC XII 14 22 00 41.6–.84 34.37N–.03 23.95E–.03 20–3 4.2b 212 0-119
IDC XII 14 22 00 38.4–.60 34.39N 23.89E 0 4.2b,4.2 **¶602043610**
ISCJB XII 14 22 00 40.3–.68 34.27N–.02 23.94E–.03 22–5 4.2b,3.6s
HLW XII 14 22 00 41.9 34.38N 24.30E 9–16 3.7,3.6L
ATH XII 14 22 00 41.2 34.40N 23.88E 16–2 3.7L,3.6L
NEIC XII 14 22 00 43.2–1.2 34.37N 23.95E 30–9 4.1b,3.7L
THE XII 14 22 00 43.9 34.53N 23.99E 0–3 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=11.2km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=22.2.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.7km az=28.0. Analyst: CHARALAMPAKIS
ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=195.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.6km az=210.0.
ISC XII 14 22 05 41.4–1.7 34.37N–.06 23.90E–.05 12–10 3.9b 39 0-61
IDC XII 14 22 05 39.7–1.0 34.29N 23.89E 0 3.9b,3.8 **¶602391349**
ISCJB XII 14 22 05 41.1–1.4 34.34N–.07 23.83E–.07 20–10 3.8b,3.8
ATH XII 14 22 05 45.8 34.62N 23.94E 22–3 3.2L,3.8
THE XII 14 22 05 45.4 34.59N 23.89E 0–6 3.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=15.7km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=10.1km az=28.9.
ATH Event type ke. Error ellipse: s-maj=10.5km s-min=2.2km az=22.0. Analyst:
CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are
expressed in km.
THE Event type ke. Error ellipse: s-maj=8.5km s-min=2.0km az=207.0.
ISC XII 18 03 38 58.1–.77 34.76N–.06 25.03E–.04 40–5 3.5b 107 0-78
ISCJB XII 18 03 38 56.7–.48 34.60N–.05 25.01E–.03 62–5 3.5b **¶602391586**
IDC XII 18 03 38 57.6–1.5 34.81N 24.90E 42–10 3.9L,3.5
ATH XII 18 03 38 59.1 34.77N 24.98E 33–1 3.4L,3.5
THE XII 18 03 39 01.4 34.88N 24.99E 29–0 3.4L,3.5
GII XII 18 03 39 05.0–.00 34.22N 26.12E 1 3.4L,3.5
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.3km az=15.2.
IDC Error ellipse: s-maj=20.8km s-min=18.9km az=71.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=356.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=359.0.
GII Event type ke.

ISC	**XII**	**22 05 45 25.6–1.1**	**34.84N–.09**	**26.31E–.05**	**47–8**	**3.7b**	**36**	**0-64**
ISCJB	XII	22 05 45 24.0–.80	34.80N–.08	26.41E–.07	57–6	3.8b,2.6s		**¶602391851**
THE	XII	22 05 45 24.4	34.66N	26.27E	11–2	2.9L,2.6s		
ATH	XII	22 05 45 26.2	34.96N	26.25E	45–1	3.0L,2.6s		
IDC	XII	22 05 45 26.8–1.8	34.86N	26.34E	64–17	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=9.7km az=3.9.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=354.0.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.9km az=171.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=25.7km s-min=16.9km az=15.0.

ISC	**XII**	**25 19 10 08.1–.74**	**35.23N–.03**	**25.70E–.02**	**12–4**	**3.5b**	**141**	**0-85**
ISK	XII	25 19 10 05.9	35.16N	25.68E	7–0	3.4L		**¶602329324**
IDC	XII	25 19 10 06.5–.92	35.15N	25.74E	0	3.6,3.5		
DDA	XII	25 19 10 08.0	35.42N	25.79E	8	3.5L,3.5		
ATH	XII	25 19 10 07.7	35.22N	25.70E	14–2	3.6L,3.5		
THE	XII	25 19 10 07.8	35.23N	25.71E	2–1	3.7L,3.5		
ISCJB	XII	25 19 10 07.6–.38	35.20N–.03	25.71E–.02	12–2	3.5b,3.3s		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke.
ISCJB Event type ke.

ISC	**XII**	**27 21 27 55.8–1.3**	**34.67N–.06**	**23.97E–.04**	**14–6**	**3.8b**	**69**	**0-61**
ISCJB	XII	27 21 27 51.9–1.4	34.55N–.05	23.92E–.05	1–7	3.8b,3.2s		**¶602329459**
ATH	XII	27 21 27 52.3	34.55N	23.81E	9–4	3.5L,3.2s		
ISK	XII	27 21 27 52.6	34.64N	24.06E	5–0	3.4L,3.2s		
IDC	XII	27 21 27 53.2–1.3	34.51N	24.02E	0	3.8,3.8b		
THE	XII	27 21 27 53.3	34.62N	23.80E	7–1	3.7L,3.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.0km az=19.3.
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.6km az=48.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISK Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=18.8km az=159.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=41.0.

ISC	**XII**	**30 11 33 30.5–.00**	**35.62N–.04**	**26.81E–.03**	**18–7**		**42**	**0-3**
ATH	XII	30 11 33 29.7	35.62N	26.81E	27–2	2.6L		**¶602985168**
THE	XII	30 11 33 30.9	35.59N	26.81E	15–4	2.5L		
DDA	XII	30 11 33 33.7	35.98N	27.01E	1	2.1L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=155.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.8km az=135.0.
DDA Event type ke.

ISC	**XII**	**30 17 29 03.8–1.3**	**35.55N–.03**	**26.45E–.03**	**17–11**		**52**	**0-3**
ATH	XII	30 17 29 03.2	35.51N	26.47E	40–3	2.8L		**¶602985179**
THE	XII	30 17 29 04.3	35.54N	26.45E	16–2	2.6L		
DDA	XII	30 17 29 24.9	36.87N	27.67E	7	2.2L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=154.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.6km az=135.0.
DDA Event type ke.

ISC	**XII**	**31 10 28 09.1–1.2**	**34.30N–.03**	**25.70E–.04**	**30–11**	**3.7b**	**51**	**1-45**
THE	XII	31 10 28 10.2	34.39N	25.67E	0–2	3.2L		**¶602380484**
ATH	XII	31 10 28 10.5	34.41N	25.61E	35–7	3.1L		
HLW	XII	31 10 28 11.1	34.35N	25.85E	33–32	3.6L		
IDC	XII	31 10 28 14.0–1.6	34.44N	25.29E	87–11	3.7,3.5b		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.3km az=153.0.
ATH Event type ke. Error ellipse: s-maj=9.5km s-min=2.0km az=2.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=24.7km s-min=22.4km az=140.0.

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ISC	**VII**	**08 20 02 36.1–1.4**	**32.80N–.04**	**32.47E–.05**	**35**		**91**	**2-7**
ISCJB	VII	08 20 02 35.5–.67	32.75N–.04	32.51E–.04	33			**¶604039492**
CSEM	VII	08 20 02 35.6–.21	32.78N	32.55E	20	2.3		
HLW	VII	08 20 02 35.6	32.89N	32.44E	18–22	3.5,3.5L		
GII	VII	08 20 02 38.0–.00	32.79N	32.53E	31	2.3,3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=136.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=127.0.
GII Event type ke.

ISC	**VII**	**09 13 55 00.6–.30**	**35.60N–.02**	**28.95E–.02**	**57–2**	**5.6b,4.8s**	**2886**	**1-168**
BJI	VII	09 13 54 55.8	35.26N	28.54E	61	5.4b,5.3b		**¶601252236**
ISK	VII	09 13 54 57.8	35.58N	29.01E	23–0	6.0L,5.3b		
PDG	VII	09 13 54 58.2–.82	35.46N	29.01E	50–16	5.5L,5.3b		
GII	VII	09 13 54 58.0–.76	35.40N	28.86E	54	5.6,5.4b		
NIC	VII	09 13 54 58.4–.30	35.52N	28.88E	50	5.7L,5.6b		
ISCJB	VII	09 13 54 58.5–.13	35.54N–.01	28.966E–.01	53–1	5.6b,4.8s		
MOS	VII	09 13 54 59.4–1.0	35.62N	28.93E	56	5.9b,4.7s		
ATH	VII	09 13 54 59.6	35.62N	28.87E	43–11	5.4L,4.7s		
PDA	VII	09 13 54 59.8	35.52N	28.88E	50	5.7W,4.7s		
NEIC	VII	09 13 55 00.0–.00	35.62N	28.93E	56	5.7W,4.7s		
DDA	VII	09 13 55 00.4	35.71N	28.86E	40	6.0L,4.7s		
IDC	VII	09 13 55 00.7–1.4	35.63N	28.94E	52–12	5.5,5.3		
GCMT	VII	09 13 55 00.6–.10	35.36N	28.96E	71–1	5.8W,5.3		
NEIC	VII	09 13 55 00.6–.28	35.60N	28.92E	56–2	5.6W,5.6W		
SFS	VII	09 13 55 01.0	35.67N	28.78E	0	5.8L,5.6W		
THE	VII	09 13 55 01.3	35.61N	28.97E	62–4	5.5L,5.6W		
CSEM	VII	09 13 55 01.0–.05	35.61N	28.95E	60	5.9L,5.7W		
NSSC	VII	09 13 55 12.6–.78	35.80N	30.35E	38–999	5.5L,5.7W		

ISC Event type fe.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.
GII Event type ke.
NIC Event type fe. Felt I=II MM at Pafos, Lemesos and Lefkosia.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=13.0.
MOS Error ellipse: s-maj=4.3km s-min=2.3km az=96.6.
ATH Event type ke. Error ellipse: s-maj=13.4km s-min=0.6km az=108.0.
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$-3.59 $M_{\phi\phi}$3.03 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.28 $M_{\phi r}$0.79 Best double couple: NP1:ϕ_s316.00000° ,δ84.00000°,λ163.00000°. NP2:ϕ_s48.00000°,δ73.00000°,λ6.00000°. Principal axes: T 3.2700,Plg16.0000°,Azm271.0000°; N 0.4200,Plg71.0000°,Azm118.0000° ; P -3.6800,Plg7.0000°,Azm3.0000° M_o3.50000×10^{17}
DDA Event type ke.
IDC Error ellipse: s-maj=7.7km s-min=7.0km az=135.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s116,c195; s103,c245;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.05 $M_{\theta\theta}$-5.24±.06; $M_{\phi\phi}$4.83±.06; $M_{r\theta}$-0.52±.06; $M_{\theta\phi}$0.57±.06; $M_{\phi r}$0.76±.06; Best double couple: NP1: ϕ_s318.00000°,δ87.00000°,λ170.00000°. NP2:ϕ_s48.00000°,δ80.00000°,λ3.00000°. Principal axes: T 4.9810,Plg9.0000°,Azm273.0000°; N 0.3490,Plg79.0000°,Azm125.0000° ; P -5.3270,Plg6.0000°,Azm4.0000° M_o5.15400×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=189.0. Felt [IV] at Limassol and [II] at Nicosia, Cyprus. Also felt at Dhoros, Evdhimou, Kyrenia, Mazotos, Paphos, Pissouri and Yioulou. Felt [III] at Al Jizah and Cairo, Egypt. Also felt at Alexandria. Felt [III] at Antalya, Fethiye and Marmaris; [II] at Alanya and Kas, Turkey. Also felt at Manavgat and Serik. Felt at Bat Yam, Qiryat Motzkin and Tel Aviv-Yafo, Israel. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-3.65 $M_{\phi\phi}$3.48 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.53 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s139.00000°,δ90.00000°,λ-167.00000°. NP2:ϕ_s49.00000° ,δ77.00000°,λ0.00000°. Principal axes: T 3.6100,Plg9.0000°,Azm273.0000° ; N 0.1900,Plg77.0000°,Azm140.0000°; P -3.8000,Plg9.0000°,Azm5.0000° M_o3.70000×10^{17}
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.7km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=5.0.
NSSC Error ellipse: s-maj=30.3km s-min=81.0km az=-1.0.

ISC	**VII**	**09 14 56 42.3–1.5**	**35.60N–.06**	**28.98E–.03**	**58–16**		**74**	**1-3**
ATH	VII	09 14 56 41.9	35.62N	28.91E	36–9	2.1L		**¶601830855**
ISK	VII	09 14 56 41.9	35.66N	28.92E	23–0	2.7L		
ISCJB	VII	09 14 56 42.7–.89	35.64N–.06	28.94E–.05	58–14	2.7L		
DDA	VII	09 14 56 42.1	35.68N	28.88E	54	3.0L		
CSEM	VII	09 14 56 43.1–.21	35.65N	28.91E	30	2.1L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=11.7km s-min=1.3km az=7.0.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.9km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=165.0.

ISC	**VII**	**10 01 09 26.7–1.4**	**35.67N–.05**	**28.88E–.03**	**21–5**		**80**	**1-3**
ATH	VII	10 01 09 25.4	35.59N	28.93E	37–9	1.7L		**¶601830885**
DDA	VII	10 01 09 25.9	35.71N	28.87E	31	2.9L		
CSEM	VII	10 01 09 26.8–.31	35.66N	28.90E	24–2	1.7L		
ISK	VII	10 01 09 26.4	35.72N	28.87E	18–0	2.6L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.8km s-min=1.2km az=6.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=160.0.
ISK Event type ke.

ISC	**VII**	**21 13 36 28.5–1.8**	**33.88N–.04**	**32.83E–.08**	**10–14**		**30**	**1-5**
GII	VII	21 13 36 30.3–.51	33.93N	32.83E	80			**¶604536639**
NIC	VII	21 13 36 31.5–.30	33.92N	32.73E	50	3.2L		

ISC Event type ke.
GII Event type ke.

ISC	**VII**	**22 22 55 05.2–1.7**	**35.02N–.04**	**29.20E–.02**	**13–13**		**120**	**1-5**
DDA	VII	22 22 55 06.5	35.21N	28.98E	4	2.9L		**¶601457920**
ISK	VII	22 22 55 07.3	35.14N	29.29E	16–0	3.0L		
CSEM	VII	22 22 55 08.2–.17	35.13N	29.24E	15	3.0L		
ATH	VII	22 22 55 08.0	35.10N	29.02E	12–3	2.2L		
NIC	VII	22 22 55 14.9–.20	35.28N	29.63E	25	3.1L		

ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=4.0.
ATH Event type ke. Error ellipse: s-maj=6.5km s-min=1.2km az=138.0.

ISC	**VIII**	**04 22 38 07.8–2.1**	**35.31N–.04**	**28.61E–.03**	**34–4**		**85**	**1-8**
ISK	VIII	04 22 38 06.3	35.29N	28.62E	29–0	3.3L		**¶601888583**
DDA	VIII	04 22 38 07.3	35.50N	28.55E	7	3.0L		
GII	VIII	04 22 38 08.9–.00	35.17N	28.92E	10	3.0L		
ATH	VIII	04 22 38 08.6	35.51N	28.47E	71–5	2.4L		
NIC	VIII	04 22 38 14.3–.20	35.16N	29.13E	66	3.4L		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=1.5km az=344.0.

ISC	**VIII**	**08 04 47 14.8–1.1**	**34.54N–.08**	**27.06E–.04**	**24**	**3.7b**	**32**	**1-44**
IDC	VIII	08 04 47 10.8–1.4	34.48N	27.02E	0	3.6,3.6b		**¶601765635**
ATH	VIII	08 04 47 13.5	34.51N	27.10E	15–4	2.7L,3.6b		
ISCJB	VIII	08 04 47 14.5–.92	34.52N–.07	27.11E–.05	24	3.5b,3.6b		
ISK	VIII	08 04 47 16.2	34.71N	26.97E	22–0	2.8L,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=20.5km az=156.0.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=1.8km az=333.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.8km az=178.0.
ISK Event type ke.

ISC	**VIII**	**15 10 46 16.3–2.7**	**34.6N–.10**	**27.94E–.09**	**10**		**33**	**2-5**
ISK	VIII	15 10 46 12.8	34.45N	27.95E	5–0	3.2L		**¶601889243**
DDA	VIII	15 10 47 12.5	34.83N	28.02E	11	3.7L		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.

ISC	**VIII**	**16 22 36 02.3–1.3**	**33.87N–.02**	**34.51E–.03**	**27–13**		**72**	**1-5**
JSO	VIII	16 22 36 02.7–4.0	34N–31	35E–28	56–103	3.5,3.5		**¶602995696**
GRAL	VIII	16 22 36 03.6–.48	33.92N	34.54E	23–3	3.2,3.5		
HLW	VIII	16 22 36 03.1	33.76N	34.42E	10–18	3.2L,3.5		
GII	VIII	16 22 36 05.0–.00	33.80N	34.55E	30	2.6,3.5		
NIC	VIII	16 22 36 05.5–.40	34.03N	34.35E	16	3.3L,3.5		
DDA	VIII	16 22 36 33.6	33.82N	34.60E	24	3.2L,3.5		

ISC Event type ke.
GRAL Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
GII Event type ke.
DDA Event type ke.

ISC	**VIII**	**19 13 06 40.6–1.2**	**35.98N–.03**	**30.79E–.02**	**31–11**		**122**	**1-34**
HLW	VIII	19 13 06 35.6	36.24N	30.81E	10–35	4.0		**¶601766152**
IDC	VIII	19 13 06 37.9–1.6	36.31N	30.54E	0	3.8b,3.7		
DDA	VIII	19 13 06 38.4	35.86N	30.79E	37	3.4L,3.7		
ISK	VIII	19 13 06 38.9	35.99N	30.76E	17–0	3.4L,3.7		
GII	VIII	19 13 06 38.9–.00	35.96N	30.77E	10	3.4L,3.7		
ATH	VIII	19 13 06 39.3	36.10N	30.80E	36–2	2.9L,3.7		
THE	VIII	19 13 06 42.1	35.88N	30.80E	27–22	2.8L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=22.2km az=121.0.
DDA Event type ke.
ISK Event type ke.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=183.0.
THE Event type ke. Error ellipse: s-maj=22.4km s-min=1.1km az=139.0.

ISC	**VIII**	**26 15 43 54.7–1.6**	**33.70N–.04**	**34.43E–.05**	**14–12**		**29**	**1-3**
ISCJB	VIII	26 15 43 54.5–1.0	33.65N–.03	34.40E–.05	8–4			**¶604036762**
GII	VIII	26 15 43 57.9–.00	33.72N	34.43E	27	1.3		
GRAL	VIII	26 15 44 02.2–.34	33.70N	35.02E	90–5	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.3km az=162.5.
GII Event type ke.
GRAL Error ellipse: s-maj=3.6km s-min=9.1km az=-1.0.

ISC	**VIII**	**30 22 57 15.6–1.4**	**33.97N–.07**	**25.17E–.05**	**19–3**		**29**	**1-44**
IDC	VIII	30 22 57 13.9–1.5	33.96N	25.15E	0	3.6L,3.5		**¶601755643**
ATH	VIII	30 22 57 14.6	33.95N	25.10E	19–2	3.0L,3.5		
THE	VIII	30 22 57 18.2	34.09N	25.10E	4–5	2.9L,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=25.4km az=134.0.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=2.5km az=10.0.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=1.8km az=161.0.

ISC	**IX**	**01 23 39 11.2–1.2**	**34.05N–.07**	**28.74E–.06**	**35**		**41**	**2-7**
ISCJB	IX	01 23 39 10.1–.42	34.07N–.04	28.76E–.04	33			**¶603908738**
ATH	IX	01 23 39 10.2	34.11N	28.73E	41–12	2.5L		
GII	IX	01 23 39 16.0–.00	33.77N	29.34E	1	2.8		
DDA	IX	01 23 39 38.9	36.48N	28.41E	7	2.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.4km az=39.2.
ATH Event type ke. Error ellipse: s-maj=14.8km s-min=1.8km az=149.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
GII Event type ke.
DDA Event type ke.

ISC	**IX**	**05 14 24 36.8–5.6**	**33.59N–.06**	**34.80E–.09**	**36–10**		**32**	**1-4**
GRAL	IX	05 14 24 38.8–.36	33.62N	34.89E	32–1	2.9		**¶604737944**
GII	IX	05 14 24 38.1–.00	33.59N	34.75E	32	1.8		

ISC Event type ke.
GRAL Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
GII Event type ke.

ISC	**IX**	**19 05 26 03.9–1.4**	**35.66N–.09**	**30.15E–.05**	**33**		**20**	**1-6**
DDA	IX	19 05 25 57.7	35.43N	30.26E	5	2.8L		**¶603000446**
ISCJB	IX	19 05 26 02.0–.95	35.48N–.10	30.15E–.06	33	2.8L		
ATH	IX	19 05 26 03.0	35.70N	30.03E	60–31	2.6L		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=5.9km az=161.5.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=5.0km az=0.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**IX**	**26 01 28 32.0–.91**	**34.75N–.03**	**30.00E–.03**	**30–6**	**4.7b,4.3s**	**618**	**1-114**
IDC	IX	26 01 28 27.5–.45	34.78N	30.01E	0	4.5,4.4		¶601740405
ISK	IX	26 01 28 28.6	34.72N	29.97E	12–0	4.7L,4.4		
BJI	IX	26 01 28 30.6	34.75N	29.93E	33	5.2b,4.9b		
MOS	IX	26 01 28 30.9–1.1	34.76N	29.98E	33	4.8b,4.9b		
ISCJB	IX	26 01 28 30.6–.20	34.70N–.02	29.95E–.01	34–2	4.6b,4.3s		
NEIC	IX	26 01 28 32.8–.44	34.77N	29.97E	36–4	4.6b,4.1L		
NIC	IX	26 01 28 33.9–.20	34.97N	30.05E	25	4.5b,4.3L		
THE	IX	26 01 28 34.6	34.95N	29.76E	5–4	4.1L,4.3L		
DDA	IX	26 01 28 35.4	34.86N	29.96E	13	4.7L,4.3L		
HLW	IX	26 01 28 35.7	34.38N	29.88E	33–50	4.5,4.5L		

ISC Event type ke.
IDC Error ellipse: s-maj=11.7km s-min=9.7km az=163.0.
ISK Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.7km az=95.2.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=17.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=184.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.9km az=136.0.
DDA Event type ke.

ISC	**IX**	**29 17 57 22.9–1.2**	**34.86N–.03**	**28.64E–.02**	**14–9**		**149**	**1-8**
ISK	IX	29 17 57 22.6	34.71N	28.56E	23–1	3.6L		¶602031312
ATH	IX	29 17 57 25.7	34.96N	28.53E	31–7	2.7L		
HLW	IX	29 17 57 26.6	34.71N	28.69E	10–18	3.9L		
DDA	IX	29 17 57 27.1	35.17N	28.43E	18	3.5L		
THE	IX	29 17 57 27.9	34.87N	28.57E	22–3	2.7L		
GII	IX	29 17 57 30.8–.00	34.60N	29.16E	7–1	3.0		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.5km s-min=1.8km az=160.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.9km az=152.0.
GII Event type ke.

ISC	**X**	**04 15 06 57.5–2.4**	**34.82N–.09**	**28.13E–.07**	**11–12**		**38**	**1-5**
ATH	X	04 15 06 57.6	34.85N	28.11E	24–1	3.2L		¶603001173
DDA	X	04 15 07 18.9	36.40N	28.29E	7	2.3L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=313.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.

ISC	**X**	**15 19 49 47.2–1.4**	**35.53N–.05**	**28.77E–.03**	**26–13**		**79**	**1-6**
ISK	X	15 19 49 43.0	35.37N	28.78E	16–0	2.6L		¶602079724
DDA	X	15 19 49 46.3	35.60N	28.70E	36	3.0L		
ATH	X	15 19 49 46.2	35.62N	28.76E	73–4	2.4L		
THE	X	15 19 49 48.4	35.60N	28.80E	25–9	2.4L		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.4km az=346.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=10.0km s-min=1.4km az=145.0.

ISC	**X**	**19 03 35 12.3–.65**	**32.58N–.03**	**30.98E–.03**	**19–2**	**5.0b,4.0s**	**974**	**3-131**
BJI	X	19 03 35 06.3	32.41N	30.50E	13	5.1b,5.1b		¶606635620
IDC	X	19 03 35 09.5–.39	32.62N	31.03E	0	4.9L,4.8		
ISCJB	X	19 03 35 10.8–.10	32.57N–.01	31.03E–.01	19	4.9b,4.0s		
MOS	X	19 03 35 11.0–.97	32.59N	31.01E	21	5.1b,4.0s		
NEIC	X	19 03 35 11.6–1.1	32.55N	30.98E	13–7	5.1b,4.8L		
GCMT	X	19 03 35 13.9–.30	32.44N–.02	31.02E–.02	29–0	5.0W,4.8L		
HLW	X	19 03 35 14.2	32.55N	31.20E	32–45	5.0W,4.8L		
GII	X	19 03 35 15.1–.00	32.46N	31.16E	32	4.9b,4.9		
NIC	X	19 03 35 16.8–.20	32.98N	30.96E	11	4.9b,4.8L		
PDG	X	19 03 35 58.2–.25	33.93N	25.50E	13–1	5.1L,4.8L		
DDA	X	19 03 36 12.7	32.41N	30.91E	41	5.4L,4.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=10.2km s-min=9.2km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=42.6.
MOS Error ellipse: s-maj=5.9km s-min=3.1km az=96.2.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=224.0. Felt at Alexandria and Al Jizah, Egypt.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c50; s87,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.78±.20 $M_{\theta\theta}$1.57±.12; $M_{\phi\phi}$-4.35±.13; $M_{r\theta}$-0.99±.19; $M_{\theta\phi}$0.06±.10; $M_{\phi r}$0.98±.17; Best double couple: NP1:ϕ_s336.00000°,δ58.00000°,λ57.00000°. NP2:ϕ_s206.00000°,δ44.00000°,λ131.00000°. Principal axes: T 3.4270,Plg61.0000° ,Azm193.0000°; N 1.0610,Plg27.0000°,Azm354.0000°; P -4.4880,Plg8.0000°,Azm88.0000° M_o3.95800×10^{16}
GII Event type ke.
PDG Event type ke. Error ellipse: s-maj=688.3km s-min=463.8km az=90.0.
DDA Event type ke.

ISC	**X**	**19 04 05 12.1–2.9**	**32.37N–.09**	**31.3E–.10**	**35**		**27**	**3-4**
GII	X	19 04 05 09.5–.00	32.34N	31.46E	1	2.6		¶604039550
HLW	X	19 04 05 09.7	32.43N	31.34E	10–17	2.9L		

ISC Event type ke.
GII Event type ke.

ISC	**X**	**19 04 16 06.7–1.2**	**35.91N–.03**	**28.48E–.02**	**12–9**		**71**	**0-3**
DDA	X	19 04 16 05.4	35.86N	28.44E	23	3.1L		¶602080008
ISK	X	19 04 16 05.6	35.88N	28.49E	7–0	2.8L		
THE	X	19 04 16 06.7	35.89N	28.46E	0–1	2.7L		
ATH	X	19 04 16 06.5	35.92N	28.44E	21–1	2.5L		

ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=182.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=2.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**X**	**20 16 29 39.4–2.3**	**33.80N–.04**	**32.14E–.10**	**30–19**		**38**	**1-5**
NIC	X	20 16 29 38.5–.20	33.75N	32.01E	41	3.2L		¶601840539
GII	X	20 16 29 40.6–.00	33.76N	32.20E	26	2.7		

ISC Event type ke.
GII Event type ke.

HLW	**X**	**25 02 36 21.7**	**33.91N**	**27.81E**	**33–46**	**4.6,3.3L**		
								¶604039557
ISC	**X**	**27 10 58 41.0–2.4**	**33.9N–.10**	**26.29E–.09**	**25**		**33**	**3-9**
HLW	X	27 10 58 42.2	33.97N	26.21E	33–21	3.2L		¶604039561
GII	X	27 10 58 47.4–.00	33.88N	26.88E	8–0	3.0		

ISC Event type ke.
GII Event type ke.

ISC	**X**	**28 09 12 12.9–1.2**	**33.97N–.04**	**28.31E–.05**	**35**		**42**	**2-7**
ISCJB	X	28 09 12 12.9–.49	34.01N–.03	28.51E–.05	33			¶603002234
HLW	X	28 09 12 14.7	33.98N	28.38E	32–37	4.3		
DDA	X	28 09 12 14.9	34.50N	28.31E	6	3.3L		
GII	X	28 09 12 20.6–.00	33.73N	28.79E	30–1	3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=161.3.
DDA Event type ke.
GII Event type ke.

ISC	**XI**	**03 19 57 15.8–.96**	**33.04N–.02**	**34.90E–.04**	**25–9**		**91**	**0-7**
ISCJB	XI	03 19 57 14.6–.58	33.07N–.01	34.82E–.04	16–7			¶601869864
JSO	XI	03 19 57 15.6–5.2	33N–25	35E–24	0–13	3.7,3.7		
GII	XI	03 19 57 15.1–.00	33.06N	34.87E	10	3.4,3.7		
GRAL	XI	03 19 57 16.9–.25	33.07N	34.92E	17–2	3.4,3.7		
HLW	XI	03 19 57 16.9	32.81N	34.82E	10–29	3.3L,3.7		
DDA	XI	03 19 57 18.1	33.58N	34.98E	6	3.4L,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.3km az=175.8.
GII Event type ke.
GRAL Error ellipse: s-maj=0.8km s-min=2.9km az=-1.0.
DDA Event type ke.

ISC	**XI**	**10 00 02 39.8–1.2**	**33.89N–.09**	**25.18E–.05**	**38–2**	**3.6b**	**57**	**1-46**
IDC	XI	10 00 02 36.0–1.1	34.08N	25.14E	0	4.0L,3.8		¶602032082
ISCJB	XI	10 00 02 37.4–1.0	33.74N–.07	25.05E–.05	54–8	3.6b,3.8		
THE	XI	10 00 02 38.1	33.91N	25.11E	0–4	3.4L,3.8		
ATH	XI	10 00 02 38.4	33.98N	25.13E	25–4	3.1L,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=17.5km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.2km az=12.2.
THE Event type ke. Error ellipse: s-maj=8.9km s-min=1.7km az=186.0.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=344.0. Analyst: Koutrakis ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**14 07 24 30.9–.83**	**35.89N–.03**	**29.78E–.02**	**31–6**	**4.5b,3.6s**	**429**	**0-100**
BJI	XI	14 07 24 22.6	35.78N	29.37E	10	5.0b,4.7b		¶601891468
DDA	XI	14 07 24 28.6	35.85N	29.69E	29	4.4L,4.7b		
ISK	XI	14 07 24 28.1	35.85N	29.74E	10–0	4.5L,4.7b		
NEIC	XI	14 07 24 28.4–.00	35.87N	29.74E	10	4.6b,4.4L		
MOS	XI	14 07 24 29.3–1.3	35.76N	29.85E	33	4.8b,4.4L		
HLW	XI	14 07 24 30.2	35.86N	29.89E	11–18	4.5L,4.1		
ISCJB	XI	14 07 24 30.5–.15	35.81N–.01	29.78E–.01	48–2	4.5b,3.7s		
NIC	XI	14 07 24 31.2–.20	35.91N	29.92E	12	4.5b,4.3L		
ATH	XI	14 07 24 31.7	36.03N	29.61E	35–2	4.4L,4.3L		
IDC	XI	14 07 24 31.2–1.3	35.83N	29.82E	40–13	4.4,4.4L		
GII	XI	14 07 24 33.7–.00	35.65N	29.96E	20	4.3b,4.2		
THE	XI	14 07 24 33.1	36.04N	29.63E	12–1	4.4L,4.2		

ISC Event type fe.
DDA Event type ke.
ISK Event type ke.
NEIC Event type fe. Felt at Kas, Turkey. After ISK.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=83.9.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=21.2.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=0.8km az=100.0. Analyst: A.FOKAEFS ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=12.8km s-min=8.1km az=166.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=69.0.

ISC	**XI**	**24 23 22 32.3–.51**	**34.43N–.03**	**28.35E–.02**	**56–39**		**167**	**2-8**
ISK	XI	24 23 22 33.7	34.76N	28.25E	7–1	3.7L		¶601994238
ATH	XI	24 23 22 34.9	34.67N	28.22E	43–6	3.5L		
DDA	XI	24 23 22 35.9	34.93N	28.33E	15	3.8L		
NIC	XI	24 23 22 36.6–.30	35.13N	28.57E	65	4.4b,4.1L		
GII	XI	24 23 22 36.6–.00	34.27N	28.72E	20–1	3.4,4.1L		
THE	XI	24 23 22 36.1	34.56N	28.33E	63–7	3.2L,4.1L		
HLW	XI	24 23 22 38.1	34.69N	32.60E	9–24	4.2L,4.0		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.3km s-min=1.4km az=150.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
DDA Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=8.0km s-min=0.9km az=338.0.

ISC	**XI**	**30 08 49 31.5–2.3**	**33.5N–.10**	**28.23E–.07**	**35**		**33**	**3-8**
HLW	XI	30 08 49 30.2	33.66N	28.24E	19–11	3.9,3.9L		¶604039580
ISCJB	XI	30 08 49 31.7–1.2	33.32N–.10	28.36E–.05	33	3.9,3.9L		
GII	XI	30 08 49 35.3–.00	33.36N	28.42E	32	3.2,3.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.3km az=165.2.
GII Event type ke.

ISC	**XII**	**03 05 14 48.2–1.4**	**33.77N–.02**	**34.57E–.04**	**29–14**		**86**	**1-6**
HLW	XII	03 05 14 50.9	33.47N	34.30E	10–18	3.6		¶601995917
ISK	XII	03 05 14 50.1	34.08N	34.41E	5–0	3.2L		
DDA	XII	03 05 14 51.7	34.33N	34.50E	10	3.3L		
GII	XII	03 05 14 51.0–.17	33.78N	34.57E	32–0	2.7		
NIC	XII	03 05 14 51.5–.40	33.84N	34.44E	36	3.4L		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
GII Event type ke.

ISC	**XII**	**07 03 50 27.0–1.8**	**35.83N–.07**	**30.41E–.04**	**6–13**		**29**	**1-3**
ISCJB	XII	07 03 50 26.9–1.2	35.83N–.05	30.44E–.05	7–6			¶602330269
ISK	XII	07 03 50 27.9	35.87N	30.33E	8–0	2.6L		
DDA	XII	07 03 50 31.1	36.07N	30.85E	30	2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.1km az=158.8.
ISK Event type ke.
DDA Event type ke.

ISC	**XII**	**08 09 45 52.2–2.1**	**33.58N–.08**	**28.1E–.10**	**35**		**52**	**3-7**
HLW	XII	08 09 45 54.0	33.51N	28.28E	16–7	3.3		¶602330353
GII	XII	08 09 45 57.4–.00	33.48N	28.47E	30–1	2.6		
ISK	XII	08 09 45 57.9	34.11N	27.94E	24–0	3.1L		
DDA	XII	08 09 46 44.4	34.72N	28.43E	11	3.3		

ISC Event type ke.
GII Event type ke.
ISK Event type ke.
DDA Event type ke.

HLW	**XII**	**08 22 11 33.3**	**34.10N**	**28.64E**	**15–8**	**3.6,3.2L**		
								¶604039585
ISC	**XII**	**21 16 09 22.8–1.2**	**35.91N–.04**	**30.39E–.03**	**30–11**		**61**	**1-34**
DDA	XII	21 16 09 21.1	35.79N	30.42E	49	3.2L		¶602329124
IDC	XII	21 16 09 22.6–1.3	35.89N	30.34E	42–25	3.8b,3.6		
ISK	XII	21 16 09 22.1	35.92N	30.36E	16–0	3.0L,3.6		

ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=10.9km az=4.0.
ISK Event type ke.

ISC	**XII**	**24 19 50 43.1–2.0**	**32.33N–.09**	**25.3E–.10**	**35**		**10**	**1-6**
ISCJB	XII	24 19 50 42.6–1.3	32.29N–.07	25.5E–.10	33			¶604039596
HLW	XII	24 19 50 42.8	32.33N	25.35E	8–9	3.7L,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=7.9km az=23.4.

(372) Cyprus region.

ISC	**VII**	**10 18 40 58.1–2.5**	**35.31N–.07**	**32.0E–.10**	**10**		**21**	**0-2**
NIC	VII	10 18 40 55.3–.20	35.20N	31.63E	12	2.9L		¶601261259
CSEM	VII	10 18 41 07.1	35.41N	32.76E	6	1.5L		
ISK	VII	10 18 41 07.1	35.41N	32.76E	6–0	1.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISK Event type ke.

ISC	**VII**	**13 22 11 07.6–1.7**	**34.57N–.03**	**34.68E–.05**	**30–17**		**84**	**1-5**
CSEM	VII	13 22 11 05.7–.21	34.56N	34.66E	10	3.0L		¶602994822
ISCJB	VII	13 22 11 06.4–.82	34.55N–.03	34.65E–.05	23–8	3.0L		
DDA	VII	13 22 11 08.3	34.82N	34.43E	8	2.7L		
GRAL	VII	13 22 11 08.8–.39	34.36N	34.67E	0–3	3.0		
GII	VII	13 22 11 09.4–.12	34.59N	34.66E	32	2.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.5km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.4km az=146.0.
GRAL Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.
GII Event type ke.

ISC	**VII**	**23 05 39 20.2–1.2**	**35.06N–.02**	**33.91E–.03**	**56–6**		**113**	**0-5**
ISCJB	VII	23 05 39 19.3–.34	35.04N–.02	33.93E–.03	60–5			¶601457930
GII	VII	23 05 39 19.6–.29	34.96N	34.06E	10–0	2.1		
CSEM	VII	23 05 39 20.2–.12	35.07N	33.91E	53–3	3.0L		
DDA	VII	23 05 39 21.0	35.22N	33.72E	48	3.3L		
NIC	VII	23 05 39 21.7–.30	35.02N	33.81E	46	3.0L		
ISK	VII	23 05 39 22.5	35.34N	33.62E	21–0	2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=159.6.

GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=71.0.
DDA Event type ke.
ISK Event type ke.

ISC	**VII**	**24 10 56 31.8–1.1**	**35.56N–.03**	**31.66E–.03**	**28–12**		**107**	**1-4**
NIC	VII	24 10 56 25.4–.30	35.81N	31.48E	10	3.3L		**¶601467932**
DDA	VII	24 10 56 29.8	35.54N	31.63E	21	3.3L		
CSEM	VII	24 10 56 31.4–.40	35.50N	31.73E	2	3.1L		
ISK	VII	24 10 56 31.2	35.57N	31.79E	5–0	3.1L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=5.0km az=37.0.
ISK Event type ke.

ISC	**VII**	**28 03 53 28.3–1.3**	**34.76N–.03**	**32.52E–.04**	**12–9**		**83**	**0-5**
ISK	VII	28 03 53 28.5	34.86N	32.46E	10–0	2.4L		**¶601485468**
ISCJB	VII	28 03 53 28.2–.61	34.71N–.02	32.48E–.05	23–4	2.4L		
CSEM	VII	28 03 53 29.4–.29	34.80N	32.51E	15	3.0L		
NIC	VII	28 03 53 29.3–.40	34.79N	32.51E	20	3.0L		
GII	VII	28 03 53 30.2–.00	34.52N	32.79E	1	3.0L		
DDA	VII	28 03 53 32.5	35.09N	32.65E	33	2.7L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.2km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=18.0.
GII Event type ke.

ISC	**VII**	**28 23 29 49.0–.45**	**34.86N–.02**	**34.32E–.02**	**36–1**	**4.3b,3.3s**	**827**	**0-97**
DDA	VII	28 23 29 43.0	34.75N	34.35E	9	4.5L,3.3s		**¶601484780**
BJI	VII	28 23 29 44.3	34.60N	33.83E	39	5.0b,4.7b		
ISCJB	VII	28 23 29 48.5–.14	34.87N–.01	34.30E–.01	49–2	4.3b,3.6s		
ISK	VII	28 23 29 48.3	34.92N	34.37E	28–0	4.5L,3.6s		
MOS	VII	28 23 29 49.3–1.2	34.89N	34.28E	54	4.3b,3.6s		
NIC	VII	28 23 29 49.0–.40	34.90N	34.43E	44	4.5L,3.6s		
HLW	VII	28 23 29 49.4	34.95N	34.19E	21–15	4.7L,3.6s		
NEIC	VII	28 23 29 49.9–.47	34.82N	34.27E	47–4	4.5L,4.5L		
IDC	VII	28 23 29 49.6–1.4	34.96N	34.28E	41–14	4.2,4.1		
CSEM	VII	28 23 29 49.9–.08	34.88N	34.33E	47–1	4.3b,4.1		
GRAL	VII	28 23 29 50.6–1.5	34.81N	34.33E	35–35	4.5,4.1		
GII	VII	28 23 29 52.1–.17	34.82N	34.33E	32–0	4.3b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=143.4.
ISK Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.4km az=115.1.
NIC Event type fe. Felt I=III MM at Paralimni.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.5km az=178.0. Felt [III] at Paralimni. Also felt at Ayia Napa, Larnaca, Paphos, Paramali and Trikomo. Felt at Baabda, Lebanon.
IDC Error ellipse: s-maj=10.1km s-min=9.0km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=38.0.
GRAL Error ellipse: s-maj=17.3km s-min=10.9km az=-1.0.
GII Event type ke.

ISC	**VII**	**31 02 40 25.8–1.8**	**34.49N–.06**	**32.09E–.05**	**14–15**		**41**	**0-3**
ISK	VII	31 02 40 30.5	34.66N	32.24E	6–0	2.2L		**¶601497422**
ISCJB	VII	31 02 40 31.1–1.1	34.63N–.06	32.27E–.06	10–5	2.2L		
CSEM	VII	31 02 40 31.8–.42	34.67N	32.30E	5	3.1L		
NIC	VII	31 02 40 31.5–.30	34.66N	32.23E	25	3.1L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=8.2km az=14.5.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=18.0.

ISC	**VIII**	**08 13 54 46.5–1.3**	**34.88N–.04**	**34.37E–.04**	**29–14**		**38**	**1-5**
NIC	VIII	08 13 54 48.8–.30	35.02N	34.36E	25	3.0L		**¶601533176**
ISK	VIII	08 13 54 48.6	34.99N	34.23E	29–0	2.0L		
GII	VIII	08 13 54 50.1–.35	34.74N	34.25E	31–0	2.0L		

ISC Event type ke.
ISK Event type ke.
GII Event type ke.

ISC	**VIII**	**13 21 54 35.0–1.4**	**34.61N–.04**	**32.66E–.06**	**11–9**		**33**	**0-5**
ISK	VIII	13 21 54 30.4	34.45N	32.55E	5–0	2.7L		**¶601889022**
GII	VIII	13 21 54 33.4–.00	34.65N	32.72E	1–0	2.7L		
NIC	VIII	13 21 54 35.2–.30	34.65N	32.64E	5	3.0L		

ISC Event type ke.
ISK Event type ke.
GII Event type ke.

ISC	**VIII**	**17 15 47 30.6–.94**	**34.46N–.04**	**31.07E–.04**	**35**		**80**	**1-35**
ISCJB	VIII	17 15 47 28.9–.30	34.40N–.02	31.05E–.03	33	3.8b		**¶601765996**
ISK	VIII	17 15 47 28.9	34.46N	31.02E	26–0	3.3L		
IDC	VIII	17 15 47 30.7–3.0	34.51N	31.06E	38–39	3.7b,3.6		
GII	VIII	17 15 47 32.4–.00	34.44N	31.10E	32	2.5,3.6		
NIC	VIII	17 15 47 33.4–.30	34.43N	31.38E	38	3.6L,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=43.4.
ISK Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=22.9km az=13.0.
GII Event type ke.

ISC	**VIII**	**24 15 48 07.8–1.2**	**34.59N–.03**	**33.40E–.03**	**13–8**		**68**	**0-5**
ISCJB	VIII	24 15 48 07.4–.56	34.52N–.02	33.35E–.04	7–4			**¶601627486**
NIC	VIII	24 15 48 07.2–.20	34.53N	33.40E	11	3.2L		
ISK	VIII	24 15 48 07.6	34.55N	33.24E	10–0	3.1L		
GII	VIII	24 15 48 08.0–.00	34.63N	33.46E	15	3.0		
DDA	VIII	24 15 48 56.3	35.81N	33.10E	15	3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=161.9.
ISK Event type ke.
GII Event type ke.
DDA Event type ke.

ISC	**VIII**	**24 15 58 12.4–3.6**	**34.56N–.09**	**33.38E–.04**	**9–28**		**30**	**0-3**
ISK	VIII	24 15 58 10.9	34.43N	33.22E	23–0	2.9L		**¶601627488**
DDA	VIII	24 15 58 11.4	34.54N	33.41E	5	3.1L		
ISCJB	VIII	24 15 58 12.4–1.3	34.50N–.07	33.41E–.06	12–5	3.1L		
NIC	VIII	24 15 58 12.9–.20	34.53N	33.39E	11	3.3L		

ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.7km az=7.0.

ISC	**VIII**	**29 02 32 39.0–1.8**	**34.87N–.07**	**32.14E–.08**	**20**		**21**	**0-4**
NIC	VIII	29 02 32 37.5–.20	34.91N	32.06E	13	3.2L		**¶601629778**
ISK	VIII	29 02 32 39.5	34.86N	32.26E	15–0	3.0L		
ISCJB	VIII	29 02 32 40.1–1.1	34.84N–.06	32.25E–.08	20	3.0L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke.

ISC	**VIII**	**29 03 49 23.3–.00**	**34.82N–.05**	**33.04E–.03**	**13–8**		**33**	**0-3**
ISK	VIII	29 03 49 21.9	34.77N	33.01E	10–0	3.2L		**¶601629779**
ISCJB	VIII	29 03 49 22.8–.66	34.78N–.04	33.05E–.04	11–3	3.2L		
NIC	VIII	29 03 49 23.0–.20	34.81N	33.05E	10	3.3L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.9km az=174.9.
NIC Event type fe. Felt I=II MM at Lemesos.

ISC	**VIII**	**31 18 23 22.4–1.2**	**35.17N–.03**	**33.74E–.03**	**34–2**		**33**	**0-3**
ISCJB	VIII	31 18 23 21.8–.69	35.11N–.04	33.75E–.04	52–8			**¶601671783**
NIC	VIII	31 18 23 22.1–.40	35.14N	33.73E	47	3.2L		
ISK	VIII	31 18 23 22.8	35.28N	33.64E	21–0	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=165.2.
ISK Event type ke.

ISC	**IX**	**01 15 54 40.5–1.2**	**35.29N–.03**	**32.21E–.03**	**30–13**		**95**	**0-6**
ISK	IX	01 15 54 39.6	35.23N	32.23E	30–0	3.5L		**¶601671975**
JSO	IX	01 15 54 40.2–3.0	35N–21	32E–20	10	4.1,3.8		
GII	IX	01 15 54 40.3–.55	35.43N	32.51E	44	4.1,3.8		
NIC	IX	01 15 54 41.8–.20	35.33N	32.35E	65	3.5L,3.8		
DDA	IX	01 15 54 43.1	35.43N	32.52E	44	3.5L,3.8		

ISC Event type ke.
ISK Event type ke.
GII Event type ke.
DDA Event type ke.

ISC	**IX**	**05 02 06 05.2–2.3**	**34.79N–.09**	**32.65E–.06**	**21–2**		**16**	**0-2**
NIC	IX	05 02 06 05.9–.10	34.80N	32.62E	18	2.8L		**¶601675142**
ISCJB	IX	05 02 06 06.0–1.1	34.85N–.07	32.70E–.08	27–5	2.8L		
ISK	IX	05 02 06 09.4	35.23N	33.01E	3–0	1.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=8.7km az=36.6.
ISK Event type ke.

ISC	**IX**	**07 10 03 00.3–1.1**	**35.56N–.03**	**32.43E–.04**	**14–9**		**34**	**0-2**
ISK	IX	07 10 02 59.5	35.53N	32.43E	17–0	2.5L		**¶601697851**
ISCJB	IX	07 10 03 00.6–.59	35.58N–.03	32.49E–.06	6–6	2.5L		
DDA	IX	07 10 03 00.5	35.57N	32.54E	8	2.9L		
NIC	IX	07 10 03 03.2–.20	35.41N	32.43E	0	2.6L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.2km az=171.6.
DDA Event type ke.

ISC	**IX**	**16 21 23 39.9–1.4**	**35.98N–.03**	**31.01E–.03**	**11–11**		**80**	**1-7**
ISCJB	IX	16 21 23 39.8–.82	35.94N–.03	30.99E–.02	15–8			**¶601719685**
ISK	IX	16 21 23 39.6	35.98N	31.00E	17–0	3.3L		
DDA	IX	16 21 23 39.4	35.93N	31.05E	23	3.3L		
NIC	IX	16 21 23 41.6–.30	36.42N	31.47E	17	3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.9km az=17.0.
ISK Event type ke.
DDA Event type ke.

ISC	**IX**	**17 16 02 49.6–1.5**	**34.57N–.06**	**33.31E–.05**	**14–10**		**23**	**0-3**
ISCJB	IX	17 16 02 48.7–1.1	34.53N–.06	33.36E–.06	10–6			**¶601721779**
ISK	IX	17 16 02 48.7	34.55N	33.31E	14–0	2.5L		
NIC	IX	17 16 02 48.4–.30	34.49N	33.34E	10	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.6km az=25.5.
ISK Event type ke.

ISC	**IX**	**18 03 00 43.7–1.1**	**34.54N–.03**	**33.30E–.04**	**13–9**		**61**	**0-5**
ISCJB	IX	18 03 00 42.7–.61	34.49N–.02	33.31E–.04	10–5			**¶601721803**
NIC	IX	18 03 00 42.5–.30	34.49N	33.35E	10	3.3L		
ISK	IX	18 03 00 42.6	34.52N	33.29E	13–0	2.9L		
GII	IX	18 03 00 43.3–.00	34.54N	33.33E	10	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=161.1.
ISK Event type ke.
GII Event type ke.

ISC	**IX**	**25 14 09 11.7–1.2**	**34.80N–.03**	**33.95E–.03**	**48–10**		**60**	**0-5**
ISK	IX	25 14 09 09.8	34.74N	33.98E	28–0	3.0L		**¶601740387**
ISCJB	IX	25 14 09 11.0–.33	34.77N–.02	33.95E–.04	51–7	3.0L		
NIC	IX	25 14 09 13.9–.20	34.91N	33.84E	37	2.9L		
GII	IX	25 14 09 14.1–.00	34.68N	33.83E	32–0	2.1		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=151.6.
GII Event type ke.

ISC	**IX**	**26 07 09 42.7–3.2**	**34.6N–.10**	**32.2E–.10**	**28**		**21**	**0-2**
NIC	IX	26 07 09 38.7–.30	34.34N	32.16E	20	2.8L		**¶601742251**
ISK	IX	26 07 09 45.0	34.98N	32.19E	9–0	2.6L		

ISC Event type ke.
ISK Event type ke.

ISC	**IX**	**30 15 52 35.9–1.2**	**34.99N–.02**	**33.69E–.03**	**47–6**		**104**	**0-5**
ISCJB	IX	30 15 52 34.7–.24	34.97N–.02	33.69E–.03	55–4			**¶601776121**
DDA	IX	30 15 52 34.0	35.01N	33.61E	50	3.5L		
ISK	IX	30 15 52 34.1	34.99N	33.64E	54–0	3.4L		
GII	IX	30 15 52 36.4–.00	34.78N	33.75E	10–0	2.8		
NIC	IX	30 15 52 36.9–.30	35.05N	33.63E	39	3.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=159.8.
DDA Event type ke.
ISK Event type ke.
GII Event type ke.

ISC	**X**	**02 13 46 43.2–1.1**	**34.57N–.03**	**32.98E–.03**	**12–8**		**105**	**0-39**
JSO	X	02 13 46 23.6–9.7	36N–63	32E–50	10	4.5b,4.3		**¶601777958**
HLW	X	02 13 46 36.1	35.07N	32.92E	10–19	3.5L,3.5		
ISK	X	02 13 46 39.1	34.38N	32.91E	5–0	3.7L,3.5		
ISCJB	X	02 13 46 41.7–.53	34.46N–.02	32.99E–.03	1–4	3.4b,3.5		
GII	X	02 13 46 41.7–.00	34.58N	33.02E	2	2.8,3.5		
DDA	X	02 13 46 42.8	34.56N	32.92E	20	3.6L,3.5		
IDC	X	02 13 46 43.0–1.7	34.41N	33.10E	0	3.7,3.6		
NIC	X	02 13 46 43.8–.20	34.54N	33.08E	8	3.6L,3.6		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=162.9.
GII Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=17.9km az=43.0.
NIC Event type fe. Felt I=II MM at Lemesos.

ISC	**X**	**11 04 55 40.3–1.7**	**34.56N–.04**	**32.67E–.04**	**10–13**		**48**	**0-5**
ISK	X	11 04 55 34.9	34.25N	32.54E	5–0	3.1L		**¶601825985**
ISCJB	X	11 04 55 38.9–.70	34.44N–.02	32.63E–.05	1–4	3.1L		
DDA	X	11 04 55 39.2	34.60N	32.27E	3	3.0L		
GII	X	11 04 55 39.4–.00	34.55N	32.73E	1	2.6		
NIC	X	11 04 55 40.1–.20	34.50N	32.65E	21	3.3L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.4km az=165.6.
DDA Event type ke.
GII Event type ke.

ISC	**X**	**17 03 22 28.5–.96**	**35.15N–.04**	**33.15E–.03**	**33–3**		**35**	**0-3**
ISK	X	17 03 22 26.1	35.00N	33.13E	45–1	2.4L		**¶601837359**
ISCJB	X	17 03 22 27.1–.75	35.01N–.04	33.15E–.05	47–6	2.4L		
NIC	X	17 03 22 27.6–.30	35.05N	33.15E	43	2.7L		
DDA	X	17 03 22 28.3	35.33N	33.18E	8	2.9L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.8km az=150.1.
DDA Event type ke.

ISC	**X**	**18 06 46 39.5–.93**	**34.91N–.02**	**33.93E–.03**	**50–7**		**126**	**0-35**
IDC	X	18 06 46 33.5–1.3	35.12N	33.84E	0	4.0,4.0		**¶601838163**
ISK	X	18 06 46 37.3	34.85N	34.00E	32–1	3.7L,4.0		
ISCJB	X	18 06 46 38.1–.21	34.93N–.01	33.90E–.03	61–4	3.8b,4.0		
DDA	X	18 06 46 38.7	35.10N	33.80E	44	3.9L,4.0		
HLW	X	18 06 46 38.0	34.99N	33.81E	33–23	4.0,3.9L		
GII	X	18 06 46 39.4–.00	34.74N	33.92E	10–0	4.0,3.9L		
NIC	X	18 06 46 39.5–.20	35.07N	33.84E	50	4.0b,3.7L		
JSO	X	18 06 46 41.1–1.2	35N–12	34E–14	0	4.3,4.3		
GRAL	X	18 06 46 44.9–.25	34.56N	34.40E	0–5	3.4,4.3		

ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=17.7km az=70.0.
ISK Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.1km az=158.1.
DDA Event type ke.
GII Event type ke.
NIC Event type fe. Felt I=II at Larnaca district.
GRAL Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

ISC	**X**	**20 16 58 02.1–1.7**	**34.38N–.04**	**32.38E–.08**	**7–13**		**38**	**1-5**
ISK	X	20 16 57 59.7	34.30N	32.27E	8–0	2.4L		**¶601840540**
ISCJB	X	20 16 58 00.5–.99	34.30N–.03	32.34E–.07	6–6	2.4L		
NIC	X	20 16 58 01.1–.20	34.23N	32.07E	30	3.1L		
GII	X	20 16 58 02.8–.00	34.33N	32.48E	11–0	3.1L		

ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=177.5.

GII Event type ke.
ISC X 23 22 16 36.3–1.3 34.94N–.04 33.86E–.04 50–9 42 0-5
ISK X 23 22 16 34.5 34.85N 33.93E 31–0 2.5L ¶601844002
ISCJB X 23 22 16 35.5–.44 34.93N–.03 33.89E–.05 56–6 2.5L
GII X 23 22 16 35.7–.00 34.86N 34.00E 10–0 2.5L
NIC X 23 22 16 36.6–.30 34.95N 33.84E 50 2.8L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=150.6.
GII Event type ke.
DDA X 26 15 07 10.0 35.74N 33.31E 7 2.6
¶603002143
DDA Event type ke.
ISK X 27 11 00 55.9 35.68N 32.86E 14–0 1.9L
¶602080404
ISK Event type ke.
ISC X 28 04 11 52.5–1.2 35.67N–.04 31.84E–.03 11–11 43 1-4
ISCJB X 28 04 11 52.4–.75 35.62N–.04 31.84E–.05 5–5 ¶602080420
ISK X 28 04 11 52.8 35.63N 31.92E 3–0 3.3L
NIC X 28 04 11 54.4–.40 35.79N 31.99E 25 3.3L
DDA X 28 04 12 24.6 36.19N 31.37E 11 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.3km az=139.2.
ISK Event type ke.
DDA Event type ke.
ISC X 31 14 48 56.2–1.9 35.02N–.04 34.00E–.05 17–16 28 0-5
GII X 31 14 48 56.2–.00 34.81N 33.99E 1 1.9 ¶602080580
ISK X 31 14 48 58.2 35.01N 33.90E 31–0 2.5L
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
ISC XI 01 17 01 04.2–3.4 34.4N–.10 32.0E–.10 23–15 25 1-3
NIC XI 01 17 01 04.4–.20 34.54N 31.92E 33 3.3L ¶601867827
ISK XI 01 17 01 05.8 34.57N 32.21E 16–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC XI 10 08 33 58.2–1.5 35.08N–.05 33.94E–.04 52–9 35 0-3
ISCJB XI 10 08 33 57.3–.81 35.08N–.04 33.95E–.05 58–8 ¶601884069
NIC XI 10 08 33 57.9–.30 35.23N 33.87E 50 3.0L
ISK XI 10 08 33 57.0 35.06N 34.02E 31–0 3.0L
DDA XI 10 08 34 00.1 35.29N 33.68E 8 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.3km az=141.7.
ISK Event type ke.
DDA Event type ke.
ISC XI 10 16 11 53.3–1.1 35.35N–.03 33.15E–.04 13–12 15 0-1
NIC XI 10 16 11 50.5–.10 35.50N 33.18E 25 3.2L ¶601884070
ISK XI 10 16 11 51.8 35.25N 33.10E 30–0 2.2L
ISC Event type ke.
ISK Event type ke.
ISC XI 13 13 21 03.1–1.1 34.56N–.03 32.77E–.04 21–2 51 0-5
NIC XI 13 13 20 57.4–.20 34.31N 32.69E 17 3.1L ¶601891443
ISK XI 13 13 20 59.9 34.40N 32.79E 14–0 3.1L
ISCJB XI 13 13 21 00.2–.76 34.44N–.02 32.70E–.05 4–4 3.1L
GII XI 13 13 21 01.8–.00 34.55N 32.77E 10 1.7
DDA XI 13 13 21 11.2 35.16N 33.03E 5 2.4L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=164.9.
GII Event type ke.
DDA Event type ke.
ISC XI 15 04 10 05.5–1.3 35.47N–.04 31.43E–.04 6–12 48 1-3
DDA XI 15 04 10 04.1 35.41N 31.35E 9 3.3L ¶601901497
NIC XI 15 04 10 05.5–.20 35.84N 31.44E 64 3.1L
ISK XI 15 04 10 08.8 35.51N 31.72E 11–0 2.9L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISC XI 16 01 32 21.4–1.1 35.07N–.03 34.01E–.04 32–11 54 0-5
ISCJB XI 16 01 32 21.9–.32 34.99N–.02 33.95E–.06 50–9 ¶602081647
DDA XI 16 01 32 22.1 35.15N 33.89E 10 2.6L
GII XI 16 01 32 23.2–.00 34.87N 33.98E 16–0 2.3
ISK XI 16 01 32 24.6 35.26N 33.80E 17–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=2.8km az=164.5.
DDA Event type ke.
GII Event type ke.
ISK Event type ke.
ISC XI 18 04 22 06.0–1.6 34.43N–.06 33.28E–.05 24–13 41 0-4
ISK XI 18 04 22 04.8 34.41N 33.30E 21–0 3.4L ¶601992626
ISCJB XI 18 04 22 05.6–.97 34.38N–.06 33.34E–.06 32–5 3.4L
NIC XI 18 04 22 06.4–.10 34.44N 33.27E 45 3.0L
DDA XI 18 04 22 15.3 35.25N 32.56E 5 3.2L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=33.1.
DDA Event type ke.
ISC XI 29 18 31 43.8–1.3 35.13N–.05 31.11E–.03 31–12 66 1-40
ISK XI 29 18 31 35.7 34.79N 31.03E 2–0 3.5L ¶601995270
IDC XI 29 18 31 40.5–1.6 35.12N 31.13E 0 3.4b,3.3
ISCJB XI 29 18 31 41.8–.47 35.04N–.03 31.03E–.03 38–14 3.2b,3.3
NIC XI 29 18 31 44.1–.20 35.54N 31.19E 40 3.5L,3.3
DDA XI 29 18 31 47.3 35.51N 31.15E 50 3.3L,3.3
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=17.7km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=32.3.
DDA Event type ke.
ISC XI 30 19 27 28.1–.94 34.94N–.03 33.98E–.03 32–6 63 0-5
ISK XI 30 19 27 24.9 34.85N 34.04E 23–0 3.1L ¶601995492
ISCJB XI 30 19 27 27.0–.51 34.92N–.02 34.01E–.04 27–5 3.1L
GII XI 30 19 27 26.3–.00 34.82N 34.01E 1 2.3
DDA XI 30 19 27 26.7 35.06N 33.95E 17 3.1L
NIC XI 30 19 27 29.7–.30 34.96N 33.95E 25 3.3L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=160.4.
GII Event type ke.
DDA Event type ke.
ISC XII 01 11 32 47.9–1.4 34.42N–.03 32.05E–.03 24–12 3.6b 107 1-37
IDC XII 01 11 32 44.8–1.0 34.48N 31.96E 0 4.0L,3.8 ¶601995618
ISK XII 01 11 32 46.0 34.37N 32.16E 11–0 3.7L,3.8
GII XII 01 11 32 47.4–.00 34.41N 32.16E 6–1 3.2,3.8
HLW XII 01 11 32 49.9 34.30N 32.32E 26–23 3.6,3.8
NIC XII 01 11 32 49.1–.10 34.52N 32.03E 36 3.8L,3.8
DDA XII 01 11 32 50.9 34.58N 32.40E 32 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=16.9km az=30.0.
ISK Event type ke.
GII Event type ke.
DDA Event type ke.
ISC XII 02 00 21 59.4–1.4 34.48N–.03 32.97E–.04 3–11 96 0-6
ISK XII 02 00 21 55.7 34.39N 32.93E 5–0 3.5L ¶601995713
ISCJB XII 02 00 21 57.9–.58 34.45N–.02 32.90E–.03 4–4 3.5L
NIC XII 02 00 21 57.5–.20 34.45N 33.03E 5 3.6L
DDA XII 02 00 21 57.8 34.50N 33.09E 7 3.6L
GII XII 02 00 21 59.7–.00 34.62N 32.95E 20 2.6
HLW XII 02 00 22 01.9 34.38N 32.93E 10–18 3.4
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=155.5.

DDA Event type ke.
GII Event type ke.
ISK XII 05 14 37 21.6 35.32N 33.10E 18–0 2.0L
¶602330162
ISK Event type ke.
ISC XII 05 17 17 47.4–1.1 34.73N–.03 33.19E–.04 11–9 57 0-5
ISCJB XII 05 17 17 46.8–.47 34.71N–.02 33.16E–.04 14–4 ¶601996089
DDA XII 05 17 17 46.4 34.75N 33.25E 7 3.2L
ISK XII 05 17 17 46.2 34.72N 33.13E 18–0 3.1L
NIC XII 05 17 17 47.2–.20 34.73N 33.15E 5 3.2L
GII XII 05 17 17 49.6–.00 34.58N 33.45E 1 2.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=169.0.
DDA Event type ke.
ISK Event type ke.
NIC Event type fe. Felt I=II MM at Lemesos.
GII Event type ke.
ISC XII 05 20 14 40.3–2.2 35.39N–.07 31.75E–.07 15–12 22 1-3
DDA XII 05 20 14 39.2 35.46N 31.65E 7 2.8L ¶602330169
ISCJB XII 05 20 14 41.7–1.3 35.3N–.10 31.85E–.08 15–14 2.8L
ISK XII 05 20 14 42.6 35.35N 31.90E 24–0 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=9.1km az=18.4.
ISK Event type ke.
ISC XII 11 20 30 10.6–1.2 35.01N–.03 33.68E–.03 43–7 62 0-5
ISK XII 11 20 30 06.3 34.86N 33.70E 56–1 3.5L ¶602036409
ISCJB XII 11 20 30 09.0–.34 34.99N–.02 33.69E–.04 53–4 3.5L
NIC XII 11 20 30 10.2–.40 35.01N 33.63E 46 3.4L
JSO XII 11 20 30 12.6–1.9 35N–36 34E–30 33–125 4.0,3.9
DDA XII 11 20 30 39.4 35.06N 33.75E 26 3.6L,3.9
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=163.3.
DDA Event type ke.
ISC XII 11 20 42 32.3–1.4 35.00N–.07 33.70E–.05 44 26 0-3
ISK XII 11 20 42 29.9 34.91N 33.84E 45–3 3.1L ¶602037005
NIC XII 11 20 42 31.9–.20 35.05N 33.66E 49 3.1L
ISCJB XII 11 20 42 32.2–.65 35.03N–.06 33.70E–.05 44 3.1L
ISC Event type ke.
ISK Event type ke.
ISCJB Event type ke.
ISC XII 14 00 31 20.4–1.3 35.40N–.02 33.34E–.03 22–4 46 0-3
DDA XII 14 00 31 19.0 35.43N 33.29E 30 3.3L ¶602043458
ISK XII 14 00 31 19.7 35.41N 33.34E 12–0 3.3L
ISCJB XII 14 00 31 20.1–.35 35.41N–.02 33.33E–.03 13–3 3.3L
NIC XII 14 00 31 23.6–.10 35.15N 33.13E 24 3.3L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=17.1.
ISC XII 21 18 20 23.1–.96 35.74N–.04 31.96E–.04 10 38 1-4
DDA XII 21 18 20 23.1 35.77N 32.00E 5 3.1L ¶602059069
ISCJB XII 21 18 20 25.2–.54 35.76N–.03 32.08E–.05 10 3.1L
NIC XII 21 18 20 27.1–.30 35.81N 32.33E 15 3.2L
ISK XII 21 18 20 34.3 35.69N 32.86E 12–0 2.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=150.0.
ISK Event type ke.
ISC XII 26 23 22 27.2–1.2 34.92N–.06 33.45E–.05 33–5 19 0-2
NIC XII 26 23 22 26.4–.20 34.86N 33.50E 36 3.0L ¶602059075
ISCJB XII 26 23 22 27.1–.00 34.85N–.08 33.48E–.05 33–7 3.0L
ISK XII 26 23 22 28.2 35.11N 33.27E 5–0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.1km az=164.5.
ISK Event type ke.

(373) Dead Sea region.

ISC VIII 11 04 00 45.7–1.0 30.01N–.02 35.21E–.04 17–7 52 0-4
SGS VIII 11 04 00 46.5 30.01N 34.98E 10 ¶604039513
HLW VIII 11 04 00 46.9 30.05N 35.29E 8–15 3.2
ISCJB VIII 11 04 00 47.6–.35 29.94N–.02 35.10E–.05 21–3 3.2
GII VIII 11 04 00 47.3–.09 29.96N 35.13E 9 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=2.7km az=1.9.
GII Event type ke.
ISC VIII 25 20 22 06.9–.87 32.94N–.03 35.22E–.05 15–6 36 0-3
ISCJB VIII 25 20 22 06.9–.53 32.94N–.02 35.15E–.05 10–3 ¶604036761
GII VIII 25 20 22 06.4–.00 32.92N 35.17E 3–0 2.0
GRAL VIII 25 20 22 12.4–.28 33.09N 35.39E 7–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.0km az=19.6.
GII Event type ke.
GRAL Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
ISC XII 26 14 00 22.7–1.9 32.99N–.05 34.91E–.10 19–3 21 0-2
ISCJB XII 26 14 00 23.4–1.2 33.05N–.04 34.94E–.07 12–6 ¶604741284
GII XII 26 14 00 23.7–.36 33.05N 35.00E 17–0 1.5
GRAL XII 26 14 00 23.9–.28 32.88N 35.03E 26–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.6km az=25.9.
GII Event type ke.
GRAL Error ellipse: s-maj=5.7km s-min=5.0km az=-1.0.

(374) Jordan-Syria region.

ISC VII 08 06 32 59.6–1.6 33.30N–.03 35.38E–.05 20–5 29 0-2
GII VII 08 06 32 59.2–.00 33.26N 35.37E 1 ¶604035805
CSEM VII 08 06 33 00.6 33.29N 35.39E 3 2.6L
GRAL VII 08 06 33 00.6–.24 33.29N 35.39E 4–3 2.6
ISC Event type ke.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=0.7km s-min=2.6km az=-1.0.
ISC VII 08 06 39 28.5–.96 33.28N–.03 35.38E–.04 12–8 35 0-3
ISCJB VII 08 06 39 28.4–.55 33.31N–.03 35.35E–.05 9–6 ¶604035806
GII VII 08 06 39 28.0–.00 33.27N 35.36E 1 1.8
CSEM VII 08 06 39 29.4 33.28N 35.38E 0 2.9L
GRAL VII 08 06 39 29.4–.23 33.28N 35.38E 0–67 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.4km az=28.2.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=0.8km s-min=3.0km az=-1.0.
ISC VII 10 02 18 28.7–.97 33.24N–.03 35.49E–.04 18–6 29 0-2
ISCJB VII 10 02 18 28.5–.49 33.22N–.03 35.48E–.04 13–5 ¶604035807
GII VII 10 02 18 28.0–.00 33.15N 35.49E 1 1.1
CSEM VII 10 02 18 31.9 33.32N 35.59E 5 2.7L
GRAL VII 10 02 18 31.9–.26 33.32N 35.59E 6–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=31.0.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0.
ISC VII 10 17 35 00.7–.85 33.32N–.01 35.34E–.03 16–6 91 0-5
GII VII 10 17 34 59.5–.00 33.32N 35.35E 2 3.7 ¶601357552
JSO VII 10 17 34 59.8–.97 33.35N 35.33E 0–11 3.4
ISCJB VII 10 17 35 00.2–.36 33.33N–.01 35.30E–.04 9–3 3.4
CSEM VII 10 17 35 01.0–.12 33.33N 35.34E 10 3.5L
GRAL VII 10 17 35 01.7–.26 33.30N 35.36E 0–2 3.5
DDA VII 10 17 35 39.5 33.30N 35.31E 13 3.5L
ISC Event type ke.

GII Event type ke.
JSO Error ellipse: s-maj=26.0km s-min=21.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.4km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=101.0.
GRAL Error ellipse: s-maj=0.6km s-min=1.6km az=-1.0.
ISC VII 10 17 37 46.1–1.0 33.31N–.03 35.35E–.05 15–9 30 0-1
GII VII 10 17 37 45.9–.00 33.28N 35.37E 5 1.6 **¶604035808**
CSEM VII 10 17 37 47.4 33.32N 35.37E 3 2.7L
GRAL VII 10 17 37 47.4–.26 33.32N 35.37E 4–3 2.7
ISC Event type ke.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISC VII 12 09 11 05.6–1.1 33.32N–.03 35.36E–.04 20–3 28 0-2
ISCJB VII 12 09 11 05.8–.68 33.31N–.03 35.36E–.05 10–9 **¶604035812**
GII VII 12 09 11 05.8–.00 33.27N 35.38E 5 1.4
CSEM VII 12 09 11 08.1 33.34N 35.42E 1 2.5L
GRAL VII 12 09 11 08.1–.28 33.34N 35.42E 2–46 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.5km az=36.1.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=3.5km s-min=4.9km az=-1.0.
ISC VII 13 10 49 46.9–1.1 36.62N–.03 36.37E–.03 9–10 28 0-1
ISK VII 13 10 49 46.5 36.59N 36.38E 7–2 2.2L **¶601831098**
CSEM VII 13 10 49 47.1–.22 36.62N 36.37E 10 2.2L
DDA VII 13 10 49 47.5 36.65N 36.37E 7 2.5L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=126.0.
ISC VII 13 19 15 21.2–1.3 33.57N–.04 35.32E–.06 18–5 31 0-2
GII VII 13 19 15 20.7–.06 33.57N 35.33E 11–0 1.3 **¶604035819**
ISCJB VII 13 19 15 21.1–.92 33.61N–.04 35.31E–.07 15–8 1.3
GRAL VII 13 19 15 22.5–.33 33.57N 35.38E 18–5 2.9
CSEM VII 13 19 15 22.5 33.57N 35.38E 18 2.9L
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.3km az=27.1.
GRAL Error ellipse: s-maj=1.4km s-min=7.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 14 05 27 35.3–.95 33.31N–.02 35.36E–.03 13–8 68 0-4
ISCJB VII 14 05 27 34.7–.50 33.32N–.02 35.33E–.04 6–4 **¶604035820**
CSEM VII 14 05 27 34.8–.17 33.33N 35.34E 5 2.4
GII VII 14 05 27 34.4–.00 33.28N 35.37E 2 2.4
GRAL VII 14 05 27 35.9–.27 33.30N 35.36E 0–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=2.8km az=23.8.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=1.9km az=114.0.
GII Event type ke.
GRAL Error ellipse: s-maj=0.9km s-min=2.6km az=-1.0.
ISC VII 14 19 27 32.3–1.1 33.30N–.03 35.36E–.05 20–5 33 0-9
GII VII 14 19 27 31.6–.07 33.29N 35.36E 4–0 1.5 **¶604035821**
ISCJB VII 14 19 27 32.1–.61 33.30N–.04 35.34E–.05 13–7 1.5
CSEM VII 14 19 27 32.7 33.26N 35.35E 10 2.6L
GRAL VII 14 19 27 32.7–.24 33.26N 35.35E 10–6 2.6
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.3km az=38.5.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
ISC VII 14 22 59 28.7–1.0 33.34N–.03 35.33E–.04 14–8 39 0-3
ISCJB VII 14 22 59 28.7–.54 33.31N–.03 35.34E–.05 12–6 **¶604035822**
GII VII 14 22 59 28.4–.24 33.30N 35.36E 3–0 1.5
GRAL VII 14 22 59 29.8–.26 33.31N 35.34E 0–84 2.6
CSEM VII 14 22 59 29.8 33.31N 35.34E 0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.0km az=32.2.
GII Event type ke.
GRAL Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 17 02 55 08.2–1.1 36.99N–.02 36.72E–.02 5–10 108 0-3
ISK VII 17 02 55 07.7 36.99N 36.75E 8–0 3.1L **¶601831274**
DDA VII 17 02 55 08.1 37.01N 36.72E 3 3.5L
CSEM VII 17 02 55 08.2–.14 36.99N 36.72E 2 3.1L
ISC Event type ke.
ISK Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=148.0.
ISC VII 17 14 12 03.0–.95 33.30N–.03 35.38E–.04 15–8 39 0-2
ISCJB VII 17 14 12 02.7–.54 33.30N–.03 35.35E–.04 11–6 **¶604036098**
GII VII 17 14 12 02.6–.13 33.27N 35.37E 5–0 1.9
CSEM VII 17 14 12 04.3 33.30N 35.40E 4 2.7L
GRAL VII 17 14 12 04.3–.27 33.30N 35.40E 5–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.1km az=32.3.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0.
ISC VII 17 22 14 18.1–1.1 33.33N–.03 35.35E–.05 19–2 34 0-2
GII VII 17 22 14 18.5–.01 33.28N 35.35E 4–0 1.9 **¶604036101**
CSEM VII 17 22 14 20.0 33.32N 35.36E 4 2.7L
GRAL VII 17 22 14 20.0–.25 33.32N 35.36E 5–3 2.7
ISC Event type ke.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
ISC VII 21 15 53 24.1–1.1 33.30N–.03 35.37E–.04 19–2 38 0-2
ISCJB VII 21 15 53 23.7–.53 33.30N–.03 35.35E–.04 11–6 **¶604036417**
GII VII 21 15 53 23.4–.00 33.29N 35.37E 5 1.6
CSEM VII 21 15 53 24.9 33.29N 35.38E 9 2.8L
GRAL VII 21 15 53 24.9–.25 33.29N 35.38E 10–7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.0km az=31.0.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
ISC VII 21 17 03 00.2–1.1 33.31N–.02 35.34E–.04 9–11 55 0-4
ISCJB VII 21 17 02 59.7–.50 33.30N–.02 35.34E–.05 9–4 **¶601605937**
GII VII 21 17 02 59.8–.00 33.27N 35.37E 5 3.1
CSEM VII 21 17 03 00.3–.07 33.32N 35.36E 10 3.1
GRAL VII 21 17 03 00.9–.22 33.30N 35.35E 0–46 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.0km az=25.2.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=112.0.
GRAL Error ellipse: s-maj=0.8km s-min=2.5km az=-1.0.
ISC VII 21 18 56 47.8–.95 33.31N–.02 35.35E–.03 12–8 74 0-4
ISCJB VII 21 18 56 47.3–.48 33.32N–.02 35.33E–.04 4–4 **¶601605938**
CSEM VII 21 18 56 47.5–.16 33.33N 35.34E 5 2.6
GII VII 21 18 56 47.2–.00 33.28N 35.37E 2 2.6
GRAL VII 21 18 56 48.6–.23 33.31N 35.37E 3–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=25.1.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=1.8km az=113.0.
GII Event type ke.
GRAL Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.
GRAL VII 24 08 10 17.4–.29 34.07N 35.69E 0–22 2.9
CSEM VII 24 08 10 17.4 34.07N 35.69E 0 2.9L **¶604036421**
GRAL Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 27 19 43 12.5–1.0 33.33N–.03 35.39E–.04 14–9 46 0-3
ISCJB VII 27 19 43 12.5–.54 33.32N–.02 35.33E–.04 3–4 **¶604036462**
GII VII 27 19 43 12.6–.00 33.26N 35.37E 2 1.6
CSEM VII 27 19 43 14.0 33.31N 35.38E 0 2.6L
GRAL VII 27 19 43 14.0–.24 33.31N 35.38E 0–72 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=2.9km az=30.9.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
ISC VII 30 21 03 26.6–1.0 33.34N–.03 35.40E–.05 26–7 32 0-1
GII VII 30 21 03 27.6–.00 33.31N 35.36E 10 1.0 **¶604036469**
CSEM VII 30 21 03 29.2 33.34N 35.49E 25 2.5L
GRAL VII 30 21 03 29.2–.29 33.34N 35.49E 26–7 2.5
ISC Event type ke.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=3.2km s-min=10.5km az=-1.0.
ISC VII 30 23 29 13.1–.98 33.31N–.03 35.37E–.04 11–9 40 0-2
ISCJB VII 30 23 29 12.8–.54 33.31N–.02 35.34E–.04 4–8 **¶604036470**
GII VII 30 23 29 13.0–.00 33.27N 35.37E 3 1.3
CSEM VII 30 23 29 15.8 33.35N 35.46E 0 2.6L
GRAL VII 30 23 29 15.8–.27 33.35N 35.46E 0–56 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.0km az=30.2.
GII Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
GRAL Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
ISC VIII 02 10 09 38.2–1.1 36.99N–.03 36.75E–.02 6–10 34 0-2
ISK VIII 02 10 09 37.6 36.99N 36.74E 6–0 2.6L **¶601888438**
DDA VIII 02 10 09 38.4 37.01N 36.76E 7 3.2L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISC VIII 03 00 23 01.7–1.3 35.19N–.03 36.63E–.05 7–11 34 1-3
ISCJB VIII 03 00 23 01.3–1.1 35.20N–.02 36.57E–.06 4–6 **¶601888473**
GRAL VIII 03 00 23 03.2–.29 35.28N 36.27E 1–1 3.3
ISK VIII 03 00 23 05.4 35.34N 36.14E 5–0 2.2L
DDA VIII 03 00 23 24.7 35.39N 36.74E 10 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.8km az=12.3.
GRAL Error ellipse: s-maj=3.4km s-min=13.6km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC VIII 05 00 21 17.9–2.4 35.8N–.10 36.83E–.05 15–13 12 1-2
ISCJB VIII 05 00 21 18.8–1.9 35.82N–.09 36.80E–.07 12–9 **¶601888588**
DDA VIII 05 00 21 18.1 35.82N 36.82E 16 2.4
ISK VIII 05 00 21 19.3 35.87N 36.78E 8–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=8.5km az=167.5.
DDA Event type ke.
ISK Event type ke.
ISC VIII 12 18 21 27.5–.95 33.56N–.03 35.58E–.07 12–7 21 0-1
ISCJB VIII 12 18 21 27.0–.80 33.56N–.03 35.53E–.08 12–10 **¶604036732**
GII VIII 12 18 21 27.3–.00 33.50N 35.54E 1–0 1.3
GRAL VIII 12 18 21 28.0–.25 33.58N 35.61E 12–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.4km az=177.3.
GII Event type ke.
GRAL Error ellipse: s-maj=0.6km s-min=1.8km az=-1.0.
ISC VIII 22 21 11 10.1–.90 36.19N–.03 36.18E–.04 16–7 53 0-4
ISCJB VIII 22 21 11 09.9–.39 36.17N–.02 36.19E–.04 21–4 **¶601889990**
ISK VIII 22 21 11 09.6 36.21N 36.18E 18–0 2.9L
DDA VIII 22 21 11 10.5 36.19N 36.26E 7 3.3L
GII VIII 22 21 11 10.0–.00 36.20N 36.18E 15 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=16.9.
ISK Event type ke.
DDA Event type ke.
GII Event type ke.
ISC VIII 24 05 35 05.2–.88 33.11N–.03 35.50E–.04 15–7 39 0-3
ISCJB VIII 24 05 35 05.9–.34 33.13N–.02 35.46E–.04 8–3 **¶604036754**
GII VIII 24 05 35 05.5–.00 33.11N 35.47E 3 2.6
GRAL VIII 24 05 35 05.4–.25 33.07N 35.43E 0–2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=2.4km az=27.7.
GII Event type ke.
GRAL Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
ISC VIII 25 02 42 17.7–.98 33.12N–.03 35.51E–.05 14–9 26 0-2
GII VIII 25 02 42 17.8–.00 33.11N 35.46E 3–0 **¶604036759**
ISCJB VIII 25 02 42 18.4–.42 33.12N–.03 35.46E–.04 5–5
GRAL VIII 25 02 42 18.5–.31 33.07N 35.48E 0–5 2.7
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.0km az=31.6.
GRAL Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
ISC VIII 28 16 30 40.8–.91 33.12N–.02 35.45E–.03 11–7 42 0-3
GII VIII 28 16 30 39.1–.00 33.10N 35.46E 1 2.3 **¶604036768**
ISCJB VIII 28 16 30 40.5–.35 33.13N–.02 35.45E–.04 5–4 2.3
GRAL VIII 28 16 30 40.5–.27 33.09N 35.41E 0–4 3.1
JSO VIII 28 16 30 46.2–4.4 33N–29 36E–15 7–7 2.6,2.6
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke.
ISC VIII 29 22 57 56.7–.96 33.34N–.03 35.46E–.05 16–9 25 0-2
ISCJB VIII 29 22 57 56.8–.53 33.35N–.03 35.44E–.05 8–8 **¶604036769**
GII VIII 29 22 57 56.2–.00 33.31N 35.46E 1–0 1.7
GRAL VIII 29 22 57 57.3–.26 33.31N 35.44E 4–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.3km az=26.0.
GII Event type ke.
GRAL Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISC VIII 30 00 38 28.3–1.0 33.33N–.03 35.43E–.05 12–9 30 0-3
GII VIII 30 00 38 27.7–.00 33.29N 35.47E 1 1.5 **¶604036770**
ISCJB VIII 30 00 38 28.3–.51 33.35N–.03 35.43E–.04 5–6 1.5
GRAL VIII 30 00 38 28.1–.27 33.28N 35.41E 3–3 2.7
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.3km az=28.1.
GRAL Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0.
ISC IX 06 10 08 12.6–2.7 37.0N–.10 39.19E–.07 4–13 13 1-2
ISK IX 06 10 08 13.4 37.03N 39.25E 10–0 2.1L **¶602077566**
ISC Event type ke.
ISK Event type ke.
ISC IX 06 11 20 03.0–1.3 36.97N–.05 38.27E–.03 3–13 19 0-2
ISCJB IX 06 11 20 02.6–.77 36.98N–.05 38.28E–.04 1–8 **¶602077567**
ISK IX 06 11 20 02.6 37.05N 38.24E 5–1 2.3L
DDA IX 06 11 20 03.5 36.97N 38.35E 7 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=177.3.
ISK Event type ke.
DDA Event type ke.
ISC IX 10 11 11 17.5–2.2 35.99N–.10 39.16E–.05 5–13 16 1-2
DDA IX 10 11 11 15.6 35.88N 39.19E 6 3.1L **¶602077692**
ISK IX 10 11 11 17.9 36.00N 39.19E 4–1 2.7L
ISC Event type ke.
DDA Event type ke.
ISK Event type ke.
GRAL IX 13 06 06 08.5–.30 33.95N 35.63E 25–2 2.7
¶606506604
GRAL Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0.
ISC IX 21 00 48 51.9–1.3 36.70N–.04 36.67E–.03 16–14 18 0-2
ISK IX 21 00 48 51.4 36.69N 36.71E 12–2 2.2L **¶602078321**

DDA IX 21 00 48 51.5 36.70N 36.64E 7 2.6L
ISCJB IX 21 00 48 52.2–.58 36.74N–.04 36.62E–.04 5–8 2.6L
ISC Event type ke.
ISK Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IX 30 08 23 00.9–1.0 35.69N–.02 35.57E–.02 17–10 57 1-4
ISCJB IX 30 08 23 03.4–.70 35.85N–.02 35.51E–.03 7–5 **¶602078832**
ISK IX 30 08 23 03.4 35.88N 35.53E 18–0 2.7L
DDA IX 30 08 23 04.2 35.80N 35.66E 34 2.9L
GII IX 30 08 23 06.1–.00 35.86N 35.65E 20 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=156.1.
ISK Event type ke.
DDA Event type ke.
GII Event type ke.
ISC X 04 08 46 44.9–2.2 37.0N–.10 39.94E–.08 10 7 1-2
¶606965090
ISC Event type ke.
ISC X 05 15 37 44.3–1.2 33.31N–.03 35.36E–.04 13–11 24 0-2
ISCJB X 05 15 37 43.7–.60 33.31N–.03 35.34E–.05 11–8 **¶604738064**
GII X 05 15 37 43.7–.00 33.29N 35.36E 3 1.5
GRAL X 05 15 37 45.5–.33 33.32N 35.39E 0–105 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.5km az=37.2.
GII Event type ke.
GRAL Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
ISC XI 03 21 55 52.1–1.2 36.31N–.05 39.12E–.05 10 27 1-4
ISCJB XI 03 21 55 51.3–.73 36.30N–.06 39.13E–.05 10 **¶602080734**
ISK XI 03 21 55 51.2 36.33N 39.13E 10–1 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.8km az=161.5.
ISK Event type ke.
ISC XI 09 14 28 58.7–1.6 36.8N–.10 38.41E–.06 7 11 0-2
DDA XI 09 14 28 55.5 36.58N 38.49E 7 2.5L **¶602081103**
ISCJB XI 09 14 28 57.2–1.9 36.7N–.10 38.47E–.09 7 2.5L
ISK XI 09 14 29 02.4 37.15N 38.20E 5–0 2.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=5.7km az=149.5.
ISK Event type ke.
ISC XI 15 08 32 41.5–.90 33.20N–.03 35.48E–.04 18–6 31 0-3
GII XI 15 08 32 41.4–.19 33.17N 35.49E 11–0 2.3 **¶604738984**
GRAL XI 15 08 32 42.2–.30 33.17N 35.54E 17–5 2.8
ISC Event type ke.
GII Event type ke.
GRAL Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
ISC XI 18 03 54 04.3–.86 33.15N–.03 35.46E–.04 17–6 44 0-20
HLW XI 18 03 54 01.1 33.88N 34.79E 10–20 3.8L **¶601909942**
ISCJB XI 18 03 54 04.5–.41 33.14N–.02 35.44E–.04 8–3 3.8L
GII XI 18 03 54 04.3–.00 33.10N 35.46E 3–0 3.1
GRAL XI 18 03 54 05.5–.25 33.12N 35.44E 0–3 3.4
JSO XI 18 03 54 11.3–4.3 33N–30 36E–14 7–6 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
GII Event type ke.
ISC XII 26 12 43 17.5–1.3 33.84N–.06 35.56E–.09 28–7 23 0-2
GII XII 26 12 43 17.2–.00 33.82N 35.51E 9 1.3 **¶604741282**
ISCJB XII 26 12 43 18.1–.99 33.83N–.05 35.53E–.09 21–5 1.3
GRAL XII 26 12 43 18.5–.30 33.82N 35.51E 23–1 2.6
ISC Event type ke.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.7km az=19.1.
GRAL Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
ISC XII 31 11 16 44.3–1.4 36.42N–.07 37.43E–.04 10 12 0-2
ISCJB XII 31 11 16 44.0–1.1 36.42N–.06 37.39E–.05 10 **¶602329647**
ISK XII 31 11 16 43.7 36.45N 37.41E 10–1 2.1L
DDA XII 31 11 16 43.1 36.38N 37.42E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.5km az=163.3.
ISK Event type ke.
DDA Event type ke.

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ISC VII 05 23 41 09.4–2.0 35.84N–.05 43.36E–.04 20–12 53 2-6
ISN VII 05 23 41 06.2–.88 35.81N 43.49E 0–5 2.9L **¶602027456**
CSEM VII 05 23 41 08.8–.27 35.74N 43.42E 2 2.9L
DDA VII 05 23 42 03.6 36.70N 43.31E 12 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=4.3km s-min=4.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=5.0km az=68.0.
ISC VII 06 16 10 50.4–1.8 35.68N–.06 43.28E–.08 6–14 27 2-4
ISN VII 06 16 10 48.5–.52 35.72N 43.38E 5–11 2.6L **¶602027476**
CSEM VII 06 16 10 51.6–.44 35.62N 43.29E 2 2.6L
DDA VII 06 16 11 02.8 36.43N 42.96E 6 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=6.1km s-min=7.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=8.4km az=67.0.
ISC VII 06 23 35 19.8–1.7 36.59N–.05 42.18E–.03 8–11 39 1-2
ISCJB VII 06 23 35 18.7–1.4 36.55N–.04 42.17E–.04 3–8 **¶601830720**
DDA VII 06 23 35 18.7 36.57N 42.17E 7 2.4L
CSEM VII 06 23 35 19.0–.21 36.55N 42.20E 2 2.1L
ISN VII 06 23 35 20.0–1.6 36.60N 42.39E 0–8 2.5L
ISK VII 06 23 35 20.9 36.64N 42.19E 12–0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.9km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=43.0.
ISN Error ellipse: s-maj=3.5km s-min=13.9km az=-1.0.
ISK Event type ke.
ISC VII 10 11 10 03.4–1.3 35.64N–.03 44.77E–.04 0–10 3.8b 81 2-67
TEH VII 10 11 10 03.4 35.47N 44.34E 10 3.8L **¶601664381**
IDC VII 10 11 10 03.2–1.0 35.52N 44.81E 0 3.9,3.8
ISN VII 10 11 10 05.0–.86 35.67N 44.79E 4–3 4.0L,3.8
CSEM VII 10 11 10 06.6–.17 35.62N 44.74E 10 4.0L,3.8
DDA VII 10 11 10 49.5 35.90N 44.46E 10 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=15.7km az=119.0.
ISN Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=47.0.
DDA Event type ke.
ISC VII 14 21 48 38.7–1.3 36.70N–.05 42.82E–.03 18–7 40 1-4
DDA VII 14 21 48 37.0 36.63N 42.77E 7 2.7L **¶601831159**
CSEM VII 14 21 48 37.8–.28 36.63N 42.80E 5 2.7L
ISN VII 14 21 48 38.8–.34 36.72N 42.83E 26 2.7L
ISK VII 14 21 48 38.8 36.73N 42.86E 20–0 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=64.0.
ISN Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISK Event type ke.
ISC VII 17 16 51 58.5–1.3 36.41N–.03 42.48E–.03 5–11 55 1-4
ISN VII 17 16 51 57.1–1.8 36.28N 42.68E 0–17 3.0L **¶601831311**
CSEM VII 17 16 51 58.7–.24 36.40N 42.52E 2 3.2L
DDA VII 17 16 51 58.4 36.48N 42.39E 7 3.2L
ISK VII 17 16 51 59.0 36.46N 42.47E 4–0 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=7.1km s-min=14.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=47.0.
ISK Event type ke.
ISC VII 19 02 51 46.4–1.5 36.65N–.05 42.85E–.03 9–11 43 1-4
ISN VII 19 02 51 43.8–1.1 36.58N 42.99E 0–9 2.9L **¶601831364**
CSEM VII 19 02 51 46.5–.23 36.63N 42.87E 2 2.9L
DDA VII 19 02 51 47.0 36.71N 42.82E 6 3.1L
ISK VII 19 02 51 48.4 36.77N 42.88E 11–0 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=6.1km s-min=7.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=39.0.
ISK Event type ke.
ISC VII 22 04 52 11.6–1.5 36.45N–.04 43.19E–.04 8–12 47 1-4
ISCJB VII 22 04 52 11.6–1.1 36.41N–.03 43.30E–.06 12–8 **¶601831508**
DDA VII 22 04 52 12.1 36.50N 43.16E 7 3.3L
ISN VII 22 04 52 12.9–1.2 36.43N 43.45E 33–11 3.4L
CSEM VII 22 04 52 13.4–.26 36.48N 43.46E 30 3.4L
ISK VII 22 04 52 13.5 36.55N 43.32E 26–0 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=4.4.
DDA Event type ke.
ISN Error ellipse: s-maj=14.3km s-min=12.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=74.0.
ISK Event type ke.
ISK VIII 04 23 18 21.1 36.77N 43.24E 5–0 2.8L
ISN VIII 04 23 18 18.9–1.0 36.63N 43.19E 8–82 2.7L **¶601888585**
ISK Event type ke.
ISN Error ellipse: s-maj=17.8km s-min=6.8km az=-1.0.
ISC IX 02 11 58 58.0–2.3 35.66N–.06 42.80E–.07 5–17 36 2-8
GII IX 02 11 58 26.6–.00 38.64N 43.62E 1–0 **¶602028985**
ISN IX 02 11 58 53.5–1.6 35.68N 42.82E 4–8 3.5L
ISK IX 02 11 58 57.5 35.78N 42.78E 5–0 4.1L
DDA IX 02 11 59 28.8 35.91N 42.76E 5 3.6L
ISC Event type ke.
GII Event type ke.
ISN Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.
ISK Event type ke.
DDA Event type ke.
ISC IX 10 07 59 04.9–2.0 36.36N–.07 41.24E–.04 0–12 33 1-4
DDA IX 10 07 58 59.9 36.06N 41.16E 7 3.5L **¶602029526**
ISN IX 10 07 59 01.1–1.1 36.77N 41.17E 0–12 3.3L
ISK IX 10 07 59 06.5 36.51N 41.23E 5–0 3.3L
ISC Event type ke.
DDA Event type ke.
ISN Error ellipse: s-maj=13.3km s-min=10.9km az=-1.0.
ISK Event type ke.
DDA X 19 00 35 10.7 36.43N 43.16E 7 2.9L
¶603001845
DDA Event type ke.
DDA X 31 22 27 40.8 35.96N 44.26E 5 3.1L
ISN X 31 22 27 34.4–.59 36.17N 44.68E 26–2 2.7L **¶602000666**
DDA Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0.
ISC XI 13 15 54 16.0–3.4 36.0N–.20 43.04E–.07 8–15 24 1-3
ISN XI 13 15 54 11.7–.63 36.77N 43.21E 27–2 2.4L **¶602081347**
ISK XI 13 15 54 19.9 36.31N 43.03E 10–0 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=5.2km s-min=3.5km az=-1.0.
ISK Event type ke.
ISC XII 16 12 47 00.0–1.7 36.82N–.05 42.79E–.05 3–18 15 0-2
ISN XII 16 12 46 59.4–.91 36.86N 42.79E 4–4 3.0L **¶602213911**
DDA XII 16 12 47 00.8 36.88N 42.77E 7 3.0L
ISCJB XII 16 12 47 01.4–1.1 36.86N–.05 42.89E–.07 10–9 3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.

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ISC VIII 19 19 30 24.4–1.2 38.16N–.02 9.14W–.04 19–3 60 0-4
MDD VIII 19 19 30 25.6–.62 38.16N 9.12W 19–6 2.1 **¶601778043**
CNRM VIII 19 19 30 25.1 38.05N 6.05W 30 2.1
SFS VIII 19 19 30 25.0 38.15N 9.09W 16 2.0L
INMG VIII 19 19 30 25.5–1.1 38.16N 9.11W 3–3 1.8L
IGIL VIII 19 19 30 25.8 38.16N 9.12W 0 1.9L
ISC Event type ke.
MDD Error ellipse: s-maj=5.7km s-min=3.5km az=78.0. PRXIMO.
SFS ATLANTICO. PORTUGAL.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=1.5km az=86.0.
ISC VIII 20 15 37 13.6–1.1 38.10N–.02 8.97W–.03 19–3 66 0-4
CNRM VIII 20 15 37 10.5 36.13N 8.38W 30 **¶601778045**
ISCJB VIII 20 15 37 13.2–.52 38.13N–.02 8.94W–.04 8–3
IGIL VIII 20 15 37 14.7 38.12N 8.96W 4 2.1L
SFS VIII 20 15 37 14.0 38.14N 8.86W 2 2.2L
MDD VIII 20 15 37 14.5–.52 38.13N 8.92W 8–3 2.3
INMG VIII 20 15 37 14.7–1.1 38.12N 8.93W 8–2 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=167.9.
SFS SINES. (PORTUGAL).
MDD Error ellipse: s-maj=4.8km s-min=3.2km az=84.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=73.0.
ISC VIII 20 18 30 57.8–.77 38.55N–.01 8.02W–.02 10–4 87 0-4
ISCJB VIII 20 18 30 56.8–.28 38.56N–.01 7.96W–.02 7–2 **¶601778046**
IASPE VIII 20 18 30 57.7–.80 38.54N–.02 8.01W–.03 9–4
INMG VIII 20 18 30 58.7–1.1 38.55N 7.99W 5–2 2.1L
IGIL VIII 20 18 30 58.3 38.55N 7.98W 4 2.0L
SFS VIII 20 18 30 58.0 38.57N 7.96W 1.9L
MDD VIII 20 18 30 58.5–.29 38.54N 8.00W 5–2 1.9
CNRM VIII 20 18 31 00.1 36.32N 7.54W 30 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=8.0.
IASPE Event type ke. Error ellipse: s-maj=4.6km s-min=2.4km az=93.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=93.0.
SFS EVORA. (PORTUGAL).
MDD Error ellipse: s-maj=3.5km s-min=2.4km az=97.0. PRXIMO.
INMG IX 22 18 21 43.0–1.2 39.34N 9.49W 0 1.0L
¶601869263
INMG Event type ke. Error ellipse: s-maj=12.4km s-min=3.6km az=98.0.
ISC IX 24 21 52 48.4–.81 37.54N–.02 8.31W–.02 22–5 277 0-13
ISCJB IX 24 21 52 48.8–.29 37.66N–.02 8.37W–.03 30–2 **¶601738950**
SFS IX 24 21 52 49.0 37.62N 8.37W 3.5L
INMG IX 24 21 52 50.3–2.0 37.63N 8.39W 7–2 3.6L,3.3
IGIL IX 24 21 52 50.3 37.60N 8.38W 11 3.5L,3.3
MDD IX 24 21 52 50.0–.22 37.61N 8.39W 14–2 3.5,3.3
LDG IX 24 21 52 50.1–.09 37.60N 8.39W 10 3.6L,3.3
CNRM IX 24 21 52 52.3 37.33N 8.39W 30 3.8L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=152.2.
SFS OURIQUE. (PORTUGAL).
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=78.0.
MDD Error ellipse: s-maj=2.4km s-min=2.1km az=133.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=32.0.
ISC IX 27 13 02 03.7–.91 37.33N–.02 7.77W–.02 18–2 83 0-5
ISCJB IX 27 13 02 02.9–.44 37.28N–.03 7.70W–.03 23–4 **¶601834339**
MDD IX 27 13 02 04.1–.33 37.32N 7.79W 21–1 2.5
CNRM IX 27 13 02 04.6 37.24N 7.77W 10 2.5
INMG IX 27 13 02 04.6–1.5 37.32N 7.78W 13–3 2.3L
IGIL IX 27 13 02 04.2 37.33N 7.75W 30 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=152.3.
MDD Error ellipse: s-maj=4.0km s-min=2.4km az=162.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=116.0.

ISC X 05 02 29 31.4–3.9 37.07N–.08 9.34W–.08 38–3 111 0-8
CNRM X 05 02 29 23.6 36.42N 8.61W 0 **¶601783860**
MDD X 05 02 29 31.7–1.1 37.03N 9.41W 38–9 2.1
SFS X 05 02 29 32.0 37.16N 9.25W 52 3.6L
INMG X 05 02 29 32.3–1.1 37.01N 9.39W 30–4 1.8L
IGIL X 05 02 29 32.0 37.03N 9.40W 27 1.8L
ISC Event type ke.
MDD Error ellipse: s-maj=10.4km s-min=7.2km az=25.0. PRXIMO.
SFS ATLANTICO. PORTUGAL.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=43.0.
ISC XII 12 16 46 58.1–1.2 37.00N–.03 8.34W–.03 45–8 168 0-8
CNRM XII 12 16 46 57.2 36.80N 8.31W 5 2.9L **¶602037016**
IGIL XII 12 16 47 00.3 37.02N 8.33W 27 3.1L
SFS XII 12 16 47 00.0 37.10N 8.30W 24 2.9L
MDD XII 12 16 47 00.1–.42 37.04N 8.35W 31–6 3.2
INMG XII 12 16 47 00.3–1.4 37.03N 8.34W 26–3 2.8L,2.7
ISC Event type ke.
SFS ALBUFERA. (PORTUGAL).
MDD Error ellipse: s-maj=5.4km s-min=3.3km az=17.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=59.0.
ISC XII 13 20 13 14.1–1.2 39.15N–.02 9.12W–.03 19–2 106 0-4
ISCJB XII 13 20 13 13.9–.55 39.17N–.02 9.16W–.07 28–4 **¶602215799**
CNRM XII 13 20 13 13.8 39.11N 6.16W 10
MDD XII 13 20 13 14.9–.31 39.15N 9.13W 18–3 2.6
IGIL XII 13 20 13 14.6 39.16N 9.32W 14 2.5L
INMG XII 13 20 13 15.1–1.4 39.16N 9.17W 17–2 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.2km az=13.0.
MDD Error ellipse: s-maj=4.3km s-min=2.4km az=125.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=101.0.

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ISC VII 14 13 44 42.8–1.1 40.33N–.02 3.80W–.01 8–9 212 0-5
CSEM VII 14 13 44 41.9–.09 40.33N 3.83W 2 2.9L **¶601273335**
MDD VII 14 13 44 43.9–.39 40.32N 3.80W 5–3 2.4
SFS VII 14 13 44 44.0 40.30N 3.82W 0 2.5L
INMG VII 14 13 44 44.1–1.6 40.33N 3.80W 4–3 2.5L
LDG VII 14 13 44 45.1–.13 40.27N 3.81W 11 2.7L
CNRM VII 14 13 44 47.9 35.60N 2.99W 30 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=152.0.
MDD Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=162.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=124.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=135.0.
ISC VII 15 11 05 54.5–1.0 40.17N–.02 3.61W–.01 6–9 270 0-6
CSEM VII 15 11 05 53.8–.08 40.17N 3.63W 2 2.8L **¶601273564**
SFS VII 15 11 05 55.0 40.16N 3.61W 0 2.6L
MDD VII 15 11 05 55.5–.26 40.17N 3.61W 0 2.5
INMG VII 15 11 05 55.6–1.5 40.17N 3.60W 5–2 2.5L
LDG VII 15 11 05 56.1–.08 40.14N 3.62W 3 2.6L
CNRM VII 15 11 05 59.3 35.88N 2.81W 20 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=145.0.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=163.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=118.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=127.0.
ISC VII 18 03 43 06.7–.92 42.87N–.03 7.21W–.04 14 40 0-54
ISCJB VII 18 03 43 05.6–.64 42.81N–.03 7.22W–.06 14 **¶601404414**
CSEM VII 18 03 43 06.6–.25 42.86N 7.24W 19–0 1.9L
MDD VII 18 03 43 07.7–.50 42.85N 7.23W 19–14 1.9
INMG VII 18 03 43 07.8–1.6 42.84N 7.19W 19–10 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=19.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=135.0.
MDD Error ellipse: s-maj=5.5km s-min=3.6km az=123.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=99.0.
CSEM VII 18 03 43 36.8–.15 42.82N 7.23W 10 3.0L
INMG VII 18 03 43 38.5–2.0 42.86N 7.22W 19–4 2.9L **¶603014555**
IGIL VII 18 03 43 38.4 42.86N 7.26W 11 2.9L
LDG VII 18 03 43 38.3–.12 42.86N 7.26W 11 3.0L
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=124.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=109.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=121.0.
ISC VIII 28 05 26 45.9–1.1 37.64N–.03 4.30W–.02 16–10 64 1-4
CNRM VIII 28 05 26 44.5 37.30N 4.17W 25 3.1L **¶601778069**
MDD VIII 28 05 26 48.1–.33 37.60N 4.29W 21–2 2.3
INMG VIII 28 05 26 48.2–1.0 37.60N 4.29W 24–3 2.1L
IGIL VIII 28 05 26 48.0 37.58N 4.30W 21 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=3.5km s-min=2.7km az=36.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=23.0.
ISC IX 09 05 12 59.1–1.1 39.42N–.02 0.72W–.02 12–9 139 0-6
ISCJB IX 09 05 12 58.2–.35 39.50N–.02 0.80W–.03 3–2 **¶601869192**
MDD IX 09 05 13 01.6–.28 39.42N 0.73W 9–2 2.3
LDG IX 09 05 13 01.6–.08 39.41N 0.70W 2 2.5L
CNRM IX 09 05 13 01.4 38.78N 0.07W 10 3.6L
SFS IX 09 05 13 01.0 39.42N 0.73W 10 2.4L
INMG IX 09 05 13 02.0–1.7 39.43N 0.74W 11–3 2.3L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.3km az=39.9.
MDD Error ellipse: s-maj=3.1km s-min=2.3km az=118.0. EMS: II INTENSIDAD MXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=127.0.
SFS TURIS. (VALENCIA).
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=115.0.
ISC IX 10 03 07 40.2–.97 37.07N–.02 5.54W–.02 9–8 114 0-5
ISCJB IX 10 03 07 39.4–.36 37.12N–.02 5.57W–.02 3–3 **¶601698221**
SFS IX 10 03 07 41.0 37.08N 5.58W 2.0L
MDD IX 10 03 07 41.8–.28 37.04N 5.53W 11–0 2.0
IGIL IX 10 03 07 41.7 37.07N 5.56W 6 2.0
INMG IX 10 03 07 42.0–1.6 37.03N 5.51W 15–3 2.0L
CNRM IX 10 03 07 43.3 36.92N 5.53W 50 2.5L
ISC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=19.0.
SFS EL CORONIL. (SEVILLA).
MDD Error ellipse: s-maj=3.0km s-min=2.3km az=15.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=170.0.
ISC IX 20 19 05 16.2–.71 37.86N–.02 3.30W–.02 10 161 0-8
CNRM IX 20 19 05 12.8 37.40N 3.14W 10 3.6L **¶601734985**
ISCJB IX 20 19 05 14.8–.25 37.93N–.02 3.47W–.02 10 3.6L
MDD IX 20 19 05 17.8–.19 37.83N 3.31W 20–2 2.8
SFS IX 20 19 05 17.0 37.82N 3.29W 2.9L
IGIL IX 20 19 05 17.3 37.83N 3.30W 20 2.2L
LDG IX 20 19 05 17.2–.08 37.83N 3.33W 10 2.6L
INMG IX 20 19 05 17.9–1.9 37.82N 3.30W 23–3 2.8L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.7km az=3.4.
MDD Error ellipse: s-maj=3.0km s-min=2.3km az=147.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS JODAR(JAEN).
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=5.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=17.0.
ISC IX 22 16 28 50.2–1.2 43.05N–.03 6.22W–.03 27–12 309 1-11
MDD IX 22 16 28 51.3–.27 42.97N 6.19W 11–0 3.2 **¶601736807**
LDG IX 22 16 28 51.5–.09 42.99N 6.27W 10 3.6L
INMG IX 22 16 28 51.1–1.6 42.97N 6.15W 12–3 3.3,3.3L
IGIL IX 22 16 28 51.4 42.92N 6.18W 0 3.3,3.3L
STR IX 22 16 28 59.3–.71 43N–20 6W–8.0 16–11 3.4,3.4

ISC Event type ke.
MDD EMS: III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke.
INMG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
MDD IX 22 18 20 39.0–.39 38.33N 1.05W 11–0 2.3
INMG IX 22 18 20 38.6–1.6 38.36N 0.97W 0 2.5L **¶601869262**
CNRM IX 22 18 20 39.8 37.79N 1.16W 5 3.2L
MDD Error ellipse: s-maj=4.2km s-min=3.1km az=126.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=118.0.
ISC X 22 00 49 45.8–1.1 37.05N–.04 4.95W–.02 7–10 46 0-4
CNRM X 22 00 49 38.6 36.69N 5.17W 30 2.7L **¶603385174**
ISCJB X 22 00 49 45.4–.45 37.09N–.04 4.96W–.02 11–3 2.7L
SFS X 22 00 49 47.0 37.09N 4.98W 10 1.7L
MDD X 22 00 49 47.7–.52 37.09N 4.97W 11–1 1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=2.8km az=179.9.
SFS LOS CORRALES. (SEVILLA).
MDD Error ellipse: s-maj=5.5km s-min=3.0km az=11.0. PRXIMO.
IDC X 23 08 03 19.4–999 38.69N 2.81W 0 ¶601999347
IDC Error ellipse: s-maj=404.1km s-min=206.0km az=78.0.
MDD X 27 10 14 36.6–.71 37.05N 4.32W 0 1.7
SFS X 27 10 14 36.0 37.03N 4.31W 6 1.7L **¶603385258**
MDD Error ellipse: s-maj=7.7km s-min=3.2km az=17.0. PRXIMO.
SFS ARCHIDONA. (MALAGA).
ISC X 27 10 19 02.7–1.0 37.21N–.02 4.29W–.02 7–9 147 0-6
ISCJB X 27 10 19 01.6–.35 37.26N–.02 4.38W–.02 0–2 **¶601852907**
CNRM X 27 10 19 02.4 37.05N 4.23W 0 3.5L
SFS X 27 10 19 03.0 37.09N 4.30W 4 2.8L
MDD X 27 10 19 03.1–.23 37.10N 4.31W 0 2.8
INMG X 27 10 19 04.8–2.1 37.08N 4.27W 24–4 2.9L
IGIL X 27 10 19 04.2 37.10N 4.31W 10 2.4L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=10.9.
SFS ARCHIDONA. (MALAGA).
MDD Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=10.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=175.0.
MDD X 27 10 48 58.3–.74 37.05N 4.34W 0 1.6
SFS X 27 10 48 58.0 37.02N 4.34W 1.6L **¶603385260**
MDD Error ellipse: s-maj=8.1km s-min=3.3km az=14.0. PRXIMO.
SFS VILLANUEVA DEL. TRABUCO (MALAGA).
MDD X 27 10 51 41.1–.92 37.07N 4.34W 0 1.4 ¶603385264
MDD Error ellipse: s-maj=9.2km s-min=4.1km az=21.0. PRXIMO.
MDD X 27 10 54 06.8–.64 37.05N 4.34W 0 1.7
SFS X 27 10 54 06.0 37.03N 4.35W 1.8L **¶603385265**
MDD Error ellipse: s-maj=7.9km s-min=3.0km az=15.0. PRXIMO.
SFS VILLANUEVA DEL. TRABUCO (MALAGA).
ISC XI 05 00 14 14.2–1.4 43.86N–.04 6.28W–.03 14–11 161 1-8
INMG XI 05 00 14 17.4–1.6 43.85N 6.28W 16–6 2.8L **¶601871351**
MDD XI 05 00 14 18.5–.55 43.83N 6.34W 21–1 2.9
LDG XI 05 00 14 18.5–.15 43.82N 6.38W 20 3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=124.0.
MDD Event type fe. Error ellipse: s-maj=7.4km s-min=3.3km az=160.0. EMS: I-II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=130.0.
ISC XI 07 13 47 19.2–.94 37.91N–.02 2.54W–.02 16–7 71 0-6
CNRM XI 07 13 47 16.2 37.81N 2.27W 5 3.6L **¶602355552**
ISCJB XI 07 13 47 17.6–.41 37.97N–.03 2.60W–.02 8–3 3.6L
MDD XI 07 13 47 19.9–.31 37.92N 2.55W 10–0 2.6
SFS XI 07 13 47 19.0 37.90N 2.50W 4 2.4L
INMG XI 07 13 47 19.7–1.4 37.95N 2.55W 5–3 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=162.4.
MDD Error ellipse: s-maj=3.2km s-min=2.2km az=142.0. PRXIMO.
SFS PUEBLA DE DON. FADRIQUE (GRANADA).
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=118.0.
ISC XI 13 19 18 24.2–1.1 41.16N–.02 1.16W–.02 12–9 258 1-10
SFS XI 13 19 18 24.0 41.11N 1.06W 11 3.2L **¶601891446**
LDG XI 13 19 18 25.2–.08 41.15N 1.07W 11 3.6L,3.2
INMG XI 13 19 18 25.2–1.7 41.12N 1.11W 16–3 3.6,3.2L
MDD XI 13 19 18 25.0–.24 41.15N 1.08W 11–0 3.2,3.2L
STR XI 13 19 18 28.4–.89 41N–3.0 1W–2.0 8–6 3.7,3.7
ISC Event type ke.
SFS NOGUERAS. (TERUEL).
LDG Event type ke.
INMG Event type ke.
MDD Event type fe. EMS: III-IV INTENSIDAD MAXIMA. PRXIMO.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC XII 02 07 31 08.8–1.1 37.29N–.03 1.98W–.02 14–9 80 0-6
INMG XII 02 07 31 09.1–1.1 37.26N 1.98W 0 2.8L **¶601995764**
SFS XII 02 07 31 09.0 37.20N 1.90W 5 2.9L
MDD XII 02 07 31 09.1–.29 37.26N 1.98W 4–3 2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=123.0.
SFS ANTAS. (ALMERIA).
MDD Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=133.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
ISC XII 02 07 31 31.3–.00 37.18N–.06 1.96W–.04 10 29 0-6
ISCJB XII 02 07 31 31.6–.61 37.28N–.06 2.05W–.04 10 **¶602732605**
IGIL XII 02 07 31 32.7 37.23N 1.95W 14
SFS XII 02 07 31 32.0 37.23N 1.95W 14 2.8L
MDD XII 02 07 31 33.1–.36 37.26N 2.01W 0 2.9
INMG XII 02 07 31 33.5–1.3 37.23N 1.97W 12–5 2.8L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.6km az=163.4.
SFS ANTAS. (ALMERIA).
MDD Event type fe. Error ellipse: s-maj=4.5km s-min=2.6km az=125.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=121.0.
ISC XII 09 19 12 43.0–1.0 38.06N–.02 3.28W–.01 11–9 211 0-8
LDG XII 09 19 12 44.7–.09 38.01N 3.28W 2 3.0L **¶602032272**
INMG XII 09 19 12 44.2–1.4 38.04N 3.30W 3–2 3.1L
SFS XII 09 19 12 44.0 38.00N 3.20W 3.2L
MDD XII 09 19 12 44.4–.21 38.04N 3.28W 4–2 3.2
IGIL XII 09 19 12 44.0 38.05N 3.28W 2 3.1L
CNRM XII 09 19 12 47.5 37.94N 3.07W 30 3.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=164.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=38.0.
SFS TORREPEROGIL. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.0km s-min=1.8km az=28.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
ISC XII 11 14 35 10.3–.99 38.08N–.02 3.28W–.02 15–9 120 0-6
ISCJB XII 11 14 35 08.0–.31 38.12N–.02 3.34W–.02 3–2 **¶607215281**
MDD XII 11 14 35 10.8–.24 38.05N 3.27W 2–3 2.9
INMG XII 11 14 35 10.7–1.4 38.07N 3.27W 0 2.8L
SFS XII 11 14 35 10.0 38.00N 3.20W 2.9L
CNRM XII 11 14 35 11.6 38.08N 3.14W 30 3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=3.6.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=47.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=83.0.
SFS TORREPEROGIL. (JAEN).
ISC XII 11 14 35 29.9–1.1 38.09N–.04 3.27W–.04 11 11 0-3
ISCJB XII 11 14 35 29.0–.63 38.01N–.05 3.34W–.06 11 **¶606769839**
SFS XII 11 14 35 30.0 38.08N 3.26W

MDD XII 11 14 35 30.1–.45 38.07N 3.27W 1–18 2.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.8km az=40.7.
SFS SABIOTE. (JAEN).
MDD Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=46.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
ISC XII 15 16 00 44.2–1.1 38.08N–.02 3.29W–.02 9–9 191 0-6
IGIL XII 15 16 00 43.9 38.06N 3.28W 2 3.3L **¶602043752**
MDD XII 15 16 00 45.0–.15 38.06N 3.28W 2–2 3.5b,3.5
SFS XII 15 16 00 44.0 38.00N 3.20W 2 3.3L,3.5
LDG XII 15 16 00 45.1–.10 38.03N 3.28W 2 3.1L,3.5
INMG XII 15 16 00 45.1–1.6 38.06N 3.28W 7–2 3.4L,3.5
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=173.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=159.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=75.0.
ISC XII 15 18 59 52.4–1.1 38.08N–.02 3.30W–.01 9–8 253 0-66
IGIL XII 15 18 59 53.7 38.03N 3.29W 3 3.6L **¶602043760**
IDC XII 15 18 59 54.2–3.4 38.11N 3.28W 22–25 3.2,3.2
MDD XII 15 18 59 54.2–.17 38.04N 3.29W 3–1 3.7,3.2
INMG XII 15 18 59 54.3–1.6 38.03N 3.29W 4–2 3.6L,3.2
SFS XII 15 18 59 54.0 38.00N 3.20W 3 3.5L,3.2
LDG XII 15 18 59 55.8–.32 38.02N 3.37W 2 3.3L,3.2
CNRM XII 15 18 59 55.1 37.84N 3.16W 6 3.7L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=19.4km az=108.0.
MDD Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=7.0. EMS: V INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=57.0.
SFS TORREPEROGIL. (JAEN).
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=3.6km az=154.0.
ISC XII 16 04 09 03.9–1.1 38.07N–.02 3.24W–.01 6–9 214 0-9
CNRM XII 16 04 09 03.9 38.06N 3.28W 30 4.1L **¶602043788**
IGIL XII 16 04 09 04.5 38.06N 3.30W 0 3.3L
INMG XII 16 04 09 05.4–1.7 38.08N 3.28W 0 3.5L
SFS XII 16 04 09 05.0 38.00N 3.30W 3.3L
LDG XII 16 04 09 05.3–.08 38.02N 3.30W 2 3.6L
MDD XII 16 04 09 05.2–.15 38.05N 3.29W 2–1 3.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=97.0.
SFS SABIOTE. (JAEN).
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=136.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=3.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
ISC XII 17 05 34 06.2–1.1 38.08N–.02 3.26W–.02 4–9 215 0-66
IGIL XII 17 05 34 06.7 38.04N 3.30W 4 3.5L **¶602043838**
IDC XII 17 05 34 06.7–1.4 38.01N 3.26W 0 3.5,3.4
MDD XII 17 05 34 07.7–.15 38.05N 3.28W 2–1 3.6,3.4
INMG XII 17 05 34 07.3–1.5 38.08N 3.31W 0 3.5L,3.4
SFS XII 17 05 34 07.0 38.00N 3.20W 4 3.3L,3.4
LDG XII 17 05 34 07.7–.07 38.01N 3.29W 2 3.8L,3.4
CNRM XII 17 05 34 17.6 37.59N 3.39W 21 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=13.1km az=76.0.
MDD Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=10.0. EMS: V INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=45.0.
SFS TORRPEROGIL. (JAEN).
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=140.0.
ISC XII 17 06 00 28.5–1.1 38.08N–.02 3.29W–.02 10–9 167 0-6
IGIL XII 17 06 00 29.7 38.06N 3.29W 4 2.9L **¶602043839**
ISCJB XII 17 06 00 29.9–.58 38.08N–.03 3.29W–.02 22–6 2.9L
SFS XII 17 06 00 30.0 38.00N 3.20W 4 2.9L
LDG XII 17 06 00 30.0–.06 38.04N 3.29W 2 3.2L
INMG XII 17 06 00 30.2–1.7 38.07N 3.29W 5–3 3.1L
MDD XII 17 06 00 30.1–.17 38.06N 3.29W 3–1 3.2
CNRM XII 17 06 00 31.2 37.99N 3.18W 16 3.8L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=171.9.
SFS SABIOTE. (JAEN).
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=149.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=66.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=8.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
ISC XII 17 08 11 38.6–1.0 38.06N–.02 3.30W–.02 9–9 91 0-5
MDD XII 17 08 11 39.5–.23 38.06N 3.29W 3–1 3.1 **¶602043843**
IGIL XII 17 08 11 39.3 37.99N 3.29W 5 3.0L
INMG XII 17 08 11 39.7–1.5 38.05N 3.28W 8–3 3.0L
SFS XII 17 08 11 39.0 38.05N 3.29W 2.9L
CNRM XII 17 08 11 40.6 37.78N 3.06W 0 3.7L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=13.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=40.0.
SFS SABIOTE. (JAEN).
ISC XII 17 13 34 56.9–1.0 38.11N–.02 3.27W–.01 10–9 155 0-6
IGIL XII 17 13 34 56.4 38.06N 3.29W 4 2.9L **¶602046721**
INMG XII 17 13 34 57.6–1.5 38.06N 3.28W 5–2 3.0L
MDD XII 17 13 34 57.4–.17 38.06N 3.30W 4–1 2.9
SFS XII 17 13 34 57.0 38.00N 3.20W 2.9L
CNRM XII 17 13 34 58.4 37.80N 3.06W 0 3.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=91.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=25.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
ISC XII 17 19 26 12.5–.71 38.05N–.02 3.24W–.02 13 124 0-6
ISCJB XII 17 19 26 10.8–.26 38.14N–.02 3.35W–.02 13 **¶602215809**
CNRM XII 17 19 26 12.3 37.98N 3.29W 0 3.5L
IGIL XII 17 19 26 12.6 38.06N 3.29W 0 2.9L
LDG XII 17 19 26 13.5–.11 38.02N 3.28W 2 2.6L
MDD XII 17 19 26 13.5–.21 38.05N 3.28W 3–1 2.8
SFS XII 17 19 26 13.0 38.06N 3.27W 2.4L
INMG XII 17 19 26 13.6–1.6 38.07N 3.27W 3–3 2.8L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=7.2.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=142.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=2.0km az=18.0. EMS: III-IV INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=70.0.
ISC XII 17 20 38 56.3–.72 38.05N–.02 3.28W–.02 11 122 0-6
ISCJB XII 17 20 38 54.7–.26 38.15N–.02 3.34W–.02 11 **¶602046732**
IGIL XII 17 20 38 56.6 38.09N 3.28W 2 2.7L
INMG XII 17 20 38 57.5–1.4 38.07N 3.28W 5–2 2.8L
LDG XII 17 20 38 57.5–.15 38.04N 3.28W 2 2.7L
MDD XII 17 20 38 57.7–.21 38.07N 3.28W 4–1 2.8
SFS XII 17 20 38 57.0 38.09N 3.27W 2.5L
CNRM XII 17 20 38 57.5 38.03N 3.32W 0 3.5L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=179.7.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=106.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=133.0.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=18.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
ISC XII 17 23 33 06.2–1.0 38.06N–.02 3.29W–.02 9–9 117 0-5
CNRM XII 17 23 33 05.4 38.00N 3.31W 0 3.5L **¶602732617**
MDD XII 17 23 33 06.9–.20 38.07N 3.29W 2–2 2.8
SFS XII 17 23 33 06.0 38.08N 3.28W 2.8L
INMG XII 17 23 33 06.9–1.4 38.08N 3.28W 3–2 2.7L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=171.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=67.0.
ISC XII 17 23 36 15.8–1.0 38.09N–.02 3.27W–.02 12–9 126 0-6
CNRM XII 17 23 36 13.7 37.68N 3.17W 30 3.7L **¶602046735**
SFS XII 17 23 36 17.0 38.06N 3.29W 2.9L
MDD XII 17 23 36 17.0–.18 38.06N 3.29W 2–2 2.9
LDG XII 17 23 36 17.0–.08 38.04N 3.29W 2 2.8L
INMG XII 17 23 36 17.0–1.4 38.09N 3.29W 0 2.9L
ISC Event type ke.
SFS SABIOTE. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=14.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=130.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=56.0.
ISC XII 17 23 47 03.9–.71 38.05N–.02 3.26W–.02 11 134 0-6
ISCJB XII 17 23 47 02.4–.26 38.11N–.02 3.40W–.02 11 **¶604069830**
IGIL XII 17 23 47 03.9 38.06N 3.27W 0 2.8L
LDG XII 17 23 47 04.3–.10 38.02N 3.28W 2 2.8L
INMG XII 17 23 47 04.1–1.4 38.07N 3.28W 0 2.9L
SFS XII 17 23 47 04.0 38.05N 3.27W 2.9L
MDD XII 17 23 47 04.3–.18 38.05N 3.27W 1–1 3.0
CNRM XII 17 23 47 05.7 37.78N 3.20W 0 3.7L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=2.6.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=112.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=74.0.
SFS TORREPEROGIL. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=18.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
ISC XII 18 02 44 58.2–1.1 38.08N–.02 3.25W–.01 12–9 166 0-6
CNRM XII 18 02 44 56.1 37.53N 3.00W 30 3.5L **¶602046743**
IGIL XII 18 02 44 59.8 38.08N 3.28W 1 2.6L
INMG XII 18 02 45 00.6–1.6 38.09N 3.27W 3–2 2.8L
SFS XII 18 02 45 00.0 38.08N 2.78W 2.6L
MDD XII 18 02 45 00.6–.20 38.07N 3.28W 2–2 2.8
LDG XII 18 02 45 00.5–.10 38.08N 3.26W 2 2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=54.0.
SFS SABIOTE. (JAEN).
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=2.0km az=163.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=149.0.
ISC XII 18 03 20 38.6–.72 38.10N–.02 3.28W–.02 11 146 0-6
ISCJB XII 18 03 20 37.5–.24 38.18N–.02 3.35W–.02 11 **¶602047008**
IGIL XII 18 03 20 38.6 38.07N 3.28W 0 2.8L
LDG XII 18 03 20 39.9–.06 38.06N 3.28W 2 2.8L
SFS XII 18 03 20 39.0 38.07N 3.27W 2.7L
INMG XII 18 03 20 40.1–1.4 38.08N 3.27W 0 2.9L
MDD XII 18 03 20 40.0–.20 38.06N 3.27W 2–2 2.9
CNRM XII 18 03 20 41.5 37.95N 3.07W 30 3.5L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=8.4.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=126.0.
SFS SABIOTE. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=54.0.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=5.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
ISC XII 18 03 45 21.9–.78 38.04N–.03 3.29W–.02 11 63 0-5
CNRM XII 18 03 45 18.3 37.38N 2.96W 30 3.3L **¶602732618**
ISCJB XII 18 03 45 19.8–.36 38.11N–.03 3.36W–.03 11 3.3L
INMG XII 18 03 45 21.8–1.2 38.07N 3.28W 0 2.4L
MDD XII 18 03 45 21.6–.24 38.05N 3.29W 2–1 2.3
SFS XII 18 03 45 21.0 38.06N 3.27W 2.3L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=18.4.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=67.0.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=31.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
ISC XII 18 03 45 29.3–1.1 38.04N–.04 3.33W–.05 11 12 0-2
ISCJB XII 18 03 45 27.2–.68 38.09N–.05 3.23W–.06 11 **¶604069850**
MDD XII 18 03 45 29.0–.38 38.07N 3.27W 0 2.4
SFS XII 18 03 45 29.0 38.07N 3.26W 2.4L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=7.1km az=14.2.
MDD Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=141.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS SABIOTE. (JAEN).
ISC XII 19 16 24 02.0–1.1 38.03N–.02 3.29W–.02 17–9 64 0-4
MDD XII 19 16 24 02.4–.16 38.04N 3.28W 3–1 2.8 **¶607215288**
SFS XII 19 16 24 02.0 38.03N 3.27W 4 2.5L
ISC Event type fe.
MDD Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=50.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
ISC XII 19 16 24 38.5–.81 38.08N–.03 3.28W–.02 11 33 0-4
ISCJB XII 19 16 24 36.7–.41 38.09N–.03 3.36W–.03 11 **¶607215287**
MDD XII 19 16 24 39.0–.11 38.05N 3.26W 0 3.0
SFS XII 19 16 24 38.0 38.04N 3.27W 1 2.6L
CNRM XII 19 16 24 44.1 37.87N 2.91W 10 3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.8km az=24.9.
MDD Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=139.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
ISC XII 19 16 24 53.1–.86 38.09N–.04 3.24W–.04 13 17 0-6
ISCJB XII 19 16 24 51.9–.58 38.19N–.04 3.21W–.06 13 **¶606770172**
SFS XII 19 16 24 53.0 38.04N 3.26W 1 2.6L
LDG XII 19 16 24 53.5–.17 38.05N 3.29W 2 2.8L
MDD XII 19 16 24 53.1–.12 38.05N 3.26W 0 2.9
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.7km az=32.0.
SFS TORREPEROGIL. (JAEN).
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=179.0.
MDD Event type fe. Error ellipse: s-maj=1.7km s-min=1.0km az=139.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
ISC XII 20 13 49 22.2–1.0 38.03N–.05 3.26W–.04 11 14 0-4
ISCJB XII 20 13 49 19.9–.67 38.09N–.05 3.36W–.04 11 **¶607298455**
MDD XII 20 13 49 22.3–.11 38.05N 3.26W 0 2.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.3km az=10.9.
MDD Error ellipse: s-maj=1.3km s-min=1.0km az=148.0. PRXIMO.
ISC XII 20 13 49 32.3–1.1 38.09N–.02 3.23W–.02 8–9 106 0-7
IGIL XII 20 13 49 26.5 38.02N 3.22W 1 3.3L **¶602052921**
INMG XII 20 13 49 32.9–1.5 38.04N 3.28W 0 3.3L
LDG XII 20 13 49 32.6–.10 38.04N 3.28W 3 3.2L
MDD XII 20 13 49 32.6–.22 38.04N 3.28W 3–1 3.2
SFS XII 20 13 49 33.0 38.00N 3.20W 3.0L
CNRM XII 20 13 49 35.1 37.93N 3.11W 3 3.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=100.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=130.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=2.1km az=20.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
ISC XII 20 13 53 51.4–1.1 38.02N–.02 3.29W–.02 10–10 97 0-6

IGIL XII 20 13 53 51.1 38.03N 3.26W 0 2.7L **¶602052923**
SFS XII 20 13 53 52.0 38.02N 3.26W 2.9L
MDD XII 20 13 53 52.6–.15 38.03N 3.27W 3–1 2.9
INMG XII 20 13 53 52.8–1.5 38.02N 3.28W 0 2.9L
CNRM XII 20 13 53 56.3 37.86N 3.02W 5 3.5L
ISC Event type ke.
SFS TORREPEROGIL. (JAEN).
MDD Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=56.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=78.0.
ISC XII 23 15 17 49.9–1.1 38.05N–.02 3.27W–.02 11–10 87 0-5
ISCJB XII 23 15 17 48.6–.33 38.12N–.02 3.37W–.02 0–2 **¶602056622**
MDD XII 23 15 17 51.5–.16 38.04N 3.28W 4–1 2.5
SFS XII 23 15 17 51.0 38.04N 3.29W 4 2.5L
CNRM XII 23 15 17 52.2 37.99N 3.16W 30 3.1L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=2.6.
MDD Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=56.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
MDD XII 23 19 23 52.8–.17 38.04N 3.29W 2–1 1.8
¶604070165
MDD Error ellipse: s-maj=1.8km s-min=1.2km az=49.0. PRXIMO.
MDD XII 23 19 29 59.5–.11 38.05N 3.27W 0 1.6
¶607298453
MDD Error ellipse: s-maj=1.2km s-min=0.9km az=118.0. PRXIMO.
ISC XII 23 19 30 33.1–1.0 38.07N–.02 3.28W–.02 11–9 85 0-5
MDD XII 23 19 30 33.3–.17 38.04N 3.28W 2–1 2.6 **¶602056892**
SFS XII 23 19 30 33.0 38.05N 3.29W 2.6L
CNRM XII 23 19 30 36.6 37.81N 2.99W 4 3.2L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=59.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
ISC XII 29 06 50 53.8–1.0 38.06N–.02 3.26W–.02 15–9 134 0-10
IGIL XII 29 06 50 53.4 38.04N 3.27W 2 2.8L **¶602062471**
MDD XII 29 06 50 55.0–.13 38.04N 3.27W 2–1 2.9
SFS XII 29 06 50 54.0 38.03N 3.26W 3.0L
INMG XII 29 06 50 55.2–1.4 38.04N 3.29W 0 2.9L
LDG XII 29 06 50 55.1–.13 38.04N 3.30W 2 2.9L
CNRM XII 29 06 50 59.3 38.01N 2.93W 34 3.5L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=31.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=45.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=146.0.
MDD XII 29 06 52 36.9–.31 38.04N 3.27W 2–2 1.8
¶607215294
MDD Error ellipse: s-maj=2.8km s-min=1.5km az=31.0. PRXIMO.
ISC XII 29 06 53 18.3–.99 38.01N–.02 3.27W–.02 15–8 94 0-5
MDD XII 29 06 53 18.4–.15 38.04N 3.27W 2–1 2.8 **¶602062472**
SFS XII 29 06 53 18.0 38.03N 3.30W 2.8L
INMG XII 29 06 53 18.6–1.4 38.06N 3.29W 0 2.9L
CNRM XII 29 06 53 24.2 37.86N 3.07W 22 3.6L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=39.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=52.0.
ISC XII 29 06 54 54.6–1.0 38.09N–.02 3.26W–.02 13–9 104 0-10
MDD XII 29 06 54 55.9–.15 38.04N 3.27W 2–1 3.1 **¶602779055**
LDG XII 29 06 54 56.0–.10 38.03N 3.29W 2 2.9L
SFS XII 29 06 54 56.0 38.04N 3.26W 3.0L
CNRM XII 29 06 54 58.2 37.90N 3.12W 8 3.5L
ISC Event type ke.
MDD Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=42.0. EMS: II-III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=130.0.
SFS TORREPEROGIL. (JAEN).
ISC XII 29 06 57 25.8–1.1 38.09N–.02 3.28W–.01 6–9 197 0-8
ISCJB XII 29 06 57 24.1–.28 38.19N–.01 3.36W–.01 1–2 **¶602062473**
IGIL XII 29 06 57 26.0 38.05N 3.28W 2 3.3L
MDD XII 29 06 57 27.2–.12 38.05N 3.28W 2–1 3.4
SFS XII 29 06 57 27.0 38.04N 3.28W 3.4L
INMG XII 29 06 57 27.1–1.5 38.08N 3.27W 0 3.5L
LDG XII 29 06 57 27.5–.10 38.03N 3.31W 2 3.2L
CNRM XII 29 06 57 30.7 37.88N 3.06W 10 3.8L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=176.6.
MDD Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=49.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
SFS TORREPEROGIL. (JAEN).
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=91.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=145.0.

(378) Pyrenees.

ISC X 13 04 33 43.7–.32 43.09N–.01 0.189W–.01 15–1 445 0-11
ISCJB X 13 04 33 41.4–.22 43.185N–.01 0.26W–.01 7–1 **¶601830341**
STR X 13 04 33 44.3–.18 43N–2.0 0W–1.0 5 4.2b,3.9
MDD X 13 04 33 44.7–.22 43.08N 0.19W 1–2 3.2,3.9
MRB X 13 04 33 44.5–.50 43.04N 0.19W 5–2 3.2L,3.9
LDG X 13 04 33 45.0–.05 43.06N 0.14W 3 3.9L,3.6
INMG X 13 04 33 45.8–1.5 42.96N 0.29W 0 3.0L,3.6
IGIL X 13 04 33 45.2 43.04N 0.21W 2 2.6L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=155.3.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup. preliminary.
MDD Error ellipse: s-maj=2.2km s-min=1.5km az=178.0. PRXIMO.
MRB Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=198.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=132.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=36.0.
ISC XI 27 18 04 31.0–.93 43.13N–.03 0.45W–.02 12–8 68 0-3
ISCJB XI 27 18 04 30.0–.37 43.17N–.02 0.45W–.03 8–4 **¶601994864**
STR XI 27 18 04 31.9–.27 43N–3.0 0W–1.0 5 2.7,2.7
MDD XI 27 18 04 31.8–.24 43.10N 0.47W 8–5 1.9,2.7
LDG XI 27 18 04 31.7–.04 43.10N 0.47W 2 2.3,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=166.4.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup. preliminary.
MDD Error ellipse: s-maj=3.8km s-min=2.3km az=17.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=170.0.
ISC XI 27 18 05 25.9–.82 43.16N–.02 0.46W–.01 17–6 254 0-7
ISCJB XI 27 18 05 23.7–.31 43.18N–.01 0.54W–.02 14–2 **¶602778755**
MDD XI 27 18 05 26.8–.21 43.12N 0.46W 4–2 2.8
STR XI 27 18 05 27.2–.20 43N–2.0 0.5W–1.0 5 3.0,3.0
LDG XI 27 18 05 27.1–.05 43.13N 0.45W 2 3.3L,3.2
INMG XI 27 18 05 27.6–1.1 43.06N 0.48W 4–1 2.4L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=23.5.
MDD Error ellipse: s-maj=2.6km s-min=1.8km az=175.0. PRXIMO.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=137.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=16.0.
ISC XII 04 01 12 14.8–.75 42.84N–.01 2.17E–.01 15–4 252 0-7
MRB XII 04 01 12 15.9–.50 42.80N 2.12E 7–3 2.4L **¶601996017**
MDD XII 04 01 12 16.2–.19 42.81N 2.13E 6–2 2.6
STR XII 04 01 12 16.2–.30 43N–2.0 2E–2.0 6–2 4.4b,3.7
LDG XII 04 01 12 16.2–.06 42.80N 2.14E 5 3.3L,3.1
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=252.0.
MDD Error ellipse: s-maj=2.0km s-min=1.7km az=101.0. PRXIMO.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=121.0.
ISC XII 17 22 50 48.4–.61 43.17N–.01 0.21W–.01 11 480 0-9
ISCJB XII 17 22 50 47.4–.13 43.288N–.01 0.23W–.01 11 **¶602046733**
LDG XII 17 22 50 50.5–.05 43.11N 0.21W 10 3.4,3.4L
MDD XII 17 22 50 50.6–.19 43.15N 0.19W 9–1 3.5,3.4L
MRB XII 17 22 50 50.8–.50 43.09N 0.22W 12–2 3.3L,3.4L
STR XII 17 22 50 51.2–.20 43N–2.0 0.2W–1.0 2 3.2,3.2
INMG XII 17 22 50 51.6–1.4 43.02N 0.27W 0 2.8L,3.2
SFS XII 17 22 50 51.0 43.02N 0.24W 3.5L,3.2
IGIL XII 17 22 50 52.8 43.03N 0.25W 0 3.5L,3.2
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=138.4.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=123.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=170.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
MRB Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=200.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=22.0.
SFS LARUNS. (FRANCIA).
ISC XII 30 23 35 00.2–.23 43.144N–.01 0.224W–.01 15–1 3.7b 774 0-130
IDC XII 30 23 34 59.6–.98 43.00N 0.21W 0 4.0L,3.8 **¶602065121**
ISCJB XII 30 23 35 00.5–.20 43.10N–.01 0.29W–.01 26–1 3.7b,3.7s
MRB XII 30 23 35 01.2–.50 43.07N 0.22W 7–4 4.3L,3.7s
INMG XII 30 23 35 01.8–1.9 43.07N 0.22W 2–2 4.0L,3.7s
LDG XII 30 23 35 01.7–.05 43.09N 0.20W 2 4.7L,4.5
STR XII 30 23 35 01.6–.22 43N–2.0 0W–1.0 5 4.7b,4.5
SFS XII 30 23 35 01.0 43.04N 0.21W 4.1L,4.5
MDD XII 30 23 35 01.5–.20 43.09N 0.21W 2–2 4.2,4.5
NEIC XII 30 23 35 02.6–.00 43.18N 0.23W 2 4.8L,4.5
IGIL XII 30 23 35 03.0 43.05N 0.22W 2 3.7L,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=24.0km s-min=13.0km az=128.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=157.3.
MRB Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=190.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=145.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=133.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
SFS NAY(FRANCIA).
MDD Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=174.0. EMS: IV INTENSIDAD MAXIMA-ESPAA. PRXIMO.
NEIC Event type fe. Felt at Argeles-Gazost, Asson, Lourdes and Pau, France and at Sallent de Gallego, Spain. After LDG.
ISC XII 31 03 24 03.7–.80 43.13N–.01 0.20W–.01 13–5 378 0-8
ISCJB XII 31 03 24 02.8–.20 43.202N–.01 0.24W–.01 11–1 **¶602065128**
STR XII 31 03 24 05.7–.22 43N–2.0 0W–1.0 2 2.9,2.9
LDG XII 31 03 24 05.1–.04 43.07N 0.22W 3 3.6L,3.5
MDD XII 31 03 24 05.4–.22 43.09N 0.19W 0 3.1,3.5
MRB XII 31 03 24 05.0–.50 43.07N 0.22W 5–3 3.1L,3.5
INMG XII 31 03 24 06.7–1.4 43.01N 0.21W 5–2 2.8L,3.5
SFS XII 31 03 24 06.0 43.02N 0.20W 3.0L,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=159.9.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=86.0.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=177.0. EMS: II INTENSIDAD MAXIMA-ESPAA. PRXIMO.
MRB Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=187.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=12.0.
SFS LARUNS. (FRANCIA).

(379) Near south coast of France.

ISC VII 07 03 27 51.7–.79 43.96N–.02 7.51E–.02 14–5 144 0-6
ISCJB VII 07 03 27 52.5–.28 43.93N–.02 7.48E–.03 16–3 **¶601263725**
GEN VII 07 03 27 52.6 43.97N 7.43E 2 2.0L
IASPE VII 07 03 27 52.1–.81 43.97N–.02 7.50E–.02 12–5 2.0L
CSEM VII 07 03 27 52.4–.15 44.00N 7.46E 10 2.8L
ROM VII 07 03 27 52.4–.17 44.00N–.01 7.48E–.01 6–1 2.2L
LDG VII 07 03 27 52.9–.05 43.98N 7.45E 2 3.0,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=1.3.
IASPE Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=119.8. GT5 selection from ISC bulletin. GT5 identified by Bond¨¡r and McLaughlin (2009) selection criteria. Bond¨¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=88.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=46.0.
ISC VII 16 02 34 14.9–.87 43.90N–.02 7.79E–.02 18–3 172 0-5
GEN VII 16 02 34 15.9 43.89N 7.76E 6 2.2L **¶601276379**
CSEM VII 16 02 34 15.8–.21 43.94N 7.72E 5 2.7L
ISCJB VII 16 02 34 15.5–.37 43.89N–.03 7.78E–.03 18–3 2.7L
ROM VII 16 02 34 15.4–.12 43.942N–.01 7.742E–.01 3–1 2.3L
LDG VII 16 02 34 16.1–.10 43.88N 7.77E 6 2.8,2.7L
STR VII 16 02 34 17.4–1.0 44N–3.0 8E–7.0 5 2.7,2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
ISC IX 06 09 13 25.7–.81 44.00N–.02 7.53E–.02 11–5 55 0-2
IASPE IX 06 09 13 25.8–.86 44.00N–.02 7.53E–.03 11–6 **¶602778036**
ISCJB IX 06 09 13 25.7–.34 44.00N–.02 7.48E–.03 11–3
ROM IX 06 09 13 25.7–.27 44.00N–.02 7.50E–.03 6–1 1.7L
GEN IX 06 09 13 26.3 44.00N 7.50E 2–0 1.3L
LDG IX 06 09 13 26.5–.08 43.99N 7.53E 2 2.5L,2.3
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=58.9. GT5 selection from ISC bulletin. GT5 identified by Bond¨¡r and McLaughlin (2009) selection criteria. Bond¨¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=142.9.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=56.0.
ISC IX 19 18 55 59.8–.80 43.88N–.02 5.80E–.01 15–5 231 0-8
ROM IX 19 18 55 59.9–.21 43.762N–.01 5.79E–.01 14–1 3.3L **¶601732955**
LDG IX 19 18 56 00.5–.04 43.88N 5.85E 2 3.4,3.4L
STR IX 19 18 56 01.4–.19 44N–1.0 5.9E–.80 5–2 3.6,3.6
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
ISC IX 19 19 59 43.0–.93 43.85N–.03 5.85E–.03 8–7 44 0-3
ISCJB IX 19 19 59 43.0–.60 43.79N–.04 5.73E–.04 20–4 **¶601731972**
LDG IX 19 19 59 43.7–.09 43.86N 5.85E 2 2.1L,1.9
STR IX 19 19 59 44.4–.27 44N–2.0 6E–1.0 5 2.6,2.6
ISC Event type ke.
ISCJB Event type ke.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.

(380) Corsica.

ISC VII 23 13 09 15.6–1.4 43.97N–.03 8.43E–.04 14–10 69 0-5
ISCJB VII 23 13 09 16.3–.77 43.99N–.04 8.38E–.05 13–3 **¶601459528**
CSEM VII 23 13 09 16.5–.22 44.01N 8.43E 15 2.6L

GEN VII 23 13 09 17.3 44.03N 8.44E 2 1.9L
ROM VII 23 13 09 17.2–.28 44.04N–.01 8.39E–.01 7–0 2.2L
LDG VII 23 13 09 17.0–.12 44.00N 8.45E 4 2.6L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=71.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=1.0.

(381) Central Italy.

ROM VII 06 03 08 29.6–.10 43.162N–.00 12.992E–.00 23–0 0.9L
¶605597702
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VII 24 20 21 08.6–.12 42.825N–.00 12.94E–.01 11–0 1.2L
¶605598463
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 01 20 45 52.6–.09 43.599N–.01 12.484E–.01 9–1 1.1
¶606361084
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 04 02 12 46.8–.06 43.612N–.01 12.141E–.01 10–0 0.4L
¶606361186
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 05 20 39 46.0–.05 42.733N–.00 13.093E–.01 11–0 1.2L
¶606361250
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 08 00 44 37.3–.16 42.766N–.01 13.10E–.02 9–1 1.1L
¶606361332
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 15 00 06 15.2–.07 42.905N–.00 12.996E–.01 10–0 1.2L
¶606361599
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 17 23 05 44.5–.30 43.049N–.01 13.021E–.01 8–1 1.1,0.3L
¶606361740
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 29 19 14 50.7–.18 42.217N–.01 13.594E–.01 5–2 1.2L
¶606362438
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 31 22 30 18.4–.84 43.67N–.02 11.92E–.02 16–6 117 0-7
STR VIII 31 22 30 15.1–6.0 43N–31 12E–44 5 5.5b,5.2b **¶601668318**
ROM VIII 31 22 30 18.3–.06 43.710N–.00 11.961E–.01 9–0 3.0L,5.2b
ISCJB VIII 31 22 30 18.4–.20 43.69N–.02 11.93E–.02 21–2 3.0L,5.2b
PRU VIII 31 22 30 19.4–.00 43.74N 12.19E 0 3.0L,5.2b
LDG VIII 31 22 30 19.2–.18 43.72N 12.00E 2 3.3L,5.2b
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=15.0.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=2.9km az=36.0.
ROM IX 01 05 19 27.5–.26 43.75N–.01 12.33E–.02 10–0 0.9L
¶606390002
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 03 18 51 36.1–.06 43.017N–.00 13.075E–.00 11–0 1.3L
¶606390187
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 05 17 06 10.3–.80 43.70N–.02 11.83E–.02 16–5 109 0-8
ISCJB IX 05 17 06 10.0–.20 43.74N–.02 11.84E–.02 22–2 **¶601675884**
ROM IX 05 17 06 10.4–.07 43.740N–.00 11.919E–.01 9–0 2.8L
LDG IX 05 17 06 10.6–.10 43.73N 11.92E 2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=18.1.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=36.0.
ROM IX 23 06 41 06.7–.06 43.086N–.00 12.911E–.01 16–0 1.4L
¶606391241
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 27 17 22 25.0–1.5 42.89N–.03 14.94E–.03 16–13 47 1-4
ROM IX 27 17 22 22.8–.42 42.99N–.02 15.14E–.03 17–4 2.7L **¶601751153**
ISCJB IX 27 17 22 24.3–.71 42.86N–.04 14.95E–.05 16–9 2.7L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
ROM X 02 03 50 49.1–.11 43.791N–.01 12.119E–.01 10–0 1.5L
¶606391775
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 12 00 43 15.0–.14 43.009N–.01 12.814E–.01 9–0 1.1L
¶606392330
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 30 01 52 32.4–.96 42.41N–.02 13.25E–.02 6–7 198 0-48
LDG X 30 01 52 30.2–.09 42.40N 13.22E 2 3.1L **¶601859265**
ROM X 30 01 52 31.1–.08 42.396N–.00 13.273E–.01 11–0 3.6L,2.1
ISCJB X 30 01 52 31.3–.23 42.41N–.01 13.24E–.02 11–1 3.1b,2.1
PDG X 30 01 52 31.7–.49 42.40N 13.24E 9–0 3.7L,2.1
IDC X 30 01 52 32.7–1.2 42.60N 13.10E 0 3.7,3.5L
PRU X 30 01 52 32.1–.00 42.36N 13.52E 7 3.7,3.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=46.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=39.9.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=21.9km s-min=13.2km az=96.0.
ROM XI 15 09 18 15.8–.08 42.707N–.00 13.165E–.01 17–0 1.7L
¶607289516
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 15 09 18 36.5–.10 42.704N–.00 13.162E–.01 16–0 2.0L
¶601901947
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 15 16 03 01.2–.08 42.417N–.00 13.050E–.01 11–0 1.7L
¶606768756
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 25 02 43 56.2–.93 43.86N–.02 13.35E–.02 18–3 227 0-8
LDG XI 25 02 43 54.9–.08 43.86N 13.48E 2 3.1L **¶601994287**
ROM XI 25 02 43 55.6–.20 43.873N–.01 13.40E–.01 9–1 3.1L
BGR XI 25 02 43 56.4–.81 43.75N 13.54E 10 3.5L
ISCJB XI 25 02 43 56.4–.22 43.86N–.01 13.33E–.02 26–2 3.5L
BEO XI 25 02 43 56.7–1.0 43.77N 13.28E 10 3.1L
PRU XI 25 02 43 59.2–.00 44.13N 13.47E 0 3.1L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=73.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BGR Event type ke. Error ellipse: s-maj=16.7km s-min=12.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=14.0.
BEO Event type ke.
ISC XI 30 02 47 18.6–.87 44.00N–.02 11.68E–.03 17–6 66 0-48
IDC XI 30 02 47 16.7–1.6 43.94N 12.34E 0 3.4b,3.3 **¶601995344**
ISCJB XI 30 02 47 19.3–.27 44.00N–.02 11.70E–.03 25–3 3.3b,3.3
ROM XI 30 02 47 19.0–.15 44.008N–.01 11.72E–.01 7–1 3.1L,3.3
VIE XI 30 02 47 20.5–.90 44.02N 11.99E 8 3.1L,2.8b
LDG XI 30 02 47 20.2–.12 43.99N 11.64E 7 3.2L,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=15.5km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=164.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=7.8km s-min=5.8km az=150.0. 40 km WNW of San Marino .
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=1.8km az=42.0.
ROM XII 01 08 11 00.7–.10 43.38N–.01 12.76E–.03 10–0 1.2
¶606769578
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 01 22 12 41.7–.06 42.784N–.00 12.941E–.01 10–0 1.0L
¶606769602
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 05 01 18 21.1–.80 42.92N–.02 13.59E–.02 18–2 4.0b,3.3s 427 0-74
PRU XII 05 01 17 59.2–.00 40.89N 14.15E 126 4.0b,3.3s **¶606860096**
BEO XII 05 01 18 16.5–.60 42.59N 13.41E 10 4.3L,3.3s
IDC XII 05 01 18 18.3–.78 42.93N 13.42E 0 3.9,3.8b
PDG XII 05 01 18 19.9–.99 42.98N 13.70E 15–1 4.0L,3.8b
NEIC XII 05 01 18 19.7–.00 42.99N 13.71E 12 4.0L,3.8b
ROM XII 05 01 18 20.3–.09 42.915N–.00 13.662E–.01 18–1 4.0L,3.8b
ISCJB XII 05 01 18 20.2–.16 42.93N–.01 13.65E–.01 30–1 3.9b,3.4s
LDG XII 05 01 18 21.7–.22 42.88N 13.64E 10 3.6L,3.4s
STR XII 05 01 18 22.2–1.9 43N–14 14E–11 2 5.5b,5.0
ISC Event type fe.
PRU Double Event?.
BEO Event type ke.
PDG Event type ke.
NEIC Event type fe. Felt [IV] in the Ascoli Piceno-San Benedetto del Tronto area and [III] at Teramo. Felt in much of Abruzzo, Marche and Umbria. After ROM.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type fe.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/ldg_taup-2.11. preliminary.
ROM XII 14 19 17 00.8–.04 42.564N–.00 13.328E–.00 10–0 2.1L
¶602043586
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 14 19 17 39.3–.13 42.58N–.01 13.343E–.01 11–0 1.1
¶607298458
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 28 10 53 27.8–.16 42.839N–.01 12.530E–.01 9–1 1.5L
¶606770469
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 31 03 12 24.9–.23 43.77N–.01 13.297E–.01 10–0 1.6L
¶606770557
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

(382) Adriatic Sea.

ISC IX 05 05 17 43.1–.83 42.88N–.02 17.68E–.02 3–4 136 0-6
TIR IX 05 05 17 39.8 43.26N 17.62E 7 3.8 **¶606542105**
SAR IX 05 05 17 43.1–.34 42.88N 17.69E 3–2 2.9L
BEO IX 05 05 17 43.7–.50 42.88N 17.67E 0–2 2.9L
PDG IX 05 05 17 43.2–.27 42.86N 17.72E 3–0 2.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ISC IX 13 21 32 24.3–1.5 43.99N–.05 15.19E–.05 4–11 42 1-5
VIE IX 13 21 32 21.5–3.2 43.79N 15.71E 4–13 2.5L,2.4b **¶601719632**
PRU IX 13 21 32 26.1–.00 44.02N 14.80E 3 2.5L,2.4b
SAR IX 13 21 32 27.2–.61 44.08N 15.14E 5–2 2.7L,2.4b
ISC Event type ke.
VIE Error ellipse: s-maj=23.6km s-min=20.0km az=86.0. 68 km WNW of Split .
ISC IX 23 13 06 39.5–.84 42.86N–.03 17.72E–.02 2–6 104 0-6
SAR IX 23 13 06 38.4–.38 42.90N 17.64E 4–3 2.7L **¶601780625**
BEO IX 23 13 06 39.1–.50 42.87N 17.60E 0 2.7L
PDG IX 23 13 06 40.1–.68 42.78N 17.72E 10–1 2.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=2.0km az=0.0.
ISC XI 15 21 44 01.3–.93 42.82N–.02 17.78E–.02 4–7 150 0-7
ISCJB XI 15 21 44 00.6–.35 42.85N–.02 17.76E–.02 6–2 **¶601992078**
PDG XI 15 21 44 00.5–.28 42.84N 17.75E 9–0 3.0,3.0L
SAR XI 15 21 44 01.0–.28 42.84N 17.76E 4–1 3.0L,3.0L
BEO XI 15 21 44 01.4–.50 42.81N 17.73E 2–2 2.7L,3.0L
PRU XI 15 21 44 02.7–.00 42.84N 17.98E 0 2.7L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=36.2.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
BEO Event type ke.
ISC XI 18 14 56 32.3–1.0 41.65N–.02 17.13E–.03 16–9 63 1-7
ROM XI 18 14 56 32.4–.32 41.66N–.02 17.07E–.02 10 2.9L **¶601909957**
BEO XI 18 14 56 36.7–1.0 41.64N 17.29E 0 2.4L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC XII 02 20 56 20.9–1.1 42.70N–.03 17.14E–.03 30–10 93 0-6
BEO XII 02 20 56 20.6–1.0 42.93N 17.42E 20 2.2L **¶602329949**
SAR XII 02 20 56 21.3–.49 42.82N 17.21E 22–2 2.7L
PDG XII 02 20 56 24.4–.13 42.79N 17.51E 30–0 2.6L
VIE XII 02 20 56 24.7–.92 43.09N 16.98E 8 3.5s,2.6b
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
VIE Error ellipse: s-maj=12.8km s-min=8.0km az=71.0. 63 km SE of Split .
ISC XII 12 00 20 56.4–3.7 43.4N–.20 15.6E–.10 14 16 1-2
¶607290778
ISC Event type ke.
ISC XII 14 23 37 13.0–2.3 42.64N–.09 16.63E–.06 4–14 28 1-5
ISCJB XII 14 23 37 12.4–1.1 42.64N–.06 16.61E–.05 9–6 **¶604497373**
VIE XII 14 23 37 13.2–.92 42.47N 16.23E 10 3.6s,2.8b
SAR XII 14 23 37 13.6–.71 42.63N 16.59E 14–3 2.8L,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.6km az=21.5.
VIE Error ellipse: s-maj=19.4km s-min=6.9km az=64.0. 118 km S of Split .
ISC XII 31 00 09 16.5–1.2 44.98N–.03 14.81E–.05 12–10 23 0-1
¶607290792
ISC Event type ke.
ISC XII 31 00 32 06.9–1.2 44.99N–.03 14.72E–.04 9–14 24 0-1
¶607290793
ISC Event type ke.

(383) Northwestern Balkan Peninsula.

ISC VII 01 01 42 26.3–1.1 43.91N–.02 17.02E–.02 2–10 122 1-6

PRU VII 01 01 42 25.3 43.84N 17.09E 0 ¶601240393
CSEM VII 01 01 42 26.4–.21 43.92N 17.00E 2 2.6L
SAR VII 01 01 42 27.1–.32 43.92N 17.00E 5–2 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=47.0.
ISC VII 02 13 26 30.5–.97 41.80N–.01 22.94E–.02 7–8 137 0-5
CSEM VII 02 13 26 30.6–.15 41.80N 22.92E 2 2.8 ¶601732974
SKO VII 02 13 26 30.1 41.79N 22.97E 15 2.8L,2.4
ATH VII 02 13 26 31.2 41.76N 23.02E 20–3 2.7L,2.4
THE VII 02 13 26 31.0 41.79N 23.01E 2–1 2.7L,2.4
BEO VII 02 13 26 31.9–.30 41.79N 22.93E 10–3 2.6L,2.4
SOF VII 02 13 26 32.2 41.80N 23.12E 3 2.8,2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=71.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.5km az=177.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=288.0.
BEO Event type ke.
ISC VII 04 11 48 04.4–1.2 45.21N–.03 14.73E–.03 1–11 39 0-3
CSEM VII 04 11 48 03.5–.53 45.17N 14.73E 2 2.6L ¶604491486
VIE VII 04 11 48 05.0–.87 45.25N 14.77E 4 2.3L,1.6b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.5km az=4.0.
VIE Error ellipse: s-maj=5.6km s-min=2.9km az=179.0. 30 km ESE of Rijeka .
LJU VII 08 21 20 41.1 46.39N 15.07E 0
¶603242688
LJU Rockburst.
ISC VII 10 01 22 29.4–1.1 44.02N–.02 16.78E–.02 10–9 214 0-6
BEO VII 10 01 22 24.7–.50 44.00N 16.35E 0 2.8L ¶601272554
ISCJB VII 10 01 22 28.1–.54 44.05N–.02 16.72E–.03 1–3 2.8L
SAR VII 10 01 22 29.4–.31 44.01N 16.80E 8–1 2.7L
CSEM VII 10 01 22 30.0–.15 44.07N 16.79E 10 2.4L
PDG VII 10 01 22 30.0–.33 44.07N 16.82E 10–1 2.9L
PRU VII 10 01 22 31.4 44.16N 16.78E 0 2.9L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.0km az=137.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.2km az=54.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=0.0.
ISC VII 12 20 51 48.5–1.4 45.21N–.04 14.94E–.04 9–10 30 0-3
ISCJB VII 12 20 51 49.3–.61 45.26N–.03 14.95E–.04 0–5 ¶603242719
VIE VII 12 20 51 49.4–.73 45.26N 14.94E 4 2.5L,1.9b
LJU VII 12 20 51 49.3 45.26N 14.97E 15 2.1L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=139.7.
VIE Error ellipse: s-maj=4.9km s-min=2.4km az=166.0. 43 km ESE of Rijeka .
CSEM VII 14 12 44 55.7–.33 42.10N 20.40E 5 2.7L
TIR VII 14 12 44 44.0 42.09N 20.41E 2 2.7 ¶605475122
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.6km az=42.0.
BEO VII 16 16 43 23.3–1.3 43.38N 18.76E 0 1.4L
¶601734563
BEO Event type ke.
LJU VII 18 06 46 14.1 45.92N 15.53E 7 0.7L
CSEM VII 18 06 46 14.6 45.91N 15.54E 0 0.6L ¶603242740
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
LJU VII 20 01 39 24.4 45.92N 15.54E 3
CSEM VII 20 01 39 24.4 45.92N 15.54E 0 -0.3L ¶603242760
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 20 20 51 34.9–1.1 44.28N–.02 15.34E–.02 9–9 272 0-8
ISCJB VII 20 20 51 33.6–.47 44.24N–.02 15.31E–.02 5–3 ¶601459452
BEO VII 20 20 51 33.2–1.7 44.32N 15.21E 0–1 3.4L
PRU VII 20 20 51 34.2 44.21N 15.45E 0 3.4L
LDG VII 20 20 51 35.1–.10 44.30N 15.45E 2 3.1L
SAR VII 20 20 51 35.2–.44 44.23N 15.37E 6–3 3.1L
PDG VII 20 20 51 35.5–.39 44.28N 15.39E 12–1 3.4L
CSEM VII 20 20 51 35.4–.10 44.24N 15.29E 10 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=140.5.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=4.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=43.0.
ISC VII 22 22 10 51.7–.80 41.32N–.01 22.75E–.01 10–5 182 0-5
SKO VII 22 22 10 50.0 41.33N 22.76E 15 2.4L,2.1 ¶601734600
ISCJB VII 22 22 10 50.7–.34 41.35N–.01 22.76E–.02 2–3 2.4L,2.1
ATH VII 22 22 10 51.3 41.30N 22.76E 16–2 2.9L,2.1
CSEM VII 22 22 10 51.4–.15 41.32N 22.76E 2 2.8L,2.1
THE VII 22 22 10 51.9 41.30N 22.77E 0–1 2.8L,2.1
BEO VII 22 22 10 52.0–.30 41.31N 22.76E 7–2 2.8L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=143.2.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=77.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=275.0.
BEO Event type ke.
ISC VII 27 23 12 22.9–.78 44.24N–.02 17.95E–.02 2–5 4.6b,3.9s 1468 1-146
ISCJB VII 27 23 12 20.7–.28 44.215N–.01 17.90E–.01 0–2 4.6b,3.9s ¶605475500
LDG VII 27 23 12 21.9–.11 44.26N 17.97E 2 4.6L,3.9s
IDC VII 27 23 12 22.0–.46 44.19N 17.84E 0 4.4,4.3
PDG VII 27 23 12 22.4–.96 44.20N 17.91E 14–1 4.8L,4.7
ROM VII 27 23 12 22.2–.30 44.24N–.01 18.00E–.04 10 4.8L,4.7
CSEM VII 27 23 12 22.8–.04 44.19N 17.91E 3 4.8L,4.7b
MOS VII 27 23 12 22.3–1.0 44.20N 17.84E 17 4.6b,4.7b
GCMT VII 27 23 12 23.8–.50 44.20N 17.83E 23–2 4.7W,4.7b
NEIC VII 27 23 12 23.7–.10 44.17N 17.88E 10 4.8L,4.7L
BJI VII 27 23 12 23.2 44.20N 17.90E 10 4.9b,4.7s
SAR VII 27 23 12 23.2–.19 44.20N 17.90E 6–1 4.9L,4.7s
BEO VII 27 23 12 23.2–.30 44.24N 17.90E 7–2 4.8L,4.7s
PRU VII 27 23 12 24.2 44.21N 17.92E 9 4.8L,4.7s
BGR VII 27 23 12 24.5–1.0 44.29N 18.30E 10 4.9L,4.7s
TIR VII 27 23 12 26.7 44.20N 17.92E 6 4.5,4.7s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.1km az=43.8.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=33.0.
IDC Error ellipse: s-maj=9.0km s-min=6.7km az=38.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=39.0.
MOS Error ellipse: s-maj=3.0km s-min=2.4km az=109.1.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s15,c18; s64,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.11 $M_{\theta\theta}$-1.07±.08; $M_{\phi\phi}$0.53±.06; $M_{r\theta}$-0.48±.12; $M_{\theta\phi}$0.70±.05; $M_{\phi r}$-0.04±.10; Best double couple: NP1:ϕ_s252.00000°,δ76.00000°,λ34.00000°. NP2:ϕ_s153.00000°,δ57.00000°,λ164.00000°. Principal axes: T 0.9360,Plg33.0000°,Azm118.0000°; N 0.4930,Plg54.0000°,Azm272.0000°; P -1.4300,Plg13.0000°,Azm19.0000° $M_0$1.18300×10^{16}
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=218.0. Felt [V] at Zenica; [IV] at Banja Luka, Prnjavor, Travnik and Tuzla; [III] at Bugojno, Kobilja Glava and Sarajevo. Felt in much of Bosnia and Herzegovina. Felt [II] at Belgrade, Serbia. Also felt at Loznica and Novi Sad. Felt at Slavonski Brod, Croatia and at Ulcinj, Montenegro. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.23 $M_{\theta\theta}$-3.93 $M_{\phi\phi}$4.15 $M_{r\theta}$-2.39 $M_{\theta\phi}$3.88 $M_{\phi r}$-0.87 Best double couple: NP1:ϕ_s66.00000°,δ88.00000°,λ-24.00000°. NP2:ϕ_s157.00000°,δ66.00000°,λ-178.00000°. Principal axes: T 6.1900,Plg16.0000°,Azm114.0000°; N -0.0700,Plg65.0000°,Azm242.0000°; P -6.1200,Plg18.0000°,Azm19.0000° $M_0$6.20000×10^{15}
BEO Event type ke.
BGR Event type ke. Error ellipse: s-maj=23.3km s-min=12.2km az=62.0.
ISC VII 27 23 42 42.9–1.0 44.21N–.02 17.92E–.02 8–8 388 1-11
CSEM VII 27 23 42 43.2–.09 44.19N 17.92E 5 3.4L ¶601484409
SAR VII 27 23 42 43.6–.20 44.20N 17.95E 5–1 3.5L
BEO VII 27 23 42 43.1–.30 44.23N 17.88E 9–2 3.3L
PDG VII 27 23 42 43.0–.67 44.20N 18.00E 10–1 3.6,3.5L
LDG VII 27 23 42 43.5–.07 44.30N 18.02E 2 3.5L,3.5L
BGR VII 27 23 42 45.0–1.2 44.22N 18.26E 10 3.4L,3.5L
PRU VII 27 23 42 46.1 44.21N 17.97E 21 3.4L,3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=43.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.5km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=20.0.
BGR Event type ke. Error ellipse: s-maj=34.5km s-min=16.7km az=65.0.
ISC VII 28 00 35 24.6–1.0 44.22N–.01 17.94E–.02 8–9 279 1-9
CSEM VII 28 00 35 24.5–.10 44.23N 17.92E 2 2.8L ¶601494642
BEO VII 28 00 35 24.5–.30 44.21N 17.87E 2–2 2.7L
PDG VII 28 00 35 24.5–.36 44.19N 17.89E 7–0 2.8L
LDG VII 28 00 35 25.2–.14 44.32N 17.94E 2 3.1L
SAR VII 28 00 35 25.2–.21 44.21N 17.91E 3–1 2.8L
PRU VII 28 00 35 28.7 44.36N 17.74E 0 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=46.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=26.0.
ISC VII 28 02 06 23.3–1.1 44.22N–.01 17.95E–.02 3–9 208 1-6
SAR VII 28 02 06 23.9–.21 44.20N 17.93E 5–1 2.7L ¶601494646
CSEM VII 28 02 06 23.4–.11 44.20N 17.95E 2 2.7L
PDG VII 28 02 06 23.3–.08 44.16N 17.89E 9–0 2.7L
BEO VII 28 02 06 23.4–.30 44.23N 17.91E 0–2 2.6L
PRU VII 28 02 06 28.8 44.29N 17.74E 16 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=49.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
ISC VII 28 13 22 04.0–1.1 44.20N–.02 17.92E–.02 3–9 179 1-6
PDG VII 28 13 22 03.6–.16 44.25N 18.01E 13–0 2.7L ¶601734664
SAR VII 28 13 22 04.7–.22 44.20N 17.89E 4–2 2.7L
CSEM VII 28 13 22 04.2–.12 44.20N 17.93E 2 2.7L
BEO VII 28 13 22 04.6–.30 44.21N 17.88E 4–2 2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=52.0.
BEO Event type ke.
ISC VII 28 13 44 34.0–1.1 44.20N–.02 17.91E–.02 5–9 184 1-8
CSEM VII 28 13 44 34.2–.12 44.19N 17.93E 2 2.6L ¶601494661
BEO VII 28 13 44 34.5–.30 44.22N 17.88E 0 2.5L
SAR VII 28 13 44 34.4–.20 44.20N 17.90E 6–2 2.6L
PDG VII 28 13 44 34.2–.41 44.15N 17.87E 21–1 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=52.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=2.0km az=0.0.
ISC VII 29 12 40 14.7–.79 42.49N–.01 19.24E–.01 18–3 240 0-8
ISCJB VII 29 12 40 14.4–.25 42.48N–.02 19.21E–.02 23–2 ¶601734679
CSEM VII 29 12 40 14.3–.11 42.49N 19.26E 12 2.9L
BEO VII 29 12 40 14.7–.30 42.49N 19.24E 14–2 2.5L
IASPE VII 29 12 40 14.4–.76 42.49N–.02 19.21E–.02 17–4 2.5L
SAR VII 29 12 40 14.6–.26 42.49N 19.21E 12–2 2.8L
PDG VII 29 12 40 14.3–.11 42.49N 19.21E 15–0 2.7,2.6L
TIR VII 29 12 40 24.1 42.49N 19.26E 7 3.2,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=28.8.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=14.0.
BEO Event type ke.
IASPE Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=43.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.2km az=0.0.
ISC VII 29 16 53 53.3–1.0 44.22N–.02 17.94E–.02 7–9 284 1-8
ISCJB VII 29 16 53 52.6–.36 44.26N–.02 17.95E–.02 1–2 ¶601494700
PDG VII 29 16 53 52.7–.52 44.21N 17.92E 12–1 3.1L
CSEM VII 29 16 53 53.4–.11 44.21N 17.94E 2 3.1L
SAR VII 29 16 53 53.8–.19 44.19N 17.92E 5–2 3.1L
BEO VII 29 16 53 53.8–.30 44.18N 17.89E 2–2 3.0L
PRU VII 29 16 53 58.5 44.39N 17.77E 3 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=44.6.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=46.0.
BEO Event type ke.
ISC VII 29 17 32 28.5–1.0 44.20N–.02 17.91E–.02 7–9 153 1-6
CSEM VII 29 17 32 28.8–.14 44.19N 17.94E 2 2.6L ¶601494702
SAR VII 29 17 32 29.5–.21 44.20N 17.90E 5–2 2.6L
BEO VII 29 17 32 29.2–.30 44.20N 17.89E 0 2.4L
PRU VII 29 17 32 30.6 44.28N 18.25E 0 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=51.0.
BEO Event type ke.
ISC VII 30 09 01 16.9–.94 44.23N–.02 17.89E–.01 4–6 4.2b,3.6s 1050 1-125
TIR VII 30 09 01 01.1 44.73N 19.55E 6 4.3,3.6s ¶601485572
BJI VII 30 09 01 15.5 44.20N 17.80E 8 4.9b,4.6b
MOS VII 30 09 01 16.2–.99 44.20N 17.79E 12 4.6b,4.6b
IDC VII 30 09 01 16.7–.56 44.28N 17.90E 0 4.1L,4.0
BEO VII 30 09 01 17.1–.30 44.20N 17.87E 9–3 4.4L,4.0
CSEM VII 30 09 01 17.0–.06 44.23N 17.89E 2 4.7L,4.5b
SAR VII 30 09 01 17.1–.20 44.17N 17.87E 5–1 4.6L,4.5b
PDG VII 30 09 01 17.4–.38 44.15N 17.99E 9–0 4.5,4.3L
LDG VII 30 09 01 17.0–.08 44.26N 17.96E 2 4.5L,3.3s
ROM VII 30 09 01 17.4–.13 44.233N–.01 17.96E–.02 10 4.6L,3.3s
NEIC VII 30 09 01 18.4–.87 44.24N 17.85E 12–6 4.4b,4.2W
PRU VII 30 09 01 20.3 44.20N 17.89E 20 4.4b,4.2W
ISC Event type fe.
MOS Error ellipse: s-maj=4.0km s-min=2.7km az=108.6.
IDC Error ellipse: s-maj=9.8km s-min=7.6km az=35.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=40.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=28.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=211.0. Felt at Jajce, Sarajevo and Zenica. Also felt at Slavonski Brod, Croatia. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}0.30 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.20 $M_{\phi r}$0.86 Best double couple: NP1:ϕ_s345.00000°,δ90.00000°,λ160.00000°. NP2:ϕ_s76.00000°,δ70.00000°,λ0.00000°. Principal axes: T 2.5000,Plg15.0000°,Azm299.0000°; N 0.3400,Plg70.0000°,Azm164.0000°; P -2.8400,Plg14.0000°,Azm32.0000° $M_0$2.70000×10^{15}
ISC VII 30 19 45 37.3–1.1 44.21N–.01 18.00E–.02 5–9 235 1-6
BEO VII 30 19 45 37.1–.30 44.20N 17.87E 5–2 2.8L ¶601498261
CSEM VII 30 19 45 37.0–.11 44.20N 17.97E 2 2.8L
SAR VII 30 19 45 37.4–.19 44.17N 17.92E 4–2 2.9L
PDG VII 30 19 45 37.8–.54 44.10N 17.98E 10–1 3.0L
PRU VII 30 19 45 39.4 44.14N 17.85E 21 3.0L
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=52.0.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=2.9km az=0.0.
ISC VII 30 22 20 28.2–1.2 43.58N–.03 16.95E–.03 9–9 102 1-4
SAR VII 30 22 20 28.9–.40 43.59N 16.93E 10–2 2.5L ¶601734705
BEO VII 30 22 20 29.2–.60 43.64N 16.96E 0 2.4L
CSEM VII 30 22 20 29.0–.44 43.60N 16.94E 10 2.5L
PDG VII 30 22 20 33.2–.05 43.27N 17.19E 13–0 2.4L
ISC Event type ke.

BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.4km az=54.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
ISC VII 31 08 08 39.3–1.1 44.20N–.01 17.95E–.02 4–9 264 1-6
CSEM VII 31 08 08 39.4–.10 44.21N 17.94E 2 3.2L **¶601498275**
SAR VII 31 08 08 39.9–.20 44.18N 17.89E 4–2 3.3L
BEO VII 31 08 08 39.7–.30 44.18N 17.87E 5–2 3.2L
PDG VII 31 08 08 40.8–.44 44.13N 17.99E 10–1 3.4L,3.2
PRU VII 31 08 08 42.4 44.15N 17.89E 21 3.4L,3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=49.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=2.1km az=0.0.
ISC VIII 01 09 56 07.9–1.1 44.19N–.02 17.91E–.02 1–10 94 1-4
SAR VIII 01 09 56 08.8–.25 44.18N 17.89E 4–2 2.5L **¶601734724**
PDG VIII 01 09 56 08.6–.36 44.16N 17.93E 3–0 2.6L
BEO VIII 01 09 56 08.7–.30 44.20N 17.88E 6–3 2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.4km az=0.0.
BEO Event type ke.
ISC VIII 02 01 47 51.7–1.2 44.11N–.02 16.91E–.02 6–10 123 1-6
PDG VIII 02 01 47 49.3–.18 44.22N 16.40E 33–3 3.0L **¶601521059**
BEO VIII 02 01 47 50.6–.50 44.03N 16.78E 5–3 2.6L
SAR VIII 02 01 47 52.1–.32 44.04N 16.86E 9–1 2.7L
PRU VIII 02 01 47 53.0–.00 44.15N 16.99E 2 2.7L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=5.7km az=0.0.
BEO Event type ke.
ISC VIII 02 09 54 14.2–1.2 44.02N–.02 16.78E–.02 1–10 108 1-6
PDG VIII 02 09 54 14.9–.31 44.04N 16.75E 11–1 2.9L **¶601521046**
BEO VIII 02 09 54 14.5–.40 44.01N 16.79E 0–2 2.7L
SAR VIII 02 09 54 15.8–.34 44.01N 16.82E 6–2 2.7L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.3km az=0.0.
BEO Event type ke.
ISC VIII 02 10 21 33.0–1.0 44.21N–.02 17.92E–.02 14–9 123 1-6
SAR VIII 02 10 21 33.5–.18 44.18N 17.88E 3–1 2.9L **¶601521045**
PDG VIII 02 10 21 33.4–.32 44.15N 17.86E 4–0 2.9L,2.8
BEO VIII 02 10 21 33.4–.30 44.21N 17.92E 9–3 2.8L,2.8
PRU VIII 02 10 21 35.4–.00 44.15N 17.92E 19 2.8L,2.8
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
BEO Event type ke.
ISC VIII 02 11 30 31.5–1.0 44.20N–.02 17.89E–.02 9–9 81 1-2
PDG VIII 02 11 30 31.8–.22 44.21N 17.95E 7–0 2.5L **¶601734737**
SAR VIII 02 11 30 32.5–.20 44.19N 17.88E 4–2 2.4L
BEO VIII 02 11 30 32.4–.30 44.20N 17.89E 0–4 2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.
ISC VIII 03 19 57 26.4–.97 44.02N–.02 16.75E–.02 17–6 4.0b,3.3s 687 1-88
IDC VIII 03 19 57 23.5–.74 43.96N 16.73E 0 4.1L,4.0 **¶601518043**
BEO VIII 03 19 57 23.7–.60 44.04N 16.59E 7–3 4.5L,4.0
LDG VIII 03 19 57 23.6–.06 43.96N 16.77E 2 4.5L,4.0
PDG VIII 03 19 57 24.6–1.1 43.97N 16.76E 11–2 4.5,4.5L
SAR VIII 03 19 57 26.2–.31 44.00N 16.83E 12–1 4.5L,4.5L
MOS VIII 03 19 57 26.0–.95 44.00N 16.70E 31 4.2b,4.5L
NEIC VIII 03 19 57 27.6–1.0 43.99N 16.80E 29–9 4.3L,4.5L
PRU VIII 03 19 57 27.4–.00 44.04N 16.80E 13 4.3,4.5L
TIR VIII 03 19 57 31.3 43.17N 17.21E 10 4.2,4.5L
BGR VIII 03 19 57 42.5–.82 44.97N 16.01E 10 4.0L,4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=9.5km az=33.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=93.8.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.8km az=199.0.
BGR Event type ke. Error ellipse: s-maj=21.1km s-min=10.0km az=92.0.
ISC VIII 03 20 28 46.4–1.4 44.06N–.02 16.82E–.03 4–11 110 1-6
BEO VIII 03 20 28 44.3–.70 44.03N 16.61E 7–3 2.6L **¶601521084**
ISCJB VIII 03 20 28 45.5–.57 44.05N–.02 16.80E–.03 0–3 2.6L
PRU VIII 03 20 28 46.7–.00 44.10N 16.99E 0 2.6L
PDG VIII 03 20 28 46.9–.24 44.05N 16.76E 18–6 2.7L
SAR VIII 03 20 28 47.0–.33 44.01N 16.81E 7–2 2.6L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=43.0.
PDG Event type ke. Error ellipse: s-maj=3.4km s-min=9.3km az=0.0.
ISC VIII 03 22 30 53.0–1.2 44.05N–.02 16.81E–.02 9–10 248 1-11
BGR VIII 03 22 30 50.5–1.2 43.91N 17.57E 10 3.6L **¶601518053**
BEO VIII 03 22 30 51.7–.60 44.02N 16.64E 8–3 3.4L
LDG VIII 03 22 30 53.1–.12 44.03N 16.82E 2 3.5L
VIE VIII 03 22 30 53.6–.62 44.09N 16.97E 10 3.4s,3.3L
PDG VIII 03 22 30 53.4–.36 44.15N 16.64E 32–1 3.6L,3.3L
SAR VIII 03 22 30 53.4–.30 43.99N 16.77E 8–1 3.5L,3.3L
PRU VIII 03 22 30 55.5–.00 44.18N 16.72E 0 3.5L,3.3L
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=30.0km s-min=14.5km az=82.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=34.0.
VIE Error ellipse: s-maj=6.7km s-min=5.3km az=73.0. 75 km NNE of Split .
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.4km az=0.0.
ISC VIII 04 01 45 58.7–1.2 44.03N–.02 16.84E–.02 5–10 154 1-6
BEO VIII 04 01 45 56.9–.60 44.05N 16.56E 6–3 2.9L **¶601521090**
ISCJB VIII 04 01 45 58.1–.50 44.04N–.02 16.79E–.02 1–3 2.9L
PDG VIII 04 01 45 58.6–.54 44.02N 16.80E 11–1 3.1L
SAR VIII 04 01 45 59.4–.33 44.00N 16.80E 5–2 2.9L
PRU VIII 04 01 45 59.6–.00 43.93N 16.69E 14 2.9L
TIR VIII 04 01 46 48.4 42.94N 17.70E 32 3.9
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=137.9.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
BEO VIII 04 06 18 45.7–1.5 44.12N 21.54E 17–1 1.3L
¶601734762
BEO Event type ke.
ISC VIII 05 21 36 19.4–1.1 44.21N–.02 17.91E–.02 4–9 146 1-6
SAR VIII 05 21 36 19.9–.18 44.20N 17.89E 4–2 2.7L **¶601521125**
PRU VIII 05 21 36 19.5–.00 44.20N 17.99E 0 2.7L
PDG VIII 05 21 36 19.6–.22 44.27N 18.05E 11–0 2.9L
BEO VIII 05 21 36 19.7–.30 44.20N 17.83E 1–2 2.7L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
BEO Event type ke.
ISC VIII 05 23 04 44.2–1.3 41.05N–.04 21.34E–.08 17–10 10 0-1
TIR VIII 05 23 04 44.1 41.05N 21.31E 6 2.5 **¶604481556**
SKO VIII 05 23 04 44.1 41.05N 21.34E 20 1.7L,1.3
ISC Event type ke.
VIE VIII 08 01 30 59.8–.71 46.42N 15.13E 0 1.0L,0.9b
LJU VIII 08 01 30 59.6 46.39N 15.07E 0 1.0L,0.9b **¶603242887**
VIE Event type sr. Error ellipse: s-maj=7.8km s-min=5.6km az=178.0. 23 km NNW of Celje .
Suspected Mining induced.
LJU Rockburst.
ISC VIII 09 03 52 08.8–1.1 44.00N–.02 16.84E–.02 4–10 103 1-5
BEO VIII 09 03 52 08.5–.60 44.03N 16.79E 6–2 2.3L **¶601734844**
SAR VIII 09 03 52 09.3–.39 44.00N 16.76E 4–2 2.4L
PDG VIII 09 03 52 09.3–.14 44.04N 16.69E 12–3 2.7L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=5.5km az=0.0.

VIE VIII 09 05 57 56.8–.37 46.40N 15.10E 0 1.3b,1.1L
LJU VIII 09 05 57 56.7 46.39N 15.07E 0 1.3b,1.1L **¶603242898**
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=1.9km az=1.0. 22 km NNW of Celje .
Suspected Mining induced.
LJU Rockburst.
VIE VIII 09 08 21 57.9–.62 46.40N 15.11E 0 1.0L,0.7b
LJU VIII 09 08 21 57.6 46.39N 15.07E 0 0.3L,0.7b **¶603242899**
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=2.4km az=168.0. 22 km NNW of Celje .
Suspected Mining induced.
LJU Rockburst.
ISC VIII 10 03 31 28.3–1.1 44.21N–.02 17.94E–.02 4–9 144 1-6
ISCJB VIII 10 03 31 27.6–.39 44.27N–.02 17.98E–.02 0–2 **¶601554321**
SAR VIII 10 03 31 28.5–.20 44.17N 17.94E 7–2 2.8L
PRU VIII 10 03 31 28.5–.00 44.15N 17.88E 0 2.8L
PDG VIII 10 03 31 28.5–.43 44.27N 17.96E 10–1 3.0L
BEO VIII 10 03 31 28.9–.30 44.21N 17.92E 9–2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=41.9.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.
BEO Event type ke.
ISC VIII 10 04 05 05.0–1.1 44.20N–.02 17.90E–.02 2–10 92 1-4
SAR VIII 10 04 05 05.9–.21 44.19N 17.91E 4–2 2.4L **¶601734869**
BEO VIII 10 04 05 05.5–.30 44.20N 17.88E 8–2 2.2L
PDG VIII 10 04 05 06.0–.22 44.19N 17.89E 5–0 2.5L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
ISC VIII 10 07 47 31.1–1.1 43.25N–.02 17.72E–.02 6–9 146 0-6
ISCJB VIII 10 07 47 29.6–.34 43.27N–.01 17.68E–.02 0–2 **¶601734872**
SAR VIII 10 07 47 30.8–.27 43.26N 17.68E 4–2 3.1L
PDG VIII 10 07 47 31.6–.64 43.20N 17.74E 10–1 3.2,3.1L
BEO VIII 10 07 47 31.1–.40 43.25N 17.66E 9–2 2.9L,3.1L
ROM VIII 10 07 47 47.2–.36 42.15N–.03 16.99E–.03 10 2.5L,3.1L
ISC Event type ke.
ISCJB Event type ke.
PDG Event type ke.
BEO Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LJU VIII 10 09 12 11.2 45.55N 15.39E 6 0.8L
¶603242906
ISC VIII 10 10 45 18.1–1.0 44.24N–.02 17.89E–.02 14–8 165 1-11
ISCJB VIII 10 10 45 17.4–.37 44.29N–.02 17.98E–.02 3–2 **¶601554324**
BEO VIII 10 10 45 18.7–.30 44.22N 17.90E 11–2 3.1L
SAR VIII 10 10 45 18.7–.20 44.19N 17.94E 6–2 3.1L
LDG VIII 10 10 45 18.6–.13 44.28N 17.97E 2 3.2L
PDG VIII 10 10 45 18.6–.37 44.30N 18.09E 10–1 3.3L
PRU VIII 10 10 45 20.1–.00 44.27N 17.80E 0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=41.6.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=20.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
LJU VIII 11 17 51 40.6 45.26N 14.63E 20 0.7L
¶603242916
ISC VIII 12 12 04 44.1–.91 42.16N–.03 19.41E–.02 10–7 65 0-2
TIR VIII 12 12 04 42.0 42.11N 19.31E 6 2.8 **¶601734896**
SAR VIII 12 12 04 43.2–.88 42.14N 19.47E 5 1.7L
ISCJB VIII 12 12 04 43.4–.45 42.17N–.02 19.42E–.02 10–5 1.7L
PDG VIII 12 12 04 44.3–.14 42.15N 19.37E 10–1 1.7L
BEO VIII 12 12 04 45.4–.80 42.24N 19.45E 6–5 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=17.1.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ISC VIII 23 02 33 15.9–1.0 44.19N–.02 17.92E–.02 8–9 150 1-6
SAR VIII 23 02 33 16.2–.17 44.20N 17.89E 4–1 2.7L **¶601627471**
TIR VIII 23 02 33 16.1 44.56N 19.24E 8 3.7
PDG VIII 23 02 33 16.3–.38 44.20N 17.96E 10–0 2.9L
BEO VIII 23 02 33 16.1–.30 44.19N 17.85E 3–2 2.6L
PRU VIII 23 02 33 21.2–.00 44.39N 17.80E 9 2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.1km az=0.0.
BEO Event type ke.
BEO VIII 23 16 36 19.2–.30 43.39N 18.85E 0 1.8L
SAR VIII 23 16 36 18.6–.20 43.41N 18.78E 3–2 1.9L **¶601729227**
BEO Event type ke.
ISC VIII 25 19 48 10.0–1.1 43.33N–.03 17.20E–.03 8–9 102 1-5
SAR VIII 25 19 48 09.3–.35 43.32N 17.13E 10–2 2.6L **¶601729245**
BEO VIII 25 19 48 09.1–.70 43.38N 17.07E 0 2.5L
PDG VIII 25 19 48 10.2–.40 43.32N 17.27E 3–0 2.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
ISC VIII 27 16 26 51.5–.88 41.40N–.02 22.42E–.02 7–6 3.5b 256 0-42
SKO VIII 27 16 26 49.9 41.39N 22.45E 15 3.5L,3.3 **¶601627757**
TIR VIII 27 16 26 50.3 41.46N 22.27E 2 3.7,3.3
PDG VIII 27 16 26 51.0–.53 41.43N 22.45E 12–0 3.5L,3.3
BEO VIII 27 16 26 51.1–.30 41.40N 22.45E 12–2 3.4L,3.3
THE VIII 27 16 26 51.3 41.37N 22.42E 3–1 3.6L,3.3
ATH VIII 27 16 26 51.2 41.35N 22.46E 24–1 3.5L,3.3
IDC VIII 27 16 26 52.1–1.2 41.48N 22.55E 0 3.7,3.6
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=181.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=164.0.
IDC Error ellipse: s-maj=15.8km s-min=13.5km az=25.0.
ISC VIII 28 01 21 54.7–1.0 44.21N–.02 17.90E–.02 10–9 203 1-9
SAR VIII 28 01 21 55.7–.19 44.20N 17.92E 7–1 3.1L **¶601650871**
BEO VIII 28 01 21 55.7–.30 44.21N 17.90E 10–2 3.0L
LDG VIII 28 01 21 55.5–.09 44.30N 18.04E 2 3.0L
PDG VIII 28 01 21 55.6–.55 44.24N 18.00E 10–1 3.3L
PRU VIII 28 01 21 57.6–.00 44.26N 17.98E 10 3.3L
ISC Event type ke.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=22.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.
ISC VIII 28 14 10 40.5–1.1 44.19N–.01 17.86E–.02 4–9 161 1-6
PRU VIII 28 14 10 40.6–.00 44.14N 17.88E 0 **¶601628800**
PDG VIII 28 14 10 40.9–.50 44.20N 17.92E 6–1 3.2L
SAR VIII 28 14 10 41.5–.20 44.20N 17.88E 6–1 3.1L
BEO VIII 28 14 10 41.6–.30 44.18N 17.85E 4–2 3.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.
BEO Event type ke.
ISC VIII 28 21 03 26.0–1.0 44.23N–.02 17.90E–.02 9–9 117 1-4
SAR VIII 28 21 03 26.1–.21 44.20N 17.88E 5–1 2.4L **¶601729269**
BEO VIII 28 21 03 26.0–.40 44.19N 17.83E 10–2 2.4L
PDG VIII 28 21 03 26.1–.29 44.27N 17.97E 10–0 2.5L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
LJU VIII 28 23 14 03.1 46.39N 15.07E 0
¶603243101
LJU Rockburst.
ISC VIII 28 23 48 19.0–.84 43.27N–.02 19.97E–.02 5–5 60 0-2
SAR VIII 28 23 48 20.4–.45 43.29N 19.96E 5–3 1.7L **¶601729273**
BEO VIII 28 23 48 20.0–.20 43.26N 20.02E 0 1.8L
SIK VIII 28 23 48 21.5–.00 42.74N 19.53E 5 2.6L
ISC Event type ke.

BEO Event type ke.
ISC IX 01 03 37 01.0–1.0 44.21N–.02 17.92E–.02 9–9 134 1-6
PDG IX 01 03 37 00.1–.35 44.22N 17.92E 3–0 2.7L **¶601685285**
SAR IX 01 03 37 01.1–.19 44.19N 17.88E 5–1 2.7L
BEO IX 01 03 37 01.3–.30 44.20N 17.86E 8–2 2.6L
PRU IX 01 03 37 02.8–.00 44.30N 18.00E 9 2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.0km az=0.0.
BEO Event type ke.
BEO IX 01 21 28 07.9–1.1 43.99N 16.89E 4–7 2.1L
SAR IX 01 21 28 05.8–.43 43.97N 16.61E 10–2 2.2L **¶602050873**
BEO Event type ke.
ISC IX 03 16 54 30.7–.85 41.29N–.02 22.76E–.02 8–6 81 0-5
SKO IX 03 16 54 29.6 41.32N 22.77E 15 2.2L,2.1 **¶602029060**
THE IX 03 16 54 30.7 41.30N 22.75E 3–1 2.7L,2.1
BEO IX 03 16 54 30.5–.70 41.24N 22.81E 0 2.4L,2.1
ATH IX 03 16 54 30.6 41.30N 22.77E 12–4 2.6L,2.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=214.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.2km az=162.0. Analyst: Koutrakis ML
Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 04 02 07 47.7–1.0 44.22N–.02 17.89E–.02 11–9 162 1-11
ISCJB IX 04 02 07 45.7–.38 44.20N–.01 17.86E–.02 1–3 **¶601685341**
BEO IX 04 02 07 47.8–.30 44.20N 17.84E 11–2 3.2L
SAR IX 04 02 07 47.8–.23 44.20N 17.87E 5–2 3.3L
LDG IX 04 02 07 47.5–.08 44.32N 18.05E 2 3.5L
PRU IX 04 02 07 49.1–.00 44.31N 17.93E 0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=32.3.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=33.0.
ISC IX 06 02 30 54.5–1.1 44.19N–.02 17.89E–.02 6–9 101 1-4
PDG IX 06 02 30 54.7–.26 44.19N 17.92E 8–0 2.5L **¶601780601**
SAR IX 06 02 30 55.2–.22 44.19N 17.92E 3–2 2.3L
BEO IX 06 02 30 55.2–.30 44.19N 17.86E 8–3 2.2L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
BEO Event type ke.
SIK IX 07 14 17 53.5–.57 42.62N–.02 20.95E–.02 0 1.2L
¶606635127
ISC IX 07 16 47 23.2–.98 41.27N–.02 21.99E–.02 9–10 79 0-5
SKO IX 07 16 47 22.3 41.29N 21.99E 25 2.3L,2.0 **¶606542111**
ISCJB IX 07 16 47 22.5–.37 41.30N–.02 21.99E–.02 4–4 2.3L,2.0
TIR IX 07 16 47 23.3 41.29N 21.89E 7 2.9,2.0
THE IX 07 16 47 23.4 41.27N 22.01E 2–1 2.3L,2.0
ATH IX 07 16 47 23.5 41.23N 22.02E 17–3 2.1L,2.0
BEO IX 07 16 47 23.3–.60 41.27N 21.99E 6–3 2.1L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=6.2.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=217.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=144.0. Analyst: Moshou ML
Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
ISC IX 08 13 06 30.3–.98 42.88N–.01 20.13E–.01 6–8 120 0-4
SIK IX 08 13 06 28.9–5.6 43.0N–.30 20.2E–.30 6 2.9L **¶606542113**
TIR IX 08 13 06 29.2 42.86N 19.96E 7 2.9
SAR IX 08 13 06 30.9–.55 42.89N 20.13E 4–3 2.4L
PDG IX 08 13 06 30.4–.19 42.87N 20.11E 10–0 2.6,2.5L
BEO IX 08 13 06 31.3–.30 42.90N 20.15E 1–2 2.4L,2.5L
ISC Event type ke.
SIK Error ellipse: s-maj=104.5km s-min=27.1km az=41.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ISC IX 08 20 31 06.2–.78 45.69N–.02 15.63E–.02 15–5 177 0-8
LJU IX 08 20 31 05.8 45.66N 15.63E 17 2.7L **¶601699580**
VIE IX 08 20 31 07.0–.50 45.72N 15.59E 11–2 2.9L,2.4b
ISCJB IX 08 20 31 06.7–.25 45.70N–.01 15.68E–.02 16–3 2.9L,2.4b
SAR IX 08 20 31 06.9–.21 45.67N 15.66E 4–2 3.0L,2.4b
LDG IX 08 20 31 06.9–.12 45.73N 15.56E 10 2.9L,2.4b
BEO IX 08 20 31 08.0–.30 45.69N 15.62E 9–5 2.8L,2.4b
PRU IX 08 20 31 09.1–.00 45.85N 15.75E 10 2.8L,2.4b
ISC Event type ke.
VIE Error ellipse: s-maj=3.8km s-min=2.1km az=131.0. 26 km N of Karlovac .
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=32.9.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=159.0.
BEO Event type ke.
ISC IX 09 02 43 06.6–1.1 43.80N–.01 18.60E–.02 4–9 146 0-6
ISCJB IX 09 02 43 05.6–.31 43.82N–.01 18.59E–.02 1–2 **¶601780606**
PDG IX 09 02 43 06.4–.33 43.79N 18.60E 12–0 2.8L
SAR IX 09 02 43 07.1–.16 43.81N 18.60E 4–1 2.8L
BEO IX 09 02 43 07.2–.20 43.81N 18.59E 9–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=162.8.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
BEO Event type ke.
BEO IX 09 19 53 52.3–.30 43.44N 20.12E 0 1.7L
¶602050901
BEO Event type ke.
ISC IX 11 18 43 23.7–1.0 45.28N–.03 14.70E–.02 9–8 76 0-3
LJU IX 11 18 43 23.2 45.29N 14.70E 16 2.0L **¶603462519**
VIE IX 11 18 43 24.1–.54 45.33N 14.71E 4 2.6L,1.8b
ISC Event type ke.
VIE Error ellipse: s-maj=3.7km s-min=2.2km az=173.0. 24 km E of Rijeka .
ISC IX 12 00 17 51.4–1.2 43.99N–.02 16.81E–.03 3–10 96 1-5
BEO IX 12 00 17 52.1–.70 44.00N 16.80E 8–4 2.2L **¶601780610**
SAR IX 12 00 17 52.2–.34 44.00N 16.80E 5–2 2.4L
PDG IX 12 00 17 52.1–.33 43.99N 16.76E 3–1 2.7L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.5km az=0.0.
LJU IX 14 05 01 31.5 46.39N 15.07E 0
¶603462543
LJU Rockburst.
ISC IX 18 04 15 27.7–1.2 42.45N–.02 20.94E–.03 3–11 36 1-2
SKO IX 18 04 15 26.7 42.42N 20.85E 7 1.8L **¶606542137**
TIR IX 18 04 15 27.9 42.34N 20.99E 10 2.7
BEO IX 18 04 15 29.1–.70 42.47N 20.96E 0 2.7
ISC Event type ke.
BEO Event type ke.
VIE IX 19 10 28 00.3–.78 46.39N 15.14E 0 1.4L,1.1b
LJU IX 19 10 28 00.6 46.39N 15.07E 0 1.4L,1.1b **¶604492029**
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=3.0km az=166.0. 20 km NNW of Celje .
Suspected Mining induced.
LJU Rockburst.
ISC IX 22 01 16 05.3–1.1 43.73N–.02 17.06E–.02 9–9 182 1-8
PRU IX 22 01 16 02.9–.00 43.55N 17.28E 0 **¶601738362**
SAR IX 22 01 16 04.9–.26 43.73N 16.99E 3–1 3.0L
BEO IX 22 01 16 05.3–.40 43.75N 16.98E 0–2 2.8L
PDG IX 22 01 16 06.6–.56 43.78N 17.12E 13–1 3.0L
LDG IX 22 01 16 07.4–.14 43.91N 17.18E 10 2.9L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=24.0.
ISC IX 24 07 11 38.0–1.0 42.35N–.02 21.01E–.01 6–9 145 0-7
PDG IX 24 07 11 37.9–.46 42.44N 21.06E 8–0 3.0,2.9L **¶601780626**
SIK IX 24 07 11 38.3–1.9 42.35N–.06 21.0E–.10 0 2.6L,2.9L
BEO IX 24 07 11 38.4–.30 42.33N 20.94E 2–2 3.0L,2.9L
SKO IX 24 07 11 38.6 42.32N 20.97E 4 2.9L,2.2
THE IX 24 07 11 39.1 42.28N 21.00E 1–3 2.7L,2.2
SAR IX 24 07 11 39.8–.71 42.49N 21.00E 4–4 2.9L,2.2
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
SIK Error ellipse: s-maj=33.4km s-min=15.4km az=106.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=317.0.
ISC IX 25 08 30 02.0–1.1 43.98N–.03 16.75E–.03 11–10 94 1-3
BEO IX 25 08 30 01.6–1.2 44.02N 16.68E 11–1 2.1L **¶601780628**
SAR IX 25 08 30 02.6–.47 43.99N 16.71E 8–3 2.4L
PDG IX 25 08 30 03.0–.18 44.03N 16.68E 15–6 2.7L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=3.8km s-min=9.6km az=0.0.
ISC IX 28 09 52 11.6–1.1 43.33N–.02 17.74E–.02 10–9 87 0-3
BEO IX 28 09 52 11.3–.50 43.31N 17.64E 18–6 2.3L **¶601780635**
SAR IX 28 09 52 11.6–.29 43.36N 17.77E 5–2 2.4L
PDG IX 28 09 52 11.8–.30 43.33N 17.75E 8–0 2.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
ISC IX 30 19 06 05.0–.96 42.49N–.02 18.62E–.01 4–8 136 0-7
ISCJB IX 30 19 06 04.4–.34 42.50N–.02 18.61E–.02 1–2 **¶601780641**
PDG IX 30 19 06 04.5–.10 42.49N 18.61E 11–0 2.9,2.9L
SAR IX 30 19 06 05.2–.29 42.45N 18.61E 3–1 2.9L,2.9L
BEO IX 30 19 06 06.8–.30 42.52N 18.71E 1–1 2.7L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=27.6.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.1km az=0.0.
BEO Event type ke.
ISC X 01 17 58 00.8–.94 42.30N–.02 21.58E–.02 13–8 68 0-3
SKO X 01 17 57 58.4 42.30N 21.56E 15 2.4L,2.2 **¶606635542**
BEO X 01 17 58 01.7–.20 42.30N 21.59E 0 2.1L,2.2
TIR X 01 17 58 01.5 42.16N 21.55E 1 3.0,2.2
SIK X 01 17 58 04.9–28 42N–5.0 21E–5.0 34–909 2.1L,2.2
ISC Event type ke.
BEO Event type ke.
SKO X 02 11 53 26.1 41.71N 22.37E 15 1.3L,0.9
¶604481716
ISC X 03 04 04 56.4–1.2 42.10N–.04 20.27E–.04 8–10 32 0-2
SAR X 03 04 04 56.6–1.1 42.09N 20.30E 5–3 1.8L **¶606635544**
BEO X 03 04 04 56.4–1.1 42.06N 20.28E 9–5 1.5L
TIR X 03 04 04 56.4 42.13N 20.26E 7 2.5
ISC Event type ke.
BEO Event type ke.
BEO X 03 13 52 20.3–.30 42.88N 18.69E 0 1.4L
SAR X 03 13 52 18.7–.37 42.90N 18.67E 7–3 1.7L **¶602051064**
BEO Event type ke.
ISC X 08 12 18 46.8–.99 44.08N–.02 17.06E–.02 10–6 4.3b 501 1-89
ISCJB X 08 12 18 44.4–.33 44.07N–.01 17.09E–.01 0–2 5.2s,4.3b **¶601795300**
BEO X 08 12 18 45.6–.50 44.09N 17.06E 4–2 4.1L,4.3b
PDG X 08 12 18 46.5–.56 44.08N 17.18E 2–1 4.3,4.2L
SAR X 08 12 18 46.2–.28 44.05N 17.11E 6–2 4.2L,4.2L
MOS X 08 12 18 46.9–1.0 44.09N 16.98E 22 4.8b,4.2L
NEIC X 08 12 18 47.3–.19 44.10N 17.08E 10 4.4b,4.2L
LDG X 08 12 18 47.1–.07 44.10N 17.16E 10 4.5L,4.2L
BJI X 08 12 18 47.0 44.10N 17.20E 12 4.9b,4.2L
PRU X 08 12 18 48.5–.00 44.06N 17.04E 12 4.4,4.2L
IDC X 08 12 18 49.7–3.1 44.10N 17.06E 27–23 4.0,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=135.3.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.6km az=0.0.
MOS Error ellipse: s-maj=5.0km s-min=3.5km az=109.7.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=213.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=51.0.
IDC Error ellipse: s-maj=11.9km s-min=9.6km az=36.0.
SAR X 09 23 59 58.3–.47 42.44N 18.59E 5–3 1.7L
¶606632107
VIE X 10 08 02 30.9–2.0 46.30N 15.12E 0 1.1L,0.9b
LJU X 10 08 02 32.8 46.39N 15.07E 0 1.1L,0.9b **¶603742162**
VIE Event type sr. Error ellipse: s-maj=15.1km s-min=7.8km az=173.0. 13 km NW of Celje .
Suspected Mining induced.
LJU Rockburst.
ISC X 12 06 10 00.6–1.3 45.19N–.04 14.72E–.04 11–12 18 0-1
¶606965048
ISC Event type ke.
ISC X 13 12 11 41.5–1.1 43.33N–.02 17.29E–.02 10–9 105 1-6
BEO X 13 12 11 36.7–.70 43.23N 16.76E 11–3 2.6L **¶602051108**
ISCJB X 13 12 11 40.7–.51 43.38N–.02 17.30E–.03 5–3 2.6L
SAR X 13 12 11 42.0–.31 43.37N 17.27E 7–2 2.7L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=35.9.
ISC X 14 23 54 38.9–1.1 43.65N–.02 21.58E–.02 1–9 124 0-5
ISCJB X 14 23 54 38.7–.36 43.66N–.02 21.58E–.02 0–2 **¶602051118**
SIK X 14 23 54 38.1–99 43N–5.0 22E–3.0 0 2.3L
BEO X 14 23 54 40.0–.20 43.66N 21.63E 0 2.3L
SAR X 14 23 54 41.7–.82 43.59N 21.44E 4–3 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=167.2.
SIK Error ellipse: s-maj=1278.5km s-min=878.8km az=2.0.
BEO Event type ke.
ISC X 16 10 45 23.1–.78 42.89N–.02 18.52E–.02 15–4 75 0-4
PDG X 16 10 45 22.5–.09 42.89N 18.48E 18–0 2.5,2.4L **¶602051130**
SAR X 16 10 45 23.5–.21 42.89N 18.46E 5–1 2.5L,2.4L
BEO X 16 10 45 23.0–.30 42.89N 18.53E 0 2.4L,2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=0.0.
BEO Event type ke.
SKO X 16 15 10 59.9 41.18N 21.99E 28 1.8L,1.4
¶604481775
ISC X 17 04 29 28.3–1.0 45.07N–.02 16.46E–.02 8–9 80 0-4
ISCJB X 17 04 29 27.2–.37 45.08N–.02 16.45E–.02 1–3 **¶602051135**
SAR X 17 04 29 28.9–.22 45.01N 16.43E 3–1 2.6L
BEO X 17 04 29 33.2–.90 44.80N 16.59E 0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=39.5.
BEO Event type ke.
ISC X 19 10 13 40.6–1.0 43.03N–.02 20.28E–.02 6–9 91 0-4
SIK X 19 10 13 28.0–27 42N–1.0 20E–2.0 0 2.7L **¶601879523**
SAR X 19 10 13 43.1–.61 43.06N 20.18E 6–3 2.0L
PDG X 19 10 13 43.9–.15 43.02N 20.08E 5–3 2.0L
BEO X 19 10 13 43.0–.50 43.07N 20.26E 0 2.0L
ISC Event type ke.
SIK Error ellipse: s-maj=476.2km s-min=294.2km az=121.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.7km az=0.0.
BEO Event type ke.
ISC X 20 19 54 05.1–.84 44.53N–.01 21.66E–.01 11–6 248 0-7
ISCJB X 20 19 54 04.4–.27 44.54N–.01 21.64E–.02 6–2 **¶601840852**
PRU X 20 19 54 04.9–.00 44.60N 21.66E 0
BEO X 20 19 54 05.6–.30 44.50N 21.70E 5–2 3.2L
PDG X 20 19 54 05.8–.57 44.51N 21.66E 21–1 3.3L
BUC X 20 19 54 05.5–.92 44.54N 21.66E 12–4 3.5
SAR X 20 19 54 07.4–.63 44.54N 21.61E 4–2 3.2L
SIK X 20 19 54 27.0–11 43.2N–.40 20.7E–.50 5–56 2.3L
ISC Event type ke.
ISCJB Event type ke.
BEO Event type ke.
PDG Event type ke.
BUC Event type ke.
SKO X 28 03 13 40.8 41.83N 22.91E 0 1.4L,0.8

¶604481805

LJU X 28 23 37 14.6 46.39N 15.07E 0

¶603742285

LJU Rockburst.

ISC	**X**	**29 11 13 25.9–1.1**	**44.00N–.02**	**18.22E–.02**	**1–10**		**117**	**1-6**
SAR	X	29 11 13 26.9–.25	43.95N	18.22E	3–2	3.0L	¶601867611	
PDG	X	29 11 13 26.5–.29	44.01N	18.26E	11–0	2.9L		
BEO	X	29 11 13 26.3–.30	44.00N	18.15E	0	2.8L		
PRU	X	29 11 13 27.5–.00	44.00N	18.66E	0	2.8L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
BEO Event type ke.

VIE	**X**	**30 11 18 43.4–.27**	**46.41N**	**15.17E**	**0**	**0.9L**		
LJU	X	30 11 18 43.3	46.40N	15.17E	0	0.9L	¶603742292	

VIE Event type sr. Error ellipse: s-maj=2.5km s-min=1.8km az=52.0. 21 km NNW of Celje . Suspected Mining induced.
LJU Artificial.

ISC	**XI**	**03 08 06 20.5–.94**	**42.38N–.02**	**18.71E–.02**	**6–7**		**147**	**0-7**
TIR	XI	03 08 06 17.4	42.44N	18.62E	3	3.3	¶606794606	
PDG	XI	03 08 06 19.9–.36	42.36N	18.72E	12–0	3.0,3.0L		
ISCJB	XI	03 08 06 20.3–.32	42.41N–.01	18.73E–.02	7–2	3.0,3.0L		
SAR	XI	03 08 06 20.8–.34	42.39N	18.74E	3–1	3.1L,3.0L		
SKO	XI	03 08 06 21.0	42.43N	18.70E	0	3.0L,2.5		
BEO	XI	03 08 06 21.7–.40	42.39N	18.76E	5–1	2.9L,2.5		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=139.3.
BEO Event type ke.

ISC	**XI**	**06 23 11 48.0–1.0**	**42.12N–.01**	**20.15E–.01**	**5–9**		**142**	**0-5**
SKO	XI	06 23 11 45.9	42.18N	20.15E	62		¶606794796	
TIR	XI	06 23 11 47.8	42.09N	20.19E	6	2.9		
SAR	XI	06 23 11 47.1–.82	42.00N	20.20E	6–4	2.6L		
THE	XI	06 23 11 47.6	42.17N	20.23E	0–4	2.3L		
PDG	XI	06 23 11 48.4–.28	42.10N	20.14E	5–0	2.9,2.8L		
SIK	XI	06 23 11 48.2–2.0	42.1N–.10	20.12E–.08	0	2.6L,2.8L		
BEO	XI	06 23 11 49.5–.30	42.10N	20.16E	4–2	2.2L,2.8L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.4km az=335.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
SIK Error ellipse: s-maj=39.3km s-min=22.8km az=170.0.
BEO Event type ke.

ISC	**XI**	**07 01 35 57.5–1.2**	**45.08N–.03**	**14.95E–.05**	**11–15**		**14**	**0-1**
							¶607280726	

ISC Event type ke.

ISC	**XI**	**07 02 11 45.5–1.1**	**42.12N–.02**	**20.16E–.01**	**4–9**		**119**	**0-4**
SIK	XI	07 02 11 45.8–1.7	42.1N–.10	20.16E–.07	0	2.7L	¶606794798	
SAR	XI	07 02 11 45.1–.83	42.01N	20.18E	5–4	2.5L		
PDG	XI	07 02 11 45.9–.25	42.10N	20.14E	16–0	2.4L		
TIR	XI	07 02 11 45.7	42.09N	20.18E	2	2.7		
SKO	XI	07 02 11 45.8	42.16N	20.22E	4	2.3L,1.5		
BEO	XI	07 02 11 46.8–.20	42.12N	20.11E	0	2.0L,1.5		

ISC Event type ke.
SIK Error ellipse: s-maj=36.8km s-min=18.3km az=172.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
BEO Event type ke.

ISC	**XI**	**10 13 25 02.7–.98**	**42.10N–.03**	**19.09E–.03**	**20–3**		**66**	**0-2**
TIR	XI	10 13 25 02.5	42.11N	19.07E	7	2.8	¶606794622	
ISCJB	XI	10 13 25 03.4–.51	42.13N–.02	19.10E–.03	10–3	2.8		
BEO	XI	10 13 25 03.9–.90	42.14N	19.19E	12–3	2.0L		
PDG	XI	10 13 25 03.6–.13	42.14N	19.10E	15–0	2.4,2.4L		
SAR	XI	10 13 25 04.2–.84	42.13N	19.12E	6–1	2.2L,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=39.7.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.

ISC	**XI**	**11 05 34 56.1–1.1**	**42.09N–.02**	**20.13E–.02**	**3–10**		**89**	**0-2**
SIK	XI	11 05 34 54.4–15	42N–1.0	20.1E–.70	50	2.7L	¶606794626	
SAR	XI	11 05 34 55.0–.88	42.00N	20.24E	5–4	2.3L		
TIR	XI	11 05 34 56.1	42.09N	20.19E	7	2.4		
PDG	XI	11 05 34 57.1–.34	42.12N	20.09E	10–1	2.4L		
BEO	XI	11 05 34 58.3–.30	42.10N	20.14E	0	2.0L		

ISC Event type ke.
SIK Error ellipse: s-maj=326.9km s-min=179.0km az=168.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
BEO Event type ke.

ISC	**XI**	**12 21 23 13.6–1.0**	**45.26N–.03**	**14.50E–.03**	**14–7**		**43**	**0-1**
							¶607280708	

ISC Event type ke.

ISC	**XI**	**12 23 18 43.0–.49**	**42.55N–.01**	**18.99E–.01**	**19–1**	**4.5b**	**805**	**0-124**
TIR	XI	12 23 18 40.3	42.59N	18.96E	10	4.2	¶606794632	
ROM	XI	12 23 18 42.0–.12	42.53N–.01	18.989E–.01	10	4.6L		
THE	XI	12 23 18 41.2	42.65N	18.99E	0–1	4.1L		
MOS	XI	12 23 18 41.9–1.1	42.57N	18.95E	26	4.4b		
PDG	XI	12 23 18 42.5–.21	42.55N	19.05E	20–0	4.5,4.5L		
NEIC	XI	12 23 18 42.5–.00	42.54N	19.07E	19	4.6b,4.5L		
ISCJB	XI	12 23 18 42.8–.18	42.551N–.01	19.02E–.01	30–1	4.5s,4.4b		
SAR	XI	12 23 18 43.1–.22	42.56N	19.09E	9–1	4.6L,4.4b		
BEO	XI	12 23 18 43.3–.30	42.55N	19.07E	12–2	4.2L,4.4b		
PRU	XI	12 23 18 44.9–.00	42.65N	19.23E	0	4.6,4.4b		
GFZ	XI	12 23 18 44.0	42.51N	19.04E	10	4.6L,4.4b		
LDG	XI	12 23 18 45.1–.20	42.49N	19.04E	15	4.6L,4.4b		
IDC	XI	12 23 18 47.4–1.2	42.60N	19.02E	59–11	4.2,4.0		

ISC Event type fe.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=333.0.
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=109.7.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
NEIC Event type fe. Felt [IV] at Podgorica and [III] at Kotor. Also felt at Budva and Tivat. Felt at Metkovic, Croatia. After PDG. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}5.70 $M_{\theta\theta}$-4.76 $M_{\phi\phi}$-0.93 $M_{r\theta}$0.63 $M_{\theta\phi}$2.13 $M_{\phi r}$-1.20 Best double couple: NP1:ϕ_s122.00000°,δ51.00000°,λ100.00000°. NP2:ϕ_s286.00000°,δ40.00000°,λ78.00000°. Principal axes: T 5.9100,Plg80.0000°,Azm81.0000°; N -0.1000,Plg8.0000°,Azm296.0000° ; P -5.8100,Plg5.0000°,Azm205.0000° $M_0$5.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=138.6.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=27.0.
IDC Error ellipse: s-maj=9.3km s-min=7.8km az=127.0.

PDG	**XI**	**13 08 54 56.0–.15**	**42.55N**	**19.05E**	**20–0**	**1.6L**		
SAR	XI	13 08 54 57.0–.47	42.54N	19.05E	8–4	1.6L	¶601991864	

PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.

ISC	**XI**	**13 23 24 09.0–.28**	**42.58N–.01**	**18.99E–.02**	**13**	**4.4b,3.9s**	**790**	**0-124**
TIR	XI	13 23 24 07.8	42.67N	18.96E	25	4.5,3.9s	¶603912226	
ISCJB	XI	13 23 24 08.6–.09	42.575N–.01	18.96E–.01	13	4.4b,3.9s		
THE	XI	13 23 24 08.9	42.71N	18.70E	26–11	4.1L,3.9s		
MOS	XI	13 23 24 09.7–1.2	42.53N	18.93E	31	4.3b,3.9s		
ROM	XI	13 23 24 09.7–.11	42.52N–.01	18.961E–.01	10	4.5L,3.9s		
LDG	XI	13 23 24 10.2–.14	42.54N	19.16E	10	4.5L,3.9s		
NEIC	XI	13 23 24 10.0–.00	42.55N	19.02E	17	4.5L,4.5L		
PDG	XI	13 23 24 10.4–.21	42.55N	19.02E	17–0	4.5,4.5L		
SAR	XI	13 23 24 10.8–.22	42.56N	19.07E	9–1	4.7L,4.5L		
BEO	XI	13 23 24 11.3–.50	42.57N	19.08E	14–2	4.1L,4.5L		
PRU	XI	13 23 24 11.7–.00	42.63N	19.21E	0	4.6,4.5L		
IDC	XI	13 23 24 13.8–1.2	42.60N	18.99E	52–12	4.1,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.2km s-min=1.0km az=138.1.
THE Event type ke. Error ellipse: s-maj=13.6km s-min=1.5km az=314.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=106.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=16.0.
NEIC Event type fe. Felt [II] at Podgorica. Also felt at Bar, Budva and Niksic. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=8.3km az=136.0.

ISC	**XI**	**13 23 57 20.3–.78**	**42.56N–.02**	**19.01E–.02**	**16–5**		**89**	**0-4**
IASPE	XI	13 23 57 20.1–.82	42.56N–.02	19.01E–.02	17–5		¶601991913	
ISCJB	XI	13 23 57 20.3–.28	42.54N–.02	18.99E–.03	20–2			
SAR	XI	13 23 57 20.1–.26	42.55N	19.03E	10–2	2.6L		
BEO	XI	13 23 57 20.1–.80	42.56N	18.96E	8–3	2.5L		
PDG	XI	13 23 57 20.0–.12	42.55N	19.02E	17–0	2.7,2.7L		

ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=66.9. GT5 selection from ISC bulletin. GT5 identified by Bondˇjr and McLaughlin (2009) selection criteria. Bondˇjr and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=3.8.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.3km az=0.0.

ISC	**XI**	**14 02 48 33.7–1.0**	**44.49N–.02**	**17.79E–.02**	**9–8**		**87**	**0-5**
SAR	XI	14 02 48 33.4–.22	44.47N	17.78E	4–1	2.5L	¶601901918	
BEO	XI	14 02 48 33.7–.40	44.44N	17.67E	9–3	2.4L		
ISCJB	XI	14 02 48 34.1–.56	44.51N–.02	17.79E–.03	16–5	2.4L		
PRU	XI	14 02 48 35.6–.00	44.54N	17.81E	10	2.4L		
VIE	XI	14 02 48 38.0–.93	44.78N	17.70E	8	2.2b,2.2L		

ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=41.8.
VIE Error ellipse: s-maj=9.0km s-min=7.7km az=50.0. 49 km SSW of Slavonski Brod .

ISC	**XI**	**17 13 28 50.0–1.1**	**44.66N–.02**	**15.91E–.02**	**3–10**		**93**	**0-5**
SAR	XI	17 13 28 52.3–.37	44.63N	15.79E	3–2	2.8L	¶601992505	
PRU	XI	17 13 28 53.9–.00	44.81N	15.95E	3	2.8L		
BEO	XI	17 13 28 53.8–.40	44.76N	15.86E	2–3	2.6L		

ISC Event type ke.
BEO Event type ke.

ISC	**XI**	**17 16 27 01.1–1.2**	**45.00N–.04**	**14.78E–.06**	**10–13**		**12**	**0-1**
							¶607280738	

ISC Event type ke.

ISC	**XI**	**18 21 01 37.6–1.0**	**42.18N–.02**	**20.14E–.01**	**5–9**		**135**	**0-8**
SIK	XI	18 21 01 36.9–.63	42.17N–.04	20.13E–.03	0	2.9L	¶606794639	
ISCJB	XI	18 21 01 37.4–.27	42.21N–.01	20.14E–.02	5–2	2.9L		
SAR	XI	18 21 01 37.2–.71	42.18N	20.19E	7–3	2.8L		
PDG	XI	18 21 01 37.7–.39	42.19N	20.13E	12–0	3.0,2.9L		
TIR	XI	18 21 01 37.7	42.19N	20.08E	8	2.8,2.9L		
THE	XI	18 21 01 38.1	42.18N	20.23E	0–5	2.6L,2.9L		
SKO	XI	18 21 01 38.1	42.20N	20.12E	17	2.6L,2.9L		
BEO	XI	18 21 01 39.1–.30	42.22N	20.08E	12–3	2.3L,2.9L		

ISC Event type ke.
SIK Error ellipse: s-maj=11.9km s-min=7.2km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=43.4.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=1.5km az=326.0.
BEO Event type ke.

ISC	**XI**	**23 20 04 03.5–1.2**	**43.66N–.03**	**21.16E–.02**	**2–13**		**29**	**0-2**
BEO	XI	23 20 04 03.9–.20	43.66N	21.16E	0	1.5L	¶602042697	

ISC Event type ke.
BEO Event type ke.

PDG	**XI**	**26 03 20 04.6–.11**	**42.56N**	**19.02E**	**20–0**	**1.8,1.7L**		
BEO	XI	26 03 20 05.2–.40	42.55N	19.01E	5	1.5L,1.7L	¶601994483	
SAR	XI	26 03 20 05.4–.30	42.56N	19.04E	6–2	1.6L,1.7L		

PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.2km az=0.0.
BEO Event type ke.

SAR	**XI**	**26 03 21 01.9–.33**	**43.12N**	**18.02E**	**4–3**	**1.6L**		
							¶607167753	
LJU	**XI**	**27 14 52 30.5**	**45.76N**	**14.15E**	**15**	**0.9L**		
							¶603823110	

ISC	**XI**	**28 01 49 46.0–.72**	**42.47N–.01**	**20.08E–.01**	**8–4**	**4.3b,3.9s**	**779**	**0-123**
SAR	XI	28 01 49 43.9–.53	42.39N	20.23E	3–2	4.5L,3.9s	¶606794681	
ISCJB	XI	28 01 49 44.9–.19	42.498N–.01	20.11E–.01	9–1	4.3b,3.6s		
IDC	XI	28 01 49 44.2–.52	42.48N	19.93E	0	4.1,4.1b		
SIK	XI	28 01 49 44.7–.57	42.47N–.05	20.12E–.05	12–11	4.4L,4.1b		
TIR	XI	28 01 49 44.4	42.47N	20.11E	11	4.3,4.1b		
NEIC	XI	28 01 49 45.1–.00	42.47N	20.10E	9	4.3,4.3L		
PDG	XI	28 01 49 45.2–.64	42.48N	20.14E	3–0	4.2,4.2L		
LDG	XI	28 01 49 45.1–.18	42.54N	20.12E	10	4.5L,4.2L		
THE	XI	28 01 49 46.9	42.43N	20.26E	0–2	4.1L,4.2L		
MOS	XI	28 01 49 46.7–.91	42.48N	20.01E	27	4.4b,4.2L		
SKO	XI	28 01 49 46.1	42.46N	20.05E	0	4.3L,3.5		
BEO	XI	28 01 49 46.0–.20	42.50N	20.12E	8–2	4.1L,3.5		
PRU	XI	28 01 49 47.4–.00	42.51N	20.22E	0	4.4,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=138.3.
IDC Error ellipse: s-maj=9.8km s-min=8.0km az=51.0.
SIK Error ellipse: s-maj=17.1km s-min=8.3km az=49.0.
NEIC Event type fe. Felt at Prizren, Kosovo. After PDG. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.99 $M_{\theta\theta}$0.99 $M_{\phi\phi}$0.00 $M_{r\theta}$1.10 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s93.00000°,δ21.00000°,λ-93.00000°. NP2:ϕ_s276.00000°,δ69.00000°,λ-89.00000°. Principal axes: T 1.4900,Plg24.0000°,Azm5.0000° ; N 0.0000,Plg1.0000°,Azm96.0000°; P -1.4900,Plg66.0000°,Azm188.0000° $M_0$1.50000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=3.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=325.0.
MOS Error ellipse: s-maj=4.1km s-min=2.6km az=104.6.
BEO Event type ke.

ISC	**XI**	**28 15 32 53.3–.76**	**41.30N–.02**	**22.42E–.02**	**11–5**	**3.5b**	**208**	**0-43**
ISCJB	XI	28 15 32 51.3–.33	41.34N–.01	22.41E–.02	2–2	3.5b	¶601995055	
SKO	XI	28 15 32 51.6	41.30N	22.40E	20	3.1L,2.5		
ATH	XI	28 15 32 52.4	41.27N	22.43E	21–0	3.3L,2.5		
IDC	XI	28 15 32 52.5–1.1	41.16N	22.29E	0	3.7,3.5		
PDG	XI	28 15 32 52.6–.39	41.30N	22.43E	19–0	3.5L,3.5		
BEO	XI	28 15 32 53.3–.30	41.38N	22.51E	11–2	3.1L,3.5		
THE	XI	28 15 32 53.1	41.27N	22.42E	4–1	3.4L,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=136.4.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=163.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=16.5km s-min=14.1km az=29.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=114.0.

ISC	**XI**	**28 21 14 06.0–1.3**	**42.54N–.03**	**18.44E–.03**	**0–11**		**53**	**0-4**
ISCJB	XI	28 21 14 05.2–.53	42.53N–.02	18.44E–.04	2–3		¶602042734	
SAR	XI	28 21 14 05.5–.42	42.50N	18.42E	3–1	2.6L		
BEO	XI	28 21 14 06.5–.40	42.53N	18.42E	4–2	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=147.1.
BEO Event type ke.

ISC	**XI**	**29 04 26 45.4–1.4**	**45.22N–.04**	**14.64E–.05**	**11–15**		**16**	**0-1**
							¶607280749	

ISC Event type ke.

ISC	**XI**	**29 12 18 13.8–1.0**	**42.48N–.02**	**20.10E–.02**	**4–9**		**81**	**0-2**
TIR	XI	29 12 18 11.1	42.53N	20.18E	3	1.9	¶606794691	
SAR	XI	29 12 18 12.8–.77	42.37N	20.17E	6–4	2.4L		
PDG	XI	29 12 18 13.9–.12	42.47N	20.04E	11–0	2.5,2.4L		
BEO	XI	29 12 18 16.4–.20	42.53N	20.04E	1–2	2.0L,2.4L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.

ISC	**XII**	**01 09 50 21.7–.98**	**41.41N–.02**	**21.03E–.02**	**15–9**		**47**	**0-2**
THE	XII	01 09 50 20.9	41.45N	20.95E	2–2	2.5L	¶602545604	
ATH	XII	01 09 50 21.6	41.38N	21.02E	23–3	2.2L		

SKO XII 01 09 50 21.2 41.41N 21.02E 15 2.5L,1.9
BEO XII 01 09 50 22.5–.50 41.38N 21.04E 5–3 2.0L,1.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.5km az=188.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=203.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
ISC XII 03 01 57 20.1–1.1 44.52N–.02 21.60E–.02 3–10 68 0-3
BEO XII 03 01 57 20.9–.30 44.52N 21.64E 0 1.9L **¶602545624**
BUC XII 03 01 57 21.9–.64 44.64N 21.66E 6–3 2.9
ISC Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=45.0.
ISC XII 03 04 36 01.6–.68 46.23N–.01 14.76E–.01 15–4 3.9b 615 0-68
VIE XII 03 04 36 00.8–.19 46.23N 14.78E 4 4.3L,3.9b **¶601995908**
PDG XII 03 04 36 00.7–.50 46.20N 14.75E 20–0 3.7L,3.9b
ISCJB XII 03 04 36 00.8–.14 46.221N–.01 14.81E–.01 23–1 3.9b,3.9b
LJU XII 03 04 36 00.6 46.23N 14.78E 14 3.8L,3.9b
NEIC XII 03 04 36 00.0–.00 46.19N 14.78E 8 4.3b,4.1L
ROM XII 03 04 36 00.7–.18 46.190N–.01 14.785E–.01 7–1 4.1L,4.1L
BEO XII 03 04 36 00.5–.30 46.25N 14.82E 5–2 3.7L,4.1L
PRU XII 03 04 36 01.6–.00 46.24N 14.76E 13 4.3,4.1L
LDG XII 03 04 36 01.8–.16 46.22N 14.90E 10 4.0L,4.1L
SAR XII 03 04 36 02.5–.50 46.17N 14.79E 4–2 4.0L,4.1L
BGR XII 03 04 36 02.9–.69 46.25N 14.75E 10 4.4L,4.1L
BNS XII 03 04 36 05.0–.34 46.27N 14.65E 10 4.2L,4.1L
IDC XII 03 04 36 07.9–2.1 46.59N 14.66E 34–18 3.7,3.6
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=127.0. 28 km NE of Ljubljana .
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=21.9.
NEIC Event type fe. Felt [II] at Ljubljana. Also felt at Brezovica, Kranj and Vodice. Felt [II] at Trieste, Italy. Also felt at Klagenfurt, Austria and at Zagreb, Croatia. After ROM.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=155.0.
BGR Event type fe. Error ellipse: s-maj=14.5km s-min=8.9km az=5.0. Felt in Kaernten, Steiermark, Salzburg. Reports of fissures in the plastering. Objects toppled down.
BNS Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=12.4km az=166.0.
ISC XII 03 21 42 38.2–.89 46.07N–.02 14.40E–.02 10–5 64 0-2
ISCJB XII 03 21 42 37.9–.40 46.07N–.02 14.40E–.03 13–3 **¶607215267**
VIE XII 03 21 42 38.4–.69 46.08N 14.43E 7–20 1.5L,1.3b
LJU XII 03 21 42 38.1 46.07N 14.41E 11 1.4L,1.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=22.7.
VIE Error ellipse: s-maj=1.9km s-min=1.6km az=126.0. 5 km W of Ljubljana .
ISC XII 04 18 50 52.2–1.0 42.47N–.02 20.09E–.02 3–9 92 0-4
TIR XII 04 18 50 51.3 42.47N 20.07E 8 2.8 **¶602330081**
SAR XII 04 18 50 51.3–.71 42.43N 20.24E 5–4 2.6L
PDG XII 04 18 50 52.5–.62 42.47N 20.07E 9–1 2.9,2.8L
BEO XII 04 18 50 53.8–.20 42.52N 20.05E 8–3 2.3L,2.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
BEO Event type ke.
ISC XII 05 09 36 52.9–1.3 44.19N–.03 15.78E–.02 7–9 178 0-9
PDG XII 05 09 36 52.4–.23 44.14N 15.77E 4–0 3.5L **¶601996723**
PRU XII 05 09 36 52.6–.00 44.16N 15.83E 0 3.5L
SAR XII 05 09 36 53.3–.43 44.14N 15.80E 6–2 3.5L
LDG XII 05 09 36 53.5–.13 44.07N 15.72E 10 3.5L
BEO XII 05 09 36 54.3–.40 44.18N 15.84E 2 3.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=2.4km az=25.0.
BEO Event type ke.
VIE XII 07 20 08 07.2–.37 46.41N 15.11E 0 1.0L,0.5b
LJU XII 07 20 08 07.1 46.39N 15.07E 0 1.0L,0.5b **¶603833333**
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=1.9km az=9.0. 23 km NNW of Celje . Suspected Mining induced.
LJU Rockburst.
SKO XII 09 20 17 04.4 41.82N 22.90E 5 1.4L,0.7 ¶607296695
ISC XII 13 01 55 34.1–1.1 43.74N–.02 17.64E–.02 3–9 181 1-10
SAR XII 13 01 55 34.3–.24 43.72N 17.61E 3–2 3.1L **¶602043291**
BEO XII 13 01 55 34.3–.60 43.76N 17.66E 0–2 2.8L
LDG XII 13 01 55 35.3–.12 43.77N 17.78E 2 3.0L
PDG XII 13 01 55 35.9–.56 43.78N 17.86E 3–1 3.0L
PRU XII 13 01 55 40.6–.00 44.16N 17.56E 0 3.0L
ISC Event type ke.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=26.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.7km az=0.0.
ISC XII 17 22 43 02.1–1.2 43.12N–.03 17.18E–.03 3–10 85 0-7
SAR XII 17 22 43 01.9–.42 43.06N 17.10E 9–2 2.8L **¶602545763**
BEO XII 17 22 43 04.1–.80 43.19N 17.31E 0 2.5L
ISC Event type ke.
BEO Event type ke.
ISC XII 19 15 27 59.1–.82 43.29N–.01 19.29E–.02 13–5 89 0-3
SIK XII 19 15 27 54.2–43 44N–4.0 20E–2.0 5 3.3L **¶602326621**
ISCJB XII 19 15 27 58.7–.26 43.29N–.01 19.30E–.02 10–2 3.3L
PDG XII 19 15 27 59.7–.15 43.27N 19.28E 8–0 2.5,2.4L
IASPE XII 19 15 27 59.2–.84 43.29N–.02 19.29E–.02 12–6 2.5,2.4L
BEO XII 19 15 27 59.8–.30 43.27N 19.28E 0 2.4L,2.4L
SAR XII 19 15 28 00.3–.24 43.31N 19.25E 3–2 2.4L,2.4L
ISC Event type ke.
SIK Error ellipse: s-maj=1105.9km s-min=378.7km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=29.8.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
IASPE Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=118.2. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
BEO Event type ke.
ISC XII 20 17 32 55.6–.94 42.31N–.01 20.11E–.01 6–7 134 0-6
SIK XII 20 17 32 54.9–.65 42.32N–.04 20.09E–.04 6–10 2.8L **¶606859671**
TIR XII 20 17 32 54.1 42.34N 20.14E 5 3.1
IASPE XII 20 17 32 55.6–.93 42.32N–.02 20.10E–.02 8–7 3.1
PDG XII 20 17 32 55.3–.25 42.32N 20.10E 12–0 2.9,2.8L
SAR XII 20 17 32 55.9–.66 42.25N 20.09E 6–3 2.8L,2.8L
THE XII 20 17 32 56.2 42.31N 20.30E 0–6 2.4L,2.8L
SKO XII 20 17 32 56.1 42.35N 20.11E 7 2.4L,2.8L
BEO XII 20 17 32 56.8–.30 42.36N 20.07E 8–3 2.5L,2.8L
ISC Event type ke.
SIK Error ellipse: s-maj=12.3km s-min=10.6km az=141.0.
IASPE Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=42.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=1.4km az=338.0.
BEO Event type ke.
ISC XII 23 10 26 16.0–.83 44.69N–.02 21.76E–.03 12–6 47 0-2
ISCJB XII 23 10 26 15.6–.39 44.63N–.02 21.73E–.04 3–5 **¶602545807**
BUC XII 23 10 26 17.8–.42 44.80N 21.77E 5 2.5
BEO XII 23 10 26 17.5–.40 44.62N 21.78E 0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=16.1.
BUC Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=331.0.
BEO Event type ke.
ISC XII 23 20 31 15.4–.84 41.31N–.02 22.51E–.02 4–5 85 0-5
ATH XII 23 20 31 15.6 41.29N 22.53E 17–2 2.2L **¶602545810**
THE XII 23 20 31 15.9 41.30N 22.54E 3–1 2.1L
SKO XII 23 20 31 15.1 41.32N 22.52E 15 2.5L,1.8
IASPE XII 23 20 31 15.5–.91 41.31N–.02 22.51E–.02 4–6 2.5L,1.8
SOF XII 23 20 31 16.4 41.33N 22.62E 2 2.6,1.8
BEO XII 23 20 31 17.2–.40 41.33N 22.56E 0 2.1L,1.8
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=156.0. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=143.0.
IASPE Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=10.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
BEO Event type ke.
ISC XII 26 04 02 07.0–1.2 45.25N–.04 14.50E–.04 13–10 24 0-1 ¶607290791
ISC Event type ke.
ISC XII 29 01 02 37.5–.79 45.68N–.02 14.26E–.01 11–5 169 0-4
ISCJB XII 29 01 02 37.1–.27 45.67N–.02 14.25E–.02 6–3 **¶603833564**
LJU XII 29 01 02 37.0 45.68N 14.25E 12
ROM XII 29 01 02 37.4–.25 45.67N–.02 14.26E–.01 10 2.5L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 30 03 09 59.9–.87 42.46N–.02 20.06E–.02 8–6 89 0-4
SAR XII 30 03 09 58.6–.73 42.43N 20.21E 4–3 2.6L **¶602326635**
TIR XII 30 03 09 59.2 42.48N 20.08E 5 2.7
PDG XII 30 03 10 00.1–.30 42.46N 20.05E 9–0 2.5,2.5L
BEO XII 30 03 10 01.6–.30 42.50N 20.08E 0 1.9L,2.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC XII 30 13 08 50.0–.93 43.29N–.01 20.96E–.01 8–7 194 0-8
TIR XII 30 13 08 46.7 43.31N 21.04E 1 3.7 **¶602070570**
ISCJB XII 30 13 08 49.0–.28 43.29N–.01 20.98E–.02 1–2 3.7
PDG XII 30 13 08 49.8–.36 43.27N 20.98E 9–0 3.0,3.0L
BEO XII 30 13 08 50.3–.20 43.27N 20.97E 4–1 3.1L,3.0L
SAR XII 30 13 08 50.2–.60 43.31N 21.02E 9–2 3.2L,3.0L
PRU XII 30 13 08 50.6–.00 43.27N 21.05E 8 3.2L,3.0L
THE XII 30 13 08 52.9 43.05N 21.05E 3–1 2.7L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=146.9.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=130.0.

(384) West of Gibraltar.

ISC VII 04 01 32 48.0–2.2 35.88N–.07 9.96W–.08 17–12 243 2-11
CNRM VII 04 01 32 45.9 35.68N 10.10W 0 3.3L **¶601237339**
MDD VII 04 01 32 49.6–1.0 35.77N 10.14W 30 2.7
SFS VII 04 01 32 51.0 35.84N 10.10W 55 3.7L
INMG VII 04 01 32 51.9–1.1 35.90N 9.95W 14–13 2.3L
IGIL VII 04 01 32 51.6 35.90N 10.13W 25 2.4L
CSEM VII 04 01 32 53.4–.30 36.02N 9.84W 30 2.7L
LDG VII 04 01 32 53.6–.71 36.19N 9.71W 30 3.0L
ISC Event type ke.
MDD Error ellipse: s-maj=10.2km s-min=7.1km az=79.0. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=12.0km s-min=2.8km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=50.0.
LDG Event type ke. Error ellipse: s-maj=13.9km s-min=8.9km az=32.0.
ISC VII 10 17 44 06.7–1.2 36.27N–.04 8.37W–.04 35 319 1-17
CNRM VII 10 17 44 02.5 36.06N 8.60W 0 3.5L **¶601258360**
CSEM VII 10 17 44 06.8–.23 36.24N 8.44W 30 3.5L
ISCJB VII 10 17 44 07.5–.51 36.34N–.03 8.26W–.03 35 3.5L
MDD VII 10 17 44 07.9–.90 36.22N 8.48W 40–26 4.3b
IGIL VII 10 17 44 08.1 36.30N 8.45W 11 3.3L
INMG VII 10 17 44 08.2–1.7 36.29N 8.42W 15–7 3.2,3.2L
SFS VII 10 17 44 08.0 36.39N 8.53W 0 3.7L,3.2L
LDG VII 10 17 44 09.1–.20 36.30N 8.42W 40 3.6L,3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.4km az=39.6.
MDD Error ellipse: s-maj=10.4km s-min=4.9km az=48.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=2.3km az=47.0.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=36.0.
ISC VII 12 09 39 18.9–1.4 36.31N–.05 9.92W–.06 30 314 1-10
ISCJB VII 12 09 39 20.2–.57 36.39N–.03 9.78W–.04 30 **¶601268261**
LDG VII 12 09 39 20.3–.85 36.35N 9.59W 10 3.6L
INMG VII 12 09 39 21.9–1.4 36.27N 9.90W 31 3.4L,3.2
SFS VII 12 09 39 21.0 36.42N 9.88W 0 3.3L,3.2
MDD VII 12 09 39 21.5–1.1 36.35N 9.93W 26–23 3.4,3.2
IGIL VII 12 09 39 22.1 36.27N 9.89W 31 3.6L,3.2
CSEM VII 12 09 39 22.0–.28 36.40N 9.82W 30 3.4L,3.2
CNRM VII 12 09 39 23.7 35.71N 9.79W 50 3.9L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=149.9.
LDG Event type ke. Error ellipse: s-maj=16.3km s-min=12.8km az=52.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=78.0.
SFS Event type ke.
MDD Error ellipse: s-maj=23.1km s-min=6.7km az=51.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=55.0.
ISC VII 15 09 10 59.0–1.9 35.34N–.06 9.19W–.06 10 315 2-13
CNRM VII 15 09 10 59.9 35.15N 9.26W 20 3.8L **¶601273560**
MDD VII 15 09 11 02.3–.67 35.23N 9.35W 30 3.4
SFS VII 15 09 11 02.0 35.42N 9.16W 0 3.4L
LDG VII 15 09 11 03.9–.32 35.37N 9.21W 10 3.4L
IGIL VII 15 09 11 03.9 35.28N 9.32W 31 3.4L
INMG VII 15 09 11 04.2–1.5 35.27N 9.31W 31 3.1L,2.8
CSEM VII 15 09 11 06.2–.33 35.50N 9.01W 30 3.4L,2.8
ISC Event type ke.
MDD Error ellipse: s-maj=7.3km s-min=4.0km az=71.0. PRXIMO.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=34.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.6km az=46.0.
ISC VIII 03 10 38 27.0–1.4 36.59N–.05 8.03W–.04 58–12 120 1-7
ISCJB VIII 03 10 38 27.5–.62 36.70N–.03 7.94W–.03 73–5 **¶601518017**
MDD VIII 03 10 38 27.6–.56 36.53N 8.06W 37–13 2.4
CNRM VIII 03 10 38 28.8 36.33N 7.82W 74 2.9L
INMG VIII 03 10 38 28.2–1.1 36.60N 8.05W 20–2 2.4,2.3L
IGIL VIII 03 10 38 29.0 36.65N 8.04W 18 2.3L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=33.2.
MDD Error ellipse: s-maj=6.5km s-min=4.4km az=60.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=44.0.
ISC VIII 05 06 00 04.5–2.5 36.54N–.07 9.89W–.08 16–10 140 1-7
CNRM VIII 05 06 00 05.4 36.28N 9.62W 10 **¶601778004**
MDD VIII 05 06 00 06.9–1.1 36.63N 9.77W 0 2.6
INMG VIII 05 06 00 08.5–.88 36.56N 9.79W 15–3 2.3L
IGIL VIII 05 06 00 08.3 36.56N 9.79W 11 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=9.6km s-min=7.9km az=43.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=30.0.
ISC IX 23 12 17 19.1–1.9 34.65N–.07 8.72W–.10 10 59 2-6
CNRM IX 23 12 17 22.9 34.16N 8.74W 2 1.8L **¶601737054**
IGIL IX 23 12 17 22.6 34.60N 8.88W 31 1.7L
INMG IX 23 12 17 23.4–1.2 34.60N 8.88W 31 1.9L

MDD IX 23 12 17 24.0–1.7 34.86N 8.67W 3–16 3.3b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=69.0.
MDD Error ellipse: s-maj=22.6km s-min=8.1km az=66.0. PRXIMO.
ISC X 14 01 20 13.4–2.4 36.47N–.08 9.84W–.08 10 130 1-7
CNRM X 14 01 20 13.9 36.31N 9.71W 89 2.9L **¶601833182**
MDD X 14 01 20 16.4–.92 36.41N 9.91W 40 2.5
SFS X 14 01 20 16.0 36.45N 9.91W 30 2.8L
IGIL X 14 01 20 17.3 36.49N 9.76W 10 2.4L
INMG X 14 01 20 17.5–1.4 36.49N 9.78W 14–5 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=9.4km s-min=6.7km az=90.0. PRXIMO.
SFS SW. CABO DE. SAN VICENTE.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=48.0.
ISC XI 05 05 25 40.1–2.3 35.43N–.10 8.74W–.08 10 84 2-7
CNRM XI 05 05 25 40.4 34.79N 8.94W 10 3.5L **¶601871362**
MDD XI 05 05 25 41.6–1.5 35.48N 8.78W 0 2.2
INMG XI 05 05 25 41.1–1.5 35.20N 8.93W 31–17 2.2L
ISCJB XI 05 05 25 42.4–.98 35.58N–.05 8.57W–.05 10 2.2L
IGIL XI 05 05 25 42.3 35.50N 8.77W 0 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=13.4km s-min=8.9km az=40.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.8km s-min=6.9km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=37.8.
ISC XI 17 18 06 24.9–2.3 36.51N–.07 9.65W–.07 4–11 124 1-10
CNRM XI 17 18 06 00.7 36.81N 9.90W 400 3.5L **¶601909920**
MDD XI 17 18 06 27.2–1.2 36.52N 9.72W 0 2.9
INMG XI 17 18 06 29.4–1.4 36.45N 9.68W 15–6 2.6L
IGIL XI 17 18 06 29.5 36.45N 9.68W 15 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=10.0km s-min=8.5km az=37.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=84.0.
ISC XI 21 15 16 59.5–2.4 36.54N–.08 9.67W–.09 32–12 63 1-6
CNRM XI 21 15 16 58.5 36.45N 9.60W 6 2.9L **¶601993484**
MDD XI 21 15 17 01.7–1.5 36.53N 9.69W 40 2.6
IGIL XI 21 15 17 02.6 36.60N 9.60W 19 2.3L
INMG XI 21 15 17 02.6–.93 36.59N 9.61W 20–3 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=13.5km s-min=12.1km az=15.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=64.0.
ISC XI 27 13 40 21.8–1.5 36.55N–.06 8.26W–.04 28–12 103 1-7
MDD XI 27 13 40 22.0–.96 36.48N 8.32W 21–7 3.8b,2.7 **¶601994823**
INMG XI 27 13 40 22.2–1.2 36.49N 8.29W 14–3 2.5L,2.7
IGIL XI 27 13 40 22.5 36.49N 8.32W 16 2.5L,2.7
ISC Event type ke.
MDD Error ellipse: s-maj=10.1km s-min=5.1km az=40.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=2.1km az=49.0.
ISC XII 01 09 45 28.7–2.0 36.31N–.06 9.88W–.07 26–15 147 1-7
SFS XII 01 09 45 31.0 36.40N 9.83W 17 3.4L **¶601995603**
CNRM XII 01 09 45 31.2 36.20N 9.73W 66 3.7L
MDD XII 01 09 45 31.8–1.4 36.30N 9.92W 38–24 3.4
INMG XII 01 09 45 32.5–.99 36.27N 9.85W 31 3.1L,2.5
IGIL XII 01 09 45 32.0 36.25N 9.86W 31 3.3L,2.5
ISC Event type ke.
SFS SW. CABO DE. SAN VICENTE.
MDD Error ellipse: s-maj=15.1km s-min=8.0km az=42.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=72.0.
ISC XII 08 14 06 41.3–4.4 36.5N–.10 9.8W–.10 27–19 40 1-5
MDD XII 08 14 06 42.7–1.9 36.51N 9.81W 42–51 3.9b **¶602032192**
INMG XII 08 14 06 43.4–1.1 36.58N 9.70W 15–5 1.3L
IGIL XII 08 14 06 43.2 36.60N 9.74W 14 1.1L
ISC Event type ke.
MDD Error ellipse: s-maj=17.3km s-min=13.7km az=12.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=6.4km az=124.0.
ISC XII 16 14 19 54.3–1.5 36.74N–.05 8.67W–.05 45–12 73 0-5
CNRM XII 16 14 19 51.0 36.47N 9.11W 24 3.1L **¶602215803**
ISCJB XII 16 14 19 54.7–.89 36.83N–.04 8.60W–.05 62–7 3.1L
MDD XII 16 14 19 56.5–.88 36.80N 8.62W 26–5 2.4
INMG XII 16 14 19 56.7–1.2 36.81N 8.62W 24–4 2.0L,1.7
IGIL XII 16 14 19 56.6 36.79N 8.62W 26 2.0L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=137.1.
MDD Error ellipse: s-maj=9.5km s-min=5.9km az=46.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=2.7km az=55.0.

(385) Strait of Gibraltar.

ISC VII 19 09 25 07.8–1.4 35.17N–.04 3.10W–.04 21–2 100 0-6
CNRM VII 19 09 25 04.6 34.95N 2.82W 29 2.7L **¶603288619**
CSEM VII 19 09 25 07.8–.38 35.11N 3.05W 20 2.4L
MDD VII 19 09 25 07.1–.94 35.02N 3.10W 12–7 3.5b
ISCJB VII 19 09 25 08.1–.59 35.18N–.04 3.08W–.05 28–4 3.5b
SFS VII 19 09 25 09.0 35.27N 3.22W 0 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=129.0.
MDD Error ellipse: s-maj=15.2km s-min=6.1km az=124.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=136.3.
SFS Event type ke.
ISC VII 21 01 06 00.6–1.2 35.89N–.03 4.70W–.02 81–7 254 1-8
CNRM VII 21 01 06 00.9 35.69N 4.50W 5 2.1L **¶601453737**
ISCJB VII 21 01 06 01.1–.40 35.97N–.02 4.77W–.02 79–4 2.1L
IGIL VII 21 01 06 01.6 35.97N 4.66W 18 2.5L
MDD VII 21 01 06 02.8–.41 35.89N 4.67W 66–6 3.3b
CSEM VII 21 01 06 02.4–.16 35.92N 4.74W 60 3.3b
SFS VII 21 01 06 03.0 35.93N 4.66W 0 3.5L
INMG VII 21 01 06 03.1–1.3 35.91N 4.76W 50–6 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=174.9.
MDD Error ellipse: s-maj=3.8km s-min=3.2km az=27.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=15.0.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=8.0.
CNRM VII 22 20 40 42.4 35.60N 6.69W 5
CSEM VII 22 20 40 42.4 35.60N 6.69W 5 **¶605475320**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VIII 08 02 36 33.5–1.4 36.59N–.06 4.58W–.03 70–7 105 0-6
ISCJB VIII 08 02 36 34.5–.60 36.71N–.04 4.65W–.02 64–6 **¶601531854**
SFS VIII 08 02 36 34.0 36.47N 4.60W 10 5.9L
MDD VIII 08 02 36 34.5–.69 36.48N 4.60W 56–4 2.6b
IGIL VIII 08 02 36 35.4 36.48N 4.61W 57 1.6L
INMG VIII 08 02 36 36.9–.89 36.69N 4.75W 20 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.2km az=173.5.
SFS FIJI.
MDD Error ellipse: s-maj=7.9km s-min=3.5km az=169.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=154.0.
ISC VIII 13 13 13 09.9–1.3 35.04N–.04 4.60W–.04 62–13 85 1-5
CNRM VIII 13 13 13 08.1 35.02N 4.59W 86 2.5L **¶601555993**
ISCJB VIII 13 13 13 10.3–.66 35.14N–.04 4.66W–.04 54–14 2.5L
MDD VIII 13 13 13 10.7–.65 35.02N 4.51W 68–9 3.4b
IGIL VIII 13 13 13 11.4 34.99N 4.50W 68 2.1L
INMG VIII 13 13 13 13.1–.74 35.26N 4.82W 5 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=171.3.
MDD Error ellipse: s-maj=6.5km s-min=4.4km az=20.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=154.0.
ISC VIII 17 23 41 60.0–1.3 35.25N–.03 5.09W–.04 10 61 1-6
MDD VIII 17 23 42 03.3–.62 35.17N 5.11W 78–6 2.6b **¶601778035**
CNRM VIII 17 23 42 03.3 35.08N 5.22W 81 1.6L
INMG VIII 17 23 42 04.1–.89 35.20N 5.21W 31 1.8L
SFS VIII 17 23 42 04.0 35.26N 5.08W 85 2.2L
IGIL VIII 17 23 42 04.9 35.20N 5.18W 31 1.9L

ISC Event type ke.
MDD Error ellipse: s-maj=7.1km s-min=4.7km az=93.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.2km az=58.0.
SFS BOU AHMED. (MARRUECOS).
ISC IX 04 00 29 54.4–1.6 36.58N–.07 4.46W–.03 81–10 62 0-4
ISCJB IX 04 00 29 55.3–.74 36.70N–.05 4.52W–.03 77–7 **¶601673038**
SFS IX 04 00 29 55.0 36.57N 4.44W 75 2.5L
MDD IX 04 00 29 56.1–.87 36.59N 4.45W 74–10 2.5b
INMG IX 04 00 29 56.5–1.3 36.64N 4.50W 74–9 1.7L
IGIL IX 04 00 29 56.7 36.59N 4.45W 74 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.9km az=175.2.
SFS TORREMOLINOS. (MALAGA).
MDD Error ellipse: s-maj=9.0km s-min=4.6km az=176.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=178.0.
ISC IX 05 15 43 21.8–1.0 35.07N–.03 3.83W–.02 19–2 112 0-6
CNRM IX 05 15 43 20.5 35.01N 3.82W 10 3.5L **¶601675880**
SFS IX 05 15 43 20.0 35.00N 3.88W 2.5L
INMG IX 05 15 43 21.3–1.8 35.11N 3.88W 0 2.8L
ISCJB IX 05 15 43 22.7–.47 35.12N–.02 3.96W–.03 26–3 2.8L
MDD IX 05 15 43 22.1–.38 35.05N 3.79W 11–3 2.6
ISC Event type ke.
SFS NW. EL ARBA DE. TAOURIRT (MARR.).
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=27.0.
MDD Error ellipse: s-maj=3.0km s-min=2.8km az=7.0. PRXIMO.
ISC IX 05 15 45 31.0–.98 35.07N–.03 3.83W–.02 18–4 122 0-7
SFS IX 05 15 45 30.0 35.00N 3.87W 2.4L **¶601869186**
MDD IX 05 15 45 30.6–.70 34.98N 3.85W 6–4 2.8
INMG IX 05 15 45 30.8–1.7 34.86N 3.80W 31 2.9L
CNRM IX 05 15 45 31.2 35.11N 3.77W 10 3.3L
ISCJB IX 05 15 45 32.5–.41 35.19N–.02 3.94W–.03 23–3 3.3L
ISC Event type ke.
SFS NW EL ARBA DE. TAOURIRT (MARR.).
MDD PRXIMO.
INMG Event type ke.
ISCJB Event type ke.
ISC IX 05 19 41 46.1–1.1 35.06N–.03 3.88W–.04 19–2 38 0-5
SFS IX 05 19 41 42.0 34.90N 3.91W 2.2L **¶604014554**
MDD IX 05 19 41 45.2–.79 34.96N 3.86W 7–5 2.3
CNRM IX 05 19 41 46.7 35.13N 3.79W 10 2.5L
ISCJB IX 05 19 41 47.8–.70 35.15N–.03 4.03W–.05 24–4 2.5L
ISC Event type ke.
SFS SW. EL ARBA DE. TAOURIRT (MARR.).
MDD PRXIMO.
ISCJB Event type ke.
ISC IX 06 04 24 49.3–.55 36.69N–.02 2.85W–.01 14–3 199 0-12
SFS IX 06 04 24 50.0 36.60N 2.90W 3.3L **¶601676729**
MDD IX 06 04 24 50.5–.29 36.61N 2.91W 0 3.3
LDG IX 06 04 24 50.0–.19 36.62N 2.88W 2 3.1L
IGIL IX 06 04 24 50.7 36.61N 2.92W 2 3.1L
INMG IX 06 04 24 51.1–1.8 36.61N 2.96W 0 3.2L
CNRM IX 06 04 24 53.5 36.55N 2.87W 44 3.5L
ISC Event type ke.
SFS ALBORAN NORTE.
MDD Error ellipse: s-maj=3.0km s-min=2.3km az=127.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=158.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=147.0.
ISC IX 06 20 29 51.6–1.3 35.01N–.03 5.08W–.03 12–10 78 1-6
INMG IX 06 20 29 51.9–1.3 34.96N 5.14W 5–5 2.0L **¶601836707**
SFS IX 06 20 29 52.0 35.04N 5.08W 1.8L
MDD IX 06 20 29 52.7–.91 34.99N 5.16W 7–7 2.1
IGIL IX 06 20 29 52.0 34.93N 5.21W 0 2.0L
CNRM IX 06 20 29 53.3 35.05N 5.18W 61 2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=82.0.
SFS E. BAB TAZA. (MARRUECOS).
MDD Error ellipse: s-maj=5.6km s-min=3.7km az=72.0. PRXIMO.
ISC IX 07 18 10 51.7–.91 36.93N–.02 3.65W–.02 14–7 191 0-8
CNRM IX 07 18 10 52.0 36.80N 3.52W 132 3.1L **¶601692037**
SFS IX 07 18 10 52.0 36.92N 3.70W 2.9L
MDD IX 07 18 10 52.4–.19 36.90N 3.72W 0 3.0
IGIL IX 07 18 10 52.8 36.91N 3.73W 2 3.0
INMG IX 07 18 10 53.2–1.4 36.93N 3.68W 0 2.8L
LDG IX 07 18 10 53.1–.27 36.84N 3.71W 2 3.5L
ISC Event type ke.
SFS ALBUUELAS. (GRANADA).
MDD Error ellipse: s-maj=2.6km s-min=1.5km az=34.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=19.0.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=3.1km az=173.0.
ISC IX 08 01 39 25.2–1.2 35.46N–.04 6.10W–.03 35 150 1-9
CNRM IX 08 01 39 22.9 35.20N 6.42W 10 2.2L **¶601836715**
ISCJB IX 08 01 39 26.8–.59 35.62N–.04 6.10W–.03 35 2.2L
MDD IX 08 01 39 26.6–.45 35.37N 6.12W 46–14 3.6b
IGIL IX 08 01 39 26.8 35.37N 6.14W 40 2.4L
SFS IX 08 01 39 27.0 35.53N 6.12W 25 2.3L
INMG IX 08 01 39 27.6–1.5 35.39N 6.13W 31–11 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.8km az=12.8.
MDD Error ellipse: s-maj=4.9km s-min=4.1km az=52.0. PRXIMO.
SFS GOLFO DE CADIZ.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=4.0.
CNRM IX 16 00 13 49.5 35.27N 4.05W 44
¶606634163
ISC IX 20 04 04 31.8–1.2 36.69N–.03 4.56W–.03 91–7 124 0-7
CNRM IX 20 04 04 31.9 36.62N 4.62W 88 2.1L **¶601731985**
ISCJB IX 20 04 04 32.2–.40 36.74N–.02 4.64W–.02 82–5 2.1L
MDD IX 20 04 04 33.9–.46 36.68N 4.57W 78–8 2.8b
SFS IX 20 04 04 34.0 36.71N 4.56W 2.6L
INMG IX 20 04 04 34.1–1.7 36.77N 4.58W 81–5 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=165.2.
MDD Error ellipse: s-maj=3.9km s-min=3.2km az=146.0. PRXIMO.
SFS ALHAURIN DE LA TORR. (MALAGA).
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=12.0.
ISC IX 30 00 45 42.3–1.3 35.32N–.05 4.02W–.08 12 13 2-4
ISCJB IX 30 00 45 41.7–1.1 35.34N–.07 3.9W–.10 12 **¶604014746**
MDD IX 30 00 45 45.0–.71 35.35N 4.04W 45–65 3.2b
CNRM IX 30 00 45 44.3 35.05N 3.98W 6 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=6.8km az=26.5.
MDD Error ellipse: s-maj=13.5km s-min=7.2km az=88.0. PRXIMO.
CNRM X 06 07 49 46.7 35.30N 4.19W 65 1.5L
¶606632063
ISC X 07 11 10 50.9–.93 35.27N–.09 4.15W–.03 17–9 103 0-8
ISCJB X 07 11 10 50.5–.48 35.39N–.05 4.20W–.03 11–6 **¶601868839**
CNRM X 07 11 10 50.4 35.34N 4.05W 10 3.0L
INMG X 07 11 10 51.3–1.3 35.20N 4.18W 10 2.5L
IGIL X 07 11 10 52.9 35.24N 4.06W 36 2.5L
MDD X 07 11 10 53.1–.86 35.22N 4.07W 36–1 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=0.7.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=4.2km az=16.0.
MDD Error ellipse: s-maj=11.2km s-min=4.5km az=10.0. PRXIMO.
ISC X 12 11 33 34.0–1.4 36.54N–.05 4.47W–.03 92–9 104 1-7
CNRM X 12 11 33 33.9 36.40N 4.74W 22 **¶601829120**
ISCJB X 12 11 33 35.0–.60 36.68N–.03 4.54W–.02 89–6
MDD X 12 11 33 35.6–.73 36.51N 4.47W 77–9 2.8b
INMG X 12 11 33 35.9–1.7 36.57N 4.50W 70–7 2.0L
IGIL X 12 11 33 35.7 36.51N 4.48W 76 1.9L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.1km az=170.2.
MDD Error ellipse: s-maj=7.3km s-min=4.1km az=172.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=177.0.
ISC X 15 08 30 39.0–1.3 35.05N–.07 4.79W–.03 10 46 1-5
CNRM X 15 08 30 35.8 34.56N 4.58W 80 **¶601868851**
INMG X 15 08 30 37.2–1.8 34.68N 4.82W 31–18 2.1L
ISCJB X 15 08 30 38.1–1.1 35.04N–.06 4.93W–.04 10 2.1L
IGIL X 15 08 30 38.1 34.66N 4.87W 23 2.2L
MDD X 15 08 30 39.0–.59 35.01N 4.75W 0 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=4.1km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=7.1.
MDD Error ellipse: s-maj=7.7km s-min=4.4km az=32.0. PRXIMO.
ISC X 17 05 50 42.3–1.4 36.81N–.05 4.21W–.03 67–8 114 0-6
CNRM X 17 05 50 39.3 36.76N 4.20W 0 **¶601837366**
ISCJB X 17 05 50 43.4–.54 36.93N–.04 4.29W–.03 60–6
SFS X 17 05 50 44.0 36.85N 4.21W 55 3.1L
IGIL X 17 05 50 44.9 36.85N 4.21W 55 2.3L
MDD X 17 05 50 44.5–.62 36.83N 4.22W 54–7 3.1b
INMG X 17 05 50 44.3–1.5 36.83N 4.25W 52–8 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.5km az=172.0.
SFS CUTAR. (MALAGA).
MDD Error ellipse: s-maj=8.1km s-min=4.0km az=3.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=2.0.
ISC X 20 19 43 47.1–1.8 36.26N–.08 4.58W–.04 71–22 54 1-4
ISCJB X 20 19 43 47.7–.85 36.36N–.06 4.63W–.04 74–14 **¶601839796**
INMG X 20 19 43 48.5–1.1 36.26N 4.59W 50 1.7L
MDD X 20 19 43 48.6–1.1 36.24N 4.57W 58–30 3.6b
IGIL X 20 19 43 49.2 36.26N 4.60W 31 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.0km az=177.6.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=8.0.
MDD Error ellipse: s-maj=12.6km s-min=6.1km az=1.0. PRXIMO.
ISC X 21 11 15 07.0–.81 35.08N–.04 5.75W–.03 66–9 216 0-28
IDC X 21 11 15 01.8–3.4 35.14N 6.03W 0 3.8L,3.6 **¶601839953**
CNRM X 21 11 15 04.1 35.23N 6.18W 33 4.0L,3.6
IGIL X 21 11 15 08.6 35.07N 5.75W 20 3.2L,3.6
INMG X 21 11 15 09.1–1.6 35.11N 5.71W 31–9 3.1L,3.6
MDD X 21 11 15 09.3–.48 35.07N 5.71W 67–12 3.9b,3.6
SFS X 21 11 15 09.0 35.12N 5.71W 29 3.3L,3.6
LDG X 21 11 15 10.3–.24 35.15N 5.72W 20 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=92.6km s-min=17.9km az=86.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=5.0.
MDD Error ellipse: s-maj=5.1km s-min=3.8km az=64.0. PRXIMO.
SFS KSAR EL KEBIR. (MARRUECOS).
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=4.0.
ISC X 22 06 14 32.0–2.3 35.46N–.04 3.60W–.05 7–18 17 1-4
CNRM X 22 06 14 35.3 35.58N 3.39W 17 **¶601840582**
MDD X 22 06 14 35.6–.49 35.52N 3.54W 0 3.0b
ISC Event type ke.
MDD Error ellipse: s-maj=7.0km s-min=3.6km az=42.0. PRXIMO.
ISC X 25 06 11 23.2–.98 35.27N–.03 4.06W–.02 17–7 169 0-8
INMG X 25 06 11 23.8–1.6 35.18N 4.10W 13–10 2.8L **¶601846855**
SFS X 25 06 11 23.0 35.20N 4.00W 3.2L
ISCJB X 25 06 11 23.6–.42 35.31N–.02 4.11W–.02 22–4 3.2L
MDD X 25 06 11 23.6–.29 35.28N 4.09W 0 3.0
CNRM X 25 06 11 24.1 35.30N 4.13W 19 3.0
IGIL X 25 06 11 24.9 35.16N 4.18W 7 2.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=169.0.
SFS ALHUCEMAS. (MARRUECOS).
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=168.3.
MDD Error ellipse: s-maj=3.4km s-min=2.8km az=179.0. PRXIMO.
ISC X 27 06 10 07.4–1.4 36.86N–.06 4.23W–.03 67–9 50 0-4
ISCJB X 27 06 10 07.3–.70 36.92N–.05 4.28W–.03 67–7 **¶601852492**
SFS X 27 06 10 08.0 36.87N 4.26W 57 3.0L
INMG X 27 06 10 08.6–1.8 36.87N 4.25W 60–9 2.1L
MDD X 27 06 10 09.1–.67 36.87N 4.23W 59–7 2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.9km az=169.0.
SFS COMORES. (MALAGA).
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=4.0.
MDD Error ellipse: s-maj=8.1km s-min=4.5km az=5.0. PRXIMO.
ISC X 29 07 31 31.8–1.1 36.42N–.04 3.28W–.04 9 22 1-4
ISCJB X 29 07 31 31.0–.81 36.42N–.05 3.30W–.06 9 **¶603385279**
MDD X 29 07 31 32.8–.40 36.45N 3.22W 0 2.3
CNRM X 29 07 31 33.3 36.36N 3.19W 5 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.4km az=8.6.
MDD Error ellipse: s-maj=4.6km s-min=3.1km az=73.0. PRXIMO.
ISC X 31 22 39 41.7–.95 35.09N–.03 3.84W–.02 25–7 110 0-7
SFS X 31 22 39 40.0 34.80N 3.70W 25 2.9L **¶601867035**
CNRM X 31 22 39 40.2 35.11N 3.87W 10 2.9L
MDD X 31 22 39 41.3–.31 35.11N 3.85W 0 2.5
ISCJB X 31 22 39 42.0–.39 35.15N–.02 3.88W–.02 28–3 2.5
INMG X 31 22 39 43.3–1.4 35.01N 3.79W 31 2.3L
ISC Event type ke.
SFS EL ARBA DE. TAOURIT (MARRUECOS).
MDD Error ellipse: s-maj=3.4km s-min=2.9km az=4.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=143.2.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=3.6km az=180.0.
ISC XI 01 22 55 42.3–2.9 35.47N–.03 6.13W–.03 7–21 133 1-9
CNRM XI 01 22 55 41.6 35.39N 6.31W 10 2.3L **¶602031566**
IGIL XI 01 22 55 47.2 35.40N 6.08W 26 2.5L
MDD XI 01 22 55 48.7–1.1 35.46N 6.13W 57–18 3.3b
SFS XI 01 22 55 48.0 35.69N 6.09W 2.4L
INMG XI 01 22 55 48.3–1.7 35.39N 6.10W 31–11 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=11.0km s-min=5.1km az=8.0. PRXIMO.
SFS GOLFO DE CADIZ.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=75.0.
ISC XI 02 21 13 39.2–1.3 35.09N–.03 4.53W–.03 84–8 87 0-5
CNRM XI 02 21 13 38.1 35.04N 4.58W 10 2.0L **¶601869332**
ISCJB XI 02 21 13 39.2–.47 35.13N–.03 4.61W–.03 81–6 2.0L
INMG XI 02 21 13 40.5–1.8 35.06N 4.56W 83–6 2.3L
MDD XI 02 21 13 41.0–1.2 35.09N 4.48W 71–22 2.6b
SFS XI 02 21 13 41.0 35.08N 4.47W 70 2.7L
IGIL XI 02 21 13 42.2 35.06N 4.56W 83 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=42.9.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=76.0.
MDD Error ellipse: s-maj=12.3km s-min=6.1km az=4.0. PRXIMO.
SFS TORRES DE ALCALA. (MARRUECOS).
ISC XI 11 00 19 19.4–1.3 36.28N–.02 3.70W–.02 25–14 179 1-7
SFS XI 11 00 19 18.0 36.30N 3.73W 3.2L **¶601883757**
CNRM XI 11 00 19 18.5 36.23N 4.05W 5 3.4L
MDD XI 11 00 19 19.0–.32 36.31N 3.71W 0 3.3
LDG XI 11 00 19 19.8–.12 36.28N 3.68W 2 3.0L
INMG XI 11 00 19 19.1–1.6 36.32N 3.73W 2–3 3.1L
IGIL XI 11 00 19 20.3 36.30N 3.73W 9 3.2L
ISC Event type ke.
SFS MAR DE ALBORAN.
MDD Event type fe. Error ellipse: s-maj=3.1km s-min=2.6km az=25.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=20.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=79.0.
ISC XI 18 17 44 56.4–1.4 36.75N–.04 7.15W–.02 34–3 115 1-6
CNRM XI 18 17 44 55.6 36.61N 7.22W 22 2.8L **¶601909959**
INMG XI 18 17 44 56.9–1.4 36.70N 7.24W 14–5 2.4L
MDD XI 18 17 44 57.8–.71 36.72N 7.16W 32–20 2.6
IGIL XI 18 17 44 57.6 36.70N 7.24W 22 2.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=68.0.
MDD Error ellipse: s-maj=9.2km s-min=4.2km az=23.0. PRXIMO.
ISC XI 19 03 47 59.8–1.0 36.51N–.04 5.51W–.03 11–8 41 0-4
MDD XI 19 03 48 00.1–.32 36.50N 5.52W 2–5 1.9 **¶605411923**
SFS XI 19 03 48 00.0 36.49N 5.53W 1.9L
CNRM XI 19 03 48 02.0 36.53N 5.63W 0 3.0L
ISC Event type ke.
MDD Error ellipse: s-maj=4.4km s-min=3.4km az=71.0. PRXIMO.
SFS JIMENA DE LA FTRA. (CADIZ).
ISC XI 21 06 34 59.3–1.2 35.33N–.05 4.06W–.02 1–11 45 0-4
SFS XI 21 06 34 59.0 35.21N 4.04W 2.2L **¶605411949**
MDD XI 21 06 34 59.0–1.3 35.22N 4.05W 0 2.2
CNRM XI 21 06 35 01.5 35.21N 3.98W 84 2.8L
ISC Event type ke.
SFS ALHUCEMAS. (MARRUECOS).
MDD Error ellipse: s-maj=12.6km s-min=5.9km az=15.0. PRXIMO.
ISC XI 21 07 49 28.0–1.1 36.85N–.03 6.99W–.03 35 224 1-12
CNRM XI 21 07 49 28.9 36.76N 7.15W 33 3.3L **¶601993392**
ISCJB XI 21 07 49 29.7–.30 36.99N–.02 6.91W–.02 35 3.3L
SFS XI 21 07 49 29.0 36.70N 7.00W 20 3.6L
IGIL XI 21 07 49 30.7 36.81N 7.07W 30 3.4L
MDD XI 21 07 49 30.4–.40 36.82N 7.05W 40 3.6
INMG XI 21 07 49 31.0–1.5 36.81N 7.06W 30–7 3.6L
LDG XI 21 07 49 31.0 36.85N 7.03W 38 3.6L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.8km az=32.3.
SFS GOLFO DE CADIZ.
MDD Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=29.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=36.0.
LDG Event type ke.
ISC XI 25 11 36 45.1–1.3 36.51N–.03 4.46W–.03 95–8 124 0-6
CNRM XI 25 11 36 43.9 36.50N 4.44W 10 2.1L **¶601994369**
ISCJB XI 25 11 36 45.8–.43 36.58N–.02 4.54W–.03 87–5 2.1L
SFS XI 25 11 36 47.0 36.51N 4.42W 78 2.7L
IGIL XI 25 11 36 47.2 36.52N 4.43W 78 2.3L
MDD XI 25 11 36 47.4–.70 36.51N 4.44W 82–9 2.8b
INMG XI 25 11 36 49.1–1.6 36.56N 4.62W 62–8 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=164.3.
SFS MAR DE ALBORAN.
MDD Error ellipse: s-maj=6.9km s-min=4.3km az=178.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=101.0.
ISC XI 27 08 51 35.7–.97 35.11N–.03 2.92W–.02 18–5 3.9b,3.0s 206 0-150
IDC XI 27 08 51 33.5–.83 35.08N 2.89W 0 4.0L,3.9 **¶601994778**
MDD XI 27 08 51 34.5–.74 35.01N 2.87W 7–2 3.5,3.9
CNRM XI 27 08 51 34.7 35.02N 2.93W 10 4.2L,3.9
IGIL XI 27 08 51 34.5 35.00N 2.89W 6 3.3L,3.9
SFS XI 27 08 51 34.0 34.90N 2.80W 6 3.4L,3.9
CRAAG XI 27 08 51 34.0 35.00N 2.88W 3.6L,3.9
INMG XI 27 08 51 35.6–1.3 35.05N 2.97W 10–3 3.3L,3.9
LDG XI 27 08 51 36.3–.26 35.04N 2.88W 10 3.1L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=15.9km az=121.0.
MDD Event type fe. Error ellipse: s-maj=6.4km s-min=4.8km az=24.0. EMS: II-III INTENSIDAD MAXIMA-ESPAA. PRXIMO.
SFS HASSI BERNAKE. (MARRUECOS).
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=118.0.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=179.0.
ISC XI 27 09 58 41.4–1.1 35.17N–.04 2.93W–.04 24–5 124 0-7
SFS XI 27 09 58 39.0 35.00N 2.80W 6 2.8L **¶601994786**
IGIL XI 27 09 58 39.7 35.00N 2.89W 0 2.8L
CNRM XI 27 09 58 40.8 35.06N 2.94W 10 3.8L
MDD XI 27 09 58 40.1–.95 35.03N 2.84W 7–3 3.1
ISCJB XI 27 09 58 41.0–.58 35.14N–.03 2.93W–.03 28–3 3.1
INMG XI 27 09 58 41.3–1.6 35.07N 2.94W 13–4 2.9L
ISC Event type ke.
SFS KARIET ARKMANE. (MARRUECOS).
MDD Event type fe. Error ellipse: s-maj=7.8km s-min=7.4km az=89.0. EMS: II INTENSIDAD MAXIMA-ESPAA. PRXIMO.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=145.2.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=124.0.
ISC XI 28 00 21 17.7–.99 36.09N–.05 6.17W–.03 10 82 1-5
CNRM XI 28 00 21 17.0 35.76N 6.86W 5 2.5L **¶601994917**
ISCJB XI 28 00 21 18.4–.51 36.18N–.03 6.16W–.03 10 2.5L
INMG XI 28 00 21 20.9–1.2 35.91N 6.20W 31 2.2L
IGIL XI 28 00 21 21.7 36.05N 6.16W 26 2.3L
MDD XI 28 00 21 22.1–1.2 36.06N 6.19W 58–22 3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=14.1.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=3.0km az=11.0.
MDD Error ellipse: s-maj=11.7km s-min=5.0km az=8.0. PRXIMO.
ISC XI 28 20 06 14.5–1.1 35.18N–.04 2.89W–.05 26–5 74 0-21
MDD XI 28 20 06 14.1–1.0 35.05N 2.94W 8–3 2.6 **¶601995103**
SFS XI 28 20 06 14.0 35.18N 2.91W 24 2.7L
CNRM XI 28 20 06 14.8 35.04N 2.82W 20 2.8L
ISCJB XI 28 20 06 15.2–.64 35.21N–.04 3.01W–.05 25–3 2.8L
ISC Event type ke.
MDD PRXIMO.
SFS NADOR. (MARRUECOS).
ISCJB Event type ke.
ISC XII 04 10 19 19.0–1.2 36.54N–.05 4.42W–.03 78–7 84 0-7
CNRM XII 04 10 19 18.9 36.66N 4.20W 89 2.9L **¶601996034**
ISCJB XII 04 10 19 19.2–.63 36.59N–.04 4.48W–.03 74–6 2.9L
SFS XII 04 10 19 19.0 36.40N 4.40W 3.1L
MDD XII 04 10 19 20.0–.87 36.50N 4.41W 75–9 3.1b
INMG XII 04 10 19 19.6–1.6 36.42N 4.38W 69–7 2.2L
IGIL XII 04 10 19 20.3 36.49N 4.44W 71 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.9km az=173.8.
SFS ALBORAN W.
MDD Error ellipse: s-maj=10.0km s-min=4.7km az=178.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=149.0.
ISC XII 04 15 22 05.0–1.4 36.56N–.05 4.41W–.03 77–8 90 0-6
ISCJB XII 04 15 22 06.1–.60 36.69N–.04 4.50W–.03 68–5 **¶601996039**
INMG XII 04 15 22 06.8–1.2 36.57N 4.46W 60–4 2.2L
MDD XII 04 15 22 07.2–.60 36.57N 4.43W 57–5 3.5b
SFS XII 04 15 22 07.0 36.50N 4.40W 3.4L
IGIL XII 04 15 22 07.0 36.57N 4.43W 58 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=165.8.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=162.0.
MDD Error ellipse: s-maj=6.6km s-min=3.2km az=161.0. PRXIMO.
SFS TORREMOLINOS. (MALAGA).
ISC XII 15 22 37 52.7–1.2 36.71N–.03 7.25W–.02 19–3 114 1-6
CNRM XII 15 22 37 50.1 36.45N 7.62W 30 3.0L **¶602215802**
IGIL XII 15 22 37 52.2 36.65N 7.27W 0 2.8L
INMG XII 15 22 37 53.8–1.6 36.66N 7.25W 8–4 2.4L
ISCJB XII 15 22 37 54.3–.68 36.73N–.04 7.20W–.03 30–5 2.4L
MDD XII 15 22 37 54.7–.80 36.71N 7.25W 15–5 2.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.1km az=20.4.
MDD Error ellipse: s-maj=6.9km s-min=3.7km az=23.0. PRXIMO.
ISC XII 17 03 28 06.8–2.1 35.6N–.10 6.83W–.04 76–22 78 1-6
IGIL XII 17 03 28 06.9 35.57N 6.79W 26 1.9L **¶602215806**
INMG XII 17 03 28 08.9–1.3 35.62N 6.86W 31 2.1L

MDD XII 17 03 28 08.9–1.2 35.65N 6.85W 63–34 3.5b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=14.0.
MDD Error ellipse: s-maj=12.8km s-min=5.6km az=11.0. PRXIMO.
ISC XII 18 05 15 40.2–1.7 35.24N–.04 6.01W–.04 33–6 69 0-6
CNRM XII 18 05 15 37.1 35.10N 6.38W 30 2.4L **¶602047009**
IGIL XII 18 05 15 41.7 35.31N 6.11W 10 2.1L
MDD XII 18 05 15 41.1–1.6 35.31N 6.00W 18–25 2.5
INMG XII 18 05 15 42.1–1.1 35.29N 5.99W 31 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=29.4km s-min=6.8km az=180.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=69.0.
ISC XII 19 15 31 03.1–1.6 36.33N–.05 7.78W–.04 25–14 43 1-5
IGIL XII 19 15 31 05.9 36.37N 7.77W 31 1.7L **¶602215811**
INMG XII 19 15 31 05.9–.91 36.37N 7.77W 31 1.7L
MDD XII 19 15 31 06.9–1.6 36.48N 7.75W 26–17 1.7
CNRM XII 19 15 31 07.9 35.97N 7.75W 30 3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=66.0.
MDD Error ellipse: s-maj=14.7km s-min=6.8km az=15.0. PRXIMO.
ISC XII 20 01 48 01.7–1.6 35.68N–.05 4.62W–.05 99–14 39 1-4
CNRM XII 20 01 47 58.6 35.53N 4.61W 140 2.2L **¶602732624**
ISCJB XII 20 01 48 03.4–.96 35.81N–.05 4.71W–.04 90–12 2.2L
MDD XII 20 01 48 04.3–1.2 35.70N 4.62W 78–17 2.6b
INMG XII 20 01 48 05.0–1.3 35.82N 4.60W 89–4 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.7km az=3.1.
MDD Error ellipse: s-maj=8.7km s-min=7.4km az=92.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=121.0.
ISC XII 21 00 23 08.9–.69 36.95N–.02 4.10W–.01 10 266 0-9
ISCJB XII 21 00 23 08.4–.23 37.11N–.02 4.16W–.01 10 **¶602732628**
LDG XII 21 00 23 10.7–.16 36.91N 4.12W 10 3.5L
IGIL XII 21 00 23 11.0 36.90N 4.12W 20 3.1L
CNRM XII 21 00 23 11.9 36.73N 4.20W 76 3.4L
MDD XII 21 00 23 12.7–.23 36.91N 4.11W 30–0 3.8
SFS XII 21 00 23 12.0 36.89N 4.12W 31 3.5L
INMG XII 21 00 23 13.1–2.0 36.90N 4.07W 30–5 3.6L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=2.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=161.0.
MDD Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=177.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
SFS ALCAUCIN. (MALAGA).
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=45.0.
ISC XII 24 05 00 02.3–1.4 36.09N–.03 4.16W–.03 1–11 40 1-4
ISCJB XII 24 05 00 05.2–.84 36.21N–.03 4.15W–.03 1–5 **¶604070215**
MDD XII 24 05 00 07.2–.66 36.26N 4.13W 0
CNRM XII 24 05 00 08.1 36.14N 4.18W 20 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=168.6.
MDD Error ellipse: s-maj=6.4km s-min=3.5km az=2.0. PRXIMO.
ISC XII 25 02 06 01.6–1.6 35.09N–.04 3.88W–.03 11–13 59 1-5
ISCJB XII 25 02 06 02.0–.99 35.11N–.03 3.90W–.03 11–7 **¶604070249**
MDD XII 25 02 06 02.4–.36 35.07N 3.81W 0 2.1
SFS XII 25 02 06 02.0 35.02N 3.80W 2.1L
CNRM XII 25 02 06 03.3 35.13N 3.80W 30 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=150.3.
MDD Error ellipse: s-maj=4.0km s-min=3.1km az=168.0. PRXIMO.
SFS EL ARBA DE TAOURIT. (MARRUECOS).
ISC XII 26 15 59 25.4–1.6 35.97N–.05 7.61W–.04 13–10 78 1-6
CNRM XII 26 15 59 22.9 35.78N 7.99W 81 3.0L **¶602215839**
MDD XII 26 15 59 29.4–1.2 35.93N 7.64W 30–28 2.3
IGIL XII 26 15 59 29.6 36.01N 7.63W 15 1.9L
INMG XII 26 15 59 29.7–1.4 36.03N 7.63W 14–13 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=17.3km s-min=6.3km az=27.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=3.9km az=23.0.

(387) Western Mediterranean Sea.

ISC X 08 13 24 05.5–2.2 37.9N–.10 2.72E–.07 10 51 2-7
ISCJB X 08 13 24 08.1–.79 38.03N–.05 2.53E–.05 10 **¶602778375**
MDD X 08 13 24 09.6–1.6 37.98N 2.51E 0 2.4
LDG X 08 13 24 11.0–.23 38.02N 2.46E 30 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=146.7.
MDD Error ellipse: s-maj=15.8km s-min=8.0km az=140.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.4km az=160.0.
ISC X 10 06 14 41.4–.36 37.02N–.04 4.44E–.03 10 4.5b 502 1-145
IDC X 10 06 14 39.8–.61 36.95N 4.46E 0 4.1,4.1L **¶601819595**
BJI X 10 06 14 39.5 36.79N 4.35E 15 5.0b,5.0b
ISCJB X 10 06 14 40.6–.17 37.13N–.02 4.36E–.02 10 4.4b,5.0b
NEIC X 10 06 14 41.6–.23 36.97N 4.52E 10 4.6b,5.0b
MDD X 10 06 14 41.6–.31 36.98N 4.49E 0 4.7b,5.0b
CRAAG X 10 06 14 41.8 36.99N 4.37E 3.7L,5.0b
LDG X 10 06 14 43.0–.26 36.88N 4.34E 30 4.1L,5.0b
MOS X 10 06 14 46.2–.99 37.37N 4.48E 38 4.7b,5.0b
ISC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=14.1km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=4.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.9km az=168.0.
MDD Error ellipse: s-maj=3.9km s-min=3.5km az=41.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=166.0.
MOS Error ellipse: s-maj=10.0km s-min=3.9km az=87.6.
ISC X 10 06 36 58.2–.86 37.08N–.04 4.35E–.04 10 86 1-10
ISCJB X 10 06 36 57.9–.44 37.18N–.02 4.30E–.04 10 **¶601819596**
MDD X 10 06 36 58.8–.43 37.05N 4.43E 0 4.1b
CRAAG X 10 06 36 58.1 37.00N 4.25E 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=169.9.
MDD Error ellipse: s-maj=7.4km s-min=4.4km az=36.0. PRXIMO.
ISC X 10 07 26 50.5–.69 37.07N–.04 4.48E–.03 10 3.6b 153 1-56
CRAAG X 10 07 26 48.9 37.02N 4.38E 3.6L **¶601997727**
ISCJB X 10 07 26 49.9–.31 37.18N–.02 4.41E–.02 10 3.5b,2.8s
IDC X 10 07 26 49.8–1.4 36.91N 4.56E 0 4.0L,3.5
MDD X 10 07 26 52.2–.40 36.99N 4.45E 0 4.3b,3.5
LDG X 10 07 26 54.8–.40 37.10N 4.23E 30 3.2L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=31.2.
IDC Error ellipse: s-maj=27.9km s-min=26.5km az=67.0.
MDD Error ellipse: s-maj=6.8km s-min=4.1km az=32.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=142.0.
ISC X 10 10 43 18.4–1.3 37.05N–.05 4.46E–.05 10 29 1-6
CRAAG X 10 10 43 18.9 37.13N 4.40E 3.0L **¶601819626**
ISCJB X 10 10 43 19.6–.51 37.12N–.04 4.43E–.07 10 3.0L
MDD X 10 10 43 25.0–2.9 37.31N 4.21E 0 3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.2km az=150.0.
MDD Error ellipse: s-maj=28.2km s-min=22.2km az=117.0. PRXIMO.
ISC X 10 10 47 29.0–.84 37.11N–.04 4.52E–.03 10 94 1-8
ISCJB X 10 10 47 29.4–.37 37.19N–.02 4.38E–.04 10 **¶601819627**
CRAAG X 10 10 47 29.8 37.08N 4.41E 3.6L
MDD X 10 10 47 32.5–1.9 36.97N 4.53E 22–19 4.3b
LDG X 10 10 47 35.7–.27 37.24N 4.13E 30 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=148.9.
MDD Error ellipse: s-maj=7.3km s-min=6.8km az=135.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=136.0.
MDD X 10 11 06 30.9–4.0 37.41N 4.18E 0 3.6b
¶601819628
MDD Error ellipse: s-maj=36.2km s-min=33.6km az=143.0. PRXIMO SIN SOLUCIN.

(389) Tyrrhenian Sea.

ISC VII 12 21 23 01.5–.53 40.68N–.05 13.61E–.05 416–6 3.6b 514 1-82
PDG VII 12 21 22 55.3–.69 40.69N 13.54E 426–4 4.1L **¶601271870**
ROM VII 12 21 22 55.5–.21 40.56N–.01 13.53E–.03 440–1 3.7L
ISCJB VII 12 21 22 60.0–.17 40.65N–.02 13.47E–.02 421–1 3.7b
LDG VII 12 21 22 59.7–.10 40.62N 13.41E 430 3.6,3.4L
MOS VII 12 21 23 01.3–.81 40.72N 13.61E 427 3.9b,3.4L
CSEM VII 12 21 23 01.0–.11 40.67N 13.48E 420–1 3.8b,3.4L
NEIC VII 12 21 23 01.7–.29 40.60N 13.60E 423–4 4.0L,4.0b
IDC VII 12 21 23 01.5–.67 40.70N 13.41E 418–9 4.0,3.3
ISC Event type fe.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=2.1km az=0.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=9.4.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=15.0.
MOS Error ellipse: s-maj=8.8km s-min=4.6km az=61.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=17.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.6km az=218.0. Felt on Isola d'Ischia, Italy.
IDC Error ellipse: s-maj=12.7km s-min=11.0km az=140.0.
ISC VII 26 20 34 09.4–.65 39.51N–.08 14.32E–.06 368–7 3.2b 120 1-49
ROM VII 26 20 34 05.3–.31 39.25N–.02 14.56E–.03 395–2 3.5L **¶601475821**
LDG VII 26 20 34 06.0–.11 39.35N 14.44E 400 3.5L
ISCJB VII 26 20 34 08.3–.37 39.47N–.05 14.29E–.05 377–4 3.1b
IDC VII 26 20 34 09.2–.81 39.51N 14.07E 378–15 3.6,2.9b
CSEM VII 26 20 34 12.4–.68 39.73N 14.07E 389–4 3.1b,2.9b
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=12.2.
IDC Error ellipse: s-maj=26.4km s-min=14.3km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=21.7km s-min=6.7km az=176.0.
LDG VII 28 02 04 39.9–.45 40.81N 11.61E 2 2.6L
¶601614347
LDG Event type ke. Error ellipse: s-maj=18.5km s-min=8.6km az=37.0.
IDC X 09 17 58 50.6–326 39.51N 11.05E 0
¶601997683
IDC Error ellipse: s-maj=128.5km s-min=95.5km az=12.0.

(390) Southern Italy.

ISC VII 03 19 38 57.0–1.1 41.74N–.04 15.96E–.05 18–4 19 0-2
ROM VII 03 19 38 55.3–.25 41.86N–.01 16.01E–.01 18–1 2.2L **¶601263699**
ISCJB VII 03 19 38 56.8–.67 41.78N–.04 15.92E–.07 21–5 2.2L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
ISC VII 09 15 13 43.7–.75 41.86N–.03 12.70E–.02 16–4 120 0-10
IASPE VII 09 15 13 43.3–.83 41.87N–.02 12.72E–.03 16–5 **¶601263753**
ISCJB VII 09 15 13 43.8–.31 41.87N–.02 12.70E–.02 15–2
ROM VII 09 15 13 43.5–.05 41.871N–.00 12.715E–.01 11–0 3.5L
LDG VII 09 15 13 43.2–.16 41.91N 12.77E 10 3.2L
CSEM VII 09 15 13 45.7–.35 41.90N 12.72E 10 3.2L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=48.2. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=168.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=4.1km az=6.0.
ROM VII 15 11 51 31.7–.17 39.633N–.01 16.89E–.01 20–1 1.8
¶602034299
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 15 11 51 56.5–1.1 39.67N–.03 16.86E–.04 13–10 33 0-5
ROM VII 15 11 51 55.4–.17 39.645N–.01 16.90E–.01 25–2 2.8L **¶606544384**
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 29 13 22 47.9–.88 39.02N–.06 15.52E–.08 245–7 3.6b 68 1-31
ISCJB VII 29 13 22 47.4–.50 39.03N–.05 15.5E–.10 251–5 3.6b **¶601484829**
ROM VII 29 13 22 47.8–.30 38.97N–.02 15.51E–.04 244–2 3.1L
IDC VII 29 13 22 48.9–1.6 39.45N 15.38E 215–58 3.4,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=5.4km az=26.7.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=62.6km s-min=27.3km az=7.0.
ROM VIII 01 22 02 42.3–.15 41.19N–.01 14.91E–.01 9–0 1.3L
¶606361092
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 03 04 25 58.7–.14 39.87N–.01 16.154E–.01 9–0 1.6L
¶606361143
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 12 01 21 37.3–.83 41.77N–.03 16.14E–.02 34–2 3.4b 450 0-90
BEO VIII 12 01 21 29.4–.70 41.36N 15.83E 0 4.2L **¶601553237**
ROM VIII 12 01 21 36.8–.18 41.727N–.01 16.25E–.01 29–1 4.2L
LDG VIII 12 01 21 36.9–.11 41.68N 16.15E 20 4.1L
NEIC VIII 12 01 21 36.0–.00 41.77N 16.27E 8 4.1L
PDG VIII 12 01 21 37.1–.69 41.70N 16.20E 29–1 3.9,3.8L
PRU VIII 12 01 21 37.8–.00 41.93N 16.07E 1 3.9,3.8L
IDC VIII 12 01 21 40.6–1.6 41.78N 15.91E 68–19 3.5,3.4
ISC Event type fe.
BEO Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=53.0.
NEIC Event type fe. Felt at Santeramo in Colle. After ROM.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=16.5km s-min=14.2km az=90.0.
ISC VIII 14 08 55 07.0–.40 39.48N–.05 15.44E–.05 300 4.2b 353 0-91
ROM VIII 14 08 55 04.0–.24 39.44N–.01 15.51E–.03 289–1 3.8L **¶606361566**
ISCJB VIII 14 08 55 05.1–.14 39.43N–.02 15.38E–.02 300 4.1b
LDG VIII 14 08 55 05.0–.11 39.45N 15.26E 282 4.1b
NEIC VIII 14 08 55 06.5–.25 39.59N 15.34E 278–2 4.2b
IDC VIII 14 08 55 06.3–.63 39.79N 15.27E 270–11 4.1,3.6
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=27.4.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=36.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=4.0km az=166.0.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=5.0.
ROM VIII 19 02 01 54.4–.26 41.50N–.02 12.984E–.01 9–1 1.4L
¶606361814
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 19 17 45 09.2–.73 39.89N–.02 15.98E–.02 8–4 3.8b,2.9s 226 0-82
ROM VIII 19 17 45 08.3–.09 39.878N–.00 16.008E–.01 8–0 3.7L,2.9s **¶606335080**
LDG VIII 19 17 45 08.0–.11 39.84N 15.99E 2 2.9L,2.9s
ISCJB VIII 19 17 45 09.0–.22 39.89N–.01 16.01E–.02 15–2 3.8b,2.9s
IDC VIII 19 17 45 09.4–1.1 39.92N 15.95E 0 3.8,3.8L
THE VIII 19 17 45 14.8 40.03N 16.23E 31–22 3.5L,3.8L
TIR VIII 19 17 45 21.8 41.31N 16.98E 2 3.9,3.8L

ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=163.0.
IDC Error ellipse: s-maj=17.2km s-min=15.0km az=45.0.
THE Event type ke. Error ellipse: s-maj=22.1km s-min=1.8km az=0.0.
ROM VIII 28 19 39 05.7–.07 40.704N–.00 15.415E–.01 8–0 2.4L
¶606362397

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VIII 28 23 11 25.6–.09 39.898N–.01 16.117E–.01 10–0 1.0L
¶601629768

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 01 14 02 47.0–.83 39.89N–.02 16.00E–.02 4–5 3.9b 115 0-62
ISCJB IX 01 14 02 45.9–.27 39.88N–.02 16.01E–.03 10–2 3.8b,2.9s **¶601670028**
ROM IX 01 14 02 45.5–.08 39.882N–.01 16.002E–.01 8–0 3.4L,2.9s
BEO IX 01 14 02 46.6–1.3 39.84N 16.00E 0 3.5L,2.9s
IASPE IX 01 14 02 47.1–1.0 39.89N–.02 16.01E–.03 3–7 3.9b,2.9s
IDC IX 01 14 02 47.5–1.0 39.91N 15.94E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=1.2.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=67.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
IDC Error ellipse: s-maj=22.9km s-min=12.8km az=121.0.
ROM IX 04 15 22 11.7–.07 41.901N–.00 13.702E–.01 10–0 1.7L
¶606390245

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 05 03 09 12.7–1.0 39.10N–.03 17.17E–.03 25–8 120 0-9
THE IX 05 03 09 11.6 39.06N 17.30E 4–3 **¶606542104**
ROM IX 05 03 09 11.9–.12 39.068N–.01 17.259E–.01 16–1 3.1L
ISCJB IX 05 03 09 12.2–.36 39.18N–.02 17.27E–.03 27–4 3.1L
BEO IX 05 03 09 14.5–.90 39.50N 17.12E 0 3.2L
TIR IX 05 03 09 15.9 39.49N 17.75E 7 4.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.3km az=216.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=43.9.
BEO Event type ke.
ROM IX 05 14 54 15.4–.09 39.885N–.01 16.032E–.01 8–0 1.8L
¶606390295

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 06 02 33 34.2–.14 39.899N–.01 16.04E–.01 10–0 1.6
¶606390347

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 07 12 40 52.9–.80 39.88N–.02 16.00E–.02 7–5 4.0b 117 0-91
IASPE IX 07 12 40 52.7–.93 39.88N–.02 16.00E–.02 7–5 4.0b **¶601692023**
ISCJB IX 07 12 40 52.4–.27 39.87N–.01 16.01E–.02 12–2 4.2s,3.9b
ROM IX 07 12 40 52.2–.10 39.868N–.01 15.996E–.01 6–0 3.4L,3.9b
IDC IX 07 12 40 54.0–1.7 40.09N 15.95E 0 3.9b,3.8
BEO IX 07 12 41 01.4–.90 40.77N 15.97E 0 3.3L,3.8
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=61.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=169.4.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=32.5km s-min=19.9km az=71.0.
BEO Event type ke.
ROM IX 08 18 37 53.4–.11 39.878N–.01 16.01E–.01 8–0 1.5L
¶606390541

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 12 11 32 02.0–.97 39.39N–.02 17.09E–.03 19–2 159 0-9
PDG IX 12 11 32 00.8–.60 39.39N 17.31E 15–1 3.5L **¶601709227**
ISCJB IX 12 11 32 01.6–.37 39.42N–.02 17.18E–.03 19–5 3.5L
ROM IX 12 11 32 01.6–.18 39.373N–.01 17.18E–.02 11 3.2L
BEO IX 12 11 32 07.5–1.1 39.96N 17.00E 8–5 3.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.6km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=159.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC IX 14 03 50 12.2–1.2 39.89N–.02 16.03E–.02 1–8 4.2b 157 0-81
ISCJB IX 14 03 50 11.9–.31 39.91N–.02 16.03E–.02 11–2 4.0b,3.9s **¶601714116**
ROM IX 14 03 50 11.2–.14 39.894N–.01 16.021E–.01 6–1 3.7L,3.9s
BEO IX 14 03 50 12.0–1.0 40.00N 15.73E 5 3.5L,3.9s
IDC IX 14 03 50 13.1–1.1 40.01N 16.11E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=145.5.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=16.4km az=51.0.
ISC IX 22 05 10 36.7–.84 39.72N–.02 16.52E–.03 26–6 3.8b 169 0-47
ISCJB IX 22 05 10 36.0–.23 39.80N–.02 16.56E–.03 23–3 3.6b,2.4s **¶601736495**
ROM IX 22 05 10 35.7–.09 39.788N–.01 16.604E–.01 11 3.4L,2.4s
PDG IX 22 05 10 35.9–.80 39.81N 16.67E 12–1 3.5L,2.4s
IDC IX 22 05 10 36.1–1.3 39.97N 16.71E 0 3.7,3.6
BEO IX 22 05 10 40.1–.70 40.11N 16.80E 5 3.5L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=159.5.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.
IDC Error ellipse: s-maj=18.8km s-min=15.8km az=73.0.
BEO Event type ke.
ISC IX 27 01 08 23.6–.66 41.18N–.02 14.90E–.02 11–4 4.5b 748 0-127
TIR IX 27 01 08 18.4 41.60N 14.98E 10 4.5 **¶606542152**
BJI IX 27 01 08 21.5 41.20N 15.00E 5 5.2s,4.9
MOS IX 27 01 08 22.4–1.1 41.26N 14.96E 12 4.5b,4.9
NEIC IX 27 01 08 22.5–.00 41.17N 14.95E 6 4.6b,4.1L
PDG IX 27 01 08 22.9–.84 41.19N 15.00E 3–1 4.2L,4.1L
LDG IX 27 01 08 22.6–.10 41.19N 15.03E 2 3.7L,4.1L
IDC IX 27 01 08 22.1–.60 41.22N 14.88E 0 4.1,4.1
IASPE IX 27 01 08 22.6–.83 41.18N–.02 14.92E–.02 17–5 4.5b,4.1
ISCJB IX 27 01 08 22.6–.19 41.205N–.01 14.93E–.01 15–2 4.7s,4.4b
ROM IX 27 01 08 22.6–.10 41.176N–.01 14.921E–.01 10–0 4.2L,4.4b
PRU IX 27 01 08 23.7–.00 41.27N 15.18E 0 4.6,4.4b
BEO IX 27 01 08 25.6–.80 41.35N 15.08E 5 4.0L,4.4b
ISC Event type fe.
MOS Error ellipse: s-maj=4.8km s-min=3.5km az=87.1.
NEIC Event type fe. Felt [IV] at Avellino, Ariano Irpino, Benevento, Mirabella Eclano, Paduli, San Marco dei Cavoti and San Nicola Manfredi; [III] at Campobasso, Foggia and Grottaminarda; [II] at Cassino, Naples, Potenza and Salerno. Felt in much of Campania and in parts of Abruzzo, Apulia, Basilicata, Molise and Lazio. After ROM.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=42.0.
IDC Error ellipse: s-maj=11.9km s-min=10.3km az=93.0.
IASPE Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=44.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=43.6.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC IX 27 03 47 59.1–.74 41.15N–.02 14.87E–.02 13–4 3.7b 260 0-62
BEO IX 27 03 47 55.8–.80 41.23N 14.51E 0 3.4L **¶601742261**
ROM IX 27 03 47 58.7–.09 41.161N–.01 14.923E–.01 10–0 3.5L
IASPE IX 27 03 47 58.7–.84 41.15N–.02 14.91E–.03 17–5 3.7b
ISCJB IX 27 03 47 58.4–.23 41.15N–.01 14.81E–.02 18–2 3.6b
LDG IX 27 03 47 58.8–.07 41.18N 14.97E 2 3.3L
PDG IX 27 03 47 59.5–.56 41.18N 14.97E 8–0 3.4L
IDC IX 27 03 47 59.2–1.0 41.43N 14.73E 0 3.8,3.7
ISC Event type ke.
BEO Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=51.5. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=42.4.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=25.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=20.4km s-min=12.8km az=91.0.
ISC IX 27 08 35 41.7–.70 41.15N–.02 14.88E–.02 13–4 4.0b,2.9s 252 0-62
LDG IX 27 08 35 39.9–.06 41.16N 14.96E 2 3.7L,2.9s **¶601742276**
IASPE IX 27 08 35 41.0–.88 41.16N–.02 14.94E–.02 18–4 4.0b,3.0s
ISCJB IX 27 08 35 41.0–.22 41.15N–.02 14.87E–.02 17–2 4.1b,2.9s
ROM IX 27 08 35 41.5–.07 41.160N–.00 14.933E–.00 11–0 3.8L,2.9s
MOS IX 27 08 35 41.5–1.2 41.27N 14.96E 10 4.2b,2.9s
PDG IX 27 08 35 41.6–.56 41.16N 14.97E 8–0 3.8L,2.9s
IDC IX 27 08 35 42.3–1.2 41.44N 14.96E 0 4.1,4.0
BEO IX 27 08 35 42.4–1.0 41.30N 14.96E 0 3.4L,4.0
PRU IX 27 08 35 42.2–.00 41.25N 14.94E 0 3.4L,4.0
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=40.0.
IASPE Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=44.3. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=136.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
MOS Error ellipse: s-maj=8.6km s-min=6.7km az=72.7.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=20.1km s-min=13.3km az=65.0.
BEO Event type ke.
ISC IX 28 00 58 59.4–.78 39.92N–.02 16.01E–.03 9 72 0-6
IASPE IX 28 00 58 59.7–.84 39.91N–.02 16.01E–.03 12–5 **¶601751845**
ISCJB IX 28 00 58 60.0–.29 39.91N–.02 16.02E–.03 9
ROM IX 28 00 58 59.6–.07 39.910N–.00 16.008E–.01 9–0 2.8L
BEO IX 28 00 59 11.5–.90 40.47N 16.61E 10 2.7L
ISC Event type ke.
IASPE Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=64.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=166.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC X 01 20 28 28.9–.73 39.90N–.02 15.98E–.02 9–4 3.9b 229 0-73
ROM X 01 20 28 28.0–.06 39.901N–.00 16.016E–.01 9–0 3.7L **¶606635604**
ISCJB X 01 20 28 27.7–.26 39.89N–.01 15.90E–.02 8–1 3.8b,2.4s
IASPE X 01 20 28 28.6–.87 39.91N–.02 16.01E–.03 8–5 3.9b,2.4s
PDG X 01 20 28 28.9–.94 39.88N 16.03E 2–1 3.6L,2.4s
LDG X 01 20 28 28.6–.10 39.85N 16.09E 2 2.9L,2.4s
IDC X 01 20 28 29.2–1.1 39.96N 16.02E 0 3.8,3.7
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=159.7.
IASPE Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=69.4. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=84.0.
IDC Error ellipse: s-maj=16.2km s-min=14.9km az=43.0.
ISC X 01 21 27 52.0–.79 39.87N–.02 15.97E–.03 12–5 75 0-22
ISCJB X 01 21 27 52.0–.31 39.90N–.02 15.99E–.03 14–2 3.9b **¶601776137**
ROM X 01 21 27 51.8–.07 39.907N–.00 16.005E–.01 9–0 3.4L
IDC X 01 21 27 51.2–1.3 39.86N 15.90E 0 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=175.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=28.4km s-min=16.0km az=102.0.
ROM X 01 23 10 30.1–.07 39.905N–.00 16.021E–.01 8–0 2.2L
¶607214865

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 01 23 11 11.8–.08 39.901N–.00 16.013E–.01 9–0 1.9L
¶601776144

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 02 00 08 58.0–.95 39.90N–.02 15.98E–.02 5–7 3.9b 119 0-62
ISCJB X 02 00 08 57.9–.26 39.92N–.01 15.99E–.02 10–2 3.7b **¶601776149**
ROM X 02 00 08 57.1–.10 39.900N–.00 16.011E–.01 7–0 3.3L
IDC X 02 00 08 59.0–1.2 40.10N 15.93E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=151.4.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=19.6km s-min=15.1km az=72.0.
ROM X 02 08 27 45.2–.24 39.897N–.01 16.00E–.01 8–1 0.9L
¶606391792

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 02 20 00 10.8–.26 39.897N–.01 15.99E–.01 8–1 1.1L
¶606391824

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 06 03 47 27.5–.12 39.886N–.01 16.029E–.01 8–0 0.8L
¶606392061

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 09 20 54 05.3–.23 39.886N–.01 16.122E–.01 8–2 1.0L
¶606392245

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 10 17 01 44.2–.18 40.305N–.01 16.004E–.01 17–1 0.9L
¶606392277

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 12 03 28 08.6–.18 41.501N–.01 14.477E–.01 5 1.3L

¶606392336
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 14 15 24 09.6–.06 39.904N–.00 16.005E–.01 10–0 2.1L

¶601833211
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 14 15 24 53.0–.07 39.906N–.00 16.012E–.01 9–0 2.2L

¶607214838
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 14 17 32 37.5–.05 39.840N–.00 16.234E–.00 9–0 2.1L

¶601833214
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 16 01 17 14.2–.09 39.891N–.01 16.013E–.01 8–0 2.7L

¶601835765
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 16 15 10 59.3–.33 39.77N–.03 15.63E–.03 266–2 4.8b 1598 0-140
BJI X 16 15 10 56.5 39.60N 15.60E 260 4.6b,4.4b ¶606632168
ROM X 16 15 10 57.8–.14 39.670N–.01 15.74E–.01 276–1 4.6L,4.4b
LDG X 16 15 10 57.9–.08 39.68N 15.52E 277 3.8L,4.4b
PDG X 16 15 10 58.0–.87 39.77N 15.74E 269–1 4.7L,4.4b
ISCJB X 16 15 10 58.8–.07 39.72N–.01 15.59E–.01 271–0 4.8b,4.4b
CRAAG X 16 15 10 59.0 39.74N 15.61E 4.8b,4.4b
NEIC X 16 15 10 59.1–.08 39.76N 15.55E 260 4.9b,4.6L
MOS X 16 15 10 59.0–.93 39.75N 15.59E 274 4.8b,4.6L
IDC X 16 15 10 59.3–.51 39.80N 15.52E 267–4 4.7,4.2
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=41.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=15.2.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.4km az=15.0.
MOS Error ellipse: s-maj=4.6km s-min=3.1km az=77.1.
IDC Error ellipse: s-maj=7.5km s-min=7.2km az=137.0.
ISC X 18 02 51 58.1–.82 39.90N–.02 16.03E–.02 5–5 3.8b 253 0-62
BEO X 18 02 51 56.6–.70 39.88N 15.80E 0 3.5L ¶606635578
ROM X 18 02 51 57.2–.09 39.888N–.01 16.026E–.01 9–0 3.5L
ISCJB X 18 02 51 57.6–.23 39.91N–.01 15.98E–.02 8–1 3.8b
IASPE X 18 02 51 57.8–.92 39.90N–.02 16.03E–.03 9–6 3.8b
PDG X 18 02 51 58.1–.90 39.87N 16.01E 6–1 3.5L
IDC X 18 02 51 59.2–.91 39.99N 16.06E 0 3.8,3.7
TIR X 18 02 52 03.5 40.15N 16.69E 8 3.5,3.7
ISC Event type ke.
BEO Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=162.0.
IASPE Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=73.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
IDC Error ellipse: s-maj=15.4km s-min=11.7km az=126.0.
ROM X 18 04 39 28.8–.11 39.897N–.01 16.031E–.01 8–0 1.6L

¶606392533
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 25 23 05 26.1–.57 39.88N–.02 16.02E–.02 6–3 5.2b,5.0s 1532 0-165
TIR X 25 23 05 14.9 39.73N 15.52E 5 5.0,5.0s ¶606635595
BJI X 25 23 05 20.8 39.71N 15.45E 5 5.5b,5.3b
GII X 25 23 05 22.7–.00 39.86N 16.04E 4 5.5b,5.3b
ISCJB X 25 23 05 25.0–.21 39.916N–.01 15.99E–.01 12–1 5.2b,5.0s
NEIC X 25 23 05 24.0–.00 39.88N 16.01E 6 5.3W,5.2W
MOS X 25 23 05 24.9–1.2 39.95N 15.98E 11 5.4b,5.0s
LDG X 25 23 05 24.5–.10 39.94N 16.03E 5 4.7L,5.0s
ROM X 25 23 05 24.7–.11 39.875N–.00 16.016E–.01 10–0 5.0L,5.0s
IDC X 25 23 05 25.5–.40 39.98N 15.92E 0 5.0,5.0
PDG X 25 23 05 25.2–.80 39.90N 16.05E 11–0 5.3,5.2L
CRAAG X 25 23 05 26.0 39.88N 16.03E 5.3W,5.2L
BGS X 25 23 05 26.4–2.1 40.20N 16.51E 6 5.3W,5.0b
NEIC X 25 23 05 26.0–.00 39.84N 16.08E 11 5.3W,5.0b
BEO X 25 23 05 27.1–.70 40.04N 16.03E 0 5.0L,5.0b
GCMT X 25 23 05 28.0–.10 39.88N–.01 15.98E–.01 12 5.3W,5.0b
ISC Event type de.
GII Event type ke.
ISCJB Event type de.
NEIC Event type de. One person died of a heart attack at Cosenza. Felt [V] at Castelluccio Inferiore, Mormanno, San Basile, Santa Maria del Cedro and Verbicaro; [IV] at Castrolibero, Castrovillari, Lauria, Sapri, Scalea and Tortora; [III] at Cosenza, Naples and Rende. Felt throughout Basilicata, Calabria and Campania and in much of Apulia, Molise and northeastern Sicily. Felt as far as Palermo and Rome. After ROM. Moment Tensor Solution. s27 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.26 $M_{\theta\theta}$1.14 $M_{\phi\phi}$7.12 $M_{r\theta}$4.43 $M_{\theta\phi}$-1.89 $M_{\phi r}$-2.38 Best double couple: NP1:ϕ_s324.00000°,δ60.00000°,λ-109.00000°. NP2:ϕ_s179.00000°,δ35.00000°,λ-60.00000°. Principal axes: T 8.5000,Plg13.0000°,Azm68.0000° ; N 1.7000,Plg16.0000°,Azm334.0000°; P -10.1000,Plg6.0000°,Azm19.0000° $M_0$9.40000×10^{16}
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke.
NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.16 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s155.00000° ,δ50.00000°,λ-92.00000°. NP2:ϕ_s339.00000°,δ40.00000°,λ-87.00000°. Principal axes: T 1.0900,Plg5.0000°,Azm247.0000°; N 0.0100,Plg1.0000°,Azm156.0000° ; P -1.1000,Plg84.0000°,Azm47.0000° $M_0$1.10000×10^{17}
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c131; s129,c249;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$-0.40±.01; $M_{\phi r}$-0.34±.03; Best double couple: NP1:ϕ_s328.00000°,δ57.00000°,λ-97.00000°. NP2:ϕ_s160.00000°,δ34.00000°,λ-80.00000°. Principal axes: T 1.0970,Plg12.0000° ,Azm62.0000°; N 0.0120,Plg6.0000°,Azm331.0000°; P -1.1130,Plg77.0000°,Azm216.0000° $M_0$1.10500×10^{17}
ROM X 25 23 12 19.6–.11 39.882N–.01 16.02E–.01 7–1 2.7L

¶601848645
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 12 45.3–.12 39.891N–.01 15.99E–.01 7–0 1.6

¶607214851
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 34 31.6–.15 39.909N–.01 16.011E–.01 8–1 1.3

¶601848648
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 35 08.3–.08 39.885N–.00 16.034E–.01 9–0 2.5L

¶607214852
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 46 48.6–.15 39.863N–.01 15.969E–.01 7–1 1.2

¶601848650
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 47 14.5–.08 39.903N–.00 16.013E–.01 9–0 2.0L

¶607214839
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 56 34.8–.09 39.909N–.01 16.012E–.01 8–0 2.3L

¶601848651
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 57 32.1–.09 39.879N–.01 16.037E–.01 8–0 1.7L

¶607214855
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 58 29.6–.11 39.884N–.01 16.030E–.01 8–0 1.4L

¶607214856
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 25 23 59 38.5–.09 39.882N–.00 16.015E–.01 10–0 1.7L

¶601848652
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 00 00 11.7–.06 39.884N–.00 16.021E–.01 8–0 2.1L

¶607214845
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 00 00 40.2–.05 39.884N–.00 16.019E–.01 8–0 2.1L

¶607214846
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 00 01 13.0–.05 39.880N–.00 15.998E–.01 8–0 1.9L

¶607214847
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 00 42 17.8–.10 39.922N–.00 15.998E–.00 8–0 1.5

¶606392946
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 01 04 19.9–.04 39.884N–.00 16.019E–.00 9–0 2.2L

¶601848657
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 01 04 39.9–.08 39.879N–.00 16.010E–.01 8–0 2.0L

¶607214858
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 01 29 26.4–.10 39.907N–.01 16.009E–.01 8–0 1.8L,1.4

¶607214840
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 01 30 26.4–.06 39.918N–.00 15.985E–.01 9–0 2.0L

¶607214841
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 01 31 16.7–.08 39.904N–.00 15.987E–.01 6–0 1.9L

¶601848660
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 01 20.4–.05 39.890N–.00 16.017E–.01 8–0 2.0L

¶607214861
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 02 18.3–.07 39.888N–.00 16.031E–.01 9–0 1.3L

¶607214862
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 14 34.8–.05 39.888N–.00 16.001E–.01 8–0 2.3L

¶601848664
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 15 21.4–.05 39.890N–.00 16.016E–.01 8–0 1.6L

¶607214848
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 36 36.8–.09 39.884N–.01 15.994E–.01 9–0 1.9L,1.5

¶601848666
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 37 22.8–.06 39.889N–.00 15.974E–.01 9–0 1.9L

¶607214857
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 05 49 24.0–.05 39.882N–.00 16.003E–.01 8–0 2.4L

¶601848679
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 05 50 00.1–.11 39.071N–.00 16.69E–.02 11–0 2.0L

¶607214854
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 05 52 28.4–.06 39.893N–.00 16.018E–.01 9–0 2.3L

¶601848680
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 05 52 58.4–.04 39.900N–.00 15.959E–.01 8–0 1.9L

¶607214842
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 06 56 41.9–.07 39.893N–.00 16.015E–.01 8–0 2.2L

¶601848687
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 06 57 05.6–.06 39.885N–.00 16.038E–.01 8–0 1.8

¶607214859
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 14 05 55.2–.06 39.905N–.00 16.019E–.01 9–0 1.4L

¶606767966
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 22 37 25.1–.14 39.910N–.01 16.02E–.01 10–0 1.7L,1.1

¶601851729
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 22 37 56.5–.04 39.889N–.00 16.017E–.00 10–0 2.2L

¶607214843
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 27 08 03 51.4–.06 39.916N–.00 16.002E–.01 10–0 2.1L

¶601852496
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 27 08 04 30.9–.08 39.889N–.00 16.029E–.01 8–0 1.4L

¶607214844
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 28 10 12 47.2–.14 39.859N–.01 16.00E–.01 8–1 1.4

¶601853310
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 28 10 13 14.9–.10 39.856N–.00 16.003E–.01 6–0 3.2L

¶607214863
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 31 11 30 20.5–.13 39.933N–.01 16.00E–.01 9–1 1.5

¶607214849

ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 31 11 30 59.1–.08 39.945N–.00 16.008E–.01 9–0 2.2L ¶601864859
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 04 02 39 07.6–.08 39.904N–.00 16.011E–.01 9–0 1.4L ¶606768273
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 11 22 41 43.1–.09 39.910N–.00 16.107E–.01 8–0 1.4L ¶607167747
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 12 03 03 54.4–.85 39.91N–.02 15.99E–.03 9–5 39 0-3
ROM XI 12 03 03 54.0–.08 39.917N–.01 15.999E–.01 9–0 2.8L **¶601884092**
IASPE XI 12 03 03 54.4–.89 39.92N–.02 16.00E–.03 10–6 2.8L
ISCJB XI 12 03 03 54.4–.37 39.92N–.02 15.99E–.03 11–3 2.8L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke.
ROM XI 13 23 41 37.4–.09 39.914N–.01 16.020E–.01 9–0 1.3L ¶606768651
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 20 15 21 09.0–1.0 41.88N–.04 15.91E–.03 25–7 29 0-3
ISCJB XI 20 15 21 09.1–.53 41.88N–.04 15.89E–.05 26–4 **¶601993221**
ROM XI 20 15 21 09.2–.37 41.80N–.03 15.91E–.03 28–1 2.9L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 20 15 31 22.0–1.2 41.83N–.07 15.87E–.04 28–6 21 0-2
ISCJB XI 20 15 31 22.2–.75 41.87N–.05 15.89E–.06 26–5 **¶601993223**
ROM XI 20 15 31 22.5–.36 41.79N–.02 15.88E–.02 26–1 2.6L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 21 19 16 20.1–.09 39.888N–.01 16.056E–.00 10–0 1.7L ¶606769006
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 22 11 00 44.6–.58 39.50N–.05 15.74E–.05 248–5 3.7b 170 0-91
ISCJB XI 22 11 00 44.7–.24 39.46N–.02 15.72E–.04 253–2 3.7b **¶601993697**
ROM XI 22 11 00 44.5–.17 39.418N–.01 15.70E–.02 253–1 3.6L
PDG XI 22 11 00 44.4–.86 39.50N 15.72E 253–2 3.6L
IDC XI 22 11 00 46.5–.76 39.58N 15.47E 265–8 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.9km az=29.2.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=0.0.
IDC Error ellipse: s-maj=13.7km s-min=9.8km az=107.0.
ROM XI 22 11 26 20.5–.07 39.950N–.00 16.017E–.01 8–0 2.5L ¶601993704
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 24 16 25 09.8–.93 39.87N–.02 15.97E–.03 9–8 39 0-3
ISCJB XI 24 16 25 09.6–.36 39.87N–.02 15.97E–.04 13–3 **¶606804554**
ROM XI 24 16 25 09.3–.14 39.880N–.01 15.99E–.01 9–1 2.7L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 24 21 05 24.2–.99 39.92N–.03 16.00E–.03 13–8 23 0-1
ROM XI 24 21 05 23.9–.08 39.915N–.00 16.017E–.01 8–0 2.2L **¶607167752**
ISCJB XI 24 21 05 24.3–.42 39.91N–.03 16.01E–.04 14–3 2.2L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
ROM XI 24 21 05 49.2–.09 39.913N–.01 16.015E–.01 8–0 2.4L ¶601994216
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 25 08 28 40.5–.86 39.91N–.02 15.97E–.02 9–6 4.1b 216 0-62
LDG XI 25 08 28 38.9–.10 39.89N 16.04E 2 2.6L **¶606804548**
ISCJB XI 25 08 28 39.9–.28 39.91N–.01 15.94E–.02 11–1 4.0b,3.1s
ROM XI 25 08 28 39.6–.08 39.914N–.00 16.006E–.01 9–0 3.6L,3.1s
PDG XI 25 08 28 40.0–.86 39.88N 16.02E 2–1 3.6L,3.1s
BEO XI 25 08 28 40.4–.70 39.87N 15.84E 10 3.7L,3.1s
IDC XI 25 08 28 40.7–1.1 40.07N 15.91E 0 4.0,3.9
THE XI 25 08 28 41.6 40.03N 15.97E 6–52 3.5L,3.9
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=148.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
BEO Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=13.2km az=72.0.
THE Event type ke. Error ellipse: s-maj=69.4km s-min=5.4km az=273.0.
ISC XI 25 08 53 34.3–.88 39.88N–.02 15.98E–.03 11–7 55 0-5
ROM XI 25 08 53 33.7–.09 39.890N–.01 16.010E–.01 9–0 3.0L **¶601994336**
ISCJB XI 25 08 53 34.1–.36 39.88N–.02 15.98E–.03 13–2 3.0L
BEO XI 25 08 53 37.6–1.0 40.89N 14.84E 8–3 3.1L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=160.4.
BEO Event type ke.
ISC XI 25 20 41 12.5–.91 39.89N–.02 15.95E–.03 9–7 77 0-7
ROM XI 25 20 41 11.8–.10 39.913N–.01 16.000E–.01 10–0 3.0L **¶601994437**
ISCJB XI 25 20 41 12.1–.34 39.90N–.02 15.98E–.03 13–2 3.0L
BEO XI 25 20 41 12.4–.80 39.92N 15.71E 10 3.0L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=150.5.
BEO Event type ke.
ROM XI 26 07 35 15.5–.16 39.927N–.01 16.02E–.01 10 1.0L ¶606769427
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 30 03 03 45.8–1.1 39.93N–.02 16.00E–.02 2–8 4.0b 96 0-62
ROM XI 30 03 03 44.4–.11 39.922N–.01 16.013E–.01 8–0 3.2L **¶601995347**
ISCJB XI 30 03 03 45.1–.32 39.91N–.02 15.99E–.03 12–2 3.8b
BEO XI 30 03 03 45.4–.70 40.08N 15.64E 5 3.5L
PDG XI 30 03 03 46.4–.53 39.97N 15.98E 12–1 3.2L
IDC XI 30 03 03 46.7–1.3 40.08N 16.01E 0 3.7,3.6
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=6.1.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.5km az=0.0.
IDC Error ellipse: s-maj=22.1km s-min=14.6km az=65.0.
ISC XII 03 00 38 55.6–.60 39.53N–.07 15.49E–.06 254–6 3.5b 66 1-71
ISCJB XII 03 00 38 55.5–.32 39.50N–.05 15.58E–.06 262–3 3.4b **¶601995891**
ROM XII 03 00 38 56.1–.27 39.43N–.02 15.51E–.04 256–2 3.4L
LDG XII 03 00 38 56.1–.08 39.50N 15.35E 255 3.0L
IDC XII 03 00 38 56.7–1.4 39.58N 15.38E 268–17 3.7,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.6km az=40.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=7.5km s-min=2.1km az=48.0.
IDC Error ellipse: s-maj=13.7km s-min=12.4km az=116.0.
ISC XII 03 18 13 56.2–.89 40.66N–.02 15.73E–.02 22–1 112 0-10
BEO XII 03 18 13 44.1–.90 39.91N 15.03E 5 3.6L **¶601996002**
ISCJB XII 03 18 13 56.0–.22 40.68N–.02 15.72E–.02 27–2 3.6L
IASPE XII 03 18 13 56.4–.91 40.65N–.02 15.78E–.02 18–2 3.6L
LDG XII 03 18 13 56.3–.21 40.60N 15.83E 20 3.1L
ROM XII 03 18 13 56.2–.06 40.659N–.00 15.786E–.01 21–0 3.3L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 05 05 20 17.4–.87 41.17N–.03 14.88E–.03 14–6 65 0-7
ISCJB XII 05 05 20 17.0–.40 41.18N–.03 14.88E–.03 19–3 **¶601996071**
ROM XII 05 05 20 16.4–.18 41.161N–.01 14.887E–.01 22–1 3.2L
BEO XII 05 05 20 17.3–1.1 41.24N 14.82E 5 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.1km az=38.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM XII 07 21 33 44.4–.09 39.925N–.01 16.00E–.01 9–0 2.3L ¶602030329
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 11 14 28 43.7–.87 39.88N–.02 15.98E–.03 8–5 84 0-10
BEO XII 11 14 28 41.2–1.0 39.87N 15.65E 0 3.4L **¶602035773**
ROM XII 11 14 28 43.2–.09 39.887N–.01 16.008E–.01 9–0 3.4L
PDG XII 11 14 28 43.9–.45 39.92N 16.03E 11–1 3.4L
ISC Event type ke.
BEO Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=0.0.
ISC XII 18 11 03 19.3–.94 39.85N–.02 16.16E–.02 6–7 91 0-8
ISCJB XII 18 11 03 18.9–.43 39.84N–.02 16.17E–.02 15–3 **¶602047015**
ROM XII 18 11 03 18.5–.10 39.851N–.01 16.160E–.01 8–0 3.4L
BEO XII 18 11 03 18.3–.80 39.80N 16.03E 0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=139.2.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM XII 18 11 05 33.8–.14 39.830N–.00 16.181E–.00 9–1 1.0 ¶607298456
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 18 11 05 44.1–.99 39.84N–.03 16.16E–.03 12–7 24 0-1
ISCJB XII 18 11 05 44.0–.51 39.84N–.03 16.18E–.04 15–4 **¶607298457**
ROM XII 18 11 05 43.8–.06 39.846N–.00 16.168E–.01 9–0 2.8L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 18 11 06 25.7–.12 39.828N–.01 16.170E–.01 10–0 2.3L ¶602047016
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 22 19 59 55.3–.80 39.32N–.09 15.14E–.10 332 31 1-71
ROM XII 22 19 59 54.7–.42 39.28N–.02 15.11E–.05 332–3 3.0L **¶602391885**
ISCJB XII 22 19 59 55.4–.41 39.38N–.07 15.1E–.10 332 3.0L
IDC XII 22 19 59 57.0–3.0 39.68N 15.08E 326–39 3.6,3.0
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=9.6km az=159.0.
IDC Error ellipse: s-maj=36.5km s-min=25.3km az=23.0.
ISC XII 31 07 24 42.2–.93 41.85N–.02 15.49E–.02 23–7 70 0-7
ISCJB XII 31 07 24 41.6–.33 41.90N–.02 15.50E–.03 27–3 **¶602065151**
ROM XII 31 07 24 42.0–.16 41.842N–.01 15.507E–.01 24–1 2.6L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 31 21 21 05.4–1.1 41.83N–.02 15.43E–.02 18–8 109 0-7
ISCJB XII 31 21 21 05.9–.28 41.90N–.02 15.49E–.03 28–3 **¶602068858**
ROM XII 31 21 21 05.5–.15 41.877N–.01 15.523E–.01 28–1 2.9L
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

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ISC VII 01 23 32 24.4–1.0 40.27N–.02 19.77E–.02 7–9 92 0-5
CSEM VII 01 23 32 24.7–.21 40.25N 19.81E 2 3.2L **¶604156867**
TIR VII 01 23 32 24.0 40.24N 19.78E 10 3.2
THE VII 01 23 32 24.0 40.28N 19.77E 0–1 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=71.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=286.0.
ISC VII 03 05 52 22.7–.99 41.30N–.02 20.36E–.02 13–9 143 0-5
SKO VII 03 05 52 20.5 41.27N 20.26E 11 2.6L,2.1 **¶601783094**
TIR VII 03 05 52 21.0 41.26N 20.40E 2 3.0,2.1
ATH VII 03 05 52 21.4 41.34N 20.36E 10–3 2.2L,2.1
PDG VII 03 05 52 22.4–.12 41.25N 20.34E 3–0 2.7L,2.1
CSEM VII 03 05 52 23.4–.19 41.25N 20.36E 2 2.3L,2.1
THE VII 03 05 52 23.5 41.26N 20.38E 0–3 2.3L,2.1
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.7km az=142.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.3km az=60.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=78.0.
ATH VII 05 21 31 49.7 41.51N 20.71E 12–4 1.8L
SKO VII 05 21 31 47.8 41.58N 20.62E 18 2.0L,1.6 **¶601733013**
CSEM VII 05 21 31 49.4–.26 41.55N 20.72E 2 1.7L,1.6
BEO VII 05 21 31 50.8–.60 41.53N 20.74E 0 1.7L,1.6
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=2.2km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=69.0.
BEO Event type ke.
ISC VII 06 02 30 48.5–1.0 40.21N–.02 19.41E–.02 11–9 212 1-9
SKO VII 06 02 30 39.0 40.21N 18.61E 0 **¶601783097**
CSEM VII 06 02 30 47.8–.09 40.19N 19.40E 2 2.9L
ATH VII 06 02 30 47.3 40.22N 19.38E 21–1 2.9L
THE VII 06 02 30 48.1 40.20N 19.41E 0–1 2.9L
PDG VII 06 02 30 48.5–.64 40.21N 19.45E 16–1 2.9L
ISC Event type ke.

CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.6km az=51.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=150.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=266.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.

ISC VII 07 12 59 09.8–.84 41.34N–.01 20.92E–.01 11–5 4.2b,3.0s 739 0-122
IDC VII 07 12 59 07.5–.47 41.30N 20.83E 0 4.2,4.2b **¶601243991**
TIR VII 07 12 59 08.0 41.35N 20.95E 12 4.2,4.2b
ISCJB VII 07 12 59 09.0–.25 41.361N–.01 20.88E–.01 11–1 4.2b,3.1s
SKO VII 07 12 59 08.1 41.34N 20.88E 15 4.3L,3.9
NEIC VII 07 12 59 10.0–.24 41.33N 20.85E 10 4.3L,4.3b
THE VII 07 12 59 09.4 41.33N 20.96E 1–1 4.1L,4.3b
PDG VII 07 12 59 09.2–.58 41.35N 20.92E 6–0 4.4L,4.3
BEO VII 07 12 59 09.5–.20 41.35N 20.89E 0 4.1L,4.3
LDG VII 07 12 59 09.1–.09 41.32N 20.91E 2 4.5L,4.3
CSEM VII 07 12 59 09.4–.07 41.35N 20.94E 2 4.5L,4.4b
ATH VII 07 12 59 10.5 41.30N 21.08E 20–1 4.0L,4.4b
MOS VII 07 12 59 10.3–1.1 41.29N 20.73E 33 4.4b,4.4b
PRU VII 07 12 59 11.0 41.41N 20.86E 0 4.3,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=146.3.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=206.0. Felt [III] at Ohrid. Moment Tensor Solution. s24 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.39 $M_{\theta\theta}$0.85 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.32 $M_{\theta\phi}$1.06 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s39.00000°,δ57.00000°,λ-103.00000°. NP2: ϕ_s241.00000°,δ35.00000°,λ-71.00000°. Principal axes: T 1.8900,Plg11.0000°,Azm138.0000° ; N -0.3400,Plg11.0000°,Azm46.0000°; P -1.5600,Plg75.0000°,Azm273.0000° $M_0$1.80000×10^{15}
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=277.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=61.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=147.0.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=103.8.

ISC VII 07 13 05 10.5–.96 41.31N–.02 20.98E–.02 13–8 213 0-5
SKO VII 07 13 05 08.4 41.35N 20.90E 15 3.1L,2.9 **¶601733021**
TIR VII 07 13 05 08.2 41.34N 20.95E 6 3.3,2.9
THE VII 07 13 05 09.6 41.38N 20.95E 0–3 2.9L,2.9
CSEM VII 07 13 05 09.8–.12 41.37N 21.00E 2 2.9L,2.9
ATH VII 07 13 05 10.8 41.28N 21.03E 20–2 2.8L,2.9
PDG VII 07 13 05 10.0–.35 41.36N 20.94E 6–0 3.3L,2.9
BEO VII 07 13 05 11.0–.40 41.40N 20.99E 5 2.8L,2.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.1km az=295.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=58.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.6km az=143.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.

ISC VII 07 13 15 30.9–.95 41.34N–.02 20.91E–.02 9–8 115 0-3
SKO VII 07 13 15 19.2 41.34N 19.90E 25 2.4L,2.4 **¶601733022**
TIR VII 07 13 15 29.8 41.36N 20.95E 6 2.9,2.4
THE VII 07 13 15 29.6 41.43N 20.93E 0–13 2.4L,2.4
PDG VII 07 13 15 30.9–.39 41.33N 20.89E 2–0 2.8L,2.4
CSEM VII 07 13 15 31.5–.24 41.31N 20.99E 5 2.4L,2.4
BEO VII 07 13 15 33.5–.50 41.42N 21.01E 0 2.2L,2.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=15.8km s-min=2.0km az=312.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.9km az=42.0.
BEO Event type ke.

ISC VII 08 01 41 35.0–.99 41.34N–.01 20.95E–.01 6–8 270 0-6
ATH VII 08 01 41 34.6 41.36N 20.97E 16–2 2.5L **¶601733027**
SKO VII 08 01 41 34.6 41.34N 20.95E 10 2.5L,2.2
THE VII 08 01 41 35.1 41.35N 20.97E 0–1 2.4L,2.2
PDG VII 08 01 41 35.2–.51 41.33N 20.87E 3–1 2.9L,2.2
CSEM VII 08 01 41 35.1–.10 41.36N 20.98E 2 2.4L,2.2
BEO VII 08 01 41 35.9–.60 41.33N 20.97E 11–4 2.3L,2.2
TIR VII 08 01 41 41.4 41.35N 20.94E 6 2.9,2.2
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.4km az=141.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=9.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=61.0.
BEO Event type ke.

ISC VII 08 19 50 57.1–.93 40.78N–.02 19.67E–.02 15–8 102 0-6
TIR VII 08 19 50 55.0 40.75N 19.56E 2 3.2 **¶601733032**
THE VII 08 19 50 56.6 40.82N 19.60E 2–2 2.3L
ATH VII 08 19 50 56.2 40.85N 19.65E 15–2 2.4L
CSEM VII 08 19 50 57.9–.23 40.75N 19.63E 2 3.2L
BEO VII 08 19 51 00.9–.80 40.88N 19.64E 0 2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.4km az=295.0.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=2.1km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=80.0.
BEO Event type ke.

ISC VII 09 08 29 17.9–1.0 41.33N–.01 20.92E–.02 4–9 194 0-5
ATH VII 09 08 29 17.0 41.36N 20.90E 15–1 2.5L **¶601733035**
TIR VII 09 08 29 16.5 41.36N 20.94E 20 3.1
SKO VII 09 08 29 16.4 41.34N 20.87E 15 2.5L,2.2
PDG VII 09 08 29 17.8–.33 41.31N 20.88E 2–0 3.0L,2.2
THE VII 09 08 29 18.1 41.34N 20.98E 0–2 2.5L,2.2
BEO VII 09 08 29 18.6–.40 41.35N 20.96E 6–3 2.4L,2.2
CSEM VII 09 08 29 18.6–.12 41.34N 20.96E 10 2.5L,2.2
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=136.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=52.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=54.0.

ISC VII 09 22 16 56.7–1.1 41.41N–.01 19.93E–.02 4–9 191 0-5
ATH VII 09 22 16 54.2 41.56N 19.86E 5–2 2.5L **¶601783102**
TIR VII 09 22 16 55.7 41.38N 19.95E 6 3.1
THE VII 09 22 16 56.6 41.45N 19.97E 3–4 2.3L
CSEM VII 09 22 16 57.1–.16 41.43N 19.87E 2 2.0L
PDG VII 09 22 16 57.7–.54 41.47N 19.92E 3–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=4.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.1km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=58.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.

ISC VII 11 09 21 50.6–.99 41.33N–.01 20.94E–.02 7–8 156 0-3
SKO VII 11 09 21 38.6 41.33N 19.85E 25 2.3L,1.8 **¶601734540**
ATH VII 11 09 21 48.9 41.43N 20.91E 15–3 2.3L,1.8
THE VII 11 09 21 49.9 41.36N 20.92E 1–1 2.3L,1.8
PDG VII 11 09 21 50.4–.29 41.31N 20.89E 3–0 2.9L,1.8
CSEM VII 11 09 21 51.2–.13 41.28N 20.98E 2 2.3L,1.8
BEO VII 11 09 21 51.6–.40 41.17N 20.97E 11–3 2.2L,1.8
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=2.1km az=131.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=283.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=57.0.
BEO Event type ke.

CSEM VII 14 12 02 09.8–.40 41.94N 20.40E 5 1.7L
TIR VII 14 12 02 02.1 41.94N 20.34E 4 2.5 **¶605475123**
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=8.0km az=69.0.

ISC VII 16 20 31 00.4–1.0 41.33N–.01 20.92E–.02 3–9 167 0-3
TIR VII 16 20 30 59.0 41.35N 20.93E 10 2.8 **¶601783116**
SKO VII 16 20 30 60.0 41.31N 20.94E 16 2.5L,2.2
ATH VII 16 20 30 59.8 41.38N 20.93E 16–1 2.3L,2.2
THE VII 16 20 31 00.1 41.36N 20.94E 0–2 2.5L,2.2
CSEM VII 16 20 31 00.5–.13 41.34N 20.94E 2 2.5L,2.2
PDG VII 16 20 31 00.3–.27 41.32N 20.89E 2–0 2.9L,2.2
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.7km az=145.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=286.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=54.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.

SKO VII 17 03 32 18.4 41.27N 20.81E 23 1.2L,1.1
TIR VII 17 03 32 18.5 41.37N 21.11E 11 2.6,1.1 **¶604481492**

ISC VII 19 20 38 23.0–1.0 41.26N–.01 20.94E–.02 5–9 142 0-5
SKO VII 19 20 38 04.1 41.87N 19.72E 15 2.0L,1.8 **¶601734580**
ATH VII 19 20 38 19.9 41.39N 20.78E 12–3 2.4L,1.8
TIR VII 19 20 38 21.4 41.29N 20.96E 10 2.9,1.8
THE VII 19 20 38 22.8 41.30N 20.94E 0–2 2.3L,1.8
CSEM VII 19 20 38 23.9–.16 41.24N 21.03E 2 2.3L,1.8
PDG VII 19 20 38 23.6–.29 41.25N 20.96E 4–0 2.6L,1.8
BEO VII 19 20 38 25.0–.80 41.24N 21.02E 0 1.8L,1.8
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=2.7km az=121.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=296.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=56.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=90.0.
BEO Event type ke.

TIR VII 20 03 40 46.9 41.81N 20.08E 20 2.4
CSEM VII 20 03 40 48.5–.66 41.85N 20.09E 20 2.4L **¶605673214**
CSEM Event type ke. Error ellipse: s-maj=24.0km s-min=14.1km az=40.0.

SKO VII 23 06 58 34.2 41.31N 20.89E 23 1.2L,0.9 ¶604481520

SKO VII 23 10 09 44.2 41.23N 20.88E 19 1.7L,1.3
TIR VII 23 10 09 44.2 41.25N 20.89E 6 2.3,1.3 **¶604481523**

ISC VII 24 18 06 36.5–.97 41.16N–.01 20.06E–.02 14–8 266 1-9
ATH VII 24 18 06 33.3 41.28N 19.95E 20–2 2.9L **¶601734621**
CSEM VII 24 18 06 35.9–.10 41.13N 20.05E 5 2.9L
SKO VII 24 18 06 35.9 41.12N 20.02E 12 2.9L,2.5
BEO VII 24 18 06 35.0–.70 41.02N 20.01E 13–3 2.9L,2.5
PDG VII 24 18 06 36.7–.67 41.18N 20.04E 16–1 3.1L,2.5
THE VII 24 18 06 36.3 41.16N 20.06E 4–1 2.7L,2.5
TIR VII 24 18 06 36.5 41.15N 20.13E 6 3.0,2.5
ISCJB VII 24 18 06 37.2–.36 41.13N–.01 20.06E–.02 20–4 3.0,2.5
ISC Event type ke.
ATH Event type ke.
CSEM Event type ke.
BEO Event type ke.
PDG Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC VII 24 19 26 24.5–.93 41.33N–.02 20.93E–.02 10–8 90 0-3
TIR VII 24 19 26 22.6 41.40N 21.01E 6 2.2 **¶601734623**
ATH VII 24 19 26 23.9 41.38N 20.99E 17–1 2.0L
CSEM VII 24 19 26 24.9–.24 41.32N 20.96E 2 2.2L
SKO VII 24 19 26 24.1 41.28N 20.91E 15 1.8L,1.5
BEO VII 24 19 26 25.2–.60 41.30N 20.95E 0 2.0L,1.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=129.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=72.0.
BEO Event type ke.

ISC VII 24 19 50 22.6–1.0 41.14N–.01 20.05E–.02 9–9 205 1-6
BEO VII 24 19 50 21.3–.70 41.03N 20.04E 5–3 2.4L **¶601734624**
CSEM VII 24 19 50 22.3–.13 41.13N 20.05E 2 2.2L
SKO VII 24 19 50 23.0 41.11N 20.04E 13 2.4L,2.0
TIR VII 24 19 50 22.4 41.13N 20.13E 6 2.7,2.0
PDG VII 24 19 50 23.5–.57 41.17N 20.04E 11–1 2.7L,2.0
THE VII 24 19 50 23.0 41.15N 20.08E 4–1 2.2L,2.0
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=61.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=77.0.

ISC VII 24 23 43 22.8–1.4 41.26N–.04 19.91E–.03 1–10 67 1-5
CSEM VII 24 23 43 23.8–.69 41.26N 20.01E 2 2.6L **¶601734626**
TIR VII 24 23 43 24.5 41.37N 19.94E 6 2.6
SKO VII 24 23 43 24.9 41.31N 19.81E 0 2.2L,1.8
BEO VII 24 23 43 24.5–.60 41.27N 19.99E 0–3 2.1L,1.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=7.3km az=13.0.
BEO Event type ke.

ISC VII 25 14 19 28.9–1.0 40.63N–.02 19.79E–.03 9–10 51 0-4
TIR VII 25 14 19 27.4 40.68N 19.67E 1 3.0 **¶601734632**
ISCJB VII 25 14 19 28.2–.52 40.69N–.02 19.65E–.04 3–5 3.0
ATH VII 25 14 19 29.8 40.67N 19.85E 19–5 2.3L
CSEM VII 25 14 19 31.6–.63 40.63N 19.91E 20 2.3L
BEO VII 25 14 19 33.8–1.5 40.88N 19.66E 20–7 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=179.4.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=1.5km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=19.7km s-min=11.4km az=69.0.
BEO Event type ke.

ISC VII 26 00 13 36.1–1.1 41.42N–.02 19.92E–.02 7–9 170 0-6
TIR VII 26 00 13 34.8 41.39N 19.93E 10 3.1 **¶601734634**
CSEM VII 26 00 13 35.0–.26 41.36N 19.84E 2 2.7L
BEO VII 26 00 13 35.8–.50 41.33N 19.93E 0 2.4L
SKO VII 26 00 13 36.6 41.34N 19.89E 0 2.5L,2.0
PDG VII 26 00 13 37.1–.29 41.47N 19.86E 1–0 2.7L,2.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=32.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.

ISC VII 26 02 27 25.9–2.3 41.34N–.09 20.06E–.06 3–14 12 0-2
SKO VII 26 02 27 24.7 41.55N 19.79E 0 1.6L,1.1 **¶605673229**
TIR VII 26 02 27 24.7 41.34N 19.93E 6 2.6,1.1
ISC Event type ke.

SKO VII 26 02 37 12.9 41.17N 20.26E 15 1.9L,1.4
TIR VII 26 02 37 13.2 41.18N 20.26E 7 2.7,1.4 **¶604481540**

ISC VII 31 04 27 07.6–1.3 41.78N–.05 19.44E–.03 5–10 39 0-4
ISCJB VII 31 04 27 06.9–1.0 41.79N–.05 19.42E–.04 1–5 **¶601734709**
TIR VII 31 04 27 06.5 41.78N 19.43E 6 2.4
CSEM VII 31 04 27 07.4–1.0 41.77N 19.43E 5 1.9L
BEO VII 31 04 27 09.4–1.0 41.81N 19.40E 13–3 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.6km az=14.9.
CSEM Event type ke. Error ellipse: s-maj=17.9km s-min=9.0km az=19.0.
BEO Event type ke.

ISC VIII 01 03 09 17.7–.97 40.75N–.02 19.64E–.03 14–8 58 0-5
ATH VIII 01 03 09 16.7 40.84N 19.65E 14–3 2.4L **¶601734717**
TIR VIII 01 03 09 17.7 40.70N 19.68E 24 3.2
THE VIII 01 03 09 17.4 40.77N 19.65E 8–0 2.1L
BEO VIII 01 03 09 21.0–1.1 40.77N 19.82E 5–3 2.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.0km s-min=2.0km az=127.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=290.0.
BEO Event type ke.

ISC VIII 03 06 54 02.4–.96 41.75N–.02 20.39E–.02 4–8 90 0-4
TIR VIII 03 06 54 00.1 41.67N 20.28E 6 2.5 **¶601734752**
SKO VIII 03 06 54 01.4 41.74N 20.35E 10 2.3L,1.8
PDG VIII 03 06 54 02.4–.35 41.73N 20.38E 8–0 2.7L,1.8
SIK VIII 03 06 54 04.3–25 42N–1.0 20E–1.0 0 2.3L,1.8
BEO VIII 03 06 54 04.5–.50 41.80N 20.46E 7–2 2.2L,1.8
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
SIK Error ellipse: s-maj=418.6km s-min=93.1km az=135.0.
BEO Event type ke.

TIR	VIII	**04 00 08 14.0**	**41.09N**	**20.30E**	**6**	**2.5**		
SKO	VIII	04 00 08 13.5	41.14N	20.10E	3	2.5		¶606362875
BEO	VIII	04 00 08 17.4–1.4	41.22N	20.30E	0	1.7L		
BEO	Event type ke.							
ISC	VIII	**06 22 42 27.1–1.1**	**41.37N–.02**	**20.94E–.02**	**4–11**		**34**	**0-2**
TIR	VIII	06 22 42 25.6	41.35N	20.94E	6	2.7		¶601734795
SKO	VIII	06 22 42 26.4	41.33N	20.90E	15	1.8L,1.5		
BEO	VIII	06 22 42 29.3–.90	41.44N	21.07E	3–5	1.6L,1.5		
ISC	Event type ke.							
BEO	Event type ke.							
ISC	VIII	**07 08 21 25.6–1.0**	**41.78N–.05**	**20.13E–.04**	**14–8**		**33**	**0-2**
TIR	VIII	07 08 21 24.6	41.78N	20.13E	17	2.6		¶606362882
PDG	VIII	07 08 21 26.1–.11	41.79N	20.08E	10–0	2.1L		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.							
ISC	VIII	**09 23 09 05.9–1.4**	**41.35N–.04**	**19.97E–.03**	**2–10**		**62**	**0-5**
SKO	VIII	09 23 09 05.0	41.19N	19.67E	0			¶601734856
ISCJB	VIII	09 23 09 05.5–.61	41.35N–.03	19.94E–.03	0–3			
TIR	VIII	09 23 09 05.6	41.36N	19.93E	6	2.5		
PDG	VIII	09 23 09 05.3–.19	41.33N	19.96E	4–0	2.4L		
BEO	VIII	09 23 09 08.9–.40	41.50N	20.02E	1–2	2.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=30.6.							
PDG	Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.							
BEO	Event type ke.							
ISC	VIII	**11 01 00 48.2–1.4**	**41.14N–.03**	**20.04E–.05**	**9–12**		**21**	**1-5**
TIR	VIII	11 01 00 47.7	41.11N	19.99E	12	2.9		¶606362893
ISCJB	VIII	11 01 00 48.0–1.1	41.16N–.04	20.04E–.08	14–10	2.9		
SKO	VIII	11 01 00 49.9	41.17N	20.11E	13	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.1km s-min=4.7km az=153.6.							
ISC	VIII	**15 03 46 21.5–1.1**	**41.08N–.01**	**20.25E–.02**	**4–9**		**201**	**0-9**
ATH	VIII	15 03 46 19.2	41.23N	20.19E	14–2	3.0L		¶601734931
TIR	VIII	15 03 46 20.5	41.09N	20.33E	2	3.3		
BEO	VIII	15 03 46 21.8–.50	41.01N	20.23E	7–2	2.9L		
SKO	VIII	15 03 46 21.5	41.05N	20.19E	7	3.2L,2.6		
THE	VIII	15 03 46 21.8	41.08N	20.28E	0–1	3.0L,2.6		
PDG	VIII	15 03 46 22.0–.58	41.13N	20.24E	3–0	3.1L,2.6		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.7km s-min=1.7km az=164.0.							
BEO	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=334.0.							
PDG	Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.							
ISC	VIII	**20 05 21 52.5–.89**	**40.70N–.02**	**19.62E–.02**	**14–7**		**104**	**0-5**
TIR	VIII	20 05 21 50.2	40.70N	19.66E	2	3.0		¶601729212
ISCJB	VIII	20 05 21 51.6–.38	40.73N–.01	19.64E–.02	2–3	3.0		
SKO	VIII	20 05 21 51.0	40.78N	19.39E	1	3.0		
ATH	VIII	20 05 21 51.1	40.80N	19.70E	24–2	2.5L		
THE	VIII	20 05 21 52.9	40.72N	19.76E	2–47	2.7L		
PDG	VIII	20 05 21 52.0–.27	40.73N	19.59E	10–0	2.7L		
BEO	VIII	20 05 21 53.8–.70	40.77N	19.59E	12–3	2.5L		
SIK	VIII	20 05 22 07.8–47	42N–3.0	20E–1.0	0	2.4L		
ISC	Event type ke.							
ISCJB	Event type ke.							
ATH	Event type ke.							
THE	Event type ke.							
PDG	Event type ke.							
BEO	Event type ke.							
ISC	VIII	**21 02 58 55.2–.97**	**41.81N–.04**	**20.16E–.03**	**15–8**		**35**	**0-2**
ISCJB	VIII	21 02 58 54.4–.45	41.80N–.03	20.13E–.04	5–5			¶601729214
TIR	VIII	21 02 58 54.6	41.82N	20.16E	15	2.8		
SKO	VIII	21 02 58 54.8	41.84N	20.16E	28	2.8		
BEO	VIII	21 02 58 56.5–.70	41.81N	20.15E	22–6	1.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=2.8km az=41.9.							
BEO	Event type ke.							
ISC	VIII	**21 10 15 21.9–1.1**	**41.14N–.02**	**20.19E–.02**	**5–10**		**111**	**0-5**
SIK	VIII	21 10 15 19.0–8.7	41.0N–.50	20.2E–.40	0	1.8L		¶601729215
TIR	VIII	21 10 15 20.2	41.13N	20.20E	4	2.8		
BEO	VIII	21 10 15 21.0–.60	41.03N	20.20E	0	2.3L		
ATH	VIII	21 10 15 21.9	41.17N	20.24E	15–2	2.4L		
SKO	VIII	21 10 15 21.8	41.16N	20.15E	3	2.4L		
THE	VIII	21 10 15 21.4	41.16N	20.16E	0–3	2.6L		
PDG	VIII	21 10 15 22.8–.54	41.24N	20.21E	4–1	2.7L		
ISC	Event type ke.							
SIK	Error ellipse: s-maj=157.3km s-min=86.6km az=149.0.							
BEO	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=148.0.							
THE	Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=286.0.							
PDG	Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=0.0.							
ISC	VIII	**22 02 19 07.3–.85**	**40.54N–.03**	**19.36E–.02**	**12–6**		**63**	**0-5**
SKO	VIII	22 02 19 03.9	40.55N	19.11E	32			¶602028614
TIR	VIII	22 02 19 05.6	40.59N	19.39E	24	3.1		
ISCJB	VIII	22 02 19 06.6–.61	40.55N–.03	19.35E–.03	1–5	3.1		
THE	VIII	22 02 19 06.6	40.52N	19.28E	4–1	2.1L		
ATH	VIII	22 02 19 07.6	40.53N	19.33E	41–4	2.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=164.5.							
THE	Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=117.0.							
ATH	Event type ke. Error ellipse: s-maj=5.4km s-min=1.6km az=233.0.							
ISC	VIII	**25 05 16 39.6–1.7**	**41.9N–.10**	**19.19E–.06**	**11**		**8**	**1-1**
TIR	VIII	25 05 16 37.4	41.89N	19.06E	8	2.5		¶606362919
ISCJB	VIII	25 05 16 38.2–1.5	41.87N–.10	19.09E–.06	11	2.5		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	VIII	**31 21 11 51.0–.99**	**41.85N–.02**	**20.22E–.02**	**8–8**		**179**	**0-9**
TIR	VIII	31 21 11 49.6	41.90N	20.27E	18	3.5		¶601729290
SAR	VIII	31 21 11 50.7–.68	41.82N	20.24E	4–3	3.3L		
THE	VIII	31 21 11 50.5	41.94N	20.27E	6–2	3.1L		
PDG	VIII	31 21 11 50.6–.64	41.87N	20.20E	8–1	3.3,3.3L		
ISCJB	VIII	31 21 11 50.2–.28	41.86N–.01	20.22E–.02	4–2	3.3,3.3L		
SKO	VIII	31 21 11 51.0	41.81N	20.15E	13	3.3,3.3L		
BEO	VIII	31 21 11 51.4–.30	41.78N	20.17E	14–2	3.0L,3.3L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.7km s-min=0.6km az=6.0.							
PDG	Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=138.6.							
BEO	Event type ke.							
ISC	IX	**01 19 04 50.7–1.1**	**41.22N–.02**	**20.43E–.03**	**10–9**		**69**	**0-5**
ATH	IX	01 19 04 48.7	41.35N	20.44E	16–6	2.1L		¶606542087
SKO	IX	01 19 04 49.4	41.23N	20.40E	15	2.5L,2.0		
PDG	IX	01 19 04 49.3–.23	41.09N	20.28E	5–0	2.6L,2.0		
TIR	IX	01 19 04 50.2	41.20N	20.35E	7	2.6,2.0		
BEO	IX	01 19 04 52.0–.70	41.14N	20.42E	4–3	2.3L,2.0		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=7.3km s-min=1.6km az=105.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.							
PDG	Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.							
BEO	Event type ke.							
ISC	IX	**04 22 43 43.4–.91**	**41.14N–.02**	**19.85E–.02**	**31–7**	**4.1b**	**589**	**1-70**
ATH	IX	04 22 43 39.0	41.24N	19.70E	17–4	3.6L		¶606542103
SAR	IX	04 22 43 39.9–.57	40.93N	19.66E	10–2	4.2L		
SIK	IX	04 22 43 40.8–4.1	41.1N–.30	19.8E–.10	0	4.4L		
BEO	IX	04 22 43 40.3–.60	40.94N	19.74E	11–3	3.9L		
MOS	IX	04 22 43 40.4–1.1	41.10N	19.62E	19	4.3b		
LDG	IX	04 22 43 41.0–.13	41.11N	19.79E	2	4.0L		
THE	IX	04 22 43 41.8	41.17N	19.86E	0–1	3.6L		
NEIC	IX	04 22 43 41.8–.00	41.11N	19.92E	2	4.4b,4.0L		
TIR	IX	04 22 43 41.8	41.11N	19.91E	2	4.0,4.0L		
PDG	IX	04 22 43 41.4–.75	41.14N	19.80E	8–1	4.1,4.0L		
SKO	IX	04 22 43 42.3	41.13N	19.89E	8	4.1,4.0L		
PRU	IX	04 22 43 42.8–.00	41.13N	19.91E	0	4.4,4.0L		
IDC	IX	04 22 43 44.6–1.6	41.20N	19.86E	36–15	3.8,3.7		
ISC	Event type fe.							
ATH	Event type ke. Error ellipse: s-maj=5.3km s-min=1.7km az=130.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.							
SIK	Error ellipse: s-maj=71.5km s-min=32.6km az=0.0.							
BEO	Event type ke.							
MOS	Error ellipse: s-maj=4.1km s-min=3.2km az=105.4.							
LDG	Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=23.0.							
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=306.0.							
NEIC	Event type fe. Felt [II] at Tirana. Also felt at Elbasan and Kavaja. After TIR. Moment Tensor Solution. s7 Moment tensor: Scale 10^{14}Nm; M_{rr}6.21 $M_{\theta\theta}$-3.38 $M_{\phi\phi}$-2.83 $M_{r\theta}$-2.11 $M_{\theta\phi}$5.73 $M_{\phi r}$-3.63 Best double couple: NP1:ϕ_s285.00000°,δ50.00000°,λ45.00000°. NP2:ϕ_s162.00000° ,δ57.00000°,λ130.00000°. Principal axes: T 8.9200,Plg57.0000°,Azm129.0000° ; N -0.0100,Plg33.0000°,Azm318.0000°; P -8.9100,Plg4.0000°,Azm225.0000° $M_0$8.90000×10^{14}							
PDG	Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.							
IDC	Error ellipse: s-maj=12.6km s-min=10.0km az=17.0.							
ISC	IX	**05 15 47 27.9–.94**	**40.67N–.02**	**19.69E–.02**	**16–8**		**99**	**0-6**
ATH	IX	05 15 47 25.8	40.74N	19.66E	16–2	2.9L		¶606542106
SKO	IX	05 15 47 26.5	40.62N	19.59E	1	2.9L		
PDG	IX	05 15 47 27.7–.63	40.66N	19.51E	7–1	2.9L		
TIR	IX	05 15 47 27.2	40.61N	19.72E	20	3.4		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=171.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.							
PDG	Event type ke. Error ellipse: s-maj=1.3km s-min=2.8km az=0.0.							
ISC	IX	**06 00 38 38.3–1.0**	**41.81N–.02**	**20.15E–.02**	**7–9**		**103**	**0-5**
SAR	IX	06 00 38 37.0–.81	41.66N	20.15E	5–3	2.4L		¶606542109
SKO	IX	06 00 38 37.9	41.81N	20.13E	33	2.4L		
PDG	IX	06 00 38 37.8–.16	41.80N	20.15E	8–0	2.4L		
TIR	IX	06 00 38 37.1	41.79N	20.12E	1	3.0		
BEO	IX	06 00 38 39.1–.60	41.87N	20.16E	3–4	2.1L		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=90.0.							
BEO	Event type ke.							
ISC	IX	**08 14 30 16.7–.98**	**41.33N–.02**	**20.92E–.02**	**7–8**		**147**	**0-6**
TIR	IX	08 14 30 15.0	41.36N	20.95E	7	3.1		¶606542114
SKO	IX	08 14 30 15.9	41.33N	20.87E	15	3.0L,2.7		
THE	IX	08 14 30 16.2	41.33N	20.88E	6–1	2.9L,2.7		
ATH	IX	08 14 30 16.3	41.34N	20.93E	15–4	2.9L,2.7		
PDG	IX	08 14 30 17.5–.62	41.42N	20.96E	6–1	3.2L,2.7		
BEO	IX	08 14 30 17.9–.60	41.35N	20.97E	8–3	2.8L,2.7		
SIK	IX	08 14 30 18.4–23	41.4N–.90	21E–1.0	0	3.5L,2.7		
ISC	Event type ke.							
THE	Event type ke.							
ATH	Event type ke. ML Amplitudes are expressed in micrometres All distances are expressed in km.							
PDG	Event type ke.							
BEO	Event type ke.							
ISC	IX	**09 10 23 27.9–.91**	**40.61N–.02**	**19.64E–.02**	**22–7**	**3.3b**	**151**	**0-45**
IDC	IX	09 10 23 24.9–1.4	40.70N	19.64E	0	3.6,3.4		¶606542117
THE	IX	09 10 23 25.7	40.76N	19.66E	14–1	3.1L,3.4		
TIR	IX	09 10 23 25.6	40.69N	19.64E	3	3.4,3.4		
PDG	IX	09 10 23 26.9–.69	40.69N	19.63E	13–1	3.2L,3.4		
BEO	IX	09 10 23 27.9–.70	40.89N	19.58E	0	2.7L,3.4		
SIK	IX	09 10 23 37.9–33	41N–2.0	20E–1.0	0	3.0L,3.4		
ISC	Event type ke.							
THE	Event type ke.							
PDG	Event type ke.							
BEO	Event type ke.							
ISC	IX	**15 15 00 29.0–1.2**	**41.87N–.05**	**19.27E–.03**	**15–5**		**75**	**0-4**
ISCJB	IX	15 15 00 27.5–.85	41.83N–.04	19.22E–.04	6–3			¶601780616
SAR	IX	15 15 00 28.1–.81	41.82N	19.28E	6–2	2.5L		
PDG	IX	15 15 00 29.0–.07	41.90N	19.23E	16–0	2.6L,2.5		
BEO	IX	15 15 00 31.5–.80	42.01N	19.36E	7–4	2.3L,2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=12.4.							
PDG	Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=90.0.							
BEO	Event type ke.							
ISC	IX	**16 00 46 19.3–.78**	**41.11N–.03**	**19.75E–.03**	**10**		**51**	**1-6**
ISCJB	IX	16 00 46 19.9–.39	41.14N–.03	19.74E–.04	10			¶602030007
BEO	IX	16 00 46 19.8–1.0	41.07N	19.76E	2–7			
THE	IX	16 00 46 20.6	41.13N	19.86E	1–2	2.4L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=44.2.							
BEO	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=59.0.							
ISC	IX	**16 03 47 52.6–1.3**	**40.37N–.03**	**19.46E–.03**	**4–11**		**72**	**1-5**
ISCJB	IX	16 03 47 52.4–.95	40.38N–.03	19.44E–.03	2–7			¶602030016
THE	IX	16 03 47 52.2	40.35N	19.37E	0–3	2.5L		
ATH	IX	16 03 47 52.8	40.36N	19.47E	25–3	2.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=22.7.							
THE	Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=249.0.							
ATH	Event type ke. Error ellipse: s-maj=5.8km s-min=2.3km az=172.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.							
ISC	IX	**16 10 50 59.5–.88**	**41.12N–.01**	**19.75E–.02**	**13–6**		**233**	**0-44**
IDC	IX	16 10 50 56.3–2.7	41.06N	19.62E	0	3.7,3.6L		¶606542127
PRU	IX	16 10 50 56.2–.00	40.98N	19.97E	0	3.7,3.6L		
ISCJB	IX	16 10 50 58.0–.36	41.16N–.01	19.72E–.02	2–2	3.0b,3.6L		
ATH	IX	16 10 50 57.7	41.36N	19.77E	38–1	3.3L,3.6L		
BEO	IX	16 10 50 58.3–.50	41.05N	19.74E	5–2	3.3L,3.6L		
TIR	IX	16 10 50 59.4	41.12N	19.96E	9	3.5,3.6L		
THE	IX	16 10 50 59.5	41.16N	19.78E	0–2	3.1L,3.6L		
SAR	IX	16 10 50 59.8–.66	41.07N	19.56E	14–3	3.6L,3.6L		
PDG	IX	16 10 51 00.1–.53	41.19N	19.74E	16–0	3.3L,3.6L		
SKO	IX	16 10 51 02.3	41.30N	19.90E	7	3.3L,3.6L		
SIK	IX	16 10 51 06.5–37	41N–2.0	19.7E–.90	0	3.2L,3.6L		
ISC	Event type ke.							
ISCJB	Event type ke.							
ATH	Event type ke. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.							
BEO	Event type ke.							
THE	Event type ke.							
PDG	Event type ke.							
ISC	IX	**16 11 12 57.1–.88**	**41.16N–.02**	**19.84E–.02**	**13–6**		**99**	**0-6**
ATH	IX	16 11 12 55.4	41.35N	19.78E	33–2	2.5L		¶606542128
BEO	IX	16 11 12 55.6–.50	41.06N	19.85E	3–2	2.5L		
PDG	IX	16 11 12 56.4–.22	41.12N	19.73E	11–0	2.7L		
TIR	IX	16 11 12 57.6	41.16N	19.97E	9	2.7		
SKO	IX	16 11 12 58.6	41.13N	19.90E	0	2.7		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=5.2km s-min=1.2km az=7.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.							
BEO	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.							
ISC	IX	**16 15 39 31.9–.97**	**41.11N–.01**	**19.82E–.02**	**8–8**		**211**	**0-9**
ATH	IX	16 15 39 31.2	41.13N	19.78E	18–1	3.1L		¶606542130
TIR	IX	16 15 39 31.6	41.16N	20.00E	11	3.5		
BEO	IX	16 15 39 31.6–.40	41.10N	19.81E	0–2	3.5		
SIK	IX	16 15 39 32.8–60	41N–9.0	21E–9.0	127–999	3.5L		
PDG	IX	16 15 39 32.5–.47	41.17N	19.90E	11–0	3.3L		
THE	IX	16 15 39 32.1	41.17N	19.84E	0–1	2.9L		
SKO	IX	16 15 39 35.1	41.34N	19.96E	4	3.0L,2.6		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=357.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.							
BEO	Event type ke.							
SIK	Error ellipse: s-maj=1999.8km s-min=979.1km az=48.0.							

PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.1km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=281.0.
ISC IX 16 16 46 48.3–1.2 41.12N–.03 19.72E–.05 12–9 21 0-2
ATH IX 16 16 46 46.1 41.44N 19.68E 39–2 2.3L ¶606542131
SKO IX 16 16 46 48.5 41.03N 19.74E 0 2.3L
TIR IX 16 16 46 48.5 41.10N 19.94E 8 2.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.9km s-min=2.2km az=6.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 16 19 30 32.2–.89 41.17N–.03 19.86E–.04 17–6 32 0-5
ATH IX 16 19 30 30.9 41.14N 19.77E 15–5 2.2L ¶606542132
ISCJB IX 16 19 30 32.4–.65 41.22N–.03 19.80E–.06 21–5 2.2L
TIR IX 16 19 30 32.4 41.14N 19.95E 8 2.6
SKO IX 16 19 30 35.3 41.40N 19.91E 0 2.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.7km az=11.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=176.9.
ISC IX 16 23 38 35.8–1.3 41.21N–.05 19.88E–.05 13–9 18 0-4
TIR IX 16 23 38 35.3 41.14N 19.92E 3 2.7 ¶606542133
SKO IX 16 23 38 37.0 41.17N 19.81E 0 2.7
ISC Event type ke.
ISC IX 16 23 40 24.8–.93 41.17N–.03 19.82E–.04 16–6 38 0-4
ATH IX 16 23 40 23.5 41.12N 19.76E 16–2 2.0L ¶606542134
TIR IX 16 23 40 24.3 41.14N 19.95E 8 2.7
SKO IX 16 23 40 25.7 41.16N 19.82E 0 2.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=58.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 17 05 54 34.1–1.1 41.32N–.03 19.43E–.03 14–9 74 0-3
TIR IX 17 05 54 31.1 41.26N 19.60E 15 2.9 ¶606542135
ISCJB IX 17 05 54 32.7–.68 41.31N–.03 19.40E–.04 2–3 2.9
PDG IX 17 05 54 34.3–.40 41.35N 19.46E 17–0 2.6L
SKO IX 17 05 54 34.8 41.32N 19.49E 15 2.6L
BEO IX 17 05 54 35.3–.50 41.40N 19.51E 9–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.9km az=136.4.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.7km az=0.0.
BEO Event type ke.
ISC IX 20 02 11 30.4–.97 41.37N–.02 19.57E–.03 14–7 62 0-51
SKO IX 20 02 11 28.0 41.21N 19.33E 14 ¶606542138
PDG IX 20 02 11 30.4–.60 41.36N 19.53E 11–1 2.4L
TIR IX 20 02 11 30.7 41.34N 19.55E 19 3.2
THE IX 20 02 11 31.2 41.52N 19.78E 12–0 2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=67.0.
ISC IX 28 02 25 17.8–1.1 41.86N–.02 20.56E–.02 4–10 34 0-2
SKO IX 28 02 25 16.6 41.88N 20.59E 21 2.0L,1.5 ¶606542155
TIR IX 28 02 25 16.0 41.88N 20.53E 6 2.7,1.5
ISCJB IX 28 02 25 17.2–.69 41.90N–.02 20.59E–.03 7–26 2.7,1.5
BEO IX 28 02 25 19.7–.30 41.89N 20.62E 0 1.6L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=137.2.
BEO Event type ke.
ISC IX 29 12 43 45.5–.97 41.99N–.02 20.19E–.02 11–8 53 0-2
PDG IX 29 12 43 44.0–.17 42.01N 20.26E 13–0 2.4L ¶606542157
TIR IX 29 12 43 44.3 42.01N 20.21E 7 2.5
SKO IX 29 12 43 46.4 42.01N 20.17E 13 2.2L,1.7
BEO IX 29 12 43 47.4–.40 42.05N 20.19E 0 1.8L,1.7
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC X 02 22 24 48.1–1.1 41.84N–.03 19.43E–.02 8–8 87 0-4
SAR X 02 22 24 48.0–.86 41.81N 19.45E 5–2 2.1L ¶606635543
TIR X 02 22 24 48.7 41.90N 19.41E 7 2.7
ISCJB X 02 22 24 48.8–.47 41.89N–.02 19.40E–.03 6–3 2.7
PDG X 02 22 24 49.1–.11 41.87N 19.36E 11–0 2.0,1.9L
BEO X 02 22 24 50.8–.70 41.93N 19.46E 4–2 1.7L,1.9L
SIK X 02 22 24 52.2–.00 42.06N 19.59E 5 1.9L,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=30.1.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
ISC X 03 18 45 32.2–.89 40.16N–.01 19.77E–.02 16–6 3.7b 254 0-79
IDC X 03 18 45 29.2–.96 40.03N 19.67E 0 3.8L,3.7 ¶606635546
ATH X 03 18 45 31.6 40.17N 19.73E 12–1 3.5L,3.7
THE X 03 18 45 32.8 40.15N 19.77E 0–1 3.4L,3.7
TIR X 03 18 45 32.2 40.10N 19.81E 9 3.8,3.7
PDG X 03 18 45 33.0–.46 40.14N 19.72E 10–1 3.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=11.7km az=42.0.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=115.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=284.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
ISC X 04 22 19 03.3–1.1 41.00N–.03 19.89E–.05 14–9 20 0-2
TIR X 04 22 19 02.1 40.97N 19.91E 8 2.8 ¶606635552
ATH X 04 22 19 03.5 41.01N 19.93E 18–6 1.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.6km s-min=1.9km az=141.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 07 22 08 54.0–1.6 41.33N–.07 19.44E–.05 7–10 38 0-2
TIR X 07 22 08 52.2 41.27N 19.36E 4 2.7 ¶606635561
PDG X 07 22 08 55.2–.18 41.40N 19.51E 13–0 2.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
ISC X 09 18 22 28.5–2.3 41.12N–.09 19.26E–.07 5–13 19 1-2
TIR X 09 18 22 27.0 41.09N 19.27E 7 2.6 ¶606635564
BEO X 09 18 22 30.6–1.1 41.14N 19.27E 0 1.9L
ISC Event type ke.
BEO Event type ke.
ISC X 10 00 19 56.3–1.2 41.29N–.03 19.37E–.03 11–9 74 0-5
TIR X 10 00 19 54.6 41.31N 19.34E 3 2.9 ¶606635566
BEO X 10 00 19 55.3–.80 41.17N 19.26E 0 2.0L
PDG X 10 00 19 57.4–.43 41.37N 19.45E 3–1 2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
ISC X 12 06 01 49.4–.89 41.94N–.02 19.88E–.02 12–6 88 0-4
TIR X 12 06 01 47.8 41.94N 19.83E 26 2.8 ¶606635571
SIK X 12 06 01 48.7–2.2 41.9N–.10 19.9E–.10 0 2.8L
SKO X 12 06 01 49.5 41.95N 19.81E 23 2.5L,2.1
PDG X 12 06 01 49.2–.23 41.95N 19.86E 10–0 3.0,2.9L
BEO X 12 06 01 50.2–.30 41.94N 19.89E 4–2 2.2L,2.9L
ISC Event type ke.
SIK Error ellipse: s-maj=44.8km s-min=30.4km az=136.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
BEO Event type ke.
ISC X 15 01 16 40.4–.96 40.74N–.02 19.65E–.03 11–9 48 0-3
ATH X 15 01 16 37.0 40.89N 19.50E 17–2 2.1L ¶606635574
ISCJB X 15 01 16 40.0–.49 40.74N–.02 19.63E–.04 7–4 2.1L
THE X 15 01 16 39.7 40.72N 19.61E 18–1 2.0L
TIR X 15 01 16 39.5 40.72N 19.67E 5 3.0
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=2.2km az=129.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=14.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=268.0.
ISC X 19 04 40 30.1–.85 40.06N–.01 19.86E–.02 14–6 153 0-6
BEO X 19 04 40 26.3–1.2 39.83N 19.39E 11–6 2.8L ¶606635579
TIR X 19 04 40 29.8 40.03N 19.86E 18 3.2
THE X 19 04 40 30.4 40.06N 19.90E 2–1 2.6L
ATH X 19 04 40 30.1 40.06N 19.88E 16–0 2.7L
PDG X 19 04 40 31.4–.28 40.13N 19.88E 3–0 3.0L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=238.0.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=195.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
ISC X 20 21 42 22.1–1.3 41.51N–.04 20.74E–.03 9–11 30 0-2
SKO X 20 21 42 20.4 41.52N 20.62E 17 1.8L,1.0 ¶606635584
TIR X 20 21 42 21.6 41.41N 20.62E 7 2.6,1.0
BEO X 20 21 42 25.1–.70 41.56N 20.91E 10–5 1.5L,1.0
ISC Event type ke.
BEO Event type ke.
ISC X 21 06 38 47.0–1.1 41.91N–.04 19.22E–.03 12–6 60 0-2
TIR X 21 06 38 45.2 41.89N 19.16E 7 2.8 ¶606635586
ISCJB X 21 06 38 46.6–.64 41.92N–.03 19.23E–.03 9–3 2.8
PDG X 21 06 38 47.1–.10 41.93N 19.22E 13–0 2.1,2.0L
SAR X 21 06 38 48.0–.99 41.94N 19.29E 6–2 1.9L,2.0L
BEO X 21 06 38 48.1–.40 41.96N 19.27E 8–4 1.8L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=26.7.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.3km az=0.0.
BEO Event type ke.
ISC X 24 18 34 09.2–1.0 40.12N–.03 19.86E–.03 10–9 47 0-3
ATH X 24 18 34 08.7 40.16N 19.89E 10–2 2.1L ¶606635592
THE X 24 18 34 08.9 40.12N 19.85E 0–2 1.9L
TIR X 24 18 34 08.5 40.14N 19.98E 5 2.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=173.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=282.0.
ISC X 25 13 14 23.6–.83 41.75N–.02 20.37E–.02 8–6 98 0-5
SIK X 25 13 14 18.4–31 42N–1.0 21E–2.0 37–92 2.4L ¶606635593
TIR X 25 13 14 22.0 41.83N 20.47E 12 2.5
THE X 25 13 14 23.9 41.79N 20.42E 0–4 2.3L
PDG X 25 13 14 23.4–.24 41.77N 20.37E 11–0 2.5L
BEO X 25 13 14 24.8–.30 41.78N 20.38E 16–3 2.0L
SKO X 25 13 14 24.2 41.70N 20.45E 12 2.1L,1.8
ISC Event type ke.
SIK Error ellipse: s-maj=621.7km s-min=182.7km az=115.0.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.7km az=356.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC X 26 14 05 17.1–1.1 41.27N–.04 20.96E–.02 14–8 60 0-2
TIR X 26 14 05 15.5 41.42N 20.99E 20 2.9 ¶606635597
SKO X 26 14 05 16.2 41.38N 21.00E 15 1.9L,1.5
PDG X 26 14 05 17.4–.39 41.36N 20.94E 3–0 2.8L,1.5
BEO X 26 14 05 18.1–.60 41.39N 21.05E 0 2.0L,1.5
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=90.0.
BEO Event type ke.
ISC X 26 17 13 55.0–.97 41.80N–.02 20.38E–.02 6–8 94 0-3
TIR X 26 17 13 54.7 41.81N 20.41E 8 2.6 ¶606635598
SAR X 26 17 13 55.3–.83 41.66N 20.41E 5–3 2.5L
SKO X 26 17 13 56.1 41.73N 20.44E 10 2.1L,1.8
PDG X 26 17 13 56.9–.28 41.81N 20.30E 3–0 2.5L,1.8
BEO X 26 17 13 57.2–.30 41.80N 20.40E 9–2 2.1L,1.8
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC X 30 10 46 18.9–.91 41.43N–.02 20.00E–.02 15–7 75 0-3
BEO X 30 10 46 15.1–1.2 41.11N 20.08E 12–4 2.5L ¶601879536
TIR X 30 10 46 17.2 41.40N 19.99E 26 3.0
THE X 30 10 46 18.1 41.52N 19.93E 17–1 2.5L
PDG X 30 10 46 18.6–.21 41.42N 19.97E 15–0 2.9L
SKO X 30 10 46 19.0 41.41N 19.98E 15 2.9L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=307.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
ISC X 30 10 47 02.6–.80 41.43N–.01 20.01E–.02 18–5 195 0-9
SAR X 30 10 47 01.5–.67 41.36N 19.99E 12–2 3.4L ¶606635602
SKO X 30 10 47 02.0 41.43N 19.97E 21 3.4L
BEO X 30 10 47 02.6–.30 41.41N 20.02E 17–2 3.1L
THE X 30 10 47 02.3 41.50N 20.05E 2–1 3.1L
TIR X 30 10 47 02.1 41.45N 20.02E 15 3.5
PDG X 30 10 47 02.8–.40 41.46N 19.95E 13–0 3.4,3.4L
ISCJB X 30 10 47 03.3–.28 41.47N–.01 20.02E–.02 19–3 3.4,3.4L
ISC Event type ke.
BEO Event type ke.
THE Event type ke.
PDG Event type ke.
ISCJB Event type ke.
ISC X 30 22 55 10.5–.85 40.32N–.02 19.55E–.02 12–6 187 0-8
TIR X 30 22 55 09.2 40.36N 19.63E 20 3.2 ¶606635603
ISCJB X 30 22 55 10.5–.33 40.33N–.01 19.52E–.02 17–3 3.2
ATH X 30 22 55 10.6 40.33N 19.50E 38–2 2.9L
BEO X 30 22 55 10.9–.70 40.24N 19.56E 29–3 2.6L
THE X 30 22 55 10.6 40.30N 19.54E 3–0 2.8L
PDG X 30 22 55 10.8–.44 40.39N 19.57E 16–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=149.5.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.2km az=221.0. Analyst: CHARALAMPAKIS ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=253.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ISC XI 01 18 53 08.9–.93 40.67N–.02 19.69E–.03 15–8 59 0-3
TIR XI 01 18 53 07.7 40.68N 19.74E 7 3.1 ¶606794603
ISCJB XI 01 18 53 08.9–.47 40.70N–.02 19.68E–.04 17–6 3.1
ATH XI 01 18 53 09.2 40.70N 19.82E 29–2 2.3L
BEO XI 01 18 53 11.5–.70 40.77N 19.73E 27–2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=172.6.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=309.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.
ISC XI 02 04 43 37.9–1.0 41.24N–.02 20.37E–.02 5–9 73 0-3
ATH XI 02 04 43 37.2 41.27N 20.37E 21–2 2.2L ¶604481823
ISCJB XI 02 04 43 37.6–.46 41.25N–.02 20.38E–.03 1–3 2.2L
SKO XI 02 04 43 37.3 41.23N 20.34E 15 2.2L,1.6
TIR XI 02 04 43 37.5 41.25N 20.36E 7 2.7,1.6
BEO XI 02 04 43 38.8–.40 41.22N 20.37E 5–2 2.0L,1.6
THE XI 02 04 43 38.1 41.26N 20.38E 6–1 1.9L,1.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=210.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=143.9.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=298.0.
ISC XI 05 21 16 38.4–1.0 41.33N–.02 19.38E–.03 13–9 54 0-3
ATH XI 05 21 16 37.1 41.41N 19.37E 21–3 2.5L ¶606794612
ISCJB XI 05 21 16 38.5–.48 41.36N–.02 19.38E–.04 10–3 2.5L
SAR XI 05 21 16 38.8–1.1 41.33N 19.50E 10–3 2.6L
TIR XI 05 21 16 38.5 41.31N 19.38E 7 2.8
BEO XI 05 21 16 39.4–.70 41.34N 19.45E 16–3 2.5L
ISC Event type ke.

ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.8km az=345.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=158.3.
BEO Event type ke.

ISC	**XI**	**06 20 54 15.4–1.1**	**41.31N–.02**	**19.36E–.03**	**6–9**		**88**	**0-4**
ATH	XI	06 20 54 13.8	41.32N	19.38E	15–2	2.1L		**¶606794614**
TIR	XI	06 20 54 14.7	41.32N	19.40E	3	2.7		
SAR	XI	06 20 54 15.3–.91	41.24N	19.29E	8–3	2.4L		
PDG	XI	06 20 54 16.2–.25	41.37N	19.45E	11–0	2.4L		
SIK	XI	06 20 54 21.3–8.2	41.8N–.50	19.6E–.20	0	1.6L		

ISC Event type ke.
ATH Event type ke. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke.

ISC	**XI**	**10 03 21 06.7–1.1**	**41.74N–.02**	**19.56E–.02**	**1–10**		**125**	**0-5**
SAR	XI	10 03 21 05.9–.70	41.64N	19.60E	6–2	2.9L		**¶606794621**
TIR	XI	10 03 21 05.5	41.73N	19.50E	8	2.9		
ISCJB	XI	10 03 21 06.3–.43	41.73N–.02	19.57E–.02	2–2	2.9		
PDG	XI	10 03 21 07.1–.19	41.75N	19.57E	3–0	2.9,2.8L		
BEO	XI	10 03 21 08.1–.30	41.74N	19.60E	4–2	2.4L,2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=33.6.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
BEO Event type ke.

ISC	**XI**	**12 15 29 28.4–1.0**	**41.56N–.02**	**19.64E–.02**	**11–9**		**107**	**0-5**
TIR	XI	12 15 29 27.9	41.58N	19.78E	33	2.9		**¶601991791**
PDG	XI	12 15 29 29.5–.29	41.59N	19.70E	13–0	2.6L		
ISCJB	XI	12 15 29 29.3–.35	41.62N–.02	19.69E–.03	12–2	2.6L		
SAR	XI	12 15 29 29.7–.90	41.66N	19.78E	11–4	2.5L		
BEO	XI	12 15 29 30.0–.50	41.57N	19.72E	17–4	2.4L		
THE	XI	12 15 29 30.8	41.62N	19.77E	8–1	2.1L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.8km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=138.4.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=317.0.

ISC	**XI**	**12 23 28 52.6–.81**	**40.68N–.02**	**19.69E–.02**	**19–2**	**3.7b**	**143**	**0-59**
ATH	XI	12 23 28 51.2	40.80N	19.70E	27–1	3.4L		**¶602389309**
TIR	XI	12 23 28 51.5	40.70N	19.74E	12	3.6		
ISCJB	XI	12 23 28 52.2–.41	40.75N–.02	19.61E–.03	20–4	3.8b		
THE	XI	12 23 28 52.5	40.69N	19.73E	0–2	3.3L		
IDC	XI	12 23 28 55.0–2.0	40.63N	19.63E	41–21	3.7,3.7		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=355.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=41.2.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=264.0.
IDC Error ellipse: s-maj=19.4km s-min=14.2km az=55.0.

ISC	**XI**	**16 08 00 55.5–.83**	**41.46N–.02**	**19.93E–.02**	**14–6**		**84**	**0-3**
ATH	XI	16 08 00 53.3	41.57N	19.98E	20–1	2.4L		**¶601992190**
PDG	XI	16 08 00 54.7–.16	41.45N	19.93E	14–0	2.6L		
SAR	XI	16 08 00 55.7–.95	41.44N	19.85E	11–3	2.5L		
THE	XI	16 08 00 55.3	41.47N	19.95E	13–0	2.2L		
SKO	XI	16 08 00 55.7	41.44N	19.88E	14	2.2L		
BEO	XI	16 08 00 56.4–.30	41.48N	19.91E	5–3	2.4L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.2km az=199.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=90.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=141.0.
BEO Event type ke.

ISC	**XI**	**16 22 43 55.5–1.2**	**41.50N–.04**	**20.66E–.03**	**1–12**		**20**	**0-2**
TIR	XI	16 22 43 53.8	41.57N	20.76E	3	2.7		**¶606794636**
SKO	XI	16 22 43 54.2	41.58N	20.69E	20	1.6L,1.1		
ATH	XI	16 22 43 56.1	41.55N	20.75E	9–31	1.7L,1.1		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=4.2km az=0.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XI**	**19 17 41 48.4–1.0**	**41.86N–.03**	**19.44E–.02**	**9–8**		**98**	**0-6**
TIR	XI	19 17 41 47.5	41.86N	19.31E	8	3.2		**¶606794641**
ISCJB	XI	19 17 41 48.8–.43	41.88N–.02	19.38E–.03	10–2	3.2		
PDG	XI	19 17 41 48.9–.14	41.87N	19.36E	13–1	2.7,2.6L		
SAR	XI	19 17 41 48.3–.81	41.86N	19.52E	6–3	2.7L,2.6L		
BEO	XI	19 17 41 50.4–.40	41.91N	19.44E	1–2	2.3L,2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=39.9.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.

ISC	**XI**	**20 02 11 52.3–.95**	**41.72N–.04**	**20.29E–.04**	**13–6**		**28**	**0-2**
TIR	XI	20 02 11 52.3	41.71N	20.27E	6	2.5		**¶606794642**
BEO	XI	20 02 11 53.7–1.0	41.79N	20.45E	2–7	1.8L		
SKO	XI	20 02 11 55.2	41.62N	20.50E	15	2.1L,1.6		

ISC Event type ke.
BEO Event type ke.

ISC	**XI**	**22 22 24 35.3–.88**	**41.28N–.02**	**20.01E–.02**	**11–6**		**88**	**0-5**
TIR	XI	22 22 24 34.9	41.28N	20.01E	15	2.9		**¶606794644**
BEO	XI	22 22 24 35.6–.70	41.20N	19.90E	1–2	2.3L		
PDG	XI	22 22 24 35.4–.30	41.30N	20.03E	11–0	2.5L		
SKO	XI	22 22 24 36.3	41.32N	19.99E	7	2.3L,1.9		

ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.

ISC	**XI**	**25 22 35 12.7–1.1**	**41.91N–.05**	**19.29E–.03**	**9–6**		**71**	**0-2**
TIR	XI	25 22 35 11.5	41.90N	19.27E	6	2.5		**¶606794650**
ISCJB	XI	25 22 35 12.1–.68	41.90N–.03	19.32E–.03	5–3	2.5		
PDG	XI	25 22 35 12.8–.13	41.92N	19.29E	12–0	2.1,2.0L		
SAR	XI	25 22 35 12.0–.93	41.87N	19.40E	4–3	2.0L,2.0L		
BEO	XI	25 22 35 15.4–.80	42.00N	19.39E	7–4	1.7L,2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=21.8.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.

ISC	**XI**	**26 06 37 09.5–.86**	**40.33N–.02**	**19.54E–.03**	**12–6**		**54**	**0-3**
TIR	XI	26 06 37 08.1	40.33N	19.56E	7	3.1		**¶606794665**
ISCJB	XI	26 06 37 09.4–.46	40.32N–.02	19.54E–.03	2–4	3.1		
ATH	XI	26 06 37 09.4	40.35N	19.50E	29–2	2.3L		
THE	XI	26 06 37 09.7	40.30N	19.53E	8–1	2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=164.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=226.0. Analyst: Daskalaki ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.4km az=254.0.

ISC	**XI**	**26 22 05 16.3–.85**	**41.66N–.01**	**20.12E–.01**	**12–6**		**476**	**0-85**
IDC	XI	26 22 05 14.0–.72	41.57N	20.14E	0	3.9,3.8		**¶606794670**
THE	XI	26 22 05 14.8	41.82N	20.08E	7–1	3.9L,3.8		
ISCJB	XI	26 22 05 15.2–.22	41.667N–.01	20.08E–.01	9–1	3.9L,3.8		
PDG	XI	26 22 05 15.8–.75	41.66N	20.07E	9–1	3.9,3.9L		
SAR	XI	26 22 05 15.4–.58	41.59N	20.15E	4–2	4.2L,3.9L		
SIK	XI	26 22 05 15.6–3.1	41.7N–.20	20.1E–.20	0	3.6L,3.9L		
TIR	XI	26 22 05 15.1	41.66N	20.11E	21	4.0,3.9L		
MOS	XI	26 22 05 16.8–1.1	41.67N	20.11E	20	4.2b,3.9L		
PRU	XI	26 22 05 16.9–.00	41.33N	20.15E	22	4.2b,3.9L		
SKO	XI	26 22 05 16.1	41.64N	20.08E	10	4.2b,3.9L		
BEO	XI	26 22 05 16.5–.30	41.62N	20.14E	9–2	3.7L,3.9L		
LDG	XI	26 22 05 16.9–.17	41.70N	20.26E	10	3.8L,3.9L		

ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=10.3km az=7.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=140.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
SIK Error ellipse: s-maj=70.9km s-min=37.1km az=139.0.
MOS Error ellipse: s-maj=4.6km s-min=3.4km az=101.2.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=163.0.

ISC	**XI**	**26 23 21 04.7–1.1**	**41.65N–.04**	**20.14E–.04**	**13–10**		**14**	**0-2**
TIR	XI	26 23 21 04.4	41.66N	20.11E	7	2.8		**¶602042718**
SKO	XI	26 23 21 04.8	41.65N	20.12E	17	2.8		
BEO	XI	26 23 21 04.2–.80	41.63N	20.24E	8–9	1.8L		

ISC Event type ke.
BEO Event type ke.

ISC	**XI**	**27 00 17 17.1–.94**	**41.68N–.02**	**20.11E–.02**	**10–8**		**105**	**0-5**
THE	XI	27 00 17 15.5	41.82N	20.07E	12–2	2.3L		**¶601994700**
TIR	XI	27 00 17 16.0	41.68N	20.16E	18	3.2		
BEO	XI	27 00 17 17.9–.30	41.67N	20.13E	3–3	2.1L		
SKO	XI	27 00 17 17.6	41.64N	20.13E	4	2.1L		
PDG	XI	27 00 17 18.2–.20	41.70N	20.03E	9–0	2.5L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.9km az=143.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.

ISC	**XI**	**27 05 02 38.0–.00**	**41.65N–.02**	**20.09E–.02**	**7–8**		**113**	**0-5**
TIR	XI	27 05 02 37.0	41.63N	20.13E	20	3.0		**¶606794675**
THE	XI	27 05 02 37.5	41.71N	20.12E	4–3	2.5L		
BEO	XI	27 05 02 38.5–.30	41.65N	20.18E	5	2.3L		
PDG	XI	27 05 02 38.2–.28	41.66N	20.01E	8–0	2.7L		
SKO	XI	27 05 02 38.1	41.68N	20.10E	0	2.7L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.8km az=158.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.

ISC	**XI**	**27 19 06 22.4–.89**	**40.78N–.02**	**19.69E–.02**	**24–7**	**4.3b,3.1s**	**554**	**0-78**
BEO	XI	27 19 06 19.4–.70	40.67N	19.47E	4–2	3.8L,3.1s		**¶601994871**
LDG	XI	27 19 06 20.3–.13	40.78N	19.59E	10	4.5L,3.1s		
MOS	XI	27 19 06 20.1–1.4	40.82N	19.61E	15	4.6b,3.1s		
SKO	XI	27 19 06 20.5	40.63N	19.65E	3	4.6b,3.1s		
ATH	XI	27 19 06 21.8	40.82N	19.66E	34–2	3.8L,3.1s		
TIR	XI	27 19 06 21.8	40.77N	19.77E	16	3.9,3.1s		
PDG	XI	27 19 06 21.9–.62	40.76N	19.64E	21–1	4.0,3.9L		
NEIC	XI	27 19 06 21.8–.00	40.77N	19.77E	16	4.4b,3.9W		
THE	XI	27 19 06 22.2	40.78N	19.81E	0–1	3.8L,3.9W		
IDC	XI	27 19 06 25.3–1.4	40.78N	19.71E	49–16	3.9,3.8L		

ISC Event type fe.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=34.0.
MOS Error ellipse: s-maj=4.0km s-min=3.2km az=98.5.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=294.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
NEIC Event type fe. Felt at Berat. After TIR. Moment Tensor Solution. s14 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.56 $M_{\theta\theta}$2.26 $M_{\phi\phi}$-0.70 $M_{r\theta}$3.75 $M_{\theta\phi}$-1.40 $M_{\phi r}$-6.25 Best double couple: NP1: ϕ_s79.00000°,δ16.00000°,λ-158.00000°. NP2:ϕ_s327.00000°,δ84.00000°,λ-75.00000°. Principal axes: T 7.6200,Plg37.0000°,Azm44.0000°; N 0.1200,Plg15.0000°,Azm146.0000° ; P -7.7400,Plg49.0000°,Azm253.0000° $M_0$7.70000×10^{14}
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.3km az=307.0.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=140.0.

ISC	**XI**	**30 09 39 56.2–1.1**	**40.75N–.01**	**19.61E–.02**	**0–10**		**130**	**0-8**
BEO	XI	30 09 39 55.3–.80	40.70N	19.44E	0	3.0L		**¶601995421**
ATH	XI	30 09 39 56.7	40.76N	19.69E	17–1	2.8L		
THE	XI	30 09 39 56.7	40.81N	19.62E	6–1	3.0L		
TIR	XI	30 09 39 56.0	40.71N	19.63E	2	3.4		
PDG	XI	30 09 39 56.7–.56	40.79N	19.43E	4–1	3.2L		

ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=168.0. Analyst: F.Halaris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=288.0.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.9km az=0.0.

ISC	**XII**	**01 06 25 01.1–.98**	**41.86N–.02**	**19.66E–.02**	**10–8**		**97**	**0-4**
TIR	XII	01 06 24 59.7	41.87N	19.57E	7	2.8		**¶602329866**
SAR	XII	01 06 24 59.7–.91	41.79N	19.73E	3–3	2.6L		
BEO	XII	01 06 25 01.4–.30	41.89N	19.72E	12–3	2.4L		
PDG	XII	01 06 25 01.2–.21	41.87N	19.64E	7–0	2.7,2.6L		

ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.

ISC	**XII**	**02 07 54 44.2–2.0**	**41.99N–.06**	**20.60E–.05**	**22–11**		**15**	**0-2**
TIR	XII	02 07 54 43.3	42.04N	20.57E	7	2.6		**¶606859654**
BEO	XII	02 07 54 47.6–1.6	42.16N	20.64E	17–3	1.7L		

ISC Event type ke.
BEO Event type ke.

ISC	**XII**	**04 17 37 25.0–.91**	**40.13N–.02**	**19.97E–.02**	**10–7**		**103**	**0-4**
ATH	XII	04 17 37 23.3	40.18N	19.88E	17–1	2.7L		**¶602330080**
TIR	XII	04 17 37 23.7	40.14N	20.03E	20	2.9		
ISCJB	XII	04 17 37 24.7–.41	40.11N–.02	19.96E–.03	6–3	2.9		
PDG	XII	04 17 37 24.4–.21	40.12N	19.96E	11–0	3.2L		
THE	XII	04 17 37 25.0	40.10N	20.01E	0–2	2.6L		
BEO	XII	04 17 37 26.3–.50	40.06N	19.99E	15–4	2.7L		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=123.0. Analyst: A. Ganas ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=158.2.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=281.0.
BEO Event type ke.

ISC	**XII**	**08 22 57 18.1–.96**	**41.29N–.02**	**20.51E–.02**	**8–7**	**3.9b**	**232**	**0-93**
PRU	XII	08 22 57 11.7–.00	40.53N	20.51E	3	3.9b		**¶602032208**
SKO	XII	08 22 57 16.7	41.31N	20.50E	15	3.8L,3.4		
IDC	XII	08 22 57 16.2–.83	41.20N	20.45E	0	3.8,3.7		
ATH	XII	08 22 57 16.6	41.38N	20.56E	18–1	3.5L,3.7		
TIR	XII	08 22 57 16.5	41.30N	20.52E	4	3.7,3.7		
ISCJB	XII	08 22 57 17.4–.32	41.30N–.01	20.54E–.02	5–2	3.8b,3.7		
THE	XII	08 22 57 17.8	41.33N	20.57E	0–1	3.5L,3.7		
PDG	XII	08 22 57 17.8–.58	41.28N	20.51E	12–1	3.8,3.7L		
BEO	XII	08 22 57 17.4–.70	41.18N	20.52E	9–4	3.4L,3.7L		

ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.1km az=25.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=1.1km az=11.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=136.9.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=291.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
BEO Event type ke.

SKO	**XII**	**09 00 53 58.7**	**41.31N**	**20.47E**	**0**	**1.5L,1.1**		
								¶604482017
ISC	**XII**	**13 08 00 16.2–1.1**	**41.86N–.02**	**20.69E–.03**	**7–10**		**37**	**0-2**
SKO	XII	13 08 00 00.9	42.32N	19.59E	15	2.1L,1.8		**¶602545713**
BEO	XII	13 08 00 19.6–.60	41.94N	20.88E	5–5	1.7L,1.8		
TIR	XII	13 08 00 26.6	41.44N	20.23E	7	2.5,1.8		

ISC Event type ke.
BEO Event type ke.

ISC	**XII**	**13 21 39 27.8–.68**	**41.14N–.01**	**19.79E–.02**	**24–4**	**4.4b**	**799**	**0-123**
HLW	XII	13 21 39 21.9	41.21N	20.47E	10–19	4.8L		**¶606859664**
BEO	XII	13 21 39 25.1–.70	40.93N	19.81E	3–2	4.0L		
MOS	XII	13 21 39 25.7–1.3	41.10N	19.63E	19	4.3b		
ATH	XII	13 21 39 26.9	41.23N	19.72E	33–1	4.2L		
NEIC	XII	13 21 39 26.6–.15	41.15N	19.72E	10	4.4b,4.3L		
TIR	XII	13 21 39 27.1	41.05N	19.87E	10	4.3,4.3L		
ROM	XII	13 21 39 27.5–.10	41.132N–.01	19.66E–.01	10	4.0L,4.3L		
THE	XII	13 21 39 27.0	41.28N	19.61E	23–1	4.2L,4.3L		
LDG	XII	13 21 39 27.0–.08	41.09N	19.78E	10	4.3L,4.3L		
PDG	XII	13 21 39 27.1–.50	41.09N	19.74E	18–0	4.1,4.0L		
SAR	XII	13 21 39 28.2–.65	41.09N	19.72E	18–3	4.3L,4.0L		

IDC XII 13 21 39 29.5–1.3 41.19N 19.74E 38–11 4.0,3.9
PRU XII 13 21 39 41.1–.00 41.56N 19.67E 0 4.4,3.9
ISC Event type fe.
BEO Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.8km az=88.6.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=346.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=42.0. Felt [IV] at Tirana and [III] at Farka e Madhe. Also felt at Berat, Elbasan and Peqin. Felt at Pristina, Kosovo. Moment Tensor Solution. s17 Moment tensor: Scale 10^{15}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$0.17 $M_{r\theta}$0.64 $M_{\theta\phi}$0.46 $M_{\phi r}$-1.25 Best double couple: NP1:ϕ_s260.00000°,δ22.00000°,λ22.00000°. NP2: ϕ_s150.00000°,δ82.00000°,λ111.00000°. Principal axes: T 1.5600,Plg49.0000°,Azm83.0000° ; N 0.0100,Plg21.0000°,Azm327.0000°; P -1.5700,Plg34.0000°,Azm222.0000° $M_0$1.60000×10^{15}
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=313.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=40.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
IDC Error ellipse: s-maj=11.2km s-min=9.4km az=168.0.
ISC XII 14 01 21 43.1–1.4 41.16N–.04 19.90E–.06 19–3 19 0-2
TIR XII 14 01 21 39.6 41.05N 19.88E 22 2.7 **¶606859666**
ATH XII 14 01 21 40.8 41.25N 19.74E 33–4 1.8L
ISCJB XII 14 01 21 42.7–.90 41.15N–.05 19.84E–.09 19–11 1.8L
ISC Event type ke.
ATH Event type ke. Analyst: M.Ziazia ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke.
ISC XII 14 14 38 32.3–1.1 41.46N–.02 19.95E–.02 1–10 105 0-5
SIK XII 14 14 38 26.0–32 41N–2.0 20E–1.0 0 3.3L **¶606859667**
PDG XII 14 14 38 32.6–.37 41.39N 19.93E 4–0 3.1L
BEO XII 14 14 38 32.3–.70 41.27N 19.90E 4–2 2.5L
THE XII 14 14 38 32.2 41.69N 19.84E 28–2 2.5L
TIR XII 14 14 38 32.0 41.41N 19.98E 8 3.2
ISC Event type ke.
SIK Error ellipse: s-maj=556.9km s-min=263.1km az=154.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=317.0.
ISC XII 21 16 10 06.7–1.0 41.69N–.02 20.13E–.02 5–8 193 0-44
IDC XII 21 16 10 00.1–3.4 41.20N 20.02E 0 3.5,3.5L **¶602326627**
ATH XII 21 16 10 05.2 41.72N 20.19E 9–2 3.0L,3.5L
TIR XII 21 16 10 05.1 41.66N 20.12E 2 3.5,3.5L
ISCJB XII 21 16 10 05.8–.31 41.69N–.01 20.13E–.02 1–2 3.4b,3.5L
THE XII 21 16 10 05.3 41.74N 20.07E 3–2 3.0L,3.5L
PDG XII 21 16 10 06.4–.41 41.68N 20.09E 10–0 3.2,3.2L
BEO XII 21 16 10 06.4–.30 41.62N 20.13E 0 2.9L,3.2L
LDG XII 21 16 10 06.2–.17 41.67N 20.08E 10 3.3L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=16.8km az=24.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=176.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=142.4.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=329.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=29.0.
ISC XII 27 19 27 00.6–.98 41.49N–.02 20.39E–.02 13–8 44 0-3
TIR XII 27 19 26 59.3 41.49N 20.50E 20 2.8 **¶602545835**
SKO XII 27 19 27 00.4 41.53N 20.47E 13 1.8L,1.3
ATH XII 27 19 27 00.8 41.51N 20.42E 21–5 2.2L,1.3
BEO XII 27 19 27 06.5–.70 41.61N 20.59E 0 1.7L,1.3
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.8km s-min=1.2km az=208.0. Analyst: Agalos ML Amplitudes are expressed in micrometres All distances are expressed in km.
BEO Event type ke.

(392) Greece-Albania border region.

ISC VII 01 04 57 42.4–1.0 40.18N–.01 20.67E–.02 6–9 131 0-6
TIR VII 01 04 57 41.4 40.18N 20.65E 18 3.1 **¶602027335**
ATH VII 01 04 57 41.9 40.18N 20.67E 17–2 2.4L
CSEM VII 01 04 57 42.5–.14 40.17N 20.69E 2 2.3L
THE VII 01 04 57 42.3 40.18N 20.68E 0–1 2.3L
SKO VII 01 04 57 42.5 40.12N 20.70E 0 2.5L,2.1
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=97.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=307.0.
ISC VII 07 06 16 07.4–1.2 40.57N–.02 20.67E–.03 3–10 73 0-4
SKO VII 07 06 16 04.4 40.39N 20.50E 0 2.5L,2.2 **¶602027487**
CSEM VII 07 06 16 07.4–.23 40.58N 20.67E 2 2.6L,2.2
THE VII 07 06 16 07.8 40.56N 20.68E 0–2 2.5L,2.2
ATH VII 07 06 16 07.2 40.58N 20.71E 16–2 2.6L,2.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=114.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=287.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=134.0.
ISC VII 12 01 36 52.8–.96 39.99N–.02 20.51E–.02 10–8 171 0-6
ISCJB VII 12 01 36 52.3–.44 40.01N–.02 20.46E–.03 9–3 **¶602027599**
CSEM VII 12 01 36 52.6–.10 40.00N 20.50E 5 2.7L
ATH VII 12 01 36 52.3 39.99N 20.52E 19–0 2.6L
THE VII 12 01 36 52.7 39.98N 20.53E 2–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=9.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=109.0.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=316.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=321.0.
ISC VII 12 20 52 25.7–.90 39.99N–.02 20.53E–.02 15–7 158 0-3
ATH VII 12 20 52 25.0 39.99N 20.51E 23–0 2.3L **¶602027613**
ISCJB VII 12 20 52 25.6–.39 39.99N–.02 20.52E–.03 10–3 2.3L
CSEM VII 12 20 52 25.6–.12 40.00N 20.52E 10 2.3L
THE VII 12 20 52 25.8 39.96N 20.55E 8–0 2.3L
TIR VII 12 20 52 26.6 39.55N 20.53E 6 2.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=320.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=33.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=141.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=321.0.
ISC VII 20 13 54 11.5–1.0 40.98N–.01 20.49E–.02 6–9 238 0-5
ATH VII 20 13 54 09.3 41.11N 20.42E 19–2 2.9L **¶601734585**
TIR VII 20 13 54 10.1 40.96N 20.38E 5 3.2
BEO VII 20 13 54 10.2–.90 40.82N 20.67E 9–6 3.0L
SKO VII 20 13 54 11.8 40.98N 20.55E 20 2.9L,2.6
CSEM VII 20 13 54 11.4–.09 40.99N 20.51E 2 3.2L,2.6
THE VII 20 13 54 11.3 41.00N 20.49E 2–0 3.0L,2.6
PDG VII 20 13 54 11.4–.51 40.97N 20.47E 12–0 3.1L,2.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=156.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=73.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=83.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
ISC VII 22 14 27 30.5–.96 40.95N–.01 20.10E–.01 13–7 3.8b 501 1-123
SKO VII 22 14 27 27.7 40.93N 19.91E 0 3.5L,3.0 **¶601456939**
IDC VII 22 14 27 27.8–.97 40.87N 20.06E 0 3.8,3.8b
ATH VII 22 14 27 27.7 41.10N 20.04E 13–1 3.6L,3.8b
ISCJB VII 22 14 27 29.9–.32 40.999N–.01 20.07E–.01 10–2 3.8b,3.8b
TIR VII 22 14 27 30.4 40.92N 20.16E 10 3.7,3.8b
ROM VII 22 14 27 30.7–.39 40.99N–.03 20.01E–.03 10 3.8L,3.8b
CSEM VII 22 14 27 30.3–.07 40.97N 20.09E 2 3.5L,3.8b
PDG VII 22 14 27 30.7–.65 40.94N 20.03E 12–1 3.4L,3.8b
THE VII 22 14 27 30.5 40.98N 20.15E 0–1 3.5L,3.8b
BEO VII 22 14 27 31.6–.40 40.93N 20.16E 11–3 3.5L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=12.4km az=32.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=143.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=63.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=323.0.
BEO Event type ke.
ISC VII 22 15 26 53.9–1.1 40.95N–.02 20.12E–.02 4–10 148 1-3
SKO VII 22 15 26 50.3 40.94N 19.89E 0 2.3L,1.9 **¶601734595**
ATH VII 22 15 26 52.0 41.10N 20.08E 23–1 2.3L,1.9
CSEM VII 22 15 26 53.8–.16 40.95N 20.11E 2 2.9L,1.9
THE VII 22 15 26 53.4 41.02N 20.15E 4–1 2.3L,1.9
TIR VII 22 15 26 53.6 40.96N 20.18E 10 2.9,1.9
BEO VII 22 15 26 55.6–.40 40.97N 20.22E 5–4 2.4L,1.9
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=84.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=145.0.
BEO Event type ke.
ISC VII 22 22 23 00.6–1.1 40.96N–.01 20.15E–.01 3–10 247 1-7
ATH VII 22 22 22 58.8 41.06N 20.08E 19–1 2.8L **¶601734601**
SKO VII 22 22 22 58.6 40.91N 19.99E 0 2.8L,2.4
TIR VII 22 22 23 00.1 40.94N 20.22E 12 3.2,2.4
THE VII 22 22 23 00.3 41.00N 20.14E 0–2 2.8L,2.4
BEO VII 22 22 23 01.5–.40 41.01N 20.09E 4–4 2.9L,2.4
PDG VII 22 22 23 01.5–.57 40.99N 20.17E 11–1 3.0L,2.4
CSEM VII 22 22 23 01.3–.12 40.92N 20.16E 10 3.2L,2.4
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=152.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=304.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=65.0.
ISC VIII 08 23 21 39.4–1.1 39.88N–.03 20.69E–.03 6–11 28 0-2
TIR VIII 08 23 21 38.8 39.80N 20.72E 6 2.7 **¶606362885**
ISCJB VIII 08 23 21 39.4–.51 39.89N–.03 20.68E–.04 3–7 2.7
ATH VIII 08 23 21 39.0 39.90N 20.67E 13–3 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=138.5.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=182.0.
ISC VIII 10 18 02 31.9–.94 39.86N–.02 20.88E–.02 8–8 94 0-5
TIR VIII 10 18 02 28.1 39.66N 20.92E 10 3.3 **¶601734879**
THE VIII 10 18 02 31.5 39.85N 20.88E 15–0 2.9L
ATH VIII 10 18 02 31.4 39.89N 20.86E 12–4 2.9L
BEO VIII 10 18 02 32.8–.60 39.86N 20.87E 0 2.9L
PDG VIII 10 18 02 32.3–.33 39.87N 20.96E 8–1 3.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=196.0.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=0.8km az=245.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=0.0.
ISC VIII 10 19 07 14.5–.61 39.27N–.01 20.60E–.02 14–4 4.3b 554 0-94
TIR VIII 10 19 07 09.2 39.99N 20.69E 1 4.4 **¶606335062**
ROM VIII 10 19 07 12.3–.38 39.22N–.02 20.82E–.03 10 4.1L
IDC VIII 10 19 07 13.2–.69 39.43N 20.72E 0 4.1,4.1b
BEO VIII 10 19 07 14.4–1.2 39.18N 20.37E 6–4 3.9L,4.1b
MOS VIII 10 19 07 14.0–1.4 39.31N 20.42E 24 4.5b,4.1b
ATH VIII 10 19 07 14.9 39.28N 20.61E 13–1 3.9L,4.1b
NEIC VIII 10 19 07 15.3–.00 39.28N 20.60E 4 4.3b,4.0L
PDG VIII 10 19 07 15.6–.50 39.41N 20.42E 3–1 3.8L,4.0L
THE VIII 10 19 07 15.3 39.28N 20.60E 4–0 4.0L,4.0L
SIK VIII 10 19 07 47.3–22 42N–1.0 20.0E–.70 0 2.9L,4.0L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ATH Event type ke.
NEIC Event type se. After THE.
PDG Event type ke.
THE Event type ke.
ATH VIII 11 09 41 26.5 39.32N 20.64E 17–6 1.9L ¶603226724
ATH Event type ke. Error ellipse: s-maj=6.6km s-min=0.9km az=320.0.
ISC VIII 24 05 06 49.9–1.0 40.42N–.02 20.73E–.02 6–9 64 0-3
TIR VIII 24 05 06 48.9 40.41N 20.77E 2 2.8 **¶602028654**
SKO VIII 24 05 06 48.5 40.35N 20.64E 1 2.3L,1.8
ATH VIII 24 05 06 49.4 40.46N 20.70E 9–2 2.2L,1.8
THE VIII 24 05 06 50.0 40.43N 20.71E 0–3 2.0L,1.8
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=98.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=278.0.
ISC IX 09 19 29 12.7–.97 39.69N–.02 20.54E–.02 18–3 110 0-8
ATH IX 09 19 29 11.7 39.71N 20.55E 25–1 2.9L **¶601780608**
ISCJB IX 09 19 29 12.6–.34 39.70N–.02 20.49E–.03 20–4 2.9L
BEO IX 09 19 29 13.2–.40 39.70N 20.51E 14–4 2.8L
PDG IX 09 19 29 13.1–.59 39.77N 20.46E 13–1 3.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=330.0. Analyst: M.Papanikolaou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=161.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
ISC IX 22 06 15 58.2–.82 40.13N–.01 20.85E–.01 6–5 4.9b,4.1s 1154 0-122
CNRM IX 22 06 15 34.7 41.71N 24.06E 15 4.7L,4.1s **¶606542142**
BJI IX 22 06 15 53.3 40.28N 20.42E 5 5.0b,5.0b
TIR IX 22 06 15 55.0 40.89N 20.92E 9 4.8,5.0b
IDC IX 22 06 15 56.6–.46 40.18N 20.82E 0 4.7,4.7b
PRU IX 22 06 15 56.5–.00 40.02N 20.49E 0 4.9,4.7b
ISCJB IX 22 06 15 56.6–.27 40.187N–.01 20.83E–.01 2–1 4.8b,4.1s
ATH IX 22 06 15 57.4 40.16N 20.83E 17–0 4.5L,4.1s
NEIC IX 22 06 15 57.3–.00 40.16N 20.83E 17 4.9b,4.5L
THE IX 22 06 15 57.6 40.15N 20.83E 0–2 4.5L,4.5L
GII IX 22 06 15 57.5–.00 40.20N 20.89E 10 4.5L,4.5L
PDG IX 22 06 15 57.9–.73 40.19N 20.78E 9–1 4.7,4.6L
MOS IX 22 06 15 58.9–1.4 40.21N 20.81E 24 5.0b,4.6L
BEO IX 22 06 15 58.6–.30 40.11N 20.88E 10 4.6L,4.6L
GCMT IX 22 06 15 58.3–.30 40.00N–.02 20.71E–.02 25–1 4.8W,4.6L
SKO IX 22 06 15 58.4 40.13N 20.86E 7 4.8W,4.6L
DDA IX 22 06 17 01.7 40.34N 20.90E 54 4.5L,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=9.1km s-min=8.8km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.3km az=135.3.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=319.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type fe. Felt at Ioannina. Also felt at Korce and Vlore, Albania and at Resen, Macedonia. After ATH.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=297.0.
GII Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
MOS Error ellipse: s-maj=3.9km s-min=2.7km az=89.5.
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s78,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.10 $M_{\theta\theta}$-1.14±.08; $M_{\phi\phi}$0.98±.08; $M_{r\theta}$-0.04±.16; $M_{\theta\phi}$-1.84±.07; $M_{\phi r}$0.24±.16; Best double couple: NP1:ϕ_s15.00000°,δ87.00000°,λ6.00000°. NP2:ϕ_s285.00000°,δ84.00000°,λ177.00000°. Principal axes: T 2.0730,Plg7.0000° ,Azm240.0000°; N 0.1300,Plg83.0000°,Azm44.0000°; P -2.2060,Plg2.0000°,Azm150.0000°

M$_0$2.13900×10^{16}
DDA Event type ke.
ISC IX 22 14 44 27.1–1.0 40.15N–.02 20.80E–.02 8–9 47 0-2
THE IX 22 14 44 26.4 40.10N 20.88E 26–1 2.0L **¶606542143**
TIR IX 22 14 44 26.6 40.15N 20.80E 9 2.6
SKO IX 22 14 44 27.8 40.14N 20.75E 1 2.6
ATH IX 22 14 44 27.1 40.14N 20.79E 8–4 1.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=111.0.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=0.9km az=112.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 22 15 38 37.2–.99 40.13N–.02 20.83E–.02 20–3 83 0-3
TIR IX 22 15 38 35.3 40.12N 20.87E 8 3.1 **¶606542144**
THE IX 22 15 38 36.8 40.13N 20.80E 14–5 2.3L
ATH IX 22 15 38 37.7 40.14N 20.81E 4–2 2.3L
SKO IX 22 15 38 38.2 40.15N 20.76E 26 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=0.5km az=104.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=328.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC IX 22 20 24 38.8–.91 40.13N–.02 20.81E–.03 16–7 54 0-2
TIR IX 22 20 24 37.8 40.12N 20.83E 8 2.8 **¶606542145**
ATH IX 22 20 24 38.9 40.14N 20.79E 8–3 2.0L
THE IX 22 20 24 38.6 40.13N 20.80E 16–1 2.1L
SKO IX 22 20 24 39.6 40.16N 20.78E 14 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=0.8km az=342.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=282.0.
SKO X 25 01 09 13.9 40.35N 20.93E 0
¶606767965
ATH X 31 14 49 00.1 39.93N 20.63E 12–4 2.0L
THE X 31 14 49 00.0 39.95N 20.60E 0–4 1.8L **¶603911749**
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.3km az=332.0. Analyst: E. Athanasiou ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.8km az=296.0.
ISC XI 04 23 49 45.3–.94 39.15N–.02 20.01E–.03 30–8 183 0-23
ATH XI 04 23 49 44.5 39.14N 19.99E 28–0 3.2L **¶606794608**
THE XI 04 23 49 45.4 39.13N 19.99E 6–1 3.2L
TIR XI 04 23 49 46.1 39.23N 20.13E 36 3.2
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=73.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=254.0.
ATH XI 11 01 07 45.6 39.10N 20.82E 28–1 1.4L
¶603912133
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=239.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XII 01 06 45 01.4–.92 39.36N–.02 20.50E–.02 9–7 3.8b 108 0-45
TIR XII 01 06 44 58.2 39.36N 20.47E 3 3.2 **¶602390268**
IDC XII 01 06 44 59.9–1.4 39.21N 20.77E 0 3.8,3.8b
BEO XII 01 06 45 00.4–.90 39.26N 20.48E 0–3 3.0L,3.8b
ISCJB XII 01 06 45 01.6–.37 39.39N–.02 20.48E–.03 10–3 3.7b,3.8b
ATH XII 01 06 45 01.5 39.39N 20.53E 9–3 3.0L,3.8b
THE XII 01 06 45 01.6 39.38N 20.53E 0–1 3.1L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=20.3km az=118.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=155.4.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=288.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=25.0.
ISC XII 30 08 16 51.5–1.1 40.95N–.02 20.15E–.02 10–9 113 0-6
THE XII 30 08 16 51.7 40.98N 20.10E 9–1 2.4L **¶602326636**
TIR XII 30 08 16 51.4 40.96N 20.24E 1 3.0
ISCJB XII 30 08 16 51.1–.43 40.99N–.01 20.13E–.03 4–3 3.0
ATH XII 30 08 16 51.4 40.94N 20.10E 28–2 2.7L
PDG XII 30 08 16 51.7–.34 40.96N 20.11E 21–0 2.6L
SKO XII 30 08 16 52.8 41.01N 20.15E 22 2.6L
BEO XII 30 08 16 52.0–.90 40.93N 20.23E 9–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=161.4.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=24.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
BEO Event type ke.

(393) Madeira Islands region.

ISC VII 13 18 25 13.1–1.0 34.12N–.07 15.39W–.07 10 132 1-12
CSEM VII 13 18 25 15.6–.18 34.19N 15.34W 30 4.4b **¶601272594**
CNRM VII 13 18 25 17.5 33.95N 15.04W 30 4.0L
MDD VII 13 18 25 17.7–1.9 34.33N 14.99W 0 4.4b
IGIL VII 13 18 25 19.3 34.29N 15.42W 50 2.7L
INMG VII 13 18 25 20.0–2.1 34.17N 15.32W 39–11 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=3.3km az=131.0.
MDD Error ellipse: s-maj=18.4km s-min=15.2km az=84.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=2.2km az=126.0.
MDD IX 24 04 12 47.4–2.3 32.42N 16.83W 44–25 3.5b
¶604014730
MDD Error ellipse: s-maj=63.9km s-min=19.8km az=36.0. PRXIMO SIN SOLUCIN.
ISC XI 04 02 32 22.9–1.5 32.86N–.06 12.53W–.07 10 14 3-7
CNRM XI 04 02 32 30.2 32.53N 12.13W 10 3.5L **¶602355549**
INMG XI 04 02 32 32.3–.95 32.89N 12.59W 53–13 2.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=121.0.
ISC XII 21 17 22 41.9–2.6 34.39N–.06 12.1W–.10 10 64 4-8
MDD XII 21 17 22 42.3–1.9 34.37N 12.19W 0 4.2b **¶602055701**
INMG XII 21 17 22 43.8–.99 34.21N 12.61W 10 2.7L
IGIL XII 21 17 22 44.5 34.55N 12.28W 2 2.4L
CNRM XII 21 17 22 49.2 34.27N 11.80W 102 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=20.9km s-min=8.9km az=88.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.2km s-min=5.6km az=113.0.

(394) Canary Islands region.

CSEM VII 01 09 16 08.0 27.65N 18.13W 22 3.5L
¶605473490
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 01 10 11 41.0 27.66N 18.13W 22 4.0L
¶605473485
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 02 12 51 28.6 27.69N 18.14W 18 3.6L
¶605473670
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 02 13 22 34.4 27.69N 18.15W 21 3.5L
¶605473663
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 02 22 10 42.5 27.71N 18.15W 19 3.6L
¶605473608
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 02 22 10 48.5 27.70N 18.15W 20 3.7L
¶605473605
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 02 22 25 53.1 27.70N 18.14W 18 3.6L
¶605473600
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 02 22 42 36.3–1.5 27.8N–.10 18.20W–.09 29–11 32 0-5
ISCJB VII 02 22 42 35.7–.73 27.94N–.09 18.20W–.07 25–12 **¶601233566**
CSEM VII 02 22 42 37.5–.15 27.82N 18.11W 20 4.4L
INMG VII 02 22 42 39.4–.91 27.65N 18.20W 17–4 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=10.3km az=1.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=96.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=85.0.
ISC VII 03 02 26 49.6–1.5 27.94N–.06 18.2W–.10 10 21 0-5
ISCJB VII 03 02 26 48.5–.83 28.03N–.02 18.2W–.10 10 **¶605473933**
CSEM VII 03 02 26 51.9 27.69N 18.14W 20 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=3.0km az=174.2.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 03 02 29 54.9 27.69N 18.15W 21 3.8L
¶605473920
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 03 02 31 00.2–1.9 27.9N–.20 18.2W–.10 29–19 22 0-5
CSEM VII 03 02 31 02.6 27.69N 18.17W 21 4.2L **¶601235607**
MDD VII 03 02 31 02.6–.48 27.69N 18.17W 21–3 4.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
MDD Error ellipse: s-maj=4.6km s-min=3.6km az=65.0. PRXIMO TT-model: canary.
CSEM VII 03 13 47 53.4 27.69N 18.15W 20 3.8L
¶605473817
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 05 10 44 37.3 27.79N 18.21W 21 2.0L
¶605474230
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 07 20 47 10.7 27.64N 18.11W 18 3.5L
¶605474425
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 07 20 52 13.3 27.66N 18.12W 21 3.6L
¶605474424
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 07 20 56 06.7–1.4 27.79N–.07 18.2W–.10 33–4 25 0-5
ISCJB VII 07 20 56 07.0–.90 27.82N–.05 18.16W–.09 31–3 **¶601244028**
CSEM VII 07 20 56 07.5–.45 27.73N 18.09W 28–2 3.7L
INMG VII 07 20 56 09.5–.99 27.62N 18.14W 21–4 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.9km az=158.2.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=15.0km az=103.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=26.0.
CSEM VII 07 21 00 16.8 27.65N 18.12W 18 3.8L
¶605474422
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CSEM VII 08 11 13 21.4 27.72N 18.10W 24 3.6L
¶605474579
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 10 04 04 33.6–.84 27.89N–.06 17.98W–.06 20–6 39 0-14
CSEM VII 10 04 04 33.2–.20 27.93N 17.94W 10 3.8L **¶601255486**
INMG VII 10 04 04 34.9–.72 27.62N 18.08W 23–2 3.5L
PDA VII 10 04 04 35.2 27.83N 18.16W 20 3.8b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.1km az=103.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=62.0.
MDD VIII 06 03 48 20.9–.43 29.03N 16.29W 49–5 3.5b
¶603763642
MDD Error ellipse: s-maj=6.5km s-min=1.9km az=1.0. PRXIMO TT-model: canary.
ISC VIII 18 01 50 48.3–1.2 28.65N–.04 16.52W–.03 33–2 35 0-12
ISCJB VIII 18 01 50 47.9–.40 28.58N–.05 16.50W–.03 42–8 **¶601565317**
MDD VIII 18 01 50 51.1–.20 28.53N 16.51W 27–2 3.8
INMG VIII 18 01 50 52.6–.83 28.58N 16.52W 10 3.5L
PDA VIII 18 01 50 52.0 28.55N 16.53W 10 3.5L
CNRM VIII 18 01 51 00.1 29.41N 16.01W 30 4.1L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.8km az=166.1.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=0.8km az=173.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO TT-model: canary.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=129.0.
ISC IX 16 18 50 58.5–3.4 30.2N–.20 16.7W–.10 10 16 2-8
INMG IX 16 18 50 51.9–1.2 29.46N 17.42W 10 3.5,3.3L **¶601717994**
CNRM IX 16 18 51 01.3 30.23N 16.62W 30 3.7L,3.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=20.5km s-min=3.4km az=73.0.
ISC XII 07 22 13 48.3–1.0 29.90N–.04 15.42W–.04 64–45 53 2-10
ISCJB XII 07 22 13 47.5–.35 29.83N–.04 15.38W–.03 87–16 **¶602030333**
CNRM XII 07 22 13 48.9 30.07N 15.26W 10
MDD XII 07 22 13 51.2–.24 29.88N 15.43W 52–15 4.4b
INMG XII 07 22 13 52.1–2.0 29.93N 15.39W 56–22 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=166.1.
MDD Error ellipse: s-maj=3.0km s-min=1.2km az=168.0. PRXIMO TT-model: canary.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=100.0.
ISC XII 17 10 08 17.8–.88 28.88N–.05 15.56W–.03 10 30 1-10
ISCJB XII 17 10 08 16.6–.40 29.01N–.03 15.61W–.03 10 **¶602043847**
MDD XII 17 10 08 22.6–.17 28.83N 15.57W 48–5 4.8b
INMG XII 17 10 08 24.7–1.2 28.85N 15.53W 10 3.2L
CNRM XII 17 10 08 31.6 28.64N 14.56W 273 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=143.7.
MDD Error ellipse: s-maj=3.2km s-min=1.0km az=177.0. PRXIMO TT-model: canary.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=130.0.

(395) Morocco.

ISC VII 04 07 44 15.2–1.4 34.89N–.05 2.96W–.03 20–6 282 0-9
SFS VII 04 07 44 16.0 34.90N 3.03W 0 4.4L **¶601237353**
CRAAG VII 04 07 44 16.0 34.96N 2.98W 4.0L
CNRM VII 04 07 44 16.2 34.92N 2.95W 2 4.4L
MDD VII 04 07 44 16.9–.36 34.93N 2.98W 5–3 3.4
LDG VII 04 07 44 17.6–.51 35.17N 3.07W 10 3.3L
CSEM VII 04 07 44 17.4–.29 34.95N 3.06W 15 3.4L
INMG VII 04 07 44 18.0–1.5 34.99N 2.93W 20–3 3.2L
IGIL VII 04 07 44 22.5 35.25N 3.33W 1 3.2L
ISC Event type ke.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=80.0. EMS: II INTENSIDAD MAXIMA-ESPAA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=164.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=107.0.
CNRM VII 06 11 24 21.0 34.94N 2.89W 20 2.0L
CSEM VII 06 11 24 21.0 34.94N 2.89W 20 2.0L **¶605474329**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 10 04 19 53.1–.96 34.21N–.03 5.28W–.02 19–2 3.8b 275 0-64
SFS VII 10 04 19 49.0 33.98N 5.44W 0 4.1L **¶601255489**
IDC VII 10 04 19 50.6–2.3 34.23N 4.97W 0 3.6,3.5b
MDD VII 10 04 19 51.9–.74 34.15N 5.34W 0–7 4.3b,3.5b
CSEM VII 10 04 19 52.1–.17 34.16N 5.33W 10 4.3b,3.5b
CNRM VII 10 04 19 52.8 34.06N 5.17W 10 3.7L,3.5b
ISCJB VII 10 04 19 52.3–.45 34.20N–.02 5.41W–.03 27–4 3.6b,3.5b
INMG VII 10 04 19 53.3–1.3 34.19N 5.25W 12–6 3.0,2.8L
IGIL VII 10 04 19 54.3 34.20N 5.22W 14 2.7L,2.8L
ISC Event type ke.
SFS Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=12.5km az=89.0.
MDD Error ellipse: s-maj=4.5km s-min=4.4km az=106.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=42.8.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=79.0.
ISC VII 15 01 01 32.3–.84 34.01N–.04 5.01W–.04 15 110 0-8
CSEM VII 15 01 01 30.9–.23 34.04N 4.98W 5 2.8L **¶601273548**
MDD VII 15 01 01 31.6–.40 34.02N 4.97W 0 3.7b
SFS VII 15 01 01 31.0 34.02N 4.98W 0 3.7L

ISCJB VII 15 01 01 31.6–.65 34.10N–.03 5.12W–.04 15 3.7L
CNRM VII 15 01 01 32.7 33.94N 4.69W 7 3.7L
INMG VII 15 01 01 32.1–1.5 33.91N 5.08W 23–10 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=88.0.
MDD Error ellipse: s-maj=7.1km s-min=3.2km az=90.0. PRXIMO.
SFS Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=17.9.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=77.0.
ISC VII 17 09 26 10.1–1.8 33.04N–.06 3.53W–.06 9–13 146 1-8
INMG VII 17 09 26 07.9–1.0 32.84N 3.18W 24–7 3.3,3.0L ¶601404403
MDD VII 17 09 26 08.4–1.2 32.83N 3.50W 0 3.9b,3.0L
CNRM VII 17 09 26 08.1 32.79N 3.28W 10 3.9L,3.0L
SFS VII 17 09 26 09.0 32.88N 3.57W 0 4.0L,3.0L
ISCJB VII 17 09 26 10.8–.96 33.20N–.04 3.69W–.06 2–9 4.0L,3.0L
CSEM VII 17 09 26 11.9–.39 33.08N 3.59W 10 3.9b,3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=144.0.
MDD Error ellipse: s-maj=12.5km s-min=8.3km az=140.0. PRXIMO.
SFS Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.7km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.7km az=122.0.
ISC VII 19 15 04 33.5–1.2 32.26N–.06 7.8W–.10 10 50 1-8
CNRM VII 19 15 04 33.1 32.26N 7.77W 0 2.9L ¶601405516
INMG VII 19 15 04 33.2–1.4 32.05N 8.09W 25 2.5L
MDD VII 19 15 04 34.0–.78 32.22N 7.95W 0 4.3b
SFS VII 19 15 04 34.0 32.25N 7.78W 0 4.1L
CSEM VII 19 15 04 35.1–.30 32.20N 7.90W 20 4.3b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=14.7km s-min=6.7km az=53.0.
MDD Error ellipse: s-maj=26.4km s-min=6.3km az=92.0. PRXIMO.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=5.4km az=85.0.
CNRM VII 23 20 02 51.1 31.12N 6.93W 13 1.6L
CSEM VII 23 20 02 51.1 31.12N 6.93W 13 1.6L ¶605475345
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CNRM VII 25 00 07 02.7 31.68N 6.40W 1 2.0L
CSEM VII 25 00 07 02.7 31.68N 6.40W 1 2.0L ¶605475450
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
CNRM VII 25 08 55 53.7 32.50N 6.68W 0 2.1L
CSEM VII 25 08 55 53.7 32.50N 6.68W 0 2.1L ¶605475439
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VIII 11 21 58 52.2–.86 34.35N–.04 6.91W–.04 10 56 0-10
CNRM VIII 11 21 58 49.4 34.41N 7.22W 10 2.6L ¶601551804
ISCJB VIII 11 21 58 51.4–.45 34.37N–.03 6.96W–.05 10 2.6L
MDD VIII 11 21 58 51.4–.67 34.27N 7.13W 0 4.1b
INMG VIII 11 21 58 52.7–.65 34.31N 6.90W 5 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=170.2.
MDD Error ellipse: s-maj=9.1km s-min=4.7km az=80.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=70.0.
ISC VIII 15 18 26 04.6–1.2 32.41N–.05 5.72W–.04 7 96 1-9
ISCJB VIII 15 18 26 05.2–.53 32.54N–.03 5.90W–.04 7 ¶601562087
INMG VIII 15 18 26 05.9–.78 32.40N 5.75W 0 2.4L
CNRM VIII 15 18 26 06.2 32.16N 5.74W 15 3.3L
IGIL VIII 15 18 26 06.0 32.31N 5.75W 1 3.3L
MDD VIII 15 18 26 07.1–.83 32.20N 5.63W 75–15 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=5.7.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=25.0.
MDD Error ellipse: s-maj=8.5km s-min=5.2km az=115.0. PRXIMO.
ISC VIII 22 13 33 30.1–3.4 32.6N–.20 7.7W–.10 10 25 2-6
SFS VIII 22 13 33 26.0 32.33N 7.70W 3.9L ¶601610739
MDD VIII 22 13 33 26.7–3.4 32.38N 7.76W 0 3.9b
INMG VIII 22 13 33 28.7–.68 32.43N 7.71W 15 2.2L
ISC Event type ke.
SFS BENGUERIR. (MARRUECOS).
MDD Error ellipse: s-maj=52.1km s-min=30.3km az=99.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=2.7km az=46.0.
ISC VIII 24 12 39 08.5–1.0 32.29N–.04 7.92W–.06 10 21 1-6
ISCJB VIII 24 12 39 07.9–.56 32.36N–.03 8.13W–.08 10 ¶603742064
CNRM VIII 24 12 39 08.4 32.23N 7.99W 0 2.9L
INMG VIII 24 12 39 12.2–.51 32.48N 7.69W 0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=176.5.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=2.8km az=63.0.
MDD VIII 31 14 39 55.5–3.3 32.32N 7.56W 0 3.6b
INMG VIII 31 14 39 53.9–.82 32.22N 8.00W 0 2.6L ¶603742073
MDD Error ellipse: s-maj=53.0km s-min=28.7km az=88.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.4km s-min=3.8km az=39.0.
ISC IX 04 20 13 07.4–1.3 34.76N–.05 3.98W–.05 20–8 51 0-7
INMG IX 04 20 13 06.3–1.7 34.56N 4.03W 31 2.4L ¶601869183
SFS IX 04 20 13 06.0 34.75N 3.99W 2.0L
ISCJB IX 04 20 13 07.8–.84 34.80N–.04 4.04W–.05 30–6 2.0L
MDD IX 04 20 13 07.4–1.0 34.72N 3.95W 14–8 2.0
CNRM IX 04 20 13 07.3 34.79N 3.88W 24 2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=7.3km az=11.0.
SFS SE BOU ZINEB. (MARRUECOS).
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=39.7.
MDD Error ellipse: s-maj=9.9km s-min=7.8km az=5.0. PRXIMO.
ISC IX 05 19 40 56.4–.98 34.98N–.03 3.82W–.03 17–7 77 0-6
SFS IX 05 19 40 55.0 34.93N 3.86W 2.1L ¶601869187
INMG IX 05 19 40 55.0–1.6 34.85N 3.86W 10 2.3L
MDD IX 05 19 40 56.5–.83 34.95N 3.84W 4–4 2.3
ISCJB IX 05 19 40 58.2–.51 35.13N–.03 3.91W–.03 21–4 2.3
CNRM IX 05 19 40 58.3 35.09N 3.71W 10 2.8L
ISC Event type ke.
SFS NW. EL ARBA DE. TAOURIT (MARR.).
INMG Event type ke. Error ellipse: s-maj=8.9km s-min=4.2km az=178.0.
MDD Error ellipse: s-maj=6.8km s-min=3.7km az=17.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=165.3.
ISC IX 09 13 59 03.8–1.2 34.98N–.02 5.07W–.03 9–10 82 1-6
SFS IX 09 13 59 03.0 34.88N 5.11W 2.8L ¶601696969
INMG IX 09 13 59 04.8–1.2 34.97N 5.13W 0 1.9L
IGIL IX 09 13 59 05.3 34.89N 5.07W 12 2.0L
MDD IX 09 13 59 06.3–.47 34.95N 5.01W 14–4 2.1
CNRM IX 09 13 59 06.1 35.03N 5.10W 54 2.6L
ISC Event type ke.
SFS SE BAB TAZA. (MARRUECOS).
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=81.0.
MDD Error ellipse: s-maj=4.2km s-min=3.7km az=83.0. PRXIMO.
ISC IX 09 14 02 36.9–1.3 34.99N–.02 5.03W–.03 13–10 70 1-6
SFS IX 09 14 02 36.0 35.00N 5.02W 2.6L ¶601696970
INMG IX 09 14 02 37.6–1.4 35.01N 5.10W 9–10 1.8L
MDD IX 09 14 02 38.3–.60 35.02N 5.03W 7–5 1.9
CNRM IX 09 14 02 39.0 35.03N 5.11W 31 2.3L
ISC Event type ke.
SFS SE. BAB TAZA. (MARRUECOS).
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=5.2km az=88.0.
MDD Error ellipse: s-maj=4.6km s-min=3.9km az=69.0. PRXIMO.
CNRM IX 14 11 55 47.1 33.81N 4.70W 6
¶606634149
ISC IX 30 08 18 47.6–1.5 33.85N–.05 4.2W–.10 10 22 1-5
ISCJB IX 30 08 18 46.2–1.5 33.86N–.04 4.1W–.10 10 ¶604014747
MDD IX 30 08 18 50.3–.67 33.81N 4.45W 14–11 3.2b
CNRM IX 30 08 18 50.8 33.79N 4.48W 15 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=5.4km az=6.9.
MDD Error ellipse: s-maj=7.2km s-min=5.1km az=119.0. PRXIMO.
ISC X 17 17 58 11.3–1.1 33.88N–.03 7.15W–.04 27–10 66 0-7
CNRM X 17 17 58 12.1 33.73N 7.16W 15 ¶601837585
INMG X 17 17 58 12.8–1.6 33.84N 6.93W 31–15 2.2L
IGIL X 17 17 58 12.5 33.91N 7.04W 11 2.1L
SFS X 17 17 58 13.0 33.90N 6.90W 22 3.8L
MDD X 17 17 58 13.2–1.0 34.08N 6.94W 0 4.0b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=3.7km az=98.0.
SFS TEMARA. (MARRUECOS).
MDD Error ellipse: s-maj=15.3km s-min=5.5km az=54.0. PRXIMO.
ISC X 19 16 12 22.2–3.4 32.4N–.20 7.56W–.10 10 31 1-6
SFS X 19 16 12 22.0 32.41N 7.75W 3.9L ¶601839086
MDD X 19 16 12 22.0–3.9 32.37N 7.59W 0 3.9b
ISC Event type ke.
SFS BENGUERIR. (MARRUECOS).
MDD Error ellipse: s-maj=51.0km s-min=33.7km az=113.0. PRXIMO.
CNRM X 28 13 14 10.4 31.14N 7.16W 15
¶606632231
ISC XI 06 23 54 38.1–.95 32.95N–.04 5.25W–.03 14 67 1-8
SFS XI 06 23 54 37.0 32.82N 5.55W 3.5L ¶601876342
ISCJB XI 06 23 54 38.0–.49 33.04N–.03 5.30W–.04 14 3.5L
MDD XI 06 23 54 39.2–1.2 32.92N 5.31W 0 3.6b
CNRM XI 06 23 54 39.7 32.76N 5.26W 10 3.6b
INMG XI 06 23 54 39.7–1.6 32.91N 5.06W 24–38 2.3L
IGIL XI 06 23 54 40.1 32.83N 5.56W 1 2.3L
ISC Event type ke.
SFS KHENFRA. MARRUECOS.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=179.5.
MDD Error ellipse: s-maj=17.5km s-min=8.7km az=103.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=29.2km s-min=6.1km az=157.0.
CNRM XII 11 11 00 47.4 33.16N 7.99W 3
¶606632544
ISC XII 25 01 44 45.5–1.6 34.99N–.03 5.00W–.03 12–12 71 1-7
SFS XII 25 01 44 45.0 34.86N 4.96W 1.9L ¶602732633
INMG XII 25 01 44 45.7–1.6 35.06N 4.84W 11–8 2.1L
MDD XII 25 01 44 47.1–.69 34.96N 5.07W 7–6 1.9
CNRM XII 25 01 44 48.0 34.94N 5.11W 23 2.8L
ISC Event type ke.
SFS RHAJSAI. (MARRUECOS).
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=77.0.
MDD Error ellipse: s-maj=5.7km s-min=3.6km az=90.0. PRXIMO.

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ISC VII 09 05 22 53.2–3.1 35.2N–.10 3.9E–.20 10 33 1-11
MDD VII 09 05 22 54.4–3.0 35.15N 3.94E 0 3.9b ¶601246368
CSEM VII 09 05 22 57.6–1.0 35.16N 3.76E 30 3.9b
CNRM VII 09 05 22 58.4 35.12N 3.78E 130 3.9b
ISC Event type ke.
MDD Error ellipse: s-maj=30.3km s-min=15.4km az=113.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=23.5km s-min=11.6km az=108.0.
CRAAG VII 10 09 32 24.7 35.48N 7.70E 3.5L
CSEM VII 10 09 32 24.7 35.48N 7.70E 0 3.5L ¶601706300
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 15 02 05 07.5–1.0 36.01N–.04 1.20E–.03 12–6 3.3b 285 0-56
CRAAG VII 15 02 05 05.6 35.88N 1.25E 3.7L ¶601273551
IDC VII 15 02 05 06.4–1.4 35.98N 1.13E 0 3.6,3.6L
INMG VII 15 02 05 07.7–1.9 35.85N 1.35E 31 2.8L,3.6L
LDG VII 15 02 05 07.7–.34 35.85N 1.32E 10 3.3L,3.6L
CSEM VII 15 02 05 08.4–.17 36.06N 1.16E 10 3.7L,3.6L
MDD VII 15 02 05 08.2–.35 36.01N 1.15E 0 4.2b,3.6L
CNRM VII 15 02 05 16.4 36.29N 0.68E 134 4.2b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=22.8km az=118.0.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=142.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=3.2km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=177.0.
MDD Error ellipse: s-maj=4.5km s-min=3.4km az=157.0. PRXIMO.
ISC VIII 17 23 49 02.6–1.1 36.47N–.04 1.09E–.05 14 25 0-4
CRAAG VIII 17 23 49 01.9 36.45N 1.61E 2.5L ¶601709192
ISCJB VIII 17 23 49 03.2–.53 36.59N–.03 1.02E–.05 14 2.5L
MDD VIII 17 23 49 04.7–1.7 36.39N 1.17E 51–27 3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=148.2.
MDD Error ellipse: s-maj=15.5km s-min=10.3km az=131.0. PRXIMO.
ISC VIII 24 23 41 25.5–.94 36.59N–.06 1.64E–.04 14 25 0-5
ISCJB VIII 24 23 41 25.4–.58 36.66N–.03 1.61E–.05 14 ¶601625215
MDD VIII 24 23 41 25.5–1.1 36.77N 1.60E 0 3.7b
CRAAG VIII 24 23 41 25.4 36.50N 1.68E 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=176.0.
MDD Error ellipse: s-maj=8.4km s-min=7.7km az=34.0. PRXIMO.
ISC IX 01 21 59 43.2–1.5 35.5N–.20 0.16W–.08 14–22 35 0-5
CRAAG IX 01 21 59 39.5 35.42N 0.74W 3.1L ¶601670046
MDD IX 01 21 59 42.9–1.3 35.32N 0.09W 24–21 3.8b
CNRM IX 01 21 59 50.5 35.85N 0.41W 30 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=28.8km s-min=8.9km az=171.0. PRXIMO.
ISC IX 11 07 54 46.5–1.7 35.7N–.10 5.08E–.05 10 16 0-4
CRAAG IX 11 07 54 44.9 35.76N 5.08E 3.2L ¶601863320
ISCJB IX 11 07 54 47.2–1.3 35.9N–.20 5.05E–.06 10 3.2L
MDD IX 11 07 54 47.4–1.8 35.71N 5.08E 3–13 3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=7.1km az=173.5.
MDD Error ellipse: s-maj=28.4km s-min=5.9km az=169.0. PRXIMO SIN SOLUCIN.
ISC IX 15 15 05 24.3–.74 36.63N–.05 4.44E–.03 13 156 1-57
ISCJB IX 15 15 05 24.6–.32 36.82N–.02 4.39E–.03 13 3.3b ¶601717915
IDC IX 15 15 05 24.1–1.6 36.63N 4.49E 0 4.0L,3.5
CRAAG IX 15 15 05 25.4 36.37N 4.43E 3.5L,3.5
MDD IX 15 15 05 27.0–1.5 36.52N 4.45E 25–17 4.3b,3.5
LDG IX 15 15 05 27.7–.24 36.61N 4.43E 10 3.2L,3.5
CNRM IX 15 15 05 28.1 36.46N 4.24E 10 3.2L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=28.8.
IDC Error ellipse: s-maj=32.8km s-min=24.1km az=13.0.
MDD Error ellipse: s-maj=6.7km s-min=4.9km az=180.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=145.0.
MDD IX 25 06 13 33.8–.52 36.50N 3.10E 0 3.5b
CRAAG IX 25 06 13 31.8 36.52N 3.09E 2.8L ¶601864122
MDD Error ellipse: s-maj=7.6km s-min=5.0km az=97.0. PRXIMO.
ISC IX 25 07 12 50.9–.93 36.79N–.04 3.03E–.03 23–7 3.5b 144 0-58
IDC IX 25 07 12 46.4–1.4 36.57N 3.12E 0 3.9L,3.6 ¶601739371
CRAAG IX 25 07 12 47.6 36.47N 3.13E 3.7L,3.6
MDD IX 25 07 12 48.8–.47 36.47N 3.20E 8–5 4.4b,3.6
CNRM IX 25 07 12 49.5 36.55N 2.85E 0 3.5L,3.6
LDG IX 25 07 12 50.1–.18 36.48N 3.19E 10 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=18.9km az=156.0.
MDD Error ellipse: s-maj=5.2km s-min=4.7km az=78.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=142.0.
ISC IX 27 18 43 27.7–2.5 35.3N–.20 2.05E–.05 10 15 1-5
CRAAG IX 27 18 43 25.5 35.34N 1.97E 2.6L ¶601751835
MDD IX 27 18 43 27.8–2.4 35.29N 2.04E 0 3.8b
ISCJB IX 27 18 43 28.6–2.1 35.5N–.20 1.97E–.07 10 3.8b
ISC Event type ke.
MDD PRXIMO.
ISCJB Event type ke.
ISC X 09 00 37 22.3–1.2 35.58N–.05 1.18W–.03 32–13 140 0-10
MDD X 09 00 37 22.3–.72 35.50N 1.23W 17–10 2.9 ¶601795703
LDG X 09 00 37 22.6–.21 35.50N 1.19W 10 2.6L
INMG X 09 00 37 22.3–1.5 35.47N 1.26W 21–10 2.4L
IGIL X 09 00 37 23.8 35.54N 1.44W 2 2.4L
CRAAG X 09 00 37 23.5 35.32N 1.16W 3.5L

CNRM X 09 00 37 24.8 35.78N 1.60W 0 3.5L
ISC Event type ke.
MDD Error ellipse: s-maj=8.2km s-min=4.3km az=158.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=166.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=160.0.
MDD X 17 18 37 49.7–3.0 35.23N 2.05E 0 3.9b
¶601838139

MDD Error ellipse: s-maj=27.9km s-min=21.7km az=159.0. PRXIMO.
ISC X 18 23 03 04.0–1.4 35.96N–.06 4.12E–.02 5–12 50 0-8
CRAAG X 18 23 03 02.3 35.99N 4.14E 3.3L **¶601838852**
ISCJB X 18 23 03 04.8–1.0 35.96N–.08 3.98E–.04 13–8 3.3L
MDD X 18 23 03 04.2–1.1 35.82N 4.11E 0 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=5.4km az=4.7.
MDD Error ellipse: s-maj=20.7km s-min=4.2km az=3.0. PRXIMO.
ISC X 30 18 08 24.6–1.2 36.85N–.05 3.20E–.03 24–8 100 0-9
CRAAG X 30 18 08 23.6 36.78N 3.28E 3.5L **¶601861605**
LDG X 30 18 08 25.3–.24 37.03N 2.88E 2 2.8L
MDD X 30 18 08 26.5–.53 36.85N 3.01E 0 4.0b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=140.0.
MDD Error ellipse: s-maj=6.9km s-min=5.4km az=70.0. PRXIMO.
ISC X 31 20 30 12.5–4.7 35.2N–.20 1.8E–.20 10 9 1-5
CRAAG X 31 20 30 10.0 35.30N 1.89E 2.4L **¶602425715**
MDD X 31 20 30 11.8–5.0 35.21N 2.06E 0 3.5b
ISC Event type ke.
MDD Error ellipse: s-maj=51.0km s-min=45.9km az=1.0. PRXIMO SIN SOLUCIN.
ISC XI 27 03 19 07.4–.80 36.71N–.04 5.18E–.04 13 95 1-9
ISCJB XI 27 03 19 08.7–.39 36.89N–.03 5.16E–.04 13 **¶601994722**
CRAAG XI 27 03 19 08.1 36.59N 5.16E 3.1L
MDD XI 27 03 19 09.2–.35 36.63N 5.14E 0 4.3b
LDG XI 27 03 19 11.3 36.57N 5.34E 30 4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=140.8.
MDD Error ellipse: s-maj=5.5km s-min=3.6km az=40.0. PRXIMO.
LDG Event type ke.
ISC XI 28 23 15 28.5–.25 36.80N–.03 5.27E–.02 10 5.0b,4.5s 781 1-144
BJI XI 28 23 15 25.7 36.80N 5.40E 10 5.0b,4.9s **¶601995133**
IDC XI 28 23 15 26.3–.45 36.76N 5.08E 0 4.5,4.4
CRAAG XI 28 23 15 26.3 36.74N 5.15E 5.1L,4.4
ISCJB XI 28 23 15 26.7–.13 36.87N–.02 5.16E–.01 10 4.8b,4.4s
LDG XI 28 23 15 27.4–.20 36.88N 5.12E 10 4.4L,4.4s
IGIL XI 28 23 15 28.2 36.84N 5.19E 10 4.0s,4.4s
MDD XI 28 23 15 28.8–1.1 36.80N 5.25E 10–11 5.2b,4.4s
GCMT XI 28 23 15 28.8–.20 36.71N–.01 5.10E–.01 12 5.0W,4.4s
MOS XI 28 23 15 29.8–3.3 36.90N 5.30E 10 4.9b,4.4s
NEIC XI 28 23 15 29.8–.26 36.94N 5.31E 10 5.0b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=10.6km s-min=10.3km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=177.7.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=159.0.
MDD Error ellipse: s-maj=5.6km s-min=4.7km az=159.0. PRXIMO.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c56; s100,c156;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.65±.08 $M_{\theta\theta}$-3.06±.07; $M_{\phi\phi}$2.42±.08; $M_{r\theta}$-1.61±.21; $M_{\theta\phi}$1.65±.07; $M_{\phi r}$0.26±.21; Best double couple: NP1:ϕ_s60.00000°,δ81.00000°,λ-18.00000°. NP2:ϕ_s152.00000°,δ73.00000°,λ-170.00000°. Principal axes: T 2.8960,Plg6.0000° ,Azm107.0000°; N 1.1840,Plg70.0000°,Azm213.0000°; P -4.0760,Plg19.0000°,Azm15.0000° M_o3.48600×10^{16}
MOS Error ellipse: s-maj=5.5km s-min=2.6km az=78.8.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=7.0. Felt [V] at Bejaia and [II] at Jijel. Also felt at Algiers, Azazga and Skikda.
ISC XI 28 23 50 47.6–.38 36.85N–.04 5.16E–.04 10 4.3b,3.4s 292 1-134
LDG XI 28 23 50 46.7–.17 36.84N 5.06E 10 4.1L,3.4s **¶601995138**
CRAAG XI 28 23 50 46.9 36.76N 5.19E 4.2L,3.4s
ISCJB XI 28 23 50 46.4–.19 36.97N–.02 5.14E–.02 10 4.2b,3.4s
NEIC XI 28 23 50 47.7–.30 36.79N 5.20E 10 4.5b,3.4s
MDD XI 28 23 50 50.4–.31 36.75N 5.26E 35 4.9b,3.4s
IDC XI 28 23 50 50.9–3.1 36.72N 5.10E 33–24 4.1,4.0
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=5.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=9.1.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=33.0. Felt at Jijel.
MDD Error ellipse: s-maj=5.0km s-min=3.8km az=45.0. PRXIMO.
IDC Error ellipse: s-maj=13.3km s-min=11.7km az=27.0.
ISC XII 10 03 42 33.5–1.1 36.70N–.07 2.36E–.05 18 15 1-4
ISCJB XII 10 03 42 33.4–.72 36.77N–.05 2.32E–.07 18 **¶602032413**
CRAAG XII 10 03 42 33.7 36.55N 2.34E 2.7L
MDD XII 10 03 42 35.0–1.3 36.66N 2.38E 19–17 3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.8km az=147.5.
MDD Error ellipse: s-maj=19.8km s-min=10.1km az=40.0. PRXIMO SIN SOLUCIN.
ISC XII 18 15 28 30.9–.93 36.83N–.04 5.35E–.04 18 38 1-8
CRAAG XII 18 15 28 29.4 36.79N 5.13E 3.0L **¶602092753**
MDD XII 18 15 28 33.1–.45 36.80N 5.33E 20 4.4b
LDG XII 18 15 28 39.7–.26 37.65N 4.97E 2 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=7.7km s-min=4.9km az=48.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=2.8km az=167.0.
ISC XII 19 16 09 08.0–1.0 36.38N–.06 2.79E–.06 18 16 0-5
CRAAG XII 19 16 09 06.5 36.35N 2.70E 2.6L **¶602051978**
ISCJB XII 19 16 09 08.1–.76 36.48N–.06 2.74E–.07 18 2.6L
MDD XII 19 16 09 08.8–.85 36.32N 2.75E 17–13 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.3km az=137.4.
MDD Error ellipse: s-maj=15.8km s-min=10.5km az=83.0. PRXIMO.
ISC XII 19 20 26 35.6–1.4 36.57N–.06 1.53E–.05 17–13 67 0-9
CRAAG XII 19 20 26 35.5 36.49N 1.55E 3.1L **¶602052188**
LDG XII 19 20 26 36.6–.34 36.40N 1.65E 18 2.9L
MDD XII 19 20 26 37.4–.76 36.49N 1.51E 15–8 3.9b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=153.0.
MDD Error ellipse: s-maj=6.8km s-min=6.2km az=163.0. PRXIMO.
CRAAG XII 23 23 41 15.6 35.07N 2.00W 2.6L
CNRM XII 23 23 41 17.2 35.05N 1.96W 7 1.5L **¶602092769**
ISC XII 24 05 14 47.7–1.2 35.89N–.04 1.35E–.03 14–8 3.7b 120 0-69
CRAAG XII 24 05 14 46.5 35.83N 1.33E 3.7L **¶602056930**
IDC XII 24 05 14 46.0–1.0 35.97N 1.37E 0 3.5,3.4
LDG XII 24 05 14 47.5–.36 36.00N 1.24E 10 2.7L,3.4
MDD XII 24 05 14 48.7–.41 35.88N 1.31E 0 4.1b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=16.2km az=155.0.
LDG Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=153.0.
MDD Error ellipse: s-maj=4.5km s-min=3.9km az=153.0. PRXIMO.
ISC XII 24 06 02 36.2–1.4 35.70N–.04 1.40E–.07 14 22 0-6
CRAAG XII 24 06 02 37.1 35.85N 1.35E 3.0L **¶602092770**
ISCJB XII 24 06 02 38.2–1.0 35.86N–.06 1.36E–.08 14 3.0L
MDD XII 24 06 02 38.9–.74 35.83N 1.35E 0 3.5b
CNRM XII 24 06 02 47.6 36.62N 0.60E 5 3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.7km az=162.7.
MDD Error ellipse: s-maj=7.5km s-min=5.2km az=81.0. PRXIMO.
ISC XII 24 07 27 06.3–1.2 35.87N–.04 1.30E–.03 17–8 57 0-6
CRAAG XII 24 07 27 04.6 35.87N 1.35E 3.6L **¶602057610**
ISCJB XII 24 07 27 07.9–.63 35.99N–.04 1.20E–.05 18–6 3.6L
MDD XII 24 07 27 07.5–.62 35.88N 1.30E 0–6 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.6km az=140.7.
MDD Error ellipse: s-maj=6.3km s-min=5.0km az=107.0. PRXIMO.
ISC XII 24 20 19 32.6–1.2 35.87N–.03 1.28E–.03 13–8 3.3b 96 0-69
IDC XII 24 20 19 31.5–1.1 36.03N 1.26E 0 3.4,3.2 **¶602058086**
CRAAG XII 24 20 19 31.2 35.80N 1.26E 3.8L,3.2
LDG XII 24 20 19 32.7–.35 35.74N 1.30E 10 2.7L,3.2
MDD XII 24 20 19 32.5–.62 35.85N 1.35E 8–3 3.9b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=18.1km az=154.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=3.5km az=152.0.
MDD Error ellipse: s-maj=5.9km s-min=4.9km az=107.0. PRXIMO.
ISC XII 26 23 47 27.0–1.2 35.85N–.03 1.25E–.03 12–8 3.5b 92 0-69
IDC XII 26 23 47 26.0–1.2 36.10N 1.27E 0 3.5,3.3 **¶602059078**
CRAAG XII 26 23 47 26.1 35.80N 1.20E 3.6L,3.3
MDD XII 26 23 47 27.2–.50 35.84N 1.31E 0 4.0b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=21.2km az=2.0.
MDD Error ellipse: s-maj=4.9km s-min=4.5km az=90.0. PRXIMO.
ISC XII 27 00 05 58.3–1.0 35.80N–.03 1.28E–.05 15 47 0-6
CRAAG XII 27 00 05 57.6 35.78N 1.22E 2.8L **¶602059080**
ISCJB XII 27 00 05 58.9–.68 35.86N–.04 1.21E–.05 15 2.8L
MDD XII 27 00 05 58.9–.68 35.81N 1.36E 4–4 3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=148.4.
MDD Error ellipse: s-maj=7.0km s-min=5.1km az=85.0. PRXIMO.
ISC XII 27 00 18 26.0–1.6 36.60N–.06 1.46E–.06 9–16 44 0-6
MDD XII 27 00 18 27.8–1.1 36.54N 1.48E 12–13 3.6b **¶602059081**
CRAAG XII 27 00 18 27.0 36.43N 1.34E 2.6L
ISC Event type ke.
MDD Error ellipse: s-maj=9.8km s-min=7.1km az=159.0. PRXIMO.

(397) Tunisia.

ISC VIII 08 19 13 34.7–1.0 36.90N–.07 8.92E–.07 10 3.4b 41 1-54
IDC VIII 08 19 13 31.4–1.8 36.73N 8.70E 0 4.7L,3.5 **¶601532915**
TUN VIII 08 19 13 33.3 36.66N 9.04E 10–1 3.4,3.5
ISCJB VIII 08 19 13 34.0–.61 37.00N–.04 8.92E–.06 10 3.4b,3.5
LDG VIII 08 19 13 37.8–.62 36.91N 9.21E 10 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=12.5km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.3km az=31.5.
LDG Event type ke. Error ellipse: s-maj=13.7km s-min=6.5km az=130.0.

(398) Sicily.

ISC VII 04 13 27 13.1–.48 38.45N–.03 15.17E–.03 173–5 4.5b 713 0-150
MOS VII 04 13 27 12.5–1.2 38.34N 15.11E 186 4.5b **¶605474029**
NEIC VII 04 13 27 13.8–.21 38.44N 15.14E 182–2 4.7b
ROM VII 04 13 27 13.7–.14 38.415N–.01 15.16E–.01 175–1 4.1L
ISCJB VII 04 13 27 13.0–.13 38.41N–.01 15.20E–.02 182–1 4.3b
PDG VII 04 13 27 14.9–.69 38.46N 15.26E 159–1 4.0L
CSEM VII 04 13 27 14.2–.17 38.43N 15.26E 182–1 4.3b
IDC VII 04 13 27 14.3–.74 38.46N 15.09E 187–7 4.4,4.0b
LDG VII 04 13 27 15.0–.19 38.44N 15.20E 159 3.7L,4.0b
THE VII 04 13 27 16.5 38.17N 15.37E 30–33 4.0L,4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=7.1km s-min=3.6km az=75.6.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=192.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=176.8.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=16.0.
IDC Error ellipse: s-maj=9.8km s-min=9.0km az=142.0.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=62.0.
THE Event type ke. Error ellipse: s-maj=39.5km s-min=2.4km az=259.0.
ROM VIII 03 07 32 41.3–.38 37.72N–.02 13.97E–.01 10 2.2
¶606361151
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 04 07 58 51.6–.86 38.66N–.05 15.35E–.07 200 3.4b 69 0-48
IDC VIII 04 07 58 51.8–1.6 38.70N 14.76E 222–73 3.6,3.1 **¶601518067**
ROM VIII 04 07 58 52.4–.23 38.60N–.01 15.35E–.02 202–2 3.3L,3.1
ISCJB VIII 04 07 58 52.5–.25 38.66N–.04 15.40E–.07 200 3.4b,3.1
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
ISC VIII 13 03 23 57.0–.57 38.92N–.07 14.71E–.06 350 3.5b 127 0-71
ISCJB VIII 13 03 23 54.9–.21 38.85N–.03 14.77E–.05 350 3.4b **¶601554156**
ROM VIII 13 03 23 55.2–.24 38.88N–.02 14.77E–.03 335–2 3.5L
LDG VIII 13 03 23 55.7–.11 38.93N 14.74E 340 3.5L
IDC VIII 13 03 23 58.0–.54 39.04N 14.41E 341–8 3.7,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=157.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=68.0.
IDC Error ellipse: s-maj=14.9km s-min=13.9km az=104.0.
ISC VIII 13 07 30 53.0–.45 38.49N–.03 13.74E–.02 12 4.2b 173 0-78
ROM VIII 13 07 30 51.9–.13 38.528N–.01 13.728E–.01 27–1 4.1L **¶601554163**
ISCJB VIII 13 07 30 51.7–.18 38.52N–.02 13.74E–.02 12 4.0b,2.7s
MOS VIII 13 07 30 51.5–1.1 38.38N 13.76E 11 4.2b,2.7s
IDC VIII 13 07 30 51.7–.72 38.42N 13.79E 0 4.0,3.9b
LDG VIII 13 07 30 52.3–.13 38.41N 13.87E 10 3.8L,3.9b
NEIC VIII 13 07 30 52.0–.00 38.55N 13.60E 10 4.4b,3.9L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=165.7.
MOS Error ellipse: s-maj=10.7km s-min=6.7km az=69.0.
IDC Error ellipse: s-maj=16.4km s-min=12.5km az=99.0.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=46.0.
NEIC Event type se. After ROM.
ISC VIII 28 23 12 16.0–.42 38.28N–.03 15.83E–.03 49–4 4.6b,3.5s 854 0-126
ISCJB VIII 28 23 12 14.7–.12 38.27N–.01 15.92E–.01 53–1 4.5b,3.6s **¶606362411**
MOS VIII 28 23 12 14.3–.95 38.29N 15.86E 45 4.8b,3.6s
LDG VIII 28 23 12 14.8–.15 38.18N 15.79E 45 3.9L,3.6s
ROM VIII 28 23 12 15.5–.10 38.205N–.01 15.728E–.01 49–1 4.6L,3.6s
NEIC VIII 28 23 12 15.0–.00 38.25N 15.71E 45 4.6L,4.6W
PDG VIII 28 23 12 15.0–.31 38.28N 15.96E 37–4 4.8,4.7L
IDC VIII 28 23 12 16.0–.55 38.32N 15.70E 54–5 4.3,4.2
BEO VIII 28 23 12 17.6–.60 38.58N 16.13E 0 4.7L,4.2
GII VIII 28 23 12 27.6–.00 37.89N 17.77E 1–0 4.7b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.7km az=14.1.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=70.2.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=111.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type fe. Felt [IV] at Bagnara Calabra, Cittanova, Messina, Palmi, Reggio di Calabria, Taurianova and Villa San Giovanni; [III] at Cosenza and Vibo Valentia; [II] at Catania. Felt widely in Calabria and northeastern Sicily. After ROM. Moment Tensor Solution. s23
Moment tensor: Scale 10^{15}Nm; M_{rr}-6.99 $M_{\theta\theta}$7.25 $M_{\phi\phi}$-0.26 $M_{r\theta}$1.97 $M_{\theta\phi}$0.90 $M_{\phi r}$4.34
Best double couple: NP1:ϕ_s239.00000°,δ60.00000°,λ-117.00000°. NP2:ϕ_s104.00000° ,δ40.00000°,λ-52.00000°. Principal axes: T 7.8300,Plg11.0000°,Azm348.0000° ; N 1.4000,Plg23.0000°,Azm253.0000°; P -9.2300,Plg64.0000°,Azm101.0000° M_o8.60000×10^{15}
PDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=90.0.
IDC Error ellipse: s-maj=10.8km s-min=8.3km az=104.0.
BEO Event type ke.
GII Event type ke.
ROM VIII 30 11 09 57.4–.06 38.309N–.00 14.866E–.01 24–0 3.5L
¶606362480
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 29 00 39 44.3–.42 38.57N–.04 14.79E–.03 244–4 4.4b 878 0-151

NEIC IX 29 00 39 42.0–.00 38.46N 14.85E 256 4.4b,4.2L ¶601767091
PDG IX 29 00 39 42.8–.51 38.63N 14.80E 253–2 4.1L,4.2L
BJI IX 29 00 39 42.9 38.69N 14.50E 258 5.1b,4.7b
ROM IX 29 00 39 43.4–.15 38.492N–.01 14.83E–.01 250–1 4.2L,4.7b
ISCJB IX 29 00 39 43.8–.11 38.49N–.01 14.78E–.01 251–1 4.4b,4.7b
LDG IX 29 00 39 43.6–.07 38.48N 14.80E 250 4.2L,4.7b
MOS IX 29 00 39 44.2–.94 38.54N 14.77E 258 4.4b,4.7b
IDC IX 29 00 39 44.5–.89 38.69N 14.62E 246–9 4.5,3.9
STR IX 29 00 40 59.5–.98 43N–9.0 10E–5.0 10 4.9b,4.4
ISC Event type ke.
NEIC Event type se. After ROM.
PDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/iasp91. preliminary.
ROM IX 29 13 38 33.3–.66 38.38N–.06 15.01E–.08 159–6 2.8L,2.4
¶606391609
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 04 08 44 12.7–.28 38.135N–.01 14.872E–.01 9–1 2.4L
¶601781456
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 04 08 44 54.4–.28 38.138N–.01 14.873E–.01 8–1 2.5L
¶607214853
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 06 13 55 20.4–.29 38.130N–.01 14.879E–.01 9–2 2.1L
¶601792810
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 06 13 56 03.8–.17 38.17N–.01 14.874E–.01 7–1 1.5
¶607214864
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 07 03 10 42.0–.27 38.147N–.01 14.871E–.01 10–1 2.0L
¶601794210
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 07 03 11 41.0–.07 38.117N–.01 14.867E–.01 11 1.2L
¶607214850
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 14 17 33 37.5–.06 38.272N–.00 15.774E–.01 17–0 1.9L
¶607214860
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM X 26 02 00 56.0–.28 38.51N–.03 14.35E–.01 10–1 1.8L
¶601848663
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 13 07 06 34.0–.54 38.31N–.03 15.89E–.03 71–5 4.2b 463 0-73
MOS XI 13 07 06 31.9–1.0 38.30N 15.91E 58 4.2b ¶604738936
ISCJB XI 13 07 06 32.7–.14 38.28N–.01 15.98E–.02 79–1 4.1b
LDG XI 13 07 06 32.7–.13 38.19N 15.86E 75 3.8L
NEIC XI 13 07 06 33.0–.00 38.27N 15.84E 76 4.4L,4.3b
ROM XI 13 07 06 33.3–.12 38.235N–.01 15.85E–.01 78–1 4.4L,4.3b
PDG XI 13 07 06 34.0–.29 38.43N 16.10E 75–9 4.5L,4.3b
IDC XI 13 07 06 34.9–1.4 38.44N 15.72E 82–17 3.9,3.7
BEO XI 13 07 06 36.4–1.8 38.67N 16.24E 0 4.7L,3.7
GII XI 13 07 06 48.7–.00 37.64N 17.77E 8–0 4.5b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=4.4km az=49.4.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.2km az=171.5.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=121.0.
NEIC Event type fe. Felt [II] in northeastern Sicily and in much of Calabria. After ROM.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=90.0.
IDC Error ellipse: s-maj=18.2km s-min=12.6km az=132.0.
BEO Event type ke.
GII Event type ke.
ISC XI 22 09 10 41.4–.74 37.79N–.02 15.00E–.03 28–5 3.9b,3.1s 124 0-83
IDC XI 22 09 10 36.9–1.1 37.59N 15.42E 0 3.7,3.6 ¶601993663
ISCJB XI 22 09 10 41.4–.22 37.81N–.02 14.98E–.03 32–2 3.6b,3.1s
PDG XI 22 09 10 41.6–.62 37.80N 14.95E 20–0 4.0L,3.1s
ROM XI 22 09 10 41.5–.07 37.801N–.00 14.960E–.01 24–0 4.1L,3.1s
BEO XI 22 09 10 45.5–.70 37.97N 15.17E 9–3 3.9L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=9.1km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=23.2.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC XI 22 11 25 52.6–.77 37.80N–.02 14.97E–.02 23–5 3.6b,3.0s 136 0-67
ISCJB XI 22 11 25 51.7–.21 37.82N–.02 14.99E–.03 32–2 3.5b,3.2s ¶601993703
PDG XI 22 11 25 51.8–.61 37.79N 14.99E 22–0 4.0L,3.2s
ROM XI 22 11 25 51.7–.06 37.801N–.00 14.963E–.01 27–0 4.1L,3.2s
BEO XI 22 11 25 52.9–.60 37.88N 15.06E 3–2 3.9L,3.2s
IDC XI 22 11 25 54.0–1.5 37.80N 14.84E 30–16 3.7,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.3km az=19.8.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=15.9km az=130.0.
ROM XI 22 11 28 55.6–.06 37.791N–.00 14.949E–.01 24–0 3.7L
¶606769087
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 29 13 16 46.5–.90 38.64N–.07 12.41E–.08 12 22 1-9
ISCJB XI 29 13 16 46.5–.47 38.67N–.07 12.4E–.10 12 ¶602778776
ROM XI 29 13 16 47.6–.71 38.65N–.05 12.45E–.05 31 3.1L
LDG XI 29 13 16 54.5–1.0 38.66N 11.80E 2 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=3.7km az=137.5.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=29.1km s-min=17.9km az=80.0.
ISC XI 29 18 27 02.9–1.2 38.9N–.10 14.5E–.10 336 3.5b 34 1-49
ROM XI 29 18 27 02.8–.39 38.86N–.08 14.70E–.06 336–3 3.3L ¶601995267
ISCJB XI 29 18 27 03.0–.66 38.93N–.07 14.5E–.10 336 3.2b
IDC XI 29 18 27 03.4–2.3 38.85N 14.10E 356–26 3.6,2.9
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=6.1km az=150.0.
IDC Error ellipse: s-maj=36.3km s-min=15.2km az=35.0.
ROM XII 18 10 42 20.4–.18 37.733N–.00 15.17E–.01 22–2 2.0L
¶602047013
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 18 10 42 59.4–.17 37.736N–.01 15.17E–.02 22–2 2.1L
¶607298459
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

(399) Ionian Sea.

ISC VII 02 23 36 22.0–.81 37.97N–.02 20.47E–.02 18–4 3.9b 449 0-69
IDC VII 02 23 36 19.2–1.0 37.94N 20.53E 0 3.9b,3.8 ¶601351252
ISCJB VII 02 23 36 22.4–.44 38.02N–.02 20.31E–.02 27–3 3.9b,3.8
CSEM VII 02 23 36 22.0–.17 37.96N 20.36E 10 4.0b,3.8
PDG VII 02 23 36 22.3–.63 38.03N 20.33E 16–2 4.0L,3.8
NEIC VII 02 23 36 23.3–.00 37.97N 20.54E 20 4.0b,3.7L
ATH VII 02 23 36 23.3 37.97N 20.54E 20–0 3.7L,3.7L
THE VII 02 23 36 24.3 37.98N 20.54E 0–2 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=17.3km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=42.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=37.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=90.0.
NEIC Event type se. After ATH.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=58.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=231.0.
ISC VII 03 10 50 12.1–1.5 37.03N–.06 16.07E–.05 46–38 56 1-6
ISCJB VII 03 10 50 11.9–.67 37.05N–.03 16.08E–.04 23–5 ¶601263697
ROM VII 03 10 50 13.5–.17 37.129N–.01 15.94E–.01 23–1 2.9L
THE VII 03 10 50 18.2 37.49N 16.64E 0–6 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=153.9.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=10.7km s-min=1.3km az=219.0.
ISC VII 04 05 11 39.2–1.1 37.22N–.03 20.91E–.03 17–7 3.7b 237 1-73
ISCJB VII 04 05 11 38.9–.61 37.15N–.03 20.82E–.03 20–4 4.3s,3.6b ¶601663459
THE VII 04 05 11 40.1 37.23N 20.98E 0–2 3.3L,3.6b
ATH VII 04 05 11 40.2 37.25N 21.00E 25–1 3.4L,3.6b
CSEM VII 04 05 11 40.0–.21 37.22N 20.94E 10 3.4L,3.6b
IDC VII 04 05 11 42.6–2.2 37.30N 21.09E 55–25 3.6,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=42.7.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.6km az=229.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=42.0.
IDC Error ellipse: s-maj=19.2km s-min=15.4km az=32.0.
ISC VII 04 11 12 11.9–.43 37.64N–.04 16.87E–.03 41–3 4.7b,3.7s 898 1-125
IDC VII 04 11 12 06.2–.55 37.64N 16.79E 0 4.7,4.6 ¶601240447
GII VII 04 11 12 08.9–.25 37.69N 16.87E 40 4.7,4.6
ISCJB VII 04 11 12 09.8–.19 37.64N–.01 16.90E–.01 33–2 4.7b,3.7s
ROM VII 04 11 12 09.9–.07 37.475N–.00 16.799E–.00 38–0 4.7L,3.7s
TIR VII 04 11 12 10.0 38.00N 17.03E 35 4.7,3.7s
NEIC VII 04 11 12 10.0–.00 37.47N 16.74E 48 4.7L,4.7b
MOS VII 04 11 12 10.8–.86 37.76N 16.92E 37 4.9b,4.7b
PDG VII 04 11 12 11.7–.51 37.89N 17.02E 18–1 5.0,5.0L
BJI VII 04 11 12 11.1 37.77N 16.71E 55 4.9b,4.8b
CSEM VII 04 11 12 12.3–.10 37.68N 16.85E 40 4.7b,4.8b
THE VII 04 11 12 14.1 37.72N 17.06E 32–43 4.6L,4.8b
HLW VII 04 11 12 33.9 36.85N 19.57E 20–36 4.3,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=10.7km az=167.0.
GII Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=5.4.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. After ROM.
MOS Error ellipse: s-maj=5.6km s-min=2.9km az=69.8.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=21.0.
THE Event type ke. Error ellipse: s-maj=43.3km s-min=0.6km az=0.0.
ISC VIII 07 12 16 47.9–1.1 37.26N–.03 20.40E–.03 19–3 3.6b,3.1s 185 1-48
TIR VIII 07 12 16 45.6 37.34N 19.76E 9 4.5,3.1s ¶601765604
THE VIII 07 12 16 47.1 37.22N 20.38E 5–0 3.7L,3.1s
ATH VIII 07 12 16 48.0 37.24N 20.46E 23–1 3.6L,3.1s
PDG VIII 07 12 16 48.6–.58 37.31N 20.42E 16–1 3.9L,3.1s
IDC VIII 07 12 16 50.0–2.3 37.28N 20.46E 39–23 3.9L,3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=60.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=57.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.7km az=0.0.
IDC Error ellipse: s-maj=19.4km s-min=15.2km az=160.0.
ISC VIII 09 16 29 47.9–1.7 37.08N–.05 20.12E–.05 15–9 69 1-8
THE VIII 09 16 29 49.1 37.11N 20.19E 2–1 3.2L ¶602028278
ISCJB VIII 09 16 29 50.1–.99 37.08N–.04 20.18E–.05 21–5 3.2L
ATH VIII 09 16 29 50.2 37.12N 20.28E 24–1 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=144.7.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=59.0.
ISC VIII 09 22 36 21.2–1.1 37.34N–.03 20.92E–.03 12–7 3.5b 112 0-46
BEO VIII 09 22 36 17.2–1.2 37.04N 20.71E 0 3.3L ¶601734855
ISCJB VIII 09 22 36 20.5–.75 37.30N–.02 20.84E–.03 12–5 3.5b
THE VIII 09 22 36 21.3 37.35N 20.88E 20–2 3.6L
ATH VIII 09 22 36 21.4 37.36N 20.95E 18–0 3.4L
IDC VIII 09 22 36 26.8–1.7 37.35N 20.91E 62–23 3.4,3.3
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=140.4.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=3.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=51.0.
IDC Error ellipse: s-maj=22.2km s-min=11.7km az=15.0.
ISC VIII 11 21 54 44.1–.64 37.69N–.02 20.83E–.02 26–4 4.4b,3.4s 458 0-87
GII VIII 11 21 54 40.1–.00 37.63N 20.83E 10 4.4b,3.4s ¶601551802
BEO VIII 11 21 54 43.8–.70 37.61N 20.64E 10–5 4.1L,3.4s
MOS VIII 11 21 54 43.1–1.1 37.56N 20.90E 29 4.4b,3.4s
NEIC VIII 11 21 54 43.7–.00 37.68N 20.84E 21 4.4b,3.9L
ATH VIII 11 21 54 43.7 37.68N 20.84E 21–1 3.9L,3.9L
ISCJB VIII 11 21 54 44.1–.35 37.69N–.02 20.79E–.02 28–2 4.2b,3.5s
THE VIII 11 21 54 44.5 37.69N 20.86E 20–0 4.0L,3.5s
PDG VIII 11 21 54 46.8–.42 37.96N 20.68E 18–2 4.0L,3.5s
IDC VIII 11 21 54 46.3–1.1 37.66N 20.86E 46–14 3.9,3.9
ISC Event type ke.
GII Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=75.2.
NEIC Event type se. After ATH.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=35.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=248.0.
PDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.5km az=90.0.
IDC Error ellipse: s-maj=15.3km s-min=8.8km az=17.0.
ISC IX 02 17 59 46.3–1.5 37.79N–.04 17.48E–.03 96–20 55 1-4
ISCJB IX 02 17 59 46.4–.52 37.74N–.04 17.52E–.03 77–19 ¶601670467
ROM IX 02 17 59 46.2–.28 37.70N–.03 17.51E–.03 83–4 2.8L
ATH IX 02 17 59 47.1 37.91N 17.61E 33–9 2.4L
THE IX 02 17 59 51.0 37.92N 17.93E 8–32 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.2km az=163.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ATH Event type ke. Error ellipse: s-maj=10.2km s-min=1.5km az=210.0. Analyst: A. Ganas ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=42.6km s-min=3.4km az=251.0.
ROM X 28 10 33 11.6–.26 37.10N–.01 16.40E–.01 29–1 2.7L
¶601853312
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1.
earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 10 21 30 00.7–.87 37.91N–.02 20.90E–.02 8–5 4.2b,3.3s 483 0-122

GII XI 10 21 29 56.3–.00 37.89N 20.87E 2 4.2b,3.3s **¶601883751**
ISCJB XI 10 21 29 59.6–.43 37.89N–.01 20.78E–.01 9–3 4.2b,3.3s
IDC XI 10 21 29 59.1–.61 37.97N 20.96E 0 4.1,4.0
PDG XI 10 21 29 59.7–.58 37.92N 20.84E 4–1 4.0L,4.0
MOS XI 10 21 30 00.1–1.4 37.84N 20.75E 16 4.3b,4.0
ATH XI 10 21 30 00.2 37.89N 20.90E 13–0 3.9L,4.0
NEIC XI 10 21 30 00.2–.00 37.89N 20.90E 13 4.3b,4.2W
THE XI 10 21 30 01.4 37.92N 20.94E 0–2 4.0L,4.2W
TIR XI 10 21 30 06.7 37.85N 21.83E 33 4.0,4.2W
HLW XI 10 21 30 18.0 36.84N 22.43E 10–37 3.7L,4.2W
ISC Event type fe.
GII Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=30.7.
IDC Error ellipse: s-maj=13.7km s-min=12.2km az=178.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
MOS Error ellipse: s-maj=7.1km s-min=3.4km az=77.4.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=42.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type fe. Felt at Katastarion, Greece. After ATH. Moment Tensor Solution. s21 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.35 $M_{\theta\theta}$2.45 $M_{\phi\phi}$-2.10 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s314.00000°,δ75.00000°,λ-18.00000°. NP2:ϕ_s49.00000°,δ73.00000°,λ-164.00000°. Principal axes: T 2.4500,Plg1.0000°,Azm2.0000° ; N 0.0400,Plg67.0000°,Azm95.0000°; P -2.4900,Plg23.0000°,Azm271.0000° M_o2.50000×10^{15}
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=245.0.
ISC XI 17 09 36 01.2–1.3 37.14N–.03 20.89E–.03 14–8 3.8b,3.6s 109 1-74
IDC XI 17 09 35 58.0–1.3 37.11N 21.16E 0 3.9b,3.9 **¶601992438**
BEO XI 17 09 35 59.3–1.2 37.00N 20.84E 5 3.2L,3.9
ISCJB XI 17 09 36 00.4–.74 37.09N–.03 20.75E–.04 21–5 3.8b,3.4s
THE XI 17 09 36 00.7 37.09N 20.86E 0–1 3.1L,3.4s
ATH XI 17 09 36 00.5 37.11N 20.85E 23–0 3.2L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=22.1km az=174.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=137.3.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=221.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=57.0. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC XI 29 23 44 34.8–1.1 37.40N–.03 20.88E–.03 14–8 3.7b 141 1-45
BEO XI 29 23 44 30.8–1.3 37.15N 22.20E 5 3.2L **¶602042747**
IDC XI 29 23 44 32.3–1.1 37.53N 20.95E 0 3.7,3.7b
ISCJB XI 29 23 44 33.7–1.2 37.34N–.02 20.76E–.03 13–9 3.6b,3.7b
THE XI 29 23 44 33.8 37.35N 20.80E 4–1 3.2L,3.7b
ATH XI 29 23 44 34.1 37.40N 20.85E 16–1 3.2L,3.7b
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=17.8km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=39.3.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=50.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=56.0. Analyst: K.L. ML Amplitudes are expressed in micrometres All distances are expressed in km.
ATH XII 07 08 29 58.3 37.14N 20.77E 28–2 3.0L ¶603913109
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=145.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.

(400) Central Mediterranean Sea.

ISC VII 03 05 03 42.4–.37 34.05N–.05 14.68E–.03 10 4.5b,3.6s 648 3-126
BJI VII 03 05 03 38.8 34.13N 14.14E 10 4.9b,4.7b **¶601235618**
PDG VII 03 05 03 38.4–.35 33.86N 15.48E 5–1 5.0L,4.7b
IDC VII 03 05 03 40.8–.53 33.98N 14.72E 0 4.3,4.2
TUN VII 03 05 03 40.8 34.09N 14.05E 2 5.5,4.2
ISCJB VII 03 05 03 40.6–.21 34.14N–.02 14.69E–.02 10 4.4b,3.7s
NEIC VII 03 05 03 40.6–1.5 34.00N 14.67E 1–9 4.5b,3.7s
GCMT VII 03 05 03 40.7–.50 33.91N 14.71E 14–3 4.8W,3.7s
CSEM VII 03 05 03 42.2–.13 34.10N 14.68E 10 4.5b,3.7s
CRAAG VII 03 05 03 43.9 34.06N 14.71E 4.7b,3.7s
MOS VII 03 05 03 45.8–1.2 34.29N 14.78E 32 4.5b,3.7s
ISC Event type fe.
PDG Event type ke. Error ellipse: s-maj=10.8km s-min=3.9km az=90.0.
IDC Error ellipse: s-maj=13.9km s-min=11.4km az=141.0.
TUN Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.9km az=167.1.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=176.0. Felt at Valletta, Malta.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s16,c18; s60,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29±.12 $M_{\theta\theta}$1.50±.11; $M_{\phi\phi}$-1.79±.14; $M_{r\theta}$0.10±.24; $M_{\theta\phi}$-0.30±.09; $M_{\phi r}$0.39±.28; Best double couple: NP1:ϕ_s230.00000°,δ85.00000°,λ-170.00000°. NP2:ϕ_s140.00000°,δ80.00000°,λ-5.00000°. Principal axes: T 1.5310,Plg3.0000°,Azm5.0000°; N 0.3540,Plg79.0000°,Azm257.0000° ; P -1.8900,Plg10.0000°,Azm95.0000° M_o1.71000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=161.0.
MOS Error ellipse: s-maj=8.0km s-min=3.3km az=68.5.
ISC VII 28 02 29 40.9–1.5 35.24N–.04 22.69E–.05 8–9 3.5b 61 1-91
IDC VII 28 02 29 39.3–1.3 35.32N 22.58E 0 3.6,3.6b **¶601666553**
ISCJB VII 28 02 29 40.9–1.5 35.17N–.05 22.58E–.08 15–11 3.5s,3.5b
ATH VII 28 02 29 41.8 35.24N 22.73E 11–2 2.9L,3.5b
CSEM VII 28 02 29 42.6–.43 35.27N 22.76E 2 2.9L,3.5b
THE VII 28 02 29 43.1 35.27N 22.78E 0–3 2.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=23.3km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=6.2km az=146.2.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=3.9km az=47.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=245.0.
ISC VIII 04 08 49 48.0–2.0 35.98N–.06 21.31E–.07 17–9 3.6b 49 1-46
THE VIII 04 08 49 50.4 36.01N 21.51E 0–6 2.9L **¶601765441**
ATH VIII 04 08 49 51.4 36.07N 21.60E 25–1 2.9L
IDC VIII 04 08 49 52.7–5.4 36.76N 22.22E 0 3.7b,3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.8km s-min=1.7km az=182.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=46.0.
IDC Error ellipse: s-maj=123.9km s-min=22.9km az=49.0.
ISC IX 14 22 19 25.5–1.7 36.48N–.06 13.10E–.04 30–13 3.8b,3.7s 87 1-91
IDC IX 14 22 19 22.0–1.0 36.41N 13.13E 0 3.8,3.8b **¶601717560**
LDG IX 14 22 19 23.8–.33 36.29N 13.18E 10 3.8L,3.8b
ROM IX 14 22 19 23.2–.64 36.35N–.04 13.07E–.02 36–5 3.8L,3.8b
NEIC IX 14 22 19 24.3–1.7 36.50N 13.08E 13–10 4.0b,3.8L
ISCJB IX 14 22 19 25.1–.53 36.55N–.04 13.03E–.03 40–5 3.8b,3.5s
ISC Event type ke.
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se.
ISCJB Event type ke.
ISC IX 15 15 41 03.4–1.4 36.59N–.06 13.03E–.03 31–10 3.8b,3.3s 61 1-76
LDG IX 15 15 40 58.6–.59 36.38N 13.11E 10 3.4L,3.3s **¶601717916**
IDC IX 15 15 40 58.7–1.0 36.26N 13.18E 0 3.8,3.8b
ROM IX 15 15 40 59.8–.51 36.34N–.04 13.08E–.01 35–4 3.9L,3.8b
ISC Event type ke.
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 21 08 47 42.1–.46 35.32N–.02 22.67E–.02 32–2 5.0b,4.5s 1448 1-152
CNRM IX 21 08 47 33.2 35.04N 24.07E 15 5.2L,4.5s **¶601735557**
BJI IX 21 08 47 34.3 35.33N 22.30E 9 5.1b,5.1b
HLW IX 21 08 47 36.7 35.65N 22.78E 33–36 5.3L,5.1b
PDG IX 21 08 47 37.5–.40 35.25N 21.86E 3–1 4.9L,5.1b
MOS IX 21 08 47 38.0–1.3 35.31N 22.64E 15 5.3b,4.3s
BEO IX 21 08 47 39.2–.60 35.18N 21.94E 10 5.1L,4.3s
THE IX 21 08 47 39.4 35.27N 22.55E 0–1 4.9L,4.3s
NEIC IX 21 08 47 40.1–.00 35.30N 22.63E 16 5.0b,4.9L
ATH IX 21 08 47 40.1 35.30N 22.63E 16–1 4.8L,4.9L
IDC IX 21 08 47 40.8–1.8 35.29N 22.70E 27–12 4.9,4.8
ISCJB IX 21 08 47 41.3–.10 35.34N–.01 22.60E–.01 33 4.9b,4.4s
GCMT IX 21 08 47 42.1–.20 35.29N–.01 22.51E–.02 12–1 5.0W,4.4s
LVSN IX 21 08 47 52.0–2.8 37.41N 23.37E 15–7 4.3s,4.4s
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=10.7km s-min=4.6km az=90.0.
MOS Error ellipse: s-maj=4.5km s-min=2.6km az=85.4.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=239.0.
NEIC Event type se. After ATH.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=42.0. Analyst: g.panopoulou ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=12.2km s-min=9.2km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=18.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c37; s100,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.10±.14 $M_{\theta\theta}$-3.93±.11; $M_{\phi\phi}$1.82±.10; $M_{r\theta}$0.14±.23; $M_{\theta\phi}$1.95±.09; $M_{\phi r}$-0.42±.29; Best double couple: NP1:ϕ_s146.00000°,δ69.00000°,λ153.00000°. NP2:ϕ_s247.00000°,δ65.00000°,λ23.00000°. Principal axes: T 2.6570,Plg33.0000° ,Azm106.0000°; N 1.8720,Plg57.0000°,Azm291.0000°; P -4.5390,Plg2.0000°,Azm197.0000° M_o3.59800×10^{16}
LVSN Error ellipse: s-maj=76.6km s-min=204.1km az=-1.0.
ISC IX 21 15 39 17.0–.32 35.51N–.03 22.77E–.03 51 4.8b,3.9s 843 1-130
BJI IX 21 15 39 12.7 35.54N 22.45E 44 5.1b,4.9b **¶601833016**
HLW IX 21 15 39 15.2 35.62N 23.16E 33–36 5.0L,4.9b
PDG IX 21 15 39 15.7–.36 35.78N 22.41E 5–2 4.5L,4.9b
IDC IX 21 15 39 15.1–2.3 35.52N 22.81E 29–16 4.6,4.6
ISCJB IX 21 15 39 16.7–.13 35.65N–.02 22.75E–.01 51 4.7b,3.9s
THE IX 21 15 39 16.1 35.37N 22.68E 10–1 4.6L,3.9s
ATH IX 21 15 39 17.5 35.49N 22.83E 61–4 4.4L,3.9s
NEIC IX 21 15 39 17.5–.00 35.49N 22.83E 61 4.7b,4.6L
MOS IX 21 15 39 18.1–1.1 35.68N 22.79E 66 4.9b,4.6L
BEO IX 21 15 39 18.4–.90 35.79N 22.11E 0 4.6L,4.6L
GCMT IX 21 15 39 19.5–.50 35.14N–.04 22.64E–.03 45–1 4.8W,4.6L
ISC Event type ke.
PDG Event type ke.
ISCJB Event type ke.
THE Event type ke.
ATH Event type ke. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. After ATH.
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c37; s46,c66;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.69±.13 $M_{\theta\theta}$-1.40±.09; $M_{\phi\phi}$-0.28±.08; $M_{r\theta}$0.82±.08; $M_{\theta\phi}$0.69±.08; $M_{\phi r}$-0.24±.07; Best double couple: NP1:ϕ_s111.00000°,δ58.00000°,λ86.00000°. NP2:ϕ_s300.00000°,δ32.00000°,λ97.00000°. Principal axes: T 1.8980,Plg76.0000° ,Azm8.0000°; N 0.0340,Plg4.0000°,Azm114.0000°; P -1.9270,Plg13.0000°,Azm205.0000° M_o1.91200×10^{16}
ISC IX 26 13 47 01.6–1.9 36.82N–.07 16.91E–.03 28–15 50 1-8
ROM IX 26 13 47 03.5–.24 36.83N–.01 16.65E–.01 17–1 2.7L **¶601741005**
THE IX 26 13 47 06.2 36.95N 17.17E 31–14 3.0L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=17.1km s-min=1.2km az=232.0.
ISC X 02 20 49 39.3–1.1 35.96N–.06 21.54E–.06 10 4.0b 55 1-47
ISCJB X 02 20 49 35.9–.75 35.83N–.05 21.39E–.05 10 3.9b **¶601996848**
IDC X 02 20 49 35.3–6.2 35.86N 21.42E 0 3.9b,3.8
THE X 02 20 49 46.6 36.22N 21.86E 0–3 3.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=4.4.
IDC Error ellipse: s-maj=113.9km s-min=26.2km az=30.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=219.0.
ISC X 08 16 29 43.6–1.8 35.30N–.06 22.57E–.06 16–9 3.8b 67 1-61
IDC X 08 16 29 37.1–6.4 35.07N 22.29E 0 3.8,3.7 **¶601997556**
ISCJB X 08 16 29 44.9–1.5 35.30N–.06 22.59E–.07 20–9 3.7b,2.5s
ATH X 08 16 29 45.0 35.34N 22.63E 30–2 2.8L,2.5s
THE X 08 16 29 45.6 35.41N 22.64E 3–1 2.8L,2.5s
ISC Event type ke.
IDC Error ellipse: s-maj=122.2km s-min=44.2km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.1km az=43.7.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=50.0. Analyst: McAris ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=57.0.
ROM X 16 17 02 07.1–.57 34.94N–.04 13.93E–.06 10 3.6L ¶601836671
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 26 15 06 15.4–1.9 34.62N–.06 22.69E–.05 6–11 4.0b 92 1-120
ISCJB X 26 15 06 13.7–1.5 34.50N–.05 22.62E–.04 7–11 3.9b **¶601999749**
IDC X 26 15 06 14.7–1.0 34.73N 22.71E 0 3.9,3.9b
THE X 26 15 06 15.9 34.53N 22.67E 5–2 3.5L,3.9b
ATH X 26 15 06 17.0 34.68N 22.76E 24–3 3.3L,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.2km az=19.4.
IDC Error ellipse: s-maj=24.2km s-min=16.1km az=166.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=183.0.
ATH Event type ke. Error ellipse: s-maj=7.2km s-min=1.3km az=188.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISC X 27 22 58 49.2–1.7 34.73N–.06 22.68E–.05 16–10 4.0b 85 1-87
IDC X 27 22 58 47.0–1.1 34.75N 22.68E 0 3.8,3.8b **¶601874223**
ATH X 27 22 58 48.7 34.73N 22.67E 14–2 3.4L,3.8b
NEIC X 27 22 58 48.2–.47 34.67N 22.70E 10 4.2b,3.8b
THE X 27 22 58 51.4 34.75N 22.77E 0–3 3.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=14.1km az=1.0.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.3km az=37.0. Analyst: SpLiakopoulos ML Amplitudes are expressed in micrometres All distances are expressed in km.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=194.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=1.5km az=198.0.
ISC X 28 01 23 20.8–2.1 34.72N–.08 22.62E–.06 5–13 33 1-47
ATH X 28 01 23 19.2 34.70N 22.56E 7–3 3.0L **¶601999876**
IDC X 28 01 23 19.1–1.7 35.24N 22.19E 0 3.6b,3.4
THE X 28 01 23 21.0 34.73N 22.54E 7–17 3.1L,3.4
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.9km s-min=1.6km az=37.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=203.9km s-min=24.8km az=140.0.
THE Event type ke. Error ellipse: s-maj=23.1km s-min=1.5km az=252.0.
ISC XI 09 02 11 41.8–.94 35.20N–.04 22.86E–.04 18–5 3.9b,3.4s 146 1-98
ATH XI 09 02 11 43.7 35.28N 23.00E 11–1 3.5L,3.4s **¶601882614**
THE XI 09 02 11 43.3 35.22N 22.94E 0–2 3.5L,3.4s
PDG XI 09 02 11 43.7–.32 35.64N 22.87E 6–1 3.9L,3.4s
IDC XI 09 02 11 46.3–2.5 35.28N 22.99E 56–26 3.8,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=47.0. Analyst: A.ANDREOU ML Amplitudes are expressed in micrometres All distances are expressed in km.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=209.0.
PDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=90.0.
IDC Error ellipse: s-maj=23.6km s-min=21.0km az=152.0.
ROM XI 20 05 25 13.2–.63 35.20N–.04 12.74E–.03 10 3.5L ¶601993105
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 28 23 31 20.7–2.5 34.95N–.05 22.84E–.10 3–14 28 1-10
THE XI 28 23 31 22.7 35.08N 22.87E 7–35 3.2L **¶603002811**
ATH XI 28 23 31 24.0 34.93N 23.04E 39–2 3.1L
HLW XI 28 23 31 25.1 34.88N 23.70E 11–20 3.3L

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=35.8km s-min=2.2km az=265.0.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=50.0. Analyst: Ch. Ventouzi ML Amplitudes are expressed in micrometres All distances are expressed in km.

ISC	**XII**	**27 06 30 35.0–1.2**	**35.05N–.07**	**22.92E–.06**	**61–12**	**3.7b**	**53**	**1-77**
THE	XII	27 06 30 31.1	34.97N	22.78E	4–5	3.1L		**¶602380696**
ATH	XII	27 06 30 32.2	35.06N	22.87E	27–3	3.1L		
ISCJB	XII	27 06 30 34.1–.77	35.05N–.06	22.92E–.06	73–6	3.5b		
IDC	XII	27 06 30 37.0–1.9	35.14N	22.93E	79–20	3.7,3.5		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=1.6km az=122.0.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.4km az=208.0. Analyst: Moshou ML Amplitudes are expressed in micrometres All distances are expressed in km.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.7km az=38.0.
IDC Error ellipse: s-maj=26.9km s-min=17.0km az=166.0.

ISC	**XII**	**31 11 10 26.7–2.2**	**35.74N–.07**	**21.68E–.06**	**4–12**	**3.5b**	**41**	**1-76**
ATH	XII	31 11 10 26.7	35.69N	21.65E	22–2	3.1L		**¶602380487**
IDC	XII	31 11 10 27.8–3.0	36.07N	21.93E	0	3.6b,3.6		
THE	XII	31 11 10 29.6	35.79N	21.77E	4–1	3.2L,3.6		

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.9km s-min=2.2km az=36.0. Analyst: Plessa ML Amplitudes are expressed in micrometres All distances are expressed in km.
IDC Error ellipse: s-maj=67.5km s-min=19.4km az=27.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=48.0.

SEISMIC REGION 32.
Atlantic Ocean.

(402) North Atlantic Ocean.

ISC	**VII**	**01 08 50 31.9–4.1**	**43.1N–.10**	**13.7W–.20**	**10**		**26**	**3-8**
MDD	VII	01 08 50 31.2–3.4	43.22N	13.81W	0	4.0b		**¶601218182**

ISC Event type ke.
MDD Error ellipse: s-maj=31.6km s-min=25.1km az=56.0. PRXIMO SOLUCIN POBRE.

OTT	**VII**	**06 04 38 58.8–2.5**	**35.38N**	**55.34W**	**18**	**3.5L**		
								¶603174797

OTT Event type ke. Error ellipse: s-maj=23.4km s-min=40.8km az=-1.0. Atlantic Ocean. 1234km south from Louisbourg, Ns.

ISC	**VII**	**30 03 34 58.4–.44**	**43.79N–.05**	**14.73W–.04**	**10**	**4.0b,3.4s**	**641**	**4-147**
IDC	VII	30 03 34 56.7–.73	43.78N	15.09W	0	6.8L,4.0		**¶601485568**
CSEM	VII	30 03 34 57.8–.11	43.93N	14.95W	10	5.8b,3.1s		
PDA	VII	30 03 34 58.3	43.88N	14.97W	10	4.5b,3.1s		
NEIC	VII	30 03 34 59.0–.53	43.94N	14.79W	10	4.0b,3.1s		
SFS	VII	30 03 35 01.0	43.85N	14.90W	0	4.7L,3.1s		
MDD	VII	30 03 35 01.4–.96	43.95N	14.91W	49	5.8b,3.1s		
IGIL	VII	30 03 35 04.6	43.77N	14.91W	28	5.1L,3.1s		
LDG	VII	30 03 35 04.5–.35	43.97N	14.61W	51–2	5.5L,4.8		
INMG	VII	30 03 35 05.8–2.2	43.79N	14.91W	26–14	4.9L,4.2		
CNRM	VII	30 03 35 17.4	42.36N	14.35W	10	4.9L,4.2		
BGS	VII	30 03 35 45.0–1.6	46.75N	12.10W	10	4.8L,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=15.2km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=137.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=1.0.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=9.8km s-min=7.2km az=116.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=102.0.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=78.0.
BGS Error ellipse: s-maj=365.3km s-min=450.5km az=-1.0.

TRN	**VII**	**31 22 53 38.6**	**20.00N**	**63.66W**	**40**	**4.7**		
								¶603306386
ISC	**VIII**	**05 09 48 12.0–2.8**	**39.69N–.05**	**12.6W–.10**	**10**		**56**	**3-5**
MDD	VIII	05 09 48 16.7–1.9	39.65N	12.33W	0	3.5b		**¶603742025**
INMG	VIII	05 09 48 18.6–.74	39.70N	12.76W	10	1.8L		

ISC Event type ke.
MDD Error ellipse: s-maj=18.1km s-min=12.0km az=87.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=90.0.

RSPR	**VIII**	**13 04 39 59.1**	**19.16N**	**68.40W**	**116–3**	**3.7**		
NEIC	VIII	13 04 39 59.1–.00	19.16N	68.40W	116	3.7		**¶601554160**

RSPR Event type ke.
NEIC Event type se. After RSPR.

TRN	**VIII**	**24 12 41 32.1**	**11.37N**	**59.16W**	**17**	**3.8**		
								¶603370060
IDC	**VIII**	**26 03 04 03.0–16**	**51.90N**	**36.39W**	**0**	**3.5,3.1**		
								¶601766473

IDC Error ellipse: s-maj=976.1km s-min=67.0km az=40.0.

OTT	**IX**	**10 13 59 22.5–.67**	**50.02N**	**51.43W**	**18**	**3.7**		
								¶601699599

OTT Event type ke. Error ellipse: s-maj=3.3km s-min=4.3km az=-1.0. 195km east from Musgrave Harbour, NI Eastern Background Seismic Zone.

TRN	**IX**	**11 21 33 55.8**	**11.29N**	**59.99W**	**91**	**3.8**		
								¶603673209
MDD	**IX**	**14 12 48 47.9–4.9**	**41.80N**	**11.40W**	**10**	**3.6b**		
								¶604014677

MDD Error ellipse: s-maj=76.8km s-min=41.9km az=43.0. PRXIMO SIN SOLUCIN.

OTT	**IX**	**18 10 01 38.2–.56**	**38.68N**	**60.28W**	**18**	**3.9L**		
								¶601729293

OTT Event type ke. Error ellipse: s-maj=5.6km s-min=9.5km az=-1.0. Atlantic Ocean. 701km southeast from Liverpool, Ns.

OTT	**IX**	**18 17 23 04.8–.51**	**41.47N**	**55.05W**	**18**	**3.8L**		
								¶601729294

OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0. Atlantic Ocean. 629km south from Grand Bank, Nl.

RSPR	**IX**	**23 09 07 17.3**	**19.29N**	**68.77W**	**82–7**	**3.6**		
NEIC	IX	23 09 07 17.3–.00	19.29N	68.77W	82	3.6		**¶601737045**

RSPR Event type ke.
NEIC Event type se. After RSPR.

IDC	**IX**	**28 21 26 56.3–367**	**4.30N**	**49.85W**	**0**			
								¶601864370

IDC Error ellipse: s-maj=199.3km s-min=149.0km az=111.0.

ISC	**X**	**11 23 40 37.0–3.9**	**43.07N–.09**	**15.6W–.20**	**10**		**68**	**5-10**
MDD	X	11 23 40 33.7–2.5	43.27N	15.97W	0	4.0b		**¶601828934**
INMG	X	11 23 40 35.4–1.7	43.30N	16.46W	10	2.6L		

ISC Event type ke.
MDD Error ellipse: s-maj=23.7km s-min=18.9km az=81.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.4km s-min=6.0km az=77.0.

ISC	**X**	**21 21 38 25.9–2.9**	**39.49N–.05**	**13.1W–.20**	**10**		**83**	**3-7**
IGIL	X	21 21 38 31.6	39.59N	13.05W	40	2.4L		**¶601840555**
MDD	X	21 21 38 32.5–1.9	39.50N	12.76W	0	3.9b		
INMG	X	21 21 38 33.8–1.3	39.48N	13.25W	10	2.2L		

ISC Event type ke.
MDD Error ellipse: s-maj=16.7km s-min=12.1km az=96.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=4.5km az=96.0.

ISC	**X**	**27 15 49 16.4–2.8**	**42.82N–.09**	**11.2W–.10**	**10**		**68**	**2-7**
MDD	X	27 15 49 19.0–1.7	42.83N	11.06W	0	3.7b		**¶601852920**
INMG	X	27 15 49 20.2–1.1	43.03N	11.49W	10	2.4L		

ISC Event type ke.
MDD Error ellipse: s-maj=15.4km s-min=9.3km az=116.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=107.0.

ISC	**XI**	**02 22 08 03.5–3.8**	**41.56N–.07**	**15.4W–.20**	**10**		**65**	**5-9**
MDD	XI	02 22 07 59.1–2.4	41.65N	15.87W	0	3.7b		**¶601869335**
INMG	XI	02 22 08 00.9–2.0	41.67N	16.35W	10	2.7L		

ISC Event type ke.
MDD Error ellipse: s-maj=22.2km s-min=19.7km az=145.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.1km s-min=8.1km az=94.0.

ISC	**XI**	**06 04 29 40.4–1.6**	**14.20N–.03**	**58.37W–.08**	**66–15**	**3.8b**	**166**	**2-77**
IDC	XI	06 04 29 33.0–.93	14.16N	57.78W	0	4.2L,4.0		**¶602051294**
TRN	XI	06 04 29 40.0	14.16N	58.46W	78	4.3,4.0		
NEIC	XI	06 04 29 40.1–.00	14.18N	58.47W	85	4.3,4.2b		
ISCJB	XI	06 04 29 41.2–.60	14.19N–.02	58.51W–.04	67–6	3.9b,4.2b		

ISC Event type se.
NEIC Event type se. After TRN.
ISCJB Event type se.

ISC	**XI**	**08 09 10 42.3–2.0**	**49.16N–.03**	**3.45W–.04**	**11–15**		**59**	**1-7**
ISCJB	XI	08 09 10 41.2–.74	49.09N–.03	3.48W–.04	14–5			**¶601881302**
LDG	XI	08 09 10 41.9–.09	49.19N	3.54W	7	3.3L,2.8		
BGS	XI	08 09 10 44.6–.88	49.25N	3.41W	16–9	2.3L,2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=6.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=96.0.
BGS Error ellipse: s-maj=10.7km s-min=7.0km az=-1.0.

RSPR	**XI**	**20 09 09 48.6**	**19.10N**	**68.39W**	**186–2**	**3.8**		
NEIC	XI	20 09 09 48.6–.00	19.10N	68.39W	186	3.8		**¶601993153**

RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR	**XI**	**28 00 20 46.3**	**19.31N**	**68.84W**	**139–2**	**4.0**		
NEIC	XI	28 00 20 46.3–.00	19.31N	68.84W	139	4.0		**¶601994916**

RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR	**XII**	**02 07 53 50.4**	**19.11N**	**68.91W**	**124–4**	**3.9**		
NEIC	XII	02 07 53 50.4–.00	19.11N	68.91W	124	3.9		**¶601995766**

RSPR Event type ke.
NEIC Event type se. After RSPR.

TRN	**XII**	**18 15 03 00.4**	**15.47N**	**58.97W**	**118**	**3.7**		
								¶603979640
RSPR	**XII**	**23 15 45 55.6**	**19.48N**	**68.09W**	**62–11**	**3.3**		
NEIC	XII	23 15 45 55.6–.00	19.48N	68.09W	62	3.3		**¶602056623**

RSPR Event type ke.
NEIC Event type se. After RSPR.

ISC	**XII**	**27 05 36 13.6–.59**	**13.06N–.03**	**58.10W–.03**	**20–3**	**5.3b,4.5s**	**1266**	**1-166**
ISCJB	XII	27 05 36 09.8–.88	12.99N–.02	58.03W–.01	7–5	5.2b,4.5s		**¶602059097**
IDC	XII	27 05 36 09.8–.37	13.05N	57.94W	0	4.9,4.8		
MOS	XII	27 05 36 10.3–1.0	13.05N	58.00W	10	5.4b,4.8		
TRN	XII	27 05 36 12.3	13.10N	58.01W	89	4.9,4.8		
NEIC	XII	27 05 36 12.1–.17	13.01N	58.00W	10	5.3b,4.9		
GCMT	XII	27 05 36 14.1–.20	13.15N–.01	57.85W–.01	12	5.2W,4.9		
BJI	XII	27 05 36 14.5	13.00N	58.10W	30	5.6b,5.4s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=168.8.
IDC Error ellipse: s-maj=10.4km s-min=10.2km az=121.0.
MOS Error ellipse: s-maj=5.2km s-min=4.5km az=64.7.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=195.0. Felt at Cap Estate, Castries, Choiseul and Soufriere, Saint Lucia.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c105; s113,c190;Duration: 1$\pm$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11$\pm$.01 $M_{\theta\theta}$-0.57$\pm$.01; $M_{\phi\phi}$0.68$\pm$.01; $M_{r\theta}$0.34$\pm$.03; $M_{\theta\phi}$0.46$\pm$.01; $M_{\phi r}$0.37$\pm$.04; Best double couple: NP1:ϕ_s62.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_s331.00000°,δ59.00000°,λ179.00000°. Principal axes: T 1.0150,Plg22.0000° ,Azm291.0000°; N -0.2200,Plg59.0000°,Azm64.0000°; P -0.7950,Plg21.0000° ,Azm192.0000° $M_0$0.90500$\times10^{17}$

RSPR	**XII**	**27 16 39 33.3**	**19.17N**	**68.06W**	**56–8**	**3.1**		
NEIC	XII	27 16 39 33.3–.00	19.17N	68.06W	56	3.1		**¶602059909**

RSPR Event type ke.
NEIC Event type se. After RSPR.

(403) Northern Mid-Atlantic Ridge.

ISC	**VII**	**07 18 17 50.6–.67**	**45.2N–.10**	**28.03W–.08**	**14**	**4.1b,3.4s**	**60**	**19-154**
ISCJB	VII	07 18 17 48.8–.39	45.23N–.08	28.05W–.06	14	4.1b,3.4s		**¶601556024**
IDC	VII	07 18 17 48.8–.80	45.22N	27.96W	0	4.0,4.0L		
NEIC	VII	07 18 17 50.0–.33	45.20N	28.04W	10	4.3b,4.0L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=6.1km az=5.7.
IDC Error ellipse: s-maj=22.4km s-min=14.4km az=24.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.0km az=185.0.

IDC	**VII**	**07 21 49 43.7–.83**	**20.31N**	**45.51W**	**0**	**3.9,3.7b**		
								¶601663608

IDC Error ellipse: s-maj=24.7km s-min=21.4km az=127.0.

IDC	**VII**	**07 22 54 56.2–.86**	**20.33N**	**45.59W**	**0**	**4.0,3.8**		
								¶601663611

IDC Error ellipse: s-maj=27.9km s-min=21.8km az=129.0.

ISC	**VII**	**07 23 01 30.8–.94**	**20.3N–.20**	**45.7W–.20**	**10**	**4.3b,3.5s**	**18**	**19-76**
ISCJB	VII	07 23 01 28.9–.80	20.3N–.10	45.7W–.10	10	4.2b,3.4s		**¶601663612**
IDC	VII	07 23 01 29.2–1.0	20.37N	45.71W	0	4.1,3.9b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=17.4km az=152.1.
IDC Error ellipse: s-maj=27.3km s-min=22.2km az=176.0.

ISC	**VII**	**08 07 24 07.5–.68**	**20.3N–.10**	**45.6W–.10**	**10**	**4.0b,3.6s**	**15**	**21-98**
ISCJB	VII	08 07 24 05.7–.51	20.4N–.10	45.6W–.10	10	3.9b,3.6s		**¶601664279**
IDC	VII	08 07 24 06.0–.64	20.34N	45.61W	0	4.1,3.9b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=11.2km az=44.6.
IDC Error ellipse: s-maj=23.5km s-min=14.4km az=132.0.

IDC	**VII**	**13 09 10 44.0–1.2**	**44.61N**	**28.25W**	**0**	**4.1,3.9b**		
								¶601664519

IDC Error ellipse: s-maj=34.7km s-min=22.1km az=6.0.

IDC	**VII**	**15 17 02 24.1–.92**	**24.85N**	**45.86W**	**0**	**3.9,3.7**		
								¶601664638

IDC Error ellipse: s-maj=31.6km s-min=20.2km az=177.0.

ISC	**VII**	**15 17 04 34.9–.65**	**24.9N–.10**	**46.0W–.10**	**15**	**4.2b,3.8s**	**31**	**20-91**
IDC	VII	15 17 04 32.7–.57	24.83N	45.94W	0	4.3,4.1b		**¶601273576**
ISCJB	VII	15 17 04 33.3–.48	24.86N–.10	46.00W–.08	15	4.1b,3.9s		
NEIC	VII	15 17 04 34.1–.34	24.84N	45.98W	10	4.0b,3.9s		
GCMT	VII	15 17 04 34.1–.30	24.90N	45.82W	12	5.0W,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=14.3km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=10.7km az=166.7.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.0km az=168.0.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c14; s91,c120; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.08$\pm$.10 $M_{\theta\theta}$1.63$\pm$.12; $M_{\phi\phi}$1.45$\pm$.09; $M_{r\theta}$-0.81$\pm$.40; $M_{\theta\phi}$1.51$\pm$.08; $M_{\phi r}$-1.15$\pm$.43; Best double couple: NP1:ϕ_s42.00000°,δ57.00000° ,λ-95.00000°. NP2:ϕ_s231.00000°,δ33.00000°,λ-82.00000°. Principal axes: T 3.3480,Plg12.0000°,Azm136.0000°; N 0.0490,Plg4.0000°,Azm45.0000° ; P -3.3970,Plg77.0000°,Azm295.0000° $M_0$3.37300$\times10^{16}$

ISC	**VII**	**19 03 54 56.9–.64**	**17.0N–.10**	**46.3W–.10**	**15**	**4.2b,3.9s**	**30**	**19-98**
IDC	VII	19 03 54 54.3–.73	17.06N	46.31W	0	4.1,3.9		**¶601643173**
ISCJB	VII	19 03 54 55.3–.41	16.95N–.08	46.26W–.07	15	4.2b,3.9s		
NEIC	VII	19 03 54 56.2–.40	16.94N	46.25W	10	4.6b,3.9s		
GCMT	VII	19 03 54 56.2–.30	17.35N	46.41W	12	4.8W,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=16.8km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=9.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.8km az=148.0.
GCMT Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c18; s86,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07$\pm$.07 $M_{\theta\theta}$0.21$\pm$.07; $M_{\phi\phi}$1.86$\pm$.05; $M_{r\theta}$1.38$\pm$.36; $M_{\theta\phi}$0.18$\pm$.06; $M_{\phi r}$-0.51$\pm$.22; Best double couple: NP1:ϕ_s339.00000°,δ57.00000° ,λ-120.00000°. NP2:ϕ_s206.00000°,δ43.00000°,λ-53.00000°. Principal axes: T 1.9260,Plg7.0000°,Azm90.0000°; N 0.8550,Plg25.0000°,Azm357.0000° ; P -2.7830,Plg64.0000°,Azm195.0000° $M_0$2.35400$\times10^{16}$

ISC	**VII**	**23 12 16 53.4–.63**	**49.5N–.10**	**28.48W–.08**	**17**	**4.4b,3.6s**	**75**	**16-151**
IDC	VII	23 12 16 50.2–.78	49.45N	28.53W	0	4.2L,4.0		**¶601666308**
ISCJB	VII	23 12 16 51.6–.34	49.50N–.09	28.49W–.06	17	4.4b,3.6s		
NEIC	VII	23 12 16 52.4–.29	49.48N	28.51W	10	4.5b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=14.8km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.5km az=6.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.8km az=187.0.

ISC	**VII**	**24 17 50 34.0–.80**	**46.8N–.20**	**27.4W–.10**	**19**	**4.4b**	**17**	**18-68**
IDC	VII	24 17 50 31.0–1.6	46.72N	27.43W	0	4.6L,3.7		**¶601643201**
ISCJB	VII	24 17 50 32.1–.59	46.8N–.10	27.4W–.10	19	4.4b,3.2s		
CSEM	VII	24 17 50 32.6	46.73N	27.44W	10	4.7b,3.2s		

NEIC VII 24 17 50 32.6–.48 46.73N 27.44W 10 4.7b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=29.6km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=11.2km az=9.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.3km az=190.0.
ISC VII 28 07 08 30.5–.56 25.9N–.10 44.99W–.08 12 4.5b,3.6s 130 19-89
ISCJB VII 28 07 08 28.6–.34 25.95N–.06 44.97W–.05 12 4.4b,3.6s **¶601483978**
IDC VII 28 07 08 28.3–.61 25.92N 45.08W 0 4.1,4.0b
NEIC VII 28 07 08 30.1–.22 25.95N 44.97W 10 4.5b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.8km az=171.0.
IDC Error ellipse: s-maj=19.2km s-min=14.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=170.0.
ISC VII 28 07 10 43.5–.61 25.8N–.10 45.1W–.10 12 4.2b,3.8s 34 20-91
ISCJB VII 28 07 10 41.8–.44 25.78N–.09 45.02W–.08 12 4.0b,3.7s **¶601521005**
IDC VII 28 07 10 41.5–.64 25.79N 45.15W 0 4.0,3.9b
NEIC VII 28 07 10 43.4–.37 25.80N 45.02W 10 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=9.7km az=156.9.
IDC Error ellipse: s-maj=22.3km s-min=15.4km az=134.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.9km az=159.0.
ISC VII 28 12 54 21.8–.53 33.79N–.10 38.66W–.08 10 4.1b,3.8s 53 28-168
ISCJB VII 28 12 54 19.9–.38 33.81N–.07 38.62W–.07 10 4.1b,3.8s **¶601484421**
IDC VII 28 12 54 20.1–.56 33.80N 38.61W 0 4.2,4.0
CSEM VII 28 12 54 21.8–.21 33.85N 38.62W 10 4.4b,4.0
NEIC VII 28 12 54 21.8–.33 33.81N 38.62W 10 4.4b,4.0
GCMT VII 28 12 54 21.8–.20 33.71N 38.66W 12 5.0W,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=8.1km az=173.7.
IDC Error ellipse: s-maj=15.4km s-min=12.4km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=8.6km az=168.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.3km az=171.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s29,c32; s106,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.10 $M_{\theta\theta}$2.07±.10; $M_{\phi\phi}$-0.99±.09; $M_{r\theta}$-0.60±.26; $M_{\theta\phi}$2.97±.07; $M_{\phi r}$-0.78±.25; Best double couple: NP1:ϕ_s14.00000°,δ89.00000° ,λ-164.00000°. NP2:ϕ_s284.00000°,δ74.00000°,λ-1.00000°. Principal axes: T 4.0460,Plg10.0000°,Azm148.0000°; N -1.1730,Plg74.0000°,Azm18.0000° ; P -2.8750,Plg12.0000°,Azm240.0000° $M_0$3.46000×10^{16}
ISC VIII 06 13 52 06.1–.82 31.2N–.20 41.1W–.10 10 4.2b,3.5s 34 26-94
ISCJB VIII 06 13 52 04.2–.60 31.2N–.10 41.17W–.08 10 4.2b,3.6s **¶601564302**
IDC VIII 06 13 52 04.6–.94 31.22N 41.12W 0 4.1,3.9b
NEIC VIII 06 13 52 05.9–.43 31.17N 41.15W 10 4.6b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=9.9km az=1.9.
IDC Error ellipse: s-maj=29.0km s-min=20.6km az=177.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.3km az=184.0.
ISC VIII 07 06 50 06.7–.54 31.8N–.10 40.57W–.07 14 4.5b,3.7s 439 11-171
IDC VIII 07 06 50 04.3–.59 31.78N 40.62W 0 4.3,4.2b **¶601521560**
ISCJB VIII 07 06 50 05.0–.30 31.77N–.06 40.55W–.03 14 4.4b,3.7s
GCMT VIII 07 06 50 05.9–.40 31.85N–.04 40.54W–.04 12–1 4.8W,3.7s
NEIC VIII 07 06 50 06.0–.17 31.73N 40.56W 10 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=11.5km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=3.6km az=175.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s69,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.17 $M_{\theta\theta}$0.71±.12; $M_{\phi\phi}$1.05±.11; $M_{r\theta}$0.02±.34; $M_{\theta\phi}$0.90±.06; $M_{\phi r}$-0.42±.30; Best double couple: NP1:ϕ_s31.00000°,δ51.00000°,λ-101.00000°. NP2:ϕ_s229.00000°,δ41.00000°,λ-76.00000°. Principal axes: T 1.8190,Plg5.0000° ,Azm129.0000°; N 0.0140,Plg9.0000°,Azm38.0000°; P -1.8320,Plg80.0000°,Azm248.0000° $M_0$1.82500×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=2.3km az=177.0.
ISC VIII 10 10 34 53.8–.95 50.0N–.20 29.1W–.10 10 3.8b,3.1s 9 17-151
ISCJB VIII 10 10 34 51.7–.84 50.0N–.20 29.1W–.20 10 3.8b,3.2s **¶601765725**
IDC VIII 10 10 34 52.4–1.0 50.01N 29.07W 0 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.2km s-min=14.0km az=10.0.
IDC Error ellipse: s-maj=36.1km s-min=19.6km az=15.0.
ISC VIII 11 00 43 39.3–2.6 53.4N–.30 30.5W–.30 10 3.7b,2.9s 11 16-148
IDC VIII 11 00 43 37.9–2.7 53.41N 30.46W 0 3.6,3.6b **¶601765741**
ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=35.6km az=52.0.
ISC VIII 11 00 44 11.2–.85 17.3N–.20 46.4W–.10 12 4.0b,3.2s 16 19-86
ISCJB VIII 11 00 44 09.5–.66 17.3N–.10 46.4W–.10 12 3.8b,3.2s **¶601765742**
IDC VIII 11 00 44 09.3–.91 17.28N 46.39W 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=13.3km az=164.1.
IDC Error ellipse: s-maj=29.5km s-min=17.4km az=173.0.
ISC VIII 11 17 47 31.5–.48 52.18N–.03 31.53W–.03 12–2 5.3b,4.9s 1619 12-154
BJI VIII 11 17 47 27.5 52.19N 32.31W 5 5.3b,5.3s **¶601553230**
MOS VIII 11 17 47 29.2–.93 52.12N 31.59W 10 5.4b,4.9s
ISCJB VIII 11 17 47 29.9–.06 52.19N–.02 31.56W–.01 12 5.2b,4.9s
NEIC VIII 11 17 47 30.9–.07 52.15N 31.54W 10 5.2b,4.9s
IDC VIII 11 17 47 30.2–.33 52.16N 31.62W 0 4.9,4.9
GCMT VIII 11 17 47 32.9–.10 52.24N–.01 31.23W–.01 15–0 5.4W,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c130; s134,c252;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.03 $M_{\theta\theta}$-0.45±.03; $M_{\phi\phi}$0.54±.02; $M_{r\theta}$-0.09±.07; $M_{\theta\phi}$-1.47±.02; $M_{\phi r}$-0.73±.08; Best double couple: NP1:ϕ_s9.00000°,δ89.00000°,λ-26.00000°. NP2:ϕ_s99.00000°,δ64.00000°,λ-179.00000°. Principal axes: T 1.7690,Plg17.0000° ,Azm57.0000°; N -0.1000,Plg64.0000°,Azm187.0000°; P -1.6690,Plg19.0000° ,Azm321.0000° $M_0$1.71900×10^{17}
IDC VIII 16 14 24 20.6–2.6 23.55N 44.70W 0 4.0,4.0
¶601765945
IDC Error ellipse: s-maj=70.4km s-min=29.6km az=20.0.
IDC VIII 20 23 16 30.1–1.7 49.98N 29.34W 0 3.6L,3.5
¶601766224
IDC Error ellipse: s-maj=64.7km s-min=29.3km az=15.0.
ISC VIII 28 12 29 12.5–.62 46.9N–.10 27.40W–.08 19 4.6b,3.7s 103 15-152
IDC VIII 28 12 29 09.8–.80 47.02N 27.50W 0 4.8L,4.1 **¶601628797**
ISCJB VIII 28 12 29 10.7–.27 46.84N–.06 27.42W–.05 19 4.5b,3.7s
IGIL VIII 28 12 29 10.4 46.89N 27.41W 10 4.4b,3.7s
NEIC VIII 28 12 29 11.4–.72 46.91N 27.42W 10–4 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=14.8km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.8km az=19.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.8km az=193.0.
IDC IX 13 17 42 41.6–1.2 10.13N 42.26W 0 4.3,4.0
¶601863470
IDC Error ellipse: s-maj=39.1km s-min=32.6km az=177.0.
ISC IX 14 12 21 49.8–.80 43.6N–.10 29.0W–.10 14 3.9b,3.5s 22 5-153
ISCJB IX 14 12 21 48.0–.69 43.51N–.06 28.9W–.10 14 3.8b,3.4s **¶601863521**
IDC IX 14 12 21 47.8–1.1 43.74N 28.91W 0 4.8L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=8.3km az=170.5.
IDC Error ellipse: s-maj=43.9km s-min=21.3km az=11.0.
ISC IX 20 08 32 44.5–.44 32.77N–.09 39.55W–.08 8 4.4b,4.0s 99 23-169
ISCJB IX 20 08 32 42.7–.30 32.82N–.06 39.59W–.05 8 4.3b,4.0s **¶601732963**
IDC IX 20 08 32 42.8–.55 32.81N 39.66W 0 4.2,4.1
NEIC IX 20 08 32 44.7–.30 32.80N 39.56W 10 4.4b,4.1
GCMT IX 20 08 32 46.7–.30 32.88N–.03 39.84W–.02 12 4.9W,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s92,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.73±.07 $M_{\theta\theta}$0.64±.09; $M_{\phi\phi}$2.09±.06; $M_{r\theta}$0.15±.36; $M_{\theta\phi}$1.11±.06; $M_{\phi r}$0.03±.25; Best double couple: NP1:ϕ_s211.00000°,δ46.00000°,λ-86.00000°. NP2:ϕ_s26.00000°,δ44.00000°,λ-94.00000°. Principal axes: T 2.6920,Plg1.0000° ,Azm298.0000°; N 0.0420,Plg3.0000°,Azm28.0000°; P -2.7370,Plg87.0000°,Azm187.0000° $M_0$2.71400×10^{16}
ISC IX 21 02 40 44.5–.95 52.5N–.20 31.9W–.10 13 4.1b,3.2s 15 17-146
ISCJB IX 21 02 40 42.9–.79 52.5N–.20 31.9W–.10 13 4.0b,3.2s **¶601767265**
IDC IX 21 02 40 43.1–1.3 52.51N 31.82W 0 4.2L,4.1
NEIC IX 21 02 40 44.2–.58 52.50N 31.90W 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=11.7km az=171.6.
IDC Error ellipse: s-maj=33.9km s-min=26.3km az=180.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.1km az=172.0.
ISC IX 25 23 41 16.4–.61 28.4N–.10 43.6W–.10 12 4.1b 18 35-129
ISCJB IX 25 23 41 14.7–.51 28.4N–.10 43.6W–.10 12 4.0b **¶601782823**
IDC IX 25 23 41 14.5–.78 28.39N 43.63W 0 4.2,4.0
NEIC IX 25 23 41 16.1–.32 28.37N 43.64W 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=12.2km az=145.1.
IDC Error ellipse: s-maj=28.9km s-min=17.7km az=165.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.0km az=144.0.
IDC IX 26 04 02 01.7–2.2 29.09N 42.99W 0 3.8,3.5
¶601864185
IDC Error ellipse: s-maj=122.6km s-min=28.8km az=23.0.
ISC IX 26 22 23 23.7–.58 26.9N–.10 44.2W–.10 10 4.1b,3.6s 41 20-128
ISCJB IX 26 22 23 22.2–.42 26.89N–.10 44.24W–.07 10 4.1b,3.6s **¶601810555**
IDC IX 26 22 23 22.2–.70 26.89N 44.29W 0 4.1,3.9
NEIC IX 26 22 23 23.9–.36 26.86N 44.24W 10 4.4b,3.9
GCMT IX 26 22 23 25.9–.50 27.34N–.04 44.52W–.04 23–1 4.9W,3.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c23; s66,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.71±.22 $M_{\theta\theta}$1.01±.12; $M_{\phi\phi}$1.70±.12; $M_{r\theta}$1.48±.20; $M_{\theta\phi}$0.23±.08; $M_{\phi r}$0.98±.15; Best double couple: NP1:ϕ_s221.00000°,δ64.00000°,λ-80.00000°. NP2:ϕ_s19.00000°,δ28.00000°,λ-109.00000°. Principal axes: T 2.2450,Plg18.0000° ,Azm304.0000°; N 1.1260,Plg9.0000°,Azm37.0000°; P -3.3710,Plg70.0000°,Azm151.0000° $M_0$2.80800×10^{16}
ISC X 04 23 14 56.4–.51 17.48N–.05 46.58W–.04 11–2 5.2b,4.9s 1326 13-177
IDC X 04 23 14 54.4–.32 17.59N 46.50W 0 4.8,4.8 **¶601783201**
MOS X 04 23 14 54.5–.89 17.56N 46.48W 10 5.4b,4.9s
ISCJB X 04 23 14 55.0–.13 17.49N–.02 46.52W–.01 14 5.2b,4.9s
NEIC X 04 23 14 56.4–.12 17.44N 46.50W 10 5.4W,5.3b
BJI X 04 23 14 56.5 17.40N 46.50W 18 5.5b,5.3s
GCMT X 04 23 14 58.4–.10 17.68N–.01 46.47W–.01 12 5.5W,5.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$0.90 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.58 $M_{\phi r}$1.36 Best double couple: NP1:ϕ_s306.00000° ,δ29.00000°,λ-151.00000°. NP2:ϕ_s190.00000°,δ77.00000°,λ-64.00000°. Principal axes: T 1.7100,Plg27.0000°,Azm260.0000°; N 0.1100,Plg25.0000°,Azm4.0000° ; P -1.8200,Plg52.0000°,Azm130.0000° $M_0$1.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c146; s128,c265;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81±.02 $M_{\theta\theta}$-0.12±.02; $M_{\phi\phi}$1.93±.02; $M_{r\theta}$-0.25±.06; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$-0.11±.05; Best double couple: NP1:ϕ_s9.00000°,δ47.00000°,λ-79.00000°. NP2:ϕ_s173.00000°,δ44.00000°,λ-102.00000°. Principal axes: T 1.9340,Plg2.0000° ,Azm91.0000°; N -0.0870,Plg8.0000°,Azm182.0000°; P -1.8490,Plg82.0000°,Azm350.0000° $M_0$1.89200×10^{17}
IDC X 04 23 21 28.9–13 18.83N 46.41W 0 4.1,3.8
¶601997073
IDC Error ellipse: s-maj=444.6km s-min=43.0km az=6.0.
ISC X 04 23 26 03.4–.71 17.6N–.20 46.5W–.10 12 4.1b 14 14-79
ISCJB X 04 23 26 01.7–.58 17.6N–.10 46.5W–.10 12 4.3s,3.9b **¶601997075**
IDC X 04 23 26 01.6–.74 17.58N 46.49W 0 4.3s,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=12.4km az=143.4.
IDC Error ellipse: s-maj=25.9km s-min=15.8km az=146.0.
ISC X 04 23 27 27.6–.34 17.60N–.07 46.44W–.05 12 4.8b 298 13-178
ISCJB X 04 23 27 25.8–.20 17.57N–.04 46.45W–.02 12 4.7b,4.0s **¶601783202**
MOS X 04 23 27 25.6–.79 17.63N 46.47W 10 4.9b,4.0s
IDC X 04 23 27 25.8–.43 17.64N 46.51W 0 4.5,4.3
GCMT X 04 23 27 26.4–.40 17.79N–.04 46.39W–.03 22–1 5.0W,4.3
NEIC X 04 23 27 27.4–.13 17.56N 46.44W 10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=2.8km az=165.1.
MOS Error ellipse: s-maj=8.8km s-min=6.4km az=139.2.
IDC Error ellipse: s-maj=16.3km s-min=10.2km az=138.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c12; s79,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.25±.32 $M_{\theta\theta}$0.50±.17; $M_{\phi\phi}$3.75±.20; $M_{r\theta}$-0.10±.38; $M_{\theta\phi}$-0.06±.12; $M_{\phi r}$-1.53±.29; Best double couple: NP1:ϕ_s1.00000°,δ55.00000°,λ-88.00000°. NP2:ϕ_s178.00000°,δ35.00000°,λ-92.00000°. Principal axes: T 4.0330,Plg10.0000° ,Azm89.0000°; N 0.5030,Plg1.0000°,Azm180.0000°; P -4.5350,Plg79.0000°,Azm277.0000° $M_0$4.28400×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.2km az=168.0.
IDC X 04 23 30 15.5–.76 17.52N 46.37W 0 4.0,3.8
¶601997076
IDC Error ellipse: s-maj=26.2km s-min=18.0km az=147.0.
ISC X 05 00 03 37.4–.83 17.6N–.10 46.5W–.20 12 3.8b 9 14-79
ISCJB X 05 00 03 35.8–.71 17.6N–.10 46.5W–.10 12 3.7b **¶601997079**
IDC X 05 00 03 35.6–.82 17.58N 46.47W 0 4.1,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=16.8km az=26.8.
IDC Error ellipse: s-maj=24.3km s-min=20.7km az=118.0.
ISC X 05 00 13 16.0–.83 17.5N–.10 46.5W–.20 12 3.9b 9 22-79
ISCJB X 05 00 13 14.3–.71 17.5N–.10 46.5W–.10 12 3.8b **¶601997080**
IDC X 05 00 13 14.1–.84 17.54N 46.50W 0 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=16.8km az=26.8.
IDC Error ellipse: s-maj=25.0km s-min=20.9km az=121.0.
ISC X 05 00 15 41.7–.26 17.52N–.05 46.50W–.04 12 5.1s,5.0b 1003 13-177
MOS X 05 00 15 39.9–.88 17.60N 46.46W 10 5.2b,5.1s **¶601783203**
IDC X 05 00 15 40.0–.36 17.59N 46.55W 0 4.7,4.6
ISCJB X 05 00 15 40.1–.14 17.53N–.03 46.50W–.01 12 5.1s,5.0b
NEIC X 05 00 15 41.7–.12 17.50N 46.45W 10 5.4W,5.1s
GCMT X 05 00 15 43.7–.20 17.63N–.01 46.45W–.01 12 5.4W,5.1s
BJI X 05 00 15 43.0 17.49N 46.44W 14 5.7b,5.4s
ISC Event type se.
MOS Error ellipse: s-maj=6.0km s-min=5.1km az=45.8.
IDC Error ellipse: s-maj=11.5km s-min=9.2km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=1.9km az=175.2.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=174.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70 $M_{\theta\theta}$0.26 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s302.00000°,δ17.00000°,λ-135.00000°. NP2:ϕ_s169.00000° ,δ78.00000°,λ-78.00000°. Principal axes: T 1.6200,Plg32.0000°,Azm249.0000° ; N 0.1200,Plg12.0000°,Azm346.0000°; P -1.7300,Plg55.0000°,Azm94.0000° $M_0$1.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c140; s126,c253;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$1.41±.02; $M_{r\theta}$-0.28±.07; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$-0.16±.06; Best double couple: NP1:ϕ_s13.00000°,δ50.00000°,λ-75.00000°. NP2:ϕ_s170.00000°,δ43.00000°,λ-107.00000°. Principal axes: T 1.4220,Plg4.0000° ,Azm92.0000°; N 0.0000,Plg12.0000°,Azm183.0000°; P -1.4170,Plg78.0000°,Azm346.0000° $M_0$1.42000×10^{17}
ISC X 05 00 19 56.9–.58 17.48N–.05 46.52W–.04 11–3 5.2s,5.2b 1113 13-177
MOS X 05 00 19 54.8–.72 17.51N 46.45W 10 5.3b,5.1s **¶601783204**
IDC X 05 00 19 54.8–.39 17.57N 46.45W 0 4.8,4.8s
ISCJB X 05 00 19 55.2–.15 17.51N–.03 46.47W–.01 10 5.2s,5.1b
NEIC X 05 00 19 57.0–.12 17.48N 46.46W 10 5.7W,5.3s
BJI X 05 00 19 56.8 17.37N 46.17W 19 5.6b,5.4s

GCMT X 05 00 19 58.0–.10 17.68N–.01 46.43W–.01 12 5.5W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s17 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16 $M_{\theta\theta}$1.57 $M_{\phi\phi}$-0.41 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.39 $M_{\phi r}$3.52 Best double couple: NP1:ϕ_s262.00000° ,δ17.00000°,λ-158.00000°. NP2:ϕ_s151.00000°,δ84.00000°,λ-74.00000°. Principal axes: T 3.5500,Plg37.0000°,Azm227.0000°; N 0.8800,Plg16.0000°,Azm329.0000° ; P -4.4300,Plg49.0000°,Azm78.0000° $M_0$4.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c100; s131,c316;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.84±.03 $M_{\theta\theta}$0.10±.03; $M_{\phi\phi}$1.74±.02; $M_{r\theta}$-0.37±.07; $M_{\theta\phi}$0.09±.02; $M_{\phi r}$-0.34±.07; Best double couple: NP1:ϕ_s13.00000°,δ52.00000°,λ-78.00000°. NP2:ϕ_s174.00000°,δ40.00000°,λ-105.00000°. Principal axes: T 1.7810,Plg6.0000° ,Azm94.0000°; N 0.1510,Plg10.0000°,Azm185.0000°; P -1.9370,Plg79.0000°,Azm334.0000° $M_0$1.85900×10^{17}
IDC X 05 01 03 13.0–1.2 17.74N 46.49W 0 4.1,3.7
¶601997086
IDC Error ellipse: s-maj=39.5km s-min=30.9km az=26.0.
ISC X 05 02 23 00.9–.54 17.54N–.10 46.5W–.10 12 4.4b,3.5s 45 14-174
ISCJB X 05 02 22 59.0–.35 17.54N–.06 46.46W–.06 12 4.3b,3.6s **¶601866935**
IDC X 05 02 22 59.1–.66 17.57N 46.49W 0 4.2,4.0
NEIC X 05 02 23 00.6–.25 17.54N 46.45W 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.9km az=136.8.
IDC Error ellipse: s-maj=24.1km s-min=15.4km az=124.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=92.0.
ISC X 06 03 40 04.0–.31 23.81N–.06 45.80W–.05 10 4.8b,4.4s 729 16-180
IDC X 06 03 40 01.8–.41 23.86N 45.75W 0 4.7,4.6 **¶601792489**
ISCJB X 06 03 40 01.8–.16 23.79N–.03 45.67W–.02 10 4.8b,4.3s
MOS X 06 03 40 01.8–.82 23.84N 45.72W 10 5.0b,4.4s
BJI X 06 03 40 02.5 23.80N 45.70W 10 5.5b,5.3b
NEIC X 06 03 40 03.7–.15 23.79N 45.67W 10 4.9b,5.3b
GCMT X 06 03 40 06.7–.20 23.81N–.01 45.65W–.01 12–1 5.2W,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c89; s122,c222;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.14 $M_{\theta\theta}$-2.58±.15; $M_{\phi\phi}$2.40±.15; $M_{r\theta}$3.00±.48; $M_{\theta\phi}$-6.92±.15; $M_{\phi r}$1.05±.37; Best double couple: NP1:ϕ_s281.00000°,δ82.00000°,λ-161.00000°. NP2:ϕ_s188.00000°,δ71.00000°,λ-9.00000°. Principal axes: T 7.3790,Plg8.0000° ,Azm53.0000°; N 1.1450,Plg69.0000°,Azm303.0000°; P -8.5250,Plg19.0000°,Azm146.0000° $M_0$7.95200×10^{16}
ISC X 11 15 12 10.0–1.1 16.0N–.20 45.8W–.20 10 3.6b,3.5s 8 13-80
ISCJB X 11 15 12 08.4–.90 16.1N–.20 45.8W–.10 10 3.6b,3.5s **¶601997901**
IDC X 11 15 12 08.5–1.1 16.03N 45.75W 0 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=19.2km az=142.8.
IDC Error ellipse: s-maj=30.2km s-min=25.1km az=155.0.
IDC X 15 21 55 42.9–.94 23.83N 45.57W 0 4.0,3.9b
¶601998378
IDC Error ellipse: s-maj=29.4km s-min=20.8km az=155.0.
IDC X 16 04 33 54.9–.90 21.38N 45.55W 0 4.0,3.8b
¶601998457
IDC Error ellipse: s-maj=30.4km s-min=21.3km az=115.0.
IDC X 18 07 48 10.3–1.0 17.18N 46.34W 0 4.0,3.8b
¶601998770
IDC Error ellipse: s-maj=33.5km s-min=20.8km az=143.0.
ISC X 21 06 18 44.6–.46 35.23N–.08 36.25W–.07 10 4.5b,3.5s 97 21-82
ISCJB X 21 06 18 42.7–.30 35.18N–.06 36.23W–.04 10 4.5b,3.5s **¶601841777**
IDC X 21 06 18 42.8–.56 35.29N 36.24W 0 4.2,4.1
NEIC X 21 06 18 44.4–.21 35.19N 36.20W 10 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=175.9.
IDC Error ellipse: s-maj=16.7km s-min=12.7km az=159.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=176.0.
IDC X 22 08 21 16.0–1.3 35.23N 36.29W 0 3.8,3.7
¶601999256
IDC Error ellipse: s-maj=44.5km s-min=20.4km az=9.0.
IDC XI 10 01 30 17.2–1.2 15.24N 45.01W 0 4.0,3.9
¶602389124
IDC Error ellipse: s-maj=44.2km s-min=25.2km az=138.0.
ISC XI 13 06 21 33.4–.35 29.88N–.07 42.77W–.06 18 4.8b,4.5s 401 24-173
IDC XI 13 06 21 30.7–.47 29.89N 42.81W 0 4.5s,4.5 **¶601890538**
ISCJB XI 13 06 21 31.7–.18 29.88N–.04 42.84W–.02 18 4.7b,4.6s
NEIC XI 13 06 21 32.2–.13 29.83N 42.78W 10 4.8b,4.6s
GCMT XI 13 06 21 35.2–.30 29.86N–.02 42.82W–.01 12 5.2W,4.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c45; s102,c161;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.02 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$0.66±.02; $M_{r\theta}$-0.38±.08; $M_{\theta\phi}$0.19±.02; $M_{\phi r}$-0.27±.05; Best double couple: NP1:ϕ_s34.00000°,δ60.00000°,λ-74.00000°. NP2:ϕ_s184.00000°,δ34.00000°,λ-116.00000°. Principal axes: T 0.8120,Plg14.0000° ,Azm112.0000°; N 0.1230,Plg14.0000°,Azm206.0000°; P -0.9350,Plg70.0000° ,Azm339.0000° $M_0$0.87400×10^{17}
ISC XI 13 06 48 19.1–.32 29.72N–.07 42.69W–.06 10 4.9b,4.2s 504 24-173
BJI XI 13 06 48 16.4 29.70N 42.60W 10 5.4b,5.2b **¶601890540**
MOS XI 13 06 48 17.3–.98 29.83N 42.65W 10 5.0b,5.2b
ISCJB XI 13 06 48 17.4–.18 29.78N–.04 42.64W–.02 10 4.8b,4.2s
IDC XI 13 06 48 17.4–.48 29.87N 42.75W 0 4.5,4.4
NEIC XI 13 06 48 19.1–.14 29.76N 42.61W 10 4.9b,4.4
GCMT XI 13 06 48 23.1–.30 29.97N–.04 42.83W–.02 13–1 5.0W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s90,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.04±.30 $M_{\theta\theta}$0.13±.17; $M_{\phi\phi}$3.91±.19; $M_{r\theta}$0.39±.61; $M_{\theta\phi}$0.12±.10; $M_{\phi r}$-0.40±.36; Best double couple: NP1:ϕ_s356.00000°,δ48.00000°,λ-97.00000°. NP2:ϕ_s187.00000°,δ43.00000°,λ-82.00000°. Principal axes: T 3.9320,Plg3.0000° ,Azm91.0000°; N 0.1640,Plg5.0000°,Azm1.0000°; P -4.0970,Plg84.0000°,Azm208.0000° $M_0$4.01500×10^{16}
ISC XI 13 06 58 01.2–.44 29.87N–.09 42.66W–.08 14 4.5b 142 22-170
IDC XI 13 06 57 58.8–.56 29.86N 42.70W 0 4.4,4.2b **¶601890541**
ISCJB XI 13 06 57 59.3–.29 29.82N–.06 42.66W–.04 14 4.4b,3.5s
NEIC XI 13 06 58 00.4–.18 29.82N 42.64W 10 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=14.0km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.9km az=177.9.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=178.0.
ISC XI 13 06 58 57.4–.86 29.8N–.20 42.7W–.10 14 4.3b 14 44-170
ISCJB XI 13 06 58 55.7–.73 29.8N–.20 42.8W–.10 14 4.2b,3.9s **¶602389328**
IDC XI 13 06 58 55.2–.93 29.77N 42.74W 0 4.4,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=15.5km az=174.8.
IDC Error ellipse: s-maj=29.9km s-min=18.8km az=180.0.
IDC XI 13 08 45 35.0–1.2 29.82N 42.67W 0 3.9s,3.9
¶602389332
IDC Error ellipse: s-maj=40.4km s-min=28.8km az=30.0.
ISC XI 14 13 40 37.5–.70 15.3N–.10 45.4W–.10 10 4.2b,3.5s 25 12-86
ISCJB XI 14 13 40 35.7–.49 15.28N–.08 45.44W–.08 10 4.1b,3.5s **¶601991975**
IDC XI 14 13 40 36.3–.79 15.31N 45.41W 0 5.0L,4.3
NEIC XI 14 13 40 37.5–.34 15.26N 45.44W 10 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=138.1.
IDC Error ellipse: s-maj=29.3km s-min=15.5km az=125.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=136.0.
ISC XI 15 07 41 40.4–.61 30.5N–.10 41.59W–.09 10 4.3b,3.7s 50 25-84
ISCJB XI 15 07 41 38.3–.46 30.4N–.10 41.68W–.06 10 4.2b,3.8s **¶602059965**
IDC XI 15 07 41 39.1–.71 30.53N 41.55W 0 4.1,3.9
NEIC XI 15 07 41 40.3–.31 30.44N 41.63W 10 4.4b,3.9
GCMT XI 15 07 41 45.3–.40 30.86N–.04 41.83W–.02 12 4.8W,3.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s61,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87±.08 $M_{\theta\theta}$0.15±.09; $M_{\phi\phi}$1.73±.06; $M_{r\theta}$0.34±.36; $M_{\theta\phi}$0.54±.06; $M_{\phi r}$-0.72±.24; Best double couple: NP1:ϕ_s3.00000°,δ56.00000°,λ-107.00000°. NP2:ϕ_s211.00000°,δ38.00000°,λ-67.00000°. Principal axes: T 1.9900,Plg9.0000° ,Azm105.0000°; N 0.1120,Plg14.0000°,Azm12.0000°; P -2.0970,Plg73.0000°,Azm227.0000° $M_0$2.04300×10^{16}
IDC XI 15 09 57 05.9–4.6 30.83N 41.72W 0 4.0,3.6
¶602389440
IDC Error ellipse: s-maj=140.8km s-min=39.7km az=168.0.
IDC XI 15 10 01 05.9–1.5 30.94N 41.84W 0 4.0,3.7
¶602389441
IDC Error ellipse: s-maj=51.9km s-min=19.5km az=6.0.
IDC XI 15 13 42 51.4–1.3 30.43N 42.33W 0 4.0s,4.0
GCMT XI 15 13 43 02.0–.30 31.00N–.03 41.86W–.02 12 4.9W,4.0 **¶602389458**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s93,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.81±.07 $M_{\theta\theta}$0.45±.09; $M_{\phi\phi}$2.36±.06; $M_{r\theta}$1.01±.38; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$-0.81±.26; Best double couple: NP1:ϕ_s2.00000°,δ52.00000° ,λ-116.00000°. NP2:ϕ_s220.00000°,δ44.00000°,λ-61.00000°. Principal axes: T 2.7560,Plg4.0000°,Azm110.0000°; N 0.5310,Plg20.0000°,Azm18.0000° ; P -3.2890,Plg70.0000°,Azm212.0000° $M_0$3.02200×10^{16}
IDC XI 15 16 30 20.9–1.2 43.01N 28.99W 0 4.4L,3.9
¶602389472
IDC Error ellipse: s-maj=57.3km s-min=21.8km az=19.0.
ISC XI 19 07 22 16.5–1.0 48.7N–.20 28.1W–.10 10 3.9b,3.2s 10 19-151
ISCJB XI 19 07 22 14.4–.92 48.7N–.20 28.1W–.20 10 3.8b,3.3s **¶602389647**
IDC XI 19 07 22 15.0–1.1 48.66N 28.13W 0 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.9km s-min=17.7km az=3.7.
IDC Error ellipse: s-maj=35.0km s-min=21.6km az=180.0.
ISC XI 28 16 42 20.3–1.2 49.9N–.20 28.9W–.20 10 3.5b,3.3s 8 20-151
ISCJB XI 28 16 42 18.5–1.1 49.9N–.20 28.9W–.20 10 3.6b,3.3s **¶602390127**
IDC XI 28 16 42 18.7–1.4 49.92N 28.91W 0 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.6km s-min=20.7km az=20.9.
IDC Error ellipse: s-maj=40.2km s-min=27.6km az=16.0.
ISC XII 12 02 57 31.4–.55 21.0N–.10 45.74W–.09 22 4.6b,4.0s 65 17-94
IDC XII 12 02 57 27.6–.67 21.05N 45.77W 0 4.2,4.1 **¶602036422**
ISCJB XII 12 02 57 29.5–.36 21.07N–.08 45.71W–.05 22 4.5b,3.9s
NEIC XII 12 02 57 29.5–.36 21.06N 45.71W 10 4.8b,3.9s
GCMT XII 12 02 57 32.5–.30 20.98N–.03 45.74W–.02 20–1 5.0W,3.9s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s82,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.33 $M_{\theta\theta}$-1.29±.18; $M_{\phi\phi}$3.35±.20; $M_{r\theta}$-3.73±.58; $M_{\theta\phi}$-0.45±.12; $M_{\phi r}$0.06±.24; Best double couple: NP1:ϕ_s137.00000°,δ66.00000°,λ-136.00000°. NP2:ϕ_s25.00000°,δ51.00000°,λ-32.00000°. Principal axes: T 3.4590,Plg9.0000° ,Azm258.0000°; N 1.9730,Plg41.0000°,Azm160.0000°; P -5.4320,Plg48.0000° ,Azm358.0000° $M_0$4.44600×10^{16}
ISC XII 13 10 02 43.9–.53 23.5N–.10 44.82W–.08 15 4.5b,3.8s 145 19-179
MOS XII 13 10 02 41.9–1.2 23.62N 44.83W 10 4.7b,3.8s **¶602043345**
IDC XII 13 10 02 41.6–1.4 23.60N 44.86W 0 4.3,4.1
BJI XII 13 10 02 41.0 23.40N 44.80W 10 5.0b,4.7s
ISCJB XII 13 10 02 42.2–.37 23.48N–.08 44.78W–.04 15 4.5b,3.8s
NEIC XII 13 10 02 43.2–.29 23.49N 44.76W 10 4.6b,3.8s
GCMT XII 13 10 02 48.2–.30 23.73N–.02 44.86W–.02 24–1 4.8W,3.8s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c17; s81,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.15 $M_{\theta\theta}$-0.41±.10; $M_{\phi\phi}$1.09±.10; $M_{r\theta}$0.71±.14; $M_{\theta\phi}$-2.06±.09; $M_{\phi r}$0.12±.12; Best double couple: NP1:ϕ_s283.00000°,δ77.00000°,λ-158.00000°. NP2:ϕ_s188.00000°,δ69.00000°,λ-14.00000°. Principal axes: T 2.5620,Plg6.0000° ,Azm54.0000°; N -0.4130,Plg65.0000°,Azm312.0000°; P -2.1450,Plg24.0000° ,Azm147.0000° $M_0$2.35400×10^{16}
IDC XII 21 22 56 46.3–2.2 49.88N 29.50W 0 3.8,3.8
¶602391832
IDC Error ellipse: s-maj=59.2km s-min=39.6km az=84.0.
ISC XII 24 14 16 01.0–.44 32.55N–.09 39.92W–.07 13 4.6b,3.9s 92 28-170
ISCJB XII 24 14 15 59.1–.28 32.52N–.06 39.99W–.05 13 4.5b,3.8s **¶602057937**
IDC XII 24 14 15 59.2–.57 32.55N 39.94W 0 4.2,4.1
NEIC XII 24 14 16 00.2–.21 32.48N 39.96W 10 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.8km az=175.4.
IDC Error ellipse: s-maj=16.8km s-min=13.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=170.0.
IDC XII 26 20 30 17.0–1.6 10.97N 41.23W 0 4.0,3.9
¶602380660
IDC Error ellipse: s-maj=56.9km s-min=26.2km az=13.0.
ISC XII 31 01 45 01.5–.38 35.28N–.07 36.37W–.06 18 4.5b,4.4s 288 22-166
IDC XII 31 01 44 58.5–.45 35.28N 36.33W 0 4.3s,4.3 **¶602065124**
MOS XII 31 01 44 58.5–1.0 35.29N 36.36W 10 4.7b,4.4s
ISCJB XII 31 01 44 59.8–.23 35.28N–.05 36.34W–.03 18 4.5b,4.4s
NEIC XII 31 01 45 00.2–.17 35.28N 36.29W 10 4.7b,4.4s
GCMT XII 31 01 45 03.2–.20 35.54N–.02 36.35W–.01 12 5.0W,4.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c34; s103,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.84±.10 $M_{\theta\theta}$0.35±.11; $M_{\phi\phi}$3.48±.08; $M_{r\theta}$2.44±.43; $M_{\theta\phi}$1.08±.08; $M_{\phi r}$-1.06±.32; Best double couple: NP1:ϕ_s352.00000°,δ53.00000°,λ-124.00000°. NP2:ϕ_s221.00000°,δ48.00000°,λ-53.00000°. Principal axes: T 3.8310,Plg3.0000° ,Azm105.0000°; N 1.3520,Plg27.0000°,Azm14.0000°; P -5.1930,Plg63.0000°,Azm201.0000° $M_0$4.51200×10^{16}

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PDA VII 04 02 48 55.6–.49 40.15N 29.35W 15 3.6,2.3L
CSEM VII 04 02 48 55.6 40.15N 29.35W 15 2.3L,2.3L **¶602388292**
PDA Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 07 19 32 33.0–.82 37.54N 24.61W 15 3.7,3.2L
CSEM VII 07 19 32 33.0 37.54N 24.61W 15 3.2L,3.2L **¶602388302**
PDA Event type ke. Error ellipse: s-maj=5.7km s-min=2.0km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
IDC VII 25 17 09 45.2–2.6 41.91N 29.61W 0 4.3L,3.7
¶601666432
IDC Error ellipse: s-maj=109.3km s-min=26.5km az=178.0.
PDA VII 28 05 20 22.2–.31 37.58N 24.78W 1–5 3.6,1.8L
CSEM VII 28 05 20 22.2 37.58N 24.78W 1 1.8L,1.8L **¶602388375**
PDA Event type ke. Error ellipse: s-maj=9.1km s-min=0.9km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 31 05 44 11.6–.38 36.77N 24.31W 10 3.7,2.0L
CSEM VII 31 05 44 11.6 36.77N 24.31W 10 2.0L,2.0L **¶602388383**
PDA Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VIII 04 05 14 30.7–1.2 36.85N 24.33W 5 3.7,2.7L
¶602388397
PDA Event type ke. Error ellipse: s-maj=7.7km s-min=6.1km az=70.0.
PDA VIII 31 00 35 49.3–.89 37.27N 24.56W 10 3.8,2.5L
¶602388485

PDA Event type ke. Error ellipse: s-maj=7.9km s-min=2.5km az=91.0.
ISC VIII 31 09 48 40.5–1.1 41.8N–.30 29.2W–.20 10 3.6b,3.4s 7 19-98
ISCJB VIII 31 09 48 38.6–.95 41.9N–.20 29.3W–.20 10 3.6b,3.4s ¶601755656
IDC VIII 31 09 48 39.0–1.3 41.85N 29.26W 0 4.3L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.0km s-min=15.7km az=16.4.
IDC Error ellipse: s-maj=42.4km s-min=22.6km az=16.0.
PDA IX 01 14 10 48.0–.79 37.46N 24.71W 5 3.6,2.9L ¶602388490

PDA Event type ke. Error ellipse: s-maj=5.5km s-min=1.7km az=78.0.
PDA IX 15 09 36 18.3–.95 40.13N 29.56W 5 3.7,2.8L ¶602388538

PDA Event type ke. Error ellipse: s-maj=10.5km s-min=6.4km az=72.0.
PDA X 09 02 37 55.9–1.3 37.45N 24.61W 15 3.6,2.6L ¶602388570

PDA Event type ke. Error ellipse: s-maj=9.7km s-min=3.4km az=77.0.
PDA X 09 02 43 02.0–.99 37.45N 24.67W 10 3.6,2.7L ¶602388571

PDA Event type ke. Error ellipse: s-maj=7.2km s-min=2.3km az=77.0.
PDA X 11 01 32 44.5–1.0 40.30N 29.48W 10 3.8,2.7L ¶602388574

PDA Event type ke. Error ellipse: s-maj=16.0km s-min=7.6km az=81.0.
ISC X 11 06 25 24.6–1.6 37.01N–.08 24.32W–.08 30–12 33 1-8
PDA X 11 06 25 27.4–1.1 36.90N 24.32W 10 4.1,3.7L ¶602388575
ISC Event type ke.
PDA Event type ke. Error ellipse: s-maj=6.3km s-min=4.7km az=63.0.
SVSA XI 01 14 43 56.2–.31 37.40N 24.64W 10 3.7,2.2L ¶602388697

SVSA Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=80.0.
ISC XI 02 20 54 37.4–.76 35.7N–.20 34.7W–.10 17 3.8b,3.7s 11 25-85
IDC XI 02 20 54 34.8–.73 35.73N 34.71W 0 4.1,3.8 ¶602388739
ISCJB XI 02 20 54 35.6–.60 35.8N–.20 34.7W–.10 17 3.8b,3.7s
ISC Event type ke.
ISCJB Event type ke.
ISC XI 23 11 17 34.9–1.2 36.5N–.30 33.5W–.10 10 3.8b,3.8s 10 23-94
ISCJB XI 23 11 17 33.1–1.1 36.5N–.20 33.5W–.10 10 3.8s,3.8b ¶602389881
IDC XI 23 11 17 33.5–1.3 36.48N 33.47W 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.8km s-min=17.2km az=3.8.
IDC Error ellipse: s-maj=46.4km s-min=20.0km az=0.0.
ISC XII 06 11 16 60.0–1.8 34.07N–.09 20.6W–.10 10 3.6b 23 3-69
SVSA XII 06 11 16 59.7–1.6 34.01N 21.02W 10 5.3,4.5L ¶602390549
IDC XII 06 11 17 00.2–1.4 34.04N 20.00W 0 3.9,3.7b
INMG XII 06 11 17 01.7–2.6 34.50N 20.78W 10 3.7L,3.7b
ISC Event type ke.
SVSA Event type ke. Error ellipse: s-maj=40.0km s-min=10.3km az=47.0.
IDC Error ellipse: s-maj=37.0km s-min=29.7km az=37.0.
INMG Event type ke. Error ellipse: s-maj=10.6km s-min=6.9km az=39.0.
ISC XII 13 11 30 57.2–.46 35.63N–.09 34.43W–.07 17 4.6b,3.8s 111 23-175
IDC XII 13 11 30 54.4–.48 35.68N 34.50W 0 4.4,4.2 ¶602043359
ISCJB XII 13 11 30 55.3–.29 35.61N–.06 34.45W–.04 17 4.5b,3.8s
NEIC XII 13 11 30 56.0–.19 35.60N 34.41W 10 4.7b,3.8s
GCMT XII 13 11 30 58.0–.50 35.83N–.04 34.48W–.04 15–1 4.8W,3.8s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s67,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18±.18 $M_{\theta\theta}$1.37±.14; $M_{\phi\phi}$0.80±.11; $M_{r\theta}$0.34±.27; $M_{\theta\phi}$0.99±.07; $M_{\phi r}$-0.41±.22; Best double couple: NP1:ϕ_s245.00000°,δ47.00000°,λ-72.00000°. NP2:ϕ_s41.00000°,δ46.00000°,λ-108.00000°. Principal axes: T 2.1180,Plg0.0000° ,Azm323.0000°; N 0.1800,Plg13.0000°,Azm53.0000°; P -2.3010,Plg77.0000°,Azm232.0000° M_o2.20900×10^{16}
ISC XII 22 13 36 16.4–.87 41.6N–.20 29.3W–.10 12 3.8b,3.6s 12 19-157
ISCJB XII 22 13 36 14.5–.75 41.6N–.20 29.4W–.10 12 3.7b,3.5s ¶602391867
IDC XII 22 13 36 14.6–.88 41.64N 29.32W 0 4.5L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=13.3km az=26.5.
IDC Error ellipse: s-maj=28.1km s-min=17.8km az=28.0.

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PDA VII 02 04 31 55.6–.43 39.51N 29.77W 5 3.6,2.3L
CSEM VII 02 04 31 55.6 39.51N 29.77W 5 2.3L,2.3L ¶602388288
PDA Event type ke. Error ellipse: s-maj=7.9km s-min=3.2km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VII 03 14 17 30.3–1.7 39.82N–.09 29.54W–.06 12–11 3.6b,3.4s 53 1-77
IDC VII 03 14 17 28.8–.80 39.86N 29.62W 0 4.3L,3.8 ¶601663438
PDA VII 03 14 17 33.8–.58 40.08N 29.42W 10 3.9,2.8L
CSEM VII 03 14 17 33.8 40.08N 29.42W 10 2.8L,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=13.6km az=172.0.
PDA Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 11 06 55 52.2–.40 39.95N 29.61W 10 3.8,2.4L
CSEM VII 11 06 55 52.2 39.95N 29.61W 10 2.4L,2.4L ¶602388318
PDA Event type ke. Error ellipse: s-maj=5.3km s-min=2.3km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 11 17 53 18.1–.53 37.99N 26.34W 4–3 3.6,2.6L
CSEM VII 11 17 53 18.1 37.99N 26.34W 4 2.6L,2.6L ¶602388323
PDA Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 15 03 34 26.4–.71 38.10N 26.18W 7–3 3.8,3.4L
CSEM VII 15 03 34 26.4 38.10N 26.18W 7 3.4L,3.4L ¶602388333
PDA Event type ke. Error ellipse: s-maj=4.5km s-min=1.3km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 16 22 31 49.7–.30 38.67N 29.05W 9–3 3.5,1.9L
CSEM VII 16 22 31 49.7 38.67N 29.05W 9 1.9L,1.9L ¶602388339
PDA Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 17 07 58 27.0–.59 38.58N 26.88W 12–3 3.5,2.6L
CSEM VII 17 07 58 27.0 38.58N 26.88W 12 2.6L,2.6L ¶602388341
PDA Event type ke. Error ellipse: s-maj=4.4km s-min=1.1km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 19 02 54 37.0–.31 39.45N 29.77W 10 3.6,2.2L
CSEM VII 19 02 54 37.0 39.45N 29.77W 10 2.2L,2.2L ¶602388346
PDA Event type ke. Error ellipse: s-maj=5.3km s-min=2.2km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 20 22 51 13.0–.39 39.39N 29.89W 15 3.6,2.6L
CSEM VII 20 22 51 13.0 39.39N 29.89W 15 2.6L,2.6L ¶602388353
PDA Event type ke. Error ellipse: s-maj=5.9km s-min=1.3km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 28 03 29 19.0–.41 38.14N 26.40W 4–2 3.6,2.0L
CSEM VII 28 03 29 19.0 38.14N 26.40W 4 2.0L,2.0L ¶602388374
PDA Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VII 31 02 56 12.5–.65 38.66N 27.91W 11–2 3.5,2.2L
CSEM VII 31 02 56 12.5 38.66N 27.91W 11 2.2L,2.2L ¶602388382
PDA Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
PDA VIII 04 07 59 53.4–.94 39.49N 29.81W 10 3.5,2.2L ¶602388398

PDA Event type ke. Error ellipse: s-maj=12.2km s-min=2.7km az=25.0.
ISC VIII 14 12 31 21.4–1.6 39.27N–.08 29.77W–.06 5–11 4.5b,3.9s 134 1-159
ISCJB VIII 14 12 31 21.4–.20 39.36N–.04 29.60W–.03 10 4.4b,4.0s ¶601561353
IDC VIII 14 12 31 21.7–.81 39.56N 30.00W 0 4.2,4.0
NEIC VIII 14 12 31 23.5–.34 39.38N 29.70W 10 4.5b,4.0
PDA VIII 14 12 31 23.4–1.4 39.39N 29.89W 10 4.3L,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.2km az=33.4.
IDC Error ellipse: s-maj=22.5km s-min=14.9km az=9.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.4km az=184.0.

PDA Event type ke. Error ellipse: s-maj=9.7km s-min=3.2km az=24.0.
PDA VIII 14 12 46 37.3–1.0 39.36N 29.79W 10 3.5,2.7L ¶602388445

PDA Event type ke. Error ellipse: s-maj=23.9km s-min=8.9km az=47.0.
PDA VIII 16 13 44 57.2–.88 38.69N 29.65W 5 3.5,2.8L ¶602388450

PDA Event type ke. Error ellipse: s-maj=16.2km s-min=8.2km az=16.0.
PDA IX 01 22 20 40.5–.88 39.41N 29.88W 10 3.5,2.8L ¶602388491

PDA Event type ke. Error ellipse: s-maj=8.3km s-min=2.8km az=22.0.
PDA IX 01 23 19 58.9–.88 39.57N 29.83W 10 3.5,2.6L ¶602388493

PDA Event type ke. Error ellipse: s-maj=21.0km s-min=7.1km az=52.0.
PDA IX 01 23 22 47.6–1.2 39.43N 29.87W 10 3.6,3.0L ¶602388494

PDA Event type ke. Error ellipse: s-maj=10.8km s-min=3.7km az=22.0.
PDA IX 02 00 35 15.5–.92 39.50N 29.75W 10 3.5,2.2L ¶602388495

PDA Event type ke. Error ellipse: s-maj=21.2km s-min=7.5km az=59.0.
PDA IX 02 00 39 11.2–.90 39.41N 29.87W 10 3.6,3.3L ¶602388496

PDA Event type ke. Error ellipse: s-maj=6.0km s-min=2.6km az=23.0.
PDA IX 02 01 01 26.0–.84 39.57N 29.73W 10 3.5,2.0L ¶602388498

PDA Event type ke. Error ellipse: s-maj=20.9km s-min=7.5km az=58.0.
PDA IX 03 02 56 27.1–.47 39.51N 29.85W 10 3.6,2.3L ¶602388502

PDA Event type ke. Error ellipse: s-maj=12.3km s-min=4.2km az=49.0.
PDA IX 06 16 36 21.9–.68 38.63N 29.32W 7–8 3.5,2.4L ¶602388513

PDA Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=74.0.
PDA IX 13 04 03 48.9–.78 38.50N 26.13W 5 3.7,1.8L ¶602388525

PDA Event type ke. Error ellipse: s-maj=16.7km s-min=2.2km az=45.0.
ISC IX 28 00 47 21.1–1.7 36.79N–.10 25.09W–.07 31–9 29 0-8
ISCJB IX 28 00 47 20.3–.72 36.77N–.06 25.11W–.07 41–9 ¶602388556
PDA IX 28 00 47 24.4–.98 36.78N 25.05W 13–4 3.2,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=6.0km az=39.4.
PDA Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=104.0.
PDA IX 29 07 49 26.3–.83 39.40N 29.87W 15–10 3.6,2.9L ¶602388557

PDA Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=29.0.
PDA X 01 00 08 49.4–1.1 38.99N 29.11W 14–10 3.5,2.1L ¶602388563

PDA Event type ke. Error ellipse: s-maj=12.1km s-min=7.3km az=69.0.
PDA X 18 07 54 54.6–.33 39.37N 29.91W 13–7 3.5,2.7L ¶602388593

PDA Event type ke. Error ellipse: s-maj=8.0km s-min=2.8km az=22.0.
ISC X 18 08 38 34.4–.38 39.23N–.06 29.69W–.05 10 4.5b,3.9s 202 1-159
BJI X 18 08 38 29.2 38.99N 30.47W 10 5.2b,5.0b ¶601838165
ISCJB X 18 08 38 32.2–.15 39.24N–.04 29.82W–.03 10 4.5b,3.8s
IDC X 18 08 38 32.9–.64 39.45N 30.01W 0 4.3,4.1
PDA X 18 08 38 34.5–1.4 39.32N 29.94W 5–8 4.2L,4.0
NEIC X 18 08 38 34.2–.21 39.26N 29.82W 10 4.6b,4.2L
GCMT X 18 08 38 35.6–.30 39.20N–.04 30.02W–.03 17–1 4.9W,4.2L
ISC Event type ke.
ISCJB Event type ke.
PDA Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s75,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.44±.21 $M_{\theta\theta}$1.29±.15; $M_{\phi\phi}$1.15±.12; $M_{r\theta}$-2.18±.39; $M_{\theta\phi}$1.02±.07; $M_{\phi r}$0.58±.30; Best double couple: NP1:ϕ_s79.00000°,δ66.00000°,λ-67.00000°. NP2:ϕ_s212.00000°,δ33.00000°,λ-132.00000°. Principal axes: T 2.6420,Plg18.0000° ,Azm152.0000°; N 0.9940,Plg21.0000°,Azm249.0000°; P -3.6370,Plg62.0000°,Azm25.0000° M_o3.14000×10^{16}
PDA X 18 08 47 00.5–1.0 39.29N 29.92W 10 3.6,3.0L ¶602388594

PDA Event type ke. Error ellipse: s-maj=16.6km s-min=3.3km az=25.0.
PDA X 18 08 57 52.7–1.2 39.47N 29.87W 10 3.7,3.2L ¶602388595

PDA Event type ke. Error ellipse: s-maj=14.5km s-min=2.9km az=28.0.
PDA X 18 10 30 41.9–1.3 39.39N 29.91W 10 3.5,3.2L ¶602388598

PDA Event type ke. Error ellipse: s-maj=18.1km s-min=4.2km az=24.0.
PDA X 18 11 11 45.6–1.2 39.44N 29.88W 10 3.6,3.4L ¶602388599

PDA Event type ke. Error ellipse: s-maj=11.4km s-min=3.8km az=22.0.
PDA X 18 12 31 36.1–.89 39.44N 29.90W 15 3.5,2.8L ¶602388600

PDA Event type ke. Error ellipse: s-maj=12.5km s-min=3.0km az=22.0.
PDA X 18 13 43 13.8–1.1 38.55N 28.58W 13–4 3.5,3.0L ¶602388601

PDA Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=43.0.
PDA X 18 14 00 53.6–.55 39.38N 29.93W 15 3.6,2.9L ¶602388603

PDA Event type ke. Error ellipse: s-maj=8.3km s-min=1.4km az=24.0.
PDA X 18 23 26 07.5–.83 39.40N 29.91W 14–5 3.7,3.0L ¶602388607

PDA Event type ke. Error ellipse: s-maj=6.1km s-min=2.3km az=25.0.
PDA X 19 00 26 41.2–.92 39.42N 29.90W 14–7 3.5,2.6L ¶602388608

PDA Event type ke. Error ellipse: s-maj=10.6km s-min=2.8km az=26.0.
PDA X 22 16 39 03.6–1.1 39.41N 29.85W 5 3.5,3.2L ¶602388610

PDA Event type ke. Error ellipse: s-maj=21.1km s-min=9.4km az=41.0.
PDA X 22 22 44 04.8–.68 39.44N 29.78W 15 3.6,3.3L ¶602388611

PDA Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=62.0.
ISC X 23 04 56 34.1–.69 39.2N–.10 29.96W–.06 10 3.8b,3.5s 26 1-85
ISCJB X 23 04 56 33.4–.47 39.2N–.10 29.95W–.07 10 3.7b,3.5s ¶601999337
PDA X 23 04 56 37.9–1.1 39.36N 29.93W 17–190 3.8,3.4L
IDC X 23 04 56 39.6–1.8 40.34N 30.14W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=3.4km az=23.7.
PDA Event type ke. Error ellipse: s-maj=9.8km s-min=8.5km az=26.0.
IDC Error ellipse: s-maj=65.4km s-min=24.9km az=2.0.
PDA X 23 05 34 21.4–.59 39.29N 29.87W 6–7 3.6,3.1L ¶602388613

PDA Event type ke. Error ellipse: s-maj=10.3km s-min=3.3km az=27.0.
PDA X 23 05 36 06.2–1.2 39.28N 29.92W 15 3.5,2.9L ¶602388614

PDA Event type ke. Error ellipse: s-maj=26.1km s-min=9.4km az=44.0.
PDA X 23 14 17 25.1–.56 39.41N 29.93W 10 3.5,2.9L ¶602388617

PDA Event type ke. Error ellipse: s-maj=12.7km s-min=1.6km az=23.0.
PDA X 23 14 28 28.1–1.0 39.35N 29.95W 14–14 3.6,3.3L ¶602388618

PDA Event type ke. Error ellipse: s-maj=11.9km s-min=8.4km az=28.0.
PDA X 23 15 52 54.1–1.2 39.38N 29.92W 8–10 3.7,3.5L ¶602388619

PDA Event type ke. Error ellipse: s-maj=15.3km s-min=3.3km az=27.0.
PDA X 23 15 57 54.0–.79 39.34N 29.96W 10 3.5,3.0L ¶602388620

PDA Event type ke. Error ellipse: s-maj=14.1km s-min=2.1km az=24.0.
PDA X 23 16 00 09.8–.48 39.43N 29.93W 9–10 3.5,3.0L ¶602388621

PDA Event type ke. Error ellipse: s-maj=11.0km s-min=4.1km az=22.0.
PDA X 23 18 02 25.1–.75 39.46N 29.91W 10 3.5,2.7L ¶602388622

PDA Event type ke. Error ellipse: s-maj=9.9km s-min=2.0km az=24.0.
PDA X 23 23 17 31.3–.89 39.35N 29.93W 14–12 3.5,2.9L ¶602388624

PDA Event type ke. Error ellipse: s-maj=9.5km s-min=7.9km az=26.0.
PDA X 25 17 10 55.9–.71 39.45N 29.89W 12–11 3.5,2.4L ¶602388625

PDA Event type ke. Error ellipse: s-maj=10.2km s-min=6.6km az=27.0.
PDA X 25 21 49 29.4–.53 39.42N 29.90W 6–4 3.7,2.7L ¶602388627

PDA Event type ke. Error ellipse: s-maj=5.6km s-min=1.7km az=31.0.
PDA X 26 00 16 43.7–.69 39.48N 29.78W 2–5 3.5,2.7L ¶602388628

PDA Event type ke. Error ellipse: s-maj=12.4km s-min=1.8km az=31.0.
PDA X 26 06 25 05.6–1.1 39.37N 29.93W 7–8 3.6,2.9L ¶602388630

PDA Event type ke. Error ellipse: s-maj=8.9km s-min=3.5km az=26.0.
PDA X 26 07 03 41.1–1.3 39.30N 29.97W 8–10 3.7,2.9L ¶602388631

PDA Event type ke. Error ellipse: s-maj=17.6km s-min=2.8km az=29.0.
PDA X 27 19 35 58.8–.81 39.35N 29.91W 13–11 3.6,2.9L ¶602388637

PDA Event type ke. Error ellipse: s-maj=7.3km s-min=2.2km az=28.0.
PDA X 27 22 21 45.4–.61 39.32N 29.88W 10 3.5,2.6L ¶602388638

PDA Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=43.0.
SVSA XI 08 21 16 13.5–.52 38.26N 26.27W 2–3 3.4,2.7L ¶602389064

SVSA Event type ke. Error ellipse: s-maj=9.6km s-min=1.1km az=35.0.
SVSA XI 08 21 16 16.5–.30 38.20N 26.36W 13–3 3.3,2.8L ¶602389067

SVSA Event type ke. Error ellipse: s-maj=4.0km s-min=1.7km az=31.0.
SVSA XI 17 01 44 59.5–.34 37.52N 25.01W 6–4 3.5,2.0L ¶602389587

SVSA Event type ke. Error ellipse: s-maj=6.9km s-min=0.8km az=70.0.
SVSA XI 18 10 06 22.2–.25 37.74N 25.05W 5–1 3.7,2.0L ¶602389636

SVSA Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=46.0.
ISC XII 17 01 43 22.6–.98 39.9N–.10 29.41W–.09 10 3.7b 11 1-74
ISCJB XII 17 01 43 23.1–1.1 39.86N–.09 29.3W–.10 10 3.6b **¶602391518**
IDC XII 17 01 43 24.6–1.0 40.56N 30.02W 0 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=7.7km az=44.8.
IDC Error ellipse: s-maj=30.7km s-min=20.7km az=168.0.

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ISC VII 05 21 28 55.4–1.2 7.4N–.10 36.0W–.30 15 3.8b,3.4s 7 13-83
ISCJB VII 05 21 28 53.5–1.0 7.4N–.10 36.0W–.20 15 3.6b,3.3s **¶601663521**
IDC VII 05 21 28 53.1–1.8 7.44N 36.01W 0 5.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.0km s-min=16.6km az=9.8.
IDC Error ellipse: s-maj=42.6km s-min=39.6km az=53.0.
ISC VII 07 15 11 45.8–.81 0.6N–.20 27.5W–.20 10 4.0b,3.8s 14 11-151
ISCJB VII 07 15 11 43.9–.70 0.6N–.20 27.5W–.10 10 3.9b,3.8s **¶601663595**
IDC VII 07 15 11 44.3–.90 0.65N 27.57W 0 4.4L,4.2
GCMT VII 07 15 11 52.0–.40 1.13N 27.67W 18–1 4.9W,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.1km s-min=11.0km az=150.0.
IDC Error ellipse: s-maj=38.0km s-min=16.7km az=154.0.
GCMT Error ellipse: s-maj=2.2km s-min=5.6km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s15,c16; s73,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.46±.23 $M_{\theta\theta}$0.22±.13; $M_{\phi\phi}$2.24±.15; $M_{r\theta}$1.26±.42; $M_{\theta\phi}$-0.21±.08; $M_{\phi r}$-0.36±.26; Best double couple: NP1:ϕ_s333.00000°,δ55.00000° ,λ-115.00000°. NP2:ϕ_s192.00000°,δ42.00000°,λ-59.00000°. Principal axes: T 2.3190,Plg7.0000°,Azm80.0000°; N 0.6550,Plg20.0000°,Azm348.0000° ; P -2.9720,Plg68.0000°,Azm188.0000° $M_0$2.64500×10^{16}
ISC VII 09 15 40 22.2–.40 0.84N–.09 29.15W–.08 16 4.6b,3.9s 72 9-155
ISCJB VII 09 15 40 20.7–.32 0.88N–.07 29.11W–.05 16 4.5b,3.9s **¶601252240**
BJI VII 09 15 40 20.0 0.80N 29.10W 10 5.5s,5.3
IDC VII 09 15 40 20.1–.48 0.83N 29.13W 0 4.5,4.3b
NEIC VII 09 15 40 21.2–.24 0.82N 29.13W 10 4.8b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.9km az=156.7.
IDC Error ellipse: s-maj=17.6km s-min=11.9km az=149.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=147.0.
ISC VII 11 10 48 11.0–.78 1.0S–.20 24.3W–.20 10 3.9b,3.6s 13 12-150
ISCJB VII 11 10 48 09.5–.75 1.0S–.20 24.2W–.10 10 3.7b,3.7s **¶601664423**
IDC VII 11 10 48 09.4–.72 0.97S 24.28W 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.4km s-min=14.7km az=152.1.
IDC Error ellipse: s-maj=29.5km s-min=18.4km az=141.0.
ISC VII 12 04 04 14.0–.31 0.42S–.05 19.80W–.05 19 4.9b,4.3s 723 9-148
MOS VII 12 04 04 11.1–.91 0.35S 19.74W 10 5.1b,4.3s **¶601266303**
ISCJB VII 12 04 04 11.9–.20 0.48S–.04 19.81W–.02 19 4.8b,4.4s
IDC VII 12 04 04 11.5–.39 0.42S 19.76W 0 4.9L,4.6
NEIC VII 12 04 04 12.9–.15 0.43S 19.78W 10 4.9b,4.6
BJI VII 12 04 04 12.0 0.50S 19.80W 10 5.5b,5.4b
GCMT VII 12 04 04 12.9–.20 0.35S 19.76W 25–0 5.2W,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=11.2km s-min=5.0km az=56.3.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=166.2.
IDC Error ellipse: s-maj=12.8km s-min=10.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.0km az=169.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s67,c106; s107,c182; Duration: 1ŝ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.16 $M_{\theta\theta}$2.11±.14; $M_{\phi\phi}$-1.63±.14; $M_{r\theta}$2.34±.31; $M_{\theta\phi}$-6.96±.12; $M_{\phi r}$-1.30±.30; Best double couple: NP1:ϕ_s81.00000°,δ81.00000° ,λ165.00000°. NP2:ϕ_s174.00000°,δ75.00000°,λ9.00000°. Principal axes: T 8.2510,Plg17.0000°,Azm37.0000°; N -1.2520,Plg73.0000°,Azm230.0000° ; P -6.9920,Plg4.0000°,Azm128.0000° $M_0$7.62200×10^{16}
IDC VII 13 10 00 13.5–1.1 2.81N 32.03W 0 4.1,3.9b ¶601664521

IDC Error ellipse: s-maj=37.9km s-min=27.1km az=157.0.
ISC VII 14 06 47 17.4–.49 3.28N–.10 31.37W–.09 10 4.4b,4.0s 40 10-158
ISCJB VII 14 06 47 15.4–.37 3.26N–.08 31.31W–.06 10 4.4b,4.0s **¶601465748**
IDC VII 14 06 47 15.8–.62 3.34N 31.36W 0 4.2,4.0
NEIC VII 14 06 47 17.3–.24 3.31N 31.34W 10 4.7b,4.0
GCMT VII 14 06 47 17.3–.40 3.36N 31.28W 20–1 4.9W,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.7km az=160.4.
IDC Error ellipse: s-maj=21.9km s-min=16.8km az=154.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.2km az=166.0.
GCMT Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s19,c20; s81,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.63±.20 $M_{\theta\theta}$0.40±.12; $M_{\phi\phi}$2.23±.14; $M_{r\theta}$0.50±.32; $M_{\theta\phi}$-0.51±.07; $M_{\phi r}$-0.71±.23; Best double couple: NP1:ϕ_s339.00000°,δ54.00000° ,λ-97.00000°. NP2:ϕ_s171.00000°,δ36.00000°,λ-81.00000°. Principal axes: T 2.4920,Plg9.0000°,Azm74.0000°; N 0.2960,Plg5.0000°,Azm343.0000° ; P -2.7880,Plg79.0000°,Azm223.0000° $M_0$2.64000×10^{16}
ISC VII 17 09 21 50.2–.41 2.92N–.09 31.26W–.08 12 4.5b,3.9s 97 10-158
ISCJB VII 17 09 21 48.7–.35 2.99N–.08 31.24W–.05 12 4.5b,3.9s **¶601472663**
IDC VII 17 09 21 48.1–.46 2.94N 31.23W 0 4.6L,4.4
NEIC VII 17 09 21 49.7–.23 2.90N 31.20W 10 4.6b,4.4
GCMT VII 17 09 21 49.7–.30 3.27N 31.26W 17–1 5.0W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.8km az=175.9.
IDC Error ellipse: s-maj=17.0km s-min=12.9km az=147.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=176.0.
GCMT Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s11,c12; s85,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.37±.20 $M_{\theta\theta}$-0.26±.12; $M_{\phi\phi}$2.63±.14; $M_{r\theta}$2.16±.46; $M_{\theta\phi}$-0.55±.08; $M_{\phi r}$-0.32±.28; Best double couple: NP1:ϕ_s319.00000°,δ62.00000° ,λ-125.00000°. NP2:ϕ_s194.00000°,δ44.00000°,λ-44.00000°. Principal axes: T 2.8600,Plg10.0000°,Azm73.0000°; N 0.8600,Plg30.0000°,Azm337.0000° ; P -3.7190,Plg58.0000°,Azm180.0000° $M_0$3.28900×10^{16}
ISC VII 18 05 43 30.8–.52 3.0N–.10 31.19W–.09 10 4.3b,4.1s 70 20-98
ISCJB VII 18 05 43 29.1–.40 2.99N–.09 31.16W–.05 10 4.3b,4.1s **¶601404422**
IDC VII 18 05 43 29.3–.55 2.98N 31.22W 0 4.2,4.1
NEIC VII 18 05 43 30.7–.30 2.95N 31.18W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=7.2km az=166.7.
IDC Error ellipse: s-maj=19.9km s-min=12.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.3km az=167.0.
ISC VII 20 06 52 48.6–.37 8.17N–.07 38.15W–.07 16 4.9s,4.8b 177 14-134
MOS VII 20 06 52 46.0–1.0 8.16N 38.19W 10 4.9b,4.8b **¶601451965**
IDC VII 20 06 52 46.2–.49 8.23N 38.18W 0 4.8L,4.8
ISCJB VII 20 06 52 47.0–.26 8.17N–.05 38.19W–.04 16 4.8s,4.7b
NEIC VII 20 06 52 47.8–.19 8.16N 38.13W 10 4.8b,4.7b
BJI VII 20 06 52 47.7 8.10N 38.10W 15 4.6s,4.5
CSEM VII 20 06 52 48.0–.10 8.13N 38.15W 10 4.8b,4.5
ISC Event type ke.
MOS Error ellipse: s-maj=11.8km s-min=8.8km az=61.3.
IDC Error ellipse: s-maj=16.7km s-min=12.2km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=162.8.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=162.0.
IDC VII 28 15 20 17.8–4.4 3.85N 32.71W 0 3.8,3.7b ¶601666569

IDC Error ellipse: s-maj=110.7km s-min=50.6km az=12.0.
IDC VII 28 15 23 42.5–2.6 4.31N 32.75W 0 4.1,3.8 ¶601666570

IDC Error ellipse: s-maj=85.7km s-min=24.0km az=173.0.
ISC VII 28 16 01 11.6–.31 4.38N–.05 32.74W–.07 11 4.9s,4.8b 407 11-160
IDC VII 28 16 01 09.7–.36 4.52N 32.70W 0 4.5,4.4 **¶601484422**
MOS VII 28 16 01 09.9–.93 4.54N 32.69W 10 5.1b,4.8s
ISCJB VII 28 16 01 10.2–.20 4.50N–.04 32.66W–.03 11 4.9s,4.7b
NEIC VII 28 16 01 11.5–.21 4.55N 32.67W 10 4.9b,4.7b
GCMT VII 28 16 01 11.5–.10 4.61N 32.58W 12 5.4W,4.7b
BJI VII 28 16 01 12.6 4.60N 32.60W 10 5.4s,5.3
ISC Event type ke.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=149.0.
MOS Error ellipse: s-maj=9.6km s-min=4.6km az=55.7.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=155.8.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=168.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s102,c169; s136,c278; Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.54±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$1.50±.02; $M_{r\theta}$0.22±.05; $M_{\theta\phi}$0.10±.01; $M_{\phi r}$-0.06±.04; Best double couple: NP1:ϕ_s356.00000°,δ46.00000° ,λ-101.00000°. NP2:ϕ_s192.00000°,δ45.00000°,λ-79.00000°. Principal axes: T 1.5070,Plg1.0000°,Azm94.0000°; N 0.0610,Plg8.0000°,Azm4.0000° ; P -1.5710,Plg82.0000°,Azm190.0000° $M_0$1.53900×10^{17}
ISC VII 28 16 01 53.2–.54 4.6N–.10 32.7W–.10 11 4.3b 25 22-96
ISCJB VII 28 16 01 51.6–.43 4.59N–.09 32.61W–.09 11 4.3b **¶601666575**
IDC VII 28 16 01 51.6–.53 4.58N 32.66W 0 4.5,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=10.7km az=135.2.
IDC Error ellipse: s-maj=18.4km s-min=13.2km az=131.0.
ISC VII 28 16 02 33.8–.57 4.5N–.10 32.6W–.10 11 4.4b 22 28-96
IDC VII 28 16 02 32.0–.55 4.44N 32.64W 0 4.4,4.3 **¶601666578**
ISCJB VII 28 16 02 32.1–.45 4.5N–.10 32.57W–.08 11 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC VII 28 16 03 59.1–3.1 4.32N 32.84W 0 4.2,3.9 ¶601666579

IDC Error ellipse: s-maj=93.2km s-min=32.7km az=177.0.
IDC VII 28 16 12 38.9–3.9 3.79N 32.59W 0 3.9,3.7 ¶601666581

IDC Error ellipse: s-maj=117.7km s-min=35.5km az=10.0.
ISC VII 28 16 18 46.6–.34 4.49N–.07 32.64W–.07 11 4.6b,4.4s 201 11-157
MOS VII 28 16 18 45.2–1.1 4.41N 32.76W 10 4.9b,4.4s **¶601484423**
BJI VII 28 16 18 45.0 4.40N 32.50W 10 5.2s,4.9
IDC VII 28 16 18 45.4–.39 4.46N 32.57W 0 4.4s,4.4
ISCJB VII 28 16 18 45.5–.26 4.49N–.06 32.70W–.04 11 4.5b,4.4s
NEIC VII 28 16 18 46.4–.26 4.51N 32.64W 10 4.8b,4.4s
GCMT VII 28 16 18 46.3–.20 4.65N 32.63W 12 5.0W,4.4s
ISC Event type se.
MOS Error ellipse: s-maj=12.5km s-min=5.9km az=53.1.
IDC Error ellipse: s-maj=14.3km s-min=10.2km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=152.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=155.0.
GCMT Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c21; s98,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.27±.09 $M_{\theta\theta}$0.23±.09; $M_{\phi\phi}$3.04±.08; $M_{r\theta}$-0.07±.45; $M_{\theta\phi}$-0.40±.07; $M_{\phi r}$1.84±.35; Best double couple: NP1:ϕ_s175.00000°,δ60.00000° ,λ-87.00000°. NP2:ϕ_s350.00000°,δ30.00000°,λ-95.00000°. Principal axes: T 3.5860,Plg15.0000°,Azm263.0000°; N 0.1800,Plg2.0000°,Azm354.0000° ; P -3.7680,Plg75.0000°,Azm92.0000° $M_0$3.67700×10^{16}
IDC VII 30 22 26 01.6–3.4 5.10N 32.67W 0 4.2,4.1 ¶601650792

IDC Error ellipse: s-maj=104.5km s-min=30.5km az=13.0.
GCMT VIII 05 10 59 57.0–.50 8.58N–.06 39.36W–.03 17–1 4.8W ¶606347876

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s64,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.95±.20 $M_{\theta\theta}$0.27±.12; $M_{\phi\phi}$1.67±.14; $M_{r\theta}$-0.70±.45; $M_{\theta\phi}$0.06±.08; $M_{\phi r}$-0.55±.29; Best double couple: NP1:ϕ_s19.00000°,δ56.00000° ,λ-73.00000°. NP2:ϕ_s170.00000°,δ37.00000°,λ-114.00000°. Principal axes: T 1.7720,Plg10.0000°,Azm97.0000°; N 0.4440,Plg14.0000°,Azm189.0000° ; P -2.2220,Plg73.0000°,Azm334.0000° $M_0$1.99700×10^{16}
ISC VIII 09 08 59 23.9–.36 1.07S–.07 24.10W–.05 12 4.8b,3.9s 451 12-150
BJI VIII 09 08 59 21.6 1.17S 24.13W 9 5.6b,5.3b **¶601533192**
ISCJB VIII 09 08 59 22.5–.29 1.00S–.06 24.14W–.03 12 4.7b,3.9s
IDC VIII 09 08 59 22.4–.46 0.94S 24.12W 0 4.5,4.4b
NEIC VIII 09 08 59 23.8–.21 1.06S 24.11W 10 4.9b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=171.5.
IDC Error ellipse: s-maj=17.0km s-min=10.9km az=150.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=174.0.
ISC VIII 16 08 04 57.3–1.1 0.5N–.30 25.5W–.10 12 3.9b,3.6s 14 14-149
ISCJB VIII 16 08 04 55.8–.94 0.5N–.30 25.38W–.10 12 3.9b,3.6s **¶601765923**
IDC VIII 16 08 04 55.5–1.1 0.54N 25.43W 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.2km s-min=12.8km az=169.3.
IDC Error ellipse: s-maj=43.3km s-min=19.2km az=158.0.
ISC VIII 16 12 08 21.6–.34 7.31N–.06 36.83W–.06 20 4.8s,4.8b 332 13-176
IDC VIII 16 12 08 17.1–.52 7.58N 36.94W 0 4.7,4.7s **¶601564322**
MOS VIII 16 12 08 18.4–1.9 7.44N 36.77W 10 4.9b,4.7s
BJI VIII 16 12 08 19.4 7.40N 36.80W 10 4.9,4.9b
NEIC VIII 16 12 08 20.9–.30 7.34N 36.77W 10 4.9b,4.8s
ISCJB VIII 16 12 08 20.5–.28 7.30N–.06 36.75W–.03 20 4.8s,4.7b
GCMT VIII 16 12 08 21.6–.10 7.70N–.01 36.97W–.01 20–0 5.5W,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c157; s133,c309;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.04 $M_{\theta\theta}$-0.17±.03; $M_{\phi\phi}$0.31±.04; $M_{r\theta}$0.01±.07; $M_{\theta\phi}$-2.65±.03; $M_{\phi r}$0.30±.08; Best double couple: NP1:ϕ_s183.00000°,δ90.00000°,λ-6.00000°. NP2:ϕ_s273.00000°,δ84.00000°,λ-180.00000°. Principal axes: T 2.7450,Plg4.0000° ,Azm228.0000°; N -0.1340,Plg84.0000°,Azm359.0000°; P -2.6110,Plg5.0000° ,Azm137.0000° $M_0$2.67800×10^{17}
ISC VIII 16 12 39 00.2–.39 7.35N–.06 36.69W–.08 10 4.8b,4.5s 174 13-165
IDC VIII 16 12 38 56.5–.49 7.84N 37.24W 0 4.6L,4.4 **¶601564324**
MOS VIII 16 12 38 58.3–1.6 7.48N 36.43W 10 4.9b,4.4s

ISCJB VIII 16 12 38 58.7–.32 7.13N–.05 36.73W–.06 10 4.6b,4.5s
NEIC VIII 16 12 39 00.8–.31 7.45N 36.55W 10 4.9b,4.5s
GCMT VIII 16 12 39 02.8–.20 7.73N–.01 37.19W–.01 16–0 5.3W,4.5s
BJI VIII 16 12 39 06.1 7.10N 38.10W 10 5.4b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=11.7km az=135.0.
MOS Error ellipse: s-maj=13.1km s-min=10.2km az=109.8.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=153.3.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.2km az=201.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s83,c128; s124,c209;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00±.03 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$0.15±.03; $M_{r\theta}$-0.21±.07; $M_{\theta\phi}$-1.32±.02; $M_{\theta r}$0.14±.07; Best double couple: NP1:ϕ_s273.00000°,δ85.00000°,λ171.00000°. NP2:ϕ_s4.00000°,δ81.00000°,λ5.00000°. Principal axes: T 1.3700,Plg10.0000°,Azm228.0000° ; N -0.0370,Plg80.0000°,Azm63.0000°; P -1.3330,Plg3.0000°,Azm319.0000° M_o1.35200×10^{17}

ISC VIII 16 14 14 31.2–.34 0.17S–.07 18.77W–.06 10 5.1b,4.5s 430 9-147
BJI VIII 16 14 14 27.9 0.39S 18.72W 4 5.6b,5.5b **¶601564327**
ISCJB VIII 16 14 14 29.0–.24 0.35S–.05 18.71W–.03 10 4.9b,4.5s
IDC VIII 16 14 14 29.5–.44 0.24S 18.79W 0 5.5L,4.6
MOS VIII 16 14 14 29.1–.90 0.22S 18.76W 11 5.3b,4.5s
NEIC VIII 16 14 14 30.9–.25 0.27S 18.76W 10 5.1b,4.5s
GCMT VIII 16 14 14 34.9–.20 0.17S–.01 18.65W–.01 24–1 5.3W,4.5s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s59,c83; s112,c172;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$0.44±.03; $M_{\phi\phi}$-0.33±.03; $M_{r\theta}$0.36±.07; $M_{\theta\phi}$-1.06±.02; $M_{\theta r}$-0.27±.06; Best double couple: NP1:ϕ_s171.00000°,δ78.00000°,λ13.00000°. NP2:ϕ_s79.00000°,δ77.00000°,λ168.00000°. Principal axes: T 1.3240,Plg17.0000° ,Azm35.0000°; N -0.2470,Plg73.0000°,Azm212.0000°; P -1.0770,Plg1.0000°,Azm305.0000° M_o1.20000×10^{17}

ISC VIII 17 00 12 10.2–.34 0.30S–.06 18.68W–.05 10 5.2b,4.3s 779 9-147
CNRM VIII 17 00 11 59.3 1.64S 19.46W 16 4.5L,4.3s **¶601564509**
ISCJB VIII 17 00 12 08.5–.16 0.33S–.03 18.68W–.02 10 5.1b,4.2s
MOS VIII 17 00 12 08.4–.78 0.22S 18.74W 9 5.5b,4.2s
IDC VIII 17 00 12 09.1–.54 0.21S 18.72W 0 6.0L,4.9
BJI VIII 17 00 12 09.0 0.30S 18.70W 10 5.7b,5.5s
NEIC VIII 17 00 12 10.4–.14 0.35S 18.71W 10 5.2b,5.5s
GCMT VIII 17 00 12 14.4–.20 0.09S–.01 18.67W–.01 33–0 5.2W,5.5s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s71,c104; s109,c178;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.65±.22 $M_{\theta\theta}$2.58±.17; $M_{\phi\phi}$-3.24±.17; $M_{r\theta}$0.90±.24; $M_{\theta\phi}$-7.32±.14; $M_{\theta r}$-1.38±.23; Best double couple: NP1:ϕ_s170.00000°,δ85.00000°,λ11.00000°. NP2:ϕ_s79.00000°,δ79.00000°,λ174.00000°. Principal axes: T 7.8670,Plg12.0000° ,Azm35.0000°; N 0.3780,Plg77.0000°,Azm195.0000°; P -8.2540,Plg4.0000°,Azm304.0000° M_o8.06000×10^{16}

ISC VIII 22 10 19 55.9–.67 4.5N–.10 32.6W–.10 11 4.4b,4.2s 30 22-99
ISCJB VIII 22 10 19 54.2–.50 4.5N–.10 32.54W–.07 11 4.2b,4.1s **¶601610559**
IDC VIII 22 10 19 54.0–.66 4.51N 32.61W 0 4.2,4.1
NEIC VIII 22 10 19 55.8–.40 4.46N 32.56W 10 4.8b,4.1
GCMT VIII 22 10 19 58.8–.30 4.85N–.03 32.70W–.02 12 4.9W,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s19,c24; s94,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14±.07 $M_{\theta\theta}$-0.05±.08; $M_{\phi\phi}$2.19±.07; $M_{r\theta}$0.93±.36; $M_{\theta\phi}$-0.46±.07; $M_{\theta r}$0.95±.26; Best double couple: NP1:ϕ_s191.00000°,δ59.00000°,λ-64.00000°. NP2:ϕ_s329.00000°,δ40.00000°,λ-126.00000°. Principal axes: T 2.4190,Plg10.0000° ,Azm263.0000°; N 0.2980,Plg22.0000°,Azm357.0000°; P -2.7210,Plg66.0000° ,Azm149.0000° M_o2.57000×10^{16}

ISC VIII 31 00 35 35.2–.32 3.64N–.06 32.20W–.07 10 4.8b,4.6s 371 10-156
ISCJB VIII 31 00 35 33.7–.23 3.89N–.05 32.22W–.03 10 4.8b,4.5s **¶601664247**
MOS VIII 31 00 35 33.8–.91 3.91N 32.21W 10 4.9b,4.5s
IDC VIII 31 00 35 33.6–.55 3.85N 32.14W 0 5.3L,4.5
NEIC VIII 31 00 35 35.7–.21 3.81N 32.16W 10 4.9b,4.5
GCMT VIII 31 00 35 39.7–.10 3.96N–.01 32.24W–.01 12–0 5.3W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s97,c162; s120,c244;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.01 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-0.10±.02; $M_{r\theta}$-0.09±.04; $M_{\theta\phi}$-1.18±.02; $M_{\theta r}$-0.10±.04; Best double couple: NP1:ϕ_s87.00000°,δ86.00000°,λ-175.00000°. NP2:ϕ_s357.00000°,δ85.00000°,λ-4.00000°. Principal axes: T 1.1890,Plg0.0000° ,Azm222.0000°; N 0.0080,Plg84.0000°,Azm131.0000°; P -1.1970,Plg6.0000°,Azm312.0000° M_o1.19300×10^{17}

ISC VIII 31 03 52 29.9–.58 3.5N–.10 31.8W–.10 10 4.0b,3.7s 23 10-100
ISCJB VIII 31 03 52 28.4–.46 3.57N–.09 31.72W–.09 10 3.8b,3.7s **¶601712945**
IDC VIII 31 03 52 28.6–.64 3.67N 31.78W 0 4.6L,4.1
NEIC VIII 31 03 52 30.1–.35 3.62N 31.77W 10 4.3b,4.1
GCMT VIII 31 03 52 34.1–.30 3.93N–.02 32.04W–.02 16–1 4.8W,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tension Solution. s23,c26; s85,c115;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.08 $M_{\theta\theta}$0.34±.08; $M_{\phi\phi}$-0.06±.07; $M_{r\theta}$-0.78±.23; $M_{\theta\phi}$-2.06±.09; $M_{\theta r}$0.70±.27; Best double couple: NP1:ϕ_s265.00000°,δ76.00000°,λ165.00000°. NP2:ϕ_s359.00000°,δ76.00000°,λ14.00000°. Principal axes: T 2.5930,Plg20.0000° ,Azm222.0000°; N -0.6620,Plg70.0000°,Azm43.0000°; P -1.9310,Plg0.0000°,Azm312.0000° M_o2.26200×10^{16}

IDC IX 19 02 26 33.5–.97 0.76S 21.72W 0 3.9,3.8L
¶601863800
IDC Error ellipse: s-maj=75.7km s-min=20.8km az=151.0.
ISC IX 23 06 22 39.8–.64 1.6N–.10 30.7W–.10 10 4.3b,3.5s 33 9-99
ISCJB IX 23 06 22 38.5–.43 1.7N–.10 30.64W–.07 10 4.2b,3.5s **¶601864029**
IDC IX 23 06 22 38.2–.79 1.68N 30.71W 0 4.3,4.1b
NEIC IX 23 06 22 39.8–.38 1.61N 30.69W 10 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.3km az=172.3.
IDC Error ellipse: s-maj=29.0km s-min=19.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.9km az=148.0.

ISC IX 23 22 37 29.6–.35 0.61S–.06 19.89W–.06 19 4.7b,3.8s 228 9-148
MOS IX 23 22 37 26.6–.94 0.52S 19.91W 10 4.8b,3.8s **¶601738416**
BJI IX 23 22 37 26.7 0.60S 19.90W 10 5.3b,3.8s
IDC IX 23 22 37 27.1–.66 0.58S 19.84W 0 4.7L,4.5
ISCJB IX 23 22 37 28.2–.22 0.56S–.04 19.85W–.04 19 4.6b,3.8s
NEIC IX 23 22 37 28.4–1.1 0.61S 19.90W 10–1 4.7b,3.8s
ISC Event type se.
MOS Error ellipse: s-maj=15.0km s-min=5.6km az=50.5.
IDC Error ellipse: s-maj=25.7km s-min=13.0km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.9km az=44.6.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.3km az=159.0.

ISC IX 24 00 55 51.6–1.1 0.5N–.40 25.6W–.20 10 4.1s,4.0b 10 14-152
IDC IX 24 00 55 49.9–1.1 0.71N 25.81W 0 4.0s,4.0 **¶601864065**
GCMT IX 24 00 55 57.0–.20 0.91N–.02 25.90W–.01 17–1 5.0W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s39,c48; s95,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.14 $M_{\theta\theta}$-0.02±.14; $M_{\phi\phi}$-0.08±.12; $M_{r\theta}$0.07±.32; $M_{\theta\phi}$-4.38±.12; $M_{\theta r}$-0.76±.32; Best double couple: NP1:ϕ_s180.00000°,δ89.00000° ,λ10.00000°. NP2:ϕ_s90.00000°,δ80.00000°,λ179.00000°. Principal axes: T 4.4090,Plg8.0000°,Azm45.0000°; N 0.0760,Plg80.0000°,Azm187.0000° ; P -4.4850,Plg6.0000°,Azm314.0000° M_o4.44700×10^{16}

ISC X 11 21 16 25.1–.58 7.58N–.08 38.5W–.10 10 4.1b,3.1s 19 14-88
ISCJB X 11 21 16 23.4–.46 7.69N–.09 38.49W–.09 10 4.0b,3.1s **¶601839764**
IDC X 11 21 16 23.7–.63 7.72N 38.51W 0 4.3L,4.2
NEIC X 11 21 16 25.2–.33 7.71N 38.51W 10 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=9.7km az=136.3.
IDC Error ellipse: s-maj=25.5km s-min=13.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.0km az=137.0.

IDC X 16 19 31 43.4–1.2 8.93N 40.51W 0 4.0,3.8b
¶601998572
IDC Error ellipse: s-maj=59.5km s-min=27.6km az=149.0.

ISC X 26 14 57 30.6–1.1 0.9N–.40 28.6W–.20 7 4.4b 10 17-152
IDC X 26 14 57 29.3–1.1 0.79N 28.50W 0 4.3,4.2 **¶601999748**
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=23.1km az=150.0.

ISC X 29 20 08 57.8–.42 8.14N–.08 39.52W–.08 14 4.6b,3.6s 68 13-167
IDC X 29 20 08 55.7–.45 8.15N 39.44W 0 5.2L,4.5 **¶601902238**
ISCJB X 29 20 08 56.3–.26 8.16N–.06 39.44W–.05 14 4.5b,3.8s
NEIC X 29 20 08 57.3–.25 8.13N 39.44W 10 4.6b,3.8s
GCMT X 29 20 09 02.3–.40 8.18N–.02 39.56W–.02 12 4.8W,3.8s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s66,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.78±.10 $M_{\theta\theta}$-1.19±.09; $M_{\phi\phi}$0.41±.08; $M_{r\theta}$-1.16±.24; $M_{\theta\phi}$-1.43±.06; $M_{\theta r}$-0.20±.25; Best double couple: NP1:ϕ_s274.00000°,δ78.00000°,λ136.00000°. NP2:ϕ_s16.00000°,δ47.00000°,λ17.00000°. Principal axes: T 1.6000,Plg39.0000° ,Azm225.0000°; N 0.8100,Plg44.0000°,Azm82.0000°; P -2.4140,Plg19.0000°,Azm332.0000° M_o2.00700×10^{16}

ISC X 31 15 13 12.5–.54 4.4N–.10 32.5W–.10 11 4.4b,3.7s 40 11-160
ISCJB X 31 15 13 10.8–.41 4.35N–.09 32.49W–.07 11 4.2b,3.7s **¶602000638**
IDC X 31 15 13 10.9–.63 4.44N 32.60W 0 4.2,4.0
NEIC X 31 15 13 12.1–.25 4.35N 32.52W 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=9.1km az=155.5.
IDC Error ellipse: s-maj=24.0km s-min=16.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=153.0.

ISC XI 03 12 58 12.4–.59 7.13N–.04 34.05W–.05 10–3 5.4b,5.2s 1320 13-167
IDC XI 03 12 58 09.9–.34 7.16N 34.01W 0 5.1,5.1s **¶601869850**
MOS XI 03 12 58 10.7–1.3 7.19N 34.03W 10 5.4b,5.2s
ISCJB XI 03 12 58 10.8–.13 7.11N–.03 34.03W–.01 14 5.3b,5.2s
NEIC XI 03 12 58 12.2–.14 7.05N 34.07W 10 5.6W,5.6W
NEIC XI 03 12 58 12.0–.00 7.17N 34.08W 15 5.6W,5.6W
GCMT XI 03 12 58 14.2–.10 7.27N–.01 34.02W–.01 15 5.7W,5.6W
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.35 $M_{r\theta}$-0.66 $M_{\theta\phi}$-2.80 $M_{\theta r}$-0.50 Best double couple: NP1:ϕ_s4.00000° ,δ80.00000°,λ-9.00000°. NP2:ϕ_s96.00000°,δ81.00000°,λ-170.00000°. Principal axes: T 2.7100,Plg1.0000°,Azm230.0000°; N 0.4500,Plg76.0000°,Azm135.0000° ; P -3.1600,Plg14.0000°,Azm320.0000° M_o3.00000×10^{17}
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22 $M_{\theta\theta}$0.95 $M_{\phi\phi}$-0.73 $M_{r\theta}$-0.09 $M_{\theta\phi}$-3.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s262.00000° ,δ90.00000°,λ178.00000°. NP2:ϕ_s352.00000°,δ88.00000°,λ0.00000°. Principal axes: T 3.2300,Plg1.0000°,Azm217.0000°; N -0.2200,Plg88.0000°,Azm79.0000° ; P -3.0100,Plg1.0000°,Azm307.0000° M_o3.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c214; s135,c397; Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.03 $M_{\theta\theta}$0.12±.04; $M_{\phi\phi}$0.11±.04; $M_{r\theta}$0.67±.10; $M_{\theta\phi}$-4.00±.03; $M_{\theta r}$0.01±.11; Best double couple: NP1:ϕ_s270.00000°,δ89.00000° ,λ-170.00000°. NP2:ϕ_s180.00000°,δ80.00000°,λ-1.00000°. Principal axes: T 4.1660,Plg6.0000°,Azm45.0000°; N -0.2220,Plg80.0000°,Azm276.0000° ; P -3.9450,Plg7.0000°,Azm135.0000° M_o4.05600×10^{17}

ISC XI 04 20 02 45.2–.58 7.3N–.10 35.8W–.10 15 4.1b,4.0s 20 13-94
IDC XI 04 20 02 42.8–.58 7.30N 35.84W 0 4.9L,4.2 **¶602031619**
ISCJB XI 04 20 02 43.4–.46 7.27N–.09 35.81W–.09 15 4.0s,3.9b
GCMT XI 04 20 02 49.0–.20 7.41N–.01 35.77W–.01 17–1 5.0W,3.9b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s52,c69; s102,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.70±.12 $M_{\theta\theta}$0.07±.12; $M_{\phi\phi}$0.63±.12; $M_{r\theta}$0.37±.27; $M_{\theta\phi}$-4.48±.11; $M_{\theta r}$0.24±.27; Best double couple: NP1: ϕ_s272.00000°,δ86.00000°,λ-174.00000°. NP2:ϕ_s182.00000°,δ84.00000°,λ-4.00000°. Principal axes: T 4.8430,Plg1.0000°,Azm47.0000°; N -0.6530,Plg83.0000°,Azm310.0000° ; P -4.1890,Plg7.0000°,Azm137.0000° M_o4.51600×10^{16}

ISC XI 07 00 37 10.5–1.3 0.1S–.10 18.2W–.20 23 3.5s 15 9-147
IDC XI 07 00 37 06.3–1.4 0.01S 18.16W 0 4.8L,4.3 **¶602388934**
ISCJB XI 07 00 37 09.0–1.2 0.13S–.07 18.0W–.10 23 3.7b,3.6s
ISC Event type ke.
ISCJB Event type ke.

ISC XI 11 08 02 28.1–.43 3.30N–.09 31.41W–.08 10 4.5b,3.9s 73 10-158
ISCJB XI 11 08 02 26.3–.35 3.27N–.07 31.39W–.06 10 4.4b,4.0s **¶601883938**
NEIC XI 11 08 02 27.9–.28 3.26N 31.43W 10 4.7b,4.0s
IDC XI 11 08 02 27.2–.58 3.33N 31.35W 0 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=159.2.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.9km az=166.0.
IDC Error ellipse: s-maj=20.8km s-min=14.5km az=152.0.

ISC XII 03 11 03 19.1–.44 0.7N–.10 25.48W–.09 12 4.5b,3.8s 61 12-152
ISCJB XII 03 11 03 17.7–.33 0.64N–.09 25.40W–.05 12 4.3b,3.8s **¶602064784**
IDC XII 03 11 03 17.2–.50 0.68N 25.50W 0 4.7L,4.2
NEIC XII 03 11 03 18.9–.23 0.64N 25.46W 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.2km az=164.9.
IDC Error ellipse: s-maj=18.3km s-min=13.6km az=150.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.9km az=158.0.

IDC XII 26 16 01 18.4–.91 4.64N 32.63W 0 3.9,3.7b
¶602380649
IDC Error ellipse: s-maj=29.4km s-min=22.1km az=4.0.

(407) North of Ascension Island.

IDC VII 19 06 39 12.8–2.4 0.20S 16.24W 0 3.8,3.6
¶601664822
IDC Error ellipse: s-maj=99.0km s-min=36.9km az=152.0.

IDC VIII 19 08 40 23.8–5.4 4.97S 12.22W 0 4.0,3.9
¶601766142
IDC Error ellipse: s-maj=181.7km s-min=73.7km az=140.0.

ISC IX 09 09 32 17.6–1.1 1.5S–.20 12.5W–.30 10 3.9b,3.8s 13 7-69
IDC IX 09 09 32 12.7–3.0 1.73S 13.11W 0 4.2L,4.0 **¶601863228**
ISC Event type ke.
IDC Error ellipse: s-maj=140.4km s-min=26.2km az=142.0.

ISC XI 17 01 40 04.5–2.3 1.4S–.20 15.7W–.40 12 3.5s 9 6-144
IDC XI 17 01 40 00.1–4.2 1.28S 16.12W 0 4.3L,3.9 **¶602389535**
ISC Event type ke.
IDC Error ellipse: s-maj=99.0km s-min=39.5km az=109.0.

ISC XI 20 06 04 16.6–3.2 0.9N–.80 16.7W–.50 10 7 9-146
IDC XI 20 06 04 11.9–6.3 1.73N 17.43W 0 4.2L,4.0 **¶602389724**
ISC Event type ke.
IDC Error ellipse: s-maj=296.8km s-min=52.3km az=138.0.

ISC XI 21 12 18 40.5–.67 0.4S–.10 13.2W–.10 10 4.7b,3.8s 33 8-142
ISCJB XI 21 12 18 39.4–.61 0.3S–.10 13.12W–.09 10 4.6b,3.8s **¶602082080**
IDC XI 21 12 18 39.6–2.5 0.34S 13.22W 0 4.3,4.3L
GCMT XI 21 12 18 39.3–.20 0.79S–.02 13.49W–.01 22–1 4.9W,4.3L
NEIC XI 21 12 18 40.3–.52 0.44S 13.19W 10 4.8b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=9.9km az=146.0.
IDC Error ellipse: s-maj=59.7km s-min=30.4km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c42; s91,c120;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.15 $M_{\theta\theta}$1.65±.15; $M_{\phi\phi}$-1.29±.14; $M_{r\theta}$0.03±.18; $M_{\theta\phi}$-2.76±.10; $M_{\theta r}$-0.27±.18; Best double couple: NP1:ϕ_s346.00000°,δ88.00000°,λ-5.00000°.

NP2:ϕ_s76.00000°,δ85.00000°,λ-178.00000°. Principal axes: T 3.3140,Plg3.0000°,Azm31.0000°; N -0.3460,Plg85.0000°,Azm149.0000°; P -2.9650,Plg5.0000°,Azm301.0000° $M_0$3.14000×10^{16}

NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.1km az=142.0.

ISC XI 26 08 24 21.1–.48 1.48S–.07 15.34W–.09 12 4.5b,3.8s 61 6-143

ISCJB XI 26 08 24 19.3–.30 1.42S–.04 15.37W–.06 12 4.4b,3.7s **¶601994521**

IDC XI 26 08 24 19.4–.75 1.42S 15.38W 0 4.3,4.3L

NEIC XI 26 08 24 21.0–.27 1.42S 15.40W 10 4.6b,4.3L

GCMT XI 26 08 24 24.0–.30 1.22S–.02 15.28W–.02 22–1 4.9W,4.3L

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c25; s78,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.14 $M_{\theta\theta}$1.19±.12; $M_{\phi\phi}$-1.10±.12; $M_{r\theta}$0.01±.18; $M_{\theta\phi}$-2.33±.09; $M_{\theta r}$0.38±.18; Best double couple: NP1:ϕ_s167.00000°,δ87.00000°,λ-8.00000°. NP2:ϕ_s257.00000°,δ82.00000°,λ-177.00000°. Principal axes: T 2.6550,Plg4.0000°,Azm212.0000°; N -0.0620,Plg81.0000°,Azm330.0000°; P -2.5950,Plg8.0000°,Azm122.0000° $M_0$2.62500×10^{16}

ISC XII 05 00 06 01.4–3.2 1.0S–.20 15.3W–.50 10 14 7-144

IDC XII 05 00 05 58.5–5.0 1.00S 15.68W 0 4.0,4.0 **¶602390474**

ISC Event type ke.

IDC Error ellipse: s-maj=114.5km s-min=39.8km az=108.0.

ISC XII 06 16 39 18.2–.47 0.12N–.09 16.73W–.09 13 4.5b,3.7s 67 8-146

ISCJB XII 06 16 39 16.6–.33 0.11N–.07 16.70W–.06 13 4.5b,3.8s **¶602005567**

IDC XII 06 16 39 16.1–.57 0.07N 16.81W 0 4.9L,4.4

NEIC XII 06 16 39 17.6–.30 0.08N 16.77W 10 4.8b,4.4

GCMT XII 06 16 39 17.6–.50 0.18N–.04 16.70W–.03 22–1 4.9W,4.4

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c35; s64,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.00±.25 $M_{\theta\theta}$0.63±.14; $M_{\phi\phi}$2.37±.16; $M_{r\theta}$0.21±.23; $M_{\theta\phi}$-0.74±.08; $M_{\theta r}$-0.44±.22; Best double couple: NP1:ϕ_s339.00000°,δ50.00000°,λ-91.00000°. NP2:ϕ_s160.00000°,δ40.00000°,λ-89.00000°. Principal axes: T 2.6880,Plg5.0000°,Azm70.0000°; N 0.3590,Plg1.0000°,Azm340.0000°; P -3.0430,Plg85.0000°,Azm241.0000° $M_0$2.86500×10^{16}

ISC XII 27 10 01 35.7–1.2 0.4S–.20 16.0W–.20 10 4.1b 8 8-145

IDC XII 27 10 01 34.0–1.4 0.38S 16.03W 0 4.2,4.0 **¶602380708**

ISCJB XII 27 10 01 34.4–1.2 0.3S–.20 16.0W–.20 10 4.0b,3.3s

ISC Event type ke.

ISCJB Event type ke.

(408) Ascension Island region.

IDC VIII 12 04 17 57.9–2.3 11.17S 12.56W 0 3.9,3.8b ¶601765769

IDC Error ellipse: s-maj=192.0km s-min=24.6km az=101.0.

IDC VIII 18 19 21 26.9–4.6 7.13S 9.89W 0 3.8,3.7 ¶601766097

IDC Error ellipse: s-maj=193.6km s-min=85.3km az=114.0.

IDC VIII 24 02 25 20.2–8.1 10.09S 13.49W 0 4.0,3.8 ¶601766379

IDC Error ellipse: s-maj=370.1km s-min=160.7km az=131.0.

IDC VIII 24 02 29 58.4–2.7 11.00S 12.94W 0 4.0,3.9 ¶601766380

IDC Error ellipse: s-maj=188.1km s-min=28.8km az=103.0.

ISC VIII 24 02 34 25.2–.94 10.9S–.20 12.9W–.20 10 4.1s,4.0b 10 3-99

ISCJB VIII 24 02 34 23.1–.78 10.9S–.10 12.9W–.20 10 4.1s,3.9b **¶601683834**

IDC VIII 24 02 34 23.3–1.6 10.86S 12.95W 0 4.1s,4.1

NEIC VIII 24 02 34 25.1–.87 10.92S 12.91W 10 4.2b,4.1

GCMT VIII 24 02 34 27.1–.30 10.91S–.03 13.07W–.02 14–1 4.9W,4.1

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c22; s78,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.69±.22 $M_{\theta\theta}$-0.01±.13; $M_{\phi\phi}$2.70±.14; $M_{r\theta}$1.57±.41; $M_{\theta\phi}$-0.88±.08; $M_{\theta r}$0.19±.25; Best double couple: NP1:ϕ_s319.00000°,δ53.00000°,λ-123.00000°. NP2:ϕ_s187.00000°,δ48.00000°,λ-54.00000°. Principal axes: T 2.9770,Plg3.0000°,Azm72.0000°; N 0.4870,Plg26.0000°,Azm340.0000°; P -3.4630,Plg64.0000°,Azm168.0000° $M_0$3.22000×10^{16}

ISC IX 08 05 09 52.5–.47 7.22S–.09 13.17W–.09 13 4.3b,3.9s 44 1-146

ISCJB IX 08 05 09 50.4–.33 7.19S–.07 13.18W–.07 13 4.2b,3.8s **¶601695806**

IDC IX 08 05 09 50.7–.58 7.21S 13.06W 0 4.3,4.3b

NEIC IX 08 05 09 52.2–.41 7.20S 13.05W 10 4.6b,4.3b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=5.3km az=41.1.

IDC Error ellipse: s-maj=20.4km s-min=14.5km az=130.0.

NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.1km az=133.0.

IDC IX 08 22 27 31.0–10 5.38S 10.93W 0 3.6,3.4 ¶601863193

IDC Error ellipse: s-maj=415.5km s-min=111.5km az=141.0.

ISC IX 24 01 51 51.0–.94 5.7S–.10 11.2W–.20 10 4.2b,3.8s 18 4-73

ISCJB IX 24 01 51 49.0–.73 5.7S–.10 11.2W–.20 10 4.1b,3.8s **¶601864066**

IDC IX 24 01 51 49.3–.99 5.70S 11.21W 0 4.2,4.1

GCMT IX 24 01 51 54.0–.40 5.56S–.05 11.53W–.03 17–1 4.8W,4.1

ISC Event type ke.

ISCJB Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s36,c43; s74,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.78±.17 $M_{\theta\theta}$0.25±.10; $M_{\phi\phi}$1.53±.11; $M_{r\theta}$0.55±.30; $M_{\theta\phi}$-0.24±.06; $M_{\theta r}$0.52±.22; Best double couple: NP1:ϕ_s186.00000°,δ54.00000°,λ-71.00000°. NP2:ϕ_s336.00000°,δ40.00000°,λ-114.00000°. Principal axes: T 1.6290,Plg7.0000°,Azm263.0000°; N 0.3830,Plg15.0000°,Azm355.0000°; P -2.0100,Plg73.0000°,Azm148.0000° $M_0$1.81900×10^{16}

IDC IX 24 01 59 20.5–2.3 5.61S 11.51W 0 3.9,3.8 ¶601864069

IDC Error ellipse: s-maj=149.9km s-min=26.9km az=106.0.

ISC IX 24 02 01 37.4–.43 5.68S–.07 11.28W–.09 13 4.6b,4.0s 139 4-145

BJI IX 24 02 01 35.7 6.20S 11.11W 9 5.2b,5.0 **¶601738428**

ISCJB IX 24 02 01 35.8–.31 5.58S–.06 11.34W–.07 13 4.6b,4.0s

MOS IX 24 02 01 35.6–.92 5.55S 11.49W 14 4.8b,4.0s

IDC IX 24 02 01 35.7–.60 5.63S 11.25W 0 4.4,4.3

NEIC IX 24 02 01 36.9–.34 5.67S 11.38W 10 4.8b,4.3

GCMT IX 24 02 01 39.9–.30 5.66S–.03 11.49W–.02 13–1 4.9W,4.3

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c27; s82,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.18 $M_{\theta\theta}$0.16±.10; $M_{\phi\phi}$2.29±.12; $M_{r\theta}$0.26±.34; $M_{\theta\phi}$-0.47±.07; $M_{\theta r}$-0.85±.27; Best double couple: NP1:ϕ_s346.00000°,δ55.00000°,λ-92.00000°. NP2:ϕ_s170.00000°,δ35.00000°,λ-87.00000°. Principal axes: T 2.5450,Plg10.0000°,Azm78.0000°; N 0.0600,Plg2.0000°,Azm347.0000°; P -2.6090,Plg80.0000°,Azm248.0000° $M_0$2.57700×10^{16}

IDC IX 27 10 10 47.1–8.5 5.69S 11.66W 0 4.0,3.8b ¶601864271

IDC Error ellipse: s-maj=407.1km s-min=25.6km az=141.0.

ISC IX 27 10 21 19.7–.60 5.7S–.10 11.4W–.10 13 4.3b,3.8s 37 4-100

IDC IX 27 10 21 17.7–.80 5.67S 11.33W 0 4.2,4.1 **¶601864272**

ISCJB IX 27 10 21 18.2–.46 5.59S–.09 11.4W–.10 13 4.3b,3.8s

NEIC IX 27 10 21 19.2–.32 5.64S 11.39W 10 4.8b,3.8s

GCMT IX 27 10 21 21.2–.40 5.79S–.04 11.38W–.03 24–1 4.9W,3.8s

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c26; s66,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.65±.30 $M_{\theta\theta}$-0.13±.17; $M_{\phi\phi}$2.78±.18; $M_{r\theta}$-0.43±.29; $M_{\theta\phi}$-0.70±.10; $M_{\theta r}$-0.73±.19; Best double couple: NP1:ϕ_s359.00000°,δ53.00000°,λ-74.00000°. NP2:ϕ_s154.00000°,δ40.00000°,λ-110.00000°. Principal axes: T 3.0100,Plg6.0000°,Azm78.0000°; N -0.1640,Plg13.0000°,Azm170.0000°; P -2.8480,Plg76.0000°,Azm322.0000° $M_0$2.92900×10^{16}

ISC IX 28 05 57 15.6–.74 7.05S–.10 12.9W–.10 13 4.0b,3.4s 23 2-138

IDC IX 28 05 57 13.8–1.0 7.09S 12.81W 0 4.1,4.1 **¶601864334**

ISCJB IX 28 05 57 14.2–.44 7.12S–.08 12.80W–.07 13 4.0b,3.5s

NEIC IX 28 05 57 15.3–.71 7.19S 12.93W 10 4.0b,3.5s

ISC Event type se.

IDC Error ellipse: s-maj=37.3km s-min=19.5km az=137.0.

ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=5.8km az=137.0.

NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.8km az=116.0.

IDC X 08 23 30 01.2–5.2 11.37S 12.52W 0 4.0b,4.0 ¶601997581

IDC Error ellipse: s-maj=450.1km s-min=106.1km az=116.0.

IDC XI 20 02 16 19.2–6.5 5.11S 11.30W 0 3.9,3.8b ¶602389713

IDC Error ellipse: s-maj=200.6km s-min=106.7km az=143.0.

IDC XI 24 21 44 37.8–11 6.42S 10.85W 0 3.6,3.5b ¶602389944

IDC Error ellipse: s-maj=459.9km s-min=124.6km az=140.0.

ISC XII 04 13 18 45.3–.80 5.5S–.20 11.7W–.20 13 4.3b,3.4s 19 4-118

ISCJB XII 04 13 18 43.6–.49 5.5S–.10 11.7W–.10 13 4.3b,3.4s **¶602035751**

IDC XII 04 13 18 43.6–1.4 5.52S 11.68W 0 4.2,4.2b

NEIC XII 04 13 18 44.9–.63 5.55S 11.64W 10 4.8b,4.2b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=7.2km az=43.0.

IDC Error ellipse: s-maj=34.3km s-min=24.8km az=98.0.

NEIC Event type se. Error ellipse: s-maj=21.7km s-min=11.2km az=125.0.

ISC XII 26 20 24 27.6–.30 10.33S–.05 13.13W–.06 14 5.1b,4.9s 436 2-152

IDC XII 26 20 24 25.3–.41 10.43S 13.14W 0 4.7,4.6 **¶602059073**

MOS XII 26 20 24 25.1–.91 10.39S 13.15W 10 5.4b,4.8s

BJI XII 26 20 24 25.3 10.40S 13.20W 9 5.4b,5.2b

NEIC XII 26 20 24 26.6–.20 10.41S 13.13W 10 5.3b,4.9s

ISCJB XII 26 20 24 26.0–.20 10.44S–.04 13.04W–.03 14 5.0b,4.8s

GCMT XII 26 20 24 28.6–.10 10.45S–.01 13.09W–.01 12 5.2W,4.8s

ISC Event type fe.

NEIC Event type fe. Felt at Georgetown.

ISCJB Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c95; s120,c203;Duration: 1$9$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$0.73±.01; $M_{r\theta}$0.19±.04; $M_{\theta\phi}$-0.20±.01; $M_{\theta r}$-0.16±.03; Best double couple: NP1:ϕ_s335.00000°,δ53.00000°,λ-101.00000°. NP2:ϕ_s174.00000°,δ39.00000°,λ-75.00000°. Principal axes: T 0.8150,Plg7.0000°,Azm73.0000°; N 0.0300,Plg9.0000°,Azm342.0000°; P -0.8450,Plg78.0000°,Azm201.0000° $M_0$0.83000×10^{17}

ISC XII 26 22 47 14.9–2.6 10.1S–.30 13.2W–.20 10 3.8s 9 2-71

IDC XII 26 22 47 12.6–3.7 10.18S 13.21W 0 3.9,3.9 **¶602380668**

GCMT XII 26 22 47 15.0–.60 10.28S–.06 13.22W–.03 29–1 4.9W,3.9

ISC Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s67,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61±.29 $M_{\theta\theta}$-0.05±.22; $M_{\phi\phi}$2.67±.19; $M_{r\theta}$0.86±.29; $M_{\theta\phi}$-0.46±.12; $M_{\theta r}$0.87±.23; Best double couple: NP1:ϕ_s189.00000°,δ56.00000°,λ-68.00000°. NP2:ϕ_s333.00000°,δ40.00000°,λ-119.00000°. Principal axes: T 2.8470,Plg8.0000°,Azm263.0000°; N 0.2010,Plg18.0000°,Azm356.0000°; P -3.0390,Plg70.0000°,Azm151.0000° $M_0$2.94300×10^{16}

ISC XII 26 23 43 06.3–1.3 10.2S–.10 13.6W–.20 10 4.1b 13 2-80

IDC XII 26 23 43 04.1–2.2 10.15S 13.76W 0 4.1,3.9 **¶602380670**

ISC Event type ke.

IDC Error ellipse: s-maj=179.9km s-min=28.3km az=108.0.

(410) Southern Mid-Atlantic Ridge.

ISC VII 14 01 25 19.7–.76 43.7S–.20 16.2W–.10 10 4.3b,4.0s 11 35-146

ISCJB VII 14 01 25 18.0–.65 43.7S–.10 16.2W–.20 10 4.3b,4.0s **¶601468482**

IDC VII 14 01 25 18.2–.81 43.68S 16.15W 0 4.3,4.3b

NEIC VII 14 01 25 19.7–.45 43.70S 16.15W 10 4.2b,4.3b

GCMT VII 14 01 25 19.7–.40 44.11S 16.15W 20–1 4.9W,4.3b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=16.6km az=28.0.

IDC Error ellipse: s-maj=23.8km s-min=22.4km az=77.0.

NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.2km az=27.0.

GCMT Error ellipse: s-maj=4.4km s-min=6.7km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c18; s72,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.69±.23 $M_{\theta\theta}$0.80±.16; $M_{\phi\phi}$1.89±.15; $M_{r\theta}$0.69±.45; $M_{\theta\phi}$-0.48±.10; $M_{\theta r}$0.96±.27; Best double couple: NP1:ϕ_s177.00000°,δ55.00000°,λ-73.00000°. NP2:ϕ_s329.00000°,δ38.00000°,λ-113.00000°. Principal axes: T 2.1720,Plg9.0000°,Azm255.0000°; N 0.8660,Plg14.0000°,Azm347.0000°; P -3.0370,Plg73.0000°,Azm134.0000° $M_0$2.60400×10^{16}

ISC VII 25 10 09 53.2–.59 45.6S–.10 14.5W–.10 10 4.3b,3.8s 23 25-151

ISCJB VII 25 10 09 51.4–.53 45.63S–.09 14.5W–.10 10 4.3b,3.8s **¶601666416**

IDC VII 25 10 09 51.9–.62 45.59S 14.54W 0 4.4,4.3b

NEIC VII 25 10 09 53.1–.48 45.58S 14.49W 10 4.6b,4.3b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=11.9km az=23.3.

IDC Error ellipse: s-maj=19.0km s-min=17.8km az=121.0.

NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.3km az=149.0.

ISC VIII 02 03 20 56.0–.49 38.53S–.10 16.3W–.10 10 4.4b,3.8s 37 29-141

ISCJB VIII 02 03 20 54.5–.37 38.55S–.07 16.2W–.10 10 4.6b,3.8s **¶601706358**

IDC VIII 02 03 20 54.6–.60 38.53S 16.25W 0 4.2,4.1b

NEIC VIII 02 03 20 56.9–2.2 38.52S 16.28W 14–13 4.6b,4.1b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=10.0km az=12.4.

IDC Error ellipse: s-maj=19.7km s-min=15.2km az=104.0.

NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.7km az=123.0.

ISC VIII 03 13 01 08.3–.35 25.83S–.07 13.91W–.07 10 4.7b,4.6s 147 11-152

IDC VIII 03 13 01 06.8–.42 25.79S 13.89W 0 4.5,4.5b **¶601518022**

ISCJB VIII 03 13 01 07.1–.27 25.76S–.06 14.01W–.06 10 4.5b,4.5s

MOS VIII 03 13 01 07.2–1.6 25.90S 13.96W 10 4.9b,4.3s

NEIC VIII 03 13 01 08.2–.34 25.81S 13.83W 10 5.1b,4.3s

GCMT VIII 03 13 01 11.2–.20 25.81S–.01 13.77W–.01 12 5.1W,4.3s

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c74; s110,c173;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.77±.14 $M_{\theta\theta}$-1.73±.14; $M_{\phi\phi}$3.50±.12; $M_{r\theta}$0.21±.37; $M_{\theta\phi}$5.31±.10; $M_{\theta r}$-1.16±.35; Best double couple: NP1:ϕ_s348.00000°,δ85.00000°,λ-166.00000°. NP2:ϕ_s257.00000°,δ77.00000°,λ-5.00000°. Principal axes: T 6.8920,Plg6.0000°,Azm122.0000°; N -1.6710,Plg76.0000°,Azm8.0000°; P -5.2210,Plg13.0000°,Azm213.0000° $M_0$6.05600×10^{16}

ISC VIII 07 23 10 18.1–.76 50.2S–.10 6.9W–.20 10 4.2b,3.7s 12 33-155

ISCJB VIII 07 23 10 16.2–.71 50.2S–.10 6.9W–.20 10 4.1b,3.7s **¶601562026**

IDC VIII 07 23 10 16.7–.87 50.19S 6.86W 0 4.1,4.1b

NEIC VIII 07 23 10 18.0–.47 50.20S 6.91W 10 4.2b,4.1b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=17.0km az=15.1.

IDC Error ellipse: s-maj=33.6km s-min=22.0km az=93.0.

NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.7km az=106.0.

ISC VIII 09 07 09 47.0–.26 33.06S–.06 15.95W–.06 10 5.2b,4.1s 410 5-159

MOS VIII 09 07 09 45.5–.86 33.09S 15.93W 10 5.3b,4.1s **¶601532944**

ISCJB VIII 09 07 09 45.3–.17 33.15S–.04 15.89W–.04 10 5.1b,4.1s

IDC VIII 09 07 09 45.1–.37 33.08S 15.87W 0 4.9,4.8

NEIC VIII 09 07 09 46.7–.14 33.15S 15.88W 10 5.2b,4.8

BJI VIII 09 07 09 47.3 33.10S 15.90W 10 5.5b,5.4s

GCMT VIII 09 07 09 51.7–.30 32.92S–.03 15.52W–.04 22–0 5.1W,5.4s

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s84,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.14±.29 $M_{\theta\theta}$-4.28±.22; $M_{\phi\phi}$-0.85±.16; $M_{r\theta}$-1.73±.35; $M_{\theta\phi}$-1.03±.13; $M_{\theta r}$0.88±.26; Best double couple: NP1:ϕ_s267.00000°,δ55.00000°,λ104.00000°. NP2:ϕ_s64.00000°,δ38.00000°,λ71.00000°. Principal axes: T 5.6190,Plg76.0000°

,Azm221.0000°; N -0.8360,Plg11.0000°,Azm79.0000°; P -4.7810,Plg9.0000°,Azm347.0000° $M_0$5.20000×10^{16}

ISC VIII 19 22 09 03.2–.48 28.92S–.10 13.02W–.09 11 4.4s,4.3b 47 20-146
ISCJB VIII 19 22 09 01.4–.40 28.89S–.07 13.02W–.09 11 4.3s,4.3b **¶601736123**
IDC VIII 19 22 09 01.2–.59 28.88S 13.00W 0 4.4s,4.3
NEIC VIII 19 22 09 02.8–.37 28.84S 13.02W 10 4.7b,4.3
GCMT VIII 19 22 09 05.8–.30 28.97S–.02 12.76W–.02 14–1 5.0W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c40; s69,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.81±.19 $M_{\theta\theta}$-2.27±.20; $M_{\phi\phi}$3.08±.21; $M_{r\theta}$0.31±.37; $M_{\theta\phi}$3.68±.15; $M_{\theta r}$-1.17±.39; Best double couple: NP1:ϕ_s343.00000°,δ87.00000°,λ-164.00000°. NP2:ϕ_s252.00000°,δ74.00000°,λ-3.00000°. Principal axes: T 5.0940,Plg9.0000° ,Azm116.0000°; N -0.7580,Plg74.0000°,Azm354.0000°; P -4.3350,Plg13.0000° ,Azm208.0000° $M_0$4.71400×10^{16}

ISC VIII 19 23 23 46.1–.64 28.6S–.10 13.4W–.10 10 4.2b 16 20-123
ISCJB VIII 19 23 23 44.2–.56 28.6S–.10 13.4W–.10 10 4.7s,4.2b **¶601667493**
IDC VIII 19 23 23 44.4–1.3 28.40S 13.27W 0 4.7,4.6s
NEIC VIII 19 23 23 46.1–.57 28.63S 13.37W 10 4.2b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=12.9km az=176.3.
IDC Error ellipse: s-maj=36.0km s-min=33.1km az=75.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=13.8km az=173.0.

ISC VIII 20 01 49 03.1–.56 29.0S–.10 13.0W–.10 11 4.2b,3.9s 23 20-146
ISCJB VIII 20 01 49 01.4–.45 29.04S–.09 13.02W–.10 11 4.2b,3.9s **¶601734394**
IDC VIII 20 01 49 01.2–.64 28.95S 13.02W 0 4.3,4.2b
NEIC VIII 20 01 49 02.7–.37 28.97S 13.02W 10 4.3b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=11.1km az=146.6.
IDC Error ellipse: s-maj=19.1km s-min=16.6km az=125.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.1km az=153.0.

IDC VIII 26 22 34 01.4–1.3 23.59S 13.03W 0 3.9,3.9b
¶601766514
IDC Error ellipse: s-maj=38.9km s-min=31.6km az=113.0.

ISC VIII 30 23 52 16.2–.62 12.33S–.09 14.73W–.10 18 3.9b,3.3s 26 3-92
IDC VIII 30 23 52 13.3–1.2 12.35S 14.77W 0 4.0,3.9b **¶601734403**
ISCJB VIII 30 23 52 14.4–.53 12.27S–.06 14.73W–.09 18 3.9b,3.4s
NEIC VIII 30 23 52 15.0–.36 12.40S 14.73W 10 4.0b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=25.1km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.1km az=169.7.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.1km az=189.0.

ISC IX 06 20 16 29.5–.58 34.0S–.10 14.6W–.10 10 4.2s,4.2b 21 4-149
ISCJB IX 06 20 16 27.6–.49 34.03S–.09 14.6W–.10 10 4.3b,4.2s **¶601777921**
IDC IX 06 20 16 27.8–.67 34.05S 14.60W 0 4.2s,4.1
NEIC IX 06 20 16 29.6–.45 34.01S 14.56W 10 4.7b,4.1
GCMT IX 06 20 16 34.6–.20 34.22S–.02 14.34W–.01 18–1 5.0W,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c38; s101,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.97±.16 $M_{\theta\theta}$-1.64±.14; $M_{\phi\phi}$2.61±.16; $M_{r\theta}$-0.36±.30; $M_{\theta\phi}$3.75±.11; $M_{\theta r}$-1.30±.33; Best double couple: NP1:ϕ_s165.00000°,δ86.00000°,λ166.00000°. NP2:ϕ_s256.00000°,δ76.00000°,λ4.00000°. Principal axes: T 5.0780,Plg12.0000° ,Azm120.0000°; N -1.2130,Plg76.0000°,Azm331.0000°; P -3.8680,Plg7.0000° ,Azm211.0000° $M_0$4.47300×10^{16}

ISC IX 07 05 10 07.2–.61 25.8S–.10 13.8W–.10 10 4.2b 27 17-146
ISCJB IX 07 05 10 05.4–.50 25.8S–.10 13.78W–.08 10 4.2b,3.9s **¶601734460**
IDC IX 07 05 10 05.3–.75 25.84S 13.80W 0 4.1,4.0s
NEIC IX 07 05 10 07.0–.45 25.83S 13.82W 10 4.5b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=10.9km az=174.8.
IDC Error ellipse: s-maj=27.8km s-min=18.3km az=175.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.0km az=177.0.

IDC IX 09 07 30 23.4–4.3 43.98S 13.39W 0 4.1,3.9
¶601863218
IDC Error ellipse: s-maj=127.8km s-min=52.9km az=163.0.

IDC IX 12 14 28 01.8–10 26.20S 12.83W 0 3.7,3.7
¶601863417
IDC Error ellipse: s-maj=586.6km s-min=84.4km az=92.0.

ISC IX 14 06 56 17.4–.32 39.56S–.07 16.06W–.07 11 5.0b,5.0s 180 30-160
ISCJB IX 14 06 56 15.5–.25 39.65S–.05 16.09W–.06 11 5.0s,5.0b **¶601714124**
IDC IX 14 06 56 15.3–.54 39.57S 15.89W 0 4.9s,4.9
MOS IX 14 06 56 15.4–.82 39.68S 16.13W 10 5.3b,4.9
NEIC IX 14 06 56 16.8–.24 39.64S 16.02W 10 5.1b,4.9
GCMT IX 14 06 56 19.8–.20 39.65S–.02 15.80W–.02 12 5.2W,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c53; s118,c182;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.85±.02 $M_{\theta\theta}$0.03±.02; $M_{\phi\phi}$0.82±.02; $M_{r\theta}$0.41±.09; $M_{\theta\phi}$-0.03±.02; $M_{\theta r}$-0.26±.07; Best double couple: NP1:ϕ_s337.00000°,δ58.00000° ,λ-113.00000°. NP2:ϕ_s195.00000°,δ39.00000°,λ-58.00000°. Principal axes: T 0.8730,Plg10.0000°,Azm83.0000°; N 0.1630,Plg19.0000°,Azm350.0000° ; P -1.0370,Plg68.0000°,Azm199.0000° $M_0$0.95500×10^{17}

ISC IX 14 07 07 47.3–.46 39.68S–.09 16.0W–.10 11 4.8s,4.6b 49 30-152
ISCJB IX 14 07 07 45.2–.36 39.70S–.06 16.0W–.10 11 4.7s,4.6b **¶601717666**
IDC IX 14 07 07 45.5–.66 39.69S 15.98W 0 4.8s,4.8
NEIC IX 14 07 07 47.4–.34 39.59S 16.06W 10 4.7b,4.8
GCMT IX 14 07 07 49.4–.30 39.56S–.03 16.04W–.02 13–1 5.3W,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c29; s89,c117;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.06 $M_{\theta\theta}$0.04±.03; $M_{\phi\phi}$0.59±.04; $M_{r\theta}$0.84±.15; $M_{\theta\phi}$0.00±.02; $M_{\theta r}$0.63±.11; Best double couple: NP1:ϕ_s223.00000°,δ77.00000°,λ-75.00000°. NP2:ϕ_s353.00000°,δ20.00000°,λ-138.00000°. Principal axes: T 1.0240,Plg30.0000° ,Azm300.0000°; N 0.3280,Plg15.0000°,Azm39.0000°; P -1.3530,Plg56.0000°,Azm152.0000° $M_0$1.18900×10^{17}

ISC IX 14 07 18 38.8–.30 39.66S–.07 16.06W–.07 11 5.2s,5.1b 181 20-166
ISCJB IX 14 07 18 37.0–.23 39.71S–.05 16.10W–.06 11 5.2s,5.1b **¶601714125**
IDC IX 14 07 18 36.8–.45 39.62S 15.92W 0 5.0s,5.0
NEIC IX 14 07 18 38.4–.18 39.68S 16.01W 10 5.2s,5.1b
BJI IX 14 07 18 39.4 39.70S 16.00W 10 5.6b,5.6s
GCMT IX 14 07 18 41.4–.10 39.82S–.01 15.77W–.01 12 5.5W,5.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c126; s136,c273;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.43±.03 $M_{\theta\theta}$0.01±.03; $M_{\phi\phi}$2.42±.03; $M_{r\theta}$-0.11±.13; $M_{\theta\phi}$-0.32±.03; $M_{\theta r}$-0.09±.10; Best double couple: NP1:ϕ_s355.00000°,δ46.00000°,λ-86.00000°. NP2:ϕ_s170.00000°,δ44.00000°,λ-94.00000°. Principal axes: T 2.4640,Plg1.0000° ,Azm83.0000°; N -0.0300,Plg3.0000°,Azm173.0000°; P -2.4370,Plg87.0000°,Azm334.0000° $M_0$2.45000×10^{17}

ISC IX 22 14 38 07.1–.44 32.44S–.08 14.19W–.10 10 4.7b,4.4s 57 5-151
ISCJB IX 22 14 38 05.5–.33 32.40S–.06 14.15W–.08 10 4.5b,4.4s **¶601736803**
IDC IX 22 14 38 05.4–.50 32.48S 14.21W 0 4.5,4.4
NEIC IX 22 14 38 07.0–.35 32.45S 14.14W 10 4.9b,4.4
BJI IX 22 14 38 07.0 32.30S 14.20W 10 5.5b,5.1s
GCMT IX 22 14 38 12.1–.20 32.38S–.01 13.95W–.01 18–1 5.1W,5.1s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c50; s100,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.17 $M_{\theta\theta}$-1.63±.13; $M_{\phi\phi}$3.63±.16; $M_{r\theta}$-0.31±.30; $M_{\theta\phi}$3.90±.10; $M_{\theta r}$-1.18±.33; Best double couple: NP1:ϕ_s344.00000°,δ89.00000°,λ-167.00000°. NP2:ϕ_s253.00000°,δ77.00000°,λ-1.00000°. Principal axes: T 5.8830,Plg9.0000° ,Azm118.0000°; N -2.1300,Plg77.0000°,Azm348.0000°; P -3.7530,Plg10.0000° ,Azm209.0000° $M_0$4.81800×10^{16}

ISC IX 25 19 07 01.6–.83 25.0S–.20 13.7W–.20 14 4.3s,4.0b 11 16-145
ISCJB IX 25 19 06 59.9–.82 24.9S–.10 13.8W–.20 14 4.3s,3.9b **¶601864166**
IDC IX 25 19 06 59.6–.80 24.95S 13.72W 0 4.3s,4.3
GCMT IX 25 19 07 02.0–.30 25.07S–.02 13.59W–.01 19–1 5.0W,4.3
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s85,c119;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.19 $M_{\theta\theta}$-1.72±.16; $M_{\phi\phi}$1.99±.15; $M_{r\theta}$-0.19±.32; $M_{\theta\phi}$3.39±.12; $M_{\theta r}$-0.80±.31; Best double couple: NP1:ϕ_s165.00000°,δ86.00000° ,λ170.00000°. NP2:ϕ_s256.00000°,δ80.00000°,λ4.00000°. Principal axes: T 4.1410,Plg10.0000°,Azm120.0000°; N -0.3900,Plg79.0000°,Azm323.0000° ; P -3.7470,Plg4.0000°,Azm211.0000° $M_0$3.94400×10^{16}

IDC IX 26 22 32 56.1–1.5 50.21S 5.94W 0 3.3,3.3
¶601864236
IDC Error ellipse: s-maj=222.4km s-min=38.3km az=91.0.

ISC IX 30 22 36 09.0–.48 24.9S–.10 13.43W–.09 14 4.4b,4.4s 37 16-130
IDC IX 30 22 36 06.8–.61 24.93S 13.38W 0 4.3s,4.3 **¶601857554**
ISCJB IX 30 22 36 07.1–.38 24.88S–.08 13.41W–.07 14 4.3b,4.3s
NEIC IX 30 22 36 08.2–.26 24.90S 13.42W 10 4.6b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=14.5km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.8km az=163.2.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=164.0.

ISC X 01 04 53 58.4–.52 24.9S–.10 13.38W–.09 14 4.1b,3.9s 25 16-145
ISCJB X 01 04 53 56.6–.42 24.87S–.09 13.36W–.07 14 4.1b,3.9s **¶601834603**
IDC X 01 04 53 56.3–.55 24.86S 13.37W 0 4.1b,4.1
NEIC X 01 04 53 57.8–.31 24.88S 13.37W 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.7km az=175.7.
IDC Error ellipse: s-maj=16.7km s-min=14.5km az=165.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.5km az=176.0.

IDC X 03 22 50 50.2–513 41.01S 20.86W 0
¶601996984
IDC Error ellipse: s-maj=248.5km s-min=137.6km az=37.0.

IDC X 05 01 36 48.1–1.2 44.51S 15.94W 0 4.2,3.9b
¶601997088
IDC Error ellipse: s-maj=41.6km s-min=30.6km az=91.0.

IDC X 09 15 57 13.2–1.2 44.53S 14.51W 0 3.9s,3.9
¶601997676
IDC Error ellipse: s-maj=119.5km s-min=33.2km az=97.0.

ISC X 11 00 00 24.4–.77 47.55S–.10 13.3W–.20 10 4.3b,4.0s 12 24-150
ISCJB X 11 00 00 22.9–.71 47.44S–.10 13.3W–.30 10 4.2b,3.9s **¶601997815**
IDC X 11 00 00 22.8–.76 47.46S 13.34W 0 4.3,4.3b
GCMT X 11 00 00 24.0–.30 47.40S–.04 13.28W–.04 20–1 4.9W,4.3b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s74,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.22 $M_{\theta\theta}$0.77±.14; $M_{\phi\phi}$1.95±.15; $M_{r\theta}$1.76±.32; $M_{\theta\phi}$-0.81±.07; $M_{\theta r}$-0.81±.25; Best double couple: NP1:ϕ_s313.00000°,δ63.00000° ,λ-106.00000°. NP2:ϕ_s165.00000°,δ31.00000°,λ-62.00000°. Principal axes: T 2.8250,Plg17.0000°,Azm55.0000°; N 0.6630,Plg14.0000°,Azm320.0000° ; P -3.4910,Plg68.0000°,Azm193.0000° $M_0$3.15800×10^{16}

IDC X 13 03 07 59.4–1.8 14.17S 14.04W 0 4.0,4.0b
¶601998078
IDC Error ellipse: s-maj=63.0km s-min=26.2km az=98.0.

IDC X 14 17 18 56.8–6.8 13.33S 13.26W 0 3.8,3.7b
¶601998242
IDC Error ellipse: s-maj=222.6km s-min=124.3km az=143.0.

ISC X 31 09 04 55.2–.38 15.27S–.07 13.17W–.06 10 4.8b,4.6s 96 6-155
ISCJB X 31 09 04 53.7–.29 15.23S–.06 13.22W–.05 10 4.6b,4.5s **¶601891375**
IDC X 31 09 04 53.7–.60 15.25S 13.20W 0 4.5s,4.5
NEIC X 31 09 04 54.9–.24 15.28S 13.17W 10 4.8b,4.5
GCMT X 31 09 04 55.9–.10 15.18S–.01 13.29W–.01 12 5.1W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c91; s117,c199;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.36±.10 $M_{\theta\theta}$0.89±.11; $M_{\phi\phi}$5.48±.09; $M_{r\theta}$1.62±.33; $M_{\theta\phi}$-1.74±.09; $M_{\theta r}$-0.76±.27; Best double couple: NP1:ϕ_s331.00000°,δ52.00000° ,λ-103.00000°. NP2:ϕ_s171.00000°,δ40.00000°,λ-74.00000°. Principal axes: T 6.1900,Plg6.0000°,Azm70.0000°; N 0.5340,Plg10.0000°,Azm339.0000° ; P -6.7180,Plg78.0000°,Azm189.0000° $M_0$6.45400×10^{16}

ISC XI 02 07 11 49.7–.60 40.5S–.10 16.3W–.10 10 4.2b,3.9s 23 30-144
ISCJB XI 02 07 11 47.7–.47 40.56S–.08 16.3W–.10 10 4.2b,3.9s **¶602031582**
IDC XI 02 07 11 47.9–.90 40.51S 16.34W 0 4.2,4.1b
NEIC XI 02 07 11 49.6–.52 40.51S 16.34W 10 4.2b,4.1b
GCMT XI 02 07 11 52.6–.30 40.69S–.05 16.70W–.03 12 4.7W,4.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c18; s77,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.07 $M_{\theta\theta}$0.34±.08; $M_{\phi\phi}$1.34±.05; $M_{r\theta}$-0.42±.38; $M_{\theta\phi}$-0.25±.06; $M_{\theta r}$0.04±.28; Best double couple: NP1:ϕ_s156.00000°,δ49.00000°,λ-105.00000°. NP2:ϕ_s357.00000°,δ43.00000°,λ-74.00000°. Principal axes: T 1.4050,Plg3.0000° ,Azm256.0000°; N 0.3610,Plg11.0000°,Azm165.0000°; P -1.7720,Plg79.0000° ,Azm359.0000° $M_0$1.58900×10^{16}

ISC XI 10 09 48 49.6–.67 33.3S–.10 14.4W–.10 10 4.6b,4.1s 23 4-99
ISCJB XI 10 09 48 47.7–.49 33.32S–.08 14.4W–.10 10 4.6b,4.1s **¶602054297**
IDC XI 10 09 48 48.0–.90 33.38S 14.32W 0 4.2,4.2
NEIC XI 10 09 48 49.5–.33 33.31S 14.40W 10 4.5b,4.2
GCMT XI 10 09 48 53.5–.30 33.48S–.04 14.28W–.02 18–1 5.0W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c30; s74,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.21 $M_{\theta\theta}$-0.20±.16; $M_{\phi\phi}$2.82±.14; $M_{r\theta}$2.91±.56; $M_{\theta\phi}$0.79±.09; $M_{\theta r}$0.66±.29; Best double couple: NP1:ϕ_s228.00000°,δ68.00000°,λ-60.00000°. NP2:ϕ_s351.00000°,δ37.00000°,λ-141.00000°. Principal axes: T 3.4390,Plg17.0000° ,Azm296.0000°; N 1.1240,Plg28.0000°,Azm36.0000°; P -4.5640,Plg56.0000°,Azm178.0000° $M_0$4.00100×10^{16}

IDC XI 20 04 51 14.1–4.5 12.06S 13.15W 0 4.1,4.0
GCMT XI 20 04 51 20.0–.40 11.07S–.05 13.00W–.03 18–1 4.8W,4.0 **¶602389719**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s60,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.16 $M_{\theta\theta}$0.27±.11; $M_{\phi\phi}$1.59±.11; $M_{r\theta}$1.18±.28; $M_{\theta\phi}$0.07±.07; $M_{\theta r}$0.35±.22; Best double couple: NP1:ϕ_s209.00000°,δ58.00000° ,λ-64.00000°. NP2:ϕ_s346.00000°,δ41.00000°,λ-125.00000°. Principal axes: T 1.6580,Plg9.0000°,Azm281.0000°; N 0.7510,Plg22.0000°,Azm14.0000° ; P -2.4050,Plg66.0000°,Azm170.0000° $M_0$2.03200×10^{16}

GCMT XI 22 02 39 15.0–.40 32.18S–.02 13.74W–.03 32–2 4.9W
¶606347890
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s29,c36; s72,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.27 $M_{\theta\theta}$-1.50±.21; $M_{\phi\phi}$1.73±.19; $M_{r\theta}$-0.23±.25; $M_{\theta\phi}$2.16±.11; $M_{\theta r}$0.86±.23; Best double couple: NP1:ϕ_s162.00000°,δ89.00000° ,λ-162.00000°. NP2:ϕ_s72.00000°,δ72.00000°,λ-1.00000°. Principal axes: T 2.9530,Plg12.0000°,Azm295.0000°; N -0.2280,Plg72.0000°,Azm166.0000° ; P -2.7280,Plg14.0000°,Azm28.0000° $M_0$2.84000×10^{16}

ISC XI 23 04 36 56.6–.50 45.6S–.10 14.5W–.10 10 4.3b,4.0s 33 26-148
ISCJB XI 23 04 36 54.8–.40 45.59S–.07 14.5W–.10 10 4.3b,4.0s **¶601993863**
IDC XI 23 04 36 55.1–.63 45.53S 14.49W 0 4.2,4.2b
GCMT XI 23 04 36 55.5–.40 45.80S–.04 14.33W–.05 13–1 4.9W,4.2b

NEIC XI 23 04 36 56.5–.30 45.53S 14.55W 10 4.4b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=10.1km az=1.6.
IDC Error ellipse: s-maj=19.0km s-min=16.9km az=63.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c19; s61,c82;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03±.22 $M_{\theta\theta}$0.95±.15; $M_{\phi\phi}$1.08±.13; $M_{r\theta}$0.88±.42; $M_{\theta\phi}$-0.63±.07; $M_{\phi r}$-1.42±.36; Best double couple: NP1:ϕ_s324.00000°,δ66.00000°,λ-86.00000°. NP2:ϕ_s135.00000°,δ24.00000°,λ-99.00000°. Principal axes: T 2.2840,Plg21.0000° ,Azm51.0000°; N 0.3980,Plg4.0000°,Azm143.0000°; P -2.6840,Plg69.0000°,Azm242.0000° M_o2.48400×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.4km az=139.0.
ISC XI 28 02 04 06.0–1.2 22.1S–.20 12.2W–.30 10 4.2b,3.5s 7 13-128
IDC XI 28 02 04 04.3–1.2 22.14S 12.22W 0 4.3,4.2b **¶602390087**
ISCJB XI 28 02 04 05.4–1.4 22.1S–.20 12.0W–.40 10 4.1b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 06 17 31 17.4–.67 54.08S–.10 2.0W–.20 10 4.3b,3.7s 23 17-159
ISCJB XII 06 17 31 15.8–.61 54.00S–.07 1.9W–.30 10 4.2b,3.8s **¶602005986**
IDC XII 06 17 31 15.8–1.1 54.04S 1.81W 0 4.3L,4.2
NEIC XII 06 17 31 17.3–.55 54.05S 2.50W 10 4.6b,4.2
GCMT XII 06 17 31 19.3–.40 54.27S–.02 1.50W–.04 20–1 4.9W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s82,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.14 $M_{\theta\theta}$2.65±.13; $M_{\phi\phi}$-2.33±.11; $M_{r\theta}$-0.12±.22; $M_{\theta\phi}$-0.54±.10; $M_{\phi r}$1.19±.25; Best double couple: NP1:ϕ_s139.00000°,δ77.00000°,λ-21.00000°. NP2:ϕ_s234.00000°,δ69.00000°,λ-166.00000°. Principal axes: T 2.7280,Plg5.0000° ,Azm187.0000°; N 0.1920,Plg65.0000°,Azm288.0000°; P -2.9160,Plg24.0000°,Azm95.0000° M_o2.82200×10^{16}
ISC XII 10 15 40 51.8–.59 48.9S–.10 8.5W–.10 10 4.1b,3.9s 24 23-153
ISCJB XII 10 15 40 50.0–.51 48.82S–.09 8.5W–.20 10 4.1b,4.0s **¶602046973**
IDC XII 10 15 40 50.2–.65 48.88S 8.44W 0 4.1,4.0s
NEIC XII 10 15 40 52.1–.40 48.83S 8.47W 10 4.7b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=11.6km az=26.2.
IDC Error ellipse: s-maj=20.2km s-min=16.6km az=107.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=108.0.
IDC XII 13 15 25 50.2–3.1 44.38S 15.66W 0 4.0,3.8b
¶602391271
IDC Error ellipse: s-maj=113.6km s-min=32.7km az=148.0.
ISC XII 16 13 06 49.2–.65 37.6S–.10 17.3W–.10 10 4.4b,3.7s 24 4-140
ISCJB XII 16 13 06 47.3–.54 37.6S–.10 17.3W–.10 10 4.4b,3.8s **¶602216195**
IDC XII 16 13 06 47.9–.82 37.47S 17.31W 0 4.3,4.2b
NEIC XII 16 13 06 49.1–.37 37.63S 17.32W 10 4.7b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=12.2km az=161.5.
IDC Error ellipse: s-maj=27.0km s-min=18.8km az=170.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.3km az=164.0.
ISC XII 25 01 07 34.7–1.0 22.3S–.10 12.3W–.20 10 4.7b,4.4s 92 13-151
ISCJB XII 25 01 07 31.5–.29 22.41S–.06 12.65W–.06 10 4.6b,4.4s **¶602058091**
IDC XII 25 01 07 31.7–.57 22.45S 12.56W 0 4.4,4.3
BJI XII 25 01 07 32.3 22.96S 12.42W 7 5.2s,5.0b
NEIC XII 25 01 07 33.4–.25 22.45S 12.66W 10 4.9b,5.0b
GCMT XII 25 01 07 35.4–.20 22.43S–.01 12.58W–.01 12 5.1W,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c84; s104,c163;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.12 $M_{\theta\theta}$-2.45±.13; $M_{\phi\phi}$2.60±.11; $M_{r\theta}$-0.39±.31; $M_{\theta\phi}$5.00±.09; $M_{\phi r}$-0.70±.28; Best double couple: NP1:ϕ_s166.00000°,δ85.00000°,λ174.00000°. NP2:ϕ_s257.00000°,δ84.00000°,λ5.00000°. Principal axes: T 5.7840,Plg8.0000° ,Azm122.0000°; N -0.2500,Plg82.0000°,Azm305.0000°; P -5.5270,Plg0.0000° ,Azm212.0000° M_o5.65600×10^{16}
ISC XII 27 15 35 32.2–.91 12.1S–.10 15.1W–.10 10 4.0b,3.9s 19 3-80
ISCJB XII 27 15 35 30.9–.81 12.1S–.10 15.1W–.10 10 4.1b,3.9s **¶602355694**
IDC XII 27 15 35 31.8–1.2 12.00S 15.13W 0 4.0,3.9
NEIC XII 27 15 35 32.6–.79 12.09S 15.16W 10 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=14.7km az=30.5.
IDC Error ellipse: s-maj=36.7km s-min=26.9km az=119.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=15.7km az=126.0.
ISC XII 27 16 18 21.5–.62 12.4S–.10 14.8W–.10 15 4.6b 29 3-136
ISCJB XII 27 16 18 19.9–.49 12.36S–.09 14.8W–.10 15 4.5b **¶602380672**
IDC XII 27 16 18 19.4–1.1 12.37S 14.80W 0 4.0,4.0
NEIC XII 27 16 18 20.7–.41 12.44S 14.77W 10 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.7km az=41.0.
IDC Error ellipse: s-maj=39.6km s-min=26.1km az=120.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.7km az=130.0.
ISC XII 27 16 24 00.1–.65 12.4S–.10 14.5W–.10 18 4.5b 23 3-80
IDC XII 27 16 23 57.6–4.2 12.48S 14.41W 0 3.8,3.8 **¶602380673**
ISCJB XII 27 16 23 58.0–.52 12.45S–.09 14.45W–.09 18 4.4b,3.8
NEIC XII 27 16 23 58.9–.43 12.43S 14.48W 10 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=203.3km s-min=84.3km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=10.4km az=137.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.3km az=142.0.
ISC XII 27 16 34 00.6–.28 12.33S–.06 14.87W–.06 15 5.0b,4.2s 288 3-146
MOS XII 27 16 33 58.1–.94 12.36S 14.87W 10 5.1b,4.2s **¶602059908**
IDC XII 27 16 33 58.2–.45 12.43S 14.87W 0 4.5,4.5
ISCJB XII 27 16 33 58.9–.18 12.40S–.04 14.84W–.04 15 4.9b,4.2s
NEIC XII 27 16 33 59.9–.13 12.40S 14.88W 10 5.2b,4.2s
GCMT XII 27 16 33 59.9–.20 12.13S–.03 14.76W–.01 15–1 5.0W,4.2s
BJI XII 27 16 34 01.5 12.40S 14.90W 20 5.5b,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=6.3km az=57.4.
IDC Error ellipse: s-maj=14.5km s-min=12.4km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=143.6.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=144.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s96,c121;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.20 $M_{\theta\theta}$-0.17±.12; $M_{\phi\phi}$3.16±.15; $M_{r\theta}$1.03±.29; $M_{\theta\phi}$0.35±.08; $M_{\phi r}$-1.86±.27; Best double couple: NP1:ϕ_s348.00000°,δ62.00000°,λ-108.00000°. NP2:ϕ_s203.00000°,δ33.00000°,λ-59.00000°. Principal axes: T 3.6800,Plg15.0000° ,Azm91.0000°; N 0.1520,Plg16.0000°,Azm356.0000°; P -3.8310,Plg67.0000°,Azm222.0000° M_o3.75500×10^{16}
ISC XII 28 12 18 51.9–.67 53.99S–.09 2.3W–.20 10 4.5b,4.1s 22 17-145
ISCJB XII 28 12 18 49.9–.56 53.96S–.07 2.3W–.20 10 4.3b,4.0s **¶602064896**
IDC XII 28 12 18 50.8–.75 53.97S 2.29W 0 4.4,4.2b
NEIC XII 28 12 18 51.9–.56 53.97S 2.36W 10 4.6b,4.2b
GCMT XII 28 12 18 53.9–.40 54.23S–.02 1.63W–.04 18–1 4.8W,4.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s72,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.18 $M_{\theta\theta}$1.89±.16; $M_{\phi\phi}$-0.81±.13; $M_{r\theta}$0.09±.29; $M_{\theta\phi}$-1.78±.09; $M_{\phi r}$-0.34±.31; Best double couple: NP1:ϕ_s339.00000°,δ78.00000°,λ-17.00000°. NP2:ϕ_s73.00000°,δ73.00000°,λ-168.00000°. Principal axes: T 2.7880,Plg3.0000° ,Azm27.0000°; N -0.9960,Plg69.0000°,Azm126.0000°; P -1.7920,Plg21.0000° ,Azm295.0000° M_o2.29000×10^{16}

(412) Bouvet Island region.

ISC XI 05 18 46 01.9–.63 53.26S–.08 8.8E–.10 10 4.3b,3.9s 24 19-149
ISCJB XI 05 18 46 00.0–.49 53.26S–.06 8.7E–.20 10 4.3b,3.9s **¶601874904**
IDC XI 05 18 46 00.4–.69 53.20S 8.66E 0 4.6L,4.4
NEIC XI 05 18 46 02.1–.48 53.23S 8.72E 10 4.5b,4.4
GCMT XI 05 18 46 05.1–.30 53.33S–.01 9.50E–.03 20–1 5.0W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c34; s92,c129;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.16 $M_{\theta\theta}$3.88±.14; $M_{\phi\phi}$-2.88±.12; $M_{r\theta}$1.05±.26; $M_{\theta\phi}$1.08±.11; $M_{\phi r}$0.17±.24; Best double couple: NP1:ϕ_s36.00000°,δ82.00000°,λ172.00000°. NP2:ϕ_s127.00000°,δ82.00000°,λ8.00000°. Principal axes: T 4.2630,Plg11.0000° ,Azm351.0000°; N -1.2250,Plg79.0000°,Azm173.0000°; P -3.0480,Plg0.0000°,Azm81.0000° M_o3.65600×10^{16}
ISC XII 06 15 46 49.3–.37 54.06S–.07 1.97W–.08 10 4.8b,4.4s 68 17-159
ISCJB XII 06 15 46 47.7–.29 54.01S–.05 1.89W–.10 10 4.9b,4.4s **¶602000862**
IDC XII 06 15 46 47.4–.63 54.07S 1.88W 0 4.7L,4.4
NEIC XII 06 15 46 49.3–.28 54.07S 1.90W 10 4.9b,4.4
GCMT XII 06 15 46 51.3–.20 54.24S–.01 1.36W–.02 17–1 5.1W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c55; s105,c152;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.13 $M_{\theta\theta}$4.55±.14; $M_{\phi\phi}$-3.96±.12; $M_{r\theta}$-0.83±.30; $M_{\theta\phi}$-2.55±.10; $M_{\phi r}$-0.03±.29; Best double couple: NP1:ϕ_s240.00000°,δ87.00000°,λ172.00000°. NP2:ϕ_s331.00000°,δ82.00000°,λ3.00000°. Principal axes: T 5.3620,Plg8.0000° ,Azm195.0000°; N -0.6800,Plg82.0000°,Azm41.0000°; P -4.6820,Plg4.0000°,Azm286.0000° M_o5.02200×10^{16}
ISC XII 06 16 50 54.5–.49 54.09S–.07 1.8W–.10 10 4.6b,4.2s 38 17-160
ISCJB XII 06 16 50 52.9–.44 54.04S–.06 1.8W–.20 10 4.5b,4.3s **¶602005568**
IDC XII 06 16 50 53.0–.66 54.10S 1.71W 0 4.3,4.3
NEIC XII 06 16 50 54.4–.34 54.13S 1.83W 10 4.8b,4.3
GCMT XII 06 16 50 57.4–.20 54.26S–.01 1.43W–.02 14–1 5.0W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c42; s98,c140;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.96±.12 $M_{\theta\theta}$3.74±.15; $M_{\phi\phi}$-2.78±.11; $M_{r\theta}$-0.67±.23; $M_{\theta\phi}$-2.20±.11; $M_{\phi r}$1.81±.32; Best double couple: NP1:ϕ_s149.00000°,δ81.00000°,λ-28.00000°. NP2:ϕ_s244.00000°,δ62.00000°,λ-169.00000°. Principal axes: T 4.6680,Plg12.0000° ,Azm199.0000°; N -0.4530,Plg61.0000°,Azm312.0000°; P -4.2150,Plg26.0000° ,Azm103.0000° M_o4.44100×10^{16}
ISC XII 06 21 33 25.5–.39 54.14S–.07 1.93W–.08 10 5.1s,5.0b 70 17-176
ISCJB XII 06 21 33 23.6–.33 54.09S–.05 1.88W–.10 10 5.1s,4.9b **¶602005574**
IDC XII 06 21 33 23.6–.48 54.07S 1.80W 0 5.0L,4.8
NEIC XII 06 21 33 25.5–.26 54.18S 1.92W 10 5.3W,5.1s
BJI XII 06 21 33 27.8 54.20S 2.00W 10 5.5b,5.1s
GCMT XII 06 21 33 28.5–.10 54.25S–.01 1.35W–.01 12 5.3W,5.1s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ69.00000° ,λ153.00000°. NP2:ϕ_s164.00000°,δ65.00000°,λ23.00000°. Principal axes: T 1.1600,Plg34.0000°,Azm23.0000°; N -0.1500,Plg56.0000°,Azm209.0000° ; P -1.0100,Plg3.0000°,Azm115.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c138; s133,c237;Duration: 1ş1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$0.98±.02; $M_{\phi\phi}$-0.81±.02; $M_{r\theta}$0.12±.04; $M_{\theta\phi}$-0.89±.01; $M_{\phi r}$0.25±.04; Best double couple: NP1:ϕ_s248.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s156.00000°,δ80.00000°,λ-10.00000°. Principal axes: T 1.3410,Plg0.0000° ,Azm22.0000°; N -0.0930,Plg76.0000°,Azm290.0000°; P -1.2500,Plg14.0000° ,Azm112.0000° M_o1.29600×10^{17}
ISC XII 07 01 35 08.2–.34 54.15S–.06 1.91W–.08 10 4.8b,4.8s 94 17-162
ISCJB XII 07 01 35 06.3–.29 54.10S–.05 1.8W–.10 10 4.7b,4.7s **¶602032140**
IDC XII 07 01 35 06.6–.44 54.07S 1.88W 0 5.0L,4.6
NEIC XII 07 01 35 07.9–.21 54.11S 1.87W 10 4.9b,4.6
BJI XII 07 01 35 08.9 54.10S 1.90W 10 5.2s,4.9
GCMT XII 07 01 35 09.9–.10 54.22S–.01 1.36W–.01 12 5.2W,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c118; s124,c213;Duration: 1ş0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.13 $M_{\theta\theta}$2.78±.14; $M_{\phi\phi}$-2.11±.13; $M_{r\theta}$-1.26±.32; $M_{\theta\phi}$-8.21±.10; $M_{\phi r}$-1.90±.32; Best double couple: NP1:ϕ_s351.00000°,δ80.00000°,λ-12.00000°. NP2:ϕ_s83.00000°,δ79.00000°,λ-169.00000°. Principal axes: T 8.9030,Plg1.0000° ,Azm37.0000°; N -0.0440,Plg74.0000°,Azm130.0000°; P -8.8640,Plg16.0000° ,Azm307.0000° M_o8.88400×10^{16}
ISC XII 07 02 00 33.9–.56 54.13S–.08 1.8W–.10 10 4.3b,4.0s 31 17-160
ISCJB XII 07 02 00 32.3–.45 54.06S–.06 1.8W–.20 10 4.3b,3.9s **¶602032141**
IDC XII 07 02 00 32.6–.86 54.09S 1.88W 0 4.6L,4.3
NEIC XII 07 02 00 34.1–.49 54.15S 1.88W 10 4.3b,4.3
GCMT XII 07 02 00 38.1–.30 54.29S–.02 1.39W–.03 24–1 4.9W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s69,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.16 $M_{\theta\theta}$1.27±.14; $M_{\phi\phi}$-0.97±.12; $M_{r\theta}$-0.27±.18; $M_{\theta\phi}$-2.30±.10; $M_{\phi r}$0.59±.17; Best double couple: NP1:ϕ_s347.00000°,δ90.00000°,λ14.00000°. NP2:ϕ_s257.00000°,δ76.00000°,λ180.00000°. Principal axes: T 2.8020,Plg10.0000° ,Azm213.0000°; N -0.3270,Plg76.0000°,Azm348.0000°; P -2.4740,Plg10.0000° ,Azm121.0000° M_o2.63800×10^{16}
ISC XII 09 12 38 39.9–.33 54.06S–.07 1.80W–.08 10 4.8b,4.6s 108 17-160
IDC XII 09 12 38 37.6–.49 54.13S 1.82W 0 4.6,4.5 **¶602032228**
ISCJB XII 09 12 38 38.2–.30 54.01S–.05 1.8W–.10 10 4.8b,4.5s
NEIC XII 09 12 38 39.6–.23 54.06S 1.68W 10 4.9b,4.5s
GCMT XII 09 12 38 41.6–.20 54.17S–.01 1.42W–.03 12 5.1W,4.5s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c44; s79,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.18 $M_{\theta\theta}$5.02±.14; $M_{\phi\phi}$-2.39±.18; $M_{r\theta}$-2.04±.45; $M_{\theta\phi}$-3.92±.13; $M_{\phi r}$-0.58±.58; Best double couple: NP1:ϕ_s74.00000°,δ75.00000°,λ-149.00000°. NP2:ϕ_s335.00000°,δ60.00000°,λ-18.00000°. Principal axes: T 6.9940,Plg10.0000° ,Azm202.0000°; N -2.0420,Plg56.0000°,Azm97.0000°; P -4.9420,Plg33.0000° ,Azm298.0000° M_o5.96800×10^{16}

(413) Southwest of Africa.

ISC VII 26 06 03 30.9–.96 52.4S–.10 16.2E–.30 10 3.9b 11 20-152
ISCJB VII 26 06 03 29.9–.84 52.5S–.10 16.3E–.40 10 3.9b **¶601666460**
IDC VII 26 06 03 29.2–.94 52.45S 16.09E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=15.5km az=16.6.
IDC Error ellipse: s-maj=34.8km s-min=24.8km az=88.0.
ISC VII 29 09 00 44.2–1.1 52.6S–.20 18.8E–.20 10 4.0b,3.9s 19 19-166
IDC VII 29 09 00 42.8–.99 52.64S 18.70E 0 4.0,3.9s **¶601666620**
ISCJB VII 29 09 00 44.3–1.8 52.8S–.20 19.0E–.30 10 3.9b,3.9s
NEIC VII 29 09 00 44.4–.68 52.69S 18.73E 10 4.0b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=26.3km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=39.0km s-min=19.9km az=142.1.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=17.6km az=78.0.
ISC VII 29 10 34 18.4–1.7 52.4S–.30 19.3E–.30 10 7 22-148
IDC VII 29 10 34 17.3–1.8 52.53S 19.30E 0 3.7,3.6 **¶601666626**
ISC Event type ke.
IDC Error ellipse: s-maj=69.1km s-min=51.2km az=66.0.
ISC VII 29 17 17 40.7–.79 52.7S–.10 18.6E–.20 13 3.9b,3.4s 13 20-166
IDC VII 29 17 17 38.7–.82 52.78S 18.41E 0 4.0,3.9b **¶601666635**
ISCJB VII 29 17 17 40.2–.69 52.82S–.09 18.7E–.30 13 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.

IDC VII 29 19 18 06.3–1.3 52.65S 19.01E 0 3.9,3.9b
¶601666641
IDC Error ellipse: s-maj=64.4km s-min=32.6km az=62.0.
ISC VII 30 19 39 57.7–.44 52.65S–.09 18.4E–.10 13 4.7b,4.0s 54 20-166
IDC VII 30 19 39 55.6–.43 52.69S 18.43E 0 4.6,4.5b **¶601652979**
ISCJB VII 30 19 39 56.3–.37 52.66S–.06 18.3E–.20 13 4.6b,4.0s
NEIC VII 30 19 39 57.2–.22 52.69S 18.44E 10 4.9b,4.0s
GCMT VII 30 19 39 57.2–.40 52.85S 19.11E 18–1 5.0W,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=12.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.2km az=175.1.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.2km az=81.0.
GCMT Error ellipse: s-maj=6.7km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s39,c46; s76,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.67±.25 $M_{\theta\theta}$2.40±.18; $M_{\phi\phi}$1.27±.15; $M_{r\theta}$-0.31±.39; $M_{\theta\phi}$-0.91±.10; $M_{\phi r}$-1.70±.39; Best double couple: NP1:ϕ_s319.00000°,δ53.00000°,λ-68.00000°. NP2:ϕ_s105.00000°,δ42.00000°,λ-117.00000°. Principal axes: T 2.9620,Plg6.0000°,Azm33.0000°; N 1.2850,Plg18.0000°,Azm125.0000°; P -4.2470,Plg71.0000°,Azm286.0000° $M_0$3.60500×10^{16}
ISC VII 31 13 28 08.3–.67 52.6S–.10 18.5E–.20 10 4.3b,3.7s 41 19-166
IDC VII 31 13 28 07.2–.81 52.78S 18.68E 0 4.3,4.3 **¶601529194**
NEIC VII 31 13 28 07.7–.39 52.77S 18.43E 10 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=17.5km az=88.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=12.9km az=84.0.
ISC VII 31 16 54 23.1–.66 52.71S–.10 18.5E–.20 10 4.2b,3.3s 29 19-166
ISCJB VII 31 16 54 20.9–.54 52.68S–.08 18.7E–.30 10 4.3b,3.3s **¶601498284**
IDC VII 31 16 54 21.2–.78 52.70S 18.87E 0 4.1,4.0b
NEIC VII 31 16 54 22.5–.47 52.77S 18.73E 10 4.7b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=11.6km az=1.5.
IDC Error ellipse: s-maj=46.4km s-min=17.6km az=81.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=12.9km az=80.0.
ISC VII 31 18 00 06.2–.60 52.74S–.10 18.4E–.20 10 4.4b,3.6s 27 20-166
ISCJB VII 31 18 00 04.8–.55 52.73S–.08 18.4E–.20 10 4.4b,3.6s **¶601650842**
IDC VII 31 18 00 04.5–.97 52.86S 18.52E 0 4.0,4.0b
NEIC VII 31 18 00 06.3–.39 52.72S 18.35E 10 4.6b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=11.5km az=176.4.
IDC Error ellipse: s-maj=51.1km s-min=23.1km az=77.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.8km az=83.0.
IDC VII 31 19 23 34.5–2.2 52.63S 18.92E 0 3.8,3.8
¶601650844
IDC Error ellipse: s-maj=48.1km s-min=47.5km az=96.0.
ISC VIII 06 11 49 14.4–.34 52.40S–.07 13.47E–.09 10 4.9b,4.4s 147 21-164
ISCJB VIII 06 11 49 12.5–.30 52.29S–.06 13.5E–.10 10 4.8b,4.4s **¶601521131**
IDC VIII 06 11 49 12.2–.43 52.32S 13.68E 0 4.7,4.6b
NEIC VIII 06 11 49 13.9–.22 52.29S 13.63E 10 5.0b,4.6b
BJI VIII 06 11 49 15.8 52.30S 13.40E 10 5.0s,4.7
GCMT VIII 06 11 49 16.9–.20 52.31S–.01 13.84E–.04 12 5.1W,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s84,c119;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.00±.17 $M_{\theta\theta}$5.75±.12; $M_{\phi\phi}$-0.75±.17; $M_{r\theta}$2.94±.42; $M_{\theta\phi}$-0.44±.13; $M_{\phi r}$1.98±.63; Best double couple: NP1:ϕ_s254.00000°,δ62.00000°,λ-111.00000°. NP2:ϕ_s114.00000°,δ35.00000°,λ-56.00000°. Principal axes: T 6.5020,Plg14.0000°,Azm359.0000°; N -0.0330,Plg19.0000°,Azm264.0000°; P -6.4700,Plg66.0000°,Azm125.0000° $M_0$6.48600×10^{16}
ISC VIII 06 12 20 44.2–.29 52.33S–.06 13.59E–.08 10 4.9b,4.4s 270 19-164
ISCJB VIII 06 12 20 42.8–.25 52.30S–.05 13.6E–.10 10 4.8b,4.4s **¶601521132**
IDC VIII 06 12 20 42.4–.38 52.28S 13.72E 0 4.6,4.6b
MOS VIII 06 12 20 43.4–1.3 52.32S 13.63E 10 5.1b,4.6b
NEIC VIII 06 12 20 44.4–.14 52.26S 13.77E 10 5.1b,4.6b
GCMT VIII 06 12 20 46.4–.20 52.35S–.01 13.92E–.04 14–1 5.1W,4.6b
BJI VIII 06 12 20 46.3 52.40S 13.50E 10 5.5b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=10.8.
IDC Error ellipse: s-maj=15.1km s-min=12.3km az=103.0.
MOS Error ellipse: s-maj=22.7km s-min=10.7km az=82.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.2km az=119.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s92,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.55±.32 $M_{\theta\theta}$6.16±.23; $M_{\phi\phi}$-0.60±.18; $M_{r\theta}$2.08±.37; $M_{\theta\phi}$-0.52±.14; $M_{\phi r}$-1.94±.49; Best double couple: NP1:ϕ_s291.00000°,δ58.00000°,λ-71.00000°. NP2:ϕ_s78.00000°,δ37.00000°,λ-117.00000°. Principal axes: T 6.6210,Plg11.0000°,Azm7.0000°; N -0.1390,Plg16.0000°,Azm100.0000°; P -6.4800,Plg71.0000°,Azm244.0000° $M_0$6.55000×10^{16}
ISC VIII 06 16 05 24.4–.98 52.7S–.10 14.8E–.20 10 4.2b,3.3s 14 20-91
ISCJB VIII 06 16 05 22.6–.77 52.6S–.10 14.5E–.30 10 4.1b,3.4s **¶601564306**
IDC VIII 06 16 05 23.0–1.2 52.66S 14.80E 0 4.2,4.1
NEIC VIII 06 16 05 24.4–.60 52.66S 14.73E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=14.7km az=19.6.
IDC Error ellipse: s-maj=37.7km s-min=26.4km az=102.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=13.0km az=103.0.
IDC VIII 07 21 21 39.4–1.3 53.11S 14.80E 0 4.1,3.9b
¶601765625
IDC Error ellipse: s-maj=55.4km s-min=39.5km az=44.0.
ISC VIII 29 20 01 32.6–.71 53.00S–.09 9.5E–.20 10 4.1b,4.0s 15 19-99
ISCJB VIII 29 20 01 30.8–.56 53.09S–.07 9.3E–.20 10 4.2b,3.9s **¶601670371**
IDC VIII 29 20 01 31.6–.74 53.05S 9.24E 0 4.4,4.3
NEIC VIII 29 20 01 33.2–.58 53.06S 9.21E 10 4.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=9.4km az=11.4.
IDC Error ellipse: s-maj=25.4km s-min=16.0km az=92.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=12.3km az=95.0.
ISC XII 31 00 31 06.7–.86 53.1S–.10 10.5E–.20 10 4.0b,3.8s 13 20-157
ISCJB XII 31 00 31 05.3–.90 53.1S–.10 10.2E–.30 10 3.9b,3.7s **¶602380461**
IDC XII 31 00 31 05.4–.82 53.08S 10.37E 0 4.1,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.4km s-min=16.5km az=4.7.
IDC Error ellipse: s-maj=44.3km s-min=23.3km az=71.0.

(738) Reykjanes Ridge.

ISC VII 02 04 22 10.0–.86 57.9N–.20 32.3W–.10 18 3.7b,3.5s 11 12-87
IDC VII 02 04 22 07.2–.89 57.92N 32.37W 0 3.8,3.6 **¶601663390**
ISCJB VII 02 04 22 08.0–.66 57.9N–.20 32.4W–.20 18 3.6b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 04 11 09 35.1–.75 54.5N–.20 35.23W–.09 10 4.2b,3.6s 24 15-148
ISCJB VII 04 11 09 33.5–.57 54.6N–.10 35.2W–.10 10 4.0b,3.5s **¶601551746**
IDC VII 04 11 09 33.9–.79 54.56N 35.18W 0 4.0,3.9
CSEM VII 04 11 09 35.1 54.53N 35.23W 10 4.4b,3.9
NEIC VII 04 11 09 35.1–.40 54.53N 35.23W 10 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=9.5km az=174.8.
IDC Error ellipse: s-maj=27.5km s-min=14.1km az=175.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.0km az=174.0.
ISC VII 12 16 13 08.8–.41 58.17N–.08 32.09W–.05 14 4.3b,3.8s 130 7-148
IDC VII 12 16 13 06.0–.61 58.04N 32.17W 0 4.1,4.0 **¶601275883**
ISCJB VII 12 16 13 07.2–.24 58.19N–.05 32.05W–.05 14 4.3b,3.8s
CSEM VII 12 16 13 07.8–.13 58.14N 32.00W 10 4.5b,3.8s
NEIC VII 12 16 13 08.1–.23 58.13N 32.00W 10 4.5b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=12.0km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=0.7.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.7km az=179.0.

IDC VII 12 17 08 33.5–1.8 58.03N 32.40W 0 3.6,3.5b
¶601664492
IDC Error ellipse: s-maj=50.6km s-min=31.4km az=62.0.
ISC VII 12 17 09 45.6–1.1 58.0N–.20 32.4W–.10 18 3.5b 11 12-69
IDC VII 12 17 09 42.3–1.3 57.90N 32.33W 0 3.6,3.5 **¶601664493**
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=24.5km az=22.0.
ISC VII 15 18 49 34.4–.84 54.3N–.10 35.0W–.10 10 3.8b,3.5s 16 15-148
ISCJB VII 15 18 49 32.7–.70 54.32N–.10 35.0W–.10 10 3.7b,3.6s **¶601664640**
IDC VII 15 18 49 33.1–.89 54.31N 35.06W 0 3.8,3.7b
GCMT VII 15 18 49 36.0–.50 54.21N 35.18W 28–1 4.8W,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=9.2km az=36.2.
IDC Error ellipse: s-maj=27.9km s-min=15.8km az=11.0.
GCMT Error ellipse: s-maj=5.6km s-min=5.6km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c15; s65,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.22 $M_{\theta\theta}$0.09±.13; $M_{\phi\phi}$1.86±.14; $M_{r\theta}$-0.92±.20; $M_{\theta\phi}$-0.10±.08; $M_{\phi r}$0.15±.16; Best double couple: NP1:ϕ_s156.00000°,δ52.00000°,λ-117.00000°. NP2:ϕ_s16.00000°,δ45.00000°,λ-60.00000°. Principal axes: T 1.8790,Plg4.0000°,Azm265.0000°; N 0.4270,Plg21.0000°,Azm174.0000°; P -2.2990,Plg69.0000°,Azm4.0000° $M_0$2.08900×10^{16}
ISC VII 18 21 26 37.0–1.3 56.9N–.20 33.9W–.20 13 3.7b,3.2s 12 13-146
ISCJB VII 18 21 26 35.3–1.2 56.9N–.20 33.9W–.30 13 3.8b,3.2s **¶601479684**
IDC VII 18 21 26 35.0–1.5 56.87N 33.95W 0 3.9,3.8b
CSEM VII 18 21 26 36.4 56.86N 33.98W 10 4.2b,3.8b
NEIC VII 18 21 26 36.4–.95 56.86N 33.98W 10 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=17.8km az=23.2.
IDC Error ellipse: s-maj=37.3km s-min=24.8km az=29.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=14.8km az=202.0.
IDC VII 18 21 40 57.9–1.9 56.68N 34.60W 0 3.7,3.5b
¶601664806
IDC Error ellipse: s-maj=59.5km s-min=32.8km az=54.0.
ISC VIII 03 22 42 37.3–.80 54.1N–.20 35.3W–.10 16 3.9b,3.5s 22 13-149
IDC VIII 03 22 42 34.9–.79 54.10N 35.30W 0 3.9,3.7L **¶601765424**
ISCJB VIII 03 22 42 35.4–.67 54.1N–.10 35.3W–.10 16 3.8b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 15 00 21 21.9–.65 57.7N–.10 32.59W–.07 10 4.0b,3.6s 37 9-145
ISCJB VIII 15 00 21 19.9–.44 57.71N–.10 32.61W–.09 10 3.9b,3.7s **¶601561834**
IDC VIII 15 00 21 20.6–.70 57.68N 32.54W 0 4.0,3.8
NEIC VIII 15 00 21 21.6–.36 57.67N 32.59W 10 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.8km az=2.3.
IDC Error ellipse: s-maj=20.9km s-min=13.2km az=8.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.0km az=1.0.
IDC VIII 15 03 31 08.2–1.7 57.42N 32.63W 0 3.6,3.5b
¶601765867
IDC Error ellipse: s-maj=47.2km s-min=31.0km az=57.0.
ISC VIII 15 08 25 31.1–.98 57.5N–.20 32.8W–.10 10 3.7s,3.7b 12 9-147
ISCJB VIII 15 08 25 29.3–.96 57.6N–.20 32.7W–.20 10 3.8b,3.7s **¶601765872**
IDC VIII 15 08 25 29.9–1.1 57.72N 32.64W 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=17.8km az=2.8.
IDC Error ellipse: s-maj=33.1km s-min=24.9km az=7.0.
ISC VIII 15 08 27 15.0–1.2 57.6N–.20 32.8W–.20 10 4.0b 12 9-147
ISCJB VIII 15 08 27 12.5–1.4 57.6N–.20 32.9W–.30 10 3.8b **¶601765873**
IDC VIII 15 08 27 13.1–1.2 57.52N 32.90W 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.7km s-min=22.5km az=166.2.
IDC Error ellipse: s-maj=29.5km s-min=27.2km az=176.0.
ISC VIII 15 08 35 00.5–.59 57.80N–.10 32.63W–.08 18 4.0b,3.6s 53 9-148
IDC VIII 15 08 34 57.2–.80 57.81N 32.72W 0 4.0,3.9 **¶601765874**
ISCJB VIII 15 08 34 58.6–.35 57.84N–.06 32.56W–.08 18 3.9b,3.6s
NEIC VIII 15 08 34 59.1–.34 57.79N 32.58W 10 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=14.8km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=166.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.3km az=177.0.
ISC VIII 15 08 35 51.5–.75 58.1N–.20 32.65W–.10 18 3.6s,3.5b 19 16-148
ISCJB VIII 15 08 35 49.8–.67 58.2N–.10 32.7W–.10 18 3.6b,3.5s **¶601765877**
IDC VIII 15 08 35 49.2–.81 58.22N 32.61W 0 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=10.9km az=6.0.
IDC Error ellipse: s-maj=27.0km s-min=15.7km az=1.0.
ISC VIII 15 09 41 53.0–.41 57.85N–.07 32.66W–.05 18 4.5b,4.1s 173 9-148
IDC VIII 15 09 41 49.7–.54 57.78N 32.70W 0 4.2,4.1b **¶601561882**
MOS VIII 15 09 41 50.3–.85 57.91N 32.69W 11 4.7b,4.1b
BJI VIII 15 09 41 50.3 58.41N 33.13W 10 5.0b,4.8b
NEIC VIII 15 09 41 51.9–.17 57.86N 32.64W 10 4.6b,4.8b
ISCJB VIII 15 09 41 51.4–.22 57.88N–.05 32.64W–.04 18 4.5b,4.1s
GCMT VIII 15 09 41 51.9–.30 58.04N–.04 32.45W–.04 12 4.9W,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s83,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.37±.10 $M_{\theta\theta}$0.13±.13; $M_{\phi\phi}$2.25±.08; $M_{r\theta}$1.44±.47; $M_{\theta\phi}$0.85±.08; $M_{\phi r}$-0.75±.35; Best double couple: NP1:ϕ_s354.00000°,δ54.00000°,λ-125.00000°. NP2:ϕ_s224.00000°,δ48.00000°,λ-52.00000°. Principal axes: T 2.5620,Plg3.0000°,Azm107.0000°; N 0.6680,Plg28.0000°,Azm16.0000°; P -3.2240,Plg62.0000°,Azm204.0000° $M_0$2.89300×10^{16}
ISC VIII 15 10 04 05.0–.77 57.8N–.10 32.58W–.09 18 3.8b 17 9-144
IDC VIII 15 10 04 02.2–.92 57.85N 32.56W 0 3.8,3.7 **¶601564140**
ISCJB VIII 15 10 04 03.2–.65 57.9N–.10 32.6W–.10 18 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 15 10 04 28.1–.75 57.91N–.04 32.69W–.03 6–4 5.2b,5.0s 1616 7-160
IDC VIII 15 10 04 26.6–.29 57.83N 32.76W 0 5.0,5.0 **¶601765880**
BJI VIII 15 10 04 27.1 58.36N 32.92W 6 5.5b,5.3b
ISCJB VIII 15 10 04 27.7–.06 57.93N–.02 32.71W–.01 12 5.2b,5.0s
MOS VIII 15 10 04 27.2–.84 57.94N 32.70W 9 5.4b,5.0s
GCMT VIII 15 10 04 29.1–.10 57.92N–.01 32.47W–.01 12 5.4W,5.0s
NEIC VIII 15 10 04 29.1–.07 57.89N 32.65W 10 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=6.8km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.1km az=174.0.
MOS Error ellipse: s-maj=5.6km s-min=4.7km az=65.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c70; s128,c259;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.64±.03 $M_{\theta\theta}$0.17±.03; $M_{\phi\phi}$1.47±.02; $M_{r\theta}$0.29±.09; $M_{\theta\phi}$0.54±.02; $M_{\phi r}$-0.28±.07; Best double couple: NP1:ϕ_s8.00000°,δ49.00000°,λ-106.00000°. NP2:ϕ_s212.00000°,δ43.00000°,λ-72.00000°. Principal axes: T 1.6730,Plg3.0000°,Azm109.0000°; N 0.0550,Plg12.0000°,Azm19.0000°; P -1.7300,Plg77.0000°,Azm212.0000° $M_0$1.70100×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.2km az=175.0.
ISC VIII 15 10 16 50.9–.86 57.6N–.20 32.9W–.10 15 3.8b 16 9-145
IDC VIII 15 10 16 48.6–.87 57.62N 32.83W 0 3.9,3.7b **¶601765882**
ISCJB VIII 15 10 16 49.2–.74 57.6N–.10 32.8W–.20 15 3.8b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 15 10 28 27.6–.64 57.9N–.10 32.63W–.08 18 4.0b,3.7s 28 9-148
IDC VIII 15 10 28 24.6–.69 57.79N 32.66W 0 3.9,3.8 **¶601736112**
ISCJB VIII 15 10 28 25.7–.52 57.9N–.10 32.7W–.10 18 4.0b,3.6s
NEIC VIII 15 10 28 26.0–.39 57.77N 32.68W 10 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=12.6km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=7.9km az=176.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.6km az=176.0.
ISC VIII 15 10 58 13.7–.90 57.7N–.20 32.6W–.10 10 3.6b 11 9-145

ISCJB VIII 15 10 58 11.8–.78 57.7N–.10 32.5W–.20 10 3.5b,3.4s ¶601765885
IDC VIII 15 10 58 12.1–.87 57.64N 32.58W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=13.9km az=172.0.
IDC Error ellipse: s-maj=30.3km s-min=17.0km az=1.0.
IDC VIII 15 11 16 58.5–.90 57.84N 32.77W 0 3.9,3.7b
¶601765886
IDC Error ellipse: s-maj=34.5km s-min=16.4km az=10.0.
ISC VIII 15 11 25 48.6–.43 57.86N–.07 32.65W–.05 18 4.6b,3.9s 496 7-148
BJI VIII 15 11 25 44.7 57.93N 32.25W 6 4.8b,4.3s ¶601562046
IDC VIII 15 11 25 45.5–.63 57.82N 32.69W 0 4.2,4.1
ISCJB VIII 15 11 25 46.7–.17 57.89N–.04 32.69W–.04 18 4.5b,3.9s
GCMT VIII 15 11 25 46.4–.40 57.99N–.04 32.43W–.05 14–1 4.8W,3.9s
NEIC VIII 15 11 25 47.4–.15 57.90N 32.61W 10 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=10.5km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.7km az=166.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s70,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.17 $M_{\theta\theta}$0.06±.11; $M_{\phi\phi}$1.80±.14; $M_{r\theta}$0.15±.28; $M_{\theta\phi}$0.56±.08; $M_{\theta r}$-1.01±.31; Best double couple: NP1:ϕ_s5.00000°,δ59.00000°,λ-102.00000°. NP2:ϕ_s208.00000°,δ33.00000°,λ-70.00000°. Principal axes: T 2.1800,Plg13.0000° ,Azm104.0000°; N -0.0250,Plg11.0000°,Azm11.0000°; P -2.1570,Plg73.0000° ,Azm244.0000° M_o2.16800×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.4km az=176.0.
ISC VIII 15 12 42 29.3–.93 57.6N–.20 32.6W–.10 10 3.8b 12 9-145
ISCJB VIII 15 12 42 27.5–.80 57.7N–.20 32.6W–.20 10 3.7b,3.2s ¶601765887
IDC VIII 15 12 42 27.9–1.0 57.66N 32.63W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=14.0km az=167.0.
IDC Error ellipse: s-maj=33.0km s-min=17.9km az=174.0.
IDC VIII 26 03 06 06.3–2.1 52.93N 35.26W 0 3.7,3.5
¶601626447
IDC Error ellipse: s-maj=62.3km s-min=32.0km az=29.0.
ISC VIII 26 03 06 51.5–.75 53.0N–.20 35.25W–.07 10 4.1b 42 16-150
ISCJB VIII 26 03 06 49.8–.51 53.0N–.10 35.18W–.08 10 4.1b ¶601766474
IDC VIII 26 03 06 49.5–.96 52.93N 35.32W 0 4.1,4.0
NEIC VIII 26 03 06 51.3–.41 52.92N 35.22W 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=6.7km az=175.1.
IDC Error ellipse: s-maj=32.4km s-min=14.8km az=2.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.6km az=175.0.
IDC VIII 26 03 08 51.8–2.5 52.75N 35.51W 0 3.7,3.5
¶601710322
IDC Error ellipse: s-maj=85.5km s-min=28.5km az=31.0.
ISC VIII 26 03 09 42.4–.97 53.1N–.30 35.27W–.09 10 4.0b 23 19-150
ISCJB VIII 26 03 09 40.9–.77 53.2N–.20 35.3W–.10 10 4.0b ¶601766476
IDC VIII 26 03 09 40.5–1.4 53.01N 35.33W 0 3.9,3.8
NEIC VIII 26 03 09 42.4–.45 53.07N 35.27W 10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=9.4km az=177.4.
IDC Error ellipse: s-maj=44.8km s-min=20.9km az=8.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.4km az=176.0.
IDC VIII 26 03 13 53.7–1.9 52.96N 35.31W 0 3.8,3.6
¶601766479
IDC Error ellipse: s-maj=65.9km s-min=25.8km az=23.0.
ISC VIII 26 03 16 51.8–.46 53.0N–.10 35.20W–.05 13 4.5b 327 16-150
IDC VIII 26 03 16 49.8–.67 53.02N 35.14W 0 4.3,4.1 ¶601626448
ISCJB VIII 26 03 16 50.1–.19 52.97N–.05 35.20W–.04 13 4.5b,4.1
GCMT VIII 26 03 16 51.8–.40 53.23N–.05 35.13W–.04 12 4.7W,4.1
NEIC VIII 26 03 16 51.8–.18 53.00N 35.09W 10 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=11.1km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.9km az=172.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s72,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.07 $M_{\theta\theta}$0.19±.09; $M_{\phi\phi}$1.31±.06; $M_{r\theta}$0.62±.38; $M_{\theta\phi}$0.28±.06; $M_{\theta r}$0.24±.28; Best double couple: NP1:ϕ_s210.00000°,δ55.00000°,λ-70.00000°. NP2:ϕ_s359.00000°,δ40.00000°,λ-115.00000°. Principal axes: T 1.4280,Plg8.0000° ,Azm287.0000°; N 0.2800,Plg16.0000°,Azm19.0000°; P -1.7070,Plg72.0000°,Azm171.0000° M_o1.56700×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=178.0.
IDC VIII 26 03 19 58.7–2.0 52.88N 35.29W 0 3.9,3.7
¶601626449
IDC Error ellipse: s-maj=56.5km s-min=27.4km az=24.0.
ISC VIII 26 03 20 55.1–.36 53.06N–.08 35.24W–.05 13 4.7b 594 14-150
IDC VIII 26 03 20 52.6–.54 53.01N 35.18W 0 4.3,4.2 ¶601766480
ISCJB VIII 26 03 20 53.5–.13 53.02N–.04 35.27W–.02 13 4.7b,4.2
GCMT VIII 26 03 20 54.8–.30 53.31N–.04 35.06W–.03 12 4.9W,4.2
NEIC VIII 26 03 20 54.9–.15 52.99N 35.18W 10 4.7b,4.2
BJI VIII 26 03 20 54.9 53.66N 35.10W 10 5.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=9.9km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.1km az=175.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s6,c6; s70,c108;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.08 $M_{\theta\theta}$-0.13±.10; $M_{\phi\phi}$2.03±.06; $M_{r\theta}$1.34±.40; $M_{\theta\phi}$0.35±.06; $M_{\theta r}$-0.59±.33; Best double couple: NP1:ϕ_s341.00000°,δ58.00000°,λ-124.00000°. NP2:ϕ_s213.00000°,δ46.00000°,λ-48.00000°. Principal axes: T 2.1300,Plg7.0000° ,Azm95.0000°; N 0.5880,Plg29.0000°,Azm1.0000°; P -2.7200,Plg61.0000°,Azm197.0000° M_o2.42500×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.4km az=176.0.
ISC VIII 26 03 22 43.4–.72 52.8N–.20 35.26W–.08 13 4.3b 36 16-150
ISCJB VIII 26 03 22 41.9–.57 52.9N–.10 35.23W–.09 13 4.1b ¶601710323
NEIC VIII 26 03 22 42.8–.35 52.76N 35.23W 10 4.4b
IDC VIII 26 03 22 42.3–1.2 53.04N 35.20W 0 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=7.4km az=175.2.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=174.0.
IDC Error ellipse: s-maj=40.8km s-min=16.8km az=3.0.
ISC VIII 26 03 23 52.2–1.3 53.0N–.30 35.2W–.10 13 4.3b 32 19-150
ISCJB VIII 26 03 23 50.5–.92 53.0N–.20 35.2W–.10 13 4.2b ¶601710324
IDC VIII 26 03 23 50.8–1.7 53.03N 35.21W 0 4.1,3.8
NEIC VIII 26 03 23 51.8–.57 52.99N 35.25W 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=8.9km az=168.8.
IDC Error ellipse: s-maj=69.7km s-min=19.6km az=166.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=5.8km az=167.0.
ISC VIII 26 03 32 20.4–.84 53.0N–.20 35.24W–.08 13 4.1b,3.4s 37 16-150
ISCJB VIII 26 03 32 18.7–.61 53.0N–.10 35.19W–.09 13 4.0b,3.3s ¶601710325
IDC VIII 26 03 32 18.2–1.0 52.95N 35.28W 0 4.0,3.9L
NEIC VIII 26 03 32 19.6–.39 52.84N 35.19W 10 4.2b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=7.7km az=176.2.
IDC Error ellipse: s-maj=35.0km s-min=16.9km az=1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.6km az=176.0.
IDC VIII 26 04 04 08.8–1.8 52.81N 35.25W 0 3.7,3.3
¶601766483
IDC Error ellipse: s-maj=100.6km s-min=29.3km az=27.0.
IDC VIII 26 04 50 05.8–1.6 52.97N 35.23W 0 4.0,3.9L
¶601766485
IDC Error ellipse: s-maj=53.6km s-min=22.5km az=15.0.
ISC VIII 26 05 02 33.0–1.5 52.9N–.30 35.3W–.10 10 3.7b,3.3s 11 14-150
ISCJB VIII 26 05 02 31.4–1.3 52.9N–.20 35.2W–.20 10 3.6b,3.2s ¶601766487
IDC VIII 26 05 02 31.7–1.5 52.90N 35.27W 0 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=15.2km az=15.3.
IDC Error ellipse: s-maj=46.2km s-min=21.6km az=12.0.
ISC VIII 27 01 06 34.4–.82 52.9N–.20 35.1W–.10 13 4.0b,2.9s 33 14-150
ISCJB VIII 27 01 06 32.7–.50 53.0N–.10 35.1W–.10 13 4.0b,3.0s ¶601734397
IDC VIII 27 01 06 32.1–1.1 52.89N 35.06W 0 3.9,3.8L

NEIC VIII 27 01 06 33.9–.40 52.96N 35.06W 10 4.4b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=8.6km az=4.8.
IDC Error ellipse: s-maj=28.2km s-min=21.0km az=24.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.3km az=6.0.
IDC IX 16 12 13 54.2–19 57.77N 32.08W 0 3.9,3.4b
¶601863648
IDC Error ellipse: s-maj=420.4km s-min=64.2km az=118.0.
ISC IX 16 12 37 29.7–.55 58.2N–.20 32.34W–.08 18 4.3b,3.4s 50 8-157
IDC IX 16 12 37 26.0–.81 58.13N 32.38W 0 4.0,3.8 ¶601739616
ISCJB IX 16 12 37 27.8–.31 58.22N–.09 32.35W–.08 18 4.2b,3.5s
NEIC IX 16 12 37 28.4–.24 58.20N 32.35W 10 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=15.9km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.9km az=4.6.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.7km az=185.0.
IDC IX 16 12 39 03.5–2.8 58.03N 32.25W 0 3.9,3.6
¶601863651
IDC Error ellipse: s-maj=88.0km s-min=28.9km az=161.0.
IDC IX 16 12 48 02.4–1.1 58.11N 32.42W 0 3.9,3.7
¶601740158
IDC Error ellipse: s-maj=36.2km s-min=20.9km az=36.0.
ISC IX 16 12 51 03.3–.38 58.06N–.08 32.19W–.05 14 4.5b,4.0s 357 7-148
IDC IX 16 12 51 00.6–.58 58.03N 32.45W 0 4.3,4.1 ¶601717982
ISCJB IX 16 12 51 01.8–.15 58.18N–.04 32.31W–.04 14 4.4b,4.1s
NEIC IX 16 12 51 03.0–.15 58.12N 32.26W 10 4.5b,4.1s
GCMT IX 16 12 51 03.0–.20 58.15N–.03 32.06W–.03 12 4.9W,4.1s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c23; s87,c136;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52±.10 $M_{\theta\theta}$-0.20±.12; $M_{\phi\phi}$2.71±.07; $M_{r\theta}$0.86±.42; $M_{\theta\phi}$0.48±.08; $M_{\theta r}$-0.99±.29; Best double couple: NP1:ϕ_s350.00000°,δ57.00000°,λ-113.00000°. NP2:ϕ_s208.00000°,δ39.00000°,λ-59.00000°. Principal axes: T 2.9230,Plg9.0000° ,Azm96.0000°; N 0.0830,Plg19.0000°,Azm3.0000°; P -3.0120,Plg68.0000°,Azm211.0000° M_o2.96800×10^{16}
IDC IX 16 14 20 06.7–1.4 58.02N 32.93W 0 3.9,3.5
¶601863657
IDC Error ellipse: s-maj=82.8km s-min=26.6km az=39.0.
ISC IX 16 14 30 05.5–.41 58.17N–.08 32.34W–.06 14 4.6b,4.4s 335 8-144
ISCJB IX 16 14 30 04.0–.14 58.18N–.04 32.31W–.04 14 4.5b,4.4s ¶601717987
IDC IX 16 14 30 03.4–.54 58.09N 32.34W 0 4.4,4.4s
BJI IX 16 14 30 04.5 58.73N 32.17W 3 4.7b,4.4s
NEIC IX 16 14 30 04.8–.14 58.09N 32.24W 10 4.7b,4.4s
GCMT IX 16 14 30 05.8–.20 58.18N–.02 32.11W–.02 13–0 5.1W,4.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s114,c191;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.43±.29 $M_{\theta\theta}$0.69±.17; $M_{\phi\phi}$5.74±.19; $M_{r\theta}$0.74±.53; $M_{\theta\phi}$1.73±.11; $M_{\theta r}$-0.47±.41; Best double couple: NP1:ϕ_s10.00000°,δ47.00000°,λ-100.00000°. NP2:ϕ_s204.00000°,δ44.00000°,λ-80.00000°. Principal axes: T 6.2800,Plg1.0000° ,Azm107.0000°; N 0.2570,Plg7.0000°,Azm17.0000°; P -6.5410,Plg83.0000°,Azm205.0000° M_o6.41000×10^{16}
ISC IX 16 18 01 02.6–.80 58.0N–.10 32.4W–.10 18 3.7b,3.3s 15 9-144
IDC IX 16 18 00 59.7–.87 57.92N 32.36W 0 3.8,3.7 ¶601863665
ISCJB IX 16 18 01 00.7–.67 58.0N–.10 32.3W–.20 18 3.5b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 17 03 42 16.9–.73 58.0N–.10 32.30W–.09 18 3.9b,3.6s 21 9-141
IDC IX 17 03 42 13.9–.83 57.95N 32.35W 0 4.1L,3.9 ¶601775424
ISCJB IX 17 03 42 15.1–.56 58.09N–.09 32.3W–.10 18 3.7b,3.6s
NEIC IX 17 03 42 15.5–.47 57.95N 32.35W 10 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=15.0km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=9.2km az=155.1.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.6km az=175.0.
ISC IX 20 06 23 43.6–.30 52.68N–.05 32.07W–.03 13 4.8b,4.3s 691 11-149
BJI IX 20 06 23 39.3 52.68N 32.40W 5 5.1b,4.9b ¶601731991
ISCJB IX 20 06 23 41.6–.10 52.66N–.03 32.09W–.02 13 4.8b,4.3s
MOS IX 20 06 23 41.0–.88 52.66N 32.06W 10 5.0b,4.3s
IDC IX 20 06 23 41.8–.40 52.69N 32.05W 0 4.6,4.5L
NEIC IX 20 06 23 42.9–.12 52.62N 32.04W 10 4.8b,4.5L
OTT IX 20 06 23 44.1–.37 52.78N 32.13W 18 5.6L,4.5L
GCMT IX 20 06 23 46.9–.10 52.59N–.01 32.00W–.01 21–0 5.3W,4.5L
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type ke.
OTT Event type ke. 1547km northeast from Bonavista, Nl.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c111; s129,c224;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.02 $M_{\theta\theta}$-0.38±.02; $M_{\phi\phi}$0.43±.02; $M_{r\theta}$0.12±.03; $M_{\theta\phi}$-0.92±.01; $M_{\theta r}$-0.13±.03; Best double couple: NP1:ϕ_s102.00000°,δ85.00000°,λ172.00000°. NP2:ϕ_s92.00000°,δ82.00000°,λ5.00000°. Principal axes: T 1.0610,Plg9.0000°,Azm57.0000° ; N -0.0800,Plg81.0000°,Azm250.0000°; P -0.9810,Plg2.0000°,Azm147.0000° M_o1.02100×10^{17}
ISC IX 25 01 38 57.2–.95 56.8N–.10 34.0W–.10 13 3.9b,3.4s 13 10-146
ISCJB IX 25 01 38 55.4–.85 56.9N–.10 34.0W–.20 13 3.7b,3.2s ¶601864128
IDC IX 25 01 38 55.6–.95 56.97N 33.86W 0 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=15.8km az=148.0.
IDC Error ellipse: s-maj=25.5km s-min=19.2km az=32.0.
IDC X 18 03 55 49.0–.97 53.34N 35.36W 0 3.7s,3.7
¶601998746
IDC Error ellipse: s-maj=34.5km s-min=19.3km az=16.0.
ISC X 18 04 32 31.4–.36 53.36N–.08 35.14W–.05 12 4.5b,4.1s 181 13-149
ISCJB X 18 04 32 29.7–.19 53.39N–.05 35.14W–.04 12 4.5b,4.0s ¶601838158
IDC X 18 04 32 29.1–.49 53.43N 35.09W 0 4.3,4.2
NEIC X 18 04 32 30.8–.80 53.38N 35.10W 9–5 4.6b,4.2
BJI X 18 04 32 30.0 53.59N 35.13W 12 5.4b,4.9b
GCMT X 18 04 32 32.8–.30 53.65N–.04 35.13W–.04 18–1 4.9W,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c17; s86,c112;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.50±.19 $M_{\theta\theta}$0.31±.11; $M_{\phi\phi}$2.19±.13; $M_{r\theta}$1.07±.32; $M_{\theta\phi}$0.29±.07; $M_{\theta r}$-0.99±.27; Best double couple: NP1:ϕ_s347.00000°,δ58.00000°,λ-112.00000°. NP2:ϕ_s204.00000°,δ38.00000°,λ-59.00000°. Principal axes: T 2.3950,Plg11.0000° ,Azm92.0000°; N 0.6690,Plg18.0000°,Azm359.0000°; P -3.0650,Plg68.0000°,Azm212.0000° M_o2.73000×10^{16}
IDC XI 10 14 39 39.2–8.4 54.20N 34.31W 0 3.7,3.7
¶602389160
IDC Error ellipse: s-maj=870.5km s-min=97.4km az=144.0.
IDC XI 20 05 51 33.4–2.8 54.26N 35.53W 0 3.6,3.6b
¶602210395
IDC Error ellipse: s-maj=82.8km s-min=31.2km az=66.0.
ISC XI 20 05 52 10.8–.55 54.4N–.10 35.11W–.08 10 4.0b 43 18-148
ISCJB XI 20 05 52 08.9–.42 54.28N–.09 35.14W–.09 10 4.0b ¶602389722
IDC XI 20 05 52 09.7–.60 54.35N 35.14W 0 4.1,3.9
NEIC XI 20 05 52 10.7–.36 54.29N 35.13W 10 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.6km az=6.7.
IDC Error ellipse: s-maj=21.1km s-min=13.0km az=6.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=187.0.
ISC XII 11 00 23 45.5–.87 52.5N–.20 35.0W–.10 14 3.4b,3.1s 13 19-150
ISCJB XII 11 00 23 43.7–.77 52.6N–.20 35.1W–.10 14 3.5b,3.2s ¶602391046
IDC XII 11 00 23 43.6–.97 52.58N 34.97W 0 3.7,3.6
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=26.6km s-min=11.4km az=11.3.
IDC Error ellipse: s-maj=35.4km s-min=16.8km az=11.0.
ISC XII 12 10 58 29.5–.54 54.2N–.10 35.04W–.07 14 4.6b,3.4s 62 12-148
ISCJB XII 12 10 58 27.7–.34 54.07N–.08 34.96W–.08 14 4.5b,3.4s **¶602340320**
IDC XII 12 10 58 27.7–.82 54.11N 35.11W 0 4.0,3.8
NEIC XII 12 10 58 29.0–.23 54.13N 34.98W 10 4.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=179.6.
IDC Error ellipse: s-maj=33.6km s-min=16.3km az=22.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=0.0.
IDC XII 12 11 20 09.1–.92 54.10N 35.20W 0 3.9,3.5
¶602391181
IDC Error ellipse: s-maj=52.5km s-min=20.2km az=31.0.
ISC XII 14 15 10 05.9–1.0 58.0N–.20 32.3W–.10 18 3.5b,3.4s 10 9-144
IDC XII 14 15 10 03.2–1.1 58.00N 32.28W 0 3.8,3.6 **¶602391329**
ISCJB XII 14 15 10 04.2–.91 58.1N–.10 32.2W–.20 18 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 19 03 30 29.1–.61 60.16N–.08 29.21W–.06 10 4.1b,3.7s 65 5-99
IDC XII 19 03 30 26.4–.84 59.93N 29.45W 0 4.0,3.8b **¶602051543**
ISCJB XII 19 03 30 27.5–.40 60.26N–.04 29.13W–.08 10 4.0b,3.7s
NEIC XII 19 03 30 28.2–.45 60.04N 29.38W 10 4.3b,3.7s
REY XII 19 03 30 29.3 59.82N 27.58W 10 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=16.0km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.8km az=137.5.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=214.0.
IDC XII 19 05 37 36.0–1.6 59.89N 29.84W 0 3.5,3.4
¶602391655
IDC Error ellipse: s-maj=44.5km s-min=31.6km az=49.0.
ISC XII 30 18 01 48.6–1.1 53.5N–.20 35.3W–.10 16 3.6b 11 25-149
ISCJB XII 30 18 01 46.8–.99 53.5N–.20 35.3W–.20 16 3.6s,3.5b **¶602380900**
IDC XII 30 18 01 46.3–1.1 53.53N 35.29W 0 3.7s,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.4km s-min=16.3km az=19.3.
IDC Error ellipse: s-maj=37.5km s-min=20.1km az=20.0.

(739) Azores-Cape St. Vincent Ridge.

ISC VII 03 02 08 13.6–4.1 35.5N–.20 11.6W–.20 10 79 3-9
MDD VII 03 02 08 17.0–2.5 35.57N 11.47W 0 3.5b **¶601235603**
IGIL VII 03 02 08 17.7 35.36N 11.60W 74 2.0L
INMG VII 03 02 08 18.1–1.0 35.29N 11.54W 31 2.0L
CSEM VII 03 02 08 20.3–.54 35.51N 11.25W 30 3.5b
ISC Event type ke.
MDD Error ellipse: s-maj=26.0km s-min=19.0km az=121.0. PRXIMO PROFUNDIDAD POBRE.
INMG Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=8.6km az=128.0.
MDD VII 03 15 52 10.7–2.9 37.18N 13.01W 40 3.7b
CSEM VII 03 15 52 13.9–.48 37.30N 12.55W 20 3.7b **¶601235972**
INMG VII 03 15 52 13.7–.86 37.17N 13.01W 10 1.9L
MDD Error ellipse: s-maj=37.1km s-min=25.5km az=162.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=8.8km az=159.0.
INMG Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=108.0.
ISC VII 04 14 20 49.2–2.0 36.71N–.06 11.30W–.09 10 270 2-8
MDD VII 04 14 20 52.1–.96 36.72N 11.18W 0 4.4b **¶601241274**
INMG VII 04 14 20 54.7–1.0 36.66N 11.34W 31 3.1L,2.9
IGIL VII 04 14 20 54.1 36.85N 11.17W 0 3.2L,2.9
CSEM VII 04 14 20 55.5–.33 36.82N 11.12W 30 4.4b,2.9
CNRM VII 04 14 20 57.0 36.41N 11.01W 70 4.4b,2.9
ISC Event type ke.
MDD Error ellipse: s-maj=9.3km s-min=5.9km az=79.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=62.0.
ISC VII 05 23 08 52.7–2.5 36.00N–.09 10.16W–.08 10 263 2-9
CNRM VII 05 23 08 53.6 35.85N 10.11W 0 3.5L **¶601243227**
MDD VII 05 23 08 57.8–.87 35.97N 10.23W 56–46 3.5L
INMG VII 05 23 08 58.7–1.1 36.00N 10.17W 24–7 3.0L,2.8
IGIL VII 05 23 08 58.6 35.95N 10.16W 31 3.1L,2.8
CSEM VII 05 23 08 59.5–.32 36.13N 10.01W 30 3.5L,2.8
ISC Event type ke.
MDD Error ellipse: s-maj=9.1km s-min=8.5km az=131.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=48.0.
ISC VII 13 06 19 38.1–2.2 35.84N–.08 10.26W–.09 10 192 2-8
MDD VII 13 06 19 43.0–1.3 35.95N 10.18W 10 2.8 **¶601271886**
CNRM VII 13 06 19 43.4 35.51N 9.99W 30 3.5L
CSEM VII 13 06 19 44.7–.34 36.04N 10.05W 20 2.8L
INMG VII 13 06 19 44.2–1.2 35.86N 10.20W 23–12 2.6L
IGIL VII 13 06 19 44.1 35.87N 10.18W 22 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=12.0km s-min=10.3km az=71.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=62.0.
INMG Event type ke. Error ellipse: s-maj=11.9km s-min=3.6km az=58.0.
ISC VIII 02 17 57 48.4–1.9 37.34N–.06 14.42W–.09 10 94 4-9
INMG VIII 02 17 57 45.5–2.0 37.02N 15.32W 10 2.6L **¶601511890**
SFS VIII 02 17 57 47.0 37.35N 14.50W 4.4L
IGIL VIII 02 17 57 48.6 37.36N 14.56W 0 2.0L
MDD VIII 02 17 57 49.1–1.5 37.36N 14.47W 0 4.4b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=19.0km s-min=13.0km az=66.0.
SFS AZORES. CABO DE SAN VICENTE.
MDD Error ellipse: s-maj=16.0km s-min=13.7km az=141.0. PRXIMO.
ISC VIII 02 18 39 13.7–4.0 37.4N–.10 14.4W–.20 10 47 4-8
MDD VIII 02 18 39 12.1–2.6 37.32N 14.60W 0 4.0b **¶601511891**
INMG VIII 02 18 39 14.4–.50 36.96N 14.90W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=27.8km s-min=23.3km az=173.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=155.0.
ISC VIII 02 21 04 23.1–4.1 37.3N–.10 12.6W–.20 10 54 3-6
MDD VIII 02 21 04 21.1–2.3 37.24N 12.75W 0 3.8b **¶601513196**
IGIL VIII 02 21 04 21.4 37.19N 12.83W 1 3.8b
INMG VIII 02 21 04 22.8–.71 37.11N 13.14W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=23.0km s-min=19.7km az=157.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=106.0.
ISC VIII 03 09 49 23.9–3.8 37.3N–.10 12.7W–.20 10 68 3-7
MDD VIII 03 09 49 24.2–2.0 37.25N 12.68W 0 4.0b **¶601518015**
INMG VIII 03 09 49 25.5–.82 37.25N 13.12W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=19.4km s-min=17.2km az=176.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.4km s-min=5.4km az=160.0.
ISC VIII 04 03 26 50.0–3.8 36.8N–.10 12.4W–.20 10 59 3-7
MDD VIII 04 03 26 49.5–2.1 36.75N 12.43W 0 3.7b **¶601518064**
INMG VIII 04 03 26 50.6–.67 36.56N 12.83W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=19.4km s-min=16.5km az=14.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=154.0.
ISC VIII 10 12 20 58.8–4.2 37.4N–.10 12.8W–.20 10 40 3-6
MDD VIII 10 12 20 58.4–2.6 37.33N 12.83W 0 3.7b **¶603742041**
INMG VIII 10 12 20 59.8–.76 37.16N 13.22W 10 1.7L
ISC Event type ke.
MDD Error ellipse: s-maj=27.2km s-min=22.4km az=154.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=135.0.
ISC VIII 13 04 12 02.1–2.1 37.05N–.07 13.52W–.10 10 111 4-8
MDD VIII 13 04 12 07.9–1.7 37.11N 13.24W 0 4.1b **¶601554159**
SFS VIII 13 04 12 09.0 37.21N 13.10W 4.0L
INMG VIII 13 04 12 09.3–.96 36.86N 13.61W 10 2.4L
IGIL VIII 13 04 12 09.5 37.10N 13.43W 26 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=15.4km s-min=12.7km az=39.0. PRXIMO.
SFS AZORES- CABO DE. SAN VICENTE.

INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=133.0.
ISC VIII 16 08 20 36.7–3.8 37.3N–.10 12.6W–.20 10 69 3-7
MDD VIII 16 08 20 36.4–2.0 37.26N 12.63W 0 3.6b **¶601564038**
INMG VIII 16 08 20 37.7–.87 37.11N 13.04W 10 2.1L
IGIL VIII 16 08 20 37.3 37.23N 12.68W 2 1.9L
ISC Event type ke.
MDD Error ellipse: s-maj=20.3km s-min=16.1km az=15.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=103.0.
ISC IX 01 23 01 28.5–2.4 36.63N–.07 11.2W–.10 26–17 151 2-9
SFS IX 01 23 01 31.0 36.66N 11.30W 35 3.8L **¶601670047**
MDD IX 01 23 01 32.3–1.2 36.80N 11.04W 0 2.9
INMG IX 01 23 01 33.8–1.3 36.66N 11.23W 31 2.7,2.6L
IGIL IX 01 23 01 33.6 36.70N 11.17W 23 2.7L,2.6L
CNRM IX 01 23 01 35.1 36.34N 10.77W 30 3.0L,2.6L
ISC Event type ke.
SFS CABO DE. SAN VICENTE.
MDD Error ellipse: s-maj=10.9km s-min=8.6km az=52.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=66.0.
ISC IX 19 02 31 54.6–2.6 37.27N–.07 13.4W–.10 35 102 4-37
IGIL IX 19 02 31 49.5 37.09N 13.88W 33 2.4L **¶601725135**
MDD IX 19 02 31 50.4–1.9 37.14N 13.79W 40 4.0b
INMG IX 19 02 31 52.3–.98 37.09N 13.88W 10 2.4L
IDC IX 19 02 31 54.9–5.4 37.12N 12.76W 0 3.3,3.3
ISC Event type ke.
MDD Error ellipse: s-maj=21.1km s-min=16.5km az=174.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=102.0.
IDC Error ellipse: s-maj=70.5km s-min=47.2km az=68.0.
ISC IX 20 04 05 23.7–3.9 39.00N–.09 13.8W–.20 10 37 4-6
MDD IX 20 04 05 22.9–3.0 39.03N 14.27W 40 3.9b **¶601869254**
INMG IX 20 04 05 25.1–1.2 38.81N 14.42W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=24.0km s-min=22.9km az=60.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=19.5km s-min=12.8km az=169.0.
INMG IX 23 11 33 26.7–1.1 36.45N 11.28W 31 1.8L
IGIL IX 23 11 33 25.7 36.48N 11.34W 31 1.7L **¶601834330**
MDD IX 23 11 33 26.0–2.0 36.59N 11.05W 0 3.5b
INMG Event type ke. Error ellipse: s-maj=10.9km s-min=6.7km az=129.0.
MDD Error ellipse: s-maj=33.5km s-min=16.8km az=150.0. PRXIMO.
ISC IX 24 08 46 32.7–3.8 37.3N–.10 13.1W–.20 10 49 3-7
MDD IX 24 08 46 33.2–2.5 37.16N 13.28W 20 3.8b **¶601738493**
IGIL IX 24 08 46 34.4 37.24N 13.09W 0 2.2L
INMG IX 24 08 46 34.1–.98 36.98N 13.53W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=23.5km s-min=18.0km az=29.0. PRXIMO SOLUCIN POBRE.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=65.0.
ISC IX 26 09 18 05.3–2.2 38.70N–.04 11.4W–.10 10 85 2-6
MDD IX 26 09 18 11.5–1.4 38.68N 11.32W 60 3.8b **¶601740453**
IGIL IX 26 09 18 11.2 38.70N 11.31W 26 1.9L
INMG IX 26 09 18 12.6–1.4 38.65N 11.51W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=13.4km s-min=8.0km az=78.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=3.4km az=79.0.
ISC IX 27 17 44 39.0–2.1 36.60N–.06 11.09W–.09 10 151 2-10
CNRM IX 27 17 44 41.6 36.39N 10.94W 22 3.5L **¶601751154**
MDD IX 27 17 44 42.4–1.2 36.72N 11.02W 0 3.3
INMG IX 27 17 44 43.0–2.0 36.52N 11.24W 31–11 3.1L,2.7
IGIL IX 27 17 44 43.0 36.51N 11.19W 31 3.1L,2.7
ISC Event type ke.
MDD Error ellipse: s-maj=10.9km s-min=7.3km az=55.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=73.0.
ISC X 06 15 19 58.5–3.8 36.7N–.10 11.6W–.20 10 67 2-7
MDD X 06 15 20 00.4–1.9 36.69N 11.49W 0 3.8b,1.8 **¶601794195**
IGIL X 06 15 20 00.4 36.62N 11.61W 10 1.9L,1.8
INMG X 06 15 20 01.5–1.1 36.67N 11.58W 10 2.0L,1.8
ISC Event type ke.
MDD Error ellipse: s-maj=15.8km s-min=14.9km az=79.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=88.0.
ISC X 10 16 43 11.8–4.3 36.8N–.10 12.4W–.20 10 29 3-6
MDD X 10 16 43 09.7–3.9 36.68N 12.66W 12–227 3.8b **¶601819789**
INMG X 10 16 43 11.7–.91 36.67N 12.96W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=270.0km s-min=29.1km az=61.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=16.3km s-min=8.4km az=168.0.
ISC X 15 04 44 52.6–4.3 37.5N–.10 13.5W–.20 10 33 4-7
MDD X 15 04 44 51.3–3.1 37.44N 13.70W 0 3.6b **¶601834076**
INMG X 15 04 44 53.2–1.0 37.20N 14.06W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=34.3km s-min=26.0km az=179.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=17.5km s-min=13.3km az=151.0.
ISC X 15 19 55 28.1–.91 37.12N–.04 13.01W–.05 10 200 3-13
CNRM X 15 19 55 34.3 36.84N 13.00W 102 **¶601835747**
MDD X 15 19 55 34.7–1.2 37.13N 12.97W 25 4.6b
IGIL X 15 19 55 35.2 37.17N 12.94W 25 3.0L
LDG X 15 19 55 36.9–.23 37.20N 12.76W 10 3.7L
INMG X 15 19 55 36.5–2.0 37.08N 13.13W 10 3.1L
ISC Event type ke.
MDD Error ellipse: s-maj=11.6km s-min=7.8km az=89.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=63.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=117.0.
ISC X 15 20 04 06.2–3.0 37.37N–.07 12.6W–.10 10 101 3-9
IGIL X 15 20 04 07.8 37.26N 12.67W 0 2.0L **¶601835748**
MDD X 15 20 04 07.7–1.7 37.28N 12.66W 0 3.9b
INMG X 15 20 04 08.8–.95 37.08N 13.06W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=14.9km s-min=14.2km az=83.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=111.0.
ISC X 15 21 50 47.2–.55 37.24N–.03 12.94W–.03 10 141 3-15
CNRM X 15 21 50 35.8 36.55N 14.39W 32 **¶601835753**
MDD X 15 21 50 53.9–1.4 37.19N 12.91W 25 4.5b
LDG X 15 21 50 54.7–.38 37.23N 12.82W 10 3.7L
INMG X 15 21 50 54.7–2.2 37.08N 13.12W 10 3.1L
IGIL X 15 21 50 54.0 37.21N 12.92W 25 3.0L
ISC Event type ke.
MDD Error ellipse: s-maj=12.4km s-min=10.8km az=58.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=6.1km az=51.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=128.0.
ISC X 15 21 56 39.7–3.3 37.30N–.09 12.6W–.20 10 147 3-12
MDD X 15 21 56 40.0–1.5 37.15N 12.83W 20 4.4b **¶601835754**
IGIL X 15 21 56 40.7 37.16N 12.82W 20 2.7L
CNRM X 15 21 56 41.8 36.84N 12.49W 128 2.7L
LDG X 15 21 56 41.5–.29 37.21N 12.72W 10 3.3L
INMG X 15 21 56 41.7–1.9 37.10N 13.06W 10 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=13.4km s-min=10.9km az=69.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=58.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=97.0.
ISC X 16 03 02 13.7–3.4 37.29N–.09 12.7W–.20 10 116 3-9
MDD X 16 03 02 14.9–1.6 37.17N 12.88W 25 4.2b **¶601835767**
IGIL X 16 03 02 14.5 37.16N 12.92W 25 2.6L
INMG X 16 03 02 15.9–1.0 37.07N 13.08W 10 2.5L
ISC Event type ke.
MDD Error ellipse: s-maj=14.4km s-min=12.8km az=47.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=115.0.
MDD X 16 04 58 39.0–4.1 37.15N 13.19W 0 3.5b
¶603385092
MDD Error ellipse: s-maj=35.4km s-min=30.5km az=61.0. PRXIMO SIN SOLUCIN.
ISC X 16 05 16 49.0–.85 37.07N–.04 13.06W–.06 10 4.5b 296 3-27
MDD X 16 05 16 54.0–.71 37.09N 13.07W 25 4.9b **¶601835773**
IGIL X 16 05 16 55.6 37.14N 13.03W 31 3.6L
CNRM X 16 05 16 55.0 36.64N 12.81W 30 3.9L
NEIC X 16 05 16 55.2–2.1 37.29N 12.77W 10 4.2b

LDG X 16 05 16 56.7–.27 37.22N 12.86W 10 4.1L
INMG X 16 05 16 56.9–2.0 37.07N 13.14W 10 3.6L
ISC Event type ke.
MDD Error ellipse: s-maj=9.0km s-min=6.1km az=137.0. PRXIMO.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=9.4km az=53.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=53.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=124.0.
ISC X 16 05 28 35.4–1.1 37.13N–.04 12.91W–.05 10 152 3-9
CNRM X 16 05 28 40.4 36.81N 12.79W 91 ¶601835774
MDD X 16 05 28 40.6–1.4 37.16N 12.92W 25 4.5b
IGIL X 16 05 28 40.7 37.19N 12.90W 19 2.8L
INMG X 16 05 28 42.2–1.1 37.09N 13.11W 10 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=12.8km s-min=9.5km az=75.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=114.0.
MDD X 16 06 04 25.3–2.3 37.25N 12.67W 0 3.6b
IGIL X 16 06 04 24.6 37.16N 12.72W 2 1.7L ¶601835776
INMG X 16 06 04 26.4–.94 37.08N 13.08W 10 2.0L
MDD Error ellipse: s-maj=23.6km s-min=20.2km az=159.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.2km s-min=6.6km az=115.0.
MDD X 16 07 23 02.5–2.6 37.17N 12.63W 0 3.5b
IGIL X 16 07 23 02.7 37.15N 12.65W 2 1.9L ¶601835777
INMG X 16 07 23 03.2–1.0 37.03N 13.07W 10 2.1L
MDD Error ellipse: s-maj=26.1km s-min=23.0km az=138.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.6km s-min=9.6km az=178.0.
ISC X 16 07 36 12.0–3.9 37.32N–.10 12.6W–.20 10 66 3-7
IGIL X 16 07 36 11.5 37.20N 12.66W 1 2.0L ¶601835778
MDD X 16 07 36 11.9–2.1 37.23N 12.61W 0 3.9b
INMG X 16 07 36 13.2–1.1 37.11N 13.05W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=18.7km s-min=18.3km az=44.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=6.0km az=69.0.
ISC X 16 11 13 00.5–.56 37.02N–.03 12.97W–.03 10 164 3-16
MDD X 16 11 13 08.8–.76 37.15N 13.18W 25 5.1b ¶601836653
IGIL X 16 11 13 08.7 37.14N 13.22W 30 3.8L
LDG X 16 11 13 10.7–.31 37.16N 12.95W 10 4.1L
CNRM X 16 11 13 10.5 36.70N 12.80W 30 4.0L
INMG X 16 11 13 12.4–2.0 37.06N 13.12W 10 3.7L
ISC Event type ke.
MDD Error ellipse: s-maj=8.8km s-min=6.4km az=124.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=69.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=123.0.
ISC X 16 11 17 39.2–3.5 37.29N–.09 12.7W–.20 10 79 3-7
MDD X 16 11 17 40.0–1.9 37.16N 12.91W 25 4.4b ¶601836654
IGIL X 16 11 17 40.0 37.25N 12.73W 2 2.5L
INMG X 16 11 17 41.8–1.1 37.08N 13.06W 10 2.6L
ISC Event type ke.
MDD Error ellipse: s-maj=16.9km s-min=14.9km az=62.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=88.0.
ISC X 16 14 13 04.8–3.9 37.27N–.10 12.7W–.20 10 74 3-7
IGIL X 16 14 13 05.1 37.33N 12.83W 2 2.1L ¶601836663
MDD X 16 14 13 06.4–2.0 37.12N 12.89W 25 4.1b
INMG X 16 14 13 08.1–1.1 37.01N 13.04W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=21.1km s-min=17.3km az=157.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=6.6km az=144.0.
ISC X 16 17 26 39.2–3.4 37.24N–.09 12.8W–.20 10 88 3-9
MDD X 16 17 26 44.4–1.9 37.23N 12.89W 25 4.2b ¶601868854
IGIL X 16 17 26 44.3 37.30N 12.67W 0 2.2L
INMG X 16 17 26 45.8–1.4 37.07N 13.05W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=16.4km s-min=13.1km az=65.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=7.8km az=96.0.
ISC X 16 17 29 04.3–3.8 37.30N–.10 12.7W–.20 10 45 3-7
INMG X 16 17 29 04.1–1.2 37.11N 13.26W 10 2.3L ¶602710159
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=11.9km s-min=11.2km az=93.0.
ISC X 16 17 29 27.1–3.6 37.28N–.09 12.8W–.20 10 79 3-9
MDD X 16 17 29 28.9–1.8 37.28N 12.72W 0 4.1b ¶601836672
IGIL X 16 17 29 29.4 37.26N 12.68W 0 2.2L
INMG X 16 17 29 30.1–1.2 37.04N 13.12W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=16.2km s-min=12.3km az=62.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=7.5km az=165.0.
MDD X 16 17 43 38.1–2.3 37.24N 12.74W 0 3.8b
IGIL X 16 17 43 37.2 37.18N 12.86W 2 1.8L ¶601836673
INMG X 16 17 43 39.5–.94 37.04N 13.10W 10 2.1L
MDD Error ellipse: s-maj=22.5km s-min=21.0km az=1.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.9km s-min=8.1km az=156.0.
ISC X 16 18 41 27.5–3.5 37.31N–.09 12.7W–.20 10 95 3-9
IGIL X 16 18 41 28.9 37.29N 12.73W 2 1.9L ¶601836737
MDD X 16 18 41 29.2–1.7 37.30N 12.72W 0 4.1b
INMG X 16 18 41 30.9–1.2 37.12N 13.08W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=15.7km s-min=13.2km az=47.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=94.0.
MDD X 16 21 53 39.5–2.0 37.22N 12.64W 0 3.6b
INMG X 16 21 53 40.3–1.2 37.04N 13.07W 10 2.0L ¶601837344
MDD Error ellipse: s-maj=17.8km s-min=15.7km az=66.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.4km s-min=7.2km az=127.0.
ISC X 16 22 04 15.5–2.8 37.36N–.07 11.9W–.10 10 75 2-8
MDD X 16 22 04 07.8–1.9 37.21N 12.63W 0 3.9b ¶601837345
IGIL X 16 22 04 07.6 37.20N 12.63W 2 2.0L
INMG X 16 22 04 08.4–1.2 37.02N 13.07W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=17.1km s-min=14.8km az=47.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.9km s-min=7.5km az=141.0.
ISC X 17 02 07 18.5–2.8 37.24N–.07 12.7W–.10 10 149 3-12
MDD X 17 02 07 20.1–1.3 37.19N 12.67W 0 4.4b ¶601837354
LDG X 17 02 07 20.4–.29 37.13N 12.85W 10 3.3L
IGIL X 17 02 07 20.6 37.20N 12.68W 2 2.4L
INMG X 17 02 07 21.7–1.3 37.07N 13.08W 10 2.7L
CNRM X 17 02 07 28.3 36.82N 12.20W 55 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=12.0km s-min=8.3km az=83.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=58.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=87.0.
ISC X 17 08 04 31.3–3.4 37.27N–.08 12.8W–.20 10 115 3-9
CNRM X 17 08 04 32.1 36.84N 12.88W 30 ¶601837368
IGIL X 17 08 04 32.8 37.15N 12.97W 28 2.6L
MDD X 17 08 04 33.1–1.7 37.17N 12.92W 25 4.3b
INMG X 17 08 04 35.1–1.2 37.11N 13.07W 10 2.6L
ISC Event type ke.
MDD Error ellipse: s-maj=15.6km s-min=13.5km az=83.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=91.0.
ISC X 17 09 03 59.2–3.6 37.30N–.10 12.8W–.20 10 74 3-9
MDD X 17 09 04 02.3–2.1 37.26N 12.75W 0 4.1b ¶601837395
INMG X 17 09 04 03.9–1.0 37.03N 13.12W 10 2.4L
IGIL X 17 09 04 03.0 37.23N 12.72W 0 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=21.2km s-min=17.4km az=27.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=6.8km az=135.0.
ISC X 17 09 41 43.2–4.0 37.3N–.10 12.6W–.20 10 48 3-6
MDD X 17 09 41 42.2–2.4 37.16N 12.67W 0 3.8b ¶601837399
INMG X 17 09 41 43.5–.89 37.04N 13.08W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=23.0km s-min=20.5km az=23.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=7.5km az=82.0.
ISC X 17 16 37 01.3–3.6 36.9N–.10 12.9W–.20 10 76 3-7
MDD X 17 16 37 03.7–2.1 36.85N 13.06W 25 4.2b ¶601837582
INMG X 17 16 37 04.5–1.2 36.61N 13.24W 10 2.5L

ISC Event type ke.
MDD Error ellipse: s-maj=19.5km s-min=14.2km az=36.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.4km s-min=5.7km az=87.0.
ISC X 17 18 58 18.6–4.0 37.2N–.10 13.3W–.20 10 50 4-7
MDD X 17 18 58 22.3–2.5 37.29N 13.14W 0 3.5b ¶601838140
INMG X 17 18 58 22.6–1.2 37.02N 13.61W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=22.4km s-min=19.1km az=54.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=12.4km s-min=8.0km az=11.0.
ISC X 18 11 24 23.0–3.3 37.29N–.09 12.7W–.20 10 135 3-13
MDD X 18 11 24 24.3–1.4 37.16N 12.91W 25 4.6b ¶601838262
IGIL X 18 11 24 25.1 37.26N 12.68W 2 3.1L
INMG X 18 11 24 26.1–2.0 37.11N 13.07W 10 3.1L
CNRM X 18 11 24 28.4 36.86N 12.35W 30 3.1L
ISC Event type ke.
MDD Error ellipse: s-maj=12.8km s-min=10.9km az=67.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=84.0.
ISC X 20 08 14 50.8–4.1 37.3N–.10 12.6W–.20 10 49 3-6
MDD X 20 08 14 49.8–2.3 37.19N 12.69W 0 3.6b ¶601839529
INMG X 20 08 14 51.0–1.1 37.05N 13.10W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=22.1km s-min=19.5km az=8.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.7km s-min=7.9km az=101.0.
ISC X 21 17 47 39.1–3.0 37.23N–.07 12.8W–.10 10 110 3-10
MDD X 21 17 47 42.4–1.6 37.23N 12.72W 0 4.3b ¶601839964
IGIL X 21 17 47 42.7 37.27N 12.74W 0 2.4L
INMG X 21 17 47 44.4–2.1 37.03N 13.07W 10 2.4L
CNRM X 21 17 47 46.8 36.91N 12.60W 59 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=14.3km s-min=10.4km az=76.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.7km s-min=7.1km az=93.0.
ISC X 22 01 57 46.3–3.1 37.30N–.08 12.4W–.10 10 63 3-7
INMG X 22 01 57 47.0–1.4 37.09N 13.17W 10 2.2L ¶601840569
IGIL X 22 01 57 47.3 37.31N 12.59W 0 1.9L
MDD X 22 01 57 48.2–2.4 37.35N 12.54W 0 3.5b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=12.0km s-min=9.6km az=90.0.
MDD Error ellipse: s-maj=22.0km s-min=17.6km az=63.0. PRXIMO.
ISC X 22 02 31 07.0–3.7 37.31N–.09 12.8W–.20 10 88 3-7
MDD X 22 02 31 09.3–1.9 37.28N 12.67W 0 3.9b ¶601840573
IGIL X 22 02 31 09.1 37.22N 12.66W 0 2.2L
INMG X 22 02 31 10.3–1.3 37.11N 13.07W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=16.8km s-min=14.1km az=73.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=5.6km az=89.0.
ISC X 22 09 09 18.4–3.5 37.24N–.10 12.8W–.20 10 70 3-7
MDD X 22 09 09 22.3–2.0 37.22N 12.65W 0 4.0b ¶601840872
INMG X 22 09 09 23.1–1.3 37.09N 13.09W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=18.0km s-min=15.1km az=53.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=75.0.
ISC X 23 00 59 12.5–3.0 37.47N–.08 12.3W–.10 10 57 3-7
MDD X 23 00 59 07.5–2.4 37.28N 12.92W 0 3.6b ¶601842107
IGIL X 23 00 59 08.9 37.20N 12.77W 0 1.9L
INMG X 23 00 59 10.6–1.4 37.27N 13.31W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=22.7km s-min=20.1km az=125.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=13.6km s-min=11.0km az=88.0.
ISC X 23 01 02 01.9–4.0 37.4N–.10 12.7W–.20 10 44 3-6
IGIL X 23 01 01 59.1 37.18N 13.24W 10 ¶601868865
MDD X 23 01 02 03.8–2.6 37.31N 12.76W 0 3.6b
INMG X 23 01 02 04.3–1.2 37.17N 13.25W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=27.0km s-min=21.3km az=133.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=14.0km s-min=10.2km az=134.0.
ISC X 23 02 15 36.8–2.2 37.24N–.06 12.6W–.10 10 149 3-12
MDD X 23 02 15 37.8–1.3 37.19N 12.80W 0 4.3b ¶601842110
LDG X 23 02 15 39.3–.48 37.16N 12.99W 20 3.5L
IGIL X 23 02 15 39.1 37.24N 12.73W 2 2.8L
INMG X 23 02 15 40.6–2.1 37.07N 13.08W 10 2.8L
ISCJB X 23 02 15 40.4–.75 37.44N–.04 12.45W–.05 10 2.8L
CNRM X 23 02 15 42.4 36.91N 12.61W 158 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=12.2km s-min=7.6km az=77.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=9.6km s-min=6.5km az=61.0.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=5.2km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=136.8.
ISC X 23 02 16 20.5–3.4 37.38N–.09 12.6W–.20 10 108 3-11
CNRM X 23 02 16 18.1 36.91N 12.64W 11 ¶602710180
MDD X 23 02 16 19.4–1.8 37.28N 12.72W 0 4.2b
LDG X 23 02 16 21.0–.45 37.25N 12.88W 20 3.4L
INMG X 23 02 16 21.2–1.4 37.12N 13.10W 10 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=15.7km s-min=10.7km az=59.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=6.9km az=54.0.
INMG Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=83.0.
ISC X 23 02 20 55.4–3.0 37.46N–.07 12.2W–.10 10 60 3-7
IGIL X 23 02 20 50.4 37.23N 12.77W 1 1.8L ¶601842112
MDD X 23 02 20 52.1–2.1 37.27N 12.65W 0 3.7b
INMG X 23 02 20 54.3–1.5 37.13N 12.99W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=19.1km s-min=18.6km az=47.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.4km s-min=10.3km az=101.0.
ISC X 23 02 30 47.7–3.0 37.35N–.08 12.7W–.10 10 87 3-7
MDD X 23 02 30 50.3–1.8 37.25N 12.76W 0 3.9b ¶601842113
IGIL X 23 02 30 50.4 37.23N 12.70W 0 2.0L
INMG X 23 02 30 51.6–1.5 37.09N 13.16W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=16.2km s-min=11.1km az=66.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=86.0.
ISC X 24 18 54 52.7–3.8 37.26N–.10 12.7W–.20 10 70 3-7
MDD X 24 18 54 55.7–2.1 37.23N 12.60W 0 3.8b ¶601846468
INMG X 24 18 54 56.3–1.4 37.11N 13.08W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=18.5km s-min=14.3km az=65.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.7km s-min=6.3km az=90.0.
ISC X 26 15 54 26.0–3.2 37.31N–.09 12.8W–.20 10 130 3-13
MDD X 26 15 54 28.3–1.6 37.27N 12.69W 0 4.3b ¶601851598
IGIL X 26 15 54 28.7 37.31N 12.69W 2 2.5L
LDG X 26 15 54 29.6–.41 37.18N 12.86W 20 3.5L
CNRM X 26 15 54 30.4 37.56N 12.64W 183 3.5L
INMG X 26 15 54 30.0–2.0 37.12N 13.06W 10 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=14.5km s-min=9.8km az=60.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=49.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=75.0.
ISC X 29 14 25 22.0–3.3 37.36N–.09 12.7W–.20 10 98 3-11
IGIL X 29 14 25 22.0 37.10N 13.02W 30 2.2L ¶601857875
MDD X 29 14 25 23.6–1.8 37.23N 12.68W 0 4.2b
LDG X 29 14 25 23.7–.39 37.22N 12.77W 2 3.3L
INMG X 29 14 25 24.7–1.3 37.11N 13.10W 10 2.5L
ISC Event type ke.
MDD Error ellipse: s-maj=16.4km s-min=13.1km az=48.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=5.8km az=61.0.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=70.0.
ISC X 29 14 43 54.9–3.2 37.41N–.08 12.2W–.10 10 54 3-6
IGIL X 29 14 43 47.4 37.17N 12.91W 10 2.1L ¶601857877
MDD X 29 14 43 49.9–2.2 37.28N 12.66W 0 3.8b
INMG X 29 14 43 51.6–1.3 37.09N 13.03W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=21.2km s-min=19.1km az=9.0. PRXIMO.

INMG Event type ke. Error ellipse: s-maj=9.9km s-min=8.0km az=99.0.
ISC X 29 15 52 18.9–1.1 37.40N–.04 12.30W–.05 10 101 3-11
MDD X 29 15 52 15.9–1.6 37.30N 12.74W 0 4.3b ¶601857881
INMG X 29 15 52 16.9–2.0 37.08N 13.15W 10 2.5L
IGIL X 29 15 52 16.1 37.32N 12.75W 4 2.3L
LDG X 29 15 52 17.2–.28 37.23N 12.94W 25 3.4L
CNRM X 29 15 52 22.7 36.90N 12.27W 123 3.4L
ISC Event type ke.
MDD Error ellipse: s-maj=15.2km s-min=11.3km az=62.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=87.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=56.0.
ISC X 29 18 22 44.6–1.7 37.31N–.05 12.37W–.09 10 103 3-11
LDG X 29 18 22 43.0–.52 36.91N 13.22W 25 3.4L ¶601857884
MDD X 29 18 22 44.9–1.3 37.22N 12.74W 0 4.3b
IGIL X 29 18 22 44.7 37.20N 13.00W 32 2.8L
ISCJB X 29 18 22 47.0–.74 37.46N–.04 12.44W–.05 10 2.8L
INMG X 29 18 22 47.2–2.0 37.09N 13.07W 10 2.8L
CNRM X 29 18 22 50.9 36.95N 12.51W 68 2.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=10.3km s-min=9.0km az=46.0.
MDD Error ellipse: s-maj=12.2km s-min=8.7km az=90.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=147.7.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.7km az=80.0.
ISC X 29 20 05 38.0–3.7 37.36N–.10 12.7W–.20 10 55 3-10
IGIL X 29 20 05 37.2 37.31N 12.90W 2 1.8L ¶601859235
MDD X 29 20 05 41.2–2.2 37.32N 12.61W 0 3.7b
INMG X 29 20 05 41.5–2.1 37.13N 13.09W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=20.7km s-min=17.7km az=35.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.9km s-min=8.9km az=85.0.
MDD X 31 21 07 29.8–2.6 37.29N 12.74W 0 3.5b
INMG X 31 21 07 30.5–1.1 37.16N 13.25W 10 2.1L ¶601867031
IGIL X 31 21 07 31.4 37.52N 12.50W 0 2.1L
MDD Error ellipse: s-maj=27.9km s-min=23.2km az=156.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.6km s-min=8.1km az=100.0.
ISC X 31 21 22 46.1–1.8 37.20N–.07 12.90W–.09 10 85 3-11
IGIL X 31 21 22 51.9 37.25N 12.72W 0 2.0L ¶601867032
MDD X 31 21 22 52.3–1.8 37.26N 12.70W 0 3.9b
INMG X 31 21 22 53.5–1.9 37.08N 13.11W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=16.3km s-min=12.1km az=56.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=110.0.
ISC X 31 21 35 40.0–2.2 37.37N–.06 12.5W–.10 10 174 3-15
MDD X 31 21 35 39.4–1.4 37.22N 12.72W 0 4.3b ¶601867034
IGIL X 31 21 35 39.6 37.25N 12.75W 0 2.8L
CNRM X 31 21 35 40.1 36.84N 12.82W 113 2.8L
LDG X 31 21 35 40.1–.40 37.17N 12.96W 20 3.5L
INMG X 31 21 35 41.0–2.0 37.06N 13.10W 10 2.9L
ISC Event type ke.
MDD Error ellipse: s-maj=12.4km s-min=9.7km az=65.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=6.4km az=56.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=118.0.
ISC XI 01 21 50 56.7–3.2 37.32N–.08 12.9W–.10 10 149 3-13
CNRM XI 01 21 50 55.1 36.76N 12.95W 60 ¶601867830
MDD XI 01 21 50 58.9–1.5 37.26N 12.77W 0 4.2b
IGIL XI 01 21 50 58.5 37.15N 12.96W 16 3.0L
LDG XI 01 21 50 59.1–.48 37.13N 13.04W 20 3.3L
INMG XI 01 21 51 00.5–1.9 37.09N 13.13W 10 2.9L
ISC Event type ke.
MDD Error ellipse: s-maj=13.4km s-min=10.9km az=57.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=8.0km az=37.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=88.0.
ISC XI 01 22 10 07.1–3.2 37.27N–.08 12.8W–.10 10 115 3-12
MDD XI 01 22 10 10.9–1.6 37.22N 12.73W 0 4.0b ¶601867832
IGIL XI 01 22 10 11.5 37.15N 13.00W 40 2.5L
LDG XI 01 22 10 12.0–.66 37.21N 12.99W 20 3.6L
INMG XI 01 22 10 12.5–1.1 37.09N 13.14W 10 2.5L
ISC Event type ke.
MDD Error ellipse: s-maj=14.2km s-min=12.4km az=64.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=12.2km s-min=11.6km az=59.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=90.0.
ISC XI 01 22 11 58.7–2.7 37.42N–.07 12.4W–.10 10 107 3-11
LDG XI 01 22 11 56.2–.65 37.20N 13.19W 20 2.9L ¶601867833
MDD XI 01 22 11 56.8–1.8 37.20N 12.78W 0 4.0b
IGIL XI 01 22 11 56.7 37.13N 13.08W 40 2.3L
INMG XI 01 22 11 58.6–1.3 37.08N 13.16W 10 2.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=11.8km s-min=11.5km az=76.0.
MDD Error ellipse: s-maj=15.3km s-min=14.3km az=61.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=4.8km az=89.0.
MDD XI 01 22 14 03.4–2.2 37.17N 12.66W 0 3.5b
INMG XI 01 22 14 05.4–1.5 37.04N 13.03W 10 2.0L ¶601867834
MDD Error ellipse: s-maj=21.3km s-min=18.3km az=152.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=13.4km s-min=11.5km az=161.0.
ISC XI 02 00 45 56.3–3.4 37.24N–.09 12.8W–.20 10 103 3-8
MDD XI 02 00 46 01.0–1.7 37.22N 12.71W 0 3.9b ¶601867840
IGIL XI 02 00 46 01.1 37.17N 12.96W 30 2.3L
INMG XI 02 00 46 02.0–1.2 37.08N 13.16W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=15.0km s-min=13.3km az=56.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=84.0.
ISC XI 02 01 10 56.2–4.0 37.2N–.10 12.6W–.20 10 67 3-7
IGIL XI 02 01 10 53.8 37.18N 12.72W 2 1.7L ¶601867841
MDD XI 02 01 10 54.7–2.0 37.15N 12.73W 0 3.5b
INMG XI 02 01 10 56.7–1.0 37.01N 13.08W 10 1.9L
ISC Event type ke.
MDD Error ellipse: s-maj=18.6km s-min=17.4km az=12.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=6.3km az=83.0.
ISC XI 02 01 33 54.0–4.0 37.20N–.10 12.6W–.20 10 67 3-7
MDD XI 02 01 33 54.3–2.1 37.19N 12.64W 0 3.5b ¶601867846
IGIL XI 02 01 33 54.2 37.22N 12.69W 0 1.6L
INMG XI 02 01 33 55.5–1.1 37.01N 13.07W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=18.1km s-min=16.3km az=95.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=5.6km az=95.0.
ISC XI 02 01 48 59.6–4.2 37.3N–.10 12.7W–.20 10 48 3-7
IGIL XI 02 01 48 56.0 37.16N 13.19W 10 ¶607167741
MDD XI 02 01 48 57.0–2.7 37.25N 12.95W 0 3.0b
INMG XI 02 01 49 02.2–.69 37.17N 13.19W 10 1.6L
ISC Event type ke.
MDD Error ellipse: s-maj=25.6km s-min=23.3km az=129.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=6.1km az=127.0.
ISC XI 02 01 49 14.5–4.0 37.30N–.10 12.7W–.20 10 65 3-7
MDD XI 02 01 49 14.3–2.2 37.29N 12.81W 0 3.5b ¶602031578
IGIL XI 02 01 49 15.7 37.30N 12.66W 0 3.5b
INMG XI 02 01 49 16.2–1.3 37.17N 13.21W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=19.2km s-min=17.5km az=97.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.2km s-min=9.0km az=123.0.
ISC XI 03 01 54 09.1–4.1 37.5N–.10 12.7W–.20 10 41 3-7
MDD XI 03 01 54 07.6–2.5 37.41N 12.85W 0 3.5b ¶601869342
INMG XI 03 01 54 10.4–1.3 37.39N 13.28W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=22.6km s-min=21.3km az=41.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=16.3km s-min=12.9km az=5.0.
ISC XI 03 05 57 25.9–2.9 37.23N–.08 12.7W–.10 10 154 3-12
CNRM XI 03 05 57 28.8 36.79N 13.03W 107 ¶601869368
MDD XI 03 05 57 28.7–1.4 37.16N 12.75W 0 4.1b
LDG XI 03 05 57 28.4–.46 37.08N 13.13W 20 3.4L
IGIL XI 03 05 57 29.5 37.20N 12.78W 5 2.7L
INMG XI 03 05 57 31.3–1.0 37.06N 13.09W 10 2.8L

ISC Event type ke.
MDD Error ellipse: s-maj=12.5km s-min=9.3km az=71.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=59.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=81.0.
ISC XI 03 06 03 30.9–3.2 37.30N–.08 12.8W–.20 10 137 3-12
CNRM XI 03 06 03 30.9 36.98N 12.94W 187 ¶601869369
MDD XI 03 06 03 33.0–1.5 37.27N 12.71W 0 4.0b
LDG XI 03 06 03 33.5–.40 37.20N 12.97W 20 3.2L
IGIL XI 03 06 03 33.1 37.33N 12.70W 1 2.4L
INMG XI 03 06 03 35.0–1.1 37.05N 13.03W 10 2.5L
ISC Event type ke.
MDD Error ellipse: s-maj=13.9km s-min=11.2km az=57.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=5.9km az=56.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=85.0.
ISC XI 03 06 09 59.4–2.9 37.33N–.07 12.7W–.10 10 178 3-12
MDD XI 03 06 09 59.5–1.4 37.25N 12.72W 0 4.4b ¶601869370
IGIL XI 03 06 09 59.8 37.24N 12.75W 0 3.0L
INMG XI 03 06 10 00.9–1.9 37.03N 13.08W 10 3.0L
CNRM XI 03 06 10 00.9 36.88N 12.87W 128 3.0L
LDG XI 03 06 10 00.0–.32 37.13N 12.96W 20 3.6L
ISC Event type ke.
MDD Error ellipse: s-maj=12.4km s-min=8.6km az=65.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=78.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=64.0.
ISC XI 03 06 15 17.7–3.6 37.29N–.10 12.8W–.20 10 62 3-7
IGIL XI 03 06 15 19.8 37.26N 12.70W 0 1.9L ¶601869371
MDD XI 03 06 15 20.5–2.0 37.24N 12.68W 0 3.6b
INMG XI 03 06 15 21.4–1.2 37.11N 13.20W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=17.7km s-min=15.5km az=71.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=95.0.
ISC XI 04 08 39 11.7–3.7 37.4N–.10 12.7W–.20 10 60 3-7
MDD XI 04 08 39 12.2–2.0 37.29N 12.75W 0 3.7b ¶601874299
INMG XI 04 08 39 14.3–1.0 37.17N 13.12W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=18.3km s-min=16.6km az=46.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.9km s-min=6.1km az=93.0.
ISC XI 04 16 37 32.8–3.3 37.43N–.09 12.9W–.10 10 44 3-7
MDD XI 04 16 37 30.4–2.8 37.25N 13.12W 0 3.6b ¶601870087
INMG XI 04 16 37 30.0–1.4 36.87N 13.62W 10 2.5L
ISC Event type ke.
MDD Error ellipse: s-maj=25.9km s-min=18.5km az=32.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=24.6km s-min=18.4km az=152.0.
ISC XI 04 23 49 20.7–3.9 37.34N–.10 12.6W–.20 10 66 3-7
MDD XI 04 23 49 19.7–2.7 37.23N 12.82W 8–145 3.6b,2.9 ¶601871349
INMG XI 04 23 49 19.1–1.2 37.10N 13.34W 10 2.3L,2.9
IGIL XI 04 23 49 19.6 37.28N 12.75W 0 1.9L,2.9
ISC Event type ke.
MDD Error ellipse: s-maj=187.0km s-min=21.2km az=68.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.9km s-min=5.5km az=93.0.
ISC XI 05 00 03 40.6–2.9 37.34N–.08 12.5W–.10 10 89 3-7
MDD XI 05 00 03 40.3–2.0 37.18N 12.92W 21–112 3.9b ¶601871350
INMG XI 05 00 03 40.6–1.1 37.12N 13.27W 10 2.4L
IGIL XI 05 00 03 41.0 37.28N 12.70W 0 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=126.0km s-min=14.7km az=66.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=89.0.
ISC XI 05 22 00 00.3–.47 36.40N–.03 11.63W–.03 10 3.9b 270 2-39
ISCJB XI 05 22 00 00.0–.35 36.26N–.02 11.50W–.03 10 3.8b,2.8s ¶601874868
IDC XI 05 22 00 01.6–2.5 36.24N 11.62W 0 5.1L,4.1
CNRM XI 05 22 00 02.5 36.26N 11.69W 89 4.4L,4.1
MDD XI 05 22 00 05.1–.65 36.42N 11.85W 35 4.7b,4.1
INMG XI 05 22 00 06.2–2.5 36.43N 11.81W 31–14 3.8L,3.5
IGIL XI 05 22 00 07.1 36.44N 11.72W 31 3.7L,3.5
LDG XI 05 22 00 07.0–.22 36.53N 11.74W 20 4.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=3.1km az=40.8.
IDC Error ellipse: s-maj=66.9km s-min=21.6km az=99.0.
MDD Error ellipse: s-maj=7.4km s-min=5.8km az=144.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=72.0.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=42.0.
ISC XI 07 13 59 19.3–3.4 37.48N–.09 12.5W–.20 10 42 3-6
MDD XI 07 13 59 16.5–2.3 37.29N 12.72W 0 3.7b ¶601879558
INMG XI 07 13 59 18.0–1.0 37.12N 13.14W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=20.8km s-min=19.8km az=44.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.5km s-min=7.8km az=13.0.
ISC XI 07 19 49 15.9–2.9 37.37N–.08 12.5W–.10 10 67 3-7
IGIL XI 07 19 49 14.4 37.25N 12.89W 8 2.1L ¶601880068
MDD XI 07 19 49 15.5–2.1 37.20N 12.70W 0 3.8b
INMG XI 07 19 49 15.4–.95 36.95N 13.22W 10 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=18.5km s-min=16.9km az=64.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=6.6km az=101.0.
ISC XI 08 13 45 25.3–3.6 37.3N–.10 12.8W–.20 10 54 3-7
MDD XI 08 13 45 29.5–2.2 37.34N 12.67W 0 3.8b,1.9 ¶601881309
IGIL XI 08 13 45 29.8 37.40N 12.66W 2 1.9L,1.9
INMG XI 08 13 45 30.8–.92 37.07N 13.07W 10 2.2L,1.9
ISC Event type ke.
MDD Error ellipse: s-maj=20.5km s-min=16.3km az=41.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=5.8km az=104.0.
ISC XI 10 14 49 09.9–3.2 37.30N–.09 12.8W–.10 10 139 3-12
IGIL XI 10 14 49 11.2 37.25N 12.71W 0 2.8L ¶601883739
MDD XI 10 14 49 12.1–1.4 37.26N 12.71W 0 4.3b
LDG XI 10 14 49 13.5–.42 37.21N 12.88W 20 3.4L
INMG XI 10 14 49 13.2–1.9 37.07N 13.10W 10 2.8L
CNRM XI 10 14 49 18.9 37.18N 12.29W 126 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=13.0km s-min=10.4km az=68.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=6.6km az=50.0.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=112.0.
ISC XI 10 14 58 46.4–4.2 37.3N–.10 12.5W–.20 10 50 3-7
MDD XI 10 14 58 46.7–2.9 37.25N 12.60W 0 3.5b ¶601883741
ISC Event type ke.
MDD Error ellipse: s-maj=24.3km s-min=23.2km az=125.0. PRXIMO.
ISC XI 10 19 45 28.5–4.0 37.30N–.10 12.5W–.20 10 49 3-7
MDD XI 10 19 45 26.9–2.4 37.23N 12.64W 0 3.7b ¶601883748
INMG XI 10 19 45 28.2–1.1 37.16N 13.13W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=20.8km s-min=16.8km az=89.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.3km s-min=7.8km az=96.0.
ISC XI 10 20 51 30.8–3.5 37.26N–.10 12.9W–.20 10 94 3-7
IGIL XI 10 20 51 33.7 37.25N 12.75W 0 2.1L ¶601883749
MDD XI 10 20 51 34.4–1.8 37.24N 12.70W 0 4.0b
INMG XI 10 20 51 35.8–1.2 37.06N 13.09W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=15.7km s-min=13.1km az=50.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=93.0.
ISC XI 22 05 05 39.4–1.9 37.54N–.07 17.0W–.10 10 61 5-10
MDD XI 22 05 05 43.9–2.5 37.65N 17.20W 29–60 4.2b ¶601993611
INMG XI 22 05 05 46.7–2.3 37.54N 17.25W 10 2.9L
ISC Event type ke.
MDD Error ellipse: s-maj=42.7km s-min=18.8km az=114.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=14.3km s-min=5.4km az=117.0.
ISC XI 25 10 29 02.7–3.9 37.0N–.10 12.3W–.20 10 57 3-7
MDD XI 25 10 29 05.1–2.1 36.92N 12.29W 10 3.6b ¶601994354
INMG XI 25 10 29 05.7–1.3 36.71N 12.60W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=18.1km s-min=16.4km az=107.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.5km s-min=8.7km az=95.0.
ISC XII 05 07 29 19.8–1.5 38.59N–.03 10.42W–.07 10 116 1-5

CNRM XII 05 07 29 15.6 38.66N 11.02W 30 4.4L ¶602216549
ISCJB XII 05 07 29 20.2–.61 38.66N–.02 10.18W–.04 10 4.4L
MDD XII 05 07 29 23.8–1.7 38.63N 10.17W 33–10 2.5
INMG XII 05 07 29 23.0–1.8 38.57N 10.32W 17–4 2.3L
IGIL XII 05 07 29 23.6 38.60N 10.29W 22 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=174.4.
MDD Error ellipse: s-maj=12.8km s-min=6.7km az=85.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=3.2km az=86.0.
ISC XII 07 00 35 00.9–3.5 36.6N–.10 11.1W–.10 10 93 2-7
MDD XII 07 00 35 02.6–1.6 36.61N 11.01W 0 2.9 ¶602005580
INMG XII 07 00 35 02.7–1.2 36.51N 11.13W 10 2.3L
IGIL XII 07 00 35 02.9 36.50N 11.12W 10 2.3L
CNRM XII 07 00 35 06.5 36.07N 10.74W 30 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=13.4km s-min=11.4km az=59.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=80.0.
ISC XII 07 17 37 52.2–4.3 37.3N–.10 13.0W–.20 10 26 3-6
MDD XII 07 17 37 50.8–3.3 37.13N 13.13W 0 3.2b ¶602006347
ISC Event type ke.
MDD Error ellipse: s-maj=35.3km s-min=26.0km az=168.0. PRXIMO.
ISC XII 09 06 11 11.7–3.0 35.24N–.09 12.0W–.10 10 67 3-8
CNRM XII 09 06 11 03.2 36.11N 11.97W 66 ¶602032221
MDD XII 09 06 11 17.9–2.1 35.38N 11.88W 0 3.6b
IGIL XII 09 06 11 18.8 35.24N 11.98W 24 1.9L
INMG XII 09 06 11 19.2–.86 35.21N 12.04W 31 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=25.5km s-min=18.1km az=140.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=90.0.
ISC XII 11 03 19 23.4–2.5 37.23N–.06 13.4W–.10 10 211 4-16
MDD XII 11 03 19 22.5–1.3 37.08N 13.82W 26–14 4.8b ¶602034592
CNRM XII 11 03 19 23.2 36.83N 13.60W 50 4.8b
IGIL XII 11 03 19 23.7 37.09N 13.82W 60 3.7L
INMG XII 11 03 19 26.3–1.9 36.99N 13.75W 10 3.5L
LDG XII 11 03 19 28.1–.53 37.32N 13.52W 20 3.5L
ISC Event type ke.
MDD Error ellipse: s-maj=11.3km s-min=6.4km az=130.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=119.0.
LDG Event type ke. Error ellipse: s-maj=10.4km s-min=7.7km az=60.0.
ISC XII 12 21 50 23.7–3.6 37.08N–.10 13.8W–.20 22 96 4-8
IGIL XII 12 21 50 24.1 37.04N 13.80W 0 2.0L ¶602037364
MDD XII 12 21 50 24.1–1.9 37.03N 13.76W 0 4.4b
INMG XII 12 21 50 25.9–1.2 36.77N 14.08W 10 2.5L
ISC Event type ke.
MDD Error ellipse: s-maj=16.6km s-min=14.9km az=48.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.4km s-min=6.5km az=126.0.
ISC XII 14 12 32 47.7–4.2 37.2N–.10 15.3W–.20 10 28 5-9
MDD XII 14 12 32 44.8–4.1 37.03N 15.53W 0 4.1b ¶602043532
ISC Event type ke.
MDD Error ellipse: s-maj=34.3km s-min=29.9km az=27.0. PRXIMO.
ISC XII 18 22 55 18.8–3.0 38.96N–.05 13.9W–.20 10 132 4-10
MDD XII 18 22 55 23.0–1.6 39.00N 13.77W 0 4.0b ¶602051534
IGIL XII 18 22 55 23.1 39.09N 13.74W 1 2.6L
INMG XII 18 22 55 23.8–1.2 38.90N 14.27W 10 2.7L
CNRM XII 18 22 55 28.9 38.50N 13.63W 93 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=14.6km s-min=9.6km az=77.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=68.0.
ISC XII 19 16 25 16.2–2.7 37.26N–.07 12.6W–.10 10 78 3-8
MDD XII 19 16 25 17.5–2.0 37.11N 12.94W 76–149 4.1b ¶602051980
INMG XII 19 16 25 18.4–1.1 37.05N 13.12W 10 2.8L
CNRM XII 19 16 25 20.4 36.92N 12.96W 90 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=22.3km s-min=17.7km az=92.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=5.5km az=71.0.
ISC XII 19 19 25 13.7–4.3 37.2N–.10 12.5W–.20 10 42 3-6
MDD XII 19 19 25 11.6–2.5 37.30N 12.70W 0 3.5b ¶602052187
INMG XII 19 19 25 14.1–.96 37.11N 13.04W 10 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=26.7km s-min=21.8km az=170.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=17.4km s-min=9.0km az=166.0.
MDD XII 19 20 14 22.7–2.8 37.00N 12.71W 0 3.5b
INMG XII 19 20 14 23.6–.74 37.07N 13.22W 10 2.0L ¶602732623
MDD Error ellipse: s-maj=45.7km s-min=24.0km az=165.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=13.2km s-min=7.4km az=161.0.

SEISMIC REGION 33.
Indian Ocean.

(415) Eastern Gulf of Aden.

ISC VII 21 17 02 09.4–.71 13.2N–.10 50.14E–.08 10 4.2b,3.3s 62 7-121
ISCJB VII 21 17 02 08.0–.54 13.19N–.08 50.13E–.05 10 4.2b,3.3s ¶601664928
IDC VII 21 17 02 08.2–1.0 13.16N 50.10E 0 4.2L,3.9
NEIC VII 21 17 02 09.4–.46 13.14N 50.15E 10 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.3km az=4.7.
IDC Error ellipse: s-maj=25.1km s-min=19.1km az=22.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.6km az=188.0.
ISC VII 22 11 20 04.1–.82 13.20N–.07 49.98E–.05 12–4 4.6b,3.6s 316 2-131
BJI VII 22 11 20 01.0 13.10N 50.10E 10 5.1b,4.7b ¶601456934
IDC VII 22 11 20 02.4–.52 13.17N 50.11E 0 4.4,4.3L
MOS VII 22 11 20 02.1–1.2 13.18N 50.16E 10 5.0b,4.3L
ISCJB VII 22 11 20 02.4–.34 13.07N–.05 50.04E–.03 15 4.6b,3.7s
CSEM VII 22 11 20 03.8–.20 13.12N 50.05E 10 4.7b,3.7s
NEIC VII 22 11 20 03.6–.28 13.13N 50.08E 10 4.8b,3.7s
DHMR VII 22 11 20 05.9–2.2 13.39N 49.58E 11–240 4.1L,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=12.6km az=175.0.
MOS Error ellipse: s-maj=9.5km s-min=4.1km az=109.9.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=4.2.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.3km az=3.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=187.0.
DHMR Error ellipse: s-maj=48.1km s-min=247.6km az=-1.0.
ISC VII 22 11 21 13.5–.93 13.2N–.20 50.1E–.10 10 3.9b 15 7-131
ISCJB VII 22 11 21 11.6–.79 13.2N–.10 50.03E–.10 10 3.9b ¶601664965
IDC VII 22 11 21 12.0–.96 13.24N 50.07E 0 4.2L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=13.3km az=168.8.
IDC Error ellipse: s-maj=25.3km s-min=19.0km az=11.0.
ISC VII 22 11 35 02.5–.66 13.39N–.09 49.94E–.07 10 4.0b 48 1-127
ISCJB VII 22 11 35 00.3–.46 13.33N–.07 49.96E–.05 10 4.0b ¶601484394
IDC VII 22 11 35 00.2–.90 13.22N 50.13E 0 4.0,3.9
CSEM VII 22 11 35 00.7–.24 13.28N 49.97E 2 4.6b,3.9
NEIC VII 22 11 35 01.9–.45 13.25N 50.14E 10 4.6b,3.9
DHMR VII 22 11 35 03.9–6.7 13.36N 49.64E 2–82 3.5L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.2km az=15.3.
IDC Error ellipse: s-maj=24.3km s-min=18.4km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=7.1km az=12.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.6km az=193.0.
DHMR Error ellipse: s-maj=80.6km s-min=150.3km az=-1.0.
ISC VII 22 11 39 39.4–.74 13.3N–.10 49.94E–.07 10 4.0b 54 1-127
ISCJB VII 22 11 39 37.5–.42 13.32N–.06 49.94E–.04 10 4.1b ¶601484395
IDC VII 22 11 39 37.1–.90 13.16N 50.01E 0 4.3L,4.0
NEIC VII 22 11 39 38.9–.40 13.19N 50.08E 10 4.4b,4.0
CSEM VII 22 11 39 39.3–.22 13.28N 50.01E 10 4.4b,4.0
DHMR VII 22 11 39 40.8–1.9 13.39N 49.53E 2–251 3.6L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.2km az=5.4.
IDC Error ellipse: s-maj=22.5km s-min=17.5km az=9.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.1km az=184.0.
CSEM Event type ke.
DHMR Error ellipse: s-maj=203.8km s-min=471.4km az=-1.0.
ISC VII 22 14 56 44.4–1.2 13.1N–.10 49.09E–.09 10 3.6b 7 1-90
IDC VII 22 14 56 43.0–1.5 13.25N 48.95E 0 3.9,3.8L ¶601664978
DHMR VII 22 14 56 51.2–4.1 13.44N 49.65E 20–82 3.3L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=33.1km az=134.0.
DHMR Error ellipse: s-maj=99.8km s-min=38.5km az=-1.0.
ISC VII 22 17 09 13.9–.96 13.3N–.20 49.94E–.08 10 3.9b 16 4-127
ISCJB VII 22 17 09 11.9–.78 13.3N–.10 49.92E–.05 10 3.8b ¶601664981
IDC VII 22 17 09 12.4–1.1 13.22N 50.14E 0 4.5L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=7.1km az=177.2.
IDC Error ellipse: s-maj=28.8km s-min=23.4km az=10.0.
DHMR VII 22 18 42 40.4–2.0 13.37N 49.62E 20–999 3.5L
¶604033294
DHMR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VII 22 21 47 34.8–.81 13.3N–.10 50.02E–.07 10 4.1b,3.2s 44 4-90
IDC VII 22 21 47 32.3–1.0 12.86N 50.16E 0 4.3L,4.1 ¶601643194
NEIC VII 22 21 47 33.8–.54 12.94N 50.16E 10 4.4b,4.1
CSEM VII 22 21 47 34.3–.32 13.00N 50.17E 10 4.5b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=18.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.4km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=15.9km s-min=10.3km az=171.0.
ISC VII 23 00 21 26.8–1.3 13.5N–.10 49.79E–.09 10 3.7b,3.6s 15 1-57
IDC VII 23 00 21 21.2–3.1 12.90N 50.20E 0 4.1L,3.8 ¶601666280
ISCJB VII 23 00 21 24.2–.95 13.35N–.09 49.86E–.07 10 3.7s,3.6b
DHMR VII 23 00 21 27.8–3.6 13.36N 49.63E 26–999 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=65.8km s-min=24.4km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=9.2km az=172.5.
DHMR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VII 28 00 49 19.2–2.4 11.9N–.40 47.5E–.20 10 3.7b,3.4s 10 3-80
IDC VII 28 00 49 18.2–2.7 12.04N 47.53E 0 3.6b,3.6 ¶601666547
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=22.4km az=160.0.
ISC VII 28 04 54 31.0–.89 12.5N–.10 47.15E–.09 10 4.0b 39 2-92
ISCJB VII 28 04 54 29.6–.70 12.55N–.10 47.20E–.05 10 3.9b,3.0s ¶601519881
IDC VII 28 04 54 29.5–1.3 12.52N 47.23E 0 3.9,3.8
CSEM VII 28 04 54 31.0 12.50N 47.21E 10 4.3b,3.8
NEIC VII 28 04 54 31.0–.78 12.50N 47.21E 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.6km az=14.6.
IDC Error ellipse: s-maj=29.7km s-min=19.7km az=1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.1km az=172.0.
ISC VII 28 05 00 55.6–.68 12.50N–.09 47.12E–.06 10 4.1b,3.5s 52 2-120
BJI VII 28 05 00 53.4 12.20N 47.40E 10 4.9b,4.6b ¶601483973
IDC VII 28 05 00 53.5–1.1 12.39N 47.24E 0 4.0,3.9
ISCJB VII 28 05 00 53.8–.57 12.50N–.08 47.12E–.04 10 4.2b,3.6s
NEIC VII 28 05 00 55.2–.70 12.36N 47.35E 10 4.5b,3.6s
CSEM VII 28 05 00 57.4–.35 12.57N 47.16E 20 3.9L,3.6s
DHMR VII 28 05 00 57.2–.96 12.56N 46.81E 15–13 3.9L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=20.2km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.1km az=12.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.5km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=16.0km s-min=7.8km az=4.0.
DHMR Error ellipse: s-maj=6.5km s-min=9.8km az=-1.0.
ISC VII 28 20 18 48.6–.70 12.91N–.08 48.29E–.06 26 4.3b 49 2-121
IDC VII 28 20 18 44.7–1.2 12.77N 48.37E 0 4.4L,4.3 ¶601666589
NEIC VII 28 20 18 46.0–.42 12.81N 48.35E 10 4.9b,4.3
ISCJB VII 28 20 18 46.6–.42 12.89N–.06 48.28E–.04 26 4.4b,4.3
CSEM VII 28 20 18 46.1–.26 12.86N 48.26E 10 5.0b,4.3
DHMR VII 28 20 18 48.3–1.5 13.14N 48.13E 34–95 4.0L,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=24.7km az=19.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.8km az=198.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.9km az=176.8.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=7.4km az=6.0.
DHMR Error ellipse: s-maj=28.7km s-min=52.2km az=-1.0.
ISC VIII 20 10 52 41.2–1.1 12.9N–.20 51.1E–.10 16 3.6b,3.3s 9 8-89
IDC VIII 20 10 52 38.9–1.4 12.96N 51.17E 0 4.7L,3.7 ¶601766188
ISCJB VIII 20 10 52 39.4–.93 13.0N–.20 51.1E–.10 16 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 20 12 45 48.9–28 13.66N 50.28E 0 4.1,3.8
¶601766193
IDC Error ellipse: s-maj=951.6km s-min=85.9km az=133.0.
ISC VIII 31 10 12 33.1–1.2 13.2N–.20 50.5E–.10 15 3.9b 8 8-89
IDC VIII 31 10 12 30.6–1.1 13.20N 50.47E 0 4.2L,4.0 ¶601755657
ISCJB VIII 31 10 12 31.4–.90 13.3N–.20 50.4E–.10 15 3.8b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 14 38 34.0–1.1 13.2N–.20 50.5E–.10 15 3.9b 13 8-89
IDC VIII 31 14 38 31.5–1.3 13.22N 50.49E 0 4.6L,4.0 ¶601755706
ISCJB VIII 31 14 38 32.2–.95 13.3N–.20 50.5E–.10 15 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC VIII 31 14 56 25.0–17 13.06N 50.83E 0 4.4L,4.0
¶601755710
IDC Error ellipse: s-maj=390.2km s-min=36.3km az=136.0.
ISC VIII 31 15 13 38.8–.92 13.2N–.10 50.5E–.10 15 4.0b 28 8-89
IDC VIII 31 15 13 36.5–.97 13.24N 50.44E 0 4.6L,4.1 ¶601755714
ISCJB VIII 31 15 13 37.2–.73 13.3N–.10 50.41E–.08 15 3.9b,4.1
NEIC VIII 31 15 13 37.9–.83 13.14N 50.55E 10 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=17.1km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=11.5km az=165.8.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=12.8km az=177.0.
ISC VIII 31 15 18 27.4–.63 13.30N–.10 50.5E–.10 21 4.2b 35 8-131
IDC VIII 31 15 18 24.2–.63 13.30N 50.51E 0 5.4,5.4s ¶601755719
ISCJB VIII 31 15 18 25.4–.54 13.29N–.08 50.47E–.08 21 4.1b,5.4s
NEIC VIII 31 15 18 25.7–.41 13.29N 50.52E 10 4.5b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=13.6km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.2km az=44.4.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.9km az=130.0.
ISC VIII 31 15 44 57.3–.41 13.38N–.07 50.36E–.05 21 4.7b 186 5-131
DHMR VIII 31 15 44 39.5–3.2 13.07N 51.45E 3–999 5.4b ¶601667568
IDC VIII 31 15 44 52.8–.59 13.15N 50.47E 0 4.5,4.4
BJI VIII 31 15 44 53.3 13.30N 50.40E 10 5.0s,4.9
ISCJB VIII 31 15 44 55.3–.29 13.34N–.05 50.43E–.03 21 4.7s,4.6b
NEIC VIII 31 15 44 55.2–.33 13.32N 50.49E 10 4.7b,4.6b
OMAN VIII 31 15 44 58.1–1.5 13.39N 50.95E 10 4.7b,4.6b
ISC Event type se.
DHMR Error ellipse: s-maj=331.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=14.8km s-min=11.7km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=171.4.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.3km az=169.0.
OMAN Error ellipse: s-maj=70.2km s-min=29.0km az=315.0.
ISC VIII 31 15 47 39.3–.43 13.22N–.08 50.49E–.06 15 4.7b 128 8-131
BJI VIII 31 15 47 30.5 12.60N 49.86E 10 5.2s,5.1b ¶601667569
IDC VIII 31 15 47 36.9–.47 13.20N 50.50E 0 4.5,4.5b
ISCJB VIII 31 15 47 37.5–.30 13.19N–.05 50.46E–.03 15 4.7s,4.6b
NEIC VIII 31 15 47 38.4–.31 13.20N 50.51E 10 4.8b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=10.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=170.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.1km az=144.0.

ISC VIII 31 16 22 33.5–.80 13.2N–.10 50.5E–.10 15 3.9b 24 8-128
ISCJB VIII 31 16 22 31.8–.62 13.24N–.10 50.42E–.08 15 4.3s,3.9b **¶601755738**
IDC VIII 31 16 22 31.4–.84 13.24N 50.45E 0 4.4,4.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=10.4km az=151.6.
IDC Error ellipse: s-maj=19.6km s-min=15.8km az=175.0.
ISC VIII 31 16 30 19.1–1.2 13.1N–.20 50.6E–.10 15 3.8b 11 8-89
IDC VIII 31 16 30 16.7–1.1 13.11N 50.60E 0 4.4L,3.9 **¶601755746**
ISCJB VIII 31 16 30 17.4–.88 13.2N–.10 50.6E–.10 15 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 31 18 01 58.0–.86 13.31N–.05 50.48E–.05 16–5 4.8b,4.6s 270 5-131
BJI VIII 31 18 01 54.1 13.10N 50.40E 8 5.2b,4.7b **¶601667575**
ISCJB VIII 31 18 01 55.4–.24 13.25N–.04 50.49E–.03 10 4.7b,4.5s
IDC VIII 31 18 01 55.7–.53 13.26N 50.53E 0 4.6s,4.5
NEIC VIII 31 18 01 56.8–.19 13.21N 50.49E 10 4.8b,4.5
OMAN VIII 31 18 02 00.4–2.1 13.81N 50.29E 17–91 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=14.5.
IDC Error ellipse: s-maj=13.7km s-min=13.0km az=152.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=202.0.
OMAN Error ellipse: s-maj=169.6km s-min=59.8km az=34.0.
ISC VIII 31 18 07 09.9–.43 13.18N–.07 50.40E–.07 15 4.5b 129 6-131
ISCJB VIII 31 18 07 08.3–.31 13.27N–.05 50.37E–.04 15 4.5b **¶601755770**
IDC VIII 31 18 07 08.2–.66 13.27N 50.44E 0 4.3,4.1
NEIC VIII 31 18 07 09.1–.24 13.21N 50.38E 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.5km az=5.5.
IDC Error ellipse: s-maj=16.9km s-min=14.5km az=12.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=187.0.
ISC VIII 31 18 38 55.9–.67 13.19N–.04 50.49E–.04 15–3 5.1b,4.8s 574 5-131
BJI VIII 31 18 38 53.1 13.30N 50.50E 8 5.4b,4.9b **¶601667579**
ISCJB VIII 31 18 38 53.8–1.1 13.19N–.03 50.47E–.02 13–6 5.0b,4.7s
MOS VIII 31 18 38 53.3–1.1 13.17N 50.44E 10 5.3b,4.8s
IDC VIII 31 18 38 54.0–.44 13.22N 50.47E 0 4.7s,4.7
NEIC VIII 31 18 38 55.1–.16 13.24N 50.47E 10 5.3b,4.7
OMAN VIII 31 18 38 57.5–1.7 13.48N 50.57E 10 5.3b,4.7
DSN VIII 31 18 38 58.8–.79 13.59N 50.03E 10 5.1b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=11.8.
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=103.5.
IDC Error ellipse: s-maj=11.5km s-min=10.5km az=16.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=207.0.
OMAN Error ellipse: s-maj=84.5km s-min=31.7km az=321.0.
DSN Error ellipse: s-maj=16.1km s-min=8.0km az=132.0.
ISC VIII 31 19 20 39.3–.76 13.2N–.10 50.31E–.09 15 4.0b 45 6-128
ISCJB VIII 31 19 20 37.5–.59 13.22N–.09 50.35E–.06 15 4.0b,3.7s **¶601755788**
IDC VIII 31 19 20 37.2–1.0 13.26N 50.37E 0 4.2L,3.9
NEIC VIII 31 19 20 38.3–.46 13.17N 50.36E 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.4km az=166.3.
IDC Error ellipse: s-maj=25.4km s-min=18.1km az=8.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=158.0.
ISC IX 04 06 22 05.5–.64 13.2N–.10 50.82E–.07 16 4.2b,4.0s 59 6-131
ISCJB IX 04 06 22 03.6–.43 13.17N–.07 50.90E–.06 16 4.1b,4.0s **¶601839157**
IDC IX 04 06 22 03.2–.69 13.17N 50.93E 0 4.2,4.1
GCMT IX 04 06 22 04.4–.30 13.34N–.02 50.55E–.03 13–1 4.9W,4.1
NEIC IX 04 06 22 04.4–.29 13.13N 50.95E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.8km az=175.0.
IDC Error ellipse: s-maj=18.1km s-min=16.0km az=10.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s68,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.18 $M_{\theta\theta}$1.79±.12; $M_{\phi\phi}$0.31±.12; $M_{r\theta}$0.34±.28; $M_{\theta\phi}$-0.95±.07; $M_{\phi r}$2.17±.42; Best double couple: NP1:ϕ_s150.00000°,δ64.00000°,λ-57.00000°. NP2:ϕ_e274.00000°,δ41.00000°,λ-138.00000°. Principal axes: T 2.4010,Plg13.0000° ,Azm217.0000°; N 1.0960,Plg29.0000°,Azm314.0000°; P -3.4920,Plg57.0000° ,Azm106.0000° M_o2.94600×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=173.0.
ISC IX 30 21 47 53.4–.55 13.37N–.08 50.84E–.07 12 4.1b,3.8s 46 2-127
ISCJB IX 30 21 47 51.5–.41 13.29N–.06 50.87E–.06 12 4.2b,3.8s **¶601857553**
IDC IX 30 21 47 52.0–.79 13.28N 50.98E 0 4.0,3.8
NEIC IX 30 21 47 53.1–.38 13.26N 50.93E 10 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=154.2.
IDC Error ellipse: s-maj=20.5km s-min=17.3km az=121.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=143.0.
ISC X 04 17 17 10.1–1.1 12.5N–.20 48.2E–.10 12 3.7b,3.3s 6 5-91
ISCJB X 04 17 17 08.6–.88 12.5N–.20 48.2E–.10 12 3.7b,3.2s **¶601997053**
IDC X 04 17 17 08.5–1.4 12.53N 48.21E 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.5km s-min=15.8km az=174.5.
IDC Error ellipse: s-maj=40.3km s-min=29.6km az=14.0.
ISC X 24 01 08 49.5–.73 13.3N–.10 50.75E–.07 16 4.1b 35 5-127
ISCJB X 24 01 08 47.6–.47 13.24N–.08 50.69E–.04 16 4.6s,4.2b **¶601999438**
IDC X 24 01 08 47.2–.86 13.21N 50.83E 0 4.7s,4.6
NEIC X 24 01 08 48.5–.41 13.23N 50.84E 10 4.5b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=173.1.
IDC Error ellipse: s-maj=22.8km s-min=19.2km az=168.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.1km az=168.0.
ISC XI 18 03 33 43.5–.98 13.4N–.20 50.85E–.08 16 3.9b 9 5-89
IDC XI 18 03 33 40.8–1.1 13.10N 51.00E 0 4.3L,4.0 **¶602389597**
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=23.4km az=172.0.
ISC XII 24 10 10 32.9–.82 13.00N–.09 48.59E–.06 10 4.1b,3.4s 38 2-90
IDC XII 24 10 10 29.8–1.2 12.66N 48.69E 0 3.9,3.9L **¶602391990**
ISCJB XII 24 10 10 30.2–.62 12.80N–.09 48.53E–.04 10 4.0b,3.5s
NEIC XII 24 10 10 31.2–.52 12.61N 48.66E 10 4.5b,3.5s
DHMR XII 24 10 10 31.8–1.5 13.29N 48.31E 10 3.9L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=18.8km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=5.1km az=172.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.7km az=166.0.
DHMR Error ellipse: s-maj=15.1km s-min=8.7km az=-1.0.

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ISC VII 01 01 02 33.5–1.2 1.1N–.10 91.5E–.10 10 3.7b 18 5-146
IDC VII 01 01 02 29.2–1.5 0.78N 91.56E 0 4.1L,3.8 **¶601663343**
ISCJB VII 01 01 02 31.2–1.1 1.1N–.10 91.46E–.07 10 3.6b,3.8
DJA VII 01 01 02 35.7–4.3 1N–14 92E–35 10 5.5b,5.1b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 05 08 32 43.4–1.6 2.5N–.30 89.1E–.20 10 3.7b 8 10-146
ISCJB VII 05 08 32 41.1–1.5 2.4N–.30 88.9E–.10 10 3.9b **¶601663505**
IDC VII 05 08 32 42.5–1.8 2.55N 89.16E 0 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.8km s-min=12.2km az=23.7.
IDC Error ellipse: s-maj=57.2km s-min=25.1km az=44.0.
ISC VII 07 09 01 52.4–.72 3.09N–.09 86.54E–.08 10 4.2b,4.1s 58 7-152
ISCJB VII 07 09 01 50.0–.54 3.00N–.06 86.57E–.06 10 4.1b,4.0s **¶601556022**
IDC VII 07 09 01 50.6–.68 3.06N 86.56E 0 4.3L,4.1
NEIC VII 07 09 01 52.1–.40 3.05N 86.57E 10 4.4b,4.1
GCMT VII 07 09 01 52.1–.30 3.04N 86.53E 12 4.9W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.3km az=35.6.
IDC Error ellipse: s-maj=23.3km s-min=13.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.9km az=215.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s12,c14; s80,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.24±.08 $M_{\theta\theta}$-2.09±.06; $M_{\phi\phi}$1.85±.07; $M_{r\theta}$-0.64±.19; $M_{\theta\phi}$-0.13±.07; $M_{\phi r}$-1.60±.23; Best double couple: NP1:ϕ_s224.00000° ,δ82.00000°,λ38.00000°. NP2:ϕ_e128.00000°,δ53.00000°,λ169.00000°. Principal axes: T 2.8470,Plg32.0000°,Azm93.0000°; N -0.5110,Plg51.0000°,Azm235.0000° ; P -2.3340,Plg19.0000°,Azm351.0000° M_o2.59000×10^{16}
ISC VII 08 15 27 04.2–2.1 1.7N–.20 89.5E–.40 10 3.4b 7 19-147
ISCJB VII 08 15 27 02.2–1.8 1.7N–.20 89.5E–.30 10 3.4b **¶601664292**
IDC VII 08 15 27 02.7–2.3 1.65N 89.46E 0 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.5km s-min=19.7km az=156.8.
IDC Error ellipse: s-maj=78.0km s-min=23.6km az=62.0.
ISC VII 08 16 34 25.4–.95 2.0N–.20 89.3E–.10 10 4.0b 23 10-146
ISCJB VII 08 16 34 23.4–.70 2.0N–.10 89.5E–.10 10 4.0b,3.3s **¶601404592**
IDC VII 08 16 34 23.8–1.0 1.94N 89.52E 0 3.9b,3.9
NEIC VII 08 16 34 25.1–.55 1.91N 89.49E 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=13.7km az=28.7.
IDC Error ellipse: s-maj=28.4km s-min=22.6km az=17.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.9km az=28.0.
ISC VII 09 09 28 48.6–1.3 1.0N–.20 91.8E–.10 10 3.6b 10 7-146
ISCJB VII 09 09 28 46.6–1.0 1.1N–.10 91.8E–.10 10 3.6b,3.0s **¶601664327**
IDC VII 09 09 28 47.1–1.5 1.02N 91.74E 0 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=13.0km az=29.3.
IDC Error ellipse: s-maj=44.0km s-min=19.7km az=51.0.
IDC VII 11 20 04 30.6–4.7 0.70N 91.17E 0 3.6,3.5
¶601664444
IDC Error ellipse: s-maj=169.7km s-min=32.5km az=56.0.
ISC VII 11 20 23 13.6–1.4 1.3N–.20 91.6E–.20 10 3.9b 9 12-81
ISCJB VII 11 20 23 11.9–1.3 1.3N–.20 91.6E–.10 10 3.8b **¶601664445**
IDC VII 11 20 23 12.3–1.8 1.21N 91.68E 0 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.2km s-min=18.7km az=26.0.
IDC Error ellipse: s-maj=46.0km s-min=29.8km az=45.0.
ISC VII 11 20 27 30.3–2.4 1.7N–.30 91.3E–.10 10 3.9b 10 8-146
IDC VII 11 20 27 25.7–3.0 1.18N 91.62E 0 3.9,3.9b **¶601664446**
ISC Event type ke.
IDC Error ellipse: s-maj=63.4km s-min=44.1km az=162.0.
ISC VII 11 20 50 55.8–1.4 1.3N–.20 91.5E–.20 10 3.6b 9 8-146
ISCJB VII 11 20 50 53.7–1.3 1.3N–.20 91.4E–.10 10 3.6b **¶601664449**
IDC VII 11 20 50 54.8–1.7 1.32N 91.53E 0 3.7,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.7km s-min=18.4km az=24.6.
IDC Error ellipse: s-maj=47.2km s-min=29.0km az=47.0.
ISC VII 13 18 15 38.4–.71 1.24N–.08 91.64E–.06 10 4.1b 60 5-146
ISCJB VII 13 18 15 36.5–.49 1.24N–.06 91.55E–.04 10 4.1b **¶601472661**
IDC VII 13 18 15 37.0–1.1 1.17N 91.43E 0 3.9,3.8
NEIC VII 13 18 15 38.3–.35 1.20N 91.49E 10 4.5b,3.8
DJA VII 13 18 15 44.7–.90 1N–7.0 92E–6.0 10 5.2b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 15 01 25 14.7–2.1 1.7N–.30 90.7E–.10 10 3.8b 12 8-80
ISCJB VII 15 01 25 12.9–1.6 1.7N–.20 90.71E–.10 10 3.8b **¶601468487**
IDC VII 15 01 25 13.3–3.1 1.65N 90.68E 0 4.2L,4.0
NEIC VII 15 01 25 15.1–1.5 1.72N 90.71E 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.6km s-min=13.8km az=1.2.
IDC Error ellipse: s-maj=71.9km s-min=30.5km az=177.0.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=12.3km az=183.0.
ISC VII 15 22 27 24.1–.47 2.39N–.09 89.76E–.07 10 4.2b 69 8-154
ISCJB VII 15 22 27 22.5–.36 2.40N–.06 89.73E–.06 10 4.2b **¶601626166**
IDC VII 15 22 27 22.7–.50 2.40N 89.64E 0 4.2,4.1
NEIC VII 15 22 27 24.2–.24 2.43N 89.69E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.8km az=42.1.
IDC Error ellipse: s-maj=18.4km s-min=13.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=33.0.
IDC VII 17 17 25 24.9–2.1 1.06N 91.99E 0 3.6,3.5L
¶601664731
IDC Error ellipse: s-maj=59.2km s-min=27.7km az=52.0.
IDC VII 18 15 18 26.9–2.3 1.62N 90.04E 0 3.9L,3.7
¶601664790
IDC Error ellipse: s-maj=69.5km s-min=28.5km az=47.0.
ISC VII 20 15 01 25.4–1.1 1.3N–.20 91.5E–.20 10 3.9b,3.2s 12 12-146
ISCJB VII 20 15 01 23.5–.95 1.3N–.10 91.5E–.10 10 3.9b,3.2s **¶601664873**
IDC VII 20 15 01 24.0–1.2 1.31N 91.55E 0 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=14.6km az=38.3.
IDC Error ellipse: s-maj=38.9km s-min=19.4km az=55.0.
IDC VII 24 09 06 43.2–4.4 1.64N 89.20E 0 3.8,3.8
¶601666365
IDC Error ellipse: s-maj=94.5km s-min=54.0km az=14.0.
ISC VII 25 06 13 03.9–.48 1.94N–.06 89.59E–.05 10 4.7b,3.7s 177 7-148
ISCJB VII 25 06 13 01.8–.29 1.92N–.04 89.66E–.03 10 4.6b,3.7s **¶601467955**
IDC VII 25 06 13 02.0–.60 2.00N 89.68E 0 4.5,4.3
BJI VII 25 06 13 02.7 1.90N 89.70E 6 4.8b,4.8b
NEIC VII 25 06 13 03.5–.19 1.98N 89.70E 10 4.9b,4.8b
GCMT VII 25 06 13 03.5–.60 2.03N 89.76E 15–2 4.8W,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.4km az=15.1.
IDC Error ellipse: s-maj=21.6km s-min=14.5km az=40.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=200.0.
GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c20; s68,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.23±.12 $M_{\theta\theta}$-1.29±.10; $M_{\phi\phi}$1.06±.10; $M_{r\theta}$1.03±.43; $M_{\theta\phi}$-1.14±.11; $M_{\phi r}$-1.40±.56; Best double couple: NP1:ϕ_s112.00000°,δ79.00000° ,λ141.00000°. NP2:ϕ_e211.00000°,δ51.00000°,λ14.00000°. Principal axes: T 2.6940,Plg35.0000°,Azm64.0000°; N -0.7990,Plg50.0000°,Azm280.0000° ; P -1.8940,Plg18.0000°,Azm167.0000° M_o2.29400×10^{16}
IDC VII 29 02 08 35.0–1.2 1.78N 89.63E 0 4.0,3.8
¶601666601
IDC Error ellipse: s-maj=52.6km s-min=21.3km az=44.0.
ISC VII 29 21 04 33.3–.88 2.6N–.10 89.70E–.08 10 3.9b 34 8-146
ISCJB VII 29 21 04 31.0–.65 2.57N–.09 89.62E–.06 10 3.9b,3.1s **¶601666644**
IDC VII 29 21 04 32.1–1.7 2.65N 89.59E 0 4.0L,3.9
NEIC VII 29 21 04 33.1–.50 2.57N 89.62E 10 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=7.1km az=23.8.
IDC Error ellipse: s-maj=43.3km s-min=22.3km az=39.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=200.0.
ISC VIII 02 15 25 17.0–.43 1.66N–.06 89.55E–.05 10 4.7b,3.9s 148 7-147
ISCJB VIII 02 15 25 15.4–.29 1.68N–.04 89.58E–.03 10 4.7b,3.9s **¶601513189**
IDC VIII 02 15 25 16.6–.89 1.78N 89.57E 0 4.3,4.2
NEIC VIII 02 15 25 17.4–.27 1.76N 89.54E 10 4.8b,4.2
GCMT VIII 02 15 25 21.4–.40 1.80N–.02 89.66E–.02 20–2 4.8W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s71,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.28±.12 $M_{\theta\theta}$-0.77±.09; $M_{\phi\phi}$0.49±.09; $M_{r\theta}$-0.07±.18; $M_{\theta\phi}$-1.61±.10; $M_{\phi r}$-1.62±.30; Best double couple: NP1:ϕ_s193.00000°,δ84.00000°,λ43.00000°. NP2:ϕ_e97.00000°,δ47.00000°,λ172.00000°. Principal axes: T 2.4530,Plg33.0000° ,Azm64.0000°; N -0.1490,Plg47.0000°,Azm199.0000°; P -2.3050,Plg24.0000° ,Azm317.0000° M_o2.37900×10^{16}
IDC VIII 14 01 33 51.0–2.0 1.83N 89.42E 0 3.8L,3.6
¶601765817
IDC Error ellipse: s-maj=66.5km s-min=28.4km az=51.0.
ISC VIII 28 00 00 32.8–.90 1.1N–.10 91.23E–.09 10 3.9b 29 5-147
DJA VIII 28 00 00 22.9–2.9 1N–13 91E–21 22–28 5.5b,5.1 **¶601628503**
ISCJB VIII 28 00 00 31.5–.69 1.20N–.09 91.43E–.06 10 3.9b,3.8s
IDC VIII 28 00 00 32.3–1.1 1.24N 91.37E 0 4.0,3.8

BJI VIII 28 00 00 35.0 1.30N 91.40E 10 4.6b,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.5km az=21.9.
IDC Error ellipse: s-maj=32.6km s-min=16.9km az=43.0.
ISC IX 03 23 04 07.7–.96 0.7N–.10 91.63E–.09 10 4.4b,3.7s 44 6-147
NEIC IX 03 23 04 08.6–.76 1.01N 91.75E 10 4.4b,3.7s **¶601751118**
IDC IX 03 23 04 08.1–1.2 1.07N 91.80E 0 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=9.6km az=13.0.
IDC Error ellipse: s-maj=32.7km s-min=22.2km az=27.0.
ISC IX 07 19 31 15.1–.40 1.32N–.05 91.88E–.05 10 4.6b,3.6s 208 5-146
KLM IX 07 19 31 11.0 1.60N 90.87E 216 4.7b,3.6s **¶601695790**
BJI IX 07 19 31 12.7 0.93N 91.65E 18 4.9b,4.6b
IDC IX 07 19 31 13.5–.59 1.20N 91.73E 0 4.2,4.1
MOS IX 07 19 31 13.3–1.5 1.36N 91.81E 10 4.7b,4.1
ISCJB IX 07 19 31 13.3–.26 1.25N–.04 91.78E–.03 10 4.5b,3.7s
NEIC IX 07 19 31 14.9–.24 1.27N 91.78E 10 4.6b,3.7s
DJA IX 07 19 31 30.6–.70 2N–4.0 93E–5.0 87–29 5.2b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 10 10 54 26.6–1.2 1.6N–.20 89.0E–.10 10 3.7b 11 10-147
ISCJB IX 10 10 54 25.1–.99 1.6N–.10 89.1E–.10 10 3.8b **¶601863290**
IDC IX 10 10 54 25.9–1.5 1.57N 89.09E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=12.4km az=37.2.
IDC Error ellipse: s-maj=39.4km s-min=19.0km az=53.0.
ISC IX 11 12 35 27.6–.78 2.3N–.10 89.92E–.07 10 4.2b 63 6-146
ISCJB IX 11 12 35 25.6–.56 2.21N–.08 89.83E–.05 10 4.2b,3.3s **¶601851661**
IDC IX 11 12 35 26.1–1.1 2.22N 89.78E 0 4.1,4.0
NEIC IX 11 12 35 27.8–.39 2.27N 89.81E 10 4.4b,4.0
DJA IX 11 12 35 38.5–1.0 2N–10 91E–6.0 10 5.3b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 17 06 25 14.4–3.8 2.99N 88.96E 0 3.8,3.7
¶601863695
IDC Error ellipse: s-maj=137.4km s-min=33.0km az=62.0.
ISC IX 22 21 10 01.4–.75 1.8N–.10 89.71E–.07 10 4.0b,3.4s 29 7-79
ISCJB IX 22 21 09 59.3–.55 1.79N–.07 89.62E–.05 10 4.0b,3.4s **¶601777928**
IDC IX 22 21 09 59.9–1.1 1.83N 89.54E 0 4.0,3.9
NEIC IX 22 21 10 01.4–.37 1.84N 89.57E 10 4.5b,3.9
DJA IX 22 21 10 17.1–1.6 2N–17 91E–40 12–54 5.4b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 30 01 52 26.7–.75 2.54N–.04 89.66E–.04 16–4 4.8b,4.1s 409 6-154
BJI IX 30 01 52 23.7 2.60N 89.70E 10 5.0b,4.8b **¶601767310**
ISCJB IX 30 01 52 23.0–1.1 2.56N–.03 89.65E–.02 4–7 4.7b,4.0s
IDC IX 30 01 52 24.0–.38 2.59N 89.70E 0 4.7,4.6L
MOS IX 30 01 52 24.0–.98 2.64N 89.70E 11 5.0b,4.6L
NEIC IX 30 01 52 25.7–.16 2.61N 89.70E 10 4.9b,4.6L
GCMT IX 30 01 52 27.7–.40 2.59N–.03 89.70E–.02 26–2 4.9W,4.6L
DJA IX 30 01 52 35.0–.40 3N–4.0 90E–3.0 51–4 5.5,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s70,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.17 $M_{\theta\theta}$-1.47±.12; $M_{\phi\phi}$1.01±.10; $M_{r\theta}$-1.13±.26; $M_{\theta\phi}$-1.03±.09; $M_{\phi r}$-2.39±.39; Best double couple: NP1:ϕ_s209.00000°,δ85.00000°,λ59.00000°. NP2: ϕ_s111.00000°,δ31.00000°,λ170.00000°. Principal axes: T 3.1430,Plg42.0000°,Azm90.0000° ; N -0.0370,Plg31.0000°,Azm212.0000°; P -3.1010,Plg33.0000°,Azm325.0000° M_o3.12200×10^{16}
ISC IX 30 20 43 38.3–.64 2.54N–.08 89.92E–.06 10 4.6b 143 6-146
ISCJB IX 30 20 43 33.9–1.9 2.29N–.07 89.91E–.04 1–12 4.6b **¶601775504**
BJI IX 30 20 43 36.2 2.50N 89.90E 10 4.9b,4.6b
MOS IX 30 20 43 36.7–1.0 2.57N 89.93E 12 4.8b,4.6b
IDC IX 30 20 43 36.8–1.1 2.50N 89.87E 0 4.5,4.4b
NEIC IX 30 20 43 38.0–.50 2.50N 89.91E 10 4.7b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.2km az=13.7.
MOS Error ellipse: s-maj=12.9km s-min=7.1km az=115.8.
IDC Error ellipse: s-maj=33.1km s-min=20.3km az=21.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.4km az=193.0.
ISC X 03 19 23 27.5–1.6 1.7N–.20 90.1E–.20 10 3.6b 6 11-52
ISCJB X 03 19 23 25.3–1.5 1.6N–.20 90.0E–.10 10 3.6b **¶601996972**
IDC X 03 19 23 26.2–2.0 1.66N 90.09E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=18.9km az=24.6.
IDC Error ellipse: s-maj=53.4km s-min=27.2km az=50.0.
ISC X 11 14 06 54.0–.76 2.46N–.09 89.79E–.07 10 4.2b,3.5s 65 6-146
ISCJB X 11 14 06 51.3–.55 2.23N–.06 89.77E–.05 10 4.2b,3.6s **¶601826732**
IDC X 11 14 06 51.8–.90 2.30N 89.75E 0 4.3,4.2
NEIC X 11 14 06 53.3–.45 2.34N 89.78E 10 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=24.0.
IDC Error ellipse: s-maj=29.5km s-min=14.1km az=43.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.9km az=217.0.
ISC X 19 08 36 23.8–1.0 1.2N–.10 90.89E–.09 10 4.2b 37 7-147
ISCJB X 19 08 36 22.0–.63 1.10N–.07 90.87E–.06 10 4.1b **¶601861543**
IDC X 19 08 36 22.6–1.3 1.07N 90.80E 0 4.1,4.0
NEIC X 19 08 36 24.6–.74 1.15N 91.04E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.2km az=35.7.
IDC Error ellipse: s-maj=36.8km s-min=18.9km az=43.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.8km az=45.0.
IDC X 23 03 25 08.1–2.7 2.19N 89.58E 0 3.9,3.7b
¶601999334
IDC Error ellipse: s-maj=83.6km s-min=31.4km az=66.0.
IDC X 29 20 33 12.3–1.9 1.42N 89.44E 0 3.7,3.6L
¶602000352
IDC Error ellipse: s-maj=56.8km s-min=24.7km az=52.0.
ISC XI 14 19 38 20.1–1.1 1.7N–.20 89.3E–.10 10 3.7b 21 8-147
ISCJB XI 14 19 38 18.4–.78 1.6N–.10 89.4E–.10 10 3.8b **¶602059955**
IDC XI 14 19 38 18.8–1.2 1.62N 89.40E 0 4.2,4.0s
NEIC XI 14 19 38 20.6–.57 1.62N 89.44E 10 4.7b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=10.8km az=34.8.
IDC Error ellipse: s-maj=36.7km s-min=20.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=8.3km az=213.0.
ISC XI 15 20 08 42.2–1.2 2.2N–.20 89.8E–.10 10 4.0b 18 8-146
ISCJB XI 15 20 08 40.3–.95 2.2N–.10 89.82E–.08 10 4.0b **¶602059959**
IDC XI 15 20 08 41.1–1.6 2.25N 89.73E 0 4.1L,4.0
NEIC XI 15 20 08 42.4–.65 2.23N 89.80E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=10.2km az=23.2.
IDC Error ellipse: s-maj=41.9km s-min=26.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.8km az=203.0.
IDC XI 17 21 48 56.9–1.9 3.20N 89.81E 0 3.9,3.8
¶602389582
IDC Error ellipse: s-maj=49.7km s-min=28.1km az=51.0.
IDC XI 18 22 10 17.6–2.0 1.67N 89.49E 0 3.6,3.5
¶602389631
IDC Error ellipse: s-maj=52.6km s-min=26.6km az=58.0.
IDC XI 23 09 31 16.3–1.6 4.52N 87.88E 0 4.3L,3.7
¶602389872
IDC Error ellipse: s-maj=51.6km s-min=23.3km az=52.0.
IDC XII 02 09 19 25.8–3.1 2.47N 88.73E 0 4.2L,3.8
¶602390340
IDC Error ellipse: s-maj=90.4km s-min=36.3km az=73.0.

ISC XII 02 14 23 08.2–.50 2.47N–.06 89.75E–.05 10 4.4b,4.1s 131 7-146
BJI XII 02 14 23 01.9 1.86N 89.56E 8 5.0b,4.7b **¶601995813**
ISCJB XII 02 14 23 06.2–.34 2.31N–.04 89.80E–.03 10 4.4b,4.1s
IDC XII 02 14 23 07.0–.58 2.41N 89.79E 0 4.2,4.1
NEIC XII 02 14 23 07.4–2.4 2.45N 89.79E 5–15 4.7b,4.1
GCMT XII 02 14 23 09.4–.40 2.45N–.02 89.83E–.02 14–2 4.8W,4.1
DJA XII 02 14 23 17.6–1.1 2N–8.0 91E–7.0 10 5.4,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c9; s70,c96;Duration: 0 Moment tensor: Scale 1016Nm; M_{rr}0.13±.09 $M_{\theta\theta}$0.10±.08; $M_{\phi\phi}$-0.23±.09; $M_{r\theta}$0.21±.20; $M_{\theta\phi}$-1.87±.11; $M_{\phi r}$-0.65±.22; Best double couple: NP1:ϕ_s178.00000°,δ84.00000°,λ19.00000°. NP2: ϕ_s86.00000°,δ71.00000°,λ174.00000°. Principal axes: T 2.0000,Plg18.0000°,Azm44.0000° ; N 0.0000,Plg70.0000°,Azm194.0000°; P -1.9990,Plg9.0000°,Azm311.0000° M_o1.99900×10^{16}
ISC XII 09 23 13 21.6–.41 1.74N–.06 89.62E–.05 10 4.6b,3.7s 150 7-147
BJI XII 09 23 13 15.0 1.11N 89.45E 9 4.8b,4.4b **¶602032406**
ISCJB XII 09 23 13 19.6–.27 1.66N–.04 89.61E–.03 10 4.6b,3.7s
IDC XII 09 23 13 19.9–.55 1.71N 89.60E 0 4.4,4.3b
NEIC XII 09 23 13 21.1–.21 1.65N 89.60E 10 4.8b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=31.6.
IDC Error ellipse: s-maj=20.6km s-min=11.7km az=42.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=30.0.
ISC XII 10 16 46 14.9–1.1 3.0N–.20 89.3E–.10 10 3.7b 9 10-146
ISCJB XII 10 16 46 13.8–1.0 3.0N–.10 89.38E–.09 10 3.8b **¶602390995**
IDC XII 10 16 46 13.6–1.1 2.99N 89.21E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=11.6km az=16.2.
IDC Error ellipse: s-maj=30.1km s-min=25.3km az=83.0.
ISC XII 15 21 17 29.4–1.1 4.2N–.20 89.8E–.10 10 4.0b 13 9-78
ISCJB XII 15 21 17 27.1–.97 4.1N–.10 89.76E–.09 10 3.9b **¶602340346**
IDC XII 15 21 17 27.1–1.6 4.11N 89.89E 0 3.9,3.8
NEIC XII 15 21 17 29.4–.88 4.20N 89.78E 10 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=12.4km az=15.1.
IDC Error ellipse: s-maj=39.0km s-min=28.7km az=24.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=11.6km az=196.0.
ISC XII 18 06 06 06.0–1.1 2.0N–.20 89.5E–.20 10 3.9b 9 10-146
ISCJB XII 18 06 06 03.6–.93 2.0N–.10 89.5E–.10 10 3.8b **¶602391590**
IDC XII 18 06 06 04.3–1.4 2.02N 89.51E 0 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=13.8km az=136.6.
IDC Error ellipse: s-maj=50.0km s-min=18.7km az=59.0.
ISC XII 18 21 19 45.3–.82 1.21N–.09 91.88E–.07 10 4.0b,3.0s 42 5-146
ISCJB XII 18 21 19 43.9–.67 1.24N–.09 91.81E–.06 10 3.9b,3.1s **¶602051966**
IDC XII 18 21 19 44.3–1.2 1.24N 91.70E 0 4.1,3.9
NEIC XII 18 21 19 45.6–.50 1.24N 91.71E 10 4.2b,3.9
DJA XII 18 21 19 54.5–.90 1N–6.0 92E–6.0 20 5.1b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 19 02 56 06.1–1.7 1.38N 91.12E 0 4.3L,3.9
¶602391649
IDC Error ellipse: s-maj=56.1km s-min=25.3km az=47.0.
ISC XII 26 20 42 32.2–1.4 1.3N–.20 89.5E–.20 10 3.5b 15 11-147
ISCJB XII 26 20 42 30.2–1.1 1.2N–.10 89.5E–.10 10 3.5b **¶602380662**
IDC XII 26 20 42 31.1–1.6 1.34N 89.53E 0 3.7L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.6km s-min=14.0km az=135.4.
IDC Error ellipse: s-maj=52.1km s-min=21.2km az=56.0.
ISC XII 28 15 04 39.8–.59 1.75N–.07 89.42E–.05 10 4.5b,3.9s 123 7-147
BJI XII 28 15 04 34.5 1.24N 89.49E 10 5.0b,4.7s **¶602064202**
ISCJB XII 28 15 04 38.1–.42 1.72N–.05 89.59E–.03 10 4.4b,3.9s
IDC XII 28 15 04 38.6–.75 1.80N 89.58E 0 4.3,4.2
NEIC XII 28 15 04 39.9–.43 1.72N 89.59E 10 4.6b,4.2
DJA XII 28 15 04 52.1–2.1 2N–8.0 90E–15 51–14 5.4b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(421) Carlsberg Ridge.
IDC VII 08 07 16 54.0–1.1 9.73N 57.10E 0 4.0,3.8b
¶601664278
IDC Error ellipse: s-maj=29.8km s-min=20.9km az=21.0.
ISC VII 21 16 42 18.6–.55 3.0N–.10 65.49E–.09 10 4.3b,3.9s 51 11-146
ISCJB VII 21 16 42 16.9–.41 3.02N–.07 65.41E–.06 10 4.3b,3.9s **¶601456441**
IDC VII 21 16 42 17.0–.48 3.02N 65.54E 0 4.4,4.3
BJI VII 21 16 42 17.0 3.00N 65.50E 10 5.0b,4.6b
NEIC VII 21 16 42 18.3–.38 3.03N 65.55E 10 4.3b,4.6b
GCMT VII 21 16 42 18.3–.30 2.99N 65.40E 12 4.8W,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.3km az=148.7.
IDC Error ellipse: s-maj=14.0km s-min=13.0km az=122.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=147.0.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s22,c24; s76,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.07 $M_{\theta\theta}$1.54±.05; $M_{\phi\phi}$0.08±.07; $M_{r\theta}$0.71±.23; $M_{\theta\phi}$-0.54±.06; $M_{\phi r}$0.31±.28; Best double couple: NP1:ϕ_s272.00000°,δ57.00000° ,λ-109.00000°. NP2:ϕ_s124.00000°,δ38.00000°,λ-64.00000°. Principal axes: T 1.8190,Plg10.0000°,Azm16.0000°; N 0.0500,Plg15.0000°,Azm283.0000° ; P -1.8650,Plg72.0000°,Azm137.0000° M_o1.84200×10^{16}
IDC VII 22 00 56 39.4–1.6 3.22N 65.78E 0 3.9,3.7b
¶601664937
IDC Error ellipse: s-maj=51.9km s-min=22.5km az=59.0.
ISC VII 23 20 57 37.0–.61 9.9N–.10 57.21E–.08 13 4.3b,3.8s 60 13-126
ISCJB VII 23 20 57 34.6–.53 9.79N–.09 57.14E–.07 13 4.2b,3.8s **¶601462443**
IDC VII 23 20 57 34.4–.62 9.81N 57.13E 0 4.2,4.2L
NEIC VII 23 20 57 35.9–.41 9.79N 57.14E 10 4.0b,4.2L
GCMT VII 23 20 57 35.9–.40 10.09N 56.92E 24–1 4.9W,4.2L
CSEM VII 23 20 57 36.3–.26 9.82N 57.15E 10 4.6b,4.2L
BJI VII 23 20 57 39.0 10.30N 56.70E 33 5.1b,4.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=9.0km az=17.5.
IDC Error ellipse: s-maj=16.9km s-min=14.0km az=24.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.8km az=196.0.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s15,c17; s65,c83; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.21 $M_{\theta\theta}$1.57±.13; $M_{\phi\phi}$0.99±.13; $M_{r\theta}$1.14±.13; $M_{\theta\phi}$-0.53±.06; $M_{\phi r}$0.42±.16; Best double couple: NP1:ϕ_s282.00000°,δ57.00000° ,λ-105.00000°. NP2:ϕ_s129.00000°,δ36.00000°,λ-68.00000°. Principal axes: T 2.0370,Plg11.0000°,Azm23.0000°; N 0.8980,Plg13.0000°,Azm291.0000° ; P -2.9280,Plg73.0000°,Azm152.0000° M_o2.48300×10^{16}
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=8.9km az=18.0.
ISC VIII 02 04 28 07.2–.42 9.98N–.07 57.21E–.06 17 4.4b,4.1s 133 13-137
IDC VIII 02 04 28 04.7–.44 9.95N 57.29E 0 4.3,4.2 **¶601503300**
GCMT VIII 02 04 28 04.0–.20 9.89N–.01 57.04E–.02 12 4.9W,4.2
ISCJB VIII 02 04 28 05.4–.28 9.96N–.04 57.21E–.04 17 4.4b,4.1s
NEIC VIII 02 04 28 06.0–.23 9.92N 57.24E 10 4.6b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=10.9km az=120.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c40; s101,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.04±.07 $M_{\theta\theta}$2.87±.06; $M_{\phi\phi}$0.17±.08; $M_{r\theta}$0.88±.23; $M_{\theta\phi}$-0.56±.06; $M_{\phi r}$1.03±.30; Best double couple: NP1:ϕ_s263.00000°,δ54.00000°,λ-112.00000°. NP2:ϕ_s118.00000°,δ41.00000°,λ-62.00000°. Principal axes: T 3.0580,Plg7.0000° ,Azm9.0000°; N 0.4440,Plg18.0000°,Azm276.0000°; P -3.4990,Plg71.0000°,Azm118.0000° M_o3.27800×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=164.0.

NEIC Event type se. Error ellipse: s-maj=5.5km s-min=5.1km az=160.0.
ISC VIII 06 12 24 16.6–1.9 2.0S–.30 67.7E–.30 10 3.9b 12 5-152
ISCJB VIII 06 12 24 13.4–1.8 2.2S–.20 67.6E–.30 10 3.8b **¶601765555**
IDC VIII 06 12 24 15.3–1.6 2.02S 67.79E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.6km s-min=19.8km az=144.0.
IDC Error ellipse: s-maj=49.6km s-min=21.9km az=56.0.
ISC VIII 15 22 12 52.3–3.2 9.90N–.08 57.14E–.06 35–15 4.5b,3.6s 169 13-137
BJI VIII 15 22 12 45.4 9.70N 57.20E 4 4.9b,4.7b **¶601564022**
IDC VIII 15 22 12 46.5–.45 9.81N 57.18E 0 4.4,4.3
MOS VIII 15 22 12 46.3–1.2 9.81N 57.06E 10 4.6b,4.3
NEIC VIII 15 22 12 47.9–.30 9.78N 57.17E 10 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=11.4km az=16.0.
MOS Error ellipse: s-maj=9.8km s-min=6.2km az=91.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=4.0.
ISC VIII 18 05 43 30.6–.56 5.39N–.09 61.7E–.10 14 4.2b,3.6s 56 12-143
IDC VIII 18 05 43 28.9–.65 5.46N 61.69E 0 4.2,4.0b **¶601685251**
ISCJB VIII 18 05 43 29.2–.43 5.47N–.07 61.71E–.07 14 4.2b,3.6s
NEIC VIII 18 05 43 30.1–.28 5.39N 61.68E 10 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=16.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=9.1km az=28.7.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.9km az=68.0.
IDC VIII 18 06 36 37.8–1.4 5.85N 61.92E 0 3.9,3.7b
¶601766033
IDC Error ellipse: s-maj=61.1km s-min=23.5km az=43.0.
ISC VIII 28 11 13 10.7–.71 2.0N–.10 66.9E–.10 10 4.2b,3.6s 38 9-148
ISCJB VIII 28 11 13 08.9–.50 2.00N–.10 66.87E–.08 10 4.1b,3.6s **¶601755512**
IDC VIII 28 11 13 09.3–.70 2.00N 66.85E 0 4.3,4.3L
NEIC VIII 28 11 13 10.6–.31 1.96N 66.86E 10 4.3b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=11.5km az=16.2.
IDC Error ellipse: s-maj=21.8km s-min=19.1km az=40.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.9km az=196.0.
ISC IX 01 13 14 34.0–1.0 9.5N–.20 58.2E–.20 17 3.7b,3.3s 9 20-127
IDC IX 01 13 14 31.2–.91 9.44N 58.17E 0 3.8,3.7b **¶601862721**
ISCJB IX 01 13 14 32.4–.81 9.5N–.20 58.2E–.10 17 3.7b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 27 14 14 55.4–.91 2.77S 68.07E 0 4.2,4.0b
¶601864285
IDC Error ellipse: s-maj=29.8km s-min=18.4km az=30.0.
IDC IX 27 14 20 27.5–5.5 3.06S 67.98E 0 3.9,3.7
¶601864286
IDC Error ellipse: s-maj=141.3km s-min=38.8km az=80.0.
ISC IX 27 14 28 24.5–1.0 2.8S–.20 68.0E–.20 11 4.0b,3.6s 13 5-88
ISCJB IX 27 14 28 22.7–.87 2.7S–.10 68.1E–.20 11 3.9b,3.7s **¶601864287**
IDC IX 27 14 28 22.6–.97 2.82S 68.04E 0 4.0,3.9b
ISC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=17.2km az=143.7.
IDC Error ellipse: s-maj=29.9km s-min=18.4km az=51.0.
ISC IX 27 16 01 54.3–.45 2.76S–.08 68.10E–.07 11 4.6b,3.6s 83 5-152
BJI IX 27 16 01 47.9 3.27S 67.74E 10 5.0b,4.4 **¶601751833**
ISCJB IX 27 16 01 52.2–.31 2.75S–.05 68.06E–.05 11 4.5b,3.6s
IDC IX 27 16 01 52.6–.67 2.75S 68.06E 0 4.2,4.0
NEIC IX 27 16 01 53.9–.25 2.76S 68.05E 10 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.5km az=21.8.
IDC Error ellipse: s-maj=21.3km s-min=16.9km az=26.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=200.0.
IDC IX 27 17 42 27.4–1.4 2.93S 67.89E 0 3.9s,3.9
¶601864293
IDC Error ellipse: s-maj=41.6km s-min=24.2km az=53.0.
IDC IX 27 17 43 09.6–1.6 2.78S 67.99E 0 4.0,3.8
¶601864296
IDC Error ellipse: s-maj=47.7km s-min=27.5km az=53.0.
IDC IX 27 17 44 03.5–3.4 2.91S 68.90E 0 3.9,3.7
¶601864300
IDC Error ellipse: s-maj=93.0km s-min=28.9km az=67.0.
ISC IX 27 17 56 19.8–.82 3.7S–.20 67.9E–.10 15 4.0b,3.4s 15 4-145
ISCJB IX 27 17 56 18.0–.62 3.7S–.10 67.9E–.10 15 3.9b,3.4s **¶601845969**
IDC IX 27 17 56 17.4–.77 3.74S 67.94E 0 4.1,3.9b
NEIC IX 27 17 56 19.1–.43 3.72S 67.91E 10 4.2b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=15.2km az=151.3.
IDC Error ellipse: s-maj=22.6km s-min=19.4km az=158.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.9km az=153.0.
IDC X 03 19 18 22.1–1.0 8.42N 59.36E 0 3.8,3.6b
¶601996971
IDC Error ellipse: s-maj=39.1km s-min=24.9km az=8.0.
ISC X 10 21 47 54.8–1.1 9.5N–.20 57.9E–.20 17 3.7b,3.3s 11 14-127
IDC X 10 21 47 51.9–1.1 9.46N 57.95E 0 3.8,3.7 **¶601997805**
ISCJB X 10 21 47 53.2–.91 9.6N–.10 57.9E–.10 17 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC X 22 12 48 53.2–1.4 5.21N 61.46E 0 4.0,3.8s
¶601999274
IDC Error ellipse: s-maj=63.7km s-min=23.9km az=33.0.
IDC X 22 12 56 30.7–1.4 5.17N 61.29E 0 4.1,3.8
¶601999276
IDC Error ellipse: s-maj=67.7km s-min=31.2km az=27.0.
ISC X 23 22 48 11.1–1.1 1.0S–.20 67.7E–.20 15 3.6s,3.6b 7 6-151
IDC X 23 22 48 08.9–1.1 0.94S 67.69E 0 4.0,3.8 **¶601999425**
ISCJB X 23 22 48 09.4–1.0 0.9S–.20 67.7E–.20 15 3.7s,3.7b
ISC Event type ke.
ISCJB Event type ke.
IDC X 23 22 50 28.9–2.9 1.09S 67.60E 0 3.7,3.5
¶601999427
IDC Error ellipse: s-maj=99.9km s-min=57.2km az=59.0.
ISC X 23 22 55 36.4–.84 1.0S–.20 67.6E–.20 15 4.2s,3.8b 12 6-151
IDC X 23 22 55 34.0–.85 0.96S 67.56E 0 4.2s,4.2 **¶601999428**
ISCJB X 23 22 55 34.9–.74 0.9S–.10 67.6E–.10 15 4.2s,3.9b
GCMT X 23 22 55 36.0–.20 1.05S–.02 67.53E–.02 12 5.0W,3.9b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s39,c49; s104,c163;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.42±.08 $M_{\theta\theta}$2.43±.08; $M_{\phi\phi}$0.98±.08; $M_{r\theta}$0.60±.26; $M_{\theta\phi}$-1.64±.07; $M_{\phi r}$-1.45±.30; Best double couple: NP1: ϕ_s316.00000°,δ57.00000°,λ-75.00000°. NP2:ϕ_s110.00000°,δ36.00000°,λ-111.00000°. Principal axes: T 3.7420,Plg11.0000°,Azm36.0000°; N 0.1130,Plg12.0000°,Azm128.0000° ; P -3.8560,Plg74.0000°,Azm266.0000° $M_0$3.77900×10^{16}
ISC X 23 22 58 21.3–.72 0.9S–.20 67.5E–.10 15 4.0b 17 6-150
IDC X 23 22 58 18.9–.69 0.87S 67.55E 0 5.0s,5.0 **¶601874204**
ISCJB X 23 22 58 19.6–.61 0.8S–.10 67.6E–.10 15 5.0s,4.0b
NEIC X 23 22 58 20.5–.48 0.86S 67.55E 10 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=17.7km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=14.6km az=175.8.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.2km az=173.0.
ISC X 27 09 32 31.0–.46 9.83N–.05 57.11E–.04 15–2 5.1b,4.2s 629 8-153
GCMT X 27 09 32 27.2–.20 9.81N–.02 57.00E–.02 12 5.0W,4.2s **¶601852904**
IDC X 27 09 32 28.0–.35 9.76N 57.20E 0 4.8,4.7
BJI X 27 09 32 28.0 9.90N 57.10E 6 5.1b,5.1b
MOS X 27 09 32 28.7–1.1 9.91N 57.05E 10 5.3b,5.1b
ISCJB X 27 09 32 29.7–.16 9.87N–.03 57.01E–.02 18 5.0b,4.2s
NEIC X 27 09 32 30.2–.18 9.82N 57.09E 10 5.2b,4.2s
DSN X 27 09 32 31.9–1.3 10.10N 56.87E 10 5.5b,4.3s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c45; s99,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.07 $M_{\theta\theta}$2.20±.07; $M_{\phi\phi}$0.78±.08; $M_{r\theta}$1.99±.24; $M_{\theta\phi}$-1.08±.06; $M_{\phi r}$-0.59±.28; Best double couple: NP1:ϕ_s292.00000°,δ63.00000°,λ-96.00000°. NP2:ϕ_s124.00000°,δ28.00000°,λ-79.00000°. Principal axes: T 3.4310,Plg18.0000° ,Azm26.0000°; N 0.2410,Plg5.0000°,Azm294.0000°; P -3.6750,Plg72.0000°,Azm189.0000° $M_0$3.55300×10^{16}
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=142.0.
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=109.4.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=24.9.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=209.0.
DSN Error ellipse: s-maj=24.6km s-min=9.1km az=116.0.
IDC X 30 06 59 51.1–1.7 1.65N 67.20E 0 4.2,4.0
¶602000445
IDC Error ellipse: s-maj=77.5km s-min=21.2km az=50.0.
IDC X 30 07 14 48.2–1.9 1.60N 67.08E 0 4.2,4.0
¶602000446
IDC Error ellipse: s-maj=82.4km s-min=30.2km az=47.0.
IDC X 30 07 50 32.3–2.3 1.69N 67.18E 0 4.1,4.0
¶602000450
IDC Error ellipse: s-maj=103.2km s-min=28.2km az=53.0.
ISC X 30 19 30 59.4–.99 5.5N–.20 61.7E–.10 14 3.8b,3.3s 22 15-76
ISCJB X 30 19 30 57.8–.65 5.6N–.10 61.7E–.10 14 3.9b,3.3s **¶602000522**
IDC X 30 19 30 57.7–1.1 5.52N 61.78E 0 4.0,3.8b
NEIC X 30 19 30 58.6–.63 5.51N 61.61E 10 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=13.9km az=138.3.
IDC Error ellipse: s-maj=29.2km s-min=27.0km az=130.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=13.8km az=49.0.
IDC X 30 20 06 47.1–3.1 1.74N 67.40E 0 3.8,3.6
¶602000527
IDC Error ellipse: s-maj=122.6km s-min=36.8km az=59.0.
ISC XI 06 06 17 28.6–.51 9.97N–.04 57.18E–.03 15–2 5.6b,5.3s 1279 12-163
BJI XI 06 06 17 19.2 9.37N 56.65E 10 5.8b,5.5s **¶601874910**
IDC XI 06 06 17 25.9–.31 9.95N 57.26E 0 5.1,5.1s
GCMT XI 06 06 17 25.8–.10 9.92N 57.04E 12 5.6W,5.1s
ISCJB XI 06 06 17 25.9–.50 9.97N–.02 57.17E–.01 9–3 5.5b,5.2s
MOS XI 06 06 17 26.0–1.1 10.00N 57.15E 10 5.8b,5.2s
NEIC XI 06 06 17 27.8–.11 9.96N 57.20E 10 5.7b,5.6W
OMAN XI 06 06 17 27.8–3.5 10.02N 57.21E 10 5.7b,5.6W
NEIC XI 06 06 17 28.0–.00 9.70N 57.19E 11 5.7b,5.6W
DSN XI 06 06 17 28.2–.60 10.16N 57.13E 10 6.0b,5.5s
ISC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=8.4km az=75.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c199; s144,c416; Duration: 196 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.16±.03 $M_{\theta\theta}$3.07±.02; $M_{\phi\phi}$0.09±.03; $M_{r\theta}$1.51±.07; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.27±.07; Best double couple: NP1:ϕ_s272.00000°,δ58.00000° ,λ-99.00000°. NP2:ϕ_s109.00000°,δ33.00000°,λ-76.00000°. Principal axes: T 3.4880,Plg12.0000°,Azm8.0000°; N 0.0640,Plg8.0000°,Azm277.0000° ; P -3.5480,Plg75.0000°,Azm155.0000° $M_0$3.51800×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=14.4.
MOS Error ellipse: s-maj=5.9km s-min=2.8km az=115.6.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=209.0. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.96 $M_{\theta\theta}$2.04 $M_{\phi\phi}$-0.08 $M_{r\theta}$1.74 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s116.00000°,δ28.00000°,λ-57.00000°. NP2:ϕ_s260.00000° ,δ67.00000°,λ-106.00000°. Principal axes: T 2.6900,Plg20.0000°,Azm1.0000° ; N 0.1200,Plg15.0000°,Azm266.0000°; P -2.8100,Plg65.0000°,Azm143.0000° $M_0$2.80000×10^{17}
OMAN Error ellipse: s-maj=83.3km s-min=44.4km az=68.0.
NEIC Event type se. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.72 $M_{\theta\theta}$2.47 $M_{\phi\phi}$0.25 $M_{r\theta}$1.95 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.02 Best double couple: NP1:ϕ_s273.00000° ,δ63.00000°,λ-92.00000°. NP2:ϕ_s98.00000°,δ27.00000°,λ-85.00000°. Principal axes: T 3.1400,Plg18.0000°,Azm4.0000°; N 0.2300,Plg2.0000°,Azm273.0000° ; P -3.3700,Plg71.0000°,Azm177.0000° $M_0$3.30000×10^{17}
DSN Error ellipse: s-maj=11.6km s-min=7.0km az=104.0.
IDC XI 06 06 21 32.9–2.1 9.96N 57.27E 0 4.2,4.1
¶602388904
IDC Error ellipse: s-maj=56.1km s-min=23.1km az=174.0.
IDC XI 21 16 03 44.4–1.6 3.10N 65.47E 0 3.7,3.6b
¶602389795
IDC Error ellipse: s-maj=44.6km s-min=25.3km az=51.0.
ISC XI 23 00 37 42.4–.74 10.2N–.10 57.7E–.10 10 4.2b 18 18-126
ISCJB XI 23 00 37 40.7–.64 10.22N–.10 57.6E–.10 10 4.1b,3.2s **¶601993832**
IDC XI 23 00 37 40.6–1.1 10.24N 57.63E 0 4.0,3.9b
NEIC XI 23 00 37 42.3–.55 10.29N 57.61E 10 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=12.3km az=31.4.
IDC Error ellipse: s-maj=39.0km s-min=19.3km az=148.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.7km az=130.0.
ISC XII 02 11 24 28.8–2.0 3.5S–.30 67.7E–.40 10 3.8b 10 4-153
ISCJB XII 02 11 24 26.4–2.3 3.5S–.30 67.7E–.50 10 3.7b **¶602390350**
IDC XII 02 11 24 27.5–1.9 3.42S 67.67E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=76.9km s-min=11.5km az=147.6.
IDC Error ellipse: s-maj=65.9km s-min=25.1km az=56.0.
ISC XII 05 22 09 33.7–1.0 2.3S–.20 68.8E–.20 10 3.8b,3.3s 12 5-152
ISCJB XII 05 22 09 31.1–.85 2.3S–.10 68.6E–.10 10 3.8b,3.3s **¶602390521**
IDC XII 05 22 09 31.6–1.1 2.37S 68.56E 0 4.3L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=17.3km az=37.3.
IDC Error ellipse: s-maj=31.1km s-min=25.2km az=99.0.
IDC XII 14 04 02 09.1–2.5 1.91N 67.41E 0 3.8,3.6
¶602391298
IDC Error ellipse: s-maj=83.9km s-min=31.2km az=66.0.
ISC XII 21 04 30 34.3–2.3 4.4N–.30 64.3E–.40 10 3.8b 10 37-145
ISCJB XII 21 04 30 32.3–4.3 4.4N–.20 64.3E–.80 10 3.8b **¶602374088**
IDC XII 21 04 30 33.2–2.9 4.40N 64.38E 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=110.5km s-min=33.8km az=179.3.
IDC Error ellipse: s-maj=74.2km s-min=44.8km az=86.0.
ISC XII 21 04 30 45.4–1.2 3.7N–.20 64.0E–.10 10 4.4b 21 12-145
NEIC XII 21 04 30 38.0–.62 2.62N 64.26E 10 4.5b **¶602391775**
IDC XII 21 04 30 42.7–1.8 3.71N 63.71E 0 4.3,4.2
GCMT XII 21 04 30 43.0–.20 3.65N–.01 63.88E–.02 12 5.0W,4.2
ISCJB XII 21 04 30 44.1–.95 3.9N–.20 64.1E–.10 10 4.3b,4.1s
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c35; s100,c148;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.08 $M_{\theta\theta}$2.91±.08; $M_{\phi\phi}$0.46±.09; $M_{r\theta}$1.52±.29; $M_{\theta\phi}$-1.10±.07; $M_{\phi r}$0.34±.36; Best double couple: NP1:ϕ_s278.00000°,δ57.00000°,λ-104.00000°. NP2:ϕ_s123.00000°,δ36.00000°,λ-70.00000°. Principal axes: T 3.5810,Plg11.0000° ,Azm18.0000°; N 0.2210,Plg12.0000°,Azm286.0000°; P -3.8000,Plg74.0000°,Azm150.0000° $M_0$3.69100×10^{16}
ISCJB Event type se.
IDC XII 21 04 33 18.4–2.5 3.77N 64.10E 0 3.8,3.6
¶602391777
IDC Error ellipse: s-maj=90.4km s-min=30.9km az=67.0.
IDC XII 21 06 03 40.4–9.3 2.65N 63.58E 0 3.9,3.6
¶602391784
IDC Error ellipse: s-maj=837.6km s-min=50.0km az=39.0.
IDC XII 21 06 11 04.5–9.8 2.99N 64.56E 0 4.0,3.7
¶602391785
IDC Error ellipse: s-maj=852.1km s-min=49.8km az=40.0.
ISC XII 31 21 40 08.2–1.5 1.5N–.30 66.7E–.20 18 4.0b,3.5s 8 9-148
IDC XII 31 21 40 05.3–1.4 1.44N 66.71E 0 4.0,3.8 **¶602380516**
ISCJB XII 31 21 40 06.0–1.4 1.5N–.20 66.7E–.20 18 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.

(423) Laccadive Sea.

ISC	**VII**	**06 14 18 28.4–.60**	**5.19N–.09**	**77.10E–.08**	**10**	**4.3b,3.2s**	**59**	**4-146**
ISCJB	VII	06 14 18 26.3–.50	5.15N–.08	77.00E–.07	10	4.2b,3.2s		**¶601468480**
MOS	VII	06 14 18 26.1–1.3	5.11N	76.95E	10	4.5b,3.2s		
IDC	VII	06 14 18 26.8–.59	5.12N	77.01E	0	4.3L,4.2		
NEIC	VII	06 14 18 28.4–.44	5.14N	77.02E	10	4.2b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.6km az=35.2.
MOS Error ellipse: s-maj=12.4km s-min=8.5km az=92.7.
IDC Error ellipse: s-maj=19.7km s-min=13.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=209.0.

(425) South Indian Ocean.

ISC	**VII**	**01 08 34 13.5–.90**	**3.4S–.20**	**89.5E–.20**	**10**	**4.0b,3.4s**	**17**	**14-151**
IDC	VII	01 08 34 12.1–.77	3.43S	89.66E	0	4.0,3.9b		**¶601663350**

ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=17.1km az=55.0.

ISC	**VII**	**01 10 19 59.6–.99**	**3.5S–.20**	**89.4E–.20**	**10**	**3.7b**	**10**	**14-151**
ISCJB	VII	01 10 19 57.7–.91	3.5S–.20	89.3E–.20	10	3.7b,2.8s		**¶601663355**
IDC	VII	01 10 19 58.3–1.0	3.49S	89.46E	0	4.1L,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.5km s-min=14.1km az=142.3.
IDC Error ellipse: s-maj=41.5km s-min=18.9km az=56.0.

ISC	**VII**	**05 01 23 03.4–.39**	**36.73S–.08**	**53.3E–.10**	**7**	**4.4b,3.5s**	**105**	**18-171**
ISCJB	VII	05 01 23 01.6–.28	36.70S–.06	53.35E–.08	7	4.4b,3.5s		**¶601562080**
IDC	VII	05 01 23 02.1–.44	36.64S	53.32E	0	4.4,4.3		
NEIC	VII	05 01 23 03.7–.18	36.70S	53.30E	10	4.6b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=8.4km az=164.3.
IDC Error ellipse: s-maj=15.7km s-min=13.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.4km az=58.0.

ISC	**VIII**	**01 11 18 34.4–.83**	**29.5S–.20**	**99.4E–.10**	**10**	**4.1b**	**13**	**16-153**
ISCJB	VIII	01 11 18 32.6–.73	29.5S–.10	99.4E–.10	10	4.0b		**¶601765310**
IDC	VIII	01 11 18 32.8–.74	29.52S	99.39E	0	4.2,4.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=14.7km az=24.6.
IDC Error ellipse: s-maj=23.9km s-min=20.4km az=18.0.

IDC	**VIII**	**16 06 07 01.8–10**	**28.49S**	**78.24E**	**0**	**4.2,4.0**		
								¶601765920

IDC Error ellipse: s-maj=350.9km s-min=39.2km az=43.0.

ISC	**VIII**	**21 17 39 39.0–.45**	**0.11S–.03**	**91.98E–.03**	**19–1**	**5.3s,5.3b**	**983**	**5-154**
BJI	VIII	21 17 39 31.9	0.65S	91.74E	10	5.7s,5.5		**¶601606013**
ISCJB	VIII	21 17 39 35.4–.60	0.11S–.02	92.04E–.02	5–3	5.3s,5.3b		
IDC	VIII	21 17 39 36.2–.31	0.12S	92.05E	0	5.2,5.2		
GCMT	VIII	21 17 39 38.0–.10	0.19S–.01	92.06E–.01	12	5.6W,5.2		
KLM	VIII	21 17 39 38.0	0.18S	92.08E	6	5.8b,5.2		
NEIC	VIII	21 17 39 38.0–2.0	0.17S	92.06E	15–12	5.6W,5.5s		
MOS	VIII	21 17 39 39.7–1.1	0.05S	92.07E	33	5.5b,5.2s		
DJA	VIII	21 17 39 40.4–.70	0N–2.0	92E–2.0	20–5	5.7b,5.6		

ISC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c165; s131,c342; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$0.91±.03; $M_{r\theta}$-0.39±.07; $M_{\theta\phi}$-2.59±.02; $M_{\phi r}$-1.53±.07; Best double couple: NP1:ϕ_s7.00000°,δ86.00000° ,λ-30.00000°. NP2:ϕ_s100.00000°,δ60.00000°,λ-175.00000°. Principal axes: T 3.1470,Plg18.0000°,Azm58.0000°; N -0.0050,Plg59.0000°,Azm180.0000° ; P -3.1420,Plg24.0000°,Azm319.0000° $M_0$3.14500×10^{17}

ISC	**VIII**	**21 17 51 37.3–.30**	**0.15S–.05**	**92.00E–.05**	**10**	**4.8b**	**374**	**5-154**
BJI	VIII	21 17 51 30.5	0.80S	91.91E	6	5.3b,5.3s		**¶601606014**
ISCJB	VIII	21 17 51 35.5–.18	0.15S–.03	92.03E–.02	10	5.0s,4.7b		
NEIC	VIII	21 17 51 36.9–.19	0.18S	92.01E	10	5.1b,4.7b		
IDC	VIII	21 17 51 36.1–.40	0.14S	92.03E	0	4.7L,4.6s		
GCMT	VIII	21 17 51 38.9–.20	0.14S–.01	92.05E–.01	12	5.1W,4.6s		
MOS	VIII	21 17 51 38.2–1.2	0.09S	92.09E	29	5.0b,4.6s		
DJA	VIII	21 17 51 53.5–.90	0N–3.0	93E–4.0	18–7	5.1,5.1		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s4,c5; s96,c161;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.11 $M_{\theta\theta}$-1.63±.09; $M_{\phi\phi}$1.78±.10; $M_{r\theta}$-0.48±.30; $M_{\theta\phi}$-3.98±.08; $M_{\phi r}$-3.42±.31; Best double couple: NP1:ϕ_s11.00000°,δ90.00000°,λ-39.00000°. NP2:ϕ_s101.00000°,δ51.00000°,λ-180.00000°. Principal axes: T 5.6710,Plg26.0000° ,Azm63.0000°; N -0.2750,Plg51.0000°,Azm191.0000°; P -5.4000,Plg26.0000° ,Azm319.0000° $M_0$5.53500×10^{16}

IDC	**VIII**	**21 18 00 57.4–2.1**	**0.38S**	**91.91E**	**0**	**3.9,3.8**		
								¶601766264

IDC Error ellipse: s-maj=49.4km s-min=27.3km az=43.0.

ISC	**VIII**	**26 06 31 31.0–.73**	**13.99S–.09**	**102.1E–.10**	**10**	**4.1b,3.3s**	**24**	**9-152**
ISCJB	VIII	26 06 31 28.7–.64	14.04S–.09	102.0E–.10	10	4.0b,3.2s		**¶601766489**
IDC	VIII	26 06 31 28.9–.73	14.11S	101.93E	0	4.7L,4.1		
NEIC	VIII	26 06 31 30.4–.49	14.11S	101.99E	10	4.4b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=10.2km az=141.4.
IDC Error ellipse: s-maj=24.5km s-min=14.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.4km az=51.0.

ISC	**IX**	**03 07 54 13.3–.51**	**21.12S–.10**	**97.7E–.10**	**10**	**4.5b**	**106**	**20-159**
ISCJB	IX	03 07 54 11.3–.39	21.17S–.07	97.61E–.08	10	4.4b		**¶601734438**
IDC	IX	03 07 54 11.2–.60	21.19S	97.58E	0	4.4,4.2		
NEIC	IX	03 07 54 13.3–.24	21.18S	97.60E	10	4.8b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.6km az=142.3.
IDC Error ellipse: s-maj=21.4km s-min=14.7km az=62.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=224.0.

ISC	**IX**	**06 18 40 28.5–.47**	**36.41S–.09**	**53.2E–.10**	**10**	**4.3b**	**43**	**18-173**
ISCJB	IX	06 18 40 26.8–.39	36.41S–.08	53.2E–.10	10	4.2b,3.7s		**¶601777919**
IDC	IX	06 18 40 26.7–.45	36.31S	53.21E	0	4.3,4.2		
NEIC	IX	06 18 40 28.3–.24	36.32S	53.19E	10	4.6b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=10.3km az=156.0.
IDC Error ellipse: s-maj=16.8km s-min=14.1km az=42.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.0km az=53.0.

IDC	**IX**	**07 18 52 31.8–4.6**	**38.35S**	**51.31E**	**0**	**4.0,3.8b**		
								¶601863127

IDC Error ellipse: s-maj=186.2km s-min=35.1km az=53.0.

ISC	**IX**	**11 09 56 50.1–.35**	**37.19S–.06**	**52.27E–.09**	**10**	**4.6b,4.3s**	**120**	**9-172**
BJI	IX	11 09 56 48.2	36.96S	51.80E	10	5.2b,5.1b		**¶601704939**
ISCJB	IX	11 09 56 48.6–.27	37.20S–.05	52.26E–.08	10	4.5b,4.3s		
MOS	IX	11 09 56 48.9–.89	37.21S	52.26E	10	4.8b,4.3s		
IDC	IX	11 09 56 48.2–.45	37.15S	52.28E	0	4.4,4.4		
NEIC	IX	11 09 56 49.8–.24	37.30S	52.22E	10	4.5b,4.4		
GCMT	IX	11 09 56 52.8–.20	37.04S–.01	52.34E–.03	14–0	5.0W,4.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c33; s87,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.57±.25 $M_{\theta\theta}$3.93±.17; $M_{\phi\phi}$0.64±.15; $M_{r\theta}$-0.43±.31; $M_{\theta\phi}$0.95±.10; $M_{\phi r}$-1.24±.41; Best double couple: NP1:ϕ_s63.00000°,δ51.00000°,λ-105.00000°. NP2:ϕ_s266.00000°,δ41.00000°,λ-72.00000°. Principal axes: T 4.2490,Plg5.0000° ,Azm164.0000°; N 0.6080,Plg12.0000°,Azm273.0000°; P -4.8550,Plg77.0000°,Azm276.0000° $M_0$4.55200×10^{16}

ISC	**IX**	**12 21 52 17.2–.58**	**23.99S–.05**	**82.91E–.05**	**11–3**	**5.4b,4.4s**	**948**	**19-173**
BJI	IX	12 21 52 15.4	23.90S	83.00E	10	5.3b,5.1b		**¶601712527**
IDC	IX	12 21 52 15.2–.36	24.00S	82.92E	0	5.1,5.1b		
ISCJB	IX	12 21 52 15.8–.17	23.96S–.03	82.96E–.03	11	5.3b,4.3s		
MOS	IX	12 21 52 15.7–.80	23.91S	82.97E	10	5.6b,4.4s		
NEIC	IX	12 21 52 16.9–.15	24.00S	82.93E	10	5.4b,4.5s		
GCMT	IX	12 21 52 19.9–.20	23.81S–.02	83.04E–.02	18–0	5.0W,4.5s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c55; s85,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.66±.17 $M_{\theta\theta}$-2.24±.11; $M_{\phi\phi}$-1.43±.12; $M_{r\theta}$0.72±.25; $M_{\theta\phi}$-2.48±.08; $M_{\phi r}$-0.25±.29; Best double couple: NP1:ϕ_s61.00000°,δ49.00000°,λ106.00000°. NP2:ϕ_s218.00000°,δ43.00000°,λ73.00000°. Principal axes: T 3.8180,Plg78.0000° ,Azm37.0000°; N 0.5390,Plg12.0000°,Azm231.0000°; P -4.3670,Plg3.0000°,Azm140.0000° $M_0$4.09200×10^{16}

ISC	**IX**	**30 00 02 25.4–.50**	**4.29S–.10**	**80.82E–.08**	**10**	**4.0b,3.3s**	**37**	**9-155**
ISCJB	IX	30 00 02 23.7–.38	4.28S–.07	80.82E–.06	10	4.0b,3.3s		**¶601857506**
IDC	IX	30 00 02 24.0–.65	4.29S	80.81E	0	4.3L,4.1		
NEIC	IX	30 00 02 25.3–.34	4.29S	80.80E	10	4.5b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=8.6km az=14.7.
IDC Error ellipse: s-maj=20.4km s-min=16.9km az=28.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.3km az=194.0.

ISC	**X**	**17 03 03 05.3–.56**	**35.4S–.10**	**54.1E–.10**	**17**	**4.0b,3.3s**	**32**	**17-160**
IDC	X	17 03 03 02.7–.58	35.38S	54.06E	0	4.3L,4.1		**¶601998609**
ISCJB	X	17 03 03 03.5–.40	35.44S–.08	54.10E–.10	17	3.9b,3.8s		
NEIC	X	17 03 03 04.2–.31	35.42S	54.08E	10	4.2b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=15.5km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.1km az=41.8.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.6km az=223.0.

ISC	**XI**	**01 03 01 41.5–1.2**	**64.3S–.20**	**87.6E–.20**	**10**	**4.1b**	**8**	**11-144**
ISCJB	XI	01 03 01 38.8–1.1	64.2S–.20	87.1E–.40	10	4.1b,3.0s		**¶602388656**
IDC	XI	01 03 01 39.5–1.4	64.35S	87.40E	0	4.3,4.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.3km s-min=15.9km az=143.2.
IDC Error ellipse: s-maj=45.6km s-min=22.0km az=124.0.

IDC	**XI**	**05 12 05 03.4–3.4**	**0.42S**	**91.74E**	**0**	**3.9,3.7**		
								¶602388863

IDC Error ellipse: s-maj=102.2km s-min=24.6km az=65.0.

ISC	**XI**	**08 03 24 29.4–.28**	**36.19S–.06**	**53.29E–.07**	**14**	**5.0b**	**710**	**15-173**
IDC	XI	08 03 24 26.5–.38	36.13S	53.42E	0	4.7,4.7		**¶601880087**
ISCJB	XI	08 03 24 27.5–.21	36.22S–.04	53.45E–.06	14	4.9b,4.7		
BJI	XI	08 03 24 27.0	36.30S	53.40E	10	5.5b,5.4s		
MOS	XI	08 03 24 27.0–1.2	36.16S	53.43E	10	5.3b,5.4s		
NEIC	XI	08 03 24 28.3–.99	36.13S	53.50E	6–5	5.1b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.6km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=151.8.
MOS Error ellipse: s-maj=14.1km s-min=6.8km az=101.7.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.9km az=50.0.

IDC	**XI**	**14 01 12 12.9–1.9**	**19.37S**	**92.00E**	**0**	**4.0,3.9**		
								¶602389363

IDC Error ellipse: s-maj=62.4km s-min=22.2km az=37.0.

IDC	**XI**	**15 00 02 12.9–2.4**	**35.00S**	**55.41E**	**0**	**4.1,3.9**		
								¶602389420

IDC Error ellipse: s-maj=91.9km s-min=48.7km az=38.0.

IDC	**XII**	**19 08 11 53.4–8.4**	**37.52S**	**51.19E**	**0**	**4.1,4.0**		
								¶602391663

IDC Error ellipse: s-maj=431.3km s-min=35.4km az=42.0.

ISC	**XII**	**27 04 42 23.4–1.3**	**2.6S–.20**	**83.2E–.20**	**10**	**3.7b,3.1s**	**7**	**10-153**
ISCJB	XII	27 04 42 21.7–1.2	2.5S–.20	83.3E–.20	10	3.7b,3.3s		**¶602380693**
IDC	XII	27 04 42 21.7–1.3	2.75S	83.14E	0	4.7L,4.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.0km s-min=16.8km az=145.2.
IDC Error ellipse: s-maj=39.6km s-min=24.4km az=51.0.

ISC	**XII**	**30 04 48 35.3–1.6**	**0.0S–.20**	**92.0E–.30**	**10**	**3.6b**	**8**	**20-147**
IDC	XII	30 04 48 33.8–1.8	0.03S	91.93E	0	4.5L,3.7		**¶602380874**
ISCJB	XII	30 04 48 34.0–1.5	0.1N–.20	92.1E–.30	10	3.6b,3.3s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**31 07 26 29.5–.59**	**34.1S–.10**	**57.2E–.10**	**10**	**4.2b,3.8s**	**30**	**18-163**
ISCJB	XII	31 07 26 27.9–.41	34.09S–.08	57.2E–.10	10	4.0b,3.6s		**¶602070585**
IDC	XII	31 07 26 27.3–1.0	34.19S	57.18E	0	4.2,4.0		
NEIC	XII	31 07 26 29.4–.56	34.12S	57.17E	10	4.6b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=11.3km az=159.3.
IDC Error ellipse: s-maj=39.6km s-min=20.0km az=22.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.6km az=217.0.

ISC	**XII**	**31 08 50 07.7–.30**	**3.29S–.05**	**86.29E–.04**	**10**	**4.8b,4.1s**	**286**	**12-152**
MOS	XII	31 08 50 04.7–1.1	3.30S	86.46E	10	5.1b,4.1s		**¶602065153**
ISCJB	XII	31 08 50 05.5–.19	3.28S–.03	86.39E–.03	10	4.7b,4.1s		
NEIC	XII	31 08 50 06.7–2.4	3.23S	86.46E	10–2	4.8b,4.1s		
IDC	XII	31 08 50 06.5–.51	3.18S	86.50E	0	4.6,4.5		
BJI	XII	31 08 50 08.0	3.20S	86.50E	10	5.1b,4.8b		
GCMT	XII	31 08 50 10.7–.40	3.18S–.03	86.47E–.02	21–2	4.9W,4.8b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s66,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.19 $M_{\theta\theta}$-2.04±.15; $M_{\phi\phi}$2.43±.16; $M_{r\theta}$0.71±.28; $M_{\theta\phi}$-1.44±.14; $M_{\phi r}$-0.02±.27; Best double couple: NP1:ϕ_s300.00000°,δ81.00000° ,λ-165.00000°. NP2:ϕ_s208.00000°,δ75.00000°,λ-9.00000°. Principal axes: T 2.8680,Plg4.0000°,Azm73.0000°; N -0.2010,Plg73.0000°,Azm330.0000° ; P -2.6660,Plg17.0000°,Azm164.0000° $M_0$2.76700×10^{16}

(426) Chagos Archipelago region.

ISC	**VII**	**05 19 39 38.3–1.3**	**5.5S–.20**	**68.8E–.20**	**10**	**3.8b,3.3s**	**23**	**2-155**
IDC	VII	05 19 39 35.6–1.4	5.67S	68.41E	0	3.8,3.7b		**¶601663517**
ISCJB	VII	05 19 39 36.6–.98	5.5S–.20	68.8E–.10	10	3.7b,3.3s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**VII**	**18 15 44 05.5–1.5**	**7.3S–.20**	**68.4E–.20**	**10**	**3.7b,3.4s**	**13**	**3-148**
ISCJB	VII	18 15 44 03.0–1.3	7.4S–.20	68.4E–.10	10	3.5b,3.4s		**¶601664791**
IDC	VII	18 15 44 02.5–2.0	7.59S	68.13E	0	3.7,3.5b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=13.1km az=18.6.
IDC Error ellipse: s-maj=59.5km s-min=30.2km az=50.0.

IDC	**VIII**	**10 03 31 49.9–5.8**	**5.66S**	**68.44E**	**0**	**3.7,3.6**		
								¶601765722

IDC Error ellipse: s-maj=166.9km s-min=31.1km az=60.0.

ISC	**VIII**	**15 03 35 26.6–.53**	**6.55S–.06**	**71.42E–.06**	**16**	**4.1b,3.5s**	**53**	**0-147**
ISCJB	VIII	15 03 35 24.5–.43	6.62S–.06	71.26E–.07	16	4.2b,3.4s		**¶601734945**
IDC	VIII	15 03 35 24.5–.72	6.64S	71.35E	0	4.4L,4.1		
NEIC	VIII	15 03 35 25.8–.40	6.67S	71.33E	10	4.5b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.3km az=137.4.
IDC Error ellipse: s-maj=19.9km s-min=18.6km az=12.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.5km az=52.0.

IDC	**VIII**	**21 02 23 36.2–9.8**	**4.52S**	**69.01E**	**0**	**3.9,3.7**		
								¶601766231

IDC Error ellipse: s-maj=307.2km s-min=34.8km az=66.0.

IDC	**VIII**	**25 16 52 09.9–3.7**	**7.04S**	**71.91E**	**0**	**3.9,3.8**		
								¶601766453

IDC Error ellipse: s-maj=110.6km s-min=29.9km az=70.0.

ISC	**IX**	**02 00 49 57.0–.89**	**5.6S–.10**	**68.6E–.10**	**13**	**4.2b**	**16**	**2-147**
ISCJB	IX	02 00 49 54.9–.76	5.7S–.10	68.62E–.08	13	4.2b,3.7s		**¶601862756**
IDC	IX	02 00 49 55.6–2.5	5.49S	68.60E	0	4.3,4.1		
NEIC	IX	02 00 49 56.7–.72	5.52S	68.59E	10	4.5b,4.1		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=6.7km az=34.1.
IDC Error ellipse: s-maj=75.6km s-min=26.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.1km az=199.0.
IDC IX 05 09 31 18.6–4.4 5.19S 68.88E 0 3.8,3.6
¶601862977
IDC Error ellipse: s-maj=159.9km s-min=29.6km az=60.0.
ISC IX 07 06 58 59.2–.37 6.87S–.04 72.17E–.04 13–2 5.2b,4.4s 1010 1-157
BJI IX 07 06 58 56.8 6.80S 72.12E 6 5.0b,5.0b **¶601687292**
IDC IX 07 06 58 57.1–.40 6.86S 72.17E 0 4.7,4.7
ISCJB IX 07 06 58 57.7–.78 6.90S–.02 72.15E–.02 14–5 5.0b,4.4s
MOS IX 07 06 58 58.5–.99 6.77S 72.22E 17 5.3b,4.3s
NEIC IX 07 06 58 58.8–.11 6.88S 72.18E 10 5.2b,4.3s
GCMT IX 07 06 58 59.8–.30 6.95S–.02 72.31E–.02 18–0 5.0W,4.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c73; s86,c136;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.29±.14 $M_{\theta\theta}$3.16±.10; $M_{\phi\phi}$0.13±.09; $M_{r\theta}$2.58±.22; $M_{\theta\phi}$-0.01±.08; $M_{\phi r}$-0.02±.24; Best double couple: NP1:ϕ_s270.00000°,δ64.00000°,λ-90.00000°. NP2:ϕ_s90.00000°,δ26.00000°,λ-90.00000°. Principal axes: T 4.0650,Plg19.0000° ,Azm0.0000°; N 0.1370,Plg0.0000°,Azm90.0000°; P -4.1950,Plg71.0000°,Azm181.0000° $M_0$4.13000×10^{16}
ISC IX 25 01 41 42.8–.94 5.4S–.20 68.6E–.10 13 4.4b,3.8s 49 3-146
ISCJB IX 25 01 41 40.7–.64 5.4S–.10 68.54E–.10 13 4.3b,3.6s **¶601864129**
IDC IX 25 01 41 40.8–.89 5.34S 68.55E 0 4.3,4.2
NEIC IX 25 01 41 42.3–.36 5.36S 68.54E 10 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=10.2km az=42.0.
IDC Error ellipse: s-maj=31.5km s-min=14.6km az=40.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=222.0.
ISC IX 28 06 57 09.7–.50 3.54S–.09 68.4E–.10 12 4.4b,3.7s 92 4-153
ISCJB IX 28 06 57 07.9–.37 3.49S–.05 68.38E–.07 12 4.3b,3.7s **¶601755835**
IDC IX 28 06 57 07.9–.60 3.45S 68.38E 0 4.3,4.2b
BJI IX 28 06 57 07.7 3.50S 68.30E 10 5.0b,4.5b
NEIC IX 28 06 57 09.7–.20 3.47S 68.34E 10 4.6b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=151.4.
IDC Error ellipse: s-maj=16.8km s-min=15.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.3km az=129.0.
ISC X 09 07 50 12.3–.45 5.20S–.07 68.83E–.07 10 4.7b,4.4s 122 2-155
ISCJB X 09 07 50 10.3–.31 5.22S–.04 68.84E–.04 10 4.5b,4.4s **¶601795716**
IDC X 09 07 50 10.4–.81 5.18S 68.82E 0 4.5,4.5s
NEIC X 09 07 50 13.1–.32 5.14S 68.76E 10 4.8b,4.5s
GCMT X 09 07 50 15.1–.20 5.05S–.02 68.41E–.02 14–0 5.2W,4.5s
BJI X 09 07 50 18.0 4.70S 68.50E 30 5.2b,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=40.5.
IDC Error ellipse: s-maj=23.7km s-min=15.0km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.4km az=144.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c37; s101,c157;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-7.39±.39 $M_{\theta\theta}$4.74±.25; $M_{\phi\phi}$2.66±.23; $M_{r\theta}$2.05±.53; $M_{\theta\phi}$-3.21±.15; $M_{\phi r}$0.51±.54; Best double couple: NP1:ϕ_s295.00000°,δ51.00000°,λ-104.00000°. NP2:ϕ_s137.00000°,δ41.00000°,λ-73.00000°. Principal axes: T 7.2040,Plg5.0000° ,Azm35.0000°; N 0.6390,Plg11.0000°,Azm304.0000°; P -7.8340,Plg78.0000°,Azm151.0000° $M_0$7.51900×10^{16}
IDC X 09 08 22 39.8–2.5 4.88S 68.87E 0 3.9,3.7
¶601997631
IDC Error ellipse: s-maj=74.9km s-min=26.2km az=64.0.
IDC X 09 09 17 60.0–3.9 4.94S 68.62E 0 3.8s,3.8
¶601997637
IDC Error ellipse: s-maj=130.3km s-min=25.7km az=63.0.
ISC X 09 09 19 54.1–.94 5.0S–.10 68.5E–.20 13 4.2b 27 3-155
ISCJB X 09 09 19 52.1–.76 4.93S–.08 68.5E–.10 13 4.3b **¶601997638**
IDC X 09 09 19 52.5–1.8 5.00S 68.55E 0 4.0,3.8
NEIC X 09 09 19 54.0–.59 4.94S 68.57E 10 4.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=10.2km az=162.0.
IDC Error ellipse: s-maj=57.8km s-min=24.3km az=60.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.1km az=75.0.
ISC X 20 23 30 06.6–.39 5.28S–.07 68.64E–.07 13 4.7b 263 3-155
BJI X 20 23 30 01.7 5.42S 68.21E 5 5.5s,5.2 **¶606635640**
ISCJB X 20 23 30 04.3–.30 5.36S–.05 68.54E–.04 13 5.6s,4.6b
IDC X 20 23 30 04.0–.52 5.30S 68.58E 0 4.4,4.3
NEIC X 20 23 30 06.3–.22 5.30S 68.62E 10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=17.9.
IDC Error ellipse: s-maj=18.6km s-min=12.9km az=35.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=214.0.
ISC X 28 01 13 40.2–.44 3.02S–.08 68.18E–.08 11 4.2b,3.9s 70 4-153
ISCJB X 28 01 13 38.1–.32 3.01S–.05 68.18E–.06 11 4.1b,3.9s **¶601883572**
IDC X 28 01 13 38.1–.54 3.01S 68.17E 0 4.6L,4.1
GCMT X 28 01 13 38.8–.30 3.03S–.02 68.18E–.02 12 4.8W,4.1
NEIC X 28 01 13 39.8–.30 3.05S 68.17E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.2km az=143.7.
IDC Error ellipse: s-maj=16.9km s-min=14.2km az=176.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c12; s65,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.08 $M_{\theta\theta}$-1.44±.06; $M_{\phi\phi}$1.59±.06; $M_{r\theta}$-0.82±.21; $M_{\theta\phi}$-0.41±.07; $M_{\phi r}$-0.55±.20; Best double couple: NP1:ϕ_s36.00000°,δ82.00000°,λ-30.00000°. NP2:ϕ_s130.00000°,δ60.00000°,λ-171.00000°. Principal axes: T 1.7570,Plg15.0000° ,Azm87.0000°; N 0.1880,Plg59.0000°,Azm202.0000°; P -1.9430,Plg27.0000°,Azm349.0000° $M_0$1.85000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.3km az=168.0.
IDC X 30 06 58 11.6–2.3 8.43S 68.18E 0 3.9,3.6
¶602000444
IDC Error ellipse: s-maj=88.9km s-min=50.7km az=19.0.
IDC XI 04 09 02 30.4–2.9 8.88S 69.36E 0 4.0,3.8
¶602388795
IDC Error ellipse: s-maj=79.4km s-min=56.2km az=74.0.
IDC XI 07 05 27 20.1–2.8 4.11S 68.42E 0 4.0,3.8
¶602388946
IDC Error ellipse: s-maj=77.9km s-min=38.8km az=64.0.
ISC XI 19 07 39 22.7–.85 4.7S–.10 68.7E–.10 10 4.5b,3.9s 45 3-154
ISCJB XI 19 07 39 20.3–.67 4.76S–.10 68.6E–.10 10 4.4b,3.9s **¶601992869**
IDC XI 19 07 39 20.7–.94 4.78S 68.58E 0 4.5L,4.4
NEIC XI 19 07 39 23.1–.42 4.70S 68.66E 10 4.8b,4.4
GCMT XI 19 07 39 25.1–.30 4.79S–.02 68.65E–.02 15–2 4.8W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s78,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.12 $M_{\theta\theta}$-1.98±.09; $M_{\phi\phi}$2.38±.11; $M_{r\theta}$-0.30±.21; $M_{\theta\phi}$-0.14±.09; $M_{\phi r}$-0.40±.20; Best double couple: NP1:ϕ_s43.00000°,δ88.00000°,λ-13.00000°. NP2:ϕ_s133.00000°,δ77.00000°,λ-178.00000°. Principal axes: T 2.4380,Plg8.0000° ,Azm89.0000°; N -0.3870,Plg77.0000°,Azm214.0000°; P -2.0440,Plg11.0000° ,Azm357.0000° $M_0$2.24100×10^{16}
ISC XI 19 14 32 09.5–.71 6.65S–.07 71.06E–.08 10 4.1b,3.3s 34 0-147
ISCJB XI 19 14 32 07.8–.54 6.66S–.05 71.01E–.06 10 4.1b,3.3s **¶601992952**
IDC XI 19 14 32 08.3–.80 6.71S 71.00E 0 4.4L,4.1
NEIC XI 19 14 32 09.5–.41 6.74S 71.03E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.5km az=143.4.
IDC Error ellipse: s-maj=23.5km s-min=20.4km az=168.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=9.3km az=216.0.
IDC XI 25 00 05 05.6–2.2 8.53S 68.62E 0 3.7,3.6
¶602389948
IDC Error ellipse: s-maj=83.3km s-min=31.9km az=58.0.

(427) Mauritius-Reunion region.

ISC VII 07 22 49 20.3–.29 17.16S–.05 66.77E–.05 13 4.9b,4.4s 540 9-165
BJI VII 07 22 49 15.5 17.49S 66.57E 10 5.1b,4.8b **¶601244185**
IDC VII 07 22 49 18.0–.36 17.01S 66.87E 0 4.6,4.5
ISCJB VII 07 22 49 19.0–.20 17.08S–.04 66.92E–.04 13 4.8b,4.5s
MOS VII 07 22 49 19.3–.98 17.03S 66.93E 17 5.1b,4.5s
NEIC VII 07 22 49 20.1–.22 17.08S 66.88E 10 5.0b,4.5s
GCMT VII 07 22 49 20.1–.10 17.02S 66.78E 14–0 5.3W,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=11.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.8km az=19.8.
MOS Error ellipse: s-maj=10.4km s-min=6.0km az=101.1.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.9km az=203.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s77,c111; s111,c203; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$-0.90±.02; $M_{\phi\phi}$0.98±.02; $M_{r\theta}$-0.20±.03; $M_{\theta\phi}$0.37±.01; $M_{\phi r}$-0.20±.03; Best double couple: NP1:ϕ_s236.00000°,δ89.00000° ,λ15.00000°. NP2:ϕ_s146.00000°,δ75.00000°,λ179.00000°. Principal axes: T 1.1020,Plg11.0000°,Azm102.0000°; N -0.1020,Plg75.0000°,Azm238.0000° ; P -0.9990,Plg10.0000°,Azm10.0000° $M_0$1.05000×10^{17}
ISC VII 08 02 06 57.5–.85 18.7S–.20 65.5E–.20 15 4.0b,3.4s 12 17-146
ISCJB VII 08 02 06 55.6–.62 18.6S–.10 65.6E–.10 15 3.9b,3.4s **¶601405498**
IDC VII 08 02 06 55.2–.90 18.68S 65.53E 0 3.9,3.8
NEIC VII 08 02 06 56.6–.40 18.66S 65.53E 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=16.6km az=28.9.
IDC Error ellipse: s-maj=33.7km s-min=22.3km az=81.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.0km az=204.0.
ISC VII 26 05 33 33.9–.50 17.55S–.04 66.29E–.04 16–2 5.9s,5.4b 937 9-165
IDC VII 26 05 33 29.4–.39 17.38S 66.50E 0 5.7,5.7s **¶604084432**
BJI VII 26 05 33 30.8 17.60S 66.40E 6 5.9s,5.7
ISCJB VII 26 05 33 31.3–.22 17.54S–.04 66.45E–.03 15 6.0s,5.2b
NEIC VII 26 05 33 31.0–.00 17.89S 66.05E 30 6.0s,5.2b
MOS VII 26 05 33 32.7–1.8 17.21S 66.91E 15 5.6s,5.3b
GCMT VII 26 05 33 33.0–.00 17.47S 65.88E 25–0 6.6W,5.3b
NEIC VII 26 05 33 33.0–.26 17.59S 66.39E 20 6.9,6.7W
NEIC VII 26 05 33 58.0–.00 17.60S 65.77E 33 6.9,6.7W
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.5km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=176.6.
NEIC Event type se. Moment Tensor Solution. s47 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$1.11 $M_{r\theta}$-0.40 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s57.00000° ,δ80.00000°,λ-16.00000°. NP2:ϕ_s150.00000°,δ74.00000°,λ-170.00000°. Principal axes: T 1.2500,Plg4.0000°,Azm104.0000°; N 0.0200,Plg71.0000°,Azm207.0000° ; P -1.2700,Plg18.0000°,Azm12.0000° $M_0$1.30000×10^{19}
MOS Error ellipse: s-maj=10.0km s-min=4.9km az=102.6.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Moment Tensor Solution. s140,c334; s138,c599;Duration: 5s0 Moment tensor: Scale 10^{19} Nm; M_{rr}-0.09±.00 $M_{\theta\theta}$-0.90±.00; $M_{\phi\phi}$0.99±.00; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.45±.00; $M_{\phi r}$0.02±.01; Best double couple: NP1:ϕ_s57.00000°,δ84.00000°,λ-7.00000°. NP2:ϕ_s148.00000° ,δ83.00000°,λ-174.00000°. Principal axes: T 1.0970,Plg1.0000°,Azm103.0000° ; N -0.0710,Plg81.0000°,Azm198.0000°; P -1.0260,Plg9.0000°,Azm12.0000° $M_0$1.06200×10^{19}
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=166.0. Complex earthquake observed on broadband displacement seismograms, with at least one event occurring about 4 seconds after the onset. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ88.00000°,λ178.00000°. NP2:ϕ_s242.00000° ,δ88.00000°,λ2.00000°. Principal axes: T 1.0700,Plg2.0000°,Azm107.0000° ; N -0.0300,Plg88.0000°,Azm286.0000°; P -1.0400,Plg0.0000°,Azm17.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s242.00000°,δ88.00000°,λ2.00000°. NP2:ϕ_s152.00000°,δ88.00000°,λ178.00000°. Principal axes: T Plg3.0000°,Azm107.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm17.0000°
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.20 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$1.16 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.57 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s149.00000° ,δ89.00000°,λ-174.00000°. NP2:ϕ_s59.00000°,δ84.00000°,λ-1.00000°. Principal axes: T 1.3100,Plg3.0000°,Azm284.0000°; N -0.2000,Plg84.0000°,Azm160.0000° ; P -1.1100,Plg5.0000°,Azm14.0000° $M_0$1.20000×10^{19}
ISC VII 26 07 07 28.4–.71 17.7S–.20 65.6E–.20 10 4.4b 29 12-159
ISCJB VII 26 07 07 26.9–.63 17.7S–.10 65.7E–.10 10 4.7s,4.3b **¶601666464**
IDC VII 26 07 07 26.4–.92 17.83S 65.67E 0 4.4s,4.4
NEIC VII 26 07 07 28.5–.45 17.74S 65.66E 10 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=16.5km az=145.7.
IDC Error ellipse: s-maj=28.6km s-min=21.4km az=37.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=14.2km az=48.0.
IDC VII 26 07 14 39.1–14 18.11S 65.42E 0 4.3s,4.3
¶601666465
IDC Error ellipse: s-maj=486.7km s-min=34.9km az=55.0.
IDC X 26 04 44 40.1–1.3 20.10S 66.15E 0 3.8,3.7b
¶601999706
IDC Error ellipse: s-maj=45.6km s-min=31.7km az=57.0.
IDC XI 16 02 49 16.4–3.3 20.39S 66.13E 0 3.8,3.7b
¶602389480
IDC Error ellipse: s-maj=115.6km s-min=34.5km az=45.0.
IDC XII 08 03 20 01.9–48 19.53S 66.55E 0 3.8,3.6
¶602390778
IDC Error ellipse: s-maj=1475.0km s-min=47.4km az=60.0.
ISC XII 27 09 31 11.3–1.1 20.1S–.20 66.6E–.20 16 4.3b 25 14-153
IDC XII 27 09 31 08.8–1.3 20.03S 66.55E 0 4.2,4.1b **¶602380705**
ISCJB XII 27 09 31 09.6–.83 20.0S–.20 66.6E–.10 16 4.2b,3.7s
NEIC XII 27 09 31 10.2–.60 20.08S 66.54E 10 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=22.7km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=14.9km az=31.5.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=12.8km az=210.0.
IDC XII 29 12 08 56.1–41 17.27S 65.86E 0 4.0,3.8b
¶602380838
IDC Error ellipse: s-maj=1268.0km s-min=50.5km az=63.0.

(428) Southwest Indian Ridge.

ISC VII 14 10 36 21.2–1.7 36.5S–.30 52.5E–.30 10 4.0b,3.5s 7 18-149
ISCJB VII 14 10 36 19.4–1.5 36.5S–.30 52.4E–.30 10 3.7b,3.4s **¶601664561**
IDC VII 14 10 36 19.8–1.5 36.48S 52.47E 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=49.5km s-min=20.3km az=136.0.
IDC Error ellipse: s-maj=60.7km s-min=27.0km az=32.0.
ISC VII 17 23 25 36.5–.62 33.7S–.10 57.3E–.20 10 4.2b,3.6s 23 18-146
ISCJB VII 17 23 25 34.5–.48 33.71S–.08 57.3E–.20 10 4.2b,3.7s **¶601468494**
IDC VII 17 23 25 34.8–.71 33.66S 57.27E 0 4.4L,4.3
NEIC VII 17 23 25 36.3–.34 33.67S 57.25E 10 4.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=11.0km az=171.6.
IDC Error ellipse: s-maj=30.2km s-min=16.2km az=90.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.2km az=78.0.
IDC VII 18 11 25 09.4–3.4 31.21S 59.41E 0 4.2,4.0L
¶601664784
IDC Error ellipse: s-maj=106.0km s-min=40.2km az=43.0.
ISC VIII 05 23 47 55.1–.45 40.53S–.09 45.23E–.10 10 4.3b,3.7s 38 8-167
ISCJB VIII 05 23 47 53.4–.34 40.55S–.07 45.27E–.09 10 4.3b,3.7s **¶601565838**
IDC VIII 05 23 47 53.5–.60 40.52S 45.28E 0 4.1,4.0b
NEIC VIII 05 23 47 55.2–.25 40.54S 45.27E 10 4.6b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=135.6.
IDC Error ellipse: s-maj=21.2km s-min=16.3km az=47.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=225.0.
ISC VIII 19 08 59 13.2–.54 31.6S–.10 58.4E–.10 14 4.2b 28 16-165
IDC VIII 19 08 59 11.0–.52 31.57S 58.43E 0 4.3,4.2 **¶601582263**
ISCJB VIII 19 08 59 11.5–.43 31.60S–.08 58.5E–.10 14 4.2b,4.2
NEIC VIII 19 08 59 12.5–.29 31.55S 58.44E 10 4.1b,4.2
ISC Event type se.

IDC Error ellipse: s-maj=20.6km s-min=15.6km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=11.0km az=174.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.5km az=71.0.
ISC IX 11 07 37 20.7–.68 38.8S–.10 46.4E–.20 18 4.0b,3.3s 29 9-154
IDC IX 11 07 37 17.4–.90 38.74S 46.46E 0 4.0,4.0 **¶601738689**
ISCJB IX 11 07 37 18.6–.69 38.9S–.10 46.4E–.20 18 3.9b,3.5s
NEIC IX 11 07 37 19.5–.38 38.77S 46.45E 10 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=18.5km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=10.7km az=140.3.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.6km az=47.0.
ISC IX 12 02 57 25.9–.29 40.00S–.06 46.14E–.07 10 5.0b,4.3s 202 8-170
ISCJB IX 12 02 57 24.4–.22 39.95S–.05 46.10E–.06 10 4.9b,4.6s **¶601706398**
BJI IX 12 02 57 24.2 40.00S 46.00E 10 5.3b,5.3b
IDC IX 12 02 57 24.0–.42 39.92S 46.12E 0 4.7,4.6b
NEIC IX 12 02 57 26.6–1.5 39.96S 46.07E 10–2 5.0L,5.0b
GCMT IX 12 02 57 28.5–.30 39.85S–.02 46.07E–.04 12 5.0W,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c30; s78,c113;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.55±.11 $M_{\theta\theta}$3.09±.10; $M_{\phi\phi}$0.46±.11; $M_{r\theta}$0.11±.30; $M_{\theta\phi}$1.07±.09; $M_{\phi r}$-1.01±.53; Best double couple: NP1:ϕ_s56.00000°,δ49.00000°,λ-109.00000°. NP2:ϕ_s264.00000°,δ45.00000°,λ-70.00000°. Principal axes: T 3.4790,Plg2.0000° ,Azm160.0000°; N 0.3340,Plg14.0000°,Azm69.0000°; P -3.8090,Plg76.0000°,Azm258.0000° M_o3.64400×10^{16}
ISC IX 12 03 49 34.9–.64 39.8S–.10 46.0E–.10 10 4.2b 30 20-154
ISCJB IX 12 03 49 33.4–.47 39.76S–.10 46.1E–.10 10 4.2b,3.6s **¶601851667**
IDC IX 12 03 49 33.3–.74 39.78S 46.12E 0 4.1,4.0b
NEIC IX 12 03 49 35.0–.35 39.80S 46.10E 10 4.5b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=11.9km az=43.2.
IDC Error ellipse: s-maj=28.8km s-min=19.0km az=41.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.9km az=217.0.
IDC IX 17 23 56 05.5–2.7 30.88S 59.23E 0 3.9,3.7
¶601863736
IDC Error ellipse: s-maj=91.0km s-min=33.7km az=43.0.
ISC IX 19 14 29 34.2–.66 40.6S–.10 45.1E–.10 10 4.0b,3.4s 18 8-84
ISCJB IX 19 14 29 32.6–.48 40.6S–.10 45.2E–.10 10 4.0b,3.4s **¶601739625**
IDC IX 19 14 29 32.9–.71 40.55S 45.22E 0 4.1,4.0b
NEIC IX 19 14 29 34.2–.36 40.57S 45.13E 10 4.3b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=9.7km az=42.3.
IDC Error ellipse: s-maj=26.4km s-min=17.3km az=37.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.5km az=220.0.
ISC IX 21 01 30 25.8–.75 28.0S–.20 63.6E–.10 17 4.1b,3.4s 14 18-145
ISCJB IX 21 01 30 23.9–.62 28.0S–.20 63.6E–.10 17 4.0b,3.4s **¶601767262**
IDC IX 21 01 30 23.2–.77 27.97S 63.58E 0 4.1,3.9b
NEIC IX 21 01 30 24.6–.42 27.95S 63.56E 10 4.2b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=15.9km az=10.1.
IDC Error ellipse: s-maj=27.8km s-min=20.9km az=24.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.1km az=191.0.
IDC X 03 17 28 36.9–3.3 37.61S 49.71E 0 4.1,3.9b
¶601996962
IDC Error ellipse: s-maj=107.0km s-min=49.2km az=62.0.
ISC X 03 19 51 44.0–.58 37.9S–.10 49.3E–.10 9 4.2b,4.0s 22 19-151
ISCJB X 03 19 51 42.2–.46 37.90S–.08 49.3E–.10 9 4.1s,4.0b **¶601825418**
IDC X 03 19 51 42.6–.59 37.88S 49.30E 0 4.2,4.1b
NEIC X 03 19 51 44.1–.31 37.92S 49.26E 10 4.6b,4.1b
GCMT X 03 19 51 47.1–.30 37.79S–.02 49.45E–.05 14–1 4.9W,4.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s70,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.22 $M_{\theta\theta}$2.82±.17; $M_{\phi\phi}$0.12±.14; $M_{r\theta}$0.14±.29; $M_{\theta\phi}$0.08±.10; $M_{\phi r}$-0.82±.39; Best double couple: NP1:ϕ_s282.00000°,δ48.00000°,λ-71.00000°. NP2:ϕ_s75.00000°,δ46.00000°,λ-110.00000°. Principal axes: T 2.8250,Plg1.0000° ,Azm359.0000°; N 0.3290,Plg14.0000°,Azm89.0000°; P -3.1570,Plg76.0000°,Azm264.0000° M_o2.99100×10^{16}
ISC X 19 17 01 57.2–1.0 34.6S–.10 54.6E–.20 10 4.3b,3.5s 15 13-147
NEIC X 19 17 01 57.8–.84 34.69S 54.70E 10 4.5b,3.5s **¶601998957**
IDC X 19 17 01 57.2–1.5 34.91S 54.92E 0 4.2,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=13.7km az=70.0.
IDC Error ellipse: s-maj=52.7km s-min=31.0km az=125.0.
IDC X 23 18 12 25.8–3.6 37.69S 50.64E 0 3.9,3.6b
¶601999398
IDC Error ellipse: s-maj=118.9km s-min=56.9km az=54.0.
ISC XI 05 00 24 43.7–.26 28.75S–.06 61.95E–.05 10 5.2b,5.0s 781 17-175
BJI XI 05 00 24 40.5 28.80S 62.00E 5 5.3s,5.2b **¶601871352**
IDC XI 05 00 24 41.7–.38 28.78S 61.94E 0 5.0,4.9L
MOS XI 05 00 24 42.1–.89 28.76S 62.03E 10 5.4b,4.9L
ISCJB XI 05 00 24 42.1–.18 28.78S–.04 62.05E–.04 10 5.1b,5.0s
NEIC XI 05 00 24 43.5–.14 28.78S 61.98E 10 5.2b,5.0s
GCMT XI 05 00 24 45.5–.20 28.77S–.01 61.86E–.02 12 5.3W,5.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c95; s96,c176;Duration: 1$\hat{e}$1
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00±.02 $M_{\theta\theta}$0.96±.02; $M_{\phi\phi}$0.03±.02; $M_{r\theta}$0.22±.05; $M_{\theta\phi}$0.24±.01; $M_{\phi r}$0.24±.06; Best double couple: NP1:ϕ_s246.00000°,δ53.00000°,λ-102.00000°. NP2:ϕ_s86.00000°,δ38.00000°,λ-75.00000°. Principal axes: T 1.0600,Plg8.0000° ,Azm345.0000°; N 0.0040,Plg9.0000°,Azm253.0000°; P -1.0640,Plg78.0000°,Azm113.0000° M_o1.06200×10^{17}
ISC XI 06 06 20 59.8–.50 34.53S–.08 54.9E–.10 10 4.4b 34 12-152
ISCJB XI 06 06 20 58.0–.41 34.61S–.06 54.9E–.10 10 4.2b,3.6s **¶602388903**
IDC XI 06 06 20 58.0–.59 34.51S 54.88E 0 4.4,4.2b
NEIC XI 06 06 20 59.9–.87 34.56S 54.87E 10–5 4.4b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.8km az=159.3.
IDC Error ellipse: s-maj=21.9km s-min=17.5km az=78.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.2km az=76.0.
ISC XI 13 09 30 35.8–.92 36.3S–.30 52.7E–.20 10 4.0b,3.5s 8 18-149
ISCJB XI 13 09 30 34.1–.82 36.3S–.20 52.8E–.20 10 3.8b,3.5s **¶602389334**
IDC XI 13 09 30 34.4–.80 36.32S 52.67E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.9km s-min=19.4km az=28.2.
IDC Error ellipse: s-maj=40.2km s-min=21.3km az=32.0.
IDC XI 17 02 01 09.0–4.9 31.43S 59.98E 0 3.8,3.6
¶602389537
IDC Error ellipse: s-maj=729.1km s-min=28.6km az=20.0.
ISC XI 27 04 40 26.4–.61 32.64S–.09 56.9E–.10 10 4.2b 29 11-150
IDC XI 27 04 40 24.8–.71 32.84S 57.03E 0 4.7L,4.1 **¶601994733**
NEIC XI 27 04 40 26.5–.45 32.74S 57.01E 10 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=20.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.7km az=65.0.
ISC XII 01 02 22 22.5–.47 38.99S–.09 46.2E–.10 10 4.2b,4.1s 48 9-154
ISCJB XII 01 02 22 20.9–.37 38.91S–.07 46.2E–.10 10 4.2s,4.1b **¶601995549**
IDC XII 01 02 22 20.4–.53 38.78S 46.33E 0 4.2,4.1
NEIC XII 01 02 22 22.6–.37 38.92S 46.35E 10 4.4b,4.1
GCMT XII 01 02 22 24.6–.20 39.05S–.01 46.15E–.02 13–1 5.0W,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c34; s81,c122;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.20±.16 $M_{\theta\theta}$1.49±.13; $M_{\phi\phi}$-0.29±.13; $M_{r\theta}$-0.40±.27; $M_{\theta\phi}$3.22±.10; $M_{\phi r}$-1.06±.34; Best double couple: NP1:ϕ_s10.00000°,δ83.00000°,λ-158.00000°. NP2:ϕ_s277.00000°,δ68.00000°,λ-7.00000°. Principal axes: T 4.1150,Plg10.0000° ,Azm142.0000°; N -1.1540,Plg67.0000°,Azm26.0000°; P -2.9630,Plg20.0000° ,Azm236.0000° M_o3.53900×10^{16}
ISC XII 11 00 32 49.3–.58 38.8S–.10 46.6E–.10 18 4.0b,3.5s 27 9-154
IDC XII 11 00 32 46.9–.69 38.67S 46.50E 0 4.1,4.0 **¶602070464**
ISCJB XII 11 00 32 47.8–.50 38.7S–.10 46.5E–.10 18 3.9b,3.5s
NEIC XII 11 00 32 48.2–.41 38.79S 46.50E 10 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=17.7km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=10.5km az=28.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.8km az=37.0.
ISC XII 19 07 37 20.7–.56 36.2S–.10 52.5E–.10 18 4.4b,3.3s 40 18-159
IDC XII 19 07 37 17.7–.61 36.11S 52.55E 0 4.4,4.2b **¶602391637**
ISCJB XII 19 07 37 18.9–.40 36.12S–.08 52.53E–.10 18 4.3b,3.3s
NEIC XII 19 07 37 19.2–.27 36.23S 52.50E 10 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=17.8km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=10.4km az=36.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.4km az=217.0.
ISC XII 19 10 25 58.2–.39 28.80S–.07 61.83E–.07 10 5.0b,4.1s 195 9-170
IDC XII 19 10 25 56.3–.43 28.91S 62.02E 0 4.5,4.5b **¶602051804**
ISCJB XII 19 10 25 56.2–.25 28.97S–.05 62.07E–.05 10 4.8b,4.2s
MOS XII 19 10 25 56.3–.75 28.94S 62.02E 10 5.2b,4.2s
BJI XII 19 10 25 56.7 28.90S 62.00E 10 5.2b,5.0s
NEIC XII 19 10 25 57.9–.20 28.92S 62.03E 10 4.8b,5.0s
GCMT XII 19 10 25 58.9–.30 28.84S–.02 61.82E–.03 18–0 5.0W,5.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c28; s75,c100;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.14±.23 $M_{\theta\theta}$3.32±.15; $M_{\phi\phi}$0.82±.13; $M_{r\theta}$0.07±.32; $M_{\theta\phi}$1.02±.09; $M_{\phi r}$0.11±.35; Best double couple: NP1:ϕ_s249.00000°,δ46.00000°,λ-91.00000°. NP2:ϕ_s71.00000°,δ44.00000°,λ-89.00000°. Principal axes: T 3.6850,Plg1.0000° ,Azm340.0000°; N 0.4600,Plg1.0000°,Azm250.0000°; P -4.1430,Plg89.0000°,Azm107.0000° M_o3.91400×10^{16}
ISC XII 19 20 26 28.2–.57 38.9S–.10 46.8E–.10 10 4.3b,3.3s 27 8-154
ISCJB XII 19 20 26 27.0–.54 38.8S–.10 46.7E–.10 10 4.3b,3.2s **¶602355654**
IDC XII 19 20 26 26.6–.69 38.74S 46.76E 0 4.1,4.0b
NEIC XII 19 20 26 28.5–.38 38.90S 46.76E 10 4.8b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=13.7km az=15.1.
IDC Error ellipse: s-maj=33.1km s-min=20.3km az=20.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.5km az=218.0.
ISC XII 22 03 48 11.4–1.3 41.0S–.20 44.4E–.30 12 8 20-152
ISCJB XII 22 03 48 09.5–1.2 40.9S–.10 44.3E–.30 12 3.9b,3.4s **¶602391846**
IDC XII 22 03 48 09.5–1.2 40.91S 44.42E 0 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.5km s-min=18.6km az=155.7.
IDC Error ellipse: s-maj=135.8km s-min=28.3km az=34.0.
ISC XII 26 06 51 56.0–.62 38.9S–.20 46.4E–.20 18 4.2b,3.4s 35 9-154
ISCJB XII 26 06 51 53.8–.50 39.0S–.10 46.3E–.10 18 4.1b,3.3s **¶602380628**
IDC XII 26 06 51 53.5–.80 38.61S 46.54E 0 4.3,4.2b
NEIC XII 26 06 51 54.6–.29 38.86S 46.38E 10 4.1b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=9.8km az=38.1.
IDC Error ellipse: s-maj=59.5km s-min=16.0km az=28.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.9km az=217.0.

(429) Mid-Indian Ridge.

IDC VII 04 10 44 55.7–1.2 29.06S 74.67E 0 4.1,3.9
¶601663473
IDC Error ellipse: s-maj=43.2km s-min=23.9km az=86.0.
IDC VII 04 14 44 51.0–1.6 29.99S 74.74E 0 4.3,4.2
¶601663478
IDC Error ellipse: s-maj=62.8km s-min=25.4km az=12.0.
IDC VII 04 20 05 44.9–4.5 29.34S 74.25E 0 3.8,3.7
¶601663492
IDC Error ellipse: s-maj=129.4km s-min=42.8km az=46.0.
IDC VII 04 20 25 06.3–1.3 28.95S 74.78E 0 4.0,3.9b
¶601663494
IDC Error ellipse: s-maj=48.7km s-min=23.0km az=71.0.
ISC VII 05 16 39 15.6–.88 28.9S–.10 74.8E–.20 10 4.3b 23 21-146
ISCJB VII 05 16 39 13.6–.69 29.0S–.10 74.8E–.20 10 4.2b,3.2s **¶601556020**
IDC VII 05 16 39 14.0–.93 28.95S 74.81E 0 4.1,3.9b
NEIC VII 05 16 39 15.8–.41 28.92S 74.81E 10 4.7b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=13.9km az=154.3.
IDC Error ellipse: s-maj=34.5km s-min=22.1km az=94.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.6km az=65.0.
IDC VII 05 18 38 02.1–1.4 28.98S 74.78E 0 4.0,3.8b
¶601663516
IDC Error ellipse: s-maj=45.6km s-min=25.9km az=69.0.
IDC VII 05 20 10 16.8–1.3 29.17S 74.69E 0 4.1,3.9b
¶601663518
IDC Error ellipse: s-maj=56.0km s-min=27.0km az=94.0.
ISC VII 06 20 45 04.8–.71 29.1S–.10 74.9E–.20 10 4.1b,3.6s 28 21-146
ISCJB VII 06 20 45 02.5–.61 29.08S–.10 74.9E–.10 10 4.1b,3.6s **¶601532860**
IDC VII 06 20 45 02.6–.79 29.10S 74.86E 0 4.0,3.8b
NEIC VII 06 20 45 04.5–.54 29.03S 74.89E 10 4.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=12.6km az=152.6.
IDC Error ellipse: s-maj=30.9km s-min=18.7km az=70.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=12.3km az=68.0.
IDC VII 07 11 17 34.5–4.9 27.72S 75.43E 0 3.7,3.4b
¶601663588
IDC Error ellipse: s-maj=169.8km s-min=38.7km az=42.0.
IDC VII 08 18 16 53.0–1.9 28.94S 74.80E 0 3.9,3.7
¶601664302
IDC Error ellipse: s-maj=55.7km s-min=37.0km az=81.0.
IDC VII 09 13 48 10.7–19 28.05S 73.65E 0 4.2,3.9
¶601664333
IDC Error ellipse: s-maj=486.1km s-min=49.5km az=135.0.
IDC VII 10 06 34 27.4–18 21.17S 69.84E 0 3.6,3.5b
¶601664373
IDC Error ellipse: s-maj=600.6km s-min=31.0km az=52.0.
ISC VII 10 16 16 41.2–.88 29.1S–.20 74.9E–.20 10 3.8b,3.2s 13 21-146
ISCJB VII 10 16 16 39.6–.72 29.1S–.20 74.9E–.10 10 4.0b,3.3s **¶601405503**
IDC VII 10 16 16 39.5–.80 29.07S 74.75E 0 4.0,3.8
NEIC VII 10 16 16 41.1–.62 29.03S 74.86E 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=17.5km az=24.4.
IDC Error ellipse: s-maj=29.2km s-min=22.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=15.5km az=205.0.
IDC VII 10 19 58 02.5–.84 29.18S 74.88E 0 3.9,3.7b
¶601664396
IDC Error ellipse: s-maj=30.4km s-min=23.3km az=78.0.
IDC VII 11 12 16 49.8–7.0 29.22S 74.98E 0 4.0,3.8
¶601664426
IDC Error ellipse: s-maj=182.8km s-min=41.1km az=55.0.
IDC VII 11 15 23 38.1–25 28.98S 76.85E 0 3.9,3.6
¶601664432
IDC Error ellipse: s-maj=598.2km s-min=47.8km az=62.0.
IDC VII 11 22 33 16.5–.97 29.03S 74.85E 0 4.0s,4.0
¶601664453
IDC Error ellipse: s-maj=43.6km s-min=22.5km az=85.0.
IDC VII 12 05 13 57.1–1.0 39.48S 78.91E 0 4.0,3.8
¶601664466
IDC Error ellipse: s-maj=38.3km s-min=21.8km az=102.0.
IDC VII 12 11 03 37.3–24 29.20S 74.74E 0 4.0,3.7

¶601664479

IDC Error ellipse: s-maj=580.1km s-min=48.3km az=64.0.

IDC VII 12 11 35 55.3–5.4 28.85S 75.02E 0 4.1,3.9

¶601664482

IDC Error ellipse: s-maj=147.4km s-min=36.3km az=51.0.

ISC VII 12 16 18 58.7–.42 29.12S–.09 74.97E–.10 10 4.6b 73 21-146

ISCJB VII 12 16 18 56.8–.30 29.14S–.06 75.00E–.07 10 4.5b **¶601625030**

IDC VII 12 16 18 57.1–.53 29.08S 74.99E 0 4.2,4.1

NEIC VII 12 16 18 58.6–.21 29.10S 74.95E 10 4.8b,4.1

GCMT VII 12 16 18 58.6–.40 29.05S 74.96E 18–1 4.9W,4.1

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.9km az=141.8.

IDC Error ellipse: s-maj=17.5km s-min=16.3km az=71.0.

NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=45.0.

GCMT Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s17,c22; s67,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.35±.25 $M_{\theta\theta}$1.32±.15; $M_{\phi\phi}$2.03±.15; $M_{r\theta}$-0.06±.36; $M_{\theta\phi}$-1.26±.09; $M_{\phi r}$-0.31±.34; Best double couple: NP1:ϕ_s326.00000° ,δ47.00000°,λ-85.00000°. NP2:ϕ_s139.00000°,δ43.00000°,λ-95.00000°. Principal axes: T 2.9920,Plg2.0000°,Azm53.0000°; N 0.3800,Plg4.0000°,Azm143.0000° ; P -3.3720,Plg86.0000°,Azm294.0000° $M_0$3.18200×10^{16}

ISC VII 12 16 25 46.5–.37 29.23S–.07 74.82E–.08 10 4.8b,4.3s 136 22-179

ISCJB VII 12 16 25 44.5–.26 29.17S–.06 74.97E–.05 10 4.7b,4.3s **¶601268270**

IDC VII 12 16 25 44.8–.40 29.12S 74.96E 0 4.5,4.4

BJI VII 12 16 25 44.5 29.74S 75.16E 24 5.1b,4.8s

NEIC VII 12 16 25 46.2–.16 29.12S 74.94E 10 4.9b,4.8s

GCMT VII 12 16 25 46.2–.20 29.04S 74.89E 13–0 5.0W,4.8s

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.6km az=19.8.

IDC Error ellipse: s-maj=13.4km s-min=12.3km az=33.0.

NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=206.0.

GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s41,c46; s100,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.54±.24 $M_{\theta\theta}$1.61±.15; $M_{\phi\phi}$2.94±.15; $M_{r\theta}$0.48±.34; $M_{\theta\phi}$-1.92±.08; $M_{\phi r}$1.07±.32; Best double couple: NP1:ϕ_s156.00000°,δ50.00000° ,λ-75.00000°. NP2:ϕ_s314.00000°,δ42.00000°,λ-107.00000°. Principal axes: T 4.3470,Plg4.0000°,Azm236.0000°; N 0.4450,Plg11.0000°,Azm326.0000° ; P -4.7830,Plg78.0000°,Azm127.0000° $M_0$4.56500×10^{16}

ISC VII 14 19 18 49.1–.39 12.28S–.07 65.60E–.07 10 4.8b,4.1s 248 8-160

ISCJB VII 14 19 18 47.0–.26 12.23S–.05 65.61E–.04 10 4.6b,4.2s **¶601273348**

IDC VII 14 19 18 47.6–.58 12.19S 65.64E 0 4.2,4.1

MOS VII 14 19 18 48.0–1.1 12.06S 65.60E 10 5.0b,4.1

NEIC VII 14 19 18 48.8–.22 12.22S 65.59E 10 4.9b,4.1

GCMT VII 14 19 18 48.8–.30 12.15S 65.60E 12 4.8W,4.1

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=16.1.

IDC Error ellipse: s-maj=16.8km s-min=16.2km az=65.0.

MOS Error ellipse: s-maj=9.6km s-min=5.7km az=103.8.

NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.4km az=209.0.

GCMT Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s18,c18; s70,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.08 $M_{\theta\theta}$0.24±.08; $M_{\phi\phi}$1.67±.07; $M_{r\theta}$0.64±.32; $M_{\theta\phi}$-0.65±.07; $M_{\phi r}$0.53±.27; Best double couple: NP1:ϕ_s178.00000°,δ52.00000° ,λ-65.00000°. NP2:ϕ_s321.00000°,δ44.00000°,λ-119.00000°. Principal axes: T 1.9430,Plg4.0000°,Azm250.0000°; N 0.2710,Plg19.0000°,Azm342.0000° ; P -2.2080,Plg70.0000°,Azm149.0000° $M_0$2.07500×10^{16}

IDC VII 31 20 46 21.6–3.8 7.79S 67.51E 0 3.8,3.7b

¶601650849

IDC Error ellipse: s-maj=104.3km s-min=34.6km az=64.0.

IDC VII 31 23 29 48.2–1.1 39.06S 78.59E 0 4.1,4.0

¶601650853

IDC Error ellipse: s-maj=37.9km s-min=28.9km az=168.0.

IDC VIII 01 19 23 25.5–7.9 27.74S 74.94E 0 3.7,3.5

¶601765323

IDC Error ellipse: s-maj=262.6km s-min=35.4km az=43.0.

IDC VIII 16 08 57 22.3–1.7 32.67S 77.99E 0 3.7,3.6b

¶601765928

IDC Error ellipse: s-maj=70.0km s-min=27.1km az=21.0.

ISC VIII 20 14 25 51.6–1.0 26.0S–.20 71.3E–.20 10 4.0b,3.5s 17 18-94

ISCJB VIII 20 14 25 49.9–.69 25.9S–.20 71.4E–.10 10 4.0b,3.5s **¶601652999**

IDC VIII 20 14 25 50.1–.99 25.91S 71.30E 0 4.2,4.0b

NEIC VIII 20 14 25 51.6–.48 25.89S 71.31E 10 4.5b,4.0b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=15.4km az=14.0.

IDC Error ellipse: s-maj=32.1km s-min=22.6km az=7.0.

NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=13.0.

IDC VIII 23 16 53 00.6–3.1 10.25S 66.67E 0 3.8,3.7

¶601766363

IDC Error ellipse: s-maj=106.6km s-min=27.6km az=61.0.

IDC VIII 24 01 47 48.6–1.8 40.19S 78.15E 0 4.0,3.8

¶601766377

IDC Error ellipse: s-maj=49.9km s-min=30.8km az=112.0.

ISC VIII 24 22 49 02.9–.79 37.0S–.20 78.1E–.10 9 4.3b,4.0s 12 29-92

ISCJB VIII 24 22 49 01.1–.67 37.0S–.20 78.2E–.10 9 4.5b,4.0s **¶601683837**

IDC VIII 24 22 49 01.9–12 36.91S 78.18E 0 4.4,4.2

NEIC VIII 24 22 49 03.0–.45 36.97S 78.14E 10 4.4b,4.2

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=14.0km az=27.0.

IDC Error ellipse: s-maj=389.3km s-min=46.8km az=35.0.

NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.6km az=207.0.

IDC VIII 27 15 18 53.9–10 21.61S 67.73E 0 3.9,3.8

¶601766571

IDC Error ellipse: s-maj=335.4km s-min=27.4km az=51.0.

IDC VIII 27 15 23 01.8–1.4 16.38S 66.76E 0 3.8,3.7b

¶601766572

IDC Error ellipse: s-maj=40.7km s-min=26.8km az=46.0.

IDC VIII 30 06 03 59.5–.93 22.60S 69.36E 0 4.1,4.0b

¶601755599

IDC Error ellipse: s-maj=33.0km s-min=22.5km az=66.0.

IDC IX 06 03 03 12.7–5.5 27.80S 73.64E 0 4.1,3.9b

¶601863022

IDC Error ellipse: s-maj=152.8km s-min=36.2km az=52.0.

IDC IX 07 00 55 06.1–2.6 26.49S 71.71E 0 4.0s,4.0

¶601863080

IDC Error ellipse: s-maj=80.0km s-min=28.4km az=41.0.

IDC IX 12 21 18 19.0–1.7 23.17S 69.23E 0 4.0,3.8b

¶601863433

IDC Error ellipse: s-maj=55.8km s-min=26.7km az=75.0.

ISC IX 14 21 09 52.0–.72 14.4S–.20 66.2E–.10 13 4.3b,3.8s 31 9-162

IDC IX 14 21 09 49.6–.79 14.48S 66.16E 0 4.2,4.1b **¶601738694**

ISCJB IX 14 21 09 50.1–.63 14.4S–.10 66.18E–.09 13 4.1b,3.8s

NEIC IX 14 21 09 51.6–.43 14.41S 66.19E 10 4.4b,3.8s

ISC Event type se.

IDC Error ellipse: s-maj=27.7km s-min=18.4km az=11.0.

ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=11.7km az=164.4.

NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.8km az=163.0.

IDC IX 17 06 25 15.0–21 25.37S 71.59E 0 3.6,3.4

¶601863696

IDC Error ellipse: s-maj=709.2km s-min=39.6km az=49.0.

ISC IX 18 21 41 40.6–.57 37.9S–.10 78.1E–.10 10 4.0b,4.0s 34 29-167

ISCJB IX 18 21 41 38.7–.38 37.87S–.07 78.1E–.10 10 4.1b,4.0s **¶601725190**

IDC IX 18 21 41 38.9–.71 37.85S 78.06E 0 4.2,4.1b

NEIC IX 18 21 41 40.5–.35 37.86S 78.05E 10 4.0b,4.1b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=9.9km az=25.4.

IDC Error ellipse: s-maj=22.7km s-min=18.2km az=118.0.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.8km az=85.0.

IDC IX 19 01 15 56.7–10 38.03S 77.68E 0 4.2,4.0

¶601863797

IDC Error ellipse: s-maj=327.0km s-min=45.2km az=34.0.

ISC IX 19 13 49 28.2–1.5 41.2S–.20 80.8E–.30 11 4.0b,3.9s 14 27-94

ISCJB IX 19 13 49 26.1–1.3 41.1S–.20 80.7E–.30 11 3.9b,3.8s **¶601739624**

IDC IX 19 13 49 26.7–1.7 41.23S 80.63E 0 4.1,3.9

NEIC IX 19 13 49 27.9–1.3 41.20S 80.73E 10 4.0b,3.9

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=31.3km s-min=19.6km az=151.0.

IDC Error ellipse: s-maj=45.3km s-min=29.4km az=74.0.

NEIC Event type se. Error ellipse: s-maj=34.1km s-min=20.7km az=58.0.

ISC IX 23 10 28 05.5–.53 17.0S–.10 66.47E–.09 21 4.4s,4.2b 51 11-158

IDC IX 23 10 28 02.0–.71 16.77S 66.39E 0 4.4s,4.3 **¶601737049**

ISCJB IX 23 10 28 03.5–.38 16.87S–.09 66.41E–.06 21 4.4s,4.2b

NEIC IX 23 10 28 03.6–.32 16.79S 66.38E 10 4.7b,4.2b

GCMT IX 23 10 28 11.6–.10 16.02S–.01 67.22E–.01 13–1 5.3W,4.2b

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c120; s119,c204;Duration: 1ŧ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.01 $M_{\theta\theta}$-0.85±.02; $M_{\phi\phi}$0.95±.02; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$0.32±.01; $M_{\phi r}$0.04±.03; Best double couple: NP1:ϕ_s146.00000°,δ81.00000°,λ-170.00000°. NP2:ϕ_s54.00000°,δ80.00000°,λ-9.00000°. Principal axes: T 1.0060,Plg1.0000° ,Azm280.0000°; N -0.0540,Plg77.0000°,Azm188.0000°; P -0.9520,Plg13.0000° ,Azm10.0000° $M_0$0.97900×10^{17}

IDC IX 27 19 00 22.3–1.2 20.90S 68.73E 0 3.9,3.8b

¶601864303

IDC Error ellipse: s-maj=39.4km s-min=30.8km az=8.0.

IDC IX 28 07 54 48.2–20 21.85S 68.65E 0 4.0,3.8

¶601864342

IDC Error ellipse: s-maj=678.0km s-min=41.1km az=54.0.

ISC IX 28 22 47 48.6–.74 24.3S–.20 68.9E–.10 10 4.1b 11 17-84

ISCJB IX 28 22 47 46.7–.63 24.3S–.20 68.95E–.10 10 4.3b,3.3s **¶601864372**

IDC IX 28 22 47 47.1–19 24.25S 68.97E 0 4.0,3.8b

NEIC IX 28 22 47 48.6–.60 24.34S 68.94E 10 4.5b,3.8b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=13.1km az=0.0.

IDC Error ellipse: s-maj=621.6km s-min=43.3km az=52.0.

NEIC Event type se. Error ellipse: s-maj=24.2km s-min=12.6km az=182.0.

ISC IX 29 17 40 03.3–1.1 11.8S–.20 66.2E–.20 16 3.8b,3.7s 7 7-69

ISCJB IX 29 17 40 01.0–.82 11.8S–.20 66.2E–.10 16 3.6s,3.6b **¶601857495**

IDC IX 29 17 40 00.7–1.3 11.77S 66.19E 0 3.9L,3.8

GCMT IX 29 17 40 02.0–.50 12.10S–.03 65.72E–.02 17–2 4.8W,3.8

ISC Event type ke.

ISCJB Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s13,c16; s66,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.16 $M_{\theta\theta}$-1.55±.12; $M_{\phi\phi}$1.98±.13; $M_{r\theta}$0.51±.34; $M_{\theta\phi}$1.09±.11; $M_{\phi r}$-0.09±.29; Best double couple: NP1:ϕ_s239.00000°,δ78.00000° ,λ-14.00000°. NP2:ϕ_s332.00000°,δ77.00000°,λ-168.00000°. Principal axes: T 2.2900,Plg1.0000°,Azm286.0000°; N -0.2650,Plg72.0000°,Azm19.0000° ; P -2.0280,Plg18.0000°,Azm196.0000° $M_0$2.15900×10^{16}

ISC X 03 03 45 11.8–.70 24.0S–.10 69.7E–.20 10 4.3b,3.8s 38 17-164

ISCJB X 03 03 45 09.9–.45 24.04S–.08 69.7E–.10 10 4.3b,3.8s **¶601901414**

IDC X 03 03 45 10.3–1.0 24.06S 69.65E 0 4.0,3.8

NEIC X 03 03 45 11.7–.40 24.07S 69.67E 10 4.7b,3.8

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=10.8km az=152.7.

IDC Error ellipse: s-maj=33.6km s-min=23.0km az=47.0.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.7km az=63.0.

IDC X 05 21 48 05.4–23 16.57S 68.19E 0 3.8,3.6

¶601997206

IDC Error ellipse: s-maj=789.5km s-min=33.3km az=57.0.

IDC X 07 10 12 51.6–1.3 22.90S 72.40E 0 4.0,3.8

¶601997361

IDC Error ellipse: s-maj=47.1km s-min=31.5km az=6.0.

IDC X 09 15 44 04.6–2.3 15.22S 66.95E 0 3.9,3.8s

¶601997674

IDC Error ellipse: s-maj=69.7km s-min=33.6km az=58.0.

IDC X 10 00 31 42.1–1.9 15.24S 67.27E 0 4.0,3.8b

¶601997704

IDC Error ellipse: s-maj=62.0km s-min=37.9km az=34.0.

IDC X 11 04 25 26.6–1.2 39.40S 78.04E 0 4.0,3.8

¶601997840

IDC Error ellipse: s-maj=34.2km s-min=25.0km az=110.0.

ISC X 16 00 16 43.2–.47 36.88S–.09 78.5E–.10 15 4.7b,4.3s 73 29-101

IDC X 16 00 16 40.5–.58 36.86S 78.46E 0 4.3,4.2 **¶601835762**

ISCJB X 16 00 16 41.5–.31 36.84S–.06 78.55E–.09 15 4.5b,4.2s

NEIC X 16 00 16 41.9–.28 36.87S 78.54E 10 4.9b,4.2s

BJI X 16 00 16 41.2 36.80S 78.70E 10 5.1b,4.9b

GCMT X 16 00 16 45.9–.30 36.86S–.02 78.41E–.02 20–1 5.0W,4.9b

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c25; s84,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.16 $M_{\theta\theta}$-3.22±.13; $M_{\phi\phi}$3.79±.15; $M_{r\theta}$0.20±.24; $M_{\theta\phi}$0.89±.13; $M_{\phi r}$0.08±.25; Best double couple: NP1:ϕ_s232.00000°,δ88.00000°,λ-4.00000°. NP2:ϕ_s322.00000°,δ86.00000°,λ-178.00000°. Principal axes: T 3.9030,Plg1.0000° ,Azm277.0000°; N -0.5570,Plg86.0000°,Azm25.0000°; P -3.3430,Plg4.0000°,Azm187.0000° $M_0$3.62300×10^{16}

ISC X 18 17 53 49.2–.81 26.4S–.20 71.2E–.20 10 3.7b,3.4s 11 19-81

ISCJB X 18 17 53 47.3–.63 26.4S–.10 71.3E–.10 10 3.8b,3.4s **¶601867595**

IDC X 18 17 53 47.3–.79 26.37S 71.25E 0 3.9,3.8b

NEIC X 18 17 53 49.1–.50 26.34S 71.26E 10 4.1b,3.8b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=18.4km az=6.1.

IDC Error ellipse: s-maj=24.8km s-min=22.8km az=20.0.

NEIC Event type se. Error ellipse: s-maj=15.6km s-min=14.9km az=189.0.

ISC X 19 10 13 55.1–.29 9.30S–.05 67.07E–.04 10 4.9s,4.8b 422 5-158

ISCJB X 19 10 13 52.9–.22 9.30S–.04 67.06E–.03 10 4.9s,4.7b **¶601838905**

BJI X 19 10 13 52.3 9.37S 66.56E 8 5.0b,5.0s

IDC X 19 10 13 53.5–.40 9.31S 67.00E 0 4.6s,4.6

MOS X 19 10 13 53.3–1.4 9.24S 66.98E 9 5.1b,4.7s

NEIC X 19 10 13 55.0–.21 9.29S 67.06E 10 5.0s,4.8b

GCMT X 19 10 13 58.0–.10 9.28S–.01 66.94E–.01 18–0 5.6W,4.8b

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c188; s137,c344; Duration: 1ŧ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30±.03 $M_{\theta\theta}$-2.88±.03; $M_{\phi\phi}$3.18±.03; $M_{r\theta}$-0.64±.08; $M_{\theta\phi}$0.51±.03; $M_{\phi r}$0.64±.08; Best double couple: NP1:ϕ_s140.00000°,δ87.00000° ,λ-163.00000°. NP2:ϕ_s49.00000°,δ73.00000°,λ-3.00000°. Principal axes: T 3.3190,Plg9.0000°,Azm274.0000°; N -0.2220,Plg73.0000°,Azm151.0000° ; P -3.0960,Plg14.0000°,Azm6.0000° $M_0$3.20800×10^{17}

IDC X 26 14 34 06.4–1.1 36.60S 79.10E 0 4.1s,4.1

GCMT X 26 14 34 12.0–.40 36.39S–.02 79.22E–.03 34–1 5.0W,4.1 **¶601999747**

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s15,c20; s63,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.35 $M_{\theta\theta}$-4.13±.25; $M_{\phi\phi}$4.03±.25; $M_{r\theta}$-0.35±.26; $M_{\theta\phi}$-0.67±.18; $M_{\phi r}$-0.50±.23; Best double couple: NP1:ϕ_s220.00000° ,δ89.00000°,λ8.00000°. NP2:ϕ_s130.00000°,δ82.00000°,λ179.00000°. Principal axes: T 4.1400,Plg7.0000°,Azm86.0000°; N 0.0800,Plg82.0000°,Azm228.0000° ; P -4.2190,Plg5.0000°,Azm355.0000° $M_0$4.18000×10^{16}

IDC X 30 06 06 27.6–2.2 30.34S 75.75E 0 4.1,3.8b

¶602000437

IDC Error ellipse: s-maj=61.1km s-min=30.0km az=112.0.

IDC XI 07 01 06 10.8–27 24.42S 69.21E 0 3.7b,3.7

¶602388936

IDC Error ellipse: s-maj=934.6km s-min=40.5km az=51.0.

IDC XI 07 02 10 47.4–1.9 24.00S 69.92E 0 3.8,3.6

¶602388939

IDC Error ellipse: s-maj=59.0km s-min=36.4km az=83.0.

ISC XI 09 16 56 43.6–.52 25.0S–.10 69.9E–.10 19 4.6b,4.0s 79 17-173
IDC XI 09 16 56 40.3–.52 24.94S 69.91E 0 4.4,4.3b **¶601882849**
ISCJB XI 09 16 56 41.9–.35 25.03S–.07 69.98E–.08 19 4.6b,4.0s
NEIC XI 09 16 56 41.9–.36 24.97S 69.98E 10 4.3b,4.0s
GCMT XI 09 16 56 43.9–.30 24.58S–.04 69.89E–.02 12 4.9W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s70,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.93±.07 $M_{\theta\theta}$0.24±.08; $M_{\phi\phi}$1.70±.07; $M_{r\theta}$1.54±.31; $M_{\theta\phi}$-0.78±.06; $M_{\theta r}$0.91±.28; Best double couple: NP1:ϕ_s186.00000°,δ57.00000°,λ-52.00000°. NP2:ϕ_s312.00000°,δ48.00000°,λ-133.00000°. Principal axes: T 2.0560,Plg5.0000° ,Azm251.0000°; N 0.9690,Plg31.0000°,Azm344.0000°; P -3.0170,Plg59.0000° ,Azm152.0000° $M_0$2.53700×10^{16}
IDC XI 10 12 02 44.2–48 8.29S 67.84E 0 3.7,3.5
¶602389148
IDC Error ellipse: s-maj=1424.0km s-min=50.6km az=69.0.
ISC XI 12 23 02 25.3–.40 37.87S–.07 77.89E–.09 10 4.8b,4.7s 79 29-154
ISCJB XI 12 23 02 22.9–.27 37.83S–.05 77.96E–.07 10 4.7s,4.6b **¶601890519**
IDC XI 12 23 02 23.4–.53 37.88S 77.95E 0 4.6s,4.6
NEIC XI 12 23 02 24.9–.31 37.82S 77.95E 10 4.8b,4.6
GCMT XI 12 23 02 25.9–.20 37.66S–.02 77.90E–.02 17–1 5.3W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c35; s92,c135;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$-0.52±.03; $M_{\phi\phi}$0.63±.03; $M_{r\theta}$-0.00±.08; $M_{\theta\phi}$-0.64±.03; $M_{\theta r}$0.49±.11; Best double couple: NP1:ϕ_s21.00000°,δ88.00000°,λ27.00000°. NP2:ϕ_s289.00000°,δ63.00000°,λ177.00000°. Principal axes: T 1.0900,Plg21.0000° ,Azm248.0000°; N -0.2260,Plg63.0000°,Azm25.0000°; P -0.8650,Plg17.0000° ,Azm152.0000° $M_0$0.97700×10^{17}
IDC XI 12 23 32 27.3–1.1 37.72S 78.02E 0 4.2,4.1
¶602389310
IDC Error ellipse: s-maj=38.8km s-min=26.0km az=172.0.
IDC XI 17 13 44 11.0–1.7 24.72S 69.97E 0 4.0,3.8b
¶602389567
IDC Error ellipse: s-maj=54.1km s-min=28.2km az=77.0.
ISC XI 26 12 28 31.6–1.2 34.1S–.20 77.9E–.30 10 4.1s,4.0b 9 27-151
ISCJB XI 26 12 28 29.9–1.0 34.1S–.20 77.9E–.30 10 4.1s,4.0b **¶602390027**
IDC XI 26 12 28 30.0–1.2 34.09S 77.85E 0 4.1,4.0
GCMT XI 26 12 28 35.0–.30 34.02S–.03 77.73E–.04 12–1 4.8W,4.0
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c28; s62,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.20±.17 $M_{\theta\theta}$1.78±.14; $M_{\phi\phi}$0.42±.10; $M_{r\theta}$-0.66±.36; $M_{\theta\phi}$-1.13±.08; $M_{\theta r}$0.06±.33; Best double couple: NP1:ϕ_s112.00000°,δ53.00000° ,λ-99.00000°. NP2:ϕ_s307.00000°,δ38.00000°,λ-78.00000°. Principal axes: T 2.4980,Plg7.0000°,Azm209.0000°; N -0.1820,Plg7.0000°,Azm118.0000° ; P -2.3140,Plg80.0000°,Azm344.0000° $M_0$2.40600×10^{16}
ISC XI 28 08 54 42.1–3.1 13.9S–.50 66.0E–.40 15 4.0b,3.6s 10 9-151
IDC XI 28 08 54 40.2–3.0 13.80S 65.93E 0 3.9,3.9 **¶602390107**
ISC Event type ke.
IDC Error ellipse: s-maj=90.5km s-min=23.9km az=149.0.
ISC XII 02 06 13 40.1–.39 13.83S–.08 65.98E–.07 15 4.5b,4.0s 111 9-162
ISCJB XII 02 06 13 38.4–.28 13.76S–.06 66.04E–.05 15 4.5b,4.0s **¶601995759**
IDC XII 02 06 13 38.0–.50 13.74S 66.01E 0 4.8L,4.4
NEIC XII 02 06 13 39.2–.21 13.79S 66.00E 10 4.8b,4.4
BJI XII 02 06 13 41.1 13.90S 66.00E 24 5.0b,4.7b
GCMT XII 02 06 13 42.2–.30 13.73S–.02 65.97E–.02 12 4.9W,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c20; s93,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.20±.11 $M_{\theta\theta}$-2.38±.10; $M_{\phi\phi}$2.58±.09; $M_{r\theta}$-0.17±.31; $M_{\theta\phi}$1.11±.10; $M_{\theta r}$0.79±.29; Best double couple: NP1:ϕ_s327.00000°,δ87.00000°,λ165.00000°. NP2:ϕ_s58.00000°,δ75.00000°,λ4.00000°. Principal axes: T 2.9890,Plg13.0000° ,Azm281.0000°; N -0.3270,Plg75.0000°,Azm134.0000°; P -2.6650,Plg8.0000°,Azm13.0000° $M_0$2.82700×10^{16}
ISC XII 04 22 38 18.0–.98 42.8S–.20 83.2E–.30 10 4.2b,3.7s 12 25-148
ISCJB XII 04 22 38 16.4–.88 42.8S–.20 83.3E–.30 10 4.3b,3.7s **¶602390471**
IDC XII 04 22 38 16.2–.96 42.84S 83.17E 0 4.3,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.9km s-min=22.3km az=162.6.
IDC Error ellipse: s-maj=32.8km s-min=25.8km az=71.0.
IDC XII 12 02 10 13.1–11 28.19S 75.26E 0 4.6s,4.6
¶602391139
IDC Error ellipse: s-maj=569.4km s-min=56.6km az=31.0.
IDC XII 12 02 44 49.9–4.6 28.64S 74.88E 0 4.2,4.0
¶602391143
IDC Error ellipse: s-maj=204.2km s-min=50.0km az=35.0.
IDC XII 12 04 06 28.8–6.1 28.91S 74.72E 0 3.9,3.6
¶602391150
IDC Error ellipse: s-maj=214.4km s-min=37.9km az=41.0.
IDC XII 12 04 10 08.0–15 28.31S 75.15E 0 4.1,3.8
¶602391151
IDC Error ellipse: s-maj=771.0km s-min=58.1km az=31.0.
IDC XII 12 04 20 20.5–6.2 28.49S 75.08E 0 4.0,3.8
¶602391153
IDC Error ellipse: s-maj=225.2km s-min=39.5km az=40.0.
IDC XII 12 04 40 56.9–17 28.35S 75.13E 0 3.9,3.7
¶602391156
IDC Error ellipse: s-maj=579.5km s-min=44.7km az=45.0.
IDC XII 12 04 46 50.6–3.3 29.15S 74.41E 0 4.2,4.0b
¶602391157
IDC Error ellipse: s-maj=103.5km s-min=32.2km az=44.0.
IDC XII 12 05 27 16.8–1.4 28.95S 74.61E 0 4.2,4.0
¶602391158
IDC Error ellipse: s-maj=47.3km s-min=26.3km az=67.0.
IDC XII 12 05 58 35.9–3.6 29.06S 74.55E 0 4.2,3.9
¶602391161
IDC Error ellipse: s-maj=107.0km s-min=36.4km az=46.0.
IDC XII 12 07 32 55.0–1.5 28.95S 74.63E 0 4.2,4.0
¶602391164
IDC Error ellipse: s-maj=48.4km s-min=27.6km az=70.0.
IDC XII 12 11 15 30.2–3.5 29.04S 74.54E 0 4.2,3.9
¶602391180
IDC Error ellipse: s-maj=101.8km s-min=35.2km az=47.0.
IDC XII 12 20 01 56.2–3.7 28.95S 74.83E 0 4.0,3.7
¶602391205
IDC Error ellipse: s-maj=104.7km s-min=45.1km az=48.0.
IDC XII 12 20 02 17.4–1.5 28.92S 74.67E 0 4.1,3.8
¶602391208
IDC Error ellipse: s-maj=48.6km s-min=28.5km az=78.0.
IDC XII 20 11 14 18.3–24 17.17S 67.06E 0 4.0,3.8
¶602391725
IDC Error ellipse: s-maj=660.7km s-min=65.6km az=142.0.
IDC XII 20 19 21 45.1–4.6 16.93S 67.17E 0 3.9,3.7
¶602391748
IDC Error ellipse: s-maj=134.4km s-min=32.6km az=61.0.
IDC XII 27 18 08 01.7–6.6 40.75S 81.25E 0 3.8,3.6
¶602380725
IDC Error ellipse: s-maj=175.0km s-min=42.7km az=36.0.
IDC XII 31 11 44 34.8–4.1 13.03S 66.11E 0 3.7,3.7
¶602380489
IDC Error ellipse: s-maj=105.1km s-min=58.6km az=176.0.

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ISC IX 03 22 50 22.2–1.2 48.4S–.20 31.4E–.40 18 3.8b,3.2s 7 18-67
IDC IX 03 22 50 19.4–1.2 48.39S 31.41E 0 4.2L,3.9 **¶601862885**
ISCJB IX 03 22 50 20.5–.93 48.4S–.10 31.4E–.50 18 3.7b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC IX 10 04 23 54.7–1.1 53.02S 22.60E 0 3.8,3.7b
¶601863280
IDC Error ellipse: s-maj=44.7km s-min=27.2km az=80.0.
ISC IX 10 12 17 24.4–1.6 52.9S–.30 22.3E–.40 10 3.9b 6 18-149
IDC IX 10 12 17 22.7–1.6 52.98S 22.36E 0 4.1,3.9b **¶601863294**
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=47.4km az=34.0.
ISC IX 25 01 43 13.4–.24 53.21S–.05 25.53E–.06 10 5.2b,4.2s 456 17-169
IDC IX 25 01 43 11.6–.35 53.21S 25.54E 0 5.1,5.0 **¶601738956**
MOS IX 25 01 43 12.2–1.0 53.17S 25.58E 10 5.2b,5.0
ISCJB IX 25 01 43 12.0–.20 53.14S–.04 25.49E–.08 10 5.1b,4.3s
BJI IX 25 01 43 13.6 53.62S 25.78E 14 5.5b,5.4s
NEIC IX 25 01 43 14.2–.83 53.21S 25.58E 15–4 5.2b,5.4s
GCMT IX 25 01 43 17.2–.20 52.96S–.01 25.76E–.02 20–1 5.0W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c56; s95,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.43±.15 $M_{\theta\theta}$2.19±.12; $M_{\phi\phi}$-3.62±.12; $M_{r\theta}$0.04±.23; $M_{\theta\phi}$2.19±.10; $M_{\theta r}$-1.32±.24; Best double couple: NP1:ϕ_s205.00000°,δ87.00000°,λ160.00000°. NP2:ϕ_s296.00000°,δ70.00000°,λ3.00000°. Principal axes: T 3.0310,Plg16.0000° ,Azm159.0000°; N 1.5870,Plg70.0000°,Azm18.0000°; P -4.6180,Plg12.0000°,Azm252.0000° $M_0$3.82400×10^{16}
ISC X 08 05 55 27.9–.55 52.67S–.07 27.9E–.10 10 4.1b,3.6s 39 21-153
ISCJB X 08 05 55 26.4–.42 52.64S–.06 27.8E–.20 10 4.1b,3.6s **¶601804030**
IDC X 08 05 55 26.1–.65 52.75S 28.03E 0 4.0,3.9
NEIC X 08 05 55 28.0–.39 52.67S 27.81E 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=8.0km az=169.8.
IDC Error ellipse: s-maj=19.1km s-min=11.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.5km az=75.0.
ISC XI 21 10 33 47.6–.70 53.4S–.10 24.0E–.20 10 4.0b,3.2s 22 21-154
ISCJB XI 21 10 33 46.1–.53 53.35S–.08 23.9E–.20 10 4.2b,3.2s **¶601993438**
IDC XI 21 10 33 46.4–.81 53.38S 24.12E 0 4.1,4.0b
NEIC XI 21 10 33 47.4–.38 53.39S 23.96E 10 4.0b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=12.1km az=2.9.
IDC Error ellipse: s-maj=40.1km s-min=18.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.1km az=85.0.
ISC XI 29 08 29 41.8–.76 52.6S–.10 26.5E–.20 10 4.3b,3.1s 23 21-152
ISCJB XI 29 08 29 40.0–.58 52.6S–.10 26.3E–.30 10 4.1b,3.2s **¶602311692**
IDC XI 29 08 29 40.4–.86 52.51S 26.81E 0 4.1,4.0b
NEIC XI 29 08 29 41.7–.39 52.58S 26.50E 10 4.2b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=12.5km az=157.2.
IDC Error ellipse: s-maj=38.7km s-min=20.1km az=74.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.3km az=75.0.

(431) Prince Edward Islands region.

ISC VII 17 01 00 36.2–.60 47.41S–.09 32.5E–.20 10 4.2b,3.4s 30 17-87
IDC VII 17 01 00 35.2–.74 47.55S 32.37E 0 4.1,4.1 **¶601626167**
NEIC VII 17 01 00 37.0–.43 47.51S 32.32E 10 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=15.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=8.5km az=67.0.
ISC VII 27 23 02 15.5–.42 41.09S–.09 43.43E–.09 9 4.3b,3.7s 34 19-151
ISCJB VII 27 23 02 13.9–.36 41.11S–.07 43.43E–.10 9 4.3b,3.7s **¶601519877**
IDC VII 27 23 02 14.1–.63 41.12S 43.43E 0 4.1,4.0
NEIC VII 27 23 02 15.8–.20 41.10S 43.45E 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.2km az=139.4.
IDC Error ellipse: s-maj=26.0km s-min=16.9km az=50.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.4km az=49.0.
ISC VIII 04 22 23 33.7–.51 44.54S–.09 37.2E–.10 10 4.4b,3.8s 46 18-162
ISCJB VIII 04 22 23 31.7–.44 44.51S–.07 37.3E–.10 10 4.3b,3.9s **¶601518323**
IDC VIII 04 22 23 31.6–.67 44.50S 37.38E 0 4.4,4.3
NEIC VIII 04 22 23 33.5–.27 44.48S 37.40E 10 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=9.0km az=162.9.
IDC Error ellipse: s-maj=25.8km s-min=15.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.8km az=65.0.
ISC VIII 31 08 13 46.3–.50 43.41S–.08 40.2E–.10 10 4.3b,3.7s 43 19-148
ISCJB VIII 31 08 13 44.5–.39 43.40S–.06 40.2E–.10 10 4.3b,3.8s **¶601670417**
IDC VIII 31 08 13 44.3–.58 43.36S 40.33E 0 4.2,4.2
NEIC VIII 31 08 13 46.4–.38 43.45S 40.20E 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.0km az=160.4.
IDC Error ellipse: s-maj=22.6km s-min=12.5km az=67.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.8km az=62.0.
ISC IX 03 00 31 37.7–.74 44.4S–.10 37.8E–.20 10 4.1b 14 18-146
ISCJB IX 03 00 31 35.9–.66 44.42S–.09 37.8E–.20 10 4.0b,3.3s **¶601734433**
IDC IX 03 00 31 36.4–2.6 44.44S 37.84E 0 4.0,4.0b
NEIC IX 03 00 31 37.9–.48 44.41S 37.81E 10 4.1b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=11.6km az=161.8.
IDC Error ellipse: s-maj=120.3km s-min=21.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.1km az=73.0.
ISC IX 04 11 02 31.3–.97 44.5S–.10 37.3E–.20 10 3.7b,3.5s 9 18-146
ISCJB IX 04 11 02 29.8–.76 44.5S–.10 37.2E–.20 10 3.6b,3.5s **¶601862922**
IDC IX 04 11 02 29.8–.86 44.44S 37.33E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=12.9km az=150.0.
IDC Error ellipse: s-maj=34.5km s-min=19.5km az=62.0.
ISC IX 20 12 34 31.0–.93 44.4S–.20 35.5E–.30 10 3.6b,3.5s 9 17-91
ISCJB IX 20 12 34 29.4–.69 44.5S–.20 35.5E–.30 10 3.5s,3.5b **¶601863892**
IDC IX 20 12 34 29.6–.90 44.40S 35.68E 0 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.0km s-min=11.2km az=146.7.
IDC Error ellipse: s-maj=56.0km s-min=16.9km az=59.0.
ISC IX 26 05 57 17.8–.67 47.1S–.10 32.7E–.20 10 4.0b,3.5s 24 17-97
ISCJB IX 26 05 57 16.1–.46 47.17S–.08 32.7E–.20 10 4.0b,3.5s **¶601864193**
IDC IX 26 05 57 16.1–.77 47.15S 32.78E 0 4.1,4.0
NEIC IX 26 05 57 17.8–.30 47.17S 32.77E 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=9.1km az=157.9.
IDC Error ellipse: s-maj=37.4km s-min=16.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.1km az=66.0.
ISC X 18 02 19 02.6–.46 44.56S–.08 38.1E–.10 10 4.5b 74 18-163
ISCJB X 18 02 19 01.0–.34 44.56S–.06 38.0E–.10 10 4.5b,4.4s **¶601998735**
IDC X 18 02 19 01.0–.53 44.55S 38.08E 0 4.4,4.3b
NEIC X 18 02 19 02.8–.22 44.53S 38.11E 10 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.2km az=154.5.
IDC Error ellipse: s-maj=20.2km s-min=14.3km az=76.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=71.0.
ISC X 20 03 59 11.6–.62 44.85S–.10 35.3E–.20 10 4.4b,3.9s 25 17-155
ISCJB X 20 03 59 09.7–.48 44.85S–.07 35.2E–.20 10 4.2b,3.9s **¶601839930**
IDC X 20 03 59 10.0–.62 44.82S 35.37E 0 4.3,4.3
NEIC X 20 03 59 11.6–.44 44.81S 35.29E 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.4km az=163.0.
IDC Error ellipse: s-maj=28.1km s-min=14.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.0km az=66.0.
ISC XII 06 22 42 28.0–.53 44.84S–.09 35.8E–.10 10 4.2b,3.7s 27 17-147
ISCJB XII 06 22 42 26.3–.40 44.84S–.07 35.8E–.10 10 4.2b,3.7s **¶602064798**

IDC XII 06 22 42 26.6–.67 44.82S 35.91E 0 4.2,4.1
NEIC XII 06 22 42 28.1–.27 44.84S 35.82E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.5km az=156.3.
IDC Error ellipse: s-maj=26.5km s-min=15.1km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=66.0.
ISC XII 10 08 16 43.9–.76 44.7S–.10 35.9E–.20 10 4.2b,3.7s 22 17-155
ISCJB XII 10 08 16 42.1–.52 44.71S–.09 35.9E–.20 10 4.1b,3.7s **¶602037355**
IDC XII 10 08 16 42.1–.71 44.74S 36.11E 0 4.2,4.1
NEIC XII 10 08 16 43.9–.45 44.72S 35.96E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=9.5km az=154.8.
IDC Error ellipse: s-maj=35.9km s-min=15.6km az=66.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=9.0km az=65.0.
ISC XII 10 09 14 38.8–.93 44.6S–.20 36.5E–.30 10 3.9b,3.5s 8 17-155
ISCJB XII 10 09 14 37.0–.76 44.6S–.10 36.3E–.30 10 3.9b,3.5s **¶602390975**
IDC XII 10 09 14 37.3–.87 44.59S 36.42E 0 4.1,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.5km s-min=15.9km az=156.2.
IDC Error ellipse: s-maj=40.0km s-min=20.3km az=64.0.
IDC XII 31 01 33 49.9–2.3 42.81S 41.81E 0 3.9,3.8
¶602380462
IDC Error ellipse: s-maj=199.1km s-min=27.5km az=29.0.

(435) Southeast Indian Ridge.

IDC VII 27 14 23 28.7–1.1 49.45S 106.47E 0 4.0,3.7
¶601666524
IDC Error ellipse: s-maj=44.3km s-min=21.6km az=107.0.
ISC VIII 14 18 48 55.2–.53 47.51S–.10 100.1E–.10 11 4.8b,4.5s 36 16-155
ISCJB VIII 14 18 48 53.0–.41 47.51S–.06 100.1E–.10 11 4.8b,4.5s **¶601765845**
IDC VIII 14 18 48 53.8–.77 47.53S 100.10E 0 4.5,4.4
NEIC VIII 14 18 48 55.7–.92 47.50S 100.12E 14–5 4.9b,4.4
GCMT VIII 14 18 48 59.7–.30 47.48S–.02 99.93E–.02 14–2 5.2W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c36; s79,c110;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.28 $M_{\theta\theta}$6.79±.32; $M_{\phi\phi}$-6.11±.30; $M_{r\theta}$0.14±.61; $M_{\theta\phi}$3.30±.24; $M_{\phi r}$0.71±.54; Best double couple: NP1:ϕ_s212.00000°,δ87.00000°,λ-174.00000°. NP2:ϕ_s121.00000°,δ84.00000°,λ-3.00000°. Principal axes: T 7.5960,Plg2.0000° ,Azm346.0000°; N -0.6230,Plg84.0000°,Azm237.0000°; P -6.9730,Plg6.0000°,Azm77.0000° $M_0$7.28500×10^{16}
ISC VIII 14 18 52 34.5–1.1 47.6S–.10 100.4E–.20 10 4.0b 15 16-151
ISCJB VIII 14 18 52 32.7–.83 47.58S–.10 100.3E–.20 10 4.2b **¶601765846**
IDC VIII 14 18 52 32.9–1.5 47.53S 100.17E 0 4.1,3.9
NEIC VIII 14 18 52 34.9–.70 47.59S 100.34E 12–4 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=11.9km az=20.2.
IDC Error ellipse: s-maj=52.7km s-min=23.7km az=104.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.9km az=111.0.
IDC VIII 30 08 47 15.9–1.5 50.20S 113.96E 0 4.4,4.2
¶601755605
IDC Error ellipse: s-maj=100.2km s-min=19.9km az=111.0.
IDC VIII 30 11 11 22.6–2.1 49.88S 113.42E 0 4.0s,4.0
¶601755612
IDC Error ellipse: s-maj=148.1km s-min=25.8km az=119.0.
ISC IX 03 16 07 05.1–.53 47.66S–.09 99.8E–.10 11 4.4b,4.1s 36 17-154
ISCJB IX 03 16 07 03.4–.41 47.66S–.07 99.8E–.10 11 4.4b,4.1s **¶601672870**
IDC IX 03 16 07 03.6–.62 47.66S 99.84E 0 4.4,4.3b
NEIC IX 03 16 07 04.9–.27 47.66S 99.83E 10 4.4b,4.3b
GCMT IX 03 16 07 09.9–.40 47.63S–.02 99.85E–.03 17–2 4.9W,4.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c21; s63,c83;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.14 $M_{\theta\theta}$2.36±.13; $M_{\phi\phi}$-1.81±.10; $M_{r\theta}$-1.11±.36; $M_{\theta\phi}$0.64±.09; $M_{\phi r}$0.43±.29; Best double couple: NP1:ϕ_s124.00000°,δ86.00000°,λ-30.00000°. NP2:ϕ_s216.00000°,δ61.00000°,λ-176.00000°. Principal axes: T 2.7840,Plg18.0000° ,Azm174.0000°; N -0.6270,Plg60.0000°,Azm297.0000°; P -2.1610,Plg23.0000° ,Azm76.0000° $M_0$2.47200×10^{16}
ISC IX 06 18 21 15.5–.45 41.10S–.09 85.7E–.10 10 4.7s,4.5b 35 23-169
ISCJB IX 06 18 21 13.7–.37 41.13S–.07 85.7E–.10 10 4.7s,4.5b **¶601712322**
IDC IX 06 18 21 13.9–.49 41.12S 85.63E 0 4.6s,4.6
NEIC IX 06 18 21 15.5–.30 41.12S 85.65E 10 4.6b,4.6
GCMT IX 06 18 21 18.5–.10 41.14S–.01 85.80E–.01 12–1 5.2W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c111; s112,c200;Duration: 1ŝ0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.01 $M_{\theta\theta}$0.96±.02; $M_{\phi\phi}$-0.90±.02; $M_{r\theta}$0.07±.04; $M_{\theta\phi}$0.00±.01; $M_{\phi r}$0.01±.03; Best double couple: NP1:ϕ_s45.00000°,δ88.00000°,λ177.00000°. NP2:ϕ_s135.00000°,δ87.00000°,λ3.00000°. Principal axes: T 0.9630,Plg4.0000° ,Azm360.0000°; N -0.0610,Plg86.0000°,Azm187.0000°; P -0.9010,Plg0.0000°,Azm90.0000° $M_0$0.93200×10^{17}
IDC IX 06 18 46 10.2–2.0 41.15S 85.57E 0 4.2,4.0
¶601863064
IDC Error ellipse: s-maj=50.8km s-min=37.0km az=88.0.
IDC X 01 04 24 30.1–1.1 49.91S 111.00E 0 4.2,4.0b
¶601996355
IDC Error ellipse: s-maj=49.2km s-min=22.4km az=107.0.
IDC X 01 04 57 08.5–2.3 49.66S 110.65E 0 4.1,3.8
¶601996358
IDC Error ellipse: s-maj=59.9km s-min=52.2km az=120.0.
IDC X 01 06 18 32.2–2.4 49.71S 110.48E 0 4.1,3.8
¶601996364
IDC Error ellipse: s-maj=59.6km s-min=53.9km az=126.0.
IDC X 01 07 54 32.9–2.5 49.76S 110.47E 0 4.0,3.8
¶601996369
IDC Error ellipse: s-maj=60.9km s-min=54.8km az=145.0.
IDC X 01 14 23 47.1–2.4 50.13S 110.65E 0 3.8,3.6
¶601996400
IDC Error ellipse: s-maj=56.7km s-min=52.8km az=147.0.
IDC X 04 03 35 13.3–11 50.03S 112.55E 0 4.1,3.8b
¶601997000
IDC Error ellipse: s-maj=495.2km s-min=56.1km az=108.0.
ISC X 11 06 34 35.7–.68 41.5S–.10 87.0E–.20 10 4.3b,3.6s 25 22-168
ISCJB X 11 06 34 33.8–.57 41.4S–.10 86.9E–.20 10 4.2b,3.7s **¶601828951**
IDC X 11 06 34 34.4–.83 41.50S 86.99E 0 4.2,4.1b
NEIC X 11 06 34 35.5–.40 41.44S 86.88E 10 4.2b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=11.7km az=34.0.
IDC Error ellipse: s-maj=28.5km s-min=19.0km az=119.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=122.0.
IDC X 21 16 27 24.2–2.6 48.20S 107.05E 0 3.9,3.7s
¶601999185
IDC Error ellipse: s-maj=65.8km s-min=57.4km az=148.0.
IDC X 23 22 49 45.6–1.3 45.90S 95.98E 0 3.9,3.8
¶601999426
IDC Error ellipse: s-maj=42.0km s-min=22.8km az=114.0.
IDC X 25 17 29 53.2–36 42.27S 86.15E 0 3.9,3.6b
¶601999632
IDC Error ellipse: s-maj=852.9km s-min=48.5km az=39.0.
IDC XI 07 07 25 53.6–3.7 49.55S 110.19E 0 4.2,3.9
¶602388949
IDC Error ellipse: s-maj=158.9km s-min=50.2km az=115.0.
IDC XI 13 10 08 20.9–15 49.93S 111.53E 0 4.1,3.8
¶602389336
IDC Error ellipse: s-maj=724.4km s-min=54.6km az=110.0.

IDC XI 20 17 06 02.6–30 48.23S 101.40E 0 4.1s,4.1
¶602389745
IDC Error ellipse: s-maj=850.4km s-min=31.5km az=109.0.
IDC XI 22 15 26 33.4–2.3 50.16S 113.76E 0 3.9,3.6
¶602389841
IDC Error ellipse: s-maj=57.2km s-min=52.4km az=90.0.
ISC XII 03 02 50 11.0–.44 47.70S–.10 105.1E–.10 10 4.7b,4.5s 58 14-154
ISCJB XII 03 02 50 09.3–.44 47.57S–.09 105.1E–.10 10 4.7b,4.4s **¶601995898**
NEIC XII 03 02 50 10.7–.30 47.51S 104.95E 10 4.6b,4.4s
IDC XII 03 02 50 12.3–1.0 48.46S 106.87E 0 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=146.5.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.4km az=141.0.
IDC Error ellipse: s-maj=44.1km s-min=21.0km az=99.0.
IDC XII 06 09 11 53.7–4.2 49.63S 108.89E 0 3.9,3.6
¶602390544
IDC Error ellipse: s-maj=156.3km s-min=29.0km az=105.0.
ISC XII 29 05 22 45.4–.69 52.94S–.09 107.0E–.20 10 4.0b 34 13-156
ISCJB XII 29 05 22 43.6–.66 52.95S–.08 107.1E–.30 10 4.1b **¶602335537**
IDC XII 29 05 22 44.1–.95 52.99S 107.18E 0 4.2,4.0
NEIC XII 29 05 22 46.0–.41 52.93S 107.17E 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=9.8km az=14.4.
IDC Error ellipse: s-maj=39.3km s-min=16.7km az=115.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.0km az=105.0.

(437) South of Australia.

ISC VII 24 13 52 28.9–.65 65.82S–.08 134.3E–.10 10 4.5b,4.0s 28 10-148
IDC VII 24 13 52 28.4–.87 65.73S 134.14E 0 4.9L,4.6 **¶601511855**
NEIC VII 24 13 52 29.6–.64 65.82S 133.75E 10 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=13.9km az=88.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=14.0km az=85.0.
IDC VIII 31 15 04 08.2–3.7 61.65S 115.82E 0 3.8,3.5
¶601755712
IDC Error ellipse: s-maj=161.0km s-min=29.6km az=88.0.
ISC XI 09 05 51 42.2–.25 42.80S–.05 124.74E–.05 10 5.2b,4.5s 721 10-166
IDC XI 09 05 51 40.5–.51 42.77S 124.80E 0 5.1,5.0 **¶601882377**
ISCJB XI 09 05 51 40.8–.20 42.76S–.03 124.76E–.04 10 5.1b,4.5s
BJI XI 09 05 51 40.5 42.70S 124.70E 5 5.4b,5.1b
MOS XI 09 05 51 41.0–.99 42.70S 124.75E 10 5.2b,5.1b
GCMT XI 09 05 51 41.2–.10 42.94S–.01 124.75E–.01 17–0 5.3W,5.1b
NEIC XI 09 05 51 42.2–.12 42.73S 124.72E 10 5.3b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=14.5km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.2km az=34.7.
MOS Error ellipse: s-maj=13.3km s-min=7.9km az=79.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c137; s111,c171;Duration: 1ŝ1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.45±.02 $M_{\theta\theta}$0.05±.02; $M_{\phi\phi}$-0.49±.02; $M_{r\theta}$-0.13±.05; $M_{\theta\phi}$-1.05±.02; $M_{\phi r}$-0.62±.06; Best double couple: NP1:ϕ_s179.00000°,δ81.00000°,λ36.00000°. NP2:ϕ_s82.00000°,δ55.00000°,λ168.00000°. Principal axes: T 1.0350,Plg32.0000° ,Azm46.0000°; N 0.4460,Plg53.0000°,Azm192.0000°; P -1.4810,Plg17.0000°,Azm306.0000° $M_0$1.25800×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=67.0.

(740) Owen Fracture Zone region.

IDC VII 01 22 05 07.0–5.5 14.54N 55.00E 0 4.1,4.0
¶601663379
IDC Error ellipse: s-maj=118.0km s-min=33.6km az=172.0.
ISC VIII 05 23 02 14.7–.65 14.7N–.10 55.9E–.10 18 3.9b,3.5s 19 9-94
IDC VIII 05 23 02 11.5–1.3 14.58N 55.85E 0 3.9,3.8 **¶601565837**
ISCJB VIII 05 23 02 12.9–.51 14.66N–.08 55.9E–.10 18 4.0b,3.5s
NEIC VIII 05 23 02 13.3–.36 14.65N 55.91E 10 4.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=22.1km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=11.8km az=15.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.4km az=103.0.
ISC IX 18 05 52 33.6–.58 12.96N–.09 57.86E–.09 16 4.2b,3.5s 69 9-129
IDC IX 18 05 52 31.0–.55 12.89N 57.93E 0 4.3,4.3L **¶601721812**
ISCJB IX 18 05 52 31.9–.43 13.01N–.05 57.83E–.06 16 4.2b,3.5s
NEIC IX 18 05 52 32.5–.29 12.94N 57.86E 10 4.4b,3.5s
OMAN IX 18 05 52 41.4–2.7 13.54N 57.68E 22 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=32.6.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=130.0.
OMAN Error ellipse: s-maj=75.5km s-min=28.6km az=90.0.
ISC XI 03 08 17 42.1–.74 14.29N–.09 57.68E–.07 10 4.0b 42 5-83
ISCJB XI 03 08 17 40.2–.53 14.28N–.06 57.64E–.05 10 3.9b,2.7s **¶602031597**
IDC XI 03 08 17 40.2–.87 14.05N 57.79E 0 4.0,3.9b
NEIC XI 03 08 17 41.8–.53 14.24N 57.64E 10 4.1b,3.9b
OMAN XI 03 08 17 47.7–.70 14.62N 57.62E 18 4.1b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.5km az=30.8.
IDC Error ellipse: s-maj=28.2km s-min=20.2km az=135.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.8km az=133.0.
OMAN Error ellipse: s-maj=14.0km s-min=1.2km az=333.0.
ISC XI 09 06 54 45.7–.66 14.53N–.10 56.33E–.10 19 4.2b,3.8s 31 9-127
IDC XI 09 06 54 42.5–.69 14.40N 56.53E 0 4.0,3.9 **¶601991591**
ISCJB XI 09 06 54 43.7–.50 14.42N–.08 56.44E–.09 19 4.1b,3.7s
NEIC XI 09 06 54 44.2–.49 14.45N 56.43E 10 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.6km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=10.6km az=24.7.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.9km az=107.0.
IDC XII 04 06 22 06.4–1.1 12.18N 57.70E 0 3.9,3.8
¶602390439
IDC Error ellipse: s-maj=34.9km s-min=25.9km az=101.0.
ISC XII 11 05 37 03.9–.38 14.65N–.05 56.31E–.04 19 4.6b,4.1s 226 3-132
BJI XII 11 05 36 58.1 14.28N 55.97E 10 5.1b,4.7b **¶602034595**
MOS XII 11 05 37 00.5–1.1 14.50N 56.28E 10 4.9b,4.7b
IDC XII 11 05 37 00.5–.49 14.53N 56.34E 0 4.3,4.3b
GCMT XII 11 05 37 00.0–.30 14.48N–.01 56.06E–.03 12 4.9W,4.3b
NEIC XII 11 05 37 02.0–.25 14.50N 56.27E 10 4.7b,4.3b
ISCJB XII 11 05 37 02.1–.26 14.57N–.04 56.23E–.03 19 4.5b,4.1s
DSN XII 11 05 37 03.1–.79 14.63N 56.11E 15 5.0b,4.1s
OMAN XII 11 05 37 07.5–1.2 14.82N 56.23E 34–50 5.0b,4.1s
ISC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=5.3km az=88.8.
IDC Error ellipse: s-maj=12.4km s-min=12.3km az=174.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s85,c127;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.09 $M_{\theta\theta}$2.85±.08; $M_{\phi\phi}$0.02±.10; $M_{r\theta}$0.52±.27; $M_{\theta\phi}$-0.72±.07; $M_{\phi r}$1.21±.31; Best double couple: NP1:ϕ_s263.00000°,δ51.00000°,λ-118.00000°. NP2:ϕ_s124.00000°,δ47.00000°,λ-59.00000°. Principal axes: T 3.0320,Plg2.0000° ,Azm13.0000°; N 0.3650,Plg22.0000°,Azm282.0000°; P -3.3960,Plg68.0000°,Azm108.0000° $M_0$3.21400×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=5.5km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=25.2.
DSN Error ellipse: s-maj=14.6km s-min=8.0km az=56.0.
OMAN Error ellipse: s-maj=69.4km s-min=8.2km az=346.0.

(741) Indian Ocean Triple Junction.

IDC VIII 03 09 40 53.5–.75 26.39S 70.87E 0 4.1,4.0b
¶601765394
IDC Error ellipse: s-maj=28.0km s-min=19.7km az=74.0.
IDC VIII 08 16 46 26.4–18 27.47S 69.13E 0 3.6,3.5
¶601765663
IDC Error ellipse: s-maj=607.0km s-min=38.6km az=48.0.
IDC VIII 20 11 11 02.9–3.8 25.33S 67.49E 0 4.0,3.9

¶601766189
IDC Error ellipse: s-maj=115.7km s-min=29.8km az=53.0.
ISC IX 03 05 27 58.2–.87 27.4S–.20 66.3E–.20 10 4.1b,3.6s 12 20-145
ISCJB IX 03 05 27 56.4–.72 27.4S–.10 66.3E–.20 10 4.0b,3.6s ¶601862838
IDC IX 03 05 27 56.6–.74 27.36S 66.26E 0 4.1,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.7km s-min=17.9km az=149.9.
IDC Error ellipse: s-maj=27.1km s-min=19.1km az=61.0.
IDC IX 08 09 53 18.5–12 26.54S 69.49E 0 3.9,3.8
¶601863160
IDC Error ellipse: s-maj=404.1km s-min=32.5km az=49.0.
ISC XI 02 03 38 10.4–.46 27.51S–.10 66.2E–.10 10 4.4b,3.8s 62 21-171
ISCJB XI 02 03 38 08.6–.38 27.56S–.07 66.22E–.09 10 4.3b,3.7s ¶601909736
IDC XI 02 03 38 08.7–.53 27.52S 66.17E 0 4.4,4.3b
NEIC XI 02 03 38 10.4–.21 27.52S 66.19E 10 4.4b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=10.1km az=143.8.
IDC Error ellipse: s-maj=21.1km s-min=15.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.4km az=60.0.
IDC XII 02 09 37 40.6–28 28.10S 66.19E 0 3.7,3.5
¶602390341
IDC Error ellipse: s-maj=937.6km s-min=41.3km az=51.0.
IDC XII 16 20 44 38.3–2.7 28.26S 64.38E 0 4.0,3.8
¶602391489
IDC Error ellipse: s-maj=85.1km s-min=38.4km az=50.0.

(742) Western Indian-Antarctic Ridge.

ISC VII 02 02 25 36.0–.86 48.7S–.10 126.7E–.30 13 4.1b,3.5s 11 17-149
ISCJB VII 02 02 25 33.8–.69 48.8S–.10 126.7E–.40 13 4.0b,3.5s ¶601663387
IDC VII 02 02 25 34.0–.88 48.74S 126.73E 0 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.6km s-min=12.4km az=14.1.
IDC Error ellipse: s-maj=48.7km s-min=19.3km az=100.0.
ISC VII 12 01 22 16.9–.32 49.47S–.05 121.57E–.07 10 4.9b,4.4s 179 15-154
ISCJB VII 12 01 22 14.9–.28 49.38S–.04 121.42E–.07 10 4.9b,4.3s ¶601266295
IDC VII 12 01 22 15.0–.47 49.42S 121.44E 0 4.7,4.7
NEIC VII 12 01 22 16.4–2.1 49.40S 121.45E 10–2 4.9b,4.7
GCMT VII 12 01 22 16.4–.10 49.37S 121.51E 20–0 5.2W,4.7
BJI VII 12 01 22 16.0 49.40S 121.50E 6 5.2b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.4km az=15.4.
IDC Error ellipse: s-maj=20.8km s-min=12.0km az=108.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.4km az=117.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s59,c88; s101,c177; Duration: 1⇕0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.02 $M_{\theta\theta}$-0.40±.02; $M_{\phi\phi}$0.55±.02; $M_{r\theta}$-0.21±.03; $M_{\theta\phi}$-0.73±.01; $M_{\phi r}$0.09±.03; Best double couple: NP1:ϕ_s107.00000°,δ88.00000°,λ-165.00000°. NP2:ϕ_s17.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 0.9740,Plg9.0000°,Azm241.0000°; N -0.1520,Plg75.0000°,Azm115.0000°; P -0.8220,Plg12.0000°,Azm333.0000° $M_0$0.89800×10^{17}
IDC VII 12 09 45 35.1–2.8 48.86S 121.22E 0 4.0,3.8b
¶601664475
IDC Error ellipse: s-maj=149.4km s-min=25.7km az=93.0.
IDC VII 12 21 19 56.0–1.1 48.76S 120.83E 0 4.0,3.9
¶601664503
IDC Error ellipse: s-maj=176.7km s-min=20.5km az=117.0.
ISC VII 14 14 22 23.4–.31 49.20S–.05 124.75E–.07 10 5.0b,4.8s 276 16-154
ISCJB VII 14 14 22 21.7–.29 49.08S–.04 124.74E–.09 10 4.9b,4.8s ¶601273336
IDC VII 14 14 22 21.1–.48 49.04S 124.64E 0 4.9,4.8b
BJI VII 14 14 22 22.7 49.00S 124.21E 6 5.3b,5.0b
MOS VII 14 14 22 22.1–1.5 49.03S 124.86E 10 5.2b,5.0b
NEIC VII 14 14 22 22.6–.34 49.04S 124.64E 10 5.0b,5.0b
GCMT VII 14 14 22 22.6–.10 49.08S 124.88E 12 5.5W,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.0km az=18.5.
IDC Error ellipse: s-maj=21.9km s-min=12.0km az=110.0.
MOS Error ellipse: s-maj=20.8km s-min=9.0km az=80.6.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.1km az=112.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s90,c139; s115,c225; Duration: 1⇕3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.79±.02 $M_{\theta\theta}$1.62±.02; $M_{\phi\phi}$0.17±.02; $M_{r\theta}$0.29±.06; $M_{\theta\phi}$-0.63±.02; $M_{\phi r}$0.32±.06; Best double couple: NP1:ϕ_s278.00000°,δ49.00000°,λ-106.00000°. NP2:ϕ_s123.00000°,δ44.00000°,λ-72.00000°. Principal axes: T 1.8650,Plg3.0000°,Azm20.0000°; N 0.0220,Plg12.0000°,Azm290.0000°; P -1.8840,Plg77.0000°,Azm122.0000° $M_0$1.87500×10^{17}
IDC VII 21 15 30 59.5–.97 48.93S 121.53E 0 4.1,3.9
¶601664926
IDC Error ellipse: s-maj=43.8km s-min=19.4km az=98.0.
IDC VIII 04 20 35 50.7–1.6 50.02S 116.70E 0 4.1,3.9
¶601765468
IDC Error ellipse: s-maj=60.1km s-min=25.5km az=89.0.
ISC VIII 14 04 35 16.9–.39 49.74S–.07 125.8E–.10 10 4.6b 86 17-154
ISCJB VIII 14 04 35 14.6–.39 49.63S–.05 125.9E–.20 10 5.2s,4.6b ¶601557040
IDC VIII 14 04 35 15.3–.54 49.62S 126.20E 0 5.2,5.2s
NEIC VIII 14 04 35 17.5–.27 49.59S 125.97E 10 4.8b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.9km az=179.6.
IDC Error ellipse: s-maj=23.6km s-min=15.9km az=86.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.6km az=79.0.
IDC VIII 14 04 50 07.7–1.3 49.59S 125.94E 0 4.4,4.3
¶601765820
IDC Error ellipse: s-maj=65.0km s-min=24.6km az=79.0.
IDC VIII 17 04 32 06.3–1.1 49.04S 121.50E 0 4.0,3.9b
¶601765967
IDC Error ellipse: s-maj=97.5km s-min=19.3km az=112.0.
ISC VIII 22 18 37 53.8–.81 49.6S–.10 116.3E–.20 10 3.9b,3.2s 10 15-69
ISCJB VIII 22 18 37 52.1–.68 49.65S–.10 116.4E–.30 10 3.8b,3.2s ¶601766319
IDC VIII 22 18 37 52.3–.88 49.61S 116.35E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=11.3km az=18.7.
IDC Error ellipse: s-maj=37.3km s-min=15.1km az=114.0.
IDC VIII 26 04 07 30.6–1.3 49.28S 127.22E 0 4.2,4.0
¶601766484
IDC Error ellipse: s-maj=94.6km s-min=20.2km az=98.0.
IDC VIII 30 06 50 41.3–1.5 50.15S 114.33E 0 4.9s,4.9
¶601755602
IDC Error ellipse: s-maj=96.1km s-min=19.7km az=111.0.
ISC VIII 30 08 43 12.8–.94 50.4S–.10 115.0E–.30 10 4.0s,3.9b 27 16-149
ISCJB VIII 30 08 43 11.1–.69 50.41S–.10 115.0E–.40 10 4.1b,4.0s ¶601670376
IDC VIII 30 08 43 11.4–1.2 50.39S 114.87E 0 4.2,4.1
NEIC VIII 30 08 43 12.8–.49 50.42S 114.91E 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=9.5km az=19.0.
IDC Error ellipse: s-maj=58.1km s-min=16.3km az=108.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=6.9km az=104.0.
ISC VIII 30 10 53 58.9–.30 50.33S–.05 114.10E–.07 10 5.0b,4.8s 266 15-158
IDC VIII 30 10 53 56.6–.41 50.26S 114.07E 0 4.8,4.8s ¶601650919
BJI VIII 30 10 53 56.7 50.30S 114.10E 10 5.3s,5.2b
ISCJB VIII 30 10 53 56.9–.26 50.25S–.04 114.16E–.09 10 4.9b,4.8s
MOS VIII 30 10 53 58.0–1.5 50.16S 114.18E 14 5.3b,4.8s
NEIC VIII 30 10 53 58.4–.16 50.21S 114.11E 10 5.1b,4.8s
GCMT VIII 30 10 54 01.4–.10 50.21S–.01 114.06E–.01 12–0 5.4W,4.8s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c148; s127,c225;Duration: 1⇕2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.02 $M_{\theta\theta}$1.06±.03; $M_{\phi\phi}$-1.19±.03; $M_{r\theta}$0.18±.05; $M_{\theta\phi}$1.09±.02; $M_{\phi r}$-0.48±.06; Best double couple: NP1:ϕ_s24.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s292.00000°,δ79.00000°,λ-10.00000°. Principal axes: T 1.5020,Plg0.0000°,Azm158.0000°; N 0.2690,Plg75.0000°,Azm66.0000°; P -1.7710,Plg15.0000°,Azm248.0000° $M_0$1.63600×10^{17}
ISC VIII 30 10 58 54.2–.43 50.26S–.08 114.3E–.10 10 4.5b 99 15-151
ISCJB VIII 30 10 58 52.5–.35 50.25S–.06 114.3E–.10 10 4.5b ¶601653042
IDC VIII 30 10 58 52.6–.50 50.27S 114.16E 0 4.6,4.6
NEIC VIII 30 10 58 54.1–.19 50.26S 114.25E 10 4.6b,4.6
GCMT VIII 30 10 58 57.2–.20 50.17S–.01 113.98E–.02 13–1 5.1W,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c32; s93,c141;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.88±.21 $M_{\theta\theta}$3.52±.19; $M_{\phi\phi}$-4.40±.27; $M_{r\theta}$1.60±.49; $M_{\theta\phi}$3.83±.13; $M_{\phi r}$-3.82±.77; Best double couple: NP1:ϕ_s290.00000°,δ73.00000°,λ-19.00000°. NP2:ϕ_s26.00000°,δ72.00000°,λ-162.00000°. Principal axes: T 5.0700,Plg1.0000°,Azm338.0000°; N 2.8340,Plg65.0000°,Azm71.0000°; P -7.9020,Plg25.0000°,Azm248.0000° $M_0$6.48600×10^{16}
ISC VIII 30 12 18 42.1–.80 50.30S–.04 114.17E–.06 6–4 5.4b,5.3s 814 15-172
IDC VIII 30 12 18 40.9–.33 50.21S 114.22E 0 5.2,5.2 ¶601653043
ISCJB VIII 30 12 18 40.2–2.3 50.18S–.03 114.11E–.06 3–14 5.3s,5.3b
BJI VIII 30 12 18 41.0 50.20S 114.20E 10 5.6b,5.4s
MOS VIII 30 12 18 42.4–1.3 50.15S 114.19E 13 5.6b,5.2s
NEIC VIII 30 12 18 43.1–.12 50.14S 114.08E 10 5.4b,5.3s
GCMT VIII 30 12 18 46.1–.10 50.12S–.01 114.10E–.01 16–0 5.6W,5.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c183; s136,c312; Duration: 1⇕6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.04 $M_{\theta\theta}$2.16±.04; $M_{\phi\phi}$-2.75±.04; $M_{r\theta}$-0.06±.11; $M_{\theta\phi}$1.98±.03; $M_{\phi r}$-1.76±.14; Best double couple: NP1:ϕ_s25.00000°,δ88.00000°,λ-153.00000°. NP2:ϕ_s294.00000°,δ63.00000°,λ-2.00000°. Principal axes: T 3.0600,Plg17.0000°,Azm156.0000°; N 0.9760,Plg63.0000°,Azm28.0000°; P -4.0380,Plg20.0000°,Azm252.0000° $M_0$3.54900×10^{17}
ISC VIII 30 15 25 42.0–.64 50.31S–.10 114.1E–.20 10 4.3b 24 15-145
ISCJB VIII 30 15 25 39.9–.52 50.28S–.08 114.1E–.20 10 4.4b ¶601755627
IDC VIII 30 15 25 40.6–1.3 50.29S 114.10E 0 4.1,4.0
NEIC VIII 30 15 25 42.0–.41 50.30S 114.11E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=9.4km az=19.3.
IDC Error ellipse: s-maj=63.0km s-min=18.2km az=115.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.7km az=110.0.
ISC VIII 30 15 27 17.7–.48 50.39S–.08 114.1E–.10 10 4.8b 56 15-151
ISCJB VIII 30 15 27 15.7–.39 50.37S–.05 114.1E–.10 10 5.0b ¶601670390
IDC VIII 30 15 27 16.4–.74 50.31S 114.00E 0 4.5,4.4
NEIC VIII 30 15 27 17.5–.81 50.40S 114.10E 10–5 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.1km az=21.9.
IDC Error ellipse: s-maj=37.3km s-min=15.4km az=111.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.5km az=109.0.
ISC VIII 30 19 03 04.9–.49 50.38S–.09 114.4E–.10 10 4.8s,4.8b 39 15-151
ISCJB VIII 30 19 03 03.4–.45 50.37S–.07 114.1E–.20 10 4.9s,4.7b ¶601676525
IDC VIII 30 19 03 03.3–.60 50.33S 114.08E 0 5.0s,4.9
NEIC VIII 30 19 03 04.8–.28 50.35S 114.19E 10 4.9b,4.9
GCMT VIII 30 19 03 05.8–.20 50.23S–.01 114.04E–.02 12 5.3W,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c34; s109,c184;Duration: 1⇕1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.03 $M_{\theta\theta}$0.63±.02; $M_{\phi\phi}$-0.66±.03; $M_{r\theta}$0.19±.07; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$-0.61±.07; Best double couple: NP1:ϕ_s24.00000°,δ76.00000°,λ-157.00000°. NP2:ϕ_s289.00000°,δ68.00000°,λ-15.00000°. Principal axes: T 0.9100,Plg6.0000°,Azm155.0000°; N 0.3470,Plg63.0000°,Azm54.0000°; P -1.2580,Plg26.0000°,Azm248.0000° $M_0$1.08400×10^{17}
ISC VIII 30 19 04 24.6–.46 50.42S–.09 114.4E–.20 10 4.9b 38 16-151
ISCJB VIII 30 19 04 22.7–.43 50.43S–.07 114.4E–.20 10 4.8b,4.3s ¶601664237
IDC VIII 30 19 04 23.1–.57 50.41S 114.40E 0 5.0,4.9b
NEIC VIII 30 19 04 24.3–.37 50.42S 114.41E 10 4.9b,4.9b
GCMT VIII 30 19 04 25.3–.20 50.28S–.01 114.00E–.02 17–1 5.3W,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c34; s109,c184;Duration: 1⇕1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$0.71±.03; $M_{\phi\phi}$-0.60±.03; $M_{r\theta}$0.13±.08; $M_{\theta\phi}$0.76±.02; $M_{\phi r}$-0.64±.11; Best double couple: NP1:ϕ_s23.00000°,δ77.00000°,λ-153.00000°. NP2:ϕ_s287.00000°,δ64.00000°,λ-15.00000°. Principal axes: T 1.0800,Plg8.0000°,Azm153.0000°; N 0.2100,Plg60.0000°,Azm48.0000°; P -1.2900,Plg28.0000°,Azm247.0000° $M_0$1.18500×10^{17}
ISC VIII 30 19 12 15.9–1.0 50.2S–.20 114.0E–.30 15 3.9b 8 15-149
ISCJB VIII 30 19 12 13.7–.90 50.2S–.10 114.0E–.50 15 4.0b ¶601755635
IDC VIII 30 19 12 13.5–1.1 50.19S 113.96E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.4km s-min=13.5km az=22.0.
IDC Error ellipse: s-maj=57.1km s-min=16.7km az=111.0.
ISC VIII 31 04 37 46.1–.77 50.2S–.10 114.4E–.20 17 4.2b,3.4s 18 15-151
IDC VIII 31 04 37 43.6–.82 50.24S 114.30E 0 4.4,4.2b ¶601712946
ISCJB VIII 31 04 37 44.1–.63 50.2S–.10 114.3E–.30 17 4.2b,3.4s
NEIC VIII 31 04 37 45.0–.39 50.24S 114.33E 10 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=15.3km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=10.8km az=22.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=7.4km az=110.0.
IDC VIII 31 17 59 03.7–3.2 50.98S 114.22E 0 4.3s,4.3
¶601755768
IDC Error ellipse: s-maj=144.9km s-min=60.2km az=114.0.
IDC IX 16 18 47 06.6–137 49.63S 115.72E 0 3.9,3.7b
¶601863669
IDC Error ellipse: s-maj=2290.0km s-min=134.8km az=41.0.
IDC IX 19 06 59 14.3–1.6 51.48S 138.49E 0 4.1,3.9
¶601863812
IDC Error ellipse: s-maj=100.8km s-min=24.2km az=88.0.
ISC IX 19 07 01 47.9–.87 51.3S–.10 139.6E–.20 14 4.0b 10 19-146
ISCJB IX 19 07 01 45.9–.82 51.27S–.10 139.6E–.30 14 4.0b,4.0s ¶601775965
IDC IX 19 07 01 45.9–.91 51.30S 139.52E 0 4.2b,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.9km s-min=13.9km az=172.9.
IDC Error ellipse: s-maj=37.9km s-min=19.3km az=82.0.
ISC IX 19 07 03 43.8–.54 51.37S–.08 139.6E–.10 14 4.4b 46 20-152
IDC IX 19 07 03 41.6–.62 51.41S 139.65E 0 4.6,4.6s ¶601732945
ISCJB IX 19 07 03 42.1–.43 51.39S–.05 139.7E–.20 14 4.5s,4.3b
GCMT IX 19 07 03 43.1–.30 51.49S–.02 139.45E–.06 12 5.0W,4.3b
NEIC IX 19 07 03 43.1–.28 51.40S 139.65E 10 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=15.5km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=7.7km az=174.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s75,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.58±.14 $M_{\theta\theta}$3.55±.10; $M_{\phi\phi}$0.02±.15; $M_{r\theta}$2.24±.49; $M_{\theta\phi}$0.06±.11; $M_{\phi r}$-1.19±.68; Best double couple: NP1:ϕ_s285.00000°,δ63.00000°,λ-76.00000°. NP2:ϕ_s75.00000°,δ31.00000°,λ-116.00000°. Principal axes: T 4.2140,Plg17.0000°,Azm4.0000°; N 0.3040,Plg13.0000°,Azm98.0000°; P -4.5220,Plg69.0000°,Azm224.0000° $M_0$4.36800×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.2km az=80.0.
ISC IX 19 07 09 45.6–.49 51.50S–.08 139.6E–.10 10 4.4b,4.3s 57 19-152
ISCJB IX 19 07 09 43.7–.37 51.49S–.05 139.5E–.10 10 4.3s,4.3b ¶601725192
GCMT IX 19 07 09 44.8–.20 51.56S–.01 139.66E–.04 13–1 5.0W,4.3b
IDC IX 19 07 09 44.3–.69 51.50S 139.66E 0 4.4,4.3b
NEIC IX 19 07 09 45.8–.30 51.48S 139.61E 10 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=177.1.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c37; s78,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.31±.25 $M_{\theta\theta}$3.71±.16; $M_{\phi\phi}$0.60±.15; $M_{r\theta}$0.64±.36; $M_{\theta\phi}$0.01±.10; $M_{\phi r}$-1.64±.50; Best double couple: NP1:ϕ_s287.00000°,δ52.00000°,λ-69.00000°. NP2:ϕ_s75.00000°,δ42.00000°,λ-115.00000°. Principal axes: T 3.7670,Plg5.0000° ,Azm3.0000°; N 1.0870,Plg16.0000°,Azm94.0000°; P -4.8520,Plg73.0000°,Azm256.0000° M_o4.30900×10^{16}

IDC Error ellipse: s-maj=24.8km s-min=16.6km az=88.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.8km az=72.0.

IDC	**IX**	**19 09 35 49.9–4.2**	**51.74S**	**139.39E**	**0**	**3.9,3.8b**			**¶601863823**

IDC Error ellipse: s-maj=155.2km s-min=52.1km az=64.0.

IDC	**IX**	**22 19 14 40.4–1.3**	**49.73S**	**127.66E**	**0**	**3.9,3.6**			**¶601864006**

IDC Error ellipse: s-maj=74.2km s-min=24.5km az=85.0.

IDC	**IX**	**23 23 13 23.4–1.6**	**49.04S**	**125.83E**	**0**	**4.0,3.8b**			**¶601864059**

IDC Error ellipse: s-maj=88.9km s-min=28.0km az=85.0.

ISC	**X**	**02 13 59 54.5–.53**	**49.13S–.08**	**125.0E–.20**	**10**	**4.1b,3.7s**	**42**	**17-145**	
ISCJB	X	02 13 59 52.4–.41	49.16S–.06	125.1E–.20	10	4.2b,3.7s			**¶601826692**
IDC	X	02 13 59 53.2–.59	49.11S	125.00E	0	4.4,4.3			
NEIC	X	02 13 59 54.4–.33	49.14S	125.06E	10	4.3b,4.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=7.5km az=13.6.
IDC Error ellipse: s-maj=30.8km s-min=14.8km az=104.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=105.0.

ISC	**X**	**05 23 27 33.3–.48**	**50.26S–.07**	**139.7E–.10**	**12**	**4.6b,3.8s**	**42**	**12-152**	
ISCJB	X	05 23 27 31.0–.42	50.25S–.05	139.8E–.20	12	4.4b,4.0s			**¶601825825**
IDC	X	05 23 27 31.9–.72	50.26S	139.53E	0	4.3,4.1			
NEIC	X	05 23 27 32.9–.28	50.24S	139.66E	10	4.6b,4.1			
GCMT	X	05 23 27 33.9–.30	50.29S–.01	139.45E–.03	13–1	4.9W,4.1			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c25; s86,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06±.11 $M_{\theta\theta}$-0.06±.09; $M_{\phi\phi}$0.11±.11; $M_{r\theta}$0.36±.27; $M_{\theta\phi}$-3.05±.10; $M_{\phi r}$0.15±.24; Best double couple: NP1:ϕ_s271.00000°,δ87.00000°,λ-173.00000°. NP2:ϕ_s181.00000°,δ83.00000°,λ-3.00000°. Principal axes: T 3.0860,Plg3.0000° ,Azm46.0000°; N -0.0180,Plg83.0000°,Azm295.0000°; P -3.0680,Plg7.0000°,Azm136.0000° M_o3.07700×10^{16}

ISC	**X**	**06 15 05 52.8–.99**	**50.0S–.10**	**118.1E–.30**	**10**	**3.6b,3.4s**	**8**	**17-149**	
ISCJB	X	06 15 05 50.7–.88	50.0S–.10	118.1E–.30	10	3.5b,3.4s			**¶601997287**
IDC	X	06 15 05 51.3–1.0	49.99S	118.03E	0	3.9,3.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.3km s-min=14.3km az=8.4.
IDC Error ellipse: s-maj=43.1km s-min=19.8km az=102.0.

ISC	**X**	**11 11 56 26.9–.68**	**49.55S–.08**	**117.6E–.20**	**12**	**4.1b,3.4s**	**23**	**15-147**	
ISCJB	X	11 11 56 25.4–.59	49.56S–.07	117.6E–.20	12	4.1b,3.5s			**¶601906677**
IDC	X	11 11 56 25.6–.90	49.56S	117.47E	0	4.1,3.9			
NEIC	X	11 11 56 26.6–.42	49.57S	117.58E	10	4.4b,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=9.0km az=10.1.
IDC Error ellipse: s-maj=44.9km s-min=18.1km az=103.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.9km az=100.0.

IDC	**X**	**13 20 39 23.4–10**	**48.85S**	**124.93E**	**0**	**3.9,3.7**			**¶601998151**

IDC Error ellipse: s-maj=241.0km s-min=51.4km az=160.0.

IDC	**X**	**21 12 29 53.0–1.6**	**51.45S**	**139.58E**	**0**	**4.0,3.8**			**¶601999162**

IDC Error ellipse: s-maj=149.4km s-min=24.9km az=82.0.

IDC	**X**	**22 15 40 04.2–31**	**49.96S**	**122.52E**	**0**	**4.0,3.7b**			**¶601999287**

IDC Error ellipse: s-maj=751.8km s-min=61.0km az=156.0.

ISC	**X**	**25 22 33 51.0–.32**	**50.24S–.06**	**114.09E–.08**	**15**	**4.9b,4.3s**	**109**	**15-152**	
BJI	X	25 22 33 47.5	50.20S	113.90E	5	5.3s,5.1			**¶601848641**
IDC	X	25 22 33 48.3–.51	50.27S	114.22E	0	4.8,4.7			
ISCJB	X	25 22 33 49.3–.25	50.23S–.04	114.11E–.09	15	4.8b,4.5s			
NEIC	X	25 22 33 50.2–.21	50.19S	114.06E	10	4.7b,4.5s			
GCMT	X	25 22 33 52.2–.20	50.18S–.01	114.00E–.02	15	5.1W,4.5s			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c68; s100,c165;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.60±.14 $M_{\theta\theta}$4.23±.12; $M_{\phi\phi}$-3.63±.14; $M_{r\theta}$0.02±.40; $M_{\theta\phi}$4.19±.10; $M_{\phi r}$-1.81±.42; Best double couple: NP1:ϕ_s23.00000°,δ82.00000°,λ-163.00000°. NP2:ϕ_s290.00000°,δ73.00000°,λ-8.00000°. Principal axes: T 6.1210,Plg6.0000° ,Azm156.0000°; N -0.1570,Plg71.0000°,Azm47.0000°; P -5.9670,Plg17.0000° ,Azm248.0000° M_o6.04400×10^{16}

ISC	**XI**	**06 00 10 41.2–1.2**	**49.1S–.20**	**125.4E–.40**	**10**	**4.0s,3.8b**	**6**	**16-145**	
ISCJB	XI	06 00 10 39.3–1.1	49.1S–.10	125.4E–.40	10	3.8s,3.7b			**¶602388893**
IDC	XI	06 00 10 39.7–1.3	49.06S	125.33E	0	4.2,4.0			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.8km s-min=17.4km az=168.3.
IDC Error ellipse: s-maj=60.1km s-min=23.7km az=83.0.

ISC	**XI**	**08 17 30 38.5–.75**	**48.9S–.10**	**127.9E–.20**	**10**	**4.6b**	**19**	**17-145**	
ISCJB	XI	08 17 30 36.6–.57	48.89S–.08	128.0E–.20	10	4.5b			**¶601882361**
IDC	XI	08 17 30 36.5–.82	48.94S	127.89E	0	4.7,4.7			
NEIC	XI	08 17 30 38.3–.43	48.91S	127.80E	10	4.6b,4.7			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=11.0km az=173.4.
IDC Error ellipse: s-maj=40.2km s-min=16.3km az=87.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=8.4km az=84.0.

ISC	**XI**	**08 17 38 06.3–.28**	**49.81S–.05**	**117.41E–.07**	**16**	**5.0b,4.7s**	**346**	**15-159**	
BJI	XI	08 17 38 02.4	49.80S	117.40E	10	5.4b,5.1s			**¶601881318**
IDC	XI	08 17 38 03.3–.45	49.76S	117.49E	0	4.8,4.7			
ISCJB	XI	08 17 38 04.6–.25	49.71S–.04	117.35E–.08	16	4.9b,4.7s			
MOS	XI	08 17 38 04.0–1.3	49.67S	117.38E	10	5.4b,4.7s			
NEIC	XI	08 17 38 05.3–.16	49.70S	117.35E	10	5.2b,4.7s			
GCMT	XI	08 17 38 06.3–.10	49.68S–.01	117.43E–.02	12	5.2W,4.7s			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c76; s106,c182;Duration: 1ᵴ0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.81±.01 $M_{\theta\theta}$0.59±.01; $M_{\phi\phi}$0.21±.01; $M_{r\theta}$0.10±.04; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$0.24±.04; Best double couple: NP1:ϕ_s137.00000°,δ49.00000°,λ-68.00000°. NP2:ϕ_s285.00000°,δ46.00000°,λ-113.00000°. Principal axes: T 0.8050,Plg1.0000° ,Azm211.0000°; N 0.0780,Plg16.0000°,Azm302.0000°; P -0.8820,Plg74.0000° ,Azm117.0000° M_o0.84300×10^{17}

IDC	**XI**	**09 18 59 32.6–13**	**50.44S**	**120.32E**	**0**	**3.8,3.7**			**¶602389108**

IDC Error ellipse: s-maj=292.8km s-min=69.6km az=159.0.

ISC	**XI**	**11 13 03 32.8–1.2**	**49.0S–.20**	**125.0E–.30**	**10**	**3.5b**	**7**	**16-145**	
ISCJB	XI	11 13 03 31.0–1.1	49.0S–.10	125.2E–.30	10	3.5b			**¶602389222**
IDC	XI	11 13 03 31.6–1.4	48.98S	125.15E	0	4.0,3.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.4km s-min=17.7km az=170.3.
IDC Error ellipse: s-maj=45.9km s-min=25.9km az=88.0.

IDC	**XI**	**13 17 29 38.2–5.7**	**49.86S**	**114.39E**	**0**	**4.1,3.8b**			**¶601991893**

IDC Error ellipse: s-maj=227.0km s-min=27.4km az=101.0.

IDC	**XI**	**28 11 30 01.5–1.2**	**50.33S**	**114.41E**	**0**	**4.1,3.9**			**¶602390116**

IDC Error ellipse: s-maj=49.1km s-min=24.5km az=107.0.

IDC	**XII**	**10 00 39 23.2–1.4**	**49.86S**	**122.42E**	**0**	**4.0,3.8**			**¶602390950**

IDC Error ellipse: s-maj=50.9km s-min=27.7km az=91.0.

SEISMIC REGION 34.
Eastern North America.

(440) Hudson Bay.

IDC	**VII**	**02 17 35 18.6–528**	**62.38N**	**87.51W**	**0**				**¶601663405**

IDC Error ellipse: s-maj=239.5km s-min=195.2km az=35.0.

(441) Ontario.

ISC	**IX**	**22 16 10 37.7–3.1**	**48.42N–.03**	**83.23W–.03**	**2–22**			**188**	**1-30**
IDC	IX	22 16 10 38.7–.77	48.34N	83.31W	0	4.1,3.9			**¶601736806**
OTT	IX	22 16 10 40.3–.25	48.41N	83.28W	8	3.9,3.9			
NEIC	IX	22 16 10 41.4–.00	48.44N	83.27W	18	3.9,3.9			

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=7.4km az=38.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. 64km northeast from Chapleau, Ontario Felt.
NEIC Event type fe. Felt at Chapleau and Kapuskasing. After OTT.

ISC	**X**	**17 02 32 36.8–1.8**	**48.45N–.03**	**83.27W–.03**	**14–13**			**63**	**1-6**
OTT	X	17 02 32 38.8–.38	48.48N	83.28W	18	3.0			**¶601837564**

ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. 72km northeast from Chapleau, On.

(445) Labrador.

ISC	**VII**	**08 11 13 35.6–.34**	**52.01N–.03**	**60.98W–.04**	**10**	**4.1b**		**270**	**2-150**
ISCJB	VII	08 11 13 34.3–.22	51.94N–.02	60.94W–.04	10	4.1b			**¶601244231**
IDC	VII	08 11 13 34.6–.44	51.94N	60.71W	0	4.0,3.9			
OTT	VII	08 11 13 36.9–.19	52.04N	60.86W	11	4.4,3.9W			
NEIC	VII	08 11 13 36.9–.00	52.04N	60.86W	11	4.1b,3.9W			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=138.7.
IDC Error ellipse: s-maj=11.4km s-min=9.5km az=1.0.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 147km south from Happy Valley-Goose Bay, Nl. Felt. Felt in Happy Valley-Goose Bay, and Labrador City. Eastern Background Seismic Zone.
NEIC Event type fe. Felt at Goose Bay, Happy Valley and Labrador City. After OTT. Moment Tensor Solution. s9 Moment tensor: Scale 10^{14}Nm; M_{rr}4.93 $M_{\theta\theta}$-2.59 $M_{\phi\phi}$-2.34 $M_{r\theta}$1.98 $M_{\theta\phi}$-2.67 $M_{\phi r}$3.66 Best double couple: NP1:ϕ_s238.00000°,δ27.00000°,λ110.00000°. NP2: ϕ_s35.00000°,δ65.00000°,λ80.00000°. Principal axes: T 6.5300,Plg68.0000°,Azm286.0000° ; N 0.0000,Plg9.0000°,Azm39.0000°; P -6.5300,Plg19.0000°,Azm133.0000° M_o6.50000×10^{14}

(447) Southern Quebec.

ISC	**VIII**	**04 18 27 48.7–.77**	**47.31N–.02**	**70.57W–.02**	**29–6**			**207**	**0-149**
OTT	VIII	04 18 27 49.5–.07	47.24N	70.58W	22–0	3.7			**¶601518318**
NEIC	VIII	04 18 27 49.6–.00	47.23N	70.60W	18	3.8			
IDC	VIII	04 18 27 52.5–4.4	48.79N	74.34W	0	4.0,4.0			

ISC Event type fe.
OTT Event type fe. 24km west from Saint-Jean-Port-Joli, Qc. Felt. Charlevoix Seismic Zone, Qc. Felt in Saint-Jean-Port-Joli, Charlevoix, Quebec city, Qc.
NEIC Event type fe. Felt [II] at Quebec. Also felt at Beaupre, Boischatel and Saint-Jean-Port-Joli. After OTT.
IDC Error ellipse: s-maj=252.6km s-min=19.6km az=131.0.

ISC	**X**	**10 04 19 28.1–.98**	**45.71N–.02**	**73.25W–.02**	**16–7**	**3.5b**		**287**	**0-149**
IDC	X	10 04 19 27.6–.87	45.56N	73.24W	0	4.0,3.8			**¶601819783**
OTT	X	10 04 19 29.0–.09	45.71N	73.27W	14	4.5,3.8			
NEIC	X	10 04 19 28.4–.00	45.70N	73.27W	27	4.5,3.8b			

ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=8.5km az=150.0.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 11km southeast from Vercheres, Qc. Felt. Felt in Pointe-aux Trembles, St-Jerome, St-Hyacinthe, St-Eustache, Terrebonne, Mirabel, St-Louis-de-Richelieu, Boucherville, St-Jean-sur-Richelieu, Ste-Sophie, Candiac, Richelieu, Trois Riviers, Quebec, Pq and Ottawa Ontario Also felt in upstate New York and Vermont Eastern Background Seismic Zone.
NEIC Event type fe. Felt [V] at Saint-Canut and [IV] at Blainville, Boucherville, Joliette, L'Assomption, Laval, L'Epiphanie, Mirabel, Repentigny, Saint-Bruno, Sainte-Adele, Sainte-Anne-des-Plaines, Saint-Basile-le-Grand, Saint-Constant, Sainte-Julie, Varennes and Vercheres. Felt widely in southern Quebec and eastern Ontario. Felt [III] at Hogansburg, Malone, Mooers and Mooers Forks, New York and at Colchester, Jericho, Milton and Williston, Vermont. Felt in many parts of upstate New York and Vermont. After OTT.

ISC	**XII**	**12 17 46 04.5–.78**	**47.84N–.02**	**70.07W–.02**	**9–5**	**3.6b**		**260**	**0-149**
ISCJB	XII	12 17 46 03.1–.40	47.87N–.02	70.16W–.02	18–3	3.6b,3.0s			**¶602037020**
ANF	XII	12 17 46 04.5–.58	47.81N	69.93W	8	5.0L,3.0s			
IDC	XII	12 17 46 05.6–1.2	47.91N	70.32W	0	4.2,4.0			
NEIC	XII	12 17 46 06.0–.00	47.79N	70.05W	5	4.4,4.0			
OTT	XII	12 17 46 06.7–.08	47.79N	70.05W	5–1	4.4,4.0			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=162.6.
ANF Error ellipse: s-maj=6.5km s-min=4.1km az=47.0.
IDC Error ellipse: s-maj=25.7km s-min=8.9km az=130.0.
NEIC Event type fe. Felt [II] at Chicoutimi. Also felt at Baie-Saint-Paul, Charlevoix-Est, Les Escoumins, Montreal, Quebec, Rimouski, Saguenay, Saint-Felicien and Trois-Rivieres. Felt at Fort Kent and Lewiston, Maine. After OTT.
OTT Event type fe. 17km northeast from La Malbaie, Qc. Felt Charlevoix Seismic Zone, Qc. Felt in Charlevoix area, Qc.

(448) Gaspe Peninsula.

ISC	**XI**	**27 07 55 56.0–1.1**	**48.81N–.03**	**67.38W–.03**	**18–4**	**3.8b**		**266**	**0-150**
IDC	XI	27 07 55 54.0–.78	48.69N	67.39W	0	4.0,3.9			**¶601994769**
ISCJB	XI	27 07 55 55.2–.42	48.75N–.02	67.43W–.03	24–4	4.1b,4.0s			
NEIC	XI	27 07 55 56.0–.00	48.82N	67.35W	17	4.2,3.6b			
OTT	XI	27 07 55 56.7–.02	48.82N	67.35W	17	4.2,3.6b			

ISC Event type fe.
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=136.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=38.7.
NEIC Event type fe. Felt at Gaspe, Matane and Saint-Adelme. Also felt at Campbellton, New Brunswick. After OTT.
OTT Event type fe. 14km east from Matane, Qc. Felt Eastern Background Seismic Zone. Felt in Matane, Gaspe, Qc.

(456) Montana.

ISC	**IX**	**05 20 39 53.5–.91**	**45.40N–.03**	**112.61W–.02**	**14–7**			**98**	**0-17**
NEIC	IX	05 20 39 53.9–.00	45.41N	112.62W	12	3.5L			**¶601710334**
IDC	IX	05 20 40 05.1–4.3	44.60N	112.67W	24–27	3.2,3.2L			

ISC Event type fe.
NEIC Event type fe. Felt [II] at Dillon. Also felt at Silver Star. After BUT.
IDC Error ellipse: s-maj=24.3km s-min=14.2km az=159.0.

ISC	**XII**	**15 23 49 52.5–.69**	**48.35N–.04**	**115.94W–.03**	**10**			**35**	**1-27**
ISCJB	XII	15 23 49 50.7–.47	48.37N–.05	115.85W–.04	10	3.6s,3.5b			**¶602391428**
NEIC	XII	15 23 49 51.3–.00	48.29N	115.87W	1	3.4,3.3L			
BUT	XII	15 23 49 51.3	48.29N	115.87W	1	3.4,3.3L			
IDC	XII	15 23 49 52.8–1.1	48.32N	115.84W	0	3.8,3.5b			
ANF	XII	15 23 49 52.8–.88	47.98N	116.11W		3.3L,3.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=173.0.
NEIC Event type se. After BUT.
IDC Error ellipse: s-maj=13.5km s-min=5.9km az=14.0.
ANF Error ellipse: s-maj=48.2km s-min=3.2km az=27.0.

ISC	**XII**	**20 12 57 16.8–1.3**	**48.20N–.03**	**115.88W–.02**	**2–11**			**57**	**1-7**
NEIC	XII	20 12 57 16.0–.00	48.26N	115.90W	1	3.1			**¶602340354**
PGC	XII	20 12 57 19.3–6.6	48.07N	115.78W	1	3.5L,3.1L			

ISC Event type ke.
NEIC Event type se. After BUT.
PGC Event type ke. 127km Ene of Spokane, Wa Montana.

PGC	**XII**	**20 15 06 19.9–.01**	**48.16N**	**115.86W**	**1**	**3.5L,3.2L**			**¶604463376**

PGC Event type ke. 126km Ene of Spokane, Wa Montana.

(459) Yellowstone region.

ISC IX 05 22 52 51.7–.84 44.75N–.02 110.95W–.02 9–6 106 0-9
ISCJB IX 05 22 52 51.2–.40 44.78N–.02 110.97W–.03 4–3 **¶601702865**
NEIC IX 05 22 52 51.0–.00 44.78N 110.94W 7 3.7L,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=139.7.
NEIC Event type fe. Felt [II] in Yellowstone National Park. Also felt at West Yellowstone, Montana. After SLC. Moment Tensor Solution. $M_0$2.40000×10^{14}

(460) Wyoming.

IDC VII 29 16 58 58.6–2.6 43.06N 105.27W 0 3.4,3.2
¶601666634
IDC Error ellipse: s-maj=47.7km s-min=9.3km az=157.0.
ANF XI 21 20 02 25.4–.24 43.77N 105.34W 3.7L
¶605737193
ANF Error ellipse: s-maj=3.1km s-min=2.5km az=109.0.
ISC XII 16 17 15 20.7–1.3 43.82N–.02 109.03W–.03 0–11 71 1-19
ANF XII 16 17 15 19.6–.39 43.79N 109.01W 3.4L **¶602216200**
BUT XII 16 17 15 20.5–.00 43.81N 108.97W 0 3.4L
NEIC XII 16 17 15 21.8–.40 43.79N 109.07W 5 3.1L
IDC XII 16 17 15 21.6–1.2 43.61N 108.71W 0 3.4,3.2
ISC Event type se.
ANF Error ellipse: s-maj=3.7km s-min=2.7km az=69.0.
BUT Event type se.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.3km az=61.0.
IDC Error ellipse: s-maj=27.7km s-min=7.5km az=127.0.

(463) Nebraska.

ISC X 18 05 21 09.9–.52 42.29N–.03 101.88W–.03 10 3.6b 115 1-128
ISCJB X 18 05 21 08.5–.25 42.30N–.02 101.86W–.02 10 3.6b,3.2s **¶601838473**
IDC X 18 05 21 08.3–1.0 42.16N 102.00W 0 4.0,3.7
NEIC X 18 05 21 11.1–.50 42.21N 101.95W 5 3.6,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.6km az=15.7.
IDC Error ellipse: s-maj=15.7km s-min=9.6km az=147.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=6.1km az=182.0. Felt [III] at Bridgeport, Hay Springs and Rushville and [II] at Alliance, Chadron and Gordon. Also felt at Ashby, Bingham, Ellsworth, Gering, Hyannis, Lakeside and Merriman. Felt [III] at Pine Ridge, South Dakota. Also felt at Hot Springs, Martin, Rapid City, Saint Francis and Wounded Knee.

(464) Minnesota.

ANF XI 07 17 08 40.0–.37 47.46N 92.97W 3.6L
¶605744416
ANF Error ellipse: s-maj=3.2km s-min=2.4km az=133.0.

(470) Southern Ontario.

ISC XI 06 09 05 24.8–.53 45.63N–.02 74.59W–.02 15 362 1-15
ISCJB XI 06 09 05 24.6–.13 45.63N–.01 74.69W–.01 15 **¶601875521**
NEIC XI 06 09 05 27.9–.00 45.60N 74.61W 18 4.2
OTT XI 06 09 05 27.9–.05 45.60N 74.59W 6 4.2
ANF XI 06 09 05 28.0–.46 45.52N 74.74W 14–3 4.5L
LDO XI 06 09 05 28.0 45.56N 74.68W 16 4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=155.6.
NEIC Event type fe. Felt [III] at Alexandria, Champlain, Hawkesbury and Rockland; [II] Clarence-Rockland, Cornwall and Ottawa, Ontario. Also felt [III] at Rigaud and Saint-Jerome; [II] at Chateauguay, Gatineau, Laval, Montreal, Point-Claire and Saint-Sauveur-des-Monts, Quebec. Felt [II] at Brasher Falls, Massena and Potsdam, New York. Felt widely in southeastern Ontario and southern Quebec and in parts of northern New York and northern Vermont. After OTT.
OTT Event type fe. 2km east from Hawkesbury, Ontario Felt Western Quebec Seismic Zone. Felt in Hawkesbury, Buckingham, Valleyfield, Orleans, Ottawa, Metcalfe, Rockland, Osgoode, I''Orignal, Plantagenet, Kanata, Ontario Gatineau, Montreal, Low, Grenville, Brownsburg-Chatham, Saint-Lazare, Lachute, Ste-Marie Beauce, Ormstown, Saint Lambert, Cowansville, Verdun, Terrebonne, Fabreville, Melocheville, Ste-Agathe-des-Monts, St-jerome, brownsburg-chatham, Saint-Laurent, St Lazare, Mont-Laurier, Laval, Qc.
ANF Error ellipse: s-maj=2.7km s-min=1.8km az=63.0.

(471) Ohio.

ISC IX 07 21 56 33.0–1.2 41.91N–.02 83.04W–.03 1–11 46 1-4
ISCJB IX 07 21 56 34.3–.68 41.87N–.02 83.08W–.04 3–4 **¶601712949**
NEIC IX 07 21 56 35.1–2.8 41.86N 83.08W 5–2 2.5,2.1
OTT IX 07 21 56 36.7–.72 41.72N 82.71W 1 2.5,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=8.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=78.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0. Western Lake Erie. 46km south from Leamington, On Eastern Background Seismic Zone.

(475) Maine.

OTT VII 11 03 05 43.8–.18 44.90N 67.57W 5 2.3
¶601266285
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. Maine, U.S. 38km southwest from St. Stephen, Nb Northern Appalachians Seismic Zone.
ISC X 16 23 12 23.5–.32 43.59N–.02 70.65W–.02 10 4.5b 647 1-152
ISCJB X 16 23 12 21.6–.17 43.61N–.01 70.86W–.02 10 4.4b **¶601837346**
OTT X 16 23 12 23.0–.26 43.59N 70.68W 7 4.0W
IDC X 16 23 12 22.9–.45 43.72N 70.68W 0 4.5,4.3
NEIC X 16 23 12 23.8–.00 43.60N 70.65W 4 4.5,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=31.3.
OTT Event type fe. 189km southeast from Coaticook, Qc Felt strongly in Maine and New Hampshire area. Felt thoughout much of Connecticute New Jersy, New York, Rhode Island and Vermont. Felt in southern Quebec Northern Appalachians Seismic Zone.
IDC Error ellipse: s-maj=11.4km s-min=9.2km az=126.0.
NEIC Event type fe. Felt [VI] at East Waterboro and [V] at Alfred, Cornish, Hollis Center, Limerick, North Waterboro, Shapleigh, West Newfield and Livermore Falls. Felt [V] at East Wakefield, Freedom and Milton Mills, New Hampshire and at North Hartland, Vermont. Felt strongly in parts of Maine, Massachusetts and New Hampshire. Felt in much of New England and in parts of New Jersey and New York. Also felt in southern Quebec, Canada. After WES. Moment Tensor Solution. s52 Moment tensor: Scale 10^{15}Nm; M_{rr}1.29 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.30 $M_{\theta\phi}$0.33 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_s170.00000°,δ33.00000°,λ100.00000°. NP2:ϕ_s338.00000°,δ57.00000°,λ84.00000°. Principal axes: T 1.4300,Plg77.0000° ,Azm228.0000°; N -0.0400,Plg5.0000°,Azm341.0000°; P -1.3900,Plg12.0000°,Azm73.0000° $M_0$1.40000×10^{15}
ISC XI 24 04 25 25.0–1.2 44.37N–.03 69.18W–.02 5–10 48 0-4
ISCJB XI 24 04 25 25.0–.62 44.42N–.03 69.16W–.03 8–3 **¶601994068**
NEIC XI 24 04 25 25.9–.60 44.44N 69.18W 5 2.1
OTT XI 24 04 25 26.9–.21 44.40N 69.15W 5 2.5
WES XI 24 04 25 26.7–.00 44.42N 69.21W 4 2.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.0km az=161.1.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.1km az=155.0. Felt [III] at Belfast, Liberty, Lincolnville, Morrill and Searsmont; [II] at Freedom and Union. Also felt at Bangor, Camden, Millinocket and Norway.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Maine, U.S. 171km southwest from St. Stephen, Nb Northern Appalachians Seismic Zone.
WES Event type se.

(478) Utah.

ISC VII 13 19 53 18.5–1.1 41.86N–.03 111.92W–.03 9–8 3.0s 176 0-121
NEIC VII 13 19 53 17.0–.00 41.90N 111.92W 2 3.7W,3.5L **¶601625041**
IDC VII 13 19 53 17.3–.68 41.81N 111.74W 0 3.6,3.4
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Preston, Idaho. Also felt at Franklin and Weston. Felt [III] at Richmond, Smithfield and Trenton and [II] at Logan and Lewiston, Utah. Also felt at Centerville, Clarkston, Cornish, Hyde Park, Mendon, Providence, Salt Lake City and Woods Cross. After SLC. Moment Tensor Solution. s78 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.56 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$3.69 $M_{r\theta}$-1.10 $M_{\theta\phi}$0.10 $M_{\phi r}$0.79 Best double couple: NP1:ϕ_s166.00000° ,δ53.00000°,λ-110.00000°. NP2:ϕ_s17.00000°,δ41.00000°,λ-65.00000°. Principal axes: T 3.7800,Plg6.0000°,Azm270.0000°; N 0.1900,Plg16.0000°,Azm178.0000° ; P -3.9600,Plg73.0000°,Azm20.0000° $M_0$3.90000×10^{14}
IDC Error ellipse: s-maj=15.2km s-min=7.4km az=153.0.
ISC VII 31 10 27 30.6–.58 39.02N–.03 111.44W–.02 10 169 0-33
NEIC VII 31 10 27 28.4–.00 39.01N 111.50W 1 3.9W,3.9b **¶601650815**
IDC VII 31 10 27 29.9–.76 39.08N 111.36W 0 3.7,3.6b
ISCJB VII 31 10 27 30.3–.16 39.07N–.02 111.46W–.02 10 3.8b,3.0s
ISC Event type fe.
NEIC Event type fe. Felt at Farmington, Salina and Salt Lake City. After SLC. Moment Tensor Solution. s67 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.27 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$5.39 $M_{r\theta}$0.58 $M_{\theta\phi}$0.48 $M_{\phi r}$7.75 Best double couple: NP1:ϕ_s184.00000°,δ73.00000°,λ-90.00000°. NP2:ϕ_s6.00000° ,δ17.00000°,λ-89.00000°. Principal axes: T 9.5200,Plg28.0000°,Azm275.0000° ; N -0.1600,Plg0.0000°,Azm185.0000°; P -9.3500,Plg62.0000°,Azm94.0000° $M_0$9.40000×10^{14}
ISCJB Event type fe.
ISC XI 06 09 13 58.1–1.1 41.27N–.02 112.70W–.03 7–9 113 0-14
IDC XI 06 09 13 56.6–.97 41.42N 112.64W 0 3.6L,3.3 **¶602051290**
NEIC XI 06 09 13 57.7–.00 41.29N 112.72W 9 3.1L,3.3
ISC Event type fe.
IDC Error ellipse: s-maj=28.6km s-min=6.9km az=148.0.
NEIC Event type fe. Felt at Centerville, Clearfield and Corinne. After SLC.

(479) Colorado.

NEIC XI 13 08 35 13.0–.57 37.07N 104.90W 5 2.7L
¶601890913
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.4km az=4.0. Felt at Trinidad.
ISC XII 02 18 44 38.1–.76 38.88N–.03 107.48W–.03 0 81 0-24
IDC XII 02 18 44 35.2–1.8 38.49N 109.91W 0 3.8,3.7 **¶602213419**
ISCJB XII 02 18 44 38.6–.32 38.93N–.02 107.57W–.03 0 3.5b,3.4s
NEIC XII 02 18 44 38.8–.37 38.89N 107.50W 1 3.4L,3.4s
ISC Event type sr.
IDC Error ellipse: s-maj=45.8km s-min=7.7km az=76.0.
ISCJB Event type fr. Error ellipse: s-maj=4.1km s-min=2.6km az=43.5.
NEIC Event type fr. Error ellipse: s-maj=5.2km s-min=3.5km az=150.0. Probable coal bump. Suspected Mining induced.
ISC XII 04 15 15 26.7–.61 37.09N–.03 104.96W–.03 10 134 0-37
ISCJB XII 04 15 15 25.4–.21 37.04N–.02 104.90W–.02 10 3.0b **¶602035755**
IDC XII 04 15 15 25.4–.90 37.06N 105.11W 0 3.7,3.5
NEIC XII 04 15 15 26.8–.23 37.03N 104.94W 5 3.9L,3.5W
ANF XII 04 15 15 26.0–.45 37.08N 105.00W 4.2L,3.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=21.7.
IDC Error ellipse: s-maj=18.6km s-min=9.6km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=212.0. Felt at Trinidad and Weston. Moment Tensor Solution. s13 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.98 $M_{\theta\theta}$0.14 $M_{\phi\phi}$1.84 $M_{r\theta}$-0.34 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s155.00000°,δ48.00000° ,λ-102.00000°. NP2:ϕ_s353.00000°,δ44.00000°,λ-77.00000°. Principal axes: T 2.0000,Plg2.0000°,Azm254.0000°; N 0.0300,Plg9.0000°,Azm163.0000° ; P -2.0400,Plg81.0000°,Azm356.0000° $M_0$2.00000×10^{14}
ANF Error ellipse: s-maj=4.4km s-min=3.5km az=2.0.
ISC XII 13 19 05 52.4–1.4 37.01N–.03 104.78W–.03 5–12 87 0-7
ANF XII 13 19 05 51.1–.29 37.06N 104.87W 3.5L **¶602043422**
NEIC XII 13 19 05 51.8–.30 36.97N 104.81W 5 3.3
ISC Event type fe.
ANF Error ellipse: s-maj=2.6km s-min=2.0km az=177.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=205.0. Felt at Trinidad, Colorado.

(486) New Madrid region, Missouri.

ISC X 31 12 05 59.3–.94 36.09N–.01 89.78W–.01 11–7 124 0-5
ISCJB X 31 12 05 58.8–.30 36.09N–.01 89.78W–.01 6–2 **¶602031563**
NEIC X 31 12 05 59.3–.00 36.09N 89.77W 6 2.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=1.9km s-min=1.6km az=12.5.
NEIC Event type se. After CERI.

(489) Southern Indiana.

ISC XI 20 23 28 20.5–1.0 38.47N–.01 87.90W–.01 2–9 442 0-28
IDC XI 20 23 28 21.5–.91 38.59N 87.68W 0 3.7,3.4L **¶601993289**
ANF XI 20 23 28 21.8–.21 38.46N 87.89W 6–1 4.5L,3.4L
NEIC XI 20 23 28 22.6–.00 38.45N 87.89W 17 3.6,3.4L
CERI XI 20 23 28 22.6 38.45N 87.89W 17 3.6,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=52.0.
ANF Error ellipse: s-maj=1.4km s-min=1.3km az=41.0.
NEIC Event type fe. Felt [IV] at Albion and Bone Gap; [III] at Calhoun, Greyville, Mount Carmel, Noble, Olney and West Salem. Also felt [III] at Evansville, Haubstadt, Owensville, Patoka and Princeton, Indiana. Felt in much of northern Kentucky, southeastern Illinois and southwestern Indiana. After CERI.

(490) Kentucky.

ISC XI 10 17 08 13.4–.61 37.15N–.01 83.08W–.02 17–4 4.2b 700 0-146
IDC XI 10 17 08 11.2–.41 37.14N 82.88W 0 4.3,4.1 **¶601883744**
ANF XI 10 17 08 14.0–.18 37.13N 83.09W 12–1 5.2L,4.1
NEIC XI 10 17 08 14.3–.00 37.14N 83.05W 17 4.3b,4.2W
CERI XI 10 17 08 14.3 37.14N 83.05W 17 4.3b,4.2W
ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=5.0km az=115.0.
ANF Error ellipse: s-maj=2.3km s-min=1.7km az=101.0.
NEIC Event type fe. Felt [V] at Ermine, Evarts, Happy, Jeremiah, Kings Mountain and Orlando and [IV] in the Versailles-Prestonburg-Middlesboro area. Also felt [IV] at Appalachia and Dryden, Virginia; at Delbarton, Glenwood, Logan, Salt Rock and Williamstown, West Virginia; at Andrews and North Wilkesboro, North Carolina; at Decatur, Kingston and Rossville, Georgia; at Benton, Bloomington Springs, Blountville, Byrdstown, Huntsville, Jacksboro, Jamestown, Pall Mall, Pioneer and Sunbright, Tennessee; at Oak Hill and Ripley, Ohio. Felt widely in the eastern U.S. from Columbus, Ohio to Alanta, Georgia and from Roanoke, Virginia to Evansville, Indiana and Nashville, Tennessee. After CERI. Moment Tensor Solution. s50 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.75 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-1.01 $M_{r\theta}$-0.84 $M_{\theta\phi}$1.30 $M_{\phi r}$0.54 Best double couple: NP1:ϕ_s207.00000°,δ58.00000°,λ-163.00000°. NP2:ϕ_s108.00000° ,δ75.00000°,λ-33.00000°. Principal axes: T 2.3800,Plg11.0000°,Azm161.0000° ; N -0.3300,Plg54.0000°,Azm267.0000°; P -2.0600,Plg33.0000°,Azm63.0000° $M_0$2.20000×10^{15}

(495) Eastern Arizona.

ISC X 08 22 41 07.4–.79 33.40N–.04 109.22W–.03 8 73 1-9
IDC X 08 22 41 06.7–1.1 33.39N 109.17W 0 3.4,3.4L **¶601819768**
ISCJB X 08 22 41 07.0–.33 33.39N–.03 109.23W–.03 8 3.4,3.4L
NEIC X 08 22 41 07.6–.28 33.39N 109.22W 5 3.6W,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=16.4km s-min=8.6km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=5.4.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=178.0. Felt at Blue. Moment Tensor Solution. s24 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.85 $M_{\theta\theta}$0.37 $M_{\phi\phi}$2.49 $M_{r\theta}$0.30 $M_{\theta\phi}$0.68 $M_{\phi r}$-0.19 Best double couple: NP1:ϕ_s203.00000°,δ44.00000°,λ-81.00000°. NP2: ϕ_s10.00000°,δ46.00000°,λ-99.00000°. Principal axes: T 2.6900,Plg1.0000°,Azm106.0000° ; N 0.2000,Plg6.0000°,Azm16.0000°; P -2.8900,Plg84.0000°,Azm205.0000° $M_0$2.80000×10^{14}
NEIC X 29 07 50 54.5–.27 33.40N 109.25W 5 3.5L
¶602037290
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=3.1km az=170.0.

(496) New Mexico.

NEIC IX 29 00 59 48.2–.23 34.68N 106.82W 5 3.5L
¶601767276
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=70.0. Felt [II] at Belen and Los Lunas. Also felt at Albuquerque, Bosque Farms, Jarales and Rio Rancho.

(497) Northwestern Texas-Oklahoma border region.

ISC VIII 12 00 36 03.8–1.4 35.42N–.03 101.85W–.03 2–11 61 1-15
IDC VIII 12 00 36 03.7–1.4 35.44N 101.92W 0 4.2,3.9 **¶601582235**
NEIC VIII 12 00 36 05.2–.79 35.37N 101.91W 5 3.3,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=9.8km az=87.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.1km az=221.0.

(499) Oklahoma.

ISC VII 30 19 35 06.7–1.4 35.53N–.05 96.81W–.04 11–10 63 1-23
NEIC VII 30 19 35 06.0–.00 35.50N 96.82W 5 3.4L ¶601706337
ISC Event type fe.
NEIC Event type fe. Felt [III] at Meeker and [II] at Shawnee. Also felt at Earlsboro, Lawton, Muskogee, Norman, Oklahoma City, Prague, Sparks, Stillwater and Tulsa. Felt at Springdale, Arkansas; Joplin, Missouri; Derby and South Haven, Kansas. After TUL.
ISC X 09 08 49 06.8–.68 36.07N–.03 97.38W–.02 10 77 0-77
NEIC X 09 08 49 07.0–.00 36.08N 97.39W 9 3.3L ¶601804041
ISC Event type fe.
NEIC Event type fe. Felt [II] at Coyle, Edmond, Guthrie and Stillwater. Also felt at Arcadia, Bison, Crescent, Mulhall, Norman, Oklahoma City, Orlando and Spencer. After TUL.
ISC XII 12 03 30 14.8–.73 35.54N–.03 96.79W–.02 10 86 1-6
ISCJB XII 12 03 30 13.6–.34 35.63N–.03 96.77W–.02 10 ¶602037007
ANF XII 12 03 30 14.7–.37 35.59N 96.77W 9–2 4.0L
NEIC XII 12 03 30 15.0–.00 35.53N 96.76W 5 3.1L
TUL XII 12 03 30 15.0 35.53N 96.76W 5 3.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=163.2.
ANF Error ellipse: s-maj=2.2km s-min=1.2km az=167.0.
NEIC Event type fe. Felt [IV] at Prague and [II] at Okemah. Also felt at Bethany, Bristow, Broken Arrow, Chandler, Harrah, Oklahoma City, Seminole, Shawnee, Spencer, Tahlequah, Tulsa and Yukon. After TUL.

(500) Central Texas.

ISC IX 30 04 04 58.8–1.2 32.87N–.03 97.00W–.03 0–9 319 1-32
IDC IX 30 04 04 58.6–3.1 32.88N 96.82W 0 3.6,3.5b ¶601780640
NEIC IX 30 04 05 00.9–1.4 32.84N 96.98W 5–2 3.4,3.5b
ISC Event type fe.
IDC Error ellipse: s-maj=46.2km s-min=14.1km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=7.6km az=80.0. Felt [IV] at Dallas and Irving and [III] at Allen, Carrollton, Colleyville, Coppell, Euless, Fort Worth, Garland, Grand Prairie, Grapevine, Hurst, Lewisville, Plano, Roanoke and Southlake. Felt widely in the Dallas-Fort Worth area.

(502) Arkansas.

ISC X 29 12 39 23.6–.90 35.23N–.02 90.64W–.02 18–3 388 0-23
ISCJB X 29 12 39 23.8–.23 35.224N–.01 90.62W–.01 29–2 ¶601861574
IDC X 29 12 39 24.3–3.7 35.48N 91.03W 0 4.1L,3.6
NEIC X 29 12 39 24.1–.00 35.21N 90.64W 23 3.9,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=34.8.
IDC Error ellipse: s-maj=43.8km s-min=16.7km az=112.0.
NEIC Event type fe. Felt [IV] at Colt, Earle, Hughes, Proctor, Tyronza and Wynne; [III] at Blytheville, Cherry Valley, Crowfordsville, Forrest City, Harrisburg, Marion, Marked Tree, Osceola, Palestine, Parkin, Turrell and West Memphis. Felt [III] at Horn Lake, Nesbit, Robinsonville, Southaven and Walls, Mississippi. Felt [III] at Brighton, Covington, Drummonds, Germantown and Memphis, Tennessee. Felt in much of northeastern Arkansas, northwestern Mississippi and southwestern Tennessee and in parts of southeastern Missouri. After CERI.

(503) Louisiana-Texas border region.

ISC XII 07 19 38 38.6–1.2 31.91N–.04 94.41W–.04 12–9 141 0-9
NEIC XII 07 19 38 37.8–.42 31.87N 94.40W 5 2.8 ¶602032163
ISCJB XII 07 19 38 38.5–.56 31.89N–.02 94.43W–.02 23–5 2.8
ANF XII 07 19 38 39.8–.37 31.89N 94.43W 19–2 3.9L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.2km az=158.0. Felt [III] at Garrison and Timpson. Also felt at Tyler.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=177.3.
ANF Error ellipse: s-maj=2.8km s-min=1.9km az=169.0.

(505) Mississippi.

ISC XI 10 04 24 14.7–1.1 30.20N–.03 88.10W–.02 15–9 97 1-7
NEIC XI 10 04 24 13.1–1.5 30.11N 88.10W 11–11 2.6 ¶601883723
CERI XI 10 04 24 13.0 30.11N 88.10W 11 2.6
ANF XI 10 04 24 15.0–.45 30.19N 88.07W 10–3 3.5L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=4.2km az=193.0. Felt [III] on Dauphin Island and [II] at Gulf Shores.
ANF Error ellipse: s-maj=2.7km s-min=1.9km az=167.0.

(509) Georgia.

ISC VII 04 01 51 49.4–.88 33.16N–.02 83.00W–.02 14–7 138 0-28
ISCJB VII 04 01 51 48.5–.36 33.17N–.01 82.98W–.01 3–2 ¶601258038
NEIC VII 04 01 51 48.9–.00 33.12N 82.93W 10 2.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=152.2.
NEIC Event type fe. Felt [III] at Milledgeville and [II] at Sandersville. Also felt at Jackson and Sparta. After CERI.

(513) Off east coast of United States.

IDC X 08 00 46 31.8–623 30.13N 77.66W 0 ¶601997437
IDC Error ellipse: s-maj=312.2km s-min=192.8km az=44.0.

(519) Southern Texas.

ISC XI 07 17 37 59.7–2.6 27.3N–.70 98.8W–.40 10 8 5-48
ISCJB XI 07 17 37 58.2–1.4 27.4N–.50 98.8W–.30 10 3.5b ¶602388969
IDC XI 07 17 38 05.6–6.2 28.37N 98.74W 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=80.4km s-min=8.7km az=23.5.
IDC Error ellipse: s-maj=126.0km s-min=28.6km az=174.0.

(522) Northern Mexico.

MEX VII 22 15 07 26.0–43 25.07N 99.06W 20–999 3.6 ¶603312419
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX VII 24 01 16 30.9–41 25.12N 99.24W 20–999 3.5 ¶603312446
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX VII 25 20 52 01.2–35 25.18N 99.17W 20–999 3.5 ¶603312482
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX IX 04 04 52 37.0–45 25.18N 99.15W 20–999 3.6 ¶603514327
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX IX 15 18 28 06.6–.32 27.09N 100.43W 4–14 3.6 ¶603514467
MEX Error ellipse: s-maj=7.0km s-min=15.9km az=-1.0.
MEX X 29 06 47 39.4–37 25.07N 99.03W 5 3.8 ¶603776304
MEX Error ellipse: s-maj=197.3km s-min=408.2km az=-1.0.
MEX XI 16 12 29 19.7–45 25.01N 99.04W 20–999 3.5 ¶603826744
MEX Error ellipse: s-maj=630.3km s-min=999.9km az=-1.0.
MEX XII 24 14 37 48.3–42 25.16N 99.17W 15–999 3.6 ¶603932139
MEX Error ellipse: s-maj=818.4km s-min=937.0km az=-1.0.

(523) Central Mexico.

MEX VII 09 00 29 19.1–.50 19.27N 98.82W 15–2 3.8 ¶603312270
MEX Error ellipse: s-maj=4.7km s-min=2.9km az=-1.0.
MEX VII 09 03 49 23.4–.54 19.30N 98.95W 1–8 3.5 ¶603312271
MEX Error ellipse: s-maj=5.9km s-min=3.4km az=-1.0.
MEX VII 09 10 26 47.0–.38 19.25N 98.93W 5–2 3.7 ¶603312274
MEX Error ellipse: s-maj=4.1km s-min=2.3km az=-1.0.
MEX VII 14 05 22 39.2–.40 19.27N 98.86W 6–4 3.5 ¶603312344
MEX Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
MEX VII 23 08 27 12.9–44 24.96N 99.02W 20–999 3.6 ¶603312432
MEX Error ellipse: s-maj=341.8km s-min=999.9km az=-1.0.
MEX VII 24 03 07 32.0–11 24.94N 99.67W 20–999 3.6 ¶603312447
MEX Error ellipse: s-maj=71.8km s-min=346.4km az=-1.0.
MEX VII 24 10 59 24.6–.61 18.11N 97.64W 62–6 3.7 ¶603312455
MEX Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0.
MEX VII 24 11 03 49.1–.34 24.80N 99.68W 20–94 3.5 ¶603312456
MEX Error ellipse: s-maj=12.0km s-min=27.6km az=-1.0.
MEX VII 24 18 23 56.0–.63 24.57N 99.62W 20 3.5 ¶603312462
MEX Error ellipse: s-maj=8.2km s-min=4.2km az=-1.0.
MEX VII 25 04 54 17.6–.34 24.78N 99.78W 4–17 3.6 ¶603312474
MEX Error ellipse: s-maj=2.4km s-min=6.0km az=-1.0.
MEX VII 25 06 22 26.4–42 24.94N 99.01W 20–999 3.5 ¶603312476
MEX Error ellipse: s-maj=232.4km s-min=999.9km az=-1.0.
MEX VII 26 17 49 48.0–.87 18.10N 98.48W 64–9 3.8 ¶603312501
MEX Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.
MEX VII 29 14 49 07.7–.30 24.88N 99.71W 20 3.5 ¶603312529
MEX Error ellipse: s-maj=1.1km s-min=8.2km az=-1.0.
MEX VII 29 16 41 06.1–4.0 24.82N 99.73W 20 3.5 ¶603312532
MEX Error ellipse: s-maj=33.8km s-min=102.3km az=-1.0.
MEX VII 29 23 43 40.3–3.8 24.83N 99.68W 20 3.5 ¶603312536
MEX Error ellipse: s-maj=32.4km s-min=100.9km az=-1.0.
MEX IX 07 19 57 10.8–.70 24.47N 98.29W 10 3.5 ¶603514378
MEX Error ellipse: s-maj=8.3km s-min=11.6km az=-1.0.
MEX IX 14 13 29 16.3–.75 24.76N 99.86W 20–24 3.5 ¶603514440
MEX Error ellipse: s-maj=5.5km s-min=12.5km az=-1.0.
MEX IX 14 13 54 37.0–.30 24.78N 99.78W 5 3.5 ¶603514441
MEX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
MEX IX 15 11 12 29.2–.34 24.70N 99.72W 14–9 3.6 ¶603514462
MEX Error ellipse: s-maj=4.5km s-min=5.7km az=-1.0.
MEX IX 27 19 01 43.8–.57 18.03N 97.47W 69–3 3.9 ¶603514693
MEX Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
IDC X 02 06 42 12.7–5.0 24.97N 106.56W 0 3.7L,3.6 ¶601996775
IDC Error ellipse: s-maj=77.9km s-min=22.2km az=139.0.
MEX X 11 06 31 08.2–.31 24.73N 99.73W 13–14 3.6 ¶603775812
MEX Error ellipse: s-maj=4.5km s-min=7.4km az=-1.0.
MEX X 21 09 34 19.7–1.6 19.12N 99.25W 5 3.5 ¶603775977
MEX Error ellipse: s-maj=5.2km s-min=10.8km az=-1.0.
MEX XI 17 16 34 15.3–.37 18.03N 97.70W 59–3 3.5 ¶603826760
MEX Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.

(524) Jalisco.

MEX VIII 12 16 31 23.6–1.4 21.10N 101.32W 15 3.6 ¶604033403
MEX Error ellipse: s-maj=14.0km s-min=76.7km az=-1.0.
MEX VIII 12 19 49 26.3–1.5 21.15N 101.41W 15 3.7 ¶604033404
MEX Error ellipse: s-maj=57.1km s-min=201.6km az=-1.0.
MEX VIII 15 22 41 41.4–1.1 19.44N 103.85W 11–5 3.5 ¶604033425
MEX Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0.
MEX X 25 13 47 26.9–1.3 19.24N 103.89W 41–11 3.7 ¶603776055
MEX Error ellipse: s-maj=6.7km s-min=6.6km az=-1.0.
MEX X 30 13 17 07.3–.47 19.44N 103.96W 59–6 3.5 ¶603776450
MEX Error ellipse: s-maj=9.3km s-min=7.9km az=-1.0.
MEX XI 05 01 28 35.1–.57 19.18N 103.93W 72–3 3.5 ¶603826526
MEX Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
MEX XI 20 15 15 33.8–.68 19.11N 103.91W 11–2 3.6 ¶603826782
MEX Error ellipse: s-maj=3.8km s-min=2.6km az=-1.0.
MEX XI 30 14 34 21.3–.90 19.40N 103.66W 102–5 3.7 ¶603826897
MEX Error ellipse: s-maj=5.1km s-min=5.4km az=-1.0.

(525) Veracruz.

MEX VII 06 05 32 24.8–.46 19.47N 96.55W 17–4 4.1
NEIC VII 06 05 32 24.8–.00 19.47N 96.55W 17 4.1 ¶601519813
MEX Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 10 01 57 22.1–.44 19.18N 95.79W 16–88 3.9 ¶603775786
MEX Error ellipse: s-maj=4.6km s-min=100.5km az=-1.0.
MEX X 29 06 30 25.0–.75 19.17N 96.04W 20–39 3.8 ¶603776303
MEX Error ellipse: s-maj=3.3km s-min=7.9km az=-1.0.
MEX XI 18 00 37 49.3–.33 18.27N 95.46W 16–999 3.9 ¶603826763
MEX Error ellipse: s-maj=6.3km s-min=3.4km az=-1.0.
MEX XI 19 11 30 20.5–.71 20.21N 96.42W 5 3.9 ¶603826775
MEX Error ellipse: s-maj=5.4km s-min=7.2km az=-1.0.
MEX XII 02 14 05 05.6–.89 19.48N 96.25W 3–90 3.9 ¶603931926
MEX Error ellipse: s-maj=42.3km s-min=70.5km az=-1.0.
MEX XII 03 16 29 41.6–.48 20.25N 97.14W 9–8 3.9 ¶603931936
MEX Error ellipse: s-maj=7.9km s-min=2.3km az=-1.0.

(526) Gulf of Mexico.

ISC XII 28 00 28 14.7–1.5 26.8N–.10 88.16W–.05 10 129 4-53
ISCJB XII 28 00 28 16.0–.60 27.02N–.04 88.16W–.03 10 3.0b ¶602380753
IDC XII 28 00 28 18.8–5.6 27.30N 88.64W 0 3.6,3.5L
ANF XII 28 00 28 20.2–.50 27.16N 88.12W 10 4.0L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=1.6.
IDC Error ellipse: s-maj=97.6km s-min=19.2km az=143.0.
ANF Error ellipse: s-maj=5.1km s-min=3.5km az=2.0.

(527) Bay of Campeche.

MEX VIII 26 12 22 24.0–.41 20.16N 94.92W 15 3.9 ¶604033541
MEX Error ellipse: s-maj=9.8km s-min=4.2km az=-1.0.
MEX X 14 08 45 42.7–.65 18.14N 94.51W 42–5 3.6 ¶603775867
MEX Error ellipse: s-maj=4.9km s-min=4.8km az=-1.0.

MEX XI 30 18 39 20.6–.63 18.24N 94.56W 35–11 4.0
NEIC XI 30 18 39 20.8–.00 18.25N 94.59W 22 4.0 **¶602055677**
MEX Error ellipse: s-maj=4.8km s-min=8.4km az=-1.0.
NEIC Event type se. After MEX.

SEISMIC REGION 35.
Eastern South America.

(528) Brazil.

ISC XII 08 18 52 31.3–.94 13.76S–.09 49.61W–.09 10 9 2-149
IDC XII 08 18 52 34.3–1.1 13.76S 49.09W 0 4.5L,4.2 **¶602390834**
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=15.0km az=62.0.

SEISMIC REGION 36.
Northwestern Europe.

(533) United Kingdom.

ISC VIII 26 20 37 38.6–1.1 50.55N–.02 2.26W–.03 13–10 68 1-6
ISCJB VIII 26 20 37 38.6–.55 50.47N–.02 2.20W–.04 13–4 **¶601766518**
BGS VIII 26 20 37 40.6–1.4 50.55N 2.28W 10–15 2.0L
LDG VIII 26 20 37 40.2–.17 50.56N 2.27W 10 2.8,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=173.7.
BGS Error ellipse: s-maj=3.8km s-min=9.6km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=157.0.
IDC IX 04 16 17 15.0–999 54.20N 0.09W 0
¶601862940
IDC Error ellipse: s-maj=495.1km s-min=189.2km az=103.0.
IDC IX 06 16 55 11.8–917 54.71N 0.25W 0
¶601863058
IDC Error ellipse: s-maj=453.9km s-min=196.9km az=104.0.
ISC IX 29 12 26 48.5–1.1 50.06N–.04 5.11W–.06 13–9 32 0-8
ISCJB IX 29 12 26 47.4–.64 50.02N–.03 5.02W–.06 5–5 **¶602778217**
LDG IX 29 12 26 49.9–.23 50.03N 5.19W 5 2.5L
STR IX 29 12 26 49.6–1.5 50N–6.0 5W–6.0 6–19 2.1,2.1
ISC Event type ke.
ISCJB Event type ke.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC XII 14 23 03 00.1–.69 50.92N–.02 0.76W–.02 10 145 1-8
ISCJB XII 14 23 02 59.7–.25 50.81N–.02 0.63W–.02 10 **¶602043616**
LDG XII 14 23 03 02.5–.06 50.98N 0.83W 10 3.4L,3.3
BGS XII 14 23 03 03.6–1.2 50.96N 0.82W 9–5 3.0L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=40.1.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=46.0.
BGS Error ellipse: s-maj=4.0km s-min=4.7km az=-1.0.

(534) North Sea.

IDC IX 06 17 24 50.7–308 53.56N 3.62E 0
¶601863061
IDC Error ellipse: s-maj=126.6km s-min=100.5km az=134.0.
IDC X 24 10 05 59.3–871 54.46N 2.01E 0
¶601999473
IDC Error ellipse: s-maj=422.0km s-min=174.4km az=109.0.

(535) Southern Norway.

BER XI 17 00 22 23.2–1.5 60.82N 7.13E 11–32
¶607286911
BER Error ellipse: s-maj=6.9km s-min=14.1km az=-1.0.

(536) Sweden.

UPP VII 10 23 20 10.6–.20 67.86N 20.13E 0 1.9L
¶606505543
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
ISC VIII 06 02 57 12.8–.96 56.66N–.02 12.11E–.02 9–6 3.8b 655 1-70
MOS VIII 06 02 57 10.9–1.1 56.60N 11.93E 10 3.9b **¶603805401**
IDC VIII 06 02 57 14.2–.64 56.53N 11.85E 0 4.2L,3.9
PRU VIII 06 02 57 14.7–.00 56.46N 12.19E 0 4.2,3.9
BGS VIII 06 02 57 15.8–.17 56.63N 11.69E 10 4.6L,4.6L
BGR VIII 06 02 57 15.4–.50 56.65N 12.14E 10 4.5L,4.6L
NAO VIII 06 02 57 16.8–1.3 56.82N 11.85E 4.0L,4.6L
UPP VIII 06 02 57 16.1–.50 56.61N 12.05E 10 4.1L,4.6L
NEIC VIII 06 02 57 16.1–.00 56.61N 12.05E 10 4.2b,4.1L
HEL VIII 06 02 57 16.9–.20 56.63N 12.11E 10 4.1L,4.1L
BNS VIII 06 02 57 16.3–1.2 56.63N 11.69E 10 4.2L,4.1L
BER VIII 06 02 57 17.5–3.2 56.65N 12.06E 15 4.1L,3.9L
LDG VIII 06 02 57 17.2–.08 56.68N 11.99E 30 4.2L,3.9L
ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=3.0km az=93.3.
IDC Error ellipse: s-maj=11.7km s-min=6.8km az=93.0.
BGS Error ellipse: s-maj=11.4km s-min=108.1km az=-1.0.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=24.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
NEIC Event type fe. Felt [III] at Falkenberg, Hoganas and Halmstad and [II] at Helsingborg, Kungsbacka and Varberg. Also felt at Boras, Eslov and Goteborg. Felt [III] at Gilleleje, Denmark. Also felt at Assentoft, Dronninglund, Dybbol, Farum, Hundested, Lejre, Nyborg, Nykobing, Odense and Ringsted. After UPP.
HEL Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Probable volcanic.
BNS Event type ke.
BER Error ellipse: s-maj=2.9km s-min=7.5km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=116.0.
UPP IX 27 23 24 17.9–.20 67.85N 20.21E 0 1.7L
¶604158448
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP X 08 23 25 58.4–.40 67.84N 20.19E 2–3 1.6L
¶604158508
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP X 22 14 04 42.5–.10 58.17N 17.09E 0 2.5L
¶606857475
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
ISC X 25 13 02 36.2–1.6 55.71N–.04 13.45E–.08 0–19 10 0-2
UPP X 25 13 02 35.9–.10 55.69N 13.37E 0 2.7L **¶604158587**
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XI 04 18 34 00.2–.00 67.85N 20.20E 0 2.1L
¶607287958
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
ISC XI 07 11 03 16.3–1.3 55.72N–.05 13.37E–.08 5–11 12 0-1
ISCJB XI 07 11 03 16.1–.89 55.73N–.04 13.4E–.10 1–10 **¶604158663**
UPP XI 07 11 03 16.2–.10 55.70N 13.37E 0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.1km az=159.4.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XI 15 00 19 30.8–.20 67.83N 20.20E 0 2.0L
¶607287948
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XI 18 00 26 20.5–.10 67.84N 20.19E 0 2.1L
¶607287949
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XI 18 23 14 11.7–.30 67.17N 20.72E 0 2.0L
¶607287950
UPP Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
UPP XI 19 23 08 23.5–.20 67.14N 20.70E 0 2.0L
¶607287959
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XI 25 00 23 37.0–.00 67.82N 20.19E 0 1.9L
¶604030134
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XII 01 00 25 09.9–.00 67.83N 20.19E 0 1.9L
¶604158802
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XII 01 00 25 13.2–.10 67.82N 20.20E 0 1.8L
¶604158805
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XII 02 00 33 33.7–.20 67.83N 20.23E 0 1.9L
¶607297657
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
ISC XII 03 21 13 11.7–1.2 66.84N–.02 23.60E–.02 17–6 137 1-12
IDC XII 03 21 13 11.7–.81 66.77N 23.91E 0 3.4,3.4 **¶601996010**
NAO XII 03 21 13 11.1–.70 66.83N 23.86E 2.6L,3.4
BER XII 03 21 13 12.6–4.6 66.80N 23.88E 0–12 2.6L,1.6L
UPP XII 03 21 13 12.6–.80 66.82N 23.56E 5–5 2.8L,1.6L
ISCJB XII 03 21 13 13.0–.46 66.79N–.01 23.65E–.05 23–4 2.8L,1.6L
KOLA XII 03 21 13 14.9 67.35N 24.00E 0 2.8L,1.6L
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=6.9km az=98.0.
BER Error ellipse: s-maj=5.9km s-min=28.3km az=-1.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=173.3.
KOLA Event type ke.
UPP XII 06 00 17 35.3–.00 67.82N 20.20E 0 1.8L
¶606860097
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XII 06 00 17 37.6–.20 67.83N 20.21E 0 1.6L
¶606860974
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XII 08 00 19 56.6–.50 67.84N 20.30E 0 1.8L
¶607297658
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
UPP XII 10 00 17 49.7–.20 67.81N 20.21E 0 1.7L
¶607297659
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
UPP XII 26 00 23 02.6–.10 67.83N 20.22E 0 2.1L
¶607297660
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(537) Baltic Sea.

ISC VIII 07 11 58 10.0–1.2 56.67N–.05 17.53E–.06 10 20 1-13
ISCJB VIII 07 11 58 09.0–.87 56.64N–.05 17.66E–.09 10 **¶601765602**
UPP VIII 07 11 58 09.9–.30 56.66N 17.52E 0 1.7L
IDC VIII 07 11 58 11.4–2.6 56.73N 17.63E 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=42.6.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=12.2km az=3.0.
ISC VIII 07 14 28 54.0–1.7 56.53N–.06 17.37E–.06 13–10 23 1-14
ISCJB VIII 07 14 28 52.9–2.2 56.52N–.06 17.4E–.10 2–22 **¶601555973**
UPP VIII 07 14 28 54.1–.30 56.52N 17.37E 0 1.7L
IDC VIII 07 14 28 57.1–3.2 56.69N 17.57E 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.2km az=38.7.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=14.9km az=11.0.
ISC VIII 20 15 57 12.7–1.2 58.36N–.06 18.05E–.05 10 9 1-12
ISCJB VIII 20 15 57 13.0–.98 58.36N–.06 18.2E–.10 10 **¶601766202**
UPP VIII 20 15 57 13.4–.20 58.36N 18.07E 0 1.6L
IDC VIII 20 15 57 23.4–2.1 59.07N 18.68E 0 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=8.2km az=41.7.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=8.4km az=176.0.
ISC XI 28 12 19 53.2–1.3 57.74N–.05 18.78E–.04 5–13 18 1-4
UPP XI 28 12 19 54.9–.60 57.77N 18.62E 0 1.9L **¶604158787**
LVSN XI 28 12 19 58.6–2.5 57.47N 18.86E 0–42 2.6L
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
LVSN Error ellipse: s-maj=15.4km s-min=32.3km az=-1.0.
ISC XII 05 10 48 11.5–1.1 55.99N–.04 15.56E–.06 10 15 0-2
ISCJB XII 05 10 48 11.5–.78 56.00N–.05 15.6E–.10 10 **¶604158825**
UPP XII 05 10 48 11.3–.30 56.00N 15.57E 0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.9km az=28.4.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.

(538) France.

ISC VII 07 05 17 07.3–.92 44.63N–.03 6.73E–.04 10–7 34 0-1
ISCJB VII 07 05 17 06.9–.75 44.63N–.03 6.72E–.06 11–5 **¶601624963**
STR VII 07 05 17 06.8–.81 45N–3.0 7E–4.0 12–7 1.1
CSEM VII 07 05 17 07.0–.17 44.64N 6.73E 10 2.2L
LDG VII 07 05 17 07.7–.07 44.64N 6.69E 2 2.6,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=151.4.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup-2.11. preliminary.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=66.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=75.0.
ISC VII 07 06 41 27.2–.86 44.12N–.02 6.94E–.02 13–6 79 0-2
CSEM VII 07 06 41 27.7–.10 44.13N 6.91E 5 2.5L **¶601624965**
GEN VII 07 06 41 27.6 44.11N 6.91E 0 1.6L
ISCJB VII 07 06 41 27.6–.29 44.12N–.02 6.90E–.02 12–3 1.6L
LDG VII 07 06 41 28.1–.05 44.12N 6.93E 2 2.8,2.7L
ROM VII 07 06 41 28.4–.16 44.140N–.01 6.98E–.01 10 1.8L,2.7L
STR VII 07 06 41 28.3–.32 44N–2.0 7E–2.0 7 1.9,2.7L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup-2.11. preliminary.
ISC VII 10 03 27 23.6–.93 48.22N–.01 0.31W–.01 15–8 250 0-6
STR VII 10 03 27 20.9–.26 48N–3.0 0W–2.0 0 5.6b,5.1 **¶601258350**
CSEM VII 10 03 27 23.1–.08 48.21N 0.32W 8 3.3L,5.1
LDG VII 10 03 27 24.6–.04 48.23N 0.36W 2 3.5,3.3L
BGS VII 10 03 27 24.2–.44 48.25N 0.34W 4 2.7L,3.3L
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=25.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=22.0.
BGS Error ellipse: s-maj=5.8km s-min=4.2km az=-1.0.
ISC VII 13 06 09 50.6–.82 44.49N–.02 6.74E–.02 18–4 107 0-3
ISCJB VII 13 06 09 50.6–.27 44.49N–.02 6.74E–.03 19–3 **¶601625044**
GEN VII 13 06 09 50.1 44.47N 6.67E 5 2.4L
CSEM VII 13 06 09 50.0–.13 44.49N 6.71E 5 2.9L
IASPE VII 13 06 09 50.2–.82 44.49N–.02 6.75E–.02 14–5 2.9L
LDG VII 13 06 09 50.4–.04 44.49N 6.70E 2 3.0,3.0L
ROM VII 13 06 09 50.4–.19 44.505N–.01 6.73E–.02 10 2.4L,3.0L
STR VII 13 06 09 51.1–.24 45N–1.0 7E–1.0 6–2 2.6,2.6
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC VII 17 10 24 17.6–.90 44.79N–.02 6.74E–.02 6–6 66 0-1
ISCJB VII 17 10 24 16.7–.33 44.77N–.02 6.70E–.03 8–4 **¶601625079**
GEN VII 17 10 24 17.4 44.79N 6.72E 6 1.5L

CSEM VII 17 10 24 17.3–.12 44.79N 6.74E 2 2.2L
ROM VII 17 10 24 17.1–.17 44.803N–.01 6.75E–.01 11–1 1.6L
LDG VII 17 10 24 17.4–.04 44.80N 6.75E 2 2.6,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=160.9.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=86.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=80.0.
ISC VII 17 13 54 01.1–1.0 48.99N–.03 2.06W–.02 6–13 46 0-3
ISCJB VII 17 13 54 00.4–.43 48.97N–.02 2.05W–.04 3–7 **¶601625082**
CSEM VII 17 13 54 00.7–.08 49.01N 2.06W 8 2.4L
LDG VII 17 13 54 01.6–.10 49.00N 2.05W 2 2.5L,2.1
BGS VII 17 13 54 01.8–.13 49.35N 2.11W 6–137 1.4L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=154.6.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=161.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=167.0.
BGS Error ellipse: s-maj=29.1km s-min=7.1km az=-1.0.
ISC VII 20 04 24 43.3–1.1 46.70N–.02 1.26W–.02 10–9 216 1-7
CSEM VII 20 04 24 42.6–.18 46.65N 1.27W 2 3.3L **¶601625109**
STR VII 20 04 24 44.3–.46 47N–5.0 1W–7.0 5 3.4,3.4
LDG VII 20 04 24 44.7–.12 46.67N 1.30W 2 3.2L,3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=62.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=59.0.
ISC VII 24 13 10 04.5–.80 44.47N–.01 6.99E–.02 13–5 210 0-6
ROM VII 24 13 10 04.6–.21 44.469N–.01 7.01E–.01 10–0 2.7L **¶601465930**
ISCJB VII 24 13 10 04.1–.22 44.48N–.01 6.95E–.02 12–2 2.7L
CSEM VII 24 13 10 04.4–.10 44.49N 6.98E 5 3.1L
GEN VII 24 13 10 04.7 44.46N 6.95E 5 2.7L
STR VII 24 13 10 05.1–.34 44N–2.0 7E–2.0 5 3.0,3.0
LDG VII 24 13 10 05.3–.06 44.46N 7.01E 2 3.3,3.2L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=65.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=65.0.
LDG VIII 02 02 56 36.1–.05 48.95N 7.66E 10 2.1,2.0L
STR VIII 02 02 56 36.0–.35 49N–2.0 8E–2.0 9–5 1.4,2.0L **¶601503297**
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC VIII 04 11 50 15.4–.93 44.48N–.02 6.70E–.02 13–8 60 0-4
ISCJB VIII 04 11 50 14.9–.34 44.47N–.02 6.68E–.02 8–3 **¶601614409**
ROM VIII 04 11 50 15.6–.18 44.49N–.01 6.72E–.02 13–3 1.8L
GEN VIII 04 11 50 15.6 44.46N 6.68E 5–2 1.7L
LDG VIII 04 11 50 15.5–.08 44.48N 6.68E 2 2.5,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=135.2.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=36.0.
STR VIII 09 01 33 50.8–.62 48N–2.0 8E–2.0 10–13 1.0
LDG VIII 09 01 33 50.4–.03 48.35N 7.79E 16 1.6,1.6L **¶601533513**
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=15.0.
LDG VIII 10 17 13 30.7–.05 48.37N 7.30E 2 2.3L,2.2
STR VIII 10 17 13 29.9–.43 48N–2.0 7E–2.0 5–3 1.6,2.2 **¶601555982**
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC VIII 27 16 28 38.1–.84 44.56N–.02 6.84E–.02 11–6 72 0-3
ISCJB VIII 27 16 28 37.6–.26 44.55N–.01 6.79E–.02 11–2 **¶601627758**
ROM VIII 27 16 28 38.3–.39 44.554N–.01 6.84E–.02 10–2 2.0L
GEN VIII 27 16 28 38.1 44.56N 6.84E 2–1 1.8L
STR VIII 27 16 28 38.5–.41 45N–3.0 7E–4.0 5 2.1,2.1
LDG VIII 27 16 28 38.3–.05 44.57N 6.83E 2 2.6L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=162.7.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=72.0.
LDG IX 11 00 02 12.1–.09 47.98N 6.39E 2 1.1L,0.9
¶602778081
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=16.0.
LDG IX 11 00 02 16.7–.10 47.98N 6.40E 2 1.7,1.6L
¶602778084
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=177.0.
LDG IX 11 22 26 18.6–.07 44.74N 6.64E 2 1.3,1.0L
¶602778092
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=62.0.
ISC IX 12 00 32 54.4–.84 47.99N–.02 6.36E–.02 14–5 56 0-3
ISCJB IX 12 00 32 53.9–.28 47.95N–.02 6.34E–.02 11–3 **¶602424020**
STR IX 12 00 32 55.6–.37 48N–2.0 6E–2.0 13–1 1.7,1.7
LDG IX 12 00 32 55.6–.07 47.99N 6.38E 6 2.6,2.2L
BGR IX 12 00 32 58.1–1.3 48.08N 6.46E 10 1.4L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=173.5.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=178.0.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=5.6km az=43.0.
ISC IX 18 23 43 12.0–.93 47.28N–.01 6.55E–.01 18–5 164 0-6
ZUR IX 18 23 43 12.5 47.33N 6.54E 1–1 2.5L **¶601732937**
ROM IX 18 23 43 13.8–.35 47.29N–.02 6.46E–.03 10 2.3L
LDG IX 18 23 43 13.7–.04 47.30N 6.55E 7 3.0,2.8L
BGR IX 18 23 43 14.0–.60 47.29N 6.56E 10 2.5L,2.8L
ISC Event type ke.
ZUR Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=121.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=44.0.
ISC IX 19 02 32 43.9–.84 47.28N–.02 6.53E–.02 10–6 97 0-4
ISCJB IX 19 02 32 43.0–.22 47.27N–.01 6.49E–.02 9–2 **¶601838695**
STR IX 19 02 32 44.9–.27 47N–2.0 7E–2.0 7–2 1.9
ZUR IX 19 02 32 44.0 47.33N 6.54E 0–1 1.9L
BGR IX 19 02 32 44.6–1.0 47.28N 6.51E 10 2.0L
LDG IX 19 02 32 45.1–.05 47.30N 6.56E 7 2.5,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=146.7.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ZUR Event type ke.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=49.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=107.0.
STR IX 19 18 27 56.8–.27 48N–1.0 7E–2.0 11–3 1.5
LDG IX 19 18 27 56.7–.06 48.17N 7.07E 10 1.9L,1.8 **¶601731971**
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=147.0.
STR IX 21 13 07 48.4–.38 48N–2.0 8E–2.0 10 1.9,1.9
¶605281997
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC IX 25 17 19 48.8–1.1 49.77N–.03 0.04E–.02 13–9 67 1-5
ISCJB IX 25 17 19 47.5–.56 49.70N–.02 0.14E–.03 2–4 **¶601740451**
BGS IX 25 17 19 49.5–.94 49.81N 0.04E 2–13 2.1L
LDG IX 25 17 19 49.7–.10 49.82N 0.01W 4 2.7,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=7.5.
BGS Error ellipse: s-maj=16.7km s-min=31.5km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=3.0.
ISC IX 29 21 06 31.8–.76 44.72N–.01 6.76E–.02 12–4 113 0-4
ISCJB IX 29 21 06 31.6–.22 44.71N–.01 6.70E–.02 12–2 **¶601767306**
IASPE IX 29 21 06 31.7–.81 44.71N–.02 6.77E–.02 10–5
ROM IX 29 21 06 31.9–.19 44.708N–.01 6.74E–.02 10–0 2.0L
GEN IX 29 21 06 32.3 44.69N 6.73E 7–3 2.0L
STR IX 29 21 06 33.1–.27 45N–1.0 7E–2.0 5 2.4,2.4
LDG IX 29 21 06 33.0–.06 44.70N 6.79E 2 2.5,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=158.4.
IASPE Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=72.3. GT5 selection from ISC bulletin. GT5 identified by Bond¨ir and McLaughlin (2009) selection criteria. Bond¨ir and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=64.0.
ISC X 05 12 45 43.4–.78 45.84N–.01 6.87E–.02 15–5 153 0-5
ISCJB X 05 12 45 42.6–.21 45.86N–.01 6.82E–.02 11–1 **¶601790324**
GEN X 05 12 45 43.9 45.85N 6.87E 7–1 2.1L
ZUR X 05 12 45 44.1 45.85N 6.87E 2–2 2.2
ROM X 05 12 45 44.5–.17 45.830N–.01 6.95E–.01 11–0 2.1L
LDG X 05 12 45 44.4–.03 45.84N 6.92E 2 2.9L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=158.4.
ZUR Event type ke. Error ellipse: s-maj=4.3km s-min=0.8km az=174.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=94.0.
ISC X 08 03 11 23.7–.73 49.58N–.03 2.90W–.03 10 76 1-7
ISCJB X 08 03 11 22.5–.30 49.55N–.02 2.88W–.04 10 **¶601829114**
STR X 08 03 11 24.2–.38 50N–5.0 3W–5.0 0 2.9
BGS X 08 03 11 25.1–1.4 49.60N 2.93W 8–18 2.2L
LDG X 08 03 11 27.1–.16 49.48N 2.84W 15 3.0L,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=140.2.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
BGS Error ellipse: s-maj=13.0km s-min=19.2km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=152.0.
ISC X 11 14 18 41.4–.80 45.05N–.01 6.59E–.02 9–5 130 0-7
ISCJB X 11 14 18 40.4–.23 45.06N–.01 6.54E–.02 6–2 **¶601826733**
ROM X 11 14 18 41.0–.15 45.034N–.01 6.61E–.01 10–0 2.4L
GEN X 11 14 18 41.5 45.05N 6.61E 7–1 2.3L
IASPE X 11 14 18 41.4–.86 45.05N–.02 6.61E–.02 9–5 2.3L
ZUR X 11 14 18 41.4 45.05N 6.61E 8–2 2.6
STR X 11 14 18 42.2–.37 45N–2.0 7E–3.0 5 2.5,2.5
LDG X 11 14 18 42.2–.08 45.06N 6.66E 7 2.8L,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=154.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=95.7. GT5 selection from ISC bulletin. GT5 identified by Bond¨ir and McLaughlin (2009) selection criteria. Bond¨ir and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ZUR Event type ke. Error ellipse: s-maj=5.9km s-min=1.8km az=186.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=64.0.
ISC X 17 12 17 13.8–.88 44.50N–.02 6.73E–.02 16–7 63 0-3
ISCJB X 17 12 17 13.3–.32 44.49N–.02 6.70E–.03 11–3 **¶602778477**
ROM X 17 12 17 13.7–.15 44.501N–.01 6.72E–.01 12–1 2.0L
GEN X 17 12 17 13.7 44.49N 6.68E 7–2 1.9L
LDG X 17 12 17 14.2–.07 44.51N 6.73E 2 2.7L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=152.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=69.0.
ISC XI 02 18 22 39.5–1.0 44.46N–.02 6.70E–.02 7–9 102 0-7
ISCJB XI 02 18 22 38.7–.30 44.47N–.01 6.66E–.02 7–2 **¶601868899**
GEN XI 02 18 22 39.6 44.47N 6.70E 5–1 2.5L
ROM XI 02 18 22 40.0–.32 44.494N–.01 6.77E–.02 9–1 2.6L
LDG XI 02 18 22 41.1–.10 44.43N 6.76E 2 3.1L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=43.6.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=58.0.
ISC XI 11 20 09 11.1–.94 45.79N–.02 6.83E–.03 16–8 42 0-3
ISCJB XI 11 20 09 09.7–.41 45.84N–.02 6.80E–.04 9–4 **¶602778633**
LDG XI 11 20 09 10.9–.10 45.80N 6.93E 2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=19.2.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=92.0.
ISC XI 11 20 13 43.5–.80 44.79N–.01 6.74E–.02 10–5 126 0-6
ISCJB XI 11 20 13 43.2–.23 44.79N–.01 6.72E–.02 10–2 **¶602778634**
GEN XI 11 20 13 43.6 44.80N 6.74E 7–1 2.1L
ROM XI 11 20 13 43.5–.18 44.799N–.01 6.74E–.01 11–1 2.1L
LDG XI 11 20 13 43.7–.08 44.81N 6.73E 2 2.6,2.6L
STR XI 11 20 13 44.8–.33 45N–2.0 7E–3.0 0 2.7,2.7
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC XI 21 01 56 54.5–.80 44.62N–.01 6.75E–.02 12–5 107 0-4
ISCJB XI 21 01 56 54.4–.23 44.62N–.01 6.71E–.02 10–2 **¶602033858**
ROM XI 21 01 56 54.9–.15 44.639N–.01 6.75E–.01 13–1 2.0L
GEN XI 21 01 56 54.7 44.62N 6.69E 4–1 1.9L
STR XI 21 01 56 54.6–.41 45N–2.0 7E–3.0 6–5 2.2,2.2
LDG XI 21 01 56 55.7–.08 44.62N 6.77E 2 2.5L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=156.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=72.0.
ISC XI 22 11 08 04.8–.82 44.49N–.01 6.69E–.02 15–5 102 0-6
ISCJB XI 22 11 08 04.2–.26 44.47N–.01 6.65E–.02 9–2 **¶602033859**
ROM XI 22 11 08 05.1–.09 44.487N–.00 6.704E–.01 11–0 2.0L
STR XI 22 11 08 05.2–.29 44N–2.0 7E–2.0 10–3 2.4,2.4
GEN XI 22 11 08 05.0 44.47N 6.67E 7–1 2.0L,2.4
LDG XI 22 11 08 05.1–.04 44.48N 6.68E 2 2.7,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=148.9.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=47.0.
ISC XII 25 14 31 33.4–.78 44.50N–.02 6.75E–.02 19–5 95 0-3
ISCJB XII 25 14 31 32.7–.26 44.50N–.01 6.69E–.02 14–2 **¶602058392**
ROM XII 25 14 31 33.3–.20 44.506N–.01 6.73E–.01 9–0 2.1L
STR XII 25 14 31 33.3–.50 44N–2.0 7E–3.0 12–4 2.4,2.4
GEN XII 25 14 31 33.4 44.47N 6.69E 8–1 2.1L,2.4
LDG XII 25 14 31 33.8–.06 44.49N 6.74E 2 2.5,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=39.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=42.0.
ISC XII 25 21 58 12.2–1.0 46.92N–.01 1.67E–.01 18–9 159 1-7
STR XII 25 21 58 13.5–.37 47N–3.0 2E–2.0 5 3.1,3.1 **¶602779030**
LDG XII 25 21 58 13.0–.04 46.93N 1.66E 2 3.5,3.4L
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=19.0.
ISC XII 31 00 59 02.8–.90 45.13N–.01 6.47E–.02 9–7 116 0-5
ISCJB XII 31 00 59 01.7–.22 45.14N–.01 6.45E–.02 8–2 **¶602065122**
GEN XII 31 00 59 02.5 45.13N 6.46E 5–2 1.9L
STR XII 31 00 59 03.0–.23 45N–1.0 6E–2.0 5 1.9,1.9
ROM XII 31 00 59 02.0–.20 45.11N–.01 6.46E–.01 9–1 2.1L,1.9
LDG XII 31 00 59 03.3–.07 45.12N 6.54E 5 2.7L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=155.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup-2.11. preliminary.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=56.0.

(539) Bay of Biscay.

LDG X 28 11 38 17.1–.10 46.02N 2.64W 5 3.5,2.6L
¶602778558
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=61.0.

(540) The Netherlands.

ISC XI 24 02 27 58.5–1.0 51.13N–.03 5.96E–.03 18–4 70 0-5
ISCJB XI 24 02 27 58.4–.52 51.15N–.03 6.02E–.05 23–3 **¶602778729**
LDG XI 24 02 27 59.4–.05 51.13N 5.97E 6 2.5,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=14.6.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=162.0.

(541) Belgium.

ISC IX 14 01 06 10.6–.89 50.16N–.02 4.27E–.02 15–7 96 0-6
ISCJB IX 14 01 06 09.3–.31 50.09N–.02 4.19E–.02 7–2 **¶602778109**
LDG IX 14 01 06 11.8–.05 50.19N 4.32E 3 2.5,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=141.1.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=136.0.
ISC XII 04 09 50 15.6–.69 50.38N–.01 5.82E–.01 12 161 0-5
ISCJB XII 04 09 50 15.7–.19 50.31N–.01 5.84E–.02 12 **¶601996032**
LDG XII 04 09 50 17.8–.04 50.39N 5.85E 18–0 2.9L,2.8
BGR XII 04 09 50 17.8–.34 50.42N 5.90E 22–0 2.4L,2.8
BNS XII 04 09 50 18.6–.79 50.42N 5.91E 19–3 2.4L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=31.9.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=143.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=84.0.
BNS Event type ke.
ISC XII 10 14 03 05.4–.94 50.58N–.04 5.70E–.03 8–7 17 0-1
¶607290784
ISC Event type ke.
ISC XII 14 12 30 23.6–1.6 50.48N–.07 4.98E–.05 5–13 0-1
¶607290786
ISC Event type ke.

(542) Denmark.

ISC IX 09 19 21 35.0–1.5 55.87N–.06 10.85E–.06 10 24 1-15
ISCJB IX 09 19 21 33.7–1.4 55.71N–.08 10.7E–.10 10 **¶601705102**
UPP IX 09 19 21 33.5–1.7 55.68N 10.73E 0 1.8L
IDC IX 09 19 21 38.3–3.5 55.98N 10.55E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=6.9km az=41.5.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=24.1km az=60.0.
ISC X 28 15 10 02.9–1.5 55.93N–.08 11.04E–.07 10 16 1-3
UPP X 28 15 10 00.5–.80 55.92N 10.87E 0 2.5L **¶604158613**
ISCJB X 28 15 10 02.5–1.0 55.95N–.07 11.00E–.10 10 2.5L
ISC Event type ke.
ISCJB Event type ke.

(543) Germany.

ISC VII 01 07 03 47.6–1.5 48.90N–.05 9.57E–.06 14–12 26 1-3
LDG VII 01 07 03 46.6–.06 48.88N 9.68E 10 2.3,2.2L **¶601224673**
STR VII 01 07 03 50.0–1.1 49N–3.0 10E–7.0 10 3.1,3.1
CSEM VII 01 07 03 50.3–.97 48.77N 9.34E 15 3.1L,3.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=129.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
CSEM Event type ke. Error ellipse: s-maj=17.0km s-min=10.8km az=70.0.
STR VII 10 11 18 51.5–.93 49N–4.0 9E–3.0 0 2.9,2.9
¶605287528
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
WBNET VII 14 20 03 15.4 50.24N 12.45E 10 0.0L
¶605666667
ISC VII 19 18 10 59.7–.90 47.11N–.02 9.61E–.01 6–7 134 0-5
ZUR VII 19 18 10 58.6 47.11N 9.64E -2–2 2.0L **¶601405519**
ROM VII 19 18 10 59.6–.33 47.06N–.02 9.61E–.01 4–1 2.2L
VIE VII 19 18 10 59.1–.27 47.11N 9.57E 9–3 2.4L,1.8b
BGR VII 19 18 10 59.5–.59 47.07N 9.66E 10 2.1L,1.8b
ISCJB VII 19 18 10 59.1–.28 47.07N–.02 9.56E–.02 7–4 2.1L,1.8b
LDG VII 19 18 10 59.3–.15 47.11N 9.64E 2 2.5,2.5L
CSEM VII 19 18 10 59.2–.16 47.07N 9.60E 5 2.5L,2.5L
ISC Event type ke.
ZUR Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=2.1km s-min=1.8km az=132.0. 4 km SE of Vaduz .
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=0.6.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=171.0.
LDG VIII 23 20 38 16.8–.04 48.08N 8.36E 10 2.0,2.0L
STR VIII 23 20 38 16.8–.39 48N–4.0 8E–2.0 0 1.0,2.0L **¶601615609**
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC X 26 18 23 54.4–2.0 50.34N–.06 7.35E–.08 17–10 39 1-5
LDG X 26 18 23 55.4–.08 50.37N 7.39E 11 2.5,2.3L **¶601857697**
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=125.0.
ISC X 31 17 03 19.1–3.7 50.33N–.06 7.1E–.20 5–15 14 1-1
¶606965045
ISC Event type ke.
STR X 31 18 50 37.4–.66 49N–2.0 8E–4.0 5 1.0
¶601871696
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
STR X 31 21 43 27.1–.67 49N–2.0 8E–5.0 7–9 0.9
¶601871697
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
STR XI 01 02 04 27.6–.72 49N–3.0 8E–5.0 11–7 1.0
¶601871754
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
STR XI 01 03 26 30.5–.62 49N–2.0 8E–7.0 16–5 0.9
¶601871755
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC XI 12 11 15 04.0–1.2 49.13N–.04 8.17E–.06 14–8 25 0-3
STR XI 12 11 15 04.5–.38 49N–2.0 8E–4.0 12–2 2.2,2.2 **¶601888245**
LDG XI 12 11 15 04.9–.07 49.13N 8.12E 10 2.4,2.4L
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=112.0.
ISC XI 12 11 21 10.1–1.9 49.14N–.05 8.14E–.09 11 12 0-2
STR XI 12 11 21 10.2–.62 49N–3.0 8E–5.0 14–4 1.7,1.7 **¶601888246**
LDG XI 12 11 21 10.1–.07 49.16N 8.14E 10 2.1L,1.7
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=117.0.
LDG XI 23 03 03 58.6–.07 49.14N 8.13E 10 2.0,1.6L
STR XI 23 03 03 58.0–.90 49N–4.0 8E–5.0 5 1.6,1.6 **¶601993849**
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC XI 23 23 19 10.2–1.8 49.13N–.05 8.22E–.10 11 14 0-2
STR XI 23 23 19 10.8–.53 49N–2.0 8E–4.0 5 1.7,1.7 **¶601994039**
LDG XI 23 23 19 10.8–.05 49.14N 8.16E 6 2.2,1.9L
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=115.0.
STR XII 01 03 34 13.8–.42 49N–2.0 8E–3.0 10–8 0.9
¶601995562
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
WBNET XII 04 15 46 37.5 50.13N 12.33E 12 0.0L
¶605667395
ISC XII 11 15 17 12.7–1.2 49.98N–.03 6.03E–.06 3–26 15 0-1
¶607290785
ISC Event type ke.
ISC XII 16 05 54 35.3–.83 50.30N–.01 7.49E–.01 14–6 151 0-5
LDG XII 16 05 54 35.4–.08 50.31N 7.54E 7 2.9L,2.8 **¶602043796**
BGR XII 16 05 54 35.5–.26 50.34N 7.52E 10 2.4L,2.8
BNS XII 16 05 54 35.4–.44 50.30N 7.54E 7–2 2.2L,2.8
STR XII 16 05 54 36.6–.69 50N–5.0 7E–8.0 7 3.0,3.0
ISC Event type ke.
LDG Event type ke.
BGR Event type ke.
BNS Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
STR XII 18 20 28 39.0–.75 49N–2.0 8E–6.0 10–9 0.7
¶602051531
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
WBNET XII 24 15 48 26.0 50.22N 12.44E 11 0.2L
¶605668237
WBNET XII 24 15 48 25.2 50.22N 12.44E 11 0.1L
PRU XII 24 15 48 22.9–.00 50.13N 12.34E 0 0.1L **¶602059853**
PRU West Bohemia.

(544) Switzerland.

STR VII 20 12 21 53.8–.52 48N–3.0 8E–2.0 15 1.1
CSEM VII 20 12 21 53.8 47.51N 7.79E 15 1.1L **¶601453277**
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
STR VIII 02 03 32 55.3–1.4 48N–7.0 8E–4.0 26–7 0.7
¶601503299
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC VIII 09 02 44 44.2–.82 47.99N–.01 7.24E–.01 12–6 152 0-5
ZUR VIII 09 02 44 44.0 47.96N 7.29E 2–4 2.0L **¶601533184**
STR VIII 09 02 44 44.2–.29 48N–2.0 7E–3.0 0 2.7,2.7
BGR VIII 09 02 44 44.2–.41 47.99N 7.24E 10 2.1L,2.7
LDG VIII 09 02 44 44.4–.05 47.98N 7.27E 5 2.9,2.4L
ISC Event type ke.
ZUR Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=56.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=155.0.
ISC VIII 15 08 47 30.5–.84 46.16N–.02 6.87E–.02 8–6 83 0-3
ISCJB VIII 15 08 47 30.0–.25 46.15N–.01 6.82E–.02 9–2 **¶602777874**
ROM VIII 15 08 47 30.7–.12 46.153N–.01 6.88E–.01 10 1.5L
ZUR VIII 15 08 47 30.3 46.17N 6.84E -1–2 1.8L
GEN VIII 15 08 47 30.4 46.17N 6.84E 13–7 1.5L
LDG VIII 15 08 47 31.3–.08 46.15N 6.92E 2 2.5L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=167.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=82.0.
ISC X 20 22 45 21.0–.92 47.02N–.01 7.16E–.01 17–7 172 0-6
ISCJB X 20 22 45 19.7–.20 47.01N–.01 7.14E–.02 12–1 **¶601840855**
ZUR X 20 22 45 21.7 47.00N 7.22E 8–1 2.3
STR X 20 22 45 23.0–.35 47N–2.0 7E–2.0 12–2 2.6,2.6
LDG X 20 22 45 22.1–.05 47.00N 7.17E 8 2.7,2.6L
BGR X 20 22 45 23.0–.61 47.05N 7.18E 10 2.3L,2.6L
PRU X 20 22 45 25.3–.00 45.58N 9.18E 17 2.3L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=44.9.
ZUR Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=220.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=64.0.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=31.0.
ISC X 25 01 10 57.2–.75 46.05N–.01 6.89E–.01 12–4 474 0-11
ISCJB X 25 01 10 56.2–.14 46.070N–.01 6.84E–.01 6–1 **¶604481798**
GEN X 25 01 10 57.5 46.03N 6.90E 12–4 3.3L
ZUR X 25 01 10 57.6 46.04N 6.90E 4–2 3.6
IDC X 25 01 10 57.5–1.9 46.14N 6.75E 0 3.9L,3.6
ROM X 25 01 10 57.9–.25 46.005N–.01 6.96E–.02 8–1 3.2L,3.6
STR X 25 01 10 57.1–.73 46N–1.0 7E–2.0 2–6 4.0,4.0
LDG X 25 01 10 58.2–.06 46.03N 6.93E 2 3.9L,3.6
PRU X 25 01 10 59.8–.00 46.04N 7.10E 15 3.9L,3.6
BGR X 25 01 10 59.4–.35 46.10N 6.87E 10 3.8L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=136.2.
ZUR Event type ke. Error ellipse: s-maj=4.9km s-min=0.6km az=160.0.
IDC Error ellipse: s-maj=31.4km s-min=16.5km az=153.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. confirmed.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=137.0.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=161.0.
ISC XII 16 18 38 03.1–.90 46.36N–.01 6.28E–.02 14–7 116 0-4
ISCJB XII 16 18 38 02.3–.23 46.37N–.01 6.22E–.02 7–2 **¶602778946**
STR XII 16 18 38 04.1–.20 46N–1.0 6E–3.0 5 2.7,2.5
LDG XII 16 18 38 04.1–.04 46.35N 6.29E 2 2.7,2.7L
ZUR XII 16 18 38 04.3 46.39N 6.33E -0–5 2.0,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=10.6.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=85.0.
ZUR Event type ke. Error ellipse: s-maj=11.2km s-min=2.2km az=139.0.
LDG XII 18 00 09 53.3–.05 47.95N 7.61E 10 1.9L,1.8
STR XII 18 00 09 53.4–.43 48N–2.0 8E–1.0 10–8 1.2,1.8 **¶602046738**
ZUR XII 18 00 09 53.4 47.92N 7.63E 4–2 1.5,1.8
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=175.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ZUR Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=59.0.

(545) Northern Italy.

ISC VII 01 21 02 42.3–.77 44.88N–.02 11.24E–.01 14–4 290 0-7
ROM VII 01 21 02 40.4–.15 44.857N–.01 11.225E–.01 9–0 3.2L **¶601240405**
ISCJB VII 01 21 02 43.0–.22 44.83N–.01 11.21E–.02 22–2 3.2L
IASPE VII 01 21 02 42.6–.80 44.88N–.02 11.24E–.02 12–4 3.2L
CSEM VII 01 21 02 42.2–.22 44.85N 11.27E 8 3.2L
LDG VII 01 21 02 43.1–.11 44.85N 11.29E 2 3.1L

PRU VII 01 21 02 45.6 44.88N 11.51E 24 3.2
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=148.4.
IASPE Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=100.6. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=151.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=62.0.
ISC VII 06 02 44 44.6–.81 44.92N–.02 10.96E–.02 5–5 122 0-5
ROM VII 06 02 44 41.9–.16 44.917N–.01 10.93E–.01 8–0 2.5L **¶601624953**
CSEM VII 06 02 44 42.0–.65 44.84N 11.31E 5 2.9L
VIE VII 06 02 44 43.5–1.0 44.81N 11.38E 8 2.9L,2.5b
IASPE VII 06 02 44 44.4–.94 44.92N–.02 10.93E–.03 6–6 2.9L,2.5b
ISCJB VII 06 02 44 44.3–.26 44.92N–.02 10.98E–.02 10–2 2.9L,2.5b
LDG VII 06 02 44 45.7–.29 44.89N 11.13E 2 2.5L,2.5b
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
CSEM Event type ke. Error ellipse: s-maj=19.4km s-min=8.4km az=137.0.
VIE Error ellipse: s-maj=10.9km s-min=7.6km az=118.0. 35 km N of Bologna .
IASPE Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=105.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=135.9.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=3.9km az=124.0.
ROM VII 13 21 34 18.6–.20 44.83N–.01 11.34E–.01 9–0 1.2
¶601273204
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VII 14 18 59 39.5–.17 44.069N–.01 11.05E–.01 11–0 1.8L
¶605598108
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 14 22 29 26.6–.84 44.94N–.01 10.92E–.01 7–6 323 0-7
ROM VII 14 22 29 23.9–.16 44.927N–.01 10.931E–.01 7–0 3.0L **¶601273539**
IASPE VII 14 22 29 26.5–.87 44.93N–.02 10.93E–.02 7–6 3.0L
ISCJB VII 14 22 29 26.4–.21 44.97N–.01 10.92E–.02 13–1 3.0L
BGR VII 14 22 29 27.7–.49 44.87N 10.88E 10 3.2L
CSEM VII 14 22 29 27.1–.12 44.96N 10.95E 10 3.1L
PRU VII 14 22 29 27.9 44.71N 11.16E 32 3.1L
LDG VII 14 22 29 28.2–.34 44.92N 11.00E 2 3.2L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=105.1. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=38.1.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=166.0.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=95.0.
ISC VII 16 01 00 09.3–.82 44.93N–.01 10.94E–.02 7–5 273 0-8
ROM VII 16 01 00 06.4–.16 44.913N–.01 10.936E–.01 8–0 3.0L **¶601276377**
VIE VII 16 01 00 07.7–.28 44.97N 10.82E 5–4 2.8L,2.5b
ISCJB VII 16 01 00 08.5–.22 44.99N–.01 10.90E–.02 12–1 2.8L,2.5b
BGR VII 16 01 00 08.5–.48 44.72N 11.15E 10 3.2L,2.5b
CSEM VII 16 01 00 09.8–.20 45.00N 10.93E 10 2.9L,2.5b
IASPE VII 16 01 00 09.2–.89 44.93N–.02 10.92E–.03 5–6 2.9L,2.5b
LDG VII 16 01 00 10.9–.27 44.89N 11.01E 2 2.8L,2.5b
PRU VII 16 01 00 12.2 44.97N 11.02E 24 2.8L,2.5b
STR VII 16 01 00 12.7–3.8 45N–14 11E–35 5 4.0,4.0
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 66 km NW of Bologna .
ISCJB Event type ke.
BGR Event type ke.
CSEM Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
ISC VII 16 07 15 49.8–.78 44.92N–.02 10.91E–.02 17–4 272 0-7
BGR VII 16 07 15 48.3–.81 44.60N 10.91E 10 3.3L **¶601276386**
VIE VII 16 07 15 48.7–.27 44.92N 11.07E 5–2 3.0L,2.7b
ROM VII 16 07 15 48.1–.18 44.938N–.01 10.961E–.01 10–0 3.1L,2.7b
LDG VII 16 07 15 49.8–.13 44.90N 11.05E 2 3.2L,2.7b
CSEM VII 16 07 15 49.6–.21 44.93N 10.97E 10 3.2L,2.7b
ISCJB VII 16 07 15 50.2–.24 44.89N–.02 10.90E–.02 24–2 3.2L,2.7b
IASPE VII 16 07 15 50.1–.85 44.92N–.03 10.91E–.03 15–5 3.2L,2.7b
PRU VII 16 07 15 52.7 44.96N 10.94E 23 3.2L,2.7b
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=20.0km s-min=10.0km az=172.0.
VIE Error ellipse: s-maj=3.1km s-min=1.8km az=120.0. 51 km NNW of Bologna .
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=129.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.4km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=148.0.
IASPE Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=101.9. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ROM VII 18 18 59 18.6–.58 44.73N–.04 11.02E–.02 29–2 2.2L
¶605598245
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 22 21 29 31.0–.78 44.92N–.02 10.88E–.02 15–4 143 0-6
ROM VII 22 21 29 29.3–.14 44.889N–.01 10.885E–.01 10–0 2.7L **¶601457919**
ISCJB VII 22 21 29 31.4–.28 44.88N–.02 10.78E–.04 17–4 2.7L
CSEM VII 22 21 29 31.2–.30 44.94N 10.72E 2 2.7L
LDG VII 22 21 29 31.4–.41 44.88N 10.93E 2 2.8L
STR VII 22 21 29 40.7–1.5 45N–8.0 10E–16 0 3.6,3.6
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
CSEM Event type ke.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
ISC VII 23 23 26 05.2–.86 44.82N–.03 11.25E–.03 13–4 86 0-5
ROM VII 23 23 26 02.4–.20 44.834N–.01 11.38E–.01 8–0 2.6L **¶601462447**
CSEM VII 23 23 26 08.0–.66 44.99N 11.37E 2 2.3L
PRU VII 23 23 26 10.3 45.09N 11.23E 18 2.3L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=7.9km az=11.0.
ISC VII 29 11 23 31.5–.93 44.78N–.03 11.44E–.03 14–4 67 0-5
ROM VII 29 11 23 29.7–.18 44.817N–.01 11.470E–.01 8–0 2.5L **¶601494691**
VIE VII 29 11 23 33.1–.82 44.84N 11.64E 7–4 2.3L,2.1b
CSEM VII 29 11 23 34.1–.96 44.94N 11.60E 2 2.3L,2.1b
PRU VII 29 11 23 38.0 45.01N 11.53E 13 2.3L,2.1b
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=9.1km s-min=4.9km az=112.0. 45 km NNE of Bologna .
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=9.6km az=17.0.
ISC VIII 06 19 23 15.1–.98 44.91N–.03 9.59E–.03 33–8 48 0-9
ROM VIII 06 19 23 13.6–.48 44.95N–.01 9.41E–.06 27–2 2.4L **¶601614421**
GEN VIII 06 19 23 14.9 44.89N 9.43E 36–3 1.9L
VIE VIII 06 19 23 15.0–.44 44.93N 9.97E 8 2.5L,1.9b
LDG VIII 06 19 23 14.8–.05 44.89N 9.70E 25 2.3L,1.9b
ISCJB VIII 06 19 23 15.4–.53 44.89N–.03 9.52E–.03 30–5 2.3L,1.9b
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 85 km SE of Milan .
LDG Event type ke.
ISCJB Event type ke.
ROM VIII 06 23 54 24.5–.26 44.91N–.02 11.00E–.01 11–1 2.0L
¶606361295
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 16 05 42 38.6–.72 44.93N–.02 11.19E–.02 17–3 151 0-6
ROM VIII 16 05 42 36.9–.18 44.892N–.01 11.123E–.01 8–0 2.9L **¶601564033**
IASPE VIII 16 05 42 38.9–.81 44.92N–.02 11.16E–.03 13–5 2.9L
ISCJB VIII 16 05 42 39.3–.20 44.89N–.02 11.13E–.02 18–2 2.9L
STR VIII 16 05 42 40.1–1.2 45N–5.0 11E–13 5 3.8,3.8
LDG VIII 16 05 42 40.9–.24 44.90N 11.23E 20 3.0L,3.8
PRU VIII 16 05 42 42.3–.00 44.81N 11.37E 34 3.0L,3.8
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=110.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=142.5.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=77.0.
ROM VIII 19 02 00 51.4–.15 44.878N–.01 11.070E–.01 7–0 1.7L
¶606361813
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE VIII 27 05 49 38.0–.33 46.82N 10.86E 8–7 1.6L,0.7b
¶604491875
VIE Error ellipse: s-maj=1.1km s-min=1.0km az=150.0. 14 km WSW of Obergurgl .
ISC IX 02 12 08 21.9–.82 44.94N–.02 10.90E–.02 9–5 125 0-6
ROM IX 02 12 08 19.8–.12 44.912N–.00 10.923E–.01 8–0 2.8L **¶601670453**
IASPE IX 02 12 08 22.1–.88 44.93N–.02 10.92E–.03 6–6 2.8L
LDG IX 02 12 08 22.2–.23 44.94N 11.04E 2 3.1L
STR IX 02 12 08 29.1–1.2 45N–6.0 10E–8.0 5 3.5,3.5
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. confirmed.
ISC IX 14 02 47 27.4–.78 44.84N–.02 11.43E–.02 16–4 227 0-9
ROM IX 14 02 47 25.4–.14 44.828N–.01 11.439E–.01 9–0 3.0L **¶601714113**
IASPE IX 14 02 47 27.7–.86 44.83N–.02 11.44E–.03 13–5 3.0L
ISCJB IX 14 02 47 28.0–.25 44.79N–.02 11.34E–.02 24–2 3.0L
LDG IX 14 02 47 28.4–.13 44.83N 11.41E 2 3.0L
BGR IX 14 02 47 29.6–.47 44.85N 11.42E 10 3.2L
PRU IX 14 02 47 33.0–.00 44.92N 11.70E 27 3.2L
STR IX 14 02 47 36.4–1.1 45N–10 11E–16 16–24 3.7,3.7
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke.
LDG Event type ke.
BGR Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC IX 19 02 33 48.1–1.1 44.82N–.04 11.57E–.05 11–8 22 0-3
ROM IX 19 02 33 46.6–.20 44.786N–.01 11.47E–.01 9–0 2.2L **¶606683954**
ISCJB IX 19 02 33 48.0–.65 44.79N–.03 11.62E–.06 7–7 2.2L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
ISC IX 21 05 20 32.1–.84 44.46N–.02 7.00E–.02 10–6 77 0-2
ISCJB IX 21 05 20 31.4–.25 44.46N–.01 6.98E–.02 10–2 **¶602778170**
GEN IX 21 05 20 31.8 44.45N 6.97E 4–2 1.6L
STR IX 21 05 20 31.8–.38 44N–2.0 7E–2.0 5 2.0,2.0
ROM IX 21 05 20 31.6–.22 44.459N–.01 7.02E–.02 10–0 1.8L,2.0
LDG IX 21 05 20 32.1–.07 44.46N 6.98E 2 2.6L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=155.5.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=61.0.
ISC IX 24 07 01 41.8–.78 44.44N–.01 7.27E–.02 16–5 113 0-10
IASPE IX 24 07 01 42.0–.80 44.45N–.02 7.28E–.02 15–5 **¶601738437**
GEN IX 24 07 01 42.7 44.43N 7.26E 12–1 2.4L
ROM IX 24 07 01 42.2–.12 44.41N–.02 7.24E–.02 11–0 2.4L
ISCJB IX 24 07 01 42.8–.22 44.44N–.01 7.30E–.03 16–3 2.4L
LDG IX 24 07 01 42.7–.05 44.44N 7.28E 10 2.7L,2.6
STR IX 24 07 01 43.7–.49 44N–2.0 7E–3.0 5 2.7,2.7
ISC Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ROM IX 26 07 02 50.0–.16 44.450N–.01 7.25E–.03 10–1 0.9L
GEN IX 26 07 02 51.0 44.46N 7.24E 8–2 0.1L **¶605743924**
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 28 00 11 01.8–.79 44.92N–.02 11.25E–.02 11–5 124 0-6
ROM IX 28 00 10 59.7–.15 44.897N–.01 11.304E–.01 7–0 2.7L **¶601751841**
IASPE IX 28 00 11 01.7–.89 44.93N–.02 11.29E–.03 7–6 2.7L
ISCJB IX 28 00 11 01.2–.25 44.95N–.01 11.19E–.03 13–2 2.7L
LDG IX 28 00 11 02.4–.11 44.93N 11.31E 5 2.7L
PRU IX 28 00 11 06.0–.00 45.17N 11.03E 25 2.7L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=107.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=18.0.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=71.0.
ISC X 03 09 20 44.5–.69 44.59N–.01 7.19E–.01 11–4 4.0b 625 0-145
BGR X 03 09 20 39.4–2.1 44.06N 7.28E 10 4.3L **¶601780216**

MOS X 03 09 20 43.2–.90 44.62N 7.35E 17 4.5b
ISCJB X 03 09 20 43.3–.20 44.597N–.01 7.24E–.01 12–1 4.1b
ROM X 03 09 20 43.6–.15 44.584N–.01 7.23E–.01 10–1 3.8L
IDC X 03 09 20 44.5–.75 44.58N 7.42E 0 4.5L,4.1
NEIC X 03 09 20 44.7–.21 44.59N 7.32E 10 4.5b,4.2L
ZUR X 03 09 20 44.1 44.58N 7.35E 5–2 4.0,4.2L
GEN X 03 09 20 44.2 44.57N 7.21E 8–1 3.9L,4.2L
PRU X 03 09 20 44.3–.00 44.57N 7.38E 0 4.5,4.2L
LDG X 03 09 20 44.2–.04 44.58N 7.22E 10 4.5L,3.9
BNS X 03 09 20 44.6–.35 44.53N 7.36E 10 4.0L,3.9
BGS X 03 09 20 45.0–1.9 44.59N 7.24E 5 4.6L,4.6L
ISC Event type fe.
BGR Event type ke. Error ellipse: s-maj=48.9km s-min=22.2km az=169.0.
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=76.6.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=148.4.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=18.0km s-min=13.3km az=126.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.8km az=174.0. Felt [IV] at Cavour, Dronero, Fossano, None, Saluzzo and Torre Pellice; [III] at Cuneo, Pinerolo and Turin. Felt widely in Piemonte. Felt [III] at Nice, France. Also felt at Menton, Mougins, Toulon and Valbonne.
ZUR Event type ke. Error ellipse: s-maj=5.5km s-min=1.1km az=197.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=60.0.
BNS Event type ke.
BGS Error ellipse: s-maj=343.2km s-min=350.4km az=-1.0.
ISC X 03 14 41 29.1–.78 44.81N–.02 9.77E–.02 23–6 4.2b 669 0-145
BJI X 03 14 41 23.0 44.45N 9.50E 10 5.2b,4.7b **¶601780659**
BGR X 03 14 41 26.5–.95 44.61N 9.78E 10 4.7L,4.7b
IDC X 03 14 41 26.2–.67 44.76N 9.76E 0 4.2L,4.1
LDG X 03 14 41 28.6–.07 44.84N 9.79E 20 4.4L,3.9
BNS X 03 14 41 28.9–.65 44.82N 9.84E 10 4.0L,3.9
PDG X 03 14 41 28.9–1.2 44.86N 9.78E 24–1 4.6L,3.9
GEN X 03 14 41 28.9 44.84N 9.74E 20–5 4.5L,3.9
NEIC X 03 14 41 29.4–.65 44.82N 9.81E 22–6 4.5L,4.5b
ROM X 03 14 41 29.4–.08 44.783N–.01 9.670E–.01 24–1 4.5L,4.5b
VIE X 03 14 41 30.4–1.1 44.80N 9.90E 19–13 4.4L,4.3s
PRU X 03 14 41 31.8–.00 45.02N 10.04E 3 4.5,4.3s
ISC Event type fe.
BGR Event type ke. Error ellipse: s-maj=15.6km s-min=13.3km az=169.0.
IDC Error ellipse: s-maj=15.1km s-min=9.8km az=120.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=30.0.
BNS Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=189.0. Felt [V] at Carpaneto Piacentino; [IV] at Fiorenzuola d'Arda, Noceto and Salsomaggiore Terme; [III] at Bergamo, Bologna, Cremona, Genoa, La Spezia, Mantova, Massa, Modena, Padova, Piacenza, Reggio nell'Emilia and Verona; [II] at Brescia, Florence, Milan, Parma, Pisa and Turin. Felt in much of northern Italy.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=9.1km s-min=4.9km az=37.0. 88 km ENE of Genova .
ISC X 03 17 17 59.5–.97 44.85N–.01 9.75E–.01 16–8 227 0-7
BGR X 03 17 17 58.6–1.6 44.70N 9.67E 10 3.5L **¶601780665**
ISCJB X 03 17 18 00.9–.23 44.81N–.01 9.69E–.02 27–2 3.5L
ROM X 03 17 18 00.8–.08 44.790N–.01 9.670E–.01 26–0 3.2L
LDG X 03 17 18 01.9 44.79N 9.94E 30 3.2L
GEN X 03 17 18 01.0 44.81N 9.65E 24–4 3.2L
PRU X 03 17 18 02.4–.00 45.01N 9.99E 0 3.2L
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=25.6km s-min=18.9km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=163.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
ROM X 04 23 35 33.4–.27 44.62N–.01 7.27E–.03 12–2 1.5
¶606391978
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 05 19 10 41.5–.84 44.64N–.01 7.25E–.01 18–3 242 0-32
IDC X 05 19 10 40.8–1.4 44.72N 7.29E 0 3.9L,3.6 **¶601792470**
GEN X 05 19 10 41.9 44.62N 7.25E 11–1 3.1L,3.6
ISCJB X 05 19 10 41.8–.18 44.63N–.01 7.28E–.02 18–2 3.2b,3.6
ROM X 05 19 10 41.2–.11 44.610N–.01 7.22E–.01 17–1 3.1L,3.6
LDG X 05 19 10 41.6–.06 44.62N 7.25E 10 3.7,3.5L
STR X 05 19 10 43.1–.23 45N–1.0 7E–2.0 10 3.6,3.6
PRU X 05 19 10 43.9–.00 44.95N 7.22E 0 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=14.6km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=159.2.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=66.0.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC X 05 21 35 44.6–.83 44.63N–.02 7.27E–.02 14–5 93 0-3
ISCJB X 05 21 35 44.4–.27 44.62N–.01 7.24E–.02 13–2 **¶602778302**
ROM X 05 21 35 44.5–.10 44.617N–.01 7.24E–.03 11 1.7L
GEN X 05 21 35 44.9 44.62N 7.24E 13–1 1.5L
LDG X 05 21 35 44.9–.09 44.63N 7.25E 13 2.5,2.4L
STR X 05 21 35 46.2–.36 45N–2.0 7E–2.0 5 2.2,2.2
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ROM X 06 05 37 30.9–.15 44.624N–.01 7.26E–.02 11–1 0.7L
¶606392069
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 06 07 23 30.9–.87 44.63N–.02 7.28E–.02 13–6 69 0-1
ISCJB X 06 07 23 30.5–.31 44.61N–.02 7.24E–.03 13–3 **¶602778331**
LDG X 06 07 23 30.9–.09 44.62N 7.27E 12 2.5,2.2L
ROM X 06 07 23 30.7–.12 44.604N–.01 7.23E–.02 14–2 1.6L,2.2L
STR X 06 07 23 30.3–.85 45N–3.0 7E–4.0 0 1.6,2.2L
GEN X 06 07 23 30.9 44.62N 7.25E 12–1 1.3L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=157.1.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=65.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup-2.11. preliminary.
ISC X 16 05 00 26.4–1.2 44.25N–.02 11.61E–.02 50–5 108 0-5
STR X 16 05 00 19.1–5.2 44N–22 12E–41 5 4.3b,4.0 **¶601835772**
ISCJB X 16 05 00 26.0–.28 44.27N–.02 11.59E–.03 55–3 4.3b,4.0
ROM X 16 05 00 26.6–.13 44.230N–.01 11.58E–.01 44–1 2.6L,4.0
LDG X 16 05 00 27.8 44.23N 11.64E 30 2.6L,4.0
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=1.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
ISC XI 05 04 03 16.0–.83 44.50N–.02 7.27E–.02 9–5 90 0-4
ISCJB XI 05 04 03 15.7–.28 44.49N–.02 7.23E–.02 12–2 **¶601871359**
ROM XI 05 04 03 15.5–.07 44.488N–.01 7.25E–.01 9–0 2.4L
IASPE XI 05 04 03 16.1–1.0 44.50N–.02 7.27E–.02 7–6 2.4L
GEN XI 05 04 03 16.2 44.48N 7.25E 6–1 2.2L
LDG XI 05 04 03 16.7–.11 44.48N 7.28E 6 2.6,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=143.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
IASPE Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=62.0. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=57.0.
ISC XI 16 02 37 13.1–.76 45.84N–.01 10.92E–.01 17–5 392 0-10
ISCJB XI 16 02 37 11.6–.17 45.87N–.01 10.90E–.01 10–1 **¶606411720**
ZUR XI 16 02 37 12.5 45.85N 10.92E 13–1 3.1
ROM XI 16 02 37 12.3–.15 45.852N–.01 10.915E–.01 9–1 3.0L
LDG XI 16 02 37 13.1–.11 45.84N 10.92E 2 2.9L
BGR XI 16 02 37 15.3–.37 45.95N 10.95E 10 3.1L
PRU XI 16 02 37 16.1–.00 46.01N 11.03E 10 3.1L
STR XI 16 02 37 17.6–.71 46N–3.0 11E–6.0 27 4.2b,3.7
ISC Event type ke.
ISCJB Event type ke.
ZUR Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
BGR Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC XI 20 10 32 14.0–.86 44.98N–.01 8.26E–.02 25–6 241 0-8
STR XI 20 10 32 11.4–.35 45N–2.0 8E–3.0 0 3.8,3.8 **¶601993177**
ROM XI 20 10 32 13.4–.08 44.977N–.01 8.210E–.01 27–1 3.3L,3.8
ISCJB XI 20 10 32 13.8–.23 45.00N–.01 8.23E–.02 27–2 3.3L,3.8
GEN XI 20 10 32 14.1 45.00N 8.29E 20–2 3.3L,3.8
LDG XI 20 10 32 14.4–.07 44.98N 8.25E 20 3.6L,3.5
PRU XI 20 10 32 14.8–.00 45.14N 8.09E 21 3.6L,3.5
ISC Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup. preliminary.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=139.8.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=90.0.
ISC XI 26 19 18 56.1–.70 44.10N–.02 10.65E–.02 16–4 3.4b 248 0-85
BGR XI 26 19 18 53.8–.59 43.85N 10.58E 10 3.6L **¶601994636**
IDC XI 26 19 18 54.8–1.2 44.27N 10.52E 0 3.7,3.6L
PRU XI 26 19 18 55.1–.00 44.12N 10.81E 5 3.7,3.6L
IASPE XI 26 19 18 55.8–.88 44.12N–.03 10.68E–.02 18–3 3.4b,3.6L
ROM XI 26 19 18 55.5–.07 44.118N–.01 10.674E–.01 22–0 3.2L,3.6L
ISCJB XI 26 19 18 55.5–.20 44.12N–.02 10.66E–.02 24–2 3.4b,3.1s
GEN XI 26 19 18 55.6 44.15N 10.70E 19–2 3.3L,3.1s
LDG XI 26 19 18 56.7–.14 44.08N 10.73E 10 3.5L,3.1s
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=13.3km s-min=8.9km az=105.0.
IDC Error ellipse: s-maj=40.2km s-min=14.5km az=118.0.
IASPE Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=26.7. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=177.4.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=145.0.
ISC XI 30 00 02 39.5–.81 44.00N–.02 11.71E–.02 13–6 159 0-48
IDC XI 30 00 02 38.6–1.3 44.08N 11.89E 0 3.5,3.5b **¶601995326**
BGR XI 30 00 02 39.5–1.0 43.99N 11.95E 10 3.4L,3.5b
ROM XI 30 00 02 39.0–.14 44.007N–.01 11.721E–.01 8–1 3.1L,3.5b
ISCJB XI 30 00 02 39.2–.31 44.03N–.01 11.73E–.02 14–2 3.5b,3.5b
LDG XI 30 00 02 40.5–.12 44.02N 11.74E 7 3.3L,3.5b
PRU XI 30 00 02 40.4–.00 44.11N 11.98E 0 3.3L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=14.0km az=102.0.
BGR Event type ke. Error ellipse: s-maj=31.1km s-min=21.1km az=113.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=161.9.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=57.0.
ISC XI 30 00 35 07.1–.85 44.02N–.02 11.70E–.02 12–6 126 0-65
IDC XI 30 00 35 05.0–1.4 43.98N 12.15E 0 3.6,3.5b **¶601995328**
ROM XI 30 00 35 06.8–.13 44.014N–.01 11.729E–.01 8–0 3.1L,3.5b
ISCJB XI 30 00 35 07.3–.21 44.00N–.02 11.72E–.02 21–2 3.5b,3.5b
PRU XI 30 00 35 07.2–.00 44.03N 12.10E 0 3.5b,3.5b
LDG XI 30 00 35 09.1–.19 43.94N 11.73E 7 3.0L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=14.1km az=104.0.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=17.1.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=43.0.
ISC XI 30 01 10 07.0–.86 44.05N–.02 11.78E–.02 12–6 119 0-32
IDC XI 30 01 10 05.7–1.5 44.04N 12.30E 0 3.4b,3.4 **¶601995331**
ISCJB XI 30 01 10 07.2–.29 44.03N–.01 11.75E–.02 12–2 3.3b,2.5s
ROM XI 30 01 10 07.1–.15 44.011N–.01 11.73E–.01 8–1 3.0L,2.5s
PRU XI 30 01 10 09.0–.00 44.14N 12.04E 0 3.0L,2.5s
LDG XI 30 01 10 09.0–.23 43.92N 11.85E 7 3.2L,2.5s
ISC Event type ke.
IDC Error ellipse: s-maj=44.5km s-min=14.0km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=170.3.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=61.0.
ISC XI 30 02 46 55.8–.94 44.01N–.02 11.74E–.03 13–7 46 0-4
ISCJB XI 30 02 46 55.7–.34 44.01N–.02 11.73E–.05 12–3 **¶607167756**
ROM XI 30 02 46 55.4–.15 44.012N–.01 11.72E–.01 8–1 2.1
ISC Event type ke.
ISCJB Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 10 17 21 07.4–1.1 44.73N–.06 9.37E–.03 23–8 29 0-4
ISCJB XII 10 17 21 06.7–.84 44.79N–.08 9.32E–.05 27–6 **¶605744452**
LDG XII 10 17 21 07.3–.09 44.79N 9.36E 13 2.6L
GEN XII 10 17 21 07.3 44.82N 9.37E 13–1 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.3km az=12.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=27.0.
ISC XII 10 18 28 08.6–.91 44.82N–.02 9.43E–.02 18–4 63 0-5
ISCJB XII 10 18 28 09.5–.35 44.79N–.03 9.37E–.03 20–4 **¶602778877**
ROM XII 10 18 28 09.4–.15 44.777N–.01 9.392E–.01 16–1 2.1L
GEN XII 10 18 28 09.2 44.82N 9.39E 15–2 2.1L
VIE XII 10 18 28 10.5–.68 44.97N 9.57E 8 2.2b,2.2L
LDG XII 10 18 28 10.7–.11 44.74N 9.44E 10 2.5L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=160.8.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=5.3km s-min=4.0km az=149.0. 62 km SSE of Milan .
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=50.0.
ISC XII 10 23 01 41.2–.86 44.36N–.01 7.23E–.02 19–2 122 0-7
ISCJB XII 10 23 01 41.8–.20 44.36N–.01 7.26E–.02 18–3 **¶602034583**
LDG XII 10 23 01 41.8–.05 44.35N 7.23E 12 2.7,2.5L
ROM XII 10 23 01 41.4–.12 44.362N–.01 7.25E–.01 15–1 2.1L,2.5L
GEN XII 10 23 01 42.0 44.35N 7.23E 12–1 2.0L,2.5L
STR XII 10 23 01 43.5–.47 44N–2.0 7E–3.0 6–3 2.7,2.7
ISC Event type ke.
ISCJB Event type ke.
LDG Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC XII 15 22 00 25.1–.90 44.49N–.02 7.28E–.02 18–3 91 0-2
ISCJB XII 15 22 00 25.6–.24 44.49N–.01 7.30E–.02 19–3 **¶602043772**
IASPE XII 15 22 00 25.1–.86 44.49N–.02 7.28E–.02 18–2
ROM XII 15 22 00 25.2–.14 44.465N–.01 7.26E–.01 17–1 2.1L
GEN XII 15 22 00 25.6 44.47N 7.25E 16–1 2.0L
LDG XII 15 22 00 25.6–.07 44.49N 7.29E 10 2.8L,2.5
STR XII 15 22 00 26.1–.51 44N–2.0 7E–3.0 12–4 2.5,2.5
ISC Event type ke.
ISCJB Event type ke.
IASPE Event type ke. GT5 selection from ISC bulletin. GT5 identified by Bondˆ¡r and McLaughlin (2009) selection criteria. Bondˆ¡r and McLaughlin, A new ground truth data set for seismic studies, Seism. Res. Let., 80, 465-472, 2009.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC XII 17 16 33 16.0–.92 44.12N–.02 8.58E–.02 13–6 106 0-5
ROM XII 17 16 33 15.6–.17 44.147N–.01 8.579E–.01 6–0 2.6L **¶602046725**
LDG XII 17 16 33 16.5–.11 44.09N 8.62E 9 2.7L,2.6
GEN XII 17 16 33 16.6 44.17N 8.57E 9–2 2.4L,2.6
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=163.0.
ISC XII 22 21 23 57.1–.76 44.03N–.02 7.78E–.02 14–4 138 0-5
ROM XII 22 21 23 56.9–.10 44.02N–.01 7.766E–.01 8–1 2.4L **¶602056593**
ISCJB XII 22 21 23 57.6–.25 44.05N–.02 7.74E–.02 7–2 2.4L
STR XII 22 21 23 57.3–.51 44N–2.0 8E–3.0 5 2.8,2.8
LDG XII 22 21 23 57.4–.06 44.04N 7.76E 10 2.9,2.8L
GEN XII 22 21 23 57.5 44.02N 7.76E 2–0 2.2L,2.8L
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=153.8.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=10.0.
ISC XII 25 06 03 39.6–.92 44.64N–.02 9.92E–.03 24–7 70 0-6
ISCJB XII 25 06 03 40.1–.31 44.58N–.02 9.93E–.03 33–3 **¶602058097**
GEN XII 25 06 03 40.9 44.65N 10.06E 22–4 2.1L
ROM XII 25 06 03 40.3–.10 44.635N–.01 10.08E–.01 25–1 2.1L
LDG XII 25 06 03 40.6–.08 44.63N 10.07E 21–0 2.2L
VIE XII 25 06 03 42.4–1.1 44.64N 10.24E 18 2.5L,2.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=151.5.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=49.0.
VIE Error ellipse: s-maj=10.4km s-min=9.4km az=166.0. 88 km W of Bologna .

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ISC VII 03 09 44 58.1–.77 47.32N–.02 11.63E–.02 15–4 101 0-4
CSEM VII 03 09 44 57.5–.13 47.35N 11.64E 10 2.8L **¶601235876**
VIE VII 03 09 44 57.5–.18 47.27N 11.62E 14–1 2.8L,1.9b
BGR VII 03 09 44 58.5–.28 47.34N 11.64E 10 2.5L,1.9b
ROM VII 03 09 44 58.9–.62 47.23N–.03 11.58E–.03 10 2.3L,1.9b
PRU VII 03 09 44 59.3 47.35N 11.68E 0 2.3L,1.9b
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=165.0.
VIE Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=161.0. 8 km E of Hall in Tirol . felt 4 ems98 at Wattens / Tyrol.
BGR Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=167.0. Felt in Innsbruck-Wattens.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 15 12 32 52.8–2.0 46.34N–.04 13.19E–.03 13–13 25 0-1
¶606544369
ISC Event type ke.
ISC VII 24 15 29 12.0–.81 46.32N–.01 13.59E–.01 8–5 178 0-3
ROM VII 24 15 29 11.2–.12 46.328N–.00 13.548E–.01 10–0 2.2L **¶601465936**
ISCJB VII 24 15 29 11.1–.22 46.33N–.01 13.59E–.02 6–3 2.2L
VIE VII 24 15 29 11.5–.21 46.33N 13.61E 5–3 2.2L,1.7b
LJU VII 24 15 29 11.4 46.32N 13.59E 9 2.0L,1.7b
CSEM VII 24 15 29 11.4–.09 46.32N 13.59E 5 2.7L,1.7b
PRU VII 24 15 29 14.8 46.43N 13.63E 0 2.7L,1.7b
ISC Event type ke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=26.2.
VIE Error ellipse: s-maj=1.8km s-min=1.1km az=82.0. 5 km ESE of Bovec .
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=24.0.
ISC VIII 10 16 58 00.4–1.1 47.25N–.02 14.49E–.02 3–11 118 1-4
VIE VIII 10 16 57 59.7–.15 47.24N 14.47E 5–3 2.9L,2.4b **¶601541975**
PRU VIII 10 16 58 00.3–.00 47.26N 14.45E 4 2.9L,2.4b
BGR VIII 10 16 58 00.9–.25 47.28N 14.50E 5 2.9L,2.4b
ROM VIII 10 16 58 03.8–.51 47.11N–.03 14.35E–.04 10 2.6L,2.4b
ISC Event type fe.
VIE Event type fe. 5 km NNE of Unzmarkt . felt 4 ems98 near Unzmarkt / Styria.
VIE Event type fe. Felt in Unzmarkt, some people awoke.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE VIII 15 17 51 40.1–.20 47.33N 11.37E 4 0.6L
¶604491828
VIE Error ellipse: s-maj=2.2km s-min=1.2km az=8.0. 7 km NNW of Innsbruck .
ISC VIII 28 10 32 34.8–.90 47.20N–.02 10.80E–.01 18–3 92 0-5
ISCJB VIII 28 10 32 34.9–.26 47.26N–.02 10.82E–.02 12–2 **¶601628509**
LDG VIII 28 10 32 34.9–.15 47.24N 10.78E 10 2.4L
VIE VIII 28 10 32 35.2–.24 47.20N 10.84E 12–3 2.6L,1.6b
ROM VIII 28 10 32 35.8–.21 47.19N–.01 10.83E–.01 10 2.1L,1.6b
PRU VIII 28 10 32 36.9–.00 47.23N 10.85E 0 2.1L,1.6b
BGR VIII 28 10 32 37.0–.30 47.25N 10.81E 10 2.4L,1.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.1km az=0.9.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=22.0.
VIE Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=162.0. 9 km SE of Imst . felt 3-4 ems98 at Oetz / Tyrol.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=2.2km az=167.0. Felt between Imst and Umhausen (weak shaking).
ISC IX 04 21 55 00.7–.95 47.38N–.02 11.88E–.02 7–8 86 0-4
ISCJB IX 04 21 54 59.2–.29 47.38N–.01 11.91E–.02 5–2 **¶601685383**
VIE IX 04 21 55 00.2–.24 47.32N 11.87E 12–1 2.3L,1.6b
BGR IX 04 21 55 01.0–.23 47.33N 11.89E 10 2.6L,1.6b
PRU IX 04 21 55 01.5–.00 47.35N 11.91E 0 2.6L,1.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=31.6.
VIE Error ellipse: s-maj=1.8km s-min=1.1km az=22.0. 2 km N of Ried im Zillertal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=2.0.
ISC XI 09 16 29 42.3–.82 47.21N–.02 11.39E–.01 10–5 97 0-6
ISCJB XI 09 16 29 40.6–.27 47.26N–.02 11.38E–.02 0–3 **¶601882848**
ROM XI 09 16 29 41.8–.12 47.184N–.01 11.428E–.01 9–0 2.1L
VIE XI 09 16 29 41.2–.17 47.21N 11.38E 9–2 2.7L,2.0b
LDG XI 09 16 29 42.1–.25 47.14N 11.45E 2 2.5L,2.0b
BGR XI 09 16 29 42.4–.43 47.21N 11.39E 5 2.5L,2.0b
PRU XI 09 16 29 44.5–.00 47.25N 11.53E 5 2.5L,2.0b
STR XI 09 16 29 46.1–.80 47N–10 11E–6.0 0 3.3,3.3
ISC Event type fe.
ISCJB Event type fe.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Event type fe. 6 km S of Innsbruck . felt 4-5 ems98 at Mutters / Tyrol.
LDG Event type ke.
VIE Event type fe. Many people felt strong vibrations in buidings.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup. preliminary.
ISC XI 15 03 17 33.3–.90 47.76N–.02 16.24E–.02 15–7 60 0-4
PRU XI 15 03 17 33.9–.00 47.80N 16.19E 9 **¶601991994**
IPEC XI 15 03 17 33.2–.09 47.75N 16.24E 18–1 2.1L
VIE XI 15 03 17 33.2–.18 47.72N 16.23E 14 2.5L,1.9b
ISC Event type fe.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=123.0.
VIE Event type fe. Error ellipse: s-maj=2.1km s-min=1.3km az=130.0. 11 km S of Wiener Neustadt . felt 4 ems98 near Pitten / Lower Austria felt 4 ems98 near Pitten / Lower Austria.
VIE XI 28 16 24 13.7–.32 47.59N 15.47E 8 0.9L
¶604497265
VIE Error ellipse: s-maj=2.8km s-min=2.1km az=35.0. 9 km WNW of Krieglach .
ISC XII 06 19 21 59.9–.80 47.19N–.01 11.08E–.01 12–5 336 0-7
ROM XII 06 19 21 59.8–.36 47.15N–.02 11.11E–.01 8–2 2.8L **¶602005569**
ZUR XII 06 19 21 59.9 47.16N 11.13E 21–2 3.0
LDG XII 06 19 21 59.8–.11 47.26N 11.19E 2 3.1L
VIE XII 06 19 21 59.5–.15 47.18N 11.09E 8–2 3.2L,2.6b
BGR XII 06 19 22 00.9–.43 47.21N 11.04E 10 3.1L,2.6b
PRU XII 06 19 22 01.0–.00 47.31N 11.11E 2 3.1L,2.6b
STR XII 06 19 22 06.1–1.3 47N–5.0 11E–5.0 24–8 3.8,3.7
ISC Event type fe.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke.
LDG Event type ke.
VIE Event type fe. 6 km WSW of Gries im Sellrain . felt 5 ems98 in Stubaier Alpen / Tyrol felt 5 ems98 in Stubaier Alpen / Tyrol.
VIE Event type fe. Objects toppled down.
PRU Umhausen.
STR manual. smi:scs/0.6/LOCSAT. earthModelID smi:scs/0.6/haslach_taup-2.11. preliminary.
ISC XII 25 13 10 46.7–.89 46.54N–.02 13.93E–.01 19–2 128 0-5
VIE XII 25 13 10 46.8–.12 46.57N 13.94E 12 2.7L,2.0b **¶602058390**
LJU XII 25 13 10 46.7 46.57N 13.95E 15 2.3L,2.0b
ROM XII 25 13 10 47.6–.24 46.54N–.02 13.92E–.02 10 2.5L,2.0b
PRU XII 25 13 10 48.8–.00 46.60N 13.97E 0 2.5L,2.0b
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=1.4km s-min=0.8km az=0.0. 8 km SSE of Maria Landskron . felt 4 ems98 near Faaker See / Carinthia.
ROM manual. hypocenter. smi:webservices.rm.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.rm.ingv.it/fdsnws/event/1/query?earthModelId=1.

(547) Czech and Slovak Republics.

ISC VIII 02 06 15 39.9–1.6 48.37N–.09 17.20E–.06 8–8 13 0-1
¶606722485
ISC Event type ke.
ISC VIII 22 09 53 33.4–1.4 49.01N–.05 18.35E–.04 11–11 11 0-1
¶606722565
ISC Event type ke.
ISC IX 13 19 44 41.3–.91 49.82N–.04 18.57E–.03 0 25 0-3
¶606760232
ISC Event type sr.
PRU X 02 11 37 51.0–.00 49.68N 17.77E 0 4.7
¶606635635
ISC X 09 08 38 28.8–1.2 49.16N–.05 18.89E–.03 12–13 13 0-2
¶606965089
ISC Event type ke.
ISC XI 05 09 35 01.8–1.0 49.12N–.04 18.88E–.04 0 11 0-2
¶607280778
ISC Event type ke.
ISC XI 09 10 05 35.1–1.3 48.39N–.05 17.25E–.05 4–8 10 0-1
¶607280772
ISC Event type ke.
ISC XI 13 11 01 10.1–2.2 48.2N–.10 17.04E–.08 3–11 11 0-1
¶607280683
ISC Event type ke.
ISC XI 14 07 19 35.4–1.1 48.37N–.07 17.28E–.06 9–6 11 0-1
¶607280742
ISC Event type ke.
ISC XI 20 11 04 23.6–1.2 49.7N–.10 17.76E–.07 8–17 10 0-1
¶607280709
ISC Event type ke.
ISC XI 23 09 32 13.4–1.2 49.02N–.05 18.35E–.05 0 9 0-2
¶607280688
ISC Event type ke.
ISC XI 26 12 18 24.2–1.2 48.66N–.07 18.43E–.04 6–14 11 0-1
¶607280692
ISC Event type ke.
ISC XI 29 09 01 36.5–1.6 48.97N–.06 18.31E–.04 0–24 10 0-1
¶607280695
ISC Event type ke.
ISC XI 29 10 54 48.1–1.1 49.49N–.04 17.57E–.05 0 9 0-1
¶607280777
ISC Event type ke.
ISC XII 07 22 36 59.8–1.9 49.8N–.10 18.46E–.06 0 11 1-2
¶607290777
ISC Event type ke.
ISC XII 12 08 50 32.1–1.4 48.99N–.04 18.34E–.05 0 8 0-1
¶607290775
ISC Event type ke.

(548) Poland.

ISC VII 18 11 10 33.0–1.9 50.41N–.09 18.89E–.03 6–9 20 0-2
WAR VII 18 11 10 33.9 50.36N 18.92E 1 2.5W **¶603767871**
ISC Event type ke.
ISC VIII 01 15 14 20.5–1.8 51.46N–.08 16.07E–.05 0 25 1-3
¶606722523
ISC Event type sr.
ISC VIII 06 19 17 27.4–1.5 51.50N–.07 16.05E–.04 0 28 1-3
¶606722524
ISC Event type sr.
ISC IX 04 03 04 09.4–1.0 50.18N–.04 19.05E–.03 0 14 0-2
¶606760238
ISC Event type sr.
ISC IX 08 03 07 45.0–1.9 51.48N–.09 15.98E–.05 0 25 1-3
¶606760207
ISC Event type sr.
PRU X 01 20 30 27.4–.00 50.51N 16.09E 0
¶606635605
PRU Event type ke. Tectonic Event E Of Upice.
ISC X 02 14 21 48.9–1.9 51.53N–.09 16.18E–.05 0 24 1-3
¶606965046
ISC Event type sr.
ISC X 04 04 50 41.7–1.4 50.22N–.08 19.24E–.05 0 10 0-2
¶606965093
ISC Event type sr.
ISC X 07 17 26 35.7–2.0 51.64N–.10 16.04E–.05 0 21 1-3
¶606965051
ISC Event type sr.
ISC X 18 01 40 38.9–1.1 50.09N–.06 19.24E–.05 0 10 0-2
¶606965092
ISC Event type sr.
ISC X 23 12 57 44.4–1.3 50.11N–.06 19.25E–.04 0 10 0-2
¶606965087
ISC Event type sr.
ISC X 23 16 25 22.9–1.6 51.46N–.07 16.12E–.04 0 31 1-3
¶606965052
ISC Event type sr.
ISC XI 14 14 30 49.7–1.2 50.10N–.06 19.21E–.05 0 10 0-2
¶607280782

ISC Event type sr.
ISC XII 01 00 24 15.4–1.9 51.51N–.09 16.16E–.05 0 26 1-3 ¶607290796

ISC Event type sr.
ISC XII 02 00 05 31.4–1.8 51.60N–.09 16.02E–.05 0 27 1-3 ¶607290782

ISC Event type sr.
ISC XII 04 13 09 30.7–1.0 49.31N–.04 19.89E–.04 0 12 0-2 ¶607290751

ISC Event type sr.
ISC XII 05 04 12 05.1–.98 51.50N–.05 16.20E–.04 0 17 1-4 ¶607290797

ISC Event type sr.
ISC XII 09 23 47 09.8–1.9 51.39N–.09 16.17E–.05 0 20 1-3 ¶607290811

ISC Event type sr.

SEISMIC REGION 37. Africa.

(553) Egypt.

ISC X 08 19 14 38.7–1.0 29.24N–.02 34.87E–.06 16–7 63 0-6
ISCJB X 08 19 14 38.8–.43 29.23N–.02 34.91E–.06 24–3 **¶601804036**
JSO X 08 19 14 38.9–1.5 29N–8.0 35E–8.0 18–7 4.5L,3.7
GII X 08 19 14 38.5–.00 29.26N 35.06E 8–1 4.1b,3.9
SGS X 08 19 14 39.2 29.24N 34.91E 19 4.1b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.0km az=174.6.
GII Event type ke.
ISC X 15 00 07 19.4–1.2 28.81N–.03 34.77E–.06 11–10 32 0-4
ISCJB X 15 00 07 18.5–.74 28.81N–.02 34.72E–.06 4–5 **¶604738309**
GII X 15 00 07 18.5–.00 28.83N 34.77E 1–0 3.2
SGS X 15 00 07 20.1 28.80N 34.80E 7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.7km az=170.5.
GII Event type ke.

(554) Red Sea.

HLW VII 14 10 27 59.0 23.10N 37.31E 10–16 3.5L,3.4 ¶604039497

ISC VII 18 23 58 16.5–4.6 15.6N–.30 42.0E–.10 10 12 4-4
ARO VII 18 23 58 16.4 16N–30 42E–100 15–99 3.7L **¶604723521**
ISC Event type ke.
IDC VIII 28 13 44 12.6–999 27.62N 34.48E 0 ¶601755518

IDC Error ellipse: s-maj=1218.0km s-min=226.4km az=125.0.
ISC IX 02 07 17 47.6–.50 17.25N–.05 40.56E–.05 10 4.3b,3.9s 159 2-122
ISCJB IX 02 07 17 45.5–.37 17.20N–.05 40.50E–.04 10 4.3b,3.7s **¶605128416**
IDC IX 02 07 17 45.7–.97 17.18N 40.45E 0 4.1,4.1L
SGS IX 02 07 17 46.0 17.23N 40.36E 40 4.1,4.1L
MOS IX 02 07 17 47.1–1.1 17.34N 40.48E 14 4.5b,4.1L
NEIC IX 02 07 17 47.5–.43 17.23N 40.48E 10 4.5b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=19.7.
IDC Error ellipse: s-maj=21.4km s-min=17.1km az=179.0.
MOS Error ellipse: s-maj=11.0km s-min=6.1km az=79.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.5km az=208.0.
ISC IX 09 10 02 10.1–.83 23.81N–.08 36.52E–.07 10 4.2b 63 2-135
IDC IX 09 10 02 06.1–1.2 23.43N 36.29E 0 4.0,3.9 **¶601703031**
ISCJB IX 09 10 02 08.9–.56 23.86N–.05 36.49E–.04 10 4.2b,3.9
NEIC IX 09 10 02 08.3–.55 23.42N 36.34E 10 4.3b,3.9
SGS IX 09 10 02 09.9 23.77N 36.48E 14 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=15.6km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=175.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.2km az=183.0.
ISC IX 14 20 28 50.3–2.3 27.39N–.08 34.8E–.10 16–14 34 1-6
SGS IX 14 20 28 52.9 27.53N 34.64E 6 **¶604737959**
GII IX 14 20 28 53.1–.00 27.64N 34.74E 11–2 3.7
ISC Event type ke.
GII Event type ke.
IDC IX 18 10 26 21.9–11 22.16N 37.81E 87–108 3.7,3.5L ¶601863755

IDC Error ellipse: s-maj=53.2km s-min=24.8km az=160.0.
IDC X 12 20 46 20.1–2.8 18.49N 39.85E 0 3.5,3.5 ¶601998048

IDC Error ellipse: s-maj=70.1km s-min=32.8km az=151.0.
ISC XI 11 00 28 32.2–1.6 19.0N–.20 39.3E–.20 10 3.4b 9 2-56
SGS XI 11 00 28 02.0 18.25N 36.94E 10 3.4b **¶602389185**
ISCJB XI 11 00 28 30.2–1.4 18.8N–.20 39.2E–.10 10 3.5b,3.4s
IDC XI 11 00 28 30.3–1.8 18.78N 39.17E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.2km s-min=18.6km az=165.5.
IDC Error ellipse: s-maj=44.9km s-min=26.8km az=172.0.
ISC XI 11 00 29 00.3–2.0 19.0N–.30 39.2E–.20 13 3.8b 8 21-61
ISCJB XI 11 00 28 58.5–1.8 19.0N–.30 39.2E–.20 13 3.8b **¶602389188**
IDC XI 11 00 28 58.4–2.1 19.02N 39.21E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.3km s-min=21.6km az=163.0.
IDC Error ellipse: s-maj=50.8km s-min=24.6km az=161.0.
ISC XI 13 10 48 30.2–1.0 26.77N–.06 35.07E–.07 12 3.5b,3.2s 43 1-59
ISCJB XI 13 10 48 29.4–.89 26.81N–.06 35.04E–.07 12 3.5b,3.2s **¶602389338**
IDC XI 13 10 48 29.3–1.9 26.69N 34.94E 0 3.7,3.6
SGS XI 13 10 48 31.6 26.78N 35.03E 32 3.7,3.6
GII XI 13 10 48 32.0–.00 27.02N 34.87E 1–2 2.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.5km az=136.4.
IDC Error ellipse: s-maj=41.9km s-min=27.2km az=142.0.
GII Event type ke.
DHMR XII 04 00 18 32.7–.76 15.11N 42.00E 8–10 3.9L ¶604033693

DHMR Error ellipse: s-maj=9.4km s-min=10.4km az=-1.0.
ISC XII 04 06 09 30.9–3.0 15.1N–.10 42.0E–.10 10 15 2-4
ARO XII 04 06 09 24.9 15N–46 42E–100 15–99 3.2L **¶604033697**
DHMR XII 04 06 09 26.4–1.6 15.05N 41.84E 16–45 3.9L
ISC Event type ke.
DHMR Error ellipse: s-maj=28.9km s-min=33.5km az=-1.0.
ISC XII 04 10 12 26.9–2.9 15.3N–.10 41.9E–.10 10 19 2-7
ARO XII 04 10 12 23.4 15N–42 42E–100 15–99 3.1L **¶604033700**
DHMR XII 04 10 12 24.1–2.0 15.10N 41.87E 9–17 4.3L
ISC Event type ke.
DHMR Error ellipse: s-maj=10.1km s-min=15.3km az=-1.0.
DHMR XII 04 12 15 47.2–1.6 15.13N 41.93E 16–22 3.9L ¶604033703

DHMR Error ellipse: s-maj=17.2km s-min=15.6km az=-1.0.
ISC XII 04 12 53 12.8–2.7 15.4N–.10 41.8E–.10 10 24 2-4
DHMR XII 04 12 53 11.4–2.4 15.25N 41.71E 14–29 3.9L **¶604724439**
ARO XII 04 12 53 13.8 15N–31 42E–100 15–99 3.9L
ISC Event type ke.
DHMR XII 04 13 00 17.8–1.1 15.04N 41.79E 18–999 4.0L ¶604033706

DHMR Error ellipse: s-maj=718.9km s-min=999.9km az=-1.0.
DHMR XII 06 19 22 14.5–.97 15.01N 41.78E 19–999 3.8L ¶604033722

DHMR Error ellipse: s-maj=589.5km s-min=999.9km az=-1.0.
ISC XII 06 19 56 48.5–2.2 15.13N–.07 41.9E–.10 10 19 2-7
ISCJB XII 06 19 56 46.2–1.7 15.15N–.05 41.76E–.10 10 **¶604033723**
DHMR XII 06 19 56 46.8–1.4 15.04N 41.97E 6–13 4.1L
SGS XII 06 19 56 51.7 15.03N 42.00E 15 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.0km az=158.9.

DHMR Error ellipse: s-maj=7.0km s-min=11.7km az=-1.0.
ARO XII 14 17 09 41.4 15N–53 42E–100 15–99 3.7L ¶604724450

ARO XII 14 20 06 06.2 15N–50 42E–100 15–99 3.9L ¶604724449

ARO XII 24 18 08 09.7 16N–48 42E–100 15–99 3.7L ¶604724455

ARO XII 24 19 03 05.5 16N–29 42E–98 15–99 3.8L ¶604724454

(555) Western Arabian Peninsula.

DHMR VII 27 18 54 19.0–.99 14.14N 45.13E 2–999 3.5L ¶604033297

DHMR Error ellipse: s-maj=8.5km s-min=3.9km az=-1.0.
ARO VIII 15 15 01 46.6 15N–33 42E–100 15–99 3.5L ¶604723534

HLW IX 18 12 30 29.5 29.95N 36.75E 10–13 3.9L ¶604039529

DHMR X 07 06 28 48.6–.59 13.78N 43.84E 21–2 3.7L ¶604033599

DHMR Error ellipse: s-maj=1.9km s-min=6.0km az=-1.0.
HLW X 07 11 36 51.7 29.92N 36.67E 10–18 3.7L,3.5 ¶604039546

ISC X 08 09 43 04.8–.93 12.26N–.06 43.60E–.06 10 16 0-3
ISCJB X 08 09 43 06.4–.55 12.18N–.07 43.60E–.07 10 **¶604033601**
DHMR X 08 09 43 08.4–1.8 12.35N 43.70E 11–52 3.4L
ARO X 08 09 43 09.4 12N–2.0 44E–2.0 8–1 3.0L
ISC Event type ke.
ISCJB Event type ke.
HLW X 19 11 46 33.6 29.94N 36.65E 10–14 3.7L ¶604039551

DHMR X 28 13 25 48.3–.52 14.65N 42.03E 3–10 3.6L ¶604033605

DHMR Error ellipse: s-maj=2.2km s-min=10.2km az=-1.0.
DHMR X 29 09 38 18.0–1.9 14.85N 43.21E 2–9 4.3L ¶604033608

DHMR Error ellipse: s-maj=4.3km s-min=8.1km az=-1.0.
ISC XI 04 21 19 03.0–1.9 12.01N–.08 43.91E–.07 8–14 20 1-3
DHMR XI 04 21 19 04.8–1.7 12.08N 43.94E 4–10 3.4L **¶604033664**
ARO XI 04 21 19 06.3 12N–6.0 44E–3.0 11–11 2.9L
ISC Event type ke.
SGS XI 07 18 25 12.7 29.84N 40.17E 25 ¶605128482

ISC XI 15 17 32 48.8–1.8 12.02N–.07 43.90E–.09 7–16 19 1-3
DHMR XI 15 17 32 47.2–2.3 11.99N 43.95E 4–13 3.8L **¶604033671**
ARO XI 15 17 32 50.8 12N–6.0 44E–3.0 10–11 3.2L
ISC Event type ke.
ISC XI 26 07 46 34.9–1.4 14.04N–.04 43.29E–.05 3–13 24 1-3
ARO XI 26 07 46 32.2 14N–14 43E–63 15–99 3.8L **¶604033676**
DHMR XI 26 07 46 36.3–1.9 14.05N 43.23E 18–9 3.9L
ISC Event type ke.
DHMR Error ellipse: s-maj=5.2km s-min=7.8km az=-1.0.
DHMR XII 02 11 42 27.7–2.0 14.84N 42.08E 3–42 3.6L ¶604033682

DHMR Error ellipse: s-maj=9.3km s-min=40.0km az=-1.0.
ISC XII 02 13 50 39.6–.98 15.16N–.05 42.02E–.08 10 3.5b 20 2-62
DHMR XII 02 13 50 32.6–1.8 15.04N 41.86E 2–22 3.7L **¶602390354**
ISCJB XII 02 13 50 36.3–.92 15.16N–.05 41.85E–.07 10 3.5b
IDC XII 02 13 50 38.8–1.3 15.09N 42.27E 0 3.7L,3.6
SGS XII 02 13 50 41.1 15.13N 41.98E 20 3.7L,3.6
ISC Event type ke.
DHMR Error ellipse: s-maj=11.3km s-min=34.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.8km az=154.3.
IDC Error ellipse: s-maj=43.0km s-min=15.7km az=87.0.
DHMR XII 02 22 29 02.0–1.5 14.77N 42.39E 6–21 3.6L ¶604033685

DHMR Error ellipse: s-maj=10.8km s-min=17.1km az=-1.0.
DHMR XII 03 15 36 46.7–2.3 15.00N 42.32E 14–33 3.6L ¶604033686

DHMR Error ellipse: s-maj=18.4km s-min=26.5km az=-1.0.
DHMR XII 03 16 42 44.2–2.9 14.91N 42.22E 5–43 3.6L ¶604033687

DHMR Error ellipse: s-maj=24.8km s-min=35.7km az=-1.0.
DHMR XII 03 17 45 01.3–1.5 14.88N 42.13E 16–22 3.5L ¶604033689

DHMR Error ellipse: s-maj=12.6km s-min=17.6km az=-1.0.
ISC XII 03 17 52 17.9–.57 15.10N–.04 42.17E–.06 10 3.9b,3.2s 63 2-62
ARO XII 03 17 52 07.7 16N–15 42E–75 15–99 3.7L,3.2s **¶602320138**
DHMR XII 03 17 52 13.8–1.7 14.97N 42.24E 2–17 4.3L,3.2s
ISCJB XII 03 17 52 15.7–.34 14.97N–.03 42.12E–.04 10 3.9b,3.2s
IDC XII 03 17 52 16.2–.81 14.92N 42.22E 0 4.0,3.9
SGS XII 03 17 52 17.0 15.15N 42.00E 0 4.0,3.9
NEIC XII 03 17 52 17.3–.41 14.88N 42.23E 10 4.7b,3.9
ISC Event type se.
DHMR Error ellipse: s-maj=12.6km s-min=16.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=150.0.
IDC Error ellipse: s-maj=19.3km s-min=14.9km az=86.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.8km az=199.0.
DHMR XII 03 18 17 43.4–1.7 15.08N 42.37E 15–24 3.6L ¶604033690

DHMR Error ellipse: s-maj=13.4km s-min=19.3km az=-1.0.
ISC XII 03 18 23 41.9–.74 14.87N–.07 42.14E–.07 10 3.8b 18 2-62
ISCJB XII 03 18 23 40.3–.60 14.94N–.06 42.08E–.05 10 3.8b **¶602390403**
IDC XII 03 18 23 40.5–.89 14.88N 42.03E 0 4.0L,3.9
DHMR XII 03 18 23 41.8–1.8 14.83N 42.31E 7–26 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.8km az=36.8.
IDC Error ellipse: s-maj=22.1km s-min=16.3km az=81.0.
DHMR Error ellipse: s-maj=13.7km s-min=21.1km az=-1.0.
ISC XII 03 19 35 20.1–.92 14.96N–.06 42.1E–.10 10 3.8b,3.3s 16 3-78
EAF XII 03 19 35 02.8–5.4 14.24N 46.73E 0–999 3.8b,3.3s **¶602390404**
IDC XII 03 19 35 18.5–1.5 14.91N 42.08E 0 4.1L,3.9
ISC Event type ke.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=41.7km s-min=16.4km az=82.0.
ISC XII 03 22 35 28.6–.65 15.08N–.03 42.16E–.04 10 3.7b,3.4s 34 2-94
SGS XII 03 22 35 26.3 15.09N 41.77E 7 3.7b,3.4s **¶602390408**
ISCJB XII 03 22 35 27.1–.64 15.04N–.05 42.13E–.05 10 3.7b,3.3s
DHMR XII 03 22 35 27.8–1.4 14.91N 42.21E 21–14 4.2L,3.3s
IDC XII 03 22 35 27.6–.94 14.99N 42.11E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.5km az=37.1.
DHMR Error ellipse: s-maj=6.7km s-min=12.7km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.1km az=81.0.
ISC XII 03 23 56 05.4–1.0 15.08N–.03 42.15E–.04 8–6 4.4b 149 2-125
ARO XII 03 23 55 54.1 16N–16 42E–77 15–99 4.2L **¶601996014**
DHMR XII 03 23 56 00.6–1.7 14.98N 42.08E 3–25 4.8L
MOS XII 03 23 56 04.2–.92 15.01N 42.21E 10 4.6b
IDC XII 03 23 56 04.1–.68 14.94N 42.14E 0 4.2,4.1
SGS XII 03 23 56 04.7 15.12N 42.28E 11 4.2,4.1
NEIC XII 03 23 56 05.6–.30 14.97N 42.22E 10 4.4b,4.1
ISC Event type se.
DHMR Error ellipse: s-maj=12.1km s-min=21.7km az=-1.0.
MOS Error ellipse: s-maj=12.1km s-min=6.5km az=88.8.
IDC Error ellipse: s-maj=17.7km s-min=13.1km az=79.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.8km az=115.0.
DHMR XII 04 00 04 35.1–1.9 15.04N 42.23E 13–25 3.8L ¶604033692

DHMR Error ellipse: s-maj=14.3km s-min=20.2km az=-1.0.
DHMR XII 04 00 26 57.2–1.6 14.95N 42.19E 12–23 3.9L ¶604033694

DHMR Error ellipse: s-maj=13.0km s-min=19.7km az=-1.0.
ISC XII 04 01 34 00.3–.65 15.00N–.04 42.05E–.06 10 3.8b 29 2-62
EAF XII 04 01 33 40.0–5.2 15.18N 46.09E 0–999 3.8b ¶602390417
DHMR XII 04 01 33 56.3–1.6 15.06N 42.20E 3–23 4.0L
SGS XII 04 01 33 59.0 15.08N 41.78E 7 4.0L
IDC XII 04 01 34 00.5–2.1 15.05N 42.11E 0 4.0,3.8b
ISC Event type ke.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
DHMR Error ellipse: s-maj=12.6km s-min=19.0km az=-1.0.
IDC Error ellipse: s-maj=52.6km s-min=26.3km az=177.0.
ISC XII 04 02 00 02.1–3.4 15.1N–.20 42.1E–.10 10 15 2-4
ARO XII 04 01 59 56.7 16N–25 42E–100 15–99 3.0L ¶604033695
DHMR XII 04 02 00 05.8–1.3 14.85N 42.39E 10–19 3.8L
ISC Event type ke.
DHMR Error ellipse: s-maj=10.1km s-min=16.2km az=-1.0.
ISC XII 04 02 52 34.3–.86 15.03N–.07 42.18E–.06 10 3.6b 16 2-62
DHMR XII 04 02 52 31.0–1.9 15.20N 42.32E 4–29 4.1L ¶602390421
IDC XII 04 02 52 31.1–2.9 14.59N 41.99E 0 3.8,3.6
ISCJB XII 04 02 52 32.5–.80 14.93N–.09 42.05E–.07 10 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XII 04 05 09 51.5–2.9 15.3N–.20 42.12E–.10 10 20 2-4
ARO XII 04 05 09 49.4 16N–53 42E–100 15–99 3.5L ¶604033696
DHMR XII 04 05 09 53.7–1.6 15.05N 42.04E 4–17 4.1L
ISC Event type ke.
DHMR Error ellipse: s-maj=12.7km s-min=16.6km az=-1.0.
ISC XII 04 09 17 37.9–1.1 15.08N–.04 42.04E–.06 10 25 2-5
DHMR XII 04 09 17 35.6–1.9 15.07N 41.88E 11–138 4.4L ¶604033698
ARO XII 04 09 17 36.3 15N–25 42E–94 15–99 3.7L
ISCJB XII 04 09 17 38.1–.68 15.07N–.04 41.85E–.06 10 3.7L
SGS XII 04 09 17 43.4 15.16N 42.23E 15 3.7L
ISC Event type ke.
DHMR Error ellipse: s-maj=11.6km s-min=89.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=7.8.
DHMR XII 04 10 43 46.7–1.4 15.03N 42.08E 12–33 4.0L
¶604033701
DHMR Error ellipse: s-maj=16.6km s-min=26.3km az=-1.0.
DHMR XII 04 11 18 46.5–4.3 14.72N 42.39E 9–59 3.5L
¶604033702
DHMR Error ellipse: s-maj=32.8km s-min=53.7km az=-1.0.
DHMR XII 04 12 20 37.7–2.3 14.85N 42.26E 7–27 3.5L
¶604033704
DHMR Error ellipse: s-maj=9.4km s-min=24.8km az=-1.0.
ISC XII 04 16 56 04.3–3.2 15.02N–.04 42.04E–.06 4–19 30 2-7
DHMR XII 04 16 56 02.9–3.4 15.09N 42.01E 13–29 4.1L ¶604033707
ISCJB XII 04 16 56 04.3–1.5 15.00N–.05 41.96E–.08 12–13 4.1L
SGS XII 04 16 56 08.4 15.05N 42.16E 22 4.1L
ARO XII 04 16 56 09.8 15N–16 42E–100 15–99 4.5L
ISC Event type ke.
ISCJB Event type ke.
DHMR XII 04 17 39 14.3–1.9 14.95N 42.05E 2–59 3.8L
¶604033708
DHMR Error ellipse: s-maj=15.5km s-min=102.4km az=-1.0.
DHMR XII 04 17 59 04.0–2.0 14.98N 42.29E 12–29 3.6L
¶604033709
DHMR Error ellipse: s-maj=16.4km s-min=23.5km az=-1.0.
DHMR XII 04 18 49 32.7–1.6 15.12N 42.14E 15 3.6L
¶604033710
DHMR Error ellipse: s-maj=8.8km s-min=14.3km az=-1.0.
DHMR XII 04 20 05 13.2–2.5 14.94N 42.14E 14–29 4.2L
¶604033711
DHMR Error ellipse: s-maj=11.3km s-min=27.0km az=-1.0.
ISC XII 04 20 53 29.1–3.0 15.03N–.06 42.2E–.10 10–16 20 2-5
DHMR XII 04 20 53 29.2–2.9 14.98N 42.23E 10 4.3L ¶604033713
SGS XII 04 20 53 31.0 15.00N 42.04E 17 4.3L
ISC Event type ke.
DHMR Error ellipse: s-maj=10.2km s-min=15.9km az=-1.0.
ISC XII 05 00 41 52.6–.68 15.05N–.03 42.18E–.04 10 3.8b,3.4s 70 2-51
DHMR XII 05 00 41 49.6–2.4 15.14N 42.20E 12–26 4.0L,3.4s ¶602390479
ISCJB XII 05 00 41 51.6–.43 15.09N–.03 42.17E–.04 10 3.8b,3.4s
SGS XII 05 00 41 52.7 15.02N 41.96E 12 3.8b,3.4s
IDC XII 05 00 41 52.0–1.2 14.92N 42.18E 0 4.3L,3.9
ARO XII 05 00 41 54.3 15N–26 42E–100 15–99 3.7L,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC XII 05 08 50 15.8–2.0 15.12N–.05 42.01E–.08 5–18 24 2-4
DHMR XII 05 08 50 15.2–1.4 15.06N 42.12E 3–12 4.5L ¶604033716
SGS XII 05 08 50 22.4 15.27N 41.98E 6 4.5L
ISC Event type ke.
DHMR Error ellipse: s-maj=5.5km s-min=10.0km az=-1.0.
DHMR XII 06 01 25 01.3–2.0 14.96N 42.05E 2–21 3.9L
¶604033718
DHMR Error ellipse: s-maj=12.7km s-min=32.6km az=-1.0.
ISC XII 06 01 49 41.5–2.7 14.99N–.06 42.08E–.08 2–17 21 2-7
DHMR XII 06 01 49 41.5–1.4 14.99N 42.06E 10–13 4.5L ¶604033719
SGS XII 06 01 49 48.9 15.34N 42.20E 6 4.5L
ISC Event type ke.
DHMR Error ellipse: s-maj=5.5km s-min=11.8km az=-1.0.
ISC XII 06 10 34 27.9–1.7 15.06N–.06 42.17E–.09 10 14 2-3
ISCJB XII 06 10 34 29.2–1.3 15.10N–.05 42.13E–.08 10 ¶604033721
SGS XII 06 10 34 30.0 14.96N 41.93E 24
DHMR XII 06 10 34 31.3–3.1 14.94N 42.37E 9–87 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.7km az=153.9.
DHMR Error ellipse: s-maj=13.1km s-min=57.4km az=-1.0.
DHMR XII 07 09 40 03.0–.65 14.81N 42.14E 9–11 3.5L
¶604033725
DHMR Error ellipse: s-maj=2.9km s-min=9.8km az=-1.0.
DHMR XII 14 17 01 15.7–.83 14.62N 42.22E 3–152 3.6L
¶604033729
DHMR Error ellipse: s-maj=65.5km s-min=170.6km az=-1.0.
DHMR XII 14 17 03 43.9–2.3 14.27N 42.21E 8–35 3.6L
¶604033730
DHMR Error ellipse: s-maj=27.5km s-min=32.6km az=-1.0.
ISC XII 14 22 47 49.7–4.9 15.6N–.20 42.1E–.10 10 21 3-4
ARO XII 14 22 47 58.1 16N–38 42E–100 15–99 3.8L ¶604724448
ISC Event type ke.
DHMR XII 15 13 07 39.3–4.1 15.21N 42.13E 5–353 3.9L
¶604033732
DHMR Error ellipse: s-maj=170.5km s-min=303.8km az=-1.0.
HLW XII 18 11 14 47.2 29.84N 36.50E 20–13 3.5L
¶604039588
ISC XII 20 18 48 57.2–3.5 15.4N–.20 42.1E–.10 10 12 3-4
ARO XII 20 18 48 51.2 16N–32 42E–100 15–99 3.4L ¶604724451
ISC Event type ke.
HLW XII 21 12 08 12.8 29.71N 36.59E 10–21 3.7L
¶604039590
ISC XII 24 14 44 40.0–.82 29.91N–.02 35.07E–.04 13–5 3.5b 73 0-85
HLW XII 24 14 44 35.9 30.03N 35.56E 8–25 4.8L,3.8 ¶602064057
IDC XII 24 14 44 39.0–.97 29.97N 34.78E 0 3.7,3.6
ISCJB XII 24 14 44 39.7–.35 29.93N–.02 35.03E–.04 14–2 3.6b,2.8s
GII XII 24 14 44 39.8–.00 29.91N 35.09E 8–0 4.4b,4.3
JSO XII 24 14 44 40.0–.30 30N–3.0 35E–4.0 1–4 4.5,4.0
SGS XII 24 14 44 40.2 29.90N 34.92E 13 4.5,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=5.7km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=2.6km az=7.8.
GII Event type ke.
ISC XII 28 21 06 47.6–.70 15.05N–.04 42.15E–.05 10 3.6b 34 2-62
ARO XII 28 21 06 37.0 16N–59 42E–100 15–99 3.5L ¶602380799
DHMR XII 28 21 06 41.6–2.9 15.13N 41.93E 12–33 4.3L
ISCJB XII 28 21 06 45.6–.48 15.00N–.04 42.09E–.05 10 3.5b
IDC XII 28 21 06 46.6–.91 14.88N 42.12E 0 3.9L,3.7
SGS XII 28 21 06 47.4 15.16N 42.27E 3 3.9L,3.7
ISC Event type ke.
DHMR Error ellipse: s-maj=26.3km s-min=26.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.5km az=178.2.
IDC Error ellipse: s-maj=22.2km s-min=17.0km az=83.0.

(557) Sudan.

IDC XII 05 22 38 23.0–1.6 5.07N 31.99E 0 3.6b,3.5
¶602390522
IDC Error ellipse: s-maj=40.3km s-min=22.0km az=52.0.

(558) Ethiopia.

ISC VII 01 16 19 13.7–.29 13.27N–.03 41.82E–.03 10 4.6b,4.0s 325 1-126
AAE VII 01 16 18 56.2–6.7 14.69N 42.36E 0–464 4.6b,4.0s ¶601218199
BJI VII 01 16 19 06.3 12.79N 41.23E 6 4.9b,4.7b
DSN VII 01 16 19 10.3–4.2 13.04N 41.73E 10 5.1b,4.7b
DHMR VII 01 16 19 11.4–1.7 13.14N 41.90E 12–17 4.9L,4.7b
IDC VII 01 16 19 12.1–.52 13.26N 41.74E 0 4.4,4.3
MOS VII 01 16 19 12.5–1.0 13.34N 41.71E 12 5.0b,4.1s
ARO VII 01 16 19 12.2 13N–2.0 42E–1.0 8–1 4.9L,4.1s
ISCJB VII 01 16 19 12.4–.18 13.35N–.02 41.77E–.02 10 4.6b,4.0s
GCMT VII 01 16 19 13.5–.30 13.53N 41.70E 25–1 5.0W,4.0s
NEIC VII 01 16 19 13.5–.28 13.35N 41.79E 10 4.8b,4.0s
CSEM VII 01 16 19 13.6–.19 13.26N 41.79E 10 4.6b,4.0s
ISC Event type ke.
AAE Error ellipse: s-maj=427.4km s-min=117.3km az=-1.0.
DSN Error ellipse: s-maj=68.3km s-min=13.1km az=6.0.
DHMR Error ellipse: s-maj=10.9km s-min=17.7km az=-1.0.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=64.0.
MOS Error ellipse: s-maj=10.3km s-min=5.5km az=88.7.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=137.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s15,c18; s69,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.53±.16 $M_{\theta\theta}$-1.83±.12; $M_{\phi\phi}$1.31±.14; $M_{r\theta}$-1.94±.26; $M_{\theta\phi}$-1.90±.08; $M_{\phi r}$1.00±.26; Best double couple: NP1:ϕ_s287.00000°,δ83.00000°,λ138.00000°. NP2:ϕ_s23.00000°,δ49.00000°,λ10.00000°. Principal axes: T 3.3760,Plg34.0000°,Azm236.0000°; N -0.0990,Plg48.0000°,Azm99.0000°; P -3.2680,Plg22.0000°,Azm342.0000° $M_0$3.32200×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=7.0.
ISC VIII 03 02 19 23.1–3.1 9.3N–.20 41.3E–.10 10 12 2-3
ARO VIII 03 02 19 23.7 9N–180 41E–100 15–99 3.5L ¶604723524
ISC Event type ke.
ISC IX 04 23 02 42.0–.79 13.73N–.05 40.68E–.06 10 3.6s,3.6b 20 3-53
IDC IX 04 23 02 39.1–1.4 13.59N 40.27E 0 3.8,3.7 ¶601862951
EAF IX 04 23 04 17.1–240 11.64N 42.63E 0–999 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=16.8km az=40.0.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 08 21 11 41.1–.51 11.78N–.06 43.23E–.05 19 4.4b 78 0-95
AAE IX 08 21 10 58.4–16 12.60N 45.67E 26–999 4.4b ¶601696949
EAF IX 08 21 10 59.1–13 12.34N 45.39E 0–999 4.4b
DHMR IX 08 21 11 36.3–1.8 11.77N 43.13E 20–23 5.1L
IDC IX 08 21 11 38.1–.78 11.66N 43.25E 0 4.1,4.1
ISCJB IX 08 21 11 39.3–.37 11.69N–.04 43.38E–.04 19 4.3b,4.1s
NEIC IX 08 21 11 39.6–.44 11.71N 43.29E 10 4.4b,4.1s
ISC Event type fe.
AAE Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
EAF Error ellipse: s-maj=829.9km s-min=999.9km az=-1.0.
DHMR Error ellipse: s-maj=18.5km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=6.6km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=136.1.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.2km az=151.0. Felt [III] at Djibouti. Also felt at Alaili Dadda, Obock and Tadjoura.
ARO IX 10 04 30 58.4 11.9N–.40 43.1E–.50 5–1 3.9L
¶604723579
ISC IX 12 22 06 19.3–1.0 11.65N–.05 42.97E–.04 11–8 18 0-3
ISCJB IX 12 22 06 18.4–.61 11.64N–.06 42.97E–.06 11–6 ¶604723582
ARO IX 12 22 06 18.4 11.6N–.20 43.0E–.20 3–1 3.6L
ISC Event type ke.
ISCJB Event type ke.
ARO IX 13 08 22 04.5 11.6N–.20 43.0E–.20 2–1 3.7L
¶604723583
ARO IX 15 16 01 02.2 11.6N–.20 43.0E–.30 3–0 3.1L
¶604723589
ISC IX 16 03 38 44.7–1.4 11.3N–.10 40.98E–.08 10 18 1-3
ARO IX 16 03 38 47.1 11N–3.0 41E–1.0 6–3 3.4L ¶604723597
ISC Event type ke.
ISC IX 16 09 06 11.5–.92 11.67N–.04 43.00E–.04 10 20 0-5
DHMR IX 16 09 06 07.4–1.9 11.62N 42.83E 9–29 4.3L ¶604033593
ISCJB IX 16 09 06 10.7–.67 11.55N–.06 42.98E–.05 10 4.3L
ARO IX 16 09 06 10.6 11.6N–.30 43.0E–.30 3–2 3.9L
ISC Event type ke.
ISCJB Event type ke.
ISC X 17 09 35 45.1–3.8 13.5N–.10 41.8E–.20 10 14 1-4
ARO X 17 09 35 49.8 13N–1.0 42E–1.0 8–1 4.0L ¶604724357
ISC Event type ke.
ISC X 21 18 01 37.0–1.2 11.84N–.07 43.11E–.06 18–7 10 0-2
ISCJB X 21 18 01 37.0–.73 11.85N–.08 43.11E–.08 17–13 ¶604724360
ARO X 21 18 01 37.8 11.8N–.30 43.1E–.40 8–2 2.9L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 01 22 55 55.2–5.3 13.6N–.20 41.5E–.20 10 12 2-3
ARO XI 01 22 56 02.4 13N–8.0 42E–8.0 2–8 3.0L ¶604724422
ISC Event type ke.
ARO XI 02 06 11 20.0 10N–19 43E–100 15–99 3.5L
¶604724423
ISC XI 08 20 18 07.0–1.9 13.45N–.08 42.4E–.10 10 12 1-3
ISCJB XI 08 20 18 08.0–1.3 13.53N–.06 42.4E–.10 10 ¶604724425
ARO XI 08 20 18 09.8 13N–4.0 42E–5.0 5–7 3.3L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 09 14 26 31.9–2.9 13.0N–.10 42.1E–.20 10 15 1-4
ARO XI 09 14 26 35.0 13N–2.0 42E–3.0 8–3 3.3L ¶604724426
ISC Event type ke.
ISC XI 30 15 42 17.4–1.4 11.55N–.08 42.68E–.07 13–9 11 0-2
ISCJB XI 30 15 42 17.2–1.1 11.54N–.09 42.67E–.09 14–6 ¶604724434
ARO XI 30 15 42 17.7 11.6N–.10 42.7E–.20 3–0 3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 30 17 34 49.4–1.3 11.55N–.06 42.69E–.06 13–8 20 0-2
ARO XI 30 17 34 49.6 11.6N–.20 42.7E–.30 3–0 4.1L ¶604724435
ISC Event type ke.
DHMR XII 03 17 07 13.6–1.0 14.72N 41.62E 22–999 3.9L
¶604033688
DHMR Error ellipse: s-maj=198.1km s-min=999.9km az=-1.0.
ISC XII 03 20 27 22.9–.75 14.93N–.05 42.0E–.10 10 3.7b 17 3-62
ISCJB XII 03 20 27 21.5–.72 15.00N–.08 42.2E–.10 10 3.8b ¶602390405
IDC XII 03 20 27 21.8–.98 14.99N 42.16E 0 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=11.5km az=174.2.
IDC Error ellipse: s-maj=26.0km s-min=16.2km az=80.0.
DHMR XII 04 20 46 31.6–.80 14.94N 41.77E 22–999 3.8L
¶604033712
DHMR Error ellipse: s-maj=429.0km s-min=999.9km az=-1.0.
DHMR XII 05 01 09 36.2–3.8 14.88N 41.98E 6–70 3.5L
¶604033715
DHMR Error ellipse: s-maj=52.2km s-min=79.3km az=-1.0.
ISC XII 08 06 18 24.5–2.5 14.94N–.09 41.7E–.20 10 13 2-4

DHMR	XII	08 06 18 25.6–2.0	14.87N	41.97E	8–23	4.1L	¶604033726
SGS	XII	08 06 18 29.0	15.02N	41.72E	15	4.1L	
ISC	Event type ke.						
DHMR	Error ellipse: s-maj=12.2km s-min=19.7km az=-1.0.						
ISC	**XII**	**12 15 45 22.0–1.3**	**10.2N–.20**	**41.3E–.20**	**10**	**23 1-3**	
ARO	XII	12 15 45 20.7	10N–13	41E–16	16–74	3.9L	¶604724446
ISCJB	XII	12 15 45 24.1–1.1	10.3N–.30	41.4E–.20	10	3.9L	
EAF	XII	12 15 45 25.7–7.2	10.41N	41.25E	0–54	3.9L	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=44.8km s-min=5.3km az=146.4.						
EAF	Error ellipse: s-maj=930.0km s-min=599.7km az=-1.0.						
ISC	**XII**	**25 07 18 23.5–.74**	**14.71N–.05**	**41.78E–.07**	**9**	**3.8b 29 2-62**	
ARO	XII	25 07 17 59.8	16N–42	42E–100	15–99	4.6L	¶602380574
DHMR	XII	25 07 18 19.6–.88	14.72N	41.84E	7–10	4.1L	
ISCJB	XII	25 07 18 21.1–.54	14.61N–.04	41.73E–.05	9	3.7b,2.6s	
IDC	XII	25 07 18 22.5–.99	14.69N	41.80E	0	3.9,3.9L	
ISC	Event type ke.						
DHMR	Error ellipse: s-maj=4.1km s-min=9.1km az=-1.0.						
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=6.1km az=36.3.						
IDC	Error ellipse: s-maj=25.8km s-min=16.5km az=76.0.						

(559) Western Gulf of Aden.

ISC	**VII**	**25 21 06 19.5–1.5**	**12.1N–.20**	**46.8E–.10**	**10**	**3.5b 10 2-61**	
IDC	VII	25 21 06 20.5–2.8	12.39N	47.21E	0	3.5,3.5	¶601666440
ISC	Event type ke.						
IDC	Error ellipse: s-maj=58.7km s-min=27.7km az=173.0.						
ISC	**IX**	**05 18 29 52.6–.89**	**12.2N–.10**	**46.00E–.08**	**13**	**3.7b 14 1-93**	
IDC	IX	05 18 29 50.5–1.1	12.15N	46.13E	0	4.0L,3.9	¶601862997
ISCJB	IX	05 18 29 51.0–.76	12.3N–.10	46.05E–.06	13	3.7b,3.9	
ISC	Event type ke.						
ISCJB	Event type ke.						
ISC	**IX**	**05 18 42 35.2–.74**	**11.99N–.09**	**46.17E–.09**	**13**	**3.6b 19 1-93**	
ISCJB	IX	05 18 42 33.7–.57	11.97N–.07	46.19E–.07	13	3.6b	¶601862998
IDC	IX	05 18 42 33.3–.93	11.97N	46.20E	0	3.8,3.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=10.5km s-min=9.1km az=36.2.						
IDC	Error ellipse: s-maj=22.4km s-min=17.7km az=7.0.						
ISC	**IX**	**05 20 36 33.7–.44**	**12.09N–.04**	**46.19E–.04**	**15–2**	**4.9b,4.7s 432 1-130**	
BJI	IX	05 20 36 27.0	11.91N	45.87E	5	5.3b,4.9b	¶601676702
IDC	IX	05 20 36 30.4–.41	12.09N	46.18E	0	4.6,4.6	
ISCJB	IX	05 20 36 31.2–.21	12.03N–.03	46.26E–.03	10	4.8b,4.7s	
MOS	IX	05 20 36 32.1–1.2	12.01N	46.30E	14	5.2b,4.7s	
DSN	IX	05 20 36 32.1–.77	12.17N	46.12E	10	5.3b,4.9s	
NEIC	IX	05 20 36 32.9–.26	12.08N	46.24E	10	5.1b,4.9s	
DHMR	IX	05 20 36 36.5–1.5	12.55N	45.84E	17–22	4.7L,4.9s	
OMAN	IX	05 20 36 38.0–13	12.13N	46.59E	10	4.7L,4.9s	
ISC	Event type se.						
IDC	Error ellipse: s-maj=11.6km s-min=10.6km az=83.0.						
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=10.9.						
MOS	Error ellipse: s-maj=8.1km s-min=3.8km az=100.5.						
DSN	Error ellipse: s-maj=20.3km s-min=8.5km az=129.0.						
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=5.9km az=62.0.						
DHMR	Error ellipse: s-maj=26.0km s-min=12.3km az=-1.0.						
OMAN	Error ellipse: s-maj=167.0km s-min=86.0km az=15.0.						
ISC	**XII**	**02 11 09 41.7–.82**	**12.20N–.07**	**45.66E–.07**	**10**	**4.0b,3.5s 27 1-93**	
ISCJB	XII	02 11 09 40.0–.62	12.18N–.06	45.73E–.06	10	3.9b,3.5s	¶602042840
IDC	XII	02 11 09 39.2–1.3	12.00N	45.75E	0	4.0,3.8b	
NEIC	XII	02 11 09 40.7–.53	11.89N	45.79E	10	4.3b,3.8b	
DHMR	XII	02 11 09 41.4–.78	12.42N	45.79E	8–34	3.8L,3.8b	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=10.2km s-min=6.5km az=43.0.						
IDC	Error ellipse: s-maj=39.4km s-min=26.8km az=179.0.						
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=9.0km az=183.0.						
DHMR	Error ellipse: s-maj=25.3km s-min=13.3km az=-1.0.						

(560) Northwestern Somalia.

ISC	**VIII**	**14 05 52 21.1–1.8**	**10.39N–.05**	**43.83E–.10**	**10**	**21 1-5**	
AAE	VIII	14 05 52 19.7–11	10.46N	43.82E	6–999		¶604069361
EAF	VIII	14 05 52 20.4–11	10.48N	43.78E	3–403		
ARO	VIII	14 05 52 21.1	10N–9.0	43E–60	15–99	4.3L	
ISCJB	VIII	14 05 52 23.7–1.2	10.36N–.04	43.67E–.09	10	4.3L	
ISC	Event type ke.						
ISCJB	Event type ke.						

(567) Zaire.

ISC	**VIII**	**21 03 54 54.0–.89**	**1.41S–.08**	**26.82E–.08**	**10**	**3.7b 13 4-68**	
ISCJB	VIII	21 03 54 51.8–.77	1.44S–.06	26.82E–.06	10	3.6b,3.1s	¶601766234
IDC	VIII	21 03 54 53.6–1.2	1.16S	26.89E	0	4.2L,3.8	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=9.2km s-min=7.5km az=30.4.						
IDC	Error ellipse: s-maj=25.6km s-min=19.0km az=4.0.						
ISC	**X**	**14 16 25 53.7–.51**	**1.14S–.08**	**26.89E–.06**	**10**	**4.4b,3.8s 72 4-98**	
BJI	X	14 16 25 49.3	1.82S	26.96E	4	5.2b,5.0b	¶605136344
ISCJB	X	14 16 25 52.2–.34	1.06S–.05	26.86E–.05	10	4.4b,3.7s	
IDC	X	14 16 25 52.5–.69	1.06S	26.87E	0	4.4L,4.3	
NEIC	X	14 16 25 54.0–.30	1.06S	26.82E	10	4.6b,4.3	
EAF	X	14 16 25 55.4–2.8	1.18S	26.66E	10	4.6,4.3	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=7.4km s-min=6.7km az=139.6.						
IDC	Error ellipse: s-maj=14.3km s-min=14.2km az=155.0.						
NEIC	Event type se. Error ellipse: s-maj=7.3km s-min=6.3km az=80.0.						
EAF	Error ellipse: s-maj=121.3km s-min=99.5km az=-1.0.						
ISC	**XI**	**11 15 40 33.9–.86**	**0.32S–.10**	**28.44E–.07**	**10**	**4.0b 23 2-72**	
IDC	XI	11 15 40 29.9–2.6	0.77S	28.19E	0	4.0,4.0s	¶601991722
ISCJB	XI	11 15 40 31.7–.70	0.4S–.10	28.33E–.06	10	4.0s,3.8b	
NEIC	XI	11 15 40 33.9–.69	0.35S	28.24E	10	4.1b,3.8b	
ISC	Event type se.						
IDC	Error ellipse: s-maj=65.5km s-min=24.6km az=14.0.						
ISCJB	Event type se. Error ellipse: s-maj=16.1km s-min=8.2km az=12.3.						
NEIC	Event type se. Error ellipse: s-maj=16.4km s-min=10.7km az=199.0.						
ISC	**XI**	**15 00 00 00.9–.54**	**1.37S–.06**	**26.89E–.07**	**10**	**4.0b 37 4-94**	
ISCJB	XI	14 23 59 59.6–.41	1.21S–.06	26.78E–.06	10	4.0b,3.1s	¶602058469
IDC	XI	15 00 00 00.3–.71	1.17S	26.73E	0	4.1,4.0	
NEIC	XI	15 00 00 01.8–.39	1.18S	26.78E	10	4.1b,4.0	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=8.3km az=11.9.						
IDC	Error ellipse: s-maj=27.4km s-min=14.3km az=97.0.						
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=7.9km az=100.0.						
ISC	**XI**	**20 16 23 50.1–.44**	**0.45S–.05**	**29.94E–.05**	**15–2**	**4.8b,4.0s 111 1-127**	
NEIC	XI	20 16 23 49.1–.82	0.38S	29.93E	17–5	4.8b,4.0s	¶601993234
IDC	XI	20 16 23 50.2–.50	0.30S	29.92E	22–2	4.9L,4.3	
BJI	XI	20 16 23 52.3	0.64S	30.41E	10	5.1b,4.8b	
ISCJB	XI	20 16 23 56.1–.60	0.82S–.04	30.54E–.06	71–5	4.6b,4.8b	
ISC	Event type fe.						
NEIC	Event type fe. Felt [III] at Kampala. Also felt at Buganga, Kasese, Mukono, Ntungamo and Rukungiri. Felt [III] at Kigali, Rwanda. Also felt at Kalembule.						
ISCJB	Event type fe.						

(568) Uganda.

ISC	**X**	**02 18 40 35.8–.54**	**0.51N–.06**	**30.23E–.05**	**14**	**4.2b,3.5s 36 1-62**	
ISCJB	X	02 18 40 33.8–.46	0.53N–.05	30.06E–.06	14	4.3b,3.4s	¶601868821
IDC	X	02 18 40 33.5–.88	0.58N	30.10E	0	4.0,4.0	
NEIC	X	02 18 40 35.1–.33	0.48N	29.99E	10	4.4b,4.0	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=6.2km az=143.6.						
IDC	Error ellipse: s-maj=23.1km s-min=11.8km az=62.0.						
NEIC	Event type se. Error ellipse: s-maj=7.5km s-min=6.5km az=59.0.						

(570) Kenya.

ISC	**XII**	**06 02 43 06.5–1.0**	**0.41N–.08**	**36.02E–.08**	**10**	**8 2-67**	
IDC	XII	06 02 43 05.1–1.2	0.59N	35.92E	0	4.2L,4.1	¶602390531
ISC	Event type ke.						
IDC	Error ellipse: s-maj=20.5km s-min=15.8km az=37.0.						

(572) Lake Tanganyika region.

ISC	**IX**	**06 22 12 38.0–.60**	**5.56S–.07**	**29.81E–.08**	**10**	**3.9b 23 5-92**	
ISCJB	IX	06 22 12 35.7–.45	5.62S–.05	29.88E–.08	10	3.9b	¶601734455
IDC	IX	06 22 12 37.2–.91	5.47S	29.61E	0	4.0,3.9	
NEIC	IX	06 22 12 38.1–.55	5.55S	29.69E	10	4.1b,3.9	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=12.0km s-min=5.8km az=26.2.						
IDC	Error ellipse: s-maj=23.2km s-min=14.8km az=118.0.						
NEIC	Event type se. Error ellipse: s-maj=17.0km s-min=8.9km az=108.0.						
ISC	**X**	**17 21 34 10.7–1.1**	**5.47S–.09**	**30.32E–.07**	**10**	**3.8b 17 6-69**	
IDC	X	17 21 34 08.9–1.4	5.66S	30.21E	0	4.3L,3.8	¶601998712
EAF	X	17 21 34 13.9–3.4	6.10S	30.65E	13–999	4.1,3.8	
ISC	Event type ke.						
IDC	Error ellipse: s-maj=34.7km s-min=23.6km az=134.0.						
EAF	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.						
ISC	**XII**	**11 03 28 44.2–1.3**	**3.68S–.10**	**29.80E–.07**	**10**	**11 6-33**	
ISCJB	XII	11 03 28 41.8–1.1	3.5S–.10	29.75E–.06	10	3.8b,3.1s	¶602391061
IDC	XII	11 03 28 42.0–1.6	3.45S	29.73E	0	4.0,4.0	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=15.8km s-min=8.9km az=171.6.						
IDC	Error ellipse: s-maj=35.0km s-min=22.7km az=165.0.						
ISC	**XII**	**24 14 35 31.4–.31**	**4.04S–.04**	**28.39E–.05**	**10**	**4.8b,3.9s 311 4-136**	
ISCJB	XII	24 14 35 29.7–.22	3.91S–.03	28.22E–.04	10	4.8b,4.0s	¶602057938
MOS	XII	24 14 35 30.5–1.0	3.78S	28.28E	10	5.1b,4.0s	
BJI	XII	24 14 35 30.4	3.90S	28.20E	10	5.2b,5.0s	
IDC	XII	24 14 35 30.1–.44	3.92S	28.29E	0	4.7,4.6	
NEIC	XII	24 14 35 31.5–.17	3.91S	28.26E	10	4.8b,4.6	
GCMT	XII	24 14 35 32.5–.30	3.80S–.03	28.04E–.02	23–1	5.0W,4.6	
ISC	Event type se.						
ISCJB	Event type se.						
NEIC	Event type se.						
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s65,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.05±.22 $M_{\theta\theta}$-0.22±.12; $M_{\phi\phi}$3.27±.14; $M_{r\theta}$0.66±.21; $M_{\theta\phi}$0.34±.10; $M_{\phi r}$1.02±.17; Best double couple: NP1:ϕ_s195.00000°,δ55.00000°,λ-78.00000°. NP2:ϕ_s355.00000°,δ37.00000°,λ-107.00000°. Principal axes: T 3.4830,Plg9.0000° ,Azm277.0000°; N -0.1520,Plg10.0000°,Azm9.0000°; P -3.3270,Plg76.0000°,Azm144.0000° M_o3.40500×10^{16}						
ISC	**XII**	**25 19 18 29.1–.46**	**6.14S–.04**	**29.81E–.06**	**10**	**4.4b 79 6-75**	
ISCJB	XII	25 19 18 27.4–.29	6.13S–.03	29.70E–.05	10	4.4b,3.2s	¶602090244
IDC	XII	25 19 18 28.7–.80	6.07S	29.63E	0	4.1,4.0	
NEIC	XII	25 19 18 29.5–.29	6.13S	29.71E	10	4.7b,4.0	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=13.5.						
IDC	Error ellipse: s-maj=23.9km s-min=14.9km az=105.0.						
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=107.0.						

(573) Tanzania.

ISC	**IX**	**26 13 14 21.5–.45**	**5.68S–.05**	**35.80E–.06**	**9**	**4.4b,3.6s 67 1-140**	
BJI	IX	26 13 14 18.3	5.84S	35.38E	17	5.0b,4.9s	¶601751801
ISCJB	IX	26 13 14 20.3–.35	5.69S–.04	35.78E–.07	9	4.3b,3.6s	
NEIC	IX	26 13 14 21.6–.39	5.77S	35.89E	10	4.5b,3.6s	
IDC	IX	26 13 14 21.0–.68	5.77S	35.83E	0	4.2,4.1L	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=9.4km s-min=5.9km az=7.8.						
NEIC	Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=104.0.						
IDC	Error ellipse: s-maj=21.2km s-min=14.7km az=110.0.						
ISC	**IX**	**26 13 18 58.2–1.5**	**5.5S–.10**	**35.70E–.08**	**10**	**4.0b 16 1-69**	
IDC	IX	26 13 18 56.3–2.0	5.46S	35.58E	0	4.0,3.8	¶601780633
NEIC	IX	26 13 18 57.0–1.3	5.67S	35.67E	10	4.5b,3.8	
ISC	Event type se.						
IDC	Error ellipse: s-maj=60.0km s-min=29.6km az=105.0.						
NEIC	Event type se. Error ellipse: s-maj=25.3km s-min=15.7km az=20.0.						
ISC	**X**	**02 09 32 48.9–.37**	**4.43S–.04**	**35.77E–.05**	**10**	**4.6b,3.9s 160 3-139**	
EAF	X	02 09 32 44.2–3.2	3.56S	34.35E	0–76	3.5,3.9s	¶601996787
IDC	X	02 09 32 46.9–.49	4.57S	35.93E	0	4.5,4.5L	
ISCJB	X	02 09 32 47.0–.26	4.47S–.04	35.88E–.06	10	4.5b,3.9s	
BJI	X	02 09 32 47.0	4.70S	36.10E	5	4.7b,4.7b	
MOS	X	02 09 32 47.2–1.8	4.45S	35.78E	10	4.9b,4.7b	
NEIC	X	02 09 32 48.4–.31	4.57S	35.89E	10	4.7b,4.7b	
ISC	Event type se.						
EAF	Error ellipse: s-maj=166.3km s-min=213.1km az=-1.0.						
IDC	Error ellipse: s-maj=18.5km s-min=12.0km az=88.0.						
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=11.0.						
MOS	Error ellipse: s-maj=12.6km s-min=6.1km az=86.9.						
NEIC	Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=101.0.						
ISC	**X**	**14 19 11 03.8–.56**	**4.60S–.06**	**35.89E–.07**	**10**	**4.1b,3.3s 23 1-95**	
ISCJB	X	14 19 11 02.0–.44	4.56S–.04	35.87E–.06	10	4.0b,3.5s	¶601833398
IDC	X	14 19 11 02.7–.70	4.62S	35.94E	0	4.2,4.2L	
NEIC	X	14 19 11 04.2–.52	4.57S	35.82E	10	4.2b,4.2L	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=165.0.						
IDC	Error ellipse: s-maj=24.8km s-min=15.6km az=95.0.						
NEIC	Event type se. Error ellipse: s-maj=15.4km s-min=9.6km az=96.0.						
ISC	**X**	**25 17 20 05.3–1.4**	**9.8S–.20**	**35.2E–.40**	**10**	**13 5-21**	
ISCJB	X	25 17 20 03.5–2.3	10.0S–.20	35.3E–.80	10		¶601999630
BUL	X	25 17 20 05.1–.42	10.13S	35.75E	10	4.4	
EAF	X	25 17 20 05.1–2.8	10.13S	35.75E	10	4.4	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=114.1km s-min=9.1km az=17.7.						
BUL	Error ellipse: s-maj=10.5km s-min=27.9km az=-1.0.						
EAF	Error ellipse: s-maj=69.2km s-min=184.0km az=-1.0.						
ISC	**X**	**31 15 15 06.7–.39**	**5.27S–.04**	**34.82E–.04**	**10**	**4.5b,3.7s 86 1-97**	
ISCJB	X	31 15 15 05.6–.29	5.24S–.04	34.79E–.04	10	4.4b,3.8s	¶601867024
IDC	X	31 15 15 06.4–.52	5.32S	34.77E	0	4.8L,4.4	
NEIC	X	31 15 15 07.1–.35	5.36S	34.79E	10	4.6b,4.4	
ISC	Event type se.						
ISCJB	Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=33.3.						
IDC	Error ellipse: s-maj=18.2km s-min=12.8km az=105.0.						
NEIC	Event type se. Error ellipse: s-maj=10.7km s-min=7.0km az=108.0.						
ISC	**XI**	**07 01 42 14.9–1.8**	**5.4S–.10**	**35.98E–.09**	**10**	**8 1-66**	
ISCJB	XI	07 01 42 13.1–1.6	5.51S–.09	35.93E–.07	10	3.5b	¶602388938
IDC	XI	07 01 42 16.6–2.6	5.06S	35.55E	0	3.6,3.6	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=14.4km s-min=9.3km az=24.8.						
IDC	Error ellipse: s-maj=57.8km s-min=24.7km az=135.0.						
ISC	**XI**	**29 05 08 09.6–.67**	**4.69S–.06**	**35.9E–.10**	**10**	**3.9b 15 1-81**	
ISCJB	XI	29 05 08 08.1–.57	4.61S–.05	35.75E–.06	10	3.9b,3.3s	¶602390148
IDC	XI	29 05 08 08.3–.89	4.83S	36.21E	0	4.0,3.9	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=6.6km az=2.2.						
IDC	Error ellipse: s-maj=32.8km s-min=18.8km az=114.0.						
ISC	**XI**	**30 08 46 53.1–1.1**	**4.58S–.05**	**36.3E–.20**	**10**	**4.0b 8 1-57**	
IDC	XI	30 08 46 51.5–2.2	4.59S	36.36E	0	4.0,3.9	¶602390229
ISC	Event type ke.						
IDC	Error ellipse: s-maj=106.0km s-min=17.6km az=107.0.						
ISC	**XII**	**28 13 27 48.8–.69**	**4.61S–.04**	**35.91E–.06**	**10**	**3.9b 18 0-66**	
ISCJB	XII	28 13 27 48.8–.53	4.57S–.03	35.92E–.06	10	3.7b,3.1s	¶602380783
IDC	XII	28 13 27 49.0–1.2	4.57S	35.87E	0	4.3L,4.0	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=173.8.						
IDC	Error ellipse: s-maj=37.0km s-min=18.3km az=109.0.						

(576) Zambia.

LSZ	**VII**	**19 01 20 02.7–2.0**	**15.61S**	**28.32E**	**10–35**	**3.0L,2.6**	¶604661358
LSZ	Error ellipse: s-maj=23.2km s-min=10.5km az=-1.0.						
ISC	**IX**	**21 17 36 27.5–.72**	**14.40S–.07**	**29.51E–.08**	**10**	**4.1b 26 2-77**	

ISCJB IX 21 17 36 26.6–.52 14.34S–.07 29.39E–.09 10 3.9b **¶601851702**
IDC IX 21 17 36 26.7–2.1 14.34S 29.51E 0 4.5L,4.0
NEIC IX 21 17 36 28.8–.59 14.18S 29.47E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=7.4km az=30.7.
IDC Error ellipse: s-maj=53.4km s-min=37.4km az=124.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.6km az=124.0.
EAF X 12 05 04 58.1–3.1 14.51S 24.99E 1–999 4.2
BUL X 12 05 04 58.2–.32 13.80S 25.55E 181–59 4.2 **¶601997964**
PRE X 12 05 06 59.7–116 17.82S 29.81E 5 3.3L
EAF Error ellipse: s-maj=999.9km s-min=63.9km az=-1.0.
BUL Error ellipse: s-maj=21.5km s-min=75.1km az=-1.0.
PRE Error ellipse: s-maj=874.8km s-min=999.9km az=-1.0.

(580) Zimbabwe.

ISC XI 14 21 02 18.7–1.3 16.05S–.06 31.4E–.10 10 22 3-56
ISCJB XI 14 21 02 17.5–.95 16.08S–.06 31.33E–.09 10 3.2b **¶602058466**
IDC XI 14 21 02 17.5–2.8 16.25S 31.14E 0 3.8L,3.5
NEIC XI 14 21 02 18.8–1.2 16.23S 31.35E 10 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.1km az=10.0.
IDC Error ellipse: s-maj=83.4km s-min=29.7km az=106.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=12.9km az=101.0.

(581) Mozambique.

ISC VIII 31 14 21 19.6–2.9 21.70S–.10 33.0E–.10 10 16 3-10
PRE VIII 31 14 21 17.2–1.6 21.63S 33.23E 5 3.7L **¶602028855**
ISC Event type ke.
PRE Error ellipse: s-maj=11.3km s-min=11.0km az=-1.0.
ISC IX 21 07 08 04.4–1.7 21.24S–.07 32.2E–.10 10 17 4-149
IDC IX 21 07 08 05.8–3.8 21.09S 31.66E 0 4.1,4.1b **¶601836432**
BUL IX 21 07 08 06.3–2.4 20.78S 32.41E 20–197 4.0,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=86.1km s-min=26.6km az=108.0.
BUL Error ellipse: s-maj=76.1km s-min=161.3km az=-1.0.
ISC XI 20 11 56 49.6–2.7 21.61S–.10 32.7E–.10 10 20 3-10
PRE XI 20 11 56 43.7–1.6 21.33S 32.95E 5 3.3L **¶603823018**
ISC Event type ke.
PRE Error ellipse: s-maj=11.1km s-min=10.0km az=-1.0.

(582) Mozambique Channel.

ISC VII 03 01 30 46.7–.43 17.59S–.08 41.68E–.05 10 4.5b 111 5-153
ISCJB VII 03 01 30 45.0–.36 17.49S–.06 41.60E–.05 10 4.4b,3.3s **¶601235601**
IDC VII 03 01 30 45.8–.66 17.37S 41.68E 0 4.5L,4.3
NEIC VII 03 01 30 49.0–3.9 17.32S 41.72E 18–24 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=159.8.
IDC Error ellipse: s-maj=20.1km s-min=14.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.4km az=156.0.
ISC VIII 10 00 30 08.8–.49 19.78S–.09 41.30E–.06 10 4.7b,3.9s 86 6-147
ISCJB VIII 10 00 30 07.6–.39 19.74S–.07 41.25E–.05 10 4.5b,3.9s **¶601534311**
IDC VIII 10 00 30 07.7–.72 19.68S 41.27E 0 4.4,4.4
NEIC VIII 10 00 30 09.0–.29 19.80S 41.23E 10 4.7b,4.4
BJI VIII 10 00 30 08.1 19.80S 41.30E 10 5.1b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.1km az=174.6.
IDC Error ellipse: s-maj=22.0km s-min=15.6km az=163.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=170.0.
ISC IX 01 01 22 01.3–1.1 22.9S–.10 38.69E–.08 10 3.8b 20 9-147
ISCJB IX 01 01 21 59.6–1.0 22.8S–.10 38.80E–.07 10 3.8b **¶601715664**
NEIC IX 01 01 22 00.9–1.0 23.03S 38.91E 10 4.0b
IDC IX 01 01 22 00.2–2.1 22.99S 38.95E 0 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.9km az=178.4.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=11.6km az=164.0.
IDC Error ellipse: s-maj=67.9km s-min=27.2km az=165.0.
ISC XI 07 11 26 22.2–.76 16.7S–.10 41.42E–.06 10 4.0b 17 6-152
ISCJB XI 07 11 26 20.3–.73 16.5S–.10 41.53E–.06 10 4.0b **¶602388960**
IDC XI 07 11 26 20.8–.79 16.25S 41.56E 0 4.1,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.1km az=176.6.
IDC Error ellipse: s-maj=28.9km s-min=19.1km az=175.0.
ISC XII 14 15 18 49.9–.50 16.14S–.07 41.67E–.05 10 4.0b,4.0s 51 6-146
ISCJB XII 14 15 18 48.4–.41 16.18S–.06 41.64E–.05 10 4.0b,3.8s **¶602043544**
IDC XII 14 15 18 49.0–.66 16.07S 41.74E 0 5.1L,4.2
NEIC XII 14 15 18 50.7–.35 16.11S 41.74E 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.1km az=169.3.
IDC Error ellipse: s-maj=19.4km s-min=15.2km az=164.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.4km az=189.0.

(584) South Africa.

ISC VII 12 14 28 58.9–.91 26.35S–.03 27.41E–.03 9–6 4.0b 57 0-89
ISCJB VII 12 14 28 58.4–.51 26.37S–.03 27.43E–.03 10–3 4.0b **¶601664490**
NEIC VII 12 14 28 58.9–.58 26.32S 27.52E 5 4.0b
PRE VII 12 14 28 58.9–1.7 26.37S 27.42E 2 3.2L
IDC VII 12 14 28 58.4–.88 26.40S 27.42E 0 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=41.8.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.4km az=101.0.
PRE Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=12.0km az=84.0.
PRE VII 30 20 28 23.2–1.7 29.72S 25.97E 5 3.7L
¶603821002
PRE Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0.
ISC VIII 16 15 39 05.6–.90 26.45S–.03 27.49E–.03 7–5 4.7b 55 0-151
IDC VIII 16 15 39 04.4–1.7 26.29S 27.77E 0 4.1,4.0 **¶601734961**
NEIC VIII 16 15 39 04.5–.45 26.35S 27.71E 5 4.7b,4.0
ISCJB VIII 16 15 39 05.7–.41 26.46S–.03 27.43E–.03 19–4 4.8b,4.0
PRE VIII 16 15 39 05.6–1.3 26.48S 27.40E 2 3.1L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=22.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.3km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=28.2.
PRE Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
BUL VIII 27 15 53 18.3–1.6 26.22S 27.17E 18–103 3.6
EAF VIII 27 15 53 18.4–1.3 25.98S 26.52E 24–186 3.6 **¶601725177**
BUL Error ellipse: s-maj=160.1km s-min=392.8km az=-1.0.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VIII 27 21 43 11.7–.77 26.47S–.03 27.59E–.03 10 32 0-6
EAF VIII 27 21 43 06.8–2.1 25.18S 23.36E 60–999 3.6 **¶603821120**
ISCJB VIII 27 21 43 11.9–.43 26.47S–.03 27.61E–.03 10 3.6
PRE VIII 27 21 43 11.9–2.2 26.48S 27.61E 2 2.4L
ISC Event type ke.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=150.9.
PRE Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
ISC IX 14 14 07 19.1–3.6 25.24S–.08 32.0E–.20 10 14 3-7
PRE IX 14 14 07 15.2–1.2 25.04S 32.14E 5 2.8L **¶603822656**
ISC Event type ke.
PRE Error ellipse: s-maj=11.7km s-min=10.0km az=-1.0.
ISC X 02 14 41 31.8–1.3 25.73S–.04 27.62E–.04 6–12 22 1-5
PRE X 02 14 41 31.6–2.0 25.71S 27.62E 2 2.5L **¶603822721**
ISC Event type ke.
PRE Error ellipse: s-maj=4.6km s-min=3.5km az=-1.0.
ISC X 03 13 13 06.1–1.1 26.40S–.03 27.28E–.03 7–7 3.8b 64 0-149
EAF X 03 13 13 03.8–2.2 25.47S 24.38E 0–749 3.6 **¶601996947**
BUL X 03 13 13 04.3–2.6 25.44S 24.18E 0–719 3.6
ISCJB X 03 13 13 05.9–.52 26.47S–.03 27.34E–.03 9–4 3.9b
PRE X 03 13 13 06.2–1.6 26.47S 27.35E 2 3.6L
IDC X 03 13 13 06.5–1.0 26.39S 27.15E 0 4.2,4.2L
ISC Event type ke.
EAF Error ellipse: s-maj=293.7km s-min=999.9km az=-1.0.
BUL Error ellipse: s-maj=220.8km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=42.6.
PRE Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=32.2km s-min=13.8km az=113.0.
PRE X 11 20 34 28.4–1.2 26.42S 27.40E 2 2.4L
EAF X 11 20 35 07.8–.95 28.15S 25.09E 10 2.9 **¶603822741**
PRE Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
EAF Error ellipse: s-maj=62.8km s-min=999.9km az=-1.0.
PRE X 22 14 12 40.4–1.2 26.14S 27.96E 2 1.9L
¶603822775
PRE Error ellipse: s-maj=3.4km s-min=3.3km az=-1.0.
ISC X 24 22 52 07.8–3.7 27.2S–.10 25.2E–.70 10 12 1-8
BUL X 24 22 52 04.6–1.3 28.54S 27.32E 38 3.7 **¶601999536**
EAF X 24 22 52 05.0–1.0 28.39S 27.22E 38 3.7
ISCJB X 24 22 52 06.8–2.8 27.1S–.10 25.2E–.60 10 3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 11 37 54.6–1.2 25.92S–.05 29.47E–.06 10 14 2-6
BUL X 29 11 37 51.8–1.4 24.00S 23.46E 0–275 3.5 **¶605136408**
EAF X 29 11 37 51.8–1.2 26.09S 29.81E 0–253 3.5
ISC Event type ke.
BUL Error ellipse: s-maj=120.1km s-min=429.0km az=-1.0.
EAF Error ellipse: s-maj=150.5km s-min=398.2km az=-1.0.
ISC X 29 14 01 16.3–1.3 25.80S–.05 29.81E–.06 10 14 2-6
ISCJB X 29 14 01 14.9–.77 25.77S–.05 29.72E–.06 10 **¶602000289**
EAF X 29 14 01 14.2–1.6 25.96S 30.06E 266–999 3.8
BUL X 29 14 01 14.1–1.9 26.13S 30.64E 38–999 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=7.1km az=176.3.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
BUL Error ellipse: s-maj=298.5km s-min=550.3km az=-1.0.
ISC X 31 01 15 03.1–1.2 26.45S–.03 27.44E–.04 4–10 26 0-6
BUL X 31 01 14 57.6–2.5 25.38S 23.76E 0–999 3.7 **¶603822798**
EAF X 31 01 14 57.0–2.1 25.40S 23.93E 0–420 3.7
ISCJB X 31 01 15 02.8–.64 26.44S–.03 27.44E–.04 3–6 3.7
PRE X 31 01 15 03.0–2.0 26.46S 27.45E 2 2.1L
ISC Event type ke.
BUL Error ellipse: s-maj=305.9km s-min=999.9km az=-1.0.
EAF Error ellipse: s-maj=118.5km s-min=745.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=135.7.
PRE Error ellipse: s-maj=3.6km s-min=3.7km az=-1.0.
ISC XI 01 14 18 01.8–1.0 26.87S–.04 26.63E–.03 10–8 43 0-9
ISCJB XI 01 14 18 01.9–.67 26.97S–.03 26.64E–.03 13–4 **¶602035783**
PRE XI 01 14 18 01.5–1.6 26.91S 26.63E 2 3.3L
EAF XI 01 14 18 03.5–1.9 27.51S 27.87E 66 3.5
BUL XI 01 14 18 05.1–.90 26.29S 24.92E 0–352 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=42.3.
PRE Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
EAF Error ellipse: s-maj=26.7km s-min=30.5km az=-1.0.
BUL Error ellipse: s-maj=171.8km s-min=999.9km az=-1.0.
ISC XI 06 05 07 03.6–.89 28.07S–.04 26.87E–.05 10 34 1-8
ISCJB XI 06 05 07 03.6–.60 28.13S–.04 26.84E–.05 10 **¶603822870**
PRE XI 06 05 07 03.4–1.1 28.10S 26.81E 2 2.8L
EAF XI 06 05 07 08.2–.56 27.95S 26.77E 0–607 4.0
BUL XI 06 05 07 08.3–.73 27.29S 24.40E 0–621 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=32.8.
PRE Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
EAF Error ellipse: s-maj=701.1km s-min=680.1km az=-1.0.
BUL Error ellipse: s-maj=39.1km s-min=999.9km az=-1.0.
ISC XI 17 18 24 41.8–.90 27.91S–.07 26.80E–.06 7 22 2-8
ISCJB XI 17 18 24 40.9–.74 28.00S–.07 26.78E–.09 7 **¶602035303**
PRE XI 17 18 24 42.8–1.3 28.11S 26.74E 2 2.5L
EAF XI 17 18 24 46.0–.88 27.95S 26.79E 10 4.0
BUL XI 17 18 24 46.0–1.1 28.12S 26.95E 10 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.4km az=40.6.
PRE Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
EAF Error ellipse: s-maj=14.0km s-min=18.0km az=-1.0.
BUL Error ellipse: s-maj=13.7km s-min=17.5km az=-1.0.
ISC XI 23 21 19 17.9–2.4 28.06S–.04 26.86E–.06 8–17 29 2-8
PRE XI 23 21 19 18.8–1.1 28.04S 26.66E 2 2.5L **¶603823061**
EAF XI 23 21 19 18.8–1.8 28.14S 26.99E 0–999 3.8
BUL XI 23 21 19 18.2–2.4 27.31S 24.05E 0–999 3.8
ISC Event type ke.
PRE Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
BUL Error ellipse: s-maj=349.7km s-min=999.9km az=-1.0.
ISC XI 26 01 37 45.5–1.5 26.91S–.03 26.76E–.03 6–12 34 1-7
PRE XI 26 01 37 45.2–1.7 26.90S 26.75E 2 2.6L **¶602035314**
EAF XI 26 01 37 45.6–.46 27.59S 27.86E 66 4.0
BUL XI 26 01 37 45.5–.51 27.71S 27.99E 65 4.0
ISC Event type ke.
PRE Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
EAF Error ellipse: s-maj=6.3km s-min=7.0km az=-1.0.
BUL Error ellipse: s-maj=5.4km s-min=5.8km az=-1.0.
ISC XII 03 11 30 24.8–1.0 26.50S–.03 27.58E–.04 9–8 30 0-6
ISCJB XII 03 11 30 25.2–.57 26.49S–.03 27.61E–.04 8–4 **¶602330024**
PRE XII 03 11 30 25.2–1.7 26.49S 27.60E 2 2.9L
EAF XII 03 11 30 29.3–2.1 26.26S 26.87E 10–458 3.9
BUL XII 03 11 30 29.1–2.3 26.83S 27.98E 84–999 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=31.5.
PRE Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
BUL Error ellipse: s-maj=865.2km s-min=999.9km az=-1.0.
ISC XII 04 04 34 10.4–1.3 26.43S–.04 27.39E–.05 5–11 37 0-9
EAF XII 04 04 34 06.7–2.0 25.34S 24.11E 0–696 4.0 **¶605247046**
BUL XII 04 04 34 07.1–2.5 25.31S 23.91E 0–686 4.0
PRE XII 04 04 34 10.7–1.5 26.45S 27.44E 2 2.6L
ISC Event type ke.
EAF Error ellipse: s-maj=237.1km s-min=999.9km az=-1.0.
BUL Error ellipse: s-maj=182.1km s-min=999.9km az=-1.0.
PRE Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
ISC XII 04 14 54 24.4–1.1 25.69S–.07 28.76E–.07 10 13 3-12
IDC XII 04 14 54 20.4–3.5 25.68S 29.05E 0 3.2,3.2 **¶602390456**
ISCJB XII 04 14 54 23.3–1.1 25.61S–.08 28.69E–.08 10 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC XII 09 06 57 35.1–2.1 26.16S–.05 28.4E–.20 5–13 14 0-4
PRE XII 09 06 57 36.5–2.2 26.10S 28.21E 2 1.9L **¶602330397**
ISC Event type ke.
PRE Error ellipse: s-maj=4.0km s-min=7.4km az=-1.0.
IDC XII 13 15 51 00.8–6.3 25.98S 28.78E 0 2.4,2.4
¶602391273
IDC Error ellipse: s-maj=46.2km s-min=28.4km az=80.0.
PRE XII 14 14 27 50.3–1.4 25.73S 27.57E 2 2.6L
¶605247106
PRE Error ellipse: s-maj=3.9km s-min=2.5km az=-1.0.
ISC XII 21 00 57 31.4–1.1 28.09S–.08 27.01E–.07 7 26 2-8
PRE XII 21 00 57 34.5–1.8 28.00S 26.68E 2 2.4L **¶602326623**
EAF XII 21 00 57 37.6–.94 28.28S 27.10E 56 4.0
BUL XII 21 00 57 37.7–1.2 28.37S 27.17E 44 4.0
ISC Event type ke.
PRE Error ellipse: s-maj=4.8km s-min=6.6km az=-1.0.
EAF Error ellipse: s-maj=14.4km s-min=12.2km az=-1.0.
BUL Error ellipse: s-maj=14.4km s-min=11.6km az=-1.0.
ISC XII 25 15 30 09.8–1.1 26.43S–.03 27.55E–.03 5–8 4.0b 55 1-149

ISCJB XII 25 15 30 08.9–.79 26.46S–.03 27.56E–.04 7–6 4.0b ¶602380594
PRE XII 25 15 30 09.2–1.8 26.46S 27.59E 2 3.4L
IDC XII 25 15 30 10.5–.94 26.45S 27.49E 0 4.2,4.2
EAF XII 25 15 30 12.2–.47 26.39S 27.47E 7–114 3.7,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=38.1.
PRE Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=17.2km s-min=13.6km az=83.0.
EAF Error ellipse: s-maj=155.2km s-min=362.4km az=-1.0.
ISC XII 31 15 54 15.1–.91 26.45S–.04 27.60E–.04 9–6 3.9b 38 0-149
ISCJB XII 31 15 54 14.4–.53 26.48S–.04 27.61E–.04 10–4 3.8b,3.7s ¶602380500
PRE XII 31 15 54 14.4–2.2 26.50S 27.61E 2 3.2L,3.7s
IDC XII 31 15 54 15.1–1.2 26.35S 27.56E 0 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=40.7.
PRE Error ellipse: s-maj=4.2km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=18.2km az=74.0.

(585) Lesotho.

ISC XI 10 20 46 42.9–1.0 29.98S–.05 27.91E–.04 14 42 1-10
EAF XI 10 20 46 40.2–1.5 30.34S 28.15E 0–999 4.2 ¶603822920
ISCJB XI 10 20 46 42.8–.44 29.96S–.03 27.82E–.04 14 4.2
PRE XI 10 20 46 42.5–1.6 29.96S 27.87E 5 2.9L
ISC Event type ke.
EAF Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=20.4.
PRE Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.

(743) Western Sahara.

IDC VII 21 12 34 10.4–8.3 22.28N 13.31W 0 3.6L,3.5
¶601664920
IDC Error ellipse: s-maj=132.3km s-min=69.0km az=36.0.

(744) Mauritania.

IDC VII 05 14 30 17.7–3.2 22.77N 11.97W 0 3.6,3.6
¶601663512
IDC Error ellipse: s-maj=115.5km s-min=62.7km az=66.0.
IDC VII 15 14 44 29.1–8.1 22.88N 11.83W 0 3.7,3.7L
¶601664633
IDC Error ellipse: s-maj=194.8km s-min=36.2km az=71.0.
ISC VII 18 15 59 17.1–2.6 23.1N–.20 11.0W–.50 10 3.7b 8 11-148
IDC VII 18 15 59 10.9–2.7 22.90N 12.02W 0 3.8,3.8 ¶601664792
ISCJB VII 18 15 59 14.9–4.5 23.0N–.30 11.0W–.80 10 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 21 13 38 08.0–2.2 22.8N–.20 11.6W–.30 10 7 11-148
IDC VII 21 13 38 05.1–2.5 22.79N 12.06W 0 4.0L,3.8 ¶601664922
ISC Event type ke.
IDC Error ellipse: s-maj=78.2km s-min=31.1km az=79.0.
ISC VIII 21 13 05 09.6–1.2 22.6N–.20 12.4W–.20 10 3.7b 16 11-149
ISCJB VIII 21 13 05 09.0–1.3 22.7N–.10 12.2W–.20 10 3.7b,3.0s ¶601653001
NEIC VIII 21 13 05 10.4–.98 22.65N 12.29W 10 4.1b,3.0s
IDC VIII 21 13 05 11.3–3.2 22.79N 11.83W 0 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=9.8km az=149.5.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=13.3km az=64.0.
IDC Error ellipse: s-maj=110.1km s-min=34.5km az=82.0.
IDC IX 09 18 43 33.5–3.2 22.90N 12.46W 0 3.4b,3.3
¶601863249
IDC Error ellipse: s-maj=114.9km s-min=61.7km az=69.0.
IDC X 13 14 58 16.9–6.9 22.76N 11.75W 0 3.7b,3.6
¶601998130
IDC Error ellipse: s-maj=163.9km s-min=42.4km az=58.0.
ISC XI 01 18 00 09.1–1.6 22.83N–.06 11.8W–.20 10 3.7b 11 8-149
ISCJB XI 01 18 00 07.2–1.6 22.72N–.09 12.0W–.20 10 3.6b ¶602388686
IDC XI 01 18 00 07.5–2.3 22.75N 11.98W 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=10.7km az=161.7.
IDC Error ellipse: s-maj=64.0km s-min=31.7km az=82.0.
IDC XI 11 12 51 01.6–4.0 22.81N 11.41W 0 3.6b,3.4
¶602389221
IDC Error ellipse: s-maj=113.4km s-min=45.5km az=61.0.
ISC XI 17 15 40 15.1–2.3 23.0N–.20 11.9W–.30 10 3.7b 9 8-149
IDC XI 17 15 40 13.7–2.6 22.94N 11.85W 0 3.8,3.7b ¶602389571
ISC Event type ke.
IDC Error ellipse: s-maj=77.7km s-min=35.8km az=75.0.
ISC XII 01 16 42 17.1–1.1 22.6N–.10 12.0W–.20 10 3.8b 16 16-149
ISCJB XII 01 16 42 15.7–.98 22.7N–.10 12.2W–.20 10 3.6b ¶602390287
IDC XII 01 16 42 17.1–1.5 22.99N 12.30W 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.9km s-min=13.8km az=158.4.
IDC Error ellipse: s-maj=41.9km s-min=35.3km az=159.0.
IDC XII 13 12 40 50.9–2.9 22.93N 11.33W 0 3.8,3.8b
¶602391264
IDC Error ellipse: s-maj=101.0km s-min=32.5km az=82.0.
ISC XII 20 15 30 40.4–1.5 22.63N–.07 11.8W–.20 10 3.9b 12 8-148
IDC XII 20 15 30 39.1–2.1 22.87N 11.97W 0 4.0,4.0b ¶602391738
ISC Event type ke.
IDC Error ellipse: s-maj=62.3km s-min=26.8km az=74.0.
ISC XII 25 12 06 39.4–1.8 22.8N–.20 11.9W–.30 10 3.7b 8 16-149
ISCJB XII 25 12 06 37.2–1.7 22.8N–.10 12.0W–.20 10 3.8b ¶602380584
IDC XII 25 12 06 39.0–2.5 22.83N 11.73W 0 3.8,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.1km s-min=12.6km az=150.5.
IDC Error ellipse: s-maj=77.2km s-min=29.3km az=79.0.

(747) Guinea region.

ISC VIII 06 14 29 20.8–1.0 9.05N–.08 8.40W–.09 10 3.9b 21 4-142
IDC VIII 06 14 29 19.8–1.9 9.33N 8.84W 0 3.8,3.8b ¶601564303
NEIC VIII 06 14 29 21.5–.82 9.34N 8.74W 10 4.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=32.6km az=80.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.7km az=115.0.
ISC VIII 06 14 29 32.8–1.5 9.0N–.10 8.5W–.10 10 4.0b 11 4-143
IDC VIII 06 14 29 32.6–2.0 9.32N 8.86W 0 3.9,3.9 ¶601765560
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=20.3km az=49.0.
ISC VIII 23 22 03 51.2–.72 11.76N–.08 13.08W–.09 10 4.1b,3.1s 57 9-149
IDC VIII 23 22 03 48.8–.80 11.80N 13.35W 0 5.3L,4.2 ¶601615610
ISCJB VIII 23 22 03 50.1–.64 11.82N–.06 12.97W–.08 10 4.1b,3.2s
NEIC VIII 23 22 03 50.4–.46 11.80N 13.33W 10 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=14.2km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.5km az=151.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.9km az=80.0.

SEISMIC REGION 38.
Australia.

(590) Western Australia.

ISC VII 18 09 20 51.4–1.3 30.25S–.04 118.09E–.04 25–12 24 1-20
AUST VII 18 09 20 55.3–.01 30.43S 117.79E 2 ¶601404426
IDC VII 18 09 21 02.2–9.7 29.73S 118.91E 0 4.1,3.9
ISC Event type ke.
AUST Error ellipse: s-maj=0.4km s-min=0.1km az=269.0.
IDC Error ellipse: s-maj=128.4km s-min=63.9km az=115.0.
IDC IX 12 05 00 11.5–1.9 16.59S 128.47E 0 3.5b,3.0
¶601863399
IDC Error ellipse: s-maj=110.0km s-min=29.0km az=48.0.
AUST X 07 03 20 28.0–.00 27.77S 120.63E 0
¶601883138
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=303.0.
ISC X 12 19 27 15.1–.78 22.79S–.05 127.70E–.05 10 25 2-15
ISCJB X 12 19 27 12.8–.46 22.83S–.04 127.65E–.04 10 ¶601881229
IDC X 12 19 27 14.0–2.5 22.89S 127.68E 0 3.8,3.7
AUST X 12 19 27 14.1–.00 22.88S 127.68E 10 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=157.5.
IDC Error ellipse: s-maj=35.6km s-min=28.5km az=26.0.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=329.0.
ISC XI 08 03 56 55.4–.83 29.86S–.07 127.04E–.06 10 20 1-13
ISCJB XI 08 03 56 54.1–.56 29.82S–.05 126.93E–.05 10 ¶602389015
AUST XI 08 03 56 55.5–.42 29.90S 126.99E 0
IDC XI 08 03 56 56.1–2.5 29.76S 127.12E 0 4.3,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.5km az=17.9.
AUST Error ellipse: s-maj=6.0km s-min=4.2km az=36.0.
IDC Error ellipse: s-maj=32.9km s-min=23.0km az=152.0.
ISC XI 21 06 21 39.3–.66 22.99S–.05 128.60E–.05 10 23 2-73
ISCJB XI 21 06 21 36.4–.58 23.01S–.04 128.56E–.05 10 3.8b ¶602389772
IDC XI 21 06 21 39.1–2.0 23.22S 128.59E 0 3.9,3.8
AUST XI 21 06 21 44.8–.01 22.97S 128.60E 10 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.6km az=159.3.
IDC Error ellipse: s-maj=35.0km s-min=26.9km az=177.0.
AUST Error ellipse: s-maj=0.5km s-min=0.1km az=8.0.
ISC XI 28 22 35 21.6–.50 27.79S–.05 126.09E–.05 35 4.0b 72 3-91
ISCJB XI 28 22 35 19.4–.36 27.74S–.04 125.96E–.04 35 4.3s,3.9b ¶602778770
AUST XI 28 22 35 21.6–.00 27.76S 125.94E 0 4.3s,3.9b
IDC XI 28 22 35 21.3–.71 27.79S 126.16E 22–4 4.2L,4.0
NEIC XI 28 22 35 22.0–.00 27.76S 125.94E 0 4.2b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.0km az=140.2.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=347.0.
IDC Error ellipse: s-maj=23.4km s-min=14.2km az=86.0.
NEIC Event type se. After AUST.
ISC XII 01 17 19 03.8–.81 16.10S–.06 127.63E–.05 10 17 1-75
ISCJB XII 01 17 19 02.5–.62 16.08S–.06 127.71E–.07 10 3.0b ¶602390289
IDC XII 01 17 19 03.3–1.4 16.03S 127.70E 0 3.8,3.7
AUST XII 01 17 19 07.8–.00 16.20S 127.66E 10 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.8km az=150.4.
IDC Error ellipse: s-maj=39.1km s-min=21.4km az=53.0.
AUST Error ellipse: s-maj=0.3km s-min=0.1km az=329.0.
IDC XII 01 21 46 21.4–4.4 14.91S 128.66E 0 3.7,3.5
¶602390299
IDC Error ellipse: s-maj=44.4km s-min=21.9km az=170.0.
IDC XII 18 20 30 38.4–3.0 22.70S 128.88E 0 3.1,3.0
¶602391626
IDC Error ellipse: s-maj=32.9km s-min=19.5km az=31.0.
ISC XII 28 12 04 42.5–1.5 24.30S–.07 112.7E–.10 10 22 2-147
IDC XII 28 12 04 38.9–2.4 23.71S 112.19E 0 3.8,3.7 ¶602380774
ISCJB XII 28 12 04 43.1–1.3 24.50S–.04 112.8E–.10 10 3.6b,3.7
AUST XII 28 12 04 43.8–.08 24.34S 112.40E 3–1 3.6b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=75.1km s-min=43.1km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.2km az=14.7.
AUST Error ellipse: s-maj=2.1km s-min=0.5km az=284.0.

(591) Northern Territory.

IDC VII 01 11 18 14.9–2.5 25.99S 132.17E 0 3.8,3.7
¶601663357
IDC Error ellipse: s-maj=24.4km s-min=19.9km az=122.0.
IDC VII 20 20 34 33.2–1.9 20.01S 134.51E 0 3.8,3.8
¶601664883
IDC Error ellipse: s-maj=14.4km s-min=2.3km az=111.0.
IDC VIII 30 06 18 07.1–6.4 23.57S 131.43E 0 4.0,4.0
¶601755600
IDC Error ellipse: s-maj=68.6km s-min=28.6km az=88.0.
ISC IX 14 17 09 59.6–.75 21.16S–.06 129.56E–.04 10 26 4-16
ISCJB IX 14 17 09 58.2–.50 21.02S–.05 129.51E–.04 10 ¶601863538
IDC IX 14 17 10 01.6–2.7 21.14S 129.54E 0 3.3,3.2
AUST IX 14 17 10 04.0–.01 20.95S 129.48E 5 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=14.0.
IDC Error ellipse: s-maj=42.2km s-min=24.9km az=33.0.
AUST Error ellipse: s-maj=0.3km s-min=0.1km az=347.0.
ISC IX 27 15 56 54.5–.83 19.77S–.06 133.99E–.06 12 25 0-14
ISCJB IX 27 15 56 52.9–.47 19.69S–.04 133.98E–.05 12 ¶601864288
AUST IX 27 15 56 53.7–.08 19.70S 133.99E 0–0
IDC IX 27 15 56 55.2–1.8 19.94S 133.97E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.5km az=136.5.
AUST Error ellipse: s-maj=0.6km s-min=0.1km az=259.0.
IDC Error ellipse: s-maj=10.5km s-min=6.1km az=97.0.
ISC X 13 13 57 40.6–.91 19.79S–.07 133.82E–.07 12 22 1-14
ISCJB X 13 13 57 39.8–.62 19.76S–.05 133.86E–.05 12 ¶601881231
AUST X 13 13 57 41.5–.03 19.77S 133.90E 0–0
IDC X 13 13 57 41.3–1.9 19.87S 133.89E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.1km az=12.7.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=261.0.
IDC Error ellipse: s-maj=12.0km s-min=4.1km az=102.0.
IDC XI 10 04 35 28.4–5.0 18.88S 137.91E 0 3.2,3.1
¶602389133
IDC Error ellipse: s-maj=42.3km s-min=31.9km az=51.0.
ISC XII 14 04 14 54.6–.73 19.92S–.06 133.84E–.06 12 24 0-85
ISCJB XII 14 04 14 52.1–.55 19.89S–.05 133.80E–.04 12 3.9b ¶602391299
IDC XII 14 04 14 54.6–1.2 20.10S 133.88E 0 4.1L,4.0
AUST XII 14 04 14 55.1–.01 19.83S 133.82E 11–0 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=27.7.
IDC Error ellipse: s-maj=17.7km s-min=8.9km az=155.0.
AUST Error ellipse: s-maj=0.3km s-min=0.1km az=234.0.

(592) South Australia.

ISC VII 01 16 17 52.6–.00 31.56S–.07 138.78E–.05 10 14 2-12
ISCJB VII 01 16 17 50.6–.61 31.49S–.05 138.78E–.05 10 ¶601624920
AUST VII 01 16 17 51.8–.00 31.57S 138.81E 10
IDC VII 01 16 17 53.5–4.9 31.38S 138.86E 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=33.8.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=5.0.
IDC Error ellipse: s-maj=87.2km s-min=17.4km az=31.0.
IDC VII 10 05 38 59.9–6.1 31.42S 137.88E 0 3.0,3.0
¶601664372
IDC Error ellipse: s-maj=97.7km s-min=19.5km az=30.0.
IDC VII 12 06 15 20.1–2.8 30.33S 138.29E 0 3.5,3.3
¶601664469
IDC Error ellipse: s-maj=67.9km s-min=14.9km az=42.0.
IDC VII 17 06 15 00.3–3.3 30.18S 138.56E 0 3.2,3.1
¶601664707
IDC Error ellipse: s-maj=95.7km s-min=15.8km az=44.0.
IDC VII 25 06 15 01.0–3.6 30.25S 138.58E 0 3.0,3.0
¶601666406
IDC Error ellipse: s-maj=100.3km s-min=16.5km az=43.0.
IDC VII 26 06 14 57.0–1.9 30.48S 138.30E 0 3.1,3.1
¶601666462
IDC Error ellipse: s-maj=61.4km s-min=15.6km az=38.0.
IDC VIII 07 06 15 01.2–4.9 30.37S 138.46E 18–33 3.2,3.1
¶601765592
IDC Error ellipse: s-maj=85.2km s-min=20.0km az=43.0.

AUST VIII 19 16 27 18.9–.38 27.60S 135.32E 10

AUST Error ellipse: s-maj=5.8km s-min=4.6km az=66.0.
IDC VIII 23 06 15 00.3–3.5 30.36S 138.36E 0 3.2,3.1

IDC Error ellipse: s-maj=87.9km s-min=16.5km az=42.0.
IDC VIII 28 06 14 58.5–3.2 30.25S 138.46E 0 3.1,3.0

IDC Error ellipse: s-maj=79.3km s-min=15.2km az=44.0.
IDC IX 03 06 15 06.6–3.2 29.98S 138.74E 0 3.0,3.0

IDC Error ellipse: s-maj=112.7km s-min=19.0km az=49.0.
IDC IX 10 06 14 58.6–4.0 30.48S 138.24E 0 3.2,3.2

IDC Error ellipse: s-maj=94.3km s-min=16.1km az=41.0.
ISC IX 11 07 13 29.2–.96 26.11S–.06 132.13E–.07 10
AUST IX 11 07 13 29.3–.00 26.11S 132.02E 0
IDC IX 11 07 13 29.6–4.0 26.03S 132.10E 0 3.6,3.4
ISC Event type ke.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=305.0.
IDC Error ellipse: s-maj=38.0km s-min=25.6km az=82.0.
IDC IX 12 08 07 31.1–4.5 26.09S 132.32E 0 3.4,3.3

IDC Error ellipse: s-maj=58.4km s-min=26.0km az=96.0.
IDC IX 18 06 14 59.4–2.8 30.42S 138.17E 0 3.3,3.2

IDC Error ellipse: s-maj=62.6km s-min=15.0km az=41.0.
IDC IX 20 06 15 01.7–3.0 30.25S 138.51E 0 3.0,3.0

IDC Error ellipse: s-maj=77.7km s-min=15.8km az=43.0.
IDC IX 24 06 15 00.2–3.2 30.28S 138.46E 0 3.0,3.0

IDC Error ellipse: s-maj=75.7km s-min=15.2km az=44.0.
ISC IX 26 05 22 32.9–1.1 26.11S–.07 132.13E–.08 10
ISCJB IX 26 05 22 30.4–.88 26.19S–.05 131.98E–.10 10
IDC IX 26 05 22 31.8–3.6 26.15S 132.04E 0 3.6,3.4
AUST IX 26 05 22 34.8–.12 26.05S 132.16E 13–1 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.3km az=179.7.
IDC Error ellipse: s-maj=44.7km s-min=29.9km az=49.0.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=246.0.
IDC X 02 06 14 59.1–3.1 30.16S 138.53E 0 3.5,3.3

IDC Error ellipse: s-maj=66.1km s-min=20.4km az=49.0.
IDC X 03 06 14 59.2–3.2 30.16S 138.59E 0 3.0,3.0

IDC Error ellipse: s-maj=90.1km s-min=18.2km az=47.0.
IDC X 23 05 15 00.3–3.3 30.34S 138.43E 0 2.9,2.9

IDC Error ellipse: s-maj=71.9km s-min=15.9km az=43.0.
IDC XI 02 05 14 57.5–3.6 30.28S 138.41E 0 2.9,2.8

IDC Error ellipse: s-maj=84.2km s-min=16.0km az=43.0.
IDC XI 05 05 14 56.7–4.2 30.29S 138.57E 0 3.0,3.0

IDC Error ellipse: s-maj=127.3km s-min=17.6km az=43.0.
IDC XI 06 05 14 54.4–2.4 30.13S 138.61E 0 3.3,3.3

IDC Error ellipse: s-maj=68.4km s-min=14.4km az=44.0.
IDC XI 09 18 50 37.2–4.0 29.99S 137.29E 0 3.0,3.0

IDC Error ellipse: s-maj=82.2km s-min=22.8km az=47.0.
IDC XI 14 08 15 13.6–4.3 27.64S 140.88E 0 3.0,3.0

IDC Error ellipse: s-maj=85.2km s-min=19.7km az=65.0.
IDC XI 15 05 14 59.7–3.4 30.29S 138.45E 0 2.9,2.9

IDC Error ellipse: s-maj=89.3km s-min=15.9km az=43.0.
IDC XI 18 05 15 00.9–4.2 30.25S 138.53E 0 3.0,3.0

IDC Error ellipse: s-maj=115.9km s-min=17.0km az=43.0.
IDC XI 20 05 14 58.0–2.9 30.21S 138.51E 0 3.2,3.1

IDC Error ellipse: s-maj=68.1km s-min=15.0km az=45.0.
ISC XI 20 19 12 49.5–.90 27.81S–.06 140.69E–.06 10
ISCJB XI 20 19 12 47.9–.51 27.82S–.04 140.62E–.05 10
IDC XI 20 19 12 47.3–4.1 27.61S 141.13E 0 3.4,3.3
AUST XI 20 19 12 50.5–.07 27.82S 140.66E 18–0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.7km az=39.4.
IDC Error ellipse: s-maj=68.4km s-min=19.0km az=64.0.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=242.0.
ISC XI 21 12 17 19.8–.81 27.77S–.05 140.81E–.06 10
ISCJB XI 21 12 17 18.2–.55 27.82S–.04 140.83E–.05 10
AUST XI 21 12 17 19.5–.00 27.76S 140.85E 10
IDC XI 21 12 17 20.3–2.0 27.72S 140.73E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=163.8.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=16.0.
IDC Error ellipse: s-maj=34.1km s-min=15.5km az=65.0.
IDC XI 22 02 34 15.8–5.2 27.70S 140.78E 0 3.2,3.1

IDC Error ellipse: s-maj=103.7km s-min=19.6km az=65.0.
ISC XI 22 02 48 38.0–1.0 27.72S–.06 140.85E–.08 10
ISCJB XI 22 02 48 36.3–.75 27.77S–.05 140.75E–.07 10
AUST XI 22 02 48 38.1–.01 27.78S 140.92E 10
IDC XI 22 02 48 39.1–4.6 27.63S 140.77E 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.7km az=147.1.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=19.0.
IDC Error ellipse: s-maj=87.5km s-min=19.5km az=66.0.
IDC XI 23 09 58 05.9–3.9 27.17S 140.88E 0 3.7,3.5

IDC Error ellipse: s-maj=72.5km s-min=23.1km az=62.0.
ISC XI 23 17 03 58.1–.90 28.55S–.06 137.83E–.08 10
ISCJB XI 23 17 03 56.4–.64 28.61S–.05 137.79E–.08 10
AUST XI 23 17 03 58.5–.00 28.60S 137.80E 10
IDC XI 23 17 03 59.6–1.9 28.54S 137.75E 0 3.0,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.3km az=154.5.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=233.0.
IDC Error ellipse: s-maj=92.0km s-min=17.2km az=51.0.
ISC XI 25 15 06 52.6–.81 27.79S–.05 140.83E–.05 10
ISCJB XI 25 15 06 52.2–.62 27.88S–.04 140.63E–.05 10
IDC XI 25 15 06 53.7–4.5 27.60S 140.94E 0 3.3,3.2
AUST XI 25 15 06 55.7–.01 27.97S 140.82E 10 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.0km az=139.9.
IDC Error ellipse: s-maj=98.4km s-min=18.4km az=66.0.
AUST Error ellipse: s-maj=0.3km s-min=0.1km az=325.0.
ISC XI 27 04 26 07.7–.89 27.68S–.07 140.88E–.06 10
IDC XI 27 04 26 06.3–5.8 27.59S 141.23E 0 3.1,3.1
ISCJB XI 27 04 26 07.8–.68 27.80S–.06 140.68E–.06 10 3.1,3.1
AUST XI 27 04 26 08.6–.01 27.82S 140.62E 0 3.1,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=119.9km s-min=21.6km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.4km az=32.3.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=339.0.
ISC XI 27 07 13 08.1–.81 27.80S–.05 140.73E–.06 10
ISCJB XI 27 07 13 06.5–.47 27.80S–.03 140.67E–.05 10
AUST XI 27 07 13 07.5–.01 27.79S 140.75E 0

¶601882979

¶601766340

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¶601862840

¶601863283

38 3-12
¶601863338

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¶601863747

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¶601864080

20 3-11
¶601864189

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¶602388704

¶602388840

¶602388899

¶602389107

¶602389382

¶602389433

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¶602389750

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¶602389786

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13 3-10
¶602389816

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19 5-124
¶602389901

16 3-17
¶602389978

14 3-10
¶602390036

26 3-17
¶602390044

IDC XI 27 07 13 09.3–1.9 27.88S 140.51E 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=177.1.
AUST Error ellipse: s-maj=0.4km s-min=0.2km az=250.0.
IDC Error ellipse: s-maj=27.1km s-min=16.4km az=66.0.
ISC XI 27 08 02 58.7–.79 27.76S–.05 140.66E–.06 10 23 3-17
ISCJB XI 27 08 02 57.1–.49 27.83S–.04 140.69E–.05 10 ¶602778761
IDC XI 27 08 02 58.7–1.9 27.81S 140.72E 0 3.6,3.5
AUST XI 27 08 02 59.8–.04 27.84S 140.71E 5 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=157.4.
IDC Error ellipse: s-maj=37.7km s-min=16.1km az=69.0.
AUST Error ellipse: s-maj=1.3km s-min=0.9km az=276.0.
IDC XI 28 12 26 26.9–3.9 27.18S 140.80E 0 3.3,3.2
¶602390119

IDC Error ellipse: s-maj=73.7km s-min=22.9km az=62.0.
ISC XI 28 16 46 36.8–.87 27.75S–.06 140.87E–.06 10 16 3-12
ISCJB XI 28 16 46 36.6–.60 27.86S–.04 140.66E–.05 10 ¶602390128
IDC XI 28 16 46 36.9–4.0 27.60S 141.08E 0 3.2,3.1
AUST XI 28 16 46 38.5–.00 27.87S 140.66E 10 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.0km az=146.6.
IDC Error ellipse: s-maj=67.3km s-min=17.9km az=63.0.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=4.0.
ISC XI 28 17 09 29.0–.88 27.76S–.05 140.65E–.06 10 20 3-17
ISCJB XI 28 17 09 26.9–.58 27.84S–.04 140.64E–.05 10 ¶602390129
IDC XI 28 17 09 27.0–3.7 27.65S 140.99E 0 3.5,3.4
AUST XI 28 17 09 29.1–.00 27.83S 140.70E 10 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.0km az=171.8.
IDC Error ellipse: s-maj=67.0km s-min=15.8km az=63.0.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=298.0.
ISC XI 29 03 57 10.8–.89 27.79S–.05 140.64E–.06 10 16 3-10
ISCJB XI 29 03 57 09.7–.64 27.84S–.05 140.64E–.06 10 ¶602390146
AUST XI 29 03 57 10.4–.00 27.83S 140.61E 0
IDC XI 29 03 57 14.2–4.5 26.99S 140.98E 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=7.6km az=6.6.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=309.0.
IDC Error ellipse: s-maj=92.3km s-min=29.6km az=62.0.
ISC XI 29 05 15 01.1–.93 30.35S–.07 138.34E–.06 10 13 3-11
ISCJB XI 29 05 14 58.9–.64 30.28S–.04 138.34E–.07 10 ¶602390149
AUST XI 29 05 14 59.8–.56 30.39S 138.37E 0
IDC XI 29 05 15 00.6–2.8 30.19S 138.53E 0 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=156.0.
AUST Error ellipse: s-maj=6.3km s-min=5.1km az=171.0.
IDC Error ellipse: s-maj=66.2km s-min=13.6km az=45.0.
ISC XI 29 08 55 36.3–1.1 27.81S–.07 140.71E–.08 10 14 3-10
ISCJB XI 29 08 55 34.5–.63 27.84S–.05 140.61E–.08 10 ¶602390160
IDC XI 29 08 55 34.3–5.5 27.66S 141.04E 0 2.9,2.9
AUST XI 29 08 55 37.3–.04 27.88S 140.74E 10 2.9,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.9km az=152.0.
IDC Error ellipse: s-maj=120.6km s-min=21.4km az=69.0.
AUST Error ellipse: s-maj=1.5km s-min=1.0km az=282.0.
ISC XI 29 14 53 38.8–.79 27.70S–.06 140.85E–.06 10 18 3-91
ISCJB XI 29 14 53 37.9–.55 27.81S–.05 140.76E–.07 10 3.7b ¶602083372
IDC XI 29 14 53 37.5–2.4 27.57S 141.18E 0 4.1,3.9
AUST XI 29 14 53 41.0–40 27.83S 140.76E 14–99 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.5km az=168.3.
IDC Error ellipse: s-maj=47.0km s-min=17.4km az=65.0.
AUST Error ellipse: s-maj=1.5km s-min=0.9km az=295.0.
ISC XI 29 15 21 06.5–.90 27.73S–.06 140.76E–.07 10 19 3-17
ISCJB XI 29 15 21 04.7–.52 27.77S–.04 140.68E–.06 10 ¶602390165
IDC XI 29 15 21 06.4–2.1 27.73S 140.70E 0 3.6,3.5
AUST XI 29 15 21 07.8–.04 27.80S 140.79E 10 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.5km az=150.8.
IDC Error ellipse: s-maj=40.9km s-min=19.5km az=71.0.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=279.0.
IDC XI 29 16 02 55.5–4.4 27.57S 140.98E 0 2.9,2.9
¶602390169

IDC Error ellipse: s-maj=83.3km s-min=19.9km az=66.0.
IDC XI 29 16 18 37.5–5.6 27.63S 140.98E 0 3.2,3.1
¶602390170

IDC Error ellipse: s-maj=123.3km s-min=21.5km az=68.0.
ISC XI 29 17 03 00.3–.93 27.77S–.06 140.72E–.06 10 17 3-17
IDC XI 29 17 02 56.5–6.1 27.51S 141.39E 0 3.3,3.2 ¶602390174
ISCJB XI 29 17 02 58.7–.65 27.80S–.04 140.64E–.05 10 3.3,3.2
AUST XI 29 17 03 01.1–.01 27.87S 140.74E 10 3.3,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=118.2km s-min=20.7km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.2km az=20.3.
AUST Error ellipse: s-maj=0.3km s-min=0.1km az=319.0.
ISC XI 29 17 48 45.5–.87 27.81S–.05 140.73E–.06 10 21 3-17
ISCJB XI 29 17 48 43.8–.52 27.82S–.04 140.65E–.05 10 ¶602390177
IDC XI 29 17 48 44.7–4.1 27.67S 140.79E 0 3.5,3.4
AUST XI 29 17 48 45.6–.00 27.84S 140.76E 10 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.4km az=179.9.
IDC Error ellipse: s-maj=82.9km s-min=19.0km az=65.0.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=284.0.
ISC XI 29 18 19 23.8–.86 27.76S–.05 140.65E–.06 10 20 3-17
ISCJB XI 29 18 19 22.0–.53 27.80S–.04 140.63E–.05 10 ¶602390180
IDC XI 29 18 19 21.1–3.7 27.60S 141.00E 0 3.4,3.3
AUST XI 29 18 19 24.2–.08 27.82S 140.68E 12–0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.5km az=154.7.
IDC Error ellipse: s-maj=66.2km s-min=15.7km az=62.0.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=301.0.
ISC XI 29 19 21 19.6–.57 27.75S–.05 140.65E–.05 10 3.9b 53 3-148
ISCJB XI 29 19 21 17.1–.35 27.81S–.03 140.66E–.04 10 4.0b,3.9s ¶601995279
AUST XI 29 19 21 17.9–.00 27.76S 140.66E 5 4.0b,3.9s
IDC XI 29 19 21 19.3–1.1 27.74S 140.73E 0 4.3,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=175.3.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=230.0.
IDC Error ellipse: s-maj=32.2km s-min=21.3km az=73.0.
ISC XI 29 19 29 24.0–.78 27.76S–.05 140.63E–.06 10 23 3-17
ISCJB XI 29 19 29 23.6–.48 27.80S–.04 140.59E–.05 10 ¶602390184
AUST XI 29 19 29 25.1–.00 27.74S 140.65E 10
IDC XI 29 19 29 26.5–2.1 27.75S 140.53E 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.7km az=30.3.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=234.0.
IDC Error ellipse: s-maj=42.5km s-min=19.5km az=69.0.
ISC XI 29 19 45 35.5–.91 27.78S–.06 140.65E–.06 10 18 3-17
IDC XI 29 19 45 32.1–4.4 27.56S 141.33E 0 3.2,3.2 ¶602390186
ISCJB XI 29 19 45 33.6–.57 27.77S–.05 140.62E–.05 10 3.2,3.2
AUST XI 29 19 45 35.0–.00 27.76S 140.69E 10 3.2,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=73.1km s-min=19.1km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=35.6.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=42.0.
ISC XI 29 20 05 07.9–.90 27.79S–.06 140.67E–.07 10 14 3-10
ISCJB XI 29 20 05 06.4–.71 27.67S–.07 140.64E–.06 10 ¶602390187
AUST XI 29 20 05 07.7–.00 27.73S 140.67E 10
IDC XI 29 20 05 14.6–3.6 27.29S 140.47E 0 2.9,2.9
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.5km az=23.5.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=225.0.
IDC Error ellipse: s-maj=72.6km s-min=23.0km az=61.0.
ISC XI 29 20 31 31.1–.72 27.78S–.05 140.65E–.06 10 30 3-91
ISCJB XI 29 20 31 28.8–.43 27.82S–.03 140.57E–.05 10 3.7b,3.4s ¶602390189
AUST XI 29 20 31 30.1–.07 27.81S 140.59E 8–0 3.7b,3.4s
IDC XI 29 20 31 32.0–1.5 27.85S 140.54E 0 4.0,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=170.0.
AUST Error ellipse: s-maj=0.4km s-min=0.1km az=24.0.
IDC Error ellipse: s-maj=40.1km s-min=17.4km az=67.0.
ISC XI 29 22 08 18.7–.90 27.79S–.06 140.62E–.06 10 21 3-17
IDC XI 29 22 08 16.5–5.6 27.58S 141.10E 0 3.7,3.6L ¶602390196
ISCJB XI 29 22 08 17.0–.52 27.83S–.04 140.58E–.05 10 3.7,3.6L
AUST XI 29 22 08 18.5–.08 27.78S 140.63E 12–0 3.7,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=116.6km s-min=20.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.8km az=152.1.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=232.0.
ISC XI 29 22 26 52.8–.95 27.76S–.06 140.67E–.07 10 18 3-11
IDC XI 29 22 26 50.8–5.7 27.60S 141.11E 0 3.6,3.4 ¶602390197
ISCJB XI 29 22 26 51.0–.53 27.77S–.05 140.63E–.05 10 3.6,3.4
AUST XI 29 22 26 52.4–.00 27.76S 140.59E 10 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=120.9km s-min=21.3km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=137.8.
AUST Error ellipse: s-maj=0.1km s-min=0.1km az=261.0.
IDC XII 01 03 45 23.3–4.0 27.80S 140.73E 0 3.1,3.0
¶602390265

IDC Error ellipse: s-maj=86.6km s-min=18.9km az=66.0.
ISC XII 01 18 48 01.3–.82 27.67S–.06 140.84E–.06 10 16 3-17
ISCJB XII 01 18 47 59.5–.71 27.67S–.06 140.72E–.08 10 ¶602390292
IDC XII 01 18 48 01.5–2.1 27.65S 140.92E 0 4.1,3.9
AUST XII 01 18 48 03.8–.31 27.84S 140.68E 10 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.1km az=146.1.
IDC Error ellipse: s-maj=33.6km s-min=17.0km az=65.0.
AUST Error ellipse: s-maj=4.6km s-min=4.4km az=44.0.
IDC XII 01 21 02 30.4–4.7 29.77S 137.36E 0 2.9,2.9
¶602390297

IDC Error ellipse: s-maj=105.9km s-min=17.6km az=46.0.
IDC XII 02 05 14 56.8–3.2 30.42S 138.35E 0 3.1,3.1
¶602390327

IDC Error ellipse: s-maj=89.3km s-min=15.2km az=40.0.
ISC XII 02 15 33 08.4–.82 28.04S–.05 140.58E–.07 10 14 4-17
IDC XII 02 15 33 05.0–3.8 27.50S 141.32E 0 3.4,3.3 ¶602390358
ISCJB XII 02 15 33 06.8–.70 27.99S–.06 140.54E–.06 10 3.4,3.3
AUST XII 02 15 33 20.2–.05 28.32S 141.67E 10 3.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=16.6km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.8km az=39.7.
AUST Error ellipse: s-maj=1.1km s-min=0.2km az=276.0.
IDC XII 03 05 15 00.4–3.0 30.26S 138.47E 0 3.1,3.0
¶602390383

IDC Error ellipse: s-maj=71.2km s-min=15.7km az=45.0.
IDC XII 04 05 15 00.8–2.9 30.17S 138.56E 0 3.3,3.3
¶602390435

IDC Error ellipse: s-maj=103.5km s-min=16.1km az=42.0.
ISC XII 04 17 51 04.9–.84 29.98S–.06 139.18E–.05 10 18 3-17
ISCJB XII 04 17 51 03.2–.54 29.95S–.04 139.10E–.06 10 ¶602390465
IDC XII 04 17 51 03.7–2.2 30.17S 138.96E 0 3.4,3.3
AUST XII 04 17 51 04.2–.00 29.94S 139.12E 10 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=153.3.
IDC Error ellipse: s-maj=76.0km s-min=14.1km az=44.0.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=327.0.
IDC XII 05 17 55 17.2–5.4 27.63S 140.95E 0 3.5,3.3
¶602390511

IDC Error ellipse: s-maj=118.5km s-min=20.2km az=67.0.
IDC XII 05 18 08 32.4–2.1 27.62S 140.96E 0 3.3,3.2
¶602390513

IDC Error ellipse: s-maj=40.5km s-min=19.6km az=74.0.
ISC XII 15 05 14 59.2–1.2 30.37S–.08 138.37E–.07 10 9 3-11
ISCJB XII 15 05 14 57.2–.85 30.32S–.06 138.34E–.07 10 ¶602391364
IDC XII 15 05 14 58.4–5.1 30.30S 138.42E 0 3.1,3.1
AUST XII 15 05 14 59.4–.02 30.49S 138.42E 10 3.1,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.8km az=152.6.
IDC Error ellipse: s-maj=146.2km s-min=18.1km az=42.0.
AUST Error ellipse: s-maj=0.6km s-min=0.2km az=348.0.
IDC XII 18 05 15 03.8–3.4 29.73S 138.83E 0 3.0,2.9
¶602391589

IDC Error ellipse: s-maj=152.6km s-min=24.2km az=52.0.
IDC XII 27 05 15 00.9–3.1 30.07S 138.65E 0 3.0,3.0
¶602380694

IDC Error ellipse: s-maj=97.4km s-min=16.1km az=45.0.
IDC XII 28 05 14 57.6–3.4 30.37S 138.37E 0 3.0,3.0
¶602380762

IDC Error ellipse: s-maj=75.9km s-min=15.2km az=43.0.
IDC XII 30 05 15 02.7–3.7 30.21S 138.51E 0 3.0,3.0
¶602380875

IDC Error ellipse: s-maj=107.5km s-min=15.9km az=44.0.

(594) Queensland.

IDC VII 17 04 34 43.1–2.2 22.52S 148.02E 0 3.8,3.6
¶601664704

IDC Error ellipse: s-maj=30.6km s-min=21.7km az=71.0.
IDC IX 24 04 20 11.1–2.7 22.49S 148.09E 0 3.7,3.6
¶601864074

IDC Error ellipse: s-maj=42.9km s-min=20.8km az=71.0.
IDC IX 28 06 18 39.5–5.8 21.14S 148.42E 0 3.3,3.3
¶601864336

IDC Error ellipse: s-maj=66.5km s-min=35.7km az=41.0.
IDC X 04 21 47 03.6–3.9 19.97S 140.55E 0 3.6b,3.1
¶601997065

IDC Error ellipse: s-maj=86.9km s-min=36.3km az=134.0.
IDC X 06 04 54 16.7–4.3 22.41S 148.36E 0 3.5,3.4
¶601997239

IDC Error ellipse: s-maj=43.1km s-min=23.7km az=78.0.
IDC XI 14 21 45 27.5–4.2 27.54S 141.19E 0 3.2,3.2
¶602389409

IDC Error ellipse: s-maj=68.1km s-min=19.2km az=64.0.
IDC XI 15 04 33 03.0–4.7 18.82S 138.48E 0 3.2,3.1
¶602389430

IDC Error ellipse: s-maj=35.3km s-min=26.9km az=42.0.
ISC XI 17 05 33 17.1–1.9 22.5S–.10 148.0E–.20 10 7 3-147
ISCJB XI 17 05 33 16.0–2.2 22.6S–.10 147.9E–.30 10 3.9b ¶602389550
IDC XI 17 05 33 15.1–2.4 22.52S 148.05E 0 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.0km s-min=17.2km az=4.7.
IDC Error ellipse: s-maj=52.0km s-min=35.2km az=97.0.
IDC XI 20 06 35 08.7–6.3 27.44S 141.30E 0 3.1,3.1
¶602389726

IDC Error ellipse: s-maj=142.3km s-min=25.4km az=65.0.
IDC XI 21 19 48 18.9–3.9 27.41S 141.12E 0 3.0,2.9
¶602389802

IDC Error ellipse: s-maj=66.9km s-min=26.2km az=56.0.
IDC XI 23 08 10 46.2–5.2 27.00S 141.33E 0 2.9,2.9
¶602389869

IDC Error ellipse: s-maj=98.1km s-min=25.6km az=65.0.
IDC XI 23 11 24 02.8–6.1 27.11S 141.12E 0 2.8,2.7
¶602389882

IDC Error ellipse: s-maj=132.3km s-min=27.1km az=65.0.
IDC XI 23 12 32 19.3–4.0 27.47S 141.55E 0 3.7,3.5
¶602389885

IDC Error ellipse: s-maj=58.3km s-min=18.2km az=65.0.
IDC XI 23 18 25 28.0–7.2 27.53S 141.34E 0 3.2,3.1
¶602389903

IDC Error ellipse: s-maj=137.3km s-min=21.1km az=71.0.
IDC XI 27 04 18 26.7–5.5 27.48S 141.23E 0 3.6,3.5
¶602390035

IDC Error ellipse: s-maj=113.7km s-min=18.8km az=68.0.
IDC XI 27 07 33 13.0–3.9 27.79S 141.29E 0 3.3,3.3
¶602390046

IDC Error ellipse: s-maj=66.7km s-min=21.0km az=61.0.
IDC XI 28 15 36 30.3–3.7 27.46S 141.42E 0 4.2,3.9
¶602390125

IDC Error ellipse: s-maj=59.1km s-min=16.3km az=65.0.
IDC XI 29 15 07 50.8–4.5 27.60S 141.10E 0 3.0,3.0
¶602390163

IDC Error ellipse: s-maj=76.7km s-min=19.5km az=63.0.
IDC XI 29 15 16 13.9–5.8 27.59S 141.13E 0 2.9,2.9
¶602390164

IDC Error ellipse: s-maj=123.8km s-min=21.7km az=69.0.
IDC XI 29 19 40 10.8–4.3 27.58S 141.12E 0 3.4,3.3
¶602390185

IDC Error ellipse: s-maj=74.9km s-min=19.0km az=63.0.
IDC XI 29 21 49 35.3–4.8 26.81S 141.37E 0 2.9,2.8
¶602390194

IDC Error ellipse: s-maj=90.4km s-min=22.5km az=65.0.
IDC XI 29 22 06 12.9–6.3 27.52S 141.53E 0 3.1,3.0
¶602390195

IDC Error ellipse: s-maj=122.1km s-min=22.0km az=71.0.
IDC XI 30 06 44 45.5–4.5 27.54S 141.07E 0 3.4,3.4
¶602390225

IDC Error ellipse: s-maj=90.0km s-min=19.3km az=68.0.
IDC XI 30 13 05 56.8–5.9 27.56S 141.28E 0 3.2,3.2
¶602390238

IDC Error ellipse: s-maj=121.4km s-min=21.5km az=70.0.
IDC XI 30 13 25 21.6–2.4 27.22S 143.11E 0 3.0,3.0
¶602390239

IDC Error ellipse: s-maj=32.8km s-min=4.4km az=84.0.
IDC XI 30 18 10 03.3–5.8 27.57S 141.27E 0 3.4,3.3
¶602390246

IDC Error ellipse: s-maj=117.6km s-min=20.5km az=69.0.
IDC XII 01 11 46 01.2–5.7 27.58S 141.12E 0 3.1,3.0
¶602390275

IDC Error ellipse: s-maj=121.9km s-min=21.4km az=69.0.
IDC XII 01 12 03 57.8–7.7 27.43S 142.44E 0 2.9,2.9
¶602390276

IDC Error ellipse: s-maj=122.8km s-min=22.5km az=78.0.
IDC XII 02 15 48 58.5–6.1 27.65S 141.17E 0 2.8,2.8
¶602390359

IDC Error ellipse: s-maj=139.3km s-min=26.6km az=66.0.
IDC XII 05 18 35 52.3–5.8 27.55S 141.17E 0 2.9,2.9
¶602390514

IDC Error ellipse: s-maj=123.2km s-min=21.7km az=69.0.
IDC XII 06 08 49 05.5–6.4 27.52S 141.62E 0 2.9,2.9
¶602390543

IDC Error ellipse: s-maj=122.3km s-min=20.9km az=72.0.
IDC XII 11 06 42 28.6–2.2 24.25S 140.33E 0 3.3,3.3
¶602391074

IDC Error ellipse: s-maj=26.9km s-min=18.5km az=175.0.
IDC XII 30 11 14 01.0–6.3 27.48S 141.59E 0 2.8,2.8
¶602380887

IDC Error ellipse: s-maj=119.2km s-min=22.1km az=72.0.

(601) New South Wales.

ISC VIII 25 06 27 31.6–.91 29.21S–.06 141.78E–.06 10 15 3-11
AUST VIII 25 06 27 32.5–.07 29.45S 141.74E 0–0 ¶601737796
IDC VIII 25 06 27 33.6–5.9 29.49S 141.55E 0 2.9,2.9
ISC Event type ke.
AUST Error ellipse: s-maj=0.3km s-min=0.1km az=304.0.
IDC Error ellipse: s-maj=134.8km s-min=18.5km az=75.0.
ISC X 17 18 16 55.7–.74 30.55S–.05 141.79E–.07 10 23 1-94
ISCJB X 17 18 16 53.9–.51 30.53S–.04 141.82E–.05 10 4.0b ¶601881236
IDC X 17 18 16 55.6–1.6 30.60S 141.62E 0 4.0b,3.9
AUST X 17 18 16 57.0–.17 30.65S 141.88E 15–1 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=156.3.
IDC Error ellipse: s-maj=40.1km s-min=13.1km az=82.0.
AUST Error ellipse: s-maj=0.7km s-min=0.3km az=299.0.

(603) Near southeast coast of Australia.

ISC VII 20 09 11 32.2–.63 38.27S–.08 146.0E–.10 8 4.8b,4.0s 25 4-148
ISCJB VII 20 09 11 30.5–.53 38.23S–.07 146.0E–.10 8 4.7b,4.0s ¶601452000
IDC VII 20 09 11 30.5–1.5 38.18S 146.17E 0 4.5L,4.4
NEIC VII 20 09 11 31.0–.00 38.28S 146.16E 13 4.6b,4.3L
BJI VII 20 09 11 31.0 38.32S 146.47E 12 5.1b,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.3km s-min=7.6km az=146.6.
IDC Error ellipse: s-maj=87.6km s-min=17.9km az=67.0.
NEIC Event type fe. Felt [IV] at Moe and Morwell; [III] at Craigieburn, Cranbourne, Healesville, Pakenham, Traralgon, Warragul and Wonthaggi; [II] at Hastings, Melbourne and Somerville. Also felt at Ararat, Bendigo, Canberra, Crib Point, Dandenong, Echuca Village, Frankston, Ringwood, Sunbury, Wallan and Wodonga. After AUST.
ISC VII 30 17 25 22.6–2.3 37.6S–.10 150.4E–.10 10 14 1-22
AUST VII 30 17 25 18.9–.55 37.74S 150.50E 2 ¶601650780
IDC VII 30 17 25 55.4–9.1 34.23S 149.16E 0 3.5,3.4
ISC Event type ke.
AUST Error ellipse: s-maj=5.8km s-min=4.4km az=95.0.
IDC Error ellipse: s-maj=187.6km s-min=52.8km az=5.0.
AUST X 11 22 47 08.3–.09 37.98S 143.57E 6–0
¶601881224

AUST Error ellipse: s-maj=0.2km s-min=0.1km az=24.0.

(604) Near east coast of Australia.

ISC XII 04 20 17 45.9–1.1 25.88S–.06 151.22E–.08 10 17 1-149
AUST XII 04 20 17 43.3–.00 25.79S 151.47E 10 ¶601996053
ISCJB XII 04 20 17 44.3–.88 25.89S–.04 151.20E–.09 10
IDC XII 04 20 17 47.2–3.1 26.03S 151.10E 0 3.8,3.7
ISC Event type ke.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=236.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.4km az=171.9.
IDC Error ellipse: s-maj=58.3km s-min=45.6km az=75.0.

(605) East of Australia.

IDC VIII 27 02 55 21.4–2.7 18.36S 149.63E 0 3.5,3.4L
¶601766524

IDC Error ellipse: s-maj=85.0km s-min=25.2km az=148.0.

(609) Tasmania region.

AUST IX 21 19 27 20.1–.05 42.04S 145.90E 10
¶601883069

AUST Error ellipse: s-maj=0.9km s-min=0.1km az=271.0.

SEISMIC REGION 39.
Pacific Basin.

(611) North Pacific Ocean.

IDC VIII 25 11 58 31.7–1.3 22.45N 145.70E 0 3.6s,3.6
¶601766440

IDC Error ellipse: s-maj=49.9km s-min=23.5km az=92.0.
ISC VIII 28 23 17 27.5–.60 25.2N–.10 145.80E–.09 10 4.2b,3.0s 36 4-148
ISCJB VIII 28 23 17 26.0–.45 25.10N–.08 145.73E–.08 10 4.2b,3.0s **¶601712940**
IDC VIII 28 23 17 25.9–.59 25.10N 145.82E 0 4.3,4.2b
NEIC VIII 28 23 17 27.3–.32 25.08N 145.86E 10 4.4b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.0km az=37.1.
IDC Error ellipse: s-maj=18.7km s-min=15.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.5km az=63.0.
ISC IX 02 05 06 46.1–.38 23.07N–.04 146.07E–.06 10 4.7b,4.0s 226 5-149
NIED IX 02 05 06 00 23.40N 145.90E 23 4.8W,4.0s **¶601670435**
ISCJB IX 02 05 06 44.9–.20 23.06N–.03 145.96E–.03 10 4.6b,4.0s
MOS IX 02 05 06 44.6–.96 23.01N 145.96E 11 4.8b,4.0s
IDC IX 02 05 06 44.8–.43 22.97N 146.03E 0 4.6,4.5L
BJI IX 02 05 06 45.0 22.82N 146.01E 18 4.9b,4.8b
NEIC IX 02 05 06 46.3–.16 23.01N 146.00E 10 4.9b,4.8b
JMA IX 02 05 06 47.0–.20 23.37N 145.89E 0 5.4,4.8b
GCMT IX 02 05 06 49.4–.40 23.02N–.02 146.04E–.02 12 4.8W,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ48.00000°,λ-171.00000°. NP2:ϕ_s345.00000°,δ84.00000°,λ-43.00000°. $M_0$1.63000×10^{16}
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s88,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.81±.09 $M_{\theta\theta}$1.29±.09; $M_{\phi\phi}$-0.48±.09; $M_{r\theta}$-1.07±.26; $M_{\theta\phi}$-1.90±.06; $M_{\phi r}$-0.16±.25; Best double couple: NP1:ϕ_s83.00000°,δ78.00000°,λ-147.00000°. NP2:ϕ_s345.00000°,δ58.00000°,λ-14.00000°. Principal axes: T 2.6960,Plg14.0000° ,Azm210.0000°; N -0.5730,Plg55.0000°,Azm100.0000°; P -2.1250,Plg31.0000° ,Azm309.0000° $M_0$2.41100×10^{16}
ISC IX 30 15 35 52.9–.42 23.05N–.03 146.09E–.04 29–2 5.4b,4.6s 1023 5-165
NIED IX 30 15 35 00 24.10N 146.40E 17 5.1W,4.6s **¶601768555**
IDC IX 30 15 35 48.0–.33 22.91N 146.07E 0 5.2,5.2
MOS IX 30 15 35 48.9–.95 23.04N 146.01E 12 5.6b,4.6s
ISCJB IX 30 15 35 51.9–.09 22.99N–.02 146.07E–.02 33 5.3b,4.6s
BJI IX 30 15 35 52.3 22.99N 145.93E 31 5.3b,5.1b
GCMT IX 30 15 35 53.7–.20 23.08N–.01 146.16E–.02 12 5.3W,5.1b
NEIC IX 30 15 35 53.7–.46 23.00N 146.04E 36–4 5.4b,5.1b
JMA IX 30 15 35 54.2–.20 24.14N 146.45E 0 6.1,5.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ18.00000°,λ-176.00000°. NP2:ϕ_s304.00000°,δ89.00000°,λ-72.00000°. $M_0$5.67000×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=8.3km az=84.0.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=108.6.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=158.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c69; s95,c188;Duration: 1ş1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94±.02 $M_{\theta\theta}$0.80±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$-0.11±.06; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.20±.07; Best double couple: NP1:ϕ_s129.00000°,δ51.00000°,λ-79.00000°. NP2:ϕ_s292.00000°,δ41.00000°,λ-103.00000°. Principal axes: T 1.1880,Plg5.0000° ,Azm211.0000°; N -0.2170,Plg9.0000°,Azm302.0000°; P -0.9710,Plg80.0000°,Azm91.0000° $M_0$1.08000×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=105.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.

(613) Hawaiian Islands.

NEIC VIII 16 08 43 06.1–.00 19.30N 155.22W 10 3.7
¶601564321
NEIC Event type fe. Felt [III] at Kea'au, Pahoa and Volcano and [II] at Hilo, Mountain View and Papa'ikou. Also felt at Captain Cook, Hakalau, Hawaii National Park, Kailua Kona, Kurtistown, Pa'auilo and Pepeekeo. After HVO.
NEIC VIII 19 10 07 45.9–.00 19.31N 155.22W 9 3.7L
¶601605980
NEIC Event type fe. Felt [II] at Hilo, Kea'au and Volcano. Also felt at Kurtistown, Mountain View, Pahoa and Papa'ikou. After HVO.
NEIC VIII 25 12 25 55.5–.00 19.01N 155.43W 38 3.9L
¶601626193
NEIC Event type fe. Felt [II] at Hilo. Also felt at Captain Cook, Honoka'a, Kea'au, Laupahoehoe, Mountain View, Na'alehu, Pa'auilo, Pahala, Pahoa, Papa'aloa, Papa'ikou, Pepeekeo, Volcano and Waimea. Felt at Honolulu, O'ahu. After HVO.
NEIC XI 02 14 17 35.0–.00 19.30N 155.22W 10 3.8L
¶602032260
NEIC Event type fe. Felt [III] at Hilo and Volcano. Also felt at Captain Cook, Hakalau, Honomu, Kea'au, Kurtistown, Mountain View, Ninole, Pa'auilo, Pahoa, Papa'ikou and Pepeekeo. After HVO.
ISC XI 25 03 59 48.6–.95 19.24N–.07 155.37W–.05 31–5 3.7b 67 0-104
IDC XI 25 03 59 44.0–1.6 19.11N 155.42W 0 4.0,3.8 **¶601994294**
NEIC XI 25 03 59 46.2–.00 18.96N 155.20W 24 4.3L,3.8
ISCJB XI 25 03 59 47.3–.73 19.19N–.06 155.42W–.05 31–2 4.2s,4.0b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Honomu; [III] at Kurtistown, Mountain View, Pahala and Waimea; [II] at Captain Cook, Hilo, Kailua Kona, Kea'au, Na'alehu, Pahoa and Volcano. Felt throughout the Island of Hawai'i. After HVO.
ISCJB Event type fe.
NEIC XI 25 23 56 20.0–.00 19.30N 155.22W 9 3.8L
¶601994463
NEIC Event type fe. Felt [III] at Volcano and [II] at Hilo and Pahoa. Also felt at Captain Cook, Hawaii National Park, Honomu, Kurtistown, Papa'ikou, Pepeekeo and Waimea. After HVO.

(614) Eastern Caroline Islands region.

ISC X 22 14 46 41.2–2.0 2.90N–.06 147.76E–.07 4–12 5.0b,3.9s 236 5-152
BJI X 22 14 46 39.0 2.80N 148.05E 15 5.1b,5.0b **¶601841798**
ISCJB X 22 14 46 40.5–.23 2.89N–.04 147.69E–.04 10 4.8b,3.9s
IDC X 22 14 46 41.0–.51 2.94N 147.69E 0 4.6,4.6
MOS X 22 14 46 41.0–.87 2.96N 147.67E 15 5.2b,4.6
NEIC X 22 14 46 41.9–.17 2.89N 147.68E 10 5.1b,4.6
GCMT X 22 14 46 42.9–.30 2.95N–.03 147.47E–.02 19–1 4.9W,4.6
DJA X 22 14 46 43.9–.50 3N–5.0 148E–7.0 10 5.5b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s80,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.61±.17 $M_{\theta\theta}$-0.66±.09; $M_{\phi\phi}$-1.94±.12; $M_{r\theta}$0.58±.21; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$-0.98±.22; Best double couple: NP1:ϕ_s151.00000°,δ57.00000°,λ89.00000°. NP2:ϕ_s333.00000°,δ33.00000°,λ92.00000°. Principal axes: T 2.8560,Plg78.0000° ,Azm57.0000°; N -0.1840,Plg1.0000°,Azm152.0000°; P -2.6650,Plg12.0000°,Azm242.0000° $M_0$2.76000×10^{16}
ISC X 22 16 00 20.4–.54 2.82N–.08 147.74E–.09 35 4.4b,3.1s 46 5-91
IDC X 22 16 00 15.6–.78 2.88N 147.72E 0 4.2,4.2L **¶601874194**
NEIC X 22 16 00 17.2–4.0 2.87N 147.78E 12–25 4.7b,4.2L
ISCJB X 22 16 00 18.4–.36 2.83N–.05 147.74E–.08 33 4.2b,3.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 22 11 33 27.0–1.8 9.20N 142.58E 0 4.3L,3.8
¶602391862
IDC Error ellipse: s-maj=235.5km s-min=22.9km az=110.0.

(618) Gilbert Islands region.

IDC XII 13 06 17 23.7–1.2 3.47S 177.63E 0 3.9,3.7
¶602391236
IDC Error ellipse: s-maj=57.6km s-min=22.1km az=145.0.

(620) Line Islands region.

IDC VIII 19 06 54 40.9–999 0.75S 153.73W 0
¶601766134
IDC Error ellipse: s-maj=595.6km s-min=265.7km az=142.0.
IDC XII 06 04 45 41.4–1.3 0.77N 160.46W 0 3.9,3.8
¶602390533
IDC Error ellipse: s-maj=69.0km s-min=19.8km az=141.0.

(628) Society Islands region.

ISC VIII 16 02 38 09.4–.93 17.43S–.05 149.04W–.06 9–5 4.8b,3.9s 523 0-158
ISCJB VIII 16 02 38 07.5–.22 17.70S–.05 149.02W–.03 10 4.6b,3.9s **¶601564030**
IDC VIII 16 02 38 08.3–.46 17.49S 149.29W 0 4.7,4.5b
NEIC VIII 16 02 38 11.2–.50 17.55S 149.16W 16–3 4.8b,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.5km az=163.9.
IDC Error ellipse: s-maj=22.0km s-min=7.7km az=150.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=3.5km az=141.0. Felt [III] at Faaa. Also felt at Papao, Papeete, Punaauia and Tiarei.

(632) South Pacific Ocean.

ISC VIII 30 19 32 36.2–.94 49.6S–.20 118.1W–.30 10 4.5s,3.7b 8 30-151
ISCJB VIII 30 19 32 34.5–.94 49.6S–.20 118.1W–.40 10 4.5s,3.7b **¶601676526**
IDC VIII 30 19 32 34.2–.89 49.56S 118.05W 0 4.4s,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.4km s-min=19.8km az=27.5.
IDC Error ellipse: s-maj=44.0km s-min=23.2km az=114.0.
ISC IX 15 01 51 10.9–.58 49.4S–.10 117.3W–.20 10 4.1b,3.8s 28 30-170
ISCJB IX 15 01 51 09.4–.49 49.52S–.09 117.0W–.20 10 4.0b,3.8s **¶601740155**
IDC IX 15 01 51 09.6–.69 49.44S 117.32W 0 4.2,4.0
NEIC IX 15 01 51 10.9–.33 49.43S 117.33W 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=12.4km az=15.6.
IDC Error ellipse: s-maj=28.3km s-min=20.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.7km az=119.0.
ISC XI 04 10 07 15.7–.66 6.6S–.10 122.3W–.20 10 4.4b,3.8s 165 32-141
IDC XI 04 10 07 14.4–.83 6.55S 122.31W 0 4.4,4.2 **¶602031627**
NEIC XI 04 10 07 14.5–.32 6.92S 122.31W 10 4.5b,4.2
GCMT XI 04 10 07 14.5–.50 6.33S–.04 122.34W–.02 23–1 4.9W,4.2
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s57,c70;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.11±.23 $M_{\theta\theta}$0.03±.15; $M_{\phi\phi}$-2.13±.15; $M_{r\theta}$-2.22±.29; $M_{\theta\phi}$-0.90±.11; $M_{\phi r}$0.06±.18; Best double couple: NP1:ϕ_s233.00000°,δ64.00000°,λ125.00000°. NP2:ϕ_s356.00000°,δ42.00000°,λ41.00000°. Principal axes: T 3.5710,Plg56.0000° ,Azm190.0000°; N -0.9540,Plg31.0000°,Azm36.0000°; P -2.6130,Plg12.0000° ,Azm299.0000° $M_0$3.09200×10^{16}

SEISMIC REGION 40.
Arctic Zone.

(637) Iceland region.

IDC VIII 30 00 54 02.9–3.5 67.80N 18.84W 0 3.4b,3.4
¶601755589
IDC Error ellipse: s-maj=74.6km s-min=26.6km az=124.0.
IDC VIII 30 01 21 15.2–1.6 67.78N 19.02W 0 3.6,3.4
¶601755591
IDC Error ellipse: s-maj=32.7km s-min=26.7km az=79.0.
ISC IX 06 20 43 00.8–1.0 68.83N–.04 16.46W–.05 11–6 4.4b,3.8s 146 2-131
ISCJB IX 06 20 42 58.7–1.1 68.72N–.02 16.75W–.08 8–7 4.2b,3.8s **¶601687272**
IDC IX 06 20 42 59.5–.54 68.82N 16.52W 0 4.3,4.2
GCMT IX 06 20 43 00.9–.30 68.90N–.03 16.46W–.05 21–2 4.8W,4.2
NEIC IX 06 20 43 00.9–.24 68.83N 16.42W 10 4.5b,4.2
REY IX 06 20 43 00.8 68.65N 16.38W 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=15.8.
IDC Error ellipse: s-maj=15.1km s-min=11.2km az=27.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s5,c6; s66,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.11 $M_{\theta\theta}$0.11±.09; $M_{\phi\phi}$0.05±.09; $M_{r\theta}$-0.48±.15; $M_{\theta\phi}$1.72±.08; $M_{\phi r}$-0.23±.16; Best double couple: NP1:ϕ_s271.00000°,δ85.00000°,λ15.00000°. NP2: ϕ_s180.00000°,δ75.00000°,λ175.00000°. Principal axes: T 1.9240,Plg14.0000°,Azm136.0000° ; N -0.2640,Plg75.0000°,Azm289.0000°; P -1.6610,Plg7.0000°,Azm44.0000° $M_0$1.79300×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=210.0.
ISC IX 19 07 57 22.4–.38 66.27N–.03 18.65W–.02 10 4.4b,3.6s 151 0-77
REY IX 19 07 57 19.5 66.35N 18.73W 7 4.4b,3.6s **¶601725144**
IDC IX 19 07 57 19.4–.79 66.37N 19.12W 0 4.1,3.9
MOS IX 19 07 57 20.9–1.6 66.44N 19.07W 10 4.5b,3.9
BJI IX 19 07 57 20.8 66.20N 18.80W 10 4.9b,4.8b
ISCJB IX 19 07 57 21.3–.21 66.22N–.02 18.67W–.04 10 4.3b,3.6s
NEIC IX 19 07 57 23.2–.31 66.50N 18.58W 10 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=15.7km az=8.0.
MOS Error ellipse: s-maj=13.7km s-min=8.1km az=104.1.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=18.9.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.3km az=199.0.
ISC IX 19 08 28 19.0–.82 66.18N–.03 18.38W–.03 9–5 4.2b,3.5s 91 0-94
REY IX 19 08 28 15.3 66.35N 18.72W 9 4.2b,3.5s **¶601863819**
IDC IX 19 08 28 18.2–.69 66.16N 19.00W 0 4.2L,4.1
NEIC IX 19 08 28 20.2–.25 66.30N 18.72W 10 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=13.4km az=16.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.4km az=198.0.
ISC IX 20 09 27 49.1–1.3 66.35N–.03 18.72W–.03 1–9 3.8b,3.3s 47 0-87
ISCJB IX 20 09 27 49.0–.66 66.34N–.03 18.71W–.05 13–3 3.7b,3.2s **¶601863880**
REY IX 20 09 27 49.6 66.38N 18.75W 10 3.7b,3.2s
IDC IX 20 09 27 49.9–.91 66.41N 19.17W 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=170.1.
IDC Error ellipse: s-maj=21.3km s-min=18.7km az=178.0.
ISC IX 20 19 42 47.1–.79 66.30N–.03 18.69W–.03 7–5 3.9b,3.6s 64 0-72
ISCJB IX 20 19 42 46.1–.59 66.31N–.03 18.72W–.06 8–3 3.8b,3.6s **¶601734986**
IDC IX 20 19 42 46.6–.86 66.22N 19.05W 0 4.0,3.9
REY IX 20 19 42 46.2 66.38N 18.78W 8 4.0,3.9
GCMT IX 20 19 42 47.2–.40 66.43N–.06 18.91W–.05 14–2 4.6W,3.9
NEIC IX 20 19 42 48.2–.62 66.19N 19.04W 10 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=153.4.
IDC Error ellipse: s-maj=18.4km s-min=15.8km az=179.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c11; s67,c94;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.13 $M_{\theta\theta}$-0.31±.08; $M_{\phi\phi}$0.99±.09; $M_{r\theta}$-0.15±.24; $M_{\theta\phi}$-0.06±.05; $M_{\phi r}$0.14±.13; Best double couple: NP1:ϕ_s161.00000°,δ52.00000°,λ-113.00000°. NP2:ϕ_s16.00000°,δ43.00000°,λ-63.00000°. Principal axes: T 1.0110,Plg5.0000° ,Azm267.0000°; N -0.2660,Plg18.0000°,Azm175.0000°; P -0.7450,Plg71.0000° ,Azm12.0000° $M_0$0.87800×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=106.0.
ISC X 20 23 38 17.2–.72 66.27N–.03 18.67W–.02 13–4 3.8b 65 0-62
ISCJB X 20 23 38 15.9–.49 66.30N–.02 18.72W–.05 13–3 3.8b **¶601861547**
REY X 20 23 38 16.4 66.32N 18.75W 6 3.8b
IDC X 20 23 38 16.4–.71 66.15N 18.68W 0 3.9,3.8b
NEIC X 20 23 38 17.8–.38 66.17N 18.68W 10 4.1b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=3.0.
IDC Error ellipse: s-maj=19.6km s-min=13.6km az=12.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.9km az=200.0.
ISC X 21 00 10 20.3–1.0 66.28N–.04 18.82W–.03 11–7 3.9b 34 0-52
ISCJB X 21 00 10 20.8–.52 66.24N–.03 18.72W–.06 10–3 3.7b **¶601839806**
REY X 21 00 10 21.0 66.31N 18.76W 6 3.7b
IDC X 21 00 10 22.2–.84 66.17N 19.07W 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=173.0.
IDC Error ellipse: s-maj=21.2km s-min=12.6km az=137.0.
ISC X 21 00 10 35.5–.51 66.27N–.02 18.69W–.02 9–3 5.2s,4.9b 926 0-156
LVSN X 21 00 10 23.7–5.4 65.68N 20.91W 23–19 5.0s,4.9b **¶603370150**
IDC X 21 00 10 33.3–.37 66.19N 18.69W 0 5.1,5.1s
ISCJB X 21 00 10 33.6–.42 66.30N–.02 18.65W–.02 7–2 5.1s,4.8b

MOS X 21 00 10 33.8–1.0 66.29N 18.71W 10 4.9b,4.8b
REY X 21 00 10 34.5 66.31N 18.78W 9 4.9b,4.8b
BJI X 21 00 10 34.4 66.80N 18.46W 6 5.5b,5.2s
GCMT X 21 00 10 35.9–.20 66.51N–.03 18.79W–.03 12 5.3W,5.2s
NEIC X 21 00 10 35.9–.11 66.37N 18.57W 10 5.0b,5.2s
ISC Event type se.
LVSN Error ellipse: s-maj=82.7km s-min=113.7km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=12.3.
MOS Error ellipse: s-maj=7.4km s-min=4.0km az=107.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c35; s111,c195;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.12±.03 $M_{\theta\theta}$0.06±.03; $M_{\phi\phi}$1.06±.02; $M_{r\theta}$0.74±.14; $M_{\theta\phi}$-0.29±.03; $M_{\phi r}$-0.14±.11; Best double couple: NP1:ϕ_s320.00000°,δ59.00000° ,λ-118.00000°. NP2:ϕ_s186.00000°,δ41.00000°,λ-52.00000°. Principal axes: T 1.1900,Plg9.0000°,Azm70.0000°; N 0.2890,Plg24.0000°,Azm335.0000° ; P -1.4760,Plg64.0000°,Azm180.0000° $M_0$1.33300×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=195.0.
ISC X 21 00 20 29.0–.94 66.26N–.04 18.78W–.03 12–6 3.5b 45 0-52
IDC X 21 00 20 28.8–.90 66.28N 19.24W 0 3.9,3.9 **¶601999104**
ISCJB X 21 00 20 29.0–.66 66.27N–.03 18.77W–.06 15–4 3.5b,3.9
REY X 21 00 20 29.4 66.32N 18.77W 10 3.5b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=12.8km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=179.1.
ISC X 21 00 34 19.1–1.0 66.32N–.03 18.64W–.03 13–7 45 0-52
REY X 21 00 34 20.0 66.34N 18.75W 7 **¶601999106**
IDC X 21 00 34 21.2–1.9 66.11N 19.03W 0 3.7,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=63.7km s-min=29.0km az=24.0.
ISC X 21 01 03 44.6–.97 66.18N–.05 18.67W–.02 7–6 4.0b 80 0-82
ISCJB X 21 01 03 44.0–.42 66.15N–.03 18.71W–.05 12–2 3.9b **¶601840857**
REY X 21 01 03 43.3 66.29N 18.75W 10 3.9b
IDC X 21 01 03 44.0–.63 66.07N 18.75W 0 4.0,3.8
NEIC X 21 01 03 45.6–.25 66.01N 18.68W 10 4.3L,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=12.2.
IDC Error ellipse: s-maj=13.9km s-min=11.3km az=172.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=196.0.
REY X 21 01 25 15.5 66.30N 18.77W 8
¶601839809
ISC X 21 01 25 22.3–.40 66.28N–.02 18.71W–.02 7–2 5.3b,5.1s 1443 0-169
IDC X 21 01 25 20.7–.34 66.26N 18.79W 0 5.0,5.0 **¶603370163**
MOS X 21 01 25 20.6–.98 66.29N 18.78W 10 5.3b,5.0s
ISCJB X 21 01 25 21.7–.06 66.26N–.01 18.76W–.02 16 5.2b,5.2s
BJI X 21 01 25 21.5 66.74N 18.39W 6 5.5b,5.5s
REY X 21 01 25 21.2 66.30N 18.71W 11 5.5b,5.5s
NEIC X 21 01 25 22.6–.06 66.31N 18.67W 10 5.5W,5.4b
NEIC X 21 01 25 23.0–.00 66.23N 19.00W 11 5.5W,5.4b
GCMT X 21 01 25 23.0–.10 66.42N–.01 18.74W–.01 12 5.6W,5.4b
NAO X 21 01 25 26.2–11 66.53N 18.43W 15–147 5.5L,5.4b
ISC Event type fe.
IDC Error ellipse: s-maj=9.0km s-min=8.1km az=7.0.
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=107.4.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.1km az=13.1.
NEIC Event type fe. Error ellipse: s-maj=2.4km s-min=1.3km az=194.0. Felt at Akureyri and Siglufjordhur.
NEIC Event type se. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.88 $M_{\theta\theta}$0.03 $M_{\phi\phi}$1.85 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s325.00000° ,δ52.00000°,λ-115.00000°. NP2:ϕ_s182.00000°,δ44.00000°,λ-61.00000°. Principal axes: T 2.0500,Plg4.0000°,Azm72.0000°; N 0.1100,Plg19.0000°,Azm340.0000° ; P -2.1600,Plg69.0000°,Azm174.0000° $M_0$2.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c128; s126,c357;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.44±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$2.50±.02; $M_{r\theta}$1.22±.11; $M_{\theta\phi}$-0.93±.02; $M_{\phi r}$-0.52±.09; Best double couple: NP1:ϕ_s322.00000°,δ58.00000° ,λ-114.00000°. NP2:ϕ_s182.00000°,δ39.00000°,λ-57.00000°. Principal axes: T 2.9520,Plg10.0000°,Azm69.0000°; N 0.0020,Plg20.0000°,Azm335.0000° ; P -2.9580,Plg68.0000°,Azm183.0000° $M_0$2.95500×10^{17}
NAO Error ellipse: s-maj=0.5km s-min=1.4km az=-1.0.
ISC X 21 02 20 00.5–1.2 66.32N–.03 18.62W–.03 3–9 3.5b 48 0-55
ISCJB X 21 02 20 00.7–.56 66.28N–.03 18.71W–.06 14–3 3.4b,3.0s **¶601999114**
REY X 21 02 20 01.4 66.30N 18.74W 9 3.4b,3.0s
IDC X 21 02 20 01.9–1.0 66.16N 19.04W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=179.9.
IDC Error ellipse: s-maj=20.2km s-min=14.3km az=130.0.
ISC X 21 03 43 25.4–1.0 66.26N–.03 18.63W–.03 8–7 3.8b,3.5s 47 0-62
IDC X 21 03 43 24.6–1.0 66.09N 18.54W 0 3.9,3.7 **¶601843592**
REY X 21 03 43 25.7 66.30N 18.74W 8 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=13.6km az=140.0.
IDC XII 31 08 09 49.3–5.0 61.98N 26.31W 0 3.8,3.7
¶602380479
IDC Error ellipse: s-maj=159.9km s-min=36.0km az=177.0.

(638) Iceland.

ISC VIII 17 15 48 14.7–.78 63.68N–.02 19.14W–.02 7–5 3.9b,3.5s 145 0-74
ISCJB VIII 17 15 48 14.0–.24 63.66N–.02 19.11W–.03 13–1 4.0b,3.4s **¶601564935**
REY VIII 17 15 48 14.3 63.66N 19.08W 1 4.0b,3.4s
IDC VIII 17 15 48 14.3–.75 63.66N 19.08W 0 4.0,3.8
NEIC VIII 17 15 48 15.7–.24 63.57N 19.03W 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=4.3.
IDC Error ellipse: s-maj=24.7km s-min=10.6km az=41.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=207.0.
ISC VIII 30 11 59 04.1–.43 64.01N–.02 21.54W–.02 10 4.1b,3.8s 121 0-144
ISCJB VIII 30 11 59 02.5–.20 64.00N–.02 21.56W–.03 10 4.0b,3.8s **¶601755614**
REY VIII 30 11 59 02.3 64.00N 21.59W 6 4.0b,3.8s
IDC VIII 30 11 59 03.3–.67 64.07N 21.69W 0 4.1L,3.9
NEIC VIII 30 11 59 05.1–.23 63.94N 21.65W 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.8km az=6.5.
IDC Error ellipse: s-maj=15.0km s-min=8.6km az=91.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=199.0.

(639) Jan Mayen Island region.

ISC VII 01 05 09 23.7–2.5 71.2N–.20 10.2W–.20 10 6 1-10
ISCJB VII 01 05 09 22.9–2.2 71.4N–.10 9.8W–.70 10 **¶606346520**
BER VII 01 05 09 26.1–.61 71.24N 9.91W 14–10 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.5km s-min=7.7km az=148.5.
BER Error ellipse: s-maj=7.8km s-min=36.6km az=-1.0.
BER VII 04 21 37 59.7–.32 71.55N 10.66W 2–419 2.6L
¶605670985
BER Error ellipse: s-maj=659.8km s-min=999.9km az=-1.0.
ISC VII 13 19 14 41.5–.56 71.33N–.04 9.51W–.04 10 3.5b,2.8s 87 0-59
ISCJB VII 13 19 14 38.4–.39 71.33N–.03 10.05W–.08 10 3.4b,2.9s **¶601272595**
CSEM VII 13 19 14 42.2–.16 71.31N 9.85W 20 4.0L,2.9s
IDC VII 13 19 14 42.4–1.2 71.36N 9.70W 0 3.8,3.7
NAO VII 13 19 14 43.7–5.9 71.32N 9.47W 17–21 4.0L,3.7
REY VII 13 19 14 44.4 70.78N 9.20W 10 4.0L,3.7
BER VII 13 19 14 46.3–3.1 71.32N 9.04W 22–8 4.0L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=127.0.
IDC Error ellipse: s-maj=21.9km s-min=9.3km az=58.0.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
BER Error ellipse: s-maj=6.6km s-min=22.1km az=-1.0.
ISC VII 14 13 08 54.4–1.1 71.44N–.05 9.24W–.10 10 28 0-22
ISCJB VII 14 13 08 53.8–1.0 71.48N–.03 9.2W–.30 10 **¶601352411**
NAO VII 14 13 08 55.0–8.4 71.36N 9.44W 3.6L
BER VII 14 13 08 56.2–2.8 71.25N 9.89W 0–12 3.6L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=4.5km az=171.0.
NAO Error ellipse: s-maj=0.1km s-min=1.0km az=-1.0.
BER Error ellipse: s-maj=13.2km s-min=50.9km az=-1.0.
ISC VII 14 19 41 17.8–.91 71.31N–.05 9.94W–.05 18–5 3.4b,3.3s 72 1-60
IDC VII 14 19 41 15.1–1.0 71.19N 9.80W 0 3.7,3.6 **¶601352412**
CSEM VII 14 19 41 16.8–.40 71.26N 9.90W 10 3.8L,3.6
NAO VII 14 19 41 18.3–5.6 71.32N 9.61W 9–29 3.8L,3.6
BER VII 14 19 41 19.0–2.9 71.21N 9.92W 10 3.8L,3.1L
GCMT VII 14 19 41 20.0–.50 71.32N 10.15W 28–2 4.8W,3.1L
REY VII 14 19 41 20.4 70.46N 8.34W 10 4.8W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=13.5km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=6.4km az=136.0.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
BER Error ellipse: s-maj=12.0km s-min=50.2km az=-1.0.
GCMT Error ellipse: s-maj=10.0km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s29,c39; s67,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.17 $M_{\theta\theta}$1.06±.16; $M_{\phi\phi}$-1.21±.12; $M_{r\theta}$-0.00±.25; $M_{\theta\phi}$1.69±.12; $M_{\phi r}$-0.25±.22; Best double couple: NP1:ϕ_s17.00000°,δ89.00000° ,λ-173.00000°. NP2:ϕ_s287.00000°,δ83.00000°,λ-1.00000°. Principal axes: T 1.9690,Plg4.0000°,Azm152.0000°; N 0.1610,Plg83.0000°,Azm27.0000° ; P -2.1320,Plg5.0000°,Azm242.0000° $M_0$2.05000×10^{16}
ISC VII 14 19 54 13.8–.36 71.29N–.04 9.91W–.03 10 4.4b,3.5s 303 1-64
ISCJB VII 14 19 54 12.0–.22 71.18N–.02 10.20W–.06 10 4.4b,3.4s **¶601273350**
IDC VII 14 19 54 12.6–.68 71.30N 9.88W 0 4.1,4.0
MOS VII 14 19 54 12.3–1.2 71.49N 9.95W 10 4.6b,4.0
BER VII 14 19 54 13.5–1.8 71.28N 10.09W 10 4.8L,3.8L
CSEM VII 14 19 54 13.4–.13 71.27N 10.20W 10 4.5b,3.8L
NAO VII 14 19 54 14.7–4.5 71.34N 9.79W 16–23 4.8L,3.8L
NEIC VII 14 19 54 14.2–1.9 71.38N 9.73W 8–13 4.5b,3.8L
REY VII 14 19 54 15.5 70.83N 9.78W 10 4.5b,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=150.2.
IDC Error ellipse: s-maj=15.1km s-min=11.1km az=54.0.
MOS Error ellipse: s-maj=16.6km s-min=5.4km az=101.0.
BER Error ellipse: s-maj=4.8km s-min=31.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=159.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=47.0.
ISC VII 15 02 13 39.3–1.0 71.17N–.05 9.71W–.03 16–6 4.4b,3.5s 238 0-93
ISCJB VII 15 02 13 36.3–.64 71.13N–.02 10.14W–.07 6–4 4.3b,3.6s **¶601273552**
IDC VII 15 02 13 36.3–.66 71.18N 9.65W 0 4.1,3.9
MOS VII 15 02 13 37.1–1.3 71.45N 9.62W 10 4.5b,3.9
CSEM VII 15 02 13 37.5–.10 71.16N 9.65W 10 4.4b,3.9
NEIC VII 15 02 13 38.8–.18 71.34N 9.56W 10 4.5b,3.9
GCMT VII 15 02 13 38.8–.30 71.33N 9.78W 30–1 4.8W,3.9
NAO VII 15 02 13 38.5–5.4 71.31N 9.55W 16–21 4.6L,3.9
BER VII 15 02 13 38.5–2.4 71.26N 9.83W 15–15 4.6L,3.6L
REY VII 15 02 13 39.1 70.90N 9.85W 10 4.6L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=26.1.
IDC Error ellipse: s-maj=18.5km s-min=10.4km az=31.0.
MOS Error ellipse: s-maj=19.4km s-min=6.3km az=98.9.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=121.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=220.0.
GCMT Error ellipse: s-maj=5.6km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s14,c14; s66,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.36±.18 $M_{\theta\theta}$0.91±.13; $M_{\phi\phi}$-1.28±.11; $M_{r\theta}$0.23±.18; $M_{\theta\phi}$1.87±.08; $M_{\phi r}$-0.02±.16; Best double couple: NP1:ϕ_s105.00000°,δ87.00000° ,λ7.00000°. NP2:ϕ_s15.00000°,δ83.00000°,λ177.00000°. Principal axes: T 2.0080,Plg7.0000° ,Azm330.0000°; N 0.3470,Plg83.0000°,Azm128.0000°; P -2.3580,Plg3.0000°,Azm240.0000° $M_0$2.18300×10^{16}
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
BER Error ellipse: s-maj=7.6km s-min=43.5km az=-1.0.
ISC VII 15 08 49 03.4–1.3 71.5N–.10 9.5W–.20 10 10 1-6
ISCJB VII 15 08 49 03.3–1.2 71.5N–.10 9.4W–.70 10 **¶605671175**
BER VII 15 08 49 05.9–.43 71.32N 9.33W 0–100 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.2km s-min=6.8km az=150.2.
BER Error ellipse: s-maj=143.8km s-min=309.4km az=-1.0.
ISC VII 15 11 46 31.9–.53 71.30N–.04 9.89W–.05 10 3.6b,3.3s 91 1-79
ISCJB VII 15 11 46 28.6–.37 71.31N–.03 10.17W–.07 10 3.6b,3.3s **¶601352414**
CSEM VII 15 11 46 30.8–.18 71.29N 10.04W 10 4.2L,3.3s
IDC VII 15 11 46 31.9–.74 71.38N 9.64W 0 3.9,3.7
BER VII 15 11 46 31.9–3.0 71.24N 10.09W 8–17 4.2L,3.7L
NAO VII 15 11 46 33.2–5.1 71.33N 9.54W 14–23 4.2L,3.7L
REY VII 15 11 46 36.5 70.46N 8.71W 10 4.2L,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=148.6.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.2km az=127.0.
IDC Error ellipse: s-maj=16.4km s-min=7.6km az=52.0.
BER Error ellipse: s-maj=11.9km s-min=55.0km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
ISC VII 15 13 02 43.3–.68 71.34N–.03 9.76W–.04 11–3 4.4b,3.9s 275 1-128
BJI VII 15 13 02 38.6 71.16N 10.28W 8 4.9b,4.8b **¶601273570**
MOS VII 15 13 02 41.9–1.2 71.41N 9.61W 10 4.6b,4.8b
ISCJB VII 15 13 02 41.4–.65 71.22N–.02 9.98W–.07 13–3 4.3b,3.9s
IDC VII 15 13 02 42.3–.68 71.26N 9.54W 0 4.1,4.0L
CSEM VII 15 13 02 42.5–.11 71.28N 9.88W 10 4.6b,4.0L
BER VII 15 13 02 42.3–3.8 71.27N 10.08W 8–20 4.7L,3.9L
GCMT VII 15 13 02 43.5–.20 71.40N 9.71W 25–1 5.0W,3.9L
NEIC VII 15 13 02 43.5–.21 71.31N 9.71W 10 4.6b,3.9L
NAO VII 15 13 02 44.4–5.8 71.26N 9.56W 23–23 4.7L,3.9L
REY VII 15 13 02 45.1 70.67N 8.83W 10 4.7L,3.9L
ISC Event type ke.
MOS Error ellipse: s-maj=17.4km s-min=6.4km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=138.1.
IDC Error ellipse: s-maj=16.8km s-min=10.8km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=140.0.
BER Error ellipse: s-maj=11.8km s-min=65.7km az=-1.0.
GCMT Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s37,c43; s99,c145; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.15 $M_{\theta\theta}$2.08±.14; $M_{\phi\phi}$-2.17±.12; $M_{r\theta}$0.45±.28; $M_{\theta\phi}$3.14±.10; $M_{\phi r}$1.40±.28; Best double couple: NP1:ϕ_s17.00000°,δ89.00000° ,λ159.00000°. NP2:ϕ_s107.00000°,δ69.00000°,λ1.00000°. Principal axes: T 4.0360,Plg15.0000°,Azm330.0000°; N 0.0540,Plg69.0000°,Azm195.0000° ; P -4.0970,Plg14.0000°,Azm64.0000° $M_0$4.06700×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=220.0.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
ISC VII 15 13 11 17.5–.90 71.32N–.06 9.56W–.06 10 55 0-22
ISCJB VII 15 13 11 15.2–.50 71.33N–.03 10.24W–.09 10 **¶601352415**
CSEM VII 15 13 11 17.6–.24 71.30N 10.00W 5 3.8L
NAO VII 15 13 11 20.0–4.4 71.42N 9.29W 3.8L
BER VII 15 13 11 21.6–3.8 71.33N 9.44W 19–18 3.8L,3.3L
REY VII 15 13 11 21.4 70.71N 9.00W 10 3.8L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=144.5.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=4.0km az=127.0.
NAO Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
BER Error ellipse: s-maj=17.2km s-min=96.0km az=-1.0.
ISC VII 30 19 40 48.6–1.6 71.1N–.10 6.29W–.08 15–13 3.1s,3.0b 46 1-46
IDC VII 30 19 40 46.1–1.0 70.94N 6.49W 0 3.5,3.5 **¶601503104**
CSEM VII 30 19 40 47.9–.16 71.11N 6.25W 10 3.8L,3.5
NAO VII 30 19 40 48.0–3.3 71.08N 6.25W 14–37 3.8L,3.5
BER VII 30 19 40 49.2–3.3 71.02N 6.21W 3–37 3.8L,3.0L
REY VII 30 19 40 52.8 70.78N 7.17W 10 3.8L,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=14.4km az=9.0.

CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.2km az=136.0.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
ISC VIII 07 05 22 48.3–.77 70.90N–.06 6.55W–.04 10 43 1-9
BER VIII 07 05 22 52.2–.49 71.05N 6.98W 0–386 3.1L **¶602437720**
REY VIII 07 05 22 56.5 70.51N 8.03W 10 3.1L
ISC Event type ke.
BER Error ellipse: s-maj=87.7km s-min=999.9km az=-1.0.
ISC VIII 21 22 12 39.4–1.1 71.7N–.10 1.55W–.08 10 17 2-25
IDC VIII 21 22 12 36.9–4.6 71.53N 1.93W 0 3.6,3.6 **¶601766276**
BER VIII 21 22 12 45.3–1.4 71.79N 1.21W 10 2.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=28.2km az=91.0.
BER Error ellipse: s-maj=8.0km s-min=18.1km az=-1.0.
ISC VIII 30 13 43 25.3–.38 71.45N–.03 11.03W–.02 11–2 6.4s,6.0b 2177 1-174
IDC VIII 30 13 43 22.8–.35 71.52N 10.99W 0 6.3,6.3 **¶601653047**
BJI VIII 30 13 43 22.7 71.46N 10.63W 9 6.8s,6.6
ISCJB VIII 30 13 43 23.8–.05 71.38N–.01 11.06W–.03 16 6.3s,5.9b
BER VIII 30 13 43 23.4–3.0 71.47N 10.55W 5–15 6.9b,6.3s
MOS VIII 30 13 43 23.3–.99 71.44N 10.89W 13 6.4s,6.3b
REY VIII 30 13 43 24.9 70.85N 9.63W 10 6.4s,6.3b
NEIC VIII 30 13 43 24.0–.00 71.36N 10.41W 13 6.4s,6.3b
NEIC VIII 30 13 43 25.2–.08 71.44N 10.61W 14 7.1,6.8W
GCMT VIII 30 13 43 35.2–.00 71.44N 9.84W 24–0 6.7W,6.8W
NEIC VIII 30 13 43 41.4–.00 71.51N 10.20W 10 6.7W,6.8W
CNRM VIII 30 13 43 46.0 70.75N 7.35W 15 6.6L,6.8W
ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=7.6km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=1.7km s-min=1.0km az=28.8.
BER Error ellipse: s-maj=8.5km s-min=72.8km az=-1.0.
MOS Error ellipse: s-maj=10.8km s-min=3.6km az=101.8.
NEIC Event type se. Moment Tensor Solution. s78 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.12 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.16 $M_{\theta\phi}$1.18 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s21.00000°,δ89.00000° ,λ168.00000°. NP2:ϕ_s112.00000°,δ78.00000°,λ1.00000°. Principal axes: T 1.6700,Plg8.0000°,Azm335.0000°; N -0.0400,Plg78.0000°,Azm197.0000° ; P -1.6300,Plg7.0000°,Azm67.0000° $M_0$1.70000×10^{19}
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.4km az=211.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ82.00000°,λ164.00000°. NP2: ϕ_s295.00000°,δ75.00000°,λ9.00000°. Principal axes: T 1.0200,Plg17.0000°,Azm158.0000° ; N 0.0300,Plg72.0000°,Azm355.0000°; P -1.0500,Plg5.0000°,Azm250.0000° Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s300.00000°,δ90.00000° ,λ-175.00000°. NP2:ϕ_s210.00000°,δ85.00000°,λ0.00000°. Principal axes: T Plg4.0000° ,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm165.0000°
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c372; s152,c671; Duration: 5≡7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.01±.01 $M_{\theta\theta}$1.10±.01; $M_{\phi\phi}$-1.09±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$1.19±.01; $M_{\phi r}$0.23±.01; Best double couple: NP1:ϕ_s202.00000°,δ86.00000° ,λ-173.00000°. NP2:ϕ_s111.00000°,δ83.00000°,λ-5.00000°. Principal axes: T 1.6230,Plg2.0000°,Azm336.0000°; N 0.0210,Plg82.0000°,Azm235.0000° ; P -1.6450,Plg8.0000°,Azm66.0000° $M_0$1.63400×10^{19}
NEIC Event type se. Moment Tensor Solution. s118 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.05 $M_{\phi r}$-0.18 Best double couple: NP1:ϕ_s290.00000° ,δ83.00000°,λ-2.00000°. NP2:ϕ_s21.00000°,δ88.00000°,λ-173.00000°. Principal axes: T 1.4300,Plg4.0000°,Azm155.0000°; N -0.0400,Plg82.0000°,Azm33.0000° ; P -1.3900,Plg6.0000°,Azm246.0000° $M_0$1.40000×10^{19}
ISC VIII 30 13 51 05.0–.47 70.69N–.03 8.48W–.03 16–2 5.2b 727 0-146
IDC VIII 30 13 51 01.5–.60 70.93N 9.31W 0 4.9,4.7 **¶601653048**
REY VIII 30 13 51 02.0 70.78N 9.75W 10 4.9,4.7
BJI VIII 30 13 51 02.5 70.90N 8.10W 12 5.5b,5.0b
ISCJB VIII 30 13 51 03.7–.10 70.84N–.02 8.07W–.05 10 5.2b,5.0b
BER VIII 30 13 51 03.3–5.8 70.76N 8.16W 5 5.2b,5.0b
NAO VIII 30 13 51 03.7–2.9 70.91N 8.51W 14–18 5.6L,5.0b
NEIC VIII 30 13 51 05.9–.13 70.94N 7.94W 10 5.2b,5.0b
MOS VIII 30 13 51 06.1–1.5 70.98N 8.10W 26 5.4b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=8.6km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=1.7km az=39.2.
BER Error ellipse: s-maj=12.7km s-min=53.8km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=218.0.
MOS Error ellipse: s-maj=18.8km s-min=5.4km az=100.4.
ISC VIII 30 13 57 28.6–1.3 71.4N–.10 10.76W–.10 10 13 1-12
ISCJB VIII 30 13 57 26.8–1.0 71.58N–.09 10.8W–.30 10 **¶604507605**
BER VIII 30 13 57 29.8–1.9 71.48N 10.50W 11–37 3.8L,3.3L
NAO VIII 30 13 57 29.9–6.2 71.57N 10.24W 3.8L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=6.5km az=44.8.
BER Error ellipse: s-maj=36.7km s-min=108.1km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.7km az=-1.0.
BER VIII 30 14 35 05.2–.35 70.82N 8.40W 3–32 1.8L
¶606340782
BER Error ellipse: s-maj=52.3km s-min=75.9km az=-1.0.
ISC VIII 30 21 28 23.1–.70 71.33N–.06 9.36W–.06 10 3.3b 43 0-59
ISCJB VIII 30 21 28 21.2–.52 71.46N–.03 9.1W–.10 10 3.3s,3.3b **¶606340902**
IDC VIII 30 21 28 22.7–1.2 71.44N 9.07W 0 3.7,3.6
BER VIII 30 21 28 25.5–1.9 71.23N 9.62W 0–12 3.7L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=177.3.
IDC Error ellipse: s-maj=24.7km s-min=9.9km az=75.0.
BER Error ellipse: s-maj=7.2km s-min=35.7km az=-1.0.
ISC IX 01 06 31 49.9–2.4 71.42N–.06 9.4W–.20 10 19 1-17
ISCJB IX 01 06 31 48.9–1.7 71.45N–.04 9.3W–.50 10 **¶606366220**
BER IX 01 06 31 50.7–1.9 71.36N 9.57W 0–18 3.6L,3.2L
NAO IX 01 06 31 50.6–4.0 71.43N 8.99W 3.6L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=5.4km az=171.1.
BER Error ellipse: s-maj=13.3km s-min=85.3km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
ISC IX 01 21 07 27.0–.81 71.35N–.09 10.74W–.05 10 22 1-12
ISCJB IX 01 21 07 25.9–.70 71.51N–.06 10.5W–.20 10 **¶606366221**
NAO IX 01 21 07 29.3–5.5 71.43N 10.13W 8–37 3.5L
BER IX 01 21 07 31.0–2.2 71.38N 10.16W 10 3.5L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.2km az=44.5.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
BER Error ellipse: s-maj=14.0km s-min=85.1km az=-1.0.
ISC IX 01 21 49 32.1–.91 71.33N–.08 9.4W–.10 18–5 43 0-12
REY IX 01 21 49 32.6 70.83N 8.84W 10 **¶606542244**
NAO IX 01 21 49 33.4–2.5 71.36N 8.38W 3.6L
BER IX 01 21 49 33.5–2.1 71.32N 9.08W 0–23 3.6L,3.4L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=10.7km s-min=83.5km az=-1.0.
ISC IX 05 01 11 03.8–1.2 71.63N–.09 10.5W–.10 10 10 1-9
ISCJB IX 05 01 11 04.6–.94 71.7N–.20 10.5W–.50 10 **¶606390261**
BER IX 05 01 11 07.8–.34 71.78N 9.30W 2–999 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.1km s-min=6.2km az=44.1.
BER Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 05 04 31 21.2–4.8 71.7N–.80 10W–1.0 10 6 1-6
BER IX 05 04 31 23.0–.30 71.61N 10.41W 2 2.5L **¶606390262**
ISC Event type ke.
BER Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 05 13 44 54.6–2.5 71.43N–.06 9.5W–.20 10 24 1-17
ISCJB IX 05 13 44 54.7–1.8 71.46N–.04 9.0W–.60 10 **¶606366226**
BER IX 05 13 44 56.4–2.6 71.21N 9.81W 4–25 3.3L
NAO IX 05 13 44 56.5–5.1 71.36N 9.15W 12–32 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.6km s-min=4.9km az=4.2.
BER Error ellipse: s-maj=17.8km s-min=56.9km az=-1.0.

NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
ISC IX 06 11 59 16.1–.73 71.41N–.05 10.01W–.06 10 3.7b,2.9s 45 1-59
ISCJB IX 06 11 59 13.6–.48 71.34N–.04 10.2W–.10 10 3.5b,2.9s **¶601687349**
IDC IX 06 11 59 17.9–1.8 71.39N 9.61W 0 3.8,3.7
BER IX 06 11 59 18.3–1.7 71.42N 9.25W 15–20 3.8L,3.4L
NAO IX 06 11 59 18.8–5.7 71.36N 9.44W 14–36 3.8L,3.4L
REY IX 06 11 59 18.9 70.74N 8.89W 10 3.8L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.5km az=137.1.
IDC Error ellipse: s-maj=30.2km s-min=11.0km az=65.0.
BER Error ellipse: s-maj=19.3km s-min=100.5km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
ISC IX 07 19 04 27.0–1.1 71.51N–.08 9.2W–.10 10 11 1-9
ISCJB IX 07 19 04 26.9–.00 71.5N–.10 9.3W–.60 10 **¶606390389**
BER IX 07 19 04 29.8–.35 71.26N 9.40W 0–105 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.7km s-min=6.2km az=143.2.
BER Error ellipse: s-maj=132.3km s-min=389.6km az=-1.0.
ISC IX 12 11 04 36.4–1.2 71.5N–.10 9.4W–.20 10 11 1-6
ISCJB IX 12 11 04 36.6–1.3 71.4N–.10 9.5W–.70 10 **¶606390699**
BER IX 12 11 04 39.3–.41 71.33N 9.48W 3–114 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.8km s-min=6.7km az=149.0.
BER Error ellipse: s-maj=156.4km s-min=390.5km az=-1.0.
ISC IX 16 04 34 07.7–.82 71.71N–.09 1.3W–.10 10 3.3b,2.9s 13 8-145
ISCJB IX 16 04 34 06.1–.76 71.74N–.08 1.0W–.30 10 3.3b,3.0s **¶601863634**
IDC IX 16 04 34 06.4–.89 71.64N 1.36W 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=10.8km az=161.3.
IDC Error ellipse: s-maj=22.4km s-min=16.8km az=55.0.
ISC IX 21 08 42 22.2–.64 71.08N–.06 9.41W–.04 10 3.6b 68 0-47
ISCJB IX 21 08 42 18.9–.41 71.18N–.04 9.7W–.10 10 3.4b,3.2s **¶601738701**
IDC IX 21 08 42 22.9–1.7 71.41N 9.34W 0 3.9,3.8
NAO IX 21 08 42 23.3–5.0 71.39N 9.36W 10–25 4.0L,3.8
REY IX 21 08 42 24.1 70.67N 8.99W 10 4.0L,3.8
BER IX 21 08 42 26.9–3.3 71.27N 8.07W 10 4.0L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.1km az=135.3.
IDC Error ellipse: s-maj=34.8km s-min=9.7km az=69.0.
NAO Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
BER Error ellipse: s-maj=9.7km s-min=34.7km az=-1.0.
ISC IX 23 16 12 03.1–.86 71.32N–.05 9.69W–.06 10 39 0-17
ISCJB IX 23 16 12 00.6–.50 71.31N–.04 10.1W–.10 10 **¶601755822**
BER IX 23 16 12 06.4–2.5 71.33N 9.11W 16–14 3.5L,3.4L
NAO IX 23 16 12 06.0–4.5 71.40N 9.02W 9–42 3.5L,3.4L
REY IX 23 16 12 06.2 70.63N 8.50W 10 3.5L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=142.1.
BER Error ellipse: s-maj=13.2km s-min=90.1km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.7km az=-1.0.
ISC IX 24 14 31 27.4–1.5 71.5N–.10 11.4W–.10 10 13 1-10
ISCJB IX 24 14 31 26.3–.94 71.67N–.07 11.4W–.30 10 **¶606391292**
BER IX 24 14 31 29.1–.93 71.54N 11.08W 12–34 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.1km az=138.9.
BER Error ellipse: s-maj=18.7km s-min=109.6km az=-1.0.
ISC IX 27 05 38 37.8–.95 71.54N–.07 10.96W–.06 10 15 1-10
ISCJB IX 27 05 38 37.5–.83 71.59N–.06 10.8W–.20 10 **¶606391437**
BER IX 27 05 38 40.3–1.8 71.53N 10.48W 8–52 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=5.3km az=139.1.
BER Error ellipse: s-maj=40.7km s-min=120.7km az=-1.0.
ISC X 04 04 58 31.5–5.0 71.1N–.30 6.5W–.20 9 9 1-7
BER X 04 04 58 33.0–.50 71.02N 6.65W 0–520 2.7L **¶606594597**
ISC Event type ke.
BER Error ellipse: s-maj=53.1km s-min=999.9km az=-1.0.
ISC X 22 13 36 30.4–1.5 71.5N–.20 9.7W–.30 10 10 1-6
ISCJB X 22 13 36 30.1–1.4 71.5N–.20 9.8W–.80 10 **¶606594851**
BER X 22 13 36 31.5–.50 71.40N 10.00W 3–293 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.0km s-min=7.5km az=146.9.
BER Error ellipse: s-maj=348.0km s-min=999.9km az=-1.0.
ISC X 26 00 20 35.7–.59 71.79N–.06 1.35W–.06 7 3.8b,3.5s 46 6-66
ISCJB X 26 00 20 33.9–.45 71.80N–.05 1.4W–.10 7 3.6b,3.5s **¶601848654**
IDC X 26 00 20 35.4–.83 71.70N 1.78W 0 3.9,3.7
BER X 26 00 20 38.3–3.5 71.77N 1.68W 0–37 3.3L,2.6L
NAO X 26 00 20 38.7–5.1 71.64N 0.68W 3.3L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.9km az=41.3.
IDC Error ellipse: s-maj=21.9km s-min=15.0km az=50.0.
BER Error ellipse: s-maj=11.4km s-min=95.6km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.7km az=-1.0.
ISC X 27 16 46 38.9–1.6 71.5N–.10 1.5W–.10 10 3.8b 25 6-36
ISCJB X 27 16 46 37.0–1.1 71.57N–.07 1.3W–.30 10 3.7b **¶601999847**
BER X 27 16 46 37.2–2.7 71.54N 2.76W 0–41 2.2L
IDC X 27 16 46 38.7–3.5 71.44N 1.15W 0 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=9.0km az=162.5.
BER Error ellipse: s-maj=13.8km s-min=117.0km az=-1.0.
IDC Error ellipse: s-maj=60.6km s-min=25.5km az=98.0.
ISC XI 01 06 33 37.8–.48 71.92N–.05 0.23W–.04 14–2 4.5b,4.0s 303 3-145
IDC XI 01 06 33 34.9–.41 71.96N 0.24W 0 4.3,4.2 **¶601867059**
MOS XI 01 06 33 36.1–1.4 72.06N 0.28E 10 4.6b,4.1s
NAO XI 01 06 33 36.3–3.4 71.97N 0.39E 4.3L,4.1s
GCMT XI 01 06 33 37.1–.30 71.95N–.03 0.52W–.08 12 4.8W,4.1s
NEIC XI 01 06 33 37.1–.18 71.96N 0.09W 10 4.5b,4.1s
BER XI 01 06 33 40.6–3.6 72.09N 0.45E 10 4.3L,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=9.8km az=40.0.
MOS Error ellipse: s-maj=17.4km s-min=4.9km az=101.7.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s71,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.65±.07 $M_{\theta\theta}$0.78±.08; $M_{\phi\phi}$0.87±.06; $M_{r\theta}$-0.42±.36; $M_{\theta\phi}$1.28±.06; $M_{\phi r}$0.06±.24; Best double couple: NP1:ϕ_s58.00000°,δ51.00000°,λ-71.00000°. NP2:ϕ_s209.00000°,δ43.00000°,λ-112.00000°. Principal axes: T 2.1220,Plg4.0000° ,Azm134.0000°; N -0.3640,Plg15.0000°,Azm225.0000°; P -1.7600,Plg75.0000° ,Azm30.0000° $M_0$1.94100×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=47.0.
BER Error ellipse: s-maj=9.6km s-min=52.9km az=-1.0.
ISC XI 03 18 16 38.7–1.0 71.47N–.08 10.47W–.07 10 11 1-10
ISCJB XI 03 18 16 37.5–.67 71.45N–.07 10.6W–.20 10 **¶606626813**
BER XI 03 18 16 41.2–.36 71.43N 9.87W 0–277 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.0km az=24.5.
BER Error ellipse: s-maj=352.9km s-min=999.9km az=-1.0.
ISC XI 20 09 54 26.9–.71 71.86N–.08 1.2W–.10 10 3.6b,3.2s 44 2-66
ISCJB XI 20 09 54 24.4–.55 71.86N–.04 0.8W–.20 10 3.6b,3.2s **¶601993164**
IDC XI 20 09 54 25.5–.82 71.75N 1.89W 0 3.9,3.7
NAO XI 20 09 54 27.0–3.7 71.81N 0.45W 3.8L,3.7
BER XI 20 09 54 31.2–3.9 71.81N 0.45W 15–258 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.8km az=160.7.
IDC Error ellipse: s-maj=24.3km s-min=15.7km az=57.0.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
BER Error ellipse: s-maj=13.2km s-min=122.3km az=-1.0.
ISC XI 23 07 17 58.7–3.7 71.2N–.10 7.2W–.20 16 8 0-6
BER XI 23 07 17 57.3–.60 70.97N 6.87W 3–419 3.1L **¶606626906**
ISC Event type ke.
BER Error ellipse: s-maj=23.8km s-min=999.9km az=-1.0.
BER XI 24 20 25 30.4–.41 70.91N 6.68W 3–562 3.5L

¶606626912

BER Error ellipse: s-maj=126.2km s-min=999.9km az=-1.0.
BER XI 29 01 36 48.2–1.1 70.81N 6.81W 2–28 3.4L,3.0L
NAO XI 29 01 36 46.4–3.4 70.78N 6.77W 3.0L,3.0L ¶606626932
BER Error ellipse: s-maj=17.3km s-min=30.7km az=-1.0.
NAO Error ellipse: s-maj=0.5km s-min=0.1km az=-1.0.
ISC XI 29 02 23 58.9–.32 70.89N–.04 6.89W–.03 16 4.4b,3.5s 295 0-128
BJI XI 29 02 23 56.9 71.00N 6.50W 10 5.0b,4.6s ¶601995158
NAO XI 29 02 23 56.2–4.4 70.88N 6.80W 4–51 4.7L,4.6s
IDC XI 29 02 23 56.6–.52 70.92N 7.69W 0 4.6L,4.2
ISCJB XI 29 02 23 57.2–.17 70.76N–.02 7.00W–.05 16 4.4b,3.6s
MOS XI 29 02 23 58.7–2.5 70.90N 6.60W 10 4.6b,3.6s
NEIC XI 29 02 23 58.7–.22 70.93N 6.65W 10 4.6b,3.6s
BER XI 29 02 23 59.6–3.7 70.97N 7.09W 10 4.7L,4.6L
REY XI 29 02 23 59.3 70.56N 7.42W 10 4.7L,4.6L
ISC Event type se.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=16.5km s-min=7.7km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=169.2.
MOS Error ellipse: s-maj=14.8km s-min=4.5km az=98.6.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.9km az=214.0.
BER Error ellipse: s-maj=9.3km s-min=16.7km az=-1.0.
BER XI 29 02 24 45.3–.39 71.04N 6.95W 10 3.5L

¶606626938

BER Error ellipse: s-maj=17.2km s-min=11.3km az=-1.0.
ISC XI 29 02 39 51.2–1.4 71.24N–.08 7.8W–.10 16 10 0-9
BER XI 29 02 39 48.4–.43 71.13N 7.01W 10 3.5L ¶606626939
ISCJB XI 29 02 39 49.6–.95 71.35N–.05 7.7W–.30 16 3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 29 04 36 11.2–3.6 71.2N–.10 7.7W–.30 19 8 0-6
BER XI 29 04 36 08.9–.42 71.07N 7.00W 10 3.3L ¶606626947
ISC Event type ke.
BER Error ellipse: s-maj=19.9km s-min=15.0km az=-1.0.
ISC XII 15 02 33 49.3–1.1 69.11N–.09 16.6W–.10 10 3.5b 6 2-42
ISCJB XII 15 02 33 47.4–.95 69.1N–.10 16.5W–.40 10 3.4b ¶602391359
IDC XII 15 02 33 47.8–1.4 69.07N 16.46W 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=14.5km az=173.9.
IDC Error ellipse: s-maj=36.5km s-min=24.4km az=58.0.
ISC XII 24 12 36 08.3–.62 70.98N–.07 7.00W–.05 16 3.4b 38 0-65
ISCJB XII 24 12 36 06.8–.47 70.84N–.03 6.86W–.10 16 3.4b ¶602057935
IDC XII 24 12 36 06.6–.80 70.87N 6.79W 0 3.7,3.6
BER XII 24 12 36 08.4–.44 71.02N 7.11W 0–266 3.6L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=142.6.
IDC Error ellipse: s-maj=23.8km s-min=8.0km az=12.0.
BER Error ellipse: s-maj=42.8km s-min=999.9km az=-1.0.
ISC XII 25 07 48 56.9–1.0 69.7N–.10 15.8W–.10 10 3.8b,3.1s 7 5-50
ISCJB XII 25 07 48 54.9–.86 69.7N–.10 15.8W–.30 10 3.7b,3.1s ¶602380575
IDC XII 25 07 48 55.5–1.3 69.71N 15.79W 0 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=13.2km az=35.1.
IDC Error ellipse: s-maj=27.1km s-min=25.9km az=7.0.
ISC XII 25 20 48 02.3–1.7 71.6N–.20 9.8W–.40 10 7 1-6
BER XII 25 20 48 04.3–.37 71.47N 9.92W 3–328 2.6L ¶606723552
ISC Event type ke.
BER Error ellipse: s-maj=422.6km s-min=999.9km az=-1.0.
ISC XII 29 05 31 42.4–1.5 71.5N–.20 9.5W–.30 10 7 1-6
ISCJB XII 29 05 31 41.9–1.5 71.5N–.30 9W–1.0 10 ¶606723564
BER XII 29 05 31 44.2–.40 71.31N 9.41W 0–140 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=77.1km s-min=8.5km az=150.2.
BER Error ellipse: s-maj=186.6km s-min=483.4km az=-1.0.
ISC XII 29 09 53 39.4–.70 71.39N–.07 10.55W–.05 10 3.0b 19 1-53
ISCJB XII 29 09 53 36.9–.55 71.44N–.06 10.8W–.10 10 3.1b ¶602380833
IDC XII 29 09 53 36.2–1.2 70.98N 10.91W 0 3.8,3.6
BER XII 29 09 53 42.0–.35 71.48N 9.96W 3–323 3.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.6km az=28.1.
IDC Error ellipse: s-maj=35.5km s-min=16.8km az=16.0.
BER Error ellipse: s-maj=415.4km s-min=999.9km az=-1.0.

(640) Greenland Sea.

ISC VII 02 04 55 49.3–1.2 79.0N–.10 3.72E–.08 10 18 2-42
IDC VII 02 04 55 50.6–2.0 79.30N 4.27E 0 3.6,3.5 ¶601235958
BER VII 02 04 55 50.7–2.9 79.04N 3.79E 10 3.3L,2.7L
NAO VII 02 04 55 56.6–2.8 78.90N 6.15E 3.3L,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=48.0km s-min=20.0km az=43.0.
BER Error ellipse: s-maj=36.1km s-min=76.0km az=-1.0.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
ISC VII 04 09 09 34.5–.61 73.12N–.07 6.66E–.06 11 3.7b,3.2s 46 4-145
NAO VII 04 09 09 30.3–6.5 73.10N 5.30E 3.5L,3.2s ¶601258036
ISCJB VII 04 09 09 32.5–.44 73.18N–.05 6.5E–.10 11 3.7b,3.4s
IDC VII 04 09 09 33.6–.69 73.10N 6.30E 0 3.8,3.7
BER VII 04 09 09 36.4–2.9 73.21N 6.60E 10 3.5L,2.3L
ISC Event type ke.
NAO Error ellipse: s-maj=0.3km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.0km az=21.1.
IDC Error ellipse: s-maj=16.2km s-min=13.2km az=44.0.
BER Error ellipse: s-maj=7.8km s-min=41.5km az=-1.0.
ISC VII 06 03 53 13.2–.82 73.08N–.07 6.90E–.08 12 3.4b 20 5-57
ISCJB VII 06 03 53 11.2–.63 73.19N–.06 6.7E–.30 12 3.3b ¶601663529
IDC VII 06 03 53 12.4–1.1 73.17N 6.52E 0 3.7,3.5
BER VII 06 03 53 15.7–2.2 73.19N 7.23E 10 1.9L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.9km az=156.5.
IDC Error ellipse: s-maj=21.8km s-min=16.7km az=52.0.
BER Error ellipse: s-maj=7.6km s-min=57.2km az=-1.0.
ISC VII 06 04 00 02.6–.93 73.22N–.10 6.7E–.10 11 3.3b 8 5-41
ISCJB VII 06 04 00 00.2–.89 73.17N–.09 6.7E–.40 11 3.3b ¶601663530
IDC VII 06 04 00 01.9–1.2 73.19N 6.69E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=12.7km az=154.2.
IDC Error ellipse: s-maj=23.3km s-min=16.0km az=71.0.
ISC VII 06 22 21 25.2–1.2 79.4N–.10 2.94E–.05 10 3.1s 18 2-59
IDC VII 06 22 21 26.1–3.3 79.53N 2.95E 0 3.8,3.8 ¶601663561
BER VII 06 22 21 28.9–1.3 79.65N 4.90E 0–11 2.3L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=32.4km az=126.0.
BER Error ellipse: s-maj=20.2km s-min=84.0km az=-1.0.
ISC VII 17 14 42 52.5–1.5 79.2N–.20 3.9E–.10 10 3.8b,2.9s 22 2-73
IDC VII 17 14 42 49.0–1.9 79.28N 1.97E 0 3.7,3.7b ¶601459419
BER VII 17 14 42 52.0–2.3 79.74N 3.89E 31–189 3.3L,2.8L
NAO VII 17 14 42 53.1–4.1 79.71N 5.79E 1–17 3.3L,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=22.9km az=136.0.
BER Error ellipse: s-maj=55.7km s-min=521.6km az=-1.0.
NAO Error ellipse: s-maj=0.6km s-min=0.1km az=-1.0.
ISC VII 23 04 38 43.0–1.9 79.52N–.05 3.20E–.04 4–11 4.6b,4.0s 548 2-151
MOS VII 23 04 38 40.6–1.2 79.41N 3.03E 10 4.8b,4.0s ¶601457928
ISCJB VII 23 04 38 41.9–.13 79.44N–.03 2.5E–.10 10 4.5b,4.0s
BJI VII 23 04 38 41.7 79.60N 3.30E 8 5.2b,4.7b
CSEM VII 23 04 38 42.2–.07 79.50N 3.11E 2 4.7b,4.7b
IDC VII 23 04 38 42.3–.39 79.50N 2.97E 0 4.2,4.1
NEIC VII 23 04 38 44.0–.15 79.48N 3.18E 10 4.7b,4.1
GCMT VII 23 04 38 44.0–.30 79.57N 2.69E 12 4.8W,4.1
BER VII 23 04 38 45.6–2.9 79.52N 4.31E 10 4.0L,3.2L
ISC Event type ke.
MOS Error ellipse: s-maj=30.2km s-min=5.3km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=30.3.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=37.0.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=33.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=29.0.
GCMT Error ellipse: s-maj=12.2km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s20,c21; s75,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.67±.08 $M_{\theta\theta}$0.25±.10; $M_{\phi\phi}$1.42±.06; $M_{r\theta}$0.44±.29; $M_{\theta\phi}$0.58±.06; $M_{\phi r}$-0.86±.23; Best double couple: NP1:ϕ_s2.00000°,δ59.00000°,λ-112.00000°. NP2:ϕ_s220.00000°,δ37.00000°,λ-59.00000°. Principal axes: T 1.7850,Plg11.0000°,Azm108.0000°; N 0.2540,Plg18.0000°,Azm14.0000°; P -2.0400,Plg68.0000°,Azm228.0000° $M_0$1.91300×10^{16}
BER Error ellipse: s-maj=26.3km s-min=112.7km az=-1.0.
ISC VII 28 10 14 44.6–.78 79.48N–.04 3.81E–.04 6–4 4.5b,3.9s 250 2-151
BER VII 28 10 14 40.2–4.5 80.04N 3.59E 10 4.2L,3.7L ¶601484414
MOS VII 28 10 14 42.7–1.4 79.54N 3.50E 10 4.6b,3.7L
IDC VII 28 10 14 43.3–.48 79.68N 3.84E 0 4.1,4.0
BJI VII 28 10 14 44.4 79.93N 4.90E 12 4.9b,4.7b
NEIC VII 28 10 14 45.6–.19 79.67N 4.38E 10 4.6b,4.7b
CSEM VII 28 10 14 45.0–.13 79.66N 4.51E 10 4.6b,4.7b
NAO VII 28 10 14 45.1–3.4 79.54N 4.71E 4.2L,4.7b
GCMT VII 28 10 14 45.6–.30 79.78N 3.03E 16–1 4.8W,4.7b
ISC Event type ke.
BER Error ellipse: s-maj=23.0km s-min=47.6km az=-1.0.
MOS Error ellipse: s-maj=34.5km s-min=5.4km az=95.1.
IDC Error ellipse: s-maj=13.7km s-min=9.0km az=42.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=52.0.
NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
GCMT Error ellipse: s-maj=8.9km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s23,c25; s82,c120; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.09 $M_{\theta\theta}$-1.69±.07; $M_{\phi\phi}$2.13±.08; $M_{r\theta}$0.34±.21; $M_{\theta\phi}$-0.46±.06; $M_{\phi r}$-1.40±.26; Best double couple: NP1:ϕ_s128.00000°,δ82.00000°,λ154.00000°. NP2:ϕ_s222.00000°,δ65.00000°,λ9.00000°. Principal axes: T 2.8150,Plg24.0000°,Azm82.0000°; N -1.0330,Plg63.0000°,Azm291.0000°; P -1.7800,Plg12.0000°,Azm177.0000° $M_0$2.29700×10^{16}
ISC VIII 20 23 18 10.3–1.9 73.1N–.10 5.8E–.20 11 3.5b,2.9s 12 5-46
ISCJB VIII 20 23 18 09.3–1.5 73.07N–.09 6.4E–.50 11 3.5b,3.0s ¶601766225
IDC VIII 20 23 18 09.3–2.2 72.99N 5.81E 0 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=12.4km az=5.1.
IDC Error ellipse: s-maj=38.3km s-min=20.3km az=95.0.
ISC IX 11 10 15 56.3–.29 73.36N–.04 8.02E–.04 11 4.6b,3.9s 422 3-145
BJI IX 11 10 15 53.9 73.40N 7.90E 10 5.0b,4.7b ¶601709216
ISCJB IX 11 10 15 54.7–.12 73.34N–.02 7.99E–.08 11 4.5b,3.9s
MOS IX 11 10 15 54.7–1.0 73.49N 7.89E 10 4.6b,3.9s
IDC IX 11 10 15 54.4–.43 73.41N 7.94E 0 4.4,4.3
NAO IX 11 10 15 54.2–1.5 73.38N 8.30E 4.4L,4.3
GCMT IX 11 10 15 55.4–.30 73.47N–.03 7.91E–.09 12 4.8W,4.3
NEIC IX 11 10 15 56.4–.13 73.37N 8.06E 10 4.6b,4.3
BER IX 11 10 15 57.0–4.5 73.44N 8.42E 10 4.4L,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=144.9.
MOS Error ellipse: s-maj=22.6km s-min=4.3km az=95.7.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=73.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s75,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.07 $M_{\theta\theta}$0.54±.07; $M_{\phi\phi}$1.08±.06; $M_{r\theta}$-0.33±.29; $M_{\theta\phi}$0.96±.06; $M_{\phi r}$-0.88±.26; Best double couple: NP1:ϕ_s28.00000°,δ59.00000°,λ-99.00000°. NP2:ϕ_s227.00000°,δ32.00000°,λ-74.00000°. Principal axes: T 2.0300,Plg14.0000°,Azm125.0000°; N -0.1480,Plg8.0000°,Azm33.0000°; P -1.8830,Plg74.0000°,Azm274.0000° $M_0$1.95700×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=56.0.
BER Error ellipse: s-maj=8.9km s-min=36.5km az=-1.0.
ISC IX 20 04 20 03.9–1.1 73.16N–.06 7.63E–.10 10 2.9s 36 3-43
ISCJB IX 20 04 20 01.7–.72 73.15N–.04 7.3E–.30 10 3.1b,3.0s ¶601735530
NAO IX 20 04 20 01.8–1.2 73.08N 6.81E 3.0L,3.0s
IDC IX 20 04 20 02.3–1.5 73.05N 6.60E 0 3.7,3.6
BER IX 20 04 20 05.9–2.3 73.15N 7.00E 15–52 3.0L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.6km az=7.0.
IDC Error ellipse: s-maj=31.1km s-min=16.2km az=76.0.
BER Error ellipse: s-maj=6.9km s-min=65.1km az=-1.0.
ISC IX 26 13 45 54.4–1.0 74.72N–.06 9.71E–.10 10 3.3b 19 3-41
BER IX 26 13 45 53.0–2.1 74.61N 8.70E 10 2.2L ¶601864208
ISCJB IX 26 13 45 54.0–.84 74.80N–.04 10.1E–.30 10 3.3b,3.0s
IDC IX 26 13 45 54.1–1.6 74.71N 9.18E 0 3.8,3.6
ISC Event type ke.
BER Error ellipse: s-maj=11.6km s-min=39.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.2km az=2.0.
IDC Error ellipse: s-maj=30.6km s-min=11.9km az=84.0.
ISC IX 26 17 16 59.5–.77 74.65N–.05 9.65E–.09 10 3.6b,3.2s 42 3-62
ISCJB IX 26 17 16 58.1–.60 74.69N–.03 9.8E–.20 10 3.6b,3.3s ¶606542251
IDC IX 26 17 16 58.9–.94 74.54N 9.38E 0 3.8,3.7
BER IX 26 17 17 01.4–4.2 74.70N 9.70E 2–42 3.4L,2.2L
NAO IX 26 17 17 04.9–3.6 74.81N 11.50E 8–24 3.4L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.6km az=11.0.
IDC Error ellipse: s-maj=19.0km s-min=10.7km az=78.0.
BER Error ellipse: s-maj=10.4km s-min=95.2km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
ISC X 23 15 45 07.4–.89 78.75N–.08 4.89E–.05 10 25 1-42
IDC X 23 15 45 03.7–6.8 78.59N 0.78E 0 3.7,3.6 ¶606635623
ISCJB X 23 15 45 07.0–.77 78.62N–.07 5.1E–.20 10 3.3b,3.6
BER X 23 15 45 14.1–1.6 78.74N 5.88E 15–107 3.2L,3.1L
NAO X 23 15 45 17.4–4.8 78.61N 7.56E 2–25 3.2L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=106.4km s-min=46.5km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.1km az=176.6.
BER Error ellipse: s-maj=20.9km s-min=397.4km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
ISC X 27 22 24 39.8–1.5 73.17N–.07 7.5E–.10 10 22 4-13
ISCJB X 27 22 24 37.6–.96 73.18N–.04 7.6E–.30 10 ¶606767968
NAO X 27 22 24 38.2–2.5 73.13N 7.13E 2.4L
BER X 27 22 24 40.0–2.7 73.16N 6.95E 0–38 2.4L,1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=5.2km az=177.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=8.2km s-min=76.3km az=-1.0.
ISC X 31 04 10 24.1–2.8 79.4N–.20 3.8E–.10 16 21 2-11
ISCJB X 31 04 10 21.3–1.1 79.4N–.10 3.5E–.30 16 ¶604507631
BER X 31 04 10 24.8–2.2 79.71N 4.25E 15–337 2.7L,2.1L
NAO X 31 04 10 26.3–3.5 79.67N 5.72E 2.7L,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=8.2km az=15.7.
BER Error ellipse: s-maj=136.7km s-min=999.9km az=-1.0.
ISC XI 19 00 04 42.3–.79 75.18N–.07 1.07E–.08 10 3.8b 21 4-66
ISCJB XI 19 00 04 39.2–.54 75.17N–.05 0.9E–.20 10 3.8b ¶601992800
IDC XI 19 00 04 41.1–1.1 74.95N 1.06E 0 3.9,3.9b
BER XI 19 00 04 43.4–1.9 75.31N 0.19E 10 2.1L,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.3km az=138.4.
IDC Error ellipse: s-maj=20.9km s-min=17.2km az=32.0.
BER Error ellipse: s-maj=8.2km s-min=42.5km az=-1.0.
ISC XII 01 18 23 27.1–.55 73.28N–.06 7.74E–.06 11 3.6s,3.5b 69 3-123
ISCJB XII 01 18 23 25.3–.41 73.36N–.03 8.0E–.20 11 3.6s,3.5b ¶601995673
IDC XII 01 18 23 26.0–.64 73.34N 7.62E 0 3.7,3.7s
NAO XII 01 18 23 25.7–1.6 73.39N 7.88E 3.4L,3.7s
BER XII 01 18 23 29.7–4.2 73.45N 7.74E 22–40 3.4L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=169.5.

IDC Error ellipse: s-maj=15.7km s-min=10.2km az=60.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=10.8km s-min=54.3km az=-1.0.
ISC XII 02 11 03 41.2–1.1 73.44N–.09 8.1E–.20 11 3.6b 10 5-60
ISCJB XII 02 11 03 39.3–.94 73.41N–.08 8.2E–.50 11 3.5s,3.5b **¶602390346**
IDC XII 02 11 03 39.8–1.1 73.38N 7.85E 0 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=11.0km az=174.8.
IDC Error ellipse: s-maj=24.3km s-min=14.0km az=82.0.
ISC XII 02 11 07 02.9–1.2 73.49N–.07 8.5E–.10 10 29 3-41
ISCJB XII 02 11 07 01.1–.73 73.39N–.04 8.2E–.30 10 2.8b **¶602046952**
IDC XII 02 11 07 02.2–1.7 73.31N 8.28E 0 3.3,3.2
NAO XII 02 11 07 04.2–7.9 73.40N 7.91E 17–70 2.6L,3.2
BER XII 02 11 07 04.7–3.2 73.46N 7.85E 10–60 2.3L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.2km az=175.9.
IDC Error ellipse: s-maj=29.4km s-min=14.2km az=58.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=12.0km s-min=97.1km az=-1.0.
ISC XII 02 12 13 19.4–.99 73.40N–.07 8.5E–.10 10 3.6b,3.6s 35 3-65
ISCJB XII 02 12 13 17.2–.79 73.44N–.04 8.2E–.30 10 3.5s,3.4b **¶602046954**
NAO XII 02 12 13 18.0–2.0 73.37N 8.23E 3.0L,3.4b
IDC XII 02 12 13 18.7–1.3 73.42N 7.88E 0 3.7,3.6b
BER XII 02 12 13 20.9–2.6 73.44N 8.17E 10 3.0L,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=5.8km az=174.7.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=29.4km s-min=14.3km az=78.0.
BER Error ellipse: s-maj=6.8km s-min=54.1km az=-1.0.
ISC XII 03 09 17 20.7–.39 73.40N–.05 7.80E–.05 11 4.2b,3.5s 222 3-123
MOS XII 03 09 17 19.2–1.2 73.51N 7.68E 10 4.3b,3.5s **¶601995946**
ISCJB XII 03 09 17 19.0–.23 73.43N–.02 7.7E–.10 11 4.2b,3.5s
IDC XII 03 09 17 19.0–.49 73.39N 7.17E 0 4.1,4.0
NEIC XII 03 09 17 20.6–.21 73.44N 7.45E 10 4.3b,4.0
NAO XII 03 09 17 20.2–1.7 73.43N 8.21E 3.7L,4.0
BER XII 03 09 17 22.4–3.3 73.46N 7.90E 10 3.7L,2.3L
ISC Event type se.
MOS Error ellipse: s-maj=22.5km s-min=5.8km az=97.1.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=162.8.
IDC Error ellipse: s-maj=14.0km s-min=9.4km az=49.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=65.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=7.0km s-min=47.0km az=-1.0.

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ISC VII 09 18 45 27.0–.45 81.27N–.07 2.58W–.06 10 4.0b,3.6s 80 3-120
ISCJB VII 09 18 45 25.3–.31 81.24N–.05 3.1W–.30 10 4.1b,3.7s **¶601254203**
IDC VII 09 18 45 25.7–.43 81.35N 3.20W 0 4.4L,4.1
CSEM VII 09 18 45 25.3–.16 81.32N 2.95W 2 4.6b,4.1
NEIC VII 09 18 45 27.1–.31 81.33N 2.87W 10 4.6b,4.1
BER VII 09 18 45 28.2–2.1 81.61N 1.02W 15–88 4.2L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=33.4.
IDC Error ellipse: s-maj=15.2km s-min=9.2km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.1km az=33.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.8km az=32.0.
BER Error ellipse: s-maj=62.8km s-min=140.9km az=-1.0.
ISC VII 11 16 19 33.7–.42 81.19N–.06 3.50W–.04 10 4.0b,3.6s 95 4-153
ISCJB VII 11 16 19 32.1–.28 81.19N–.04 3.6W–.20 10 4.1b,3.5s **¶601263775**
IDC VII 11 16 19 32.6–.51 81.32N 3.62W 0 4.1,4.1L
CSEM VII 11 16 19 33.4–.15 81.27N 3.28W 10 4.4b,4.1L
NEIC VII 11 16 19 33.8–.31 81.22N 3.48W 10 4.4b,4.1L
BER VII 11 16 19 34.9–3.8 81.70N 0.83W 16–202 4.0L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=26.3.
IDC Error ellipse: s-maj=15.7km s-min=11.0km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.6km az=27.0.
BER Error ellipse: s-maj=161.6km s-min=275.7km az=-1.0.
BER VII 21 13 27 17.7–2.0 81.08N 0.89E 10 3.6L,2.3L
¶601465758
BER Error ellipse: s-maj=41.0km s-min=277.3km az=-1.0.
ISC VII 28 11 23 43.4–.49 81.28N–.04 4.13W–.03 11–2 5.0b,4.1s 1062 4-175
BJI VII 28 11 23 40.9 81.30N 4.00W 10 5.0b,4.8b **¶601484417**
IDC VII 28 11 23 41.8–.30 81.32N 4.25W 0 4.5,4.5
CSEM VII 28 11 23 41.9–.05 81.35N 3.75W 2 5.0b,4.5
ISCJB VII 28 11 23 41.7–.09 81.29N–.02 4.30W–.09 10 4.9b,4.1s
MOS VII 28 11 23 41.7–.99 81.29N 3.98W 10 5.1b,4.0s
GCMT VII 28 11 23 43.8–.20 81.31N 4.18W 12 5.0W,4.0s
NEIC VII 28 11 23 43.8–.10 81.29N 3.97W 10 5.0b,4.0s
BER VII 28 11 23 46.1–3.3 81.23N 0.86W 10 5.1b,5.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=22.2.
MOS Error ellipse: s-maj=29.0km s-min=4.6km az=94.0.
GCMT Error ellipse: s-maj=6.7km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s40,c58; s97,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.10 $M_{\theta\theta}$-0.94±.12; $M_{\phi\phi}$4.13±.07; $M_{r\theta}$-0.29±.37; $M_{\theta\phi}$0.37±.08; $M_{\phi r}$-2.03±.25; Best double couple: NP1:ϕ_s7.00000°,δ60.00000°,λ-87.00000°. NP2:ϕ_s181.00000°,δ31.00000°,λ-95.00000°. Principal axes: T 4.6890,Plg15.0000°,Azm95.0000°; N -0.9650,Plg3.0000°,Azm185.0000°; P -3.7190,Plg75.0000°,Azm285.0000° $M_0$4.20400×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=216.0.
BER Error ellipse: s-maj=38.4km s-min=122.7km az=-1.0.
IDC VIII 01 01 24 51.5–2.3 85.49N 15.44E 0 4.1L,3.8
¶601765297
IDC Error ellipse: s-maj=197.5km s-min=22.1km az=82.0.
ISC VIII 01 10 45 34.6–.46 84.45N–.07 1.75E–.07 10 4.2b,3.7s 97 6-117
ISCJB VIII 01 10 45 33.0–.26 84.53N–.04 1.9E–.40 10 4.2b,3.6s **¶601498300**
IDC VIII 01 10 45 32.7–.56 84.62N 1.85E 0 4.1,4.1L
NEIC VIII 01 10 45 34.7–.24 84.48N 1.72E 10 4.3b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=135.7.
IDC Error ellipse: s-maj=18.8km s-min=11.0km az=47.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.8km az=47.0.
ISC VIII 25 10 48 00.5–.81 81.8N–.10 4.77W–.09 10 3.3s,3.3b 15 4-69
ISCJB VIII 25 10 47 58.7–.65 81.8N–.10 5.5W–.60 10 3.3b,3.2s **¶601766438**
IDC VIII 25 10 47 59.4–.85 81.88N 5.29W 0 4.1L,3.6
BER VIII 25 10 48 03.9–1.8 81.89N 3.88W 10 2.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=9.2km az=29.1.
IDC Error ellipse: s-maj=35.2km s-min=15.6km az=38.0.
BER Error ellipse: s-maj=91.8km s-min=472.7km az=-1.0.
ISC X 29 14 54 53.0–.31 80.73N–.05 3.38W–.04 10 4.7b,3.9s 235 3-152
MOS X 29 14 54 51.2–1.1 80.62N 3.59W 10 4.7b,3.9s **¶601857878**
ISCJB X 29 14 54 51.5–.14 80.68N–.03 3.6W–.10 10 4.6b,4.0s
BJI X 29 14 54 51.0 80.70N 3.40W 10 4.8b,4.6b
IDC X 29 14 54 52.1–.44 80.80N 3.35W 0 4.2,4.1
BER X 29 14 54 53.5–2.5 81.11N 1.51W 15–121 4.2L,2.9L
NEIC X 29 14 54 53.2–.15 80.70N 3.41W 10 4.9b,2.9L
ISC Event type se.
MOS Error ellipse: s-maj=34.9km s-min=6.6km az=95.8.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=26.5.
IDC Error ellipse: s-maj=14.6km s-min=9.7km az=36.0.
BER Error ellipse: s-maj=109.4km s-min=200.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.9km az=208.0.
ISC XI 08 16 01 25.4–3.6 80.33N–.09 1.6E–.20 10 20 2-12
BER XI 08 16 01 24.3–1.6 80.52N 0.89E 10 3.0L,2.4L **¶604507634**
ISC Event type ke.
BER Error ellipse: s-maj=31.8km s-min=135.8km az=-1.0.

ISC XI 30 20 07 15.8–.35 83.69N–.05 2.87W–.04 10 4.5b,3.6s 238 5-83
ISCJB XI 30 20 07 14.3–.17 83.77N–.03 3.3W–.30 10 4.5b,3.6s **¶601995499**
IDC XI 30 20 07 14.4–.51 83.83N 2.95W 0 4.2,4.1
MOS XI 30 20 07 14.0–1.2 83.70N 3.84W 10 4.7b,4.1
NEIC XI 30 20 07 16.0–.16 83.76N 3.10W 10 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=41.1.
IDC Error ellipse: s-maj=15.5km s-min=10.7km az=41.0.
MOS Error ellipse: s-maj=48.6km s-min=5.2km az=92.3.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=223.0.
ISC XII 06 11 53 09.9–.73 84.13N–.07 6.78E–.08 10 3.6b,2.9s 19 5-72
ISCJB XII 06 11 53 07.8–.73 84.08N–.09 5.7E–1.0 10 3.5b,2.9s **¶602390551**
IDC XII 06 11 53 08.3–.77 84.34N 4.96E 0 3.8,3.7L
IEPN XII 06 11 53 13.0 84.10N 9.34E 5 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=11.2km az=152.1.
IDC Error ellipse: s-maj=23.1km s-min=15.8km az=57.0.
IEPN station ZFI2 has station magnitude of 3.46.
ISC XII 31 17 11 28.5–.90 84.75N–.07 8.18E–.09 10 3.8b,3.3s 15 6-72
IDC XII 31 17 11 29.2–1.4 84.67N 2.61E 0 4.0,3.8 **¶602380504**
IEPN XII 31 17 11 34.0 84.67N 10.56E 5 4.0,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=82.6km s-min=15.8km az=57.0.
IEPN station ZFI2 has station magnitude of 3.20.

(642) Norwegian Sea.

ISC VIII 05 21 19 54.8–.57 64.57N–.05 4.46W–.04 10 3.3b 121 3-65
ISCJB VIII 05 21 19 53.5–.23 64.52N–.03 4.34W–.05 10 3.2b **¶601518422**
IDC VIII 05 21 19 54.5–.99 64.55N 4.45W 0 3.6,3.4
NAO VIII 05 21 19 57.8–2.5 64.63N 4.43W 62–145 2.9L,3.4
BER VIII 05 21 20 00.3–.93 64.36N 4.33W 10 3.6L,2.7L
REY VIII 05 21 20 03.4 64.64N 5.96W 4 3.6L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=18.3.
IDC Error ellipse: s-maj=23.4km s-min=16.0km az=30.0.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=7.1km s-min=9.2km az=-1.0.
ISC IX 14 19 22 54.7–1.0 72.38N–.09 3.3E–.10 10 3.4b,3.3s 28 4-68
NAO IX 14 19 22 51.9–3.2 72.28N 2.74E 3.1L,3.3s **¶601735377**
ISCJB IX 14 19 22 52.6–.84 72.36N–.05 3.4E–.30 10 3.4b,3.3s
IDC IX 14 19 22 53.5–1.4 72.25N 2.88E 0 3.8,3.6
BER IX 14 19 22 55.0–2.6 72.39N 3.46E 10 3.1L,2.1L
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.7km az=172.9.
IDC Error ellipse: s-maj=29.3km s-min=18.3km az=74.0.
BER Error ellipse: s-maj=9.5km s-min=55.8km az=-1.0.
ISC IX 15 16 43 58.9–1.1 72.45N–.08 3.81E–.09 10 3.6b 39 5-37
IDC IX 15 16 43 56.8–1.5 72.41N 3.13E 0 3.7,3.7b **¶601735379**
NAO IX 15 16 43 57.4–3.5 72.37N 3.18E 2.9L,3.7b
ISCJB IX 15 16 43 58.3–.82 72.46N–.05 4.3E–.20 10 3.6b,3.7b
BER IX 15 16 43 59.3–2.2 72.46N 3.06E 0–50 2.9L,2.2L
HEL IX 15 16 44 03.3–.20 72.25N 4.01E 10 2.9L,2.6L
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=21.2km az=39.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.6km az=44.7.
BER Error ellipse: s-maj=11.5km s-min=90.6km az=-1.0.
HEL Error ellipse: s-maj=2.4km s-min=1.3km az=-1.0. Probable volcanic.
ISC IX 15 17 22 47.5–1.4 72.36N–.09 3.7E–.10 10 56 5-24
IDC IX 15 17 22 46.4–2.5 72.20N 3.21E 0 3.6,3.6 **¶601735380**
NAO IX 15 17 22 46.7–10 72.29N 2.82E 18–104 3.1L,3.6
ISCJB IX 15 17 22 47.1–.79 72.42N–.05 4.3E–.20 10 3.1b,3.6
BER IX 15 17 22 47.3–2.9 72.38N 2.73E 7–44 3.1L,2.3L
HEL IX 15 17 22 49.5–.20 72.48N 3.94E 10 3.1L,2.6L
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=24.9km az=100.0.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.1km az=143.3.
BER Error ellipse: s-maj=10.8km s-min=93.2km az=-1.0.
HEL Error ellipse: s-maj=1.6km s-min=2.1km az=-1.0. Probable volcanic.
ISC IX 15 17 43 46.9–1.4 72.32N–.10 3.13E–.09 10 16 4-13
ISCJB IX 15 17 43 45.3–1.0 72.30N–.08 3.5E–.20 10 **¶606683952**
NAO IX 15 17 43 46.1–3.8 72.26N 2.91E 2.9L
BER IX 15 17 43 47.4–2.4 72.39N 2.70E 2–50 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=8.7km az=32.8.
NAO Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=13.1km s-min=105.8km az=-1.0.
ISC IX 16 02 12 01.2–.65 72.38N–.06 3.12E–.07 10 3.6b,3.3s 54 6-124
IDC IX 16 02 11 59.3–.73 72.35N 2.44E 0 3.8,3.7 **¶601735382**
BER IX 16 02 12 01.5–2.0 72.39N 2.43E 10 2.2L,3.7
NAO IX 16 02 12 01.7–10 72.22N 2.70E 15–117 3.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=13.5km az=56.0.
BER Error ellipse: s-maj=10.2km s-min=43.4km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
ISC IX 16 21 55 56.6–.43 72.42N–.06 2.82E–.05 10 4.2b,3.7s 137 4-144
IDC IX 16 21 55 54.7–.61 72.37N 2.34E 0 4.0,3.9 **¶601718047**
ISCJB IX 16 21 55 55.3–.35 72.43N–.03 2.9E–.20 10 4.1b,3.7s
NAO IX 16 21 55 56.7–2.3 72.35N 3.15E 3.6L,3.7s
NEIC IX 16 21 55 56.2–.32 72.42N 2.42E 10 4.4b,3.7s
BER IX 16 21 55 59.9–3.3 72.46N 3.03E 10 3.6L,2.7L
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=12.6km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=2.1.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=63.0.
BER Error ellipse: s-maj=8.6km s-min=40.2km az=-1.0.
ISC IX 17 00 29 08.1–1.6 72.43N–.10 3.4E–.10 10 19 6-24
NAO IX 17 00 29 05.8–3.5 72.31N 2.93E 2.7L **¶601735384**
ISCJB IX 17 00 29 06.7–1.1 72.47N–.07 3.8E–.30 10 2.8b
IDC IX 17 00 29 06.8–7.3 72.40N 3.13E 0 3.5,3.4
BER IX 17 00 29 08.5–2.0 72.43N 2.70E 10 2.7L,2.0L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.4km az=158.3.
IDC Error ellipse: s-maj=108.8km s-min=33.5km az=160.0.
BER Error ellipse: s-maj=9.1km s-min=46.9km az=-1.0.
ISC IX 17 13 39 23.0–.47 72.42N–.05 2.77E–.05 10 4.0b,3.5s 88 4-124
ISCJB IX 17 13 39 21.5–.34 72.44N–.03 3.3E–.10 10 3.9b,3.5s **¶601721524**
IDC IX 17 13 39 22.3–.77 72.34N 2.59E 0 4.0,3.9
NEIC IX 17 13 39 23.1–.30 72.42N 2.66E 10 4.3b,3.9
BER IX 17 13 39 24.9–2.4 72.40N 2.67E 10 4.0L,2.4L
NAO IX 17 13 39 24.3–11 72.35N 2.70E 22–109 4.0L,2.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=151.3.
IDC Error ellipse: s-maj=17.8km s-min=13.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=52.0.
BER Error ellipse: s-maj=8.3km s-min=40.8km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
ISC IX 17 16 08 46.5–2.1 72.43N–.05 2.72E–.04 14–13 4.5b,4.0s 237 4-145
BJI IX 17 16 08 42.8 72.61N 2.17E 9 4.9b,4.6b **¶601721529**
MOS IX 17 16 08 44.4–1.5 72.52N 2.71E 10 4.5b,4.6b
IDC IX 17 16 08 44.2–.52 72.35N 2.34E 0 4.2,4.0
NEIC IX 17 16 08 45.9–.20 72.43N 2.62E 10 4.6b,4.0
GCMT IX 17 16 08 45.8–.20 72.46N–.03 2.60E–.08 12 4.8W,4.0
NAO IX 17 16 08 47.3–9.0 72.38N 2.88E 19–72 4.1L,4.0
BER IX 17 16 08 48.3–2.5 72.46N 2.83E 10 4.1L,2.9L
ISC Event type se.
MOS Error ellipse: s-maj=20.5km s-min=5.2km az=99.0.

IDC Error ellipse: s-maj=13.7km s-min=11.2km az=44.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=47.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c23; s88,c132;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.04±.07 $M_{\theta\theta}$0.74±.07; $M_{\phi\phi}$1.30±.07; $M_{r\theta}$-0.11±.36; $M_{\theta\phi}$1.06±.06; $M_{\phi r}$-1.22±.28; Best double couple: NP1:ϕ_s22.00000°,δ60.00000°,λ-106.00000°. NP2:ϕ_s232.00000°,δ34.00000°,λ-64.00000°. Principal axes: T 2.3680,Plg14.0000° ,Azm124.0000°; N 0.0860,Plg14.0000°,Azm30.0000°; P -2.4560,Plg70.0000°,Azm257.0000° $M_0$2.41200×10^{16}
BER Error ellipse: s-maj=7.2km s-min=36.4km az=-1.0.

ISC	**IX**	**17 18 53 09.5–.69**	**72.32N–.07**	**3.11E–.07**	**10**	**3.7b,3.3s**	**46**	**5-124**
ISCJB	IX	17 18 53 08.0–.59	72.34N–.05	3.5E–.10	10	3.8b,3.4s		**¶601735386**
NAO	IX	17 18 53 08.1–2.9	72.37N	2.82E		3.2L,3.4s		
IDC	IX	17 18 53 08.1–.84	72.23N	2.70E	0	3.7,3.6		
BER	IX	17 18 53 09.4–1.9	72.41N	2.43E	10	3.2L,2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.4km az=11.5.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=15.2km az=67.0.
BER Error ellipse: s-maj=8.0km s-min=40.9km az=-1.0.

ISC	**IX**	**17 19 33 57.8–.93**	**72.41N–.07**	**3.03E–.09**	**10**	**3.6b**	**35**	**6-59**
ISCJB	IX	17 19 33 56.7–.70	72.43N–.05	3.5E–.20	10	3.4b		**¶601735387**
IDC	IX	17 19 33 56.4–1.2	72.34N	2.69E	0	3.7,3.6		
BER	IX	17 19 33 57.6–3.0	72.42N	1.95E	10	2.9L,2.1L		
NAO	IX	17 19 33 58.5–10	72.36N	2.90E	8–108	2.9L,2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.5km az=161.9.
IDC Error ellipse: s-maj=21.1km s-min=15.6km az=83.0.
BER Error ellipse: s-maj=14.6km s-min=55.3km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.

ISC	**IX**	**18 00 35 25.4–.46**	**72.61N–.05**	**2.96E–.06**	**10**	**4.0b,3.5s**	**90**	**5-145**
ISCJB	IX	18 00 35 24.7–.40	72.65N–.04	3.3E–.20	10	3.8b,3.5s		**¶601721798**
NAO	IX	18 00 35 24.2–819	72.41N	2.24E	13–954	4.1L,3.5s		
IDC	IX	18 00 35 24.1–.61	72.51N	2.45E	0	4.0,3.9		
BER	IX	18 00 35 25.8–2.7	72.48N	2.16E	15–70	4.1L,2.2L		
NEIC	IX	18 00 35 25.6–.35	72.52N	2.71E	10	4.3b,2.2L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.6km az=171.7.
NAO Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=16.1km s-min=12.2km az=66.0.
BER Error ellipse: s-maj=10.3km s-min=95.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=72.0.

ISC	**XII**	**04 22 53 21.7–1.4**	**63.07N–.05**	**2.85E–.07**	**10**		**64**	**2-11**
ISCJB	XII	04 22 53 22.2–.62	63.04N–.03	3.19E–.10	10			**¶601996055**
BER	XII	04 22 53 25.5–2.6	63.05N	2.97E	10	2.7L,2.4L		
NAO	XII	04 22 53 25.1–3.4	62.96N	3.18E	11–19	2.7L,2.4L		
IDC	XII	04 22 53 27.3–4.6	63.17N	3.73E	0	3.5,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=10.7.
BER Error ellipse: s-maj=4.1km s-min=12.3km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=29.5km az=78.0.

(643) Svalbard region.

ISC	**VII**	**29 23 30 35.1–.99**	**77.52N–.07**	**7.44E–.06**	**10**		**16**	**2-9**
ISCJB	VII	29 23 30 34.0–1.0	77.42N–.06	7.8E–.30	10			**¶601494712**
CSEM	VII	29 23 30 35.8–.62	77.51N	7.74E	8–5	2.8L		
NAO	VII	29 23 30 40.5–2.6	77.54N	8.80E	20–19	2.8L		
BER	VII	29 23 30 40.1–3.6	77.41N	8.64E	10	2.8L,2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=9.3km az=163.9.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=8.0km az=28.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=10.0km s-min=72.0km az=-1.0.

ISC	**IX**	**02 12 44 03.4–.47**	**78.47N–.03**	**7.00E–.03**	**8–2**	**5.2b,4.9s**	**1678**	**1-150**
BJI	IX	02 12 44 00.0	78.40N	6.80E	5	5.6s,5.3		**¶601670454**
IDC	IX	02 12 44 01.8–.29	78.41N	6.87E	0	4.8,4.8		
MOS	IX	02 12 44 01.5–.90	78.46N	6.81E	10	5.4b,4.7s		
GCMT	IX	02 12 44 02.5–.10	78.42N–.01	6.59E–.03	12	5.4W,4.7s		
NAO	IX	02 12 44 02.6–1.6	78.37N	8.10E		5.0L,4.7s		
ISCJB	IX	02 12 44 02.2–.07	78.45N–.01	6.48E–.06	14	5.2b,4.8s		
BER	IX	02 12 44 03.6–4.1	78.57N	7.34E	10	5.0L,4.5L		
NEIC	IX	02 12 44 03.5–.07	78.43N	6.76E	10	5.2b,4.5L		

ISC Event type se.
IDC Error ellipse: s-maj=8.5km s-min=6.6km az=35.0.
MOS Error ellipse: s-maj=18.8km s-min=3.0km az=92.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c158; s134,c260;Duration: 1⇕2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.02 $M_{\theta\theta}$-0.73±.02; $M_{\phi\phi}$1.40±.02; $M_{r\theta}$0.18±.06; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.37±.05; Best double couple: NP1:ϕ_s339.00000°,δ74.00000°,λ-153.00000°. NP2:ϕ_s241.00000°,δ64.00000°,λ-18.00000°. Principal axes: T 1.7220,Plg7.0000° ,Azm108.0000°; N -0.5320,Plg59.0000°,Azm6.0000°; P -1.1900,Plg30.0000°,Azm202.0000° $M_0$1.45600×10^{17}
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.1km s-min=1.2km az=137.4.
BER Error ellipse: s-maj=14.7km s-min=54.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.2km az=56.0.

ISC	**IX**	**02 19 05 49.8–.96**	**78.32N–.07**	**7.96E–.07**	**10**	**3.4b,2.9s**	**19**	**1-41**
ISCJB	IX	02 19 05 49.1–1.0	78.34N–.07	8.1E–.40	10	3.5b,3.0s		**¶601674418**
BER	IX	02 19 05 49.5–1.7	78.51N	7.34E	12–28	3.3L,3.0s		
IDC	IX	02 19 05 49.8–1.3	78.34N	7.89E	0	3.7,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.0km az=34.0.
BER Error ellipse: s-maj=19.1km s-min=70.4km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=15.5km az=52.0.

ISC	**IX**	**09 01 39 18.2–.79**	**78.42N–.07**	**7.07E–.05**	**14**	**3.8b,3.3s**	**41**	**1-65**
ISCJB	IX	09 01 39 16.1–.63	78.41N–.06	7.0E–.20	14	3.6b,3.4s		**¶601715682**
IDC	IX	09 01 39 18.8–2.1	78.45N	7.07E	0	3.7,3.7		
NAO	IX	09 01 39 20.6–2.0	78.41N	8.42E		3.3L,3.7		
BER	IX	09 01 39 21.7–3.9	78.39N	8.15E	10	3.0L,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=157.6.
IDC Error ellipse: s-maj=36.1km s-min=17.3km az=149.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=12.2km s-min=49.5km az=-1.0.

ISC	**IX**	**13 00 22 55.8–2.7**	**78.25N–.08**	**7.9E–.20**	**10**		**12**	**1-10**
NAO	IX	13 00 22 56.0–2.4	78.36N	8.00E		2.7L		**¶606542224**
BER	IX	13 00 22 57.9–2.0	78.35N	8.05E	10	2.4L		

ISC Event type ke.
BER Error ellipse: s-maj=6.7km s-min=49.1km az=-1.0.

ISC	**IX**	**15 02 41 31.6–.66**	**76.63N–.06**	**7.58E–.06**	**10**	**3.6b,3.2s**	**34**	**2-76**
ISCJB	IX	15 02 41 30.6–.62	76.55N–.04	8.2E–.20	10	3.5b,3.1s		**¶601735378**
IDC	IX	15 02 41 31.4–.79	76.55N	7.17E	0	3.8,3.7		
BER	IX	15 02 41 33.9–2.7	76.67N	7.87E	10	3.1L,2.4L		
NAO	IX	15 02 41 36.3–3.1	76.85N	9.39E	29–24	3.1L,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=24.2.
IDC Error ellipse: s-maj=19.7km s-min=13.3km az=58.0.
BER Error ellipse: s-maj=6.9km s-min=50.8km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

ISC	**X**	**06 01 19 34.9–1.4**	**76.07N–.04**	**7.78E–.04**	**10–8**	**4.7b,4.1s**	**397**	**2-148**
GCMT	X	06 01 19 32.8–.20	75.97N–.02	6.88E–.05	12	4.9W,4.1s		**¶601792484**
IDC	X	06 01 19 32.6–.45	75.96N	7.32E	0	4.2,4.1		
BJI	X	06 01 19 33.4	76.10N	7.70E	6	5.0b,4.9b		
NAO	X	06 01 19 33.9–2.1	75.94N	7.88E	20–14	4.5L,4.9b		
BER	X	06 01 19 33.7–3.5	76.05N	7.34E	10	4.5L,2.9L		
MOS	X	06 01 19 33.2–1.4	76.10N	7.25E	10	4.8b,4.0s		
ISCJB	X	06 01 19 33.1–.12	76.05N–.02	7.51E–.09	10	4.6b,4.1s		
NEIC	X	06 01 19 34.8–.13	76.05N	7.66E	10	4.8b,4.1s		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c37; s99,c156;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.07 $M_{\theta\theta}$-0.14±.08; $M_{\phi\phi}$2.54±.06; $M_{r\theta}$0.06±.28; $M_{\theta\phi}$0.99±.06; $M_{\phi r}$-1.07±.20; Best double couple: NP1:ϕ_s9.00000°,δ56.00000°,λ-102.00000°. NP2:ϕ_s209.00000°,δ36.00000°,λ-73.00000°. Principal axes: T 3.0530,Plg10.0000° ,Azm107.0000°; N -0.4020,Plg10.0000°,Azm15.0000°; P -2.6500,Plg76.0000° ,Azm244.0000° $M_0$2.85200×10^{16}
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=70.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=6.4km s-min=35.0km az=-1.0.
MOS Error ellipse: s-maj=22.4km s-min=4.9km az=93.2.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.5km az=42.3.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.9km az=48.0.

ISC	**XI**	**16 15 34 02.0–1.1**	**77.18N–.05**	**18.07E–.04**	**32–12**		**25**	**1-8**
NAO	XI	16 15 34 01.9–1.4	77.26N	18.15E	15–11	2.5L		**¶604507639**
BER	XI	16 15 34 04.2–2.8	77.22N	17.94E	22–16	2.5L,2.4L		

ISC Event type ke.
BER Error ellipse: s-maj=7.7km s-min=31.3km az=-1.0.

ISC	**XI**	**26 11 31 36.1–1.5**	**76.44N–.09**	**16.7E–.20**	**13–14**		**23**	**1-7**
NAO	XI	26 11 31 36.7–1.2	76.47N	16.52E	8–11	3.1L		**¶607167754**
BER	XI	26 11 31 38.3–4.3	76.47N	16.58E	15–28	3.1L,2.8L		

ISC Event type ke.
BER Error ellipse: s-maj=14.0km s-min=148.8km az=-1.0.

ISC	**XII**	**06 00 17 37.4–1.3**	**76.87N–.07**	**18.69E–.06**	**30–15**		**20**	**1-8**
NAO	XII	06 00 17 36.3–1.4	76.91N	18.89E	7–12	2.5L		**¶607215268**
BER	XII	06 00 17 39.1–2.8	76.86N	18.50E	22–17	2.5L,2.0L		

ISC Event type ke.
BER Error ellipse: s-maj=9.9km s-min=52.3km az=-1.0.

ISC	**XII**	**06 21 11 49.4–1.9**	**77.02N–.05**	**19.26E–.06**	**11–16**		**23**	**1-8**
NAO	XII	06 21 11 49.0–1.1	76.96N	18.99E	12–10	2.5L		**¶604507652**
IEPN	XII	06 21 11 52.0	77.09N	20.15E	5	2.5L		
BER	XII	06 21 11 52.3–2.4	76.99N	18.83E	20–17	2.5L,2.3L		

ISC Event type ke.
IEPN station ZFI2 has station magnitude of 2.63.
BER Error ellipse: s-maj=5.6km s-min=40.7km az=-1.0.

ISC	**XII**	**07 00 48 39.3–2.3**	**77.07N–.05**	**19.36E–.08**	**3–20**		**28**	**1-8**
NAO	XII	07 00 48 40.2–1.5	76.98N	18.98E	15–13	2.5L		**¶604507653**
BER	XII	07 00 48 42.7–2.7	77.02N	18.97E	15–16	2.5L,2.2L		
IEPN	XII	07 00 48 44.0	77.19N	20.47E	5	2.5L,2.2L		

ISC Event type ke.
BER Error ellipse: s-maj=6.4km s-min=34.2km az=-1.0.
IEPN station ZFI2 has station magnitude of 2.51.

ISC	**XII**	**26 23 58 35.8–1.2**	**77.04N–.03**	**19.21E–.03**	**8–11**		**30**	**1-8**
NAO	XII	26 23 58 36.7–1.1	76.95N	18.85E	9–10	2.7L		**¶604507666**
IEPN	XII	26 23 58 39.0	77.04N	19.91E	5	2.7L		
BER	XII	26 23 58 39.8–2.0	76.98N	18.76E	23–14	2.7L,2.5L		

ISC Event type ke.
IEPN station ZFI2 has station magnitude of 2.96.
BER Error ellipse: s-maj=4.6km s-min=36.0km az=-1.0.

(644) North of Franz Josef Land.

ISC	**XI**	**01 20 34 16.4–.71**	**86.73N–.08**	**51.3E–.10**	**10**	**3.9b,3.3s**	**15**	**9-69**
ISCJB	XI	01 20 34 14.5–.53	86.77N–.07	53E–2.0	10	3.8b,3.4s		**¶601906478**
IDC	XI	01 20 34 15.2–.76	86.80N	53.52E	0	4.1,3.8		
NEIC	XI	01 20 34 16.6–.47	86.80N	52.24E	10	4.4b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.4km az=171.8.
IDC Error ellipse: s-maj=25.8km s-min=15.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.4km az=91.0.

(646) Northern Norway.

ISC	**IX**	**05 08 25 46.6–2.0**	**67.7N–.10**	**15.09E–.05**	**8–18**		**17**	**0-3**
BER	IX	05 08 25 46.4–.40	67.93N	15.52E	28–1	1.1L		**¶604158351**
UPP	IX	05 08 25 47.8–1.2	67.65N	15.37E	0	2.5L		

ISC Event type ke.
BER Error ellipse: s-maj=2.2km s-min=12.2km az=-1.0.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(647) Barents Sea.

ISC	**X**	**21 10 42 46.2–1.0**	**76.13N–.04**	**25.19E–.06**	**10**		**26**	**2-7**
ISCJB	X	21 10 42 46.3–.90	76.12N–.04	24.5E–.20	10			**¶606635622**
NAO	X	21 10 42 48.3–2.7	76.04N	24.05E	11–15	2.6L		
BER	X	21 10 42 48.9–2.5	76.14N	25.14E	15	2.6L,1.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=176.6.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=4.6km s-min=41.4km az=-1.0.

(651) North of Severnaya Zemlya.

ISC	**VII**	**26 16 51 42.1–.70**	**85.5N–.10**	**85.5E–.10**	**14**	**3.6b,3.1s**	**13**	**11-78**
IDC	VII	26 16 51 40.0–.76	85.50N	85.74E	0	3.8,3.7		**¶601666487**
ISCJB	VII	26 16 51 40.2–.56	85.52N–.10	84.8E–1.0	14	3.6b,3.2s		

ISC Event type ke.
ISCJB Event type ke.

IDC	**VIII**	**05 03 50 04.2–1.1**	**83.03N**	**117.07E**	**0**	**3.6,3.4**		
								¶601765480

IDC Error ellipse: s-maj=39.0km s-min=18.8km az=162.0.

ISC	**IX**	**13 17 23 47.0–.33**	**82.92N–.05**	**117.53E–.05**	**10**	**5.0b,4.5s**	**555**	**12-162**
BJI	IX	13 17 23 42.3	83.10N	116.62E	6	5.1b,4.9s		**¶601712983**
IDC	IX	13 17 23 45.6–.83	83.10N	117.01E	0	4.6,4.4		
MOS	IX	13 17 23 45.3–.98	82.78N	117.20E	10	5.2b,4.5s		
ISCJB	IX	13 17 23 45.7–.15	83.05N–.03	117.1E–.20	10	4.9b,4.4s		
GCMT	IX	13 17 23 47.3–.10	82.88N–.01	116.76E–.07	12	5.2W,4.4s		
NEIC	IX	13 17 23 47.4–.22	82.90N	116.86E	10	5.1b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=11.8km az=166.0.
MOS Error ellipse: s-maj=37.2km s-min=7.0km az=89.1.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.3km az=161.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c66; s134,c248;Duration: 1⇕0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.65±.01; $M_{r\theta}$-0.22±.05; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$0.17±.04; Best double couple: NP1:ϕ_s146.00000°,δ54.00000°,λ-98.00000°. NP2:ϕ_s340.00000°,δ37.00000°,λ-79.00000°. Principal axes: T 0.8470,Plg8.0000° ,Azm242.0000°; N 0.0620,Plg7.0000°,Azm151.0000°; P -0.9090,Plg79.0000°,Azm22.0000° $M_0$0.87800×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.1km az=170.0.

ISC	**IX**	**19 18 23 42.3–.98**	**85.4N–.20**	**89.2E–.20**	**10**	**3.5b**	**6**	**16-39**
ISCJB	IX	19 18 23 40.5–.88	85.4N–.10	89E–2.0	10	3.4b,2.6s		**¶601863843**
IDC	IX	19 18 23 41.0–1.1	85.39N	89.91E	0	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=16.1km az=137.5.
IDC Error ellipse: s-maj=32.1km s-min=20.9km az=126.0.

IDC	**X**	**05 00 31 21.4–4.9**	**84.63N**	**110.35E**	**0**	**3.9,3.7**		
								¶601997082

IDC Error ellipse: s-maj=177.4km s-min=28.8km az=172.0.

ISC	**X**	**19 05 09 11.8–.52**	**85.52N–.08**	**84.42E–.08**	**13**	**4.1b,3.2s**	**58**	**6-158**
IDC	X	19 05 09 09.6–.68	85.60N	85.27E	0	4.0,3.9		**¶601857655**
ISCJB	X	19 05 09 10.1–.29	85.55N–.05	84.4E–.70	13	4.1b,3.2s		
NEIC	X	19 05 09 11.4–.30	85.54N	85.44E	10	4.4b,3.2s		

ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=13.6km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=34.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.8km az=134.0.

ISC	**XI**	**02 03 05 57.4–.59**	**85.71N–.10**	**82.24E–.07**	**10**	**4.2b,3.8s**	**36**	**10-76**
ISCJB	XI	02 03 05 55.5–.39	85.69N–.06	83.0E–.80	10	4.0b,3.8s		**¶601902243**
IDC	XI	02 03 05 55.6–.77	85.68N	83.95E	0	4.0,3.9		
NEIC	XI	02 03 05 57.4–.39	85.69N	82.85E	10	4.3b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.9km az=147.6.
IDC Error ellipse: s-maj=22.2km s-min=16.3km az=135.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=144.0.

ISC	**XI**	**02 04 18 00.8–1.0**	**85.5N–.20**	**82.52E–.08**	**10**	**4.1b,3.4s**	**26**	**6-83**	
IDC	XI	02 04 17 57.9–.69	85.71N	83.80E	0	4.1,3.9			¶601909737
NEIC	XI	02 04 17 59.4–.30	85.71N	83.69E	10	4.4b,3.9			
IEPN	XI	02 04 18 04.0	85.12N	83.24E	20	4.4b,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.2km s-min=13.3km az=143.0.								
NEIC	Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=139.0.								
IEPN	station ZFI2 has station magnitude of 3.40.								

(654) East of Severnaya Zemlya.

ISC	**VII**	**27 14 01 27.6–.41**	**79.12N–.06**	**123.98E–.07**	**10**	**4.4b,3.4s**	**137**	**8-83**	
ISCJB	VII	27 14 01 25.6–.19	79.21N–.04	124.0E–.10	10	4.2b,3.3s			¶601506068
IDC	VII	27 14 01 26.0–.61	79.21N	124.16E	0	4.1,3.9			
NEIC	VII	27 14 01 27.4–.14	79.19N	123.95E	10	4.4b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=3.6km az=1.6.								
IDC	Error ellipse: s-maj=15.7km s-min=13.5km az=4.0.								
NEIC	Event type se. Error ellipse: s-maj=4.0km s-min=2.7km az=183.0.								
ISC	**VIII**	**08 03 19 28.6–.51**	**80.74N–.09**	**122.04E–.07**	**17**	**4.2b,3.4s**	**136**	**9-82**	
IDC	VIII	08 03 19 25.3–.57	80.74N	121.86E	0	4.1,3.9			¶601734823
ISCJB	VIII	08 03 19 27.1–.28	80.73N–.06	121.9E–.20	17	4.2b,3.4s			
MOS	VIII	08 03 19 27.0–.79	80.67N	122.11E	21	4.3b,3.4s			
NEIC	VIII	08 03 19 32.2–2.5	80.79N	121.58E	44–24	4.4b,3.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=17.1km s-min=10.7km az=159.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=4.6km az=164.9.								
MOS	Error ellipse: s-maj=40.8km s-min=10.0km az=91.0.								
NEIC	Event type se. Error ellipse: s-maj=8.7km s-min=4.7km az=162.0.								
ISC	**XII**	**13 23 03 39.0–.39**	**80.80N–.03**	**121.75E–.03**	**15–2**	**5.7b,5.2s**	**2132**	**9-171**	
ISCJB	XII	13 23 03 35.8–.54	80.88N–.01	121.90E–.06	6–3	5.6b,5.2s			¶602043449
BJI	XII	13 23 03 35.6	80.80N	121.40E	10	5.8b,5.6s			
IDC	XII	13 23 03 36.2–.28	80.84N	122.00E	0	5.1,5.0			
MOS	XII	13 23 03 36.6–.87	80.75N	121.80E	10	5.9b,5.1s			
GCMT	XII	13 23 03 37.5–.10	80.88N–.01	121.39E–.03	12	5.6W,5.1s			
NEIC	XII	13 23 03 38.5–.08	80.80N	121.38E	10	5.7b,5.6W			
IEPN	XII	13 23 03 38.0	80.86N	121.67E	5	5.7b,5.6W			
NEIC	XII	13 23 03 38.0–.00	80.78N	121.56E	11	5.7b,5.6W			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=2.2km s-min=1.4km az=157.6.								
IDC	Error ellipse: s-maj=7.9km s-min=7.4km az=173.0.								
MOS	Error ellipse: s-maj=17.9km s-min=3.9km az=94.5.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c159; s136,c373;Duration: 1§5 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.03 $M_{\theta\theta}$0.59±.03; $M_{\phi\phi}$2.62±.03; $M_{r\theta}$-0.12±.09; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.08±.08; Best double couple: NP1:ϕ_s339.00000°,δ45.00000°,λ-87.00000°. NP2:ϕ_s154.00000°,δ45.00000°,λ-93.00000°. Principal axes: T 3.1010,Plg0.0000° ,Azm66.0000°; N 0.1110,Plg2.0000°,Azm156.0000°; P -3.2060,Plg88.0000°,Azm330.0000° $M_0$3.15400×10^{17}								
NEIC	Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=158.0. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.85 $M_{\theta\theta}$0.50 $M_{\phi\phi}$1.36 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.94 $M_{\phi r}$-1.83 Best double couple: NP1:ϕ_s336.00000°,δ68.00000°,λ-83.00000°. NP2:ϕ_s138.00000° ,δ23.00000°,λ-107.00000°. Principal axes: T 2.7600,Plg23.0000°,Azm61.0000° ; N -0.0600,Plg7.0000°,Azm154.0000°; P -2.7000,Plg66.0000°,Azm259.0000° $M_0$2.70000×10^{17}								
IEPN	station ZFI2 has station magnitude of 3.92.								
NEIC	Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.21 $M_{\theta\theta}$0.21 $M_{\phi\phi}$2.00 $M_{r\theta}$0.70 $M_{\theta\phi}$-1.06 $M_{\phi r}$0.87 Best double couple: NP1:ϕ_s177.00000° ,δ55.00000°,λ-62.00000°. NP2:ϕ_s314.00000°,δ43.00000°,λ-123.00000°. Principal axes: T 2.5400,Plg6.0000°,Azm247.0000°; N 0.1300,Plg22.0000°,Azm340.0000° ; P -2.6700,Plg66.0000°,Azm142.0000° $M_0$2.60000×10^{17}								
IDC	**XII**	**14 05 17 33.5–3.0**	**79.98N**	**121.05E**	**0**	**3.7,3.7L**			
									¶602391301
IDC	Error ellipse: s-maj=90.1km s-min=23.5km az=180.0.								

(655) Laptev Sea.

ISC	**VII**	**06 08 11 04.4–.76**	**77.64N–.09**	**127.0E–.10**	**10**	**3.6b**	**11**	**6-69**	
ISCJB	VII	06 08 11 02.7–.66	77.7N–.10	126.9E–.50	10	3.5b			¶601663534
IDC	VII	06 08 11 03.3–.88	77.81N	126.79E	0	6.1L,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=17.1km s-min=13.0km az=144.9.								
IDC	Error ellipse: s-maj=29.8km s-min=16.1km az=154.0.								

SEISMIC REGION 41.
Eastern Asia.

(656) Southeastern Siberia.

IDC	**X**	**02 06 07 57.7–780**	**50.78N**	**129.82E**	**0**	
						¶601996767
IDC	Error ellipse: s-maj=293.8km s-min=136.3km az=158.0.					
IDC	**X**	**02 07 54 04.6–774**	**50.69N**	**129.89E**	**0**	
						¶601996780
IDC	Error ellipse: s-maj=291.6km s-min=131.2km az=159.0.					
YARS	**X**	**03 16 26 57.9–.20**	**57.53N–.01**	**128.10E–.02**	**10–3**	
						¶603977890
IDC	**X**	**16 06 52 03.4–761**	**51.91N**	**130.20E**	**0**	
						¶601998472
IDC	Error ellipse: s-maj=283.5km s-min=147.4km az=160.0.					
ISC	**X**	**21 22 59 54.8–1.2**	**55.28N–.03**	**120.40E–.03**	**1–10**	**72 1-11**
MOS	X	21 22 59 56.4–2.4	55.36N	120.65E	10	4.4b ¶601882315
YARS	X	21 22 59 57.7–.30	55.37N–.02	120.59E–.03	15–4	4.4b
BYKL	X	21 22 59 57.5–.32	55.41N	120.65E		4.4b
ISC	Event type se.					
MOS	Error ellipse: s-maj=53.2km s-min=35.2km az=92.8.					
BYKL	Event type se.					
IDC	**X**	**24 07 01 39.3–633**	**51.52N**	**133.66E**	**0**	
						¶601999457
IDC	Error ellipse: s-maj=228.7km s-min=142.0km az=180.0.					
IDC	**X**	**26 07 45 24.7–6.8**	**50.88N**	**133.61E**	**0**	**2.4,2.4**
						¶601999718
IDC	Error ellipse: s-maj=119.9km s-min=41.2km az=128.0.					
IDC	**X**	**30 08 16 18.9–643**	**51.44N**	**133.40E**	**0**	
						¶602000457
IDC	Error ellipse: s-maj=236.7km s-min=142.4km az=178.0.					
IDC	**X**	**30 08 22 52.4–6.1**	**50.18N**	**130.08E**	**0**	
						¶602000458
IDC	Error ellipse: s-maj=105.2km s-min=39.8km az=39.0.					
IDC	**X**	**31 04 23 50.6–551**	**50.45N**	**136.54E**	**0**	
						¶602000573
IDC	Error ellipse: s-maj=198.4km s-min=132.0km az=21.0.					
IDC	**X**	**31 06 12 54.4–6.8**	**50.95N**	**133.42E**	**0**	**2.3,2.3**
						¶602000586
IDC	Error ellipse: s-maj=88.5km s-min=41.4km az=124.0.					
IDC	**X**	**31 06 29 21.7–771**	**50.60N**	**129.70E**	**0**	
						¶602000587
IDC	Error ellipse: s-maj=288.1km s-min=129.9km az=158.0.					
IDC	**X**	**31 07 10 23.2–6.7**	**50.20N**	**130.00E**	**0**	
						¶602000591
IDC	Error ellipse: s-maj=53.7km s-min=43.6km az=34.0.					
IDC	**X**	**31 08 15 15.7–561**	**50.54N**	**136.45E**	**0**	
						¶602000597
IDC	Error ellipse: s-maj=203.8km s-min=137.5km az=19.0.					
IDC	**XI**	**02 04 59 52.4–807**	**50.82N**	**128.97E**	**0**	
						¶602388703
IDC	Error ellipse: s-maj=303.3km s-min=139.8km az=153.0.					
IDC	**XI**	**02 07 33 58.8–6.9**	**51.09N**	**133.11E**	**0**	**2.3,2.3**
						¶602388707
IDC	Error ellipse: s-maj=130.2km s-min=42.0km az=117.0.					
IDC	**XI**	**08 06 43 16.6–800**	**51.73N**	**129.57E**	**0**	
						¶602389023
IDC	Error ellipse: s-maj=299.9km s-min=150.9km az=157.0.					
IDC	**XI**	**09 06 27 30.0–8.6**	**50.36N**	**130.01E**	**0**	
						¶602389080
IDC	Error ellipse: s-maj=56.5km s-min=50.1km az=33.0.					
IDC	**XI**	**15 06 21 57.0–7.0**	**50.77N**	**133.85E**	**0**	**2.0,2.0**
						¶602389436
IDC	Error ellipse: s-maj=124.4km s-min=42.9km az=134.0.					
IDC	**XI**	**16 04 18 12.2–735**	**51.17N**	**130.61E**	**0**	
						¶602389482
IDC	Error ellipse: s-maj=272.7km s-min=138.7km az=163.0.					
IDC	**XI**	**16 05 54 49.4–723**	**50.99N**	**130.98E**	**0**	
						¶602389488
IDC	Error ellipse: s-maj=270.4km s-min=134.9km az=165.0.					
IDC	**XI**	**19 04 59 19.8–758**	**51.06N**	**130.24E**	**0**	
						¶602389641
IDC	Error ellipse: s-maj=287.3km s-min=136.1km az=161.0.					
IDC	**XI**	**19 06 37 10.1–8.2**	**50.48N**	**130.30E**	**0**	
						¶602389643
IDC	Error ellipse: s-maj=107.3km s-min=48.9km az=50.0.					
IDC	**XI**	**21 03 34 46.9–751**	**51.38N**	**130.15E**	**0**	
						¶602389767
IDC	Error ellipse: s-maj=278.4km s-min=144.8km az=160.0.					
IDC	**XI**	**21 05 36 24.8–641**	**51.82N**	**133.87E**	**0**	
						¶602389770
IDC	Error ellipse: s-maj=229.9km s-min=150.6km az=179.0.					
IDC	**XI**	**21 05 46 46.1–750**	**51.11N**	**130.17E**	**0**	
						¶602389771
IDC	Error ellipse: s-maj=279.1km s-min=140.2km az=160.0.					
IDC	**XI**	**22 04 14 19.2–7.5**	**50.62N**	**130.74E**	**0**	
						¶602389819
IDC	Error ellipse: s-maj=107.0km s-min=46.0km az=64.0.					
IDC	**XI**	**22 04 22 54.6–9.2**	**51.01N**	**130.34E**	**0**	
						¶602389821
IDC	Error ellipse: s-maj=94.7km s-min=52.2km az=61.0.					
IDC	**XI**	**22 05 52 37.9–6.8**	**50.89N**	**133.61E**	**0**	**2.1,2.1**
						¶602389826
IDC	Error ellipse: s-maj=136.1km s-min=41.8km az=128.0.					
IDC	**XI**	**29 03 50 27.2–747**	**50.22N**	**130.28E**	**0**	
						¶602390145
IDC	Error ellipse: s-maj=278.7km s-min=137.5km az=160.0.					
IDC	**XI**	**29 05 25 02.2–712**	**50.55N**	**130.79E**	**0**	
						¶602390152
IDC	Error ellipse: s-maj=264.5km s-min=131.5km az=164.0.					
IDC	**XI**	**29 06 19 07.8–633**	**51.47N**	**133.57E**	**0**	
						¶602390154
IDC	Error ellipse: s-maj=228.8km s-min=140.7km az=179.0.					

(657) Priamurye-Northeastern China border region.

IDC	**VII**	**21 03 54 57.6–1.7**	**45.22N**	**130.15E**	**571–27**	**3.6,2.7b**	
							¶601664902
IDC	Error ellipse: s-maj=57.9km s-min=40.9km az=117.0.						
IDC	**VIII**	**18 16 33 19.7–21**	**43.70N**	**131.88E**	**146–181**	**3.4,3.2b**	
							¶601766077
IDC	Error ellipse: s-maj=258.2km s-min=105.7km az=56.0.						
IDC	**X**	**19 07 28 19.2–495**	**50.59N**	**119.96E**	**0**		
							¶601998896
IDC	Error ellipse: s-maj=242.8km s-min=137.5km az=93.0.						
IDC	**X**	**26 03 14 39.0–1.5**	**44.57N**	**130.22E**	**133–200**	**3.6,3.3**	
							¶601999689
IDC	Error ellipse: s-maj=513.5km s-min=27.5km az=170.0.						
IDC	**X**	**29 05 44 55.4–3.2**	**44.21N**	**131.61E**	**0**		
							¶602000213
IDC	Error ellipse: s-maj=18.4km s-min=5.2km az=92.0.						
IDC	**X**	**29 06 47 37.1–517**	**49.93N**	**130.23E**	**0**		
							¶602000230
IDC	Error ellipse: s-maj=194.1km s-min=112.7km az=166.0.						
IDC	**X**	**29 07 39 35.0–3.4**	**44.22N**	**131.58E**	**0**		
							¶602000238
IDC	Error ellipse: s-maj=19.6km s-min=5.5km az=94.0.						
IDC	**X**	**30 04 18 53.3–3.3**	**44.22N**	**131.58E**	**0**		
							¶602000424
IDC	Error ellipse: s-maj=19.2km s-min=4.5km az=94.0.						
IDC	**X**	**31 05 07 49.3–3.2**	**44.22N**	**131.60E**	**0**		
							¶602000580
IDC	Error ellipse: s-maj=18.5km s-min=4.2km az=94.0.						
IDC	**XI**	**02 03 54 16.6–4.1**	**44.22N**	**131.61E**	**0**		
							¶602388699
IDC	Error ellipse: s-maj=21.6km s-min=4.1km az=94.0.						
IDC	**XI**	**09 05 10 46.5–3.4**	**44.22N**	**131.63E**	**0**		
							¶602389077
IDC	Error ellipse: s-maj=19.0km s-min=3.6km az=94.0.						
IDC	**XI**	**14 04 31 52.6–400**	**49.47N**	**118.01E**	**0**		
							¶602389369
IDC	Error ellipse: s-maj=163.9km s-min=132.0km az=108.0.						
IDC	**XI**	**16 07 47 20.5–3.3**	**44.23N**	**131.57E**	**0**		
							¶602389492
IDC	Error ellipse: s-maj=19.4km s-min=4.2km az=96.0.						
ISC	**XII**	**09 06 47 01.4–.68**	**49.26N–.05**	**117.14E–.03**	**10**		**64 2-64**
MOS	XII	09 06 47 01.2–1.5	49.18N	117.12E	18	4.0b	¶602033196
BJI	XII	09 06 47 03.9	48.99N	117.37E	10	4.0L,3.9b	
BYKL	XII	09 06 47 04.0–.96	49.10N	117.28E		4.0L,3.9b	
ISC	Event type se.						
MOS	Error ellipse: s-maj=17.4km s-min=14.0km az=160.8.						
BYKL	Event type se.						
IDC	**XII**	**12 03 57 35.3–5.3**	**44.53N**	**132.73E**	**0**		
							¶602391148
IDC	Error ellipse: s-maj=29.5km s-min=9.7km az=58.0.						
IDC	**XII**	**28 09 36 57.3–7.0**	**43.19N**	**131.01E**	**0**		
							¶602380770
IDC	Error ellipse: s-maj=44.8km s-min=24.9km az=34.0.						

(658) Northeastern China.

IDC	**VII**	**06 03 47 37.1–1.2**	**40.14N**	**113.51E**	**0**	**3.7,3.5**			
									¶601246195
IDC	Error ellipse: s-maj=42.8km s-min=26.7km az=48.0.								
ISC	**VII**	**12 12 21 51.3–2.1**	**40.46N–.05**	**122.28E–.04**	**16–14**	**4.1b**	**62**	**2-88**	
IDC	VII	12 12 21 47.6–.55	40.38N	122.25E	0	4.1,4.0b			¶601275886
BJI	VII	12 12 21 49.7	40.49N	122.40E	9	4.2b,4.2L			
ISCJB	VII	12 12 21 50.9–.74	40.51N–.05	122.45E–.05	34–8	4.0b,2.8s			
NEIC	VII	12 12 21 52.7–1.6	40.41N	122.33E	34–12	4.2b,2.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=17.2km s-min=12.8km az=52.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.3km s-min=6.4km az=9.1.								
NEIC	Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=213.0.								
ISC	**VII**	**15 04 36 49.7–.84**	**40.51N–.06**	**122.28E–.08**	**10**		**10**	**2-58**	
IDC	VII	15 04 36 47.3–1.8	40.46N	122.41E	0	3.7b,3.6			¶601276368
BJI	VII	15 04 36 49.0	40.48N	122.38E	6	3.4L,3.6			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=35.4km s-min=19.5km az=22.0.								
BJI	**VII**	**31 06 40 44.5**	**38.02N**	**121.07E**	**8**	**3.9L**			
									¶601497427
ISC	**VIII**	**08 09 48 57.8–.72**	**37.14N–.05**	**120.07E–.04**	**10**	**4.3b**	**18**	**2-88**	
IDC	VIII	08 09 48 55.2–4.4	36.70N	120.09E	0	4.1,4.1b			¶601534261
BJI	VIII	08 09 48 57.9	37.09N	120.03E	5	3.7L,4.1b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=114.4km s-min=28.1km az=1.0.								
IDC	**VIII**	**08 18 40 03.2–1.6**	**43.67N**	**123.58E**	**0**	**3.8b,3.6**			
									¶601550993
IDC	Error ellipse: s-maj=34.9km s-min=19.6km az=17.0.								
ISC	**VIII**	**25 23 13 35.3–.66**	**39.68N–.04**	**117.47E–.03**	**21**	**3.9b,2.9s**	**46**	**1-65**	
IDC	VIII	25 23 13 31.8–1.2	39.59N	117.37E	0	4.1L,3.9			¶601627677
NEIC	VIII	25 23 13 33.4–.54	39.59N	117.42E	10	4.0L,3.9			
BJI	VIII	25 23 13 34.2	39.60N	117.43E	10	4.0b,4.0L			

ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=20.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.3km az=210.0.
BJI VIII 29 16 14 00.4 40.69N 114.81E 21 3.8L ¶601668080
IDC IX 10 04 53 46.0–2.9 37.30N 123.03E 0 3.8b,3.7 ¶601707379
IDC Error ellipse: s-maj=72.2km s-min=23.3km az=9.0.
ISC IX 17 02 43 45.7–.79 37.51N–.05 112.42E–.04 13 3.6b 16 4-64
ISCJB IX 17 02 43 40.7–.60 37.52N–.05 112.69E–.05 13 3.5b **¶601719511**
IDC IX 17 02 43 41.9–2.1 37.39N 112.38E 0 3.7,3.5
BJI IX 17 02 43 44.0 37.56N 112.36E 6 3.9b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=156.3.
IDC Error ellipse: s-maj=60.3km s-min=30.9km az=47.0.
ISC IX 23 03 49 49.2–1.3 37.8N–.20 123.3E–.10 35 4.1b 8 4-61
IDC IX 23 03 49 44.0–1.6 37.70N 123.23E 0 3.9b,3.7 **¶601739272**
ISCJB IX 23 03 49 46.8–1.1 37.8N–.20 123.3E–.10 33 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
BJI IX 28 07 01 04.5 37.57N 112.34E 3 3.5b,3.4L ¶601769074
IDC X 04 03 35 56.2–2.9 37.23N 123.07E 0 3.8b,3.7 ¶601792427
IDC Error ellipse: s-maj=86.1km s-min=16.7km az=8.0.
ISC XI 01 11 25 49.5–.81 40.43N–.05 122.39E–.09 10 3.7b 16 2-61
ISCJB XI 01 11 25 47.4–.58 40.44N–.04 122.48E–.08 10 3.6b **¶601868129**
IDC XI 01 11 25 47.1–1.3 40.32N 122.41E 0 3.8,3.6
BJI XI 01 11 25 50.1 40.48N 122.38E 5 3.7L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=24.7.
IDC Error ellipse: s-maj=23.7km s-min=20.0km az=24.0.
BJI XI 10 23 53 54.2 41.75N 120.25E 12 3.7L ¶601885132
BJI XI 20 08 14 02.6 41.45N 115.23E 8 3.5L ¶601993135
BJI XI 29 00 47 03.7 39.90N 113.22E 5 3.8L,3.7b ¶601995147
ISC XII 02 23 10 07.7–1.1 40.1N–.10 113.2E–.20 35 3.5b 8 9-71
IDC XII 02 23 10 02.6–1.0 40.10N 113.31E 0 3.7,3.5b **¶601995878**
ISCJB XII 02 23 10 05.6–.93 40.17N–.10 113.3E–.20 33 3.4b,3.5b
ISC Event type ke.
ISCJB Event type ke.
IDC XII 19 19 41 53.1–1.7 40.33N 113.19E 0 3.5,3.4b ¶602056215
IDC Error ellipse: s-maj=46.9km s-min=26.7km az=92.0.

(659) North Korea.

IDC VIII 07 10 11 02.3–3.2 42.33N 129.20E 0 2.4,2.4 ¶601765597
IDC Error ellipse: s-maj=49.9km s-min=20.4km az=123.0.
IDC IX 07 04 50 50.8–4.2 41.72N 126.87E 0 2.7,2.7 ¶601863099
IDC Error ellipse: s-maj=49.3km s-min=17.2km az=112.0.
IDC IX 07 04 53 30.5–4.2 41.76N 126.81E 0 2.7,2.7 ¶601863100
IDC Error ellipse: s-maj=49.8km s-min=17.3km az=112.0.
IDC X 24 04 37 14.9–4.2 41.74N 126.94E 0 2.7,2.7 ¶601999448
IDC Error ellipse: s-maj=50.3km s-min=17.1km az=113.0.
IDC XII 12 08 33 12.7–2.9 42.18N 129.51E 0 2.4,2.4 ¶602391171
IDC Error ellipse: s-maj=43.1km s-min=20.0km az=120.0.
IDC XII 13 08 25 52.3–2.9 42.11N 129.67E 0 2.5,2.5 ¶602391243
IDC Error ellipse: s-maj=47.9km s-min=19.8km az=120.0.

(660) Sea of Japan.

ISC VII 02 03 52 31.2–.95 36.89N–.10 135.57E–.07 350 3.4b 30 1-67
ISCJB VII 02 03 52 30.9–.46 36.97N–.08 135.54E–.06 350 3.4b **¶601663388**
JMA VII 02 03 52 30.0–.20 36.91N 135.50E 365–2 2.9
IDC VII 02 03 52 31.3–1.7 36.86N 135.50E 355–13 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.8km az=175.6.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=54.1km s-min=21.0km az=9.0.
ISC VII 17 07 58 45.6–.38 41.16N–.03 135.60E–.04 365–3 4.4b 770 3-160
NIED VII 17 07 58 00 41.20N 135.90E 380 4.6W **¶601352374**
BJI VII 17 07 58 38.0 40.86N 136.25E 349 4.8b,4.6b
MOS VII 17 07 58 44.5–1.0 41.21N 135.52E 364 4.4b,4.6b
ISCJB VII 17 07 58 44.5–.14 41.18N–.02 135.52E–.02 359–1 4.3b,4.6b
NEIC VII 17 07 58 45.7–.24 41.16N 135.50E 360–2 4.4b,4.6b
IDC VII 17 07 58 45.6–.51 41.16N 135.49E 363–5 4.6,4.0
JMA VII 17 07 58 45.0–.20 41.15N 135.90E 391–3 4.7,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ64.00000°,λ1.00000°. NP2:ϕ_e216.00000°,δ89.00000°,λ154.00000°. $M_0$1.01000×10^{16}
MOS Error ellipse: s-maj=6.7km s-min=4.9km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.4km az=154.7.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=137.0.
IDC Error ellipse: s-maj=7.2km s-min=6.2km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
ISC VIII 02 04 35 09.9–1.0 37.0N–.10 135.6E–.10 350 3.3b 12 1-57
ISCJB VIII 02 04 35 09.1–.68 37.1N–.10 135.5E–.10 350 3.0b **¶601765334**
JMA VIII 02 04 35 10.3–.40 37.00N 135.60E 345–4 2.7
IDC VIII 02 04 35 10.0–1.8 37.05N 135.46E 343–31 3.8,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=11.2km az=155.1.
JMA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=53.7km s-min=19.1km az=66.0.
ISC X 01 11 05 14.1–1.4 37.0N–.10 133.73E–.10 450 13 1-23
JMA X 01 11 05 09.1–.10 37.18N 133.48E 481 3.0 **¶601996384**
ISCJB X 01 11 05 12.9–.61 37.1N–.10 133.7E–.10 450 3.0b
IDC X 01 11 05 14.8–2.2 37.10N 133.72E 416–29 3.3,2.6
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=13.2km az=42.0.
IDC Error ellipse: s-maj=49.7km s-min=33.5km az=6.0.
ISC X 08 16 30 48.2–.95 38.2N–.10 134.3E–.10 425 3.2b 26 2-62
ISCJB X 08 16 30 47.3–.45 38.21N–.07 134.27E–.08 425 3.1b **¶601997557**
JMA X 08 16 30 47.6–.30 38.18N 134.28E 425 3.0
IDC X 08 16 30 48.3–1.1 38.24N 134.26E 423–17 3.6,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.1km az=30.1.
JMA Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=28.3km s-min=13.9km az=54.0.
IDC X 17 05 29 50.5–354 37.41N 135.53E 0 ¶601998624
IDC Error ellipse: s-maj=141.9km s-min=85.0km az=121.0.
IDC XI 05 02 31 27.1–365 37.90N 134.68E 0 ¶602388835
IDC Error ellipse: s-maj=140.8km s-min=94.4km az=129.0.
ISC XI 06 09 32 57.9–.72 37.12N–.09 135.26E–.07 358 3.0b 26 2-79
ISCJB XI 06 09 32 57.1–.42 37.20N–.06 135.23E–.08 358 3.1b **¶602388907**
JMA XI 06 09 32 57.9–.30 37.15N 135.28E 358–4 2.8
IDC XI 06 09 32 58.0–1.0 37.09N 135.20E 357–12 3.7,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=8.1km az=41.7.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=14.1km az=116.0.
ISC XI 06 11 00 35.0–.91 41.92N–.09 134.77E–.08 450 19 3-39
ISCJB XI 06 11 00 34.4–.58 41.93N–.08 134.72E–.07 450 **¶602388909**
JMA XI 06 11 00 36.9–.30 41.79N 135.15E 480 3.4
IDC XI 06 11 00 38.5–7.9 42.09N 133.91E 428–26 3.6,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.5km az=12.4.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=168.0km s-min=27.9km az=96.0.
ISC XI 07 09 07 33.7–.56 37.52N–.06 135.63E–.06 348–6 4.1b 106 1-94
NIED XI 07 09 07 00 37.50N 135.70E 360 4.3W **¶601881277**
BJI XI 07 09 07 31.7 37.58N 135.74E 361 4.6b,4.3b
ISCJB XI 07 09 07 33.0–.21 37.54N–.04 135.62E–.05 355–3 4.0b,4.3b
JMA XI 07 09 07 33.2–.20 37.50N 135.70E 360–2 3.8,4.3b
NEIC XI 07 09 07 33.7–.24 37.56N 135.66E 351–3 4.4b,4.3b
IDC XI 07 09 07 33.9–.87 37.52N 135.54E 348–9 4.3,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ58.00000°,λ18.00000°. NP2:ϕ_e230.00000°,δ75.00000°,λ147.00000°. $M_0$3.34000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.8km az=138.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.8km az=63.0.
IDC Error ellipse: s-maj=11.4km s-min=8.8km az=67.0.
ISC XI 24 08 09 48.9–1.1 37.40N–.09 135.24E–.10 378 19 2-57
ISCJB XI 24 08 09 48.3–.64 37.41N–.08 135.20E–.09 378 2.8b **¶602389930**
JMA XI 24 08 09 48.0–.40 37.31N 135.18E 387–4 3.1
IDC XI 24 08 09 49.0–1.3 37.33N 135.23E 369–15 3.6,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.1km az=144.6.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=17.9km az=121.0.
ISC XII 09 20 27 39.4–.76 37.22N–.10 134.97E–.10 372 3.3b 22 1-71
ISCJB XII 09 20 27 39.1–.50 37.26N–.09 134.9E–.10 372 3.3b **¶602390926**
IDC XII 09 20 27 39.6–1.1 37.22N 135.08E 385–14 3.8,3.2
JMA XII 09 20 27 39.6–.40 37.18N 135.00E 382–3 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=8.7km az=41.1.
IDC Error ellipse: s-maj=27.3km s-min=14.0km az=62.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
JMA XII 30 19 12 53.5–.20 37.24N 134.63E 418 3.6 ¶606079411
JMA Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.

(661) Primorye.

ISC VII 18 18 32 44.4–.64 45.14N–.08 137.23E–.07 350 3.4b 39 3-69
ISCJB VII 18 18 32 43.5–.34 45.25N–.07 137.21E–.06 350 3.2b **¶601664803**
IDC VII 18 18 32 44.4–1.1 45.30N 137.13E 341–13 3.7,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=25.9.
IDC Error ellipse: s-maj=17.4km s-min=14.6km az=35.0.
ISC VII 29 09 20 55.0–.18 47.39N–.02 139.13E–.02 506–1 5.5b 3259 3-173
NIED VII 29 09 20 00 47.20N 139.50E 620 5.7W **¶601488090**
JMA VII 29 09 20 52.8–.20 47.19N 139.46E 528 5.7
MOS VII 29 09 20 53.3–.82 47.34N 139.17E 498 5.6b
ISCJB VII 29 09 20 53.1–.12 47.37N–.01 139.09E–.01 492–1 5.5b
BJI VII 29 09 20 53.4 47.35N 139.09E 498 6.0b,5.6b
SKHL VII 29 09 20 53.0–.90 47.26N 139.30E 504–8 6.6b,6.5s
NEIC VII 29 09 20 54.0–.00 47.26N 139.16E 510 6.6b,6.5s
NEIC VII 29 09 20 55.0–.06 47.38N 139.07E 502 5.7W,5.6W
IDC VII 29 09 20 55.1–.26 47.36N 139.10E 505–2 5.8,5.0
GCMT VII 29 09 20 55.0–.10 47.29N 138.90E 507–1 5.7W,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ32.00000°,λ36.00000°. NP2:ϕ_e212.00000°,δ72.00000°,λ117.00000°. $M_0$4.55000×10^{17}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=157.9.
NEIC Event type se. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s214.00000° ,δ52.00000°,λ106.00000°. NP2:ϕ_s8.00000°,δ41.00000°,λ70.00000°. Principal axes: T 3.1000,Plg75.0000°,Azm178.0000°; N -0.3000,Plg12.0000°,Azm23.0000° ; P -2.7900,Plg5.0000°,Azm292.0000° $M_0$3.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=146.0. Felt at Vostochnoye. Recorded [1 JMA] in south-central and northern Hokkaido, Japan. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Moment Tensor Solution. s53 Moment tensor: Scale 10^{17}Nm; M_{rr}3.76 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.34 $M_{r\theta}$-2.33 $M_{\theta\phi}$-1.29 $M_{\phi r}$-0.99 Best double couple: NP1: ϕ_s218.00000°,δ60.00000°,λ119.00000°. NP2:ϕ_s350.00000°,δ41.00000°,λ50.00000°. Principal axes: T 5.0000,Plg63.0000°,Azm176.0000°; N -0.0500,Plg25.0000°,Azm23.0000° ; P -4.9500,Plg11.0000°,Azm288.0000° $M_0$5.00000×10^{17}
IDC Error ellipse: s-maj=4.8km s-min=4.3km az=69.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Moment Tensor Solution. s123,c234; s61,c64; Duration: 1^{18} Moment tensor: Scale 10^{17}Nm; M_{rr}3.46±.05 $M_{\theta\theta}$0.83±.08; $M_{\phi\phi}$-4.29±.08; $M_{r\theta}$-2.05±.08; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$-1.23±.08; Best double couple: NP1:ϕ_s214.00000° ,δ61.00000°,λ119.00000°. NP2:ϕ_s345.00000°,δ40.00000°,λ49.00000°. Principal axes: T 4.6310,Plg62.0000°,Azm171.0000°; N 0.1230,Plg25.0000°,Azm19.0000° ; P -4.7520,Plg11.0000°,Azm283.0000° $M_0$4.69200×10^{17}
IDC IX 03 10 19 43.9–415 51.72N 139.54E 0 ¶601862858
IDC Error ellipse: s-maj=180.8km s-min=123.1km az=30.0.
ISC X 23 03 45 36.2–.51 43.34N–.07 134.38E–.07 450 3.5b 57 2-90
ISCJB X 23 03 45 35.0–.28 43.44N–.05 134.37E–.05 450 3.5b **¶601874206**
IDC X 23 03 45 36.1–.82 43.53N 134.10E 432–9 4.0,3.4
JMA X 23 03 45 38.3–.30 43.20N 134.82E 457–4 4.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=18.8.
IDC Error ellipse: s-maj=12.7km s-min=10.0km az=76.0.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC X 26 10 28 44.5–453 51.89N 137.85E 0 ¶601999731
IDC Error ellipse: s-maj=168.4km s-min=155.8km az=55.0.
IDC XI 16 04 28 46.4–4.7 43.76N 132.05E 0 ¶602389483
IDC Error ellipse: s-maj=26.2km s-min=6.7km az=174.0.
ISC XII 19 19 01 56.9–.48 42.65N–.07 133.26E–.06 500 3.8b 64 2-78
ISCJB XII 19 19 01 55.6–.26 42.69N–.04 133.27E–.04 500 3.7b **¶602391681**
IDC XII 19 19 01 56.7–.77 42.75N 132.93E 485–10 4.3,3.5
JMA XII 19 19 01 56.3–.30 42.61N 133.61E 538 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=19.0.
IDC Error ellipse: s-maj=10.5km s-min=8.6km az=109.0.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.

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ISC VII 01 21 27 43.0–1.3 46.08N–.03 141.7E–.10 10 11 1-2
JMA VII 01 21 27 42.7–.20 46.20N 141.68E 15–2 2.7 **¶603312177**
SKHL VII 01 21 27 42.8–.50 46.06N 141.79E 10 4.1b
ISCJB VII 01 21 27 44.1–.80 46.11N–.03 141.7E–.10 10 4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 10 13 09 15.5–.60 46.11N–.05 142.99E–.06 351–6 3.2b 62 1-71
ISCJB VII 10 13 09 14.8–.33 46.15N–.04 142.99E–.07 355–3 3.1b **¶601664384**
JMA VII 10 13 09 15.1–.20 46.13N 142.94E 357–2 3.3
IDC VII 10 13 09 15.8–.64 46.28N 142.84E 344–12 3.9,3.3
SKHL VII 10 13 09 16.9–.60 46.11N 142.88E 340–23 4.5s,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=169.4.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=13.9km az=163.0.
ISC VIII 04 08 27 10.2–1.4 46.53N–.05 141.8E–.10 14 8 1-2
JMA VIII 04 08 27 08.9–.30 46.62N 141.75E 11 2.8 **¶606006762**
SKHL VIII 04 08 27 09.8–.60 46.49N 141.85E 10 4.0b
ISCJB VIII 04 08 27 11.1–.86 46.53N–.04 142.0E–.10 14 4.0b

ISC Event type ke.
ISCJB Event type ke.
ISC VIII 11 15 32 41.4–.94 46.46N–.04 142.16E–.06 14 10 0-2
SKHL VIII 11 15 32 40.6–.40 46.39N 142.20E 10 4.1b **¶603377261**
JMA VIII 11 15 32 41.0–.70 46.51N 142.20E 11 2.5
ISCJB VIII 11 15 32 42.3–.65 46.45N–.03 142.22E–.08 14 2.5
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 15 04 27.7–1.1 50.66N–.03 143.14E–.04 19–7 4.1b 88 0-81
ISCJB IX 11 15 04 24.5–.62 50.64N–.02 143.13E–.05 11–4 4.0b **¶601709217**
MOS IX 11 15 04 24.4–1.1 50.70N 143.22E 12 4.7b
IDC IX 11 15 04 24.7–.69 50.81N 143.06E 0 4.0,4.0L
SKHL IX 11 15 04 25.3–1.1 50.66N 143.03E 11–1 5.2b,4.7s
NEIC IX 11 15 04 25.3–2.6 50.66N 143.16E 5–17 4.6b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=176.4.
MOS Error ellipse: s-maj=12.9km s-min=6.2km az=86.3.
IDC Error ellipse: s-maj=21.4km s-min=12.4km az=131.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=133.0.
ISC X 21 11 57 28.6–.57 53.49N–.03 142.69E–.02 15–3 4.9b,4.7s 1108 0-156
MOS X 21 11 57 25.4–.88 53.41N 142.70E 8 5.0b,4.6s **¶601839955**
BJI X 21 11 57 26.4 53.60N 142.49E 10 5.4s,5.1
SKHL X 21 11 57 26.0–.80 53.36N 142.56E 10 5.3b,5.1s
IDC X 21 11 57 26.0–.39 53.47N 142.75E 0 4.6,4.6
GCMT X 21 11 57 26.9–.20 53.52N–.01 142.48E–.02 12 5.0W,4.6
ISCJB X 21 11 57 26.0–.08 53.43N–.02 142.69E–.02 12 4.8b,4.6s
NEIC X 21 11 57 28.9–1.1 53.46N 142.66E 17–7 4.9b,4.6s
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=3.5km az=93.2. Felt (V) at Moskal'vo; (IV-V) at Laguri; (IV) at Vostochnyi, Nekrasovka, Tungor, Okha; (III) at Nikolaevsk-na-Amure; (II) at Mago. Moment Tensor Solution.
SKHL Event type fe. Felt (III) at Vostochnyy, (II-III) at Nikolayevsk-na-Amure, (II) at Mago. Felt (V-VI) at Moskal'vo, (IV-V) at Laguri, (IV) at Okha, Tungor, Nekrasovka.
IDC Error ellipse: s-maj=10.4km s-min=8.6km az=140.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c79; s96,c159;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.08 $M_{\theta\theta}$-0.99±.08; $M_{\phi\phi}$-2.37±.08; $M_{r\theta}$-0.88±.24; $M_{\theta\phi}$1.96±.07; $M_{\phi r}$-0.66±.25; Best double couple: NP1:ϕ_s162.00000°,δ48.00000°,λ115.00000°. NP2:ϕ_s307.00000°,δ48.00000°,λ65.00000°. Principal axes: T 3.7170,Plg72.0000° ,Azm144.0000°; N 0.0340,Plg18.0000°,Azm325.0000°; P -3.7570,Plg0.0000°,Azm235.0000° $M_0$3.73700×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=150.6.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=159.0.
ISC X 21 12 01 49.0–1.2 53.40N–.07 142.6E–.10 10 8 0-77
ISCJB X 21 12 01 47.3–1.1 53.35N–.05 142.4E–.10 10 3.5b **¶601999160**
SKHL X 21 12 01 47.8–.30 53.29N 142.72E 10 4.9b
IDC X 21 12 01 47.7–1.4 53.49N 142.64E 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.4km az=23.1.
IDC Error ellipse: s-maj=46.2km s-min=35.2km az=60.0.
ISC X 21 14 09 20.8–.99 53.36N–.03 142.69E–.03 20–4 4.0b 87 0-85
ISCJB X 21 14 09 15.9–.82 53.42N–.03 142.72E–.05 1–5 4.0b,3.1s **¶601839958**
MOS X 21 14 09 16.9–1.1 53.43N 142.72E 9 4.1b,3.1s
SKHL X 21 14 09 17.9–.50 53.35N 142.60E 10 5.1b,4.6s
IDC X 21 14 09 17.7–.57 53.45N 142.71E 0 3.9,3.9
NEIC X 21 14 09 19.4–2.0 53.39N 142.63E 11–13 4.4b,3.9
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=31.2.
MOS Event type fe. Error ellipse: s-maj=14.1km s-min=8.2km az=81.3. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Tungor.
IDC Error ellipse: s-maj=14.3km s-min=12.0km az=134.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=154.0.
ISC X 21 15 53 23.4–.59 53.38N–.04 142.65E–.04 10 3.6b 32 0-77
MOS X 21 15 53 19.4–1.9 53.28N 142.58E 9 4.2b **¶601999183**
ISCJB X 21 15 53 20.7–.53 53.44N–.04 142.65E–.05 10 3.5b
SKHL X 21 15 53 21.5–.10 53.41N 142.57E 10 4.4b
IDC X 21 15 53 21.6–.98 53.39N 142.75E 0 3.7,3.6
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=23.4km s-min=11.3km az=80.0. Felt (II) at Okha, Moskal'vo. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=2.8.
SKHL Event type fe. Felt (II) at Okha, Moskal'vo.
IDC Error ellipse: s-maj=25.3km s-min=21.0km az=146.0.
ISC X 22 00 58 26.5–.68 53.35N–.05 142.72E–.04 12 3.5b 22 0-65
IDC X 22 00 58 22.9–3.0 52.98N 142.91E 0 3.8,3.6 **¶601999226**
ISCJB X 22 00 58 24.5–.63 53.37N–.04 142.65E–.05 12 3.6b,3.6
MOS X 22 00 58 24.9–1.3 53.32N 142.72E 9 4.0b,3.6
SKHL X 22 00 58 25.0–.40 53.32N 142.65E 10 4.5b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=83.3km s-min=23.9km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=173.0.
MOS Event type fe. Error ellipse: s-maj=30.7km s-min=18.3km az=77.3. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Tungor.
SKHL X 22 12 04 44.1–.40 53.34N 142.63E 9–1 4.1b
MOS X 22 12 04 44.2–2.0 53.40N 142.52E 8 4.1b **¶603750338**
SKHL Event type fe. Felt (II) at Okha, Moskal'vo.
MOS Event type fe. Error ellipse: s-maj=46.4km s-min=20.1km az=74.7. Felt (II) at Okha, Moskal'vo. Moment Tensor Solution.
ISC X 23 00 11 56.6–.96 53.32N–.04 142.75E–.04 16–8 21 0-60
MOS X 23 00 11 52.9–2.4 53.36N 142.49E 12 4.3b **¶603750339**
SKHL X 23 00 11 54.2–.20 53.34N 142.66E 10 4.4b
IDC X 23 00 12 38.0–1.8 56.18N 131.89E 0 3.5,3.3
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=24.5km s-min=14.6km az=83.3. Felt (II) at Okha, Moskal'vo. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Moskal'vo.
IDC Error ellipse: s-maj=39.8km s-min=34.4km az=125.0.
ISC X 23 09 49 23.7–.71 53.31N–.04 142.86E–.07 12 19 0-46
ISCJB X 23 09 49 21.1–.54 53.36N–.04 143.1E–.10 12 4.0b **¶603750340**
MOS X 23 09 49 21.0–1.0 53.32N 143.07E 12 4.4b
SKHL X 23 09 49 21.8–.10 53.34N 142.63E 10 4.3b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.7km az=178.8.
MOS Event type fe. Error ellipse: s-maj=19.8km s-min=9.8km az=87.6. Felt (II) at Okha. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha.
ISC X 24 00 53 46.8–.93 47.10N–.02 142.78E–.04 10–6 3.7b 56 0-83
NIED X 24 00 53 00 47.00N 143.30E 5 3.7W **¶601999436**
MOS X 24 00 53 44.7–1.9 47.19N 142.86E 13 3.9b
SKHL X 24 00 53 45.9–.10 47.11N 142.65E 10 3.9b
JMA X 24 00 53 46.0–.40 47.00N 143.28E 0 4.2
ISCJB X 24 00 53 46.3–.50 47.12N–.02 142.68E–.04 14–3 3.6b
IDC X 24 00 53 52.7–3.1 47.06N 142.56E 54–32 3.9L,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ59.00000°,λ-3.00000°. NP2:ϕ_s291.00000°,δ88.00000°,λ-149.00000°. $M_0$4.23000×10^{14}
MOS Event type fe. Error ellipse: s-maj=13.1km s-min=8.4km az=90.7. Felt (IV-V) at Kluchi, Sanatornoye; (III-IV) at Bereznyaki, Novo-Aleksandrovsk, Novaya Derevnya, Lugovoye, Yuzhno-Sakhalinsk; (III) at Dal'neye, Elochki, Sinegorsk, Starorusskoye; (II-III) at Sokol. Moment Tensor Solution.
SKHL Event type fe. Felt (III) at Sinegorsk, Starorusskoye, Dal'neye, Elochki, (II-III) at Sokol. Felt (III-IV) at Novaya Derevnya, Lugovoye, Yuzhno-Sakhalinsk. Felt (IV-V) at Klyuchi, Sanatornyy, (III-IV) at Bereznyaki, Novo-Aleksandrovsk.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=162.4.
IDC Error ellipse: s-maj=22.4km s-min=17.0km az=34.0.
ISC X 26 14 29 54.7–1.1 48.81N–.03 142.08E–.06 12–10 16 0-7
ISCJB X 26 14 29 53.2–.57 48.82N–.03 141.90E–.07 7–7 **¶603750343**
SKHL X 26 14 29 53.7–.90 48.82N 142.09E 10 4.2b
MOS X 26 14 29 54.6–1.3 48.81N 142.03E 11 3.9b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=172.1.
SKHL Event type fe. Felt (III) at Uglegorsk.
MOS Event type fe. Error ellipse: s-maj=63.6km s-min=29.0km az=99.1. Felt (III) at Uglegorsk. Moment Tensor Solution.
ISC X 29 09 54 26.6–.99 53.28N–.04 142.86E–.06 12 17 0-9
MOS X 29 09 54 22.3–2.3 53.24N 142.34E 10 4.1b **¶603750344**
SKHL X 29 09 54 25.6–.80 53.35N 142.61E 10 4.2b
ISCJB X 29 09 54 26.9–.61 53.34N–.04 142.52E–.06 12 4.2b
ISC Event type ke.
MOS Event type fe. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) ar Okha, Tungor.
ISCJB Event type fe.
ISC XI 12 21 09 11.2–1.2 53.62N–.07 142.62E–.04 34–3 16 0-34
MOS XI 12 21 09 07.3–2.6 53.77N 142.61E 11 4.0b **¶603750349**
SKHL XI 12 21 09 10.0–.60 53.37N 142.62E 10 4.2b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=25.5km s-min=19.3km az=88.0. Felt (II) at Okha. Moment Tensor Solution.
SKHL Feil (II) at Okha.
ISC XII 22 01 40 44.7–1.1 53.35N–.04 142.66E–.03 18–7 31 0-77
ISCJB XII 22 01 40 40.2–1.0 53.41N–.04 142.63E–.06 3–7 3.7b **¶602391841**
MOS XII 22 01 40 41.0–2.5 53.27N 142.78E 10 4.3b
SKHL XII 22 01 40 41.8–.40 53.34N 142.60E 10–1 4.2b
IDC XII 22 01 40 42.8–1.3 53.40N 142.76E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.7km az=36.9.
MOS Event type fe. Error ellipse: s-maj=16.7km s-min=10.0km az=81.2. Felt (II) at Okha, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II) at Okha, Tungor.
IDC Error ellipse: s-maj=31.4km s-min=25.4km az=168.0.

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ISC VII 09 07 20 54.7–.28 49.13N–.03 147.42E–.03 560–2 5.0b 2329 4-157
BJI VII 09 07 20 52.6 49.11N 147.42E 545 5.5b,5.1b **¶601258058**
ISCJB VII 09 07 20 53.7–.14 49.21N–.02 147.32E–.02 553–1 5.0b,5.1b
SKHL VII 09 07 20 53.7–.80 48.88N 147.62E 568–37 5.9b,5.8s
MOS VII 09 07 20 53.5–.93 49.12N 147.38E 556 5.6b,5.8s
IDC VII 09 07 20 54.9–.53 49.18N 147.33E 560–5 5.6,4.8
KRSC VII 09 07 20 54.2–1.4 49.00N 147.86E 544–20 5.7L,4.8
GCMT VII 09 07 20 55.0–.30 49.12N 147.25E 556–2 5.4W,4.8
NEIC VII 09 07 20 55.0–.21 49.21N 147.26E 558–2 4.9b,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.5km az=159.4.
MOS Error ellipse: s-maj=5.6km s-min=3.8km az=71.3.
IDC Error ellipse: s-maj=5.7km s-min=4.5km az=122.0.
KRSC Event type se.
GCMT Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves, cutoff=40s. Moment Tensor Solution. s67,c92;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.03 $M_{\theta\theta}$-0.10±.05; $M_{\phi\phi}$-0.24±.05; $M_{r\theta}$-1.02±.05; $M_{\theta\phi}$-0.28±.05; $M_{\phi r}$-1.07±.05; Best double couple: NP1:ϕ_s224.00000°,δ82.00000°,λ92.00000°. NP2:ϕ_s28.00000°,δ8.00000°,λ75.00000°. Principal axes: T 1.4780,Plg53.0000°,Azm136.0000°; N 0.1090,Plg2.0000°,Azm43.0000° ; P -1.5870,Plg37.0000°,Azm312.0000° $M_0$1.53200×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=161.0.
ISC VII 09 07 22 44.4–.38 49.14N–.03 147.44E–.04 559–4 4.8b 765 4-154
SKHL VII 09 07 22 41.0–1.3 49.09N 148.31E 563–28 5.7s,5.6b **¶601246373**
MOS VII 09 07 22 43.5–1.5 49.10N 147.39E 558 4.9b,5.6b
KRSC VII 09 07 22 43.8–2.5 48.93N 147.63E 557–33 5.5L,5.6b
IDC VII 09 07 22 44.8–.61 49.20N 147.33E 562–6 5.2,4.4
ISCJB VII 09 07 22 44.0–.18 49.17N–.02 147.36E–.03 561–2 4.8b,4.4
NEIC VII 09 07 22 44.7–.24 49.22N 147.32E 558–2 4.8b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=6.7km az=70.8.
KRSC Event type se.
IDC Error ellipse: s-maj=6.5km s-min=5.5km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.3km az=138.9.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=137.0.
ISC VIII 10 21 42 02.7–.55 47.86N–.05 145.78E–.06 487–6 3.6b 116 2-84
JMA VIII 10 21 42 01.9–.40 47.49N 145.61E 534 3.9 **¶601765737**
ISCJB VIII 10 21 42 02.1–.28 47.93N–.03 145.70E–.07 492–3 3.6b
SKHL VIII 10 21 42 02.5–.70 47.88N 146.04E 499–30 5.1s,4.8b
MOS VIII 10 21 42 02.3–1.1 47.95N 145.60E 493 3.6b,4.8b
IDC VIII 10 21 42 02.9–.78 48.01N 145.54E 483–9 4.2,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.2km az=15.1.
MOS Error ellipse: s-maj=12.8km s-min=7.1km az=73.7.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=134.0.
ISC VIII 13 23 23 02.5–.78 49.2N–.10 147.4E–.10 548 3.6b 22 6-80
ISCJB VIII 13 23 23 01.8–.59 49.25N–.09 147.4E–.20 548 3.5b **¶601765813**
IDC VIII 13 23 23 02.9–1.4 49.22N 147.37E 552–18 4.0,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=10.0km az=33.6.
IDC Error ellipse: s-maj=15.1km s-min=12.5km az=166.0.
ISC VIII 14 02 59 38.9–.19 49.75N–.02 145.31E–.02 591–1 6.7b 3723 2-175
NIED VIII 14 02 59 00 49.20N 145.90E 660 7.7W **¶601562030**
SKHL VIII 14 02 59 35.9–.90 49.72N 145.72E 589–26 6.8s,6.7b
JMA VIII 14 02 59 36.2–.40 49.18N 145.88E 654 7.3,6.7b
KRSC VIII 14 02 59 36.5–1.0 49.57N 145.38E 604–15 7.7L,6.7b
ISCJB VIII 14 02 59 37.6–.12 49.76N–.01 145.13E–.01 586–1 6.7b,6.7b
BJI VIII 14 02 59 37.8 49.66N 145.41E 610 7.2b,6.7b
MOS VIII 14 02 59 37.8–.78 49.75N 145.17E 591 6.8b,6.7b
NEIC VIII 14 02 59 38.5–.20 49.80N 145.06E 583–2 7.7W,7.7W
IDC VIII 14 02 59 38.9–.37 49.78N 145.18E 586–4 7.0,6.1
NEIC VIII 14 02 59 42.0–.00 50.20N 145.58E 600 7.0,6.1
GCMT VIII 14 02 59 50.5–.10 49.97N–.01 145.70E–.01 598–1 7.7W,6.1
NEIC VIII 14 02 59 57.7–.00 49.52N 145.61E 623 7.7W,6.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ39.00000°,λ39.00000°. NP2:ϕ_s252.00000°,δ67.00000°,λ122.00000°. $M_0$3.66000×10^{20}
SKHL Event type fe. Felt (II) at Gornozavodsk. Felt (II) at Yuzhno-Kuril'sk, Yuzhno-Sakhalinsk, Korsakov, Aniva, Kholmsk, Nevel'sk. Felt (II-III) at Pil'vo, Smirnykh, Dolinsk, Mgachi; (II) at Nogliki, Khabarovsk, Okha. Felt (III) at Shakhtersk, Bykov, Starodubskoye, Aleksandrovsk-Sakhalinsky, Shebunino. Felt (III-IV) at Tymovskoye, Uglegorsk, Porona'sk; (III) at Makarov, Ado-Tymovo.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.8km az=-1.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=154.1.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=3.6km az=73.7. Fault plane solution: P-wave C160, D164 . Felt (III-IV) at Tymovskoye, Uglegorsk, Poronaisk; (III) at Makarov, Ado-Tymovo, Shakhtersk, Magadan, Shebunino, Starodubskoye, Aleksandrovsk-Sakhalinskiy, Bykov, Malokuril'skoye; (II-III) at Pil'vo, Smirnykh, Dolinsk, Mgachi, Sovetskaya Gavan', Boshnyakovo, Komsomol'sk-na-Amure, Udarnoye; (II) at Nogliki, Onor, Khabarovsk, Yuzhno-Kuril'sk, Okha, Nevel'sk, Korsakov, Yuzhno-Sakhalinsk, Kholmsk, Aniva, Gornozavodsk. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s245.00000°,δ71.00000°,λ95.00000°. NP2: ϕ_s50.00000°,δ20.00000°,λ76.00000°. Principal axes: T Plg64.0000°,Azm163.0000° ; N Plg5.0000°,Azm63.0000°; P Plg26.0000°,Azm331.0000°
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=160.0. Felt [V] at Poronaysk and [III] at Yuzhno-Sakhalinsk, Russia. Also felt at Magadan, Yakutsk and in much of Sakhalin. Felt [III] at Misawa and Tokyo, Japan. Also felt in parts of Hokkaido and northern Honshu. Felt at Harbin, China. Recorded [3 JMA] in southern and eastern Hokkaido. Also recorded [3 JMA] in Aomori and Iwate, Honshu. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 8 seconds after the onset. Focal mechanism based on larger event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000° ,δ35.00000°,λ48.00000°. NP2:ϕ_s230.00000°,δ65.00000°,λ115.00000°. Principal axes: T Plg62.0000°,Azm179.0000°; N Plg0.0000°,Azm0.0000°; P Plg16.0000°,Azm302.0000°
IDC Error ellipse: s-maj=4.9km s-min=4.0km az=118.0.
NEIC Event type se. Moment Tensor Solution. s66 Moment tensor: Scale 10^{20}Nm; M_{rr}3.46 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-1.91 $M_{r\theta}$-2.67 $M_{\theta\phi}$-2.26 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s243.00000°

,δ64.00000°,λ110.00000°. NP2:ϕ_e23.00000°,δ33.00000°,λ55.00000°. Principal axes:
T 4.6300,Plg65.0000°,Azm188.0000°; N 0.0200,Plg18.0000°,Azm53.0000°
; P -4.6600,Plg16.0000°,Azm317.0000° $M_0$4.60000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s.
Triangular moment-rate function. Moment Tensor Solution. s144,c407; s144,c397;
Duration: 17s8 Moment tensor: Scale 10^{20}Nm; M_{rr}3.84±.01 $M_{\theta\theta}$-1.87±.02; $M_{\phi\phi}$-1.97±.01;
$M_{r\theta}$-2.74±.01; $M_{\theta\phi}$-2.15±.02; $M_{\phi r}$-0.51±.01; Best double couple: NP1:ϕ_s243.00000°
,δ63.00000°,λ108.00000°. NP2:ϕ_e27.00000°,δ33.00000°,λ59.00000°. Principal axes:
T 4.9590,Plg67.0000°,Azm188.0000°; N -0.2430,Plg16.0000°,Azm54.0000°
; P -4.7160,Plg16.0000°,Azm320.0000° $M_0$4.83800×10^{20}
NEIC Event type se. Moment Tensor Solution. s57 Moment tensor: Scale 10^{20}Nm; M_{rr}3.77
$M_{\theta\theta}$-1.84 $M_{\phi\phi}$-1.93 $M_{r\theta}$-2.84 $M_{\theta\phi}$-2.34 $M_{\phi r}$-0.71 Best double couple: NP1:ϕ_s242.00000°
,δ64.00000°,λ108.00000°. NP2:ϕ_e26.00000°,δ32.00000°,λ58.00000°. Principal axes:
T 4.9600,Plg66.0000°,Azm186.0000°; N 0.0100,Plg16.0000°,Azm54.0000°
; P -4.9700,Plg17.0000°,Azm319.0000° $M_0$5.00000×10^{20}

ISC	**VIII**	**14 22 41 33.0–1.2**	**50.0N–.20**	**145.8E–.50**	**600**	**3.1b**	**8**	**6-74**	
ISCJB	VIII	14 22 41 32.7–.94	50.0N–.20	145.7E–.70	600	3.1b			¶601765854
IDC	VIII	14 22 41 33.2–1.7	49.97N	145.99E	610–22	4.0,3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=63.6km s-min=12.2km az=14.6.								
IDC	Error ellipse: s-maj=69.7km s-min=18.5km az=94.0.								
JMA	**IX**	**06 21 49 56.9–.40**	**46.82N**	**145.24E**	**419**	**3.6**			
									¶606025931
JMA	Error ellipse: s-maj=4.4km s-min=5.3km az=-1.0.								
ISC	**IX**	**30 23 02 05.1–1.3**	**50.4N–.20**	**149.3E–.10**	**500**	**3.8b**	**14**	**11-151**	
ISCJB	IX	30 23 02 04.7–1.4	50.5N–.30	149.3E–.20	500	3.6b			¶601857556
IDC	IX	30 23 02 04.8–3.1	50.34N	149.31E	499–30	4.1,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=34.3km s-min=15.2km az=168.6.								
IDC	Error ellipse: s-maj=34.9km s-min=15.8km az=179.0.								
ISC	**X**	**05 20 47 35.6–1.5**	**47.1N–.10**	**145.6E–.20**	**450**		**18**	**3-61**	
IDC	X	05 20 47 37.0–3.4	47.48N	145.31E	442–55	3.8,3.2b			¶601997198
ISCJB	X	05 20 47 38.4–1.5	46.9N–.10	145.5E–.30	450	3.5b,3.2b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**X**	**06 14 06 30.5–.70**	**48.1N–.10**	**146.2E–.10**	**472**	**3.2b**	**14**	**5-81**	
ISCJB	X	06 14 06 29.4–.56	48.2N–.10	146.2E–.20	472	3.2b			¶601997279
IDC	X	06 14 06 31.0–1.3	48.13N	146.17E	484–17	3.7,3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=19.2km s-min=10.1km az=39.2.								
IDC	Error ellipse: s-maj=17.9km s-min=12.5km az=126.0.								
ISC	**X**	**14 13 49 19.9–.65**	**46.55N–.07**	**144.85E–.09**	**400**	**3.3b**	**40**	**2-76**	
ISCJB	X	14 13 49 18.7–.47	46.59N–.04	144.9E–.10	400	3.4b			¶601874157
JMA	X	14 13 49 20.5–.40	46.46N	144.90E	401	3.7			
IDC	X	14 13 49 20.1–1.4	46.85N	144.78E	388–16	3.7,3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=11.4km s-min=5.1km az=11.9.								
JMA	Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.								
IDC	Error ellipse: s-maj=20.8km s-min=15.7km az=120.0.								
ISC	**X**	**19 15 41 02.7–.69**	**49.92N–.10**	**145.4E–.10**	**600**	**3.8b**	**24**	**6-74**	
ISCJB	X	19 15 41 01.8–.49	49.98N–.08	145.3E–.20	600	3.6b			¶601874179
IDC	X	19 15 41 02.1–1.4	49.95N	145.35E	587–19	4.1,3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=15.9km s-min=8.8km az=21.4.								
IDC	Error ellipse: s-maj=14.1km s-min=8.9km az=108.0.								
KRSC	**X**	**24 22 37 27.5–.17**	**59.39N**	**158.44E**	**2–1**	**3.7L**			
									¶604184064
KRSC	Event type se.								
ISC	**XI**	**21 10 44 32.3–.38**	**51.41N–.04**	**150.92E–.04**	**532–4**	**4.4b**	**486**	**3-150**	
BJI	XI	21 10 44 29.7	51.50N	150.80E	506	4.9b,4.8b			¶601993441
KRSC	XI	21 10 44 30.3–1.2	51.24N	151.19E	554–23	5.4L,4.8b			
ISCJB	XI	21 10 44 31.7–.15	51.43N–.03	150.89E–.04	535–2	4.3b,4.8b			
SKHL	XI	21 10 44 31.4–.90	51.34N	150.78E	542–30	5.0b,5.0s			
MOS	XI	21 10 44 31.9–.96	51.40N	150.97E	546	4.3b,5.0s			
NEIC	XI	21 10 44 32.3–.22	51.49N	150.76E	524–3	4.4b,5.0s			
IDC	XI	21 10 44 33.1–.50	51.49N	150.81E	538–5	4.6,3.8			
ISC	Event type se.								
KRSC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=2.6km az=145.1.								
MOS	Error ellipse: s-maj=6.6km s-min=4.7km az=73.8.								
NEIC	Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=148.0.								
IDC	Error ellipse: s-maj=8.9km s-min=5.5km az=143.0.								
ISC	**XI**	**26 12 31 49.5–.71**	**47.17N–.08**	**145.2E–.10**	**500**	**3.1b**	**28**	**3-82**	
ISCJB	XI	26 12 31 48.6–.50	47.23N–.05	145.2E–.20	500	3.2b			¶602389993
IDC	XI	26 12 31 49.8–1.6	47.72N	145.09E	462–19	3.7,3.0			
JMA	XI	26 12 31 50.0–.40	47.22N	145.45E	484	3.6,3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.4km s-min=6.6km az=11.1.								
IDC	Error ellipse: s-maj=21.3km s-min=16.5km az=114.0.								
JMA	Error ellipse: s-maj=5.6km s-min=6.0km az=-1.0.								
ISC	**XII**	**12 23 46 11.1–1.3**	**48.3N–.20**	**146.9E–.10**	**500**	**3.4b**	**15**	**10-80**	
IDC	XII	12 23 46 09.6–2.4	48.44N	146.93E	470–34	3.9,3.3			¶602090182
ISC	Event type ke.								
IDC	Error ellipse: s-maj=30.7km s-min=13.7km az=171.0.								

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ISC	**VII**	**13 01 46 33.0–.70**	**36.97N–.04**	**120.17E–.05**	**10**	**4.1b**	**18**	**2-76**	
ISCJB	VII	13 01 46 30.3–.62	36.86N–.04	120.24E–.08	10	3.9b,3.6s			¶601276076
BJI	VII	13 01 46 32.6	37.09N	120.00E	8	3.9L,3.6s			
IDC	VII	13 01 46 32.9–3.8	36.92N	120.17E	0	4.0,4.0b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.5km s-min=5.5km az=16.7.								
IDC	Error ellipse: s-maj=108.7km s-min=21.7km az=5.0.								
ISC	**VII**	**20 12 11 53.5–.48**	**33.02N–.03**	**119.70E–.03**	**18–1**	**4.9b,4.5s**	**438**	**1-96**	
ISCJB	VII	20 12 11 50.8–.13	33.00N–.02	119.63E–.02	13	4.8b,4.5s			¶601453276
IDC	VII	20 12 11 50.0–.55	33.00N	119.64E	0	4.8,4.6			
BJI	VII	20 12 11 51.1	33.04N	119.57E	15	5.3L,5.0b			
MOS	VII	20 12 11 51.9–1.1	33.03N	119.64E	21	5.0b,4.8s			
GCMT	VII	20 12 11 52.0–.20	33.08N	119.49E	14–1	5.0W,4.8s			
NEIC	VII	20 12 11 52.0–.11	32.98N	119.59E	10	4.9b,4.8s			
ISC	Event type de.								
ISCJB	Event type de. Error ellipse: s-maj=2.7km s-min=2.3km az=27.9.								
IDC	Error ellipse: s-maj=15.9km s-min=13.3km az=51.0.								
MOS	Error ellipse: s-maj=6.4km s-min=4.5km az=111.4.								

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s47,c61; s101,c180;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.08 $M_{\theta\theta}$2.58±.08; $M_{\phi\phi}$-2.42±.09;
$M_{r\theta}$1.16±.21; $M_{\theta\phi}$2.53±.08; $M_{\phi r}$-0.12±.17; Best double couple: NP1:ϕ_s113.00000°,δ87.00000°
,λ17.00000°. NP2:ϕ_e22.00000°,δ73.00000°,λ177.00000°. Principal axes:
T 3.8990,Plg14.0000°,Azm338.0000°; N -0.3250,Plg73.0000°,Azm123.0000°
; P -3.5710,Plg10.0000°,Azm246.0000° $M_0$3.73500×10^{16}

NEIC Event type de. Error ellipse: s-maj=2.9km s-min=2.6km az=109.0. One person killed and two injured at Yangzhou. Thirteen rooms collapsed and 506 damaged at Taizhou and Yangzhou. Felt [III] at Changzhou, Nanjing, Xiaolingwei and Yangzhou. Also felt at Chuzhou, Gaoyou, Hefei, Huaiyin, Yancheng and Zhenjiang.

ISC	**VII**	**20 12 24 42.5–.87**	**33.04N–.05**	**119.70E–.07**	**10**	**3.6b**	**15**	**1-75**	
ISCJB	VII	20 12 24 39.9–.72	33.12N–.04	119.55E–.09	10	3.6b			¶601453721
IDC	VII	20 12 24 41.2–.95	32.96N	119.67E	0	3.8,3.6			
BJI	VII	20 12 24 43.1	33.05N	119.57E	10	4.3L,4.0b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.6km s-min=5.7km az=180.0.								
IDC	Error ellipse: s-maj=22.5km s-min=20.8km az=112.0.								
ISC	**VII**	**20 12 31 39.7–.90**	**33.10N–.05**	**119.44E–.08**	**10**	**3.5b**	**15**	**1-58**	
ISCJB	VII	20 12 31 38.8–1.1	33.12N–.04	119.3E–.20	10	3.5b			¶601453722
BJI	VII	20 12 31 38.2	33.05N	119.57E	9	3.9L,3.8b			
IDC	VII	20 12 31 39.3–1.4	33.13N	119.53E	0	3.6,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=19.3km s-min=5.0km az=171.5.								
IDC	Error ellipse: s-maj=32.7km s-min=29.1km az=38.0.								
ISC	**VII**	**20 12 38 05.6–1.0**	**33.08N–.06**	**119.51E–.09**	**10**	**3.9b**	**15**	**1-55**	
ISCJB	VII	20 12 38 03.4–.82	33.11N–.04	119.33E–.10	10	3.9b			¶601453723
BJI	VII	20 12 38 03.5	33.00N	119.56E	10	4.0L			
IDC	VII	20 12 38 04.3–1.3	32.83N	119.54E	0	3.9b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.0km s-min=5.6km az=177.6.								
IDC	Error ellipse: s-maj=28.4km s-min=24.0km az=43.0.								
BJI	**VIII**	**17 22 11 45.0**	**33.28N**	**109.28E**	**10**	**3.5L**			
									¶601566451
IDC	**IX**	**22 11 48 35.2–26**	**29.84N**	**109.98E**	**0**	**3.8,3.7b**			
									¶601863990
IDC	Error ellipse: s-maj=630.1km s-min=52.0km az=120.0.								
ISC	**IX**	**25 02 16 54.2–1.3**	**31.8N–.20**	**110.1E–.20**	**35**	**3.8b,3.5s**	**6**	**16-79**	
IDC	IX	25 02 16 49.5–1.1	31.60N	109.76E	0	3.9,3.9L			¶601742190
ISC	Event type ke.								
IDC	Error ellipse: s-maj=53.8km s-min=20.8km az=58.0.								
BJI	**X**	**02 05 26 21.2**	**33.73N**	**120.87E**	**22**	**4.0L,3.9b**			
									¶601776161
ISC	**X**	**30 19 42 38.9–.51**	**30.88N–.04**	**110.68E–.03**	**10**	**4.1b**	**55**	**1-62**	
ISCJB	X	30 19 42 37.3–.37	30.94N–.04	110.74E–.04	10	4.0b			¶601864854
IDC	X	30 19 42 38.1–.97	30.93N	110.54E	0	3.8b,3.8			
BJI	X	30 19 42 38.9	30.92N	110.77E	7	3.9L,3.6s			
NEIC	X	30 19 42 39.8–.39	30.88N	110.58E	10	4.4b,3.9L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=34.7.								
IDC	Error ellipse: s-maj=39.5km s-min=18.3km az=57.0.								
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=6.5km az=90.0.								
ISC	**X**	**30 21 53 36.2–1.2**	**31.1N–.10**	**110.9E–.30**	**35**	**3.6b**	**7**	**17-68**	
IDC	X	30 21 53 31.1–1.1	31.07N	110.90E	0	3.7,3.7L			¶601868009
ISCJB	X	30 21 53 34.0–.94	31.0N–.10	110.9E–.20	33	3.5b,2.5s			
ISC	Event type ke.								
ISCJB	Event type ke.								
BJI	**XI**	**01 16 09 45.8**	**35.95N**	**111.72E**	**5**	**3.9b,3.8L**			
									¶601868131
IDC	**XII**	**27 11 31 37.0–1.4**	**31.09N**	**110.78E**	**0**	**3.7b,3.6**			
									¶602380712
IDC	Error ellipse: s-maj=42.0km s-min=24.1km az=64.0.								
ISC	**XII**	**28 10 21 40.2–.55**	**28.96N–.03**	**106.97E–.04**	**10**	**4.1b**	**49**	**3-83**	
ISCJB	XII	28 10 21 37.2–.35	28.95N–.03	107.00E–.04	10	4.0b,3.4s			¶602064197
IDC	XII	28 10 21 37.6–.83	29.02N	107.00E	0	4.0,3.9			
NEIC	XII	28 10 21 38.8–.42	28.89N	106.92E	10	4.2b,3.8L			
BJI	XII	28 10 21 39.1	28.95N	106.95E	6	3.9b,3.8L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=162.1.								
IDC	Error ellipse: s-maj=25.5km s-min=18.6km az=57.0.								
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=82.0.								

(665) Yellow Sea.

BJI	**VIII**	**20 13 43 09.7**	**35.48N**	**124.78E**	**30**	**3.7L**			
									¶601610503
ISC	**VIII**	**25 10 57 46.7–.41**	**33.92N–.04**	**122.09E–.04**	**10**	**4.4b,3.8s**	**133**	**3-147**	
ISCJB	VIII	25 10 57 44.2–.28	33.96N–.03	122.04E–.03	10	4.3b,3.8s			¶601626191
IDC	VIII	25 10 57 44.6–.51	34.07N	122.02E	0	4.3,4.2			
BJI	VIII	25 10 57 45.2	33.84N	122.02E	15	4.8b,4.6L			
NEIC	VIII	25 10 57 45.8–.30	33.99N	121.99E	10	4.6b,4.6L			
MOS	VIII	25 10 57 47.4–1.3	33.96N	122.09E	33	4.5b,4.6L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=151.5.								
IDC	Error ellipse: s-maj=16.9km s-min=12.6km az=66.0.								
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=5.6km az=168.0.								
MOS	Error ellipse: s-maj=8.2km s-min=6.1km az=93.5.								

SEISMIC REGION 42.
Northeastern Asia, Northern Alaska to Greenland.

(670) Near north coast of eastern Siberia.

ISC	**XII**	**02 06 55 28.9–.65**	**66.3N–.10**	**174.83W–.05**	**10**	**4.2b**	**78**	**4-74**	
ISCJB	XII	02 06 55 26.8–.43	66.32N–.09	174.72W–.08	10	4.1b			¶602210443
MOS	XII	02 06 55 26.7–.94	66.28N	174.83W	11	4.3b			
IDC	XII	02 06 55 27.4–1.2	66.28N	174.84W	0	4.1,3.9			
NEIC	XII	02 06 55 28.8–.27	66.27N	174.84W	10	4.4b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.2km s-min=4.2km az=7.8.								
MOS	Error ellipse: s-maj=23.9km s-min=11.2km az=108.0.								
IDC	Error ellipse: s-maj=33.9km s-min=18.8km az=175.0.								
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=2.5km az=191.0.								
ISC	**XII**	**08 06 18 38.7–.57**	**66.61N–.10**	**174.75W–.08**	**10**	**4.1b**	**57**	**3-74**	
MOS	XII	08 06 18 35.6–1.1	66.49N	174.76W	10	4.1b			¶602052858
ISCJB	XII	08 06 18 36.6–.39	66.63N–.06	174.7W–.10	10	3.8b			
IDC	XII	08 06 18 36.7–1.2	66.57N	174.93W	0	6.2L,3.9			
NEIC	XII	08 06 18 38.2–2.4	66.61N	174.74W	7–16	4.0b,3.9			
ISC	Event type se.								
MOS	Error ellipse: s-maj=25.5km s-min=15.3km az=109.4.								
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=27.3.								
IDC	Error ellipse: s-maj=38.8km s-min=17.1km az=22.0.								
NEIC	Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=199.0.								
ISC	**XII**	**25 17 54 05.1–.42**	**66.35N–.07**	**174.86W–.05**	**10**	**4.6b**	**130**	**3-86**	
ISCJB	XII	25 17 54 03.0–.25	66.29N–.05	174.77W–.07	10	4.5b,3.4s			¶602090243
MOS	XII	25 17 54 03.4–.95	66.25N	174.84W	15	4.8b,3.4s			
IDC	XII	25 17 54 03.8–.81	66.32N	174.79W	0	4.3,4.1			
NEIC	XII	25 17 54 05.0–.22	66.27N	174.86W	10	4.8b,4.1			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.1km s-min=3.5km az=13.7.								
MOS	Error ellipse: s-maj=16.0km s-min=8.7km az=102.8.								
IDC	Error ellipse: s-maj=24.6km s-min=13.8km az=7.0.								
NEIC	Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=194.0.								

(671) Eastern Siberia.

ISC	**VII**	**24 21 25 04.3–.58**	**61.24N–.04**	**167.53E–.04**	**16–3**	**4.7b,3.8s**	**654**	**1-151**	
BJI	VII	24 21 25 01.7	61.70N	167.55E	10	4.9b,4.7s			¶601467941
IDC	VII	24 21 25 01.5–.50	61.20N	167.40E	0	4.4,4.3			
ISCJB	VII	24 21 25 02.6–.89	61.32N–.03	167.50E–.03	17–6	4.6b,3.8s			
MOS	VII	24 21 25 02.8–.97	61.30N	167.43E	18	4.9b,3.8s			
KRSC	VII	24 21 25 02.1–2.1	61.08N	167.80E	31–18	4.9L,3.8s			
NEIC	VII	24 21 25 07.4–.65	61.33N	167.42E	36–6	4.8b,3.8s			
GCMT	VII	24 21 25 07.4–.40	61.27N	167.41E	22–1	4.8W,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=15.5km s-min=9.1km az=173.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=2.4km az=168.4.								
MOS	Error ellipse: s-maj=8.6km s-min=3.9km az=79.7.								
KRSC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=2.7km az=176.0.								

GCMT Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0. nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s20,c25; s66,c98;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.18 $M_{\theta\theta}$-0.01±.11; $M_{\phi\phi}$-1.71±.10;
$M_{r\theta}$-0.34±.20; $M_{\theta\phi}$-0.56±.06; $M_{\phi r}$-0.50±.12; Best double couple: NP1:ϕ_s203.00000°
,δ54.00000°,λ97.00000°. NP2:ϕ_e10.00000°,δ36.00000°,λ80.00000°. Principal axes:
T 1.8300,Plg79.0000°,Azm142.0000°; N 0.1360,Plg6.0000°,Azm18.0000°
; P -1.9660,Plg9.0000°,Azm287.0000° $M_0$1.89800×10^{16}

ISC	**VIII**	**06 22 51 15.3–.60**	**65.1N–.10**	**173.47W–.06**	**10**	**4.0b,3.2s**	**34**	**11-97**	
ISCJB	VIII	06 22 51 13.3–.45	65.03N–.09	173.7W–.10	10	3.9b,3.2s			¶601582216
IDC	VIII	06 22 51 13.3–.68	64.94N	173.71W	0	4.0,3.8			
NEIC	VIII	06 22 51 14.8–.46	64.97N	173.62W	10	4.2b,3.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=3.9.								
IDC	Error ellipse: s-maj=20.6km s-min=13.1km az=5.0.								
NEIC	Event type se. Error ellipse: s-maj=14.2km s-min=6.9km az=180.0.								
ISC	**VIII**	**28 09 01 31.3–.73**	**62.09N–.03**	**145.64E–.02**	**13–5**	**4.1b**	**114**	**1-152**	
MOS	VIII	28 09 01 28.6–.97	62.07N	145.53E	5	4.3b			¶601755507
ISCJB	VIII	28 09 01 28.5–.71	61.97N–.03	145.70E–.06	3–5	4.0b,3.9s			
IDC	VIII	28 09 01 29.3–.67	62.01N	145.55E	0	4.1L,4.0			
NEIC	VIII	28 09 01 31.3–.29	62.08N	145.62E	10	4.4b,4.0			
NERS	VIII	28 09 01 32.3	61.96N	145.79E	12	4.4b,4.0			

YARS VIII 28 09 01 33.2–.10 61.99N–.01 145.73E–.02 20–10 4.4b,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
NERS Event type se.
KRSC X 09 15 00 18.4–1.7 60.80N 167.22E 3–12 3.6L
¶604184036
KRSC Event type se.
KRSC X 17 18 14 20.2–.11 60.45N 165.82E 19–3 3.9L
¶604184050
KRSC Event type se.
IDC X 24 18 19 17.2–1.1 64.61N 174.18W 0 3.8,3.6b
¶601999519
IDC Error ellipse: s-maj=45.9km s-min=19.6km az=1.0.
ISC XI 18 14 48 25.6–.67 62.47N–.04 140.97E–.03 10 40 3-12
YARS XI 18 14 48 28.8–.20 62.43N–.01 140.83E–.02 15–9 **¶602428890**
NERS XI 18 14 48 30.9 62.29N 141.13E 28
ISC Event type se.
NERS Event type se.
KRSC XI 29 11 00 39.5–1.1 61.50N 164.23E 6–11 4.3L
¶604184139
KRSC Event type se.
KRSC XI 29 19 24 17.9–.80 61.51N 168.04E 2–9 3.9L
¶604184140
KRSC Event type se.
IDC XII 21 23 16 57.9–2.6 61.72N 167.62E 0 3.7,3.4
¶602391833
IDC Error ellipse: s-maj=100.9km s-min=30.5km az=178.0.

(672) Chukchi Sea.
NEIC VII 03 13 50 36.9–.00 68.19N 168.71W 20 2.8L
¶601562069
NEIC Event type se. After AEIC.

(673) Bering Strait.
ISC VII 02 04 06 12.2–1.5 67.45N–.09 167.2W–.10 10 3.6b 17 2-53
IDC VII 02 04 06 07.9–4.0 66.97N 168.69W 0 4.1,3.7 **¶601532795**
ISCJB VII 02 04 06 10.7–1.1 67.40N–.07 167.0W–.20 10 3.4b,3.7
NEIC VII 02 04 06 11.6–.00 67.44N 167.24W 20 3.3L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=157.5km s-min=53.1km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.0km az=136.0.
NEIC Event type se. After AEIC.
ISC VII 06 08 04 02.4–.70 67.63N–.07 167.28W–.06 10 3.9b 32 2-75
ISCJB VII 06 08 04 00.9–.55 67.55N–.06 167.3W–.10 10 3.8b,2.7s **¶601456851**
NEIC VII 06 08 04 02.4–.00 67.52N 167.55W 20 3.7L,2.7s
IDC VII 06 08 04 02.5–.81 68.19N 167.27W 0 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=9.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=33.6km s-min=13.8km az=21.0.
ISC VIII 07 20 44 17.3–1.5 67.27N–.07 166.2W–.10 10 3.4b 45 1-53
NEIC VIII 07 20 44 12.9–.00 67.35N 167.27W 25 3.5L **¶601713622**
IDC VIII 07 20 44 13.1–3.7 67.73N 167.24W 0 4.0,3.7L
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=70.9km s-min=51.8km az=168.0.
ISC IX 17 05 51 03.8–2.1 67.34N–.10 166.3W–.10 10 3.1b 17 1-53
IDC IX 17 05 50 54.4–6.1 68.19N 168.70W 0 3.8,3.5 **¶601738698**
NEIC IX 17 05 51 03.1–.00 67.24N 166.52W 20 3.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=121.5km s-min=80.6km az=153.0.
NEIC Event type se. After AEIC.
ISC IX 17 07 04 41.7–2.0 67.38N–.09 166.6W–.10 10 3.5b 15 2-53
IDC IX 17 07 04 34.6–6.2 67.46N 168.74W 0 4.1,3.6 **¶601738699**
NEIC IX 17 07 04 39.8–.00 67.44N 167.10W 20 3.4L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=184.7km s-min=92.3km az=176.0.
NEIC Event type se. After AEIC.
ISC IX 18 11 51 51.7–1.4 67.33N–.09 166.82W–.09 10 3.5b 20 2-39
ISCJB IX 18 11 51 49.7–1.0 67.30N–.06 166.8W–.20 10 3.4b,3.1s **¶601842084**
IDC IX 18 11 51 51.9–4.0 67.97N 166.93W 0 4.1,3.7
NEIC IX 18 11 51 52.7–.00 67.27N 166.82W 24 3.3L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.8km az=41.3.
IDC Error ellipse: s-maj=68.5km s-min=49.3km az=160.0.
NEIC Event type se. After AEIC.
ISC IX 23 04 37 05.0–1.7 67.23N–.09 166.2W–.10 10 3.2b 17 1-39
IDC IX 23 04 36 56.7–7.0 68.00N 168.48W 0 3.9,3.5 **¶601851707**
NEIC IX 23 04 37 05.2–.00 67.29N 166.55W 28 3.4L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=115.9km s-min=69.2km az=127.0.
NEIC Event type se. After AEIC.
ISC XII 17 19 46 24.4–.91 67.66N–.08 166.34W–.07 10 3.8b 31 1-61
ISCJB XII 17 19 46 21.9–.53 67.56N–.05 166.7W–.10 10 3.8b,3.3s **¶602374056**
NEIC XII 17 19 46 24.6–.00 67.52N 166.56W 16 3.6L,3.3s
IDC XII 17 19 46 24.9–2.7 67.96N 166.69W 0 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=25.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=76.4km s-min=17.2km az=19.0.

(676) Northern Alaska.
NEIC VII 31 12 03 35.6–.00 64.38N 161.19W 20 2.8L
¶601713592
NEIC Event type se. After AEIC.
ISC VIII 11 01 57 02.8–.97 69.72N–.07 143.78W–.04 10 38 2-11
ISCJB VIII 11 01 57 03.8–.64 69.56N–.05 143.6W–.10 10 **¶601561666**
PGC VIII 11 01 57 07.0–25 69.81N 144.16W 30 3.0L
NEIC VIII 11 01 57 08.2–.00 69.43N 144.46W 8 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=19.5.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=-1.0. 166km east of Prudhoe Bay, Ak Northern Alaska.
NEIC Event type se. After AEIC.
ISC VIII 31 05 03 55.3–1.3 65.96N–.03 147.73W–.03 2–9 4.0b,3.4s 119 1-65
NEIC VIII 31 05 03 55.6–.00 65.97N 147.76W 13 4.1b,4.0L **¶601736734**
IDC VIII 31 05 03 57.6–1.1 65.93N 147.05W 0 4.0,3.8
ISC Event type fe.
NEIC Event type fe. Felt [II] at Fairbanks. Also felt at Central and North Pole. After AEIC. Moment Tensor Solution. s35 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.17 $M_{\theta\phi}$-1.15 $M_{\theta r}$0.30 Best double couple: NP1:ϕ_s268.00000°,δ77.00000°,λ-172.00000°. NP2: ϕ_s176.00000°,δ83.00000°,λ-13.00000°. Principal axes: T 1.1400,Plg4.0000°,Azm222.0000° ; N 0.1100,Plg75.0000°,Azm327.0000°; P -1.2500,Plg14.0000°,Azm131.0000° $M_0$1.20000×10^{15}
IDC Error ellipse: s-maj=16.4km s-min=9.3km az=103.0.
NEIC IX 14 17 50 15.0–.00 65.62N 143.27W 8 3.6L
¶601734488
NEIC Event type se. After AEIC.
IDC IX 25 23 53 51.2–1.1 66.49N 142.63W 0 4.1b,3.9
¶601864170
IDC Error ellipse: s-maj=20.2km s-min=12.5km az=147.0.
ISC IX 30 16 59 40.2–.65 68.54N–.04 147.23W–.04 10 4.0b 64 1-54
ISCJB IX 30 16 59 39.5–.42 68.45N–.03 147.25W–.09 10 3.9b **¶601768560**
NEIC IX 30 16 59 39.6–.00 68.48N 147.33W 3 4.0L
IDC IX 30 16 59 40.9–1.1 68.51N 147.12W 0 4.3,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=42.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=20.5km s-min=15.4km az=42.0.
ISC X 27 06 07 57.4–.85 68.73N–.05 147.06W–.04 10 59 1-34
ISCJB X 27 06 07 58.3–.57 68.54N–.04 147.36W–.09 10 3.6b **¶601999808**
NEIC X 27 06 07 59.2–.00 68.49N 147.35W 6 3.3L
IDC X 27 06 08 02.5–3.5 68.39N 146.60W 0 4.1,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=19.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=41.2km s-min=19.2km az=139.0.
ISC X 29 01 40 37.0–.72 67.61N–.05 162.49W–.06 10 3.6b 46 0-72
ISCJB X 29 01 40 35.7–.43 67.56N–.03 162.31W–.10 10 3.6b **¶602000183**
NEIC X 29 01 40 37.6–.00 67.62N 162.70W 20 3.6L
IDC X 29 01 40 37.7–1.1 68.10N 162.01W 0 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=145.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=32.5km s-min=17.2km az=37.0.
ISC XII 11 01 08 23.2–1.3 66.04N–.03 148.27W–.03 15–10 3.6b,3.3s 66 1-54
IDC XII 11 01 08 23.5–2.1 65.99N 148.11W 0 3.8,3.4 **¶602330462**
NEIC XII 11 01 08 24.3–.00 66.03N 148.33W 19 3.5L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=13.9km az=144.0.
NEIC Event type se. After AEIC.
ISC XII 11 09 32 35.5–.84 67.84N–.07 158.81W–.05 10 3.4b 73 2-51
ISCJB XII 11 09 32 33.5–.44 67.78N–.04 158.76W–.08 10 3.5b,3.2s **¶602340311**
IDC XII 11 09 32 35.5–1.6 68.00N 158.97W 0 3.8,3.8L
NEIC XII 11 09 32 36.9–.00 67.73N 158.90W 26 3.7b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=19.7.
IDC Error ellipse: s-maj=40.9km s-min=20.3km az=35.0.
NEIC Event type se. After AEIC.

(677) Northern Yukon Territory.
ISC VIII 09 08 42 41.8–.89 68.20N–.08 136.07W–.07 10 3.8b 13 1-43
ISCJB VIII 09 08 42 39.3–.82 68.18N–.10 136.4W–.20 10 3.7b,3.1s **¶601765690**
IDC VIII 09 08 42 41.0–1.2 68.33N 136.49W 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=7.8km az=150.9.
IDC Error ellipse: s-maj=16.5km s-min=10.1km az=166.0.
ISC VIII 10 06 57 22.8–.41 68.11N–.04 136.13W–.04 10 4.2b 283 1-88
IDC VIII 10 06 57 20.9–.80 68.29N 136.32W 0 4.3,4.0 **¶601534324**
MOS VIII 10 06 57 21.1–1.0 68.28N 136.67W 10 4.5b,4.0
NEIC VIII 10 06 57 22.6–.00 68.27N 136.29W 20 4.3b,4.0W
PGC VIII 10 06 57 22.6–3.2 68.27N 136.29W 20 4.1L,4.0W
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=10.8km az=3.0.
MOS Error ellipse: s-maj=19.1km s-min=6.5km az=86.0.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$1.30000×10^{15}
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=-1.0. 114km west of Inuvik, Nt Northern Yukon Territory, Canada.
ISC IX 01 10 57 33.2–.49 66.85N–.04 135.73W–.04 10 4.3s,4.0b 99 2-90
ISCJB IX 01 10 57 31.5–.25 66.83N–.03 135.77W–.06 10 4.2s,3.9b **¶601685279**
IDC IX 01 10 57 33.1–.57 67.02N 136.00W 0 4.2s,4.2
NEIC IX 01 10 57 35.0–.00 66.84N 135.61W 20 4.2b,4.1L
PGC IX 01 10 57 35.8–.01 66.84N 135.61W 20 4.3L,4.0W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=150.0.
IDC Error ellipse: s-maj=10.2km s-min=9.3km az=121.0.
NEIC Event type se. After OTT. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.70 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-2.19 $M_{r\theta}$0.17 $M_{\theta\phi}$5.69 $M_{\phi r}$4.04 Best double couple: NP1:ϕ_s98.00000°,δ53.00000°,λ10.00000°. NP2:ϕ_s2.00000°,δ82.00000° ,λ143.00000°. Principal axes: T 6.6400,Plg32.0000°,Azm313.0000°; N 1.1100,Plg52.0000° ,Azm172.0000°; P -7.7500,Plg19.0000°,Azm56.0000° $M_0$7.30000×10^{14}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 84km Wsw of Fort McPherson, Nt Northern Yukon Territory, Canada.
ISC X 24 13 36 41.9–.48 65.28N–.03 133.94W–.04 10 4.5b 142 3-87
ISCJB X 24 13 36 40.0–.25 65.28N–.02 134.12W–.05 10 4.5b **¶601846008**
IDC X 24 13 36 42.0–.79 65.36N 134.35W 0 4.1,4.0L
NEIC X 24 13 36 42.0–.00 65.24N 134.17W 1 4.5b,4.2L
PGC X 24 13 36 42.7–.01 65.24N 134.17W 1 4.5b,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=147.8.
IDC Error ellipse: s-maj=17.0km s-min=9.5km az=15.0.
NEIC Event type se. After OTT.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 244km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
ISC XII 11 05 12 20.7–.56 68.02N–.03 136.41W–.03 16–3 5.1b,4.3s 1506 1-158
BJI XII 11 05 12 16.1 67.93N 136.32W 9 5.3b,5.0s **¶602034593**
AEIC XII 11 05 12 17.4–.00 68.11N 136.58W 11 5.3b,5.0s
MOS XII 11 05 12 18.4–.81 68.12N 136.60W 10 5.3b,4.1s
IDC XII 11 05 12 18.9–.35 68.17N 136.44W 0 5.0,4.9
GCMT XII 11 05 12 18.7–.30 68.26N–.04 136.05W–.06 12 4.9W,4.9
ISCJB XII 11 05 12 19.5–.07 68.10N–.01 136.55W–.03 19 5.1b,4.3s
PGC XII 11 05 12 20.2–8.0 68.09N 136.37W 10 5.1b,5.1L
NEIC XII 11 05 12 20.7–.00 68.09N 136.37W 10 5.1b,4.9W
ISC Event type ke.
AEIC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=3.7km az=91.3.
IDC Error ellipse: s-maj=9.0km s-min=7.2km az=18.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c26; s80,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.13 $M_{\theta\theta}$0.43±.14; $M_{\phi\phi}$2.34±.11; $M_{r\theta}$0.99±.48; $M_{\theta\phi}$1.28±.10; $M_{\theta r}$0.09±.40; Best double couple: NP1:ϕ_s223.00000°,δ52.00000°,λ-69.00000°. NP2:ϕ_s11.00000°,δ42.00000°,λ-115.00000°. Principal axes: T 3.0310,Plg5.0000° ,Azm298.0000°; N 0.0360,Plg16.0000°,Azm30.0000°; P -3.0730,Plg73.0000°,Azm190.0000° $M_0$3.05200×10^{16}
ISCJB Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=137.2.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.4km az=-1.0. 109km Wnw of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$2.60000×10^{16} Moment Tensor Solution. s13 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44 $M_{\theta\theta}$0.18 $M_{\phi\phi}$1.26 $M_{r\theta}$0.32 $M_{\theta\phi}$1.06 $M_{\phi r}$-0.11 Best double couple: NP1:ϕ_s228.00000°,δ49.00000°,λ-67.00000°. NP2:ϕ_s15.00000° ,δ46.00000°,λ-114.00000°. Principal axes: T 1.9200,Plg1.0000°,Azm302.0000° ; N -0.3700,Plg17.0000°,Azm32.0000°; P -1.5500,Plg73.0000°,Azm208.0000° $M_0$1.80000×10^{16}
ISC XII 29 00 05 03.0–.91 68.17N–.05 136.28W–.05 10 34 1-31
ISCJB XII 29 00 05 03.4–.70 68.03N–.05 136.1W–.10 10 3.5b **¶602380806**
IDC XII 29 00 05 03.6–1.9 68.50N 136.59W 0 3.9,3.7
PGC XII 29 00 05 08.2–2.3 68.10N 136.42W 20 3.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.2km az=43.5.
IDC Error ellipse: s-maj=33.9km s-min=14.1km az=175.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 111km Wnw of Fort McPherson, Nt Northern Yukon Territory, Canada.

(678) Queen Elizabeth Islands.
OTT VIII 23 20 53 10.7–.44 77.42N 115.76W 18 3.6L
¶601623526
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. 161km northeast from Mould Bay, Nt.
ISC IX 02 19 53 03.5–.77 81.45N–.06 91.01W–.07 10 3.7b,3.1s 24 2-60
OTT IX 02 19 53 00.3–.50 81.90N 91.60W 18 4.2L,3.1s **¶601862806**
ISCJB IX 02 19 53 02.0–.53 81.38N–.05 90.6W–.40 10 3.7b,3.1s
IDC IX 02 19 53 03.2–1.0 81.52N 91.41W 0 3.9,3.7
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0. 235km northeast from Eureka, Nu.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.2km az=178.7.
IDC Error ellipse: s-maj=41.0km s-min=14.1km az=109.0.
ISC X 26 09 23 01.6–.85 75.88N–.06 120.47W–.06 10 3.5b 38 7-57
ISCJB X 26 09 23 00.0–.73 75.83N–.05 120.5W–.20 10 3.6b **¶601851591**
IDC X 26 09 23 02.7–1.4 76.23N 120.75W 0 3.8,3.7L
OTT X 26 09 23 04.5–.54 76.09N 121.01W 18 4.3L,3.7L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=154.0.
IDC Error ellipse: s-maj=28.7km s-min=24.7km az=99.0.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0. 48km west from Mould Bay, Nt Sverdrup Seismic Zone.

OTT	**XI**	**06 05 47 29.3–.28**	**74.56N**	**94.73W**	**18**	**3.8**		
								¶601879542

OTT Event type ke. Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. 16km south from Resolute, Nu Boothia Ungava Seismic Zone.

ISC	**XI**	**26 00 03 49.0–.49**	**75.57N–.05**	**97.41W–.05**	**10**	**3.8b**	**66**	**1-118**
ISCJB	XI	26 00 03 46.8–.33	75.47N–.04	97.3W–.10	10	3.7b		**¶601994464**
NEIC	XI	26 00 03 49.8–.46	75.60N	97.79W	10	4.0b,3.9		
IDC	XI	26 00 03 49.2–.84	75.73N	97.36W	0	4.0,3.8		
OTT	XI	26 00 03 52.6–.39	75.59N	97.26W	18	3.9,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=150.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=167.0.
IDC Error ellipse: s-maj=21.0km s-min=11.8km az=61.0.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0. 25km northwest from Polaris, Nu Boothia Ungava Seismic Zone.

OTT	**XII**	**27 00 41 24.3–.62**	**75.51N**	**118.18W**	**18**	**3.8L**	
							¶603302430

OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. 87km south from Mould Bay, Nt Sverdrup Seismic Zone.

(679) Northwest Territories.

OTT	**VIII**	**07 00 29 56.9–.22**	**65.05N**	**86.96W**	**18**	**3.6**	
							¶601531845

OTT Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0. 169km south from Repulse Bay, Nu Boothia Ungava Seismic Zone.

OTT	**IX**	**11 13 52 25.6–.79**	**73.35N**	**94.48W**	**18**	**3.5**	
							¶601710344

OTT Event type ke. Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0. 151km northeast from Fort Ross, Nu Boothia Ungava Seismic Zone.

PGC	**IX**	**29 13 02 21.8**	**62.25N**	**124.12W**	**1**	**3.5L**	
							¶601775975

PGC Event type ke. 159km west of Fort Simpson, Nt Nw Territories - Nunavut, Canada.

PGC	**X**	**06 17 55 20.5–.01**	**64.82N**	**129.67W**	**10**	**3.8L**	
							¶601795291

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 148km west of Norman Wells, Nt Nw Territories - Nunavut, Canada.

PGC	**XII**	**28 06 39 27.8–.01**	**62.36N**	**124.61W**	**10**	**3.6L**	
							¶604463483

PGC Event type ke. 186km west of Fort Simpson, Nt Nw Territories - Nunavut, Canada.

PGC	**XII**	**28 09 41 40.7–.04**	**62.34N**	**124.57W**	**5**	**3.7L**	
							¶604463484

PGC Event type ke. 184km west of Fort Simpson, Nt Nw Territories - Nunavut, Canada.

(680) Western Kalaallit Nunaat.

ISC	**VIII**	**19 03 26 04.3–.91**	**65.36N–.06**	**52.54W–.06**	**10**		**20**	**2-12**
ISCJB	VIII	19 03 26 04.1–.88	65.46N–.07	52.8W–.10	10			**¶601605976**
OTT	VIII	19 03 26 07.8–.20	65.45N	52.42W	18	3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.1km az=139.8.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. Western Greenland. 568km east from Qikiqtarjuaq, Nu.

ISC	**X**	**25 11 19 55.9–1.3**	**60.74N–.05**	**44.16W–.03**	**18–7**	**4.6b**	**390**	**1-151**
IDC	X	25 11 19 53.0–.47	60.68N	44.09W	0	4.4,4.3		**¶601846993**
OTT	X	25 11 19 52.7–1.1	60.57N	43.39W	18	4.8,4.3		
MOS	X	25 11 19 53.1–.97	60.73N	43.99W	10	4.8b,4.3		
ISCJB	X	25 11 19 53.0–.14	60.65N–.03	43.96W–.04	10	4.5b,4.3		
BJI	X	25 11 19 54.3	61.10N	44.18W	10	5.1b,4.8b		
NEIC	X	25 11 19 54.9–.11	60.66N	43.98W	10	4.6b,4.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=9.6km az=11.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=8.2km az=-1.0. Southern Greenland 1109km northeast from Aillik, Nl.
MOS Error ellipse: s-maj=11.4km s-min=7.2km az=85.3.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=168.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=173.0.

(681) Baffin Bay.

ISC	**VII**	**23 00 09 29.8–.94**	**73.23N–.06**	**70.61W–.05**	**10**		**25**	**3-12**
OTT	VII	23 00 09 32.7–.17	73.32N	70.45W	18	3.5L		**¶601465913**

ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0. Baffin Bay Seismic Zone. 256km east from Pond Inlet, Nu.

ISC	**IX**	**04 11 00 51.1–.95**	**72.63N–.06**	**66.26W–.06**	**10**		**12**	**2-8**
OTT	IX	04 11 00 54.9–.54	72.59N	66.12W	18	2.9L		**¶603370097**

ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0. 250km northeast from Clyde River, Nu Eastern Arctic Background Seismic Zone.

ISC	**X**	**27 15 45 42.2–.95**	**74.09N–.05**	**70.68W–.06**	**10**		**15**	**3-10**
OTT	X	27 15 45 45.7–.49	74.10N	70.54W	18	3.1L		**¶601866999**

ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=4.3km az=-1.0. 285km northeast from Pond Inlet, Nu Baffin Bay Seismic Zone.

(682) Baffin Island region.

ISC	**XII**	**11 08 26 39.3–.85**	**67.60N–.05**	**66.21W–.06**	**10**		**16**	**3-14**
ISCJB	XII	11 08 26 38.7–.64	67.54N–.05	65.9W–.10	10			**¶604463299**
OTT	XII	11 08 26 43.9–.18	67.56N	66.16W	18	3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.3km az=32.2.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 91km west from Qikiqtarjuaq, Nu Eastern Arctic Background Seismic Zone.

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.

(684) Southern East Pacific Rise.

ISC	**VII**	**17 19 57 14.1–.82**	**23.7S–.20**	**115.5W–.20**	**10**	**4.0b**	**14**	**7-153**
ISCJB	VII	17 19 57 12.3–.98	23.7S–.20	115.5W–.20	10	4.0b		**¶601664743**
IDC	VII	17 19 57 12.3–.68	23.76S	115.56W	0	4.3,4.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=25.0km az=5.3.
IDC Error ellipse: s-maj=31.0km s-min=22.8km az=48.0.

ISC	**VII**	**17 20 06 53.5–.30**	**23.42S–.07**	**115.15W–.06**	**10**	**5.1b,4.8s**	**576**	**6-161**
IDC	VII	17 20 06 50.5–.60	23.53S	115.44W	0	4.7,4.6		**¶601404377**
ISCJB	VII	17 20 06 51.6–.27	23.43S–.04	115.11W–.04	10	5.1b,4.8s		
MOS	VII	17 20 06 52.3–1.1	23.32S	115.10W	10	5.1b,4.8s		
GCMT	VII	17 20 06 53.6–.10	23.52S	115.28W	16–0	5.3W,4.8s		
NEIC	VII	17 20 06 53.6–.52	23.50S	115.18W	11–3	5.1b,4.8s		
BJI	VII	17 20 06 56.0	23.40S	115.20W	20	5.4s,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=29.8.
MOS Error ellipse: s-maj=12.4km s-min=7.4km az=91.1.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s84,c138; s119,c222; Duration: 1≒1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.10±.02 $M_{\theta\theta}$-0.62±.02; $M_{\phi\phi}$0.52±.02; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$0.92±.01; $M_{\phi r}$0.29±.05; Best double couple: NP1:ϕ_s164.00000°,δ86.00000°,λ-163.00000°. NP2:ϕ_s73.00000°,δ73.00000°,λ-4.00000°. Principal axes:
T 1.0540,Plg9.0000°,Azm298.0000°; N 0.1580,Plg73.0000°,Azm176.0000°
; P -1.2130,Plg14.0000°,Azm30.0000° M_o1.13400×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.5km az=64.0.

ISC	**VIII**	**01 19 31 47.8–.71**	**56.2S–.20**	**124.5W–.20**	**10**	**4.1b,4.0s**	**15**	**30-154**
ISCJB	VIII	01 19 31 45.8–.74	56.1S–.20	124.6W–.20	10	4.1s,4.0b		**¶601511875**
IDC	VIII	01 19 31 45.9–.81	56.12S	124.69W	0	4.2,4.0		
NEIC	VIII	01 19 31 47.6–.60	56.11S	124.64W	10	4.5b,4.0		
GCMT	VIII	01 19 31 50.6–.20	55.80S–.01	124.07W–.02	21–1	5.1W,4.0		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c78; s100,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41±.17 $M_{\theta\theta}$3.37±.18; $M_{\phi\phi}$-2.96±.15; $M_{r\theta}$-0.55±.28; $M_{\theta\phi}$4.58±.12; $M_{\phi r}$0.12±.27; Best double couple: NP1:ϕ_s107.00000°,δ90.00000°,λ-6.00000°. NP2:ϕ_s197.00000°,δ84.00000°,λ-180.00000°. Principal axes: T 5.8020,Plg4.0000° ,Azm152.0000°; N -0.4180,Plg84.0000°,Azm286.0000°; P -5.3880,Plg4.0000°,Azm62.0000° M_o5.59500×10^{16}

ISC	**VIII**	**08 19 34 26.0–.91**	**20.7S–.20**	**114.1W–.30**	**10**	**3.9s,3.8b**	**14**	**8-151**
ISCJB	VIII	08 19 34 24.4–1.2	20.6S–.20	114.1W–.20	10	3.9b,3.9s		**¶601605944**
IDC	VIII	08 19 34 24.6–.80	20.69S	114.24W	0	4.3,4.0		
NEIC	VIII	08 19 34 25.7–.70	20.75S	114.12W	10	4.5b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=24.6km az=158.7.
IDC Error ellipse: s-maj=41.4km s-min=28.1km az=82.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=23.8km az=49.0.

ISC	**VIII**	**21 15 34 10.9–.54**	**24.0S–.10**	**115.3W–.10**	**21**	**4.8b,3.9s**	**101**	**6-153**
IDC	VIII	21 15 34 07.5–.63	23.96S	115.29W	0	4.3,4.1		**¶601615462**
ISCJB	VIII	21 15 34 09.3–.49	23.95S–.08	115.2W–.10	21	4.6b,3.9s		
NEIC	VIII	21 15 34 09.1–.29	24.03S	115.37W	10	4.9b,3.9s		
GCMT	VIII	21 15 34 12.1–.30	24.38S–.02	115.37W–.02	18–1	4.8W,3.9s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c27; s77,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.10 $M_{\theta\theta}$-1.39±.10; $M_{\phi\phi}$1.69±.11; $M_{r\theta}$-0.40±.23; $M_{\theta\phi}$1.58±.08; $M_{\phi r}$-0.33±.21; Best double couple: NP1:ϕ_s248.00000°,δ89.00000°,λ12.00000°. NP2:ϕ_s158.00000°,δ78.00000°,λ179.00000°. Principal axes: T 2.4350,Plg10.0000° ,Azm113.0000°; N -0.3460,Plg77.0000°,Azm253.0000°; P -2.0900,Plg8.0000°,Azm22.0000° M_o2.26200×10^{16}

IDC	**IX**	**09 02 09 03.2–1.1**	**55.18S**	**125.95W**	**0**	**4.2,4.0b**	
							¶601712329

IDC Error ellipse: s-maj=50.1km s-min=24.0km az=161.0.

ISC	**IX**	**12 11 01 00.2–.65**	**55.6S–.10**	**125.3W–.10**	**10**	**4.4b,4.0s**	**30**	**31-148**
IDC	IX	12 11 00 59.0–.89	55.55S	125.20W	0	4.3,4.2		**¶601740106**
ISCJB	IX	12 11 00 59.0–.51	55.65S–.10	125.2W–.20	10	4.5b,4.0s		
NEIC	IX	12 11 01 00.5–.46	55.62S	125.25W	10	4.5b,4.0s		
GCMT	IX	12 11 01 04.5–.30	55.74S–.02	124.82W–.03	25–1	5.0W,4.0s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c42; s76,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.20 $M_{\theta\theta}$3.71±.20; $M_{\phi\phi}$-2.63±.15; $M_{r\theta}$-1.56±.35; $M_{\theta\phi}$2.82±.11; $M_{\phi r}$-0.63±.32; Best double couple: NP1:ϕ_s203.00000°,δ80.00000°,λ169.00000°. NP2:ϕ_s295.00000°,δ79.00000°,λ10.00000°. Principal axes: T 5.2310,Plg15.0000° ,Azm159.0000°; N -1.5280,Plg75.0000°,Azm342.0000°; P -3.7030,Plg1.0000° ,Azm249.0000° M_o4.46700×10^{16}

ISC	**IX**	**13 23 43 06.6–1.1**	**24.5S–.20**	**116.1W–.20**	**12**	**4.3b,3.8s**	**16**	**7-153**
ISCJB	IX	13 23 43 05.0–.97	24.5S–.20	116.1W–.20	12	4.1b,3.7s		**¶601738692**
IDC	IX	13 23 43 05.1–1.8	24.41S	116.07W	0	4.3,4.1b		
NEIC	IX	13 23 43 06.2–.69	24.53S	116.11W	10	4.3b,4.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=17.9km az=40.7.
IDC Error ellipse: s-maj=59.5km s-min=25.9km az=43.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=13.9km az=211.0.

ISC	**XI**	**06 03 15 42.3–.55**	**53.4S–.20**	**118.2W–.10**	**10**	**4.1s,3.9b**	**34**	**43-166**
IDC	XI	06 03 15 41.0–.74	53.42S	118.02W	0	4.1,4.0		**¶601877564**
ISCJB	XI	06 03 15 41.1–.45	53.37S–.09	118.1W–.20	10	4.2b,4.1s		
NEIC	XI	06 03 15 42.2–.28	53.45S	118.04W	10	4.7b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=23.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=13.5km az=17.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.1km az=148.0.

GCMT	**XI**	**07 13 05 22.0–.40**	**24.32S–.03**	**115.59W–.02**	**26–1**	**4.9W**	
							¶606347888

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s62,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13±.14 $M_{\theta\theta}$-1.75±.12; $M_{\phi\phi}$1.88±.12; $M_{r\theta}$-1.19±.25; $M_{\theta\phi}$1.55±.09; $M_{\phi r}$0.49±.23; Best double couple: NP1:ϕ_s158.00000°,δ74.00000°,λ-161.00000°. NP2:ϕ_s62.00000°,δ72.00000°,λ-17.00000°. Principal axes:
T 2.4530,Plg1.0000°,Azm290.0000°; N 0.4600,Plg65.0000°,Azm197.0000°
; P -2.9170,Plg25.0000°,Azm21.0000° M_o2.68500×10^{16}

ISC	**XI**	**15 23 42 03.4–.63**	**35.30S–.08**	**106.2W–.10**	**15**	**4.2b,3.7s**	**42**	**9-155**
ISCJB	XI	15 23 42 02.0–.58	35.33S–.07	106.1W–.10	15	4.3b,3.7s		**¶601992105**
IDC	XI	15 23 42 01.0–.69	35.29S	106.25W	0	4.4,4.3b		
NEIC	XI	15 23 42 02.6–.44	35.35S	106.11W	10	4.1b,4.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=9.3km az=163.7.
IDC Error ellipse: s-maj=20.2km s-min=18.9km az=59.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.7km az=68.0.

ISC	**XI**	**18 10 44 05.3–.72**	**34.8S–.20**	**108.4W–.10**	**10**	**4.2b,4.1s**	**25**	**8-151**
IDC	XI	18 10 44 03.0–.85	34.67S	108.45W	0	4.2,4.1		**¶601992697**
ISCJB	XI	18 10 44 03.7–.66	34.8S–.10	108.3W–.10	10	4.2b,4.1s		
NEIC	XI	18 10 44 05.3–.44	34.79S	108.40W	10	4.5b,4.1s		
GCMT	XI	18 10 44 07.3–.30	34.91S–.02	108.65W–.02	13–1	4.9W,4.1s		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s83,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.10 $M_{\theta\theta}$-0.43±.09; $M_{\phi\phi}$0.95±.09; $M_{r\theta}$-1.06±.28; $M_{\theta\phi}$-2.13±.08; $M_{\phi r}$-0.79±.24; Best double couple: NP1:ϕ_s5.00000°,δ69.00000°,λ-23.00000°. NP2:ϕ_s103.00000°,δ69.00000°,λ-158.00000°. Principal axes: T 2.5020,Plg0.0000° ,Azm54.0000°; N 0.2550,Plg59.0000°,Azm145.0000°; P -2.7570,Plg31.0000°,Azm324.0000° M_o2.63000×10^{16}

GCMT	**XII**	**03 05 20 59.0–.30**	**55.81S–.02**	**123.86W–.03**	**24–1**	**5.0W**	
							¶602923957

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s84,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.18 $M_{\theta\theta}$2.45±.17; $M_{\phi\phi}$-1.95±.15; $M_{r\theta}$-0.44±.18; $M_{\theta\phi}$2.44±.10; $M_{\phi r}$-0.18±.19; Best double couple: NP1:ϕ_s291.00000°,δ86.00000°,λ5.00000°. NP2:ϕ_s201.00000°,δ85.00000°,λ175.00000°. Principal axes:
T 3.5910,Plg7.0000°,Azm156.0000°; N -0.5550,Plg83.0000°,Azm334.0000°
; P -3.0350,Plg0.0000°,Azm66.0000° M_o3.31300×10^{16}

ISC	**XII**	**12 20 24 22.7–.64**	**49.4S–.10**	**116.4W–.10**	**10**	**4.5s,4.3b**	**36**	**23-167**
ISCJB	XII	12 20 24 21.0–.65	49.6S–.10	116.1W–.20	10	4.5s,4.3b		**¶602052173**
IDC	XII	12 20 24 20.9–.79	49.48S	116.22W	0	4.4s,4.4		
NEIC	XII	12 20 24 22.5–.47	49.57S	116.15W	10	4.6b,4.4		
GCMT	XII	12 20 24 24.5–.20	49.60S–.01	116.16W–.02	12–1	5.1W,4.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c87; s109,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.13 $M_{\theta\theta}$2.59±.14; $M_{\phi\phi}$-2.02±.13; $M_{r\theta}$0.43±.32; $M_{\theta\phi}$4.95±.13; $M_{\phi r}$2.35±.45; Best double couple: NP1:ϕ_s193.00000°,δ87.00000°,λ-156.00000°. NP2:ϕ_s102.00000°,δ66.00000°,λ-4.00000°. Principal axes: T 6.1560,Plg14.0000° ,Azm325.0000°; N -0.3680,Plg66.0000°,Azm201.0000°; P -5.7880,Plg19.0000° ,Azm60.0000° M_o5.97200×10^{16}

ISC	**XII**	**19 08 03 57.4–.67**	**34.5S–.10**	**109.3W–.10**	**12–3**	**4.7b,4.0s**	**112**	**7-165**
ISCJB	XII	19 08 03 53.9–.35	34.48S–.06	109.3W–.10	1	4.6b,4.0s		**¶602051550**
IDC	XII	19 08 03 55.5–.57	34.35S	109.40W	0	4.5,4.2		
NEIC	XII	19 08 03 57.0–.28	34.48S	109.29W	10	4.7b,4.2		
GCMT	XII	19 08 03 58.0–.40	34.62S–.05	109.07W–.03	20–1	4.9W,4.2		

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

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c30; s60,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.93±.21 $M_{\theta\theta}$-0.24±.13; $M_{\phi\phi}$2.18±.14; $M_{r\theta}$1.29±.30; $M_{\theta\phi}$-0.28±.09; $M_{\phi r}$-0.69±.21; Best double couple: NP1:ϕ_s328.00000°,δ62.00000° ,λ-118.00000°. NP2:ϕ_s196.00000°,δ39.00000°,λ-49.00000°. Principal axes: T 2.3940,Plg12.0000°,Azm78.0000°; N 0.2890,Plg25.0000°,Azm342.0000° ; P -2.6760,Plg62.0000°,Azm192.0000° $M_0$2.53500×10^{16}

ISC	**XII**	**19 20 14 28.8–.46**	**34.5S–.10**	**109.4W–.10**	**10**	**4.8b,4.3s**	**78**	**25-165**
ISCJB	XII	19 20 14 27.6–.42	34.50S–.07	109.2W–.20	10	4.6b,4.2s		**¶602052564**
IDC	XII	19 20 14 27.7–.55	34.39S	109.29W	0	4.5,4.3		
GCMT	XII	19 20 14 28.9–.30	34.56S–.04	109.12W–.02	14–1	4.9W,4.3		
NEIC	XII	19 20 14 28.9–.33	34.54S	109.16W	10	4.8b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=9.2km az=165.0.
IDC Error ellipse: s-maj=22.9km s-min=18.6km az=96.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c18; s65,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.22 $M_{\theta\theta}$-0.61±.14; $M_{\phi\phi}$2.67±.15; $M_{r\theta}$0.70±.43; $M_{\theta\phi}$-0.41±.11; $M_{\phi r}$-1.64±.33; Best double couple: NP1:ϕ_s341.00000°,δ64.00000° ,λ-103.00000°. NP2:ϕ_s189.00000°,δ29.00000°,λ-65.00000°. Principal axes: T 3.2770,Plg18.0000°,Azm81.0000°; N -0.5600,Plg12.0000°,Azm347.0000° ; P -2.7190,Plg68.0000°,Azm226.0000° $M_0$2.99800×10^{16}

NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.8km az=86.0.

ISC	**XII**	**19 22 11 36.2–.73**	**35.9S–.20**	**107.2W–.10**	**10**	**4.6b,4.5s**	**104**	**27-167**
IDC	XII	19 22 11 35.8–.58	35.01S	107.21W	0	4.4s,4.4		**¶602052567**
ISCJB	XII	19 22 11 38.4–.41	35.33S–.07	106.7W–.10	10	4.5s,4.4b		
GCMT	XII	19 22 11 41.8–.20	35.12S–.01	107.06W–.01	13–1	5.2W,4.4b		
NEIC	XII	19 22 11 43.8–1.6	35.00S	106.15W	10	4.6b,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=17.7km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.2km az=161.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c85; s109,c159;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.15 $M_{\theta\theta}$-2.10±.14; $M_{\phi\phi}$2.28±.14; $M_{r\theta}$1.38±.36; $M_{\theta\phi}$-6.52±.16; $M_{\phi r}$-2.06±.39; Best double couple: NP1:ϕ_s191.00000°,δ78.00000°,λ13.00000°. NP2:ϕ_s98.00000°,δ77.00000°,λ168.00000°. Principal axes: T 7.7430,Plg17.0000° ,Azm54.0000°; N -0.9570,Plg73.0000°,Azm232.0000°; P -6.7890,Plg1.0000°,Azm324.0000° $M_0$7.26600×10^{16}

NEIC Event type se. Error ellipse: s-maj=44.6km s-min=14.7km az=27.0.

ISC	**XII**	**26 23 49 28.7–.52**	**35.2S–.10**	**105.2W–.10**	**10**	**4.4s,4.3b**	**63**	**9-160**
ISCJB	XII	26 23 49 27.0–.55	35.42S–.10	105.2W–.10	10	4.3s,4.2b		**¶602092431**
IDC	XII	26 23 49 26.6–.68	35.36S	105.33W	0	4.4s,4.4		
NEIC	XII	26 23 49 28.5–.39	35.40S	105.32W	10	4.4b,4.4		
GCMT	XII	26 23 49 32.5–.20	35.45S–.01	105.25W–.02	18–1	5.1W,4.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c61; s102,c153;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.17 $M_{\theta\theta}$-0.83±.14; $M_{\phi\phi}$1.31±.15; $M_{r\theta}$1.57±.35; $M_{\theta\phi}$-5.05±.14; $M_{\phi r}$-2.63±.42; Best double couple: NP1:ϕ_s187.00000°,δ79.00000°,λ22.00000°. NP2:ϕ_s93.00000°,δ69.00000°,λ168.00000°. Principal axes: T 6.6870,Plg23.0000° ,Azm52.0000°; N -1.7090,Plg66.0000°,Azm213.0000°; P -4.9760,Plg7.0000°,Azm319.0000° $M_0$5.83200×10^{16}

IDC	**XII**	**28 02 55 16.6–2.4**	**23.30S**	**115.39W**	**0**	**4.1,3.6**		
								¶602380758

IDC Error ellipse: s-maj=147.1km s-min=69.2km az=83.0.

ISC	**XII**	**28 05 13 54.3–.61**	**55.8S–.10**	**122.3W–.10**	**10**	**4.7s,4.3b**	**42**	**29-157**
ISCJB	XII	28 05 13 52.0–.78	55.8S–.10	122.1W–.20	10	4.6s,4.2b		**¶602064894**
IDC	XII	28 05 13 52.2–.76	55.66S	122.59W	0	4.6s,4.5		
NEIC	XII	28 05 13 54.4–.54	55.61S	122.38W	10	4.5b,4.5		
GCMT	XII	28 05 13 58.4–.20	56.17S–.01	122.18W–.02	12	5.1W,4.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c95; s109,c176;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.70±.11 $M_{\theta\theta}$2.83±.12; $M_{\phi\phi}$-2.14±.11; $M_{r\theta}$-0.82±.29; $M_{\theta\phi}$5.44±.09; $M_{\phi r}$-0.61±.27; Best double couple: NP1:ϕ_s192.00000°,δ85.00000°,λ174.00000°. NP2:ϕ_s283.00000°,δ84.00000°,λ5.00000°. Principal axes: T 6.4690,Plg8.0000° ,Azm147.0000°; N -0.8390,Plg82.0000°,Azm333.0000°; P -5.6370,Plg1.0000° ,Azm237.0000° $M_0$6.05300×10^{16}

(685) Easter Island region.

ISC	**VIII**	**10 19 06 24.3–.60**	**26.9S–.10**	**112.9W–.10**	**10**	**4.8b**	**78**	**37-154**
IDC	VIII	10 19 06 22.9–1.1	26.86S	113.17W	0	4.6,4.2		**¶601542024**
ISCJB	VIII	10 19 06 23.3–.68	26.9S–.10	112.6W–.10	10	4.8b,4.2		
NEIC	VIII	10 19 06 23.9–.90	27.18S	112.69W	12–5	4.8b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=23.9km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=11.4km az=144.2.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.1km az=219.0.

GCMT	**IX**	**03 13 17 27.0–.60**	**30.14S–.03**	**111.96W–.03**	**21–2**	**4.9W**		
								¶601676543

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c28; s68,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.17 $M_{\theta\theta}$-1.60±.17; $M_{\phi\phi}$1.23±.15; $M_{r\theta}$0.56±.23; $M_{\theta\phi}$1.84±.11; $M_{\phi r}$1.50±.30; Best double couple: NP1:ϕ_s337.00000°,δ72.00000° ,λ155.00000°. NP2:ϕ_s76.00000°,δ66.00000°,λ20.00000°. Principal axes: T 3.0760,Plg31.0000°,Azm295.0000°; N -0.5600,Plg59.0000°,Azm124.0000° ; P -2.5170,Plg4.0000°,Azm28.0000° $M_0$2.79700×10^{16}

ISC	**X**	**14 12 20 14.3–.55**	**23.8S–.10**	**114.7W–.10**	**10**	**4.4b,4.2s**	**42**	**6-153**
GCMT	X	14 12 20 08.0–.60	23.68S–.03	115.23W–.02	26–1	4.9W,4.2s		**¶601834056**
IDC	X	14 12 20 10.1–.86	23.42S	115.09W	0	4.1s,4.1		
ISCJB	X	14 12 20 12.5–.46	23.91S–.08	114.7W–.10	10	4.2b,4.1s		
NEIC	X	14 12 20 15.0–.47	23.86S	114.72W	10	4.5b,4.1s		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s73,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.20 $M_{\theta\theta}$-1.92±.15; $M_{\phi\phi}$2.46±.16; $M_{r\theta}$0.86±.33; $M_{\theta\phi}$2.20±.12; $M_{\phi r}$0.56±.31; Best double couple: NP1:ϕ_s247.00000°,δ88.00000°,λ-18.00000°. NP2:ϕ_s337.00000°,δ72.00000°,λ-178.00000°. Principal axes: T 3.5510,Plg12.0000° ,Azm294.0000°; N -0.5790,Plg72.0000°,Azm62.0000°; P -2.9780,Plg14.0000° ,Azm201.0000° $M_0$3.26400×10^{16}

IDC Error ellipse: s-maj=34.1km s-min=24.3km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=11.8km az=173.8.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.6km az=81.0.

ISC	**X**	**19 18 37 31.7–1.1**	**23.2S–.20**	**114.6W–.10**	**10**	**4.8b,3.9s**	**65**	**6-153**
IDC	X	19 18 37 30.4–1.3	23.07S	114.76W	0	4.2,3.9		**¶601846458**
ISCJB	X	19 18 37 32.0–1.1	22.8S–.20	114.45W–.10	10	4.8b,3.8s		
NEIC	X	19 18 37 32.4–.53	23.09S	114.47W	10	4.7b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=36.9km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=12.7km az=10.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.4km az=189.0.

ISC	**XII**	**01 13 04 01.5–.47**	**30.36S–.08**	**111.83W–.07**	**10**	**4.6b,4.5s**	**81**	**4-160**
IDC	XII	01 13 03 57.3–.69	29.91S	112.07W	0	4.4s,4.4		**¶601995628**
ISCJB	XII	01 13 04 01.0–.43	30.48S–.05	111.63W–.09	10	4.5s,4.4b		
GCMT	XII	01 13 04 03.2–.20	30.14S–.01	112.06W–.01	23–1	5.2W,4.4b		
BJI	XII	01 13 04 04.4	30.10S	111.20W	10	5.1,5.1b		
NEIC	XII	01 13 04 05.2–.39	30.17S	111.21W	10	4.6b,5.1b		

ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=19.3km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.8km az=159.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c83; s118,c177;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.15 $M_{\theta\theta}$-4.46±.15; $M_{\phi\phi}$4.82±.15; $M_{r\theta}$-0.18±.21; $M_{\theta\phi}$5.27±.13; $M_{\phi r}$0.91±.23; Best double couple: NP1:ϕ_s339.00000°,δ89.00000°,λ173.00000°. NP2:ϕ_s69.00000°,δ83.00000°,λ1.00000°. Principal axes: T 7.2760,Plg6.0000°,Azm294.0000° ; N -0.3830,Plg83.0000°,Azm154.0000°; P -6.8860,Plg5.0000°,Azm25.0000° $M_0$7.08100×10^{16}

NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.6km az=58.0.

ISC	**XII**	**08 23 05 59.5–1.4**	**26.9S–.30**	**112.7W–.20**	**10**	**3.8b,3.6s**	**13**	**3-154**
IDC	XII	08 23 05 54.8–1.3	27.41S	113.12W	0	4.1,3.8		**¶602037348**
ISCJB	XII	08 23 05 57.5–2.8	27.0S–.50	112.8W–.30	10	3.8b,3.7s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**XII**	**27 06 57 08.5–.47**	**29.80S–.09**	**111.9W–.10**	**10**	**4.7b,4.4s**	**95**	**4-160**
IDC	XII	27 06 57 07.1–.74	29.43S	111.85W	0	4.3s,4.3		**¶602059100**
NEIC	XII	27 06 57 07.7–.48	30.02S	111.88W	10	4.8b,4.3		
ISCJB	XII	27 06 57 09.0–.43	29.75S–.06	111.41W–.10	10	4.6b,4.3s		
GCMT	XII	27 06 57 10.0–.20	30.05S–.01	111.99W–.01	13–1	5.0W,4.3s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c41; s88,c138;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.13 $M_{\theta\theta}$-3.16±.10; $M_{\phi\phi}$3.78±.12; $M_{r\theta}$-0.63±.27; $M_{\theta\phi}$-1.41±.09; $M_{\phi r}$0.38±.24; Best double couple: NP1:ϕ_s124.00000°,δ87.00000°,λ-168.00000°. NP2:ϕ_s34.00000°,δ78.00000°,λ-3.00000°. Principal axes: T 4.1080,Plg6.0000° ,Azm259.0000°; N -0.5710,Plg78.0000°,Azm139.0000°; P -3.5380,Plg11.0000° ,Azm350.0000° $M_0$3.82300×10^{16}

ISC	**XII**	**28 22 17 11.2–.67**	**29.5S–.10**	**111.9W–.20**	**16**	**4.2s,3.7b**	**19**	**3-159**
IDC	XII	28 22 17 08.2–.67	29.50S	111.81W	0	4.1s,4.1		**¶602092441**
GCMT	XII	28 22 17 14.0–.40	29.96S–.02	112.04W–.02	24–1	5.0W,4.1		

ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s23,c29; s71,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.22 $M_{\theta\theta}$-3.51±.17; $M_{\phi\phi}$4.01±.17; $M_{r\theta}$-0.60±.26; $M_{\theta\phi}$-1.23±.15; $M_{\phi r}$0.23±.23; Best double couple: NP1:ϕ_s126.00000°,δ86.00000° ,λ-170.00000°. NP2:ϕ_s36.00000°,δ80.00000°,λ-4.00000°. Principal axes: T 4.2290,Plg4.0000°,Azm261.0000°; N -0.4220,Plg80.0000°,Azm148.0000° ; P -3.8000,Plg10.0000°,Azm351.0000° $M_0$4.01400×10^{16}

(686) West Chile Rise.

IDC	**VII**	**22 08 58 13.8–3.3**	**36.21S**	**97.41W**	**0**	**4.1,3.9**		
								¶601664954

IDC Error ellipse: s-maj=92.3km s-min=30.6km az=29.0.

ISC	**VIII**	**02 17 47 36.8–.58**	**44.4S–.10**	**81.8W–.10**	**10**	**4.3b,3.7s**	**32**	**9-167**
ISCJB	VIII	02 17 47 35.8–.52	44.37S–.07	81.6W–.10	10	4.3b,3.7s		**¶601513191**
IDC	VIII	02 17 47 35.4–.64	44.36S	81.82W	0	4.3,4.2b		
NEIC	VIII	02 17 47 36.7–.38	44.39S	81.74W	10	4.5b,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=10.1km az=16.7.
IDC Error ellipse: s-maj=27.9km s-min=15.9km az=102.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.9km az=120.0.

ISC	**VIII**	**09 10 41 39.5–3.2**	**38.6S–.50**	**93.6W–.30**	**13**	**4.0b,4.0s**	**6**	**17-109**
IDC	VIII	09 10 41 37.5–3.6	38.55S	93.64W	0	4.2,4.0		**¶601605947**
ISCJB	VIII	09 10 41 38.0–2.4	38.6S–.40	93.6W–.30	13	4.0s,3.9b		
GCMT	VIII	09 10 41 44.0–.40	38.40S–.02	93.67W–.02	16–1	4.9W,3.9b		

ISC Event type ke.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s73,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41±.16 $M_{\theta\theta}$0.63±.14; $M_{\phi\phi}$-0.22±.13; $M_{r\theta}$-0.16±.36; $M_{\theta\phi}$-3.06±.10; $M_{\phi r}$0.50±.39; Best double couple: NP1:ϕ_s356.00000°,δ90.00000° ,λ9.00000°. NP2:ϕ_s266.00000°,δ81.00000°,λ180.00000°. Principal axes: T 3.3480,Plg7.0000°,Azm221.0000°; N -0.4310,Plg81.0000°,Azm358.0000° ; P -2.9170,Plg6.0000°,Azm131.0000° $M_0$3.13200×10^{16}

ISC	**VIII**	**09 18 03 18.7–.78**	**42.6S–.10**	**83.6W–.10**	**10**	**4.2b,3.6s**	**14**	**10-153**
IDC	VIII	09 18 03 16.9–.79	42.59S	83.57W	0	4.2,4.0		**¶601734859**
ISCJB	VIII	09 18 03 17.2–.77	42.6S–.10	83.5W–.20	10	4.0b,3.6s		
NEIC	VIII	09 18 03 18.3–.58	42.57S	83.62W	10	4.4b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=20.2km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=15.2km az=37.7.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=13.3km az=134.0.

ISC	**VIII**	**10 11 09 24.9–.81**	**42.7S–.10**	**83.4W–.20**	**10**	**4.7b,4.0s**	**25**	**10-148**
IDC	VIII	10 11 09 20.9–2.1	43.31S	83.34W	0	4.5,4.3b		**¶601541969**
ISCJB	VIII	10 11 09 23.5–.58	42.67S–.09	83.4W–.20	10	4.6b,4.0s		
NEIC	VIII	10 11 09 24.6–.74	42.83S	83.44W	10	4.8b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=65.5km s-min=29.4km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=12.3km az=2.6.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=15.6km az=138.0.

ISC	**VIII**	**10 11 40 03.6–.28**	**42.61S–.06**	**83.51W–.06**	**10**	**5.2b,4.3s**	**679**	**10-176**
IDC	VIII	10 11 40 01.3–.47	42.74S	83.40W	0	4.9,4.8b		**¶601534343**
ISCJB	VIII	10 11 40 02.0–.23	42.65S–.04	83.36W–.04	10	5.1b,4.4s		
MOS	VIII	10 11 40 02.6–.93	42.70S	83.36W	10	5.4b,4.4s		
NEIC	VIII	10 11 40 03.4–.17	42.81S	83.24W	10	5.2b,4.4s		
BJI	VIII	10 11 40 05.1	42.80S	83.20W	20	5.3s,5.2b		
GCMT	VIII	10 11 40 07.4–.40	42.67S–.02	83.41W–.03	18–1	5.0W,5.2b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c41; s71,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44±.20 $M_{\theta\theta}$-0.61±.14; $M_{\phi\phi}$2.05±.15; $M_{r\theta}$1.16±.35; $M_{\theta\phi}$3.04±.12; $M_{\phi r}$2.65±.45; Best double couple: NP1:ϕ_s182.00000°,δ78.00000°,λ-130.00000°. NP2:ϕ_s79.00000°,δ41.00000°,λ-18.00000°. Principal axes: T 5.2580,Plg23.0000° ,Azm302.0000°; N -2.1880,Plg39.0000°,Azm192.0000°; P -3.0720,Plg42.0000° ,Azm55.0000° $M_0$4.16500×10^{16}

ISC	**X**	**02 15 04 51.6–.85**	**40.3S–.10**	**85.6W–.10**	**10**	**4.1b,3.9s**	**24**	**11-96**
GCMT	X	02 15 04 43.4–.30	41.46S–.02	86.48W–.02	21–1	5.0W,3.9s		**¶601829108**
ISCJB	X	02 15 04 50.1–.58	40.39S–.09	85.51W–.09	10	4.2b,4.0s		
NEIC	X	02 15 04 51.4–.50	40.40S	85.61W	10	4.4b,4.0s		
IDC	X	02 15 04 51.0–3.3	40.21S	85.60W	0	4.2,4.0		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c33; s89,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40±.14 $M_{\theta\theta}$0.99±.14; $M_{\phi\phi}$-0.58±.12; $M_{r\theta}$-0.55±.21; $M_{\theta\phi}$-3.18±.10; $M_{\phi r}$0.48±.21; Best double couple: NP1:ϕ_s354.00000°,δ83.00000°,λ8.00000°. NP2:ϕ_s263.00000°,δ82.00000°,λ173.00000°. Principal axes: T 3.6080,Plg10.0000° ,Azm218.0000°; N -0.5330,Plg80.0000°,Azm33.0000°; P -3.0740,Plg1.0000°,Azm128.0000° $M_0$3.34100×10^{16}

ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.9km az=22.3.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.0km az=209.0.
IDC Error ellipse: s-maj=85.9km s-min=29.6km az=9.0.

IDC	**X**	**03 08 01 22.9–11**	**43.00S**	**82.65W**	**0**	**3.9,3.6**		
								¶601996906

IDC Error ellipse: s-maj=369.8km s-min=45.8km az=9.0.

ISC	**X**	**06 00 58 10.8–1.1**	**42.8S–.10**	**83.1W–.10**	**10**	**4.2b,3.9s**	**22**	**9-169**
ISCJB	X	06 00 58 09.2–.94	42.9S–.10	82.9W–.10	10	4.3b,3.7s		**¶601834608**
IDC	X	06 00 58 09.1–1.6	42.83S	83.16W	0	4.2,3.9L		
NEIC	X	06 00 58 11.0–.82	42.79S	83.05W	10	4.3b,3.9L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=4.9.
IDC Error ellipse: s-maj=43.7km s-min=32.2km az=25.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.1km az=210.0.

ISC	**X**	**31 20 56 38.8–.54**	**41.3S–.10**	**88.70W–.10**	**10**	**4.5s,4.3b**	**27**	**19-167**
ISCJB	X	31 20 56 37.0–.47	41.36S–.08	88.7W–.10	10	4.6s,4.4b		**¶601891378**
IDC	X	31 20 56 37.7–.66	41.38S	88.52W	0	4.5s,4.5		
NEIC	X	31 20 56 39.1–.40	41.35S	88.51W	10	4.8b,4.5		
GCMT	X	31 20 56 40.1–.10	41.42S–.01	88.80W–.01	14–0	5.3W,4.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c144; s118,c216;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$0.29±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$0.00±.04; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$-0.02±.04; Best double couple: NP1:ϕ_s356.00000°,δ90.00000°,λ-1.00000°. NP2:ϕ_s86.00000°,δ89.00000°,λ-180.00000°. Principal axes: T 1.3930,Plg1.0000° ,Azm41.0000°; N -0.2210,Plg89.0000°,Azm159.0000°; P -1.1720,Plg1.0000°,Azm311.0000°

$M_0$1.28200×10^{17}

IDC XI 17 18 16 22.9–4.6 36.66S 94.31W 0 4.3,3.8 ¶602389575

IDC Error ellipse: s-maj=236.3km s-min=64.2km az=51.0.

ISC XI 17 18 38 48.4–.84 36.9S–.20 95.0W–.10 10 4.7b 37 19-172

ISCJB XI 17 18 38 46.3–.70 36.9S–.10 95.04W–.10 10 4.5b **¶602056839**

IDC XI 17 18 38 46.2–1.2 36.89S 95.13W 0 4.2,4.1b

NEIC XI 17 18 38 48.3–.51 36.80S 95.02W 10 4.7b,4.1b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=10.1km az=15.5.

IDC Error ellipse: s-maj=34.6km s-min=21.5km az=6.0.

NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.0km az=196.0.

(688) East of North Island.

ISC VII 09 18 19 01.4–1.0 35.47S–.07 179.1W–.10 47 4.2b,3.5s 111 3-154

ISCJB VII 09 18 18 59.3–.81 35.52S–.05 179.0W–.10 47 4.1b,3.5s **¶601266114**

IDC VII 09 18 19 00.3–1.4 35.20S 179.80W 0 4.5L,4.4

NEIC VII 09 18 19 05.9–1.4 35.47S 179.96W 35 4.2b,4.4

WEL VII 09 18 19 05.0 35.47S 179.96W 35 4.8L,4.4

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=5.2km az=21.5.

IDC Error ellipse: s-maj=38.6km s-min=32.3km az=149.0.

NEIC Event type se. Error ellipse: s-maj=34.0km s-min=21.7km az=111.0.

WEL manual. confirmed.

ISC VII 12 07 05 37.4–1.5 36.46S–.07 179.58W–.08 62–11 4.8b 205 2-159

IDC VII 12 07 05 28.7–.61 36.05S 179.57W 0 4.6,4.5 **¶601505979**

WEL VII 12 07 05 31.2–.93 36S–7.0 179W–10 33 5.0L,4.5

NEIC VII 12 07 05 34.2–1.8 36.12S 179.60W 37–14 4.7b,4.5

BJI VII 12 07 05 35.4 36.49S 178.98W 69 5.5b,5.2b

ISCJB VII 12 07 05 36.6–.90 36.54S–.05 179.70W–.08 73–6 4.6b,5.2b

ISC Event type se.

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

NEIC Event type se.

ISCJB Event type se.

ISC VII 14 07 53 07.2–1.9 36.33S–.10 178.9W–.10 10 51 3-150

IDC VII 14 07 53 05.9–3.7 36.12S 178.89W 0 4.1,3.9 **¶601664558**

WEL VII 14 07 53 10.5–.97 36S–11 179W–10 33 4.4L,3.9

ISC Event type ke.

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

WEL VII 17 23 53 10.9–1.1 36S–21 179W–14 33 4.5L ¶605671217

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

WEL VII 20 10 51 20.3–1.1 38S–9.0 180W–7.0 33 3.9L ¶605671247

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

ISC VII 20 10 51 28.6–1.6 35.10S–.09 179.1W–.20 42 4.5b,3.6s 32 3-154

IDC VII 20 10 51 23.1–2.2 35.15S 179.23W 0 4.6,4.5b **¶601664867**

ISCJB VII 20 10 51 27.0–1.3 35.06S–.07 179.2W–.20 42 4.4b,3.6s

WEL VII 20 10 51 28.9–1.3 35S–9.0 179W–15 33 4.6L,3.6s

ISC Event type ke.

ISCJB Event type ke.

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

WEL VII 21 08 29 24.6 38S–9.0 180W–6.0 33 4.2L ¶605671264

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 21 10 51 45.4 38S–9.0 180W–6.0 33 3.6L ¶605671267

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 21 11 54 24.0–1.9 35.19S–.10 179.0W–.20 43 42 4-149

IDC VII 21 11 54 19.9–3.0 35.02S 179.37W 0 4.2,4.0 **¶601664918**

ISCJB VII 21 11 54 21.2–1.1 35.17S–.08 179.0W–.20 43 3.8b,3.2s

WEL VII 21 11 54 22.6–1.0 35S–9.0 179W–12 5 4.4L,3.2s

ISC Event type ke.

ISCJB Event type ke.

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

WEL VII 21 12 39 19.1 38S–14 180W–9.0 33 3.9L ¶605671268

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 21 16 18 12.5 38S–9.0 180W–6.0 33 4.4L ¶605671270

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 21 18 18 07.1 38S–12 180W–6.0 33 3.5L ¶605671272

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 21 21 36 49.3 38S–9.0 180W–6.0 33 3.6L ¶605671273

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 22 02 40 24.2 38S–11 180W–7.0 33 3.7L ¶605671276

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 22 14 23 22.8 38S–9.0 180W–6.0 33 3.6L ¶605671284

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 22 14 34 28.5–3.5 37.90S–.07 179.72W–.08 9–21 4.2b 112 1-156

WEL VII 22 14 34 30.8 38S–7.0 180W–5.0 33 4.4L **¶601664977**

IDC VII 22 14 34 30.5–.95 37.17S 179.76E 0 4.3,4.2

ISC Event type ke.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

IDC Error ellipse: s-maj=28.9km s-min=24.5km az=177.0.

ISC VII 22 15 03 01.1–2.2 37.68S–.07 179.70W–.08 7–12 4.0b 107 2-151

WEL VII 22 15 03 04.0 38S–8.0 180W–6.0 33 4.3L **¶601459503**

IDC VII 22 15 03 03.4–2.4 37.64S 179.95E 0 4.3,4.1

NEIC VII 22 15 03 04.8–.00 37.58S 179.67W 40 4.2L,3.9b

ISC Event type se.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

IDC Error ellipse: s-maj=74.1km s-min=28.7km az=150.0.

NEIC Event type se. After WEL.

WEL VII 22 15 17 17.5 38S–9.0 180W–6.0 33 3.6L ¶605671286

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 22 15 34 04.9 38S–6.0 180W–7.0 72–23 3.7L ¶605671288

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 22 18 44 56.3 38S–10 180W–6.0 33 3.8L ¶605671294

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 23 01 14 53.0–3.5 37.72S–.07 179.8W–.10 12–22 101 1-145

IDC VII 23 01 14 52.9–3.9 37.29S 179.89E 0 4.2,4.0 **¶601459516**

WEL VII 23 01 14 53.9 38S–9.0 180W–6.0 33 4.3L,4.0

NEIC VII 23 01 14 54.5–.00 37.61S 179.70W 34 4.2L,4.0

ISC Event type se.

IDC Error ellipse: s-maj=109.9km s-min=38.0km az=147.0.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

NEIC Event type se. After WEL.

WEL VII 24 22 17 00.7 38S–7.0 180W–6.0 33 3.8L ¶605671320

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 24 23 47 57.4 38S–9.0 180W–6.0 33 3.5L ¶605671323

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 25 04 48 23.2 38S–16 180W–10 33 3.6L ¶605671325

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 25 17 36 05.8 38S–8.0 180W–6.0 33 3.6L ¶605671337

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 25 19 38 14.2–3.0 37.69S–.08 179.90W–.08 2–17 60 1-151

WEL VII 25 19 38 15.6 38S–8.0 180W–5.0 33 4.2L **¶601666436**

IDC VII 25 19 38 16.9–2.4 37.04S 179.58E 0 4.3,4.1b

ISC Event type ke.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

IDC Error ellipse: s-maj=78.5km s-min=28.7km az=144.0.

ISC VII 25 22 02 48.4–3.6 37.93S–.05 179.77W–.08 12–21 4.2b,3.5s 135 1-155

IDC VII 25 22 02 47.9–1.4 37.77S 179.97E 0 4.4,4.3 **¶601472672**

NEIC VII 25 22 02 48.6–.00 37.59S 179.83W 12 4.4L,4.3

WEL VII 25 22 02 48.0 38S–9.0 180W–6.0 33 4.6L,4.3

ISC Event type se.

NEIC Event type se. After WEL.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 25 22 06 31.2–2.6 37.82S–.09 179.98W–.10 6–12 31 1-151

WEL VII 25 22 06 32.0 38S–9.0 180W–6.0 33 4.0L **¶601666444**

IDC VII 25 22 06 33.4–3.6 37.02S 179.55E 0 4.2,4.0b

ISC Event type ke.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

IDC Error ellipse: s-maj=92.6km s-min=34.3km az=138.0.

ISC VII 26 00 03 03.0–1.4 37.98S–.05 179.92W–.05 20–5 4.3b,3.4s 146 1-165

WEL VII 26 00 03 01.6 38S–7.0 180W–6.0 33 4.6L,3.4s **¶601472674**

NEIC VII 26 00 03 02.6–.00 37.57S 179.73W 27 4.4L,3.4s

IDC VII 26 00 03 02.2–.98 37.34S 179.89E 0 4.5,4.3

ISC Event type se.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

NEIC Event type se. After WEL.

IDC Error ellipse: s-maj=34.3km s-min=29.6km az=176.0.

WEL VII 26 00 55 56.8 38S–7.0 180W–6.0 33 3.7L ¶605671350

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 26 02 07 23.0 38S–8.0 180W–6.0 33 3.8L ¶605671353

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 26 10 46 05.7 38S–9.0 180W–6.0 33 3.9L ¶605671370

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 26 13 05 19.0–3.8 37.80S–.07 179.6W–.10 17–23 110 2-145

IDC VII 26 13 05 16.1–2.6 37.95S 179.47W 0 4.1,3.9 **¶601666477**

WEL VII 26 13 05 21.3 38S–9.0 180W–6.0 33 4.3L,3.9

ISC Event type ke.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 26 18 28 42.2–1.1 37.99S–.07 179.81W–.08 27 87 1-152

IDC VII 26 18 28 39.7–1.5 37.75S 179.99W 0 4.3b,4.3 **¶601479297**

NEIC VII 26 18 28 41.6–.00 37.53S 179.69W 45 4.4L,4.3

WEL VII 26 18 29 36.1 41S–38 176E–11 39–11 4.4L,4.3

ISC Event type se.

NEIC Event type se. After WEL.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. automatic. confirmed.

ISC VII 27 00 11 52.3–.83 37.88S–.08 179.75W–.09 31 4.6b,3.4s 109 1-151

ISCJB VII 27 00 11 48.4–.85 38.00S–.05 179.53W–.09 31 4.7b,3.3s **¶601479298**

IDC VII 27 00 11 50.7–2.5 37.47S 179.79E 0 4.5,4.4b

NEIC VII 27 00 11 51.0–.00 37.61S 179.72W 32 4.7b,4.3L

WEL VII 27 00 12 42.6–.41 40S–5.0 177E–7.0 35–5 4.7b,4.3L

ISC Event type se.

ISCJB Event type se.

NEIC Event type se. After WEL.

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. automatic. confirmed.

ISC VII 27 01 29 42.6–1.5 37.9S–.20 179.92W–.09 10 10 1-151

IDC VII 27 01 29 42.9–3.3 37.44S 179.90E 0 4.7,4.5b **¶601479300**

NEIC VII 27 01 29 44.0–.00 37.61S 179.70W 33 4.4L,4.5b

ISC Event type se.

IDC Error ellipse: s-maj=122.9km s-min=28.8km az=154.0.

NEIC Event type se. After WEL.

ISC VII 27 01 40 05.9–1.3 37.81S–.10 179.96W–.08 30 54 1-151

ISCJB VII 27 01 40 02.9–1.4 37.89S–.09 179.75W–.10 30 3.9b **¶601479301**

NEIC VII 27 01 40 03.9–.00 37.60S 179.75W 33 4.2L

IDC VII 27 01 40 04.0–2.9 37.05S 179.63E 0 4.3,4.1b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.0km az=39.7.

NEIC Event type se. After WEL.

IDC Error ellipse: s-maj=84.6km s-min=32.2km az=144.0.

WEL VII 27 03 57 57.4 38S–7.0 180W–6.0 33 4.3L ¶605671386

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 27 05 25 10.3 38S–8.0 180W–5.0 33 4.2L

NEIC VII 27 05 25 10.7–.00 37.75S 179.97W 12 4.0L **¶601484399**

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

NEIC Event type se. After WEL.

ISC VII 27 05 34 56.3–1.9 38.08S–.04 179.87W–.06 2–10 4.4b 198 1-146

WEL VII 27 05 34 59.0 38S–9.0 180W–6.0 33 4.4L **¶601484400**

NEIC VII 27 05 35 00.4–.00 37.62S 179.80W 33 4.4b,4.3L

IDC VII 27 05 35 00.8–4.0 37.06S 179.53E 0 4.5,4.3b

ISC Event type se.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

NEIC Event type se. After WEL.

IDC Error ellipse: s-maj=93.4km s-min=37.1km az=135.0.

ISC VII 27 09 38 26.2–1.7 37.84S–.07 179.67W–.10 31 86 2-151

WEL VII 27 09 38 23.6 38S–11 179W–8.0 33 4.2L **¶601666513**

IDC VII 27 09 38 30.7–3.1 36.93S 179.34E 0 4.3,4.1

ISC Event type ke.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

IDC Error ellipse: s-maj=78.8km s-min=32.1km az=135.0.

WEL VII 27 10 24 28.9 38S–9.0 180W–6.0 33 3.5L ¶605671393

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 27 13 53 58.3 38S–11 180W–7.0 33 3.5L ¶605671396

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 27 15 56 32.2 38S–9.0 180W–6.0 33 3.5L ¶605671400

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 27 19 31 04.7–1.3 38S–10 180W–9.0 10 ¶605671403

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. automatic. confirmed.

WEL VII 27 21 46 38.0 38S–9.0 180W–6.0 33 3.6L ¶605671409

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 27 23 31 21.2 38S–7.0 180W–6.0 33 3.7L ¶605671412

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 28 01 45 07.7–3.3 37.7S–.10 179.8W–.10 6–16 3.6b 41 1-43

IDC VII 28 01 45 07.9–10 37.43S 179.98W 0 3.9,3.7 **¶601666552**

WEL VII 28 01 45 09.7 38S–9.0 180W–6.0 33 3.6L,3.7

ISC Event type ke.

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 28 01 59 47.1 38S–8.0 180W–6.0 33 3.6L ¶605671414

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 28 10 40 39.3 38S–8.0 180W–8.0 33 3.5L ¶605671419

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 28 16 19 52.7 38S–8.0 180W–6.0 33 3.8L ¶605671423

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 28 17 31 33.5 38S–8.0 180W–5.0 33 3.7L ¶605671425

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 28 18 16 33.4 38S–11 180W–8.0 33 3.2L ¶605671427

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

WEL VII 29 05 35 52.1 38S–7.0 180W–6.0 33 3.8L ¶605671435

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.

ISC VII 29 08 32 10.6–3.6 37.78S–.07 179.88W–.08 7–22 4.1b 105 1-151

IDC VII 29 08 32 10.6–2.3 37.69S 179.99E 0 4.3,4.2b **¶601484822**

NEIC VII 29 08 32 11.8–.00 37.64S 179.70W 50 4.2L,4.2b

WEL VII 29 08 32 11.6 38S–9.0 180W–6.0 33 4.3L,4.2b
ISC Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 29 08 37 33.6 38S–16 180W–11 33 3.6L
¶605671439

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 30 06 37 31.9 38S–14 180W–13 33 3.5L
¶605671450

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 30 10 16 33.8 38S–9.0 180W–7.0 33 3.8L
¶605671454

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 30 13 37 59.5 38S–12 180W–8.0 33 3.6L
¶605671460

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VII 31 05 23 54.3 38S–15 180W–10 33 3.5L
¶605671475

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VIII 01 09 24 39.7–.59 35.50S–.05 179.56W–.06 27–3 4.9b,4.8s 240 3-175
IDC VIII 01 09 24 35.3–.45 35.26S 179.70W 0 4.7,4.7s **¶601498297**
WEL VIII 01 09 24 37.7–.92 36S–8.0 179W–11 33 5.4L,4.7s
ISCJB VIII 01 09 24 38.2–1.2 35.44S–.03 179.69W–.05 21–8 4.9b,4.7s
GCMT VIII 01 09 24 40.2–.20 35.50S–.02 179.17W–.02 25–0 5.2W,4.7s
NEIC VIII 01 09 24 41.2–.28 35.66S 179.68W 39 5.1b,4.7s
BJI VIII 01 09 24 42.8 36.09S 179.80W 51 5.8b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=14.6km az=79.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=29.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c103; s99,c153;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.53±.02 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$-0.42±.01; $M_{r\theta}$0.18±.03; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.76±.04; Best double couple: NP1:ϕ_s16.00000°,δ73.00000°,λ83.00000°. NP2:ϕ_s217.00000°,δ18.00000°,λ110.00000°. Principal axes: T 0.9520,Plg61.0000° ,Azm276.0000°; N -0.0120,Plg6.0000°,Azm18.0000°; P -0.9400,Plg28.0000°,Azm111.0000° $M_0$0.94600×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.1km az=129.0.
ISC VIII 01 22 10 46.5–2.1 35.4S–.10 179.5W–.30 47 30 3-149
IDC VIII 01 22 10 41.1–3.1 35.21S 179.63W 0 4.0,3.8 **¶601765326**
ISCJB VIII 01 22 10 43.9–1.3 35.4S–.10 179.4W–.20 47 3.6b,3.8
WEL VIII 01 22 10 45.4–1.2 36S–25 179W–28 129–47 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 02 04 58 05.2–1.0 37.97S–.05 180.0W–.10 39–9 4.7b,3.8s 340 1-165
WEL VIII 02 04 58 00.6 38S–10 180W–6.0 33 5.1L,3.8s **¶601518008**
NEIC VIII 02 04 58 01.3–.00 37.61S 179.73W 49 5.0L,4.7b
ISCJB VIII 02 04 58 01.5–.64 38.02S–.03 179.77W–.05 44–5 4.6b,3.7s
GCMT VIII 02 04 58 03.3–.60 37.32S–.04 179.50W–.04 27–1 5.0W,3.7s
IDC VIII 02 04 58 11.1–3.9 37.45S 179.35E 70–31 4.6,4.3
BJI VIII 02 04 58 14.6 37.24S 178.83E 57 4.7b,4.3
ISC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=2.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c39; s66,c91;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79±.26 $M_{\theta\theta}$1.25±.18; $M_{\phi\phi}$1.54±.16; $M_{r\theta}$-0.37±.27; $M_{\theta\phi}$1.56±.11; $M_{\phi r}$-1.67±.25; Best double couple: NP1:ϕ_s28.00000°,δ60.00000°,λ-105.00000°. NP2:ϕ_s237.00000°,δ33.00000°,λ-65.00000°. Principal axes: T 3.3340,Plg14.0000° ,Azm129.0000°; N 0.0310,Plg13.0000°,Azm35.0000°; P -3.3650,Plg70.0000°,Azm264.0000° $M_0$3.34900×10^{16}
IDC Error ellipse: s-maj=29.5km s-min=17.2km az=56.0.
ISC VIII 02 05 38 07.7–.69 35.44S–.07 179.58W–.09 35 4.9b,3.9s 120 3-162
IDC VIII 02 05 38 01.9–.89 35.41S 179.44W 0 4.8,4.8b **¶601503303**
ISCJB VIII 02 05 38 03.3–.75 35.40S–.05 179.2W–.10 33 4.8b,3.8s
WEL VIII 02 05 38 06.3–1.1 35S–13 179W–19 33 4.8L,3.8s
NEIC VIII 02 05 38 17.6–.87 36.13S 179.89E 116–7 4.7b,3.8s
BJI VIII 02 05 38 18.7 36.27S 179.59E 115 4.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=22.0km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=4.6km az=20.7.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.3km az=107.0.
WEL VIII 02 08 52 41.6 38S–7.0 180W–6.0 33 3.9L
¶606597563

WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL VIII 02 10 00 05.4 38S–7.0 180W–7.0 33 4.0L
NEIC VIII 02 10 00 05.5–.00 37.57S 179.67W 33 4.1L **¶601518011**
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
ISC VIII 02 10 26 13.9–.50 35.66S–.05 179.50W–.06 40–3 5.2b,5.0s 443 3-175
IDC VIII 02 10 26 08.5–.41 35.43S 179.73W 0 4.9s,4.9 **¶604029636**
WEL VIII 02 10 26 10.7–.77 36S–9.0 179W–11 114–28 4.9s,4.9
ISCJB VIII 02 10 26 12.7–.20 35.58S–.02 179.72W–.04 33 5.1b,4.8s
MOS VIII 02 10 26 13.2–.91 35.47S 179.90W 33 5.3b,5.1s
BJI VIII 02 10 26 13.5 35.60S 179.80W 35 5.6b,5.4s
NEIC VIII 02 10 26 14.6–.93 35.56S 179.79W 41–8 5.2b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=13.0km az=13.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.2km az=31.8.
MOS Error ellipse: s-maj=13.2km s-min=11.2km az=43.1.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.2km az=217.0.
ISC VIII 02 10 41 38.3–.87 35.63S–.07 179.3W–.10 41 4.6b 93 3-154
ISCJB VIII 02 10 41 33.7–.87 35.60S–.05 179.1W–.10 41 4.5b **¶601713602**
IDC VIII 02 10 41 33.4–1.2 35.48S 179.59W 0 4.4,4.3
WEL VIII 02 10 41 34.8–.91 36S–7.0 179W–11 33 4.7L,4.3
NEIC VIII 02 10 41 38.6–1.5 35.54S 179.62W 36–12 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=4.8km az=20.0.
IDC Error ellipse: s-maj=29.6km s-min=23.5km az=118.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.6km az=61.0.
WEL VIII 02 10 41 45.6–1.2 35S–22 179W–28 33 4.8L
¶606597565

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 02 11 18 03.6–2.3 35.4S–.20 179.6W–.30 35 22 3-149
ISCJB VIII 02 11 18 01.4–1.5 35.4S–.10 179.6W–.30 35 3.9b **¶601765345**
WEL VIII 02 11 18 02.7–1.4 35S–27 180W–32 33 4.2L
IDC VIII 02 11 18 04.2–3.1 35.34S 179.55E 0 4.2,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.4km s-min=9.2km az=26.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=67.7km s-min=35.0km az=110.0.
ISC VIII 02 13 18 27.3–.79 35.64S–.08 179.39W–.10 41 4.4b,4.1s 95 3-160
IDC VIII 02 13 18 21.9–.91 35.35S 179.62W 0 4.6L,4.5 **¶601514486**
ISCJB VIII 02 13 18 23.8–.80 35.57S–.05 179.3W–.10 41 4.4b,4.1s
WEL VIII 02 13 18 26.3–1.0 36S–9.0 179W–12 33 4.9L,4.1s
NEIC VIII 02 13 18 27.2–.67 35.57S 179.72W 35 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=23.4km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.2km az=23.3.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.9km az=119.0.
ISC VIII 02 14 36 16.5–2.1 35.6S–.10 179.4W–.20 47 33 3-150
IDC VIII 02 14 36 11.7–3.0 35.31S 179.63W 0 4.3,4.1 **¶601765352**
WEL VIII 02 14 36 16.0–1.3 36S–16 180W–25 142–39 4.3,4.1
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

ISC VIII 02 14 53 53.0–2.5 37.74S–.09 179.92W–.09 1–12 3.9b 61 1-145
IDC VIII 02 14 53 55.9–4.2 37.02S 179.62E 0 4.2,4.0b **¶601765354**
WEL VIII 02 14 53 56.7–.83 38S–8.0 180W–5.0 33 4.0L,4.0b
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 02 15 36 36.4–1.9 35.7S–.10 179.2W–.20 46 44 3-150
IDC VIII 02 15 36 32.7–3.2 35.37S 179.69W 0 4.2,4.0 **¶601717626**
ISCJB VIII 02 15 36 34.2–1.2 35.61S–.08 179.3W–.20 46 3.8b,4.0
WEL VIII 02 15 36 35.8–1.2 36S–18 179W–18 141–47 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 02 20 27 54.2–.87 35.64S–.08 179.4W–.10 41 4.5b,3.7s 71 3-154
IDC VIII 02 20 27 47.8–1.6 35.55S 179.43W 0 4.6,4.5 **¶601534020**
ISCJB VIII 02 20 27 49.9–.79 35.65S–.06 179.2W–.10 41 4.5b,3.8s
WEL VIII 02 20 27 51.3–.89 36S–8.0 179W–11 33 4.8L,3.8s
NEIC VIII 02 20 27 53.6–.82 35.48S 179.55W 35 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=26.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=5.5km az=27.6.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=17.8km az=126.0.
ISC VIII 03 08 14 43.6–.98 37.93S–.05 179.82W–.06 16–5 4.3b 151 1-151
NEIC VIII 03 08 14 43.9–.00 37.56S 179.63W 33 4.5b,4.4L **¶601518133**
IDC VIII 03 08 14 43.1–1.3 37.27S 179.89E 0 4.3,4.2
WEL VIII 03 08 14 44.7–1.2 38S–10 180W–7.0 33 4.3L,4.2
ISC Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 03 11 46 40.7–.66 35.87S–.06 179.43W–.08 49 4.8b 140 2-157
ISCJB VIII 03 11 46 38.2–.61 35.74S–.04 179.36W–.08 49 4.7b **¶601520160**
WEL VIII 03 11 46 38.5–.00 36S–11 179W–12 33 4.8L
NEIC VIII 03 11 46 38.8–.53 35.79S 179.40W 35 4.5b
BJI VIII 03 11 46 39.5 35.75S 179.40W 36 5.0b
IDC VIII 03 11 46 40.5–4.4 35.70S 179.45W 48–36 4.6,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.6km az=23.2.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.2km az=118.0.
IDC Error ellipse: s-maj=33.2km s-min=26.0km az=67.0.
ISC VIII 03 13 37 46.7–1.2 35.64S–.09 179.4W–.10 41 4.3b 49 3-154
ISCJB VIII 03 13 37 44.3–.00 35.60S–.06 179.4W–.10 41 4.2b **¶601765400**
WEL VIII 03 13 37 46.4–1.3 36S–21 179W–18 138–56 4.2b
IDC VIII 03 13 37 48.1–6.8 35.64S 179.65W 44–59 4.3,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=6.4km az=23.3.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=48.5km s-min=45.1km az=170.0.
IDC VIII 03 13 41 23.9–4.0 35.16S 179.27W 0 4.1,4.1b
¶601518024
IDC Error ellipse: s-maj=92.4km s-min=41.5km az=126.0.
ISC VIII 03 13 42 20.3–1.6 35.91S–.07 179.73W–.08 89–12 4.7b 187 2-164
IDC VIII 03 13 42 09.3–.55 35.32S 179.66W 0 4.8,4.6 **¶601765401**
WEL VIII 03 13 42 11.9–.99 36S–12 179W–13 33 5.2L,4.6
ISCJB VIII 03 13 42 16.1–.84 35.84S–.05 179.70W–.08 64–6 4.7b,4.6
NEIC VIII 03 13 42 17.1–1.6 36.00S 179.72W 67–12 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=18.4km az=67.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=8.3km az=1.8.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.6km az=77.0.
IDC VIII 03 13 44 58.1–13 35.15S 179.94W 0 4.7s,4.7
¶601765403
IDC Error ellipse: s-maj=246.2km s-min=42.0km az=99.0.
ISC VIII 03 14 55 32.5–1.1 35.6S–.10 179.6W–.20 41 4.3b 34 3-153
IDC VIII 03 14 55 26.8–1.2 35.44S 179.66W 0 4.5,4.3 **¶601706368**
ISCJB VIII 03 14 55 30.6–.98 35.55S–.07 179.6W–.20 41 4.3b,3.6s
NEIC VIII 03 14 55 30.6–1.1 36.08S 179.57W 35 4.0b,3.6s
WEL VIII 03 14 55 31.3–1.4 36S–27 179W–24 33 4.7L,3.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 03 15 18 11.0–3.8 35.8S–.20 179.4W–.20 50–32 4.2b 58 3-150
ISCJB VIII 03 15 18 06.1–1.0 35.73S–.09 179.1W–.10 55–14 4.1b,3.8s **¶601765406**
IDC VIII 03 15 18 06.6–1.9 35.36S 179.98W 0 4.3,4.2b
WEL VIII 03 15 18 08.3–.99 36S–14 179W–17 33 4.6L,4.2b
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 03 18 04 24.9–.95 35.72S–.07 179.5W–.10 47 4.6b,3.5s 94 3-154
IDC VIII 03 18 04 20.7–1.9 35.47S 179.85W 0 4.2,4.1 **¶601706361**
WEL VIII 03 18 04 22.6–.94 36S–9.0 179W–11 33 4.6L,4.1
ISCJB VIII 03 18 04 24.5–.60 35.69S–.04 179.6W–.10 47 4.8b,3.7s
NEIC VIII 03 18 04 26.5–1.1 35.82S 179.77W 47–9 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=53.3km s-min=26.4km az=127.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=4.5km az=21.2.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.1km az=110.0.
ISC VIII 03 21 04 13.1–3.4 37.82S–.05 179.68W–.07 3–21 4.2b,3.5s 98 2-165
IDC VIII 03 21 04 14.5–1.3 37.52S 179.98W 0 4.3,4.2L **¶601555967**
NEIC VIII 03 21 04 16.7–4.2 37.56S 179.93W 17–26 4.3b,4.2L
WEL VIII 03 21 04 17.5–.89 38S–8.0 180W–6.0 33 4.6L,4.2L
ISC Event type se.
NEIC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 04 01 37 11.3–.92 38S–7.0 180W–6.0 33 3.8L
¶606597598

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 04 02 01 38.9–1.2 38S–13 180W–6.0 33 3.9L
¶606597599

WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 04 03 49 37.2–1.4 37.61S–.08 179.89W–.07 29–8 4.1b 67 1-165
IDC VIII 04 03 49 33.3–1.1 37.37S 180.00E 0 4.3,4.1 **¶601765432**
ISCJB VIII 04 03 49 34.0–.88 37.66S–.07 179.66W–.06 37–11 4.0b,4.1
WEL VIII 04 03 49 36.1–.98 38S–8.0 180W–6.0 33 4.3L,4.1
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 04 09 23 52.3–2.5 37.72S–.09 179.94W–.09 4–12 58 1-151
IDC VIII 04 09 23 53.5–3.1 37.16S 179.79E 0 3.8,3.6 **¶601765444**
WEL VIII 04 09 23 55.8–.94 38S–8.0 180W–7.0 33 3.9L,3.6
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 04 09 56 25.1–1.4 35.95S–.07 179.52W–.10 60–10 4.9b,4.3s 165 2-164
BJI VIII 04 09 56 14.9 35.43S 178.67W 10 5.7b,5.2b **¶601518146**
IDC VIII 04 09 56 18.1–.57 35.59S 179.54W 0 4.8,4.7
WEL VIII 04 09 56 20.4–1.1 36S–12 179W–16 33 5.1L,4.7
NEIC VIII 04 09 56 22.0–.38 35.97S 179.41W 35 4.9b,4.7
GCMT VIII 04 09 56 22.0–.40 35.65S–.03 179.01W–.04 31–1 5.0W,4.7
ISCJB VIII 04 09 56 24.3–1.2 35.97S–.06 179.6W–.10 70–8 4.8b,4.7
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c37; s62,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.76±.22 $M_{\theta\theta}$-0.28±.14; $M_{\phi\phi}$-2.48±.13; $M_{r\theta}$0.93±.21; $M_{\theta\phi}$-0.98±.09; $M_{\phi r}$2.50±.18; Best double couple: NP1:ϕ_s21.00000°,δ67.00000°,λ90.00000°. NP2:ϕ_s201.00000°,δ23.00000°,λ91.00000°. Principal axes: T 3.8250,Plg68.0000° ,Azm290.0000°; N 0.0940,Plg0.0000°,Azm21.0000°; P -3.9210,Plg22.0000°,Azm111.0000° $M_0$3.87300×10^{16}

ISCJB Event type se.
ISC VIII 04 12 54 27.4–.34 35.71S–.05 179.49W–.06 41 5.1b,4.6s 344 3-175
BJI VIII 04 12 54 18.3 35.86S 179.25W 7 5.9b,5.3b **¶601518149**
IDC VIII 04 12 54 22.1–.41 35.51S 179.70W 0 4.9b,4.9
WEL VIII 04 12 54 24.7–.80 36S–8.0 179W–10 33 5.3L,4.9
ISCJB VIII 04 12 54 26.4–.24 35.57S–.03 179.78W–.05 33 5.0b,4.7s
MOS VIII 04 12 54 26.7–1.6 35.55S 179.93W 33 5.4b,4.7s
NEIC VIII 04 12 54 27.1–.32 35.78S 179.75W 35 5.1b,4.7s
GCMT VIII 04 12 54 28.1–.20 35.65S–.02 179.26W–.02 21–0 5.2W,4.7s
ISC Event type se.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c88; s83,c138;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.58±.21 $M_{\theta\theta}$-0.85±.14; $M_{\phi\phi}$-4.73±.14; $M_{r\theta}$0.94±.28; $M_{\theta\phi}$-1.96±.11; $M_{\phi r}$4.67±.26; Best double couple: NP1:ϕ_s15.00000°,δ65.00000°,λ84.00000°. NP2:ϕ_s210.00000°,δ25.00000°,λ103.00000°. Principal axes: T 7.3850,Plg69.0000° ,Azm274.0000°; N -0.1190,Plg5.0000°,Azm18.0000°; P -7.2630,Plg20.0000°,Azm110.0000° $M_0$7.32400×10^{16}
ISC VIII 05 01 15 42.2–1.8 35.7S–.20 179.6W–.20 41 26 3-154
IDC VIII 05 01 15 36.8–2.5 35.54S 179.60W 0 4.1,3.9 **¶601765477**
ISCJB VIII 05 01 15 39.7–1.4 35.7S–.10 179.5W–.20 41 3.7b,3.2s
WEL VIII 05 01 15 41.0–1.3 36S–21 179W–23 33 4.2L,3.2s
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 05 13 19 58.0–2.1 37.68S–.07 179.6W–.10 32 3.6b 136 2-145
NEIC VIII 05 13 19 58.1–.00 37.52S 179.58W 33 4.0L **¶601520590**
WEL VIII 05 13 19 59.4–.90 38S–8.0 180W–6.0 33 4.0L
IDC VIII 05 13 20 03.6–4.3 36.81S 179.05E 0 3.9,3.7
ISC Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=85.6km s-min=35.1km az=117.0.
ISC VIII 05 19 01 06.0–2.8 37.94S–.05 179.94W–.07 9–15 159 1-151
WEL VIII 05 19 01 07.8 38S–7.0 180W–8.0 33 4.3L **¶601520598**
NEIC VIII 05 19 01 07.8–.00 37.75S 179.94W 12 4.1L
IDC VIII 05 19 01 09.2–6.8 36.43S 179.51E 0 4.1,3.8b
ISC Event type se.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=406.7km s-min=55.0km az=172.0.
WEL VIII 05 19 39 30.9 38S–9.0 180W–11 33 3.5L
¶606597621
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VIII 05 21 41 12.3–.82 37.82S–.06 179.79W–.09 21–5 4.2b,3.7s 185 1-165
ISCJB VIII 05 21 41 10.7–1.1 37.81S–.04 179.64W–.05 29–11 4.1b,3.6s **¶601520600**
IDC VIII 05 21 41 10.2–.66 37.40S 179.99E 0 4.2,4.1
WEL VIII 05 21 41 11.6 38S–9.0 180W–6.0 33 4.7L,4.1
NEIC VIII 05 21 41 11.6–.00 37.54S 179.58W 33 4.5L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=0.9.
IDC Error ellipse: s-maj=23.6km s-min=18.6km az=34.0.
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
NEIC Event type se. After WEL.
WEL VIII 07 11 19 21.3–1.1 38S–10 180W–7.0 33 3.6L
¶606597635
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 07 14 24 03.5–1.3 36S–24 179W–26 33 3.7L
¶606597638
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 07 14 59 49.3–3.3 38.35S–.06 179.56W–.07 0–19 4.3b,3.5s 260 2-166
IDC VIII 07 14 59 49.7–1.0 38.51S 179.57W 0 4.5,4.4 **¶601531878**
WEL VIII 07 14 59 55.0–.86 38S–7.0 180W–5.0 33 5.0L,4.4
NEIC VIII 07 14 59 54.1–.00 38.03S 179.52W 33 4.6L,4.4
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=26.2km az=174.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. After WEL.
ISC VIII 07 17 06 06.3–2.2 37.93S–.06 179.78W–.07 10–11 4.3b 108 1-146
IDC VIII 07 17 06 06.8–3.8 37.46S 179.86E 0 4.1,3.8 **¶601717633**
WEL VIII 07 17 06 09.0–.93 38S–8.0 180W–6.0 33 4.2L,3.8
NEIC VIII 07 17 06 11.3–2.6 37.88S 179.99W 38–15 4.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=181.7km s-min=52.4km az=169.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=9.8km az=74.0.
WEL VIII 08 20 16 04.8–1.2 38S–12 180W–7.0 33 3.6L
¶606597652
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 09 18 18 20.4 38S–15 180W–9.0 33 3.6L
¶606597663
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC VIII 11 02 04 17.9–.70 35.51S–.09 179.5W–.10 41 4.5b,3.6s 35 4-164
ISCJB VIII 11 02 04 16.5–1.1 35.60S–.07 179.6W–.20 41 4.4b,3.6s **¶601565562**
NEIC VIII 11 02 04 16.5–2.7 35.47S 179.48W 30–18 4.5b,3.6s
IDC VIII 11 02 04 19.1–4.6 35.54S 179.66W 45–38 4.5,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=9.4km az=15.4.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=9.5km az=107.0.
IDC Error ellipse: s-maj=37.1km s-min=21.8km az=74.0.
WEL VIII 11 05 40 10.7–1.2 36S–17 179W–21 33 4.1L
¶606597677
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 11 15 39 41.3–1.2 38S–12 180W–8.0 33 3.8L
¶606597683
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 12 12 53 37.9–1.2 37.96S–.04 179.96W–.05 20–4 4.7b 209 1-151
ISCJB VIII 12 12 53 36.6–.47 37.89S–.03 179.66W–.04 33 4.6b **¶601554366**
NEIC VIII 12 12 53 38.1–.00 37.60S 179.72W 33 4.8b,4.5L
WEL VIII 12 12 53 39.8–1.1 38S–10 180W–7.0 33 4.5L,4.5L
IDC VIII 12 12 53 43.1–5.0 38.34S 179.98E 65–37 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=22.8.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=39.2km s-min=32.0km az=51.0.
ISC VIII 13 05 25 20.6–1.7 37.93S–.03 179.81W–.05 5–9 4.5b,3.5s 270 1-165
ISCJB VIII 13 05 25 20.2–.85 37.87S–.03 179.54W–.04 19–7 4.6b,3.4s **¶601554383**
WEL VIII 13 05 25 20.6–2.2 38S–36 180W–37 0 5.2L,3.4s
IDC VIII 13 05 25 22.5–.88 37.47S 179.89E 0 4.5b,4.4
NEIC VIII 13 05 25 23.2–.00 37.57S 179.60W 33 4.7b,4.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.7km az=36.7.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=26.7km s-min=19.3km az=148.0.
NEIC Event type se. After WEL.
WEL VIII 13 08 20 07.9–1.3 38S–13 180W–7.0 33 3.9L
NEIC VIII 13 08 20 07.0–.00 37.63S 179.73W 33 4.0L **¶601561211**
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. After WEL.
WEL VIII 13 09 51 40.2–1.5 38S–15 180W–10 33 3.9L
¶606597714
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL VIII 13 13 52 15.8–.97 38S–10 180W–6.0 33 3.9L
¶606597717
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 13 23 04 22.4–.62 35.55S–.07 179.17W–.09 41 4.4b,3.9s 89 3-160
IDC VIII 13 23 04 17.0–.62 35.44S 179.35W 0 4.5,4.4 **¶601605960**
ISCJB VIII 13 23 04 19.1–.72 35.50S–.05 179.1W–.10 41 4.4b,3.9s
WEL VIII 13 23 04 19.3–1.0 35S–12 179W–14 33 4.9L,3.9s
NEIC VIII 13 23 04 22.4–.50 35.46S 179.49W 35 4.2b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=15.8km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=4.9km az=24.5.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=9.9km az=122.0.
WEL VIII 13 23 15 39.4–1.1 38S–13 180W–8.0 33 4.2L
NEIC VIII 13 23 15 37.1–.00 37.55S 179.64W 33 4.1L **¶601561220**
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. After WEL.
ISC VIII 13 23 28 01.9–3.5 37.84S–.07 179.7W–.10 16–21 50 2-155
IDC VIII 13 23 28 02.9–1.7 35.99S 179.91W 0 4.0,3.9b **¶601561224**
NEIC VIII 13 23 28 05.1–.00 37.62S 179.70W 33 4.2L,3.9b
WEL VIII 13 23 28 06.1–1.8 38S–46 180E–51 36 4.7L,3.9b
ISC Event type se.
NEIC Event type se. After WEL.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC VIII 14 02 06 29.5–3.5 37.69S–.08 179.80W–.08 1–19 4.4b 58 1-165
ISCJB VIII 14 02 06 28.3–1.3 37.73S–.07 179.69W–.10 9–12 4.3b,3.6s **¶601561227**
IDC VIII 14 02 06 30.4–1.0 37.44S 179.94W 0 4.4b,4.4
NEIC VIII 14 02 06 31.2–.00 37.55S 179.62W 33 4.7L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.3km az=35.0.
IDC Error ellipse: s-maj=38.0km s-min=27.7km az=62.0.
NEIC Event type se. After WEL.
NEIC VIII 16 08 43 08.2–.00 37.59S 179.59W 22 4.0L
¶601564858
NEIC Event type se. After WEL.
ISC VIII 17 08 48 10.4–2.2 37.92S–.05 179.67W–.07 4–12 4.4b 77 2-152
NEIC VIII 17 08 48 13.6–.00 37.55S 179.49W 33 4.4b,4.3L **¶601565579**
IDC VIII 17 08 48 14.1–2.8 37.00S 179.85E 0 4.5,4.5s
ISC Event type se.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=90.0km s-min=31.5km az=145.0.
ISC VIII 17 14 19 35.1–.97 37.90S–.06 179.73W–.07 32 4.1b,3.6s 73 1-156
IDC VIII 17 14 19 32.6–1.0 37.32S 179.93W 0 4.2,4.1 **¶601565583**
NEIC VIII 17 14 19 33.2–.00 37.52S 179.46W 33 4.4L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=25.9km az=7.0.
NEIC Event type se. After WEL.
ISC VIII 17 16 40 43.0–1.5 37.87S–.09 179.8W–.10 27 3.8b 75 1-151
NEIC VIII 17 16 40 41.2–.00 37.55S 179.59W 33 4.2L **¶601565585**
IDC VIII 17 16 40 56.4–6.0 34.75S 177.94E 0 4.0,3.8
ISC Event type se.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=267.5km s-min=60.3km az=166.0.
ISC VIII 18 00 57 07.6–1.8 37.8S–.10 179.5W–.10 32 38 2-151
IDC VIII 18 00 57 05.2–3.6 37.37S 179.77W 0 3.9,3.6 **¶601565596**
NEIC VIII 18 00 57 08.0–.00 37.47S 179.55W 33 4.0L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=136.9km s-min=31.3km az=154.0.
NEIC Event type se. After WEL.
ISC VIII 19 21 35 36.5–1.2 37.92S–.08 179.81W–.07 31 3.8b 31 1-151
ISCJB VIII 19 21 35 34.7–1.1 37.88S–.08 179.64W–.08 31 3.8b **¶601566718**
NEIC VIII 19 21 35 34.7–.00 37.55S 179.59W 37 4.2L
IDC VIII 19 21 35 35.3–2.9 36.93S 179.75E 0 4.1,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=34.3.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=83.4km s-min=40.0km az=149.0.
ISC VIII 21 19 32 07.6–.87 35.58S–.08 179.2W–.10 41 4.3b 29 3-150
IDC VIII 21 19 32 04.8–2.8 35.34S 179.56W 0 4.4,4.3 **¶601766269**
ISCJB VIII 21 19 32 05.0–.76 35.62S–.07 179.1W–.10 41 4.5b,3.4s
NEIC VIII 21 19 32 06.3–2.5 35.47S 179.26W 22–19 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=61.0km s-min=34.8km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.4km az=29.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=121.0.
ISC VIII 24 22 01 09.4–.67 35.57S–.10 179.6W–.10 41 4.4b,3.9s 39 4-163
NEIC VIII 24 22 01 08.0–.62 35.71S 179.57W 35 4.8b,3.9s **¶601766416**
ISCJB VIII 24 22 01 08.1–.92 35.63S–.08 179.7W–.10 41 4.5b,3.7s
IDC VIII 24 22 01 09.3–2.4 35.55S 179.64W 42–19 4.5,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=14.9km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=10.4km az=21.0.
IDC Error ellipse: s-maj=19.6km s-min=15.5km az=149.0.
ISC VIII 25 06 35 13.2–.67 35.97S–.07 179.46W–.10 49 4.4b,3.8s 58 2-155
NEIC VIII 25 06 35 11.6–.46 35.80S 179.45W 35 4.5b,3.8s **¶601645488**
ISCJB VIII 25 06 35 12.4–.68 35.96S–.05 179.7W–.10 49 4.3b,3.7s
IDC VIII 25 06 35 13.7–5.0 35.72S 179.54W 52–40 4.3,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.6km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=5.9km az=21.7.
IDC Error ellipse: s-maj=33.6km s-min=23.4km az=68.0.
ISC IX 21 15 15 53.7–1.8 36.5S–.10 179.3W–.20 10 4.0b 43 2-150
WEL IX 21 15 15 56.5–1.1 37S–17 179W–14 33 4.3L **¶601863955**
IDC IX 21 15 16 00.6–3.0 36.01S 179.40E 0 4.1,4.0b
ISC Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=65.1km s-min=33.4km az=118.0.
IDC IX 25 11 30 42.4–3.6 37.10S 179.85W 0 3.4,3.3
¶601864151
IDC Error ellipse: s-maj=117.1km s-min=43.2km az=151.0.
WEL IX 27 14 58 17.4–.97 35S–9.0 180W–14 12 4.3L
¶606597859
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL X 02 15 22 36.2 38S–9.0 180W–7.0 33 4.3L
¶606594581
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 14 11 01 25.7 38S–9.0 180W–6.0 33 3.9L
¶606594732
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL X 16 11 34 40.4 38S–14 180W–9.0 33 3.9L
¶606594753
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
ISC X 22 16 35 23.1–1.4 35.62S–.08 178.8W–.10 47 3.8b 67 3-150
IDC X 22 16 35 18.5–2.3 35.20S 179.08W 0 4.2,4.0 **¶601874195**
ISCJB X 22 16 35 20.8–.84 35.59S–.06 178.78W–.10 47 3.9b,4.0
WEL X 22 16 35 23.3–.95 36S–8.0 179W–9.0 33 4.5L,4.0
NEIC X 22 16 35 23.9–3.8 35.69S 178.95W 49–27 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=70.4km s-min=42.2km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=31.0.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=22.1km az=52.0.
WEL X 26 13 42 53.3 38S–8.0 180W–6.0 33 3.6L
¶606594918
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XI 03 08 59 53.0–.89 38S–8.0 180W–6.0 33 3.7L
¶606794247
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XI 07 00 10 29.8–.61 35.04S–.06 179.85W–.09 43 4.3b,3.8s 72 3-158
IDC XI 07 00 10 22.8–.88 34.80S 179.85W 0 4.5,4.4 **¶601991498**
ISCJB XI 07 00 10 27.7–.62 35.00S–.04 179.88W–.09 43 4.2b,3.7s
WEL XI 07 00 10 28.6–1.4 35S–13 180W–14 102–67 4.2b,3.7s
NEIC XI 07 00 10 31.1–2.2 35.14S 179.96E 60–17 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=20.2km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.4km az=16.4.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.7km az=59.0.
WEL XI 26 02 37 08.8–1.2 38S–10 180W–7.0 33 3.7L
¶606794345
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 06 18 31 50.1 38S–13 180W–7.0 33 4.0L
¶606818747
WEL smi:scs/0.7/NonLinLoc. earthModelID smi:scs/0.7/nz3drx. manual. confirmed.
WEL XII 11 06 54 55.9–1.3 35S–8.0 180W–13 5 3.9L
¶606818769
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 14 19 33 11.1–1.5 37S–24 179W–14 33 3.7L
¶606818788
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
ISC XII 16 05 20 19.7–1.9 35.08S–.10 178.9W–.20 42 43 3-149
IDC XII 16 05 20 18.0–2.9 34.99S 179.42W 0 4.4,4.3 **¶602391444**
ISCJB XII 16 05 20 19.4–1.1 35.10S–.07 179.0W–.10 42 4.1b,4.3
WEL XII 16 05 20 21.8–1.1 35S–8.0 179W–12 33 4.4L,4.3
ISC Event type ke.
ISCJB Event type ke.
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.
WEL XII 29 09 50 01.8–1.2 36S–15 178W–14 33 4.6L
¶606818876
WEL smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. manual. confirmed.

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ISC VII 07 16 32 19.5–.59 59.7S–.10 151.0W–.10 10 4.3b,4.1s 27 23-161
ISCJB VII 07 16 32 17.6–.55 59.63S–.08 151.0W–.20 10 4.2s,4.2b **¶601266103**
IDC VII 07 16 32 18.3–.63 59.66S 151.08W 0 4.3,4.2
NEIC VII 07 16 32 19.7–.47 59.67S 151.09W 10 4.4b,4.2
GCMT VII 07 16 32 19.7–.30 59.90S 150.65W 12 4.9W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=11.5km az=171.0.
IDC Error ellipse: s-maj=26.9km s-min=18.0km az=12.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=13.3km az=190.0.
GCMT Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s20,c23; s72,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.13 $M_{\theta\theta}$2.32±.12; $M_{\phi\phi}$-2.31±.10; $M_{r\theta}$-1.67±.35; $M_{\theta\phi}$1.36±.09; $M_{\phi r}$0.34±.29; Best double couple: NP1:ϕ_s300.00000°,δ85.00000°,λ30.00000°. NP2:ϕ_s207.00000°,δ60.00000°,λ174.00000°. Principal axes: T 3.3910,Plg25.0000°,Azm168.0000°; N -0.4800,Plg59.0000°,Azm309.0000°; P -2.9150,Plg17.0000°,Azm70.0000° $M_0$3.15300×10^{16}
ISC VII 07 20 32 26.6–.66 59.6S–.10 150.6W–.20 10 4.4s,4.4b 32 23-151
ISCJB VII 07 20 32 24.2–.64 59.67S–.09 150.7W–.20 10 4.5b,4.5s **¶601266104**
IDC VII 07 20 32 25.2–1.2 59.72S 150.76W 0 4.4s,4.4
NEIC VII 07 20 32 26.8–.43 59.52S 150.67W 10 5.0b,4.4
GCMT VII 07 20 32 26.8–.20 59.84S 150.33W 26–1 5.1W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=11.7km az=156.4.
IDC Error ellipse: s-maj=47.0km s-min=27.8km az=47.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.8km az=82.0.
GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s40,c49; s92,c137; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.19 $M_{\theta\theta}$3.65±.18; $M_{\phi\phi}$-3.35±.14; $M_{r\theta}$0.77±.31; $M_{\theta\phi}$3.75±.12; $M_{\phi r}$2.43±.32; Best double couple: NP1:ϕ_s202.00000°,δ87.00000°,λ-154.00000°. NP2:ϕ_s111.00000°,δ64.00000°,λ-3.00000°. Principal axes: T 5.7700,Plg16.0000°,Azm334.0000°; N -0.0800,Plg63.0000°,Azm208.0000°; P -5.6980,Plg20.0000°,Azm70.0000° $M_0$5.73400×10^{16}
ISC VII 18 04 25 25.9–.34 55.67S–.10 128.89W–.08 10 5.5s,5.0b 143 31-159
IDC VII 18 04 25 20.9–.52 55.24S 129.02W 0 5.2s,5.2 **¶601404416**
ISCJB VII 18 04 25 24.9–.26 55.87S–.06 129.1W–.10 10 5.4s,4.8b
NEIC VII 18 04 25 25.6–.31 55.66S 128.89W 10 5.9W,5.8W
GCMT VII 18 04 25 25.6–.10 55.36S 128.96W 20–0 5.9W,5.8W
NEIC VII 18 04 25 29.0–.00 55.50S 128.77W 15 5.9W,5.8W
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=17.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=25.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.8km az=131.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71 $M_{\theta\theta}$4.19 $M_{\phi\phi}$-3.48 $M_{r\theta}$0.90 $M_{\theta\phi}$4.75 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s20.00000°,δ80.00000°,λ-177.00000°. NP2:ϕ_s289.00000°,δ87.00000°,λ-10.00000°. Principal axes: T 6.5100,Plg5.0000°,Azm335.0000°; N -0.6500,Plg80.0000°,Azm94.0000°; P -5.8700,Plg9.0000°,Azm244.0000° $M_0$6.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s134,c283; s133,c433;Duration: 2ŝ1 Moment tensor: Scale 10^{17} Nm; M_{rr}-1.29±.06 $M_{\theta\theta}$5.84±.07; $M_{\phi\phi}$-4.55±.06; $M_{r\theta}$-0.28±.12; $M_{\theta\phi}$6.46±.06; $M_{\phi r}$0.41±.11; Best double couple: NP1:ϕ_s109.00000°,δ87.00000°,λ-3.00000°. NP2:ϕ_s199.00000°,δ87.00000°,λ-177.00000°. Principal axes: T 8.9350,Plg0.0000°,Azm154.0000°; N -1.2530,Plg86.0000°,Azm250.0000°; P -7.6830,Plg4.0000°,Azm64.0000° $M_0$8.30900×10^{17}
NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.29 $M_{\theta\theta}$5.15 $M_{\phi\phi}$-3.85 $M_{r\theta}$1.25 $M_{\theta\phi}$6.92 $M_{\phi r}$-1.20 Best double couple: NP1:ϕ_s286.00000°,δ82.00000°,λ-12.00000°. NP2:ϕ_s17.00000°,δ78.00000°,λ-172.00000°. Principal axes: T 8.9300,Plg3.0000°,Azm331.0000°; N -0.9200,Plg75.0000°,Azm73.0000°; P -8.0100,Plg13.0000°,Azm241.0000° $M_0$8.50000×10^{17}
ISC VII 18 09 33 23.6–.67 54.8S–.10 127.4W–.20 10 4.2b,3.9s 17 32-160
ISCJB VII 18 09 33 22.2–.59 54.9S–.10 127.3W–.20 10 4.2b,4.0s **¶601472346**
IDC VII 18 09 33 22.4–.63 54.89S 127.43W 0 4.3,4.1
NEIC VII 18 09 33 23.6–.43 54.86S 127.45W 10 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=15.4km az=40.5.
IDC Error ellipse: s-maj=25.6km s-min=19.2km az=133.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.6km az=134.0.
IDC VII 18 18 17 27.4–5.8 55.15S 140.79W 0 3.8,3.5
¶601664802
IDC Error ellipse: s-maj=1009.0km s-min=101.1km az=165.0.
ISC VII 24 11 46 53.3–.84 56.9S–.10 140.5W–.20 10 4.4b,3.8s 14 28-152
ISCJB VII 24 11 46 51.7–.84 56.9S–.10 140.6W–.30 10 4.1b,3.8s **¶601472474**
IDC VII 24 11 46 51.8–.97 56.86S 140.62W 0 4.2,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.4km s-min=16.2km az=7.9.
IDC Error ellipse: s-maj=30.8km s-min=25.2km az=151.0.
ISC VIII 02 07 29 02.8–1.1 63.6S–.20 167.8W–.20 10 4.0s,3.9b 13 16-153
ISCJB VIII 02 07 29 00.2–1.3 63.4S–.10 167.7W–.50 10 3.9b,3.9s **¶601706352**
IDC VIII 02 07 29 01.4–1.0 63.59S 167.90W 0 4.2,4.1L
NEIC VIII 02 07 29 02.5–.83 63.47S 167.76W 10 4.2b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.2km s-min=17.7km az=160.5.
IDC Error ellipse: s-maj=37.8km s-min=23.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=15.8km az=86.0.
ISC VIII 04 01 56 48.9–.95 56.1S–.10 142.8W–.20 10 4.3b,4.2s 17 29-151
ISCJB VIII 04 01 56 46.4–1.0 56.13S–.09 143.0W–.40 10 4.2b,4.1s **¶601534031**
IDC VIII 04 01 56 48.7–1.2 56.29S 142.72W 0 4.4,4.2
NEIC VIII 04 01 56 50.1–.89 56.29S 142.59W 10 4.2b,4.2
GCMT VIII 04 01 56 53.2–.20 56.55S–.02 142.75W–.02 26–1 5.1W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c61; s95,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.23 $M_{\theta\theta}$5.35±.22; $M_{\phi\phi}$-4.77±.17; $M_{r\theta}$0.95±.36; $M_{\theta\phi}$2.84±.14; $M_{\phi r}$2.64±.37; Best double couple: NP1:ϕ_s212.00000°,δ84.00000°,λ-154.00000°. NP2:ϕ_s119.00000°,δ64.00000°,λ-6.00000°. Principal axes: T 6.4750,Plg14.0000°,Azm343.0000°; N -0.0270,Plg64.0000°,Azm224.0000°; P -6.4560,Plg22.0000°,Azm78.0000° $M_0$6.46600×10^{16}
ISC VIII 04 09 20 24.5–.75 56.3S–.10 142.7W–.20 10 4.4b,3.9s 15 28-151
IDC VIII 04 09 20 24.0–.76 56.50S 142.76W 0 4.4,4.2b **¶601534035**
GCMT VIII 04 09 20 29.0–.40 56.60S–.03 142.20W–.03 31–1 5.0W,4.2b
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s71,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.58±.26 $M_{\theta\theta}$2.75±.22; $M_{\phi\phi}$-3.33±.22; $M_{r\theta}$1.03±.28; $M_{\theta\phi}$1.78±.15; $M_{\phi r}$1.11±.28; Best double couple: NP1:ϕ_s28.00000°,δ82.00000°,λ156.00000°. NP2:ϕ_s121.00000°,δ66.00000°,λ9.00000°. Principal axes: T 3.7650,Plg22.0000°,Azm342.0000°; N 0.1930,Plg65.0000°,Azm190.0000°; P -3.9620,Plg11.0000°,Azm77.0000° $M_0$3.86300×10^{16}
ISC VIII 06 11 50 57.2–.61 54.5S–.20 137.3W–.10 10 4.7s,4.6b 40 31-164
IDC VIII 06 11 50 55.3–.63 54.45S 137.26W 0 4.5s,4.5 **¶601765552**
ISCJB VIII 06 11 50 56.2–.65 54.6S–.10 137.1W–.20 10 4.6s,4.6b
NEIC VIII 06 11 50 57.0–.36 54.51S 137.36W 10 4.6b,4.6b
GCMT VIII 06 11 51 02.0–.20 54.34S–.01 136.80W–.01 12 5.3W,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c80; s120,c191;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$0.90±.02; $M_{\phi\phi}$-0.63±.02; $M_{r\theta}$0.63±.05; $M_{\theta\phi}$0.71±.02; $M_{\phi r}$0.32±.05; Best double couple: NP1:ϕ_s23.00000°,δ81.00000°,λ158.00000°. NP2:ϕ_s117.00000°,δ68.00000°,λ10.00000°. Principal axes: T 1.4660,Plg22.0000°,Azm338.0000°; N -0.5420,Plg66.0000°,Azm181.0000°; P -0.9240,Plg8.0000°,Azm71.0000° $M_0$1.19500×10^{17}
ISC VIII 06 12 03 17.8–.59 54.0S–.20 137.0W–.10 10 4.4b,4.4s 27 31-164
IDC VIII 06 12 03 16.0–.55 54.02S 137.06W 0 4.3s,4.3 **¶601736109**
NEIC VIII 06 12 03 17.8–.37 54.05S 137.04W 10 4.6b,4.3
GCMT VIII 06 12 03 21.8–.30 54.26S–.02 136.87W–.03 21–1 5.0W,4.3
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s69,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.36±.31 $M_{\theta\theta}$1.53±.22; $M_{\phi\phi}$-2.88±.23; $M_{r\theta}$1.15±.38; $M_{\theta\phi}$2.52±.14; $M_{\phi r}$1.10±.32; Best double couple: NP1:ϕ_s15.00000°,δ72.00000°,λ151.00000°. NP2:ϕ_s115.00000°,δ62.00000°,λ21.00000°. Principal axes: T 3.6670,Plg33.0000°,Azm333.0000°; N 0.4210,Plg56.0000°,Azm166.0000°; P -4.0780,Plg6.0000°,Azm67.0000° $M_0$3.87200×10^{16}
IDC VIII 06 12 05 37.4–.96 53.94S 136.85W 0 4.2,4.0
¶601765553
IDC Error ellipse: s-maj=81.8km s-min=26.2km az=169.0.
ISC VIII 06 12 45 53.3–.60 53.9S–.20 137.3W–.10 10 4.4b,4.0s 27 31-164
ISCJB VIII 06 12 45 51.7–.48 54.0S–.20 137.2W–.20 10 4.3b,4.0s **¶601534088**
IDC VIII 06 12 45 51.8–.71 54.02S 137.20W 0 4.3,4.1b
NEIC VIII 06 12 45 53.4–.35 53.93S 137.17W 10 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=12.8km az=165.9.
IDC Error ellipse: s-maj=36.0km s-min=19.8km az=171.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=10.7km az=167.0.
ISC VIII 06 14 48 21.8–.67 57.7S–.20 147.2W–.10 10 4.6b,4.5s 39 26-158
ISCJB VIII 06 14 48 20.0–.67 57.8S–.20 147.3W–.20 10 4.6b,4.5s **¶601529204**
IDC VIII 06 14 48 20.4–.68 57.77S 147.35W 0 4.5s,4.5
NEIC VIII 06 14 48 22.7–.86 57.82S 147.31W 15–5 4.8b,4.5
GCMT VIII 06 14 48 24.7–.20 57.91S–.01 147.10W–.02 16–1 5.2W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c81; s89,c138;Duration: 1ŝ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.17 $M_{\theta\theta}$5.69±.20; $M_{\phi\phi}$-5.37±.17; $M_{r\theta}$0.96±.46; $M_{\theta\phi}$5.40±.14; $M_{\phi r}$1.62±.47; Best double couple: NP1:ϕ_s23.00000°,δ89.00000°,λ166.00000°. NP2:ϕ_s113.00000°,δ76.00000°,λ1.00000°. Principal axes: T 8.1580,Plg10.0000°,Azm337.0000°; N -0.4160,Plg76.0000°,Azm199.0000°; P -7.7470,Plg9.0000°,Azm69.0000° $M_0$7.95300×10^{16}
ISC VIII 10 02 55 35.2–1.0 55.1S–.20 129.4W–.30 10 4.2b,3.9s 9 32-145
IDC VIII 10 02 55 34.2–1.0 54.86S 129.89W 0 4.3,4.2b **¶601605953**
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=33.9km az=107.0.
ISC VIII 12 18 31 26.2–.41 63.28S–.07 157.53W–.08 10 5.0s,4.9b 76 18-169
IDC VIII 12 18 31 22.9–.65 62.87S 158.00W 0 4.8,4.8 **¶601554141**
ISCJB VIII 12 18 31 24.3–.55 63.21S–.07 157.7W–.20 10 5.0s,4.8b
NEIC VIII 12 18 31 25.1–.46 63.00S 157.72W 10 5.0s,5.0b
BJI VIII 12 18 31 25.2 63.20S 157.40W 10 5.5b,5.4s
GCMT VIII 12 18 31 33.1–.20 62.86S–.01 158.58W–.03 12 5.4W,5.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c101; s93,c137;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26±.03 $M_{\theta\theta}$-1.56±.03; $M_{\phi\phi}$1.30±.03; $M_{r\theta}$-0.10±.08; $M_{\theta\phi}$-0.50±.03; $M_{\phi r}$-0.38±.08; Best double couple: NP1:ϕ_s216.00000°,δ82.00000°,λ15.00000°. NP2:ϕ_s124.00000°,δ75.00000°,λ172.00000°. Principal axes: T 1.4870,Plg16.0000°,Azm81.0000°; N 0.1670,Plg73.0000°,Azm243.0000°; P -1.6590,Plg5.0000°,Azm350.0000° $M_0$1.57300×10^{17}
ISC VIII 21 06 28 23.6–.49 55.91S–.10 144.1W–.10 10 4.2b,4.1s 52 28-164
IDC VIII 21 06 28 21.9–.62 55.92S 144.21W 0 4.2,4.1 **¶601610549**
ISCJB VIII 21 06 28 22.1–.43 55.97S–.08 144.2W–.10 10 4.2b,4.1s
NEIC VIII 21 06 28 23.6–.35 55.86S 144.23W 10 4.4b,4.1s
GCMT VIII 21 06 28 27.6–.30 56.12S–.02 143.93W–.03 17–2 5.0W,4.1s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c24; s76,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.02±.14 $M_{\theta\theta}$2.04±.15; $M_{\phi\phi}$-2.06±.14; $M_{r\theta}$2.65±.48; $M_{\theta\phi}$1.72±.10; $M_{\phi r}$1.65±.41; Best double couple: NP1:ϕ_s29.00000°,δ85.00000°,λ137.00000°. NP2:ϕ_s124.00000°,δ47.00000°,λ7.00000°. Principal axes: T 4.6880,Plg33.0000°,Azm337.0000°; N -1.7000,Plg46.0000°,Azm203.0000°; P -2.9920,Plg25.0000°,Azm84.0000° $M_0$3.84000×10^{16}
ISC VIII 22 11 13 25.8–.47 62.75S–.10 158.7W–.10 10 4.5b,4.3s 35 19-157
IDC VIII 22 11 13 23.9–.57 62.62S 158.76W 0 4.5,4.4 **¶601645481**
ISCJB VIII 22 11 13 24.5–.55 62.78S–.09 158.6W–.20 10 4.5b,4.3s
NEIC VIII 22 11 13 25.1–.35 62.47S 158.68W 10 4.7b,4.3s
GCMT VIII 22 11 13 31.1–.20 62.89S–.01 158.75W–.04 12 5.1W,4.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c71; s82,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.93±.14 $M_{\theta\theta}$5.29±.12; $M_{\phi\phi}$-0.35±.14; $M_{r\theta}$1.10±.39; $M_{\theta\phi}$-1.94±.12; $M_{\phi r}$2.03±.42; Best double couple: NP1:ϕ_s265.00000°,δ52.00000°,λ-121.00000°. NP2:ϕ_s130.00000°,δ48.00000°,λ-56.00000°. Principal axes: T 5.9120,Plg3.0000°,Azm16.0000°; N 0.0610,Plg24.0000°,Azm285.0000°; P -5.9710,Plg66.0000°,Azm112.0000° $M_0$5.94100×10^{16}
ISC VIII 26 11 22 22.5–.32 65.42S–.06 179.68W–.08 10 5.3b,5.1s 164 13-171
ISCJB VIII 26 11 22 20.5–.28 65.49S–.04 180.0W–.20 10 5.1b,5.1s **¶601626461**
IDC VIII 26 11 22 20.4–.45 65.38S 179.70W 0 5.0,5.0s
MOS VIII 26 11 22 21.6–1.9 65.59S 179.98E 10 5.4b,5.2s
BJI VIII 26 11 22 21.5 65.50S 179.80W 10 5.7b,5.3s
NEIC VIII 26 11 22 22.1–.26 65.48S 179.78W 10 5.6W,5.4b
GCMT VIII 26 11 22 25.1–.10 65.30S–.01 179.83W–.02 12–0 5.6W,5.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.34 $M_{\theta\theta}$2.90 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s49.00000°,δ80.00000°,λ180.00000°. NP2:ϕ_s139.00000°,δ90.00000°,λ10.00000°. Principal axes: T 2.9900,Plg7.0000°,Azm5.0000°; N -0.3600,Plg80.0000°,Azm140.0000°; P -2.6400,Plg7.0000°,Azm274.0000° $M_0$2.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c176; s133,c318; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42±.03 $M_{\theta\theta}$3.14±.04; $M_{\phi\phi}$-2.72±.03; $M_{r\theta}$-1.60±.13; $M_{\theta\phi}$-0.52±.03; $M_{\phi r}$0.36±.08; Best double couple: NP1:ϕ_s321.00000°,δ80.00000°,λ20.00000°. NP2:ϕ_s228.00000°,δ71.00000°,λ169.00000°. Principal axes: T 3.8100,Plg21.0000°,Azm186.0000°; N -1.0240,Plg68.0000°,Azm347.0000°; P -2.7900,Plg6.0000°,Azm93.0000° $M_0$3.30000×10^{17}
ISC VIII 29 17 17 41.0–.88 62.8S–.10 157.5W–.20 10 4.0b,3.8s 11 19-127
ISCJB VIII 29 17 17 38.9–.76 62.8S–.10 157.6W–.30 10 4.0b,3.8s **¶601676524**
IDC VIII 29 17 17 40.0–1.0 62.89S 157.57W 0 4.1,4.0

NEIC VIII 29 17 17 41.5–.86 62.85S 157.51W 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=14.2km az=16.2.
IDC Error ellipse: s-maj=30.0km s-min=24.2km az=27.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=19.8km az=128.0.
ISC IX 03 01 31 54.8–.29 56.60S–.08 141.68W–.07 10 4.8b,4.6s 164 27-172
IDC IX 03 01 31 53.0–.35 56.67S 141.81W 0 4.7,4.6 **¶601671992**
ISCJB IX 03 01 31 53.9–.27 56.83S–.06 141.8W–.10 10 4.7b,4.4s
NEIC IX 03 01 31 55.0–.24 56.72S 141.86W 10 4.9b,4.4s
GCMT IX 03 01 31 57.0–.20 57.02S–.02 141.96W–.02 12–0 5.0W,4.4s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c85; s87,c138;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.73±.20 $M_{\theta\theta}$1.38±.18; $M_{\phi\phi}$-5.12±.14; $M_{r\theta}$0.18±.47; $M_{\theta\phi}$0.47±.11; $M_{\phi r}$-0.88±.30; Best double couple: NP1:ϕ_s173.00000°,δ51.00000°,λ87.00000°. NP2:ϕ_s359.00000°,δ39.00000°,λ94.00000°. Principal axes: T 3.8240,Plg84.0000° ,Azm61.0000°; N 1.4090,Plg3.0000°,Azm176.0000°; P -5.2420,Plg6.0000°,Azm266.0000° M_o4.53300×10^{16}
ISC IX 07 16 47 18.7–.64 54.3S–.10 135.7W–.20 10 4.5s,4.4b 19 31-160
ISCJB IX 07 16 47 17.1–.67 54.38S–.10 135.7W–.20 10 4.5s,4.3b **¶601712326**
IDC IX 07 16 47 17.1–.74 54.27S 135.69W 0 4.5s,4.5
NEIC IX 07 16 47 18.5–.60 54.35S 135.60W 10 4.1b,4.5
GCMT IX 07 16 47 24.5–.20 54.63S–.01 135.72W–.02 12 5.1W,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c78; s101,c150;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.32±.12 $M_{\theta\theta}$5.55±.14; $M_{\phi\phi}$-3.22±.12; $M_{r\theta}$0.94±.32; $M_{\theta\phi}$3.60±.11; $M_{\phi r}$1.44±.33; Best double couple: NP1:ϕ_s208.00000°,δ80.00000°,λ-157.00000°. NP2:ϕ_s114.00000°,δ68.00000°,λ-11.00000°. Principal axes: T 7.0400,Plg8.0000° ,Azm340.0000°; N -2.0830,Plg66.0000°,Azm231.0000°; P -4.9470,Plg23.0000° ,Azm73.0000° M_o5.99300×10^{16}
IDC IX 08 20 27 10.7–1.3 54.52S 136.48W 0 4.3,4.1
¶601712328
IDC Error ellipse: s-maj=51.4km s-min=28.6km az=0.0.
IDC IX 08 21 46 07.5–4.3 55.63S 143.50W 0 3.8,3.6
¶601863191
IDC Error ellipse: s-maj=856.2km s-min=44.5km az=179.0.
IDC IX 09 02 47 11.3–6.3 57.98S 150.66W 0 3.8,3.6
¶601863205
IDC Error ellipse: s-maj=552.9km s-min=69.4km az=163.0.
ISC IX 09 04 20 03.1–.81 56.4S–.20 151.1W–.10 10 4.0b 15 27-156
ISCJB IX 09 04 20 01.5–.90 56.4S–.20 151.1W–.20 10 4.0b,3.2s **¶601734472**
IDC IX 09 04 20 01.8–.80 56.37S 150.98W 0 4.2,4.0b
NEIC IX 09 04 20 03.1–.60 56.35S 151.01W 10 4.0b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=18.3km az=174.7.
IDC Error ellipse: s-maj=33.1km s-min=20.5km az=7.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=17.6km az=4.0.
IDC IX 09 08 07 33.6–.76 56.23S 150.52W 0 4.1,3.9
¶601863221
IDC Error ellipse: s-maj=34.0km s-min=20.5km az=0.0.
IDC IX 09 09 57 43.6–.96 56.35S 151.14W 0 4.0,3.9
¶601863229
IDC Error ellipse: s-maj=34.0km s-min=29.0km az=168.0.
IDC IX 10 22 07 33.7–.97 56.97S 151.03W 0 4.1,3.8b
¶601863316
IDC Error ellipse: s-maj=148.7km s-min=28.5km az=1.0.
ISC IX 11 08 47 02.7–.55 55.8S–.20 144.6W–.10 10 4.5b,4.1s 35 29-154
IDC IX 11 08 47 00.3–.66 55.62S 144.91W 0 4.4,4.2 **¶601712457**
NEIC IX 11 08 47 02.9–.32 55.76S 144.62W 10 4.6b,4.2
GCMT IX 11 08 47 04.9–.30 56.02S–.02 144.76W–.03 25–1 5.0W,4.2
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c19; s71,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.22 $M_{\theta\theta}$3.18±.19; $M_{\phi\phi}$-2.10±.15; $M_{r\theta}$0.96±.34; $M_{\theta\phi}$1.97±.10; $M_{\phi r}$0.55±.33; Best double couple: NP1:ϕ_s27.00000°,δ87.00000°,λ166.00000°. NP2:ϕ_s117.00000°,δ76.00000°,λ3.00000°. Principal axes: T 4.0620,Plg12.0000° ,Azm341.0000°; N -1.2770,Plg76.0000°,Azm197.0000°; P -2.7850,Plg8.0000°,Azm73.0000° M_o3.42400×10^{16}
ISC IX 13 17 17 42.4–1.4 56.6S–.20 151.1W–.30 10 4.2b 10 26-153
IDC IX 13 17 17 41.5–1.2 56.54S 151.17W 0 4.2,4.1b **¶601863469**
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=29.3km az=58.0.
IDC IX 14 00 48 24.5–6.4 57.28S 150.91W 0 3.9,3.7
¶601863493
IDC Error ellipse: s-maj=567.7km s-min=63.9km az=163.0.
ISC IX 15 23 01 46.9–.80 56.6S–.20 151.0W–.20 10 4.1b 15 27-153
ISCJB IX 15 23 01 44.9–1.1 56.5S–.20 151.1W–.30 10 3.9b,2.5s **¶601738696**
IDC IX 15 23 01 45.6–.82 56.61S 151.04W 0 4.0,3.8
NEIC IX 15 23 01 46.9–.48 56.56S 151.01W 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.1km s-min=20.4km az=24.8.
IDC Error ellipse: s-maj=31.4km s-min=28.8km az=73.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=14.4km az=209.0.
IDC IX 18 12 47 33.6–1.1 56.62S 142.61W 0 4.4,4.1b
¶601740164
IDC Error ellipse: s-maj=57.2km s-min=26.6km az=13.0.
IDC X 02 18 05 15.7–4.3 58.16S 141.87W 0 4.0,3.7
¶601783187
IDC Error ellipse: s-maj=771.5km s-min=108.5km az=171.0.
ISC X 11 09 04 11.4–.51 56.07S–.09 143.7W–.10 10 4.6b,4.3s 43 28-150
ISCJB X 11 09 04 09.5–.41 56.16S–.07 143.7W–.10 10 4.5b,4.3s **¶601838016**
IDC X 11 09 04 10.1–.62 56.14S 143.76W 0 4.5,4.4
NEIC X 11 09 04 12.2–.44 56.22S 143.75W 10 4.7b,4.4
GCMT X 11 09 04 15.2–.10 56.38S–.01 143.33W–.01 26–0 5.3W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c107; s105,c169;Duration: 1ŝ0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.02 $M_{\theta\theta}$0.84±.02; $M_{\phi\phi}$-0.70±.02; $M_{r\theta}$0.14±.04; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$0.04±.03; Best double couple: NP1:ϕ_s117.00000°,δ86.00000°,λ6.00000°. NP2:ϕ_s27.00000°,δ84.00000°,λ176.00000°. Principal axes: T 1.0440,Plg7.0000° ,Azm342.0000°; N -0.1560,Plg83.0000°,Azm156.0000°; P -0.8880,Plg1.0000° ,Azm252.0000° M_o0.96600×10^{17}
ISC X 30 07 33 29.1–.53 56.5S–.10 141.3W–.10 10 4.5b,4.3s 47 28-156
ISCJB X 30 07 33 27.3–.48 56.7S–.10 141.5W–.10 10 4.5b,4.3s **¶601882357**
IDC X 30 07 33 27.9–.62 56.68S 141.46W 0 4.6,4.5b
NEIC X 30 07 33 29.3–.33 56.67S 141.47W 10 4.5b,4.5b
GCMT X 30 07 33 33.3–.20 57.00S–.02 141.38W–.02 22–1 5.0W,4.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c34; s89,c123;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.20 $M_{\theta\theta}$3.38±.19; $M_{\phi\phi}$-3.03±.15; $M_{r\theta}$1.16±.27; $M_{\theta\phi}$2.69±.11; $M_{\phi r}$0.14±.24; Best double couple: NP1:ϕ_s116.00000°,δ84.00000°,λ12.00000°. NP2:ϕ_s24.00000°,δ78.00000°,λ174.00000°. Principal axes: T 4.6200,Plg13.0000° ,Azm340.0000°; N -0.5930,Plg76.0000°,Azm141.0000°; P -4.0300,Plg4.0000° ,Azm249.0000° M_o4.32500×10^{16}
ISC XI 03 16 08 49.0–4.0 57.4S–.80 128.3W–.70 10 3.2s 7 43-146
IDC XI 03 16 08 53.3–11 54.33S 131.89W 0 3.7,3.5 **¶602388774**
ISC Event type ke.
IDC Error ellipse: s-maj=1264.0km s-min=150.2km az=152.0.
ISC XI 06 00 25 35.1–1.4 57.4S–.30 142.8W–.30 10 4.4s 10 34-152
IDC XI 06 00 25 35.2–1.2 56.44S 143.57W 0 4.2s,4.2 **¶601891437**

GCMT XI 06 00 25 36.0–.10 56.98S–.01 141.61W–.02 25–0 5.3W,4.2
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s86,c125; s113,c180;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$0.92±.02; $M_{\phi\phi}$-0.83±.02; $M_{r\theta}$0.07±.04; $M_{\theta\phi}$0.62±.02; $M_{\phi r}$0.02±.04; Best double couple: NP1: ϕ_s117.00000°,δ88.00000°,λ3.00000°. NP2:ϕ_s27.00000°,δ87.00000°,λ178.00000°. Principal axes: T 1.1170,Plg4.0000°,Azm342.0000°; N -0.0840,Plg86.0000°,Azm160.0000° ; P -1.0330,Plg0.0000°,Azm252.0000° M_o1.07500×10^{17}
ISC XI 13 00 52 34.7–.88 57.5S–.20 147.8W–.20 10 4.0b,3.8s 17 26-166
ISCJB XI 13 00 52 32.2–1.2 57.4S–.20 147.8W–.30 10 3.8s,3.8b **¶601897466**
IDC XI 13 00 52 33.2–.75 57.54S 147.70W 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.6km s-min=20.6km az=33.9.
IDC Error ellipse: s-maj=31.5km s-min=23.8km az=7.0.
ISC XI 13 01 47 50.2–1.4 57.5S–.20 148.0W–.30 10 3.7b,3.6s 11 26-151
IDC XI 13 01 47 49.3–1.3 57.43S 148.42W 0 3.7s,3.7 **¶601906735**
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=33.4km az=63.0.
ISC XI 16 06 24 43.0–.27 54.11S–.07 134.40W–.06 10 5.3s,5.2b 328 29-175
ISCJB XI 16 06 24 40.4–.23 54.10S–.05 134.67W–.09 10 5.3s,5.1b **¶601903375**
IDC XI 16 06 24 40.3–.42 53.80S 134.68W 0 5.2s,5.2
NEIC XI 16 06 24 42.0–.16 53.96S 134.76W 10 5.3s,5.3b
MOS XI 16 06 24 42.0–1.4 53.78S 134.49W 10 5.4b,5.2s
GCMT XI 16 06 24 47.0–.10 53.95S–.01 134.30W–.01 14–0 5.6W,5.2s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c210; s133,c348; Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31±.03 $M_{\theta\theta}$2.48±.04; $M_{\phi\phi}$-2.17±.03; $M_{r\theta}$0.39±.07; $M_{\theta\phi}$2.43±.03; $M_{\phi r}$0.94±.09; Best double couple: NP1:ϕ_s202.00000°,δ88.00000° ,λ-163.00000°. NP2:ϕ_s112.00000°,δ73.00000°,λ-2.00000°. Principal axes: T 3.6540,Plg11.0000°,Azm336.0000°; N -0.2740,Plg73.0000°,Azm209.0000° ; P -3.3800,Plg13.0000°,Azm68.0000° M_o3.51700×10^{17}
ISC XI 18 16 12 49.1–.96 57.2S–.20 143.1W–.20 10 4.1b,4.0s 14 28-153
IDC XI 18 16 12 48.4–.85 56.92S 143.45W 0 4.1s,4.1 **¶601910096**
GCMT XI 18 16 12 51.7–.20 56.79S–.01 142.10W–.02 27–1 5.2W,4.1
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c87; s96,c151;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.02 $M_{\theta\theta}$0.70±.02; $M_{\phi\phi}$-0.66±.02; $M_{r\theta}$0.12±.04; $M_{\theta\phi}$0.45±.01; $M_{\phi r}$0.05±.03; Best double couple: NP1:ϕ_s28.00000°,δ85.00000°,λ173.00000°. NP2:ϕ_s119.00000°,δ83.00000°,λ5.00000°. Principal axes: T 0.8500,Plg8.0000° ,Azm343.0000°; N -0.0540,Plg82.0000°,Azm171.0000°; P -0.7960,Plg1.0000°,Azm74.0000° M_o0.82300×10^{17}
ISC XI 18 16 15 11.5–2.8 56.8S–.50 142.4W–.50 10 4.1b,3.8s 8 32-153
IDC XI 18 16 15 13.2–3.1 57.02S 143.64W 0 4.1,3.9 **¶601910097**
ISC Event type ke.
IDC Error ellipse: s-maj=97.9km s-min=42.9km az=57.0.
IDC XI 19 08 40 42.3–5.5 56.38S 147.03W 0 4.1,3.8b
¶602389649
IDC Error ellipse: s-maj=889.7km s-min=104.4km az=171.0.
ISC XI 19 17 10 12.2–.52 57.4S–.10 147.5W–.10 10 4.8b,4.2s 57 26-173
ISCJB XI 19 17 10 10.3–.50 57.4S–.10 147.6W–.10 10 4.8b,4.2s **¶601992982**
IDC XI 19 17 10 11.0–.64 57.31S 147.70W 0 4.5,4.4b
NEIC XI 19 17 10 12.3–.26 57.35S 147.52W 10 5.0b,4.4b
GCMT XI 19 17 10 17.3–.30 57.80S–.02 147.47W–.03 24–1 5.1W,4.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c37; s67,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.78±.25 $M_{\theta\theta}$-0.26±.23; $M_{\phi\phi}$-0.52±.17; $M_{r\theta}$1.77±.34; $M_{\theta\phi}$4.26±.14; $M_{\phi r}$1.30±.28; Best double couple: NP1:ϕ_s94.00000°,δ74.00000°,λ23.00000°. NP2:ϕ_s357.00000°,δ68.00000°,λ162.00000°. Principal axes: T 4.9970,Plg27.0000° ,Azm317.0000°; N -0.3260,Plg62.0000°,Azm128.0000°; P -4.6710,Plg3.0000° ,Azm225.0000° M_o4.83400×10^{16}
IDC XI 19 23 55 49.1–1.3 53.68S 133.74W 0 3.9,3.7
¶602389708
IDC Error ellipse: s-maj=67.2km s-min=28.3km az=161.0.
ISC XI 19 23 59 13.9–.53 53.9S–.10 134.5W–.10 10 4.6b,4.3s 43 31-157
ISCJB XI 19 23 59 12.0–.38 54.02S–.09 134.6W–.10 10 4.4b,4.3s **¶601993053**
IDC XI 19 23 59 11.5–.61 53.61S 134.59W 0 4.4,4.3s
NEIC XI 19 23 59 13.7–.35 53.98S 134.60W 10 4.7b,4.3s
GCMT XI 19 23 59 17.7–.20 53.95S–.01 134.47W–.02 21–1 5.0W,4.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c50; s96,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.16 $M_{\theta\theta}$2.42±.18; $M_{\phi\phi}$-2.39±.14; $M_{r\theta}$0.25±.24; $M_{\theta\phi}$3.72±.11; $M_{\phi r}$0.60±.22; Best double couple: NP1:ϕ_s16.00000°,δ89.00000°,λ172.00000°. NP2:ϕ_s107.00000°,δ82.00000°,λ1.00000°. Principal axes: T 4.5020,Plg6.0000° ,Azm331.0000°; N -0.0440,Plg82.0000°,Azm191.0000°; P -4.4530,Plg5.0000°,Azm62.0000° M_o4.47700×10^{16}
ISC XI 22 17 41 38.8–.77 55.0S–.20 127.3W–.20 10 4.1b 17 33-161
ISCJB XI 22 17 41 37.2–.68 55.1S–.20 127.2W–.30 10 4.2b,3.2s **¶601993777**
IDC XI 22 17 41 37.1–.81 55.03S 127.35W 0 4.2,3.9
NEIC XI 22 17 41 38.8–.50 55.05S 127.33W 10 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=18.3km az=144.5.
IDC Error ellipse: s-maj=38.7km s-min=25.1km az=149.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=16.5km az=152.0.
IDC XII 01 16 49 45.3–19 64.92S 173.16W 0 3.7,3.4
¶602390288
IDC Error ellipse: s-maj=456.4km s-min=55.9km az=84.0.
ISC XII 03 09 27 38.5–.40 54.30S–.08 136.31W–.09 23 5.4s,5.1b 107 30-170
IDC XII 03 09 27 34.6–.55 54.41S 136.24W 0 5.2s,5.2 **¶601995948**
ISCJB XII 03 09 27 37.7–.27 54.77S–.07 136.4W–.10 23 5.4s,5.0b
NEIC XII 03 09 27 37.0–.24 54.67S 136.24W 10 5.4s,5.1b
GCMT XII 03 09 27 42.0–.10 54.50S–.01 136.20W–.01 14–0 5.6W,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c192; s134,c338; Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.03 $M_{\theta\theta}$2.39±.04; $M_{\phi\phi}$-2.10±.03; $M_{r\theta}$0.34±.07; $M_{\theta\phi}$2.23±.03; $M_{\phi r}$0.21±.06; Best double couple: NP1:ϕ_s22.00000°,δ87.00000° ,λ175.00000°. NP2:ϕ_s113.00000°,δ85.00000°,λ3.00000°. Principal axes: T 3.3520,Plg6.0000°,Azm338.0000°; N -0.3320,Plg84.0000°,Azm171.0000° ; P -3.0210,Plg1.0000°,Azm68.0000° M_o3.18600×10^{17}
ISC XII 26 23 01 57.3–.27 56.07S–.07 144.48W–.06 10 5.5b,5.2s 192 27-179
IDC XII 26 23 01 54.9–.44 55.61S 144.46W 0 5.1s,5.1 **¶602059074**
ISCJB XII 26 23 01 55.2–.20 56.17S–.05 144.56W–.06 10 5.4b,5.2s
NEIC XII 26 23 01 56.7–.18 56.19S 144.48W 10 5.5W,5.5b
BJI XII 26 23 01 57.8 56.20S 144.50W 10 5.6b,5.3s
GCMT XII 26 23 01 59.7–.10 56.08S–.01 144.40W–.01 12 5.4W,5.3s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50 $M_{\theta\theta}$2.12 $M_{\phi\phi}$-1.63 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.67 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s215.00000° ,δ86.00000°,λ-176.00000°. NP2:ϕ_s125.00000°,δ86.00000°,λ-4.00000°. Principal axes: T 2.2400,Plg0.0000°,Azm350.0000°; N -0.4900,Plg85.0000°,Azm257.0000° ; P -1.7500,Plg5.0000°,Azm80.0000° M_o2.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c168; s114,c205;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.02 $M_{\theta\theta}$1.63±.02; $M_{\phi\phi}$-1.58±.02; $M_{r\theta}$0.33±.06; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s33.00000°,δ88.00000°,λ165.00000°. NP2:ϕ_s124.00000°,δ75.00000°,λ2.00000°. Principal axes: T 1.8570,Plg12.0000° ,Azm347.0000°; N -0.0870,Plg75.0000°,Azm206.0000°; P -1.7680,Plg9.0000°,Azm79.0000° M_o1.81200×10^{17}

IDC	**XII**	**27 00 31 03.0–5.6**	**56.09S**	**145.05W**	**0**	**3.6,3.5**				
										¶602380683
IDC	Error ellipse: s-maj=664.6km s-min=77.7km az=165.0.									
IDC	**XII**	**28 00 58 22.8–4.3**	**55.82S**	**144.68W**	**0**	**4.1,3.8**				
										¶602380754
IDC	Error ellipse: s-maj=395.3km s-min=54.7km az=160.0.									

(756) Southeast of Easter Island.

ISC	**VII**	**02 21 18 14.6–.87**	**36.2S–.10**	**100.2W–.20**	**14**	**4.1b,3.4s**	**19**	**24-102**	
ISCJB	VII	02 21 18 13.0–.65	36.1S–.10	100.2W–.10	14	4.0b,3.5s			**¶601351250**
IDC	VII	02 21 18 12.4–.96	36.13S	100.14W	0	4.3,4.0			
NEIC	VII	02 21 18 13.9–.40	36.14S	100.14W	10	4.3b,4.0			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=18.0km s-min=13.3km az=142.7.								
IDC	Error ellipse: s-maj=29.4km s-min=22.4km az=79.0.								
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=8.3km az=54.0.								
GCMT	**VII**	**13 05 01 28.0–.30**	**41.33S**	**89.51W**	**17–1**	**5.0W**			
									¶601404938

GCMT Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s48,c55; s90,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88±.17 $M_{\theta\theta}$0.61±.13; $M_{\phi\phi}$0.26±.14; $M_{r\theta}$-1.31±.35; $M_{\theta\phi}$-3.97±.10; $M_{\phi r}$-0.84±.34; Best double couple: NP1:ϕ_s91.00000°,δ76.00000°,λ-159.00000°. NP2:ϕ_s356.00000°,δ70.00000°,λ-15.00000°. Principal axes: T 4.4400,Plg4.0000°,Azm223.0000°; N -0.2170,Plg65.0000°,Azm124.0000°; P -4.2230,Plg24.0000°,Azm315.0000° $M_0$4.33200×10^{16}

ISC	**VIII**	**16 13 24 45.5–.32**	**36.31S–.08**	**98.93W–.06**	**14**	**5.0s,5.0b**	**234**	**13-175**	
IDC	VIII	16 13 24 42.9–.59	36.41S	98.88W	0	4.9s,4.9			**¶601564326**
ISCJB	VIII	16 13 24 43.6–.31	36.49S–.06	98.94W–.06	14	5.1s,4.8b			
BJI	VIII	16 13 24 43.7	36.55S	99.12W	10	5.5s,5.4			
NEIC	VIII	16 13 24 44.4–.34	36.43S	98.91W	10	5.8W,5.7W			
MOS	VIII	16 13 24 44.0–1.4	36.25S	98.72W	10	5.1b,4.8s			
NEIC	VIII	16 13 24 45.0–.00	36.13S	99.00W	17	5.1b,4.8s			
GCMT	VIII	16 13 24 48.4–.10	36.39S–.01	99.15W–.01	18–0	5.7W,4.8s			
ISC	Event type se.								
ISCJB	Event type se.								

NEIC Event type se. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$0.62 $M_{r\theta}$-0.29 $M_{\theta\phi}$-4.47 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s276.00000°,δ87.00000°,λ175.00000°. NP2:ϕ_s6.00000°,δ85.00000°,λ3.00000°. Principal axes: T 4.2400,Plg5.0000°,Azm231.0000°; N 0.7200,Plg85.0000°,Azm63.0000°; P -4.9600,Plg1.0000°,Azm321.0000° $M_0$4.60000×10^{17}

NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$1.14 $M_{r\theta}$1.46 $M_{\theta\phi}$-5.02 $M_{\phi r}$1.20 Best double couple: NP1:ϕ_s276.00000°,δ75.00000°,λ-164.00000°. NP2:ϕ_s182.00000°,δ75.00000°,λ-15.00000°. Principal axes: T 5.4300,Plg0.0000°,Azm49.0000°; N 0.0500,Plg68.0000°,Azm318.0000°; P -5.4800,Plg21.0000°,Azm139.0000° $M_0$5.50000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c246; s134,c362; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.04 $M_{\theta\theta}$-0.52±.04; $M_{\phi\phi}$0.93±.04; $M_{r\theta}$0.62±.10; $M_{\theta\phi}$-4.83±.04; $M_{\phi r}$-0.79±.11; Best double couple: NP1:ϕ_s185.00000°,δ83.00000°,λ8.00000°. NP2:ϕ_s94.00000°,δ82.00000°,λ173.00000°. Principal axes: T 5.2690,Plg10.0000°,Azm49.0000°; N -0.5910,Plg80.0000°,Azm225.0000°; P -4.6770,Plg1.0000°,Azm319.0000° $M_0$4.97300×10^{17}

ISC	**VIII**	**18 22 10 54.6–.51**	**41.09S–.09**	**91.90W–.09**	**10**	**4.6b,3.8s**	**159**	**16-177**	
ISCJB	VIII	18 22 10 52.8–.39	41.05S–.07	91.5W–.10	10	4.6b,3.8s			**¶601565871**
IDC	VIII	18 22 10 52.5–.64	41.12S	91.65W	0	4.4,4.3			
NEIC	VIII	18 22 10 55.0–.41	41.10S	92.09W	10	4.6b,4.3			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.7km s-min=10.0km az=12.5.								
IDC	Error ellipse: s-maj=29.4km s-min=14.3km az=97.0.								
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=9.4km az=216.0.								
ISC	**VIII**	**27 05 20 17.7–.64**	**35.3S–.10**	**104.3W–.10**	**10**	**4.7b**	**39**	**26-154**	
ISCJB	VIII	27 05 20 15.9–.68	35.35S–.09	104.3W–.10	10	4.7b			**¶601702422**
IDC	VIII	27 05 20 16.1–1.1	35.19S	104.35W	0	4.6,4.6			
NEIC	VIII	27 05 20 17.4–.44	35.34S	104.32W	10	4.8b,4.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=15.5km s-min=12.7km az=0.9.								
IDC	Error ellipse: s-maj=34.3km s-min=18.8km az=118.0.								
NEIC	Event type se. Error ellipse: s-maj=13.2km s-min=11.3km az=185.0.								
ISC	**IX**	**12 06 31 02.2–.66**	**35.99S–.10**	**101.7W–.10**	**10**	**4.5b,3.9s**	**65**	**11-145**	
IDC	IX	12 06 30 60.0–.76	35.88S	101.89W	0	4.5,4.4b			**¶601712689**
ISCJB	IX	12 06 31 00.5–.37	36.05S–.06	101.67W–.10	10	4.4b,3.8s			
GCMT	IX	12 06 31 04.9–.40	35.96S–.02	101.64W–.02	20–1	4.9W,3.8s			
NEIC	IX	12 06 31 06.0–.40	36.03S	101.63W	35	4.5b,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.4km s-min=16.5km az=106.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.9km s-min=8.5km az=155.9.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s77,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.71±.19 $M_{\theta\theta}$-0.68±.14; $M_{\phi\phi}$1.39±.16; $M_{r\theta}$1.36±.30; $M_{\theta\phi}$-2.38±.10; $M_{\phi r}$0.14±.24; Best double couple: NP1:ϕ_s285.00000°,δ77.00000°,λ-151.00000°. NP2:ϕ_s188.00000°,δ62.00000°,λ-15.00000°. Principal axes: T 3.0630,Plg10.0000°,Azm54.0000°; N -0.1380,Plg58.0000°,Azm307.0000°; P -2.9270,Plg29.0000°,Azm150.0000° $M_0$2.99500×10^{16}

NEIC	Event type se. Error ellipse: s-maj=11.8km s-min=8.9km az=50.0.								
ISC	**X**	**03 11 43 11.5–.63**	**37.1S–.10**	**95.3W–.20**	**14**	**4.2b,3.7s**	**21**	**20-170**	
ISCJB	X	03 11 43 09.7–.58	37.20S–.10	95.3W–.20	14	4.2b,3.6s			**¶601825417**
IDC	X	03 11 43 09.5–.65	37.07S	95.37W	0	4.4,4.2b			
NEIC	X	03 11 43 10.9–.47	37.08S	95.37W	10	4.2b,4.2b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=19.0km s-min=14.1km az=168.5.								
IDC	Error ellipse: s-maj=27.8km s-min=18.7km az=103.0.								
NEIC	Event type se. Error ellipse: s-maj=18.1km s-min=16.1km az=92.0.								
ISC	**X**	**30 00 41 34.2–.57**	**36.2S–.10**	**100.2W–.10**	**14**	**4.6b,4.0s**	**54**	**12-164**	
IDC	X	30 00 41 31.9–.62	36.18S	100.35W	0	4.5,4.4			**¶601861584**
ISCJB	X	30 00 41 32.3–.38	36.22S–.06	100.27W–.10	14	4.4b,4.0s			
NEIC	X	30 00 41 33.6–.32	36.19S	100.22W	10	4.7b,4.0s			
GCMT	X	30 00 41 35.6–.40	36.29S–.02	100.15W–.02	21–1	4.9W,4.0s			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c28; s81,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.70±.14 $M_{\theta\theta}$0.29±.11; $M_{\phi\phi}$0.41±.11; $M_{r\theta}$0.33±.18; $M_{\theta\phi}$-2.55±.09; $M_{\phi r}$0.19±.17; Best double couple: NP1:ϕ_s271.00000°,δ82.00000°,λ-170.00000°. NP2:ϕ_s180.00000°,δ80.00000°,λ-8.00000°. Principal axes: T 2.9030,Plg1.0000°,Azm46.0000°; N -0.6160,Plg77.0000°,Azm309.0000°; P -2.2870,Plg13.0000°,Azm136.0000° $M_0$2.59500×10^{16}

GCMT	**X**	**31 19 54 02.0–.40**	**35.46S–.02**	**104.77W–.02**	**17–2**	**4.8W**			
									¶601891377

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s31,c34; s71,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.12 $M_{\theta\theta}$-1.11±.11; $M_{\phi\phi}$1.44±.13; $M_{r\theta}$-0.24±.27; $M_{\theta\phi}$-1.72±.09; $M_{\phi r}$-0.42±.28; Best double couple: NP1:ϕ_s18.00000°,δ85.00000°,λ-13.00000°. NP2:ϕ_s109.00000°,δ77.00000°,λ-175.00000°. Principal axes: T 2.3330,Plg6.0000°,Azm64.0000°; N -0.2680,Plg76.0000°,Azm177.0000°; P -2.0690,Plg13.0000°,Azm332.0000° $M_0$2.20100×10^{16}

ISC	**XI**	**06 11 09 33.0–.33**	**35.42S–.07**	**104.81W–.06**	**13**	**4.9s,4.7b**	**227**	**9-176**	
ISCJB	XI	06 11 09 30.4–.26	35.51S–.04	104.89W–.06	13	4.9s,4.5b			**¶601875243**
IDC	XI	06 11 09 30.3–.57	35.51S	104.84W	0	4.8L,4.7			
NEIC	XI	06 11 09 32.0–.21	35.47S	104.80W	10	5.5W,4.9s			
MOS	XI	06 11 09 31.6–1.6	35.31S	104.73W	10	4.7b,4.9s			
BJI	XI	06 11 09 34.2	35.50S	104.70W	10	5.1s,5.0			
GCMT	XI	06 11 09 35.0–.10	35.49S–.01	105.00W–.01	21–0	5.6W,5.0			
ISC	Event type se.								
ISCJB	Event type se.								

NEIC Event type se. Moment Tensor Solution. s29 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.46 $M_{r\theta}$0.13 $M_{\theta\phi}$-1.91 $M_{\phi r}$-0.28 Best double couple: NP1:ϕ_s98.00000°,δ82.00000°,λ174.00000°. NP2:ϕ_s189.00000°,δ84.00000°,λ8.00000°. Principal axes: T 1.9300,Plg10.0000°,Azm54.0000°; N 0.1800,Plg80.0000°,Azm225.0000°; P -2.1200,Plg2.0000°,Azm323.0000° $M_0$2.00000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c194; s138,c365; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.03 $M_{\theta\theta}$-0.67±.03; $M_{\phi\phi}$1.10±.03; $M_{r\theta}$0.13±.06; $M_{\theta\phi}$-2.55±.03; $M_{\phi r}$-0.70±.06; Best double couple: NP1:ϕ_s190.00000°,δ88.00000°,λ14.00000°. NP2:ϕ_s99.00000°,δ76.00000°,λ178.00000°. Principal axes: T 3.0370,Plg11.0000°,Azm55.0000°; N -0.5150,Plg76.0000°,Azm196.0000°; P -2.5270,Plg8.0000°,Azm324.0000° $M_0$2.78200×10^{17}

ISC	**XI**	**17 03 11 27.4–.64**	**37.10S–.09**	**96.0W–.10**	**10**	**4.5b,4.0s**	**77**	**15-173**	
IDC	XI	17 03 11 24.2–1.1	37.15S	96.09W	0	4.3,4.2			**¶601909900**
ISCJB	XI	17 03 11 26.6–.39	37.05S–.07	95.84W–.09	10	4.4b,4.1s			
GCMT	XI	17 03 11 28.2–.40	37.00S–.02	96.18W–.03	26–1	5.1W,4.1s			
NEIC	XI	17 03 11 29.2–.61	36.91S	95.96W	10	4.5b,4.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.7km s-min=22.4km az=22.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.0km s-min=7.8km az=137.9.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c21; s77,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.43 $M_{\theta\theta}$0.28±.27; $M_{\phi\phi}$1.78±.28; $M_{r\theta}$0.54±.48; $M_{\theta\phi}$-4.40±.17; $M_{\phi r}$1.43±.49; Best double couple: NP1:ϕ_s180.00000°,δ72.00000°,λ-28.00000°. NP2:ϕ_s279.00000°,δ64.00000°,λ-160.00000°. Principal axes: T 5.5670,Plg6.0000°,Azm231.0000°; N -1.3070,Plg58.0000°,Azm330.0000°; P -4.2630,Plg32.0000°,Azm137.0000° $M_0$4.91500×10^{16}

NEIC	Event type se. Error ellipse: s-maj=17.6km s-min=9.6km az=210.0.								
ISC	**XI**	**17 18 12 20.3–.78**	**37.12S–.05**	**95.23W–.05**	**11–4**	**5.4b,4.9s**	**1113**	**16-173**	
MOS	XI	17 18 12 18.9–1.1	37.06S	95.19W	10	5.5b,4.9s			**¶601992538**
IDC	XI	17 18 12 19.0–.36	37.17S	95.27W	0	5.1,5.0			
NEIC	XI	17 18 12 19.9–.12	37.21S	95.08W	10	5.4b,4.9s			
GCMT	XI	17 18 12 20.9–.10	37.14S–.01	95.24W–.01	12	5.4W,4.9s			
BJI	XI	17 18 12 21.0	37.20S	95.10W	10	5.5s,5.3			
ISCJB	XI	17 18 12 29.0–1.4	37.15S–.03	94.90W–.05	93–12	5.2b,5.3			
ISC	Event type se.								
NEIC	Event type se.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c159; s131,c242;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.34±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$1.54±.02; $M_{r\theta}$0.27±.05; $M_{\theta\phi}$-0.21±.02; $M_{\phi r}$-0.08±.04; Best double couple: NP1:ϕ_s341.00000°,δ48.00000°,λ-106.00000°. NP2:ϕ_s185.00000°,δ44.00000°,λ-72.00000°. Principal axes: T 1.5700,Plg2.0000°,Azm83.0000°; N -0.1700,Plg12.0000°,Azm352.0000°; P -1.3990,Plg78.0000°,Azm183.0000° $M_0$1.48500×10^{17}

ISCJB	Event type se.								
ISC	**XI**	**17 18 20 36.9–.41**	**37.04S–.08**	**95.23W–.09**	**10**	**4.8b**	**108**	**20-170**	
ISCJB	XI	17 18 20 35.3–.31	37.03S–.05	95.25W–.07	10	4.8b			**¶601909922**
IDC	XI	17 18 20 35.3–.59	37.06S	95.23W	0	4.5,4.4b			
NEIC	XI	17 18 20 37.0–.24	37.02S	95.30W	10	4.9b,4.4b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.4km s-min=7.2km az=135.4.								
IDC	Error ellipse: s-maj=20.3km s-min=16.8km az=123.0.								
NEIC	Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=61.0.								
ISC	**XI**	**17 18 43 51.2–.26**	**37.16S–.06**	**95.05W–.05**	**10**	**5.4b,4.8s**	**765**	**16-173**	
MOS	XI	17 18 43 49.8–1.3	37.09S	95.20W	10	5.4b,4.7s			**¶601909923**
IDC	XI	17 18 43 49.7–.46	37.19S	95.28W	0	4.7s,4.6			
ISCJB	XI	17 18 43 49.8–.20	37.05S–.04	95.06W–.04	10	5.3b,4.8s			
BJI	XI	17 18 43 50.3	37.23S	94.81W	10	5.5s,5.4b			
NEIC	XI	17 18 43 50.6–.15	37.18S	95.14W	10	5.4b,4.8s			
GCMT	XI	17 18 43 50.7–.20	37.17S–.01	95.20W–.01	12	5.2W,4.8s			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c82; s120,c199;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$0.87±.01; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.22±.04; Best double couple: NP1:ϕ_s333.00000°,δ56.00000°,λ-108.00000°. NP2:ϕ_s182.00000°,δ38.00000°,λ-66.00000°. Principal axes: T 0.9650,Plg9.0000°,Azm75.0000°; N -0.0280,Plg15.0000°,Azm343.0000°; P -0.9360,Plg73.0000°,Azm196.0000° $M_0$0.95100×10^{17}

ISC	**XII**	**28 14 27 07.1–.62**	**35.9S–.10**	**103.8W–.20**	**10**	**4.7b,4.3s**	**56**	**10-161**	
ISCJB	XII	28 14 27 05.8–.46	35.92S–.08	103.8W–.10	10	4.5b,4.3s			**¶602064201**
IDC	XII	28 14 27 05.2–.70	35.96S	103.94W	0	4.7,4.5b			
NEIC	XII	28 14 27 07.0–.39	36.00S	103.75W	10	4.7b,4.5b			
GCMT	XII	28 14 27 09.0–.40	35.87S–.02	103.69W–.03	20–1	4.9W,4.5b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s78,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.15 $M_{\theta\theta}$-0.15±.12; $M_{\phi\phi}$0.77±.12; $M_{r\theta}$0.37±.22; $M_{\theta\phi}$-2.27±.10; $M_{\phi r}$-0.86±.23; Best double couple: NP1:ϕ_s185.00000°,δ88.00000°,λ19.00000°. NP2:ϕ_s95.00000°,δ71.00000°,λ178.00000°. Principal axes: T 2.8630,Plg15.0000°,Azm52.0000°; N -0.8060,Plg71.0000°,Azm191.0000°; P -2.0570,Plg12.0000°,Azm319.0000° $M_0$2.46000×10^{16}

SEISMIC REGION 44.
Galapagos Area.

(693) Eastcentral Pacific Ocean.

ISC	**XII**	**16 06 04 20.4–1.6**	**13.2N–.20**	**114.6W–.30**	**10**	**3.9b**	**9**	**7-67**	
ISCJB	XII	16 06 04 18.2–1.3	13.1N–.20	114.6W–.20	10	3.9b,3.3s			**¶602391448**
IDC	XII	16 06 04 18.8–1.7	13.17N	114.61W	0	4.1,3.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=33.7km s-min=21.4km az=169.4.								
IDC	Error ellipse: s-maj=45.7km s-min=27.2km az=73.0.								

(694) Central East Pacific Rise.

ISC	**IX**	**06 23 33 07.5–.30**	**4.64S–.06**	**105.93W–.05**	**17**	**5.4s,5.2b**	**1040**	**16-159**	
IDC	IX	06 23 33 04.3–.59	4.55S	106.05W	0	5.4s,5.4			**¶601687278**
ISCJB	IX	06 23 33 05.8–.24	4.51S–.03	105.80W–.03	17	5.4s,5.2b			
MOS	IX	06 23 33 05.4–.97	4.49S	105.83W	10	5.4s,5.3b			
NEIC	IX	06 23 33 06.3–.17	4.60S	105.89W	10	5.7W,5.5s			
BJI	IX	06 23 33 08.0	4.60S	105.90W	15	5.9s,5.7			
GCMT	IX	06 23 33 09.3–.10	4.49S–.01	105.99W–.01	16–0	5.8W,5.7			
ISC	Event type se.								
ISCJB	Event type se.								

NEIC Event type se. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.62 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.49 $M_{\theta\phi}$4.50 $M_{\phi r}$0.58 Best double couple: NP1:ϕ_s359.00000°,δ82.00000°,λ171.00000°. NP2:ϕ_s90.00000°,δ82.00000°,λ8.00000°. Principal axes: T 4.3500,Plg11.0000°,Azm314.0000°; N 0.4600,Plg79.0000°,Azm137.0000°; P -4.8100,Plg1.0000°,Azm44.0000° $M_0$4.60000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c254; s146,c422; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.05 $M_{\theta\theta}$2.08±.05; $M_{\phi\phi}$-1.81±.05; $M_{r\theta}$0.35±.13; $M_{\theta\phi}$5.20±.05; $M_{\phi r}$0.81±.15; Best double couple: NP1:ϕ_s10.00000°,δ89.00000°,λ171.00000°. NP2:ϕ_s100.00000°,δ81.00000°,λ1.00000°. Principal axes: T 5.7800,Plg7.0000°,Azm325.0000°; N -0.3200,Plg81.0000°,Azm182.0000°; P -5.4600,Plg5.0000°,Azm56.0000° $M_0$5.62000×10^{17}

ISC	**IX**	**07 00 38 10.6–1.2**	**4.9S–.20**	**106.1W–.20**	**10**	**4.3s,4.0b**	**17**	**25-152**	
ISCJB	IX	07 00 38 09.5–1.6	4.9S–.20	106.0W–.20	10	4.2s,3.9b			**¶601712325**
IDC	IX	07 00 38 09.0–1.1	4.94S	106.11W	0	4.3s,4.3			
NEIC	IX	07 00 38 10.7–.85	4.94S	106.07W	10	4.1b,4.3			
GCMT	IX	07 00 38 15.7–.30	4.50S–.02	105.91W–.02	18–1	5.1W,4.3			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s105,c159;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52±.17 $M_{\theta\theta}$1.90±.15; $M_{\phi\phi}$-1.38±.15; $M_{r\theta}$2.49±.44; $M_{\theta\phi}$4.20±.14; $M_{\phi r}$1.13±.38; Best double couple: NP1:ϕ_s102.00000°,δ81.00000°,λ23.00000°. NP2:ϕ_s8.00000°,δ67.00000°,λ170.00000°. Principal axes: T 5.9020,Plg23.0000°,Azm327.0000°; N -1.5820,Plg65.0000°,Azm123.0000°; P -4.3230,Plg9.0000°,Azm233.0000° $M_0$5.11200×10^{16}

ISC	**IX**	**07 06 22 22.8–2.1**	**4.4S–.30**	**106.0W–.30**	**17**	**3.9b,3.6s**	**8**	**23-152**	
IDC	IX	07 06 22 19.9–1.9	4.43S	106.10W	0	4.1,3.8			**¶601863103**

ISC Event type ke.
IDC Error ellipse: s-maj=50.8km s-min=38.4km az=37.0.
ISC IX 07 09 27 10.2–.59 4.65S–.10 105.9W–.10 17 4.6b,4.1s 278 24-152
IDC IX 07 09 27 07.3–.82 4.62S 105.96W 0 4.4,4.3 **¶601692021**
ISCJB IX 07 09 27 08.2–.57 4.76S–.07 105.74W–.05 17 4.5b,4.0s
NEIC IX 07 09 27 09.1–.38 4.72S 105.76W 10 4.6b,4.0s
GCMT IX 07 09 27 13.1–.30 4.50S–.02 105.88W–.02 20–1 4.9W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s90,c128;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.12 $M_{\theta\theta}$0.70±.10; $M_{\phi\phi}$-1.22±.11; $M_{r\theta}$0.53±.21; $M_{\theta\phi}$2.86±.10; $M_{\phi r}$0.33±.20; Best double couple: NP1:ϕ_s100.00000°,δ80.00000°,λ11.00000°. NP2:ϕ_s8.00000°,δ79.00000°,λ170.00000°. Principal axes: T 2.9180,Plg15.0000° ,Azm324.0000°; N 0.3560,Plg75.0000°,Azm142.0000°; P -3.2780,Plg1.0000°,Azm234.0000° M_o3.09800×10^{16}
ISC IX 22 01 39 49.7–.98 9.3S–.20 109.4W–.20 10 4.5b,3.8s 170 18-151
ISCJB IX 22 01 39 43.9–1.2 9.9S–.20 108.73W–.09 10 4.5b,3.8s **¶601736483**
IDC IX 22 01 39 50.5–1.3 8.94S 109.12W 0 4.3,4.1
NEIC IX 22 01 39 51.1–.67 9.19S 109.00W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=12.2km az=9.7.
IDC Error ellipse: s-maj=51.8km s-min=20.3km az=52.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.7km az=63.0.
IDC IX 22 07 38 00.1–5.2 9.02S 109.25W 0 4.4,4.1
¶601736507
IDC Error ellipse: s-maj=253.0km s-min=51.3km az=107.0.
IDC X 05 15 10 14.8–6.9 2.18S 106.72W 0 3.9,3.5
¶601997164
IDC Error ellipse: s-maj=316.5km s-min=60.6km az=111.0.
ISC XI 07 08 21 22.0–1.1 6.3S–.20 106.9W–.30 10 4.2b,4.0s 56 21-89
IDC XI 07 08 21 19.2–2.5 6.31S 107.06W 0 4.3,4.0 **¶601906724**
ISCJB XI 07 08 21 20.4–.83 6.3S–.10 106.8W–.20 10 4.2b,4.0s
NEIC XI 07 08 21 22.0–.80 6.30S 106.76W 10 4.3b,4.0s
GCMT XI 07 08 21 22.0–.40 6.23S–.02 107.18W–.03 27–1 4.9W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c27; s68,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46±.17 $M_{\theta\theta}$1.43±.14; $M_{\phi\phi}$-0.97±.16; $M_{r\theta}$1.26±.26; $M_{\theta\phi}$2.36±.10; $M_{\phi r}$-0.56±.23; Best double couple: NP1:ϕ_s281.00000°,δ82.00000°,λ-28.00000°. NP2:ϕ_s15.00000°,δ62.00000°,λ-171.00000°. Principal axes: T 3.0630,Plg13.0000° ,Azm331.0000°; N -0.1090,Plg61.0000°,Azm87.0000°; P -2.9580,Plg25.0000° ,Azm235.0000° M_o3.01000×10^{16}
ISC XI 07 10 25 57.4–.52 9.14S–.08 109.01W–.10 10 4.6b,4.3s 78 18-151
ISCJB XI 07 10 25 56.0–.37 9.11S–.05 108.93W–.07 10 4.5b,4.3s **¶601877580**
IDC XI 07 10 25 56.4–1.3 8.92S 108.88W 0 4.3s,4.3
NEIC XI 07 10 25 57.4–.37 9.17S 108.95W 10 4.6b,4.3
GCMT XI 07 10 25 59.4–.20 9.05S–.01 108.92W–.01 18–1 5.1W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c79; s112,c187;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58±.12 $M_{\theta\theta}$1.51±.11; $M_{\phi\phi}$-0.92±.12; $M_{r\theta}$0.85±.25; $M_{\theta\phi}$4.75±.10; $M_{\phi r}$-0.56±.27; Best double couple: NP1:ϕ_s276.00000°,δ83.00000°,λ-11.00000°. NP2:ϕ_s8.00000°,δ79.00000°,λ-173.00000°. Principal axes: T 5.2150,Plg3.0000° ,Azm323.0000°; N -0.3820,Plg77.0000°,Azm67.0000°; P -4.8300,Plg13.0000° ,Azm232.0000° M_o5.02300×10^{16}
IDC XI 07 10 46 02.4–2.2 9.22S 108.36W 0 4.3,4.0
¶601877581
IDC Error ellipse: s-maj=56.3km s-min=49.6km az=172.0.
ISC XI 07 10 46 41.5–.40 8.93S–.07 108.74W–.09 15 5.1b 670 18-152
IDC XI 07 10 46 38.8–.74 8.90S 108.98W 0 4.6,4.3 **¶602388956**
ISCJB XI 07 10 46 39.7–.29 8.91S–.04 108.58W–.04 15 5.0b,4.3s
GCMT XI 07 10 46 40.8–.30 9.14S–.02 109.00W–.02 13–1 5.0W,4.3s
NEIC XI 07 10 46 40.8–.19 8.96S 108.73W 10 5.1b,4.3s
BJI XI 07 10 46 41.0 8.90S 108.70W 10 5.5b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=19.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=5.0km az=22.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c29; s72,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.43±.21 $M_{\theta\theta}$1.93±.14; $M_{\phi\phi}$0.50±.15; $M_{r\theta}$-1.12±.38; $M_{\theta\phi}$2.48±.09; $M_{\phi r}$0.94±.41; Best double couple: NP1:ϕ_s82.00000°,δ57.00000°,λ-48.00000°. NP2:ϕ_s203.00000°,δ52.00000°,λ-136.00000°. Principal axes: T 3.8150,Plg3.0000° ,Azm144.0000°; N -0.3850,Plg34.0000°,Azm236.0000°; P -3.4280,Plg55.0000° ,Azm49.0000° M_o3.62200×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=74.0.
ISC XI 26 00 17 15.8–.29 9.04S–.06 108.38W–.06 15 5.2s,5.1b 820 18-155
IDC XI 26 00 17 12.7–.71 8.92S 108.54W 0 5.0s,5.0 **¶601994466**
ISCJB XI 26 00 17 13.8–.19 9.00S–.03 108.23W–.03 15 5.1s,5.1b
MOS XI 26 00 17 13.8–1.0 8.97S 108.33W 10 5.2b,5.1s
NEIC XI 26 00 17 14.9–.20 9.10S 108.33W 10 5.4W,5.2s
GCMT XI 26 00 17 17.9–.10 9.09S–.01 108.51W–.01 15 5.5W,5.2s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$0.90 $M_{\phi\phi}$-0.81 $M_{r\theta}$-0.36 $M_{\theta\phi}$1.40 $M_{\phi r}$-0.24 Best double couple: NP1:ϕ_s195.00000° ,δ82.00000°,λ170.00000°. NP2:ϕ_s287.00000°,δ80.00000°,λ8.00000°. Principal axes: T 1.7800,Plg13.0000°,Azm151.0000°; N -0.1900,Plg77.0000°,Azm336.0000° ; P -1.5900,Plg1.0000°,Azm241.0000° M_o1.70000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c186; s137,c259;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.03 $M_{\theta\theta}$1.15±.03; $M_{\phi\phi}$-0.90±.03; $M_{r\theta}$-0.19±.07; $M_{\theta\phi}$2.01±.02; $M_{\phi r}$0.14±.08; Best double couple: NP1:ϕ_s103.00000°,δ87.00000°,λ-6.00000°. NP2:ϕ_s194.00000°,δ84.00000°,λ-177.00000°. Principal axes: T 2.3820,Plg2.0000° ,Azm149.0000°; N -0.2190,Plg83.0000°,Azm255.0000°; P -2.1610,Plg7.0000°,Azm58.0000° M_o2.27200×10^{17}
ISC XII 17 17 41 32.6–.30 4.04S–.06 104.36W–.06 10 5.6s,5.1b 724 22-168
IDC XII 17 17 41 30.6–.57 4.10S 104.44W 0 5.5s,5.5 **¶602046727**
MOS XII 17 17 41 31.8–1.1 3.98S 104.45W 10 5.4s,5.2b
ISCJB XII 17 17 41 31.1–.23 4.09S–.03 104.39W–.03 10 5.6s,5.0b
NEIC XII 17 17 41 32.3–.23 4.18S 104.50W 10 5.9W,5.8W
NEIC XII 17 17 41 36.0–.00 4.21S 104.32W 19 5.9W,5.8W
GCMT XII 17 17 41 38.3–.10 3.96S–.01 104.35W–.01 16–0 5.9W,5.8W
BJI XII 17 17 41 39.0 4.10S 104.40W 36 5.8s,5.7
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=57.0.
MOS Error ellipse: s-maj=13.1km s-min=5.7km az=98.3.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=143.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=63.0. Moment Tensor Solution. s69 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-0.16 $M_{r\theta}$-1.04 $M_{\theta\phi}$5.67 $M_{\phi r}$0.53 Best double couple: NP1:ϕ_s181.00000°,δ80.00000°,λ-176.00000°. NP2:ϕ_s90.00000° ,δ86.00000°,λ-10.00000°. Principal axes: T 5.5800,Plg4.0000°,Azm136.0000° ; N 0.4100,Plg79.0000°,Azm247.0000°; P -5.9900,Plg10.0000°,Azm45.0000° M_o5.80000×10^{17}
NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.42 $M_{\theta\phi}$7.50 $M_{\phi r}$2.82 Best double couple: NP1:ϕ_s184.00000° ,δ84.00000°,λ-159.00000°. NP2:ϕ_s92.00000°,δ69.00000°,λ-6.00000°. Principal axes: T 8.2300,Plg10.0000°,Azm316.0000°; N -0.3000,Plg68.0000°,Azm198.0000° ; P -7.9400,Plg18.0000°,Azm49.0000° M_o8.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s127,c258; s136,c451; Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49±.07 $M_{\theta\theta}$0.61±.07; $M_{\phi\phi}$-0.11±.08; $M_{r\theta}$0.61±.20; $M_{\theta\phi}$9.04±.07; $M_{\phi r}$0.05±.21; Best double couple: NP1:ϕ_s91.00000°,δ90.00000° ,λ4.00000°. NP2:ϕ_s1.00000°,δ86.00000°,λ180.00000°. Principal axes: T 9.3180,Plg3.0000° ,Azm316.0000°; N -0.5000,Plg86.0000°,Azm92.0000°; P -8.8180,Plg3.0000°,Azm226.0000° M_o9.06800×10^{17}

IDC XII 17 17 46 20.7–11 3.21S 104.62W 0 4.0,3.7
¶602046728
IDC Error ellipse: s-maj=301.5km s-min=146.0km az=135.0.
ISC XII 17 17 46 48.5–.36 3.99S–.07 104.06W–.08 18 5.0b 463 14-153
IDC XII 17 17 46 44.7–.53 3.99S 104.16W 0 5.5s,5.5 **¶602391559**
MOS XII 17 17 46 46.3–1.6 3.85S 104.10W 10 5.2b,5.5
NEIC XII 17 17 46 46.6–.24 4.03S 104.18W 10 5.7W,5.1b
ISCJB XII 17 17 46 47.0–.25 3.96S–.03 104.08W–.04 18 5.0s,4.9b
GCMT XII 17 17 46 50.6–.20 3.98S–.01 104.23W–.01 21–1 5.7W,4.9b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.98 $M_{r\theta}$-1.02 $M_{\theta\phi}$3.43 $M_{\phi r}$0.74 Best double couple: NP1:ϕ_s172.00000° ,δ79.00000°,λ-169.00000°. NP2:ϕ_s80.00000°,δ79.00000°,λ-11.00000°. Principal axes: T 3.4400,Plg0.0000°,Azm306.0000°; N 0.7100,Plg74.0000°,Azm215.0000° ; P -4.1600,Plg16.0000°,Azm36.0000° M_o3.90000×10^{17}
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c109; s128,c321;Duration: 1s8
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.11 $M_{\theta\theta}$0.75±.09; $M_{\phi\phi}$-0.67±.10; $M_{r\theta}$0.86±.20; $M_{\theta\phi}$5.04±.09; $M_{\phi r}$-0.71±.19; Best double couple: NP1:ϕ_s273.00000°,δ83.00000°,λ-10.00000°. NP2:ϕ_s5.00000°,δ80.00000°,λ-173.00000°. Principal axes: T 5.1330,Plg2.0000° ,Azm319.0000°; N 0.1570,Plg78.0000°,Azm59.0000°; P -5.2890,Plg12.0000°,Azm229.0000° M_o5.21100×10^{17}
ISC XII 17 17 49 07.2–1.1 4.0S–.20 104.2W–.20 18 4.8b 37 23-153
ISCJB XII 17 17 49 04.8–1.1 4.1S–.10 104.4W–.10 18 4.6b **¶602374054**
IDC XII 17 17 49 04.9–1.3 4.03S 104.29W 0 4.4,4.3
NEIC XII 17 17 49 05.5–.75 4.07S 104.26W 10 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=12.6km az=136.4.
IDC Error ellipse: s-maj=35.3km s-min=20.2km az=52.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.9km az=51.0.
IDC XII 17 18 09 13.9–8.8 3.38S 103.38W 0 4.0,3.6
¶602391562
IDC Error ellipse: s-maj=191.6km s-min=147.6km az=148.0.
ISC XII 31 04 49 01.3–.79 4.5S–.10 105.2W–.20 13 4.2b,3.9s 36 23-153
IDC XII 31 04 48 59.0–1.0 4.69S 105.31W 0 4.1,4.0 **¶602092449**
ISCJB XII 31 04 48 59.9–.74 4.5S–.10 105.1W–.20 13 4.0b,4.0s
NEIC XII 31 04 49 00.7–.45 4.58S 105.22W 10 4.4b,4.0s
GCMT XII 31 04 49 03.7–.60 4.58S–.03 104.83W–.03 19–2 4.8W,4.0s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s68,c87;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.12 $M_{\theta\theta}$0.82±.10; $M_{\phi\phi}$-0.39±.10; $M_{r\theta}$0.26±.23; $M_{\theta\phi}$2.03±.10; $M_{\phi r}$-0.26±.21; Best double couple: NP1:ϕ_s278.00000°,δ82.00000°,λ-10.00000°. NP2:ϕ_s9.00000°,δ80.00000°,λ-171.00000°. Principal axes: T 2.3350,Plg1.0000° ,Azm323.0000°; N -0.3460,Plg77.0000°,Azm58.0000°; P -1.9890,Plg13.0000° ,Azm233.0000° M_o2.16200×10^{16}

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IDC XI 16 14 44 31.0–8.7 2.55N 96.80W 0 3.8,3.6
¶602389517
IDC Error ellipse: s-maj=238.9km s-min=152.5km az=89.0.
IDC XI 29 23 40 17.0–8.6 1.81N 99.16W 0 4.0,3.7
¶602390202
IDC Error ellipse: s-maj=657.5km s-min=45.3km az=92.0.
ISC XII 29 21 33 37.3–1.4 1.9N–.30 98.1W–.30 10 3.6b 9 28-126
ISCJB XII 29 21 33 35.1–2.7 1.8N–.50 98.2W–.50 10 3.8b **¶602092443**
IDC XII 29 21 33 35.8–1.2 1.93N 98.13W 0 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=95.0km s-min=17.7km az=44.9.
IDC Error ellipse: s-maj=46.9km s-min=20.2km az=49.0.
ISC XII 29 21 37 02.0–.82 1.7N–.10 98.1W–.10 10 4.5b,4.0s 90 15-141
ISCJB XII 29 21 36 59.9–.78 1.6N–.10 98.22W–.08 10 4.5b,4.1s **¶602064908**
NEIC XII 29 21 37 02.6–.50 1.71N 98.16W 10 4.5b,4.1s
IDC XII 29 21 37 02.8–1.1 2.07N 97.79W 0 4.4,4.2
GCMT XII 29 21 37 07.7–.50 2.15N–.03 97.16W–.04 22–1 5.0W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s81,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.76±.28 $M_{\theta\theta}$4.04±.21; $M_{\phi\phi}$-0.28±.18; $M_{r\theta}$-0.38±.28; $M_{\theta\phi}$-1.00±.11; $M_{\phi r}$-1.86±.27; Best double couple: NP1:ϕ_s305.00000°,δ50.00000°,λ-57.00000°. NP2:ϕ_s80.00000°,δ50.00000°,λ-123.00000°. Principal axes: T 4.2590,Plg0.0000° ,Azm12.0000°; N 0.3700,Plg25.0000°,Azm103.0000°; P -4.6320,Plg65.0000°,Azm282.0000° M_o4.44500×10^{16}
ISC XII 29 21 42 56.0–1.4 2.0N–.30 97.8W–.30 10 3.9b 10 25-126
ISCJB XII 29 21 42 54.8–2.2 2.1N–.40 97.7W–.40 10 4.4s,3.9b **¶602380858**
IDC XII 29 21 42 54.3–1.1 1.97N 97.84W 0 4.5s,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=84.6km s-min=15.0km az=138.1.
IDC Error ellipse: s-maj=46.5km s-min=17.6km az=50.0.
ISC XII 29 21 47 28.2–.70 2.1N–.10 97.7W–.10 10 4.5b,4.2s 115 15-154
ISCJB XII 29 21 47 26.9–.63 2.13N–.09 97.61W–.09 10 4.5b,4.2s **¶602064909**
IDC XII 29 21 47 26.3–.82 1.96N 97.91W 0 4.3,4.2
NEIC XII 29 21 47 27.9–.33 2.03N 97.71W 10 4.5b,4.2
GCMT XII 29 21 47 32.0–.40 2.13N–.02 97.06W–.04 19–1 5.0W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c19; s69,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.32±.27 $M_{\theta\theta}$3.84±.21; $M_{\phi\phi}$-0.51±.16; $M_{r\theta}$-1.59±.40; $M_{\theta\phi}$-0.54±.11; $M_{\phi r}$-2.32±.40; Best double couple: NP1:ϕ_s68.00000°,δ62.00000°,λ-122.00000°. NP2:ϕ_s302.00000°,δ41.00000°,λ-45.00000°. Principal axes: T 4.1780,Plg12.0000° ,Azm181.0000°; N 0.7680,Plg28.0000°,Azm84.0000°; P -4.9400,Plg59.0000°,Azm291.0000° M_o4.55900×10^{16}
ISC XII 29 21 51 02.2–1.6 2.0N–.30 97.8W–.30 10 3.9b 8 25-127
IDC XII 29 21 51 00.8–1.4 2.04N 97.73W 0 4.3,4.0 **¶602380860**
ISCJB XII 29 21 51 01.3–2.7 2.1N–.50 97.7W–.50 10 3.9b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC XII 29 23 01 53.6–6.7 1.71N 96.69W 0 4.1,3.8
¶602380862
IDC Error ellipse: s-maj=172.4km s-min=131.2km az=77.0.

(696) Galapagos Islands region.
ISC VII 11 14 34 24.8–.68 1.60N–.09 90.9W–.10 10 4.3b,3.5s 34 2-132
IDC VII 11 14 34 23.9–.88 1.56N 90.92W 0 4.3,4.1 **¶601263770**
ISCJB VII 11 14 34 24.3–.50 1.77N–.07 90.71W–.09 10 4.2b,3.4s
NEIC VII 11 14 34 25.5–.38 1.69N 90.77W 10 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=15.8km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.0km az=57.0.
ISC VII 11 15 15 47.3–.31 1.67N–.05 90.84W–.06 10 5.1b,4.7s 832 2-158
ISCJB VII 11 15 15 45.9–.23 1.66N–.03 90.83W–.02 10 5.0b,4.7s **¶601263773**
IDC VII 11 15 15 46.3–.49 1.65N 90.84W 0 4.6,4.5
MOS VII 11 15 15 46.6–1.1 1.80N 90.68W 10 5.2b,4.5
NEIC VII 11 15 15 47.0–.21 1.58N 90.86W 10 5.1b,4.5
BJI VII 11 15 15 47.4 1.60N 90.90W 10 5.4b,5.2s
GCMT VII 11 15 15 47.0–.20 1.71N 90.92W 12 5.3W,5.2s
IGQ VII 11 15 15 55.4–.78 2N–4.0 91W–7.0 82–11 5.3b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s65,c90; s106,c182;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.01 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$0.35±.02; $M_{r\theta}$-0.04±.04; $M_{\theta\phi}$-0.82±.01; $M_{\phi r}$-0.30±.04; Best double couple: NP1:ϕ_s352.00000°,δ66.00000°,λ-40.00000°. NP2:ϕ_s101.00000°

,δ54.00000°,λ-150.00000°. Principal axes: T 1.1220,Plg7.0000°,Azm49.0000° ; N -0.3350,Plg45.0000°,Azm146.0000°; P -0.7870,Plg45.0000°,Azm312.0000° $M_0$0.95400×10^{17}

IDC VII 11 15 21 23.2–9.6 1.29N 90.11W 0 3.8,3.5 ¶601664430

IDC Error ellipse: s-maj=323.5km s-min=183.4km az=51.0.

ISC VII 11 15 22 34.6–.67 1.6N–.10 90.9W–.20 10 4.1b 22 2-158
ISCJB VII 11 15 22 33.6–.62 1.65N–.10 90.8W–.20 10 4.0b **¶601405504**
IDC VII 11 15 22 33.4–.80 1.58N 90.86W 0 4.2,4.0
NEIC VII 11 15 22 34.6–.44 1.56N 90.89W 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=9.3km az=153.2.
IDC Error ellipse: s-maj=38.9km s-min=15.8km az=51.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=8.0km az=63.0.

IDC VIII 31 17 44 41.5–7.9 2.02N 92.56W 0 3.9,3.6 ¶601755765

IDC Error ellipse: s-maj=209.1km s-min=135.5km az=42.0.

ISC VIII 31 17 47 39.7–1.0 2.2N–.10 95.6W–.20 10 4.3b 64 17-72
IDC VIII 31 17 47 38.0–1.4 2.15N 95.62W 0 4.1,3.8 **¶601755767**
ISCJB VIII 31 17 47 38.5–.72 2.3N–.10 95.5W–.10 10 4.2b,3.8
NEIC VIII 31 17 47 40.1–.67 2.27N 95.57W 10 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=21.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=8.9km az=42.8.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.0km az=221.0.

ISC VIII 31 18 37 45.1–1.3 2.56N–.05 95.33W–.06 9–8 5.0s,5.0b 986 6-155
ISCJB VIII 31 18 37 43.9–.20 2.60N–.03 95.24W–.02 10 5.0b,4.9s **¶601667578**
IDC VIII 31 18 37 43.2–.50 2.50N 95.49W 0 4.9,4.9s
NEIC VIII 31 18 37 45.0–.15 2.53N 95.26W 10 5.0b,4.9s
BJI VIII 31 18 37 46.3 2.50N 95.20W 11 5.5b,5.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=26.7.
IDC Error ellipse: s-maj=19.2km s-min=11.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=225.0.

ISC VIII 31 18 46 47.6–2.5 2.9N–.30 94.3W–.30 10 4.1b 21 21-126
IDC VIII 31 18 46 45.6–3.3 2.85N 94.30W 0 4.2,3.8 **¶601755781**
NEIC VIII 31 18 46 47.4–1.9 2.87N 94.28W 10 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=190.4km s-min=61.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=25.3km az=4.0.

ISC VIII 31 19 24 43.1–.56 2.59N–.08 95.35W–.10 10 4.7b,4.4s 235 6-155
ISCJB VIII 31 19 24 42.0–.36 2.68N–.05 95.23W–.05 10 4.6b,4.3s **¶601755789**
IDC VIII 31 19 24 42.0–.73 2.61N 95.47W 0 4.5,4.5s
NEIC VIII 31 19 24 43.2–.33 2.61N 95.27W 10 4.7b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=43.3.
IDC Error ellipse: s-maj=30.1km s-min=13.0km az=50.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.7km az=45.0.

IDC VIII 31 19 26 18.3–7.0 2.00N 94.80W 0 4.5s,4.5 ¶601755790

IDC Error ellipse: s-maj=195.1km s-min=133.7km az=65.0.

IDC VIII 31 20 02 26.5–3.9 1.21N 94.36W 0 3.9,3.6 ¶601755793

IDC Error ellipse: s-maj=294.9km s-min=37.7km az=83.0.

ISC IX 03 16 36 43.0–.65 2.43N–.09 95.49W–.09 10 4.7b,3.9s 460 13-155
ISCJB IX 03 16 36 42.6–.43 2.54N–.05 95.37W–.03 10 4.6b,4.0s **¶601672872**
IDC IX 03 16 36 42.1–.73 2.45N 95.50W 0 4.5,4.3
NEIC IX 03 16 36 43.2–.30 2.44N 95.41W 10 4.7b,4.3
GCMT IX 03 16 36 46.2–.40 2.67N–.02 95.33W–.04 12 4.9W,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c22; s74,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.53±.12 $M_{\theta\theta}$2.22±.09; $M_{\phi\phi}$-0.68±.13; $M_{r\theta}$0.96±.30; $M_{\theta\phi}$1.14±.09; $M_{\phi r}$0.77±.47; Best double couple: NP1:ϕ_s231.00000°,δ63.00000°,λ-115.00000°. NP2:ϕ_s97.00000°,δ36.00000°,λ-50.00000°. Principal axes: T 2.9200,Plg15.0000° ,Azm339.0000°; N -0.9060,Plg22.0000°,Azm243.0000°; P -2.0040,Plg63.0000° ,Azm100.0000° $M_0$2.46200×10^{16}

ISC X 06 09 55 36.9–.87 1.1N–.10 90.6W–.20 10 3.9b 15 11-102
ISCJB X 06 09 55 35.3–.70 1.0N–.10 90.7W–.10 10 3.8b,2.9s **¶601997258**
IDC X 06 09 55 35.5–.98 1.08N 90.57W 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=8.9km az=139.2.
IDC Error ellipse: s-maj=36.1km s-min=14.3km az=49.0.

ISC X 12 02 34 59.5–.49 1.57N–.07 90.73W–.08 10 4.4b 104 2-158
IDC X 12 02 34 57.6–.60 1.63N 90.85W 0 5.0,5.0s **¶601828939**
ISCJB X 12 02 34 58.3–.32 1.57N–.05 90.67W–.05 10 5.3s,4.3b
NEIC X 12 02 34 59.8–.29 1.53N 90.73W 10 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=138.8.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.7km az=50.0.

ISC X 12 04 31 03.1–.66 1.63N–.08 90.82W–.10 10 4.3b,4.1s 97 2-123
ISCJB X 12 04 31 02.0–.36 1.64N–.05 90.69W–.05 10 4.2b,4.2s **¶601828942**
IDC X 12 04 31 01.1–1.0 1.64N 90.81W 0 4.4,4.2
NEIC X 12 04 31 03.5–.36 1.62N 90.72W 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=38.7.
IDC Error ellipse: s-maj=44.4km s-min=16.3km az=56.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.6km az=53.0.

ISC X 15 15 19 21.0–.75 1.54N–.10 91.1W–.10 10 4.5b,3.7s 42 2-158
ISCJB X 15 15 19 19.5–.59 1.63N–.08 90.99W–.09 10 4.4b,3.8s **¶601834639**
IDC X 15 15 19 19.6–1.1 1.56N 91.15W 0 4.1,3.9
NEIC X 15 15 19 20.7–.39 1.54N 91.07W 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=7.5km az=139.6.
IDC Error ellipse: s-maj=40.2km s-min=21.1km az=46.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.2km az=53.0.

IDC XI 14 21 13 13.4–1.6 2.37N 95.57W 0 4.2,4.1 ¶602389406

IDC Error ellipse: s-maj=53.7km s-min=20.7km az=35.0.

ISC XI 14 22 17 28.3–1.7 2.8N–.30 95.1W–.30 10 3.9b,3.9s 9 12-155
IDC XI 14 22 17 26.5–1.7 2.72N 95.09W 0 4.1s,4.1 **¶602389413**
ISCJB XI 14 22 17 27.2–1.6 2.8N–.30 95.0W–.20 10 4.0s,3.8b
GCMT XI 14 22 17 31.0–.40 2.94N–.03 94.68W–.03 19–1 5.1W,3.8b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s77,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.00±.33 $M_{\theta\theta}$3.40±.24; $M_{\phi\phi}$-0.39±.22; $M_{r\theta}$3.11±.49; $M_{\theta\phi}$0.98±.16; $M_{\phi r}$-2.38±.64; Best double couple: NP1:ϕ_s289.00000°,δ71.00000° ,λ-64.00000°. NP2:ϕ_s53.00000°,δ32.00000°,λ-142.00000°. Principal axes: T 4.6620,Plg22.0000°,Azm360.0000°; N 0.8910,Plg25.0000°,Azm100.0000° ; P -5.5490,Plg56.0000°,Azm233.0000° $M_0$5.10500×10^{16}

IDC XI 14 23 01 47.6–6.5 2.08N 94.61W 0 3.9,3.6 ¶602389414

IDC Error ellipse: s-maj=232.8km s-min=126.9km az=63.0.

(697) Galapagos Islands.

IDC VII 11 15 44 27.1–7.4 0.22N 91.01W 0 4.0,3.6 ¶601664433

IDC Error ellipse: s-maj=372.6km s-min=142.8km az=60.0.

(757) Galapagos Triple Junction region.

IDC XII 29 16 53 23.6–2.1 1.94N 101.91W 0 4.0,3.8 ¶602380847

IDC Error ellipse: s-maj=90.3km s-min=29.1km az=58.0.

SEISMIC REGION 45.
Macquarie Loop.

(701) West of Macquarie Island.

ISC VII 04 00 04 00.9–.38 59.09S–.07 148.65E–.10 10 4.6s,4.4b 91 7-158
BJI VII 04 00 03 57.8 58.89S 150.13E 5 5.2b,5.1b **¶601237331**
IDC VII 04 00 03 58.8–.56 59.06S 148.79E 0 4.5,4.5s
NEIC VII 04 00 03 60.0–.95 59.05S 149.25E 10–5 4.6b,4.5s
GCMT VII 04 00 04 00.0–.10 58.93S 148.95E 13–1 5.4W,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=14.2km az=95.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.9km az=95.0.
GCMT Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s101,c155; s112,c214; Duration: 1ꜱ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.02 $M_{\theta\theta}$0.70±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$-0.32±.05; $M_{\theta\phi}$-1.11±.02; $M_{\phi r}$-0.07±.04; Best double couple: NP1:ϕ_s254.00000° ,δ89.00000°,λ166.00000°. NP2:ϕ_s344.00000°,δ76.00000°,λ1.00000°. Principal axes: T 1.3530,Plg11.0000°,Azm208.0000°; N 0.0040,Plg76.0000°,Azm70.0000° ; P -1.3570,Plg9.0000°,Azm300.0000° $M_0$1.35500×10^{17}

ISC VII 04 06 51 13.7–1.2 56.3S–.20 146.8E–.70 10 3.8b,3.5s 11 20-151
IDC VII 04 06 51 12.3–1.3 56.32S 146.74E 0 4.0,3.8 **¶601663461**
ISC Event type ke.
IDC Error ellipse: s-maj=106.6km s-min=19.3km az=82.0.

IDC VII 11 08 40 48.9–32 54.75S 141.56E 0 4.0,3.8b ¶601664419

IDC Error ellipse: s-maj=589.9km s-min=159.7km az=139.0.

IDC VII 18 12 20 17.1–3.0 55.24S 147.69E 0 3.7,3.5 ¶601664785

IDC Error ellipse: s-maj=266.9km s-min=22.9km az=77.0.

IDC VII 18 12 49 10.3–2.6 55.61S 144.96E 0 3.8,3.6 ¶601664786

IDC Error ellipse: s-maj=306.9km s-min=22.1km az=79.0.

ISC VII 31 05 19 50.9–1.2 56.2S–.20 147.9E–.70 10 3.9b,3.4s 12 19-152
IDC VII 31 05 19 49.5–1.6 56.19S 147.75E 0 4.0,3.9 **¶601650804**
ISC Event type ke.
IDC Error ellipse: s-maj=139.1km s-min=17.7km az=81.0.

IDC VIII 03 13 27 41.5–4.7 58.01S 149.07E 0 3.7,3.5 ¶601765399

IDC Error ellipse: s-maj=509.6km s-min=28.9km az=75.0.

ISC VIII 13 06 10 38.9–.64 54.2S–.10 142.2E–.10 10 4.4b,3.5s 23 10-148
ISCJB VIII 13 06 10 36.7–.69 54.18S–.10 142.3E–.20 10 4.3b,3.5s **¶601565844**
IDC VIII 13 06 10 37.6–.81 54.22S 142.26E 0 4.5,4.4b
NEIC VIII 13 06 10 39.0–.40 54.18S 142.28E 10 4.3b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=12.4km az=145.2.
IDC Error ellipse: s-maj=34.1km s-min=23.2km az=71.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=10.4km az=52.0.

IDC VIII 19 10 15 29.5–1.5 56.61S 146.86E 0 4.0s,4.0 ¶601685254

IDC Error ellipse: s-maj=108.2km s-min=21.1km az=81.0.

ISC VIII 19 10 16 28.1–.75 56.5S–.10 147.5E–.20 10 4.5b,3.7s 36 20-155
ISCJB VIII 19 10 16 25.9–.96 56.52S–.08 147.6E–.40 10 4.4b,3.9s **¶601766145**
IDC VIII 19 10 16 25.6–2.0 56.40S 148.06E 0 4.4,4.2b
NEIC VIII 19 10 16 27.9–.48 56.51S 147.55E 10 4.6b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.1km s-min=11.3km az=176.5.
IDC Error ellipse: s-maj=116.5km s-min=19.8km az=80.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=9.4km az=82.0.

IDC VIII 19 10 18 44.2–3.0 56.35S 148.19E 0 3.9,3.6 ¶601766147

IDC Error ellipse: s-maj=211.3km s-min=26.0km az=77.0.

ISC VIII 24 18 37 29.0–1.4 54.7S–.20 140.9E–.20 10 4.0b 11 19-88
ISCJB VIII 24 18 37 27.2–.00 54.7S–.10 140.9E–.30 10 4.1b,3.5s **¶601766410**
IDC VIII 24 18 37 28.7–27 54.56S 141.05E 0 4.1,4.0
NEIC VIII 24 18 37 29.4–.72 54.68S 140.82E 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=15.6km az=25.0.
IDC Error ellipse: s-maj=485.1km s-min=116.3km az=144.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.8km az=111.0.

IDC VIII 25 07 06 02.4–1.2 53.12S 140.96E 0 4.1,4.0 ¶601766434

IDC Error ellipse: s-maj=95.8km s-min=15.9km az=84.0.

IDC IX 10 21 16 05.3–1.2 53.78S 140.36E 0 4.0,3.8 ¶601863314

IDC Error ellipse: s-maj=151.6km s-min=18.6km az=84.0.

IDC X 07 14 45 53.1–1.4 54.04S 140.25E 0 3.8,3.7 ¶601997382

IDC Error ellipse: s-maj=119.1km s-min=22.8km az=79.0.

ISC X 08 01 36 10.3–1.3 53.2S–.10 141.2E–.70 10 3.7b,3.1s 12 21-147
ISCJB X 08 01 36 08.4–.92 53.18S–.09 140.9E–1.0 10 3.7b,3.1s **¶601804026**
IDC X 08 01 36 08.8–1.3 53.19S 141.13E 0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=83.1km s-min=12.3km az=178.9.
IDC Error ellipse: s-maj=103.6km s-min=18.9km az=86.0.

ISC X 09 12 32 08.8–.55 60.64S–.05 153.93E–.06 12–2 6.2s,5.6b 516 7-167
BJI X 09 12 32 03.6 61.10S 153.75E 7 6.5s,6.2 **¶601810590**
IDC X 09 12 32 03.6–.55 60.90S 153.78E 0 6.1s,6.1
NEIC X 09 12 32 04.0–.00 60.73S 153.13E 11 6.1s,6.1
ISCJB X 09 12 32 05.8–.36 60.63S–.05 153.90E–.09 10 6.2s,5.4b
MOS X 09 12 32 07.6–2.4 60.28S 153.95E 10 6.1s,5.4b
NEIC X 09 12 32 09.8–.21 60.33S 153.70E 10 6.6W,6.3W
GCMT X 09 12 32 19.8–.00 60.65S 153.39E 21–0 6.6W,6.3W
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.9km az=100.0.
NEIC Event type se. Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ82.00000° ,λ-153.00000°. NP2:ϕ_s154.00000°,δ64.00000°,λ-8.00000°. Principal axes: T 1.1300,Plg12.0000°,Azm17.0000°; N 0.0100,Plg62.0000°,Azm262.0000° ; P -1.1400,Plg24.0000°,Azm113.0000°
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=149.4.
MOS Error ellipse: s-maj=32.0km s-min=8.9km az=92.4.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=113.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-3.83 $M_{r\theta}$-1.07 $M_{\theta\phi}$0.14 $M_{\phi r}$1.87 Best double couple: NP1:ϕ_s225.00000°,δ59.00000°,λ179.00000°. NP2:ϕ_s316.00000° ,δ89.00000°,λ31.00000°. Principal axes: T 3.6400,Plg22.0000°,Azm185.0000° ; N 0.9100,Plg59.0000°,Azm317.0000°; P -4.5500,Plg21.0000°,Azm86.0000° $M_0$4.20000×10^{18}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s144,c349; s139,c595; Duration: 4ꜱ7 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.12±.00 $M_{\theta\theta}$0.72±.00; $M_{\phi\phi}$-0.60±.00; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.59±.00; $M_{\phi r}$0.11±.01; Best double couple: NP1:ϕ_s246.00000°,δ85.00000° ,λ-171.00000°. NP2:ϕ_s155.00000°,δ81.00000°,λ-5.00000°. Principal axes: T 0.9530,Plg3.0000°,Azm21.0000°; N -0.0940,Plg79.0000°,Azm275.0000° ; P -0.8590,Plg10.0000°,Azm111.0000° $M_0$0.90600×10^{19}

IDC X 09 15 45 20.1–4.8 60.89S 153.54E 0 3.7,3.6 ¶601997675

IDC Error ellipse: s-maj=325.9km s-min=37.6km az=75.0.

ISC X 10 08 29 14.2–1.7 60.1S–.10 153.4E–.50 10 4.1s,4.0b 6 18-97
ISCJB X 10 08 29 12.3–1.4 60.1S–.10 153.4E–.90 10 4.1s,3.9b **¶601997732**
IDC X 10 08 29 12.9–2.0 60.06S 153.34E 0 4.2,4.1b
GCMT X 10 08 29 17.0–.30 60.00S–.02 152.98E–.05 12 4.8W,4.1b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s13,c20; s68,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.09 $M_{\theta\theta}$1.33±.07; $M_{\phi\phi}$-1.15±.09; $M_{r\theta}$-0.90±.23; $M_{\theta\phi}$-1.64±.06; $M_{\phi r}$0.54±.24; Best double couple: NP1:ϕ_s343.00000°,δ78.00000° ,λ17.00000°. NP2:ϕ_s249.00000°,δ73.00000°,λ167.00000°. Principal axes: T 2.5480,Plg21.0000°,Azm207.0000°; N -0.5690,Plg69.0000°,Azm17.0000° ; P -1.9710,Plg3.0000°,Azm116.0000° $M_0$2.25900×10^{16}

ISC X 10 10 38 51.2–.55 60.05S–.08 152.5E–.10 10 4.5b,4.1s 37 18-154
ISCJB X 10 10 38 49.5–.49 60.03S–.06 152.5E–.20 10 4.6b,4.1s **¶601906671**
IDC X 10 10 38 49.9–1.2 60.06S 152.55E 0 4.3,4.2
NEIC X 10 10 38 51.2–.31 60.04S 152.49E 10 4.5b,4.2

GCMT X 10 10 38 55.2–.30 59.92S–.02 152.92E–.04 12–2 4.9W,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c28; s73,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.10 $M_{\theta\theta}$1.50±.08; $M_{\phi\phi}$-1.55±.09; $M_{r\theta}$-1.15±.35; $M_{\theta\phi}$-1.98±.09; $M_{\phi r}$1.34±.39; Best double couple: NP1:ϕ_s342.00000°,δ83.00000°,λ32.00000°. NP2:ϕ_s248.00000°,δ58.00000°,λ172.00000°. Principal axes: T 3.3040,Plg27.0000° ,Azm210.0000°; N -0.5710,Plg57.0000°,Azm352.0000°; P -2.7360,Plg17.0000° ,Azm111.0000° $M_0$3.02000×10^{16}

IDC X 10 10 44 34.2–5.7 59.98S 154.04E 0 3.8,3.7b ¶601997744

IDC Error ellipse: s-maj=377.4km s-min=34.6km az=75.0.

IDC X 14 20 58 32.3–2.0 58.84S 148.87E 0 4.1,4.0 ¶601998257

IDC Error ellipse: s-maj=80.8km s-min=24.8km az=82.0.

IDC X 15 17 15 54.0–5.2 58.36S 151.95E 0 3.5,3.4 ¶601998359

IDC Error ellipse: s-maj=419.6km s-min=30.9km az=75.0.

ISC	**X**	**18 01 27 16.1–.61**	**54.31S–.04**	**144.21E–.05**	**11–3**	**5.8s,5.5b**	**727**	**9-162**	
ISCJB	X	18 01 27 12.6–1.1	54.27S–.03	143.95E–.06	1–6	5.8s,5.4b			**¶601838150**
IDC	X	18 01 27 13.6–.43	54.33S	143.93E	0	5.6s,5.6			
NEIC	X	18 01 27 15.0–.00	54.17S	143.40E	13	5.6s,5.6			
MOS	X	18 01 27 15.0–2.1	54.15S	144.44E	10	5.7s,5.1b			
NEIC	X	18 01 27 16.0–.40	54.22S	144.01E	8–2	5.9W,5.9W			
GCMT	X	18 01 27 19.0–.10	54.28S	143.87E	15–0	5.9W,5.9W			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=165.6.
IDC Error ellipse: s-maj=22.6km s-min=11.9km az=82.0.
NEIC Event type se. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-1.44 $M_{r\theta}$1.54 $M_{\theta\phi}$-8.19 $M_{\phi r}$1.12 Best double couple: NP1:ϕ_s265.00000° ,δ83.00000°,λ-168.00000°. NP2:ϕ_s173.00000°,δ78.00000°,λ-7.00000°. Principal axes: T 8.7800,Plg3.0000°,Azm38.0000°; N -0.3100,Plg76.0000°,Azm295.0000° ; P -8.4600,Plg13.0000°,Azm129.0000° $M_0$8.60000×10^{17}
MOS Error ellipse: s-maj=20.0km s-min=8.0km az=93.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=6.0km az=203.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$3.67 $M_{\phi\phi}$-2.66 $M_{r\theta}$0.26 $M_{\theta\phi}$-8.48 $M_{\phi r}$-2.83 Best double couple: NP1:ϕ_s349.00000°,δ86.00000°,λ-18.00000°. NP2:ϕ_s80.00000° ,δ72.00000°,λ-176.00000°. Principal axes: T 9.8700,Plg10.0000°,Azm36.0000° ; N -0.7300,Plg72.0000°,Azm157.0000°; P -9.1500,Plg15.0000°,Azm303.0000° $M_0$9.50000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c281; s141,c448; Duration: 2ŝ3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$0.30±.01; $M_{\phi\phi}$-0.18±.01; $M_{r\theta}$-0.07±.01; $M_{\theta\phi}$-0.96±.01; $M_{\phi r}$-0.11±.01; Best double couple: NP1:ϕ_s353.00000° ,δ84.00000°,λ-6.00000°. NP2:ϕ_s83.00000°,δ84.00000°,λ-174.00000°. Principal axes: T 1.0510,Plg0.0000°,Azm38.0000°; N -0.0970,Plg81.0000°,Azm130.0000° ; P -0.9520,Plg9.0000°,Azm308.0000° $M_0$1.00100×10^{18}

IDC X 18 01 35 37.2–2.7 54.31S 145.13E 0 4.0,3.8 ¶601998729

IDC Error ellipse: s-maj=148.1km s-min=45.7km az=83.0.

IDC X 18 11 11 11.0–1.4 54.34S 143.35E 0 3.9,3.8 ¶601998794

IDC Error ellipse: s-maj=187.9km s-min=19.1km az=81.0.

IDC X 19 06 50 28.1–4.6 53.86S 143.43E 0 4.1,3.9 ¶601998893

IDC Error ellipse: s-maj=299.5km s-min=56.5km az=87.0.

ISC	**X**	**23 09 33 20.1–.30**	**57.57S–.05**	**148.39E–.08**	**10**	**5.3s,5.2b**	**256**	**15-167**	
ISCJB	X	23 09 33 17.9–.25	57.56S–.03	148.24E–.08	10	5.3s,5.1b			**¶601843416**
IDC	X	23 09 33 17.9–.59	57.55S	148.01E	0	5.1,5.1s			
NEIC	X	23 09 33 19.7–.20	57.51S	148.21E	10	5.6W,5.3s			
MOS	X	23 09 33 19.6–2.1	57.48S	148.96E	21	5.4b,5.3s			
GCMT	X	23 09 33 21.7–.20	57.56S–.01	148.03E–.02	16–1	5.6W,5.3s			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$1.69 $M_{\phi\phi}$-1.93 $M_{r\theta}$0.45 $M_{\theta\phi}$-2.63 $M_{\phi r}$-1.01 Best double couple: NP1:ϕ_s72.00000° ,δ71.00000°,λ176.00000°. NP2:ϕ_s163.00000°,δ86.00000°,λ19.00000°. Principal axes: T 3.3300,Plg16.0000°,Azm29.0000°; N 0.1200,Plg70.0000°,Azm174.0000° ; P -3.4500,Plg11.0000°,Azm296.0000° $M_0$3.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c104; s122,c262;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.06 $M_{\theta\theta}$1.33±.06; $M_{\phi\phi}$-1.31±.05; $M_{r\theta}$-0.49±.18; $M_{\theta\phi}$-2.71±.05; $M_{\phi r}$-0.69±.19; Best double couple: NP1:ϕ_s78.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s346.00000°,δ79.00000°,λ-10.00000°. Principal axes: T 3.0250,Plg1.0000° ,Azm212.0000°; N 0.2080,Plg75.0000°,Azm118.0000°; P -3.2280,Plg15.0000° ,Azm302.0000° $M_0$3.12700×10^{17}

IDC XI 03 11 56 50.6–1.6 53.62S 143.25E 0 3.8,3.6 ¶602388763

IDC Error ellipse: s-maj=149.4km s-min=27.2km az=80.0.

IDC XI 05 22 26 42.5–1.1 53.18S 139.70E 0 3.8,3.7 ¶602388891

IDC Error ellipse: s-maj=110.2km s-min=17.2km az=87.0.

IDC XI 09 07 49 46.9–1.8 57.52S 145.95E 0 3.9,3.8 ¶602389083

IDC Error ellipse: s-maj=236.2km s-min=26.3km az=78.0.

IDC XI 19 10 26 42.4–3.0 56.61S 148.54E 0 3.9,3.7 ¶602389662

IDC Error ellipse: s-maj=289.3km s-min=26.6km az=76.0.

IDC XI 21 14 58 01.8–5.2 61.00S 153.27E 0 3.7,3.6 ¶602389791

IDC Error ellipse: s-maj=372.4km s-min=38.2km az=75.0.

ISC	**XII**	**05 20 07 03.2–.50**	**60.33S–.08**	**153.3E–.20**	**10**	**4.3b,3.6s**	**48**	**18-156**	
ISCJB	XII	05 20 07 01.8–.48	60.30S–.06	153.2E–.30	10	4.3b,3.7s			**¶602037344**
IDC	XII	05 20 07 01.2–.75	60.36S	153.23E	0	4.4b,4.4			
NEIC	XII	05 20 07 03.1–.37	60.34S	153.16E	10	4.6b,4.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=8.5km az=178.0.
IDC Error ellipse: s-maj=40.2km s-min=17.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.2km az=85.0.

IDC XII 19 12 01 36.9–1.8 56.84S 146.50E 0 4.0,3.8 ¶602391669

IDC Error ellipse: s-maj=206.5km s-min=25.1km az=78.0.

ISC	**XII**	**19 15 19 54.4–.44**	**52.31S–.09**	**139.6E–.10**	**10**	**4.5b,4.1s**	**78**	**15-152**	
ISCJB	XII	19 15 19 52.5–.42	52.24S–.06	139.5E–.10	10	4.5b,4.1s			**¶602052904**
IDC	XII	19 15 19 52.7–.63	52.23S	139.56E	0	4.3,4.2			
NEIC	XII	19 15 19 54.0–.22	52.29S	139.41E	10	4.7b,4.2			
GCMT	XII	19 15 19 54.0–.30	52.21S–.02	139.51E–.07	18–1	5.0W,4.2			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s66,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.35±.25 $M_{\theta\theta}$2.90±.17; $M_{\phi\phi}$0.44±.17; $M_{r\theta}$1.20±.36; $M_{\theta\phi}$-0.79±.09; $M_{\phi r}$1.45±.50; Best double couple: NP1:ϕ_s264.00000°,δ56.00000°,λ-116.00000°. NP2:ϕ_s125.00000°,δ42.00000°,λ-57.00000°. Principal axes: T 3.2300,Plg8.0000° ,Azm12.0000°; N 0.8810,Plg21.0000°,Azm279.0000°; P -4.1170,Plg68.0000°,Azm121.0000° $M_0$3.67400×10^{16}

ISC	**XII**	**19 16 11 05.9–.77**	**52.2S–.10**	**139.9E–.30**	**10**	**3.9s**	**21**	**23-152**	
IDC	XII	19 16 11 04.4–1.0	52.19S	140.01E	0	4.1,3.9			**¶602216206**
NEIC	XII	19 16 11 05.9–.36	52.18S	139.77E	10	4.8b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=19.6km az=82.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=7.7km az=88.0.

ISC	**XII**	**24 23 24 50.0–.56**	**55.73S–.05**	**147.23E–.07**	**12–3**	**5.1b,4.3s**	**316**	**7-161**	
IDC	XII	24 23 24 48.0–.46	55.61S	147.20E	0	5.0,4.9			**¶602058088**
BJI	XII	24 23 24 48.5	55.55S	147.48E	8	5.4b,5.2b			
ISCJB	XII	24 23 24 50.7–2.9	55.68S–.04	146.8E–.10	26–21	5.1b,4.4s			
NEIC	XII	24 23 24 50.1–.22	55.68S	146.90E	10	5.0b,4.4s			
MOS	XII	24 23 24 51.8–1.6	55.62S	147.45E	33	5.2b,4.4s			
GCMT	XII	24 23 24 52.1–.20	55.74S–.01	146.87E–.02	12	5.1W,4.4s			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c59; s104,c161;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04±.14 $M_{\theta\theta}$2.75±.12; $M_{\phi\phi}$-1.70±.14; $M_{r\theta}$0.64±.34; $M_{\theta\phi}$-5.16±.10; $M_{\phi r}$-0.43±.34; Best double couple: NP1:ϕ_s168.00000°,δ86.00000°,λ4.00000°. NP2:ϕ_s78.00000°,δ86.00000°,λ176.00000°. Principal axes: T 6.2260,Plg6.0000° ,Azm33.0000°; N -1.1220,Plg84.0000°,Azm213.0000°; P -5.0940,Plg0.0000°,Azm303.0000° $M_0$5.66000×10^{16}

ISC	**XII**	**28 11 04 17.5–1.3**	**59.3S–.20**	**150.5E–.60**	**10**	**4.2b,4.1s**	**8**	**19-153**	
ISCJB	XII	28 11 04 15.7–1.6	59.3S–.20	150E–1.0	10	4.2b,4.1s			**¶602092439**
IDC	XII	28 11 04 16.2–1.8	59.27S	150.23E	0	4.4,4.3			
GCMT	XII	28 11 04 20.0–.40	59.27S–.02	149.29E–.06	12	4.8W,4.3			

ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s64,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.11±.11 $M_{\theta\theta}$0.83±.09; $M_{\phi\phi}$-0.94±.11; $M_{r\theta}$-0.85±.28; $M_{\theta\phi}$-1.70±.07; $M_{\phi r}$0.22±.30; Best double couple: NP1:ϕ_s255.00000°,δ80.00000° ,λ159.00000°. NP2:ϕ_s348.00000°,δ69.00000°,λ11.00000°. Principal axes: T 2.2020,Plg22.0000°,Azm210.0000°; N -0.1960,Plg67.0000°,Azm50.0000° ; P -2.0060,Plg7.0000°,Azm303.0000° $M_0$2.10400×10^{16}

(702) Balleny Islands region.

ISC	**VII**	**17 20 06 11.1–3.7**	**65.1S–.20**	**177.3E–.80**	**10**	**4.2s,3.9b**	**5**	**13-147**	
GCMT	VII	17 20 06 08.0–.30	65.04S	177.47E	26–1	5.2W,3.9b			**¶601405091**
IDC	VII	17 20 06 09.0–4.1	64.96S	177.90E	0	4.2s,4.2			

ISC Event type ke.
GCMT Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s28,c29; s84,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80±.27 $M_{\theta\theta}$5.91±.23; $M_{\phi\phi}$-5.12±.20; $M_{r\theta}$-5.42±.55; $M_{\theta\phi}$-0.64±.17; $M_{\phi r}$0.27±.41; Best double couple: NP1:ϕ_s225.00000°,δ71.00000° ,λ158.00000°. NP2:ϕ_s323.00000°,δ69.00000°,λ20.00000°. Principal axes: T 8.9640,Plg29.0000°,Azm183.0000°; N -3.8110,Plg61.0000°,Azm7.0000° ; P -5.1580,Plg1.0000°,Azm274.0000° $M_0$7.06100×10^{16}
IDC Error ellipse: s-maj=147.8km s-min=26.9km az=69.0.

IDC VII 20 02 41 37.5–6.6 62.44S 155.19E 0 4.0,3.8 ¶601472347

IDC Error ellipse: s-maj=428.9km s-min=41.7km az=76.0.

ISC	**VII**	**28 18 11 35.7–1.0**	**64.8S–.10**	**173.6E–.30**	**10**	**4.3b,3.9s**	**17**	**13-146**	
IDC	VII	28 18 11 33.9–1.6	64.82S	174.21E	0	4.1,4.1b			**¶601666586**
ISCJB	VII	28 18 11 34.0–.92	64.87S–.08	174.0E–.50	10	4.3b,3.9s			
NEIC	VII	28 18 11 35.3–.89	64.87S	173.81E	10	4.7b,3.9s			

ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=31.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=10.9km az=176.1.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=11.6km az=82.0.

ISC	**VIII**	**24 07 03 11.8–.33**	**63.70S–.06**	**170.57E–.09**	**10**	**5.1s,5.0b**	**250**	**14-175**	
BJI	VIII	24 07 03 06.6	63.43S	170.19E	6	5.2s,4.9			**¶601615621**
ISCJB	VIII	24 07 03 09.2–.47	63.54S–.06	171.3E–.20	10	5.1s,4.9b			
IDC	VIII	24 07 03 09.2–.46	63.60S	171.39E	0	5.0,5.0s			
NEIC	VIII	24 07 03 10.5–.26	63.58S	171.32E	10	5.2b,5.1s			
GCMT	VIII	24 07 03 12.5–.10	63.40S–.01	171.45E–.02	12	5.4W,5.1s			
MOS	VIII	24 07 03 14.4–2.5	63.65S	171.10E	33	5.2s,5.0b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=7.9km az=164.4.
IDC Error ellipse: s-maj=21.7km s-min=13.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.6km az=76.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c147; s122,c208;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$1.86±.02; $M_{\phi\phi}$-1.40±.02; $M_{r\theta}$-0.62±.05; $M_{\theta\phi}$-0.57±.02; $M_{\phi r}$-0.03±.06; Best double couple: NP1:ϕ_s235.00000°,δ86.00000°,λ165.00000°. NP2:ϕ_s326.00000°,δ75.00000°,λ4.00000°. Principal axes: T 2.1010,Plg13.0000° ,Azm189.0000°; N -0.5850,Plg74.0000°,Azm41.0000°; P -1.5170,Plg8.0000°,Azm281.0000° $M_0$1.80900×10^{17}
MOS Error ellipse: s-maj=37.0km s-min=10.5km az=94.7.

ISC	**VIII**	**24 11 06 43.0–.90**	**61.66S–.09**	**156.2E–.20**	**10**	**4.2s,4.1b**	**11**	**16-149**	
ISCJB	VIII	24 11 06 41.6–.77	61.54S–.08	155.9E–.30	10	4.3b,4.2s			**¶601645486**
IDC	VIII	24 11 06 42.8–2.1	61.52S	155.71E	0	4.3,4.3L			
NEIC	VIII	24 11 06 43.4–.68	61.55S	155.97E	10	4.4b,4.3L			
GCMT	VIII	24 11 06 50.4–.20	61.60S–.01	154.37E–.03	16–1	5.2W,4.3L			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c59; s86,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02±.23 $M_{\theta\theta}$5.86±.18; $M_{\phi\phi}$-4.84±.18; $M_{r\theta}$-0.45±.43; $M_{\theta\phi}$-4.41±.17; $M_{\phi r}$2.03±.58; Best double couple: NP1:ϕ_s154.00000°,δ84.00000°,λ-17.00000°. NP2:ϕ_s246.00000°,δ73.00000°,λ-173.00000°. Principal axes: T 7.5890,Plg8.0000° ,Azm201.0000°; N -0.6360,Plg72.0000°,Azm314.0000°; P -6.9530,Plg17.0000° ,Azm108.0000° $M_0$7.27100×10^{16}

IDC VIII 27 04 17 26.8–4.6 64.20S 173.99E 0 4.5L,4.2 ¶601766526

IDC Error ellipse: s-maj=182.8km s-min=22.4km az=69.0.

ISC	**IX**	**01 04 51 24.4–.69**	**62.07S–.08**	**155.1E–.20**	**10**	**4.2b,4.1s**	**22**	**16-128**	
ISCJB	IX	01 04 51 23.2–.56	62.07S–.06	154.8E–.30	10	4.2s,4.1b			**¶601676528**
IDC	IX	01 04 51 23.2–.87	62.09S	154.84E	0	4.3,4.2			
NEIC	IX	01 04 51 24.4–.52	62.16S	154.93E	10	4.2b,4.2			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=9.1km az=176.7.
IDC Error ellipse: s-maj=32.6km s-min=15.9km az=90.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.6km az=84.0.

ISC	**IX**	**25 10 22 26.9–2.9**	**61.6S–.30**	**157E–1.0**	**10**	**3.9s,3.8b**	**11**	**16-150**	
IDC	IX	25 10 22 26.4–2.9	61.70S	156.32E	0	4.1,4.0			**¶601864148**
GCMT	IX	25 10 22 28.0–.40	61.50S–.02	161.11E–.09	22–1	5.0W,4.0			

ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s27,c32; s53,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.94±.31 $M_{\theta\theta}$3.30±.18; $M_{\phi\phi}$0.64±.18; $M_{r\theta}$-1.69±.23; $M_{\theta\phi}$-0.36±.11; $M_{\phi r}$0.24±.35; Best double couple: NP1:ϕ_s98.00000°,δ58.00000° ,λ-90.00000°. NP2:ϕ_s277.00000°,δ32.00000°,λ-90.00000°. Principal axes: T 3.7280,Plg13.0000°,Azm188.0000°; N 0.6010,Plg0.0000°,Azm278.0000° ; P -4.3200,Plg77.0000°,Azm8.0000° $M_0$4.02400×10^{16}

IDC IX 25 22 30 48.8–3.8 64.95S 177.00E 0 4.2,4.2L ¶601864169

IDC Error ellipse: s-maj=146.4km s-min=25.6km az=69.0.

ISC	**X**	**02 19 41 28.3–.31**	**64.92S–.06**	**178.23E–.08**	**10**	**5.3b,5.0s**	**203**	**13-170**	
ISCJB	X	02 19 41 26.5–.24	64.95S–.04	177.8E–.10	10	5.2b,5.0s			**¶601780653**
IDC	X	02 19 41 26.0–.57	64.78S	177.84E	0	5.5L,4.9			
NEIC	X	02 19 41 29.4–3.1	64.97S	177.83E	18–18	5.5W,5.4b			
BJI	X	02 19 41 29.3	64.74S	178.38E	17	5.6b,5.2s			
GCMT	X	02 19 41 30.4–.10	64.85S–.01	177.67E–.02	19–0	5.6W,5.2s			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.06 $M_{\theta\theta}$2.17 $M_{\phi\phi}$-2.23 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.26 Best double couple: NP1:ϕ_s56.00000° ,δ86.00000°,λ-175.00000°. NP2:ϕ_s326.00000°,δ85.00000°,λ-4.00000°. Principal axes: T 2.3400,Plg1.0000°,Azm191.0000°; N 0.0900,Plg84.0000°,Azm96.0000° ; P -2.4200,Plg6.0000°,Azm281.0000° $M_0$2.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c157; s127,c294;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$2.69±.04; $M_{\phi\phi}$-2.33±.03; $M_{r\theta}$-1.17±.09; $M_{\theta\phi}$-0.86±.03; $M_{\phi r}$0.36±.07; Best double couple: NP1:ϕ_s326.00000°,δ81.00000°,λ17.00000°. NP2:ϕ_s233.00000°,δ73.00000°,λ170.00000°. Principal axes: T 3.2440,Plg19.0000° ,Azm190.0000°; N -0.7570,Plg71.0000°,Azm354.0000°; P -2.4890,Plg5.0000°,Azm98.0000° $M_0$2.86600×10^{17}

ISC	**X**	**09 17 52 50.9–.68**	**61.49S–.08**	**153.3E–.20**	**10**	**4.6s,4.1b**	**24**	**8-98**	
ISCJB	X	09 17 52 49.5–.52	61.49S–.06	153.0E–.20	10	4.6s,4.2b			**¶601825951**
IDC	X	09 17 52 50.8–1.3	61.58S	152.48E	0	4.6,4.6s			

NEIC X 09 17 52 50.8–.55 61.48S 153.30E 10 4.5b,4.6s
GCMT X 09 17 52 58.8–.10 60.99S–.01 153.72E–.02 19–0 5.5W,4.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c149; s13,c201;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.03 $M_{\theta\theta}$1.54±.03; $M_{\phi\phi}$-1.41±.03; $M_{r\theta}$0.16±.06; $M_{\theta\phi}$-1.30±.03; $M_{\phi r}$0.41±.07; Best double couple: NP1:ϕ_s246.00000°,δ81.00000°,λ-171.00000°. NP2:ϕ_s155.00000°,δ81.00000°,λ-9.00000°. Principal axes: T 2.0310,Plg0.0000° ,Azm21.0000°; N -0.0260,Plg77.0000°,Azm290.0000°; P -2.0030,Plg13.0000° ,Azm111.0000° $M_0$2.01700×10^{17}
ISC X 09 20 56 31.2–.74 61.10S–.09 152.4E–.20 10 4.5b,3.6s 18 17-90
ISCJB X 09 20 56 28.9–.64 61.10S–.07 152.5E–.30 10 4.6b,3.5s **¶601890563**
IDC X 09 20 56 29.9–3.6 61.14S 152.34E 0 4.1,3.9
NEIC X 09 20 56 30.2–.71 61.14S 152.66E 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=9.9km az=178.6.
IDC Error ellipse: s-maj=223.9km s-min=21.9km az=81.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=11.1km az=86.0.
ISC X 12 13 09 44.3–.86 61.2S–.10 154.4E–.20 10 4.6s,4.3b 14 17-122
IDC X 12 13 09 39.0–1.4 61.36S 156.32E 0 4.6,4.6s **¶601830325**
ISCJB X 12 13 09 43.9–1.7 61.3S–.10 154E–1.0 10 4.6s,4.2b
GCMT X 12 13 09 48.0–.20 61.25S–.01 153.95E–.03 12 5.2W,4.2b
ISC Event type ke.
ISCJB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s53,c67; s92,c151;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.17 $M_{\theta\theta}$5.93±.14; $M_{\phi\phi}$-5.62±.17; $M_{r\theta}$-1.11±.41; $M_{\theta\phi}$-4.83±.14; $M_{\phi r}$1.06±.44; Best double couple: NP1: ϕ_s335.00000°,δ87.00000°,λ10.00000°. NP2:ϕ_s245.00000°,δ80.00000°,λ177.00000°. Principal axes: T 7.9240,Plg10.0000°,Azm200.0000°; N -0.4960,Plg79.0000°,Azm352.0000° ; P -7.4280,Plg5.0000°,Azm109.0000° $M_0$7.67600×10^{16}
ISC X 18 21 24 22.6–.48 62.76S–.07 155.7E–.10 10 4.7b,4.3s 56 15-154
ISCJB X 18 21 24 20.5–.41 62.69S–.05 155.8E–.20 10 4.6b,4.4s **¶601838848**
NEIC X 18 21 24 21.9–.36 62.78S 155.88E 10 4.9b,4.4s
IDC X 18 21 24 21.3–.75 62.70S 155.15E 0 4.5,4.4
GCMT X 18 21 24 23.9–.20 62.66S–.01 155.45E–.03 13–1 5.1W,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c68; s88,c138;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.93±.17 $M_{\theta\theta}$5.23±.16; $M_{\phi\phi}$-4.30±.14; $M_{r\theta}$-1.70±.40; $M_{\theta\phi}$-3.49±.14; $M_{\phi r}$1.03±.39; Best double couple: NP1:ϕ_s334.00000°,δ84.00000°,λ14.00000°. NP2:ϕ_s242.00000°,δ76.00000°,λ174.00000°. Principal axes: T 6.8540,Plg14.0000° ,Azm199.0000°; N -1.3670,Plg75.0000°,Azm354.0000°; P -5.4890,Plg6.0000° ,Azm107.0000° $M_0$6.17100×10^{16}
IDC X 18 21 37 21.8–5.8 63.31S 153.18E 0 3.8,3.7s
¶601998850
IDC Error ellipse: s-maj=470.3km s-min=40.5km az=76.0.
IDC X 18 23 41 01.9–8.3 62.84S 156.98E 0 3.7,3.6
¶601998862
IDC Error ellipse: s-maj=481.2km s-min=42.7km az=76.0.
IDC X 18 23 50 34.9–6.8 62.95S 154.55E 0 3.5,3.4
¶601998864
IDC Error ellipse: s-maj=477.7km s-min=42.1km az=76.0.
IDC X 18 23 52 12.0–5.5 63.04S 154.78E 0 3.9,3.7
¶601998865
IDC Error ellipse: s-maj=362.7km s-min=41.5km az=76.0.
IDC X 19 00 11 11.8–6.6 62.56S 156.44E 0 3.6,3.5
¶601998866
IDC Error ellipse: s-maj=388.0km s-min=43.7km az=76.0.
IDC X 25 03 52 09.4–6.4 63.56S 173.20E 0 3.9,3.8
¶601999562
IDC Error ellipse: s-maj=233.7km s-min=27.6km az=70.0.
IDC X 27 21 02 09.8–9.1 61.41S 160.08E 0 4.1,3.9b
¶601999860
IDC Error ellipse: s-maj=426.7km s-min=40.6km az=75.0.
IDC XI 20 21 05 49.4–4.3 65.47S 177.29E 0 4.0,3.8
¶601993273
IDC Error ellipse: s-maj=152.8km s-min=28.8km az=70.0.
IDC XI 28 03 40 17.2–5.7 64.13S 173.01E 0 3.9,3.8b
¶602390089
IDC Error ellipse: s-maj=212.9km s-min=27.4km az=70.0.
IDC XII 11 04 26 15.5–1.5 63.68S 148.20E 0 4.7L,4.5
¶602391068
IDC Error ellipse: s-maj=88.8km s-min=30.8km az=81.0.
IDC XII 11 08 41 31.4–5.3 63.29S 151.93E 0 3.8L,3.7
¶602391080
IDC Error ellipse: s-maj=486.9km s-min=40.4km az=76.0.
IDC XII 28 04 02 30.0–2.1 64.57S 175.84E 0 3.8,3.6
¶602380761
IDC Error ellipse: s-maj=92.6km s-min=31.3km az=64.0.
ISC XII 31 20 02 04.7–.34 61.66S–.06 154.55E–.09 10 5.1b,4.8s 158 16-158
IDC XII 31 20 02 01.9–.52 61.61S 154.47E 0 4.8,4.6 **¶602068857**
ISCJB XII 31 20 02 03.1–.29 61.55S–.04 154.3E–.10 10 4.9b,4.9s
MOS XII 31 20 02 04.2–1.8 61.55S 154.26E 10 5.2b,4.6s
BJI XII 31 20 02 04.4 61.60S 154.30E 10 5.7b,5.4b
NEIC XII 31 20 02 04.2–.24 61.62S 154.30E 10 5.2b,4.9s
GCMT XII 31 20 02 08.2–.10 61.49S–.01 154.18E–.02 13–1 5.4W,4.9s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c111; s94,c165;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$1.07±.03; $M_{\phi\phi}$-0.96±.03; $M_{r\theta}$-0.13±.06; $M_{\theta\phi}$-0.98±.02; $M_{\phi r}$0.29±.07; Best double couple: NP1:ϕ_s157.00000°,δ89.00000°,λ-13.00000°. NP2:ϕ_s247.00000°,δ77.00000°,λ-179.00000°. Principal axes: T 1.4980,Plg8.0000° ,Azm203.0000°; N -0.1070,Plg77.0000°,Azm332.0000°; P -1.3930,Plg10.0000° ,Azm111.0000° $M_0$1.44600×10^{17}

SEISMIC REGION 46.
Andaman Islands to Sumatera.

(703) Andaman Islands region.

ISC VII 01 09 24 09.8–1.1 10.0N–.20 93.7E–.20 24 4.0b,3.3s 25 10-79
ISCJB VII 01 09 24 07.5–.72 9.9N–.10 93.6E–.10 24 3.9b,3.3s **¶601663353**
IDC VII 01 09 24 18.0–5.3 10.17N 93.74E 94–47 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=11.4km az=143.6.
IDC Error ellipse: s-maj=34.8km s-min=15.1km az=46.0.
IDC VII 06 22 20 34.7–6.6 12.69N 92.57E 0 3.7b,3.6
¶601663560
IDC Error ellipse: s-maj=124.5km s-min=47.6km az=169.0.
ISC VII 08 10 28 10.4–.69 12.7N–.10 91.32E–.10 39–5 3.9b 38 2-136
IDC VII 08 10 28 05.0–.73 12.68N 91.29E 0 3.9,3.8 **¶601456858**
ISCJB VII 08 10 28 07.6–3.1 12.69N–.06 91.32E–.07 32–22 4.0b,3.2s
NEIC VII 08 10 28 10.2–.75 12.69N 91.31E 36–7 4.7b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=16.9km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=7.8km az=137.6.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.2km az=46.0.
IDC VII 14 07 09 00.7–6.7 10.71N 93.86E 0 3.7,3.5
¶601664554
IDC Error ellipse: s-maj=387.0km s-min=22.9km az=59.0.
ISC VII 14 07 40 37.4–1.3 10.4N–.30 94.2E–.40 10 3.8b 7 2-61
ISCJB VII 14 07 40 35.0–1.1 10.3N–.30 93.9E–.30 10 3.7b **¶601664557**
IDC VII 14 07 40 35.8–1.2 10.34N 94.09E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=56.1km s-min=15.3km az=141.9.
IDC Error ellipse: s-maj=63.8km s-min=20.0km az=52.0.
ISC VII 14 13 26 36.7–1.6 10.5N–.10 92.3E–.30 29 3.7b 7 1-53
IDC VII 14 13 26 32.2–1.8 10.46N 92.19E 0 4.1L,3.9 **¶601664567**
ISCJB VII 14 13 26 34.2–1.1 10.39N–.08 92.1E–.20 29 3.6b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 16 14 48 46.8–.86 12.75N–.10 93.9E–.10 100 3.7b 22 2-90
ISCJB VII 16 14 48 45.8–.55 12.74N–.05 94.10E–.06 100 3.7b **¶601643148**
IDC VII 16 14 48 48.4–5.2 12.87N 93.83E 116–45 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.0km az=25.0.
IDC Error ellipse: s-maj=36.9km s-min=14.3km az=61.0.
IDC VII 21 00 22 40.1–2.2 13.63N 92.62E 0 3.9,3.8
¶601664896
IDC Error ellipse: s-maj=132.4km s-min=20.1km az=58.0.
IDC VII 21 00 24 34.8–1.7 13.55N 92.35E 0 3.9,3.8
¶601664897
IDC Error ellipse: s-maj=81.2km s-min=21.1km az=60.0.
IDC VII 25 17 37 59.9–2.4 11.18N 92.60E 0 3.8,3.7L
¶601666434
IDC Error ellipse: s-maj=72.2km s-min=27.8km az=70.0.
IDC VII 26 05 00 46.1–1.3 10.48N 93.21E 0 3.7,3.6
¶601666457
IDC Error ellipse: s-maj=54.1km s-min=19.8km az=56.0.
ISC VII 28 08 10 45.5–1.0 12.44N–.10 93.0E–.20 23 3.5b 7 1-68
IDC VII 28 08 10 40.9–2.7 12.13N 92.59E 0 3.7,3.6 **¶601666561**
ISCJB VII 28 08 10 43.8–.84 12.51N–.08 93.2E–.20 23 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 05 14 29 11.8–.53 14.06N–.08 93.12E–.07 32 4.0b 61 2-134
IDC VIII 05 14 29 06.9–.58 13.96N 93.07E 0 4.1,3.9 **¶601564300**
ISCJB VIII 05 14 29 09.7–.36 14.02N–.05 93.10E–.05 32 4.0b,3.9
NEIC VIII 05 14 29 10.4–1.9 13.94N 93.10E 23–14 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=13.2km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=44.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.5km az=75.0.
ISC VIII 07 01 49 52.3–.50 13.95N–.08 93.04E–.06 32 3.9b 44 7-120
IDC VIII 07 01 49 48.1–.65 13.98N 93.07E 0 4.3L,4.0 **¶601713625**
ISCJB VIII 07 01 49 50.6–.38 13.96N–.06 93.12E–.05 32 4.0b,4.0
NEIC VIII 07 01 49 53.4–.99 13.94N 93.08E 38–9 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=15.2km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.8km az=178.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.5km az=63.0.
IDC VIII 09 14 36 27.8–6.2 12.34N 92.85E 0 3.7,3.7
¶601765705
IDC Error ellipse: s-maj=458.9km s-min=86.3km az=70.0.
IDC VIII 18 21 41 39.3–8.1 10.95N 92.28E 0 3.5,3.4
¶601766113
IDC Error ellipse: s-maj=423.7km s-min=28.0km az=60.0.
ISC VIII 19 12 13 32.3–.88 10.5N–.10 91.7E–.10 17 4.0b 34 2-91
IDC VIII 19 12 13 29.3–1.2 10.49N 91.59E 0 3.9,3.8 **¶601685255**
ISCJB VIII 19 12 13 30.3–.47 10.49N–.07 91.66E–.08 17 4.0b,3.8
NEIC VIII 19 12 13 30.9–2.8 10.54N 91.71E 8–17 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=17.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=9.0km az=143.1.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=50.0.
ISC VIII 20 10 30 49.1–.91 10.5N–.20 92.8E–.10 54 3.9b 17 10-85
ISCJB VIII 20 10 30 47.2–.65 10.6N–.10 92.8E–.10 54 3.8b,2.8s **¶601766186**
IDC VIII 20 10 30 54.6–6.4 10.76N 93.07E 103–57 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=12.6km az=140.1.
IDC Error ellipse: s-maj=50.4km s-min=12.4km az=52.0.
IDC VIII 22 14 49 24.6–1.6 13.70N 93.61E 0 3.7,3.6b
¶601766307
IDC Error ellipse: s-maj=60.0km s-min=19.7km az=63.0.
ISC VIII 24 18 35 04.4–.69 13.41N–.08 93.49E–.08 10 3.9b 32 2-68
ISCJB VIII 24 18 35 03.8–.51 13.51N–.05 93.59E–.07 10 3.8b **¶601766409**
IDC VIII 24 18 35 03.7–.93 13.40N 93.30E 0 3.9,3.8
NEIC VIII 24 18 35 04.9–.54 13.43N 93.44E 10 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.4km az=20.3.
IDC Error ellipse: s-maj=35.5km s-min=16.1km az=63.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.2km az=101.0.
ISC VIII 27 12 05 22.5–.64 10.19N–.03 92.73E–.04 51–5 4.9b,3.9s 504 1-160
MOS VIII 27 12 05 18.4–.87 10.13N 92.84E 33 5.1b,3.9s **¶601627746**
BJI VIII 27 12 05 19.1 10.03N 92.84E 45 5.3b,5.1b
ISCJB VIII 27 12 05 22.0–.44 10.19N–.02 92.78E–.02 61–4 4.9b,5.1b
IDC VIII 27 12 05 22.2–1.4 10.20N 92.83E 49–12 5.0L,4.7
NEIC VIII 27 12 05 23.4–.46 10.21N 92.80E 58–4 5.2b,4.7
DJA VIII 27 12 05 24.5–.50 10N–3.0 93E–4.0 61–5 5.4b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 10 06 19 21.4–.33 13.60N–.04 92.82E–.04 38–1 4.8b,4.2s 353 2-161
BJI IX 10 06 19 16.1 13.44N 92.84E 22 4.8b,4.6b **¶605475929**
ISCJB IX 10 06 19 17.5–.86 13.65N–.02 92.80E–.02 21–6 4.7b,4.2s
MOS IX 10 06 19 19.0–.84 13.63N 92.88E 33 5.0b,4.2s
NEIC IX 10 06 19 20.6–1.1 13.64N 92.85E 30–7 4.9b,4.2s
DJA IX 10 06 19 21.0–.60 14N–5.0 93E–5.0 50–7 5.5b,5.1
GCMT IX 10 06 19 21.6–.30 13.58N–.02 92.85E–.01 27–1 5.1W,5.1
IDC IX 10 06 19 21.3–.52 13.59N 92.92E 41–4 4.6L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=24.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=114.6.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.9km az=48.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c53; s87,c141;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.84±.16 $M_{\theta\theta}$-0.83±.13; $M_{\phi\phi}$1.68±.13; $M_{r\theta}$1.08±.26; $M_{\theta\phi}$3.93±.12; $M_{\phi r}$-2.42±.28; Best double couple: NP1:ϕ_s354.00000°,δ80.00000°,λ-148.00000°. NP2:ϕ_s258.00000°,δ58.00000°,λ-12.00000°. Principal axes: T 4.8890,Plg14.0000° ,Azm122.0000°; N 0.1400,Plg56.0000°,Azm10.0000°; P -5.0240,Plg30.0000°,Azm221.0000° $M_0$4.95600×10^{16}
IDC Error ellipse: s-maj=11.3km s-min=8.3km az=49.0.
IDC IX 10 12 33 41.1–2.5 10.09N 93.01E 0 3.7,3.6
¶601863296
IDC Error ellipse: s-maj=79.8km s-min=25.6km az=69.0.
ISC IX 10 13 11 30.3–.67 10.42N–.09 93.46E–.09 25 3.8b 28 1-147
IDC IX 10 13 11 27.2–.80 10.47N 93.61E 0 3.9,3.8 **¶601734474**
NEIC IX 10 13 11 31.5–.51 10.36N 93.48E 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=15.7km az=52.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.5km az=206.0.
ISC IX 10 13 16 21.6–.57 10.46N–.06 93.34E–.07 25 4.2b,3.4s 49 1-147
IDC IX 10 13 16 16.7–.93 10.33N 93.45E 0 4.0,3.9b **¶601705103**
ISCJB IX 10 13 16 18.5–.51 10.34N–.06 93.41E–.05 25 4.2b,3.5s
NEIC IX 10 13 16 23.4–.96 10.40N 93.41E 50–9 4.5b,3.5s
BJI IX 10 13 16 23.3 10.34N 93.57E 60 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=16.9km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.2km az=154.6.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.7km az=156.0.
ISC IX 10 14 35 43.2–.41 10.42N–.03 93.53E–.03 40–3 5.2b,4.3s 888 1-167
BJI IX 10 14 35 39.2 10.27N 93.51E 34 5.1b,5.0b **¶601699601**
GCMT IX 10 14 35 40.8–.20 10.42N–.01 93.76E–.02 12 5.1W,5.0b
MOS IX 10 14 35 41.4–.83 10.52N 93.61E 39 5.4b,5.0b
ISCJB IX 10 14 35 41.0–.39 10.50N–.02 93.63E–.02 36–3 5.1b,4.3s
IDC IX 10 14 35 42.3–1.8 10.46N 93.63E 33–13 4.8,4.7
NEIC IX 10 14 35 42.8–.43 10.46N 93.62E 39–3 5.2b,4.7

DJA IX 10 14 35 45.1–.40 11N–2.0 94E–4.0 45–3 5.6b,5.3
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c74; s101,c182;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.92±.10 $M_{\theta\theta}$4.76±.09; $M_{\phi\phi}$0.16±.10; $M_{r\theta}$1.38±.27; $M_{\theta\phi}$1.79±.08; $M_{\theta r}$-0.02±.34; Best double couple: NP1:ϕ_s257.00000°,δ52.00000°,λ-83.00000°. NP2:ϕ_s65.00000°,δ38.00000°,λ-99.00000°. Principal axes: T 5.5370,Plg7.0000° ,Azm342.0000°; N -0.4080,Plg6.0000°,Azm72.0000°; P -5.1270,Plg81.0000°,Azm200.0000° M_o5.33200×10^{16}
ISCJB Event type se.
NEIC Event type se.
IDC IX 10 17 30 24.3–8.1 10.72N 93.97E 101–70 3.5,3.3
¶601863311
IDC Error ellipse: s-maj=78.8km s-min=19.0km az=51.0.
ISC IX 10 18 52 14.5–.50 10.54N–.06 93.63E–.07 25 4.3b 61 1-147
ISCJB IX 10 18 52 12.3–.34 10.48N–.04 93.69E–.05 25 4.1b **¶601703081**
IDC IX 10 18 52 17.5–3.4 10.53N 93.63E 55–32 4.1,3.9
NEIC IX 10 18 52 18.1–1.2 10.55N 93.67E 60–12 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=148.0.
IDC Error ellipse: s-maj=21.5km s-min=12.9km az=68.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.0km az=74.0.
ISC IX 10 20 30 02.5–.82 13.7N–.10 92.94E–.09 29 3.8b 20 7-88
IDC IX 10 20 29 58.5–.81 13.46N 92.84E 0 3.9,3.8 **¶601863313**
ISCJB IX 10 20 30 00.5–.66 13.63N–.07 92.87E–.09 29 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 10 21 38 16.8–.45 10.25N–.06 93.53E–.06 24 4.1b,3.5s 81 2-147
ISCJB IX 10 21 38 15.6–.45 10.35N–.06 93.58E–.04 24 4.0b,3.5s **¶601703089**
BJI IX 10 21 38 18.9 10.73N 93.40E 18 4.5b,4.3b
NEIC IX 10 21 38 21.8–.90 10.43N 93.42E 55–9 4.6b,4.3b
IDC IX 10 21 38 24.3–2.6 10.66N 93.84E 80–23 4.0,3.8
DJA IX 10 21 38 31.3–.90 11N–3.0 94E–10 80–14 4.4b,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 16 14 06 21.4–4.6 14.18N 93.55E 0 3.7,3.6
¶601863655
IDC Error ellipse: s-maj=273.9km s-min=22.8km az=62.0.
ISC IX 23 02 12 35.8–.76 10.6N–.10 93.74E–.10 150 4.0b 32 9-90
ISCJB IX 23 02 12 34.2–.61 10.59N–.09 93.65E–.07 150 3.9b **¶601864020**
IDC IX 23 02 12 36.9–4.2 10.74N 93.74E 159–38 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=10.0km az=177.9.
IDC Error ellipse: s-maj=21.6km s-min=12.8km az=51.0.
ISC X 06 02 59 06.5–.80 12.74N–.08 93.79E–.06 100 4.0b 40 6-74
IDC X 06 02 59 07.4–5.5 12.74N 93.94E 120–49 4.0,3.7 **¶601997231**
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=16.0km az=52.0.
ISC X 18 10 15 28.8–1.2 14.6N–.10 93.5E–.10 30 16 5-69
IDC X 18 10 15 25.0–1.4 14.75N 94.08E 0 3.9L,3.8 **¶601998787**
ISCJB X 18 10 15 26.6–.97 14.5N–.10 93.60E–.07 30 3.1s,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC X 21 07 54 46.7–.39 13.59N–.04 96.06E–.05 35 4.7b,4.0s 295 3-152
IDC X 21 07 54 41.5–.51 13.63N 96.02E 0 4.5,4.4b **¶601839947**
BJI X 21 07 54 42.0 13.39N 96.15E 29 4.7b,4.6b
MOS X 21 07 54 44.5–.92 13.64N 96.20E 33 5.0b,4.6b
ISCJB X 21 07 54 44.9–.22 13.65N–.03 96.16E–.02 33 4.7b,4.1s
NEIC X 21 07 54 47.0–.27 13.69N 96.18E 35 4.7b,4.1s
NDI X 21 07 54 47.0–2.9 13.75N 96.08E 30–42 4.7b,4.7b
DJA X 21 07 54 48.1–1.1 14N–3.0 96E–4.0 31–13 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 27 18 50 53.1–.77 13.63N–.09 93.01E–.09 29 3.6b 24 2-58
IDC X 27 18 50 49.2–1.1 13.61N 92.93E 0 3.8L,3.6 **¶601999850**
ISCJB X 27 18 50 51.9–.54 13.68N–.06 93.11E–.06 29 3.7b,3.6
NEIC X 27 18 50 52.6–2.4 13.64N 92.93E 21–19 4.4b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=21.2km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.7km az=41.8.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=109.0.
ISC X 28 03 08 49.4–.33 10.36N–.04 92.53E–.05 29 5.2b 154 1-152
ISCJB X 28 03 08 47.8–.20 10.28N–.02 92.50E–.03 29 5.1b **¶601853266**
KLM X 28 03 08 50.0 10.32N 92.07E 137 5.1b
BJI X 28 03 08 51.9 10.40N 92.58E 68 5.3s,5.2
IDC X 28 03 08 52.1–2.3 10.36N 92.63E 51–21 5.0,4.8
NEIC X 28 03 08 52.4–.71 10.35N 92.58E 58–6 5.0b,4.8
DJA X 28 03 08 53.3–.70 10N–3.0 93E–7.0 59–4 6.9,5.7b
NDI X 28 03 08 53.1–2.4 10.37N 92.58E 68–16 5.1b,5.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=143.6.
IDC Error ellipse: s-maj=17.1km s-min=10.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=62.0.
NDI Error ellipse: s-maj=7.0km s-min=13.7km az=-1.0.
IDC X 30 08 06 10.5–11 13.00N 92.17E 0 4.0L,3.9
¶602000453
IDC Error ellipse: s-maj=245.1km s-min=48.2km az=108.0.
ISC XI 26 23 13 51.2–.29 13.90N–.03 93.57E–.03 40–2 5.0b,4.0s 526 2-162
BJI XI 26 23 13 47.8 13.64N 93.58E 43 5.1b,5.0b **¶601994686**
IDC XI 26 23 13 50.6–.33 13.84N 93.65E 37–1 5.0L,4.8
MOS XI 26 23 13 50.2–.98 13.86N 93.63E 49 5.2b,4.8
NDI XI 26 23 13 50.4–3.1 13.91N 93.83E 54 5.1b,5.0b
ISCJB XI 26 23 13 50.2–.42 13.97N–.02 93.58E–.02 43–4 5.0b,4.1s
GCMT XI 26 23 13 52.5–.30 13.97N–.02 93.52E–.02 41–1 5.0W,4.1s
NEIC XI 26 23 13 52.5–.46 13.85N 93.64E 54–4 5.1b,4.1s
DJA XI 26 23 13 54.1–.50 14N–3.0 94E–3.0 61–5 5.1b,4.8b
KLM XI 26 23 14 02.0 14.17N 93.03E 58 4.8b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=10.8km s-min=9.0km az=41.0.
MOS Error ellipse: s-maj=6.4km s-min=4.0km az=115.8.
NDI Error ellipse: s-maj=16.6km s-min=25.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=21.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c42; s68,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.17±.20 $M_{\theta\theta}$0.47±.12; $M_{\phi\phi}$-2.64±.12; $M_{r\theta}$1.73±.14; $M_{\theta\phi}$1.07±.11; $M_{\theta r}$-1.09±.12; Best double couple: NP1:ϕ_s137.00000°,δ66.00000°,λ62.00000°. NP2:ϕ_s10.00000°,δ36.00000°,λ136.00000°. Principal axes: T 3.2720,Plg59.0000° ,Azm8.0000°; N 0.1680,Plg25.0000°,Azm149.0000°; P -3.4380,Plg17.0000°,Azm247.0000° M_o3.35500×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.6km az=48.0. Felt at Port Blair.
ISC XI 29 12 22 11.9–.55 14.50N–.06 93.96E–.05 41 4.3b 97 3-151
ISCJB XI 29 12 22 10.9–.38 14.46N–.05 94.01E–.03 41 4.2b **¶601995240**
IDC XI 29 12 22 13.2–.85 14.35N 94.07E 59–7 4.1,3.9
NEIC XI 29 12 22 15.3–.64 14.47N 94.17E 75–6 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=10.7.
IDC Error ellipse: s-maj=21.5km s-min=12.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.6km az=224.0.
IDC XII 01 11 19 00.8–8.0 11.30N 93.96E 133–70 3.7,3.5
¶602390274
IDC Error ellipse: s-maj=71.9km s-min=20.0km az=52.0.
IDC XII 08 07 21 33.4–4.6 10.51N 92.55E 0 4.1L,4.0
¶602390794
IDC Error ellipse: s-maj=114.8km s-min=45.6km az=97.0.
ISC XII 10 16 44 10.9–1.4 12.3N–.20 90.1E–.10 35 3.5b 18 8-56
IDC XII 10 16 44 06.5–2.2 12.18N 90.30E 0 3.8L,3.6 **¶602070457**
ISC Event type ke.
IDC Error ellipse: s-maj=68.3km s-min=26.8km az=65.0.
IDC XII 13 15 47 52.7–13 13.57N 91.62E 0 3.5,3.5L
¶602391272
IDC Error ellipse: s-maj=270.8km s-min=51.7km az=113.0.
IDC XII 16 21 38 22.8–2.1 13.19N 92.46E 0 3.7s,3.7
¶602391491
IDC Error ellipse: s-maj=63.7km s-min=26.9km az=66.0.
ISC XII 16 21 44 11.2–1.0 13.3N–.10 92.9E–.10 29 3.7b 13 8-90
IDC XII 16 21 44 06.5–1.1 13.28N 92.81E 0 3.9,3.7 **¶602391492**
ISCJB XII 16 21 44 09.3–.86 13.4N–.10 92.9E–.10 29 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC XII 18 15 05 43.1–2.2 13.44N 93.20E 0 3.6,3.5L
¶602391609
IDC Error ellipse: s-maj=64.5km s-min=29.7km az=68.0.
ISC XII 21 00 01 14.0–1.2 13.2N–.10 92.5E–.10 31 3.5b 22 7-55
IDC XII 21 00 01 09.8–1.6 13.20N 92.72E 0 3.9L,3.6 **¶602391762**
ISCJB XII 21 00 01 11.1–.00 13.1N–.10 92.42E–.07 31 3.4b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 29 04 34 46.4–1.1 10.4N–.20 93.9E–.20 19 3.7b,3.6s 9 9-76
IDC XII 29 04 34 43.4–1.0 10.33N 93.86E 0 3.9L,3.7 **¶602380823**
ISCJB XII 29 04 34 44.6–.88 10.4N–.10 94.0E–.10 19 3.6b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 30 02 20 08.3–1.4 10.8N–.30 93.9E–.50 35 3.7b 12 17-72
IDC XII 30 02 20 03.2–1.4 10.91N 93.92E 0 3.9,3.7 **¶602380869**
ISCJB XII 30 02 20 06.7–1.3 10.8N–.30 94.0E–.40 33 3.9b,3.6s
ISC Event type ke.
ISCJB Event type ke.

(704) Nicobar Islands region.

ISC VII 07 16 08 03.4–1.1 6.9N–.20 90.61E–.09 10 3.7b 10 10-72
IDC VII 07 16 08 02.4–1.2 6.86N 90.80E 0 3.8,3.8L **¶601663597**
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=20.6km az=55.0.
IDC VII 07 21 00 57.5–1.6 10.00N 92.65E 0 3.7,3.5b
¶601663605
IDC Error ellipse: s-maj=51.8km s-min=26.3km az=62.0.
ISC VII 09 07 41 20.9–1.6 8.3N–.20 92.2E–.30 24 3.6b 7 9-125
IDC VII 09 07 41 17.2–1.8 8.26N 92.16E 0 4.2L,3.8 **¶601664324**
ISC Event type ke.
IDC Error ellipse: s-maj=66.5km s-min=20.7km az=63.0.
ISC VII 12 18 49 45.7–.56 7.46N–.08 94.04E–.07 20 4.0b,3.4s 43 4-144
ISCJB VII 12 18 49 43.3–.47 7.36N–.06 94.07E–.05 20 4.0b,3.4s **¶601625028**
NEIC VII 12 18 49 50.7–1.0 7.56N 94.26E 60–10 4.4b,3.4s
IDC VII 12 18 49 50.4–2.8 7.52N 94.25E 57–26 3.9,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.2km az=27.9.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.7km az=69.0.
IDC Error ellipse: s-maj=24.4km s-min=14.0km az=56.0.
IDC VII 14 04 44 48.0–1.4 9.25N 94.14E 78–8 3.8,3.6
¶601664550
IDC Error ellipse: s-maj=58.8km s-min=16.5km az=57.0.
IDC VII 14 05 24 19.6–1.2 8.47N 95.12E 0 4.0,3.9
¶601664551
IDC Error ellipse: s-maj=51.2km s-min=18.2km az=54.0.
ISC VII 26 17 57 12.3–.68 8.43N–.10 93.58E–.08 26 3.9b 38 11-94
ISCJB VII 26 17 57 09.9–.64 8.24N–.08 93.61E–.07 26 3.9b **¶601666491**
IDC VII 26 17 57 21.5–3.6 8.70N 93.84E 103–31 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=9.6km az=177.9.
IDC Error ellipse: s-maj=22.0km s-min=13.2km az=46.0.
ISC VIII 02 14 00 49.3–.80 9.2N–.10 93.3E–.20 35 4.0b 13 8-145
IDC VIII 02 14 00 53.7–3.7 9.23N 93.68E 82–34 3.9,3.6 **¶601765349**
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=15.2km az=56.0.
ISC VIII 02 14 48 22.1–.51 9.03N–.06 93.52E–.09 23 4.3s,4.0b 53 2-145
ISCJB VIII 02 14 48 19.5–.48 8.91N–.07 93.53E–.07 23 4.3s,4.0b **¶601511886**
NEIC VIII 02 14 48 27.9–1.3 9.16N 93.67E 75–13 4.0b,4.0b
IDC VIII 02 14 48 27.1–3.6 9.19N 93.62E 65–33 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.1km az=44.4.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=7.9km az=64.0.
IDC Error ellipse: s-maj=37.0km s-min=17.8km az=60.0.
IDC IX 01 09 58 08.5–10 7.02N 93.30E 170–91 3.6,3.3
¶601862711
IDC Error ellipse: s-maj=71.2km s-min=15.6km az=56.0.
ISC IX 03 11 43 57.9–.74 6.90N–.07 94.8E–.10 206 3.6b 31 3-140
ISCJB IX 03 11 43 56.9–.60 6.88N–.04 94.73E–.08 206 3.4b **¶601672865**
IDC IX 03 11 43 57.9–3.0 7.05N 94.91E 202–28 3.9,3.5
DJA IX 03 11 44 02.1–.60 7N–3.0 95E–8.0 234–6 4.8b,4.6
ISC Event type ke.
ISCJB Event type ke.
ISC IX 08 07 18 17.4–.38 6.55N–.04 95.56E–.04 246–3 4.5b 290 1-161
ISCJB IX 08 07 18 15.6–.23 6.49N–.02 95.45E–.03 242–2 4.5b **¶601695810**
IDC IX 08 07 18 17.4–.55 6.65N 95.68E 248–5 4.7,4.2
NEIC IX 08 07 18 17.6–.43 6.57N 95.58E 249–4 4.6b,4.2
DJA IX 08 07 18 17.2–.20 6N–2.0 96E–2.0 228–2 6.8,5.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 09 19 07 12.8–1.9 6.1N–.10 95.67E–.07 10 13 1-48
DJA IX 09 19 07 17.5–.60 6N–4.0 96E–4.0 20–5 4.0,4.0 **¶601863250**
IDC IX 09 19 07 28.8–8.6 5.09N 95.20E 147–52 3.4,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=127.8km s-min=29.5km az=65.0.
ISC IX 29 11 24 34.4–.25 6.06N–.03 92.77E–.03 39–1 5.1b,4.7s 715 1-159
IDC IX 29 11 24 29.0–.40 6.15N 92.77E 0 5.3L,4.7 **¶601767286**
ISCJB IX 29 11 24 30.2–.66 6.06N–.02 92.77E–.02 20–4 5.1b,4.7s
BJI IX 29 11 24 30.6 5.97N 92.80E 29 5.2b,5.2b
DJA IX 29 11 24 31.4–.20 6N–2.0 93E–2.0 10 6.4,5.7
MOS IX 29 11 24 31.8–.95 6.15N 92.83E 30 5.3b,4.6s
NEIC IX 29 11 24 32.6–.91 6.11N 92.78E 23–6 5.3b,4.6s
GCMT IX 29 11 24 33.7–.10 6.12N–.01 92.73E–.01 24–0 5.4W,4.6s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c129; s114,c212;Duration: 1$\frac{1}{2}$2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25±.02 $M_{\theta\theta}$-0.75±.02; $M_{\phi\phi}$0.99±.02; $M_{r\theta}$0.11±.03; $M_{\theta\phi}$-1.01±.02; $M_{\theta r}$-0.58±.04; Best double couple: NP1:ϕ_s201.00000°,δ85.00000°,λ19.00000°. NP2:ϕ_s109.00000°,δ71.00000°,λ174.00000°. Principal axes: T 1.6340,Plg17.0000° ,Azm66.0000°; N -0.3970,Plg70.0000°,Azm216.0000°; P -1.2370,Plg9.0000°,Azm333.0000° M_o1.43500×10^{17}
IDC X 09 02 02 17.7–2.4 7.33N 93.84E 0 3.9,3.8
¶601997588
IDC Error ellipse: s-maj=141.8km s-min=23.8km az=54.0.
ISC X 20 10 38 19.0–.54 7.35N–.06 91.82E–.06 24 4.6b,3.4s 95 4-98
BJI X 20 10 38 14.6 7.01N 91.89E 22 4.7b,4.6b **¶601999034**
IDC X 20 10 38 15.0–1.0 7.40N 91.70E 0 4.3,4.1
ISCJB X 20 10 38 16.9–.34 7.28N–.03 91.80E–.04 24 4.5b,3.5s
DJA X 20 10 38 17.7–1.4 7N–4.0 92E–4.0 19–13 5.1b,5.0
NEIC X 20 10 38 19.6–.30 7.38N 91.80E 26 4.5b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=16.7km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=143.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=78.0.
ISC X 31 19 53 59.0–.94 8.5N–.10 94.0E–.10 100 4.0b 39 6-79
IDC X 31 19 53 54.0–6.7 8.19N 93.85E 58–59 4.4L,3.9 **¶601902241**
NEIC X 31 19 53 56.1–2.8 8.31N 93.97E 76–23 4.3b,3.9
ISCJB X 31 19 53 57.7–.71 8.49N–.08 94.00E–.06 100 3.9b,3.9
ISC Event type se.

NEIC Event type se.
ISCJB Event type se.
IDC XI 03 18 09 38.2–2.0 6.31N 92.67E 0 3.7,3.5
¶602388778
IDC Error ellipse: s-maj=52.1km s-min=35.5km az=24.0.
IDC XI 03 18 12 50.2–1.9 6.21N 92.69E 0 4.0,3.8
¶602388779
IDC Error ellipse: s-maj=51.9km s-min=35.1km az=26.0.
ISC XI 09 15 34 29.1–1.4 8.8N–.20 93.9E–.20 31 12 11-51
IDC XI 09 15 34 18.0–2.9 8.86N 92.58E 0 4.2,4.0L **¶602389099**
ISCJB XI 09 15 34 28.1–1.1 8.9N–.10 93.9E–.20 31 4.0b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC XI 11 15 42 47.6–.64 7.45N–.08 93.98E–.08 20 3.8b 37 4-80
IDC XI 11 15 42 44.4–.99 7.34N 93.88E 0 4.0,4.0L **¶601991723**
ISCJB XI 11 15 42 45.9–.54 7.48N–.06 94.12E–.08 20 3.9b,4.0L
NEIC XI 11 15 42 45.7–.39 7.38N 93.92E 10 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=16.9km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=5.4km az=142.7.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=218.0.
ISC XI 13 18 12 55.2–.50 7.65N–.07 94.42E–.07 24 4.4b 71 3-80
ISCJB XI 13 18 12 52.9–.32 7.57N–.04 94.35E–.05 24 4.3b,3.4s **¶602056706**
IDC XI 13 18 12 56.3–5.4 7.53N 94.20E 37–46 4.0L,3.8
NEIC XI 13 18 12 57.6–.62 7.54N 94.36E 53–6 4.6b,3.8
KLM XI 13 18 13 10.0 6.55N 95.00E 53 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.7km az=140.0.
IDC Error ellipse: s-maj=46.7km s-min=16.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.5km az=61.0.
IDC XI 17 11 50 36.7–2.0 6.25N 92.82E 0 4.0L,3.7
¶602389564
IDC Error ellipse: s-maj=52.4km s-min=36.4km az=23.0.
IDC XI 18 19 41 49.2–1.5 7.72N 92.08E 0 3.6L,3.5
¶602389624
IDC Error ellipse: s-maj=40.5km s-min=26.1km az=52.0.
IDC XII 02 10 07 59.9–7.4 8.43N 93.74E 0 3.9s,3.9
¶602390342
IDC Error ellipse: s-maj=373.0km s-min=22.9km az=60.0.
ISC XII 12 02 26 44.2–1.2 6.9N–.20 91.9E–.10 23 3.4b 7 11-51
IDC XII 12 02 26 40.8–1.4 6.88N 91.89E 0 4.2L,3.8 **¶602391140**
ISCJB XII 12 02 26 41.9–.94 6.9N–.10 91.8E–.10 23 3.5b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC XII 16 08 29 11.1–1.6 9.69N 93.08E 0 3.7,3.5b
¶602391458
IDC Error ellipse: s-maj=90.0km s-min=20.6km az=53.0.
ISC XII 20 13 23 25.3–1.6 6.1N–.20 94.3E–.20 100 3.5b 9 6-77
ISCJB XII 20 13 23 23.5–1.3 6.0N–.20 94.2E–.20 100 3.5b **¶602391734**
IDC XII 20 13 23 26.2–5.4 6.15N 94.49E 101–40 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.7km s-min=9.0km az=142.0.
IDC Error ellipse: s-maj=78.4km s-min=15.5km az=62.0.
IDC XII 30 20 59 34.0–1.1 8.78N 92.98E 0 4.0,3.9
¶602380909
IDC Error ellipse: s-maj=52.5km s-min=20.2km az=43.0.

(705) Off west coast of northern Sumatera.

DJA VII 01 04 13 01.6–2.8 3N–6.0 96E–22 19–23 3.5,3.5
¶602027356
ISC VII 01 11 19 39.4–1.0 0.6N–.10 92.0E–.10 35 3.6b,3.3s 16 5-147
IDC VII 01 11 19 34.8–1.4 0.56N 92.03E 0 4.3L,3.8 **¶601663358**
ISCJB VII 01 11 19 37.4–1.1 0.7N–.10 92.10E–.08 33 3.5b,3.3s
DJA VII 01 11 19 37.9–4.0 1N–16 92E–31 10 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VII 01 12 51 13.5–.68 1.26N–.06 96.99E–.07 28 4.3b,3.4s 55 1-144
BJI VII 01 12 51 07.6 0.61N 97.05E 35 4.7b,4.5b **¶601235559**
IDC VII 01 12 51 08.2–1.2 1.15N 96.91E 0 4.2,4.1
ISCJB VII 01 12 51 10.8–.48 1.21N–.05 96.91E–.05 28 4.3b,3.4s
DJA VII 01 12 51 10.6–1.2 1N–5.0 97E–6.0 16–8 4.0,4.0
NEIC VII 01 12 51 13.8–.44 1.23N 97.07E 35 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=15.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.2km az=40.9.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=49.0.
ISC VII 03 02 10 47.4–.44 3.24N–.07 92.97E–.05 35 4.5b,4.0s 137 3-144
IDC VII 03 02 10 42.7–.72 3.27N 92.80E 0 4.3,4.2 **¶601472660**
DJA VII 03 02 10 43.4–2.3 3N–14 93E–20 10 5.3b,5.2
NEIC VII 03 02 10 44.6–4.6 3.31N 92.98E 13–28 4.8b,5.2
BJI VII 03 02 10 44.0 3.30N 93.00E 15 4.7b,4.5b
ISCJB VII 03 02 10 45.8–.27 3.25N–.04 92.97E–.03 33 4.4b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 03 02 27 21.9–1.1 3.6N–.10 93.29E–.08 19 3.8b 15 3-51
IDC VII 03 02 27 20.2–3.4 3.73N 93.27E 0 3.9,3.9 **¶601663417**
DJA VII 03 02 27 45.8–1.0 4N–4.0 95E–7.0 10 4.7b,4.3
ISC Event type ke.
ISC VII 03 09 54 22.5–.79 2.42N–.05 95.90E–.07 25 4.0b 47 0-143
ISCJB VII 03 09 54 20.5–.58 2.46N–.06 95.73E–.06 25 3.9b,3.4s **¶601564424**
IDC VII 03 09 54 24.8–5.0 2.43N 95.86E 46–42 4.0L,3.9
NEIC VII 03 09 54 25.7–1.4 2.50N 95.95E 53–11 4.2b,3.9
DJA VII 03 09 54 27.7–.40 3N–2.0 96E–4.0 10 4.7b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 03 15 51 20.2–.97 2.1N–.10 93.68E–.08 35 4.1b 22 3-145
IDC VII 03 15 51 14.6–1.5 1.92N 93.52E 0 4.0,4.0 **¶601275643**
ISCJB VII 03 15 51 17.8–.87 2.0N–.10 93.56E–.06 33 4.0b,4.0
DJA VII 03 15 51 17.1–3.8 2N–15 94E–30 10 5.3b,4.8
NEIC VII 03 15 51 19.1–2.9 1.96N 93.56E 31–21 4.2b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=22.7km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=7.9km az=18.1.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.8km az=201.0.
ISC VII 03 23 18 58.5–1.3 2.7N–.20 92.70E–.09 35 3.8b,3.2s 13 6-145
IDC VII 03 23 18 53.9–1.7 2.71N 92.75E 0 3.8,3.8L **¶601351254**
NEIC VII 03 23 18 54.7–.96 2.63N 92.70E 10 4.1b,3.8L
ISCJB VII 03 23 18 56.0–1.1 2.6N–.20 92.69E–.07 33 3.7b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 04 00 55 25.9–1.7 3.5N–.20 92.7E–.10 24 3.8b 8 6-51
ISCJB VII 04 00 55 23.0–1.5 3.4N–.20 92.74E–.09 24 3.8b **¶601663456**
IDC VII 04 00 55 23.4–3.5 3.59N 92.72E 0 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.8km s-min=9.4km az=16.1.
IDC Error ellipse: s-maj=69.8km s-min=32.2km az=17.0.
IDC VII 04 03 27 56.9–1.9 0.56N 92.32E 0 4.2,4.2L
¶601663458
IDC Error ellipse: s-maj=59.6km s-min=30.3km az=53.0.
ISC VII 06 01 19 17.8–1.2 3.8N–.10 95.7E–.10 50 3.9b 11 3-66
ISCJB VII 06 01 19 15.6–.97 3.77N–.09 95.72E–.09 50 3.9b **¶601663528**
IDC VII 06 01 19 21.1–4.8 3.95N 96.05E 78–43 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=9.0km az=44.2.
IDC Error ellipse: s-maj=58.6km s-min=22.4km az=53.0.
ISC VII 08 00 29 56.6–.78 3.54N–.10 92.68E–.07 24 3.7b 24 3-80
DJA VII 08 00 29 52.7–3.6 4N–7.0 93E–31 10 5.1b,4.6 **¶601664265**
IDC VII 08 00 29 53.7–1.1 3.44N 92.69E 0 4.1L,3.9
ISCJB VII 08 00 29 55.3–.63 3.52N–.09 92.75E–.06 24 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VII 08 14 28 53.6–1.2 5.8N–.20 91.78E–.09 35 3.5b 9 11-57
IDC VII 08 14 28 48.5–1.4 5.81N 91.81E 0 4.0L,3.7 **¶601664289**
ISCJB VII 08 14 28 51.1–.91 5.8N–.10 91.72E–.07 33 3.6b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 10 22 34 29.2–.96 4.1N–.10 92.59E–.08 35 3.8b 19 4-50
IDC VII 10 22 34 25.3–1.9 4.08N 92.58E 0 4.1L,3.8 **¶601533430**
NEIC VII 10 22 34 26.0–.72 4.07N 92.54E 10 4.0b,3.8
ISCJB VII 10 22 34 27.4–.72 4.11N–.09 92.61E–.06 33 3.6b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 11 06 47 22.3–.66 1.44N–.07 92.05E–.07 35 4.5b,3.6s 96 4-146
DJA VII 11 06 47 15.7–3.7 1N–9.0 92E–31 10 5.3b,4.9 **¶601261445**
IDC VII 11 06 47 15.6–1.2 1.18N 91.93E 0 4.1,4.1L
NEIC VII 11 06 47 18.4–.63 1.43N 92.05E 10 4.4b,4.1L
ISCJB VII 11 06 47 19.5–.49 1.28N–.06 92.06E–.05 33 4.4b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 11 06 48 51.1–3.9 1.68N 92.23E 0 3.8,3.7
¶601664417
IDC Error ellipse: s-maj=144.0km s-min=27.5km az=56.0.
IDC VII 12 20 04 45.0–2.9 4.10N 94.41E 0 3.6L,3.5
¶601664500
IDC Error ellipse: s-maj=114.0km s-min=27.0km az=60.0.
ISC VII 14 15 09 54.0–1.8 1.90N–.06 96.63E–.07 17–12 3.6b 19 1-53
IDC VII 14 15 09 49.8–1.8 1.56N 96.25E 0 3.7,3.6b **¶601664572**
DJA VII 14 15 09 55.3–.50 2N–3.0 97E–4.0 10 3.3,3.3
ISC Event type ke.
ISC VII 14 20 42 10.7–.89 2.12N–.10 92.42E–.06 35 3.5b 24 4-145
IDC VII 14 20 42 06.5–1.5 2.03N 92.30E 0 3.8L,3.7 **¶601664582**
DJA VII 14 20 42 07.2–2.5 2N–9.0 92E–16 16–22 5.6b,5.1
ISCJB VII 14 20 42 09.3–.86 2.1N–.10 92.35E–.07 33 3.5b,5.1
ISC Event type ke.
ISCJB Event type ke.
IDC VII 16 14 17 41.4–2.1 3.64N 92.65E 0 3.9,3.9L
¶601664677
IDC Error ellipse: s-maj=56.2km s-min=31.3km az=48.0.
IDC VII 17 04 35 10.6–29 2.70N 90.49E 0 4.1L,4.0
¶601664705
IDC Error ellipse: s-maj=566.7km s-min=53.3km az=173.0.
ISC VII 17 18 48 08.6–.71 2.29N–.07 93.26E–.05 10 4.3b 52 3-98
ISCJB VII 17 18 48 07.4–.52 2.26N–.06 93.22E–.05 10 4.3b **¶601664735**
IDC VII 17 18 48 08.8–1.7 2.40N 93.55E 0 4.0,4.0L
NEIC VII 17 18 48 09.2–.53 2.26N 93.22E 10 4.7b,4.0L
DJA VII 17 18 48 17.3–.80 2N–5.0 94E–6.0 10 5.7b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 18 05 00 19.2–.55 2.66N–.04 95.47E–.06 25 4.5s,4.3b 81 1-143
IDC VII 18 05 00 15.5–.97 2.68N 95.53E 0 4.7L,4.5 **¶601472664**
ISCJB VII 18 05 00 17.5–.37 2.63N–.04 95.45E–.04 25 4.5s,4.3b
DJA VII 18 05 00 18.5–.90 3N–3.0 95E–4.0 21–6 4.3b,4.2
NEIC VII 18 05 00 20.4–1.2 2.64N 95.53E 36–10 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=16.8km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=43.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.0km az=72.0.
IDC VII 20 00 04 20.4–10 4.40N 91.91E 0 4.2L,3.9
¶601664856
IDC Error ellipse: s-maj=235.7km s-min=67.0km az=136.0.
ISC VII 20 18 52 17.0–.49 2.05N–.06 93.74E–.05 35 4.7b,3.8s 209 3-145
IDC VII 20 18 52 11.1–.77 1.95N 93.63E 0 4.5,4.4 **¶601453724**
BJI VII 20 18 52 11.2 1.59N 93.55E 29 4.9b,4.7b
MOS VII 20 18 52 14.3–1.1 2.02N 93.63E 33 4.9b,4.7b
ISCJB VII 20 18 52 14.5–.30 1.97N–.04 93.61E–.03 33 4.6b,3.8s
DJA VII 20 18 52 14.6–.70 2N–4.0 94E–6.0 10 5.4b,5.2
NEIC VII 20 18 52 16.8–.74 2.01N 93.65E 38–6 4.8b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=14.9km az=47.0.
MOS Error ellipse: s-maj=11.2km s-min=5.8km az=110.8.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.2km az=29.6.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.3km az=224.0.
IDC VII 21 01 39 51.7–27 3.25N 90.73E 0 3.8,3.8
¶601664898
IDC Error ellipse: s-maj=529.3km s-min=51.2km az=171.0.
ISC VII 22 09 39 15.2–.76 2.54N–.04 95.80E–.05 47–6 4.9b,4.2s 338 1-149
IDC VII 22 09 39 09.1–.57 2.60N 95.86E 0 4.8L,4.5 **¶601456931**
BJI VII 22 09 39 10.6 2.47N 95.90E 28 5.0b,5.0b
DJA VII 22 09 39 11.4–.70 3N–3.0 96E–4.0 18–4 5.4b,5.1
NEIC VII 22 09 39 12.8–1.6 2.62N 95.85E 22–11 4.9b,5.1
ISCJB VII 22 09 39 13.0–.57 2.61N–.03 95.85E–.04 39–4 4.8b,4.2s
MOS VII 22 09 39 13.5–.90 2.69N 95.92E 41 5.1b,4.2s
KLM VII 22 09 39 14.0 2.70N 95.72E 51 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=11.9km az=40.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.6km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=145.2.
MOS Error ellipse: s-maj=10.0km s-min=5.3km az=105.7.
IDC VII 22 10 21 12.6–2.0 2.55N 95.83E 0 4.4L,3.9
¶601664958
IDC Error ellipse: s-maj=83.9km s-min=20.1km az=58.0.
ISC VII 22 11 54 53.3–1.2 5.1N–.20 92.49E–.10 27 3.5b 8 12-59
IDC VII 22 11 54 49.6–1.4 5.12N 92.65E 0 3.8L,3.7 **¶601664969**
ISCJB VII 22 11 54 51.0–.90 5.0N–.10 92.42E–.09 27 3.4b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC VII 22 15 56 45.4–1.4 1.0N–.10 93.0E–.10 35 3.7b 16 4-146
IDC VII 22 15 56 38.9–2.5 0.81N 92.77E 0 3.7,3.6b **¶601664979**
ISCJB VII 22 15 56 44.1–1.1 0.96N–.10 93.03E–.07 33 3.7b,3.6b
DJA VII 22 15 56 49.9–1.0 1N–8.0 93E–6.0 10 5.3b,4.7
ISC Event type ke.
ISCJB Event type ke.
DJA VII 22 23 31 08.8–1.0 2N–5.0 93E–6.0 10 4.5b,4.4
¶602027882
IDC VII 23 18 58 15.5–3.7 4.36N 93.72E 0 3.5,3.4
¶601666330
IDC Error ellipse: s-maj=138.6km s-min=27.9km az=58.0.
ISC VII 24 18 02 58.6–1.2 4.5N–.20 92.3E–.10 35 3.8b 11 12-83
IDC VII 24 18 02 53.4–1.8 4.43N 92.26E 0 3.8,3.7 **¶601666384**
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=21.4km az=56.0.
DJA VII 25 02 43 31.5–.80 3N–3.0 96E–5.0 10 3.8,3.8
¶602027977
IDC VII 25 09 13 37.3–2.6 3.76N 93.57E 0 3.8,3.6
¶601666411
IDC Error ellipse: s-maj=107.5km s-min=22.9km az=59.0.
DJA VII 25 11 19 45.5–.90 2N–3.0 96E–5.0 10–3 3.5,3.5
¶602027989
ISC VII 25 21 39 31.6–1.7 2.9N–.20 95.8E–.30 27 3.8b 7 16-52
IDC VII 25 21 39 27.4–1.9 2.86N 95.74E 0 3.8,3.8L **¶601666443**
ISCJB VII 25 21 39 29.7–1.5 2.9N–.20 95.8E–.30 27 3.8b,3.6s
ISC Event type ke.
ISCJB Event type ke.
IDC VII 30 02 35 28.8–2.2 0.76N 92.03E 0 3.7,3.6
¶601650753
IDC Error ellipse: s-maj=70.6km s-min=30.4km az=52.0.

ISC	**VII**	**30 04 49 50.2–1.1**	**2.3N–.10**	**90.57E–.07**	**35**	**3.7b**	**19**	**6-146**	
IDC	VII	30 04 49 45.9–1.6	2.33N	90.27E	0	4.0,4.0L			**¶601650759**
DJA	VII	30 04 49 54.9–1.1	2N–11	91E–6.0	10	4.9b,4.7b			
ISC	Event type ke.								
ISC	**VII**	**31 11 24 28.3–.83**	**3.89N–.08**	**92.84E–.08**	**19**	**4.2b**	**37**	**3-80**	
IDC	VII	31 11 24 25.1–1.1	3.79N	92.51E	0	4.0,4.0L			**¶601650821**
ISCJB	VII	31 11 24 26.4–.55	3.89N–.07	92.79E–.05	19	4.1b,4.0L			
NEIC	VII	31 11 24 26.6–.49	3.85N	92.56E	10	4.4b,4.0L			
DJA	VII	31 11 24 33.2–1.9	4N–10	93E–27	28–49	4.4,4.4			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**VIII**	**02 18 02 34.6–.75**	**3.14N–.08**	**93.02E–.07**	**35**	**4.1b,3.3s**	**34**	**3-84**	
IDC	VIII	02 18 02 30.4–1.2	3.23N	92.93E	0	4.1L,4.0			**¶601513192**
NEIC	VIII	02 18 02 31.5–4.5	3.15N	92.85E	9–30	4.7b,4.0			
ISCJB	VIII	02 18 02 33.8–.57	3.23N–.07	93.12E–.05	33	4.0b,3.3s			
DJA	VIII	02 18 02 38.6–.70	3N–4.0	93E–5.0	10	5.3b,4.7b			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**03 10 11 10.6–.91**	**2.9N–.10**	**92.22E–.07**	**35**	**4.2b**	**27**	**4-145**	
IDC	VIII	03 10 11 05.7–1.3	2.91N	92.18E	0	4.4L,4.2			**¶601706364**
NEIC	VIII	03 10 11 07.0–.65	2.85N	92.12E	10	4.3b,4.2			
ISCJB	VIII	03 10 11 09.4–.84	3.0N–.10	92.32E–.08	33	4.1b,3.8s			
DJA	VIII	03 10 11 16.8–1.9	3N–8.0	93E–9.0	29–24	5.0b,4.6			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**03 14 51 44.0–1.1**	**5.1N–.20**	**92.7E–.10**	**27**	**3.9b**	**14**	**7-144**	
IDC	VIII	03 14 51 39.9–1.2	5.04N	92.73E	0	4.1,4.1L			**¶601765405**
ISCJB	VIII	03 14 51 42.1–1.0	5.1N–.20	92.7E–.10	27	4.3s,4.0b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**04 04 23 55.9–1.5**	**2.3N–.30**	**90.4E–.10**	**35**	**3.8b**	**8**	**11-146**	
IDC	VIII	04 04 23 51.5–2.0	2.43N	90.65E	0	3.8,3.8			**¶601765436**
ISCJB	VIII	04 04 23 53.2–1.5	2.3N–.20	90.3E–.10	33	3.7b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**04 13 33 43.1–.43**	**2.49N–.06**	**92.61E–.05**	**35**	**4.5b,4.1s**	**125**	**4-153**	
IDC	VIII	04 13 33 37.7–.57	2.46N	92.58E	0	4.5L,4.4			**¶601518150**
BJI	VIII	04 13 33 38.2	2.08N	92.58E	31	4.9b,4.7b			
NEIC	VIII	04 13 33 39.4–.31	2.53N	92.58E	10	4.5b,4.7b			
DJA	VIII	04 13 33 39.7–.50	3N–5.0	93E–4.0	10	5.4b,5.2			
ISCJB	VIII	04 13 33 40.7–.33	2.47N–.05	92.61E–.03	33	4.4b,4.0s			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**05 22 28 53.7–.74**	**3.28N–.09**	**92.94E–.07**	**35**	**4.2b**	**52**	**4-80**	
IDC	VIII	05 22 28 49.6–1.1	3.36N	92.91E	0	3.9,3.8			**¶601713617**
ISCJB	VIII	05 22 28 52.1–.49	3.36N–.07	92.93E–.04	33	4.1b,3.6s			
NEIC	VIII	05 22 28 54.2–.47	3.39N	92.89E	35	4.3b,3.6s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.5km s-min=17.7km az=45.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.0km s-min=5.9km az=18.2.								
NEIC	Event type se. Error ellipse: s-maj=11.4km s-min=6.2km az=208.0.								
ISC	**VIII**	**06 01 35 45.3–1.3**	**2.8N–.20**	**92.8E–.10**	**35**	**3.7b**	**9**	**6-81**	
IDC	VIII	06 01 35 39.3–1.7	2.61N	92.55E	0	4.2L,3.9			**¶601765529**
ISCJB	VIII	06 01 35 43.5–1.4	2.8N–.20	92.9E–.10	33	3.7b,3.2s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**06 09 47 53.3–.55**	**0.67N–.05**	**96.98E–.07**	**23**	**4.3b,3.6s**	**107**	**1-144**	
IDC	VIII	06 09 47 49.2–.68	0.65N	96.89E	0	4.3,4.2			**¶601520608**
ISCJB	VIII	06 09 47 51.1–.35	0.66N–.04	96.96E–.04	23	4.3b,3.6s			
BJI	VIII	06 09 47 52.1	0.65N	96.96E	26	5.0b,4.7b			
NEIC	VIII	06 09 47 54.5–.25	0.67N	96.99E	35	4.5b,4.7b			
DJA	VIII	06 09 47 56.1–.70	1N–3.0	97E–5.0	36–13	5.2b,5.0b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**VIII**	**06 17 32 10.6–1.9**	**2.4N–.20**	**93.9E–.20**	**17**	**3.8b**	**7**	**5-52**	
ISCJB	VIII	06 17 32 08.8–1.5	2.4N–.20	93.9E–.20	17	3.6b,3.1s			**¶601765566**
IDC	VIII	06 17 32 08.1–2.1	2.44N	93.88E	0	3.8,3.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=30.9km s-min=15.6km az=143.7.								
IDC	Error ellipse: s-maj=63.9km s-min=21.7km az=57.0.								
ISC	**VIII**	**07 02 26 28.1–.60**	**2.52N–.05**	**95.80E–.07**	**25**	**4.2b**	**69**	**1-83**	
IDC	VIII	07 02 26 24.8–.88	2.61N	95.84E	0	4.2L,4.1			**¶601529210**
ISCJB	VIII	07 02 26 26.3–.40	2.54N–.04	95.75E–.04	25	4.2b,4.1			
NEIC	VIII	07 02 26 27.4–4.4	2.53N	95.74E	19–26	4.4b,4.1			
DJA	VIII	07 02 26 29.9–1.1	3N–4.0	96E–9.0	25–6	4.9b,4.9b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**VIII**	**07 18 13 18.1–1.5**	**3.7N–.20**	**92.53E–.07**	**35**	**3.8b**	**23**	**5-80**	
IDC	VIII	07 18 13 17.1–1.2	4.01N	92.44E	0	3.8,3.8L			**¶601734822**
NEIC	VIII	07 18 13 17.5–.78	3.51N	92.71E	30	4.5b,3.8L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=43.8km s-min=19.5km az=52.0.								
NEIC	Event type se. Error ellipse: s-maj=16.6km s-min=7.3km az=200.0.								
ISC	**VIII**	**08 12 55 57.1–1.5**	**3.1N–.10**	**93.0E–.10**	**35**	**3.4b**	**15**	**3-49**	
IDC	VIII	08 12 55 52.8–2.9	3.27N	93.03E	0	4.0L,3.5			**¶601765658**
ISCJB	VIII	08 12 55 55.9–1.0	3.24N–.10	93.02E–.07	33	3.3b,3.5			
DJA	VIII	08 12 56 04.7–1.0	3N–5.0	93E–6.0	55	5.4b,4.9b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**08 21 01 45.9–1.1**	**3.2N–.20**	**92.75E–.10**	**35**	**3.6b**	**10**	**6-80**	
IDC	VIII	08 21 01 41.0–1.3	3.21N	92.72E	0	3.7,3.7L			**¶601765671**
ISCJB	VIII	08 21 01 43.5–.92	3.2N–.10	92.7E–.10	33	3.5b,3.7L			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VIII**	**08 21 09 00.1–2.0**	**3.14N**	**92.67E**	**0**	**3.8,3.7L**			
									¶601765672
IDC	Error ellipse: s-maj=51.8km s-min=26.3km az=40.0.								
ISC	**VIII**	**10 04 41 42.9–.44**	**1.89N–.03**	**96.97E–.04**	**27–2**	**5.2b,4.8s**	**964**	**1-175**	
BJI	VIII	10 04 41 39.3	1.77N	97.07E	22	5.4b,5.2b			**¶601534321**
NEIC	VIII	10 04 41 40.2–.12	1.90N	96.97E	8	5.2b,5.1W			
ISCJB	VIII	10 04 41 41.5–.58	1.90N–.02	97.02E–.02	27–4	5.2b,4.7s			
MOS	VIII	10 04 41 42.6–.98	1.99N	97.05E	33	5.5b,4.8s			
GCMT	VIII	10 04 41 42.2–.40	1.60N–.02	96.75E–.02	24	5.0W,4.8s			
DJA	VIII	10 04 41 43.3–.40	2N–2.0	97E–2.0	28–4	5.5b,5.5			
IDC	VIII	10 04 41 43.4–2.4	1.88N	96.99E	30–16	4.9,4.8b			
KLM	VIII	10 04 41 44.0	1.90N	96.76E	48	5.4b,4.8b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=214.0. Moment Tensor Solution. s33 Moment tensor: Scale 10^{16}Nm; M_{rr}2.73 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-1.40 $M_{r\theta}$2.98 $M_{\theta\phi}$-0.04 $M_{\phi r}$-3.51 Best double couple: NP1:ϕ_s140.00000°,δ78.00000°,λ89.00000°. NP2:ϕ_s323.00000° ,δ12.00000°,λ93.00000°. Principal axes: T 5.7300,Plg57.0000°,Azm49.0000° ; N -1.3900,Plg1.0000°,Azm140.0000°; P -4.3400,Plg33.0000°,Azm231.0000° M_ϕ5.20000×10^{16}								
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=137.7.								
MOS	Error ellipse: s-maj=7.8km s-min=4.2km az=112.6.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c71; s55,c64;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.15 $M_{\theta\theta}$-1.84±.10; $M_{\phi\phi}$-0.87±.13; $M_{r\theta}$2.12±.18; $M_{\theta\phi}$1.46±.07; $M_{\phi r}$-2.80±.20; Best double couple: NP1:ϕ_s139.00000°,δ71.00000°,λ99.00000°. NP2:ϕ_s292.00000°,δ21.00000°,λ65.00000°. Principal axes: T 4.4840,Plg63.0000° ,Azm64.0000°; N 0.0200,Plg9.0000°,Azm316.0000°; P -4.5080,Plg26.0000°,Azm222.0000° M_ϕ4.49600×10^{16}								
IDC	Error ellipse: s-maj=14.2km s-min=10.3km az=49.0.								
ISC	**VIII**	**10 22 05 48.8–3.7**	**2.4N–.40**	**93.1E–.20**	**21**	**3.6b**	**7**	**6-52**	
IDC	VIII	10 22 05 44.1–5.8	2.25N	92.89E	0	3.7L,3.6			**¶601765738**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=115.1km s-min=40.2km az=20.0.								
ISC	**VIII**	**12 21 46 40.6–.54**	**2.46N–.07**	**91.53E–.05**	**10**	**4.5b,3.4s**	**114**	**5-145**	
ISCJB	VIII	12 21 46 39.1–.36	2.59N–.05	91.55E–.03	10	4.3b,3.4s			**¶601554145**
NEIC	VIII	12 21 46 39.8–3.8	2.51N	91.47E	5–23	4.5b,3.4s			
IDC	VIII	12 21 46 39.3–.78	2.61N	91.55E	0	4.3,4.1			
DJA	VIII	12 21 46 55.2–1.2	3N–7.0	93E–10	10	5.0b,4.6			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
IDC	**VIII**	**12 21 50 07.3–10**	**1.94N**	**95.74E**	**0**	**3.6,3.6b**			
									¶601765786
IDC	Error ellipse: s-maj=212.5km s-min=108.7km az=146.0.								
ISC	**VIII**	**13 15 07 35.3–.88**	**2.6N–.10**	**90.25E–.06**	**10**	**3.9b**	**35**	**6-73**	
ISCJB	VIII	13 15 07 33.5–.71	2.64N–.09	90.12E–.06	10	3.9b,3.1s			**¶601605958**
IDC	VIII	13 15 07 34.6–1.5	2.76N	90.19E	0	3.8,3.8			
NEIC	VIII	13 15 07 36.2–4.5	2.71N	90.11E	11–28	4.0b,3.8			
DJA	VIII	13 15 07 48.4–1.1	3N–6.0	91E–7.0	10	4.9b,4.6b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**VIII**	**13 21 12 28.5–.40**	**2.77N–.05**	**92.10E–.05**	**10**	**4.6b,3.4s**	**231**	**4-145**	
BJI	VIII	13 21 12 22.2	2.13N	91.91E	10	4.8b,4.6b			**¶601556031**
IDC	VIII	13 21 12 26.8–.56	2.70N	92.11E	0	4.5,4.4			
ISCJB	VIII	13 21 12 26.9–.24	2.65N–.04	92.06E–.03	10	4.5b,3.5s			
NEIC	VIII	13 21 12 28.7–.24	2.73N	92.07E	10	4.7b,3.5s			
DJA	VIII	13 21 12 29.2–.50	3N–5.0	92E–5.0	10	5.2b,5.1b			
MOS	VIII	13 21 12 29.2–.92	2.73N	92.15E	27	4.7b,5.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=18.0km s-min=12.9km az=40.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=21.0.								
NEIC	Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=204.0.								
MOS	Error ellipse: s-maj=11.3km s-min=5.6km az=110.7.								
ISC	**VIII**	**14 19 27 05.6–1.1**	**1.95N–.08**	**96.56E–.08**	**28**	**3.7b**	**14**	**1-53**	
DJA	VIII	14 19 26 49.9–1.8	2N–11	95E–14	10	4.0,4.0			**¶601765848**
IDC	VIII	14 19 27 01.6–1.7	1.96N	96.61E	0	3.7,3.6			
ISCJB	VIII	14 19 27 04.0–1.0	1.98N–.09	96.6E–.10	28	3.6b,3.6			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**15 22 45 45.1–1.3**	**2.3N–.20**	**90.2E–.10**	**35**	**3.8b**	**10**	**9-146**	
IDC	VIII	15 22 45 39.9–1.7	2.44N	90.16E	0	4.0,3.9			**¶601765906**
ISCJB	VIII	15 22 45 42.8–1.3	2.3N–.20	90.18E–.08	33	3.9b,2.9s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**16 10 56 32.2–1.3**	**2.2N–.20**	**93.0E–.10**	**35**	**3.7b**	**9**	**6-81**	
IDC	VIII	16 10 56 26.2–1.2	2.06N	92.78E	0	3.8,3.7			**¶601765938**
ISCJB	VIII	16 10 56 30.0–1.0	2.2N–.20	93.0E–.10	33	3.8s,3.6b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**16 17 18 24.6–1.0**	**4.3N–.10**	**90.17E–.10**	**35**	**3.9b,3.6s**	**27**	**9-82**	
IDC	VIII	16 17 18 19.9–1.2	4.49N	90.23E	0	3.9,3.9L			**¶601736117**
NEIC	VIII	16 17 18 21.4–.58	4.48N	90.26E	10	4.6b,3.9L			
ISCJB	VIII	16 17 18 22.3–.81	4.22N–.10	90.19E–.09	33	3.9b,3.5s			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**VIII**	**17 09 49 28.9–3.0**	**4.28N**	**93.88E**	**0**	**3.8,3.6**			
									¶601765980
IDC	Error ellipse: s-maj=118.2km s-min=26.7km az=53.0.								
ISC	**VIII**	**17 22 28 13.7–1.5**	**2.3N–.20**	**90.11E–.09**	**35**	**3.8b**	**10**	**9-56**	
IDC	VIII	17 22 28 09.3–2.0	2.28N	90.07E	0	3.7,3.7			**¶601766018**
ISCJB	VIII	17 22 28 11.5–1.3	2.2N–.20	90.1E–.10	33	3.7b,3.7s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**18 00 07 43.4–.99**	**4.5N–.20**	**90.26E–.09**	**35**	**4.1b,3.3s**	**23**	**9-81**	
IDC	VIII	18 00 07 39.1–1.2	4.58N	90.19E	0	4.2,4.1			**¶601667490**
NEIC	VIII	18 00 07 40.2–.72	4.51N	90.21E	10	4.3b,4.1			
ISCJB	VIII	18 00 07 41.9–.91	4.5N–.10	90.15E–.10	33	4.0b,3.3s			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**19 14 24 20.4–1.0**	**1.2N–.10**	**92.04E–.09**	**35**	**3.9b,3.4s**	**25**	**4-146**	
IDC	VIII	19 14 24 13.6–1.4	0.95N	91.68E	0	4.0L,3.9			**¶601766155**
ISCJB	VIII	19 14 24 17.2–.94	1.0N–.10	91.86E–.08	33	3.8b,3.4s			
DJA	VIII	19 14 24 25.6–1.8	1N–7.0	92E–18	17–25	5.2b,4.7			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**20 11 18 30.0–.32**	**3.31N–.04**	**92.89E–.04**	**35**	**4.7b,4.1s**	**307**	**4-157**	
BJI	VIII	20 11 18 24.4	3.00N	92.73E	22	4.8b,4.8b			**¶601566719**
IDC	VIII	20 11 18 24.7–.41	3.33N	92.89E	0	4.7L,4.4			
DJA	VIII	20 11 18 26.8–.30	3N–3.0	93E–3.0	10	6.0,5.7b			
ISCJB	VIII	20 11 18 27.9–.19	3.28N–.03	92.92E–.02	33	4.7b,4.1s			
MOS	VIII	20 11 18 28.5–.98	3.40N	92.93E	36	5.0b,4.1s			
NEIC	VIII	20 11 18 28.4–.17	3.32N	92.89E	23	5.0b,4.1s			
GCMT	VIII	20 11 18 29.4–.50	3.42N–.02	92.97E–.03	36–2	4.9W,4.1s			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c33; s60,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.19 $M_{\theta\theta}$-1.12±.12; $M_{\phi\phi}$0.94±.14; $M_{r\theta}$-1.42±.15; $M_{\theta\phi}$-2.24±.10; $M_{\phi r}$-0.23±.16; Best double couple: NP1:ϕ_s102.00000°,δ86.00000° ,λ-152.00000°. NP2:ϕ_s10.00000°,δ63.00000°,λ-5.00000°. Principal axes: T 2.5420,Plg16.0000°,Azm233.0000°; N 0.5560,Plg62.0000°,Azm111.0000° ; P -3.0940,Plg22.0000°,Azm330.0000° M_ϕ2.81800×10^{16}								
IDC	**VIII**	**20 18 51 45.4–2.6**	**3.09N**	**92.84E**	**0**	**3.5,3.4**			
									¶601766213
IDC	Error ellipse: s-maj=85.8km s-min=29.3km az=52.0.								
IDC	**VIII**	**23 13 23 03.5–3.6**	**3.13N**	**93.39E**	**0**	**3.8L,3.6**			
									¶601766360
IDC	Error ellipse: s-maj=119.1km s-min=33.8km az=61.0.								
ISC	**VIII**	**24 21 49 21.7–.47**	**3.10N–.06**	**93.76E–.05**	**18**	**4.5b,4.0s**	**127**	**3-144**	
DJA	VIII	24 21 49 16.7–1.1	3N–5.0	93E–11	10	5.3b,4.9			**¶601625208**
IDC	VIII	24 21 49 18.8–.66	3.13N	93.79E	0	4.2b,4.2			
ISCJB	VIII	24 21 49 19.6–.27	3.01N–.04	93.75E–.03	18	4.4b,4.1s			
NEIC	VIII	24 21 49 20.1–.28	3.09N	93.74E	10	4.7b,4.1s			
BJI	VIII	24 21 49 20.0	2.90N	93.62E	21	5.0b,4.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.9km s-min=13.0km az=39.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=26.4.								
NEIC	Event type se. Error ellipse: s-maj=7.6km s-min=4.6km az=207.0.								
ISC	**VIII**	**25 00 25 54.0–1.1**	**1.90N–.08**	**96.56E–.08**	**28**	**3.5b**	**15**	**1-53**	
IDC	VIII	25 00 25 47.9–1.7	1.61N	96.03E	0	3.7,3.6			**¶601766424**
DJA	VIII	25 00 25 53.7–.60	2N–7.0	97E–7.0	10	3.4,3.4			
ISC	Event type ke.								
ISC	**VIII**	**25 02 11 18.4–1.2**	**2.6N–.20**	**90.1E–.10**	**35**	**3.5b**	**10**	**9-146**	
IDC	VIII	25 02 11 13.7–1.3	2.66N	90.14E	0	3.7,3.6			**¶601766426**
ISCJB	VIII	25 02 11 15.9–.99	2.6N–.20	90.1E–.10	33	3.6b,3.4s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VIII**	**26 15 43 00.2–1.3**	**2.06N–.10**	**94.3E–.10**	**35**	**4.0b**	**27**	**2-52**	
IDC	VIII	26 15 42 53.9–1.8	1.94N	93.96E	0	3.9,3.8b			**¶601690302**
NEIC	VIII	26 15 42 55.5–.51	1.96N	94.02E	10	4.4b,3.8b			
DJA	VIII	26 15 42 56.4–4.1	2N–10	94E–34	10	5.3b,4.7			
ISCJB	VIII	26 15 42 57.0–.78	2.00N–.07	94.07E–.07	33	4.0b,4.7			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**VIII**	**27 09 45 57.6–1.7**	**1.1N–.20**	**92.2E–.20**	**35**	**3.8b**	**8**	**7-146**	
IDC	VIII	27 09 45 51.8–1.9	1.01N	92.08E	0	4.3L,4.1			**¶601766559**
ISCJB	VIII	27 09 45 55.8–1.4	1.2N–.10	92.3E–.20	33	4.0b,4.1			

ISC Event type ke.
ISCJB Event type ke.
ISC VIII 27 16 21 01.7–.97 1.3N–.20 92.0E–.20 10 3.9b 11 18-81
ISCJB VIII 27 16 21 00.1–.81 1.3N–.10 92.0E–.10 10 3.9b **¶601766574**
IDC VIII 27 16 21 00.1–.88 1.23N 91.94E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=16.3km az=152.2.
IDC Error ellipse: s-maj=27.9km s-min=19.4km az=56.0.
DJA VIII 28 05 10 55.0–1.0 3N–4.0 96E–6.0 16–4 3.6,3.6
¶602028761
DJA VIII 28 07 13 59.0–11 2N–18 92E–59 30–164 5.0b,4.6b
¶602028765
ISC VIII 28 15 51 07.5–.35 4.42N–.03 92.98E–.03 24–2 5.2b,5.0s 665 3-158
IDC VIII 28 15 51 03.9–.33 4.45N 93.01E 0 5.1L,4.8 **¶601628804**
ISCJB VIII 28 15 51 04.3–.82 4.39N–.02 92.94E–.02 15–5 5.1b,4.9s
BJI VIII 28 15 51 04.2 4.26N 92.98E 21 5.3b,5.2s
NEIC VIII 28 15 51 06.8–1.4 4.41N 92.99E 23–9 5.4b,5.3W
DJA VIII 28 15 51 06.4–.20 4N–2.0 93E–2.0 10 6.0,5.7b
MOS VIII 28 15 51 06.8–1.1 4.43N 92.97E 33 5.4b,4.7s
GCMT VIII 28 15 51 07.8–.10 4.47N–.01 92.94E–.01 18–0 5.4W,4.7s
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}0.16 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.53 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.22 Best double couple: NP1:ϕ_s104.00000° ,δ80.00000°,λ177.00000°. NP2:ϕ_s195.00000°,δ87.00000°,λ10.00000°. Principal axes: T 1.2200,Plg10.0000°,Azm60.0000°; N 0.1500,Plg79.0000°,Azm211.0000° ; P -1.3700,Plg5.0000°,Azm329.0000° $M_0$1.30000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c155; s118,c219;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$0.71±.02; $M_{r\theta}$-0.23±.05; $M_{\theta\phi}$-1.40±.02; $M_{\phi r}$-0.78±.07; Best double couple: NP1:ϕ_s10.00000°,δ84.00000°,λ-29.00000°. NP2:ϕ_s103.00000°,δ62.00000°,λ-174.00000°. Principal axes: T 1.7800,Plg15.0000° ,Azm60.0000°; N -0.0850,Plg61.0000°,Azm180.0000°; P -1.6960,Plg24.0000° ,Azm323.0000° $M_0$1.73800×10^{17}
ISC VIII 30 21 28 55.5–.94 3.44N–.08 92.77E–.08 35 4.1b 26 4-57
ISCJB VIII 30 21 28 52.9–.85 3.33N–.08 92.74E–.06 33 4.1b,3.4s **¶601664242**
IDC VIII 30 21 28 53.0–3.4 3.72N 92.76E 0 4.1,4.1
NEIC VIII 30 21 28 54.1–.98 3.76N 92.75E 10 4.2b,4.1
DJA VIII 30 21 29 04.8–1.3 4N–5.0 94E–17 28–29 5.0b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IX 01 15 57 50.6–3.0 4.50N 93.22E 0 3.7,3.6b
¶601862727
IDC Error ellipse: s-maj=89.9km s-min=28.7km az=54.0.
ISC IX 01 23 26 45.6–.91 3.0N–.10 93.9E–.10 17 4.1b 23 5-84
IDC IX 01 23 26 42.5–.90 2.93N 93.74E 0 4.0L,3.9 **¶601734422**
ISCJB IX 01 23 26 43.2–.65 2.89N–.10 93.7E–.10 17 4.0b,3.9
NEIC IX 01 23 26 43.9–.54 2.88N 93.68E 10 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=14.6km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=9.4km az=138.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.1km az=48.0.
IDC IX 02 03 47 37.8–6.0 2.01N 92.52E 0 3.6,3.5
¶601862764
IDC Error ellipse: s-maj=215.1km s-min=29.3km az=62.0.
ISC IX 04 02 59 04.9–.83 0.1N–.10 92.2E–.10 35 3.8b 21 6-147
IDC IX 04 02 59 00.4–1.5 0.01N 92.08E 0 4.1L,3.9 **¶601836701**
NEIC IX 04 02 59 01.8–.52 0.04N 92.15E 10 4.5b,3.9
ISCJB IX 04 02 59 03.5–.76 0.07N–.08 92.32E–.09 33 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 09 07 16 18.7–1.0 2N–5.0 92E–6.0 30 5.0b,4.3b
¶602029476
IDC IX 09 21 49 36.0–1.8 3.50N 92.81E 0 3.8L,3.7
¶601863265
IDC Error ellipse: s-maj=52.0km s-min=22.9km az=40.0.
ISC IX 10 12 14 01.7–.77 2.65N–.09 90.12E–.08 10 4.4b 34 6-146
ISCJB IX 10 12 13 59.0–.51 2.54N–.06 90.02E–.06 10 4.2b,3.5s **¶601699597**
DJA IX 10 12 13 59.2–.40 3N–7.0 90E–3.0 10 5.0b,4.8
IDC IX 10 12 13 59.8–.76 2.54N 89.89E 0 4.3,4.2b
NEIC IX 10 12 14 00.9–.48 2.55N 89.89E 10 4.2b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=38.4.
IDC Error ellipse: s-maj=21.2km s-min=19.5km az=44.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.4km az=51.0.
ISC IX 10 19 08 47.5–.46 0.87N–.04 92.79E–.04 29–2 4.7b,3.9s 285 4-156
BJI IX 10 19 08 39.6 0.40N 92.80E 10 4.9b,4.6b **¶601703082**
IDC IX 10 19 08 43.0–.37 0.85N 92.70E 0 4.5,4.4
ISCJB IX 10 19 08 42.4–1.2 0.83N–.03 92.71E–.03 8–7 4.6b,3.9s
MOS IX 10 19 08 47.0–1.2 0.99N 92.76E 37 4.9b,3.9s
NEIC IX 10 19 08 47.2–1.9 0.87N 92.74E 27–13 4.8b,3.9s
DJA IX 10 19 08 50.1–.50 1N–3.0 93E–4.0 10 5.5b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 11 02 24 10.1–.80 3.38N–.05 92.76E–.04 19–3 4.8b,4.2s 299 3-149
BJI IX 11 02 24 05.7 3.02N 92.69E 23 5.0b,4.8b **¶601703101**
IDC IX 11 02 24 07.6–.46 3.48N 92.71E 0 4.5,4.4L
NEIC IX 11 02 24 08.8–.20 3.47N 92.77E 10 4.9b,4.4L
ISCJB IX 11 02 24 09.9–1.6 3.42N–.04 92.79E–.04 30–11 4.7b,4.2s
MOS IX 11 02 24 09.6–.93 3.54N 92.80E 26 5.1b,4.2s
DJA IX 11 02 24 16.3–.90 3N–6.0 93E–5.0 25–6 5.1b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 11 03 48 14.3–14 3.29N 92.92E 0 4.0,3.8
¶601863330
IDC Error ellipse: s-maj=355.5km s-min=69.2km az=130.0.
IDC IX 11 06 29 40.4–22 3.50N 92.79E 0 4.1,4.1L
¶601863337
IDC Error ellipse: s-maj=460.0km s-min=115.6km az=146.0.
ISC IX 11 12 22 58.5–1.1 3.5N–.10 92.80E–.08 35 3.7b 14 3-51
IDC IX 11 12 22 54.2–1.6 3.50N 92.72E 0 3.9,3.8 **¶601863354**
ISCJB IX 11 12 22 56.7–.83 3.55N–.09 92.72E–.07 33 3.7b,3.8
DJA IX 11 12 23 03.5–1.3 4N–6.0 93E–8.0 10 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 11 13 38 18.9–1.2 3.5N–.20 92.74E–.10 24 3.6b 11 6-51
IDC IX 11 13 38 15.8–1.8 3.53N 92.70E 0 3.8,3.8L **¶601863358**
ISCJB IX 11 13 38 16.8–1.1 3.5N–.10 92.63E–.09 24 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 15 04 47.9–.74 3.39N–.07 92.81E–.06 35 4.0b 43 3-53
IDC IX 13 15 04 44.1–1.5 3.48N 92.77E 0 3.8L,3.7 **¶601851680**
NEIC IX 13 15 04 45.0–.39 3.46N 92.73E 10 4.6b,3.7
ISCJB IX 13 15 04 46.4–.49 3.46N–.05 92.80E–.04 33 3.8b,3.7
DJA IX 13 15 04 53.1–1.0 3N–4.0 93E–7.0 10 4.5b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 16 06 07 29.6–.37 3.53N–.04 90.18E–.04 35 4.7b,4.3s 167 5-155
IDC IX 16 06 07 24.4–.43 3.63N 90.15E 0 4.6L,4.4 **¶601717951**
DJA IX 16 06 07 25.3–.30 4N–7.0 90E–3.0 10 5.6,5.5b
BJI IX 16 06 07 25.3 3.60N 90.10E 10 5.0b,4.9b
NEIC IX 16 06 07 26.1–.21 3.58N 90.13E 10 4.9b,4.9b
ISCJB IX 16 06 07 27.6–.24 3.61N–.04 90.24E–.03 33 4.6b,4.3s
GCMT IX 16 06 07 29.1–.20 3.62N–.01 90.24E–.01 27–1 5.1W,4.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c83; s103,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.18 $M_{\theta\theta}$-4.21±.13; $M_{\phi\phi}$4.65±.14; $M_{r\theta}$-0.50±.28; $M_{\theta\phi}$-4.20±.14; $M_{\phi r}$-0.60±.29; Best double couple: NP1:ϕ_s23.00000°,δ87.00000°,λ-7.00000°. NP2:ϕ_s113.00000°,δ83.00000°,λ-177.00000°. Principal axes: T 6.3450,Plg3.0000° ,Azm68.0000°; N -0.3760,Plg82.0000°,Azm182.0000°; P -5.9700,Plg7.0000°,Azm338.0000° $M_0$6.15700×10^{16}
ISC IX 16 16 17 24.2–.32 0.48N–.04 96.87E–.05 23 4.7b,3.8s 304 1-158
BJI IX 16 16 17 20.9 0.27N 97.07E 16 5.2b,4.8b **¶601717992**
IDC IX 16 16 17 21.0–.48 0.51N 96.81E 0 4.6,4.5L
ISCJB IX 16 16 17 22.7–.18 0.48N–.02 96.91E–.02 23 4.6b,3.9s
NEIC IX 16 16 17 23.3–2.0 0.49N 96.90E 16–12 4.8b,3.9s
MOS IX 16 16 17 24.6–.83 0.58N 96.91E 33 4.9b,3.9s
DJA IX 16 16 17 24.5–.50 1N–2.0 97E–4.0 45–16 5.1b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 16 20 28 55.6–.56 0.52N–.05 96.82E–.07 23 4.3b 79 1-144
IDC IX 16 20 28 52.0–.60 0.43N 96.78E 0 4.3,4.2 **¶601721506**
ISCJB IX 16 20 28 54.2–.36 0.52N–.03 96.90E–.04 23 4.2b,3.3s
BJI IX 16 20 28 54.0 0.60N 96.90E 10 5.1b,4.6b
DJA IX 16 20 28 55.9–1.1 1N–3.0 97E–5.0 37–28 5.4b,4.9
NEIC IX 16 20 28 57.4–.47 0.51N 96.90E 35 4.3b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=151.7.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=61.0.
ISC IX 17 19 43 27.2–1.6 3.1N–.20 92.87E–.09 35 3.8b 10 6-81
NEIC IX 17 19 43 24.5–1.4 3.14N 92.82E 10 4.3b **¶601839262**
ISCJB IX 17 19 43 27.0–1.7 3.2N–.20 93.0E–.10 35 3.8b
IDC IX 17 19 43 26.8–1.3 3.63N 92.61E 0 3.9,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=13.9km az=188.0.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=15.2km az=21.5.
IDC Error ellipse: s-maj=42.2km s-min=20.9km az=49.0.
ISC IX 18 09 35 01.9–.49 0.58N–.04 96.80E–.06 23 4.3b 73 1-144
IDC IX 18 09 34 58.1–.76 0.33N 96.56E 0 4.2,4.1 **¶601722615**
ISCJB IX 18 09 35 00.2–.33 0.56N–.03 96.81E–.04 23 4.4b,3.8s
DJA IX 18 09 35 02.4–.90 1N–2.0 97E–4.0 27–8 6.5b,6.3
NEIC IX 18 09 35 03.1–.34 0.50N 96.86E 35 4.7b,6.3
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=14.3km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=158.2.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=215.0.
ISC IX 18 15 59 39.0–.40 3.64N–.05 92.61E–.05 24 4.7b,3.6s 251 3-145
BJI IX 18 15 59 32.3 3.30N 92.65E 10 4.9b,4.6b **¶601723824**
IDC IX 18 15 59 35.8–.58 3.72N 92.62E 0 4.5,4.4
NEIC IX 18 15 59 36.1–2.2 3.76N 92.64E 3–13 4.7b,4.4
ISCJB IX 18 15 59 37.4–.22 3.69N–.03 92.67E–.02 24 4.6b,3.6s
MOS IX 18 15 59 39.0–.98 3.79N 92.69E 33 4.9b,3.6s
DJA IX 18 15 59 41.8–.80 4N–4.0 93E–5.0 53–22 5.2b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 19 20 30 21.0–2.2 0.81N 92.25E 0 3.7,3.7L
¶601863850
IDC Error ellipse: s-maj=48.3km s-min=29.8km az=48.0.
ISC IX 20 00 20 33.3–.53 0.13N–.08 92.12E–.08 10 4.6b,3.4s 113 5-148
ISCJB IX 20 00 20 31.0–.30 0.09N–.05 92.23E–.03 10 4.5b,3.3s **¶601734522**
IDC IX 20 00 20 31.2–.63 0.14N 92.16E 0 4.4,4.3
NEIC IX 20 00 20 32.5–.30 0.06N 92.13E 10 4.5b,4.3
DJA IX 20 00 20 49.1–.70 1N–4.0 93E–5.0 10 5.5b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 20 06 23 29.2–1.1 2.83N–.09 95.6E–.10 27 4.1b 17 1-128
ISCJB IX 20 06 23 28.0–.97 2.79N–.08 95.54E–.08 27 4.0b,3.2s **¶601863870**
DJA IX 20 06 23 27.3–1.7 3N–8.0 95E–12 14–11 3.8,3.8
IDC IX 20 06 23 35.4–7.2 2.94N 95.83E 70–55 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.0km az=135.3.
IDC Error ellipse: s-maj=68.2km s-min=18.5km az=56.0.
ISC IX 20 06 54 32.5–.72 3.02N–.07 95.96E–.08 31 4.5b 57 1-85
DJA IX 20 06 54 29.0–1.4 3N–6.0 96E–9.0 12–9 5.2b,4.6 **¶601734526**
NEIC IX 20 06 54 31.4–.43 2.67N 95.51E 35 4.0b,4.6
IDC IX 20 06 54 34.6–7.2 2.89N 95.74E 52–57 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.1km az=54.0.
IDC Error ellipse: s-maj=59.4km s-min=15.4km az=57.0.
IDC IX 20 09 57 09.8–1.9 0.56N 96.98E 0 3.7,3.6L
¶601863882
IDC Error ellipse: s-maj=55.3km s-min=21.6km az=61.0.
ISC IX 20 13 42 13.6–.79 2.71N–.08 92.35E–.07 35 3.7b,3.2s 40 4-97
IDC IX 20 13 42 08.6–1.3 2.80N 92.25E 0 4.0,4.0L **¶601734532**
ISCJB IX 20 13 42 11.9–.78 2.69N–.07 92.30E–.07 33 3.8b,3.3s
DJA IX 20 13 42 11.8–1.2 3N–6.0 92E–3.0 20–11 5.1b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC IX 22 13 03 46.2–1.4 0.56N 92.51E 0 4.0,3.8
¶601863992
IDC Error ellipse: s-maj=42.9km s-min=20.4km az=54.0.
ISC IX 22 18 07 54.5–1.1 4.92N–.05 94.43E–.06 42–10 4.5b,3.4s 106 1-146
DJA IX 22 18 07 43.4–1.6 5N–19 94E–29 14–32 5.1b,4.8 **¶601736809**
BJI IX 22 18 07 52.6 4.64N 94.65E 63 4.8b,4.5b
ISCJB IX 22 18 07 54.0–.64 4.94N–.04 94.45E–.05 55–6 4.5b,3.3s
IDC IX 22 18 07 54.2–5.5 5.09N 94.47E 33–41 4.2,4.1
NEIC IX 22 18 07 56.2–.66 5.03N 94.55E 53–6 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=144.1.
IDC Error ellipse: s-maj=22.8km s-min=12.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=50.0.
IDC IX 24 02 57 57.0–1.9 3.64N 93.17E 0 4.0,3.9
¶601864071
IDC Error ellipse: s-maj=56.5km s-min=22.3km az=37.0.
ISC IX 25 14 06 22.8–.95 1.70N–.08 95.16E–.08 35 4.0b 37 1-84
IDC IX 25 14 06 16.5–3.4 1.45N 95.01E 0 4.0,3.9b **¶601780630**
NEIC IX 25 14 06 18.5–.58 1.55N 95.06E 10 4.5b,3.9b
ISCJB IX 25 14 06 20.6–.58 1.62N–.06 95.13E–.04 33 4.0b,3.8s
DJA IX 25 14 06 21.9–1.0 2N–4.0 95E–7.0 10 4.8b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 29 06 59 18.8–1.3 2.55N–.08 95.89E–.09 25 3.7b 12 0-46
IDC IX 29 06 59 14.9–4.9 2.51N 95.95E 0 3.6,3.5 **¶601857485**
ISCJB IX 29 06 59 16.4–1.1 2.49N–.08 95.73E–.07 25 3.5b,3.5
DJA IX 29 06 59 17.0–1.3 3N–6.0 96E–7.0 13–5 4.2b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 03 19 14 40.3–1.0 3.8N–.20 92.55E–.09 35 3.4b,3.3s 11 6-82
IDC X 03 19 14 35.5–1.1 3.88N 92.55E 0 3.9L,3.7 **¶601996970**
ISCJB X 03 19 14 38.0–.81 3.8N–.10 92.55E–.08 33 3.4b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC X 04 21 10 17.1–1.5 2.0N–.10 96.4E–.10 28 3.4b 16 0-53
IDC X 04 21 10 13.2–1.9 2.04N 96.22E 0 3.7,3.7b **¶601997062**
ISCJB X 04 21 10 15.5–1.1 1.95N–.07 96.26E–.10 28 3.6b,3.7b
DJA X 04 21 10 17.2–1.0 2N–6.0 96E–9.0 10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC X 04 21 23 35.2–.60 1.98N–.05 96.27E–.06 28 4.5b 63 0-55

IDC X 04 21 23 30.3–1.4 1.88N 96.26E 0 4.0,3.9 ¶601833131
BJI X 04 21 23 32.8 1.78N 96.42E 30 5.0b,4.5b
DJA X 04 21 23 32.5–.70 2N–3.0 96E–5.0 15–5 5.9b,5.5
ISCJB X 04 21 23 33.6–.44 2.01N–.04 96.28E–.05 28 4.4b,3.6s
NEIC X 04 21 23 36.4–.88 1.99N 96.39E 39–8 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=19.1km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=136.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.2km az=56.0.
IDC X 05 16 20 19.0–2.0 3.86N 92.54E 0 3.7,3.7L
¶601997175
IDC Error ellipse: s-maj=61.0km s-min=34.5km az=33.0.
IDC X 09 04 13 07.7–2.3 0.69N 92.11E 0 3.8,3.6
¶601997604
IDC Error ellipse: s-maj=65.2km s-min=28.7km az=53.0.
DJA X 10 17 12 52.1–4.9 4N–8.0 92E–43 10 4.9b,4.4b
¶601997787
ISC X 11 17 07 53.5–.47 1.44N–.04 92.53E–.04 24–2 5.2b,5.0s 623 4-171
BJI X 11 17 07 49.9 1.19N 92.39E 25 5.3b,5.3s **¶601826738**
IDC X 11 17 07 49.7–.42 1.41N 92.52E 0 4.9,4.9
GCMT X 11 17 07 51.7–.10 1.37N–.01 92.53E–.01 12 5.3W,4.9
ISCJB X 11 17 07 52.6–.13 1.48N–.02 92.60E–.02 28 5.2b,4.9s
MOS X 11 17 07 53.0–.98 1.47N 92.59E 33 5.4b,4.7s
DJA X 11 17 07 53.6–.20 1N–2.0 93E–2.0 10 5.8,5.6b
NEIC X 11 17 07 54.7–.20 1.47N 92.59E 35 5.3b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=10.0km az=45.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c125; s114,c204;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$0.41±.01; $M_{\phi\phi}$-0.30±.01; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$-0.86±.01; $M_{\phi r}$-0.28±.03; Best double couple: NP1:ϕ_s169.00000°,δ84.00000°,λ17.00000°. NP2:ϕ_s77.00000°,δ73.00000°,λ173.00000°. Principal axes: T 1.0980,Plg17.0000° ,Azm35.0000°; N -0.2070,Plg72.0000°,Azm189.0000°; P -0.8910,Plg7.0000°,Azm302.0000° $M_0$0.99400×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=30.3.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=110.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=37.0.
ISC X 12 12 30 00.7–.76 1.62N–.05 96.77E–.07 28 4.0b 40 1-84
IDC X 12 12 29 57.9–1.4 1.66N 96.85E 0 3.9,3.8 **¶601998003**
ISCJB X 12 12 30 00.1–.57 1.69N–.05 96.78E–.07 28 4.0b,3.1s
DJA X 12 12 30 00.3–.70 2N–5.0 97E–8.0 26–7 3.8,3.8
NEIC X 12 12 30 02.9–.54 1.66N 96.92E 35 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=20.3km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.3km az=143.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.9km az=47.0.
IDC X 12 18 23 03.4–14 4.21N 92.26E 0 3.8L,3.6
¶601998031
IDC Error ellipse: s-maj=274.4km s-min=102.4km az=159.0.
ISC X 14 07 55 52.6–1.6 3.37N–.08 93.2E–.10 35 13 3-47
IDC X 14 07 55 45.7–3.8 3.11N 92.68E 0 3.7L,3.5 **¶601834621**
ISCJB X 14 07 55 53.1–1.5 3.35N–.07 93.3E–.10 33 3.0b,3.5
DJA X 14 07 55 58.4–1.1 3N–4.0 94E–8.0 10 4.3b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC X 14 16 30 30.7–1.8 4.93N 90.23E 0 3.7,3.5
¶601998233
IDC Error ellipse: s-maj=44.8km s-min=30.5km az=49.0.
DJA X 15 19 11 22.6–1.1 3N–5.0 93E–9.0 10 4.2b,4.1
¶601998366
IDC X 18 18 07 24.5–2.3 4.49N 94.02E 0 3.6,3.5
¶601998835
IDC Error ellipse: s-maj=80.4km s-min=23.4km az=64.0.
ISC X 19 13 34 37.0–1.6 1.5N–.20 93.1E–.10 35 3.6b 7 6-48
IDC X 19 13 34 31.9–1.9 1.46N 93.03E 0 3.8,3.8L **¶601998941**
ISCJB X 19 13 34 35.0–1.3 1.5N–.10 93.1E–.10 33 3.7b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC X 20 04 31 46.4–.94 2.10N–.09 93.62E–.09 35 4.0b,3.5s 22 3-145
IDC X 20 04 31 40.9–1.6 1.97N 93.49E 0 4.2L,4.1 **¶601867597**
ISCJB X 20 04 31 44.6–.74 2.10N–.08 93.63E–.05 33 3.8b,3.4s
NEIC X 20 04 31 46.0–.69 2.04N 93.57E 35 4.0b,3.4s
DJA X 20 04 31 48.3–1.1 2N–7.0 94E–8.0 54–100 5.2b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 21 10 33 32.3–1.5 2.7N–.20 92.7E–.10 35 3.8b 8 6-144
IDC X 21 10 33 26.5–2.0 2.57N 92.48E 0 3.8,3.8L **¶601999152**
ISCJB X 21 10 33 30.5–1.3 2.7N–.20 92.8E–.10 33 3.8b,3.8L
ISC Event type ke.
ISCJB Event type ke.
IDC X 22 03 04 18.0–2.6 1.05N 92.04E 0 3.9L,3.7
¶601999242
IDC Error ellipse: s-maj=62.1km s-min=30.9km az=48.0.
ISC X 22 12 41 33.2–.45 2.12N–.06 92.37E–.06 10 4.5b,3.5s 120 4-145
ISCJB X 22 12 41 31.7–.30 2.09N–.03 92.50E–.03 10 4.4b,3.6s **¶601841794**
IDC X 22 12 41 31.8–.64 2.04N 92.44E 0 4.4,4.4L
DJA X 22 12 41 32.8–.40 2N–5.0 92E–3.0 10 5.4b,5.3b
BJI X 22 12 41 33.0 2.20N 92.50E 10 4.7b,4.5b
NEIC X 22 12 41 37.0–.26 2.13N 92.53E 35 4.6b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=35.2.
IDC Error ellipse: s-maj=23.2km s-min=13.6km az=42.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=214.0.
ISC X 22 22 13 15.3–.00 2.28N–.09 93.45E–.09 35 3.6b 21 3-52
IDC X 22 22 13 10.0–1.6 2.14N 93.36E 0 3.9,3.9L **¶601999313**
DJA X 22 22 13 10.8–2.8 2N–7.0 93E–24 10 4.9b,4.7b
ISCJB X 22 22 13 12.8–.82 2.24N–.08 93.34E–.07 33 3.7b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC X 23 12 09 55.2–1.7 3.69N 92.80E 0 4.0L,3.7
¶601999362
IDC Error ellipse: s-maj=51.3km s-min=22.6km az=39.0.
ISC X 23 19 11 50.0–.60 2.06N–.07 92.43E–.07 10 4.5b,3.5s 74 4-145
ISCJB X 23 19 11 48.4–.43 2.14N–.05 92.56E–.04 10 4.4b,3.5s **¶601846002**
IDC X 23 19 11 48.6–1.0 2.11N 92.52E 0 4.1,3.9
BJI X 23 19 11 49.0 1.69N 92.34E 29 4.8b,4.6b
DJA X 23 19 11 51.8–3.5 2N–9.0 93E–30 10 5.4b,5.3b
NEIC X 23 19 11 53.2–.45 2.19N 92.57E 30 4.6b,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=37.1.
IDC Error ellipse: s-maj=34.9km s-min=18.0km az=44.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=221.0.
ISC X 23 22 48 02.9–1.2 2.68N–.07 95.92E–.09 25 3.3b 14 0-46
IDC X 23 22 47 59.7–4.5 2.66N 96.05E 0 3.3,3.2 **¶601999424**
ISCJB X 23 22 48 00.9–.00 2.59N–.07 95.74E–.07 25 3.2b,3.2
DJA X 23 22 48 02.7–.80 3N–4.0 96E–5.0 27–5 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC X 28 01 29 23.7–1.1 2.1N–.10 93.77E–.09 35 3.9b 13 3-52
IDC X 28 01 29 18.5–1.9 2.06N 93.68E 0 4.3L,4.1 **¶601999878**
ISCJB X 28 01 29 21.4–1.0 2.1N–.10 93.66E–.08 33 3.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC X 29 16 10 31.1–1.4 2.6N–.10 95.4E–.10 25 3.3b 13 1-52
IDC X 29 16 10 27.6–2.0 2.48N 95.30E 0 3.5,3.4L **¶602000310**
ISCJB X 29 16 10 29.5–1.1 2.54N–.10 95.37E–.07 25 3.3b,3.4L
DJA X 29 16 10 29.3–1.8 3N–8.0 95E–11 19–13 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC X 30 20 18 22.6–2.7 2.16N 92.33E 0 3.6,3.4
¶602000529
IDC Error ellipse: s-maj=68.6km s-min=28.3km az=55.0.
ISC X 31 09 56 27.4–1.2 2.5N–.10 95.8E–.10 25 4.2b 28 2-56
IDC X 31 09 56 23.7–1.7 2.49N 95.72E 0 4.3,4.3s **¶602000602**
ISCJB X 31 09 56 25.5–.72 2.49N–.08 95.75E–.09 25 4.3s,4.2b
NEIC X 31 09 56 29.3–1.5 2.52N 95.82E 39–11 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=18.2km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.4km az=137.7.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=4.9km az=62.0.
IDC X 31 10 49 30.6–10 2.73N 93.07E 0 3.8,3.7
¶602000612
IDC Error ellipse: s-maj=451.9km s-min=29.6km az=56.0.
ISC XI 06 09 25 21.2–.55 1.90N–.06 94.53E–.06 20 4.4b,3.4s 98 2-144
BJI XI 06 09 25 13.0 1.19N 94.57E 10 4.9b,4.7b **¶601875240**
IDC XI 06 09 25 17.7–.90 1.84N 94.41E 0 4.6L,4.0
ISCJB XI 06 09 25 19.4–.35 1.88N–.04 94.48E–.03 20 4.3b,3.4s
NEIC XI 06 09 25 19.7–.38 1.92N 94.44E 10 4.6b,3.4s
DJA XI 06 09 25 21.4–.30 2N–3.0 95E–3.0 10 5.4b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 07 08 08 07.9–1.2 2.8N–.20 90.1E–.10 35 4.1b 10 10-145
IDC XI 07 08 08 03.0–1.2 2.82N 90.23E 0 4.5L,4.2 **¶602054269**
ISCJB XI 07 08 08 05.2–.96 2.8N–.10 90.1E–.10 33 4.2b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC XI 08 22 37 03.1–1.3 1.8N–.20 92.1E–.10 19 3.7b 8 7-52
ISCJB XI 08 22 37 01.4–1.0 1.8N–.10 92.2E–.10 19 3.7b **¶602389058**
IDC XI 08 22 37 01.0–1.7 1.80N 92.22E 0 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=13.3km az=27.2.
IDC Error ellipse: s-maj=47.3km s-min=22.6km az=48.0.
ISC XI 09 02 47 20.7–.88 3.92N–.06 95.3E–.10 51 4.0b 19 1-82
ISCJB XI 09 02 47 18.4–.70 3.92N–.06 95.20E–.08 51 4.0b,3.1s **¶602389070**
DJA XI 09 02 47 19.4–1.8 4N–3.0 95E–12 17–14 4.5b,4.1
IDC XI 09 02 47 20.1–5.8 4.11N 95.39E 44–52 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=7.1km az=149.1.
IDC Error ellipse: s-maj=77.4km s-min=18.1km az=53.0.
ISC XI 11 03 23 25.3–1.1 0.77N–.07 96.72E–.07 30–5 19 1-54
DJA XI 11 03 23 24.4–.80 1N–4.0 97E–5.0 58–11 3.6,3.6 **¶602389199**
IDC XI 11 03 23 27.2–1.5 0.76N 96.82E 37–8 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=21.6km az=53.0.
ISC XI 15 00 36 07.4–.64 4.58N–.07 94.40E–.09 33 4.1b 53 2-83
ISCJB XI 15 00 36 05.8–.47 4.56N–.06 94.28E–.06 33 4.1b **¶602058471**
NEIC XI 15 00 36 09.7–1.4 4.72N 94.49E 50–13 4.4b
IDC XI 15 00 36 10.8–4.8 4.75N 94.52E 59–43 4.0,3.9L
DJA XI 15 00 36 14.7–3.4 5N–8.0 95E–19 30–28 4.9b,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 15 20 30 01.7–.47 2.64N–.06 92.77E–.06 21 4.4b,3.6s 121 4-145
IDC XI 15 20 29 58.1–.54 2.61N 92.70E 0 4.5L,4.3 **¶601903359**
BJI XI 15 20 29 58.0 2.48N 92.78E 23 4.9b,4.7b
ISCJB XI 15 20 29 59.9–.33 2.65N–.04 92.72E–.03 21 4.3b,3.6s
NEIC XI 15 20 30 01.7–.85 2.64N 92.70E 23–5 4.7b,3.6s
KLM XI 15 20 30 09.0 2.69N 93.04E 102 4.7b,3.6s
DJA XI 15 20 30 12.3–.80 3N–5.0 93E–6.0 48–9 5.4b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 18 17 04 07.5–1.0 1.95N–.07 96.66E–.07 28 16 1-86
IDC XI 18 17 04 02.8–1.6 1.81N 96.51E 0 3.6,3.6b **¶602389618**
ISCJB XI 18 17 04 06.4–.84 1.92N–.06 96.66E–.08 28 3.6s,3.6b
DJA XI 18 17 04 06.6–.50 2N–5.0 97E–10 11–11 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC XI 20 05 01 31.4–2.9 3.46N 92.54E 0 3.8,3.8L
¶602389720
IDC Error ellipse: s-maj=79.7km s-min=28.7km az=50.0.
IDC XI 22 12 52 58.8–3.0 3.01N 92.83E 0 3.7,3.6
¶602389834
IDC Error ellipse: s-maj=99.6km s-min=28.2km az=61.0.
ISC XI 23 12 02 06.7–.89 1.96N–.06 96.60E–.08 28 4.0b,3.7s 23 1-82
IDC XI 23 12 02 01.8–1.2 1.89N 96.55E 0 4.1,4.0 **¶601993923**
ISCJB XI 23 12 02 04.6–.70 1.95N–.06 96.54E–.07 28 4.0b,3.7s
DJA XI 23 12 02 05.5–2.9 2N–5.0 97E–9.0 17–28 4.3b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC XI 24 11 33 02.0–1.3 0.56N–.09 97.0E–.10 23 3.8b 17 1-74
IDC XI 24 11 32 59.5–1.6 0.53N 97.04E 0 3.7,3.7b **¶602389933**
ISCJB XI 24 11 33 00.8–1.0 0.54N–.08 97.0E–.10 23 3.6b,3.7b
DJA XI 24 11 33 00.1–3.8 1N–10 97E–17 17–28 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC XI 27 12 19 29.0–2.2 1.4N–.20 96.8E–.20 10 3.9b 7 1-53
IDC XI 27 12 19 06.4–13 1.50S 97.32E 0 3.8,3.8 **¶606793162**
DJA XI 27 12 19 24.8–5.5 1N–29 97E–44 10 3.3,3.3
ISC Event type ke.
ISC XII 01 01 37 51.3–1.3 1.5N–.20 93.7E–.10 35 3.8b 8 5-84
IDC XII 01 01 37 46.2–1.8 1.40N 93.64E 0 4.0L,3.8 **¶602390260**
ISCJB XII 01 01 37 49.1–1.0 1.5N–.10 93.7E–.10 33 4.3s,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 01 05 49 09.4–1.7 2.2N–.20 93.7E–.10 35 3.9b 8 5-145
IDC XII 01 05 49 03.2–2.2 2.05N 93.47E 0 4.1L,4.0 **¶602390267**
ISCJB XII 01 05 49 06.6–1.9 2.1N–.30 93.6E–.20 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC XII 03 14 44 08.9–3.3 2.40N 90.13E 0 3.6,3.6b
¶602390397
IDC Error ellipse: s-maj=96.0km s-min=31.6km az=64.0.
ISC XII 06 02 24 28.7–.27 2.36N–.04 90.43E–.04 35 5.0b,4.2s 446 6-155
IDC XII 06 02 24 23.6–.39 2.45N 90.44E 0 4.7,4.7 **¶601996107**
MOS XII 06 02 24 25.7–.97 2.48N 90.47E 25 5.3b,4.7
ISCJB XII 06 02 24 27.0–.16 2.44N–.03 90.45E–.02 33 4.9b,4.2s
DJA XII 06 02 24 26.6–.20 3N–4.0 90E–2.0 10 5.9,5.6b
GCMT XII 06 02 24 28.3–.20 2.44N–.01 90.49E–.01 24–1 5.1W,5.6b
NEIC XII 06 02 24 28.3–1.9 2.42N 90.43E 31–13 5.1b,5.6b
KLM XII 06 02 24 28.0 2.71N 90.55E 10 5.2b,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=9.5km az=47.0.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=117.7.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=29.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c57; s101,c150;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.17 $M_{\theta\theta}$-3.68±.14; $M_{\phi\phi}$3.59±.13; $M_{r\theta}$-1.23±.21; $M_{\theta\phi}$-2.61±.12; $M_{\phi r}$-2.05±.24; Best double couple: NP1:ϕ_s27.00000°,δ90.00000°,λ-28.00000°. NP2:ϕ_s117.00000°,δ62.00000°,λ-180.00000°. Principal axes: T 4.9760,Plg19.0000° ,Azm76.0000°; N 0.1970,Plg62.0000°,Azm206.0000°; P -5.1670,Plg20.0000°,Azm339.0000° $M_0$5.07100×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=54.0.
IDC XII 07 14 16 20.2–2.5 4.92N 93.86E 0 4.0L,3.8
¶602390684
IDC Error ellipse: s-maj=104.1km s-min=22.9km az=60.0.
ISC XII 10 16 27 38.4–.68 2.58N–.06 95.40E–.06 25 4.3b 64 1-81
ISCJB XII 10 16 27 36.4–.50 2.49N–.05 95.34E–.05 25 4.3b **¶602033983**
DJA XII 10 16 27 39.5–1.0 3N–4.0 95E–6.0 23–8 4.3b,4.3
NEIC XII 10 16 27 40.0–.91 2.64N 95.47E 39–9 4.3b,4.3

IDC XII 10 16 27 48.3–3.5 2.92N 95.97E 96–28 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.9km az=41.8.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.3km az=61.0.
IDC Error ellipse: s-maj=38.6km s-min=15.6km az=50.0.
ISC XII 10 18 22 17.6–2.7 2.1N–.40 90.7E–.10 35 3.6b 7 8-52
ISCJB XII 10 18 22 14.7–2.3 2.0N–.30 90.7E–.10 33 3.6b **¶602391007**
IDC XII 10 18 22 15.0–4.7 2.29N 90.78E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.0km s-min=15.4km az=8.7.
IDC Error ellipse: s-maj=90.3km s-min=34.6km az=10.0.
IDC XII 12 08 05 59.0–2.4 2.02N 93.20E 0 3.8,3.5
¶602391170
IDC Error ellipse: s-maj=52.3km s-min=28.5km az=44.0.
ISC XII 14 00 29 22.1–1.5 1.1N–.20 92.6E–.10 35 3.9b 8 7-146
IDC XII 14 00 29 17.5–1.8 1.09N 92.54E 0 3.9,3.8 **¶602391290**
ISCJB XII 14 00 29 19.8–1.4 1.1N–.20 92.6E–.10 33 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC XII 16 02 42 28.5–1.7 2.4N–.20 94.4E–.10 35 3.8b 11 2-54
ISCJB XII 16 02 42 25.7–1.5 2.5N–.20 94.3E–.10 35 3.7b **¶606793463**
DJA XII 16 02 42 30.7–1.2 2N–11 95E–9.0 10 5.4b,4.8
IDC XII 16 02 42 40.3–13 4.48N 92.26E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.4km s-min=8.2km az=30.3.
IDC Error ellipse: s-maj=249.0km s-min=81.5km az=161.0.
ISC XII 16 15 20 35.2–1.8 3.6N–.30 92.4E–.10 24 3.4b 6 7-51
IDC XII 16 15 20 30.9–3.7 3.46N 92.28E 0 3.9L,3.6 **¶602391473**
ISC Event type ke.
IDC Error ellipse: s-maj=71.8km s-min=33.4km az=14.0.
ISC XII 16 19 29 59.3–.75 2.83N–.07 95.63E–.07 27 4.2b 38 1-56
IDC XII 16 19 29 55.4–1.4 2.80N 95.68E 0 4.2,4.1b **¶602043826**
KLM XII 16 19 29 57.0 2.83N 95.60E 10 4.2b,4.1b
ISCJB XII 16 19 29 58.6–.69 2.83N–.07 95.65E–.07 27 4.2b,2.9s
DJA XII 16 19 30 01.4–1.7 3N–6.0 96E–14 15–7 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC XII 18 13 50 19.7–1.3 2.2N–.20 93.10E–.09 35 3.7b 10 6-145
IDC XII 18 13 50 14.9–1.8 2.03N 92.92E 0 3.8,3.7 **¶602391604**
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=24.4km az=43.0.
IDC XII 19 18 05 26.5–2.8 2.53N 94.48E 0 4.0L,3.7
¶602391677
IDC Error ellipse: s-maj=105.6km s-min=21.3km az=61.0.
ISC XII 31 19 06 10.9–.47 4.78N–.06 94.80E–.06 50 4.4b 114 2-142
ISCJB XII 31 19 06 10.1–.29 4.82N–.04 94.92E–.04 50 4.5b,3.3s **¶602071318**
DJA XII 31 19 06 10.6–1.5 5N–4.0 95E–16 71–45 5.2b,4.5
KLM XII 31 19 06 11.0 4.66N 94.80E 46 4.4b,4.5
NEIC XII 31 19 06 13.5–.69 4.86N 95.02E 67–6 4.5b,4.5
IDC XII 31 19 06 14.1–2.9 4.93N 95.03E 72–26 4.2,4.1
ISC Event type ke.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.9km az=40.1.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=51.0.
IDC Error ellipse: s-maj=24.6km s-min=13.9km az=43.0.

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ISC VII 04 20 29 34.2–1.8 2.7N–.20 96.4E–.20 30 3.7b 8 3-55
IDC VII 04 20 29 40.5–8.0 2.73N 96.42E 87–60 3.6,3.4b **¶601663495**
ISC Event type ke.
IDC Error ellipse: s-maj=106.5km s-min=23.5km az=59.0.
ISC VII 08 17 26 03.6–1.1 0.33N–.09 97.6E–.10 29 3.4b 18 1-54
IDC VII 08 17 25 58.6–1.8 0.20N 97.49E 0 3.5,3.4b **¶601664299**
ISCJB VII 08 17 26 01.5–.91 0.25N–.07 97.53E–.08 29 3.4b,3.4b
DJA VII 08 17 26 03.2–1.0 0N–6.0 98E–7.0 25–9 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VII 10 09 52 49.2–.93 0.10N–.05 98.48E–.07 48 3.8b 17 0-100
IDC VII 10 09 52 40.9–2.0 0.29S 98.14E 0 4.3L,3.9 **¶601664379**
ISCJB VII 10 09 52 47.6–.59 0.09N–.05 98.48E–.07 48 3.7b,3.2s
DJA VII 10 09 52 48.2–.60 0N–4.0 99E–5.0 28–8 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VII 12 19 15 49.4–1.3 5.2N–.20 94.1E–.20 34 3.7b 9 14-64
ISCJB VII 12 19 15 47.5–1.1 5.2N–.10 94.1E–.20 34 3.7b **¶601664496**
IDC VII 12 19 15 54.9–10 5.37N 94.30E 79–95 3.9L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.8km s-min=16.0km az=152.9.
IDC Error ellipse: s-maj=61.8km s-min=17.2km az=55.0.
ISC VII 19 21 48 42.5–1.2 1.5N–.20 99.5E–.30 166 3.8b 12 17-87
ISCJB VII 19 21 48 41.0–.96 1.6N–.20 99.5E–.30 166 3.8b **¶601664849**
IDC VII 19 21 48 43.2–12 1.53N 99.45E 172–109 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=41.0km s-min=14.9km az=147.4.
IDC Error ellipse: s-maj=77.3km s-min=14.1km az=57.0.
ISC VII 19 22 50 01.5–.83 5.2N–.10 94.2E–.10 34 4.0b 16 14-80
IDC VII 19 22 49 56.9–1.3 5.17N 94.22E 0 4.1L,4.0 **¶601484386**
NEIC VII 19 22 49 58.8–3.3 5.15N 94.21E 14–22 4.3b,4.0
ISCJB VII 19 22 49 59.7–.58 5.15N–.07 94.2E–.10 34 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 21 09 23 56.9–1.3 0.19N–.06 98.49E–.09 47–14 3.9b 13 0-55
IDC VII 21 09 23 50.7–2.2 0.08N 98.75E 0 3.7,3.7 **¶601664915**
ISCJB VII 21 09 23 56.3–.75 0.15N–.08 98.5E–.10 61–7 3.7b,3.7
DJA VII 21 09 23 56.6–.70 0N–4.0 99E–6.0 19–9 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC VII 23 01 17 57.0–1.6 4.69N 96.06E 0 3.7,3.6
¶601666283
IDC Error ellipse: s-maj=65.3km s-min=22.7km az=54.0.
DJA VII 23 03 25 57.2–1.2 3N–8.0 99E–8.0 11–7 2.2,2.2
¶602027934
IDC VII 23 14 08 05.7–5.5 0.89N 99.33E 0 3.7,3.4b
¶601666311
IDC Error ellipse: s-maj=286.2km s-min=27.2km az=54.0.
ISC VII 23 16 21 39.0–.94 2.09N–.03 97.75E–.05 57–10 3.8b 39 1-79
IDC VII 23 16 21 32.1–1.6 2.18N 97.98E 0 3.8,3.8b **¶601497868**
ISCJB VII 23 16 21 38.3–.38 2.08N–.03 97.76E–.04 69–5 3.8b,3.8b
NEIC VII 23 16 21 39.8–.67 2.05N 97.83E 65–6 4.1b,3.8b
DJA VII 23 16 21 39.1–.60 2N–2.0 98E–2.0 33–10 3.6,3.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 25 00 23 48.4–1.6 2.61N–.05 96.07E–.10 31–10 3.9b 20 0-55
IDC VII 25 00 23 44.5–2.1 2.69N 96.29E 0 3.8,3.7 **¶601666393**
ISCJB VII 25 00 23 45.7–1.4 2.55N–.05 95.88E–.06 25–9 3.8b,3.7
DJA VII 25 00 23 47.3–.80 3N–3.0 96E–5.0 10 4.4b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VII 25 00 27 45.8–.30 2.63N–.02 96.11E–.02 29–1 6.4s,5.9b 2690 0-174
BJI VII 25 00 27 41.1 2.43N 96.13E 23 6.7,6.7s **¶601467946**
ISCJB VII 25 00 27 42.3–.42 2.63N–.02 96.07E–.01 16–3 6.4s,5.9b
IDC VII 25 00 27 43.5–1.0 2.67N 96.11E 14–6 6.3,6.3s
DJA VII 25 00 27 44.5–.10 3N–1.0 96E–1.0 10 6.4b,6.3
MOS VII 25 00 27 45.0–.98 2.65N 96.10E 38 6.4s,6.2b
NEIC VII 25 00 27 45.0–.00 2.16N 95.83E 17 6.4s,6.2b
NEIC VII 25 00 27 45.3–.10 2.71N 96.05E 22 6.5s,6.4W
GCMT VII 25 00 27 45.3–.10 2.46N 95.93E 20 6.4W,6.4W
KLM VII 25 00 27 51.0 2.79N 96.05E 69 6.1b,6.4W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=28.9.
IDC Error ellipse: s-maj=7.8km s-min=6.5km az=12.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=118.7.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{18}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-0.71 $M_{r\theta}$3.28 $M_{\theta\phi}$1.01 $M_{\phi r}$-3.70 Best double couple: NP1:ϕ_s137.00000° ,δ79.00000°,λ94.00000°. NP2:ϕ_s296.00000°,δ12.00000°,λ69.00000°. Principal axes: T 5.3800,Plg55.0000°,Azm53.0000°; N -0.0400,Plg4.0000°,Azm316.0000° ; P -5.3300,Plg33.0000°,Azm223.0000° $M_0$5.40000×10^{18}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=205.0. Felt [IV] on Pulau Simeulue. Felt [III] at Banda Aceh, Sumatra. Also felt at Medan. Felt at Butterworth, Malaysia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}1.62 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-0.35 $M_{r\theta}$2.93 $M_{\theta\phi}$0.53 $M_{\phi r}$-2.25 Best double couple: NP1:ϕ_s126.00000° ,δ79.00000°,λ94.00000°. NP2:ϕ_s286.00000°,δ12.00000°,λ70.00000°. Principal axes: T 4.0900,Plg56.0000°,Azm42.0000°; N -0.1700,Plg4.0000°,Azm305.0000° ; P -3.9200,Plg34.0000°,Azm213.0000° $M_0$4.00000×10^{18} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ10.00000°,λ90.00000°. NP2: ϕ_s125.00000°,δ80.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm35.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s146,c349; s142,c543;Duration: 3s7 Moment tensor: Scale 10^{18} Nm; M_{rr}2.17±.01 $M_{\theta\theta}$-1.54±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$2.50±.03; $M_{\theta\phi}$0.99±.01; $M_{\phi r}$-2.80±.03; Best double couple: NP1:ϕ_s136.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s291.00000° ,δ16.00000°,λ66.00000°. Principal axes: T 4.3910,Plg59.0000°,Azm55.0000° ; N -0.1130,Plg7.0000°,Azm314.0000°; P -4.2820,Plg30.0000°,Azm220.0000° $M_0$4.33700×10^{18}
ISC VII 25 00 40 15.4–2.1 2.59N–.06 96.05E–.07 15–13 4.2b 53 0-144
IDC VII 25 00 40 13.2–1.4 2.58N 96.10E 0 4.2,4.2 **¶601499049**
NEIC VII 25 00 40 15.3–2.8 2.57N 96.08E 15–17 4.5b,4.2
DJA VII 25 00 40 15.2–.60 2N–3.0 96E–4.0 10 4.7,4.7
ISC Event type se.
NEIC Event type se.
ISC VII 25 00 46 52.7–.89 2.63N–.05 96.03E–.08 25 3.8b 20 0-56
IDC VII 25 00 46 49.8–1.5 2.74N 96.21E 0 3.7,3.7 **¶601666394**
ISCJB VII 25 00 46 50.3–.75 2.50N–.06 95.89E–.05 25 3.8b,3.7
DJA VII 25 00 46 51.4–.80 3N–3.0 96E–6.0 10 4.5,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC VII 25 00 48 31.9–1.6 2.38N–.04 96.01E–.05 5–9 4.2b 68 0-143
IDC VII 25 00 48 31.8–1.0 2.54N 96.05E 0 4.1,4.0 **¶601499050**
NEIC VII 25 00 48 34.4–4.2 2.45N 96.02E 18–25 4.4b,4.0
DJA VII 25 00 48 36.7–.60 3N–3.0 96E–4.0 11–3 4.4,4.4
ISC Event type se.
NEIC Event type se.
ISC VII 25 02 44 34.6–1.1 2.26N–.07 96.04E–.09 25 3.8b 18 0-55
IDC VII 25 02 44 31.8–3.0 2.48N 95.98E 0 3.7,3.7 **¶601666400**
ISCJB VII 25 02 44 32.4–.79 2.25N–.06 95.94E–.06 25 3.7b,3.7
DJA VII 25 02 44 33.9–.80 2N–4.0 96E–6.0 20–3 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VII 26 07 28 21.3–1.1 1.08N–.08 97.23E–.07 25 3.9b 18 0-56
IDC VII 26 07 28 13.3–5.3 0.48N 97.19E 0 4.4L,3.9 **¶601666467**
ISCJB VII 26 07 28 19.4–.86 1.03N–.06 97.15E–.05 25 3.9b,3.9
DJA VII 26 07 28 20.0–1.0 1N–5.0 97E–6.0 20–6 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC VII 27 13 25 28.8–.46 0.35N–.04 100.00E–.04 160–4 4.3b 151 1-146
BJI VII 27 13 25 23.1 0.05S 100.47E 163 4.9b,4.7b **¶601479697**
ISCJB VII 27 13 25 27.6–.23 0.36N–.03 100.04E–.03 165–2 4.3b,4.7b
NEIC VII 27 13 25 29.0–.44 0.34N 100.14E 165–4 4.3b,4.7b
IDC VII 27 13 25 28.1–.66 0.40N 100.20E 155–5 4.6,4.2
DJA VII 27 13 25 29.3–.30 0N–2.0 100E–2.0 150–4 5.2b,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VII 28 14 54 08.5–1.5 2.55N–.05 96.18E–.09 29–9 3.8b 21 0-52
IDC VII 28 14 53 57.3–9.8 1.75N 96.45E 0 4.0L,3.8 **¶601666568**
ISCJB VII 28 14 54 06.8–.98 2.48N–.04 96.02E–.07 37–10 3.8b,3.8
DJA VII 28 14 54 07.4–.60 3N–3.0 96E–4.0 21–3 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke.
DJA VII 28 21 03 49.4–.30 1N–2.0 99E–2.0 53–8 3.7,3.7
¶602028052
DJA VII 29 03 32 57.3–1.3 2N–8.0 96E–9.0 48–8 3.6,3.6
¶602028063
ISC VII 29 11 52 38.2–.89 3.22N–.04 97.19E–.04 9–5 3.3b 21 0-55
IDC VII 29 11 52 35.2–1.6 3.18N 97.05E 0 3.6,3.4 **¶601666628**
DJA VII 29 11 52 39.7–.20 3N–2.0 97E–2.0 10 3.6,3.6
ISC Event type ke.
ISC VII 30 06 18 19.8–.84 3.24N–.03 97.23E–.03 11–5 3.8b 27 0-81
IDC VII 30 06 18 16.6–1.5 3.07N 96.98E 0 3.9,3.8b **¶601494713**
ISCJB VII 30 06 18 20.0–.67 3.20N–.05 97.21E–.04 6–4 3.8b,3.8b
DJA VII 30 06 18 21.3–.20 3N–2.0 97E–2.0 10 4.8b,4.8b
ISC Event type ke.
ISCJB Event type ke.
DJA VIII 04 09 16 14.2–.30 4N–2.0 96E–3.0 10 3.8,3.8
¶602028193
ISC VIII 04 11 24 13.0–.57 4.78N–.03 96.28E–.03 19–2 5.2b,4.5s 916 1-173
IDC VIII 04 11 24 09.6–.31 4.86N 96.28E 0 5.0,4.9 **¶601518148**
ISCJB VIII 04 11 24 13.0–.43 4.75N–.02 96.19E–.02 36–4 5.1b,4.4s
GCMT VIII 04 11 24 13.0–.20 4.80N–.01 96.40E–.01 12 5.1W,4.4s
MOS VIII 04 11 24 13.3–1.3 4.91N 96.24E 35 5.3b,4.4s
DJA VIII 04 11 24 14.4–.20 5N–1.0 96E–2.0 10 5.5b,5.4
NEIC VIII 04 11 24 15.0–.66 4.86N 96.30E 36–6 5.3b,5.4
ISC Event type fe.
IDC Error ellipse: s-maj=12.1km s-min=8.0km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=141.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c82; s104,c181;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.81±.08 $M_{\theta\theta}$0.08±.07; $M_{\phi\phi}$4.73±.08; $M_{r\theta}$3.13±.25; $M_{\theta\phi}$-1.31±.07; $M_{\phi r}$-2.67±.23; Best double couple: NP1:ϕ_s325.00000°,δ65.00000° ,λ-108.00000°. NP2:ϕ_s183.00000°,δ30.00000°,λ-56.00000°. Principal axes: T 6.1970,Plg18.0000°,Azm68.0000°; N 0.4530,Plg17.0000°,Azm333.0000° ; P -6.6480,Plg65.0000°,Azm203.0000° $M_0$6.42200×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=3.8km az=114.8.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=46.0. Felt [III] in Aceh.
ISC VIII 05 11 27 59.7–.30 4.99N–.05 96.43E–.04 168 4.5b 265 1-148
ISCJB VIII 05 11 27 58.0–.16 4.95N–.03 96.34E–.03 168 4.5b **¶601518343**
BJI VIII 05 11 27 57.3 4.85N 96.28E 164 4.7b,4.6b
NEIC VIII 05 11 27 59.3–.45 4.99N 96.35E 166–4 4.6b,4.6b
IDC VIII 05 11 27 59.5–.69 5.06N 96.45E 168–6 4.6,4.1
DJA VIII 05 11 28 00.7–.20 5N–2.0 97E–3.0 154–3 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VIII 05 20 16 41.2–6.6 5.29N 94.85E 0 3.6,3.5
¶601765516
IDC Error ellipse: s-maj=338.1km s-min=21.5km az=58.0.
DJA VIII 06 12 51 32.2–1.0 0N–5.0 100E–7.0 172–8 3.5,3.5
¶602028227
ISC VIII 06 23 55 17.5–.96 2.19N–.07 99.1E–.10 150 3.2b 13 1-51
ISCJB VIII 06 23 55 16.5–.69 2.25N–.07 99.2E–.10 150 3.3b **¶601765580**
DJA VIII 06 23 55 17.9–1.1 2N–6.0 99E–11 144–8 3.3,3.3
IDC VIII 06 23 55 17.9–1.8 2.30N 99.16E 148–8 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=9.5km az=162.2.
IDC Error ellipse: s-maj=112.7km s-min=22.0km az=57.0.
ISC VIII 07 16 36 45.7–.99 1.19N–.06 97.98E–.06 35 3.4b 13 0-54
ISCJB VIII 07 16 36 43.8–.81 1.08N–.08 98.06E–.07 35 3.4b **¶601765615**
IDC VIII 07 16 36 43.2–5.4 1.91N 99.15E 0 3.6,3.4
DJA VIII 07 16 36 45.3–.30 1N–3.0 98E–2.0 10 3.4,3.4
ISC Event type ke.

ISCJB Event type ke.
ISC VIII 08 09 31 47.3–1.1 0.12N–.08 98.65E–.08 48 3.5b 12 0-49
IDC VIII 08 09 31 41.4–2.6 0.09N 98.79E 0 3.6,3.5 **¶601765644**
ISCJB VIII 08 09 31 45.9–.81 0.09N–.07 98.65E–.07 48 3.5b,3.5
DJA VIII 08 09 31 47.1–.70 0N–14 99E–5.0 33–18 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 09 07 08 09.1–.00 1.64N–.09 97.7E–.10 10 4.2b 20 0-143
DJA VIII 09 07 07 57.6–.80 2N–6.0 98E–7.0 373–10 5.8b,5.6b **¶601765686**
IDC VIII 09 07 08 07.1–1.1 1.51N 97.52E 0 4.6L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=16.0km az=54.0.
ISC VIII 10 11 35 51.4–.85 3.45N–.06 97.49E–.06 35 4.0b,3.6s 14 0-81
DJA VIII 10 11 35 49.8–.30 4N–2.0 98E–2.0 10 4.5,4.5 **¶601765728**
ISCJB VIII 10 11 35 50.7–.69 3.54N–.06 97.51E–.05 33 3.8b,3.4s
IDC VIII 10 11 35 51.1–5.2 3.30N 97.40E 48–47 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.3km az=23.9.
IDC Error ellipse: s-maj=89.0km s-min=26.6km az=42.0.
ISC VIII 13 20 13 01.2–.67 1.15N–.06 97.17E–.08 25 4.3b 48 0-83
IDC VIII 13 20 12 56.8–1.1 1.06N 97.06E 0 4.1,4.1b **¶601557027**
ISCJB VIII 13 20 12 58.9–.55 1.08N–.05 97.10E–.06 25 4.3s,4.3b
DJA VIII 13 20 13 00.8–.70 1N–3.0 97E–5.0 26–6 4.7b,4.3b
NEIC VIII 13 20 13 02.5–.64 1.17N 97.14E 35 4.1b,4.3b
KLM VIII 13 20 13 04.0 1.22N 97.27E 57 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=21.3km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=142.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.0km az=194.0.
ISC VIII 16 02 56 40.3–.96 1.61N–.06 99.62E–.07 166 3.7b 20 1-54
ISCJB VIII 16 02 56 40.1–.61 1.61N–.05 99.64E–.06 166 3.7b **¶601765916**
IDC VIII 16 02 56 40.9–1.6 1.92N 100.07E 163–60 4.0,3.7
DJA VIII 16 02 56 41.5–.60 2N–3.0 100E–4.0 168–10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 17 14 36 42.5–.89 1.41N–.04 97.98E–.05 50 3.8b 26 0-56
IDC VIII 17 14 36 33.7–1.6 1.13N 97.75E 0 3.7,3.7 **¶601564933**
DJA VIII 17 14 36 41.6–.30 1N–2.0 98E–2.0 12–3 4.0,4.0
ISCJB VIII 17 14 36 42.4–.45 1.40N–.04 98.01E–.06 50 3.6b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 13 36 02.5–1.0 3.28N–.04 96.41E–.06 58–11 3.6b 23 1-54
IDC VIII 18 13 35 52.8–1.8 2.92N 95.83E 0 3.8s,3.8 **¶601766061**
ISCJB VIII 18 13 36 01.6–.58 3.26N–.04 96.37E–.06 71–6 3.5b,3.8
DJA VIII 18 13 36 02.0–.60 3N–2.0 96E–3.0 19–6 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 18 17 16 02.7–.55 2.14N–.05 96.31E–.08 28 4.4b 63 0-79
IDC VIII 18 17 15 57.4–1.4 1.92N 96.18E 0 4.1b,4.1 **¶601565860**
ISCJB VIII 18 17 16 00.7–.38 2.07N–.04 96.23E–.05 28 4.4b,4.1
DJA VIII 18 17 16 01.1–1.3 2N–4.0 96E–11 19–4 4.6b,4.1
BJI VIII 18 17 16 01.6 2.09N 96.26E 32 4.8b,4.4b
NEIC VIII 18 17 16 05.1–.67 2.16N 96.38E 50–6 4.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=18.5km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=146.1.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.0km az=54.0.
ISC VIII 19 01 57 04.2–.39 5.00N–.03 94.75E–.03 48–3 5.2b,4.1s 927 1-171
BJI VIII 19 01 56 56.4 4.86N 94.77E 13 5.3b,4.9b **¶601565879**
KLM VIII 19 01 56 59.0 4.91N 94.29E 23 5.2b,4.9b
MOS VIII 19 01 57 01.5–1.1 5.21N 94.81E 33 5.4b,4.9b
DJA VIII 19 01 57 02.0–.30 5N–3.0 95E–3.0 10 5.3b,5.2
GCMT VIII 19 01 57 02.6–.30 4.81N–.02 94.65E–.02 44–1 5.0W,5.2
ISCJB VIII 19 01 57 03.2–.38 4.96N–.02 94.76E–.02 56–3 5.1b,4.1s
NEIC VIII 19 01 57 03.6–.47 5.06N 94.75E 41–4 5.2b,4.1s
IDC VIII 19 01 57 05.2–.51 5.08N 94.86E 55–4 5.0,4.8
ISC Event type fe.
MOS Error ellipse: s-maj=6.9km s-min=3.9km az=117.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c65; s68,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.17 $M_{\theta\theta}$-1.80±.11; $M_{\phi\phi}$-1.57±.13; $M_{r\theta}$1.77±.09; $M_{\theta\phi}$1.51±.08; $M_{\phi r}$-0.90±.10; Best double couple: NP1:ϕ_s125.00000°,δ61.00000°,λ83.00000°. NP2:ϕ_s320.00000°,δ30.00000°,λ103.00000°. Principal axes: T 3.9430,Plg73.0000° ,Azm17.0000°; N -0.2310,Plg6.0000°,Azm129.0000°; P -3.7220,Plg15.0000°,Azm220.0000° M_o3.83200×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=218.0. Felt at Banda Aceh.
IDC Error ellipse: s-maj=11.4km s-min=6.6km az=37.0.
ISC VIII 25 15 04 36.8–1.2 5.4N–.20 94.8E–.20 50 3.7b 12 5-80
IDC VIII 25 15 04 40.0–5.3 5.20N 94.78E 86–44 3.7,3.6 **¶601766447**
ISC Event type ke.
IDC Error ellipse: s-maj=68.4km s-min=15.1km az=59.0.
ISC VIII 27 09 01 22.7–.27 2.38N–.03 99.01E–.03 151–2 5.0b 948 0-161
BJI VIII 27 09 01 18.6 2.03N 99.07E 151 5.1b,4.9b **¶601627743**
MOS VIII 27 09 01 22.1–.97 2.46N 99.09E 156 5.2b,4.9b
ISCJB VIII 27 09 01 22.1–.21 2.37N–.02 98.98E–.02 156–1 5.0b,4.9b
IDC VIII 27 09 01 22.9–.28 2.42N 99.08E 147–2 5.0,4.7
DJA VIII 27 09 01 23.8–.10 2N–2.0 99E–2.0 136–2 5.5b,5.1b
NEIC VIII 27 09 01 23.1–.32 2.38N 99.03E 150–3 5.2b,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=115.9.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=140.4.
IDC Error ellipse: s-maj=7.8km s-min=6.3km az=45.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=224.0.
ISC VIII 27 17 38 09.9–.77 2.39N–.07 99.05E–.10 150 3.8b 19 0-80
ISCJB VIII 27 17 38 08.8–.49 2.45N–.07 99.16E–.09 150 3.8b **¶601766577**
IDC VIII 27 17 38 09.2–1.2 2.36N 99.08E 144–3 4.0,3.6
DJA VIII 27 17 38 10.9–1.3 2N–6.0 99E–8.0 147–14 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC VIII 30 07 59 46.2–.52 4.83N–.06 96.22E–.07 150 3.8b 48 1-141
ISCJB VIII 30 07 59 45.0–.35 5.00N–.05 96.24E–.06 150 3.8b **¶601645641**
DJA VIII 30 07 59 45.9–1.4 5N–8.0 96E–15 171–11 4.2,4.2
IDC VIII 30 07 59 45.8–2.6 4.87N 96.25E 148–24 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.9km az=144.1.
IDC Error ellipse: s-maj=22.2km s-min=11.6km az=53.0.
ISC VIII 31 03 39 42.9–.63 5.20N–.06 94.02E–.07 34 4.3b 39 3-142
IDC VIII 31 03 39 38.4–.89 5.23N 94.16E 0 4.5L,4.3 **¶601664254**
NEIC VIII 31 03 39 39.1–.48 5.08N 93.87E 10 4.6b,4.3
ISCJB VIII 31 03 39 41.4–.52 5.21N–.05 94.05E–.07 34 4.2b,4.3
DJA VIII 31 03 39 49.3–1.6 5N–5.0 95E–13 39–15 5.6b,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 01 04 06 20.4–1.1 4.63N–.06 96.26E–.07 33 4.0b 16 1-46
IDC IX 01 04 06 15.9–3.1 3.63N 95.57E 0 4.1,4.1L **¶601862694**
DJA IX 01 04 06 19.6–.40 5N–2.0 96E–4.0 10 4.0,4.0
ISCJB IX 01 04 06 20.4–.85 4.60N–.05 96.27E–.07 33 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 04 13 25 30.5–1.3 0.91N–.10 97.25E–.10 25 3.8b 13 1-54
IDC IX 04 13 25 22.0–8.6 0.28N 97.11E 0 3.8b,3.7 **¶601862932**
DJA IX 04 13 25 29.8–1.3 1N–6.0 97E–8.0 30–11 3.3,3.3
ISC Event type ke.
ISC IX 04 18 39 08.1–.36 4.77N–.04 96.12E–.05 29 4.5b 107 1-93
IDC IX 04 18 39 02.2–.81 4.51N 95.70E 0 4.1,4.0 **¶601674454**
ISCJB IX 04 18 39 05.9–.24 4.72N–.03 96.07E–.04 29 4.5b,3.3s
DJA IX 04 18 39 08.5–.80 5N–3.0 96E–4.0 28–8 5.3b,4.7
NEIC IX 04 18 39 10.2–.65 4.77N 96.18E 52–6 4.7b,4.7
BJI IX 04 18 39 11.0 4.80N 96.30E 50 4.6b,4.3b

ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=13.4km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.6km az=140.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=56.0.
ISC IX 07 00 55 46.6–.54 0.13N–.04 98.50E–.05 48 4.4b 65 0-144
IDC IX 07 00 55 39.2–1.3 0.01S 98.60E 0 4.3,4.2 **¶601692009**
ISCJB IX 07 00 55 44.2–.40 0.08N–.04 98.47E–.05 48 4.5b,4.4s
NEIC IX 07 00 55 46.0–.54 0.10N 98.60E 47–5 4.5b,4.4s
DJA IX 07 00 55 46.6–.30 0N–3.0 99E–4.0 33–8 4.5b,4.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Natal, Sumatra.
IDC IX 08 20 38 13.0–8.9 0.66N 99.59E 0 3.7,3.7
¶601863188
IDC Error ellipse: s-maj=446.7km s-min=26.5km az=53.0.
ISC IX 09 20 07 38.7–1.4 2.37N–.06 96.02E–.10 25 3.4b 15 0-52
IDC IX 09 20 07 35.6–2.0 2.38N 96.06E 0 3.4,3.4b **¶601863258**
DJA IX 09 20 07 36.0–1.2 2N–3.0 96E–6.0 14–3 3.3,3.3
ISCJB IX 09 20 07 37.1–1.0 2.35N–.07 96.02E–.07 25 3.3b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC IX 10 21 01 30.4–.73 2.94N–.05 98.03E–.05 97–6 4.0b 36 1-128
ISCJB IX 10 21 01 29.5–.35 2.95N–.04 98.04E–.05 104–3 3.9b **¶601703087**
IDC IX 10 21 01 30.0–1.4 2.95N 98.07E 94–10 4.0,3.8
DJA IX 10 21 01 31.3–.30 3N–2.0 98E–3.0 80–5 4.1,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IX 10 23 14 31.6–.85 0.55N–.04 98.47E–.04 55–8 4.6b,3.8s 127 1-156
IDC IX 10 23 14 23.5–.70 0.45N 98.47E 0 4.7L,4.5 **¶601703094**
BJI IX 10 23 14 23.7 0.23S 98.46E 54 4.9b,4.8b
ISCJB IX 10 23 14 30.1–.35 0.51N–.03 98.48E–.04 59–3 4.6b,3.8s
DJA IX 10 23 14 30.8–.40 1N–2.0 99E–2.0 33–8 5.1b,4.7
NEIC IX 10 23 14 31.2–.73 0.53N 98.50E 54–6 4.8b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=15.4km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=149.1.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.8km az=52.0.
ISC IX 13 00 01 59.0–1.1 0.78N–.08 97.29E–.08 23 3.8b 17 1-70
IDC IX 13 00 01 55.9–1.6 0.73N 97.35E 0 4.0,4.0L **¶601863443**
ISCJB IX 13 00 01 56.7–.84 0.68N–.06 97.15E–.08 23 3.8b,3.7s
DJA IX 13 00 01 56.8–1.0 1N–5.0 97E–5.0 14–5 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IX 13 03 52 57.9–.72 1.24N–.05 99.36E–.05 128–6 3.9b 40 0-146
ISCJB IX 13 03 52 57.7–.36 1.23N–.04 99.30E–.04 133–4 3.8b **¶601863450**
IDC IX 13 03 52 58.1–.94 1.28N 99.70E 126–8 4.1,3.8
DJA IX 13 03 52 59.9–.40 1N–2.0 99E–2.0 99–5 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
DJA IX 14 05 33 48.3–.30 2N–2.0 99E–3.0 10 3.5,3.5
¶602029833
DJA IX 14 05 51 07.0–.30 2N–2.0 99E–3.0 10 3.8,3.8
¶602029836
ISC IX 15 23 18 42.6–.86 0.98N–.09 100.0E–.10 200 3.7b 16 0-140
ISCJB IX 15 23 18 41.3–.66 0.97N–.08 100.00E–.07 200 3.5b **¶601863614**
IDC IX 15 23 18 41.9–1.4 0.97N 100.10E 186–9 3.9,3.5
DJA IX 15 23 18 44.7–1.0 1N–5.0 100E–6.0 167–6 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
IDC IX 19 23 23 51.3–8.0 0.98N 97.36E 50–67 3.8,3.8s
¶601863856
IDC Error ellipse: s-maj=66.7km s-min=25.6km az=61.0.
ISC IX 21 04 29 39.6–1.1 1.10N–.08 97.18E–.07 25 3.7b 15 0-54
IDC IX 21 04 29 35.5–2.2 1.01N 97.18E 0 3.7,3.7s **¶601863937**
ISCJB IX 21 04 29 37.3–.91 1.04N–.08 97.06E–.06 25 3.6s,3.6b
DJA IX 21 04 29 39.1–.90 1N–6.0 97E–5.0 25–5 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
DJA IX 23 09 56 49.1–.40 5N–3.0 96E–3.0 10 3.7,3.7
¶602030849
ISC IX 24 10 14 39.5–.68 1.47N–.04 98.97E–.05 108–6 4.5b 105 1-127
ISCJB IX 24 10 14 38.7–.32 1.42N–.03 98.97E–.04 119–3 4.5b **¶601738740**
IDC IX 24 10 14 38.4–1.2 1.32N 98.97E 103–8 4.5,4.2
NEIC IX 24 10 14 39.1–.43 1.33N 99.01E 111–4 4.8b,4.2
DJA IX 24 10 14 40.3–.30 1N–2.0 99E–2.0 97–4 5.1b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 28 19 30 15.0–.81 5.04N–.09 94.16E–.09 34 4.0b 36 5-75
IDC IX 28 19 30 10.0–1.3 4.99N 93.92E 0 3.9,3.8 **¶601852865**
ISCJB IX 28 19 30 12.8–.55 4.96N–.06 94.08E–.08 34 4.0b,3.8
NEIC IX 28 19 30 12.3–2.8 4.91N 93.92E 20–20 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=18.4km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.3km az=147.5.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.0km az=54.0.
ISC IX 29 20 19 08.8–.66 2.46N–.04 98.44E–.04 100–6 4.6b 111 1-147
ISCJB IX 29 20 19 08.2–.28 2.49N–.03 98.44E–.04 109–2 4.5b **¶601768541**
IDC IX 29 20 19 09.2–.72 2.56N 98.54E 100–6 4.1,3.9
NEIC IX 29 20 19 09.2–.38 2.47N 98.43E 104–3 4.8b,3.9
DJA IX 29 20 19 10.6–.30 2N–2.0 98E–2.0 74–4 4.6b,4.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IX 30 11 07 25.1–1.1 2.40N–.08 99.09E–.08 158–9 14 0-43
ISCJB IX 30 11 07 24.3–.74 2.40N–.08 99.06E–.08 162–8 3.1b **¶601857529**
IDC IX 30 11 07 25.3–1.7 2.48N 99.75E 125–107 4.2L,3.4
DJA IX 30 11 07 27.6–.90 2N–5.0 99E–4.0 137–8 2.9,2.9
ISC Event type ke.
ISCJB Event type ke.
ISC X 01 23 21 43.2–.52 5.12N–.06 94.58E–.06 50 4.1b 69 2-142
ISCJB X 01 23 21 41.6–.40 5.14N–.06 94.58E–.05 50 4.1b **¶601836629**
NEIC X 01 23 21 42.7–1.1 4.99N 94.49E 47–10 4.3b
IDC X 01 23 21 45.1–3.5 5.28N 94.79E 60–32 4.1,3.9
DJA X 01 23 21 49.9–.70 5N–3.0 95E–6.0 52 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 02 18 23 34.5–.80 1.27N–.07 97.01E–.08 28 4.5s,4.2b 35 1-100
DJA X 02 18 23 29.8–1.2 1N–6.0 97E–7.0 38–10 3.8,3.8 **¶601906631**
IDC X 02 18 23 30.6–2.1 1.25N 96.95E 0 4.5,4.4s
ISCJB X 02 18 23 32.8–.60 1.22N–.06 97.00E–.06 28 4.5s,4.3b
NEIC X 02 18 23 34.4–1.8 1.28N 97.00E 23–12 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=47.6km s-min=26.5km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.6km az=42.7.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.5km az=72.0.
ISC X 03 03 06 07.5–.52 1.27N–.05 97.08E–.06 28 4.4b,3.5s 102 1-145
IDC X 03 03 06 03.7–.81 1.28N 97.02E 0 4.3,4.2b **¶601779576**
ISCJB X 03 03 06 06.1–.36 1.29N–.04 97.10E–.04 28 4.4b,3.6s
DJA X 03 03 06 08.4–.60 1N–5.0 97E–4.0 23–5 4.9b,4.5b
NEIC X 03 03 06 08.9–.97 1.32N 97.12E 37–8 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=15.6km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=34.1.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=56.0.
ISC X 03 16 29 17.8–.69 3.88N–.08 96.60E–.08 63 4.0b 20 1-82
ISCJB X 03 16 29 16.2–.55 3.82N–.08 96.48E–.08 63 3.9b **¶601996958**
IDC X 03 16 29 19.9–2.9 3.78N 96.71E 89–25 4.0,3.8
DJA X 03 16 29 20.1–.70 4N–3.0 97E–7.0 81–25 4.8b,4.2b
ISC Event type ke.

ISCJB Event type ke.
ISC X 04 21 01 21.3–.57 2.16N–.05 96.52E–.06 28 4.1b,4.0s 53 0-143
ISCJB X 04 21 01 19.9–.46 2.15N–.05 96.46E–.05 28 4.1b,4.0s **¶601825518**
DJA X 04 21 01 19.9–.70 2N–4.0 96E–9.0 14–7 4.9b,4.6
NEIC X 04 21 01 23.9–1.4 2.27N 96.58E 50–12 4.1b,4.6
IDC X 04 21 01 23.6–3.9 2.22N 96.54E 47–35 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.9km az=138.9.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.4km az=45.0.
IDC Error ellipse: s-maj=35.8km s-min=13.9km az=56.0.
DJA X 09 02 20 46.2–.60 3N–11 98E–21 28–36 2.5,2.5
¶601997589
ISC X 09 04 41 58.5–.91 4.78N–.04 96.39E–.05 49–8 4.6b,3.5s 140 1-161
IDC X 09 04 41 51.7–.43 4.94N 96.51E 0 4.4,4.3 **¶601795711**
DJA X 09 04 41 55.8–1.0 5N–4.0 96E–4.0 15–10 5.8b,5.3
ISCJB X 09 04 41 56.7–.52 4.73N–.03 96.35E–.04 51–5 4.5b,3.6s
BJI X 09 04 41 56.6 4.48N 96.54E 52 4.8b,4.6b
NEIC X 09 04 41 57.5–.85 4.78N 96.43E 44–7 4.7b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=156.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=58.0.
ISC X 12 07 58 53.4–.00 0.82N–.06 97.05E–.09 25 4.3b 29 1-57
DJA X 12 07 58 49.1–2.8 1N–11 97E–19 21–14 3.6,3.6 **¶601870034**
IDC X 12 07 58 49.5–1.8 0.75N 97.03E 0 3.9b,3.9
ISCJB X 12 07 58 51.6–.63 0.80N–.06 97.03E–.06 25 4.1b,3.4s
NEIC X 12 07 58 54.9–.59 0.75N 97.09E 35 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=23.1km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.8km az=161.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.0km az=59.0.
ISC X 13 00 38 43.2–.71 1.88N–.05 97.13E–.07 28 4.0b 21 1-53
IDC X 13 00 38 39.7–3.5 1.91N 97.21E 0 4.0,4.0b **¶601839924**
ISCJB X 13 00 38 41.4–.56 1.78N–.05 97.09E–.07 28 4.0b,3.0s
DJA X 13 00 38 42.8–.80 2N–6.0 97E–7.0 48–21 3.8,3.8
NEIC X 13 00 38 44.3–.53 1.84N 97.04E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=140.4km s-min=26.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.7km az=150.4.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=7.8km az=74.0.
ISC X 15 11 33 40.1–1.2 1.97N–.04 97.83E–.05 56–11 4.4b,3.3s 86 1-87
IDC X 15 11 33 31.9–.59 1.78N 97.63E 0 4.7L,4.4 **¶601834422**
NEIC X 15 11 33 37.2–.30 1.77N 97.69E 35 4.5b,4.4
ISCJB X 15 11 33 39.7–.49 1.97N–.04 97.88E–.05 68–4 4.3b,4.4
DJA X 15 11 33 39.4–1.0 2N–3.0 98E–4.0 16–11 5.5b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 17 19 38 55.7–.59 1.23N–.04 97.13E–.04 34–2 5.0b,4.3s 403 0-157
IDC X 17 19 38 50.4–.44 1.17N 97.22E 0 4.8b,4.8 **¶601838141**
ISCJB X 17 19 38 53.7–.73 1.26N–.03 97.19E–.03 29–5 4.9b,4.3s
KLM X 17 19 38 53.0 1.33N 96.99E 12 4.9b,4.3s
DJA X 17 19 38 54.6–.60 1N–2.0 97E–3.0 24–4 5.2b,5.1
MOS X 17 19 38 54.9–.85 1.39N 97.26E 35 5.1b,5.1
BJI X 17 19 38 54.4 1.19N 97.35E 41 5.2b,5.2b
NEIC X 17 19 38 55.8–1.0 1.27N 97.23E 33–6 5.0b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=9.5km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=138.3.
MOS Error ellipse: s-maj=10.6km s-min=5.3km az=107.3.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=49.0.
ISC X 23 10 36 00.3–.93 0.37N–.05 98.58E–.06 43 3.4b 13 1-48
DJA X 23 10 35 58.4–.30 1N–3.0 99E–3.0 10 4.2,4.2 **¶601999357**
ISCJB X 23 10 35 60.0–.65 0.40N–.06 98.60E–.07 43 3.4b,4.2
IDC X 23 10 36 00.3–6.7 0.17N 98.66E 49–51 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=8.1km az=23.0.
IDC Error ellipse: s-maj=87.9km s-min=21.2km az=62.0.
DJA X 25 10 19 58.1–1.1 5N–4.0 96E–6.0 10 3.5,3.5
¶601999592
ISC X 29 02 22 43.7–.35 0.90N–.03 98.36E–.04 51–2 5.3b,4.4s 1053 1-177
BJI X 29 02 22 39.8 0.50N 98.40E 60 5.3b,5.2b **¶601857844**
ISCJB X 29 02 22 43.0–.33 0.88N–.02 98.35E–.02 59–3 5.3b,4.3s
MOS X 29 02 22 42.9–.99 0.96N 98.42E 57 5.7b,4.2s
IDC X 29 02 22 43.4–.50 0.93N 98.41E 46–4 5.1,4.9
DJA X 29 02 22 43.7–.50 1N–2.0 98E–2.0 30–4 5.7,5.6b
NEIC X 29 02 22 44.5–.51 0.88N 98.38E 59–4 5.4b,5.6b
GCMT X 29 02 22 45.5–.20 0.96N–.01 98.27E–.01 26–0 5.2W,5.6b
KLM X 29 02 22 46.0 0.84N 98.43E 86 5.4b,5.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.4km az=141.0.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=111.8.
IDC Error ellipse: s-maj=10.6km s-min=8.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=54.0. Felt [III] at Padangsidempuan and Sibolga, Sumatra.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c86; s84,c141;Duration: 1$0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.19±.16 $M_{\theta\theta}$3.35±.11; $M_{\phi\phi}$-2.17±.11; $M_{r\theta}$1.60±.25; $M_{\theta\phi}$1.04±.09; $M_{\phi r}$-8.13±.42; Best double couple: NP1:ϕ_s168.00000°,δ88.00000°,λ89.00000°. NP2:ϕ_s14.00000°,δ2.00000°,λ116.00000°. Principal axes: T 6.5330,Plg47.0000° ,Azm77.0000°; N 3.5370,Plg1.0000°,Azm168.0000°; P -10.0810,Plg43.0000°,Azm259.0000° M_o8.30700×10^{16}
IDC XI 02 13 49 18.1–3.5 1.07N 99.43E 0 4.0L,3.7
¶602388720
IDC Error ellipse: s-maj=158.4km s-min=22.6km az=58.0.
ISC XI 04 17 31 45.2–.99 1.79N–.06 99.07E–.08 35 12 1-42
IDC XI 04 17 31 38.5–2.1 1.87N 98.95E 0 3.7,3.7L **¶602388812**
DJA XI 04 17 31 40.5–.30 2N–3.0 99E–3.0 10 3.5,3.5
ISCJB XI 04 17 31 43.0–.73 1.87N–.06 99.15E–.06 33 3.3b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC XI 09 07 46 17.5–7.4 3.31N 96.25E 175–47 3.5,3.3
¶602389082
IDC Error ellipse: s-maj=111.0km s-min=33.8km az=60.0.
ISC XI 09 19 59 46.8–.24 0.82N–.03 97.44E–.04 27 5.1b,4.8s 603 1-159
BJI XI 09 19 59 42.1 0.74N 97.55E 13 5.3s,5.1 **¶601883151**
IDC XI 09 19 59 42.6–.42 0.90N 97.44E 0 4.8,4.7
NEIC XI 09 19 59 46.0–1.3 0.89N 97.46E 22–8 5.2b,4.7
ISCJB XI 09 19 59 45.2–.13 0.87N–.02 97.49E–.02 27 5.1b,4.9s
KLM XI 09 19 59 46.0 0.91N 97.39E 10 5.1b,4.9s
MOS XI 09 19 59 47.1–1.1 0.94N 97.54E 40 5.3b,4.7s
GCMT XI 09 19 59 48.0–.20 0.83N–.02 97.33E–.02 20–1 5.2W,4.7s
DJA XI 09 19 59 49.1–.70 1N–2.0 97E–3.0 40–5 5.6,5.4b
ISC Event type fe.
NEIC Event type fe. Felt [III] on Pulau Nias.
ISCJB Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c92; s75,c109;Duration: 1$0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.56±.19 $M_{\theta\theta}$-1.78±.13; $M_{\phi\phi}$-2.78±.15; $M_{r\theta}$3.42±.34; $M_{\theta\phi}$1.95±.11; $M_{\phi r}$-5.88±.46; Best double couple: NP1:ϕ_s148.00000°,δ74.00000°,λ93.00000°. NP2:ϕ_s317.00000°,δ17.00000°,λ79.00000°. Principal axes: T 8.2730,Plg61.0000° ,Azm63.0000°; N -0.3170,Plg3.0000°,Azm328.0000°; P -7.9560,Plg28.0000°,Azm236.0000° M_o8.11400×10^{16}
ISC XI 09 20 17 17.8–.72 0.82N–.07 97.48E–.09 27 4.6b 42 1-85
IDC XI 09 20 17 14.0–1.4 0.75N 97.43E 0 3.9,3.8 **¶602054288**
ISCJB XI 09 20 17 15.5–.54 0.73N–.06 97.40E–.07 27 4.5b,3.8
NEIC XI 09 20 17 17.3–3.4 0.75N 97.43E 24–23 4.8b,3.8
DJA XI 09 20 17 27.0–.50 1N–4.0 98E–7.0 88–12 3.9,3.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

ISC XI 10 01 14 12.1–1.2 0.68N–.08 97.3E–.10 29 14 1-54
IDC XI 10 01 14 08.4–1.9 0.72N 97.35E 0 3.8,3.7 **¶602389123**
ISCJB XI 10 01 14 11.5–1.0 0.81N–.09 97.3E–.10 29 3.6s,3.7
DJA XI 10 01 14 13.6–1.4 1N–8.0 97E–9.0 27–24 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC XI 10 14 11 26.8–.83 0.46N–.08 99.54E–.09 150 3.5b 19 0-84
ISCJB XI 10 14 11 25.1–.50 0.46N–.08 99.6E–.10 150 3.4b **¶602389157**
IDC XI 10 14 11 25.4–3.4 0.40N 99.76E 128–21 3.7,3.4
DJA XI 10 14 11 27.1–1.0 0N–4.0 100E–6.0 120–13 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XI 10 21 21 52.6–1.3 1.32N–.09 97.1E–.10 30 3.7b 15 0-56
IDC XI 10 21 21 48.2–1.6 1.34N 97.00E 0 4.4L,3.7 **¶602389174**
ISCJB XI 10 21 21 49.8–1.0 1.15N–.08 96.97E–.07 30 3.5b,3.7
DJA XI 10 21 21 59.3–.30 2N–2.0 98E–3.0 10 3.0,3.0
ISC Event type ke.
ISCJB Event type ke.
ISC XI 14 05 51 45.8–.73 0.76N–.05 98.63E–.05 35 4.2b 24 1-81
IDC XI 14 05 51 45.6–5.6 0.48N 98.59E 58–40 4.0,4.0L **¶602389378**
ISCJB XI 14 05 51 47.4–.52 0.80N–.05 98.71E–.06 35 4.0b,4.0L
DJA XI 14 05 51 48.9–.30 1N–2.0 99E–3.0 52–6 4.9b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC XI 14 14 34 17.2–1.4 0.95N–.09 97.6E–.20 27 3.1b 9 0-48
IDC XI 14 14 34 14.2–6.9 1.22N 97.99E 0 3.5,3.4 **¶602389389**
DJA XI 14 14 34 15.9–1.2 1N–6.0 97E–11 33–8 3.5,3.5
ISC Event type ke.
IDC XI 16 12 00 54.8–2.7 1.78N 99.46E 164–13 3.7,3.3
¶602389509
IDC Error ellipse: s-maj=194.2km s-min=18.1km az=56.0.
ISC XI 23 16 20 15.8–.45 2.06N–.05 96.64E–.05 28 4.4b,4.0s 114 0-145
IDC XI 23 16 20 11.4–.57 2.10N 96.68E 0 4.3,4.2 **¶601993958**
ISCJB XI 23 16 20 13.6–.34 2.00N–.04 96.65E–.04 28 4.3b,3.9s
BJI XI 23 16 20 13.7 1.91N 96.64E 32 4.9b,4.7b
NEIC XI 23 16 20 15.5–2.3 2.04N 96.67E 28–16 4.3b,4.7b
DJA XI 23 16 20 15.5–.70 2N–4.0 97E–8.0 29–11 4.8b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 24 10 51 33.7–.59 1.01N–.05 97.21E–.06 25 4.5b 64 0-145
BJI XI 24 10 51 28.8 0.45N 97.63E 28 4.7b,4.6b **¶601994124**
IDC XI 24 10 51 29.5–1.1 0.95N 97.20E 0 4.3,4.3
ISCJB XI 24 10 51 31.4–.51 0.96N–.04 97.11E–.05 25 4.4b,3.7s
NEIC XI 24 10 51 33.6–1.7 0.97N 97.19E 27–10 4.5b,3.7s
DJA XI 24 10 51 34.3–.90 1N–5.0 97E–5.0 26–6 4.8b,4.6b
KLM XI 24 10 51 39.0 1.32N 97.50E 35 4.2b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=15.8km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=144.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.3km az=53.0.
DJA XI 26 05 59 20.0–.30 4N–2.0 98E–2.0 10 3.7,3.7
¶606793152
ISC XI 26 11 09 07.3–1.6 0.32N–.05 97.67E–.07 19–6 4.2b,3.5s 65 1-145
IDC XI 26 11 09 04.3–.86 0.28N 97.66E 0 4.3,4.2 **¶601994546**
NEIC XI 26 11 09 06.2–1.6 0.27N 97.64E 14–9 4.3b,4.2
ISCJB XI 26 11 09 07.6–.94 0.32N–.05 97.70E–.08 36–7 4.2b,3.5s
DJA XI 26 11 09 08.1–.60 0N–4.0 98E–7.0 40–14 5.3b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 27 10 11 13.5–1.1 4.94N–.05 97.74E–.06 57–13 3.8b,3.3s 21 1-53
DJA XI 27 10 11 09.5–.90 5N–3.0 98E–3.0 14–8 4.4,4.4 **¶602390054**
ISCJB XI 27 10 11 11.7–.57 4.91N–.04 97.89E–.06 58–8 3.8b,3.3s
IDC XI 27 10 11 14.7–6.2 4.10N 96.82E 102–39 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.4km az=1.4.
IDC Error ellipse: s-maj=137.8km s-min=17.4km az=55.0.
DJA XI 27 12 00 27.8–.30 5N–2.0 98E–2.0 10 3.9,3.9
¶606793163
ISC XII 01 07 16 58.8–1.4 1.0N–.10 97.1E–.20 25 4.1b 9 3-54
IDC XII 01 07 16 55.0–2.0 0.92N 97.07E 0 4.0,4.0b **¶602390270**
ISCJB XII 01 07 16 57.0–1.5 1.0N–.20 97.1E–.20 25 4.0b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC XII 01 15 00 23.4–.48 3.52N–.04 96.41E–.05 62 4.1b 49 1-146
ISCJB XII 01 15 00 21.7–.46 3.46N–.05 96.31E–.05 62 4.0b **¶602068736**
IDC XII 01 15 00 23.3–.64 3.60N 96.44E 62–4 4.1,4.0
DJA XII 01 15 00 24.7–.80 4N–3.0 96E–4.0 28–11 4.3,4.3
NEIC XII 01 15 00 26.7–1.4 3.63N 96.65E 96–12 4.1b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=138.7.
IDC Error ellipse: s-maj=22.8km s-min=7.4km az=37.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=7.0km az=56.0.
IDC XII 06 19 15 53.8–3.5 2.04N 99.77E 95–124 3.3,3.2
¶602390559
IDC Error ellipse: s-maj=226.3km s-min=47.5km az=78.0.
ISC XII 08 05 39 36.3–.82 1.30N–.06 99.69E–.06 166 3.4b 23 1-54
ISCJB XII 08 05 39 35.7–.46 1.34N–.05 99.72E–.05 166 3.6b **¶602390784**
IDC XII 08 05 39 35.8–1.8 1.23N 99.69E 164–10 3.8,3.5
DJA XII 08 05 39 37.7–.50 1N–3.0 100E–3.0 156–6 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
DJA XII 08 10 08 26.5–.60 1N–4.0 99E–8.0 10 3.4,3.4
¶606793362
ISC XII 09 01 35 40.1–.68 4.02N–.05 95.72E–.08 51 4.1b 37 2-79
IDC XII 09 01 35 33.4–1.5 4.09N 95.67E 0 3.9b,3.9 **¶602060850**
NEIC XII 09 01 35 34.5–.52 3.98N 95.51E 10 4.2b,3.9
ISCJB XII 09 01 35 38.5–.48 4.09N–.07 95.69E–.06 51 4.0b,3.9
DJA XII 09 01 35 41.9–.80 4N–3.0 96E–7.0 10 3.6,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 21 49 29.6–.92 1.92N–.03 97.92E–.04 52–9 4.5b 70 1-146
ISCJB XII 09 21 49 29.4–.38 1.93N–.03 97.93E–.04 67–4 4.5b **¶602090171**
DJA XII 09 21 49 29.9–.60 2N–2.0 98E–2.0 25–7 5.6b,5.2b
IDC XII 09 21 49 30.7–2.6 1.98N 98.02E 59–21 4.4,4.2
NEIC XII 09 21 49 30.2–.57 1.87N 97.92E 59–5 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=149.6.
IDC Error ellipse: s-maj=24.8km s-min=14.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=49.0.
ISC XII 10 12 04 01.4–.96 4.36N–.06 96.67E–.09 150 3.5b 23 1-50
ISCJB XII 10 12 04 00.4–.68 4.35N–.05 96.66E–.08 150 3.4b **¶602390977**
IDC XII 10 12 04 01.1–4.9 4.51N 96.70E 135–28 3.7,3.4
DJA XII 10 12 04 01.7–.60 4N–3.0 97E–5.0 136–5 5.6b,5.1
ISC Event type ke.
ISCJB Event type ke.
ISC XII 12 02 01 59.7–.90 0.40N–.06 98.55E–.07 43 3.8b 12 1-84
IDC XII 12 02 01 52.1–2.2 0.13N 98.21E 0 3.8L,3.7 **¶602391138**
ISCJB XII 12 02 01 58.7–.58 0.43N–.05 98.55E–.08 43 3.7b,3.6s
DJA XII 12 02 01 58.2–.50 0N–4.0 99E–5.0 11–7 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC XII 13 05 52 18.1–.84 2.50N–.07 99.07E–.09 150 3.4b 17 0-53
ISCJB XII 13 05 52 17.3–.58 2.56N–.06 99.18E–.07 150 3.5b **¶602391233**
IDC XII 13 05 52 18.0–.92 2.51N 99.24E 152–14 3.7,3.4
DJA XII 13 05 52 20.2–1.1 2N–6.0 99E–7.0 141–9 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC XII 14 00 40 29.8–2.1 4.02N 95.85E 0 3.7,3.6

¶602391291
IDC Error ellipse: s-maj=77.3km s-min=18.1km az=47.0.
ISC XII 15 06 49 01.7–.94 4.34N–.09 97.89E–.10 100 3.9b 16 1-51
DJA XII 15 06 48 15.5–.50 8N–3.0 98E–6.0 10 5.0b,5.0 ¶602391367
IDC XII 15 06 49 04.1–2.6 4.02N 97.78E 139–12 3.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=108.8km s-min=15.9km az=58.0.
DJA XII 19 12 42 56.9–.30 2N–2.0 99E–2.0 10 3.6,3.6
¶606793503
DJA XII 20 09 27 31.0–.80 3N–4.0 99E–4.0 126–9 2.8,2.8
¶606793517
ISC XII 21 07 30 45.6–.46 1.04N–.04 98.73E–.04 71–3 4.5b 153 1-156
NEIC XII 21 07 30 40.8–.32 0.77N 98.41E 35 4.4b ¶602054564
IDC XII 21 07 30 44.9–.54 1.00N 98.86E 69–4 4.3,4.1
ISCJB XII 21 07 30 45.4–.31 0.97N–.03 98.73E–.03 88–3 4.3b,4.1
DJA XII 21 07 30 46.8–.20 1N–2.0 99E–3.0 63–4 5.5b,5.0
KLM XII 21 07 30 48.0 1.01N 98.90E 26 4.7b,5.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.3km az=52.0.
IDC Error ellipse: s-maj=19.3km s-min=11.1km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=140.5.
ISC XII 22 03 50 08.0–.61 5.15N–.03 94.19E–.04 46–5 5.2b,4.4s 638 3-159
BJI XII 22 03 49 58.2 4.86N 94.21E 8 5.2b,5.2b ¶602055874
MOS XII 22 03 50 05.5–1.0 5.33N 94.30E 35 5.3b,4.2s
KLM XII 22 03 50 06.0 5.02N 94.02E 42 5.3b,4.2s
ISCJB XII 22 03 50 06.2–.47 5.14N–.02 94.25E–.02 46–4 5.1b,4.4s
IDC XII 22 03 50 07.0–2.4 5.27N 94.29E 33–17 4.9,4.8
DJA XII 22 03 50 07.1–.40 5N–2.0 94E–3.0 37–4 5.5b,5.3
NEIC XII 22 03 50 08.2–.48 5.17N 94.22E 46–4 5.1b,5.3
ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=117.7.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=140.9.
IDC Error ellipse: s-maj=11.1km s-min=8.6km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=46.0. Felt [III] at Banda Aceh.
ISC XII 25 12 53 41.8–.74 2.26N–.04 98.94E–.06 139–7 4.0b 44 1-87
ISCJB XII 25 12 53 40.7–.33 2.25N–.03 98.94E–.05 144–4 3.8b ¶602380589
IDC XII 25 12 53 41.1–1.1 2.24N 98.98E 133–3 4.0,3.7
DJA XII 25 12 53 42.1–.30 2N–2.0 99E–2.0 128–4 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA XII 26 05 26 55.8–.50 0N–11 99E–3.0 35–20 3.9,3.9
¶605478673
ISC XII 26 19 08 04.5–.61 0.90N–.03 98.65E–.04 88–5 4.8b 336 1-160
BJI XII 26 19 07 57.8 0.40N 98.74E 75 5.2b,4.9b ¶602059072
IDC XII 26 19 08 03.4–1.5 0.90N 98.81E 75–12 4.7,4.4
ISCJB XII 26 19 08 03.4–.27 0.89N–.02 98.68E–.02 91–2 4.8b,4.4
DJA XII 26 19 08 04.6–.10 1N–2.0 99E–2.0 72–2 5.2b,4.9b
NEIC XII 26 19 08 04.1–.49 0.85N 98.76E 86–4 4.9b,4.9b
KLM XII 26 19 08 05.0 0.95N 98.63E 56 5.0b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=9.3km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.9km az=139.3.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=51.0.
IDC XII 28 09 15 56.6–5.9 2.04N 100.04E 0 3.6,3.4
¶602380768
IDC Error ellipse: s-maj=335.5km s-min=26.6km az=55.0.
DJA XII 28 17 18 37.8–.30 0N–2.0 100E–3.0 10 3.8,3.8
¶606793633
DJA XII 28 17 24 41.3–.40 0N–3.0 100E–3.0 10 3.8,3.8
¶606793632
ISC XII 28 20 56 40.8–1.5 2.2N–.10 96.2E–.20 21–2 3.6b 11 0-52
IDC XII 28 20 56 37.8–2.3 2.23N 96.17E 0 3.5,3.5b ¶602380798
ISCJB XII 28 20 56 39.6–2.6 2.2N–.10 96.1E–.20 27–12 3.5b,3.5b
DJA XII 28 20 56 41.4–1.3 2N–7.0 96E–12 10 2.9,2.9
ISC Event type ke.
ISCJB Event type ke.
IDC XII 28 21 58 54.2–2.2 0.54N 97.35E 0 3.5,3.5b
¶602380802
IDC Error ellipse: s-maj=61.8km s-min=31.1km az=62.0.
ISC XII 29 11 29 07.4–1.1 2.24N–.06 96.30E–.09 28 3.8b 16 0-52
ISCJB XII 29 11 29 05.6–.89 2.21N–.05 96.18E–.07 28 3.6b ¶602380835
DJA XII 29 11 29 07.7–.80 2N–3.0 96E–13 17–8 4.4b,3.8
IDC XII 29 11 29 10.3–7.3 2.25N 96.36E 54–60 3.5,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=161.8.
IDC Error ellipse: s-maj=55.9km s-min=18.7km az=56.0.
ISC XII 29 21 22 13.1–.68 1.47N–.05 99.06E–.06 109–5 3.6b 28 1-146
ISCJB XII 29 21 22 12.3–.47 1.48N–.05 99.05E–.06 118–5 3.6b ¶602380856
IDC XII 29 21 22 12.3–1.2 1.36N 99.20E 104–8 3.5,3.4
DJA XII 29 21 22 14.2–.50 1N–2.0 99E–3.0 94–6 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.

SEISMIC REGION 47.
Baluchistan.

(709) Southeastern Afghanistan.

ISC VII 01 02 32 44.2–1.5 34.82N–.09 70.4E–.10 35 23 6-18
ISCJB VII 01 02 32 43.8–1.4 34.78N–.08 70.4E–.20 33 ¶601273504
NNC VII 01 02 32 54.7–6.8 35.42N 70.14E 121–121 3.8,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=8.0km az=157.5.
NNC Event type se. Error ellipse: s-maj=68.2km s-min=52.1km az=112.0.
ISC VII 26 10 57 40.2–.69 34.15N–.07 70.09E–.07 35 3.7b 44 6-84
IDC VII 26 10 57 35.6–.86 34.30N 70.17E 0 3.8,3.7 ¶601532885
ISCJB VII 26 10 57 38.4–.49 34.20N–.04 70.10E–.06 33 3.7b,3.7
NNC VII 26 10 57 45.8–4.9 34.30N 70.13E 187–108 4.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=18.3km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=148.4.
NNC Event type se. Error ellipse: s-maj=52.4km s-min=39.3km az=80.0.
NNC VIII 09 22 17 30.6–2.6 34.64N 68.66E 0 3.9b,3.5
¶601614430
NNC Event type se. Error ellipse: s-maj=34.8km s-min=20.7km az=111.0.
ISC VIII 17 05 11 14.0–.93 34.38N–.09 70.6E–.10 42 3.7b 19 9-83
ISCJB VIII 17 05 11 12.7–.77 34.45N–.06 70.6E–.10 42 3.6b,3.0s ¶601765968
IDC VIII 17 05 11 16.3–6.3 34.55N 70.53E 56–55 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.1km az=155.5.
IDC Error ellipse: s-maj=36.7km s-min=26.0km az=30.0.
NNC VIII 17 18 04 03.7–5.8 34.72N 69.92E 0 3.5b,3.2
¶601664074
NNC Event type se. Error ellipse: s-maj=65.2km s-min=44.0km az=120.0.
ISC VIII 21 14 19 09.3–1.9 34.5N–.10 68.9E–.20 35 13 7-82
IDC VIII 21 14 19 04.3–3.5 34.45N 68.91E 0 3.5,3.4 ¶601673402
NNC VIII 21 14 19 11.8–2.8 34.86N 68.96E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=96.6km s-min=29.4km az=96.0.
NNC Event type se. Error ellipse: s-maj=31.9km s-min=21.9km az=115.0.
ISC XII 29 13 19 50.5–1.3 32.1N–.10 67.7E–.10 35 3.4b 13 12-86
IDC XII 29 13 19 47.5–1.1 32.56N 67.26E 0 3.5,3.4 ¶602353161
ISCJB XII 29 13 19 48.6–1.0 32.19N–.07 67.8E–.10 33 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.

(710) Pakistan.

ISC VII 07 19 54 16.5–1.1 31.87N–.06 71.8E–.10 35 3.4b 26 4-81
ISCJB VII 07 19 54 15.2–.93 31.91N–.06 71.87E–.08 33 3.3b,3.1s ¶601663604
IDC VII 07 19 54 15.4–2.9 31.96N 72.89E 0 3.6,3.4
NDI VII 07 19 54 19.5–2.3 31.82N 72.06E 10 3.2L,3.4
NNC VII 07 19 54 21.3–4.3 32.54N 70.33E 0 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.7km az=141.0.
IDC Error ellipse: s-maj=84.6km s-min=19.0km az=76.0.
NDI Error ellipse: s-maj=11.1km s-min=19.5km az=-1.0.
NNC Event type se. Error ellipse: s-maj=74.6km s-min=33.5km az=102.0.
ISC VII 17 10 26 56.6–.51 31.31N–.04 73.48E–.04 47–5 3.9b 81 1-80
ISCJB VII 17 10 26 55.9–.45 31.25N–.03 73.49E–.04 58–6 3.8b ¶601497211
NDI VII 17 10 26 55.8–1.6 31.24N 73.55E 11–9 4.2b,4.1L
IDC VII 17 10 26 56.8–.71 31.27N 73.46E 45–6 4.0,3.9L
NEIC VII 17 10 26 57.1–.94 31.30N 73.48E 49–8 4.2b,3.9L
NNC VII 17 10 27 05.4–5.5 32.21N 72.71E 0 4.7,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=141.4.
NDI Error ellipse: s-maj=3.8km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=14.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.5km az=142.0.
NNC Event type se. Error ellipse: s-maj=107.7km s-min=41.6km az=93.0.
NNC VII 27 23 06 03.6–3.0 35.43N 71.40E 0 3.7b,3.3
¶601534014
NNC Event type se. Error ellipse: s-maj=33.0km s-min=22.0km az=107.0.
ISC VIII 07 12 44 30.4–.97 29.5N–.20 67.7E–.20 24 3.5s,3.5b 9 10-88
IDC VIII 07 12 44 26.8–.98 29.50N 67.83E 0 3.8L,3.7 ¶601765605
ISCJB VIII 07 12 44 28.5–.75 29.5N–.10 67.7E–.20 24 3.6s,3.4b
ISC Event type ke.
ISCJB Event type ke.
NNC VIII 13 19 05 04.0–7.0 35.09N 71.77E 0 3.7b,3.3
¶601626892
NNC Event type se. Error ellipse: s-maj=84.6km s-min=50.6km az=110.0.
ISC VIII 13 20 32 59.1–.42 34.82N–.03 73.71E–.03 28–2 5.3b,4.2s 1056 1-152
IDC VIII 13 20 32 54.6–.27 34.81N 73.72E 0 5.2,5.2 ¶601556030
NNC VIII 13 20 32 56.9–3.4 34.91N 73.53E 0 5.4b,5.3
ISCJB VIII 13 20 32 56.2–.55 34.85N–.01 73.67E–.02 19–4 5.2b,4.2s
GCMT VIII 13 20 32 57.3–.20 34.88N–.02 73.75E–.02 18–1 5.0W,4.2s
NEIC VIII 13 20 32 59.3–1.1 34.85N 73.66E 28–7 5.4b,4.2s
MOS VIII 13 20 32 59.8–1.0 34.93N 73.71E 44 5.4b,4.2s
BJI VIII 13 20 33 00.8 34.93N 74.09E 35 5.4b,5.3L
ISC Event type fe.
IDC Error ellipse: s-maj=8.9km s-min=7.1km az=23.0.
NNC Event type se. Error ellipse: s-maj=31.1km s-min=23.4km az=136.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=40.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c42; s84,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.20 $M_{\theta\theta}$-0.51±.13; $M_{\phi\phi}$-2.43±.13; $M_{r\theta}$-0.62±.34; $M_{\theta\phi}$-2.17±.09; $M_{\phi r}$2.50±.32; Best double couple: NP1:ϕ_s7.00000°,δ65.00000°,λ61.00000°. NP2:ϕ_s239.00000°,δ38.00000°,λ136.00000°. Principal axes: T 4.3500,Plg60.0000° ,Azm234.0000°; N -0.0370,Plg26.0000°,Azm20.0000°; P -4.3110,Plg15.0000° ,Azm118.0000° M_o4.33000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=195.0. Felt [III] at Srinagar, India. Also felt at Badami Bagh and Doda. Felt at Islamabad, Pakistan.
MOS Error ellipse: s-maj=4.8km s-min=3.2km az=109.1.
ISC VIII 30 03 27 23.3–.55 31.94N–.05 69.79E–.05 35 4.0b,3.2s 83 3-147
IDC VIII 30 03 27 18.9–.95 32.05N 69.74E 0 4.0,3.9 ¶601712283
ISCJB VIII 30 03 27 21.3–.39 32.01N–.03 69.91E–.04 33 4.0b,3.2s
NNC VIII 30 03 27 24.9–5.2 32.37N 69.43E 0 4.2b,3.2s
NEIC VIII 30 03 27 25.9–1.5 32.11N 69.77E 51–12 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=18.2km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.2km az=40.3.
NNC Event type se. Error ellipse: s-maj=75.0km s-min=29.1km az=132.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.3km az=187.0.
ISC IX 02 05 48 37.8–.37 29.51N–.05 68.02E–.04 24 4.5b,3.6s 211 5-99
IDC IX 02 05 48 34.4–.55 29.54N 67.95E 0 4.5L,4.2 ¶601670436
ISCJB IX 02 05 48 35.6–.20 29.49N–.03 68.09E–.02 24 4.4b,3.6s
NEIC IX 02 05 48 35.8–.22 29.53N 67.91E 10 4.5b,3.6s
MOS IX 02 05 48 38.0–1.1 29.64N 67.99E 33 4.6b,3.6s
BJI IX 02 05 48 40.9 29.91N 68.31E 25 4.6b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=12.8km az=141.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=11.7.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=154.0. Felt strongly at Sibi.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=92.0.
ISC IX 05 03 01 17.5–.85 26.2N–.10 66.35E–.09 35 4.2b 49 8-89
IDC IX 05 03 01 12.7–1.1 26.17N 66.23E 0 4.0,3.9 ¶601839168
ISCJB IX 05 03 01 15.7–.54 26.23N–.07 66.25E–.07 33 4.2b,3.9
NEIC IX 05 03 01 17.8–.56 26.21N 66.24E 35 4.4b,3.9
OMAN IX 05 03 01 34.9–99 25.99N 64.80E 31–999 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=19.1km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.6km az=141.4.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.8km az=150.0.
OMAN Error ellipse: s-maj=489.2km s-min=49.1km az=256.0.
ISC IX 13 08 17 53.0–.34 30.02N–.04 70.15E–.04 12 4.5b,3.9s 191 3-145
IDC IX 13 08 17 50.7–.56 29.97N 70.04E 0 4.4,4.3 ¶601712544
ISCJB IX 13 08 17 51.5–.22 30.08N–.03 70.23E–.03 12 4.5b,3.9s
NEIC IX 13 08 17 52.8–.31 30.03N 70.13E 10 4.7b,3.9s
BJI IX 13 08 17 53.1 30.21N 70.26E 8 4.8b,4.6b
MOS IX 13 08 17 54.1–1.5 30.20N 70.28E 24 4.7b,4.6b
NDI IX 13 08 17 54.3–2.5 30.01N 70.09E 10 4.7b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=12.0km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=20.8.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=140.0.
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=88.3.
NDI Error ellipse: s-maj=9.4km s-min=14.7km az=-1.0.
IDC IX 25 11 01 40.3–8.6 31.75N 71.08E 0 3.6,3.5b
¶601864149
IDC Error ellipse: s-maj=287.7km s-min=32.9km az=87.0.
ISC IX 28 16 31 56.1–.98 28.6N–.20 66.5E–.20 20 4.0b 10 6-83
IDC IX 28 16 31 53.5–1.2 28.57N 66.60E 0 4.0,4.0 ¶601864360
ISCJB IX 28 16 31 54.2–.93 28.5N–.20 66.6E–.20 20 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IX 28 22 14 47.2–.51 29.37N–.07 67.85E–.05 24 3.9b,3.4s 78 5-83
BJI IX 28 22 14 42.9 29.30N 67.90E 10 4.8b,4.4b ¶601767274
IDC IX 28 22 14 43.9–.87 29.41N 67.73E 0 3.8,3.7
NEIC IX 28 22 14 44.9–.60 29.31N 67.92E 10 4.3b,3.7
ISCJB IX 28 22 14 45.1–.27 29.35N–.04 67.85E–.03 24 4.2b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 11 23 54 29.7–.33 34.13N–.04 73.82E–.03 20 4.4b 204 1-103
IDC X 11 23 54 26.6–.53 34.14N 73.69E 0 4.3,4.2 ¶601828935
ISCJB X 11 23 54 27.9–.16 34.12N–.02 73.81E–.03 20 4.4b,3.3s
BJI X 11 23 54 28.5 34.31N 73.65E 26 4.7b,4.6b
NEIC X 11 23 54 30.6–.93 34.11N 73.70E 26–6 4.6b,4.6b
NDI X 11 23 54 33.1–2.6 33.97N 73.58E 21–62 4.7L,4.6b
NNC X 11 23 54 34.5–3.9 34.51N 74.03E 0 4.8b,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=11.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.4km az=180.0. Felt at Abbottabad.
NDI Error ellipse: s-maj=53.4km s-min=36.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=38.2km s-min=28.6km az=80.0.
ISC X 17 09 46 49.1–1.4 34.6N–.10 72.6E–.20 25 3.8b 9 6-80
IDC X 17 09 46 45.3–2.7 34.47N 72.66E 0 4.2,4.2s ¶601864393
ISCJB X 17 09 46 47.5–1.1 34.57N–.09 72.7E–.20 25 4.2s,3.6b
ISC Event type ke.
ISCJB Event type ke.
IDC X 18 02 16 58.2–1.4 31.57N 69.85E 0 3.3,3.2b
¶601998734
IDC Error ellipse: s-maj=41.3km s-min=32.3km az=141.0.

ISC	**X**	**23 14 34 16.0–.68**	**29.73N–.10**	**66.61E–.08**	**35**	**4.1b,2.9s**	**35**	**5-84**	
IDC	X	23 14 34 11.3–1.1	29.79N	66.54E	0	4.0,3.9			**¶601874202**
NEIC	X	23 14 34 13.0–.55	29.79N	66.56E	10	4.2b,3.9			
ISCJB	X	23 14 34 13.5–.47	29.79N–.06	66.53E–.05	33	4.1b,3.1s			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**X**	**25 13 19 43.0–.95**	**27.0N–.20**	**67.1E–.10**	**35**	**3.6b**	**16**	**9-85**	
IDC	X	25 13 19 38.1–.89	26.99N	67.26E	0	3.9,3.8			**¶601847465**
ISCJB	X	25 13 19 41.2–.74	27.0N–.10	67.2E–.10	33	3.7b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XI**	**05 19 53 29.1–.68**	**29.61N–.09**	**66.29E–.07**	**35**	**3.5b,3.0s**	**27**	**6-84**	
IDC	XI	05 19 53 25.0–.92	29.70N	66.34E	0	3.8,3.6			**¶602080808**
ISCJB	XI	05 19 53 27.9–.56	29.73N–.07	66.33E–.06	33	3.5b,3.2s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XI**	**17 11 58 37.0–1.9**	**30.8N–.10**	**70.4E–.20**	**10**	**3.2b**	**9**	**6-81**	
IDC	XI	17 11 58 34.6–4.2	30.68N	70.31E	0	3.8L,3.6			**¶602389565**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=125.5km s-min=23.4km az=88.0.								
ISC	**XI**	**19 06 50 03.6–.81**	**35.75N–.06**	**72.78E–.08**	**10**	**3.7b**	**33**	**4-83**	
ISCJB	XI	19 06 50 01.6–.61	35.67N–.04	72.89E–.09	10	3.5b			**¶601992852**
IDC	XI	19 06 50 02.9–1.1	35.78N	72.75E	0	3.8,3.7			
NNC	XI	19 06 50 16.0–4.8	35.98N	72.35E	91–84	3.5,3.2b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=11.8km s-min=4.2km az=154.7.								
IDC	Error ellipse: s-maj=28.8km s-min=21.8km az=80.0.								
NNC	Event type se. Error ellipse: s-maj=44.3km s-min=34.6km az=82.0.								
ISC	**XI**	**19 17 54 08.0–.58**	**30.44N–.03**	**67.57E–.03**	**15–3**	**5.2b,5.1s**	**659**	**4-146**	
IDC	XI	19 17 54 05.1–.37	30.49N	67.55E	0	5.0,5.0s			**¶601992992**
ISCJB	XI	19 17 54 06.2–.12	30.49N–.02	67.54E–.02	15	5.1b,5.1s			
GCMT	XI	19 17 54 06.5–.10	30.31N–.01	67.57E–.01	12	5.3W,5.1s			
NEIC	XI	19 17 54 07.5–.23	30.54N	67.58E	10	5.3b,5.1s			
NNC	XI	19 17 54 07.4–2.3	30.69N	67.70E	0	5.3b,5.1s			
MOS	XI	19 17 54 09.2–1.5	30.54N	67.62E	33	5.2b,5.0s			
BJI	XI	19 17 54 09.5	30.74N	68.05E	5	5.4s,5.3			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=12.4km s-min=8.3km az=27.0.								
ISCJB	Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=19.7.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c112; s114,c210;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.21±.01; $M_{r\theta}$0.49±.04; $M_{\theta\phi}$0.21±.01; $M_{\phi r}$0.21±.04; Best double couple: NP1:ϕ_s228.00000°,δ81.00000°,λ-25.00000°. NP2:ϕ_s322.00000°,δ65.00000°,λ-170.00000°. Principal axes: T 1.2780,Plg11.0000° ,Azm277.0000°; N -0.0310,Plg63.0000°,Azm29.0000°; P -1.2480,Plg24.0000° ,Azm183.0000° $M_0$1.26300×10^{17}								
NEIC	Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=26.0. Felt [II] at Quetta. Also felt at Chaman, Harnai, Kalat, Kuchlagh, Mastung, Multan, Pishin and Ziarat.								
NNC	Event type se. Error ellipse: s-maj=31.7km s-min=20.3km az=144.0.								
MOS	Error ellipse: s-maj=5.5km s-min=3.8km az=104.4.								
ISC	**XI**	**19 17 58 08.9–.44**	**30.48N–.06**	**67.53E–.06**	**14**	**4.7b**	**135**	**4-145**	
ISCJB	XI	19 17 58 07.2–.27	30.48N–.04	67.57E–.04	14	4.8s,4.5b			**¶601992995**
IDC	XI	19 17 58 07.4–.54	30.58N	67.65E	0	4.8,4.8s			
NEIC	XI	19 17 58 08.8–3.4	30.49N	67.57E	12–21	4.8b,4.8s			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.0km s-min=4.4km az=176.8.								
IDC	Error ellipse: s-maj=14.3km s-min=11.1km az=11.0.								
NEIC	Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=191.0.								
ISC	**XI**	**19 22 38 02.3–.40**	**30.31N–.05**	**67.60E–.04**	**14**	**4.3b,4.0s**	**168**	**4-98**	
IDC	XI	19 22 37 59.6–.65	30.40N	67.50E	0	4.1,4.1L			**¶601993045**
NNC	XI	19 22 38 00.3–5.5	30.31N	67.88E	0	4.3b,4.1L			
ISCJB	XI	19 22 38 00.7–.27	30.41N–.03	67.61E–.03	14	4.2b,3.9s			
NEIC	XI	19 22 38 01.3–2.4	30.40N	67.46E	9–15	4.5b,3.9s			
BJI	XI	19 22 38 01.5	30.50N	67.71E	6	4.9b,4.6s			
MOS	XI	19 22 38 03.8–1.1	30.50N	67.59E	33	4.4b,4.6s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=15.9km s-min=11.3km az=9.0.								
NNC	Event type se. Error ellipse: s-maj=79.3km s-min=50.7km az=133.0.								
ISCJB	Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=30.0.								
NEIC	Event type fe. Error ellipse: s-maj=6.3km s-min=4.7km az=176.0. Felt in the Quetta area.								
MOS	Error ellipse: s-maj=8.6km s-min=5.7km az=85.7.								
ISC	**XI**	**20 04 53 34.9–.53**	**30.30N–.07**	**67.47E–.06**	**14**	**4.0b,3.4s**	**54**	**4-88**	
ISCJB	XI	20 04 53 33.1–.39	30.28N–.05	67.53E–.05	14	4.0b,3.3s			**¶602081947**
IDC	XI	20 04 53 33.5–.86	30.28N	67.40E	0	4.0,3.9			
NEIC	XI	20 04 53 34.8–.44	30.34N	67.43E	10	4.1b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=27.3.								
IDC	Error ellipse: s-maj=20.9km s-min=18.8km az=39.0.								
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=8.5km az=111.0.								
ISC	**XI**	**25 16 04 58.9–.59**	**32.64N–.07**	**71.78E–.06**	**35**	**3.9b**	**74**	**2-85**	
IDC	XI	25 16 04 54.3–.74	32.65N	71.62E	0	4.0,3.9			**¶601994403**
ISCJB	XI	25 16 04 56.9–.40	32.64N–.04	71.90E–.05	33	3.9b,2.9s			
MOS	XI	25 16 04 58.0–1.6	32.74N	71.73E	33	4.4b,2.9s			
NEIC	XI	25 16 04 59.1–3.5	32.71N	71.73E	32–25	4.3b,2.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.8km s-min=15.2km az=49.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=42.3.								
MOS	Error ellipse: s-maj=12.7km s-min=6.9km az=91.9.								
NEIC	Event type se. Error ellipse: s-maj=13.0km s-min=7.4km az=202.0.								
ISC	**XI**	**30 01 57 17.0–1.1**	**34.6N–.20**	**73.2E–.20**	**21**	**3.6b**	**13**	**11-79**	
IDC	XI	30 01 57 13.8–1.5	34.59N	73.12E	0	3.8,3.7b			**¶602390213**
ISCJB	XI	30 01 57 14.6–.88	34.6N–.10	73.2E–.20	21	3.7b,3.7b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**03 07 11 00.1–.60**	**35.97N–.05**	**72.20E–.08**	**100**	**3.7b**	**47**	**2-81**	
IDC	XII	03 07 10 57.0–3.9	35.90N	71.81E	50–34	3.9,3.8			**¶602042889**
ISCJB	XII	03 07 10 58.1–.46	35.93N–.03	72.04E–.07	100	3.8b,3.8			
NNC	XII	03 07 11 00.1–1.1	36.41N	71.26E	0	4.0b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.6km s-min=19.6km az=166.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=158.6.								
NNC	Event type se. Error ellipse: s-maj=10.5km s-min=5.9km az=146.0.								
ISC	**XII**	**05 07 26 40.5–.79**	**30.3N–.10**	**67.9E–.10**	**13**	**3.9b**	**38**	**4-88**	
ISCJB	XII	05 07 26 38.7–.55	30.25N–.07	67.87E–.09	13	3.9b,2.5s			**¶602330180**
IDC	XII	05 07 26 38.4–.92	30.22N	67.88E	0	4.1,4.0			
NEIC	XII	05 07 26 40.0–.50	30.22N	67.87E	10	4.3b,4.0			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.3km s-min=8.3km az=38.3.								
IDC	Error ellipse: s-maj=23.4km s-min=20.5km az=121.0.								
NEIC	Event type se. Error ellipse: s-maj=11.9km s-min=7.6km az=130.0.								
ISC	**XII**	**06 23 26 56.5–.37**	**28.36N–.05**	**66.27E–.04**	**35**	**4.2b,3.7s**	**159**	**6-122**	
IDC	XII	06 23 26 51.6–.71	28.34N	66.24E	0	4.1,4.0			**¶602006321**
NEIC	XII	06 23 26 53.7–2.7	28.40N	66.16E	11–17	4.3b,4.0			
ISCJB	XII	06 23 26 54.2–.20	28.28N–.03	66.22E–.02	33	4.2b,3.6s			
MOS	XII	06 23 26 57.6–1.3	28.61N	66.19E	42	4.4b,3.6s			
OMAN	XII	06 23 27 41.9–24	26.82N	62.65E	8	4.4b,3.6s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=19.4km s-min=13.8km az=18.0.								
NEIC	Event type fe. Error ellipse: s-maj=7.3km s-min=5.2km az=165.0. Felt at Quetta.								
ISCJB	Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=172.5.								
MOS	Error ellipse: s-maj=10.3km s-min=6.5km az=72.6.								
OMAN	Error ellipse: s-maj=485.5km s-min=33.6km az=242.0.								
ISC	**XII**	**07 06 17 41.2–1.1**	**28.4N–.20**	**66.5E–.10**	**35**	**3.6b,3.1s**	**15**	**6-89**	
IDC	XII	07 06 17 35.5–.89	28.24N	66.43E	0	3.8,3.7			**¶602390575**
ISCJB	XII	07 06 17 38.7–.78	28.3N–.10	66.4E–.10	33	3.6b,3.2s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**14 03 52 52.1–.57**	**34.88N–.06**	**73.58E–.06**	**21**	**4.0b**	**74**	**4-83**	
IDC	XII	14 03 52 48.8–.75	34.87N	73.77E	0	4.0,3.9b			**¶602060368**
ISCJB	XII	14 03 52 50.1–.34	34.89N–.04	73.82E–.06	21	3.9b,3.9b			
NEIC	XII	14 03 52 56.8–.87	35.05N	73.83E	57–7	4.1b,3.9b			
NNC	XII	14 03 52 57.6–2.2	35.26N	72.84E	0	4.0b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=19.2km s-min=16.2km az=99.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=151.5.								
NEIC	Event type se. Error ellipse: s-maj=8.5km s-min=5.9km az=156.0.								
NNC	Event type se. Error ellipse: s-maj=15.9km s-min=12.9km az=1.0.								
ISC	**XII**	**17 18 27 16.2–.81**	**29.7N–.10**	**70.20E–.09**	**35**	**3.5b**	**18**	**11-81**	
IDC	XII	17 18 27 11.2–1.0	29.73N	70.18E	0	3.8,3.7			**¶602391564**
ISCJB	XII	17 18 27 13.9–.63	29.7N–.10	70.21E–.07	33	3.5b,3.7			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**25 17 36 31.3–.57**	**28.40N–.04**	**66.51E–.03**	**24–3**	**5.0b,4.3s**	**619**	**6-130**	
NNC	XII	25 17 36 23.7–3.5	27.83N	67.21E	0	5.0b,4.3s			**¶602058394**
ISCJB	XII	25 17 36 28.3–.13	28.38N–.02	66.47E–.02	16	5.0b,4.2s			
GCMT	XII	25 17 36 28.8–.30	28.32N–.02	66.45E–.02	16–1	4.9W,4.2s			
BJI	XII	25 17 36 28.5	28.61N	66.54E	6	5.1b,4.8b			
IDC	XII	25 17 36 28.0–.41	28.42N	66.48E	0	4.8,4.7			
MOS	XII	25 17 36 31.4–1.1	28.50N	66.50E	33	5.1b,4.1s			
NEIC	XII	25 17 36 32.8–.17	28.46N	66.47E	35	5.0b,4.1s			
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=45.5km s-min=30.6km az=6.0.								
ISCJB	Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=1.9.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c31; s84,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.14±.12 $M_{\theta\theta}$-2.13±.10; $M_{\phi\phi}$0.98±.09; $M_{r\theta}$-0.30±.22; $M_{\theta\phi}$-1.57±.07; $M_{\phi r}$-0.75±.28; Best double couple: NP1:ϕ_s209.00000°,δ72.00000°,λ32.00000°. NP2:ϕ_s108.00000°,δ60.00000°,λ160.00000°. Principal axes: T 2.0440,Plg35.0000° ,Azm72.0000°; N 0.8190,Plg54.0000°,Azm235.0000°; P -2.8650,Plg8.0000°,Azm336.0000° $M_0$2.45400×10^{16}								
IDC	Error ellipse: s-maj=11.5km s-min=10.6km az=178.0.								
MOS	Error ellipse: s-maj=5.3km s-min=3.7km az=107.1.								
NEIC	Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=174.0.								
ISC	**XII**	**30 08 39 57.7–1.4**	**34.47N–.09**	**73.1E–.20**	**21**	**3.6b**	**20**	**6-82**	
IDC	XII	30 08 39 55.7–2.0	34.52N	73.64E	0	3.7,3.7s			**¶602320575**
ISCJB	XII	30 08 39 56.5–1.1	34.52N–.06	73.4E–.20	21	3.7s,3.5b			
NNC	XII	30 08 40 02.9–6.5	34.91N	72.60E	0	3.9b,3.5			
ISC	Event type se.								
IDC	Error ellipse: s-maj=63.5km s-min=27.9km az=74.0.								
ISCJB	Event type se. Error ellipse: s-maj=19.4km s-min=5.5km az=159.0.								
NNC	Event type se. Error ellipse: s-maj=77.9km s-min=48.0km az=99.0.								

(711) Southwestern Kashmir.

ISC	**XII**	**29 07 11 40.1–1.0**	**34.27N–.09**	**74.1E–.10**	**26**	**3.8b**	**17**	**6-81**	
IDC	XII	29 07 11 36.3–1.0	34.35N	74.03E	0	3.8,3.7b			**¶602312580**
ISCJB	XII	29 07 11 38.1–.85	34.27N–.08	74.2E–.10	26	3.6b,3.7b			
ISC	Event type ke.								
ISCJB	Event type ke.								

(712) India-Pakistan border region.

IDC	**XI**	**03 19 23 57.1–39**	**27.32N**	**70.13E**	**0**	**3.7,3.7**			
									¶602388781
IDC	Error ellipse: s-maj=1270.0km s-min=33.6km az=138.0.								
ISC	**XI**	**24 20 23 01.3–1.9**	**31.3N–.10**	**74.6E–.10**	**35**		**32**	**8-21**	
NNC	XI	24 20 23 08.3–4.6	32.00N	73.67E	0	4.2,4.1b			**¶602030307**
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=57.8km s-min=34.5km az=106.0.								
ISC	**XII**	**03 04 34 44.6–.87**	**31.46N–.05**	**74.16E–.08**	**35**	**3.8b**	**54**	**2-77**	
ISCJB	XII	03 04 34 44.0–.60	31.50N–.04	74.38E–.08	33	4.0s,3.6b			**¶602042886**
NDI	XII	03 04 34 47.0–1.6	31.41N	74.16E	35	3.5L,3.6b			
IDC	XII	03 04 34 50.5–8.5	31.73N	75.22E	53–78	3.9s,3.9			
NNC	XII	03 04 34 55.9–1.9	32.15N	74.76E	72–17	4.2,3.6b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.9km s-min=3.5km az=151.0.								
NDI	Error ellipse: s-maj=5.0km s-min=11.3km az=-1.0.								
IDC	Error ellipse: s-maj=56.6km s-min=38.5km az=52.0.								
NNC	Event type se. Error ellipse: s-maj=27.0km s-min=13.9km az=83.0.								

SEISMIC REGION 48.
Hindu Kush and Pamir.

(713) Central Kazakhstan.

ISC	**VII**	**20 06 46 06.9–1.1**	**43.34N–.03**	**74.07E–.02**	**11–9**		**87**	**0-4**	
ISCJB	VII	20 06 46 06.9–.65	43.33N–.03	74.01E–.03	6–3				**¶601513154**
SOME	VII	20 06 46 06.8	43.35N	74.07E	10				
KRNET	VII	20 06 46 07.0–.10	43.34N	74.04E	26	3.2b			
NNC	VII	20 06 46 07.1–.76	43.30N	74.07E	15–5	3.4b,2.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=3.0km az=159.3.								
NNC	Event type se. Error ellipse: s-maj=5.4km s-min=2.3km az=174.0.								
ISC	**VIII**	**03 18 42 03.5–2.5**	**41.80N–.05**	**68.8E–.10**	**6–11**		**16**	**1-5**	
SOME	VIII	03 18 42 06.2	41.78N	69.25E	10				**¶601564495**
KRNET	VIII	03 18 42 07.2–.10	41.63N	69.03E		2.6b			
NNC	VIII	03 18 42 08.1–2.2	41.91N	69.22E	0	3.1b,2.8			
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=18.8km s-min=10.1km az=94.0.								
ISC	**VIII**	**22 07 57 39.0–.44**	**41.36N–.04**	**68.07E–.03**	**10**	**4.0b,3.1s**	**127**	**1-89**	
BJI	VIII	22 07 57 34.0	41.30N	67.80E	15	4.2b,4.1L			**¶601614642**
ISCJB	VIII	22 07 57 36.7–.31	41.29N–.04	67.93E–.03	10	3.9b,3.1s			
IDC	VIII	22 07 57 37.3–.63	41.11N	68.08E	0	4.1,3.9			
NNC	VIII	22 07 57 38.5–1.9	41.42N	67.94E	0	4.2b,3.9			
NEIC	VIII	22 07 57 38.9–.40	41.25N	68.06E	10	4.2b,3.9			
MOS	VIII	22 07 57 40.5–1.8	41.34N	68.05E	39	4.2b,3.9			
SOME	VIII	22 07 57 40.9	41.40N	68.05E	0	2.7s,3.9			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=170.4.								
IDC	Error ellipse: s-maj=12.3km s-min=8.5km az=174.0.								
NNC	Event type se. Error ellipse: s-maj=17.2km s-min=12.6km az=26.0.								
NEIC	Event type fe. Error ellipse: s-maj=8.1km s-min=5.9km az=166.0. Felt at Tashkent, Uzbekistan.								
MOS	Error ellipse: s-maj=7.7km s-min=5.7km az=79.5.								
ISC	**VIII**	**23 14 13 51.7–1.1**	**44.09N–.02**	**74.70E–.02**	**8–10**		**84**	**1-9**	
NNC	VIII	23 14 13 50.7–1.1	44.14N	74.72E	1–9	3.8b,3.5			**¶601615605**
SOME	VIII	23 14 13 53.2	44.12N	74.80E	10	3.8b,3.5			
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=6.7km s-min=5.8km az=95.0.								
ISC	**IX**	**21 03 38 03.8–1.4**	**42.41N–.03**	**70.86E–.04**	**15–12**		**41**	**1-5**	
KRNET	IX	21 03 38 06.1–.10	42.38N	70.91E	14	2.6b			**¶601783704**
NNC	IX	21 03 38 06.9–.68	42.44N	70.97E	0	2.8b,2.6			
SOME	IX	21 03 38 07.8	42.43N	70.87E	20	2.8b,2.6			
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=6.7km s-min=1.4km az=32.0.								
ISC	**IX**	**22 22 56 48.6–1.1**	**43.08N–.03**	**71.30E–.02**	**4–10**		**63**	**0-3**	
NNC	IX	22 22 56 47.4–.38	43.06N	71.30E	0	2.6b,2.3			**¶601792380**
SOME	IX	22 22 56 48.6	43.12N	71.28E	10	2.6b,2.3			
KRNET	IX	22 22 56 48.9–.10	43.10N	71.31E	17	2.5b,2.3			
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=4.7km s-min=1.7km az=18.0.								
KRNET	**IX**	**23 17 56 08.3–.10**	**43.03N**	**74.94E**	**14**	**1.6b**			
									¶604823471
ISC	**X**	**31 04 28 53.1–.91**	**43.29N–.03**	**74.45E–.02**	**8–6**		**75**	**0-3**	
KRNET	X	31 04 28 53.4–.10	43.29N	74.48E	16	2.4b			**¶601891385**
NNC	X	31 04 28 53.1–1.6	43.30N	74.45E	0	2.8b,2.2			
SOME	X	31 04 28 54.1	43.40N	74.43E	15	2.8b,2.2			
ISC	Event type se.								
NNC	Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=139.0.								
ISC	**XI**	**01 06 16 50.8–1.1**	**43.39N–.02**	**74.85E–.02**	**2–10**		**97**	**0-8**	
SOME	XI	01 06 16 50.1	43.40N	74.83E	5				**¶601901450**
KRNET	XI	01 06 16 50.8–.10	43.39N	74.84E	14	3.2b			
NNC	XI	01 06 16 50.9–.48	43.38N	74.87E	0	3.3b,2.9			
ISC	Event type se.								

NNC Event type se. Error ellipse: s-maj=3.0km s-min=1.5km az=160.0.
ISC XI 01 18 10 57.7–1.2 42.07N–.03 70.51E–.03 22–6 63 1-5
KRNET XI 01 18 10 57.2–.10 42.08N 70.58E 21 3.1b ¶601901472
SOME XI 01 18 10 57.1 42.05N 70.70E 10 3.1b
NNC XI 01 18 10 59.1–1.3 42.19N 70.67E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=29.0.
ISC XI 10 17 57 09.2–3.6 43.2N–.20 70.5E–.10 5–20 27 0-3
KRNET XI 10 17 57 10.3–.10 43.02N 70.37E 2.3b ¶601991665
NNC XI 10 17 57 11.3–.12 43.16N 70.49E 0 3.0b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=0.6km s-min=0.6km az=144.0.
ISC XI 13 12 06 05.2–2.6 42.91N–.07 70.2E–.10 7–11 30 0-3
NNC XI 13 12 06 01.6–.18 42.88N 69.92E 0 2.6b,1.8 ¶601991877
KRNET XI 13 12 06 02.1–.10 43.04N 70.16E 2.6b,1.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.5km s-min=0.8km az=136.0.
ISC XI 19 10 54 24.9–1.1 43.01N–.04 71.62E–.02 7–10 51 0-4
NNC XI 19 10 54 24.9–1.0 43.00N 71.58E 0 2.9b,2.3 ¶601992911
SOME XI 19 10 54 25.7 43.07N 71.57E 5 2.9b,2.3
KRNET XI 19 10 54 26.4–.10 42.87N 71.60E 10 2.8b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=4.4km az=22.0.
IDC XI 20 18 34 12.9–453 45.62N 65.39E 0
¶602389747
IDC Error ellipse: s-maj=199.5km s-min=129.7km az=157.0.
ISC XI 28 22 29 11.9–2.5 45.4N–.10 72.36E–.06 10 19 1-4
SOME XI 28 22 29 11.2 45.38N 72.30E 5 ¶602036399
NNC XI 28 22 29 13.8–5.3 45.20N 72.50E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.6km s-min=21.6km az=4.0.
ISC XI 30 23 02 30.7–1.2 43.59N–.03 73.86E–.02 1–10 88 1-3
NNC XI 30 23 02 30.0–2.2 43.60N 73.84E 0 2.2,2.1b ¶602042803
SOME XI 30 23 02 31.5 43.55N 73.83E 15 2.2,2.1b
KRNET XI 30 23 02 31.4–.10 43.57N 73.85E 19 2.6b,2.1b
KNET XI 30 23 02 33.0–.29 43.50N 73.92E 18–1 1.9L,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.7km s-min=8.1km az=4.0.
KNET Error ellipse: s-maj=2.6km s-min=1.5km az=11.0.
ISC XII 26 19 37 07.9–1.2 43.05N–.06 71.56E–.02 10–12 28 1-3
SOME XII 26 19 37 07.4 43.17N 71.57E 15 ¶602216694
KRNET XII 26 19 37 08.4–.10 42.90N 71.55E 18 2.7b
ISC Event type ke.

(714) Southeastern Uzbekistan.

ISC X 11 00 00 30.1–.97 39.46N–.08 67.20E–.06 10 27 2-86
ISCJB X 11 00 00 27.8–.72 39.52N–.07 67.14E–.05 10 3.8b ¶601846700
IDC X 11 00 00 27.4–1.8 39.11N 67.37E 0 3.7b,3.6
NNC X 11 00 00 30.4–2.4 39.41N 67.32E 0 3.9b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.9km az=172.6.
IDC Error ellipse: s-maj=23.0km s-min=18.1km az=51.0.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=15.8km az=9.0.
NNC XI 27 11 57 37.5–1.3 38.71N 66.32E 9–6 3.7b,3.3
¶602034560
NNC Event type se. Error ellipse: s-maj=11.6km s-min=7.8km az=120.0.

(715) Tajikistan.

ISC VII 02 00 03 37.5–2.0 39.0N–.10 72.20E–.06 33 25 1-5
SOME VII 02 00 03 32.7 39.48N 71.88E 0 ¶601275619
NNC VII 02 00 03 36.1–1.4 39.59N 71.95E 0 3.6b,3.4
ISCJB VII 02 00 03 38.5–1.2 39.08N–.08 72.09E–.07 33 3.6b,3.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VII 03 18 50 32.1–1.2 38.49N–.10 69.56E–.06 12 3.7b,2.5s 39 3-79
IDC VII 03 18 50 27.4–2.5 38.17N 69.80E 0 3.8b,3.8 ¶601352125
ISCJB VII 03 18 50 31.7–.84 38.60N–.07 69.43E–.05 12 3.7b,2.8s
NNC VII 03 18 50 36.9–1.7 38.84N 69.69E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=16.0km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=165.1.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=22.0.
NNC VII 07 18 46 17.6–2.6 37.82N 72.51E 0 3.5b,3.1
¶601453569
NNC Event type se. Error ellipse: s-maj=22.9km s-min=19.4km az=78.0.
NNC VII 11 09 18 12.4–5.5 38.00N 72.59E 242–60 3.5,2.2b
¶601467803
NNC Event type se. Error ellipse: s-maj=99.5km s-min=47.2km az=66.0.
ISC VII 12 15 22 11.4–1.5 39.59N–.05 69.79E–.04 2–10 3.8b 65 1-40
IDC VII 12 15 22 09.1–2.2 39.29N 69.87E 0 3.8b,3.6 ¶601271864
ISCJB VII 12 15 22 11.2–1.2 39.50N–.06 69.63E–.04 12–7 3.6b,3.6
SOME VII 12 15 22 11.8 39.58N 69.68E 0 3.6b,3.6
KRNET VII 12 15 22 14.2–.10 39.65N 69.87E 13 3.9b,3.6
NNC VII 12 15 22 16.4–2.4 39.69N 69.90E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=15.3km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.4km az=165.9.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=9.7km az=32.0.
NNC VII 15 23 41 20.4–6.5 38.51N 72.68E 0 3.8b,3.5
¶601404286
NNC Event type se. Error ellipse: s-maj=53.5km s-min=33.6km az=143.0.
NNC VII 18 11 03 07.6–2.3 37.80N 72.14E 209–21 3.5,2.4b
¶601497837
NNC Event type se. Error ellipse: s-maj=25.7km s-min=19.6km az=69.0.
ISC VII 21 07 02 56.7–3.0 38.0N–.20 72.3E–.10 200 18 2-14
NNC VII 21 07 02 57.2–4.2 37.99N 72.38E 210–34 3.7,2.5b ¶601517966
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.1km s-min=35.3km az=63.0.
ISC VII 21 18 51 11.8–.77 39.04N–.06 70.33E–.04 17 4.3b 113 1-43
IDC VII 21 18 51 05.3–2.0 38.53N 70.69E 0 4.0b,3.7 ¶601506029
KRNET VII 21 18 51 08.6–.10 39.06N 70.27E 3.4b,3.7
ISCJB VII 21 18 51 10.8–.39 39.11N–.04 70.16E–.03 17 4.1b,3.7
NNC VII 21 18 51 10.8–5.6 38.88N 70.66E 0 4.2b,3.8
NEIC VII 21 18 51 15.0–.67 39.13N 70.36E 44–8 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=14.0km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=151.2.
NNC Event type se. Error ellipse: s-maj=46.4km s-min=23.9km az=10.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=124.0.
ISC VII 22 12 37 14.6–1.3 40.18N–.04 71.88E–.03 13–12 39 1-5
SOME VII 22 12 37 15.1 40.18N 71.85E 0 ¶601518296
KRNET VII 22 12 37 15.5–.10 40.19N 71.89E 19 3.3b
NNC VII 22 12 37 16.6–2.2 40.16N 71.92E 8–17 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.6km s-min=6.2km az=34.0.
ISC VII 23 18 32 28.1–.40 39.32N–.04 68.18E–.04 10 4.1b,3.6s 126 2-90
IDC VII 23 18 32 25.9–.62 39.10N 68.25E 0 4.1,4.0 ¶601472666
ISCJB VII 23 18 32 26.0–.25 39.24N–.03 68.23E–.03 10 4.1b,3.5s
NNC VII 23 18 32 28.4–1.1 39.39N 68.04E 0 4.8b,4.5
BJI VII 23 18 32 28.4 39.65N 68.17E 12 4.9b,4.4b
MOS VII 23 18 32 29.0–1.4 39.39N 68.26E 23 4.4b,4.4b
NEIC VII 23 18 32 31.6–1.3 39.31N 68.28E 36–11 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=8.6km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=21.8.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=7.3km az=163.0.
MOS Error ellipse: s-maj=6.9km s-min=5.5km az=78.2.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.2km az=180.0.
KRNET VII 24 20 52 09.7–.10 39.30N 71.37E 14 2.6b
NNC VII 24 20 52 16.4–5.7 39.30N 71.66E 0 2.7b,2.4 ¶601521398

NNC Event type se. Error ellipse: s-maj=45.7km s-min=19.9km az=19.0.
ISC VII 27 07 54 25.3–2.1 39.47N–.08 71.02E–.05 1–13 38 1-5
KRNET VII 27 07 54 19.4–.10 39.06N 70.76E 3.6b ¶601476141
NNC VII 27 07 54 22.7–2.5 38.91N 70.94E 0 4.1b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=14.8km az=30.0.
ISC VII 28 00 38 04.4–1.1 38.53N–.08 72.00E–.06 10 3.6b 52 2-73
SOME VII 28 00 38 01.8 38.97N 71.53E 0 3.6b ¶601550965
NNC VII 28 00 38 04.4–4.2 38.49N 72.03E 0 4.0b,3.6
IDC VII 28 00 38 12.5–4.0 38.24N 73.28E 154–28 3.6,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.0km s-min=21.1km az=161.0.
IDC Error ellipse: s-maj=41.9km s-min=22.8km az=145.0.
ISC VII 28 11 42 32.1–2.1 40.96N–.06 69.32E–.10 2–13 32 1-5
KRNET VII 28 11 42 29.5–.10 40.98N 69.13E 3.0b ¶601550951
SOME VII 28 11 42 34.1 40.93N 69.75E 5 3.0b
NNC VII 28 11 42 35.3–2.2 40.82N 69.92E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=8.5km az=53.0.
ISC VII 29 20 55 48.3–.58 37.26N–.05 72.06E–.07 142 3.5b 75 3-80
ISCJB VII 29 20 55 47.5–.35 37.22N–.02 72.03E–.06 142 3.4b ¶601553193
IDC VII 29 20 55 50.1–4.3 37.40N 71.88E 137–33 3.9,3.5
NNC VII 29 20 55 52.8–2.7 37.67N 71.73E 170–25 4.5,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.1km az=171.1.
IDC Error ellipse: s-maj=34.6km s-min=16.3km az=179.0.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=15.4km az=18.0.
ISC VII 30 06 23 04.8–1.4 40.96N–.05 69.76E–.06 6–15 16 1-3
KRNET VII 30 06 23 05.4–.10 41.01N 69.77E 11 2.5b ¶601553730
ISC Event type ke.
ISC VIII 03 00 02 30.8–.42 37.56N–.04 72.19E–.04 174–4 4.1b 250 3-82
IDC VIII 03 00 02 25.3–3.8 37.09N 72.44E 149–25 4.2,3.9 ¶601513204
BJI VIII 03 00 02 28.8 37.58N 72.21E 170 4.6b,4.4b
ISCJB VIII 03 00 02 29.7–.26 37.55N–.02 72.31E–.03 178–3 4.2b,4.4b
NNC VIII 03 00 02 30.9–1.7 37.92N 71.46E 0 5.1b,4.7
MOS VIII 03 00 02 30.6–.89 37.65N 72.31E 183 4.3b,4.7
NEIC VIII 03 00 02 31.0–.52 37.61N 72.24E 171–6 4.3b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=14.5km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=173.5.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=9.1km az=157.0.
MOS Error ellipse: s-maj=8.0km s-min=4.6km az=102.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=139.0.
ISC VIII 07 23 28 42.2–1.3 38.7N–.10 72.98E–.07 103 3.7b 43 1-79
SOME VIII 07 23 28 39.3 38.67N 73.12E 0 3.7b ¶601534213
IDC VIII 07 23 28 39.6–5.3 38.42N 73.48E 97–40 3.7,3.5b
ISCJB VIII 07 23 28 40.9–.86 38.63N–.06 73.08E–.07 103 3.7b,3.5b
NNC VIII 07 23 28 42.7–1.4 38.70N 73.06E 117–9 3.6,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=37.6km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.9km az=143.9.
NNC Event type se. Error ellipse: s-maj=12.6km s-min=10.8km az=84.0.
ISC VIII 10 21 17 23.5–2.1 39.50N–.08 71.40E–.06 1–13 27 0-5
KRNET VIII 10 21 17 18.7–.10 39.11N 71.23E 21 3.0b ¶601615430
NNC VIII 10 21 17 18.6–2.6 38.92N 71.00E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=13.6km az=21.0.
ISC VIII 14 20 06 01.3–1.3 39.84N–.06 70.32E–.04 10 42 0-12
KRNET VIII 14 20 05 58.6–.10 39.70N 70.18E 9 2.8b ¶601628158
ISCJB VIII 14 20 06 00.7–1.0 39.68N–.05 70.22E–.05 10 2.8b
SOME VIII 14 20 06 01.9 39.93N 70.20E 0 2.8b
NNC VIII 14 20 06 01.6–2.2 39.85N 70.20E 2–12 3.2b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=28.5.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=8.4km az=44.0.
ISC VIII 18 06 31 01.7–1.6 40.98N–.05 69.59E–.07 10 32 1-6
SOME VIII 18 06 31 00.1 40.85N 69.73E 15 ¶601668044
NNC VIII 18 06 31 01.5–2.3 40.80N 69.79E 0 3.4b,3.0
ISCJB VIII 18 06 31 03.0–1.2 40.94N–.04 69.65E–.09 10 3.4b,3.0
KRNET VIII 18 06 31 03.6–.10 40.86N 69.68E 2.9b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=9.6km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.6km az=161.5.
ISC VIII 19 05 03 00.5–1.6 37.7N–.10 72.21E–.09 200 3.5b 32 3-80
IDC VIII 19 05 03 02.7–7.8 37.68N 72.33E 213–48 3.9,3.3 ¶601669900
NNC VIII 19 05 03 03.0–1.6 37.80N 72.11E 195–15 3.8,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=76.3km s-min=33.2km az=177.0.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=13.4km az=66.0.
ISC VIII 25 00 56 10.9–2.4 37.7N–.20 72.1E–.10 200 15 3-67
IDC VIII 25 00 56 05.5–5.5 37.35N 71.99E 175–45 3.7,3.2 ¶601695546
NNC VIII 25 00 56 12.0–1.4 37.78N 72.08E 185–17 3.4,2.3b
ISC Event type se.
IDC Error ellipse: s-maj=79.6km s-min=38.9km az=125.0.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=12.2km az=80.0.
ISC VIII 26 10 04 39.8–1.2 39.91N–.06 71.98E–.03 10 38 1-5
ISCJB VIII 26 10 04 40.3–.90 39.92N–.05 71.99E–.04 10 ¶601696911
KRNET VIII 26 10 04 40.0–.10 39.91N 71.97E 25 2.5b
SOME VIII 26 10 04 41.4 40.27N 72.07E 0 2.5b
NNC VIII 26 10 04 41.1–2.0 39.94N 72.09E 0 2.9b,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=174.1.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=6.3km az=26.0.
ISC VIII 26 18 13 34.3–1.6 40.63N–.06 71.07E–.06 7–18 18 1-3
KRNET VIII 26 18 13 34.1–.10 40.60N 71.13E 16 2.0b ¶601696900
NNC VIII 26 18 13 36.8–3.6 40.70N 71.26E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.5km s-min=12.3km az=52.0.
ISC VIII 30 13 50 04.3–.98 37.21N–.05 72.17E–.10 142 35 3-29
ISCJB VIII 30 13 50 04.2–.68 37.18N–.03 72.3E–.10 142 ¶601712306
NNC VIII 30 13 50 06.9–8.8 37.67N 71.65E 0 5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.4km az=177.9.
NNC Event type se. Error ellipse: s-maj=71.6km s-min=57.4km az=166.0.
ISC IX 02 18 14 05.4–2.9 38.7N–.20 69.70E–.10 13 17 3-13
NNC IX 02 18 14 05.9–3.1 38.77N 69.87E 0 4.2b,3.8 ¶601717901
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.0km s-min=18.2km az=7.0.
NNC IX 04 09 11 26.5–3.4 37.95N 72.08E 131–41 3.5,2.7b
¶601721757
NNC Event type se. Error ellipse: s-maj=29.7km s-min=26.4km az=76.0.
ISC IX 04 22 24 45.0–1.2 39.58N–.05 71.31E–.03 7–8 3.8b 96 0-83
IDC IX 04 22 24 42.9–1.3 39.52N 71.60E 0 3.8b,3.7 ¶601721778
KRNET IX 04 22 24 43.8–.10 39.59N 71.31E 24 3.7b,3.7
ISCJB IX 04 22 24 44.7–.74 39.63N–.04 71.36E–.03 18–7 3.8s,3.6b
NNC IX 04 22 24 47.0–1.9 39.78N 71.38E 0 4.2b,3.9
SOME IX 04 22 24 50.2 39.98N 71.58E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=12.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.0km az=176.4.
NNC Event type se. Error ellipse: s-maj=20.3km s-min=7.5km az=19.0.
NNC IX 07 19 33 06.5–3.1 38.06N 72.21E 133–42 3.8,2.8b
¶601735366
NNC Event type se. Error ellipse: s-maj=30.8km s-min=24.5km az=73.0.
ISC IX 08 15 35 11.9–.43 37.79N–.04 72.30E–.04 119 3.8b 104 2-84
ISCJB IX 08 15 35 11.0–.30 37.73N–.02 72.35E–.05 119 3.8b ¶601736151
MOS IX 08 15 35 13.6–.96 37.86N 72.39E 139 4.0b
NNC IX 08 15 35 14.4–1.9 37.97N 72.00E 120–29 4.2,3.5b
IDC IX 08 15 35 14.4–2.5 37.91N 72.48E 134–21 4.0,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=167.7.

MOS Error ellipse: s-maj=13.6km s-min=6.3km az=83.1.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=12.4km az=161.0.
IDC Error ellipse: s-maj=17.2km s-min=14.9km az=175.0.
ISC IX 08 20 35 44.1–.66 37.61N–.05 72.31E–.08 150 3.3b 49 3-82
ISCJB IX 08 20 35 44.9–.45 37.66N–.03 72.47E–.08 150 3.5b **¶601736156**
IDC IX 08 20 35 45.2–4.9 37.60N 72.31E 125–45 3.8,3.7
NNC IX 08 20 35 49.2–1.9 38.03N 72.03E 149–21 3.8,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.1km az=163.1.
IDC Error ellipse: s-maj=39.7km s-min=22.1km az=21.0.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=14.5km az=63.0.
ISC IX 08 23 02 18.4–1.1 37.59N–.08 72.1E–.10 200 23 3-16
ISCJB IX 08 23 02 19.0–.65 37.61N–.04 72.30E–.09 200 **¶601736160**
NNC IX 08 23 02 23.0–1.7 37.88N 72.11E 196–15 3.3,2.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.5km az=157.4.
NNC Event type se. Error ellipse: s-maj=18.5km s-min=14.2km az=67.0.
ISC IX 12 09 46 09.3–2.2 37.8N–.20 72.1E–.10 200 15 2-44
IDC IX 12 09 46 05.0–9.5 37.52N 72.03E 167–62 3.8,3.3 **¶601740128**
NNC IX 12 09 46 09.2–2.3 37.76N 71.99E 175–23 3.5,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=93.5km s-min=62.1km az=152.0.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=18.4km az=66.0.
ISC IX 18 11 37 11.7–.72 37.49N–.07 72.49E–.08 200 3.5b 35 3-82
ISCJB IX 18 11 37 10.7–.48 37.38N–.04 72.36E–.08 200 3.5b **¶601775949**
IDC IX 18 11 37 13.8–3.5 37.38N 72.53E 231–36 3.9,3.3
NNC IX 18 11 37 17.7–1.6 37.96N 72.55E 222–11 4.0,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=159.7.
IDC Error ellipse: s-maj=22.0km s-min=17.8km az=151.0.
NNC Event type se. Error ellipse: s-maj=15.8km s-min=13.4km az=59.0.
ISC IX 19 18 29 41.6–3.4 38.3N–.20 72.9E–.10 35 15 2-14
NNC IX 19 18 29 45.2–4.3 38.79N 72.60E 0 3.7b,3.3 **¶601779453**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.2km s-min=22.3km az=153.0.
ISC IX 22 12 54 01.4–2.1 39.19N–.10 70.89E–.06 6–11 44 1-14
NNC IX 22 12 53 58.0–2.1 38.82N 70.45E 0 4.2b,3.9 **¶601792367**
KRNET IX 22 12 54 00.5–.10 39.11N 70.89E 3.6b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=10.3km az=20.0.
ISC IX 23 20 38 59.9–1.2 40.86N–.03 71.39E–.03 9–10 59 1-12
NNC IX 23 20 38 58.1–2.3 40.78N 71.23E 0 3.9b,3.5 **¶601794142**
SOME IX 23 20 38 59.2 40.85N 71.47E 5 3.9b,3.5
KRNET IX 23 20 39 01.1–.10 40.82N 71.54E 23 3.1b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=10.7km az=56.0.
ISC IX 26 08 02 21.5–.74 38.08N–.05 69.36E–.06 12 33 4-64
ISCJB IX 26 08 02 19.8–.49 38.09N–.04 69.27E–.05 12 3.9b **¶601819442**
NNC IX 26 08 02 23.6–1.4 38.20N 69.47E 6–5 4.1b,3.7
IDC IX 26 08 02 24.9–7.0 37.84N 70.00E 75–64 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.3km az=173.4.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=7.5km az=4.0.
IDC Error ellipse: s-maj=57.1km s-min=35.3km az=158.0.
ISC IX 30 04 23 10.5–.84 39.29N–.06 71.79E–.04 10 3.6b 61 0-83
IDC IX 30 04 23 07.3–1.1 38.83N 71.94E 0 3.8,3.7 **¶601833062**
NNC IX 30 04 23 08.8–1.8 39.00N 71.88E 0 4.2b,3.9
KRNET IX 30 04 23 10.9–.10 39.35N 71.77E 3.8b,3.9
ISCJB IX 30 04 23 11.4–.75 39.30N–.05 71.69E–.04 10 3.5b,3.9
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC X 02 08 43 33.7–.49 37.58N–.04 72.28E–.06 176 4.2b 82 3-149
ISCJB X 02 08 43 33.4–.27 37.54N–.02 72.31E–.04 176 4.1b **¶601780647**
BJI X 02 08 43 34.7 37.60N 72.41E 187 4.7b,4.5b
NEIC X 02 08 43 35.4–.69 37.58N 72.36E 190–9 4.4b,4.5b
IDC X 02 08 43 38.5–3.3 37.42N 72.39E 246–36 4.1,3.4
NNC X 02 08 43 39.5–2.0 37.94N 72.23E 203–17 4.4,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=172.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.5km az=117.0.
IDC Error ellipse: s-maj=21.4km s-min=17.6km az=121.0.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=16.1km az=67.0.
ISC X 04 22 10 36.1–.34 37.26N–.04 72.04E–.04 100 4.2b 197 3-100
BJI X 04 22 10 30.5 37.08N 71.85E 65 4.7b,4.6b **¶601783199**
IDC X 04 22 10 32.5–3.0 37.05N 71.93E 73–27 4.1,3.9
ISCJB X 04 22 10 34.6–.17 37.24N–.02 72.02E–.03 100 4.1b,3.9
MOS X 04 22 10 35.1–1.1 37.26N 72.06E 105 4.2b,3.9
NEIC X 04 22 10 35.7–.55 37.28N 72.01E 92–6 4.4b,3.9
NNC X 04 22 10 38.2–3.4 37.76N 71.86E 0 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=10.3km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=22.6.
MOS Error ellipse: s-maj=6.9km s-min=4.6km az=84.6.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=5.2km az=134.0.
NNC Event type se. Error ellipse: s-maj=28.4km s-min=24.7km az=156.0.
ISC X 05 15 29 14.5–2.1 39.4N–.10 70.71E–.07 10 48 1-13
KRNET X 05 15 29 04.5–.10 39.12N 70.11E 3.3b **¶601838727**
NNC X 05 15 29 06.7–1.6 38.84N 70.63E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=22.0.
ISC X 09 14 53 38.6–1.1 40.20N–.03 71.41E–.03 7–14 31 0-4
KRNET X 09 14 53 38.0–.10 40.17N 71.43E 11 2.2b **¶601842387**
SOME X 09 14 53 39.7 40.18N 71.37E 10 2.2b
NNC X 09 14 53 44.1–3.8 40.34N 71.64E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.8km s-min=15.0km az=48.0.
ISC X 11 04 52 21.6–2.3 37.7N–.20 72.3E–.10 200 22 5-40
NNC X 11 04 52 20.0–3.7 37.85N 72.05E 0 4.3b,3.9 **¶601846705**
IDC X 11 04 52 28.4–18 38.24N 72.23E 239–97 3.8,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.1km s-min=24.7km az=156.0.
IDC Error ellipse: s-maj=200.9km s-min=49.7km az=179.0.
ISC X 16 00 57 10.2–2.1 39.2N–.10 71.76E–.05 10 42 0-5
KRNET X 16 00 57 10.3–.10 39.17N 71.86E 11 3.2b **¶601859192**
NNC X 16 00 57 11.6–1.6 39.02N 72.01E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=6.8km az=2.0.
ISC X 18 08 12 07.4–1.1 40.07N–.05 70.94E–.05 10 32 0-5
KRNET X 18 08 12 05.0–.10 40.02N 70.73E 2.2b **¶601866951**
ISCJB X 18 08 12 07.5–.84 40.05N–.06 70.98E–.05 10 2.2b
SOME X 18 08 12 09.9 40.17N 71.18E 10 2.2b
NNC X 18 08 12 11.0–2.3 40.24N 71.31E 0 2.8b,2.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=168.6.
NNC Event type se. Error ellipse: s-maj=22.7km s-min=9.4km az=41.0.
NNC X 22 23 13 51.5–4.5 38.99N 69.74E 0 3.5b,3.1
¶601870215
NNC Event type se. Error ellipse: s-maj=31.9km s-min=26.0km az=18.0.
ISC X 24 11 49 12.2–1.6 40.4N–.10 71.4E–.10 10–19 13 1-3
SOME X 24 11 49 07.4 40.80N 70.15E 10 **¶601876321**
KRNET X 24 11 49 14.5–.10 40.50N 71.09E 2.8b
ISC Event type ke.
ISC X 25 10 05 01.6–2.2 40.90N–.06 69.6E–.10 10 22 1-5
NNC X 25 10 05 01.4–3.8 40.91N 69.76E 0 3.4b,3.0 **¶601880194**
KRNET X 25 10 05 04.6–.10 40.84N 69.76E 2.7b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.7km s-min=18.4km az=43.0.
NNC X 27 19 26 04.5–3.6 38.21N 72.07E 0 4.2b,3.8
¶601883259
NNC Event type se. Error ellipse: s-maj=27.3km s-min=21.1km az=164.0.

ISC X 28 03 09 52.3–1.7 37.3N–.10 72.2E–.10 200 32 3-67
IDC X 28 03 09 48.7–5.0 36.91N 72.53E 197–37 4.1,3.5 **¶601883581**
ISCJB X 28 03 09 52.3–.42 37.41N–.03 72.12E–.08 200 3.6b,3.5
NNC X 28 03 09 56.6–1.3 37.71N 71.99E 200–12 4.3,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=65.4km s-min=21.4km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.4km az=10.1.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=64.0.
ISC X 28 20 51 47.6–1.9 39.4N–.10 71.70E–.05 10 35 0-13
KRNET X 28 20 51 43.6–.10 39.24N 71.66E 3.0b **¶601883605**
NNC X 28 20 51 49.0–2.5 39.12N 71.57E 121–68 3.2,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.0km s-min=12.3km az=9.0.
ISC X 29 17 20 51.7–1.2 40.01N–.04 71.41E–.03 31–9 3.6b 82 0-86
IDC X 29 17 20 46.2–1.1 40.06N 71.51E 0 3.5b,3.5 **¶601884063**
KRNET X 29 17 20 49.6–.10 40.17N 71.59E 12 3.5b,3.5
ISCJB X 29 17 20 51.0–1.2 40.09N–.03 71.56E–.04 15–9 3.5b,3.5s
SOME X 29 17 20 52.5 40.33N 71.60E 5 3.5b,3.5s
NNC X 29 17 20 54.5–2.0 40.39N 71.61E 7–7 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=15.3km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.0km az=173.6.
NNC Event type se. Error ellipse: s-maj=15.8km s-min=6.8km az=2.0.
NNC X 30 12 33 03.1–4.9 37.66N 72.03E 0 3.9b,3.4
¶601890493
NNC Event type se. Error ellipse: s-maj=38.1km s-min=32.6km az=166.0.
ISC XI 01 10 58 36.0–3.3 40.7N–.20 69.8E–.10 10 10 2-5
SOME XI 01 10 58 37.6 40.77N 69.65E 0 **¶601901462**
NNC XI 01 10 58 39.9–5.7 40.78N 69.53E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.9km s-min=24.1km az=27.0.
ISC XI 01 11 07 28.7–1.4 40.99N–.07 69.28E–.08 21–6 24 1-12
KRNET XI 01 11 07 27.4–.10 41.05N 69.55E 2.8b **¶601901463**
SOME XI 01 11 07 28.3 40.97N 69.53E 10 2.8b
NNC XI 01 11 07 30.1–3.2 40.95N 69.59E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.5km s-min=13.9km az=26.0.
ISC XI 02 16 34 14.5–2.7 39.4N–.10 71.27E–.06 33 19 0-5
KRNET XI 02 16 34 09.4–.10 39.04N 71.06E 2.9b **¶601903349**
NNC XI 02 16 34 13.2–2.5 39.06N 70.87E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=15.4km az=169.0.
NNC XI 07 08 21 32.7–4.6 38.06N 72.02E 0 3.7b,3.3
¶601991507
NNC Event type se. Error ellipse: s-maj=57.6km s-min=34.8km az=108.0.
NNC XI 08 19 18 17.5–4.3 38.72N 69.63E 0 3.5b,3.2
¶601991571
NNC Event type se. Error ellipse: s-maj=33.2km s-min=29.4km az=36.0.
ISC XI 10 02 46 40.4–.87 40.76N–.03 71.31E–.03 10 60 1-6
KRNET XI 10 02 46 39.0–.10 40.78N 71.31E 14 2.9b **¶601991634**
NNC XI 10 02 46 39.8–1.7 40.79N 71.30E 1–9 3.2b,2.8
SOME XI 10 02 46 40.4 40.78N 71.35E 10 3.2b,2.8
ISCJB XI 10 02 46 41.1–.51 40.68N–.03 71.34E–.04 10 3.2b,2.8
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
NNC XI 12 14 30 54.7–1.9 37.64N 72.74E 0 3.8b,3.4
¶601991786
NNC Event type se. Error ellipse: s-maj=15.3km s-min=13.8km az=111.0.
ISC XI 13 02 42 10.0–2.6 39.3N–.10 70.87E–.08 10 29 1-5
KRNET XI 13 02 42 06.0–.10 39.12N 70.78E 3.2b **¶601991833**
NNC XI 13 02 42 08.1–1.5 39.05N 70.51E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=10.6km az=13.0.
ISC XI 13 04 02 24.8–1.1 40.55N–.03 70.38E–.05 10 38 1-6
SOME XI 13 04 02 22.6 40.50N 70.25E 0 **¶601991838**
KRNET XI 13 04 02 23.3–.10 40.48N 70.26E 10 3.2b
NNC XI 13 04 02 23.9–2.7 40.27N 70.27E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=11.2km az=41.0.
NNC XI 14 19 06 52.8–4.3 38.29N 72.01E 0 3.5b,3.1
¶601991983
NNC Event type se. Error ellipse: s-maj=34.5km s-min=25.4km az=160.0.
ISC XI 21 07 27 28.0–2.3 39.4N–.10 71.43E–.05 10 34 0-5
KRNET XI 21 07 27 23.7–.10 39.18N 71.36E 10 3.2b **¶601993382**
NNC XI 21 07 27 28.4–4.5 39.18N 71.39E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=22.2km az=9.0.
ISC XI 21 11 28 00.4–1.9 40.57N–.08 70.29E–.09 10 13 2-4
ISCJB XI 21 11 28 01.2–1.5 40.60N–.08 70.4E–.10 10 **¶601993449**
SOME XI 21 11 28 03.9 40.72N 70.40E 20
KRNET XI 21 11 28 13.1–.10 40.21N 71.34E 3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=8.8km az=136.5.
ISC XI 22 21 43 52.2–1.4 39.82N–.04 70.10E–.03 2–8 4.0b 131 1-97
SOME XI 22 21 43 51.8 39.93N 70.13E 0 4.0b **¶601993808**
IDC XI 22 21 43 51.5–.74 39.75N 70.26E 0 4.0,3.8
ISCJB XI 22 21 43 52.5–.86 39.70N–.03 70.13E–.03 15–5 3.9b,3.4s
KRNET XI 22 21 43 52.9–.10 39.89N 70.23E 10 4.0b,3.4s
NNC XI 22 21 43 54.0–.78 39.96N 69.97E 0 4.2b,3.9
NEIC XI 22 21 43 56.7–.50 39.89N 70.26E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=9.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=156.5.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=6.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.4km az=159.0.
ISC XI 23 21 34 19.9–3.0 39.4N–.20 71.10E–.08 1–16 12 1-4
KRNET XI 23 21 34 17.3–.10 39.22N 71.13E 2.9b **¶602005562**
NNC XI 23 21 34 27.8–10 39.64N 71.25E 0 2.3b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=103.8km s-min=41.9km az=18.0.
ISC XI 28 20 35 08.6–.56 37.68N–.04 72.10E–.07 113 3.8b 58 3-82
ISCJB XI 28 20 35 06.8–.41 37.53N–.03 72.10E–.06 113 3.6b **¶602083150**
IDC XI 28 20 35 07.1–3.2 37.41N 72.17E 110–25 3.9,3.6
NNC XI 28 20 35 12.2–2.5 38.17N 71.75E 0 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=159.8.
IDC Error ellipse: s-maj=27.2km s-min=17.8km az=171.0.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=13.3km az=168.0.
ISC XI 29 17 36 25.7–2.2 40.14N–.06 70.46E–.09 5–12 22 0-4
KRNET XI 29 17 36 24.2–.10 40.15N 70.37E 2.5b **¶602037307**
NNC XI 29 17 36 25.8–3.1 39.99N 70.22E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=11.9km az=45.0.
ISC XII 04 16 38 42.1–1.4 37.45N–.10 72.2E–.10 200 37 3-40
BJI XII 04 16 38 40.3 37.14N 72.27E 204 4.2b **¶601996043**
ISCJB XII 04 16 38 41.8–.83 37.48N–.05 72.2E–.10 200 4.2b
NEIC XII 04 16 38 42.4–.58 37.44N 72.20E 205–12 4.2b
NNC XII 04 16 38 45.2–5.6 37.68N 71.78E 171–64 3.9,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=173.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.0km az=110.0.
NNC Event type se. Error ellipse: s-maj=52.6km s-min=44.7km az=62.0.
ISC XII 04 18 44 30.6–.77 37.87N–.07 72.25E–.06 119 3.5b 38 2-80
IDC XII 04 18 44 27.9–4.4 37.60N 72.32E 87–27 3.7,3.4 **¶602051473**
ISCJB XII 04 18 44 29.1–.46 37.75N–.04 72.36E–.07 119 3.6b,3.4
NNC XII 04 18 44 35.8–2.1 38.31N 72.32E 144–20 3.3,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=58.9km s-min=21.2km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.3km az=157.4.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=16.9km az=72.0.

NNC XII 08 14 36 16.8–1.3 37.82N 72.07E 176–17 3.6,2.5b ¶602055837
NNC Event type se. Error ellipse: s-maj=19.1km s-min=11.6km az=82.0.
ISC XII 08 15 04 00.5–1.1 37.28N–.08 72.1E–.10 150 28 3-17 ¶602055838
ISCJB XII 08 15 04 00.5–.85 37.19N–.05 72.0E–.10 150
NNC XII 08 15 04 08.6–2.2 37.82N 72.06E 181–22 3.8,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=160.2.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=20.1km az=116.0.
ISC XII 09 11 45 22.2–4.5 37.6N–.20 72.1E–.10 100 19 3-6 ¶602056542
NNC XII 09 11 45 23.2–8.4 37.79N 71.60E 115–148 3.7,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=69.9km s-min=64.4km az=85.0.
ISC XII 10 02 29 04.5–2.9 38.5N–.20 69.99E–.09 23 21 3-13 ¶602056881
NNC XII 10 02 29 06.4–7.6 38.73N 70.30E 0 4.2b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.3km s-min=37.1km az=21.0.
ISC XII 11 08 25 10.4–1.1 39.51N–.05 72.00E–.03 5–7 4.0b 109 0-85 ¶602056193
KRNET XII 11 08 25 08.9–.10 39.43N 72.01E 5 3.9b
IDC XII 11 08 25 08.8–.98 39.41N 71.96E 0 4.0,3.9b
ISCJB XII 11 08 25 10.2–.68 39.42N–.03 71.99E–.03 15–4 4.0b,3.6s
NNC XII 11 08 25 11.2–1.6 39.51N 72.14E 0 4.1b,3.8
NEIC XII 11 08 25 16.3–.72 39.51N 71.84E 53–7 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=15.3km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=161.1.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=5.7km az=3.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.9km az=171.0.
ISC XII 11 12 27 28.7–1.3 40.23N–.03 70.78E–.05 2–16 25 0-5 ¶602058060
SOME XII 11 12 27 25.7 40.08N 70.52E 10
KRNET XII 11 12 27 28.2–.10 40.20N 70.71E 2.2b
NNC XII 11 12 27 31.6–4.5 40.02N 70.74E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.9km s-min=13.7km az=43.0.
ISC XII 12 00 46 49.2–1.6 39.32N–.06 71.94E–.03 1–9 3.8b 91 0-85 ¶602036417
SOME XII 12 00 46 47.3 39.47N 72.15E 5 3.8b
ISCJB XII 12 00 46 49.5–.81 39.34N–.04 71.98E–.04 11–4 3.6b
IDC XII 12 00 46 49.2–.80 39.37N 72.13E 0 3.9,3.8
KRNET XII 12 00 46 49.9–.10 39.44N 71.95E 7 4.0b,3.8
NNC XII 12 00 46 51.1–5.7 39.64N 72.11E 0 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=159.9.
IDC Error ellipse: s-maj=14.3km s-min=11.1km az=140.0.
NNC Event type se. Error ellipse: s-maj=44.5km s-min=21.2km az=22.0.
ISC XII 15 21 36 37.0–1.4 39.33N–.05 71.99E–.03 5–8 3.7b 88 0-85 ¶602043771
ISCJB XII 15 21 36 36.3–.73 39.25N–.02 71.98E–.04 11–5 3.5b
KRNET XII 15 21 36 36.0–.10 39.29N 72.00E 20 3.8b
IDC XII 15 21 36 37.0–.95 39.37N 72.06E 0 3.8,3.6
NNC XII 15 21 36 41.5–1.6 39.54N 72.21E 0 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=161.8.
IDC Error ellipse: s-maj=17.6km s-min=13.3km az=135.0.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=4.0km az=7.0.
ISC XII 17 16 38 58.3–2.0 39.4N–.10 71.96E–.04 1–12 29 0-4 ¶602065089
KRNET XII 17 16 38 58.0–.10 39.35N 71.93E 3.3b
NNC XII 17 16 39 02.3–3.3 39.41N 72.16E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.3km s-min=12.2km az=174.0.
ISC XII 20 01 37 14.1–1.5 40.89N–.03 71.57E–.04 13–18 20 1-2 ¶602083524
KRNET XII 20 01 37 14.1–.10 40.88N 71.54E 17 2.0b
ISC Event type ke.
ISC XII 20 02 57 10.7–2.2 39.4N–.10 71.69E–.05 7–8 24 0-5 ¶602083527
KRNET XII 20 02 57 04.9–.10 39.14N 71.64E 9 2.9b
NNC XII 20 02 57 08.7–7.0 39.16N 71.56E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=70.5km s-min=27.7km az=0.0.
ISC XII 29 14 23 18.7–2.4 40.72N–.08 69.5E–.10 10 20 1-5 ¶602312605
SOME XII 29 14 23 21.8 40.82N 69.63E 15
NNC XII 29 14 23 27.7–2.1 41.13N 69.89E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=8.3km az=58.0.

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ISC VII 02 00 16 33.4–1.2 39.33N–.06 72.00E–.03 10 61 0-5 ¶601275620
KRNET VII 02 00 16 30.0–.10 39.19N 71.98E 16 3.4b
SOME VII 02 00 16 29.8 39.45N 71.82E 5 3.4b
NNC VII 02 00 16 33.2–4.5 39.10N 72.29E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.9km s-min=17.7km az=173.0.
ISC VII 02 10 09 50.4–1.4 41.30N–.03 71.04E–.04 1–13 23 1-2 ¶601275631
SOME VII 02 10 09 48.7 41.20N 71.02E 0
KRNET VII 02 10 09 50.1–.10 41.39N 71.02E 16 2.2b
NNC VII 02 10 09 50.5–1.5 41.25N 70.99E 0 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=8.0km az=50.0.
ISC VII 03 13 36 15.9–1.1 41.09N–.04 72.34E–.03 17–10 32 1-3 ¶601352123
KRNET VII 03 13 36 15.9–.10 41.09N 72.34E 14 2.6b
NNC VII 03 13 36 17.4–3.5 41.11N 72.34E 0 2.9b,2.7
SOME VII 03 13 36 20.1 41.15N 72.28E 25 2.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.1km s-min=22.5km az=93.0.
ISC VII 04 20 57 56.0–.83 42.77N–.02 74.40E–.02 17–6 74 0-3 ¶602582662
KRNET VII 04 20 57 56.0–.10 42.78N 74.41E 20 2.6b
KNET VII 04 20 57 55.2–.22 42.79N 74.43E 22–4 1.6L
ISCJB VII 04 20 57 56.3–.41 42.76N–.02 74.40E–.02 7–3 1.6L
SOME VII 04 20 57 56.0 42.80N 74.40E 10 1.6L
ISC Event type ke.
KNET Error ellipse: s-maj=1.3km s-min=1.1km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=160.9.
ISC VII 05 03 18 33.0–.71 39.30N–.05 72.01E–.03 10 3.7b 65 0-85 ¶601242109
NNC VII 05 03 18 30.1–5.5 38.79N 71.05E 0 4.6b,4.4
IDC VII 05 03 18 31.2–.87 38.97N 71.71E 0 3.9,3.8
KRNET VII 05 03 18 32.0–.10 39.13N 71.70E 10 4.3b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=48.1km s-min=29.2km az=168.0.
IDC Error ellipse: s-maj=16.0km s-min=11.3km az=141.0.
ISC VII 08 03 04 24.7–.96 41.26N–.04 70.98E–.04 10 37 1-4 ¶601456866
KRNET VII 08 03 04 24.4–.10 41.27N 71.04E 14 2.5b
ISCJB VII 08 03 04 25.7–.54 41.28N–.03 70.97E–.04 10 2.5b
SOME VII 08 03 04 25.1 41.25N 70.95E 15 2.5b
NNC VII 08 03 04 26.0–1.7 41.27N 71.05E 0 2.9b,2.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.1km az=14.8.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=10.4km az=53.0.
ISC VII 12 11 07 58.4–1.3 41.28N–.03 71.14E–.05 6–13 23 1-3 ¶601472328
SOME VII 12 11 07 55.7 41.08N 71.13E 5
KRNET VII 12 11 07 58.1–.10 41.33N 71.12E 0 2.5b
NNC VII 12 11 07 59.1–5.1 41.25N 70.93E 0 3.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.0km s-min=22.8km az=51.0.
ISC VII 13 17 44 30.4–.98 41.38N–.02 73.02E–.02 3–9 89 0-6 ¶601276193
KRNET VII 13 17 44 30.6–.10 41.36N 73.01E 17 3.4b
SOME VII 13 17 44 31.0 41.42N 72.95E 0 3.4b
NNC VII 13 17 44 32.0–.46 41.40N 72.99E 0 3.6b,3.4
KNET VII 13 17 44 32.9–.95 41.46N 73.16E 0 2.7L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=2.7km az=76.0.
KNET Error ellipse: s-maj=8.9km s-min=4.5km az=84.0.
ISC VII 16 13 07 06.3–1.1 42.43N–.03 72.17E–.02 4–10 44 0-4 ¶601485259
ISCJB VII 16 13 07 06.6–.70 42.44N–.03 72.21E–.03 2–5
KRNET VII 16 13 07 06.8–.10 42.45N 72.22E 20 2.6b
NNC VII 16 13 07 06.2–1.1 42.44N 72.15E 0 2.4,2.3b
SOME VII 16 13 07 07.1 42.48N 72.18E 10 2.4,2.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=174.6.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=3.6km az=3.0.
ISC VII 22 18 12 44.4–1.2 41.93N–.04 72.12E–.04 24–11 23 0-3 ¶601518302
KRNET VII 22 18 12 45.1–.10 41.95N 72.24E 6 2.4b
NNC VII 22 18 12 45.7–1.8 42.03N 72.08E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=5.6km az=161.0.
ISC VII 25 08 14 53.8–1.9 41.24N–.05 71.16E–.05 5–14 24 1-3 ¶601531688
SOME VII 25 08 14 50.2 41.03N 71.07E 5
KRNET VII 25 08 14 54.8–.10 41.20N 71.37E 8 2.3b
NNC VII 25 08 14 55.7–9.7 41.39N 70.90E 0 2.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=87.9km s-min=43.1km az=11.0.
ISC VII 25 13 03 44.4–1.3 41.29N–.04 72.43E–.03 5–11 35 0-3 ¶601531700
KRNET VII 25 13 03 44.1–.10 41.26N 72.36E 18 2.7b
SOME VII 25 13 03 45.0 41.32N 72.43E 5 2.7b
NNC VII 25 13 03 45.1–2.7 41.31N 72.56E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.4km s-min=17.2km az=73.0.
ISC VII 25 18 09 58.4–.90 39.58N–.04 72.00E–.03 16–6 3.6b 129 0-85 ¶601531707
IDC VII 25 18 09 56.0–.92 39.67N 72.09E 0 3.7,3.7b
KRNET VII 25 18 09 56.7–.10 39.74N 72.05E 4 4.1b,3.7b
SOME VII 25 18 09 58.9 39.82N 72.07E 0 2.5s,3.7b
NNC VII 25 18 09 58.3–1.5 39.74N 72.15E 0 4.4b,4.2
MOS VII 25 18 10 00.2–2.3 39.85N 72.23E 16 4.2b,4.2
BJI VII 25 18 10 06.5 40.05N 72.81E 7 4.2b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=11.0km az=143.0.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=3.8km az=15.0.
MOS Error ellipse: s-maj=10.4km s-min=6.6km az=80.4.
ISC VII 26 09 37 40.7–1.3 41.27N–.03 71.02E–.03 2–12 27 1-3 ¶601532879
SOME VII 26 09 37 39.2 41.20N 70.98E 0
NNC VII 26 09 37 40.0–1.3 41.14N 71.00E 0 2.9b,2.5
KRNET VII 26 09 37 41.1–.10 41.31N 71.07E 10 2.3b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.2km s-min=6.3km az=50.0.
ISC VII 27 14 18 40.9–1.1 40.85N–.02 73.31E–.02 3–11 74 1-5 ¶601534007
SOME VII 27 14 18 41.1 40.83N 73.27E 0
KRNET VII 27 14 18 41.5–.10 40.83N 73.25E 15 2.9b
NNC VII 27 14 18 41.9–.57 40.81N 73.28E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=3.1km az=79.0.
ISC VII 28 02 36 42.8–.86 42.23N–.02 74.41E–.02 9–6 105 0-4 ¶601550962
KRNET VII 28 02 36 42.7–.10 42.23N 74.42E 17 3.0b
SOME VII 28 02 36 42.3 42.20N 74.42E 10 3.0b
NNC VII 28 02 36 43.7–.74 42.34N 74.45E 13–6 3.1b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=3.6km az=161.0.
ISC VII 28 15 10 20.0–1.1 41.43N–.03 73.26E–.04 7–12 16 0-3 ¶601550948
KRNET VII 28 15 10 19.7–.10 41.41N 73.26E 11 2.0b
NNC VII 28 15 10 21.1–.52 41.44N 73.23E 9–7 2.7b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=1.4km az=63.0.
ISC VIII 02 08 37 38.4–1.5 41.31N–.04 71.09E–.04 0–14 23 1-3 ¶601563877
NNC VIII 02 08 37 37.4–1.2 41.22N 71.00E 0 2.8b,2.4
SOME VIII 02 08 37 37.8 41.32N 71.17E 0 2.8b,2.4
KRNET VIII 02 08 37 38.3–.10 41.39N 70.92E 14 2.2b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=6.3km az=62.0.
ISC VIII 02 18 12 41.6–1.3 42.75N–.06 71.76E–.04 6–14 19 1-3 ¶601563899
KRNET VIII 02 18 12 41.6–.10 42.72N 71.78E 12 2.5b
NNC VIII 02 18 12 41.2–.84 42.80N 71.77E 0 2.8b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.6km s-min=4.7km az=21.0.
ISC VIII 07 02 10 04.2–1.1 41.27N–.02 72.63E–.02 8–11 79 0-5 ¶601529209
SOME VIII 07 02 10 05.8 41.25N 72.60E 10
KRNET VIII 07 02 10 06.0–.10 41.25N 72.60E 19 3.4b
NNC VIII 07 02 10 06.1–1.2 41.24N 72.60E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.8km s-min=6.2km az=73.0.
ISC VIII 07 08 07 36.9–1.6 41.32N–.04 71.13E–.04 5–13 22 1-2 ¶601589326
SOME VIII 07 08 07 35.3 41.22N 71.10E 0
KRNET VIII 07 08 07 36.7–.10 41.33N 71.18E 8 2.2b
NNC VIII 07 08 07 38.5–2.0 41.29N 71.04E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=9.8km az=61.0.
ISC VIII 07 22 53 53.3–1.2 40.80N–.02 73.19E–.03 11–10 91 0-5 ¶601589356
NNC VIII 07 22 53 52.9–.49 40.88N 73.30E 0 3.6b,3.2
SOME VIII 07 22 53 53.8 40.93N 73.38E 10 3.6b,3.2
KRNET VIII 07 22 53 53.4–.10 40.88N 73.32E 22 3.1b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.0km s-min=2.6km az=84.0.
ISC VIII 14 09 54 18.8–1.3 41.29N–.03 71.25E–.04 9–12 36 1-4 ¶601628140
KRNET VIII 14 09 54 18.3–.10 41.28N 70.99E 17 2.3b
SOME VIII 14 09 54 19.3 41.25N 71.05E 5 2.3b
NNC VIII 14 09 54 20.3–4.0 41.36N 71.49E 0 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.4km s-min=13.6km az=10.0.
ISC VIII 16 10 41 52.8–.94 42.37N–.03 74.25E–.02 11–8 74 0-3 ¶601645462
KRNET VIII 16 10 41 52.7–.10 42.38N 74.26E 17 2.5b
SOME VIII 16 10 41 53.1 42.38N 74.27E 10 2.5b
NNC VIII 16 10 41 53.0–1.2 42.43N 74.21E 0 2.4b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=5.7km az=152.0.
ISC VIII 18 12 16 32.0–1.6 41.31N–.04 71.12E–.06 7–14 18 1-3 ¶601668065
KRNET VIII 18 12 16 32.0–.10 41.35N 71.04E 11 2.5b
NNC VIII 18 12 16 32.1–2.0 41.26N 71.08E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=10.2km az=59.0.
ISC VIII 23 02 30 21.9–1.4 40.61N–.05 72.43E–.05 4–12 23 1-3 ¶601676479
SOME VIII 23 02 30 21.2 40.63N 72.47E 10
KRNET VIII 23 02 30 23.3–.10 40.64N 72.54E 23 2.2b
NNC VIII 23 02 30 23.5–5.3 40.71N 72.17E 0–51 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.2km s-min=28.9km az=30.0.
ISC VIII 23 13 52 12.1–1.7 41.28N–.04 71.18E–.05 3–14 23 1-4 ¶601676512
SOME VIII 23 13 52 08.7 41.10N 71.27E 0
KRNET VIII 23 13 52 12.0–.10 41.30N 71.13E 2 2.7b
NNC VIII 23 13 52 13.3–2.2 41.27N 71.24E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=12.7km az=40.0.
ISC VIII 24 04 33 11.3–1.2 40.95N–.03 73.54E–.02 1–11 87 1-5 ¶601687100
SOME VIII 24 04 33 14.7 40.98N 73.53E 10
KRNET VIII 24 04 33 14.6–.10 41.01N 73.50E 24 3.0b
NNC VIII 24 04 33 14.2–.35 40.98N 73.46E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=2.0km az=88.0.
ISC VIII 25 13 11 58.8–1.5 41.27N–.04 71.00E–.05 1–12 22 1-3 ¶601695572
SOME VIII 25 13 11 59.0 41.25N 71.05E 5
KRNET VIII 25 13 11 59.6–.10 41.24N 71.08E 14 2.1b
NNC VIII 25 13 11 59.6–3.0 41.23N 71.04E 0 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=13.2km az=45.0.
ISC VIII 27 00 24 59.9–1.2 41.35N–.03 75.49E–.02 9–9 110 1-69 ¶601626735
SOME VIII 27 00 24 59.3 41.27N 75.58E 10 3.1s
KRNET VIII 27 00 24 59.0–.10 41.32N 75.55E 17 4.0b
KNET VIII 27 00 24 59.9–.51 41.38N 75.56E 12–2 3.5L
IDC VIII 27 00 24 59.2–1.6 41.11N 74.70E 0 3.7b,3.6

NNC VIII 27 00 25 01.8–1.4 41.35N 75.51E 0 4.4b,4.1
ISC Event type se.
KNET Error ellipse: s-maj=2.9km s-min=2.4km az=176.0.
IDC Error ellipse: s-maj=22.1km s-min=17.0km az=105.0.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=7.9km az=145.0.
ISC VIII 27 06 37 54.2–1.3 41.28N–.03 71.91E–.04 9–11 21 1-3
KRNET VIII 27 06 37 52.9–.10 41.23N 71.89E 11 2.2b **¶601697096**
NNC VIII 27 06 37 58.2–2.6 41.39N 72.09E 14–21 3.0b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=8.2km az=75.0.
ISC VIII 27 12 24 28.8–1.2 41.24N–.03 70.95E–.06 15–11 19 1-3
NNC VIII 27 12 24 26.1–2.0 41.10N 71.05E 0 2.8b,2.4 **¶601697074**
KRNET VIII 27 12 24 28.5–.10 41.35N 70.70E 35 2.3b,2.4
ISCJB VIII 27 12 24 30.7–1.6 41.31N–.05 70.83E–.09 30–13 2.3b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VIII 30 02 09 41.5–1.2 41.48N–.03 72.40E–.02 3–11 44 0-4
KRNET VIII 30 02 09 40.9–.10 41.45N 72.43E 19 2.4b **¶601712282**
NNC VIII 30 02 09 41.9–1.3 41.51N 72.36E 0 2.9b
SOME VIII 30 02 09 43.7 41.43N 72.47E 20 2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=7.5km az=73.0.
ISC VIII 30 13 03 54.9–1.4 41.36N–.03 71.02E–.03 3–12 27 1-4
SOME VIII 30 13 03 55.0 41.23N 71.02E 15 **¶601712302**
KRNET VIII 30 13 03 55.5–.10 41.38N 71.02E 18 2.2b
NNC VIII 30 13 03 56.5–3.2 41.32N 71.06E 0 2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.3km s-min=15.4km az=57.0.
ISC VIII 31 10 20 20.6–1.1 41.57N–.03 72.51E–.03 7–12 33 0-3
SOME VIII 31 10 20 19.9 41.50N 72.52E 0 **¶601713915**
KRNET VIII 31 10 20 20.6–.10 41.59N 72.53E 9 2.2b
NNC VIII 31 10 20 21.6–1.8 41.60N 72.50E 0 2.7b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=9.6km az=73.0.
KRNET IX 02 18 39 28.0–.10 42.05N 73.70E 1.6b
¶604823295
ISC IX 05 19 25 20.1–.99 42.68N–.04 71.17E–.03 12–7 52 0-4
KRNET IX 05 19 25 20.6–.10 42.66N 71.13E 17 2.6b **¶601724858**
NNC IX 05 19 25 20.4–.53 42.76N 71.16E 0 2.8b,2.6
SOME IX 05 19 25 21.4 42.70N 71.18E 15 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=2.4km az=24.0.
ISC IX 09 06 39 53.0–1.3 41.31N–.04 71.15E–.05 14–16 21 1-4
KRNET IX 09 06 39 52.6–.10 41.33N 71.13E 13 2.4b **¶601736749**
NNC IX 09 06 39 53.8–3.1 41.33N 71.04E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=15.8km az=169.0.
ISC IX 11 01 30 43.8–2.0 39.1N–.10 72.64E–.05 10 24 1-4
KRNET IX 11 01 30 39.3–.10 38.80N 72.66E 18 3.2b **¶601739184**
NNC IX 11 01 30 40.9–5.7 38.69N 73.14E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=64.8km s-min=34.5km az=114.0.
ISC IX 11 11 21 30.8–.83 39.79N–.04 72.48E–.02 10 85 1-15
SOME IX 11 11 21 29.0 39.77N 72.55E 5 **¶601739208**
KRNET IX 11 11 21 29.5–.10 39.74N 72.44E 13 3.7b
NNC IX 11 11 21 29.3–2.9 39.62N 72.54E 0 4.1b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.7km s-min=9.0km az=6.0.
ISC IX 12 05 50 52.5–.34 41.79N–.02 72.02E–.02 23–2 4.4b,3.7s 349 0-152
SOME IX 12 05 50 52.6 41.85N 72.10E 5 4.4b,3.7s **¶601707476**
IDC IX 12 05 50 52.1–.45 41.71N 72.04E 24–2 4.4L,4.3
KRNET IX 12 05 50 52.9–.10 41.80N 72.14E 16 5.0b,4.3
MOS IX 12 05 50 52.0–1.4 41.84N 71.87E 31 4.6b,4.3
BJI IX 12 05 50 52.0 41.86N 72.11E 20 4.7L,4.6b
NNC IX 12 05 50 52.6–.85 41.82N 72.13E 2–7 5.2b,4.9
KNET IX 12 05 50 54.1–1.2 41.79N 72.26E 14–8 4.8L,4.9
NEIC IX 12 05 50 54.8–.45 41.80N 72.01E 46–4 4.4b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=8.7km s-min=6.3km az=168.0.
MOS Error ellipse: s-maj=6.7km s-min=5.5km az=76.2. Felt (V-VI) at Arkit, Djilgyn, Djol-Sai, Top-Djangak; (V) at Avletim, Ak-Jok, Kyzyl-Tuu; IV) at Mayluu-Suu, Tash-Kumyr; (III-IV) at Bazar-Korgon, Kara-Kul', Kerben, Kochkor-Ata, Shamaldy-Sai; (III) at Djalal-Abad; (II-III) at Madaniyat, Toktogul. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=5.7km az=30.0.
KNET Error ellipse: s-maj=12.1km s-min=6.0km az=164.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=180.0.
ISC IX 12 06 30 53.3–.94 41.79N–.03 72.14E–.02 9–8 49 0-3
SOME IX 12 06 30 52.7 41.78N 72.07E 10 **¶601740113**
NNC IX 12 06 30 52.8–.83 41.79N 72.05E 0 2.9b,2.4
KRNET IX 12 06 30 53.4–.10 41.76N 72.09E 19 2.4b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=87.0.
ISC IX 12 22 52 11.8–1.3 41.50N–.03 71.25E–.03 12–12 35 1-4
SOME IX 12 22 52 11.9 41.50N 71.25E 5 **¶601740150**
KRNET IX 12 22 52 12.5–.10 41.49N 71.27E 17 2.0b
NNC IX 12 22 52 13.8–2.3 41.58N 71.30E 7–21 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=9.9km az=139.0.
ISC IX 13 20 35 35.7–1.0 40.71N–.02 72.48E–.02 16–7 3.7b,3.5s 135 1-86
IDC IX 13 20 35 31.7–.88 40.61N 72.66E 0 3.8,3.7b **¶601714108**
NNC IX 13 20 35 35.7–.40 40.74N 72.67E 0 4.3b,4.1
SOME IX 13 20 35 36.9 40.85N 72.67E 15 4.3b,4.1
KRNET IX 13 20 35 36.1–.10 40.74N 72.62E 22 3.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.0km az=145.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=2.0km az=61.0.
ISC IX 14 00 01 54.6–1.2 40.76N–.03 72.67E–.02 8–11 94 1-6
SOME IX 14 00 01 55.5 40.77N 72.65E 0 **¶601751661**
KRNET IX 14 00 01 56.2–.10 40.75N 72.60E 18 3.2b
NNC IX 14 00 01 56.5–.52 40.75N 72.65E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=1.8km az=64.0.
ISC IX 15 11 00 18.0–1.2 41.03N–.03 74.65E–.02 5–11 100 1-8
SOME IX 15 11 00 18.6 41.03N 74.67E 0 **¶601719660**
KRNET IX 15 11 00 19.4–.10 41.07N 74.61E 18 3.7b
NNC IX 15 11 00 20.2–1.3 41.06N 74.61E 0 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=8.8km az=120.0.
ISC IX 16 01 55 59.5–1.0 42.08N–.02 72.05E–.02 8–8 118 0-15
IDC IX 16 01 55 57.3–2.1 42.03N 71.90E 0 3.3,3.3 **¶601768484**
KRNET IX 16 01 55 59.2–.10 42.06N 72.16E 16 3.7b,3.3
SOME IX 16 01 55 59.6 42.07N 72.15E 20 3.7b,3.3
NNC IX 16 01 55 59.9–.69 42.09N 72.07E 0 4.2b,3.9
KNET IX 16 01 56 02.2–.96 42.12N 72.35E 6–5 3.5L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=14.6km az=177.0.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=147.0.
KNET Error ellipse: s-maj=7.0km s-min=4.7km az=165.0.
ISC IX 17 12 34 46.8–1.6 41.23N–.05 71.16E–.05 15–12 27 1-4
SOME IX 17 12 34 42.5 41.05N 71.12E 5 **¶601768981**
KRNET IX 17 12 34 46.5–.10 41.42N 70.88E 2.2b
NNC IX 17 12 34 47.0–8.8 41.18N 71.18E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=64.4km s-min=31.8km az=0.0.
ISC IX 18 12 53 31.9–1.7 41.22N–.06 70.96E–.05 5–13 22 1-3
KRNET IX 18 12 53 30.9–.10 41.25N 70.97E 2.5b **¶601775954**
SOME IX 18 12 53 32.7 41.23N 70.98E 10 2.5b
NNC IX 18 12 53 34.0–1.4 41.32N 71.01E 0 2.5b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=6.1km az=61.0.

KRNET IX 20 03 12 10.5–.10 41.19N 72.08E 35 1.7b
¶604823434
ISC IX 21 04 04 32.5–1.2 41.22N–.04 71.75E–.03 9–14 24 1-3
KRNET IX 21 04 04 32.2–.10 41.23N 71.71E 4 2.0b **¶601783705**
SOME IX 21 04 04 34.9 41.22N 71.85E 5 2.0b
NNC IX 21 04 04 35.7–1.7 41.23N 71.93E 7–9 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=4.5km az=61.0.
ISC IX 22 06 42 35.3–1.9 41.00N–.04 69.84E–.07 5–13 31 1-6
SOME IX 22 06 42 33.2 40.92N 69.68E 5 **¶601792342**
KRNET IX 22 06 42 34.7–.10 41.02N 69.66E 2.9b
NNC IX 22 06 42 36.5–2.2 41.08N 69.61E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=11.8km az=54.0.
ISC IX 22 22 15 05.9–1.1 41.94N–.02 72.28E–.02 2–11 62 0-4
SOME IX 22 22 15 05.9 41.95N 72.27E 5 **¶601792378**
KNET IX 22 22 15 06.9–.96 42.26N 72.16E 0 2.2L
KRNET IX 22 22 15 06.0–.10 41.93N 72.31E 12 2.6b
NNC IX 22 22 15 06.1–.95 41.96N 72.22E 0 3.0b,2.6
ISC Event type se.
KNET Error ellipse: s-maj=17.7km s-min=5.9km az=154.0.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=126.0.
ISC IX 22 23 01 22.4–1.0 41.29N–.03 72.34E–.02 15–11 51 0-4
SOME IX 22 23 01 22.6 41.32N 72.32E 0 **¶601792381**
KRNET IX 22 23 01 22.0–.10 41.27N 72.33E 14 2.4b
NNC IX 22 23 01 23.9–1.6 41.34N 72.44E 0 2.8b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=6.5km az=75.0.
ISC IX 23 12 13 57.3–1.4 41.32N–.04 71.05E–.03 6–12 26 1-4
SOME IX 23 12 13 55.1 41.20N 71.00E 0 **¶601794147**
KRNET IX 23 12 13 57.9–.10 41.32N 71.09E 6 2.2b
NNC IX 23 12 13 59.6–6.9 41.35N 70.98E 0 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.7km s-min=29.2km az=10.0.
ISC IX 24 07 27 59.9–1.3 41.30N–.03 71.13E–.03 7–12 30 1-4
SOME IX 24 07 27 56.8 41.12N 71.10E 0 **¶601794630**
KRNET IX 24 07 27 58.9–.10 41.36N 71.03E 14 2.4b
NNC IX 24 07 28 01.3–6.1 41.26N 71.17E 0 3.1b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.4km s-min=24.5km az=3.0.
ISC IX 25 12 04 25.6–1.8 41.27N–.04 71.01E–.04 2–14 23 1-3
SOME IX 25 12 04 24.3 41.18N 71.07E 10 **¶601795555**
KRNET IX 25 12 04 25.9–.10 41.32N 71.04E 11 2.2b
NNC IX 25 12 04 25.8–9.3 41.13N 71.23E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=67.6km s-min=34.8km az=179.0.
ISC IX 29 21 35 04.5–.54 41.67N–.02 73.06E–.02 10 3.1b 135 0-67
KRNET IX 29 21 35 03.6–.10 41.66N 73.04E 19 4.0b **¶601769282**
SOME IX 29 21 35 04.1 41.70N 73.12E 0 4.0b
ISCJB IX 29 21 35 04.9–.28 41.66N–.02 73.03E–.02 10 3.1b
NNC IX 29 21 35 04.1–.90 41.67N 73.05E 0 4.5b,4.2
KNET IX 29 21 35 05.2–.22 41.71N 73.16E 15–1 3.8L,4.2
IDC IX 29 21 35 06.5–1.5 41.89N 73.03E 0 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=146.6.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=5.8km az=61.0.
KNET Error ellipse: s-maj=2.6km s-min=1.3km az=132.0.
IDC Error ellipse: s-maj=24.6km s-min=14.0km az=142.0.
ISC IX 30 03 52 31.3–1.4 41.37N–.03 70.98E–.04 7–12 24 1-4
SOME IX 30 03 52 29.8 41.23N 71.00E 5 **¶601833061**
KRNET IX 30 03 52 31.7–.10 41.32N 71.14E 11 2.4b
NNC IX 30 03 52 35.1–1.4 41.39N 71.20E 21–11 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=5.7km az=63.0.
ISC X 01 23 39 43.7–1.1 41.71N–.02 72.60E–.02 8–11 82 0-7
KRNET X 01 23 39 44.9–.10 41.72N 72.60E 15 3.3b **¶601776146**
NNC X 01 23 39 45.0–.47 41.72N 72.64E 0 3.9b,3.4
SOME X 01 23 39 45.0 41.70N 72.57E 15 3.9b,3.4
KNET X 01 23 39 46.0–.28 41.77N 72.67E 1–1 2.8L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=79.0.
KNET Error ellipse: s-maj=2.7km s-min=1.4km az=149.0.
ISC X 05 12 12 19.8–1.5 41.30N–.04 71.03E–.03 3–13 30 1-3
NNC X 05 12 12 18.8–1.6 41.16N 71.08E 0 3.0b,2.6 **¶601838723**
KRNET X 05 12 12 19.8–.10 41.38N 70.90E 19 2.4b,2.6
SOME X 05 12 12 20.2 41.30N 71.05E 5 2.4b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=7.5km az=166.0.
ISC X 05 14 27 01.5–1.2 41.26N–.02 72.01E–.03 0–12 39 1-3
SOME X 05 14 27 01.7 41.28N 72.02E 0 **¶601838726**
KRNET X 05 14 27 01.6–.10 41.26N 72.03E 15 2.3b
NNC X 05 14 27 03.5–1.4 41.34N 72.16E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=5.2km az=77.0.
ISC X 07 12 40 29.0–3.4 41.1N–.20 71.06E–.06 25–19 11 1-3
SOME X 07 12 40 26.2 40.98N 71.07E 15 **¶601839754**
NNC X 07 12 40 29.3–12 41.13N 71.19E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=89.8km s-min=45.8km az=0.0.
ISC X 07 13 43 01.8–1.1 41.69N–.02 71.63E–.02 9–10 99 0-7
KRNET X 07 13 43 03.3–.10 41.64N 71.62E 14 2.8b **¶601839757**
NNC X 07 13 43 03.4–1.4 41.74N 71.54E 0 3.5b,3.2
SOME X 07 13 43 05.4 41.70N 71.53E 15 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=8.0km az=42.0.
ISC X 08 00 30 24.4–1.1 41.06N–.02 73.17E–.02 10–10 93 0-6
KRNET X 08 00 30 24.9–.10 41.02N 73.10E 21 2.9b **¶601840298**
SOME X 08 00 30 24.9 41.08N 73.17E 5 2.9b
NNC X 08 00 30 24.4–.32 41.00N 73.06E 0 3.5b,3.2
KNET X 08 00 30 26.6–.42 41.17N 73.19E 8–2 2.7L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=1.9km az=77.0.
KNET Error ellipse: s-maj=3.2km s-min=2.0km az=137.0.
ISC X 13 09 17 04.7–1.8 41.84N–.05 69.52E–.08 11–11 28 0-4
KRNET X 13 09 17 04.0–.10 41.84N 69.39E 2.6b **¶601852349**
ISCJB X 13 09 17 05.1–1.2 41.83N–.04 69.55E–.08 11–6 2.6b
SOME X 13 09 17 07.0 41.73N 70.03E 10 2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.0km az=5.8.
ISC X 13 12 55 52.2–1.3 41.36N–.04 71.01E–.04 25–17 28 1-4
SOME X 13 12 55 47.8 41.10N 70.98E 10 **¶601852358**
KRNET X 13 12 55 49.5–.10 41.45N 70.82E 21 2.2b
NNC X 13 12 55 51.9–3.7 41.28N 71.07E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.3km s-min=15.0km az=6.0.
ISC X 14 12 34 13.2–1.4 41.29N–.04 71.11E–.04 1–12 25 1-3
SOME X 14 12 34 11.5 41.20N 71.08E 0 **¶601853251**
KRNET X 14 12 34 12.8–.10 41.36N 71.05E 11 2.1b
NNC X 14 12 34 18.2–9.0 41.36N 71.23E 0 2.6b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=74.2km s-min=37.9km az=178.0.
ISC X 15 10 58 45.9–2.6 41.2N–.10 71.13E–.06 15–15 25 1-4
SOME X 15 10 58 44.5 41.15N 71.00E 10 **¶601857617**
NNC X 15 10 58 45.0–4.4 41.08N 71.16E 0 3.1b,2.8
KRNET X 15 10 58 46.7–.10 41.25N 71.16E 11 2.3b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.8km s-min=23.1km az=165.0.
ISC X 17 11 33 12.4–1.4 41.03N–.04 70.06E–.07 10 30 1-4
NNC X 17 11 33 08.8–3.8 40.79N 70.11E 0 3.1b,2.8 **¶601864400**
SOME X 17 11 33 11.5 40.95N 70.00E 10 3.1b,2.8
ISCJB X 17 11 33 15.0–.93 41.12N–.04 70.10E–.07 10 3.1b,2.8

KRNET X 17 11 33 15.4–.10 41.11N 70.26E 2.6b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.3km s-min=17.1km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=173.1.
ISC X 20 12 40 41.8–1.4 41.32N–.04 71.07E–.04 6–11 25 1-3
SOME X 20 12 40 38.6 41.18N 70.95E 10 **¶601869314**
KRNET X 20 12 40 42.3–.10 41.31N 71.17E 16 2.1b
NNC X 20 12 40 42.5–4.2 41.29N 71.06E 0 2.5b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=50.2km s-min=14.1km az=54.0.
ISC X 21 03 26 55.9–1.1 40.39N–.03 73.38E–.03 8–12 80 0-5
SOME X 21 03 26 54.1 40.38N 73.23E 5 **¶601869698**
KRNET X 21 03 26 55.9–.10 40.37N 73.32E 16 3.8b
NNC X 21 03 26 56.4–.48 40.38N 73.38E 0 4.1b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=2.4km az=78.0.
ISC X 21 07 35 59.2–.85 42.03N–.03 71.51E–.03 10 54 0-6
SOME X 21 07 35 59.8 42.08N 71.60E 15 **¶601869704**
KRNET X 21 07 35 59.0–.10 42.04N 71.65E 11 2.6b
NNC X 21 07 35 59.7–1.6 42.14N 71.59E 0 3.1b,2.8
ISCJB X 21 07 36 00.3–.48 42.08N–.03 71.56E–.03 10 3.1b,2.8
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC X 22 22 13 47.0–1.0 41.73N–.03 72.67E–.02 12–9 108 1-13
KRNET X 22 22 13 47.5–.10 41.74N 72.66E 16 3.5b **¶601842100**
SOME X 22 22 13 48.4 41.78N 72.68E 10 3.5b
NNC X 22 22 13 48.3–.55 41.77N 72.65E 0 4.2b,3.8
KNET X 22 22 13 51.0–.35 41.91N 72.77E 9–1 3.3L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=70.0.
KNET Error ellipse: s-maj=4.5km s-min=1.8km az=165.0.
ISC X 24 06 36 17.5–2.4 41.6N–.10 72.83E–.05 11–13 16 1-3
KRNET X 24 06 36 17.6–.10 41.75N 72.74E 15 2.5b **¶601876299**
NNC X 24 06 36 17.6–2.1 41.61N 72.91E 0 2.8b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=10.3km az=45.0.
ISC X 25 08 03 08.9–1.7 41.27N–.04 71.08E–.05 3–15 27 1-4
SOME X 25 08 03 08.3 41.22N 71.07E 0 **¶601880182**
KRNET X 25 08 03 09.3–.10 41.32N 70.99E 15 2.6b
NNC X 25 08 03 09.2–2.0 41.19N 71.00E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=9.0km az=57.0.
ISC X 27 07 29 38.1–1.7 41.25N–.08 70.91E–.06 10 26 1-4
ISCJB X 27 07 29 37.9–1.2 41.15N–.07 70.87E–.07 10 **¶601883232**
SOME X 27 07 29 37.3 41.13N 71.15E 5
KRNET X 27 07 29 37.3–.10 41.20N 70.70E 35 2.4b
NNC X 27 07 29 38.0–1.1 41.20N 71.05E 0 2.9b,2.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.4km az=21.4.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=82.0.
ISC X 27 10 00 56.0–1.7 39.3N–.10 72.23E–.04 7–12 63 0-13
KRNET X 27 10 00 55.9–.10 39.49N 72.28E 11 3.3b **¶601883243**
NNC X 27 10 00 57.0–1.6 39.34N 72.48E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=6.1km az=174.0.
ISC X 27 10 45 05.6–1.8 41.11N–.08 69.86E–.10 4–19 34 1-5
NNC X 27 10 45 02.4–6.2 40.92N 69.96E 0 3.3b,2.9 **¶601883246**
SOME X 27 10 45 04.1 40.90N 70.17E 5 3.3b,2.9
KRNET X 27 10 45 06.7–.10 41.18N 70.08E 2.5b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.3km s-min=25.9km az=26.0.
KRNET X 28 13 32 05.1–.10 40.90N 73.92E 18 1.9b
¶604823838
ISC X 30 12 05 42.3–4.0 41.0N–.10 70.6E–.10 20–11 16 1-4
KRNET X 30 12 05 40.6–.10 40.91N 70.52E 2.7b **¶601890491**
ISC Event type ke.
ISC X 30 13 09 51.9–1.2 42.29N–.03 72.68E–.03 2–11 53 1-11
NNC X 30 13 09 51.9–2.3 42.20N 72.50E 0 2.7b,2.5 **¶601890495**
SOME X 30 13 09 52.4 42.30N 72.52E 5 2.7b,2.5
KRNET X 30 13 09 52.8–.10 42.29N 72.59E 19 2.4b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.1km s-min=13.6km az=174.0.
ISC XI 02 11 04 30.3–1.0 41.30N–.05 71.08E–.04 10 28 1-4
SOME XI 02 11 04 26.9 41.05N 71.03E 10 **¶601903343**
KRNET XI 02 11 04 28.2–.10 41.42N 70.93E 21 2.6b
ISCJB XI 02 11 04 31.5–.71 41.31N–.04 70.99E–.05 10 2.6b
NNC XI 02 11 04 36.0–8.9 41.48N 70.87E 0 3.0b,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=179.7.
NNC Event type se. Error ellipse: s-maj=84.9km s-min=34.7km az=11.0.
ISC XI 03 01 34 52.8–1.2 41.64N–.03 72.74E–.02 2–11 69 0-4
SOME XI 03 01 34 53.5 41.63N 72.73E 10 **¶601906704**
KRNET XI 03 01 34 53.2–.10 41.61N 72.74E 12 2.7b
KNET XI 03 01 34 55.2–.78 41.69N 72.84E 0 2.1L
NNC XI 03 01 34 56.0–5.2 41.66N 72.72E 7–31 3.3b,2.9
ISC Event type se.
KNET Error ellipse: s-maj=7.2km s-min=5.1km az=113.0.
NNC Event type se. Error ellipse: s-maj=45.1km s-min=20.7km az=170.0.
ISC XI 04 19 36 36.0–1.2 41.23N–.05 73.59E–.02 13–11 95 0-13
KRNET XI 04 19 36 36.9–.10 41.26N 73.55E 15 3.6b **¶601909764**
SOME XI 04 19 36 36.5 41.23N 73.50E 10 3.6b
NNC XI 04 19 36 37.9–2.4 41.40N 73.50E 1–14 3.5b,3.2
KNET XI 04 19 36 38.5–.40 41.34N 73.68E 7–1 3.1L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=6.6km az=0.0.
KNET Error ellipse: s-maj=3.4km s-min=1.3km az=67.0.
ISC XI 06 23 37 06.2–1.2 41.98N–.03 72.18E–.02 1–12 44 0-3
KRNET XI 06 23 37 06.3–.10 41.97N 72.19E 13 2.3b **¶601991496**
SOME XI 06 23 37 06.3 41.95N 72.15E 5 2.3b
NNC XI 06 23 37 09.9–2.1 42.16N 72.07E 0 2.6b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.0km s-min=13.0km az=177.0.
ISC XI 08 07 11 14.3–1.5 41.30N–.03 71.21E–.05 11–13 28 1-4
SOME XI 08 07 11 10.1 41.05N 71.13E 5 **¶602584055**
KRNET XI 08 07 11 12.8–.10 41.33N 71.11E 13 2.6b
NNC XI 08 07 11 12.7–2.9 43.53N 70.76E 0 2.9b,2.6
ISC Event type ke.
NNC Error ellipse: s-maj=31.4km s-min=17.9km az=47.0.
ISC XI 10 11 10 41.1–2.6 41.07N–.06 69.8E–.10 6–23 21 1-5
KRNET XI 10 11 10 37.7–.10 41.21N 69.73E 2.5b **¶601991655**
NNC XI 10 11 10 43.1–2.9 41.01N 70.05E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=11.7km az=63.0.
ISC XI 11 11 56 37.3–1.4 41.37N–.05 70.85E–.07 30–17 22 1-4
KRNET XI 11 11 56 30.2–.10 41.57N 70.39E 25 2.4b **¶601991710**
NNC XI 11 11 56 36.7–2.5 41.20N 71.10E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=13.5km az=49.0.
ISC XI 14 08 16 09.1–.85 41.72N–.03 71.67E–.03 10 57 0-5
KRNET XI 14 08 16 09.1–.10 41.69N 71.66E 17 2.8b **¶601991944**
SOME XI 14 08 16 09.1 41.70N 71.65E 5 2.8b
ISCJB XI 14 08 16 10.4–.45 41.70N–.03 71.66E–.03 10 2.8b
NNC XI 14 08 16 10.3–1.5 41.72N 71.74E 0 3.4b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.4km az=172.2.
NNC Event type se. Error ellipse: s-maj=11.2km s-min=9.6km az=92.0.
ISC XI 15 16 07 43.1–1.1 41.65N–.03 74.61E–.02 12–8 113 0-5
SOME XI 15 16 07 43.3 41.60N 74.62E 10 **¶601903355**
KRNET XI 15 16 07 43.0–.10 41.62N 74.63E 17 3.6b
KNET XI 15 16 07 43.7–.53 41.69N 74.54E 18–2 3.1L
NNC XI 15 16 07 44.1–2.2 41.68N 74.59E 0 4.0b,3.8
ISC Event type se.
KNET Error ellipse: s-maj=3.0km s-min=1.8km az=174.0.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=11.1km az=28.0.
ISC XI 19 10 41 18.7–.78 42.96N–.03 71.50E–.02 11–5 4.1b 201 0-88
IDC XI 19 10 41 16.6–.73 42.92N 71.58E 0 4.7,4.7s **¶601992908**
MOS XI 19 10 41 17.4–1.2 43.08N 71.45E 15 4.4b,4.7s
KRNET XI 19 10 41 17.4–.10 42.98N 71.59E 13 4.9b,4.7s
NNC XI 19 10 41 17.4–.37 42.89N 71.54E 0–5 4.8b,4.6
ISCJB XI 19 10 41 17.4–.54 43.06N–.02 71.42E–.03 14–3 4.6s,4.0b
SOME XI 19 10 41 18.3 43.05N 71.58E 0 3.5s,4.0b
BJI XI 19 10 41 18.7 43.25N 71.58E 11 4.5b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=5.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=5.9km az=102.7. Felt (IV-V) at Taraz. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=1.9km az=23.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=30.9.
ISC XI 19 12 57 52.5–1.1 42.94N–.04 71.60E–.02 7–15 40 1-3
NNC XI 19 12 57 51.3–.68 42.87N 71.50E 0 2.9b,2.0 **¶601992936**
KRNET XI 19 12 57 52.4–.10 42.93N 71.58E 17 2.4b,2.0
SOME XI 19 12 57 52.8 42.98N 71.55E 15 2.4b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.0km s-min=3.5km az=21.0.
ISC XI 19 14 50 15.2–.95 42.94N–.06 71.56E–.04 10 28 1-3
NNC XI 19 14 50 14.5–.43 42.89N 71.52E 0 2.8b,2.0 **¶601992955**
ISCJB XI 19 14 50 15.9–.63 42.99N–.05 71.49E–.04 10 2.8b,2.0
KRNET XI 19 14 50 15.6–.10 42.95N 71.63E 18 2.2b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=2.0km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=8.6.
ISC XI 21 16 13 00.4–.69 42.89N–.03 71.61E–.02 10 85 0-10
NNC XI 21 16 12 58.9–.37 42.97N 71.58E 0 3.8b,3.4 **¶601993493**
SOME XI 21 16 12 59.7 43.08N 71.50E 5 3.8b,3.4
ISCJB XI 21 16 13 00.9–.37 42.98N–.03 71.57E–.02 10 3.8b,3.4
KRNET XI 21 16 13 00.6–.10 42.94N 71.68E 19 3.4b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=1.7km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.4km az=1.3.
ISC XI 21 18 47 42.8–1.1 42.96N–.06 71.59E–.03 16–7 29 0-2
SOME XI 21 18 47 41.9 43.12N 71.50E 10 **¶601993515**
NNC XI 21 18 47 41.4–1.3 42.95N 71.55E 0 2.8b,1.7
ISCJB XI 21 18 47 42.6–.79 43.00N–.05 71.58E–.04 15–9 2.8b,1.7
KRNET XI 21 18 47 42.2–.10 42.96N 71.65E 24 2.4b,1.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=7.5km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=7.2.
ISC XI 22 16 45 31.6–1.4 40.73N–.04 73.32E–.02 1–15 75 1-11
SOME XI 22 16 45 32.3 40.75N 73.30E 0 **¶601993768**
KRNET XI 22 16 45 34.6–.10 40.77N 73.21E 22 3.2b
NNC XI 22 16 45 34.5–.24 40.75N 73.23E 0 3.6b,3.2
KNET XI 22 16 45 37.4–.65 40.92N 73.38E 14–4 3.1L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=1.2km az=78.0.
KNET Error ellipse: s-maj=5.1km s-min=2.9km az=96.0.
ISC XI 23 07 15 00.6–1.4 41.28N–.03 70.99E–.03 1–12 29 1-4
SOME XI 23 07 14 58.6 41.20N 71.00E 0 **¶602005542**
KRNET XI 23 07 14 59.1–.10 41.38N 70.92E 21 2.2b
NNC XI 23 07 15 03.6–3.3 41.29N 71.17E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=19.0km az=41.0.
ISC XI 26 10 04 29.1–.81 41.06N–.02 71.75E–.02 12–5 4.1b 221 1-152
IDC XI 26 10 04 26.0–.77 40.81N 71.66E 0 4.1,3.9 **¶601994528**
MOS XI 26 10 04 29.1–1.6 41.01N 71.52E 13 4.4b,3.9
KRNET XI 26 10 04 29.8–.10 41.08N 71.67E 22 4.1b,3.9
SOME XI 26 10 04 30.0 41.05N 71.60E 5 4.1b,3.9
NNC XI 26 10 04 31.2–.74 41.09N 71.74E 0 4.4b,4.1
NEIC XI 26 10 04 34.0–.51 41.05N 71.60E 51–6 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=10.4km az=154.0.
MOS Error ellipse: s-maj=7.5km s-min=5.5km az=88.5.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=63.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.5km az=161.0.
ISC XI 26 19 04 36.6–1.1 40.25N–.03 72.90E–.02 5–8 3.6b 116 1-85
IDC XI 26 19 04 34.0–.98 40.17N 72.95E 0 3.7,3.6b **¶601994633**
KRNET XI 26 19 04 36.3–.10 40.34N 72.99E 16 3.8b,3.6b
SOME XI 26 19 04 37.1 40.32N 73.08E 10 3.8b,3.6b
NNC XI 26 19 04 37.1–.59 40.30N 73.02E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=14.8km az=128.0.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=2.0km az=52.0.
ISC XI 28 18 06 32.9–1.1 42.79N–.03 72.00E–.01 3–10 95 0-5
NNC XI 28 18 06 32.6–.42 42.70N 71.89E 0 2.9b,2.7 **¶602036394**
SOME XI 28 18 06 33.7 42.77N 72.03E 5 2.9b,2.7
KRNET XI 28 18 06 33.4–.10 42.74N 71.96E 18 2.8b,2.7
KNET XI 28 18 06 35.0–1.1 42.78N 72.16E 0 2.2L,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=2.2km az=23.0.
KNET Error ellipse: s-maj=8.9km s-min=6.5km az=55.0.
ISC XI 29 15 31 42.8–.70 39.53N–.05 72.03E–.03 10 3.8b,3.1s 74 0-85
ISCJB XI 29 15 31 41.8–.60 39.43N–.04 72.02E–.04 10 3.7b,3.0s **¶601995256**
KRNET XI 29 15 31 41.7–.10 39.54N 72.02E 16 4.0b,3.0s
IDC XI 29 15 31 41.5–.90 39.39N 72.14E 0 3.9,3.8
NNC XI 29 15 31 43.8–1.2 39.50N 72.18E 0 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=163.4.
IDC Error ellipse: s-maj=18.5km s-min=15.1km az=94.0.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=3.9km az=2.0.
ISC XII 01 02 12 55.0–1.2 41.07N–.03 71.70E–.03 10–12 36 1-5
SOME XII 01 02 12 55.6 41.05N 71.65E 5 **¶602042809**
KRNET XII 01 02 12 55.6–.10 41.08N 71.66E 20 2.4b
NNC XII 01 02 12 57.0–1.9 41.10N 71.81E 0–11 2.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=3.4km az=64.0.
ISC XII 01 05 53 25.8–.83 41.35N–.03 71.74E–.03 10 50 1-5
SOME XII 01 05 53 25.3 41.33N 71.75E 5 **¶602042810**
NNC XII 01 05 53 25.3–1.8 41.35N 71.78E 0 2.5b,2.4
KRNET XII 01 05 53 25.5–.10 41.37N 71.73E 20 2.5b,2.4
ISCJB XII 01 05 53 26.9–.41 41.36N–.03 71.75E–.03 10 2.5b,2.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 01 05 59 00.3–1.4 41.35N–.03 71.73E–.04 1–12 32 1-3
ISCJB XII 01 05 59 00.8–1.1 41.36N–.03 71.75E–.05 0–7 **¶602042811**
NNC XII 01 05 59 00.9–1.3 41.36N 71.79E 0 2.5b,2.3
KRNET XII 01 05 59 01.0–.10 41.36N 71.73E 20 2.4b,2.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=33.6.
NNC Event type se. Error ellipse: s-maj=13.0km s-min=6.6km az=73.0.
ISC XII 01 06 01 33.5–.83 41.31N–.03 71.71E–.03 10 32 1-5
SOME XII 01 06 01 33.1 41.40N 71.77E 5 **¶602042812**
NNC XII 01 06 01 33.8–1.2 41.36N 71.86E 0 2.8b,2.6
KRNET XII 01 06 01 33.5–.10 41.36N 71.71E 23 2.1b,2.6
ISCJB XII 01 06 01 34.8–.49 41.34N–.03 71.74E–.05 10 2.1b,2.6
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 01 11 53 27.0–1.2 41.31N–.03 71.13E–.03 5–11 31 1-3
SOME XII 01 11 53 24.9 41.07N 71.08E 15 **¶602042825**
KRNET XII 01 11 53 26.6–.10 41.34N 71.17E 11 2.7b
NNC XII 01 11 53 27.5–2.8 41.25N 71.08E 0 2.8b,2.5

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=15.1km az=51.0.
ISC XII 01 15 16 32.8–1.1 41.12N–.03 74.87E–.02 5–10 106 1-8
KRNET XII 01 15 16 33.3–.10 41.09N 74.89E 18 3.4b ¶602042829
SOME XII 01 15 16 33.9 41.12N 74.87E 10 3.4b
NNC XII 01 15 16 35.0–1.0 41.15N 74.79E 0 3.7b,3.4
KNET XII 01 15 16 35.9–.33 41.24N 74.94E 15–2 2.7L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=7.3km az=133.0.
KNET Error ellipse: s-maj=2.6km s-min=1.0km az=5.0.
ISC XII 03 11 18 34.2–1.8 39.4N–.10 72.36E–.04 10 28 0-13
ISCJB XII 03 11 18 33.1–1.3 39.27N–.08 72.30E–.05 10 ¶602042901
KRNET XII 03 11 18 33.0–.10 39.42N 72.34E 12 2.7b
NNC XII 03 11 18 33.5–1.7 39.34N 72.41E 0 2.9b,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.4km az=172.6.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=6.0km az=173.0.
ISC XII 05 02 36 38.7–1.2 41.40N–.03 74.61E–.02 1–10 97 1-10
SOME XII 05 02 36 38.3 41.38N 74.60E 0 ¶602051479
KRNET XII 05 02 36 38.8–.10 41.40N 74.62E 19 3.5b
KNET XII 05 02 36 39.6–1.1 41.47N 74.59E 4–7 2.9L
NNC XII 05 02 36 40.5–.97 41.44N 74.49E 0 3.9b,3.6
ISC Event type se.
KNET Error ellipse: s-maj=6.3km s-min=2.2km az=178.0.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=5.7km az=111.0.
ISC XII 05 08 53 51.2–1.8 41.17N–.04 70.0E–.10 1–15 18 1-3
KRNET XII 05 08 53 48.2–.10 41.24N 69.78E 2.2b ¶602051494
NNC XII 05 08 53 51.7–3.0 40.93N 70.37E 0 2.7b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.3km s-min=12.0km az=55.0.
ISC XII 06 06 43 50.1–1.3 39.58N–.04 72.58E–.02 2–8 3.8b 102 1-85
IDC XII 06 06 43 49.4–.90 39.27N 72.50E 0 3.8,3.7 ¶602052122
KRNET XII 06 06 43 51.6–.10 39.43N 72.56E 19 3.4b,3.7
NNC XII 06 06 43 55.4–1.1 39.58N 72.44E 0 4.2b,3.9
SOME XII 06 06 43 56.5 39.80N 72.53E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=13.8km az=131.0.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=3.4km az=2.0.
ISC XII 06 11 54 33.4–1.3 41.33N–.03 71.07E–.03 13–14 26 1-3
SOME XII 06 11 54 30.9 41.20N 71.02E 0 ¶602052155
NNC XII 06 11 54 31.7–3.1 41.17N 71.16E 0 2.8b,2.5
KRNET XII 06 11 54 33.5–.10 41.32N 71.07E 15 2.2b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=16.2km az=164.0.
ISC XII 07 07 26 18.1–1.2 40.62N–.02 73.30E–.02 3–11 100 1-5
KRNET XII 07 07 26 18.8–.10 40.70N 73.37E 22 3.1b ¶602054355
SOME XII 07 07 26 18.5 40.78N 73.40E 0 3.1b
NNC XII 07 07 26 18.4–.31 40.69N 73.34E 0 3.6b,3.2
KNET XII 07 07 26 23.0–1.6 41.08N 73.40E 0 2.8L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=1.6km az=86.0.
KNET Error ellipse: s-maj=23.4km s-min=12.8km az=112.0.
ISC XII 07 09 28 24.8–1.2 41.41N–.05 75.90E–.02 3–9 73 0-3
KRNET XII 07 09 28 25.1–.10 41.44N 75.89E 14 2.8b ¶602588735
SOME XII 07 09 28 26.0 41.47N 75.92E 5 2.8b
NNC XII 07 09 28 28.2–4.9 44.19N 74.87E 0 3.0b,2.8
ISC Event type ke.
NNC Error ellipse: s-maj=34.8km s-min=23.9km az=5.0.
ISC XII 08 01 38 47.7–1.2 41.95N–.02 72.32E–.02 1–12 78 0-5
SOME XII 08 01 38 47.9 41.97N 72.32E 5 ¶602055809
NNC XII 08 01 38 47.9–1.2 41.94N 72.25E 0 3.2b,2.8
KRNET XII 08 01 38 48.0–.10 41.94N 72.32E 9 2.8b,2.8
KNET XII 08 01 38 53.4–.83 42.16N 72.58E 0 2.3L,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=77.0.
KNET Error ellipse: s-maj=10.3km s-min=5.3km az=162.0.
ISC XII 09 16 46 41.5–1.1 40.67N–.02 73.41E–.02 5–8 3.8b 160 1-85
IDC XII 09 16 46 41.0–.82 40.67N 73.26E 0 3.8,3.7 ¶602056537
SOME XII 09 16 46 42.3 40.73N 73.35E 0 3.8,3.7
NNC XII 09 16 46 43.6–.59 40.73N 73.18E 0 4.1b,3.8
KRNET XII 09 16 46 43.5–.10 40.75N 73.28E 14 4.1b,3.8
MOS XII 09 16 46 44.7–3.2 40.71N 73.17E 22 4.1b,3.8
KNET XII 09 16 46 45.2–1.2 40.86N 73.31E 12–11 3.7L,3.8
BJI XII 09 16 46 49.1 40.81N 73.88E 10 3.7L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=11.5km az=117.0.
NNC Event type se. Error ellipse: s-maj=7.9km s-min=3.5km az=80.0.
MOS Error ellipse: s-maj=12.0km s-min=6.7km az=76.5.
KNET Error ellipse: s-maj=7.2km s-min=3.3km az=81.0.
ISC XII 10 06 45 04.0–1.4 41.34N–.04 70.98E–.03 2–12 34 1-4
SOME XII 10 06 45 01.5 41.15N 70.97E 0 ¶602056876
KRNET XII 10 06 45 02.8–.10 41.36N 70.95E 14 2.4b
NNC XII 10 06 45 03.8–1.2 41.16N 71.03E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=6.5km az=71.0.
ISC XII 10 11 47 49.3–1.2 41.03N–.03 70.06E–.04 4–11 35 1-5
SOME XII 10 11 47 43.9 40.88N 69.72E 0 ¶602056852
NNC XII 10 11 47 43.0–4.7 40.93N 69.50E 0 3.6b,3.2
KRNET XII 10 11 47 49.8–.10 41.00N 70.11E 3.1b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=17.7km az=25.0.
ISC XII 10 12 11 08.7–.83 39.39N–.05 72.01E–.03 10 3.7b 93 1-78
KRNET XII 10 12 11 07.8–.10 39.43N 72.02E 12 3.5b ¶602056851
ISCJB XII 10 12 11 08.3–.64 39.35N–.04 72.02E–.03 10 3.7b,2.8s
SOME XII 10 12 11 08.8 39.45N 72.08E 5 3.7b,2.8s
BJI XII 10 12 11 08.5 39.58N 71.81E 5 3.6b,3.6L
NNC XII 10 12 11 08.2–3.0 39.32N 72.11E 0 4.2b,3.9
IDC XII 10 12 11 08.3–1.7 39.45N 72.06E 0 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=177.0.
NNC Event type se. Error ellipse: s-maj=28.9km s-min=10.8km az=174.0.
IDC Error ellipse: s-maj=28.9km s-min=15.3km az=147.0.
ISC XII 11 02 14 39.8–1.2 41.21N–.03 71.58E–.02 5–10 95 1-13
NNC XII 11 02 14 39.3–.94 41.18N 71.49E 4–7 3.7b,3.5 ¶602058038
SOME XII 11 02 14 40.3 41.20N 71.60E 5 3.7b,3.5
KRNET XII 11 02 14 41.1–.10 41.21N 71.56E 30 3.2b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=69.0.
ISC XII 11 09 04 27.1–1.2 40.94N–.03 72.72E–.02 1–10 98 0-11
NNC XII 11 09 04 27.8–.78 40.97N 72.87E 3–10 3.9b,3.6 ¶602035441
SOME XII 11 09 04 27.4 41.00N 72.93E 10 3.9b,3.6
KRNET XII 11 09 04 28.1–.10 40.98N 72.79E 26 3.5b,3.6
KNET XII 11 09 04 29.1–1.4 41.05N 72.89E 21–10 3.3L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=3.4km az=72.0.
KNET Error ellipse: s-maj=4.7km s-min=3.8km az=38.0.
ISC XII 11 17 09 54.5–1.3 41.79N–.05 71.78E–.04 12–23 12 1-3
SOME XII 11 17 09 53.5 41.73N 71.80E 0 ¶602058068
NNC XII 11 17 09 55.8–.75 41.89N 71.74E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=126.0.
ISC XII 11 17 13 34.1–.87 39.44N–.06 72.12E–.03 10 3.6b 59 0-85
IDC XII 11 17 13 33.2–1.3 39.27N 71.99E 0 3.8,3.8b ¶602058069
ISCJB XII 11 17 13 34.2–.72 39.34N–.05 72.00E–.04 10 3.7b,3.8b
KRNET XII 11 17 13 35.1–.10 39.43N 72.02E 26 3.4b,3.8b
NNC XII 11 17 13 36.8–2.0 39.42N 72.19E 1–11 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=15.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=176.8.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=6.6km az=1.0.
ISC XII 13 03 52 02.9–.97 40.90N–.02 73.73E–.02 11–6 4.0b 217 1-97
IDC XII 13 03 52 01.3–.71 40.81N 73.56E 0 4.0,3.9 ¶602043303
ISCJB XII 13 03 52 02.8–.56 40.83N–.01 73.60E–.02 10–3 3.9b,3.1s
KRNET XII 13 03 52 03.2–.10 40.89N 73.64E 20 4.6b,3.1s
NNC XII 13 03 52 03.2–.49 40.88N 73.62E 0 4.5b,4.3
NEIC XII 13 03 52 04.7–.97 40.87N 73.49E 17–6 4.2b,4.3
SOME XII 13 03 52 04.5 40.92N 73.65E 15 3.2s,4.3
BJI XII 13 03 52 05.8 41.17N 73.57E 28 4.2b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=14.5.
NNC Event type se. Error ellipse: s-maj=6.6km s-min=3.4km az=100.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=149.0.
ISC XII 14 06 49 55.4–2.2 41.33N–.06 70.98E–.09 23–24 19 1-3
SOME XII 14 06 49 49.9 41.03N 70.92E 15 ¶602060364
KRNET XII 14 06 49 53.3–.10 41.38N 70.82E 22 2.0b
ISC Event type ke.
ISC XII 17 11 23 33.1–1.5 42.97N–.06 71.50E–.04 18–4 18 1-3
NNC XII 17 11 23 32.2–1.6 42.99N 71.53E 0 2.7b,2.0 ¶602065081
KRNET XII 17 11 23 33.0–.10 42.93N 71.39E 26 2.4b,2.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.0km s-min=8.5km az=6.0.
ISC XII 18 09 47 04.3–1.2 41.34N–.03 71.06E–.04 15–11 26 1-4
KRNET XII 18 09 47 01.9–.10 41.55N 70.52E 35 2.3b ¶602068784
SOME XII 18 09 47 03.5 41.30N 71.15E 0 2.3b
NNC XII 18 09 47 05.7–1.9 41.40N 71.37E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.8km s-min=8.3km az=42.0.
ISC XII 18 17 05 06.5–1.3 42.96N–.05 71.58E–.02 3–12 30 1-3
NNC XII 18 17 05 06.4–1.0 42.91N 71.45E 0 3.0b,2.1 ¶602068797
KRNET XII 18 17 05 07.5–.10 42.96N 71.53E 30 2.3b,2.1
ISCJB XII 18 17 05 08.7–1.7 42.95N–.05 71.61E–.04 11–12 2.3b,2.1
SOME XII 18 17 05 09.4 43.05N 71.58E 20 2.3b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=5.2km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.9km az=173.9.
ISC XII 19 10 22 43.9–1.1 41.21N–.04 71.14E–.05 10 31 1-4
SOME XII 19 10 22 39.4 41.28N 70.82E 10 ¶602070941
KRNET XII 19 10 22 43.0–.10 41.27N 71.04E 13 2.2b
ISCJB XII 19 10 22 44.8–.70 41.25N–.03 71.03E–.06 10 2.2b
NNC XII 19 10 22 45.5–3.1 41.30N 71.02E 0 3.3b,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=26.3.
NNC Event type se. Error ellipse: s-maj=32.9km s-min=13.3km az=42.0.
ISC XII 21 17 25 35.1–1.2 40.66N–.03 73.71E–.02 8–11 78 1-5
KRNET XII 21 17 25 37.8–.10 40.72N 73.69E 21 3.0b ¶602092422
SOME XII 21 17 25 38.0 40.70N 73.68E 10 3.0b
NNC XII 21 17 25 38.4–.62 40.69N 73.61E 0 3.5b,3.2
KNET XII 21 17 25 39.1–.89 40.83N 73.78E 0–9 2.7L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=2.8km az=102.0.
KNET Error ellipse: s-maj=14.2km s-min=4.3km az=90.0.
ISC XII 22 14 08 15.6–1.3 41.08N–.03 72.64E–.03 1–12 46 0-4
KRNET XII 22 14 08 15.8–.10 41.11N 72.62E 14 2.4b ¶602588988
SOME XII 22 14 08 16.8 41.15N 72.75E 5 2.4b
NNC XII 22 14 08 17.5–2.0 41.06N 72.65E 0 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=9.1km az=78.0.
ISC XII 23 11 10 59.9–1.3 41.33N–.03 71.03E–.04 3–12 24 1-4
KRNET XII 23 11 10 58.0–.10 41.47N 70.85E 16 2.1b ¶602589010
SOME XII 23 11 10 58.2 41.17N 71.07E 0 2.1b
ISC Event type ke.
ISC XII 27 16 14 02.7–1.3 41.58N–.06 74.43E–.05 16–16 13 1-3
SOME XII 27 16 13 58.3 40.45N 77.20E 5 ¶604824638
KRNET XII 27 16 14 00.1–.10 41.74N 74.44E 16 1.9b
ISC Event type ke.
ISC XII 28 03 46 03.3–.83 41.18N–.03 71.97E–.03 10 35 1-5
SOME XII 28 03 46 02.3 41.22N 72.05E 5 ¶602311829
KRNET XII 28 03 46 02.2–.10 41.22N 72.05E 15 2.3b
NNC XII 28 03 46 03.3–3.2 41.21N 71.98E 0 2.9b,2.5
ISCJB XII 28 03 46 04.4–.45 41.20N–.03 72.08E–.04 10 2.9b,2.5
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 29 07 25 22.8–1.7 41.15N–.07 71.10E–.04 11–13 24 1-3
SOME XII 29 07 25 23.4 41.10N 70.92E 0 ¶602312581
KRNET XII 29 07 25 24.6–.10 40.53N 71.48E 2.6b
NNC XII 29 07 25 27.7–1.7 41.24N 71.13E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=7.4km az=53.0.

(717) Afghanistan-Tajikistan border region.

NNC VII 01 03 30 56.3–5.4 37.11N 70.60E 0 4.1b,3.8
¶601273507
NNC Event type se. Error ellipse: s-maj=43.0km s-min=33.5km az=161.0.
NNC VII 01 06 51 12.4–6.2 37.05N 70.25E 0 3.8b,3.4
¶601273512
NNC Event type se. Error ellipse: s-maj=50.7km s-min=35.8km az=168.0.
ISC VII 02 18 48 55.3–1.8 36.70N–.08 71.2E–.20 188 14 4-7
NNC VII 02 18 49 01.0–4.7 37.06N 70.88E 126–111 3.4,2.6b ¶601275640
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.1km s-min=37.5km az=87.0.
NNC VII 03 03 08 43.7–1.7 38.76N 70.47E 0 3.6b,3.2
¶601352096
NNC Event type se. Error ellipse: s-maj=12.4km s-min=7.6km az=31.0.
NNC VII 03 07 40 20.1–2.8 38.61N 70.13E 0 3.5b,3.1
¶601352102
NNC Event type se. Error ellipse: s-maj=22.7km s-min=19.7km az=60.0.
NNC VII 03 08 36 48.6–4.3 37.10N 70.64E 0 4.2b,3.8
¶601352106
NNC Event type se. Error ellipse: s-maj=33.5km s-min=28.6km az=160.0.
NNC VII 04 05 31 18.8–4.3 37.15N 70.55E 0 3.7b,3.4
¶601404209
NNC Event type se. Error ellipse: s-maj=32.7km s-min=28.9km az=162.0.
NNC VII 05 08 42 27.7–4.1 37.13N 70.81E 0 3.8b,3.4
¶601404907
NNC Event type se. Error ellipse: s-maj=41.5km s-min=28.2km az=141.0.
ISC VII 05 08 57 17.6–.60 38.68N–.04 70.46E–.06 10 3.8b 48 3-86
NNC VII 05 08 57 13.3–2.9 38.24N 70.00E 0 4.7b,4.3 ¶601404910
ISCJB VII 05 08 57 15.4–.46 38.51N–.04 70.30E–.08 10 3.7b,3.1s
IDC VII 05 08 57 23.3–2.8 38.67N 70.80E 64–23 3.8,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=18.4km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=166.0.
IDC Error ellipse: s-maj=21.7km s-min=15.6km az=172.0.
NNC VII 05 09 03 10.8–4.0 38.49N 70.01E 0 4.3b,3.9
¶601404911
NNC Event type se. Error ellipse: s-maj=36.4km s-min=22.1km az=6.0.
NNC VII 05 14 41 21.8–12 37.98N 70.95E 0 3.6b,3.2
¶601404929
NNC Event type se. Error ellipse: s-maj=93.8km s-min=65.8km az=17.0.
NNC VII 06 01 07 12.8–5.5 37.93N 71.55E 0 3.6b,3.2
¶601451774
NNC Event type se. Error ellipse: s-maj=42.1km s-min=30.7km az=178.0.
ISC VII 07 18 17 50.9–4.3 38.3N–.20 70.2E–.20 10 18 3-6
NNC VII 07 18 17 49.9–1.4 38.33N 70.29E 0 4.0b,3.6 ¶601453568
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=62.0.
ISC VII 08 00 21 59.9–3.0 38.3N–.20 70.3E–.10 10 17 3-13
NNC VII 08 00 22 02.1–1.4 38.54N 70.40E 0 3.9b,3.5 ¶601456862
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=8.3km az=26.0.

ISC VII 08 09 47 48.0–.82 36.31N–.06 71.29E–.09 150 3.4b 38 4-84
ISCJB VII 08 09 47 48.0–.63 36.30N–.04 71.35E–.08 150 3.4b ¶601456873
IDC VII 08 09 47 48.4–7.8 36.26N 71.14E 130–66 3.7,3.3
NNC VII 08 09 47 52.7–1.9 36.78N 70.69E 136–39 4.0,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.9km az=157.0.
IDC Error ellipse: s-maj=66.4km s-min=19.6km az=38.0.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=15.2km az=75.0.
NNC VII 08 21 30 33.9–5.1 37.19N 70.62E 0 3.7b,3.4
¶601456883

NNC Event type se. Error ellipse: s-maj=39.5km s-min=35.5km az=165.0.
NNC VII 08 23 05 28.6–3.4 37.23N 70.87E 0 3.9b,3.5
¶601456884

NNC Event type se. Error ellipse: s-maj=26.9km s-min=23.7km az=143.0.
NNC VII 08 23 56 09.4–4.6 37.45N 71.27E 20–19 3.5b,3.0
¶601456886

NNC Event type se. Error ellipse: s-maj=34.1km s-min=28.2km az=3.0.
NNC VII 09 00 59 59.1–4.2 37.85N 71.43E 0 3.8b,3.4
¶601457551

NNC Event type se. Error ellipse: s-maj=32.2km s-min=26.7km az=176.0.
ISC VII 09 13 04 38.4–2.0 37.1N–.20 71.3E–.10 200 3.7b 22 3-43
NNC VII 09 13 04 37.9–.90 37.09N 71.22E 169–13 3.7,2.8b ¶601457570
IDC VII 09 13 04 40.6–8.6 37.26N 71.26E 207–54 3.9,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=7.5km az=64.0.
IDC Error ellipse: s-maj=85.3km s-min=39.7km az=172.0.
NNC VII 09 17 52 42.3–1.9 37.67N 71.39E 0 3.6b,3.2
¶601457574

NNC Event type se. Error ellipse: s-maj=15.0km s-min=12.1km az=166.0.
NNC VII 10 03 31 45.7–2.4 37.07N 70.41E 0 3.6b,3.2
¶601462412

NNC Event type se. Error ellipse: s-maj=18.1km s-min=16.1km az=176.0.
NNC VII 10 12 07 52.1–3.0 37.40N 71.96E 249–26 3.5,2.3b
¶601462433

NNC Event type se. Error ellipse: s-maj=29.4km s-min=25.1km az=76.0.
NNC VII 11 14 35 16.6–3.3 37.10N 70.77E 0 3.7b,3.3
¶601467823

NNC Event type se. Error ellipse: s-maj=24.8km s-min=22.2km az=167.0.
NNC VII 11 15 20 40.8–2.4 37.03N 70.93E 0 3.6b,3.2
¶601467824

NNC Event type se. Error ellipse: s-maj=19.3km s-min=16.9km az=157.0.
NNC VII 11 21 05 51.9–1.7 37.13N 70.46E 0 3.7b,3.3
¶601467826

NNC Event type se. Error ellipse: s-maj=13.2km s-min=10.8km az=178.0.
ISC VII 12 14 44 54.8–.35 36.47N–.03 71.11E–.03 154–3 4.6b 379 3-135
MOS VII 12 14 44 53.8–1.0 36.43N 71.22E 153 4.8b ¶601268266
ISCJB VII 12 14 44 53.8–.27 36.47N–.02 71.15E–.02 152–3 4.5b
BJI VII 12 14 44 54.4 36.50N 71.10E 175 4.9b,4.7b
IDC VII 12 14 44 55.2–2.2 36.40N 71.11E 156–21 4.7,4.3
NEIC VII 12 14 44 56.2–.24 36.52N 71.17E 168 4.7b,4.3
NNC VII 12 14 44 57.2–2.3 36.75N 70.89E 162–29 5.7,4.6b
ISC Event type fe.
MOS Error ellipse: s-maj=5.8km s-min=4.0km az=94.5.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=179.0.
IDC Error ellipse: s-maj=10.3km s-min=7.2km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.6km az=156.0. Felt at Kabul.
NNC Event type se. Error ellipse: s-maj=22.7km s-min=12.9km az=171.0.
ISC VII 13 03 47 19.4–.00 38.30N–.09 70.57E–.07 23 3.8b,3.0s 31 3-83
ISCJB VII 13 03 47 17.5–.73 38.28N–.06 70.49E–.07 23 3.7b,2.9s ¶601475777
NNC VII 13 03 47 21.3–2.6 38.56N 70.66E 0 4.6b,4.3
IDC VII 13 03 47 21.2–5.4 38.42N 70.67E 33–36 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.6km az=155.4.
NNC Event type se. Error ellipse: s-maj=20.8km s-min=14.8km az=11.0.
IDC Error ellipse: s-maj=35.3km s-min=15.8km az=12.0.
NNC VII 13 04 16 49.1–2.7 36.98N 71.11E 0 3.6b,3.2
¶601475778

NNC Event type se. Error ellipse: s-maj=21.0km s-min=18.7km az=145.0.
NNC VII 13 09 31 48.9–3.3 37.85N 71.50E 0 4.0b,3.6
¶601475801

NNC Event type se. Error ellipse: s-maj=25.3km s-min=20.6km az=169.0.
NNC VII 14 07 14 55.6–3.6 38.37N 71.33E 0 3.8b,3.4
¶601483776

NNC Event type se. Error ellipse: s-maj=30.2km s-min=28.8km az=105.0.
ISC VII 14 14 19 50.0–1.3 37.10N–.09 71.7E–.10 109 19 3-17
ISCJB VII 14 14 19 49.2–.78 37.10N–.05 71.78E–.10 109 ¶601483785
NNC VII 14 14 19 57.6–4.8 37.60N 71.43E 121–84 3.4,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=159.3.
NNC Event type se. Error ellipse: s-maj=42.5km s-min=38.0km az=63.0.
NNC VII 15 18 47 22.0–3.0 37.06N 70.79E 0 3.8b,3.5
¶601484761

NNC Event type se. Error ellipse: s-maj=25.1km s-min=20.5km az=146.0.
ISC VII 17 12 00 29.1–.39 36.30N–.04 71.16E–.04 100 4.2b 148 2-84
IDC VII 17 12 00 26.8–2.9 36.09N 71.28E 85–26 4.2,3.9 ¶601357567
ISCJB VII 17 12 00 27.2–.25 36.29N–.02 71.21E–.04 100 4.2b,3.9
BJI VII 17 12 00 29.0 36.40N 71.20E 96 4.7b,4.5b
MOS VII 17 12 00 29.6–1.2 36.44N 71.27E 110 4.3b,4.5b
NEIC VII 17 12 00 29.7–.73 36.38N 71.20E 105–7 4.1b,4.5b
NNC VII 17 12 00 34.6–1.9 36.77N 70.98E 151–34 4.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=16.1km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=158.5.
MOS Error ellipse: s-maj=9.6km s-min=4.9km az=86.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.3km az=131.0.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=16.5km az=81.0.
NNC VII 18 05 18 20.2–6.7 37.11N 70.58E 0 3.8b,3.4
¶601497825

NNC Event type se. Error ellipse: s-maj=51.6km s-min=43.5km az=163.0.
NNC VII 18 09 41 41.5–2.8 37.13N 70.62E 0 3.6b,3.2
¶601497833

NNC Event type se. Error ellipse: s-maj=21.6km s-min=19.1km az=173.0.
NNC VII 18 21 34 44.9–2.7 37.25N 70.76E 18–12 3.9b,3.6
¶601497862

NNC Event type se. Error ellipse: s-maj=21.4km s-min=12.8km az=88.0.
NNC VII 19 00 53 57.7–8.7 37.98N 71.75E 0 3.7b,3.3
¶601503024

NNC Event type se. Error ellipse: s-maj=66.9km s-min=51.5km az=167.0.
NNC VII 19 03 44 24.5–3.2 37.08N 71.02E 0 3.7b,3.3
¶601503028

NNC Event type se. Error ellipse: s-maj=25.0km s-min=22.2km az=157.0.
ISC VII 19 07 36 35.4–.18 37.23N–.02 71.37E–.02 101–1 5.6b 1747 3-150
ISCJB VII 19 07 36 32.5–.26 37.19N–.01 71.35E–.01 84–2 5.5b ¶601451990
MOS VII 19 07 36 34.5–.95 37.22N 71.38E 105 5.6b,4.7s
IDC VII 19 07 36 35.6–1.8 37.19N 71.41E 101–16 5.4,5.1
NNC VII 19 07 36 35.1–1.6 37.59N 71.05E 0 6.3b,6.0
NEIC VII 19 07 36 35.5–.11 37.25N 71.38E 98 5.6W,5.6W
GCMT VII 19 07 36 35.5–.10 37.12N 71.19E 111–0 5.7W,5.6W
NEIC VII 19 07 36 36.0–.00 37.28N 71.10E 110 5.7W,5.6W
BJI VII 19 07 36 36.0 37.30N 71.58E 105 5.6b,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=25.0.
MOS Error ellipse: s-maj=4.5km s-min=3.4km az=124.0.
IDC Error ellipse: s-maj=8.8km s-min=6.0km az=6.0.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=9.0km az=164.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=194.0. Felt at Jurm. Also felt at Islamabad, Lahore and Muzaffarabad, Pakistan; Dushanbe, Tajikistan; Zarafshon, Uzbekistan. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.83 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.33 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.04 Best double couple: NP1:ϕ_s90.00000°,δ58.00000° ,λ91.00000°. NP2:ϕ_s268.00000°,δ32.00000°,λ88.00000°. Principal axes: T 3.1300,Plg77.0000°,Azm4.0000°; N -0.0700,Plg1.0000°,Azm270.0000° ; P -3.0600,Plg13.0000°,Azm180.0000° $M_0$3.10000×10^{17}

GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s126,c217; s138,c307;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.43±.04 $M_{\theta\theta}$-3.63±.04; $M_{\phi\phi}$0.20±.04; $M_{r\theta}$1.19±.04; $M_{\theta\phi}$0.40±.04; $M_{\phi r}$-0.31±.03; Best double couple: NP1:ϕ_s99.00000° ,δ55.00000°,λ94.00000°. NP2:ϕ_s273.00000°,δ36.00000°,λ85.00000°. Principal axes: T 3.6420,Plg80.0000°,Azm24.0000°; N 0.2400,Plg3.0000°,Azm277.0000° ; P -3.8730,Plg9.0000°,Azm186.0000° $M_0$3.75800×10^{17}
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}2.83 $M_{\theta\theta}$-2.48 $M_{\phi\phi}$-0.36 $M_{r\theta}$1.35 $M_{\theta\phi}$0.23 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s88.00000° ,δ58.00000°,λ83.00000°. NP2:ϕ_s282.00000°,δ32.00000°,λ102.00000°. Principal axes: T 3.1900,Plg75.0000°,Azm337.0000°; N -0.3800,Plg6.0000°,Azm92.0000° ; P -2.8100,Plg13.0000°,Azm183.0000° $M_0$3.00000×10^{17}
NNC VII 19 12 00 11.2–1.5 37.02N 70.42E 0 4.0b,3.6
¶601503046

NNC Event type se. Error ellipse: s-maj=11.4km s-min=10.3km az=172.0.
NNC VII 19 18 31 40.9–2.9 37.08N 70.76E 0 3.9b,3.5
¶601503055

NNC Event type se. Error ellipse: s-maj=23.2km s-min=20.5km az=144.0.
ISC VII 19 20 00 14.5–1.9 36.5N–.20 71.3E–.10 150 3.9b 30 4-66
IDC VII 19 20 00 13.5–4.1 36.19N 71.52E 170–29 3.9,3.5b ¶601503056
NNC VII 19 20 00 20.8–3.0 37.26N 70.78E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=22.5km az=145.0.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=17.7km az=165.0.
NNC VII 20 00 41 40.6–2.5 37.89N 71.49E 0 4.0b,3.6
¶601513151

NNC Event type se. Error ellipse: s-maj=19.7km s-min=15.6km az=167.0.
ISC VII 20 00 56 51.5–2.0 36.2N–.20 71.2E–.20 200 3.6b 30 4-66
IDC VII 20 00 56 48.9–3.9 35.77N 71.34E 205–29 4.0,3.4 ¶601506021
NNC VII 20 00 57 00.3–1.7 36.84N 71.20E 232–18 3.7,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=46.0km s-min=21.6km az=148.0.
NNC Event type se. Error ellipse: s-maj=18.5km s-min=15.1km az=58.0.
NNC VII 20 12 18 44.2–5.5 37.36N 71.02E 0 4.0b,3.7
¶601513169

NNC Event type se. Error ellipse: s-maj=40.0km s-min=34.0km az=0.0.
ISC VII 21 15 41 20.2–3.2 37.2N–.20 71.7E–.10 109 16 3-15
NNC VII 21 15 41 22.7–5.3 37.39N 71.47E 136–90 4.0,3.1b ¶601517988
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.4km s-min=45.6km az=58.0.
NNC VII 21 17 04 58.4–3.4 37.74N 72.00E 171–41 3.5,2.5b
¶601517990

NNC Event type se. Error ellipse: s-maj=36.7km s-min=27.7km az=59.0.
NNC VII 21 18 36 37.9–2.3 37.05N 70.72E 0 3.5b,3.2
¶601517993

NNC Event type se. Error ellipse: s-maj=20.5km s-min=15.6km az=150.0.
ISC VII 22 01 01 14.5–1.9 38.6N–.10 71.32E–.09 10 3.9b 14 2-42
IDC VII 22 01 01 10.7–3.8 38.47N 71.30E 0 4.0b,3.8 ¶601518277
NNC VII 22 01 01 12.3–2.7 38.31N 71.50E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=67.9km s-min=19.6km az=145.0.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=16.4km az=22.0.
NNC VII 23 20 47 12.3–13 37.14N 70.50E 0 3.9b,3.5
¶601519838

NNC Event type se. Error ellipse: s-maj=104.2km s-min=84.5km az=178.0.
NNC VII 23 23 47 34.5–2.1 37.60N 71.40E 0 3.8b,3.4
¶601519835

NNC Event type se. Error ellipse: s-maj=16.5km s-min=14.1km az=158.0.
NNC VII 24 07 06 36.5–1.7 37.07N 70.51E 0 3.7b,3.3
¶601521374

NNC Event type se. Error ellipse: s-maj=13.1km s-min=12.1km az=173.0.
NNC VII 24 16 05 36.9–3.5 38.06N 71.66E 13–92 3.6b,3.2
¶601521395

NNC Event type se. Error ellipse: s-maj=97.6km s-min=14.0km az=18.0.
NNC VII 25 04 27 37.1–5.6 37.23N 70.80E 0 3.6b,3.2
¶601531673

NNC Event type se. Error ellipse: s-maj=45.3km s-min=36.6km az=156.0.
NNC VII 26 00 52 14.7–5.1 37.09N 70.44E 0 3.7b,3.4
¶601532864

NNC Event type se. Error ellipse: s-maj=41.5km s-min=35.7km az=140.0.
IDC VII 27 07 36 37.8–5.2 36.18N 72.59E 0 3.8,3.8
¶601666511

IDC Error ellipse: s-maj=93.9km s-min=32.8km az=141.0.
NNC VII 27 12 36 44.9–2.9 37.02N 70.69E 0 3.7b,3.3
¶601534001

NNC Event type se. Error ellipse: s-maj=22.4km s-min=18.9km az=171.0.
NNC VII 27 20 47 09.2–8.7 37.85N 71.30E 0 3.6b,3.2
¶601534010

NNC Event type se. Error ellipse: s-maj=65.8km s-min=50.8km az=174.0.
NNC VII 27 22 21 55.3–2.9 37.82N 71.34E 0 4.2b,3.8
¶601534013

NNC Event type se. Error ellipse: s-maj=21.9km s-min=17.6km az=166.0.
ISC VII 28 00 35 11.8–.79 38.54N–.07 71.74E–.06 47 3.8b 44 2-83
IDC VII 28 00 35 06.0–1.1 38.66N 71.83E 0 3.9,3.8b ¶601506070
ISCJB VII 28 00 35 10.7–.59 38.57N–.05 71.59E–.06 47 3.7b,3.8b
NNC VII 28 00 35 11.2–3.2 38.42N 71.75E 102–61 4.0,3.4b
NEIC VII 28 00 35 11.3–.77 38.76N 71.93E 35 4.0b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=13.5km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=141.5.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=20.5km az=10.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.5km az=96.0.
NNC VII 29 00 00 45.7–2.8 37.07N 70.78E 0 3.6b,3.1
¶601553157

NNC Event type se. Error ellipse: s-maj=27.1km s-min=17.1km az=151.0.
ISC VII 29 04 19 59.9–1.0 36.60N–.10 71.28E–.08 150 3.7b 29 4-82
IDC VII 29 04 19 58.5–3.4 36.36N 71.43E 149–28 3.8,3.4 ¶601506078
ISCJB VII 29 04 19 59.9–.95 36.70N–.08 71.24E–.08 150 3.5b,3.4
NNC VII 29 04 20 07.3–4.2 37.29N 71.13E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=19.3km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.2km az=141.1.
NNC Event type se. Error ellipse: s-maj=36.0km s-min=29.9km az=133.0.
ISC VII 29 12 03 46.9–.54 36.64N–.05 71.30E–.06 250 3.5b 59 3-84
IDC VII 29 12 03 43.6–2.6 36.33N 71.29E 213–22 3.9,3.4 ¶601506084
ISCJB VII 29 12 03 47.2–.30 36.65N–.03 71.30E–.05 250 3.5b,3.4
NNC VII 29 12 03 48.1–5.7 37.08N 70.47E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=13.5km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.1km az=152.0.
NNC Event type se. Error ellipse: s-maj=49.1km s-min=36.7km az=154.0.
ISC VII 29 17 26 23.2–1.4 36.22N–.09 71.3E–.10 114 21 4-17
NNC VII 29 17 26 31.5–3.1 36.74N 71.33E 166–49 3.6,2.8b ¶601553189
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.7km s-min=28.7km az=92.0.
ISC VII 29 23 34 20.3–2.1 36.3N–.20 71.3E–.20 119 28 4-66
IDC VII 29 23 34 15.3–5.6 35.89N 71.50E 85–38 3.6,3.3 ¶601553194
ISCJB VII 29 23 34 19.6–1.3 36.4N–.10 71.2E–.10 119 3.5b,3.3
NNC VII 29 23 34 23.5–5.5 37.05N 70.54E 0 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=25.0km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=8.1km az=141.1.
NNC Event type se. Error ellipse: s-maj=51.2km s-min=33.3km az=151.0.
NNC VII 30 03 30 41.1–1.7 37.25N 70.67E 0 3.7b,3.3
¶601553723

NNC Event type se. Error ellipse: s-maj=13.2km s-min=10.5km az=169.0.
NNC VII 31 14 07 57.9–1.8 38.77N 70.25E 0 3.8b,3.4
¶601556880

NNC Event type se. Error ellipse: s-maj=14.0km s-min=10.1km az=44.0.
NNC VIII 01 12 38 56.7–2.6 37.08N 69.69E 0 3.9b,3.5
¶601561647

NNC Event type se. Error ellipse: s-maj=20.2km s-min=17.9km az=9.0.
ISC VIII 01 19 59 31.4–3.5 37.5N–.20 71.7E–.10 35 13 3-14
SOME VIII 01 19 59 29.3 38.23N 71.35E 5 ¶601561657
NNC VIII 01 19 59 32.4–2.4 37.88N 71.60E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=14.7km az=167.0.
ISC VIII 02 13 49 41.0–.75 36.63N–.07 71.05E–.07 188 3.5b 32 4-84
ISCJB VIII 02 13 49 40.5–.52 36.65N–.04 70.90E–.06 188 3.4b ¶601563893
IDC VIII 02 13 49 42.7–2.9 36.54N 71.23E 214–26 3.7,3.2
NNC VIII 02 13 49 45.2–6.7 37.14N 70.72E 0 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=155.9.
IDC Error ellipse: s-maj=24.6km s-min=17.7km az=33.0.
NNC Event type se. Error ellipse: s-maj=65.5km s-min=47.5km az=132.0.
ISC VIII 03 00 33 03.3–3.3 37.3N–.20 71.6E–.10 109 20 3-15
NNC VIII 03 00 33 04.2–3.6 37.66N 71.33E 0 4.2b,4.0 ¶601564445
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=22.4km az=169.0.
NNC VIII 03 15 16 19.5–7.5 37.60N 71.37E 0 3.6b,3.3
¶601564492
NNC Event type se. Error ellipse: s-maj=57.6km s-min=45.4km az=173.0.
ISC VIII 04 01 27 14.8–3.3 37.5N–.20 71.9E–.10 130 15 3-15
NNC VIII 04 01 27 18.9–1.4 37.82N 72.01E 178–19 3.8,2.8b ¶601565148
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=11.6km az=68.0.
ISC VIII 05 10 35 30.5–.81 36.44N–.08 71.26E–.08 150 3.6b 31 4-84
ISCJB VIII 05 10 35 30.5–.53 36.45N–.05 71.06E–.08 150 3.6b ¶601565820
IDC VIII 05 10 35 30.2–3.5 36.26N 71.21E 153–30 3.8,3.4b
NNC VIII 05 10 35 37.9–2.9 37.26N 70.93E 0 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=143.0.
IDC Error ellipse: s-maj=27.5km s-min=20.7km az=4.0.
NNC Event type se. Error ellipse: s-maj=24.7km s-min=19.9km az=150.0.
ISC VIII 06 04 55 27.2–.36 36.63N–.04 71.57E–.05 114 4.2b 165 3-84
IDC VIII 06 04 55 22.2–3.0 36.40N 71.50E 66–25 4.1,4.0L ¶601520353
MOS VIII 06 04 55 25.7–1.2 36.67N 71.48E 109 4.2b,4.0L
ISCJB VIII 06 04 55 25.5–.20 36.62N–.02 71.62E–.04 114 4.3b,4.0L
NEIC VIII 06 04 55 26.3–.59 36.65N 71.44E 99–6 4.4b,4.0L
BJI VIII 06 04 55 30.8 36.72N 71.97E 115 4.6b,4.4b
NNC VIII 06 04 55 31.2–3.3 37.06N 71.13E 165–46 4.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=14.9km az=179.0.
MOS Error ellipse: s-maj=9.1km s-min=5.1km az=91.2.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=158.8.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.5km az=114.0.
NNC Event type se. Error ellipse: s-maj=37.0km s-min=29.3km az=85.0.
NNC VIII 06 18 20 44.3–1.6 36.86N 71.14E 150–87 3.6,2.7b
¶601566295
NNC Event type se. Error ellipse: s-maj=48.7km s-min=12.7km az=72.0.
ISC VIII 06 21 51 39.5–1.3 37.07N–.08 71.6E–.10 109 30 3-16
ISCJB VIII 06 21 51 40.2–.89 37.05N–.04 71.8E–.10 109 ¶601566300
NNC VIII 06 21 51 47.5–3.1 37.56N 71.47E 121–49 4.2,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=5.2km az=165.0.
NNC Event type se. Error ellipse: s-maj=31.5km s-min=25.5km az=126.0.
ISC VIII 07 07 25 12.8–.62 37.31N–.05 70.03E–.07 30 3.5b 32 4-85
IDC VIII 07 07 25 08.5–1.1 37.27N 70.33E 0 3.8,3.7 ¶601589322
ISCJB VIII 07 07 25 12.6–.58 37.44N–.06 69.83E–.08 30 3.5b,3.7
NNC VIII 07 07 25 13.4–2.2 37.53N 70.07E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=17.7km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=8.4km az=23.3.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=18.2km az=156.0.
NNC VIII 07 17 07 19.0–3.4 37.53N 70.05E 0 4.0b,3.6
¶601589351
NNC Event type se. Error ellipse: s-maj=32.3km s-min=26.4km az=140.0.
ISC VIII 07 18 40 42.7–.66 37.03N–.05 71.63E–.07 106 3.9b 55 3-81
ISCJB VIII 07 18 40 42.7–.47 37.03N–.03 71.59E–.07 106 3.9b ¶601589353
IDC VIII 07 18 40 43.0–5.3 36.91N 71.77E 103–40 3.9,3.6
NNC VIII 07 18 40 49.0–1.9 37.45N 71.39E 129–33 4.1,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=159.9.
IDC Error ellipse: s-maj=49.0km s-min=31.9km az=155.0.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=14.8km az=58.0.
NNC VIII 08 21 34 07.3–5.0 37.53N 71.13E 0 3.7b,3.3
¶601610380
NNC Event type se. Error ellipse: s-maj=38.5km s-min=32.4km az=169.0.
NNC VIII 09 08 34 04.0–4.5 37.80N 71.37E 0 3.6b,3.2
¶601614456
NNC Event type se. Error ellipse: s-maj=34.1km s-min=28.0km az=9.0.
NNC VIII 09 22 40 57.7–2.8 37.11N 69.95E 0 3.9b,3.5
¶601614429
NNC Event type se. Error ellipse: s-maj=21.2km s-min=18.8km az=6.0.
NNC VIII 10 21 20 56.6–11 37.22N 70.40E 0 3.6b,3.2
¶601615431
NNC Event type se. Error ellipse: s-maj=86.1km s-min=68.7km az=170.0.
NNC VIII 10 21 44 07.8–1.6 36.86N 71.02E 171–28 3.7,2.7b
¶601615432
NNC Event type se. Error ellipse: s-maj=18.7km s-min=14.8km az=81.0.
NNC VIII 11 09 31 51.3–3.3 37.05N 70.45E 0 3.6b,3.2
¶601625730
NNC Event type se. Error ellipse: s-maj=25.0km s-min=20.9km az=178.0.
NNC VIII 11 14 43 47.7–4.6 37.53N 71.20E 0 3.7b,3.3
¶601625743
NNC Event type se. Error ellipse: s-maj=35.6km s-min=27.3km az=175.0.
NNC VIII 12 09 11 31.8–3.6 38.18N 71.84E 0 3.7b,3.0
¶601626413
NNC Event type se. Error ellipse: s-maj=28.4km s-min=25.3km az=25.0.
NNC VIII 12 11 25 27.9–2.8 37.81N 71.31E 0 3.8b,3.4
¶601626420
NNC Event type se. Error ellipse: s-maj=22.0km s-min=16.2km az=1.0.
NNC VIII 14 07 13 22.8–1.9 37.10N 70.84E 0 3.6b,3.2
¶601628132
NNC Event type se. Error ellipse: s-maj=14.1km s-min=12.7km az=164.0.
NNC VIII 15 06 07 37.3–2.1 37.41N 70.28E 0 3.9b,3.5
¶601629601
NNC Event type se. Error ellipse: s-maj=17.4km s-min=15.0km az=87.0.
ISC VIII 16 02 44 41.7–1.4 37.28N–.09 71.6E–.10 109 25 3-16
ISCJB VIII 16 02 44 42.2–.89 37.17N–.06 71.7E–.10 109 ¶601645439
NNC VIII 16 02 44 49.8–6.4 37.73N 71.27E 72–194 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.7km az=155.7.
NNC Event type se. Error ellipse: s-maj=57.5km s-min=49.7km az=90.0.
NNC VIII 16 20 02 33.6–4.6 37.36N 70.90E 0 3.9b,3.6
¶601645476
NNC Event type se. Error ellipse: s-maj=37.1km s-min=28.1km az=163.0.
ISC VIII 17 16 04 35.2–1.5 36.49N–.09 71.3E–.20 200 33 4-17
ISCJB VIII 17 16 04 36.2–1.0 36.51N–.05 71.4E–.10 200 ¶601664071
NNC VIII 17 16 04 41.0–2.2 36.92N 71.23E 222–24 4.1,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=4.8km az=164.7.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=17.2km az=51.0.
NNC VIII 17 16 33 45.9–2.4 37.01N 71.06E 159–35 3.6,2.7b
¶601664073
NNC Event type se. Error ellipse: s-maj=23.6km s-min=19.2km az=60.0.
NNC VIII 17 18 58 33.4–3.5 37.11N 70.63E 0 3.6b,3.2
¶601664075
NNC Event type se. Error ellipse: s-maj=27.5km s-min=26.6km az=52.0.
NNC VIII 17 19 47 46.6–2.2 37.10N 70.63E 0 3.7b,3.3
¶601664076
NNC Event type se. Error ellipse: s-maj=16.6km s-min=15.4km az=177.0.

NNC VIII 18 00 45 42.6–3.6 36.97N 71.13E 176–56 3.5,2.5b
¶601668037
NNC Event type se. Error ellipse: s-maj=40.5km s-min=34.5km az=77.0.
NNC VIII 18 22 43 21.6–5.2 37.45N 71.28E 114–146 3.5,2.8b
¶601668076
NNC Event type se. Error ellipse: s-maj=63.3km s-min=42.0km az=99.0.
NNC VIII 19 19 58 54.1–4.9 37.99N 69.37E 16–18 3.8b,3.4
¶601669936
NNC Event type se. Error ellipse: s-maj=33.2km s-min=20.8km az=30.0.
NNC VIII 20 07 19 11.1–1.9 37.38N 68.89E 0 3.8b,3.4
¶601671343
NNC Event type se. Error ellipse: s-maj=13.8km s-min=12.2km az=30.0.
ISC VIII 21 07 38 15.5–3.7 37.6N–.20 70.30E–.10 10 13 3-6
SOME VIII 21 07 38 17.3 37.67N 70.53E 5 ¶601673417
NNC VIII 21 07 38 21.1–4.0 37.02N 70.36E 0 4.0b,3.6
ISC Event type ke.
NNC Error ellipse: s-maj=30.8km s-min=26.8km az=173.0.
ISC VIII 21 07 45 18.5–.74 36.58N–.07 71.01E–.09 200 3.6b 47 4-84
IDC VIII 21 07 45 16.1–3.8 36.28N 70.95E 186–32 3.8,3.5 ¶601673416
ISCJB VIII 21 07 45 18.1–.52 36.60N–.04 70.94E–.08 200 3.4b,3.5
SOME VIII 21 07 45 18.7 37.83N 70.23E 5 3.4b,3.5
NNC VIII 21 07 45 26.6–2.7 37.23N 71.12E 229–36 3.9,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=17.6km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.6km az=160.3.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=22.2km az=57.0.
NNC VIII 22 10 10 39.2–4.2 37.29N 70.80E 0 3.7b,3.3
¶601674846
NNC Event type se. Error ellipse: s-maj=32.0km s-min=27.9km az=169.0.
NNC VIII 22 13 27 20.1–4.7 37.04N 70.70E 0 3.9b,3.5
¶601674860
NNC Event type se. Error ellipse: s-maj=43.6km s-min=33.2km az=142.0.
NNC VIII 22 20 08 23.6–3.8 38.86N 70.23E 0 3.5b,3.1
¶601674867
NNC Event type se. Error ellipse: s-maj=34.9km s-min=20.4km az=1.0.
ISC VIII 24 22 17 04.4–3.3 37.4N–.20 71.7E–.10 109 20 3-15
NNC VIII 24 22 17 03.8–2.6 37.72N 71.54E 0 4.0b,3.8 ¶601687063
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=15.2km az=164.0.
NNC VIII 24 22 20 00.1–5.1 37.80N 71.42E 0 3.5b,3.2
¶601687062
NNC Event type se. Error ellipse: s-maj=38.4km s-min=29.6km az=178.0.
NNC VIII 25 21 14 43.5–1.3 37.53N 71.61E 133–25 3.8,2.9b
¶601695583
NNC Event type se. Error ellipse: s-maj=16.6km s-min=10.5km az=73.0.
ISC VIII 27 04 05 45.0–2.2 37.3N–.10 70.79E–.09 68 20 3-40
IDC VIII 27 04 05 35.3–23 36.24N 71.58E 67–108 3.8,3.7L ¶601697102
NNC VIII 27 04 05 46.3–2.0 37.41N 70.93E 151–35 3.4,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=246.0km s-min=59.5km az=1.0.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=15.2km az=63.0.
NNC VIII 27 21 02 21.8–4.7 37.01N 70.49E 0 3.7b,3.3
¶601697064
NNC Event type se. Error ellipse: s-maj=38.4km s-min=32.8km az=136.0.
NNC VIII 28 01 05 36.9–2.3 37.08N 70.62E 0 3.7b,3.3
¶601702708
NNC Event type se. Error ellipse: s-maj=17.3km s-min=15.1km az=172.0.
ISC VIII 28 15 19 37.1–2.9 36.9N–.20 71.3E–.10 200 14 4-41
IDC VIII 28 15 19 15.5–8.7 35.84N 71.31E 0 3.9b,3.7 ¶601702745
NNC VIII 28 15 19 34.3–3.6 36.95N 70.75E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=128.0km s-min=42.1km az=164.0.
NNC Event type se. Error ellipse: s-maj=29.4km s-min=25.5km az=135.0.
NNC VIII 28 19 06 36.6–5.3 37.51N 71.38E 0 3.6b,3.2
¶601702747
NNC Event type se. Error ellipse: s-maj=40.3km s-min=33.5km az=170.0.
NNC VIII 30 21 55 13.1–10 37.97N 71.03E 0 3.6b
¶601712316
NNC Event type se. Error ellipse: s-maj=76.2km s-min=52.2km az=0.0.
NNC VIII 31 01 18 26.1–1.8 37.13N 70.45E 0 3.5b,3.1
¶601713899
NNC Event type se. Error ellipse: s-maj=13.7km s-min=12.2km az=178.0.
NNC VIII 31 16 46 07.8–1.7 37.73N 71.70E 146–23 3.5,2.6b
¶601713929
NNC Event type se. Error ellipse: s-maj=17.0km s-min=13.3km az=72.0.
ISC VIII 31 17 36 59.2–2.8 37.0N–.20 71.1E–.10 200 19 4-16
NNC VIII 31 17 36 57.7–2.0 36.92N 71.03E 180–27 3.9,2.8b ¶601713930
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=15.8km az=66.0.
NNC IX 01 00 43 41.6–3.2 38.78N 70.14E 0 3.7b,3.3
¶601717320
NNC Event type se. Error ellipse: s-maj=23.7km s-min=15.5km az=31.0.
NNC IX 01 09 03 08.6–3.3 37.01N 70.63E 0 3.7b,3.4
¶601717331
NNC Event type se. Error ellipse: s-maj=26.2km s-min=23.1km az=145.0.
NNC IX 01 11 48 57.0–4.2 37.14N 70.40E 0 3.6b,3.2
¶601717338
NNC Event type se. Error ellipse: s-maj=32.1km s-min=26.5km az=0.0.
NNC IX 01 12 55 54.5–2.2 37.06N 70.80E 0 3.5b,3.1
¶601717340
NNC Event type se. Error ellipse: s-maj=17.2km s-min=15.1km az=166.0.
NNC IX 01 16 43 04.7–1.9 37.07N 70.51E 0 3.8b,3.5
¶601717345
NNC Event type se. Error ellipse: s-maj=14.3km s-min=11.9km az=176.0.
NNC IX 01 20 02 46.5–10 37.52N 71.73E 0 3.6b,3.2
¶601717348
NNC Event type se. Error ellipse: s-maj=82.5km s-min=66.4km az=154.0.
NNC IX 02 06 16 09.5–4.2 37.13N 70.57E 0 4.0b,3.6
¶601717883
NNC Event type se. Error ellipse: s-maj=33.0km s-min=28.0km az=174.0.
NNC IX 03 05 58 55.1–4.3 37.66N 71.24E 0 3.7b,3.4
¶601718533
NNC Event type se. Error ellipse: s-maj=39.0km s-min=23.9km az=150.0.
NNC IX 04 13 04 15.0–6.6 38.02N 71.67E 0 3.5b,3.1
¶601721769
NNC Event type se. Error ellipse: s-maj=50.5km s-min=38.6km az=171.0.
ISC IX 04 16 53 27.0–3.3 38.8N–.10 70.6E–.10 23 14 1-6
KRNET IX 04 16 53 21.8–.10 38.67N 70.50E 2.9b ¶601721776
NNC IX 04 16 53 25.1–6.0 38.54N 70.54E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.7km s-min=36.3km az=31.0.
NNC IX 05 02 20 04.7–10 37.22N 70.60E 0 3.6b,3.2
¶601724819
NNC Event type se. Error ellipse: s-maj=78.9km s-min=63.0km az=179.0.
ISC IX 05 04 40 05.3–.69 36.57N–.06 71.1E–.10 200 3.6b 31 3-84
IDC IX 05 04 40 01.6–4.6 36.27N 70.87E 165–40 3.8,3.4 ¶601724821
ISCJB IX 05 04 40 04.3–.45 36.53N–.04 71.01E–.10 200 3.4b,3.4
NNC IX 05 04 40 06.4–2.8 37.07N 70.36E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=16.6km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.5km az=178.7.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=17.6km az=156.0.
ISC IX 05 14 24 56.0–.74 36.43N–.06 71.06E–.06 150 3.7b 43 3-81
IDC IX 05 14 24 50.8–4.7 36.14N 71.25E 95–30 3.9,3.6 ¶601724851
ISCJB IX 05 14 24 54.1–.45 36.33N–.04 71.19E–.05 150 4.0b,3.6
NEIC IX 05 14 24 55.8–.86 36.44N 71.05E 135–14 4.3b,3.6
NNC IX 05 14 24 55.7–2.3 36.86N 70.66E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=18.4km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=155.9.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.2km az=104.0.

NNC Event type se. Error ellipse: s-maj=18.7km s-min=13.7km az=161.0.
ISC IX 05 17 59 27.8–2.0 37.06N–.09 71.4E–.20 109 17 3-15
ISCJB IX 05 17 59 28.0–1.5 37.02N–.06 71.6E–.20 109 ¶601724855
NNC IX 05 17 59 33.5–3.2 37.67N 71.28E 0 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=7.2km az=166.8.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=19.7km az=168.0.
ISC IX 06 19 28 21.8–.91 36.56N–.07 71.25E–.08 150 3.6b 48 4-82
IDC IX 06 19 28 16.8–3.4 36.22N 71.16E 104–29 3.9,3.6 ¶601731813
ISCJB IX 06 19 28 19.8–.46 36.41N–.04 71.21E–.06 150 3.6b,3.6
NNC IX 06 19 28 24.7–1.9 36.80N 71.04E 153–29 4.5,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=17.4km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=150.7.
NNC Event type se. Error ellipse: s-maj=17.4km s-min=16.6km az=60.0.
ISC IX 07 11 01 57.7–.51 36.75N–.05 71.35E–.06 200 3.6b 88 3-84
IDC IX 07 11 01 53.2–2.8 36.40N 71.26E 160–24 4.1,3.7 ¶601735358
MOS IX 07 11 01 55.4–1.1 36.67N 71.37E 180 4.2b,3.7
ISCJB IX 07 11 01 56.6–.33 36.76N–.03 71.43E–.05 200 3.6b,3.7
NNC IX 07 11 02 00.8–1.1 37.07N 71.25E 186–13 4.6,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=13.9km az=178.0.
MOS Error ellipse: s-maj=15.5km s-min=6.5km az=89.2.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=170.4.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=10.4km az=83.0.
NNC IX 07 15 49 18.3–2.8 36.80N 71.11E 150–57 3.8,2.9b
¶601735364

NNC Event type se. Error ellipse: s-maj=42.2km s-min=25.4km az=88.0.
NNC IX 08 13 02 03.2–2.6 37.46N 70.25E 0 3.6b,3.2
¶601736148

NNC Event type se. Error ellipse: s-maj=24.7km s-min=18.3km az=156.0.
NNC IX 08 23 16 22.6–3.5 37.09N 70.58E 0 3.8b,3.5
¶601736161

NNC Event type se. Error ellipse: s-maj=28.4km s-min=24.4km az=138.0.
NNC IX 10 09 18 26.6–3.1 37.92N 71.55E 0 3.7b,3.3
¶601738028

NNC Event type se. Error ellipse: s-maj=23.9km s-min=20.5km az=174.0.
NNC IX 11 09 11 49.4–1.8 37.77N 71.33E 0 3.8b,3.3
¶601739200

NNC Event type se. Error ellipse: s-maj=13.9km s-min=12.1km az=166.0.
NNC IX 11 17 05 35.3–6.8 38.22N 70.34E 0 3.8b,3.5
¶601739216

NNC Event type se. Error ellipse: s-maj=55.5km s-min=41.8km az=169.0.
ISC IX 12 19 29 55.2–.34 36.69N–.03 71.39E–.03 187–3 5.1b 897 3-150
ISCJB IX 12 19 29 53.5–.23 36.68N–.01 71.42E–.02 179–2 5.1b ¶601712521
MOS IX 12 19 29 54.1–.92 36.69N 71.47E 188 5.3b
BJI IX 12 19 29 54.1 36.84N 71.38E 182 4.9b,4.9b
IDC IX 12 19 29 56.1–.62 36.64N 71.50E 197–5 5.1,4.7
NEIC IX 12 19 29 56.2–.15 36.70N 71.44E 192 5.1b,4.7
GCMT IX 12 19 29 57.2–.20 36.76N–.02 71.36E–.02 198–2 5.0W,4.7
NNC IX 12 19 29 57.0–2.8 37.04N 71.17E 187–36 5.5,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=33.3.
MOS Error ellipse: s-maj=5.2km s-min=3.6km az=112.7.
IDC Error ellipse: s-maj=9.3km s-min=7.1km az=9.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=3.0km az=184.0. Felt at Kabul. Also felt at Dir, Pakistan and at Dushanbe, Tajikistan.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c36; s93,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.11 $M_{\theta\theta}$-0.41±.14; $M_{\phi\phi}$-2.66±.13; $M_{r\theta}$-0.79±.10; $M_{\theta\phi}$-1.24±.13; $M_{\phi r}$2.04±.10; Best double couple: NP1:ϕ_s2.00000°,δ62.00000°,λ68.00000°. NP2:ϕ_s223.00000°,δ35.00000°,λ125.00000°. Principal axes: T 4.0120,Plg66.0000° ,Azm232.0000°; N -0.4120,Plg19.0000°,Azm13.0000°; P -3.6050,Plg14.0000° ,Azm108.0000° $M_0$3.80800×10^{16}
NNC Event type se. Error ellipse: s-maj=29.4km s-min=15.1km az=164.0.
NNC IX 12 21 25 24.6–9.6 37.03N 69.77E 18–310 4.1b,3.7
¶601740148

NNC Event type se. Error ellipse: s-maj=318.9km s-min=34.2km az=25.0.
NNC IX 13 14 38 06.0–5.4 37.14N 69.75E 0 3.6b,3.2
¶601742106

NNC Event type se. Error ellipse: s-maj=41.3km s-min=35.0km az=177.0.
NNC IX 13 18 19 45.0–4.7 37.69N 71.47E 0 3.5b,3.1
¶601742111

NNC Event type se. Error ellipse: s-maj=35.9km s-min=28.7km az=165.0.
NNC IX 14 02 26 19.0–8.4 37.54N 70.84E 0 3.6b,3.2
¶601751666

NNC Event type se. Error ellipse: s-maj=61.8km s-min=54.3km az=13.0.
ISC IX 14 11 21 00.0–2.0 37.5N–.10 71.5E–.10 109 4.1b 22 3-58
IDC IX 14 11 20 33.2–9.0 35.92N 72.56E 0 4.5L,4.2 ¶601751695
NNC IX 14 11 20 59.8–2.3 37.49N 71.52E 122–45 3.5,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=203.7km s-min=152.4km az=70.0.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=18.3km az=76.0.
NNC IX 16 04 30 39.0–2.1 37.60N 71.75E 184–23 3.5,2.5b
¶601768488

NNC Event type se. Error ellipse: s-maj=20.5km s-min=17.3km az=63.0.
ISC IX 17 02 13 12.0–3.9 37.7N–.20 71.6E–.10 10 16 3-19
IDC IX 17 02 12 30.0–1.9 33.94N 73.35E 0 3.8,3.7 ¶601768951
NNC IX 17 02 13 11.3–3.5 37.79N 71.30E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=30.9km az=79.0.
NNC Event type se. Error ellipse: s-maj=26.6km s-min=22.1km az=172.0.
NNC IX 17 12 21 45.7–3.5 37.00N 70.31E 0 3.9b,3.5
¶601768980

NNC Event type se. Error ellipse: s-maj=27.3km s-min=23.8km az=159.0.
NNC IX 17 21 30 56.1–3.4 37.89N 71.53E 0 3.9b,3.5
¶601768990

NNC Event type se. Error ellipse: s-maj=25.6km s-min=20.9km az=169.0.
NNC IX 18 08 33 13.9–1.6 38.89N 71.40E 9–6 3.7b,3.3
¶601775936

NNC Event type se. Error ellipse: s-maj=12.1km s-min=10.1km az=9.0.
NNC IX 18 18 17 51.0–3.5 37.33N 71.04E 0 4.0b,3.6
¶601775960

NNC Event type se. Error ellipse: s-maj=27.1km s-min=23.9km az=153.0.
NNC IX 19 06 43 34.7–6.6 36.89N 71.09E 0 3.5b,3.1
¶601779426

NNC Event type se. Error ellipse: s-maj=78.7km s-min=42.9km az=122.0.
ISC IX 19 17 26 28.3–3.0 37.1N–.20 71.4E–.10 106 20 3-19
IDC IX 19 17 25 26.6–12 32.52N 70.58E 0 3.5,3.5 ¶601779452
NNC IX 19 17 26 32.0–2.9 37.66N 71.18E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=182.9km s-min=46.6km az=169.0.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=18.5km az=149.0.
NNC IX 20 10 44 00.5–3.8 37.26N 71.02E 0 3.9b,3.6
¶601781291

NNC Event type se. Error ellipse: s-maj=29.3km s-min=25.9km az=147.0.
ISC IX 21 17 19 04.9–.36 36.46N–.04 71.28E–.04 114 4.5b 265 3-150
IDC IX 21 17 18 58.5–3.3 36.25N 71.29E 54–30 4.2L,4.1 ¶601735824
MOS IX 21 17 19 03.9–1.2 36.56N 71.39E 106 4.5b,4.1
BJI IX 21 17 19 03.3 36.51N 71.29E 96 4.4b,4.3b
ISCJB IX 21 17 19 03.8–.17 36.46N–.02 71.44E–.03 114 4.4b,4.3b
NEIC IX 21 17 19 04.2–.56 36.51N 71.33E 99–5 4.6b,4.3b
NNC IX 21 17 19 06.2–2.0 36.78N 70.80E 139–22 5.1,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=13.3km az=15.0.
MOS Error ellipse: s-maj=6.4km s-min=4.2km az=97.7.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=4.1.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=179.0.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=12.2km az=157.0.
ISC IX 21 19 29 12.2–1.8 36.54N–.08 71.1E–.20 150 18 4-16
NNC IX 21 19 29 20.4–2.8 37.26N 71.02E 0 3.9b,3.5 ¶601783701

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=19.7km az=139.0.
NNC IX 22 12 44 47.4–4.0 37.73N 71.24E 0 3.9b,3.5
¶601792364

NNC Event type se. Error ellipse: s-maj=30.0km s-min=24.2km az=172.0.
NNC IX 22 18 44 50.4–18 37.04N 70.22E 0 3.5b,3.1
¶601792374

NNC Event type se. Error ellipse: s-maj=142.8km s-min=116.2km az=0.0.
NNC IX 24 09 56 30.3–3.1 37.49N 71.41E 0 3.5b,3.1
¶601794637

NNC Event type se. Error ellipse: s-maj=23.9km s-min=20.7km az=150.0.
ISC IX 24 12 46 02.1–1.0 37.12N–.08 71.5E–.10 106 3.6b 26 3-82
IDC IX 24 12 46 00.2–10 37.05N 71.42E 77–87 3.6,3.4 ¶601794644
ISCJB IX 24 12 46 01.5–.69 37.15N–.05 71.5E–.10 106 3.6b,3.4
NNC IX 24 12 46 03.8–5.9 37.63N 70.77E 232–66 3.5,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=80.0km s-min=29.6km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=164.4.
NNC Event type se. Error ellipse: s-maj=61.0km s-min=47.3km az=57.0.
ISC IX 24 21 55 39.4–.48 37.33N–.06 69.71E–.06 50 3.8b 77 4-86
IDC IX 24 21 55 32.3–.77 36.99N 69.73E 0 4.1,3.9 ¶601794656
MOS IX 24 21 55 36.8–1.6 37.18N 69.73E 33 4.1b,3.9
ISCJB IX 24 21 55 37.9–.35 37.25N–.04 69.62E–.04 50 3.8b,3.9
NEIC IX 24 21 55 38.8–1.3 37.24N 69.71E 42–14 4.0b,3.9
NNC IX 24 21 55 42.5–4.6 37.68N 69.47E 22–29 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=13.6km az=3.0.
MOS Error ellipse: s-maj=11.8km s-min=6.4km az=82.5.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.5km az=164.1.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.1km az=190.0.
NNC Event type se. Error ellipse: s-maj=24.4km s-min=14.4km az=174.0.
NNC IX 25 01 26 41.6–10 37.72N 71.10E 0 3.9b,3.5
¶601795527

NNC Event type se. Error ellipse: s-maj=77.9km s-min=60.6km az=174.0.
ISC IX 25 02 46 40.8–1.5 36.7N–.10 71.05E–.09 188 3.4b 23 4-66
IDC IX 25 02 46 33.0–9.7 36.05N 71.41E 160–97 3.8,3.3 ¶601795529
ISCJB IX 25 02 46 39.6–1.4 36.6N–.10 71.25E–.08 188 3.5b,3.3
NNC IX 25 02 46 42.9–3.3 37.15N 70.70E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=59.9km s-min=52.5km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=7.7km az=155.8.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=20.0km az=159.0.
NNC IX 25 10 37 49.9–2.8 37.77N 71.32E 0 3.8b,3.4
¶601795549

NNC Event type se. Error ellipse: s-maj=21.0km s-min=17.5km az=170.0.
ISC IX 25 18 50 12.8–1.5 36.56N–.08 71.3E–.20 150 18 4-84
ISCJB IX 25 18 50 14.0–1.3 36.64N–.05 71.5E–.20 150 2.8b ¶601795567
NNC IX 25 18 50 20.0–3.0 37.26N 71.10E 0 3.9b,3.5
IDC IX 25 18 50 39.3–29 37.33N 72.09E 384–265 3.4,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=6.2km az=169.9.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=19.9km az=155.0.
IDC Error ellipse: s-maj=301.0km s-min=111.8km az=66.0.
ISC IX 26 05 20 03.2–.64 38.11N–.05 70.40E–.06 10 3.7b 41 3-83
IDC IX 26 05 20 02.0–1.1 38.03N 70.40E 0 4.0,3.8 ¶601819436
NNC IX 26 05 20 03.7–.83 38.29N 70.15E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=15.8km az=151.0.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=5.0.
ISC IX 26 10 34 14.7–.85 36.98N–.07 71.88E–.08 142 3.6b 32 3-66
IDC IX 26 10 33 52.5–2.5 35.47N 72.09E 0 3.8,3.7 ¶601819451
ISCJB IX 26 10 34 14.7–.64 36.95N–.05 71.65E–.09 142 3.5b,3.7
NNC IX 26 10 34 23.3–1.8 37.56N 71.75E 180–19 3.9,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=70.5km s-min=25.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=154.9.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=14.9km az=57.0.
NNC IX 26 17 28 05.9–3.2 37.61N 71.35E 0 3.6b,3.2
¶601819458

NNC Event type se. Error ellipse: s-maj=24.0km s-min=19.9km az=170.0.
ISC IX 26 22 37 20.5–.66 36.44N–.06 71.26E–.06 100 3.8b 51 4-82
IDC IX 26 22 37 18.8–4.0 36.30N 71.34E 76–34 3.9,3.7 ¶601819462
ISCJB IX 26 22 37 19.6–.44 36.35N–.04 71.18E–.05 100 3.7b,3.7
NNC IX 26 22 37 27.8–1.6 36.88N 71.00E 153–17 4.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=23.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.0km az=143.7.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=10.4km az=161.0.
NNC IX 26 23 39 22.2–2.4 37.37N 70.83E 0 3.6b,3.3
¶601819463

NNC Event type se. Error ellipse: s-maj=19.7km s-min=16.3km az=156.0.
NNC IX 28 04 20 22.3–2.8 37.07N 70.89E 0 3.9b,3.5
¶601828789

NNC Event type se. Error ellipse: s-maj=23.1km s-min=19.3km az=134.0.
NNC IX 28 09 32 03.5–4.1 37.15N 70.79E 0 3.5b,3.2
¶601828807

NNC Event type se. Error ellipse: s-maj=32.0km s-min=28.4km az=147.0.
ISC IX 29 04 25 07.4–.60 38.40N–.05 70.52E–.05 23 3.7b,3.1s 78 1-91
BJI IX 29 04 25 03.3 39.25N 69.86E 24 4.3L,4.2b ¶601790307
IDC IX 29 04 25 04.8–1.0 38.39N 70.55E 0 4.0,3.9
KRNET IX 29 04 25 06.2–.10 38.74N 70.48E 3.6b,3.9
NNC IX 29 04 25 08.4–2.4 38.70N 70.36E 0 4.7b,4.3
MOS IX 29 04 25 10.1–1.1 38.74N 70.27E 33 4.0b,4.3
NEIC IX 29 04 25 10.1–2.3 38.71N 70.42E 24–17 4.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.5km az=161.0.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=17.2km az=167.0.
MOS Error ellipse: s-maj=10.6km s-min=6.3km az=84.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.1km az=174.0.
NNC IX 29 09 25 05.6–6.0 37.23N 70.80E 0 3.6b,3.3
¶601830191

NNC Event type se. Error ellipse: s-maj=52.8km s-min=37.6km az=157.0.
ISC IX 30 07 14 33.5–.40 37.98N–.03 71.51E–.04 10 4.1b,2.9s 113 3-82
IDC IX 30 07 14 32.7–.97 37.94N 71.53E 0 4.1,4.0 ¶601768549
ISCJB IX 30 07 14 33.9–.31 38.12N–.03 71.41E–.04 10 4.0b,2.9s
NNC IX 30 07 14 39.7–.88 38.47N 71.13E 7–4 4.5b,4.2
BJI IX 30 07 14 39.8 38.30N 71.30E 42 4.4b,4.1L
MOS IX 30 07 14 40.9–1.2 38.36N 71.40E 60 4.4b,4.1L
NEIC IX 30 07 14 41.8–.69 38.33N 71.39E 51–8 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=13.8km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=8.3.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=4.7km az=157.0.
MOS Error ellipse: s-maj=7.9km s-min=5.2km az=90.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.6km az=141.0.
NNC IX 30 19 12 35.0–2.8 37.03N 70.84E 0 3.7b,3.2
¶601833092

NNC Event type se. Error ellipse: s-maj=24.0km s-min=20.7km az=131.0.
ISC X 01 08 20 01.5–.74 36.16N–.07 71.09E–.07 102 3.8b 41 4-66
IDC X 01 08 19 48.1–3.5 35.57N 71.18E 0 3.8,3.8 ¶601833095
ISCJB X 01 08 20 01.3–.58 36.17N–.04 71.07E–.08 102 3.7b,3.8
NNC X 01 08 20 11.1–2.9 36.83N 71.08E 171–44 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=64.6km s-min=28.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.1km az=155.2.
NNC Event type se. Error ellipse: s-maj=31.9km s-min=26.3km az=86.0.
NNC X 01 09 58 33.9–3.6 38.37N 71.35E 0 3.8b,3.4
¶601833823

NNC Event type se. Error ellipse: s-maj=25.6km s-min=19.9km az=22.0.
ISC X 02 07 21 43.9–1.8 36.7N–.10 71.0E–.10 188 15 4-66
IDC X 02 07 21 41.3–12 36.19N 71.37E 201–135 3.7,3.2b ¶601835629

ISCJB X 02 07 21 45.8–1.6 36.8N–.10 71.0E–.10 188 3.4b,3.2b
NNC X 02 07 21 48.6–6.1 36.98N 70.77E 162–114 3.3,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=87.8km s-min=63.4km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=11.9km az=135.8.
NNC Event type se. Error ellipse: s-maj=59.3km s-min=49.3km az=56.0.
NNC X 02 13 26 14.0–4.8 37.94N 71.73E 0 3.6b,3.1
¶601835645

NNC Event type se. Error ellipse: s-maj=37.1km s-min=30.9km az=158.0.
ISC X 02 19 16 01.9–.26 37.11N–.03 71.84E–.03 142–2 4.6b 527 3-84
BJI X 02 19 15 59.5 37.18N 71.85E 123 4.8b,4.6b **¶601778082**
MOS X 02 19 16 00.6–.93 37.17N 71.91E 141 4.8b,4.6b
ISCJB X 02 19 16 00.1–.26 37.12N–.02 71.92E–.02 139–3 4.6b,4.6b
NNC X 02 19 16 02.2–3.2 37.30N 71.53E 156–35 5.0,4.2b
NEIC X 02 19 16 02.3–.15 37.18N 71.91E 145 4.7b,4.2b
IDC X 02 19 16 02.5–.38 37.07N 71.86E 147–3 4.4,4.1
ISC Event type se.
MOS Error ellipse: s-maj=5.6km s-min=3.8km az=97.7.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=176.3.
NNC Event type se. Error ellipse: s-maj=28.4km s-min=15.2km az=7.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=191.0.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=12.0.
ISC X 02 19 45 03.2–3.3 37.5N–.20 71.4E–.10 109 17 3-14
NNC X 02 19 45 04.0–2.3 37.60N 71.57E 165–31 3.5,2.5b **¶601835651**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=18.0km az=63.0.
NNC X 03 06 34 47.1–6.9 37.03N 70.39E 6–256 3.6b,3.2
¶601837233

NNC Event type se. Error ellipse: s-maj=276.8km s-min=22.3km az=19.0.
NNC X 03 07 16 58.7–3.0 37.19N 70.91E 0 3.6b,3.0
¶601837235

NNC Event type se. Error ellipse: s-maj=23.6km s-min=21.2km az=168.0.
NNC X 05 02 33 14.7–13 36.74N 71.17E 0 3.6b,3.2
¶601838696

NNC Event type se. Error ellipse: s-maj=108.5km s-min=93.2km az=144.0.
NNC X 06 13 17 29.5–5.3 37.91N 71.52E 0 3.9b,3.4
¶601839297

NNC Event type se. Error ellipse: s-maj=39.9km s-min=32.6km az=171.0.
NNC X 07 05 20 15.8–4.4 37.32N 70.48E 0 3.6b,3.2
¶601839736

NNC Event type se. Error ellipse: s-maj=31.4km s-min=28.1km az=18.0.
ISC X 07 07 48 28.1–1.9 37.5N–.10 69.99E–.09 30 15 4-19
IDC X 07 07 48 24.3–10 37.59N 70.08E 0 3.5,3.5 **¶601839743**
ISCJB X 07 07 48 25.7–1.4 37.6N–.10 69.92E–.10 30 3.5,3.5
NNC X 07 07 48 29.4–1.6 37.82N 70.14E 0 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=224.8km s-min=33.0km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=7.8km az=149.3.
NNC Event type se. Error ellipse: s-maj=13.0km s-min=10.9km az=83.0.
NNC X 07 10 35 00.9–2.0 37.15N 70.58E 0 3.5b,3.1
¶601839748

NNC Event type se. Error ellipse: s-maj=14.9km s-min=13.2km az=176.0.
NNC X 07 13 09 14.5–4.0 37.82N 71.48E 0 3.5b,3.1
¶601839756

NNC Event type se. Error ellipse: s-maj=30.6km s-min=24.0km az=169.0.
ISC X 07 16 23 10.3–.61 36.07N–.06 71.13E–.06 102 3.9b 43 4-84
IDC X 07 16 23 10.7–3.5 35.99N 71.20E 101–32 3.9,3.8 **¶601833150**
NNC X 07 16 23 14.5–3.5 36.74N 70.79E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.0km az=14.0.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=20.4km az=160.0.
ISC X 07 21 10 13.7–3.3 37.4N–.20 71.6E–.10 35 21 3-15
NNC X 07 21 10 17.4–3.8 37.87N 71.53E 0 4.2b,3.9 **¶601839761**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.6km s-min=22.7km az=167.0.
ISC X 08 18 21 12.0–.98 36.18N–.08 71.03E–.07 100 33 4-38
ISCJB X 08 18 21 11.0–.60 36.15N–.04 71.16E–.08 100 4.0b **¶601840324**
IDC X 08 18 21 14.7–8.3 36.70N 70.90E 62–44 3.8b,3.5
NNC X 08 18 21 16.9–2.3 36.90N 70.67E 0 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.9km az=162.4.
IDC Error ellipse: s-maj=138.8km s-min=26.1km az=164.0.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=15.2km az=144.0.
ISC X 10 00 37 11.0–.37 36.17N–.03 71.25E–.04 104–3 4.4b 237 2-89
ISCJB X 10 00 37 08.6–.39 36.16N–.02 71.40E–.03 87–4 4.3b **¶601819588**
BJI X 10 00 37 10.6 36.31N 71.37E 95 4.8b,4.6b
MOS X 10 00 37 10.2–.96 36.23N 71.33E 103 4.5b,4.6b
NEIC X 10 00 37 11.0–.63 36.24N 71.30E 98–6 4.5b,4.6b
IDC X 10 00 37 12.1–.54 36.20N 71.31E 108–4 4.4,4.1
NNC X 10 00 37 14.5–3.1 36.54N 70.79E 135–34 5.0,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.9km az=161.0.
MOS Error ellipse: s-maj=7.6km s-min=4.3km az=84.4.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.7km az=203.0.
IDC Error ellipse: s-maj=13.3km s-min=9.3km az=32.0.
NNC Event type se. Error ellipse: s-maj=27.5km s-min=16.9km az=167.0.
NNC X 10 07 08 46.8–3.0 37.18N 70.69E 0 3.7b,3.3
¶601843849

NNC Event type se. Error ellipse: s-maj=23.0km s-min=20.3km az=174.0.
NNC X 10 16 12 37.4–11 37.55N 71.59E 0 3.8b,3.4
¶601843882

NNC Event type se. Error ellipse: s-maj=88.0km s-min=70.3km az=157.0.
NNC X 11 04 30 33.8–6.3 37.93N 71.60E 0 3.6b,3.2
¶601846704

NNC Event type se. Error ellipse: s-maj=48.0km s-min=37.5km az=170.0.
NNC X 11 21 27 41.5–3.2 38.01N 71.51E 0 3.7b,3.3
¶601846744

NNC Event type se. Error ellipse: s-maj=23.9km s-min=19.0km az=175.0.
ISC X 12 19 50 40.5–2.1 36.48N–.10 71.1E–.20 100 24 4-16
ISCJB X 12 19 50 40.7–1.6 36.44N–.06 71.3E–.20 100 **¶601848496**
NNC X 12 19 50 46.7–2.9 37.15N 70.93E 0 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=5.8km az=165.6.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=21.2km az=135.0.
ISC X 13 17 59 06.4–.50 36.73N–.05 71.06E–.05 188 4.4b 89 3-84
IDC X 13 17 58 59.1–10 36.22N 70.92E 137–95 3.9,3.5 **¶601833172**
ISCJB X 13 17 59 05.9–.30 36.67N–.03 70.96E–.04 188 4.2b,3.5
BJI X 13 17 59 05.0 36.70N 71.10E 203 4.8b,4.5b
NEIC X 13 17 59 08.3–.49 36.70N 71.19E 209–6 4.5b,4.5b
NNC X 13 17 59 13.1–1.5 37.09N 71.05E 204–22 4.3,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=20.5km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=3.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=131.0.
NNC Event type se. Error ellipse: s-maj=17.3km s-min=12.4km az=65.0.
NNC X 15 22 42 01.2–7.0 37.13N 70.03E 0 3.5b,3.1
¶601857632

NNC Event type se. Error ellipse: s-maj=50.8km s-min=44.5km az=179.0.
ISC X 16 01 59 13.9–.76 36.43N–.07 71.11E–.07 188 3.4b 42 4-84
ISCJB X 16 01 59 13.9–.46 36.40N–.04 71.08E–.06 188 3.5b **¶601859194**
IDC X 16 01 59 15.9–3.6 36.22N 71.01E 224–34 3.8,3.3
NNC X 16 01 59 21.0–1.6 36.92N 71.14E 217–22 3.7,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.8km az=149.6.
IDC Error ellipse: s-maj=22.8km s-min=17.0km az=177.0.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=14.2km az=70.0.
ISC X 16 13 35 44.3–.65 36.50N–.06 71.35E–.06 200 3.8b 46 3-84
IDC X 16 13 35 43.4–3.3 36.40N 71.35E 192–30 4.0,3.6b **¶601859220**
ISCJB X 16 13 35 44.6–.42 36.57N–.04 71.29E–.06 200 3.6b,3.6b
NNC X 16 13 35 52.0–1.3 37.05N 71.20E 208–17 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=15.8km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.6km az=157.9.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=11.2km az=69.0.
ISC X 16 17 18 27.1–.97 36.12N–.09 71.38E–.08 100 4.3b 27 4-45
IDC X 16 17 18 22.9–9.4 35.71N 71.61E 76–40 3.7,3.6b **¶601859223**
ISCJB X 16 17 18 27.6–.50 36.20N–.05 71.21E–.06 100 4.0b,3.6b
NNC X 16 17 18 35.9–9.1 36.97N 70.72E 16–193 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=132.8km s-min=30.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=135.8.
NNC Event type se. Error ellipse: s-maj=192.7km s-min=36.4km az=12.0.
ISC X 16 19 19 32.1–.43 36.73N–.04 71.30E–.04 150 4.2b 175 3-84
IDC X 16 19 19 28.1–3.7 36.32N 71.33E 133–33 3.8,3.5 **¶601836739**
ISCJB X 16 19 19 30.6–.23 36.60N–.03 71.31E–.03 150 4.1b,3.5
BJI X 16 19 19 31.9 36.78N 71.21E 169 4.8b,4.4b
MOS X 16 19 19 32.4–.94 36.62N 71.39E 175 4.0b,4.4b
NEIC X 16 19 19 33.9–.45 36.73N 71.33E 169–5 4.4b,4.4b
NNC X 16 19 19 34.9–4.8 36.95N 70.98E 26–64 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=13.3km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=3.7.
MOS Error ellipse: s-maj=8.6km s-min=5.1km az=84.7.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.9km az=139.0.
NNC Event type se. Error ellipse: s-maj=51.4km s-min=17.3km az=164.0.
ISC X 17 07 21 17.0–3.2 37.5N–.20 71.9E–.10 130 15 3-16
NNC X 17 07 21 19.8–2.4 37.75N 71.92E 164–31 3.6,2.7b **¶601864384**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=19.9km az=60.0.
ISC X 17 13 14 40.0–.54 36.31N–.05 71.10E–.06 10 3.6b 41 4-84
IDC X 17 13 14 39.4–.93 36.37N 71.13E 0 3.7,3.6 **¶601864404**
NNC X 17 13 14 52.1–2.7 37.13N 70.68E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=18.4km az=11.0.
NNC Event type se. Error ellipse: s-maj=27.0km s-min=16.7km az=145.0.
NNC X 17 23 21 45.2–3.3 37.71N 71.25E 0 3.8b,3.4
¶601864413

NNC Event type se. Error ellipse: s-maj=25.5km s-min=22.7km az=176.0.
ISC X 18 04 35 54.8–.52 36.64N–.05 71.25E–.06 200 3.5b 65 3-84
IDC X 18 04 35 48.5–3.8 36.36N 71.27E 124–34 3.8,3.5 **¶601866944**
ISCJB X 18 04 35 55.4–.37 36.70N–.03 71.46E–.06 200 3.4b,3.5
NNC X 18 04 35 58.1–2.0 37.00N 70.93E 155–34 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=17.7km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.3km az=158.3.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=14.6km az=143.0.
ISC X 20 07 31 38.9–1.5 37.3N–.10 71.83E–.10 130 3.6b 27 3-66
IDC X 20 07 31 40.6–9.9 37.15N 72.22E 178–95 3.9,3.3 **¶601869300**
NNC X 20 07 31 48.3–1.5 37.86N 72.11E 187–16 3.5,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=60.8km s-min=47.9km az=134.0.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=12.5km az=63.0.
NNC X 20 08 48 34.3–2.0 38.95N 70.11E 0 3.6b,3.3
¶601869304

NNC Event type se. Error ellipse: s-maj=17.8km s-min=11.0km az=20.0.
ISC X 20 17 31 59.7–.28 37.44N–.03 69.17E–.03 29 4.5b,3.8s 341 3-149
BJI X 20 17 31 57.3 37.74N 69.50E 5 4.8b,4.6b **¶601839795**
IDC X 20 17 31 58.7–6.6 37.37N 69.26E 23–43 4.2,4.2L
ISCJB X 20 17 31 58.5–.15 37.51N–.02 69.25E–.02 29 4.5b,3.7s
MOS X 20 17 31 58.3–1.3 37.54N 69.30E 26 4.9b,3.7s
NNC X 20 17 31 59.3–.92 37.56N 68.99E 26–5 5.1b,4.9
NEIC X 20 17 31 59.5–1.6 37.54N 69.26E 23–11 4.7b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=9.8km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=5.5.
MOS Error ellipse: s-maj=5.4km s-min=4.2km az=89.0.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=5.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=190.0.
ISC X 21 20 59 50.3–.74 38.83N–.06 70.31E–.04 17 3.6b 54 3-84
IDC X 21 20 59 47.0–.96 38.67N 70.46E 0 3.8,3.7 **¶601869718**
ISCJB X 21 20 59 48.6–.57 38.80N–.05 70.19E–.05 17 3.5b,3.7
SOME X 21 20 59 48.9 39.28N 70.27E 10 3.5b,3.7
NNC X 21 20 59 54.1–4.3 38.90N 70.53E 0 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=12.4km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=150.0.
NNC Event type se. Error ellipse: s-maj=35.2km s-min=18.7km az=17.0.
NNC X 24 01 23 52.2–5.0 37.95N 71.63E 0 3.6b,3.2
¶601876289

NNC Event type se. Error ellipse: s-maj=38.0km s-min=29.3km az=169.0.
ISC X 24 17 39 47.8–.83 36.94N–.07 71.19E–.06 88 3.2b 43 4-84
IDC X 24 17 39 38.6–1.4 36.42N 71.66E 0 3.8,3.7 **¶601876327**
ISCJB X 24 17 39 46.4–.48 36.82N–.04 71.17E–.06 88 3.2b,3.7
NNC X 24 17 39 52.5–3.0 37.52N 70.99E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=21.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=158.4.
NNC Event type se. Error ellipse: s-maj=23.6km s-min=17.6km az=168.0.
ISC X 24 19 54 48.7–.78 36.37N–.07 71.13E–.07 100 3.6b 39 4-82
IDC X 24 19 54 44.7–4.6 36.10N 71.26E 55–40 3.6,3.5 **¶601874211**
ISCJB X 24 19 54 46.4–.47 36.22N–.04 71.18E–.06 100 3.6b,3.5
NNC X 24 19 54 51.4–2.5 36.91N 70.71E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=22.2km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=154.3.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=14.9km az=159.0.
ISC X 25 00 24 56.1–.60 36.95N–.06 72.97E–.07 42 3.7b 48 3-83
NNC X 25 00 24 53.5–3.3 36.93N 72.86E 0 4.2b,3.9 **¶601847460**
IDC X 25 00 24 53.5–5.8 36.81N 73.20E 32–42 3.8,3.8
NEIC X 25 00 24 57.5–.86 36.99N 73.21E 66–8 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.6km s-min=24.6km az=110.0.
IDC Error ellipse: s-maj=26.8km s-min=15.8km az=173.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.5km az=110.0.
NNC X 25 23 49 09.1–4.5 37.13N 69.00E 0 3.7b,3.3
¶601880214

NNC Event type se. Error ellipse: s-maj=34.3km s-min=30.0km az=3.0.
ISC X 26 05 23 24.1–.72 37.26N–.07 71.98E–.08 142 3.4b 39 3-82
ISCJB X 26 05 23 22.1–.40 37.21N–.04 71.94E–.06 142 3.4b **¶601882332**
IDC X 26 05 23 22.8–3.2 37.09N 71.83E 132–27 3.8,3.5
NNC X 26 05 23 27.1–2.1 37.56N 71.56E 116–44 4.0,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=154.8.
IDC Error ellipse: s-maj=28.1km s-min=17.1km az=169.0.
NNC Event type se. Error ellipse: s-maj=20.8km s-min=16.3km az=129.0.
ISC X 27 06 47 22.1–1.0 36.23N–.09 71.01E–.07 50 3.6b 37 4-84
ISCJB X 27 06 47 20.5–1.2 36.2N–.10 70.96E–.08 50 3.8s,3.6b **¶601874217**
IDC X 27 06 47 20.8–3.8 36.07N 71.12E 50–34 3.9s,3.9
NNC X 27 06 47 28.3–2.3 36.91N 70.76E 0 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=6.4km az=151.9.
IDC Error ellipse: s-maj=30.1km s-min=19.8km az=179.0.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=14.5km az=152.0.
ISC X 27 08 00 10.9–.42 37.18N–.05 70.61E–.04 64 4.0b 131 4-85
IDC X 27 08 00 01.9–.73 36.84N 70.83E 0 4.1,4.1L **¶601852903**
ISCJB X 27 08 00 08.8–.28 37.09N–.03 70.68E–.04 64 4.0b,4.1L
BJI X 27 08 00 09.2 37.49N 70.41E 58 4.3b,4.0b
NEIC X 27 08 00 10.8–.78 37.15N 70.72E 63–6 4.2b,4.0b
NNC X 27 08 00 14.3–2.4 37.77N 69.85E 0 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.1km az=0.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=136.3.

NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=167.0.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=12.0km az=164.0.
ISC X 27 08 00 32.9–1.9 37.4N–.20 70.5E–.10 10 4.2b 12 10-80
IDC X 27 08 00 28.9–2.0 37.04N 70.70E 0 4.2,4.1 **¶601999816**
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=20.6km az=150.0.
NNC X 27 12 31 48.4–4.3 37.14N 70.58E 0 3.8b,3.2
¶601883253
NNC Event type se. Error ellipse: s-maj=32.5km s-min=26.8km az=177.0.
NNC X 27 21 54 58.6–1.5 37.81N 71.36E 0 3.6b,3.0
¶601883260
NNC Event type se. Error ellipse: s-maj=11.3km s-min=8.4km az=179.0.
ISC X 28 12 11 15.9–.34 36.43N–.03 71.11E–.03 214–3 4.7b 831 3-150
MOS X 28 12 11 14.3–.98 36.44N 71.14E 210 4.7b **¶602000054**
BJI X 28 12 11 14.0 36.52N 71.09E 203 5.0b,4.8b
ISCJB X 28 12 11 14.2–.23 36.44N–.01 71.11E–.02 210–2 4.7b,4.8b
NEIC X 28 12 11 15.4–.43 36.42N 71.13E 208–4 4.8b,4.8b
IDC X 28 12 11 16.9–.56 36.37N 71.13E 226–5 5.0,4.5
NNC X 28 12 11 17.8–1.2 36.74N 71.04E 209–11 5.8,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=4.7km s-min=3.2km az=112.2.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=37.1.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=186.0. Felt at Jalalabad. Also felt at Chitral, Islamabad and Peshawar, Pakistan and at Sargodha and in the Srinagar area, India.
IDC Error ellipse: s-maj=7.4km s-min=5.5km az=4.0.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=8.6km az=164.0.
ISC X 28 21 09 41.0–.44 37.28N–.05 69.52E–.04 10 3.9b 109 4-86
ISCJB X 28 21 09 38.5–.29 37.19N–.03 69.60E–.04 10 4.4s,4.0b **¶601874259**
IDC X 28 21 09 38.1–.83 37.03N 69.78E 0 4.5s,4.5
NNC X 28 21 09 41.4–1.2 37.45N 69.18E 0 4.7b,4.5
NEIC X 28 21 09 43.0–1.1 37.24N 69.62E 26–7 4.3b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=40.6.
IDC Error ellipse: s-maj=16.7km s-min=12.8km az=153.0.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=5.3km az=161.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=161.0.
NNC X 29 12 56 47.8–4.3 37.54N 71.67E 0 3.6b,3.2
¶601884060
NNC Event type se. Error ellipse: s-maj=32.8km s-min=29.1km az=166.0.
ISC X 30 09 03 29.2–1.4 37.61N–.09 71.8E–.10 200 18 5-16
ISCJB X 30 09 03 29.5–.98 37.57N–.05 72.0E–.10 200 **¶601890478**
NNC X 30 09 03 32.4–5.1 37.79N 71.61E 147–113 3.7,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=5.7km az=166.3.
NNC Event type se. Error ellipse: s-maj=52.3km s-min=28.2km az=6.0.
ISC X 30 23 43 25.9–1.3 36.46N–.09 71.3E–.10 150 21 6-17
ISCJB X 30 23 43 26.8–.91 36.51N–.05 71.4E–.10 150 **¶601890502**
NNC X 30 23 43 31.0–2.3 36.83N 71.10E 113–41 3.8,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=5.7km az=162.6.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=16.4km az=140.0.
ISC X 31 22 41 23.2–.65 37.31N–.06 71.68E–.06 109 3.6b 48 3-82
ISCJB X 31 22 41 21.7–.45 37.21N–.04 71.82E–.07 109 3.6b **¶601874279**
IDC X 31 22 41 21.3–3.4 37.19N 71.70E 87–30 3.9,3.6
NNC X 31 22 41 26.9–2.7 37.89N 71.52E 0 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.3km az=155.6.
IDC Error ellipse: s-maj=29.8km s-min=22.2km az=170.0.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=14.7km az=171.0.
ISC XI 01 05 04 45.7–.89 36.60N–.08 71.10E–.10 188 3.3b 32 6-66
IDC XI 01 05 04 41.7–5.8 36.16N 71.29E 174–52 3.8,3.3 **¶601901448**
ISCJB XI 01 05 04 44.6–.65 36.56N–.05 71.02E–.09 188 3.5b,3.3
NNC XI 01 05 04 49.9–5.1 36.95N 70.72E 162–83 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=64.2km s-min=40.6km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=162.3.
NNC Event type se. Error ellipse: s-maj=46.2km s-min=27.7km az=10.0.
NNC XI 02 02 01 40.9–7.5 37.23N 71.21E 0 4.0b,3.7
¶601903317
NNC Event type se. Error ellipse: s-maj=65.7km s-min=45.5km az=156.0.
ISC XI 02 08 29 11.2–.78 37.30N–.07 71.97E–.08 142 3.9b 35 5-67
ISCJB XI 02 08 29 11.7–.57 37.25N–.05 72.04E–.08 142 3.7b **¶601903332**
IDC XI 02 08 29 12.5–3.6 37.28N 72.11E 176–28 3.9,3.4
NNC XI 02 08 29 19.7–3.1 37.83N 72.06E 190–45 4.0,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=151.9.
IDC Error ellipse: s-maj=45.0km s-min=22.6km az=136.0.
NNC Event type se. Error ellipse: s-maj=32.5km s-min=16.9km az=5.0.
ISC XI 02 16 10 05.6–.91 36.9N–.10 72.2E–.10 300 18 6-81
ISCJB XI 02 16 10 04.8–.77 36.87N–.08 72.2E–.10 300 3.3b **¶601903348**
IDC XI 02 16 10 07.3–4.6 36.80N 72.14E 340–49 3.8,3.1
NNC XI 02 16 10 24.9–5.2 38.78N 71.94E 0 3.1b,2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=8.4km az=146.5.
IDC Error ellipse: s-maj=35.4km s-min=28.0km az=161.0.
NNC Event type se. Error ellipse: s-maj=51.0km s-min=32.8km az=155.0.
ISC XI 03 00 26 08.7–1.9 36.2N–.10 71.0E–.10 10 3.7b 14 7-66
IDC XI 03 00 26 01.1–3.4 35.76N 71.70E 0 3.8,3.7 **¶601906701**
NNC XI 03 00 26 17.2–4.7 36.83N 70.51E 0 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=27.6km az=134.0.
NNC Event type se. Error ellipse: s-maj=46.5km s-min=21.1km az=152.0.
ISC XI 04 02 43 51.3–.71 36.55N–.06 71.29E–.06 114 3.5b 71 5-84
ISCJB XI 04 02 43 49.2–.38 36.37N–.03 71.24E–.04 114 3.5b **¶601870068**
NEIC XI 04 02 43 50.3–2.2 36.37N 71.25E 119–14 4.1b
IDC XI 04 02 43 50.3–3.6 36.40N 71.38E 94–32 4.0,3.7
NNC XI 04 02 43 53.7–1.4 36.71N 71.11E 112–18 4.7,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=135.3.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=8.7km az=163.0.
IDC Error ellipse: s-maj=27.9km s-min=18.7km az=6.0.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=8.1km az=165.0.
ISC XI 04 05 39 53.2–.70 36.37N–.07 71.13E–.06 150 3.5b 36 3-84
IDC XI 04 05 39 50.5–3.2 36.22N 71.12E 112–28 3.8,3.6 **¶601909743**
ISCJB XI 04 05 39 53.3–.35 36.39N–.03 71.20E–.05 150 3.5b,3.6
NNC XI 04 05 40 01.2–2.1 36.86N 70.95E 164–20 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=17.1km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=149.2.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=9.7km az=158.0.
ISC XI 04 22 07 15.2–.77 37.42N–.07 71.99E–.06 200 3.5b 37 5-80
ISCJB XI 04 22 07 14.2–.42 37.38N–.04 72.04E–.05 200 3.5b **¶601909765**
IDC XI 04 22 07 14.8–3.6 37.46N 72.00E 178–25 3.7,3.4b
NNC XI 04 22 07 18.7–3.7 37.78N 71.23E 0 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=137.4.
IDC Error ellipse: s-maj=38.6km s-min=17.5km az=163.0.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=15.4km az=134.0.
NNC XI 05 12 14 44.8–8.4 37.50N 71.02E 0 3.8b,3.5
¶601910083
NNC Event type se. Error ellipse: s-maj=65.5km s-min=45.7km az=172.0.
ISC XI 05 23 25 54.9–.43 36.14N–.03 71.03E–.03 108–4 4.4b 262 2-150
NNC XI 05 23 25 52.4–3.2 36.69N 70.32E 0 5.0b,4.9 **¶601874871**
ISCJB XI 05 23 25 52.6–.42 36.12N–.02 71.05E–.03 94–4 4.3b,4.9
MOS XI 05 23 25 52.9–1.1 36.14N 71.07E 96 4.5b,4.9
NEIC XI 05 23 25 53.6–.87 36.12N 70.98E 93–8 4.5b,4.9
IDC XI 05 23 25 54.1–.83 36.09N 70.97E 102–7 4.4,4.2
BJI XI 05 23 25 59.7 36.34N 71.48E 126 4.5b,4.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.6km s-min=18.0km az=157.0.

ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.2km az=141.1.
MOS Error ellipse: s-maj=6.4km s-min=4.4km az=100.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=200.0.
IDC Error ellipse: s-maj=10.4km s-min=9.8km az=13.0.
ISC XI 07 14 40 09.5–.91 37.05N–.07 71.31E–.08 106 3.4b 39 3-41
ISCJB XI 07 14 40 08.4–.68 36.89N–.04 71.46E–.10 106 3.5b **¶601991516**
IDC XI 07 14 40 09.9–3.3 37.00N 71.43E 83–33 3.9,3.6
NNC XI 07 14 40 15.1–2.3 37.48N 71.34E 171–33 4.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.1km az=164.7.
IDC Error ellipse: s-maj=30.7km s-min=25.0km az=15.0.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=20.3km az=92.0.
NNC XI 07 17 02 10.3–10 38.00N 71.29E 0 4.0b,3.6
¶601991523
NNC Event type se. Error ellipse: s-maj=97.1km s-min=76.3km az=134.0.
ISC XI 08 12 46 12.0–.36 36.41N–.04 71.37E–.04 114 4.2b 197 3-84
IDC XI 08 12 45 57.7–.68 36.02N 71.20E 0 4.4,4.4 **¶601881306**
BJI XI 08 12 46 03.9 36.28N 70.93E 48 4.7L,4.6b
NNC XI 08 12 46 03.9–12 36.45N 70.86E 0 5.0b,4.6
MOS XI 08 12 46 09.5–1.0 36.45N 71.36E 93 4.3b,4.6
NEIC XI 08 12 46 10.1–.66 36.42N 71.35E 90–6 4.3b,4.6
ISCJB XI 08 12 46 10.4–.19 36.40N–.02 71.52E–.03 114 4.2b,4.6
ISC Event type se.
NNC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 09 14 05 49.9–1.7 36.9N–.10 71.14E–.08 150 3.7b 37 4-84
IDC XI 09 14 05 46.8–3.3 36.54N 71.54E 154–29 3.9,3.5 **¶601991609**
NNC XI 09 14 05 54.1–2.3 37.07N 71.24E 179–31 4.3,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=18.5km az=25.0.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=22.4km az=85.0.
NNC XI 09 17 14 03.0–5.2 38.35N 70.36E 0 3.6b,3.2
¶601991612
NNC Event type se. Error ellipse: s-maj=38.1km s-min=30.5km az=27.0.
ISC XI 10 13 04 08.4–.43 36.77N–.04 71.25E–.05 200 4.0b 124 3-84
ISCJB XI 10 13 04 07.4–.27 36.74N–.02 71.27E–.04 200 3.9b **¶601883918**
MOS XI 10 13 04 07.0–.89 36.67N 71.31E 206 4.0b
IDC XI 10 13 04 08.3–1.7 36.67N 71.38E 207–16 4.1,3.7
BJI XI 10 13 04 08.2 36.78N 71.39E 201 4.7b,4.3b
NEIC XI 10 13 04 10.0–.87 36.89N 71.29E 226–10 4.1b,4.3b
NNC XI 10 13 04 13.6–2.1 37.13N 71.41E 226–18 4.7,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=170.0.
MOS Error ellipse: s-maj=11.1km s-min=4.8km az=79.8.
IDC Error ellipse: s-maj=12.2km s-min=10.3km az=155.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.6km az=151.0.
NNC Event type se. Error ellipse: s-maj=21.2km s-min=19.0km az=16.0.
ISC XI 11 12 52 33.0–1.4 36.93N–.10 72.7E–.20 100 3.3b 18 3-83
NNC XI 11 12 52 31.9–3.7 37.16N 72.38E 0 3.8b,3.4 **¶601991714**
IDC XI 11 12 52 31.5–6.0 36.86N 73.11E 71–47 3.5,3.4
ISCJB XI 11 12 52 32.5–.99 36.93N–.06 72.8E–.20 100 3.4b,3.4
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XI 11 20 49 05.5–1.8 37.5N–.10 71.41E–.07 35 24 3-44
ISCJB XI 11 20 49 04.8–1.2 37.55N–.08 71.22E–.07 35 3.9b,3.2s **¶601991728**
NNC XI 11 20 49 09.8–1.8 37.73N 71.64E 141–24 3.3,2.6b
IDC XI 11 20 49 18.8–4.3 40.12N 69.97E 0 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.6km az=159.6.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=14.0km az=57.0.
IDC Error ellipse: s-maj=87.9km s-min=18.3km az=168.0.
NNC XI 12 04 54 59.5–7.0 37.25N 70.66E 0 3.6b,3.3
¶601991750
NNC Event type se. Error ellipse: s-maj=54.1km s-min=45.8km az=166.0.
NNC XI 12 15 18 59.0–3.6 37.04N 70.87E 0 3.8b,3.4
¶601991790
NNC Event type se. Error ellipse: s-maj=29.3km s-min=25.6km az=138.0.
NNC XI 13 04 33 40.5–3.2 37.11N 70.49E 0 3.6b,3.2
¶601991841
NNC Event type se. Error ellipse: s-maj=24.8km s-min=22.1km az=173.0.
NNC XI 13 06 41 58.5–5.6 36.84N 72.17E 0 3.6b,3.3
¶601991848
NNC Event type se. Error ellipse: s-maj=53.1km s-min=39.3km az=126.0.
ISC XI 14 12 15 01.5–1.3 37.42N–.09 71.9E–.10 113 19 3-17
ISCJB XI 14 12 15 01.7–1.0 37.32N–.06 72.0E–.20 113 **¶601991973**
NNC XI 14 12 15 10.9–2.8 38.05N 72.09E 171–34 3.4,2.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=6.1km az=159.9.
NNC Event type se. Error ellipse: s-maj=33.4km s-min=21.9km az=65.0.
ISC XI 15 00 43 55.2–1.0 38.48N–.09 70.48E–.07 23 3.6b 36 3-83
IDC XI 15 00 43 50.3–1.2 38.34N 70.92E 0 3.9,3.8 **¶601991988**
ISCJB XI 15 00 43 53.5–.82 38.51N–.06 70.36E–.05 23 3.6b,3.8
NNC XI 15 00 43 53.1–1.7 38.57N 70.46E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=13.5km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=159.1.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=10.6km az=10.0.
NNC XI 15 05 43 01.4–3.0 38.40N 70.16E 4–12 3.7b,3.3
¶601992004
NNC Event type se. Error ellipse: s-maj=22.0km s-min=15.6km az=4.0.
ISC XI 15 19 01 41.9–.88 37.03N–.08 71.51E–.06 106 36 5-66
ISCJB XI 15 19 01 40.1–.42 36.85N–.04 71.40E–.05 106 3.3b **¶601992058**
IDC XI 15 19 01 42.0–7.2 36.91N 71.61E 85–48 3.5,3.2
NNC XI 15 19 01 47.2–3.9 37.48N 71.26E 161–99 3.5,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=37.5.
IDC Error ellipse: s-maj=108.1km s-min=25.4km az=147.0.
NNC Event type se. Error ellipse: s-maj=40.8km s-min=22.8km az=166.0.
NNC XI 16 08 52 14.2–2.3 37.27N 71.01E 0 3.7b,3.3
¶601992199
NNC Event type se. Error ellipse: s-maj=17.3km s-min=15.1km az=170.0.
NNC XI 16 12 56 48.4–3.9 37.70N 71.26E 0 3.6b,3.2
¶601992252
NNC Event type se. Error ellipse: s-maj=29.6km s-min=24.6km az=169.0.
ISC XI 16 16 40 16.5–.36 37.46N–.03 71.96E–.03 122–3 4.8b 487 3-151
ISCJB XI 16 16 40 14.3–.34 37.42N–.02 72.00E–.02 110–3 4.8b **¶601906502**
MOS XI 16 16 40 15.6–1.1 37.52N 72.03E 121 4.9b
NNC XI 16 16 40 16.0–1.8 37.93N 71.42E 0 5.3b,4.9
NEIC XI 16 16 40 16.6–.59 37.51N 72.05E 119–6 4.9b,4.9
BJI XI 16 16 40 16.4 37.49N 72.12E 120 4.8b,4.7b
IDC XI 16 16 40 17.5–.65 37.43N 72.00E 130–6 4.7,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=139.3.
MOS Error ellipse: s-maj=6.0km s-min=4.1km az=118.6.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=9.6km az=159.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.8km az=194.0.
IDC Error ellipse: s-maj=9.7km s-min=7.2km az=16.0.
NNC XI 18 09 41 53.7–4.1 37.08N 70.58E 0 3.5b,3.1
¶601992684
NNC Event type se. Error ellipse: s-maj=33.0km s-min=29.6km az=134.0.
ISC XI 18 19 34 47.8–.45 36.48N–.04 71.64E–.05 114 4.0b 102 3-82
IDC XI 18 19 34 34.5–.89 36.18N 71.42E 0 4.6L,4.2 **¶602389622**
ISCJB XI 18 19 34 46.3–.26 36.48N–.02 71.72E–.04 114 3.9b,4.2
MOS XI 18 19 34 46.4–1.7 36.55N 71.52E 102 4.2b,4.2
BJI XI 18 19 34 46.3 36.56N 71.52E 88 4.4b,3.9b
NNC XI 18 19 34 47.8–1.7 36.69N 70.98E 112–21 4.4,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=15.7km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=157.6.

MOS Error ellipse: s-maj=11.8km s-min=7.1km az=94.1.
NNC Event type se. Error ellipse: s-maj=17.1km s-min=10.3km az=158.0.
ISC XI 18 21 16 55.0–.85 36.31N–.07 71.28E–.06 100 3.9b 35 4-67
IDC XI 18 21 16 53.5–4.8 36.21N 71.30E 62–32 3.8,3.8L **¶601992774**
ISCJB XI 18 21 16 55.0–.56 36.35N–.04 71.29E–.07 100 3.8b,3.8L
NNC XI 18 21 17 01.8–1.9 36.82N 71.04E 132–36 3.8,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=59.7km s-min=25.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.8km az=161.9.
NNC Event type se. Error ellipse: s-maj=20.7km s-min=15.5km az=86.0.
ISC XI 19 07 31 19.9–.33 36.66N–.04 71.06E–.04 188 4.1b 189 3-150
ISCJB XI 19 07 31 18.8–.20 36.57N–.02 71.00E–.03 188 4.0b **¶601992867**
IDC XI 19 07 31 19.4–2.0 36.50N 71.17E 192–18 4.3,3.9
BJI XI 19 07 31 20.8 36.80N 70.90E 208 4.6b,4.6b
NEIC XI 19 07 31 21.6–.70 36.63N 71.11E 211–6 4.2b,4.6b
MOS XI 19 07 31 21.5–.94 36.65N 71.16E 223 4.0b,4.6b
NNC XI 19 07 31 24.4–2.7 36.92N 70.93E 198–24 4.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=148.9.
IDC Error ellipse: s-maj=12.4km s-min=10.5km az=161.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.3km az=135.0.
MOS Error ellipse: s-maj=9.9km s-min=5.0km az=82.2.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=17.0km az=171.0.
ISC XI 20 02 20 34.5–1.2 37.4N–.10 71.78E–.08 200 3.6b 36 3-80
IDC XI 20 02 20 30.3–3.8 37.03N 72.06E 179–26 4.0,3.5 **¶601993072**
NNC XI 20 02 20 34.4–3.2 37.71N 71.28E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=43.9km s-min=18.5km az=148.0.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=17.7km az=170.0.
NNC XI 20 06 05 37.2–1.8 37.17N 70.77E 0 3.5b,3.1
¶601993115

NNC Event type se. Error ellipse: s-maj=13.7km s-min=11.9km az=173.0.
NNC XI 20 11 53 11.4–22 37.55N 71.64E 0 3.7b,3.4
¶601993202

NNC Event type se. Error ellipse: s-maj=170.0km s-min=135.1km az=165.0.
NNC XI 20 21 11 38.0–1.1 37.13N 70.73E 0 3.7b,3.3
¶601993274

NNC Event type se. Error ellipse: s-maj=8.0km s-min=7.4km az=0.0.
ISC XI 20 21 29 37.1–.52 36.63N–.05 71.02E–.06 200 3.9b 57 3-84
ISCJB XI 20 21 29 36.4–.36 36.59N–.03 71.01E–.05 200 3.7b **¶601993275**
IDC XI 20 21 29 36.1–2.4 36.37N 71.06E 202–22 4.0,3.5
NNC XI 20 21 29 39.4–3.9 37.14N 70.42E 0 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=147.7.
IDC Error ellipse: s-maj=17.1km s-min=11.5km az=16.0.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=21.6km az=169.0.
ISC XI 20 22 45 16.0–.94 37.10N–.07 71.67E–.07 106 36 3-41
ISCJB XI 20 22 45 14.9–.47 36.98N–.04 71.65E–.06 106 4.0b **¶601993285**
IDC XI 20 22 45 14.1–7.8 36.82N 71.94E 107–36 3.8,3.6b
NNC XI 20 22 45 23.0–2.6 37.77N 71.39E 0 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=147.3.
IDC Error ellipse: s-maj=111.8km s-min=28.4km az=157.0.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=14.0km az=178.0.
ISC XI 21 18 59 01.1–1.3 37.30N–.09 72.0E–.10 150 15 3-15
ISCJB XI 21 18 59 01.8–1.1 37.37N–.06 72.1E–.20 150 **¶601993517**
NNC XI 21 18 59 08.5–3.8 37.78N 71.91E 167–51 3.0,2.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=6.2km az=163.5.
NNC Event type se. Error ellipse: s-maj=41.5km s-min=30.8km az=61.0.
NNC XI 25 09 35 21.5–2.3 37.60N 71.31E 0 4.0b,3.4
¶602032102

NNC Event type se. Error ellipse: s-maj=17.7km s-min=14.8km az=0.0.
ISC XI 25 17 35 52.3–.41 36.47N–.04 71.23E–.05 188 3.8b 89 3-150
ISCJB XI 25 17 35 51.2–.30 36.39N–.02 71.11E–.04 188 3.7b **¶601994420**
IDC XI 25 17 35 52.1–2.3 36.30N 71.17E 196–22 4.0,3.6
NNC XI 25 17 35 59.1–1.7 36.88N 71.29E 219–16 4.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=155.9.
IDC Error ellipse: s-maj=14.8km s-min=9.8km az=17.0.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=12.4km az=167.0.
ISC XI 25 21 36 32.3–3.4 37.3N–.20 71.6E–.10 109 18 3-15
NNC XI 25 21 36 31.9–2.4 37.55N 71.46E 0 3.8b,3.6 **¶602032120**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.9km s-min=16.5km az=149.0.
NNC XI 26 00 30 54.4–4.6 37.38N 69.62E 0 3.6b,3.2
¶602032399

NNC Event type se. Error ellipse: s-maj=34.0km s-min=29.9km az=4.0.
NNC XI 26 03 13 41.7–2.7 37.17N 70.79E 0 3.7b,3.4
¶602032396

NNC Event type se. Error ellipse: s-maj=21.6km s-min=17.0km az=159.0.
NNC XI 26 06 16 50.4–4.7 37.82N 70.91E 0 3.6b,3.2
¶602032393

NNC Event type se. Error ellipse: s-maj=36.5km s-min=27.6km az=171.0.
NNC XI 26 10 23 24.4–4.5 37.30N 70.79E 0 3.7b,3.3
¶602032375

NNC Event type se. Error ellipse: s-maj=34.5km s-min=29.3km az=165.0.
NNC XI 26 12 20 07.5–4.6 37.32N 71.00E 0 3.6b,3.2
¶602032368

NNC Event type se. Error ellipse: s-maj=35.4km s-min=31.2km az=153.0.
NNC XI 26 17 30 12.1–3.7 37.64N 71.34E 0 3.7b,3.3
¶602032365

NNC Event type se. Error ellipse: s-maj=28.6km s-min=23.0km az=166.0.
ISC XI 28 07 54 54.0–1.1 36.56N–.09 71.17E–.08 150 3.4b 38 4-82
ISCJB XI 28 07 54 53.5–1.2 36.5N–.10 71.16E–.08 150 3.5b **¶602036354**
IDC XI 28 07 54 53.9–3.4 36.41N 71.23E 164–30 3.9,3.5
NNC XI 28 07 54 59.5–2.9 37.24N 70.83E 0 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=6.5km az=153.1.
IDC Error ellipse: s-maj=27.1km s-min=19.2km az=0.0.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=18.0km az=158.0.
NNC XI 28 09 32 27.1–3.0 37.06N 70.01E 0 4.0b,3.6
¶602036367

NNC Event type se. Error ellipse: s-maj=23.6km s-min=20.6km az=154.0.
ISC XI 30 03 31 05.0–.49 36.35N–.04 71.30E–.05 124–4 4.1b 162 3-84
BJI XI 30 03 31 02.8 36.31N 71.12E 123 4.9b,4.3b **¶601995355**
ISCJB XI 30 03 31 03.5–.46 36.34N–.02 71.31E–.04 125–5 4.0b,4.3b
MOS XI 30 03 31 04.5–1.5 36.40N 71.29E 128 4.2b,4.3b
NEIC XI 30 03 31 04.8–.49 36.43N 71.08E 123–7 4.2b,4.3b
IDC XI 30 03 31 05.2–.56 36.35N 71.24E 127–4 4.2,3.8
NNC XI 30 03 31 07.6–4.3 36.74N 70.67E 116–78 4.7,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=164.9.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=89.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.7km az=123.0.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=44.0.
NNC Event type se. Error ellipse: s-maj=37.4km s-min=32.4km az=53.0.
NNC XII 01 11 38 09.5–9.2 37.22N 70.42E 0 3.5b,3.1
¶602042824

NNC Event type se. Error ellipse: s-maj=70.2km s-min=56.0km az=2.0.
ISC XII 01 17 29 07.4–.39 36.43N–.04 71.19E–.04 100 4.4b 196 3-84
IDC XII 01 17 29 02.0–3.3 36.19N 71.22E 52–29 4.0,3.9 **¶601995666**
MOS XII 01 17 29 03.3–1.6 36.30N 71.13E 72 4.5b,3.9
BJI XII 01 17 29 06.6 36.50N 71.25E 87 4.7b,4.7b
ISCJB XII 01 17 29 06.3–.20 36.40N–.02 71.30E–.03 100 4.3b,4.7b
NEIC XII 01 17 29 07.6–.59 36.48N 71.20E 90–5 4.7b,4.7b
NNC XII 01 17 29 10.2–2.3 36.80N 70.60E 144–30 4.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.6km az=21.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=89.5.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=155.7.

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=6.0km az=177.0.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=13.9km az=163.0.
NNC XII 01 22 45 33.0–8.7 37.70N 71.39E 0 3.5b,3.1
¶602042837

NNC Event type se. Error ellipse: s-maj=66.5km s-min=50.7km az=175.0.
NNC XII 02 13 39 34.8–3.1 37.73N 71.40E 0 3.7b,3.3
¶602042871

NNC Event type se. Error ellipse: s-maj=24.1km s-min=19.2km az=168.0.
ISC XII 02 14 24 02.6–1.8 37.2N–.10 69.68E–.07 10 26 4-81
IDC XII 02 14 23 57.8–3.8 36.62N 70.72E 0 3.8,3.7 **¶602042872**
ISCJB XII 02 14 24 01.4–1.2 37.27N–.09 69.57E–.06 10 3.5b,3.7
NNC XII 02 14 24 03.1–2.0 37.33N 69.61E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=63.3km s-min=27.9km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.9km az=165.2.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=12.2km az=178.0.
NNC XII 03 03 15 05.2–3.2 37.14N 70.62E 0 3.8b,3.4
¶602042885

NNC Event type se. Error ellipse: s-maj=26.2km s-min=22.8km az=135.0.
NNC XII 03 13 31 38.6–3.1 37.89N 71.69E 0 3.7b,3.3
¶602042905

NNC Event type se. Error ellipse: s-maj=23.7km s-min=19.6km az=167.0.
ISC XII 03 14 59 38.6–1.6 36.4N–.10 71.2E–.10 200 16 4-82
IDC XII 03 14 59 35.6–7.6 36.04N 71.10E 185–66 3.5,2.9 **¶602042906**
NNC XII 03 14 59 46.0–1.7 37.00N 70.84E 194–26 3.4,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=69.9km s-min=38.6km az=46.0.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=14.0km az=66.0.
ISC XII 03 20 18 10.0–3.6 36.5N–.20 71.2E–.10 150 17 4-15
NNC XII 03 20 18 07.8–3.3 36.74N 70.83E 0 4.1b,3.8 **¶602042910**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.7km s-min=23.4km az=132.0.
ISC XII 04 00 16 20.1–.79 36.12N–.07 71.27E–.06 100 41 4-82
IDC XII 04 00 16 19.2–5.0 36.08N 71.26E 67–32 3.6,3.4 **¶602051428**
ISCJB XII 04 00 16 20.7–.55 36.20N–.04 71.18E–.07 100 3.6b,3.4
NNC XII 04 00 16 29.2–1.7 36.87N 71.05E 191–25 4.2,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=23.8km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.2km az=158.4.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=14.0km az=58.0.
NNC XII 04 07 19 49.4–7.8 37.22N 71.02E 0 3.9b,3.5
¶602051440

NNC Event type se. Error ellipse: s-maj=64.2km s-min=56.1km az=122.0.
ISC XII 04 10 11 03.4–.42 37.27N–.04 71.65E–.05 106 3.8b 89 3-84
ISCJB XII 04 10 11 02.1–.32 37.20N–.03 71.63E–.05 106 3.8b **¶602051459**
IDC XII 04 10 11 06.2–.77 37.31N 71.66E 126–6 4.0,3.7
NNC XII 04 10 11 08.2–1.7 37.71N 71.37E 138–30 4.1,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.6km az=160.7.
IDC Error ellipse: s-maj=14.1km s-min=12.1km az=20.0.
NNC Event type se. Error ellipse: s-maj=18.8km s-min=13.2km az=63.0.
NNC XII 04 19 30 55.9–1.5 37.11N 71.25E 192–20 3.7,2.6b
¶602051474

NNC Event type se. Error ellipse: s-maj=16.5km s-min=12.2km az=68.0.
NNC XII 05 10 35 23.0–1.3 37.02N 70.46E 0 3.6b,3.2
¶602051501

NNC Event type se. Error ellipse: s-maj=10.4km s-min=9.2km az=172.0.
NNC XII 06 12 33 08.9–2.7 37.94N 71.42E 0 3.8b,3.3
¶602052157

NNC Event type se. Error ellipse: s-maj=21.2km s-min=15.0km az=172.0.
NNC XII 06 15 10 20.3–3.3 37.17N 70.66E 0 3.6b,3.2
¶602052159

NNC Event type se. Error ellipse: s-maj=25.3km s-min=22.6km az=151.0.
ISC XII 08 08 47 50.1–.70 36.11N–.06 71.26E–.08 100 3.9b 50 4-82
ISCJB XII 08 08 47 48.3–.43 36.04N–.03 71.23E–.06 100 3.7b **¶602055825**
IDC XII 08 08 47 48.5–3.8 36.06N 71.16E 72–33 3.7,3.5
NNC XII 08 08 47 59.2–3.8 36.78N 70.74E 125–93 3.8,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.5km az=151.4.
IDC Error ellipse: s-maj=30.6km s-min=21.6km az=7.0.
NNC Event type se. Error ellipse: s-maj=55.8km s-min=33.3km az=100.0.
ISC XII 08 23 27 15.2–1.3 36.6N–.10 71.1E–.10 188 3.7b 28 4-81
IDC XII 08 23 27 13.3–5.1 36.23N 71.18E 190–36 3.7,3.3 **¶602055845**
ISCJB XII 08 23 27 15.2–.00 36.63N–.09 70.9E–.10 188 3.5b,3.3
NNC XII 08 23 27 23.8–1.8 37.08N 71.12E 210–24 3.1,2.1b
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=25.6km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.4km az=38.8.
NNC Event type se. Error ellipse: s-maj=20.4km s-min=14.9km az=78.0.
NNC XII 10 11 10 45.1–3.6 37.42N 71.10E 0 4.4b,4.0
¶602056855

NNC Event type se. Error ellipse: s-maj=27.7km s-min=24.1km az=157.0.
NNC XII 11 17 54 34.2–3.3 37.27N 70.90E 0 3.8b,3.4
¶602058071

NNC Event type se. Error ellipse: s-maj=25.5km s-min=23.0km az=151.0.
NNC XII 11 22 00 47.5–5.1 37.45N 71.36E 9–156 3.6b,3.4
¶602058078

NNC Event type se. Error ellipse: s-maj=162.0km s-min=20.9km az=12.0.
NNC XII 11 22 44 52.7–3.7 37.70N 71.33E 0 3.6b,3.2
¶602058079

NNC Event type se. Error ellipse: s-maj=29.7km s-min=24.0km az=158.0.
NNC XII 12 04 38 47.1–2.1 37.17N 69.41E 0 3.8b,3.5
¶602058554

NNC Event type se. Error ellipse: s-maj=29.7km s-min=15.9km az=125.0.
ISC XII 12 07 50 11.4–.60 36.71N–.05 71.33E–.07 150 3.8b 58 3-84
IDC XII 12 07 50 08.9–3.1 36.37N 71.30E 142–28 4.1,3.7 **¶602058568**
ISCJB XII 12 07 50 10.0–.46 36.57N–.03 71.18E–.07 150 3.7b,3.7
NNC XII 12 07 50 19.1–2.7 37.19N 71.26E 179–29 4.5,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=16.8km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=155.2.
NNC Event type se. Error ellipse: s-maj=28.8km s-min=20.4km az=48.0.
NNC XII 12 10 39 09.7–5.6 37.69N 71.29E 0 3.6b,3.2
¶602058581

NNC Event type se. Error ellipse: s-maj=46.1km s-min=37.4km az=160.0.
ISC XII 13 01 44 28.6–.71 36.61N–.06 71.03E–.08 200 3.0b 39 4-82
ISCJB XII 13 01 44 28.4–.54 36.57N–.04 70.84E–.08 200 2.9b **¶602059068**
IDC XII 13 01 44 29.9–4.2 36.59N 71.39E 222–37 3.3,2.8
NNC XII 13 01 44 37.0–3.4 37.11N 71.12E 230–39 3.5,2.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.9km az=156.9.
IDC Error ellipse: s-maj=31.9km s-min=23.3km az=18.0.
NNC Event type se. Error ellipse: s-maj=39.7km s-min=28.5km az=70.0.
ISC XII 13 07 43 43.4–.53 36.32N–.05 71.11E–.05 100 3.6b 68 3-84
ISCJB XII 13 07 43 42.3–.35 36.21N–.03 71.10E–.05 100 3.6b **¶602059060**
IDC XII 13 07 43 42.0–3.1 36.04N 71.15E 94–26 3.9,3.7
NNC XII 13 07 43 51.3–2.1 36.84N 70.84E 122–46 4.5,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.4km az=146.8.
IDC Error ellipse: s-maj=22.8km s-min=16.9km az=177.0.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=14.1km az=144.0.
NNC XII 14 01 02 49.0–2.9 37.27N 70.85E 0 3.8b,3.4
¶602060374

NNC Event type se. Error ellipse: s-maj=22.4km s-min=19.0km az=162.0.
NNC XII 14 10 22 37.6–2.9 38.42N 71.15E 0 3.8b,3.4
¶602060337

NNC Event type se. Error ellipse: s-maj=21.6km s-min=14.8km az=18.0.
ISC XII 16 10 44 55.2–.65 36.93N–.06 71.63E–.06 106 3.3b 42 3-84
ISCJB XII 16 10 44 54.9–.50 36.94N–.04 71.62E–.07 106 3.5b **¶602064868**
IDC XII 16 10 44 56.1–3.5 36.97N 71.64E 100–30 3.8,3.5
NNC XII 16 10 45 01.8–2.0 37.39N 71.53E 135–29 4.3,3.4b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=162.9.
IDC Error ellipse: s-maj=31.8km s-min=19.7km az=165.0.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=16.8km az=121.0.
ISC XII 16 12 01 49.9–.94 36.33N–.08 71.56E–.07 114 24 4-81
ISCJB XII 16 12 01 48.5–.71 36.20N–.06 71.61E–.09 114 3.2b **¶602064872**
IDC XII 16 12 01 49.5–5.9 36.17N 71.41E 92–39 3.8,3.5
NNC XII 16 12 01 57.4–6.7 36.87N 71.36E 139–94 3.5,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.8km az=152.7.
IDC Error ellipse: s-maj=75.1km s-min=23.0km az=168.0.
NNC Event type se. Error ellipse: s-maj=68.2km s-min=55.0km az=134.0.
ISC XII 17 01 45 31.3–1.4 36.53N–.08 71.1E–.10 150 15 4-15
ISCJB XII 17 01 45 31.8–1.1 36.53N–.06 71.2E–.10 150 **¶602065069**
NNC XII 17 01 45 39.4–3.5 37.04N 71.14E 185–48 3.4,2.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=6.6km az=162.7.
NNC Event type se. Error ellipse: s-maj=37.1km s-min=28.9km az=60.0.
NNC XII 18 21 39 28.1–6.7 37.30N 70.57E 0 3.8b,3.5
¶602068803

NNC Event type se. Error ellipse: s-maj=52.2km s-min=36.9km az=172.0.
ISC XII 19 05 01 58.4–.55 36.65N–.05 71.34E–.06 200 3.6b 60 3-84
IDC XII 19 05 01 56.1–3.0 36.41N 71.27E 163–27 4.0,3.6 **¶602070926**
ISCJB XII 19 05 01 58.5–.32 36.67N–.03 71.30E–.05 200 3.5b,3.6
NNC XII 19 05 02 02.0–1.4 37.02N 70.98E 156–18 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=16.6km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=165.5.
NNC Event type se. Error ellipse: s-maj=14.4km s-min=9.5km az=156.0.
NNC XII 19 10 01 32.8–2.9 37.71N 71.26E 0 3.8b,3.4
¶602070940

NNC Event type se. Error ellipse: s-maj=23.8km s-min=17.9km az=176.0.
ISC XII 19 13 09 36.6–1.0 38.63N–.08 70.10E–.07 27 3.6b 33 3-84
KNET XII 19 13 09 30.4–3.2 38.69N 69.82E 0 3.7L **¶602070946**
IDC XII 19 13 09 31.6–1.2 38.51N 70.45E 0 3.7,3.5
ISCJB XII 19 13 09 36.1–.90 38.73N–.07 70.05E–.07 27 3.5b,3.5
NNC XII 19 13 09 38.1–2.2 38.90N 70.14E 7–10 4.4b,4.1
ISC Event type se.
KNET Error ellipse: s-maj=34.4km s-min=26.5km az=49.0.
IDC Error ellipse: s-maj=33.3km s-min=16.7km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.5km az=164.2.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=11.0km az=20.0.
NNC XII 20 04 19 41.4–7.8 37.28N 70.68E 0 3.5b,3.1
¶602083528

NNC Event type se. Error ellipse: s-maj=78.1km s-min=54.2km az=141.0.
NNC XII 20 23 20 21.5–6.8 37.31N 70.91E 0 3.9b,3.6
¶602083553

NNC Event type se. Error ellipse: s-maj=57.7km s-min=46.0km az=156.0.
ISC XII 21 00 11 18.4–1.5 36.6N–.10 71.0E–.10 188 3.2b 25 4-81
IDC XII 21 00 11 17.0–4.6 36.30N 71.16E 195–37 3.7,3.2 **¶602090218**
ISCJB XII 21 00 11 18.5–1.1 36.7N–.10 70.8E–.10 188 3.4b,3.2
NNC XII 21 00 11 25.8–3.5 37.07N 71.12E 220–40 3.5,2.3b
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=29.8km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=9.6km az=136.0.
NNC Event type se. Error ellipse: s-maj=32.5km s-min=30.0km az=50.0.
ISC XII 21 04 35 23.1–2.0 37.0N–.20 71.9E–.20 142 12 3-81
NNC XII 21 04 35 17.0–6.1 36.99N 71.47E 0 3.5b,3.2 **¶602092397**
IDC XII 21 04 35 18.3–9.6 36.70N 72.15E 107–62 3.6,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.7km s-min=42.0km az=135.0.
IDC Error ellipse: s-maj=86.5km s-min=69.0km az=132.0.
ISC XII 21 05 07 46.7–.76 36.80N–.07 71.52E–.09 200 3.2b 35 4-84
IDC XII 21 05 07 41.6–4.7 36.38N 71.28E 149–42 3.6,3.2 **¶602090220**
ISCJB XII 21 05 07 45.9–.54 36.77N–.04 71.55E–.08 200 3.2b,3.2
NNC XII 21 05 07 49.1–1.9 37.02N 71.28E 172–24 3.8,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=19.8km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=158.2.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=15.2km az=66.0.
NNC XII 21 18 10 13.0–4.1 37.30N 71.07E 0 3.5b,3.1
¶602092424

NNC Event type se. Error ellipse: s-maj=32.9km s-min=27.1km az=158.0.
ISC XII 22 02 55 58.8–.51 36.46N–.04 71.06E–.05 150 3.8b 86 3-84
IDC XII 22 02 55 53.4–3.2 36.06N 71.05E 76–27 4.1,3.9 **¶602056304**
BJI XII 22 02 55 55.1 36.06N 71.13E 109 4.2b,3.9
ISCJB XII 22 02 55 57.7–.29 36.37N–.02 71.21E–.04 150 3.8b,3.9
NEIC XII 22 02 55 59.1–.54 36.49N 71.03E 125–8 4.1b,3.9
NNC XII 22 02 55 59.5–2.6 37.01N 70.47E 0 4.9b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=17.8km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=171.1.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.4km az=121.0.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=11.5km az=158.0.
NNC XII 22 04 02 48.2–12 37.89N 71.77E 0 3.8b,3.3
¶603090952

NNC Event type se. Error ellipse: s-maj=104.2km s-min=74.8km az=162.0.
NNC XII 22 10 16 20.1–4.8 37.23N 70.86E 0 3.7b,3.4
¶603090972

NNC Event type se. Error ellipse: s-maj=38.2km s-min=31.3km az=162.0.
NNC XII 23 00 11 37.3–1.4 37.55N 69.86E 0 3.7b,3.2
¶603090983

NNC Event type se. Error ellipse: s-maj=14.6km s-min=7.5km az=166.0.
NNC XII 23 00 20 17.8–1.4 37.59N 69.69E 0 3.6b,3.2
¶603090984

NNC Event type se. Error ellipse: s-maj=15.3km s-min=7.4km az=167.0.
ISC XII 23 01 50 28.9–.52 37.33N–.05 71.74E–.05 150 3.5b 66 3-82
IDC XII 23 01 50 29.6–3.9 37.32N 71.93E 125–30 3.8,3.5 **¶602391902**
NNC XII 23 01 50 32.1–1.6 37.59N 71.48E 129–26 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=16.6km az=174.0.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=11.9km az=152.0.
NNC XII 23 06 52 59.4–4.6 37.46N 71.23E 0 3.9b,3.6
¶603090990

NNC Event type se. Error ellipse: s-maj=39.4km s-min=30.1km az=158.0.
ISC XII 24 14 36 23.3–.39 37.27N–.04 70.07E–.04 30 4.3b,3.7s 149 3-85
IDC XII 24 14 36 18.9–.75 37.24N 70.16E 0 4.3,4.1L **¶602057939**
NNC XII 24 14 36 20.9–3.0 37.42N 69.88E 0 4.8b,4.5
MOS XII 24 14 36 21.3–1.6 37.48N 70.07E 19 4.6b,4.5
ISCJB XII 24 14 36 21.6–.25 37.34N–.03 70.12E–.04 30 4.1b,3.6s
NEIC XII 24 14 36 25.7–.70 37.45N 70.17E 44–7 4.5b,3.6s
BJI XII 24 14 36 28.4 37.63N 70.59E 49 4.5b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=12.4km az=3.0.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=18.7km az=177.0.
MOS Error ellipse: s-maj=6.9km s-min=4.5km az=82.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=38.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.9km az=164.0.
NNC XII 24 15 46 48.6–7.2 37.05N 70.68E 0 4.0b,3.7
¶603091055

NNC Event type se. Error ellipse: s-maj=73.9km s-min=39.2km az=158.0.
ISC XII 24 16 57 31.7–1.7 36.6N–.10 71.4E–.20 35 13 4-15
ISCJB XII 24 16 57 30.4–1.2 36.63N–.07 71.5E–.20 35 **¶603091057**
NNC XII 24 16 57 40.0–11 37.47N 71.13E 0 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=7.5km az=159.1.
NNC Event type se. Error ellipse: s-maj=100.7km s-min=65.3km az=176.0.
ISC XII 24 20 10 56.7–1.5 36.9N–.10 71.4E–.10 35 15 4-17
ISCJB XII 24 20 10 54.7–.93 36.86N–.07 71.4E–.10 35 **¶602355692**
NNC XII 24 20 11 05.1–6.5 37.70N 71.23E 0 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=7.1km az=154.4.
NNC Event type se. Error ellipse: s-maj=67.3km s-min=30.3km az=164.0.
NNC XII 25 05 59 30.0–7.8 37.49N 71.37E 100 3.8,3.1b
¶603091065

NNC Event type se. Error ellipse: s-maj=63.1km s-min=39.5km az=174.0.
ISC XII 26 18 32 42.2–2.2 36.3N–.10 72.7E–.20 150 3.1b 19 4-83
IDC XII 26 18 32 34.6–9.1 36.23N 71.38E 117–65 3.4,3.1 **¶602216693**
NNC XII 26 18 32 35.9–3.9 36.67N 70.73E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=98.8km s-min=33.7km az=72.0.
NNC Event type se. Error ellipse: s-maj=43.2km s-min=23.3km az=150.0.
ISC XII 28 04 01 45.8–.83 36.95N–.08 71.9E–.10 200 3.3b 14 6-81
IDC XII 28 04 01 44.0–4.6 36.78N 72.09E 198–33 3.5,3.0 **¶602380760**
ISCJB XII 28 04 01 45.4–.63 37.02N–.05 71.8E–.10 200 3.4b,3.0
ISC Event type ke.
ISCJB Event type ke.
NNC XII 28 18 41 04.0–3.9 37.87N 71.23E 0 3.6b,2.8
¶602311870

NNC Event type se. Error ellipse: s-maj=37.6km s-min=20.8km az=160.0.
ISC XII 29 20 13 06.1–.46 36.66N–.05 71.16E–.04 250 4.0b 108 2-82
IDC XII 29 20 13 00.4–2.7 36.33N 71.27E 193–21 4.0,3.5 **¶602064906**
BJI XII 29 20 13 04.3 36.87N 71.05E 241 4.7b,3.9b
ISCJB XII 29 20 13 05.2–.26 36.71N–.03 71.18E–.04 250 3.9b,3.9b
NEIC XII 29 20 13 05.2–.51 36.66N 71.18E 234–4 4.4b,3.9b
NNC XII 29 20 13 07.7–1.8 36.89N 70.91E 180–23 4.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=12.9km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=144.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=135.0.
NNC Event type se. Error ellipse: s-maj=18.2km s-min=12.2km az=148.0.
ISC XII 30 07 55 49.9–.84 37.10N–.07 71.47E–.06 109 3.8b 43 3-81
ISCJB XII 30 07 55 47.7–.48 36.97N–.04 71.52E–.05 109 3.7b **¶602090276**
IDC XII 30 07 55 49.5–4.6 37.08N 71.62E 90–28 4.1,3.8
NNC XII 30 07 55 56.8–4.1 37.85N 70.95E 0 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=148.7.
IDC Error ellipse: s-maj=55.1km s-min=21.6km az=172.0.
NNC Event type se. Error ellipse: s-maj=33.6km s-min=21.0km az=176.0.
ISC XII 30 20 29 47.6–.98 36.73N–.08 71.11E–.07 150 27 4-81
ISCJB XII 30 20 29 46.5–.50 36.66N–.04 71.17E–.06 150 3.5b **¶602320603**
IDC XII 30 20 29 47.2–5.1 36.59N 71.28E 180–29 3.7,3.3b
NNC XII 30 20 29 50.2–3.4 37.25N 70.58E 0 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=142.0.
IDC Error ellipse: s-maj=59.8km s-min=18.7km az=156.0.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=19.4km az=169.0.
ISC XII 31 18 08 08.7–2.3 37.0N–.20 71.1E–.10 250 16 4-41
NNC XII 31 18 08 06.6–5.8 37.02N 70.61E 0 3.9b,3.5 **¶602320777**
IDC XII 31 18 08 09.3–8.1 36.98N 71.14E 252–51 3.8,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=48.3km s-min=41.4km az=149.0.
IDC Error ellipse: s-maj=81.5km s-min=41.7km az=173.0.

(718) Hindu Kush region.

ISC VII 02 12 24 02.5–.38 35.91N–.04 68.85E–.04 35 4.4b,3.4s 196 1-85
IDC VII 02 12 23 56.5–.66 35.65N 68.91E 0 4.3,4.1 **¶601229806**
BJI VII 02 12 23 57.4 35.75N 68.70E 18 4.6b,4.6b
MOS VII 02 12 23 59.4–1.1 35.93N 68.91E 21 4.5b,4.6b
ISCJB VII 02 12 24 00.7–.21 35.90N–.02 68.94E–.03 35 4.3b,3.5s
NNC VII 02 12 24 00.8–3.3 36.16N 68.44E 0 4.8b,4.6
NEIC VII 02 12 24 01.0–1.8 35.80N 68.90E 28–13 4.5b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.5km az=13.0.
MOS Error ellipse: s-maj=7.3km s-min=4.7km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=43.9.
NNC Event type se. Error ellipse: s-maj=29.4km s-min=18.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.8km az=181.0.
ISC VII 02 20 51 03.5–1.2 35.94N–.08 70.5E–.10 110 37 5-82
ISCJB VII 02 20 51 02.5–.59 35.94N–.05 70.33E–.06 110 3.4b **¶601275641**
IDC VII 02 20 51 02.8–4.8 35.86N 70.34E 90–51 3.7,3.7
NNC VII 02 20 51 08.7–4.9 36.47N 70.00E 101–126 3.9,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=139.5.
IDC Error ellipse: s-maj=44.4km s-min=23.8km az=154.0.
NNC Event type se. Error ellipse: s-maj=42.1km s-min=37.2km az=117.0.
NNC VII 03 07 05 38.5–5.4 36.87N 70.65E 0 3.6b,3.2
¶601352101

NNC Event type se. Error ellipse: s-maj=42.1km s-min=36.3km az=164.0.
ISC VII 03 22 14 45.3–.74 36.50N–.06 70.81E–.09 200 3.8b 38 4-81
IDC VII 03 22 14 43.0–3.4 36.20N 71.04E 195–32 4.0,3.5 **¶601505928**
ISCJB VII 03 22 14 44.5–.53 36.49N–.03 70.71E–.07 200 3.6b,3.5
NNC VII 03 22 14 50.3–4.3 37.07N 70.45E 0 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=17.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.0km az=159.6.
NNC Event type se. Error ellipse: s-maj=34.7km s-min=29.9km az=143.0.
ISC VII 04 04 18 31.7–1.2 36.27N–.07 70.7E–.10 110 20 4-17
NNC VII 04 04 18 41.3–3.0 36.84N 70.88E 197–50 3.5,2.6b **¶601404208**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.2km s-min=24.4km az=67.0.
ISC VII 04 23 13 42.0–.83 35.82N–.09 70.28E–.09 100 3.8b 34 7-65
ISCJB VII 04 23 13 40.2–.48 35.78N–.05 70.20E–.06 100 3.7b **¶601505935**
IDC VII 04 23 13 44.2–5.2 36.17N 69.91E 78–30 4.1,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=140.5.
IDC Error ellipse: s-maj=61.7km s-min=17.0km az=154.0.
NNC VII 05 09 26 01.2–3.2 36.85N 70.93E 123–63 3.9,3.1b
¶601404914

NNC Event type se. Error ellipse: s-maj=36.3km s-min=26.6km az=115.0.
NNC VII 05 11 39 55.2–4.0 36.79N 69.72E 163–102 3.5,2.6b
¶601404923

NNC Event type se. Error ellipse: s-maj=47.9km s-min=32.9km az=68.0.
ISC VII 05 14 18 27.8–.45 36.45N–.04 70.68E–.05 204 4.0b 128 3-84
IDC VII 05 14 18 23.8–2.5 36.26N 70.64E 168–21 4.2,3.7 **¶601242480**
BJI VII 05 14 18 25.2 36.62N 70.59E 171 4.5b,4.5b
MOS VII 05 14 18 25.4–.99 36.37N 70.68E 189 4.2b,4.5b
ISCJB VII 05 14 18 27.1–.30 36.44N–.02 70.79E–.05 204 3.8b,4.5b
NNC VII 05 14 18 33.3–2.8 36.98N 70.68E 218–26 5.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=13.3km az=170.0.
MOS Error ellipse: s-maj=11.9km s-min=5.5km az=80.4.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=158.9.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=16.3km az=16.0.
ISC VII 05 17 37 53.5–3.1 37.0N–.20 71.0E–.10 200 20 4-15
NNC VII 05 17 37 53.0–4.1 36.99N 70.71E 183–65 4.0,2.9b **¶601404930**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.4km s-min=38.4km az=89.0.
ISC VII 07 01 42 46.4–.81 36.53N–.07 67.49E–.06 22 3.8b 19 5-84
IDC VII 07 01 42 40.5–1.3 35.95N 67.79E 0 3.6,3.6b **¶601453550**
ISCJB VII 07 01 42 44.1–.81 36.54N–.07 67.50E–.06 22 3.7b,3.6b
NNC VII 07 01 42 51.2–3.8 36.92N 67.78E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=19.9km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.5km az=156.7.
NNC Event type se. Error ellipse: s-maj=29.1km s-min=25.1km az=15.0.
ISC VII 08 21 09 06.7–3.2 36.6N–.20 70.5E–.10 150 14 4-15
NNC VII 08 21 09 09.6–1.4 36.78N 70.59E 174–32 3.8,2.8b **¶601456882**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=10.9km az=66.0.
NNC VII 09 06 19 12.9–5.8 36.38N 70.86E 238–104 3.6,2.5b
¶601457554

NNC Event type se. Error ellipse: s-maj=87.2km s-min=55.2km az=67.0.
ISC VII 11 19 57 34.9–.65 36.32N–.08 69.50E–.06 150 3.4b 33 3-85
ISCJB VII 11 19 57 35.0–.42 36.37N–.05 69.44E–.05 150 3.5b **¶601505976**
IDC VII 11 19 57 35.9–2.8 36.25N 69.63E 163–27 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=24.1.
IDC Error ellipse: s-maj=20.0km s-min=12.8km az=13.0.
NNC VII 12 07 12 11.2–12 36.70N 70.48E 0 3.6b,3.2
¶601472312
NNC Event type se. Error ellipse: s-maj=96.1km s-min=87.0km az=170.0.
ISC VII 12 14 00 34.2–.18 36.51N–.02 70.87E–.02 197–1 5.7b 1927 2-150
SOME VII 12 14 00 31.0 37.12N 70.97E 0 5.5s **¶601268265**
ISCJB VII 12 14 00 32.0–.19 36.50N–.01 70.87E–.01 185–1 5.7b
MOS VII 12 14 00 32.8–.92 36.54N 70.91E 191 6.0b,4.9s
NEIC VII 12 14 00 33.0–.00 36.60N 70.75E 190 6.0b,4.9s
BJI VII 12 14 00 33.7 36.61N 70.96E 190 5.7b,5.5b
NEIC VII 12 14 00 34.3–.12 36.53N 70.91E 198 5.8,5.8W
IDC VII 12 14 00 34.6–.26 36.49N 70.96E 200–2 6.0,5.5
GCMT VII 12 14 00 34.3–.10 36.47N 70.76E 192–0 5.8W,5.5
NNC VII 12 14 00 36.4–2.1 36.89N 70.74E 203–28 6.8,5.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=27.4.
MOS Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=123.4. Felt (II-III) at Shymkent, Dzhambul. Moment Tensor Solution.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}3.71 $M_{\theta\theta}$-3.56 $M_{\phi\phi}$-0.15 $M_{r\theta}$-1.82 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.56 Best double couple: NP1:ϕ_s269.00000°,δ58.00000°,λ104.00000°. NP2:ϕ_s64.00000°,δ34.00000°,λ69.00000°. Principal axes: T 4.2600,Plg72.0000°,Azm214.0000°; N -0.1400,Plg11.0000°,Azm82.0000°; P -4.1200,Plg12.0000°,Azm349.0000° M_o4.20000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=196.0. Felt [IV] at Kabul and Jalalabad; [III] at Bagrami, Jurm and Mahmud-e Raqi. Also felt at Charikar. Felt [IV] at Lahore, Pakistan. Also felt at Dir and Peshawar. Felt [III] at Tashkent, Uzbekistan and [II] at Dushanbe, Tajikistan. Felt [III] at Gurgaon, India. Also felt at Delhi, Jaipur and Noida. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}5.07 $M_{\theta\theta}$-4.33 $M_{\phi\phi}$-0.73 $M_{r\theta}$-3.65 $M_{\theta\phi}$-0.25 $M_{\phi r}$2.03 Best double couple: NP1:ϕ_s76.00000°,δ27.00000°,λ63.00000°. NP2:ϕ_s286.00000°,δ66.00000°,λ103.00000°. Principal axes: T 6.8500,Plg67.0000°,Azm220.0000°; N -1.2300,Plg12.0000°,Azm100.0000°; P -5.6300,Plg20.0000°,Azm6.0000° M_o6.30000×10^{17} Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s260.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s80.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm170.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm350.0000°
IDC Error ellipse: s-maj=5.9km s-min=4.3km az=17.0.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Moment Tensor Solution. s120,c188; s140,c389;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.67±.05 $M_{\theta\theta}$-4.26±.06; $M_{\phi\phi}$-0.41±.05; $M_{r\theta}$-3.29±.05; $M_{\theta\phi}$-0.70±.06; $M_{\phi r}$0.21±.04; Best double couple: NP1: ϕ_s268.00000°,δ63.00000°,λ97.00000°. NP2:ϕ_s73.00000°,δ28.00000°,λ77.00000°. Principal axes: T 5.7800,Plg71.0000°,Azm192.0000°; N -0.3690,Plg6.0000°,Azm85.0000°; P -5.4130,Plg18.0000°,Azm353.0000° M_o5.59700×10^{17}
NNC Event type se. Error ellipse: s-maj=23.7km s-min=12.7km az=167.0.
ISC VII 12 14 07 25.0–.39 36.50N–.05 70.86E–.05 188 4.5b 76 3-91
ISCJB VII 12 14 07 23.8–.30 36.45N–.03 70.89E–.05 188 4.5b **¶601472338**
NEIC VII 12 14 07 24.2–1.4 36.36N 70.92E 181–13 4.5b
IDC VII 12 14 07 25.6–2.0 36.40N 70.90E 193–19 4.9,4.4
NNC VII 12 14 07 30.1–3.9 36.91N 70.84E 195–54 5.4,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=17.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=208.0.
IDC Error ellipse: s-maj=9.4km s-min=7.6km az=22.0.
NNC Event type se. Error ellipse: s-maj=40.6km s-min=36.8km az=84.0.
NNC VII 14 21 05 25.0–1.8 36.83N 70.60E 123–40 3.7,3.0b
¶601483787
NNC Event type se. Error ellipse: s-maj=17.6km s-min=14.1km az=77.0.
ISC VII 16 15 41 19.4–.55 36.40N–.05 70.92E–.06 188 3.3b 72 3-84
IDC VII 16 15 41 18.9–3.0 36.23N 70.91E 187–27 3.9,3.4 **¶601485255**
ISCJB VII 16 15 41 19.3–.34 36.38N–.03 70.87E–.05 188 3.4b,3.4
NNC VII 16 15 41 27.3–1.6 36.97N 70.93E 227–16 4.5,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=18.3km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.1km az=154.6.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=9.9km az=14.0.
ISC VII 16 23 41 58.9–2.5 36.1N–.10 70.6E–.20 110 9 6-7
ISCJB VII 16 23 41 58.3–2.1 36.16N–.08 70.7E–.20 110 **¶601485248**
NNC VII 16 23 42 01.1–9.7 36.64N 70.05E 0 3.8b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.2km s-min=6.9km az=160.2.
NNC Error ellipse: s-maj=84.6km s-min=71.0km az=123.0.
ISC VII 17 07 47 10.0–.50 36.44N–.04 70.90E–.06 188 4.0b 105 2-84
IDC VII 17 07 47 07.1–3.9 36.29N 70.95E 164–33 4.1,3.6 **¶601664710**
ISCJB VII 17 07 47 09.3–.27 36.48N–.02 70.90E–.05 188 4.0b,3.6
NEIC VII 17 07 47 10.8–.54 36.54N 70.81E 184–6 4.2b,3.6
BJI VII 17 07 47 10.2 36.68N 70.74E 185 4.6b,4.5b
NNC VII 17 07 47 15.6–2.2 36.97N 70.84E 212–31 4.2,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=16.4km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=163.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.3km az=119.0.
NNC Event type se. Error ellipse: s-maj=24.9km s-min=19.2km az=68.0.
NNC VII 17 10 14 08.8–.98 36.85N 70.93E 145–27 3.7,2.8b
¶601497210
NNC Event type se. Error ellipse: s-maj=13.8km s-min=8.3km az=78.0.
NNC VII 17 11 46 05.1–3.5 36.99N 70.77E 0 3.9b,3.5
¶601497217
NNC Event type se. Error ellipse: s-maj=33.1km s-min=23.4km az=139.0.
ISC VII 19 01 05 42.0–.64 36.52N–.06 70.74E–.06 200 3.6b 45 4-84
IDC VII 19 01 05 39.2–2.8 36.26N 70.82E 183–25 4.0,3.5 **¶601503025**
ISCJB VII 19 01 05 40.8–.40 36.48N–.04 70.73E–.05 200 3.5b,3.5
NNC VII 19 01 05 43.5–2.5 37.02N 70.31E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=16.2km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=145.6.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=14.8km az=166.0.
ISC VII 19 20 05 24.9–.63 36.59N–.05 70.55E–.06 204 3.7b 52 3-85
IDC VII 19 20 05 21.6–2.8 36.27N 70.59E 177–25 4.2,3.7 **¶601503057**
ISCJB VII 19 20 05 24.2–.39 36.57N–.03 70.62E–.05 204 3.7b,3.7
NNC VII 19 20 05 25.1–3.3 37.03N 70.09E 0 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.1km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=160.1.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=19.8km az=163.0.
NNC VII 20 08 20 27.8–3.5 36.44N 70.36E 0 3.6b,3.2
¶601513156
NNC Event type se. Error ellipse: s-maj=28.6km s-min=25.4km az=129.0.
NNC VII 21 21 32 56.1–4.3 36.95N 70.94E 0 3.6b,3.2
¶601517997
NNC Event type se. Error ellipse: s-maj=37.6km s-min=31.1km az=137.0.
NNC VII 22 01 35 30.7–3.8 36.98N 70.93E 0 3.9b,3.5
¶601518279
NNC Event type se. Error ellipse: s-maj=32.7km s-min=26.6km az=130.0.
NNC VII 23 10 00 46.1–6.2 36.76N 69.19E 0 3.7b,3.3
¶601519849
NNC Event type se. Error ellipse: s-maj=47.4km s-min=43.4km az=179.0.
ISC VII 23 12 10 29.4–.36 36.03N–.04 69.29E–.04 10 4.5b,3.3s 223 1-85
NNC VII 23 12 10 21.8–2.0 35.88N 68.76E 0 4.9b,4.7 **¶601459526**
MOS VII 23 12 10 27.3–1.3 36.16N 69.39E 33 4.6b,4.7
IDC VII 23 12 10 27.5–.69 35.99N 69.40E 0 4.4,4.3
ISCJB VII 23 12 10 28.0–.22 36.06N–.02 69.37E–.03 10 4.4b,3.3s
BJI VII 23 12 10 29.0 36.19N 69.38E 9 4.7b,4.6b
NEIC VII 23 12 10 29.6–.31 36.07N 69.41E 10 4.6b,4.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=12.5km az=22.0.
MOS Error ellipse: s-maj=7.5km s-min=4.5km az=78.0.
IDC Error ellipse: s-maj=15.4km s-min=11.7km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=160.8.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=166.0.
ISC VII 23 17 55 48.8–1.8 36.0N–.10 69.6E–.20 10 11 5-85
IDC VII 23 17 55 45.6–6.5 35.93N 69.21E 0 3.6,3.4 **¶601519840**
NNC VII 23 17 56 17.7–6.0 37.09N 70.42E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=197.9km s-min=25.8km az=100.0.
NNC Event type se. Error ellipse: s-maj=45.5km s-min=37.7km az=178.0.
NNC VII 23 22 09 14.0–4.2 36.27N 69.55E 0 4.1b,3.8
¶601519836
NNC Event type se. Error ellipse: s-maj=38.4km s-min=28.8km az=145.0.
ISC VII 24 20 07 00.9–.71 36.56N–.06 69.44E–.06 100 4.7b 60 2-55
ISCJB VII 24 20 06 59.4–.50 36.49N–.04 69.42E–.05 100 4.4b **¶601468509**
NEIC VII 24 20 07 00.3–.91 36.43N 69.36E 100–12 4.2b
IDC VII 24 20 07 00.5–4.8 36.48N 69.51E 107–28 3.8,3.5b
BJI VII 24 20 07 02.6 36.19N 69.99E 99 4.7b,4.6b
NNC VII 24 20 07 03.5–3.1 36.69N 69.53E 170–67 3.9,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.0km az=147.6.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.3km az=94.0.
IDC Error ellipse: s-maj=54.3km s-min=17.8km az=160.0.
NNC Event type se. Error ellipse: s-maj=34.2km s-min=21.9km az=60.0.
ISC VII 25 14 51 16.6–.37 36.04N–.04 69.15E–.04 35 4.5b 243 1-85
IDC VII 25 14 51 11.2–.55 35.87N 69.23E 0 4.3,4.2 **¶601468518**
BJI VII 25 14 51 13.5 36.14N 69.26E 14 4.7b,4.6b
NEIC VII 25 14 51 14.0–2.3 36.06N 69.26E 16–14 4.7b,4.6b
MOS VII 25 14 51 15.7–1.2 36.08N 69.32E 37 4.7b,4.6b
ISCJB VII 25 14 51 15.2–.21 36.04N–.02 69.27E–.03 35 4.4b,3.6s
NNC VII 25 14 51 19.1–2.9 36.11N 69.19E 111–41 4.6,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=10.4km az=6.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=178.0.
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=81.2.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=146.1.
NNC Event type se. Error ellipse: s-maj=22.4km s-min=19.0km az=22.0.
ISC VII 28 22 51 14.5–.49 36.45N–.05 70.77E–.06 188 3.8b 95 2-98
IDC VII 28 22 51 11.5–4.0 36.21N 70.68E 168–35 4.0,3.5 **¶601484775**
SOME VII 28 22 51 12.0 37.23N 70.50E 0 4.0,3.5
ISCJB VII 28 22 51 14.0–.30 36.51N–.02 70.71E–.05 188 4.0b,3.5
BJI VII 28 22 51 13.7 36.45N 70.69E 196 4.7b,4.4b
NEIC VII 28 22 51 15.5–.42 36.53N 70.66E 189–5 4.2b,4.4b
NNC VII 28 22 51 19.3–1.3 36.85N 70.70E 200–10 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=15.3km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=179.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.8km az=116.0.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=9.3km az=41.0.
ISC VII 28 23 55 09.4–1.7 36.4N–.10 70.6E–.10 100 3.7b 16 6-65
ISCJB VII 28 23 55 06.4–1.3 36.28N–.10 70.67E–.10 100 3.5b **¶601666593**
SOME VII 28 23 55 06.3 37.27N 70.20E 0 3.5b
IDC VII 28 23 55 09.8–6.0 36.37N 70.76E 115–58 3.6,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=8.5km az=148.0.
IDC Error ellipse: s-maj=54.0km s-min=40.5km az=124.0.
NNC VII 29 01 58 51.3–3.6 36.81N 69.43E 0 4.1b,3.9
¶601553162
NNC Event type se. Error ellipse: s-maj=31.4km s-min=23.9km az=168.0.
ISC VII 29 10 20 34.5–.65 36.26N–.05 69.74E–.07 150 3.3b 36 3-85
IDC VII 29 10 20 28.6–3.8 35.89N 69.88E 79–34 3.7s,3.7 **¶601553174**
ISCJB VII 29 10 20 33.8–.46 36.27N–.03 69.76E–.06 150 3.3b,3.7
NNC VII 29 10 20 37.5–2.5 36.53N 69.61E 133–41 4.4,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=19.5km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=178.4.
NNC Event type se. Error ellipse: s-maj=22.6km s-min=20.4km az=149.0.
NNC VII 30 01 56 00.0–3.4 36.53N 68.64E 0 3.7b,3.4
¶601553721
NNC Event type se. Error ellipse: s-maj=25.5km s-min=20.3km az=2.0.
NNC VII 30 02 02 34.9–2.7 36.54N 68.77E 0 4.0b,3.6
¶601553722
NNC Event type se. Error ellipse: s-maj=21.2km s-min=18.8km az=158.0.
ISC VII 30 22 06 01.0–.91 36.49N–.06 70.82E–.09 35 3.7b 15 3-43
ISCJB VII 30 22 05 59.5–.62 36.55N–.04 70.69E–.07 35 3.6b **¶601553770**
NNC VII 30 22 06 05.0–2.1 36.97N 70.84E 0 3.4b,3.0
IDC VII 30 22 06 07.7–6.5 38.05N 70.31E 0 3.7b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=5.6.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=13.9km az=165.0.
IDC Error ellipse: s-maj=114.9km s-min=33.7km az=155.0.
NNC VII 31 00 59 02.4–3.4 36.75N 70.28E 0 3.6b,3.2
¶601556837
NNC Event type se. Error ellipse: s-maj=26.7km s-min=24.5km az=153.0.
NNC VII 31 13 56 17.3–15 36.94N 70.73E 0 3.7b,3.4
¶601556878
NNC Event type se. Error ellipse: s-maj=116.4km s-min=98.2km az=167.0.
ISC VII 31 17 02 35.4–.39 36.37N–.04 70.89E–.04 100 4.3b 193 2-84
IDC VII 31 17 02 31.5–2.8 36.16N 71.04E 75–25 4.1,3.9 **¶601498285**
ISCJB VII 31 17 02 33.8–.21 36.36N–.02 70.93E–.03 100 4.3b,3.9
BJI VII 31 17 02 34.9 36.51N 70.77E 116 4.7b,4.6b
NEIC VII 31 17 02 35.8–.71 36.41N 70.99E 104–7 4.5b,4.6b
MOS VII 31 17 02 35.9–1.2 36.46N 71.01E 117 4.4b,4.6b
NNC VII 31 17 02 38.0–4.0 37.01N 70.39E 0 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=13.3km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=144.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.6km az=172.0.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=86.8.
NNC Event type se. Error ellipse: s-maj=32.1km s-min=22.6km az=167.0.
NNC VII 31 23 20 31.1–2.9 36.68N 70.08E 0 3.5b,3.1
¶601556885
NNC Event type se. Error ellipse: s-maj=22.9km s-min=21.1km az=152.0.
NNC VIII 03 01 07 27.3–3.7 36.41N 70.19E 0 4.0b,3.6
¶601564447
NNC Event type se. Error ellipse: s-maj=31.7km s-min=26.2km az=129.0.
NNC VIII 03 01 59 26.9–7.3 36.99N 70.09E 0 3.8b,3.4
¶601564448
NNC Event type se. Error ellipse: s-maj=55.5km s-min=46.6km az=0.0.
ISC VIII 03 22 15 12.3–2.4 36.5N–.20 70.6E–.10 204 26 4-41
NNC VIII 03 22 15 13.4–4.4 36.87N 70.29E 0 4.2b,3.8 **¶601564497**
IDC VIII 03 22 15 15.8–22 36.42N 70.99E 265–129 3.7,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.1km s-min=30.9km az=140.0.
IDC Error ellipse: s-maj=232.2km s-min=51.7km az=179.0.
ISC VIII 05 18 22 54.2–1.6 36.7N–.10 70.7E–.10 204 3.4b 19 4-65
IDC VIII 05 18 22 47.6–5.9 36.11N 70.69E 166–57 3.5,3.1b **¶601565830**
ISCJB VIII 05 18 22 55.0–1.3 36.8N–.10 70.7E–.10 204 3.3b,3.1b
NNC VIII 05 18 22 56.9–2.4 37.09N 70.59E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=57.9km s-min=40.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=10.8km az=135.8.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=16.6km az=141.0.
ISC VIII 06 14 25 56.1–4.5 36.8N–.20 70.6E–.20 200 14 4-15
NNC VIII 06 14 25 56.9–4.0 36.91N 70.59E 216–67 3.6,2.4b **¶601566289**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.4km s-min=38.6km az=69.0.
NNC VIII 06 14 29 29.6–3.9 36.59N 69.73E 154–89 3.5,2.7b
¶601566290
NNC Event type se. Error ellipse: s-maj=37.2km s-min=33.9km az=68.0.

ISC VIII 06 17 43 30.6–2.1 36.6N–.20 70.8E–.10 100 3.6b 29 4-84
IDC VIII 06 17 43 30.0–6.4 36.38N 71.39E 124–53 4.0s,4.0 ¶601566294
NNC VIII 06 17 43 32.2–2.1 36.71N 70.80E 123–41 4.1,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=18.1km az=30.0.
NNC Event type se. Error ellipse: s-maj=23.9km s-min=17.2km az=116.0.
NNC VIII 06 23 41 14.2–9.3 36.41N 70.18E 0 3.7b,3.3
¶601566301

NNC Event type se. Error ellipse: s-maj=79.6km s-min=59.4km az=166.0.
ISC VIII 08 06 16 42.0–1.7 36.3N–.10 70.3E–.10 204 15 4-65
ISCJB VIII 08 06 16 39.9–1.5 36.2N–.10 70.2E–.20 204 3.4b ¶601610365
IDC VIII 08 06 16 43.7–5.4 36.24N 70.57E 245–61 3.7,3.3b
NNC VIII 08 06 16 50.8–6.9 37.09N 70.07E 0 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=12.3km az=41.6.
IDC Error ellipse: s-maj=72.8km s-min=46.1km az=121.0.
NNC Event type se. Error ellipse: s-maj=68.6km s-min=44.5km az=154.0.
ISC VIII 09 04 03 58.4–2.6 36.9N–.20 70.7E–.10 200 18 4-15
SOME VIII 09 04 03 50.4 37.28N 70.42E 5 ¶601614465
NNC VIII 09 04 03 57.0–2.1 36.78N 70.49E 162–35 3.9,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=15.8km az=58.0.
NNC VIII 09 08 55 02.5–3.1 36.62N 70.45E 85–131 3.6,3.2b
¶601614455

NNC Event type se. Error ellipse: s-maj=39.8km s-min=24.3km az=100.0.
NNC VIII 11 01 58 37.0–2.8 36.73N 69.40E 0 3.8b,3.5
¶601625716

NNC Event type se. Error ellipse: s-maj=23.7km s-min=19.9km az=133.0.
NNC VIII 12 22 12 27.0–10 36.61N 69.97E 0 3.7b,3.3
¶601626430

NNC Event type se. Error ellipse: s-maj=78.3km s-min=66.6km az=171.0.
ISC VIII 13 13 12 32.0–3.2 36.9N–.20 70.9E–.10 200 15 4-15
NNC VIII 13 13 12 31.6–2.3 36.97N 70.90E 222–37 3.7,2.5b ¶601626884
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.9km s-min=20.2km az=69.0.
ISC VIII 14 00 07 35.0–.67 36.80N–.05 70.87E–.06 100 3.8b 44 3-66
IDC VIII 14 00 07 27.8–4.8 36.30N 71.37E 49–32 3.8,3.8L ¶601565845
NNC VIII 14 00 07 35.8–2.2 36.92N 70.73E 120–38 3.8,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=23.0km az=146.0.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=16.1km az=158.0.
ISC VIII 14 00 45 50.5–.44 36.48N–.04 70.21E–.05 213 3.8b 108 2-85
IDC VIII 14 00 45 47.9–2.8 36.21N 70.35E 205–23 3.9,3.4 ¶601557030
ISCJB VIII 14 00 45 49.8–.23 36.47N–.02 70.19E–.04 213 3.8b,3.4
BJI VIII 14 00 45 49.5 36.50N 70.10E 213 4.5b,4.4b
NEIC VIII 14 00 45 51.5–.41 36.53N 70.10E 213–4 4.1b,4.4b
NNC VIII 14 00 45 55.0–2.8 36.86N 70.22E 229–27 4.2,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=15.1km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.7km az=152.1.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=139.0.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=16.2km az=23.0.
ISC VIII 14 02 39 30.0–.46 36.55N–.03 70.91E–.03 201–4 4.3b 321 3-91
BJI VIII 14 02 39 25.0 36.56N 70.44E 198 4.7b,4.6b ¶601557034
MOS VIII 14 02 39 29.2–.88 36.51N 70.97E 205 4.2b,4.6b
ISCJB VIII 14 02 39 29.3–.25 36.54N–.02 70.88E–.02 202–2 4.2b,4.6b
IDC VIII 14 02 39 30.5–2.0 36.43N 70.95E 205–19 4.5,4.0
NEIC VIII 14 02 39 31.1–1.9 36.54N 70.89E 206–6 4.4b,4.0
NNC VIII 14 02 39 32.4–1.7 36.81N 70.77E 202–19 5.3,4.1b
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.4km az=85.5.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=160.9.
IDC Error ellipse: s-maj=9.1km s-min=7.3km az=17.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.6km az=83.0.
NNC Event type se. Error ellipse: s-maj=17.3km s-min=10.9km az=179.0.
NNC VIII 14 04 51 28.3–3.4 36.86N 70.41E 0 3.5b,3.2
¶601628126

NNC Event type se. Error ellipse: s-maj=27.4km s-min=25.0km az=160.0.
ISC VIII 14 10 33 53.3–1.2 36.4N–.10 71.0E–.10 188 3.7b 18 6-66
IDC VIII 14 10 33 45.9–7.0 35.87N 70.63E 120–70 3.9,3.6 ¶601628145
NNC VIII 14 10 33 59.3–3.6 37.06N 70.92E 0 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=23.1km az=40.0.
NNC Error ellipse: s-maj=32.4km s-min=26.7km az=71.0.
NNC VIII 14 18 21 43.8–2.2 36.80N 70.50E 0 3.8b,3.4
¶601628155

NNC Event type se. Error ellipse: s-maj=17.1km s-min=15.8km az=153.0.
NNC VIII 21 11 13 34.0–2.2 36.78N 70.94E 118–68 3.7,3.0b
¶601673407

NNC Event type se. Error ellipse: s-maj=28.3km s-min=17.8km az=78.0.
ISC VIII 22 13 07 13.1–.76 36.53N–.06 70.99E–.08 200 34 3-84
ISCJB VIII 22 13 07 12.7–.57 36.58N–.04 70.98E–.08 200 3.2b ¶601674858
IDC VIII 22 13 07 14.2–3.7 36.59N 71.01E 221–39 3.7,3.1
NNC VIII 22 13 07 31.3–6.9 38.17N 70.70E 0 3.5b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.7km az=163.9.
IDC Error ellipse: s-maj=35.8km s-min=24.3km az=149.0.
NNC Event type se. Error ellipse: s-maj=56.5km s-min=44.0km az=176.0.
NNC VIII 22 13 54 02.7–1.9 36.78N 70.33E 0 3.5b,3.2
¶601674861

NNC Event type se. Error ellipse: s-maj=17.7km s-min=13.4km az=142.0.
ISC VIII 24 08 32 02.5–.58 36.44N–.05 70.13E–.07 213 3.5b 42 3-85
IDC VIII 24 08 32 01.3–2.7 36.24N 70.05E 202–25 3.8,3.3 ¶601687089
ISCJB VIII 24 08 32 02.1–.43 36.48N–.03 70.04E–.06 213 3.4b,3.3
NNC VIII 24 08 32 07.8–3.7 37.10N 69.78E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=17.1km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=161.7.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=22.8km az=7.0.
ISC VIII 24 09 01 51.6–.54 36.41N–.05 70.44E–.07 204 3.7b 58 3-85
IDC VIII 24 09 01 49.2–2.5 36.24N 70.42E 183–22 4.1,3.6 ¶601687086
ISCJB VIII 24 09 01 50.9–.38 36.45N–.03 70.44E–.06 204 3.7b,3.6
NNC VIII 24 09 01 53.2–3.0 36.87N 70.13E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.4km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=167.6.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=21.2km az=143.0.
NNC VIII 25 03 35 59.6–3.1 36.48N 69.60E 158–68 3.6,2.8b
¶601695547

NNC Event type se. Error ellipse: s-maj=28.6km s-min=27.2km az=60.0.
NNC VIII 27 03 02 18.3–6.7 36.52N 69.87E 150–200 3.6,2.8b
¶601697103

NNC Event type se. Error ellipse: s-maj=73.4km s-min=53.1km az=60.0.
NNC VIII 28 14 54 48.2–2.3 36.97N 70.63E 0 4.0b,3.7
¶601702744

NNC Event type se. Error ellipse: s-maj=18.2km s-min=16.0km az=143.0.
ISC VIII 30 04 34 47.7–.45 36.42N–.05 70.41E–.05 204 3.8b 71 3-149
IDC VIII 30 04 34 45.6–2.2 36.30N 70.44E 183–19 4.1,3.6 ¶601712286
ISCJB VIII 30 04 34 47.4–.30 36.47N–.03 70.38E–.04 204 3.7b,3.6
NNC VIII 30 04 34 50.6–5.3 37.06N 69.98E 0 4.3b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=11.4km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=161.3.
NNC Event type se. Error ellipse: s-maj=53.1km s-min=32.9km az=151.0.
ISC IX 03 15 28 31.0–.61 36.50N–.06 70.83E–.06 188 3.7b 52 4-84
IDC IX 03 15 28 28.0–2.4 36.24N 70.87E 160–22 4.0,3.6 ¶601718552
ISCJB IX 03 15 28 30.0–.41 36.45N–.04 70.80E–.05 188 3.7b,3.6
NNC IX 03 15 28 36.0–2.8 36.89N 70.83E 197–29 4.3,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=12.2km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=146.1.
NNC Event type se. Error ellipse: s-maj=28.2km s-min=15.5km az=13.0.
ISC IX 06 18 36 19.1–.44 36.55N–.05 70.86E–.05 188 3.6b 70 4-84
ISCJB IX 06 18 36 17.9–.35 36.48N–.03 70.72E–.05 188 3.8b ¶601731812
IDC IX 06 18 36 20.3–2.1 36.48N 71.02E 211–21 4.1,3.6
NNC IX 06 18 36 22.4–4.3 36.97N 70.71E 0 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=158.3.
IDC Error ellipse: s-maj=12.3km s-min=9.8km az=170.0.
NNC Event type se. Error ellipse: s-maj=36.8km s-min=30.7km az=130.0.
ISC IX 07 04 48 04.2–3.4 36.8N–.20 70.4E–.10 200 16 4-16
NNC IX 07 04 48 04.1–5.1 36.82N 70.00E 143–99 3.6,2.9b ¶601735332
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.2km s-min=44.6km az=91.0.
ISC IX 09 01 26 14.9–2.2 36.9N–.10 70.81E–.09 88 14 4-85
NNC IX 09 01 26 11.8–3.1 37.02N 70.75E 0 4.2b,4.0 ¶601736744
IDC IX 09 01 26 24.2–4.7 39.57N 69.61E 0 4.1,4.1s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=18.7km az=164.0.
IDC Error ellipse: s-maj=94.9km s-min=22.0km az=163.0.
ISC IX 09 15 21 21.6–.51 36.14N–.05 70.60E–.05 110 3.6b 90 2-97
ISCJB IX 09 15 21 20.6–.30 36.09N–.02 70.73E–.04 110 3.7b ¶601696972
IDC IX 09 15 21 21.4–2.9 36.06N 70.58E 99–26 3.8,3.5
NEIC IX 09 15 21 22.5–.47 36.20N 70.61E 110–7 4.1b,3.5
BJI IX 09 15 21 23.3 36.09N 70.90E 107 4.8b,4.5b
NNC IX 09 15 21 24.4–2.1 36.76N 70.20E 0 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=173.0.
IDC Error ellipse: s-maj=19.8km s-min=14.5km az=21.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.5km az=127.0.
NNC Event type se. Error ellipse: s-maj=17.1km s-min=13.0km az=164.0.
ISC IX 09 21 39 58.5–1.8 36.57N–.07 70.9E–.20 200 22 4-17
NNC IX 09 21 40 02.5–3.3 37.08N 70.56E 0 4.0b,3.7 ¶601736772
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=20.7km az=154.0.
NNC IX 10 02 08 00.3–2.4 35.52N 69.98E 0 3.9b,3.5
¶601738018

NNC Event type se. Error ellipse: s-maj=24.8km s-min=18.3km az=120.0.
NNC IX 10 11 22 40.1–2.5 35.55N 70.09E 0 3.7b,3.4
¶601738035

NNC Event type se. Error ellipse: s-maj=24.8km s-min=18.7km az=117.0.
ISC IX 10 16 14 10.4–1.2 36.02N–.10 69.92E–.07 124 30 5-85
IDC IX 10 16 14 06.9–4.8 35.78N 70.05E 92–50 3.7,3.4 ¶601738041
ISCJB IX 10 16 14 09.0–.82 36.00N–.06 69.98E–.06 124 3.1b,3.4
NNC IX 10 16 14 10.1–2.9 36.42N 69.75E 0 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=20.5km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=154.2.
NNC Event type se. Error ellipse: s-maj=24.5km s-min=18.9km az=155.0.
ISC IX 13 16 47 59.8–.98 36.51N–.08 70.1E–.10 213 3.1b 30 4-85
IDC IX 13 16 47 57.7–4.1 36.21N 70.58E 168–41 3.5,3.1 ¶601742107
NNC IX 13 16 48 06.0–3.7 37.22N 69.92E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=19.3km az=164.0.
NNC Event type se. Error ellipse: s-maj=27.3km s-min=24.5km az=5.0.
ISC IX 13 20 10 40.4–2.5 36.3N–.20 68.8E–.10 43 13 5-41
NNC IX 13 20 10 44.7–6.6 36.75N 68.93E 0 3.8b,3.3 ¶601742114
IDC IX 13 20 10 48.2–9.9 36.47N 69.39E 124–73 3.6,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=50.3km s-min=43.3km az=5.0.
IDC Error ellipse: s-maj=94.1km s-min=65.8km az=155.0.
NNC IX 14 03 01 04.4–1.3 36.89N 70.80E 192–23 3.6,2.5b
¶601751667

NNC Event type se. Error ellipse: s-maj=19.7km s-min=11.8km az=73.0.
ISC IX 14 06 45 08.5–.59 36.40N–.04 69.75E–.04 165–6 4.5b 310 2-160
IDC IX 14 06 45 07.1–2.3 36.24N 69.71E 154–20 4.5,4.2 ¶601714123
MOS IX 14 06 45 08.4–.94 36.39N 69.77E 176 4.6b,4.2
BJI IX 14 06 45 08.9 36.45N 69.79E 168 4.9b,4.6b
ISCJB IX 14 06 45 08.2–.28 36.39N–.02 69.77E–.03 172–3 4.4b,4.6b
NEIC IX 14 06 45 09.1–.42 36.36N 69.75E 170–3 4.5b,4.6b
NNC IX 14 06 45 12.2–2.0 36.74N 69.62E 193–23 5.2,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=9.3km az=9.0.
MOS Error ellipse: s-maj=7.9km s-min=4.5km az=81.2.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=161.8.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=164.0.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=13.5km az=3.0.
NNC IX 16 02 46 35.4–5.9 36.94N 70.75E 0 3.7b,3.3
¶601768485

NNC Event type se. Error ellipse: s-maj=45.7km s-min=38.4km az=167.0.
ISC IX 16 04 21 45.1–1.6 35.0N–.20 69.2E–.10 10 7 6-82
ISCJB IX 16 04 21 43.1–1.5 35.1N–.20 69.2E–.20 10 3.6b ¶601863633
IDC IX 16 04 21 43.1–1.9 34.90N 69.31E 0 3.7,3.6
NNC IX 16 04 21 49.6–4.0 37.14N 68.62E 0 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.8km s-min=17.8km az=164.7.
IDC Error ellipse: s-maj=39.3km s-min=35.9km az=95.0.
NNC Event type se. Error ellipse: s-maj=28.6km s-min=21.4km az=9.0.
ISC IX 16 16 03 49.7–2.1 36.7N–.20 70.80E–.10 100 15 4-41
IDC IX 16 16 03 50.9–7.4 36.50N 70.68E 119–47 3.7b,3.5 ¶601768515
NNC IX 16 16 03 50.7–3.0 36.83N 71.11E 204–44 3.6,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=101.5km s-min=29.7km az=163.0.
NNC Event type se. Error ellipse: s-maj=33.8km s-min=24.2km az=67.0.
ISC IX 18 23 20 56.8–1.2 36.60N–.10 70.9E–.10 188 3.3b 21 4-84
IDC IX 18 23 20 35.0–1.1 35.70N 70.80E 0 3.8,3.7 ¶601775963
ISCJB IX 18 23 20 55.8–.87 36.54N–.07 71.0E–.10 188 3.2b,3.7
NNC IX 18 23 21 01.7–1.9 36.94N 70.83E 185–26 3.4,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=26.1km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.4km az=25.4.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=15.2km az=60.0.
ISC IX 19 20 07 47.7–1.0 36.64N–.08 70.65E–.09 204 23 4-20
IDC IX 19 20 07 45.5–4.8 38.38N 68.62E 0 3.6,3.6 ¶601779454
ISCJB IX 19 20 07 49.5–.83 36.69N–.05 70.9E–.10 204 3.6,3.6
NNC IX 19 20 07 49.6–6.5 37.00N 70.46E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=109.8km s-min=25.4km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.4km az=167.7.
NNC Event type se. Error ellipse: s-maj=59.6km s-min=41.4km az=150.0.
ISC IX 21 22 59 24.5–.40 36.32N–.04 70.21E–.04 100 3.9b 164 2-82
IDC IX 21 22 59 22.0–3.6 36.12N 70.32E 79–35 4.0,3.8 ¶601736479
BJI IX 21 22 59 23.0 36.31N 69.99E 116 4.8b,4.7b
ISCJB IX 21 22 59 23.5–.21 36.25N–.02 70.30E–.03 100 3.9b,4.7b
MOS IX 21 22 59 25.5–.96 36.35N 70.29E 121 4.1b,4.7b
NEIC IX 21 22 59 25.9–.55 36.34N 70.21E 110–7 4.2b,4.7b
NNC IX 21 22 59 28.1–1.7 36.60N 69.96E 118–19 4.5,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=15.4km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.7km az=172.0.
MOS Error ellipse: s-maj=8.9km s-min=4.9km az=81.1.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.8km az=141.0.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=9.2km az=160.0.
ISC IX 22 08 46 32.4–.39 36.49N–.04 70.12E–.04 219–4 4.2b 250 2-150
ISCJB IX 22 08 46 30.8–.26 36.48N–.02 70.18E–.03 216–3 4.1b ¶601736788
MOS IX 22 08 46 31.5–.91 36.49N 70.31E 224 4.4b
NEIC IX 22 08 46 31.7–.59 36.46N 70.30E 210–5 4.4b
BJI IX 22 08 46 31.0 36.62N 70.28E 206 4.6b,4.5b
IDC IX 22 08 46 32.8–.53 36.45N 70.26E 230–4 4.4,3.9
NNC IX 22 08 46 32.2–1.5 37.15N 69.57E 0 5.2b,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=19.3.

MOS Error ellipse: s-maj=8.5km s-min=4.7km az=78.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=145.0.
IDC Error ellipse: s-maj=8.8km s-min=7.6km az=156.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=7.7km az=160.0.
NNC IX 22 22 09 15.1–2.2 36.80N 70.43E 0 4.0b,3.6
¶601792377

NNC Event type se. Error ellipse: s-maj=18.0km s-min=16.5km az=136.0.
ISC IX 23 07 23 18.6–.77 36.26N–.08 70.87E–.08 188 3.2b 39 4-84
ISCJB IX 23 07 23 17.9–.58 36.20N–.04 70.77E–.09 188 3.3b **¶601794171**
IDC IX 23 07 23 22.9–3.7 36.20N 70.98E 235–35 3.6,3.1
NNC IX 23 07 23 28.3–3.7 36.89N 71.18E 224–44 4.0,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.3km az=159.2.
IDC Error ellipse: s-maj=25.3km s-min=20.6km az=37.0.
NNC Event type se. Error ellipse: s-maj=38.5km s-min=35.4km az=110.0.
ISC IX 23 07 32 48.0–.58 36.13N–.05 70.16E–.07 124 3.7b 55 3-85
IDC IX 23 07 32 44.3–3.8 35.82N 70.03E 90–33 4.0,3.7 **¶601794169**
ISCJB IX 23 07 32 47.0–.42 36.14N–.03 70.21E–.06 124 3.7b,3.7
NNC IX 23 07 32 51.1–3.2 36.45N 69.96E 117–57 4.4,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=19.4km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.8km az=165.3.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=25.3km az=122.0.
ISC IX 24 20 05 47.5–.50 36.65N–.05 70.92E–.05 188 3.7b 61 3-84
IDC IX 24 20 05 45.7–2.7 36.36N 70.93E 178–26 3.9,3.5 **¶601794655**
ISCJB IX 24 20 05 47.4–.35 36.59N–.03 71.00E–.04 188 3.6b,3.5
NNC IX 24 20 05 53.5–2.5 37.04N 70.99E 212–28 4.4,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=12.8km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=150.7.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=16.5km az=174.0.
ISC IX 25 06 56 27.8–1.6 36.20N–.09 70.8E–.10 100 28 4-16
ISCJB IX 25 06 56 28.3–1.0 36.16N–.05 71.0E–.10 100 **¶601795533**
NNC IX 25 06 56 34.9–3.1 36.94N 70.61E 0 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=5.7km az=164.9.
NNC Event type se. Error ellipse: s-maj=25.1km s-min=19.6km az=157.0.
ISC IX 25 08 33 00.5–.45 36.33N–.03 69.14E–.02 29–3 5.2b,4.8s 635 2-149
ISCJB IX 25 08 32 57.2–.65 36.30N–.02 69.19E–.02 16–4 5.1b,4.8s **¶601739374**
GCMT IX 25 08 32 59.7–.20 36.46N–.01 69.06E–.02 26–0 5.2W,4.8s
MOS IX 25 08 32 59.7–1.0 36.35N 69.18E 33 5.3b,4.9s
BJI IX 25 08 33 00.9 36.63N 69.28E 32 5.2b,5.1b
NEIC IX 25 08 33 00.7–1.2 36.28N 69.21E 30–8 5.2b,5.1b
IDC IX 25 08 33 00.4–3.8 36.24N 69.20E 31–27 4.8,4.7
NNC IX 25 08 33 01.6–1.8 36.78N 68.88E 0 5.7b,5.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=32.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c125; s97,c167;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.19 $M_{\theta\theta}$-2.78±.14; $M_{\phi\phi}$-1.95±.13; $M_{r\theta}$-3.80±.31; $M_{\theta\phi}$-4.52±.11; $M_{\phi r}$-3.10±.29; Best double couple: NP1:ϕ_s231.00000°,δ65.00000°,λ93.00000°. NP2:ϕ_s43.00000°,δ25.00000°,λ83.00000°. Principal axes: T 6.5310,Plg70.0000° ,Azm147.0000°; N 2.1600,Plg3.0000°,Azm49.0000°; P -8.6910,Plg20.0000°,Azm318.0000° M_o7.61100×10^{16}
MOS Error ellipse: s-maj=4.8km s-min=3.8km az=95.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=189.0. Felt [II] at Kabul. Also felt at Ishkamesh and Kunduz. Felt in the Dushanbe area, Tajikistan.
IDC Error ellipse: s-maj=11.5km s-min=8.5km az=8.0.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=11.1km az=169.0.
NNC IX 25 19 23 20.1–4.2 36.79N 69.05E 0 3.6b,3.2
¶601795568

NNC Event type se. Error ellipse: s-maj=33.3km s-min=30.2km az=148.0.
NNC IX 26 05 37 44.8–3.3 36.96N 70.62E 0 3.8b,3.4
¶601819437

NNC Event type se. Error ellipse: s-maj=25.7km s-min=23.7km az=161.0.
NNC IX 26 13 29 26.8–4.2 36.99N 70.53E 0 4.0b,3.6
¶601819454

NNC Event type se. Error ellipse: s-maj=34.2km s-min=30.4km az=129.0.
NNC IX 26 19 17 48.4–2.4 36.85N 69.95E 207–42 3.5,2.5b
¶601819460

NNC Event type se. Error ellipse: s-maj=29.0km s-min=17.3km az=59.0.
ISC IX 27 02 23 02.7–.98 36.55N–.09 70.83E–.07 200 3.5b 33 4-84
ISCJB IX 27 02 23 01.1–.79 36.47N–.08 70.92E–.07 200 3.3b **¶601824397**
IDC IX 27 02 23 01.1–3.4 36.32N 70.83E 193–32 3.8,3.4
NNC IX 27 02 23 04.8–3.2 37.05N 70.42E 0 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.7km az=149.4.
IDC Error ellipse: s-maj=22.0km s-min=19.0km az=6.0.
NNC Event type se. Error ellipse: s-maj=25.6km s-min=19.9km az=162.0.
NNC IX 28 00 22 41.8–3.3 36.79N 70.63E 167–50 3.6,2.8b
¶601828782

NNC Event type se. Error ellipse: s-maj=32.1km s-min=22.3km az=151.0.
NNC IX 28 18 16 20.0–5.2 36.88N 70.71E 124–119 3.8,3.1b
¶601828825

NNC Event type se. Error ellipse: s-maj=46.7km s-min=41.5km az=80.0.
ISC IX 30 14 41 20.0–2.0 36.5N–.20 69.93E–.09 150 19 5-20
NNC IX 30 14 41 22.3–1.5 36.60N 70.11E 154–37 3.7,2.8b **¶601833083**
IDC IX 30 14 41 23.3–8.7 35.74N 69.43E 308–128 3.3,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=11.1km az=66.0.
IDC Error ellipse: s-maj=148.5km s-min=65.3km az=178.0.
ISC IX 30 15 48 10.2–2.1 36.3N–.20 70.32E–.10 110 11 4-37
IDC IX 30 15 48 01.8–10 35.04N 70.58E 121–52 4.0s,4.0 **¶601833088**
NNC IX 30 15 48 10.6–6.0 36.64N 70.36E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=152.0km s-min=33.1km az=163.0.
NNC Event type se. Error ellipse: s-maj=43.6km s-min=40.6km az=152.0.
ISC X 01 11 28 51.2–.53 36.60N–.05 70.83E–.06 188 3.6b 57 3-84
IDC X 01 11 28 49.7–2.8 36.35N 70.77E 182–27 4.1,3.6 **¶601833097**
ISCJB X 01 11 28 50.6–.36 36.58N–.03 70.85E–.05 188 3.8b,3.6
NNC X 01 11 28 56.6–1.4 36.93N 71.01E 212–12 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.6km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=164.0.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=13.1km az=144.0.
NNC X 02 03 58 09.1–6.4 35.96N 69.16E 0 3.6b,3.2
¶601835624

NNC Event type se. Error ellipse: s-maj=55.2km s-min=45.8km az=139.0.
ISC X 02 14 36 11.3–.78 36.09N–.07 68.92E–.07 35 3.7b 31 3-85
IDC X 02 14 36 05.1–1.2 35.88N 69.18E 0 3.7,3.7b **¶601835646**
ISCJB X 02 14 36 09.6–.53 36.12N–.04 68.91E–.05 35 3.6b,3.7b
NNC X 02 14 36 11.5–6.7 36.20N 68.61E 22–133 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=24.6km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.6km az=24.4.
NNC Event type se. Error ellipse: s-maj=128.8km s-min=26.8km az=11.0.
ISC X 02 15 42 59.2–2.1 36.2N–.10 70.1E–.10 124 21 5-45
IDC X 02 15 42 37.2–5.3 35.16N 69.83E 0 3.8s,3.8 **¶601835647**
NNC X 02 15 43 10.3–7.0 36.92N 69.97E 165–147 3.9,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=97.4km s-min=40.8km az=178.0.
NNC Event type se. Error ellipse: s-maj=67.6km s-min=53.6km az=47.0.
NNC X 02 16 25 00.4–5.0 36.49N 70.41E 0 3.5b,3.1
¶601835648

NNC Event type se. Error ellipse: s-maj=43.8km s-min=35.7km az=125.0.
NNC X 03 15 21 13.8–3.4 36.99N 70.40E 0 3.9b,3.6
¶601837251

NNC Event type se. Error ellipse: s-maj=29.0km s-min=24.7km az=144.0.
ISC X 04 09 24 33.7–.75 36.06N–.07 70.99E–.07 102 3.8b 44 4-84
IDC X 04 09 24 22.2–1.0 35.87N 71.13E 0 3.9,3.9b **¶601997023**
ISCJB X 04 09 24 32.5–.47 36.02N–.04 71.19E–.07 102 3.7b,3.9b
NNC X 04 09 24 39.0–2.6 36.49N 70.63E 125–54 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=19.5km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=158.0.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=21.7km az=96.0.
NNC X 06 21 10 30.7–2.2 36.90N 70.19E 0 3.6b,3.2
¶601839304

NNC Event type se. Error ellipse: s-maj=16.5km s-min=15.1km az=169.0.
NNC X 07 04 41 29.2–9.0 36.94N 70.12E 0 4.0b,3.6
¶601839734

NNC Event type se. Error ellipse: s-maj=69.1km s-min=56.9km az=179.0.
NNC X 09 04 32 01.9–6.6 36.81N 70.01E 0 3.5b,3.1
¶601842361

NNC Event type se. Error ellipse: s-maj=61.4km s-min=41.1km az=153.0.
NNC X 12 13 04 08.9–1.7 36.83N 70.32E 0 3.7b,3.4
¶601848492

NNC Event type se. Error ellipse: s-maj=13.7km s-min=12.9km az=145.0.
NNC X 13 08 09 42.2–3.2 36.84N 70.44E 0 3.7b,3.3
¶601852345

NNC Event type se. Error ellipse: s-maj=24.8km s-min=22.8km az=158.0.
NNC X 14 05 05 17.9–8.5 36.93N 70.46E 0 4.2b,3.9
¶601853237

NNC Event type se. Error ellipse: s-maj=65.8km s-min=56.3km az=161.0.
ISC X 14 09 25 09.5–.81 36.08N–.06 70.41E–.08 110 51 2-82
IDC X 14 09 24 48.8–8.2 34.87N 70.22E 0 4.3b,4.3 **¶601841764**
ISCJB X 14 09 25 08.8–.46 36.05N–.03 70.48E–.06 110 4.0b,4.3
BJI X 14 09 25 08.2 36.06N 70.39E 92 4.5b,4.3
NEIC X 14 09 25 10.5–.89 36.11N 70.35E 115–13 4.1b,4.3
NNC X 14 09 25 12.2–3.3 36.67N 70.10E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=127.5km s-min=40.1km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=1.8.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.4km az=141.0.
NNC Event type se. Error ellipse: s-maj=30.7km s-min=21.0km az=153.0.
ISC X 14 13 17 27.4–.49 36.14N–.03 69.22E–.03 41–4 5.0b,4.2s 475 2-149
IDC X 14 13 17 21.5–.40 36.01N 69.17E 0 4.7,4.6 **¶601833206**
ISCJB X 14 13 17 25.5–.48 36.16N–.02 69.23E–.02 33–4 4.9b,4.2s
NNC X 14 13 17 26.9–2.6 36.46N 69.01E 0 5.0b,4.9
MOS X 14 13 17 26.3–1.1 36.21N 69.20E 41 5.0b,4.2s
NEIC X 14 13 17 28.6–.51 36.17N 69.22E 50–4 5.1b,4.2s
BJI X 14 13 17 30.5 36.27N 69.55E 54 5.0b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=13.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=42.8.
NNC Event type se. Error ellipse: s-maj=20.8km s-min=18.9km az=0.0.
MOS Error ellipse: s-maj=5.5km s-min=4.2km az=92.5.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=196.0. Felt at Aliabad. Also felt at Dushanbe, Tajikistan.
ISC X 14 16 30 49.9–.73 36.5N–.10 70.9E–.20 188 3.6b 15 3-84
ISCJB X 14 16 30 48.7–.53 36.55N–.07 71.0E–.20 188 3.6b **¶601998236**
IDC X 14 16 30 52.7–7.0 36.49N 70.99E 220–66 4.0,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=7.1km az=159.4.
IDC Error ellipse: s-maj=42.8km s-min=16.0km az=38.0.
ISC X 15 22 48 38.9–2.0 36.4N–.20 70.12E–.09 100 26 5-54
NNC X 15 22 48 38.9–3.4 36.72N 70.06E 0 4.1b,3.7 **¶601857633**
IDC X 15 22 48 39.7–6.8 36.08N 69.94E 132–95 4.4b,4.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.6km s-min=21.9km az=153.0.
IDC Error ellipse: s-maj=88.3km s-min=36.5km az=171.0.
ISC X 15 23 43 45.3–.29 35.95N–.03 69.63E–.03 101–2 4.9b 650 1-149
ISCJB X 15 23 43 44.5–.27 35.95N–.02 69.72E–.02 105–3 4.9b **¶601835760**
MOS X 15 23 43 44.7–.96 35.94N 69.64E 107 4.9b
BJI X 15 23 43 45.4 35.99N 69.70E 111 4.9b,4.8b
IDC X 15 23 43 46.6–.49 35.91N 69.66E 113–4 4.8,4.5
NNC X 15 23 43 46.8–2.3 36.57N 69.17E 0 5.7b,5.4
NEIC X 15 23 43 46.6–.15 35.95N 69.68E 112 5.0b,5.4
GCMT X 15 23 43 47.6–.30 35.83N–.02 69.35E–.02 107–4 4.9W,5.4
ISC Event type se.
ISCJB Event type se.
NNC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s79,c126;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.10 $M_{\theta\theta}$1.86±.10; $M_{\phi\phi}$-1.64±.10; $M_{r\theta}$-0.81±.07; $M_{\theta\phi}$1.03±.11; $M_{\phi r}$-1.31±.06; Best double couple: NP1:ϕ_s31.00000°,δ87.00000°,λ-142.00000°. NP2:ϕ_s299.00000°,δ52.00000°,λ-4.00000°. Principal axes: T 2.6300,Plg23.0000° ,Azm159.0000°; N -0.1530,Plg52.0000°,Azm35.0000°; P -2.4770,Plg28.0000° ,Azm262.0000° M_o2.55400×10^{16}
NNC X 16 01 53 43.2–3.0 36.96N 70.41E 0 3.9b,3.5
¶601859193

NNC Event type se. Error ellipse: s-maj=27.1km s-min=21.9km az=130.0.
ISC X 17 08 57 49.1–.77 36.51N–.08 68.05E–.06 30 3.6b 34 4-81
IDC X 17 08 57 45.2–2.4 36.48N 68.01E 0 3.8,3.6 **¶601864390**
ISCJB X 17 08 57 46.5–.49 36.51N–.04 68.06E–.05 30 3.6b,3.6
NNC X 17 08 57 50.0–2.4 36.84N 68.07E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=19.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.3km az=171.5.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=15.7km az=7.0.
ISC X 17 22 47 04.1–1.2 36.65N–.08 71.0E–.10 200 30 4-82
IDC X 17 22 46 57.9–8.7 36.24N 70.61E 129–98 3.6,3.4b **¶601864412**
ISCJB X 17 22 47 00.7–.76 36.57N–.04 70.75E–.10 200 2.7b,3.4b
NNC X 17 22 47 05.0–3.4 36.81N 70.63E 159–65 3.7,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=77.6km s-min=26.3km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=4.9km az=168.8.
NNC Event type se. Error ellipse: s-maj=34.2km s-min=31.7km az=110.0.
ISC X 18 10 03 11.7–1.1 36.66N–.10 70.9E–.10 200 3.2b 18 4-84
ISCJB X 18 10 03 10.9–.88 36.60N–.08 71.1E–.10 200 3.2b **¶601866960**
IDC X 18 10 03 11.0–11 36.12N 70.61E 203–108 3.7,3.3
NNC X 18 10 03 15.9–2.7 37.02N 70.83E 209–40 3.6,2.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=26.1.
IDC Error ellipse: s-maj=37.2km s-min=27.5km az=27.0.
NNC Event type se. Error ellipse: s-maj=30.6km s-min=22.4km az=69.0.
ISC X 18 20 04 25.0–1.4 36.13N–.09 70.4E–.10 100 19 5-74
IDC X 18 20 03 50.7–2.6 33.63N 71.32E 0 3.8,3.8 **¶601866973**
ISCJB X 18 20 04 27.3–1.1 36.33N–.05 70.3E–.10 100 3.7b,3.8
NNC X 18 20 04 39.6–8.2 37.12N 70.23E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=62.9km s-min=26.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=5.7km az=162.9.
NNC Event type se. Error ellipse: s-maj=62.5km s-min=50.4km az=2.0.
ISC X 19 03 13 14.5–1.1 36.6N–.10 70.6E–.10 204 3.1b 14 4-85
ISCJB X 19 03 13 12.5–.90 36.49N–.08 70.8E–.10 204 3.1b **¶601867782**
IDC X 19 03 13 14.4–9.2 36.27N 70.70E 215–87 3.6,3.2
NNC X 19 03 13 17.1–6.2 37.16N 70.09E 0 3.6b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=10.3km az=21.0.
IDC Error ellipse: s-maj=47.4km s-min=20.6km az=21.0.
NNC Event type se. Error ellipse: s-maj=46.9km s-min=38.5km az=5.0.
NNC X 19 16 17 58.8–4.1 36.97N 69.72E 0 3.7b,3.4
¶601867819

NNC Event type se. Error ellipse: s-maj=30.9km s-min=25.7km az=4.0.
ISC X 19 16 47 08.4–.72 36.58N–.07 70.84E–.07 200 3.4b 34 4-84
IDC X 19 16 47 05.3–4.5 36.24N 70.71E 160–42 3.5,3.2 **¶601867820**
ISCJB X 19 16 47 07.5–.54 36.52N–.04 70.97E–.08 200 3.2b,3.2
NNC X 19 16 47 08.7–3.5 37.04N 70.29E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=22.9km az=15.0.

ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=157.7.
NNC Event type se. Error ellipse: s-maj=28.2km s-min=21.2km az=166.0.
NNC X 21 03 52 24.0–10 36.90N 70.19E 0 3.5b,3.1
¶601869699

NNC Event type se. Error ellipse: s-maj=83.7km s-min=72.2km az=163.0.
ISC X 21 11 38 34.1–1.6 36.8N–.20 65.02E–.09 35 7 6-86
IDC X 21 11 38 28.7–1.7 36.41N 64.89E 0 3.6,3.6b **¶601999158**
ISCJB X 21 11 38 32.4–1.5 36.7N–.20 64.94E–.09 33 3.6b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC X 22 01 42 13.0–.81 35.83N–.08 70.47E–.06 110 4.0b 43 5-45
ISCJB X 22 01 42 12.0–.47 35.78N–.04 70.52E–.06 110 4.0b **¶601870189**
IDC X 22 01 42 12.1–6.5 35.67N 70.43E 92–37 4.0,3.8b
NNC X 22 01 42 18.3–2.4 36.33N 70.14E 114–60 4.0,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.2km az=144.4.
IDC Error ellipse: s-maj=81.5km s-min=24.6km az=153.0.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=14.5km az=145.0.
NNC X 22 07 20 33.2–5.5 36.84N 70.46E 132–141 3.5,2.8b
¶601870195

NNC Event type se. Error ellipse: s-maj=50.4km s-min=44.5km az=80.0.
NNC X 22 13 23 23.4–5.0 36.38N 65.40E 0 3.8b,3.4
¶601870209

NNC Event type se. Error ellipse: s-maj=50.2km s-min=37.0km az=139.0.
ISC X 23 04 14 18.0–.70 36.21N–.05 70.75E–.06 100 3.8b 64 2-75
IDC X 23 04 14 01.9–2.4 35.44N 70.87E 0 4.1,4.0 **¶601874207**
ISCJB X 23 04 14 15.4–.46 36.07N–.03 70.61E–.06 100 3.7b,4.0
NEIC X 23 04 14 19.8–.59 36.29N 70.72E 102–8 4.2b,4.0
NNC X 23 04 14 22.4–2.8 36.48N 70.65E 166–42 4.4,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=27.0km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=155.5.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=113.0.
NNC Event type se. Error ellipse: s-maj=30.9km s-min=20.0km az=69.0.
NNC X 24 15 02 42.9–1.1 36.95N 70.74E 0 3.6b,3.2
¶601876326

NNC Event type se. Error ellipse: s-maj=9.0km s-min=8.0km az=161.0.
ISC X 25 03 51 30.4–1.6 36.5N–.10 70.9E–.10 188 24 4-66
IDC X 25 03 51 30.9–8.3 36.14N 71.47E 242–79 3.8,3.2 **¶601880170**
NNC X 25 03 51 37.8–1.3 36.97N 71.00E 220–17 3.8,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=30.8km az=160.0.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=12.6km az=93.0.
NNC X 26 19 13 05.0–9.7 36.65N 69.95E 0 3.6b,3.3
¶601882348

NNC Event type se. Error ellipse: s-maj=77.4km s-min=66.7km az=154.0.
ISC X 27 18 20 48.3–1.7 36.6N–.10 70.59E–.10 150 19 4-65
IDC X 27 18 20 45.8–6.0 36.42N 70.64E 132–45 3.7,3.4 **¶601883258**
ISCJB X 27 18 20 48.0–1.3 36.64N–.10 70.58E–.09 150 3.3b,3.4
NNC X 27 18 20 50.0–2.1 36.98N 70.58E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=17.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=6.7km az=148.3.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=14.6km az=134.0.
ISC X 30 00 25 21.0–.65 36.54N–.05 70.05E–.06 213 3.6b 46 3-65
IDC X 30 00 25 17.7–4.0 36.34N 69.97E 139–31 4.0,3.6b **¶601890463**
ISCJB X 30 00 25 20.7–.46 36.54N–.04 69.98E–.06 213 3.5b,3.6b
NNC X 30 00 25 25.4–6.1 36.94N 69.99E 165–95 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=15.0km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=159.3.
NNC Event type se. Error ellipse: s-maj=55.0km s-min=30.8km az=12.0.
ISC X 30 02 17 35.4–.64 36.59N–.05 70.97E–.08 188 3.3b 62 3-97
IDC X 30 02 17 31.2–5.5 36.20N 70.78E 158–50 3.8,3.3 **¶601861585**
NEIC X 30 02 17 32.1–1.2 36.25N 70.82E 187–13 4.3b,3.3
BJI X 30 02 17 32.4 36.40N 70.80E 185 4.7b,3.3
ISCJB X 30 02 17 35.2–.48 36.61N–.03 70.94E–.07 188 3.8b,3.3
NNC X 30 02 17 40.0–9.4 36.93N 70.68E 158–131 4.0,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=20.4km az=32.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.9km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.9km az=164.9.
NNC Event type se. Error ellipse: s-maj=82.9km s-min=52.4km az=1.0.
ISC X 30 03 58 03.1–.87 36.48N–.08 70.99E–.08 188 24 7-82
IDC X 30 03 57 59.6–8.3 36.18N 70.95E 134–67 3.7,3.4 **¶601890466**
ISCJB X 30 03 58 02.0–.57 36.48N–.06 71.00E–.08 188 3.4b,3.4
NNC X 30 03 58 05.9–3.6 36.76N 70.69E 142–50 3.7,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=76.2km s-min=30.9km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=139.9.
NNC Event type se. Error ellipse: s-maj=34.4km s-min=27.3km az=153.0.
ISC X 31 01 36 54.7–.73 36.06N–.06 70.41E–.06 110 52 2-82
ISCJB X 31 01 36 54.2–.42 36.01N–.03 70.50E–.05 110 3.7b **¶601891380**
NEIC X 31 01 36 55.4–.85 36.00N 70.06E 117–13 4.1b
IDC X 31 01 36 55.7–4.8 36.01N 70.46E 100–50 3.8s,3.8
NNC X 31 01 36 57.5–3.5 36.58N 70.31E 0 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=179.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=9.7km az=104.0.
IDC Error ellipse: s-maj=44.6km s-min=20.6km az=153.0.
NNC Event type se. Error ellipse: s-maj=28.1km s-min=20.3km az=169.0.
ISC XI 01 01 00 59.6–2.3 36.36N–.10 70.5E–.20 35 22 6-16
NNC XI 01 01 01 05.3–9.5 37.01N 70.40E 0 4.2b,3.8 **¶601901445**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=73.8km s-min=62.9km az=171.0.
ISC XI 01 07 35 13.2–.66 36.47N–.05 70.53E–.08 204 3.7b 58 3-85
IDC XI 01 07 35 08.3–5.8 36.17N 70.72E 178–54 4.0,3.4 **¶601867656**
ISCJB XI 01 07 35 12.6–.49 36.52N–.03 70.62E–.08 204 3.8b,3.4
NNC XI 01 07 35 16.6–3.2 36.75N 70.74E 195–41 4.0,3.2b
NEIC XI 01 07 35 24.8–1.1 37.40N 70.95E 220–18 4.1b,3.2b
BJI XI 01 07 35 24.3 37.31N 71.10E 194 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=21.1km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=168.6.
NNC Event type se. Error ellipse: s-maj=29.9km s-min=18.8km az=30.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=15.8km az=126.0.
NNC XI 01 08 40 34.2–8.6 36.81N 70.49E 0 3.5b,3.2
¶601901456

NNC Event type se. Error ellipse: s-maj=79.4km s-min=68.6km az=53.0.
ISC XI 02 00 59 18.0–.73 36.45N–.07 70.13E–.06 213 3.2b 41 6-83
IDC XI 02 00 59 16.7–3.1 36.21N 70.25E 207–29 3.7,3.1 **¶601903315**
ISCJB XI 02 00 59 17.2–.46 36.43N–.04 70.10E–.05 213 3.1b,3.1
NNC XI 02 00 59 21.9–6.8 36.80N 69.98E 190–105 3.8,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=19.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=149.5.
NNC Event type se. Error ellipse: s-maj=65.5km s-min=39.6km az=9.0.
NNC XI 02 17 27 38.4–6.0 36.77N 70.14E 0 3.7b,3.3
¶601903350

NNC Event type se. Error ellipse: s-maj=63.6km s-min=32.4km az=153.0.
NNC XI 02 18 14 52.2–3.8 36.83N 70.61E 0 3.8b,3.5
¶601903351

NNC Event type se. Error ellipse: s-maj=33.7km s-min=25.8km az=144.0.
ISC XI 05 05 11 38.0–1.4 36.4N–.10 70.8E–.10 100 3.9b 31 6-74
IDC XI 05 05 11 30.4–5.8 35.63N 71.19E 74–47 4.0,4.0L **¶601910070**
ISCJB XI 05 05 11 38.8–1.2 36.47N–.09 70.87E–.08 100 3.8b,4.0L
NNC XI 05 05 11 38.5–7.1 36.72N 70.47E 0 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=32.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.5km az=9.7.
NNC Event type se. Error ellipse: s-maj=59.6km s-min=46.1km az=170.0.

ISC XI 06 17 37 27.0–.88 36.52N–.08 70.92E–.08 188 28 6-84
IDC XI 06 17 37 06.5–7.5 35.03N 70.66E 0 3.8,3.6b **¶601991487**
ISCJB XI 06 17 37 26.7–.55 36.49N–.05 70.97E–.07 188 3.4b,3.6b
NNC XI 06 17 37 33.0–4.3 36.95N 71.01E 195–63 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=235.7km s-min=31.8km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=148.9.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=32.7km az=0.0.
ISC XI 07 09 07 55.2–.43 36.51N–.05 70.59E–.05 204 4.2b 119 3-150
IDC XI 07 09 07 50.4–3.9 36.17N 70.51E 164–34 4.3,3.9 **¶602054274**
NEIC XI 07 09 07 53.9–1.0 36.42N 70.62E 189–9 4.4b,3.9
ISCJB XI 07 09 07 53.9–.27 36.52N–.02 70.61E–.04 204 4.2b,3.9
MOS XI 07 09 07 53.5–1.1 36.50N 70.57E 198 4.3b,3.9
BJI XI 07 09 07 54.1 36.65N 70.53E 192 4.6b,4.2b
NNC XI 07 09 07 58.0–2.1 36.81N 70.71E 209–23 4.6,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=15.4km az=25.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.0km az=183.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=171.4.
MOS Error ellipse: s-maj=10.6km s-min=5.3km az=80.4.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=17.3km az=77.0.
ISC XI 07 09 15 58.3–1.4 36.2N–.10 70.5E–.20 100 3.1b 18 4-84
NNC XI 07 09 15 54.4–9.3 36.71N 69.51E 0 4.5b,4.1 **¶601991509**
IDC XI 07 09 15 54.9–8.8 35.98N 70.88E 64–73 4.0L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=116.4km s-min=70.3km az=127.0.
IDC Error ellipse: s-maj=80.2km s-min=30.7km az=45.0.
ISC XI 09 16 54 47.1–.51 36.53N–.05 70.38E–.07 213 3.5b 55 3-149
IDC XI 09 16 54 45.9–2.4 36.38N 70.27E 197–22 4.1,3.6 **¶601991611**
ISCJB XI 09 16 54 46.1–.38 36.50N–.03 70.39E–.06 213 3.6b,3.6
NNC XI 09 16 54 46.6–4.9 36.99N 69.82E 0 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=14.2km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=170.0.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=31.4km az=161.0.
ISC XI 09 21 54 46.1–3.4 36.5N–.20 70.0E–.10 35 18 4-15
NNC XI 09 21 54 49.3–5.2 36.88N 70.17E 0 4.0b,3.8 **¶601991625**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.4km s-min=33.8km az=153.0.
NNC XI 10 15 58 35.6–3.5 36.91N 70.04E 0 3.5b,3.2
¶601991659

NNC Event type se. Error ellipse: s-maj=38.6km s-min=22.8km az=145.0.
NNC XI 10 20 02 18.1–3.6 36.97N 70.76E 0 3.6b,3.2
¶601991666

NNC Event type se. Error ellipse: s-maj=29.1km s-min=25.9km az=132.0.
NNC XI 11 07 56 48.3–5.7 36.75N 70.06E 0 3.6b,3.2
¶601991697

NNC Event type se. Error ellipse: s-maj=45.5km s-min=39.9km az=150.0.
ISC XI 11 17 52 02.0–.47 36.28N–.05 70.49E–.05 110 4.2b 128 3-149
MOS XI 11 17 51 55.6–.99 36.02N 70.46E 67 4.7b **¶601883948**
NEIC XI 11 17 51 57.0–1.1 36.01N 70.39E 69–10 4.5b
IDC XI 11 17 51 56.6–2.9 35.92N 70.44E 66–26 4.2,4.1L
BJI XI 11 17 51 57.5 36.25N 70.34E 88 4.6b,4.3b
ISCJB XI 11 17 52 00.0–.30 36.20N–.03 70.62E–.05 110 4.1b,4.3b
NNC XI 11 17 52 02.5–2.2 36.55N 70.07E 102–27 4.8,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=4.8km az=77.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.0km az=175.0.
IDC Error ellipse: s-maj=17.7km s-min=13.3km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=173.2.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=12.5km az=159.0.
NNC XI 11 23 00 54.2–4.5 36.89N 70.42E 0 4.0b,3.6
¶601991732

NNC Event type se. Error ellipse: s-maj=34.6km s-min=29.1km az=172.0.
NNC XI 12 20 45 31.5–7.4 36.84N 70.41E 0 3.5b,3.1
¶601991801

NNC Event type se. Error ellipse: s-maj=57.4km s-min=48.5km az=170.0.
NNC XI 13 01 15 09.9–2.1 36.80N 70.60E 158–47 3.6,2.7b
¶601991829

NNC Event type se. Error ellipse: s-maj=26.4km s-min=15.6km az=64.0.
ISC XI 13 22 35 42.6–1.7 36.27N–.09 70.9E–.10 100 20 4-16
ISCJB XI 13 22 35 41.9–1.1 36.32N–.05 71.1E–.20 100 **¶601991898**
NNC XI 13 22 35 52.4–1.0 36.88N 71.16E 198–14 3.2,2.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=5.4km az=163.7.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=61.0.
ISC XI 17 05 51 24.9–1.7 36.6N–.10 70.8E–.10 188 3.8b 21 4-66
IDC XI 17 05 51 22.9–5.1 36.43N 70.85E 183–48 3.7,3.2b **¶601992388**
ISCJB XI 17 05 51 25.4–1.4 36.7N–.10 70.7E–.10 188 3.5b,3.2b
NNC XI 17 05 51 30.9–1.0 36.97N 70.97E 218–14 3.5,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=36.7km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=9.9km az=137.1.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=9.6km az=79.0.
ISC XI 17 15 38 14.5–.59 36.11N–.06 69.51E–.05 112 3.6b 66 4-85
IDC XI 17 15 38 11.1–3.3 35.89N 69.54E 79–29 4.1,3.9 **¶601909914**
ISCJB XI 17 15 38 13.7–.37 36.13N–.03 69.55E–.05 112 3.7b,3.9
BJI XI 17 15 38 13.8 36.21N 69.28E 81 4.3b,3.9s
NNC XI 17 15 38 18.7–2.5 36.53N 69.31E 118–51 4.4,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=15.5km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=161.1.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=13.4km az=156.0.
NNC XI 17 17 06 24.6–2.5 36.97N 70.67E 0 4.0b,3.9
¶601992532

NNC Event type se. Error ellipse: s-maj=24.5km s-min=16.2km az=142.0.
ISC XI 17 21 10 19.7–.45 36.47N–.04 70.74E–.05 204 3.9b 94 3-93
ISCJB XI 17 21 10 18.9–.28 36.51N–.02 70.71E–.04 204 3.8b **¶601909926**
BJI XI 17 21 10 18.8 36.45N 70.74E 189 4.5b,4.3b
IDC XI 17 21 10 18.3–2.0 36.39N 70.64E 183–19 4.2,3.8
NNC XI 17 21 10 25.7–3.0 36.98N 70.90E 224–26 5.0,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=168.3.
IDC Error ellipse: s-maj=13.6km s-min=11.5km az=17.0.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=23.2km az=29.0.
ISC XI 18 12 23 56.3–1.2 35.88N–.07 69.8E–.10 124 36 5-17
ISCJB XI 18 12 23 57.5–.86 35.96N–.04 69.99E–.09 124 **¶601992710**
NNC XI 18 12 24 03.4–1.3 36.46N 69.54E 70–31 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.5km az=158.8.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=9.7km az=127.0.
ISC XI 18 13 26 12.0–.66 36.40N–.05 70.55E–.07 204 62 4-84
BJI XI 18 13 25 19.5 32.41N 69.06E 35 4.9b,4.9b **¶601909954**
NEIC XI 18 13 25 25.9–4.1 32.96N 69.75E 35 4.4b,4.9b
IDC XI 18 13 26 11.9–3.7 36.40N 70.51E 190–36 3.8,3.2
ISCJB XI 18 13 26 12.1–.48 36.45N–.03 70.48E–.07 204 3.8,3.2
NNC XI 18 13 26 17.4–1.6 36.83N 70.34E 173–26 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=49.8km s-min=20.6km az=9.0.
IDC Error ellipse: s-maj=33.2km s-min=18.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.8km az=158.1.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=12.1km az=55.0.
NNC XI 18 16 38 55.2–3.2 36.84N 70.69E 0 3.5b,3.2
¶601992746

NNC Event type se. Error ellipse: s-maj=29.5km s-min=23.3km az=133.0.
ISC XI 19 18 11 51.5–1.6 36.56N–.08 70.6E–.20 204 23 4-85
ISCJB XI 19 18 11 51.1–1.2 36.55N–.04 70.7E–.20 204 2.9b **¶601992999**
NNC XI 19 18 11 57.0–2.3 36.89N 70.52E 171–42 3.6,2.7b
IDC XI 19 18 11 56.8–10 36.61N 71.53E 230–222 3.5,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=5.4km az=173.3.

NNC Event type se. Error ellipse: s-maj=22.7km s-min=18.3km az=53.0.
IDC Error ellipse: s-maj=460.7km s-min=93.2km az=121.0.
ISC XI 20 15 14 12.7–.47 36.19N–.04 70.36E–.04 150 3.9b 116 2-85
IDC XI 20 15 14 08.8–2.9 35.90N 70.55E 121–24 4.0,3.7 **¶601993220**
ISCJB XI 20 15 14 11.7–.28 36.17N–.02 70.41E–.04 150 3.8b,3.7
NNC XI 20 15 14 12.8–1.9 36.64N 69.96E 0 4.6b,4.5
MOS XI 20 15 14 12.7–.82 36.17N 70.49E 162 4.0b,4.5
BJI XI 20 15 14 12.9 36.01N 70.60E 156 4.7b,4.3b
NEIC XI 20 15 14 13.4–.57 36.23N 70.40E 154–10 4.0b,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=20.3km s-min=13.4km az=171.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.3km az=164.2.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=8.8km az=155.0.
MOS Error ellipse: s-maj=14.0km s-min=6.0km az=75.8.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=8.4km az=122.0. Felt at Mahmud-e Raqi.
NNC XI 21 01 17 40.0–5.9 35.40N 68.61E 0 3.7b,3.5
¶601993309

NNC Event type se. Error ellipse: s-maj=66.3km s-min=39.8km az=144.0.
ISC XI 22 15 04 51.7–1.5 36.6N–.10 71.0E–.10 188 16 4-84
IDC XI 22 15 04 46.4–3.8 36.26N 76.00E 0 3.7,3.5 **¶601993747**
ISCJB XI 22 15 04 51.0–1.1 36.50N–.08 71.1E–.20 188 3.1b,3.5
NNC XI 22 15 04 56.5–1.9 36.90N 70.83E 190–31 3.6,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=155.5km s-min=22.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=9.6km az=14.8.
NNC Event type se. Error ellipse: s-maj=22.6km s-min=16.3km az=65.0.
ISC XI 22 19 41 49.2–3.2 36.3N–.20 69.8E–.10 10 16 5-17
NNC XI 22 19 41 51.7–2.9 36.48N 69.85E 0 4.0b,3.7 **¶601993789**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.7km s-min=21.2km az=140.0.
ISC XI 23 04 53 26.1–3.7 36.9N–.20 71.0E–.10 88 15 6-15
NNC XI 23 04 53 29.1–4.9 37.05N 71.19E 196–85 3.6,2.5b **¶602005536**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=48.4km s-min=30.8km az=19.0.
ISC XI 24 00 13 53.9–.55 36.46N–.05 70.65E–.06 204 3.1b 55 3-84
IDC XI 24 00 13 51.0–2.7 36.19N 70.66E 183–23 3.9,3.4 **¶601994042**
ISCJB XI 24 00 13 53.2–.36 36.46N–.03 70.68E–.05 204 3.3b,3.4
NNC XI 24 00 13 59.5–2.1 36.88N 70.77E 219–24 4.1,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=14.7km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=167.4.
NNC Event type se. Error ellipse: s-maj=21.2km s-min=18.0km az=55.0.
NNC XI 24 06 03 32.9–7.7 36.88N 70.42E 0 3.6b,3.3
¶602030279

NNC Event type se. Error ellipse: s-maj=67.3km s-min=49.2km az=158.0.
ISC XI 24 17 29 52.0–.73 36.03N–.07 70.77E–.08 110 3.3b 48 5-84
ISCJB XI 24 17 29 49.3–.46 35.86N–.04 70.74E–.06 110 3.4b **¶602030303**
IDC XI 24 17 29 49.5–3.1 35.84N 70.60E 80–28 3.7,3.5
NNC XI 24 17 29 57.8–4.0 36.57N 70.49E 192–59 4.1,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=154.0.
IDC Error ellipse: s-maj=23.2km s-min=16.1km az=20.0.
NNC Event type se. Error ellipse: s-maj=39.4km s-min=31.1km az=48.0.
ISC XI 25 08 54 04.1–1.2 36.08N–.09 70.96E–.08 102 24 4-16
ISCJB XI 25 08 54 02.8–.66 35.95N–.05 70.94E–.07 102 **¶602032101**
NNC XI 25 08 54 12.6–2.7 36.63N 70.72E 117–58 3.9,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=146.9.
NNC Event type se. Error ellipse: s-maj=25.5km s-min=17.6km az=152.0.
ISC XI 25 10 03 43.1–2.1 36.8N–.20 71.0E–.10 100 4.0b 23 4-44
IDC XI 25 10 03 12.5–39 34.51N 72.19E 0 4.0,3.9 **¶601994348**
NNC XI 25 10 03 39.4–5.0 36.98N 70.68E 0–150 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=722.9km s-min=57.7km az=158.0.
NNC Event type se. Error ellipse: s-maj=161.8km s-min=21.2km az=13.0.
ISC XI 25 16 02 57.7–1.1 36.28N–.08 70.47E–.08 150 37 4-20
ISCJB XI 25 16 02 59.1–.51 36.34N–.04 70.62E–.05 150 **¶602032113**
NNC XI 25 16 03 03.2–3.2 36.78N 70.28E 16–31 4.3b,4.0
IDC XI 25 16 03 05.5–5.0 36.88N 70.19E 150–41 3.8,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=152.9.
NNC Event type se. Error ellipse: s-maj=35.6km s-min=12.5km az=165.0.
IDC Error ellipse: s-maj=63.1km s-min=18.0km az=155.0.
NNC XI 25 20 59 47.5–5.0 36.84N 70.65E 0 3.5b,3.2
¶602032119

NNC Event type se. Error ellipse: s-maj=40.7km s-min=36.2km az=143.0.
ISC XI 26 20 58 36.4–.98 36.59N–.07 70.6E–.10 213 3.6b 40 4-82
IDC XI 26 20 58 30.3–4.7 36.16N 70.34E 172–42 3.8,3.3 **¶602032364**
ISCJB XI 26 20 58 34.6–.64 36.55N–.04 70.42E–.09 213 3.4b,3.3
NNC XI 26 20 58 36.7–3.7 36.97N 70.16E 0 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=22.8km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.8km az=166.8.
NNC Event type se. Error ellipse: s-maj=30.7km s-min=23.7km az=156.0.
NNC XI 27 06 37 02.6–6.8 36.93N 70.49E 198–107 3.7,2.6b
¶602034538

NNC Event type se. Error ellipse: s-maj=67.9km s-min=54.8km az=53.0.
NNC XI 27 07 11 14.1–5.1 36.86N 69.86E 192–92 3.7,2.7b
¶602034541

NNC Event type se. Error ellipse: s-maj=51.8km s-min=40.3km az=50.0.
ISC XI 28 15 40 44.6–3.3 36.5N–.20 69.5E–.10 48 21 6-16
NNC XI 28 15 40 45.4–3.3 36.81N 69.49E 0 4.2b,4.1 **¶602036393**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=20.3km az=159.0.
ISC XI 29 01 19 41.6–1.0 36.51N–.10 70.9E–.10 188 3.3b 21 4-84
ISCJB XI 29 01 19 40.2–.81 36.47N–.07 70.9E–.10 188 3.4b **¶602037340**
IDC XI 29 01 19 42.4–2.9 36.55N 70.94E 202–26 3.6,3.2
NNC XI 29 01 19 49.2–2.5 36.95N 70.82E 181–48 3.3,2.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=8.0km az=30.6.
IDC Error ellipse: s-maj=24.5km s-min=19.4km az=6.0.
NNC Event type se. Error ellipse: s-maj=34.2km s-min=19.0km az=61.0.
ISC XI 30 06 54 22.6–.78 36.66N–.07 70.84E–.09 200 3.4b 28 4-84
ISCJB XI 30 06 54 21.2–.56 36.67N–.04 70.71E–.08 200 3.3b **¶601995379**
IDC XI 30 06 54 21.5–3.0 36.55N 70.88E 195–28 3.8,3.3
NNC XI 30 06 54 23.4–4.1 36.79N 70.56E 151–73 3.6,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=4.1.
IDC Error ellipse: s-maj=22.5km s-min=20.0km az=44.0.
NNC Event type se. Error ellipse: s-maj=41.5km s-min=36.6km az=113.0.
NNC XII 01 21 19 52.8–5.0 36.94N 70.20E 0 3.5b,3.1
¶602042836

NNC Event type se. Error ellipse: s-maj=37.8km s-min=34.9km az=173.0.
ISC XII 01 23 11 33.0–1.1 36.35N–.09 70.61E–.07 110 3.4b 24 4-82
IDC XII 01 23 11 26.2–3.8 35.90N 70.92E 58–32 3.6,3.6 **¶602042838**
ISCJB XII 01 23 11 32.8–1.1 36.45N–.08 70.54E–.07 110 3.5b,3.6
NNC XII 01 23 11 35.3–2.5 36.54N 70.37E 67–83 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=19.2km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.6km az=150.4.
NNC Event type se. Error ellipse: s-maj=27.5km s-min=13.8km az=141.0.
NNC XII 02 02 18 20.4–3.6 36.89N 68.58E 0 3.9b,3.5
¶602042845

NNC Event type se. Error ellipse: s-maj=27.3km s-min=25.9km az=142.0.
NNC XII 02 06 46 22.2–4.2 36.99N 69.78E 0 3.6b,3.3
¶602042857

NNC Event type se. Error ellipse: s-maj=33.6km s-min=27.2km az=176.0.
NNC XII 02 23 09 35.7–3.1 36.75N 69.35E 0 3.8b,3.4
¶602042880

NNC Event type se. Error ellipse: s-maj=24.2km s-min=21.4km az=159.0.
ISC XII 03 19 06 12.0–.51 36.60N–.05 70.83E–.05 200 3.7b 79 3-84
IDC XII 03 19 06 10.8–2.3 36.35N 70.74E 196–21 3.9,3.5 **¶602042908**
ISCJB XII 03 19 06 11.9–.32 36.57N–.02 70.88E–.05 200 3.6b,3.5
NEIC XII 03 19 06 14.7–1.1 36.67N 70.89E 189–20 4.3b,3.5
NNC XII 03 19 06 18.0–1.4 36.99N 70.82E 214–11 4.1,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=11.7km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=172.6.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=12.3km az=89.0.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=10.6km az=49.0.
ISC XII 04 07 33 09.8–1.8 36.5N–.20 69.1E–.10 43 29 7-81
IDC XII 04 07 33 01.3–3.6 36.00N 69.34E 0 3.8,3.7 **¶602051441**
NNC XII 04 07 33 12.0–1.6 36.75N 69.47E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=60.9km s-min=24.8km az=161.0.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=11.3km az=120.0.
ISC XII 04 13 55 53.7–1.1 36.5N–.10 70.97E–.10 188 3.3b 34 4-84
IDC XII 04 13 55 54.0–3.2 36.40N 71.08E 202–24 3.7,3.2 **¶602051470**
ISCJB XII 04 13 55 54.8–.00 36.69N–.09 70.8E–.10 188 3.4b,3.2
NNC XII 04 13 55 59.0–5.9 36.94N 70.55E 168–110 3.9,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=21.9km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=8.0km az=137.2.
NNC Event type se. Error ellipse: s-maj=57.9km s-min=47.1km az=52.0.
ISC XII 04 22 10 50.2–.74 36.56N–.07 70.80E–.07 188 3.3b 41 4-82
IDC XII 04 22 10 45.7–3.2 36.05N 70.99E 167–28 3.6,3.2 **¶602051475**
ISCJB XII 04 22 10 50.4–.48 36.61N–.04 70.78E–.06 188 3.4b,3.2
NNC XII 04 22 10 56.3–2.3 36.99N 71.00E 213–33 3.6,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=20.1km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.3km az=153.0.
NNC Event type se. Error ellipse: s-maj=26.0km s-min=20.0km az=68.0.
ISC XII 05 13 52 39.2–1.3 36.73N–.10 70.8E–.10 200 3.3b 20 4-85
ISCJB XII 05 13 52 37.9–.97 36.64N–.07 71.0E–.10 200 3.1b **¶602051513**
IDC XII 05 13 52 37.1–6.1 36.42N 71.20E 179–49 3.6,3.2
NNC XII 05 13 52 40.9–5.2 36.88N 70.37E 122–124 3.3,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.7km az=2.5.
IDC Error ellipse: s-maj=59.4km s-min=28.1km az=58.0.
NNC Event type se. Error ellipse: s-maj=50.5km s-min=39.8km az=68.0.
NNC XII 05 23 30 14.8–3.4 36.97N 70.67E 0 3.6b,3.2
¶602051519

NNC Event type se. Error ellipse: s-maj=26.4km s-min=22.5km az=154.0.
NNC XII 06 03 40 14.3–8.8 36.73N 70.41E 0 3.8b,3.4
¶602052118

NNC Event type se. Error ellipse: s-maj=68.2km s-min=57.7km az=167.0.
ISC XII 06 16 59 56.3–.60 36.43N–.05 70.44E–.07 204 3.3b 56 3-85
IDC XII 06 16 59 54.3–3.0 36.31N 70.45E 178–27 3.8,3.3 **¶602052160**
ISCJB XII 06 16 59 56.4–.41 36.49N–.03 70.45E–.06 204 3.2b,3.3
NNC XII 06 16 59 58.2–5.6 37.03N 69.83E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=15.0km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.5km az=161.2.
NNC Event type se. Error ellipse: s-maj=46.0km s-min=35.5km az=162.0.
ISC XII 06 21 38 11.0–.58 36.56N–.05 70.80E–.06 188 3.4b 49 3-84
IDC XII 06 21 38 07.7–2.9 36.19N 70.80E 160–25 3.7,3.4 **¶602090152**
ISCJB XII 06 21 38 10.8–.38 36.53N–.03 70.84E–.05 188 3.4b,3.4
NNC XII 06 21 38 13.7–4.9 37.10N 70.32E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=17.1km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=167.7.
NNC Event type se. Error ellipse: s-maj=38.7km s-min=28.8km az=168.0.
ISC XII 07 07 29 21.4–.42 36.45N–.04 70.18E–.04 213 3.9b 130 2-85
ISCJB XII 07 07 29 20.6–.21 36.51N–.02 70.16E–.03 213 3.8b **¶602006324**
IDC XII 07 07 29 20.6–1.8 36.41N 70.16E 210–16 4.1,3.6
BJI XII 07 07 29 21.3 36.53N 70.20E 212 4.3b,4.3b
NEIC XII 07 07 29 22.2–.50 36.52N 70.21E 215–5 4.0b,4.3b
NNC XII 07 07 29 25.3–2.0 36.76N 70.21E 203–17 4.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=161.0.
IDC Error ellipse: s-maj=13.5km s-min=10.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.0km az=139.0.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=17.7km az=103.0.
ISC XII 07 09 37 29.6–2.5 36.7N–.20 70.6E–.20 100 3.8b 24 4-44
NNC XII 07 09 37 30.6–3.8 37.04N 70.56E 0 4.4b,4.0 **¶602054363**
IDC XII 07 09 37 30.9–9.3 36.69N 70.88E 114–65 3.9,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.1km s-min=27.9km az=124.0.
IDC Error ellipse: s-maj=93.6km s-min=56.4km az=148.0.
ISC XII 07 19 46 51.1–1.6 37.0N–.10 70.87E–.07 88 33 4-29
IDC XII 07 19 46 50.8–5.7 36.97N 70.93E 81–41 4.0s,4.0 **¶602054372**
NNC XII 07 19 46 53.2–2.0 37.04N 70.90E 133–43 3.8,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=18.0km az=153.0.
NNC Event type se. Error ellipse: s-maj=20.8km s-min=14.9km az=142.0.
NNC XII 09 22 28 32.6–3.2 36.58N 70.23E 0 3.8b,3.4
¶602056529

NNC Event type se. Error ellipse: s-maj=28.0km s-min=22.6km az=129.0.
ISC XII 10 04 30 48.8–.58 36.51N–.05 70.39E–.07 213 3.4b 51 3-85
IDC XII 10 04 30 44.4–2.6 36.26N 70.40E 178–22 3.9,3.4 **¶602056879**
ISCJB XII 10 04 30 48.0–.39 36.52N–.03 70.42E–.06 213 3.4b,3.4
NNC XII 10 04 30 49.7–3.4 37.00N 69.93E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.4km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=163.7.
NNC Event type se. Error ellipse: s-maj=28.2km s-min=21.3km az=162.0.
NNC XII 10 15 42 26.3–3.4 37.00N 70.66E 0 3.6b,3.3
¶602056848

NNC Event type se. Error ellipse: s-maj=25.8km s-min=21.5km az=171.0.
ISC XII 10 19 52 54.5–.60 36.43N–.05 70.39E–.06 204 3.2b 57 3-65
IDC XII 10 19 52 51.6–4.3 36.24N 70.33E 174–29 3.7,3.2 **¶602056842**
ISCJB XII 10 19 52 54.6–.39 36.46N–.03 70.33E–.05 204 3.2b,3.2
NNC XII 10 19 52 57.3–4.0 37.03N 69.93E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=17.7km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.5km az=163.4.
NNC Event type se. Error ellipse: s-maj=34.5km s-min=25.5km az=156.0.
ISC XII 11 01 46 15.7–.61 36.40N–.05 70.80E–.06 188 3.4b 65 3-84
IDC XII 11 01 46 10.7–3.2 36.04N 70.58E 106–27 4.0,3.7 **¶602058037**
ISCJB XII 11 01 46 14.3–.37 36.35N–.03 70.62E–.05 188 3.5b,3.7
NNC XII 11 01 46 18.6–1.8 36.72N 70.38E 141–18 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=18.0km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=154.6.
NNC Event type se. Error ellipse: s-maj=17.0km s-min=10.0km az=161.0.
ISC XII 11 03 23 55.1–1.8 36.7N–.10 70.9E–.10 100 15 4-66
IDC XII 11 03 23 53.2–4.5 38.43N 68.89E 0 3.5b,3.4 **¶602058040**
ISCJB XII 11 03 23 54.1–1.3 36.70N–.09 70.9E–.10 100 3.3b,3.4
NNC XII 11 03 23 57.0–2.6 36.83N 70.67E 75–76 3.6,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=143.9km s-min=23.2km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=9.7km az=40.3.
NNC Event type se. Error ellipse: s-maj=25.3km s-min=18.7km az=125.0.
NNC XII 12 11 21 08.4–4.5 36.38N 69.87E 0 3.7b,3.4
¶602058585

NNC Event type se. Error ellipse: s-maj=37.9km s-min=30.6km az=155.0.
NNC XII 12 12 14 20.7–3.0 36.86N 70.50E 158–75 3.7,2.8b
¶602058586

NNC Event type se. Error ellipse: s-maj=48.6km s-min=20.5km az=65.0.
ISC XII 12 17 51 25.0–.55 36.40N–.04 70.86E–.06 188 3.6b 85 2-97
IDC XII 12 17 51 22.2–3.9 36.24N 70.79E 160–34 4.0,3.6 **¶602058591**
ISCJB XII 12 17 51 24.7–.33 36.44N–.02 70.83E–.05 188 3.7b,3.6

NEIC XII 12 17 51 25.7–.82 36.42N 70.95E 182–11 4.0b,3.6
NNC XII 12 17 51 28.8–4.1 36.76N 70.48E 174–48 4.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=15.9km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=165.2.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=11.2km az=100.0.
NNC Event type se. Error ellipse: s-maj=40.4km s-min=31.5km az=38.0.
ISC XII 13 21 35 52.6–.88 36.54N–.07 70.76E–.06 200 36 4-33
IDC XII 13 21 35 48.3–8.5 36.12N 70.92E 108–51 3.8,3.7b **¶602070483**
ISCJB XII 13 21 35 51.3–.54 36.47N–.04 70.79E–.05 200 3.9b,3.7b
NNC XII 13 21 35 55.4–3.1 36.79N 70.50E 100 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=124.5km s-min=30.4km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=32.0.
NNC Event type se. Error ellipse: s-maj=29.7km s-min=14.7km az=154.0.
NNC XII 14 03 05 40.1–3.3 36.99N 70.65E 0 3.7b,3.3
¶602060370

NNC Event type se. Error ellipse: s-maj=25.2km s-min=22.7km az=163.0.
ISC XII 15 03 47 56.8–.62 36.13N–.06 69.45E–.05 112 61 5-82
IDC XII 15 03 47 52.6–5.7 35.69N 69.54E 83–42 4.1,3.8 **¶602062419**
ISCJB XII 15 03 47 56.9–.45 36.18N–.04 69.46E–.05 112 4.0b,3.8
NNC XII 15 03 48 01.9–1.3 36.60N 69.21E 105–15 4.2,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=27.8km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=154.2.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=6.5km az=160.0.
NNC XII 16 07 23 24.4–2.8 36.78N 71.00E 188–45 3.8,2.6b
¶602064863

NNC Event type se. Error ellipse: s-maj=35.2km s-min=27.0km az=69.0.
NNC XII 17 00 09 22.8–3.4 36.84N 70.86E 167–55 3.7,2.7b
¶602065065

NNC Event type se. Error ellipse: s-maj=34.1km s-min=27.0km az=56.0.
NNC XII 17 15 20 49.2–6.4 36.83N 70.49E 101–169 3.5,2.9b
¶602065087

NNC Event type se. Error ellipse: s-maj=55.0km s-min=48.9km az=132.0.
ISC XII 18 02 16 26.5–.57 36.45N–.05 70.32E–.06 213 3.2b 50 3-85
IDC XII 18 02 16 23.7–2.5 36.28N 70.40E 188–22 3.8,3.4 **¶602068757**
NNC XII 18 02 16 23.9–6.3 36.79N 69.83E 0 4.3b,4.1
ISCJB XII 18 02 16 25.7–.36 36.44N–.03 70.32E–.05 213 3.3b,4.1
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC XII 20 14 21 00.3–.54 36.40N–.05 70.35E–.05 204 3.4b 65 3-85
IDC XII 20 14 20 57.4–2.7 36.22N 70.40E 174–23 3.9,3.4 **¶602083548**
ISCJB XII 20 14 21 00.1–.35 36.41N–.03 70.34E–.05 204 3.4b,3.4
NNC XII 20 14 21 06.2–2.0 36.88N 70.24E 187–24 3.8,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=14.0km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.5km az=150.3.
NNC Event type se. Error ellipse: s-maj=20.3km s-min=18.1km az=62.0.
ISC XII 23 05 29 30.7–.36 36.14N–.04 70.11E–.04 124 4.3b 211 2-149
IDC XII 23 05 29 27.5–2.7 35.88N 70.20E 98–23 4.1,3.9 **¶602056607**
MOS XII 23 05 29 29.6–1.2 36.13N 70.18E 116 4.2b,3.9
ISCJB XII 23 05 29 29.4–.19 36.07N–.02 70.25E–.03 124 4.2b,3.9
NEIC XII 23 05 29 30.4–.44 36.13N 70.08E 109–5 4.3b,3.9
BJI XII 23 05 29 32.9 36.24N 70.47E 110 4.9b,4.6b
NNC XII 23 05 29 33.3–1.5 36.51N 69.85E 110–18 4.3,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=14.2km az=155.0.
MOS Error ellipse: s-maj=8.0km s-min=5.2km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=153.5.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=132.0.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=7.8km az=161.0.
ISC XII 23 12 59 46.9–.61 36.54N–.05 70.19E–.06 213 3.9b 60 2-85
IDC XII 23 12 59 44.8–3.1 36.25N 70.10E 212–32 3.8,3.4 **¶602056620**
ISCJB XII 23 12 59 47.4–.41 36.49N–.03 70.24E–.06 213 3.8b,3.4
BJI XII 23 12 59 47.1 36.43N 70.21E 213 4.8b,4.5b
NEIC XII 23 12 59 48.7–.55 36.54N 70.18E 217–7 4.0b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=16.7km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=167.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=93.0.
ISC XII 23 23 44 17.5–.79 36.49N–.06 70.56E–.09 200 3.4b 26 4-82
ISCJB XII 23 23 44 17.1–.61 36.54N–.04 70.54E–.08 200 3.3b **¶602391953**
IDC XII 23 23 44 17.9–4.0 36.39N 70.92E 217–36 3.8,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.4km az=153.6.
IDC Error ellipse: s-maj=29.6km s-min=21.9km az=19.0.
NNC XII 24 01 21 44.5–5.0 36.20N 65.29E 0 3.6b,3.3
¶603091022

NNC Event type se. Error ellipse: s-maj=54.0km s-min=24.0km az=179.0.
ISC XII 24 10 23 23.9–1.6 36.38N–.10 70.9E–.10 35 17 4-17
ISCJB XII 24 10 23 21.7–.96 36.33N–.06 70.9E–.10 35 **¶603091044**
NNC XII 24 10 23 33.7–4.9 37.29N 70.72E 0 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.9km az=154.9.
NNC Event type se. Error ellipse: s-maj=50.2km s-min=27.7km az=154.0.
NNC XII 24 10 26 32.2–2.6 36.82N 70.88E 142–59 3.5,3.0b
¶603091045

NNC Event type se. Error ellipse: s-maj=35.2km s-min=24.6km az=97.0.
ISC XII 26 00 43 41.9–.97 36.01N–.09 69.40E–.06 100 18 5-29
ISCJB XII 26 00 43 40.6–.63 35.91N–.06 69.32E–.05 100 4.0b **¶602216664**
IDC XII 26 00 43 46.5–6.7 36.44N 69.18E 90–54 3.9,3.7b
NNC XII 26 00 43 48.6–3.0 36.52N 69.07E 70–106 3.8,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=6.8.
IDC Error ellipse: s-maj=88.8km s-min=19.5km az=158.0.
NNC Event type se. Error ellipse: s-maj=36.6km s-min=15.1km az=153.0.
NNC XII 26 07 54 37.1–3.2 36.48N 69.47E 0 4.2b,3.8
¶602216672

NNC Event type se. Error ellipse: s-maj=29.1km s-min=24.2km az=130.0.
ISC XII 27 00 31 40.2–1.1 36.58N–.09 70.8E–.10 200 13 4-81
IDC XII 27 00 30 54.2–7.6 31.66N 74.86E 0 3.4,3.4b **¶602380682**
ISCJB XII 27 00 31 39.0–.97 36.55N–.06 70.8E–.10 200 2.8b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC XII 27 22 26 39.0–1.3 36.6N–.10 70.4E–.10 213 3.3b 19 4-82
IDC XII 27 22 26 37.4–11 36.31N 70.56E 206–105 3.6,3.2 **¶602217595**
ISCJB XII 27 22 26 39.5–1.2 36.7N–.10 70.2E–.20 213 3.3b,3.2
NNC XII 27 22 26 39.8–7.8 37.02N 69.92E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=55.5km s-min=27.7km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=11.3km az=40.5.
NNC Event type se. Error ellipse: s-maj=61.4km s-min=47.4km az=177.0.
NNC XII 28 10 25 33.6–6.5 36.45N 69.28E 156–130 3.6,2.7b
¶602311855

NNC Event type se. Error ellipse: s-maj=61.0km s-min=48.7km az=1.0.
ISC XII 28 23 53 01.1–.59 36.42N–.06 70.63E–.06 200 3.5b 48 3-82
IDC XII 28 23 52 59.5–2.8 36.14N 70.70E 194–24 3.9,3.4 **¶602311873**
ISCJB XII 28 23 53 00.5–.38 36.41N–.03 70.63E–.05 200 3.3b,3.4
NNC XII 28 23 53 06.3–2.7 36.76N 70.77E 216–39 4.2,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=17.2km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=164.0.
NNC Event type se. Error ellipse: s-maj=35.8km s-min=26.8km az=80.0.
ISC XII 29 00 51 58.7–1.1 36.70N–.09 70.8E–.10 200 3.2b 21 4-85
IDC XII 29 00 51 43.4–8.7 36.14N 70.72E 67–75 3.4,3.3 **¶602312572**
ISCJB XII 29 00 51 57.4–.91 36.55N–.07 70.91E–.09 200 3.1b,3.3
NNC XII 29 00 52 03.1–2.1 36.99N 70.64E 175–35 3.3,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=32.9km az=32.0.

ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.6km az=163.3.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=15.7km az=63.0.
ISC XII 29 12 31 42.6–.78 36.65N–.05 70.98E–.08 250 3.2b 55 3-84
IDC XII 29 12 31 39.9–4.0 36.37N 71.01E 212–35 3.7,3.2 **¶602216213**
ISCJB XII 29 12 31 42.9–.39 36.64N–.03 70.99E–.06 250 3.2b,3.2
NEIC XII 29 12 31 44.1–.65 36.69N 70.94E 224–13 4.2b,3.2
NNC XII 29 12 31 48.3–1.3 37.04N 70.92E 234–14 4.0,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=21.2km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=172.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.1km az=111.0.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=11.0km az=70.0.
ISC XII 29 17 50 52.6–.15 35.67N–.02 70.56E–.02 118–1 5.6b 1849 2-152
MOS XII 29 17 50 51.6–.94 35.70N 70.63E 119 5.6b **¶602065113**
ISCJB XII 29 17 50 51.3–.24 35.72N–.01 70.63E–.01 114–2 5.5b
BJI XII 29 17 50 52.1 35.83N 70.67E 111 5.3b,5.2b
GCMT XII 29 17 50 52.8–.10 35.57N–.01 70.43E–.01 120–0 5.6W,5.2b
NEIC XII 29 17 50 52.8–.09 35.71N 70.60E 117 5.6W,5.6b
IDC XII 29 17 50 53.3–.29 35.71N 70.61E 120–2 5.4,5.1
NEIC XII 29 17 50 53.0–.00 35.80N 70.55E 120 5.4,5.1
NNC XII 29 17 50 58.2–3.2 36.18N 70.47E 163–29 5.9,5.2b
ISC Event type fe.
MOS Error ellipse: s-maj=4.2km s-min=2.8km az=126.9.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=8.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s116,c188; s120,c269; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-2.55±.03; $M_{\phi\phi}$0.70±.03; $M_{r\theta}$1.24±.03; $M_{\theta\phi}$-0.32±.03; $M_{\phi r}$1.18±.02; Best double couple: NP1:ϕ_S60.00000°,δ66.00000°,λ63.00000°. NP2:ϕ_S291.00000°,δ36.00000°,λ136.00000°. Principal axes: T 2.7390,Plg60.0000°,Azm290.0000°; N 0.2420,Plg25.0000°,Azm72.0000°; P -2.9820,Plg17.0000°,Azm170.0000° $M_0$2.86000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=191.0. Felt [IV] at Atati and Kabul and [III] at Jalalabad, Khak-e-Jabar and Mahmud-e-Raqi. Felt [III] at Abbottabad, Islamabad and Lahore, Pakistan. Felt in much of northeastern Afghanistan and northern Pakistan. Felt at Amritsar and Noida, India and at Dushanbe and Qarotegin, Tajikistan. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}2.40 $M_{\theta\theta}$-2.50 $M_{\phi\phi}$0.10 $M_{r\theta}$1.04 $M_{\theta\phi}$-0.66 $M_{\phi r}$1.33 Best double couple: NP1:ϕ_S275.00000°,δ34.00000°,λ123.00000°. NP2:ϕ_S57.00000°,δ62.00000°,λ69.00000°. Principal axes: T 3.0900,Plg66.0000°,Azm288.0000°; N -0.0900,Plg18.0000°,Azm67.0000°; P -3.0000,Plg15.0000°,Azm162.0000° $M_0$3.00000×10^{17}
IDC Error ellipse: s-maj=7.3km s-min=4.8km az=18.0.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.41 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$0.12 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.97 Best double couple: NP1:ϕ_S61.00000°,δ67.00000°,λ68.00000°. NP2:ϕ_S286.00000°,δ31.00000°,λ131.00000°. Principal axes: T 2.1000,Plg61.0000°,Azm297.0000°; N -0.2000,Plg19.0000°,Azm69.0000°; P -1.9000,Plg19.0000°,Azm166.0000° $M_0$2.00000×10^{17}
NNC Event type se. Error ellipse: s-maj=25.3km s-min=22.3km az=25.0.
NNC XII 30 00 54 13.4–9.8 36.67N 70.51E 0 4.0b,3.7
¶602320555

NNC Event type se. Error ellipse: s-maj=84.1km s-min=60.4km az=157.0.
ISC XII 30 09 00 16.3–1.3 36.4N–.10 70.83E–.08 100 3.9b 37 4-91
IDC XII 30 09 00 12.0–4.6 36.14N 71.08E 79–29 4.0,3.7 **¶602090277**
ISCJB XII 30 09 00 15.0–.92 36.42N–.07 70.86E–.06 100 3.9b,3.7
NNC XII 30 09 00 16.1–2.7 36.77N 70.55E 0 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=18.4km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.9km az=157.5.
NNC Event type se. Error ellipse: s-maj=22.7km s-min=15.0km az=170.0.
ISC XII 30 13 25 29.3–1.5 36.7N–.10 70.9E–.20 200 3.1b 22 4-84
ISCJB XII 30 13 25 28.1–1.1 36.53N–.09 71.1E–.20 200 3.1b **¶602320596**
NNC XII 30 13 25 30.0–9.6 37.10N 70.30E 0 4.0b,3.6
IDC XII 30 13 25 30.3–6.9 36.52N 71.52E 200–50 3.4,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=10.8km az=13.1.
NNC Event type se. Error ellipse: s-maj=76.5km s-min=59.0km az=173.0.
IDC Error ellipse: s-maj=78.9km s-min=28.7km az=68.0.

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ISC VII 04 13 52 59.6–.94 37.90N–.07 75.7E–.10 10 20 3-14
ISCJB VII 04 13 52 56.1–.63 37.96N–.06 75.9E–.20 10 **¶601243196**
NNC VII 04 13 53 11.1–2.9 38.45N 75.40E 19–13 3.7b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=5.4km az=156.3.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=19.9km az=33.0.
ISC VII 06 13 07 21.3–1.4 38.2N–.10 73.22E–.09 100 3.8b 30 2-72
ISCJB VII 06 13 07 20.6–.98 38.15N–.07 73.09E–.09 100 3.7b **¶601243859**
IDC VII 06 13 07 21.9–5.3 38.14N 73.48E 116–39 3.8,3.4
NNC VII 06 13 07 27.9–3.8 38.58N 73.42E 146–19 3.4,2.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.7km az=34.1.
IDC Error ellipse: s-maj=48.3km s-min=33.8km az=140.0.
NNC Event type se. Error ellipse: s-maj=34.6km s-min=30.4km az=98.0.
ISC VII 06 21 26 08.0–.90 39.60N–.05 73.32E–.03 10 3.7b 87 0-68
IDC VII 06 21 26 02.1–2.3 39.15N 73.94E 0 3.7b,3.4 **¶601246026**
SOME VII 06 21 26 06.9 39.62N 73.38E 5 3.7b,3.4
KRNET VII 06 21 26 07.4–.10 39.66N 73.38E 9 3.9b,3.4
ISCJB VII 06 21 26 08.8–.77 39.58N–.05 73.40E–.04 10 3.6b,3.4
NNC VII 06 21 26 08.7–1.6 39.70N 73.59E 0 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=16.4km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.6km az=153.0.
NNC Event type se. Error ellipse: s-maj=20.7km s-min=7.9km az=75.0.
ISC VII 12 05 35 45.3–.46 38.13N–.04 74.71E–.05 100 4.0b 90 2-83
SOME VII 12 05 35 42.8 39.08N 74.22E 10 4.0b **¶601276020**
ISCJB VII 12 05 35 43.3–.24 38.10N–.02 74.85E–.05 100 4.0b
NEIC VII 12 05 35 46.2–.85 38.29N 74.65E 96–9 4.0b
IDC VII 12 05 35 46.2–2.6 38.21N 74.69E 99–22 4.1,3.8
NNC VII 12 05 35 47.0–3.2 38.37N 74.50E 152–26 4.4,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=177.9.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=104.0.
IDC Error ellipse: s-maj=18.8km s-min=14.0km az=149.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=20.4km az=157.0.
ISC VII 13 00 06 08.9–1.4 39.44N–.06 73.59E–.03 10 69 1-5
KRNET VII 13 00 06 07.8–.10 39.44N 73.54E 11 3.2b **¶601475776**
NNC VII 13 00 06 07.9–2.0 39.48N 73.75E 0 3.7b,3.3
SOME VII 13 00 06 08.4 39.50N 73.40E 5 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=9.7km az=64.0.
ISC VII 20 16 20 29.8–1.6 39.73N–.08 73.83E–.03 10 60 0-5
SOME VII 20 16 20 28.9 39.65N 73.53E 15 **¶601457743**
NNC VII 20 16 20 28.8–.63 39.65N 73.87E 0 3.5b,3.2
KRNET VII 20 16 20 29.6–.10 39.73N 73.90E 3.3b,3.2
ISCJB VII 20 16 20 32.2–1.0 39.73N–.06 73.90E–.04 10 3.3b,3.2
ISC Event type se.
NNC Event type se.
ISCJB Event type se.
ISC VII 26 01 06 31.9–.24 38.31N–.03 73.96E–.02 137–1 5.3b 1434 2-153
ISCJB VII 26 01 06 30.2–.22 38.26N–.01 74.00E–.01 131–2 5.2b **¶601479294**
NEIC VII 26 01 06 31.8–.36 38.31N 74.01E 131–3 5.4b,5.2W
MOS VII 26 01 06 31.3–1.0 38.34N 74.04E 142 5.4b,5.2W
BJI VII 26 01 06 31.5 38.50N 74.25E 120 5.5b,5.1b
GCMT VII 26 01 06 31.8–.10 38.27N 73.93E 158–1 5.3W,5.1b
IDC VII 26 01 06 32.8–.58 38.24N 74.04E 144–4 5.4,5.0
NNC VII 26 01 06 34.0–2.0 38.46N 73.63E 145–13 5.3,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.8km az=32.1.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=187.0. Moment Tensor Solution. s31 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.26 $M_{\theta\theta}$1.12 $M_{\phi\phi}$1.13 $M_{r\theta}$-7.75 $M_{\theta\phi}$-0.81 $M_{\phi r}$2.10 Best double couple: NP1:ϕ_S322.00000°,δ8.00000°,λ-54.00000°. NP2:ϕ_S106.00000°,δ83.00000°,λ-95.00000°. Principal axes: T 7.9300,Plg38.0000°,Azm201.0000°; N 0.7000,Plg5.0000°,Azm107.0000°; P -8.6300,Plg51.0000°,Azm11.0000°

$M_0$8.30000×10^{16}
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=127.4.
GCMT Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. s83,c124; s126,c243; Duration: 1s‡1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$0.31±.02; $M_{r\theta}$-0.92±.01; $M_{\theta\phi}$-0.34±.02; $M_{\phi r}$0.32±.01; Best double couple: NP1:ϕ_s114.00000°,δ76.00000°,λ-104.00000°. NP2:ϕ_s341.00000°,δ20.00000°,λ-44.00000°. Principal axes: T 1.0950,Plg30.0000°,Azm215.0000°; N 0.0500,Plg14.0000°,Azm117.0000°; P -1.1450,Plg56.0000°,Azm5.0000° $M_0$1.12000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=6.5km az=7.0.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=11.5km az=170.0.

ISC	**VII**	**31 11 27 48.2–.86**	**39.76N–.06**	**73.66E–.04**	**10**	**3.6b**	**72**	**0-84**
SOME	VII	31 11 27 41.8	39.33N	73.65E	5	3.6b		**¶601498278**
IDC	VII	31 11 27 45.6–.93	39.42N	73.71E	0	3.8,3.7		
NNC	VII	31 11 27 46.9–2.2	39.60N	73.74E	0	3.9b,3.6		
KRNET	VII	31 11 27 48.2–.10	39.66N	73.47E		3.4b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=14.3km az=114.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=10.3km az=58.0.

ISC	**VIII**	**16 14 03 46.4–1.3**	**38.10N–.08**	**73.1E–.10**	**150**		**25**	**2-81**
ISCJB	VIII	16 14 03 48.3–1.1	38.17N–.06	73.4E–.20	150	3.0b		**¶601645471**
IDC	VIII	16 14 03 51.1–7.2	38.33N	73.21E	152–67	3.6,3.2		
NNC	VIII	16 14 03 53.0–2.0	38.50N	73.04E	144–13	3.4,2.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=5.5km az=163.2.
IDC Error ellipse: s-maj=143.1km s-min=60.5km az=97.0.
NNC Event type se. Error ellipse: s-maj=21.3km s-min=16.3km az=70.0.

ISC	**VIII**	**20 21 07 27.7–.70**	**38.38N–.05**	**74.24E–.06**	**100**	**3.9b**	**40**	**2-68**
IDC	VIII	20 21 07 21.9–5.8	37.97N	74.06E	62–34	3.8,3.6		**¶601589470**
ISCJB	VIII	20 21 07 27.3–.39	38.33N–.03	74.29E–.07	100	3.9b,3.6		
NNC	VIII	20 21 07 31.7–5.0	38.81N	73.61E	0	4.0b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=29.4km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=175.1.
NNC Event type se. Error ellipse: s-maj=36.7km s-min=28.7km az=163.0.

ISC	**VIII**	**29 11 43 39.1–.85**	**38.26N–.05**	**73.81E–.08**	**150**		**38**	**2-68**
ISCJB	VIII	29 11 43 41.1–.39	38.35N–.03	73.70E–.08	150	3.2b		**¶601643067**
IDC	VIII	29 11 43 46.5–6.1	38.68N	73.60E	170–53	3.6,3.1		
NNC	VIII	29 11 43 47.1–6.2	38.79N	73.65E	137–31	4.0,3.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.2km az=174.9.
IDC Error ellipse: s-maj=64.0km s-min=41.8km az=159.0.
NNC Error ellipse: s-maj=70.3km s-min=51.3km az=77.0.

ISC	**IX**	**10 09 32 01.6–2.4**	**38.6N–.20**	**73.8E–.10**	**150**		**17**	**1-67**
IDC	IX	10 09 31 45.8–26	37.37N	74.01E	77–108	3.7,3.6b		**¶601707407**
NNC	IX	10 09 32 01.4–1.2	38.59N	73.74E	150–6	3.4,2.4b		

ISC Event type se.
IDC Error ellipse: s-maj=290.1km s-min=59.9km az=177.0.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=10.7km az=82.0.

ISC	**IX**	**10 13 48 12.2–2.0**	**39.37N–.08**	**73.48E–.05**	**1–12**		**31**	**1-5**
NNC	IX	10 13 48 12.6–.92	39.42N	73.53E	0	3.5b,3.2		**¶601707444**
KRNET	IX	10 13 48 14.1–.10	39.48N	73.38E	15	2.9b,3.2		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=5.1km az=88.0.

ISC	**IX**	**14 12 01 00.4–2.8**	**37.6N–.20**	**74.4E–.10**	**10**		**9**	**2-12**
BJI	IX	14 12 00 57.4	37.55N	74.65E	7	3.3L		**¶601717551**
NNC	IX	14 12 01 00.9–2.7	37.40N	74.38E	158–30	3.5,2.6b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.4km s-min=23.7km az=83.0.

ISC	**IX**	**16 15 54 08.0–1.3**	**38.0N–.10**	**74.42E–.09**	**150**	**3.8b**	**22**	**2-68**
IDC	IX	16 15 54 06.5–5.6	37.80N	74.34E	130–43	3.7,3.5b		**¶601719499**
NNC	IX	16 15 54 19.8–3.8	38.88N	74.44E	0	3.3b,3.0		

ISC Event type se.
IDC Error ellipse: s-maj=67.1km s-min=29.4km az=138.0.
NNC Event type se. Error ellipse: s-maj=41.8km s-min=28.9km az=51.0.

ISC	**IX**	**17 15 43 36.5–4.1**	**38.2N–.20**	**74.9E–.10**	**20**		**12**	**2-6**
NNC	IX	17 15 43 38.6–4.5	38.97N	75.68E	0	4.0b,3.4		**¶601725119**

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.2km s-min=30.6km az=29.0.

ISC	**IX**	**19 19 46 32.1–.99**	**38.75N–.05**	**74.86E–.03**	**10**	**3.4b**	**44**	**2-81**
NNC	IX	19 19 46 28.1–4.0	38.21N	73.86E	0	3.9b,3.5		**¶601736361**
SOME	IX	19 19 46 29.2	38.65N	74.82E	10	3.9b,3.5		
IDC	IX	19 19 46 33.4–1.4	38.79N	74.45E	0	3.7,3.6b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.7km s-min=25.8km az=5.0.
IDC Error ellipse: s-maj=30.2km s-min=22.6km az=3.0.

ISC	**IX**	**20 20 55 11.3–3.5**	**38.7N–.10**	**74.72E–.08**	**10**		**10**	**1-4**
KRNET	IX	20 20 55 14.6–.10	38.77N	74.64E		3.3b		**¶604823441**

ISC Event type ke.

ISC	**IX**	**26 19 13 33.3–1.3**	**39.73N–.06**	**73.88E–.04**	**10**		**51**	**0-14**
NNC	IX	26 19 13 31.7–.87	39.71N	73.88E	0	3.6b,3.3		**¶601766970**
KRNET	IX	26 19 13 33.1–.10	39.75N	73.87E	10	3.1b,3.3		
ISCJB	IX	26 19 13 35.0–.82	39.75N–.05	73.85E–.04	10	3.1b,3.3		

ISC Event type se.
NNC Event type se.
ISCJB Event type se.

ISC	**X**	**03 08 58 40.4–1.3**	**39.66N–.05**	**73.62E–.03**	**10**		**57**	**0-14**
SOME	X	03 08 58 38.3	39.57N	73.52E	10			**¶601837236**
KRNET	X	03 08 58 41.0–.10	39.60N	73.57E	7	3.2b		
ISCJB	X	03 08 58 42.7–.93	39.49N–.05	73.61E–.05	10	3.2b		
NNC	X	03 08 58 43.8–1.7	39.65N	73.55E	0	3.6b,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.4km az=153.6.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=8.6km az=82.0.

ISC	**X**	**08 07 12 51.9–1.3**	**38.4N–.10**	**73.18E–.10**	**150**	**4.1b**	**28**	**2-82**
IDC	X	08 07 12 47.3–6.1	38.05N	73.21E	106–50	4.0,3.7		**¶601794923**
ISCJB	X	08 07 12 51.9–.88	38.43N–.07	73.23E–.09	150	3.8b,3.7		
NNC	X	08 07 12 53.3–1.1	38.49N	73.08E	141–7	3.4,2.5b		

ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=27.0km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=9.1km az=30.2.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=9.2km az=69.0.

ISC	**X**	**08 14 45 31.6–1.0**	**37.08N–.09**	**74.9E–.10**	**35**	**3.4b**	**29**	**3-82**
IDC	X	08 14 45 25.2–1.7	36.99N	74.95E	0	3.6,3.6b		**¶601795692**
NNC	X	08 14 45 40.6–2.5	37.64N	74.82E	175–23	3.3,2.3b		

ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=23.5km az=73.0.
NNC Event type se. Error ellipse: s-maj=25.0km s-min=20.9km az=103.0.

ISC	**X**	**13 11 22 56.0–4.5**	**38.7N–.30**	**74.53E–.09**	**35**		**7**	**1-5**
NNC	X	13 11 22 54.9–6.6	39.16N	75.05E	0	2.9b,2.6		**¶601834024**

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=73.9km s-min=50.8km az=55.0.

ISC	**X**	**21 10 58 28.3–.30**	**38.16N–.04**	**74.04E–.04**	**152**	**4.4b**	**274**	**2-153**
IDC	X	21 10 58 25.9–2.9	38.04N	74.09E	130–26	4.3,4.0		**¶601839952**
ISCJB	X	21 10 58 27.2–.16	38.14N–.02	74.13E–.03	152	4.3b,4.0		
MOS	X	21 10 58 28.0–1.0	38.23N	74.18E	155	4.3b,4.0		
NEIC	X	21 10 58 28.3–.43	38.19N	74.14E	145–3	4.5b,4.0		
BJI	X	21 10 58 29.2	38.31N	74.24E	153	4.6b,4.5b		
NNC	X	21 10 58 32.7–1.9	38.61N	73.99E	173–10	4.8,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=10.1km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.4km az=163.5.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=87.8.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.5km az=201.0.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=13.6km az=166.0.

ISC	**X**	**27 11 37 58.7–1.3**	**39.33N–.05**	**73.49E–.03**	**25–9**	**4.1b,3.4s**	**138**	**1-98**
IDC	X	27 11 37 54.6–.76	39.26N	73.54E	0	4.0,3.9		**¶601860519**
SOME	X	27 11 37 55.4	39.48N	73.32E	25	1.1s,3.9		
KRNET	X	27 11 37 56.0–.10	39.46N	73.55E	14	4.2b,3.9		
NEIC	X	27 11 37 56.7–3.7	39.32N	73.53E	13–24	4.4b,3.9		
BJI	X	27 11 37 57.0	39.49N	73.39E	7	4.2b,4.2b		
NNC	X	27 11 37 57.9–1.7	39.53N	73.61E	0	4.6b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.1km az=142.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=165.0.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=8.6km az=73.0.

ISC	**X**	**31 22 19 28.4–.66**	**38.35N–.05**	**73.75E–.07**	**100**	**3.9b**	**46**	**2-81**
IDC	X	31 22 19 25.8–4.0	38.23N	73.43E	85–37	3.8,3.6		**¶601867317**
ISCJB	X	31 22 19 27.5–.42	38.27N–.03	73.81E–.07	100	3.7b,3.6		
BJI	X	31 22 19 30.9	38.43N	73.50E	122	4.1b,3.6		
NNC	X	31 22 19 33.0–8.1	38.86N	73.30E	0	4.3b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=23.7km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=173.4.
NNC Event type se. Error ellipse: s-maj=64.8km s-min=41.8km az=158.0.

ISC	**XI**	**05 18 33 10.5–1.3**	**37.5N–.10**	**75.1E–.20**	**35**		**13**	**5-14**
NNC	XI	05 18 33 04.6–9.1	38.18N	76.15E	0	3.9b,3.5		**¶601880378**
ISCJB	XI	05 18 33 06.9–.99	37.4N–.10	75.0E–.20	35	3.9b,3.5		

ISC Event type se.
NNC Event type se.
ISCJB Event type se.

ISC	**XI**	**06 22 09 06.0–1.8**	**38.2N–.10**	**73.7E–.10**	**100**		**15**	**4-68**
IDC	XI	06 22 09 06.9–6.8	38.21N	74.09E	120–50	3.7,3.4b		**¶601882531**
NNC	XI	06 22 09 09.4–7.7	38.66N	73.54E	0	3.6b,3.1		

ISC Event type se.
IDC Error ellipse: s-maj=89.7km s-min=45.7km az=114.0.
NNC Event type se. Error ellipse: s-maj=62.4km s-min=40.3km az=154.0.

ISC	**XI**	**15 00 25 45.9–1.3**	**39.45N–.04**	**73.62E–.03**	**5–8**	**4.2b**	**198**	**1-84**
BJI	XI	15 00 25 44.3	39.68N	73.42E	8	4.0b,3.8L		**¶601901491**
SOME	XI	15 00 25 44.7	39.45N	73.78E	10	4.0b,3.8L		
IDC	XI	15 00 25 44.4–.68	39.37N	73.69E	0	4.2,4.1		
NNC	XI	15 00 25 46.8–1.1	39.56N	73.58E	0	4.5b,4.2		
KRNET	XI	15 00 25 46.7–.10	39.60N	73.68E		4.4b,4.2		
MOS	XI	15 00 25 48.4–1.3	39.45N	73.62E	33	4.5b,4.2		
NEIC	XI	15 00 25 50.5–1.1	39.47N	73.59E	38–9	4.2b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.4km az=147.0.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=5.9km az=73.0.
MOS Error ellipse: s-maj=8.3km s-min=5.0km az=88.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.1km az=160.0.

ISC	**XI**	**16 00 57 58.2–1.6**	**39.38N–.06**	**73.65E–.03**	**17–12**		**36**	**1-4**
NNC	XI	16 00 58 02.5–4.4	39.67N	74.07E	0	3.2b,2.9		**¶601992120**
KRNET	XI	16 00 58 02.3–.10	39.46N	73.57E		2.8b,2.9		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.7km s-min=18.9km az=21.0.

ISC	**XI**	**16 11 23 09.4–.94**	**38.00N–.08**	**73.9E–.10**	**152**	**3.7b**	**31**	**2-74**
IDC	XI	16 11 23 07.8–5.4	37.94N	74.24E	136–43	3.7,3.5		**¶601992235**
ISCJB	XI	16 11 23 08.6–.55	37.97N–.05	74.0E–.10	152	3.8b,3.5		
NNC	XI	16 11 23 11.1–5.6	38.15N	72.62E	0	3.8b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=41.0km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=4.9km az=152.1.
NNC Event type se. Error ellipse: s-maj=46.4km s-min=33.0km az=136.0.

NNC	**XI**	**16 23 33 34.2–8.7**	**38.62N**	**73.98E**	**0**	**3.6b,3.3**		**¶601992327**
NNC	Event type se. Error ellipse: s-maj=72.3km s-min=52.0km az=71.0.							
NNC	**XI**	**17 11 14 18.1–4.3**	**37.64N**	**74.91E**	**0**	**3.8b,3.4**		**¶601992473**
NNC	Event type se. Error ellipse: s-maj=38.2km s-min=30.1km az=55.0.							

ISC	**XI**	**18 06 26 12.6–1.4**	**39.36N–.04**	**73.85E–.03**	**1–9**	**3.9b**	**154**	**1-84**
IDC	XI	18 06 26 13.0–.95	39.43N	73.82E	0	3.9,3.8b		**¶601910092**
BJI	XI	18 06 26 13.6	39.71N	73.71E	10	3.8L,3.8b		
SOME	XI	18 06 26 14.2	39.60N	73.95E	20	3.8L,3.8b		
KRNET	XI	18 06 26 14.6–.10	39.59N	73.87E	11	4.2b,3.8b		
NNC	XI	18 06 26 15.3–.74	39.59N	73.79E	0	4.2b,4.0		
NEIC	XI	18 06 26 18.1–.41	39.39N	73.74E	35	4.0b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=15.6km az=126.0.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=3.4km az=49.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.8km az=203.0.

ISC	**XI**	**18 16 06 09.8–.93**	**37.55N–.09**	**75.95E–.09**	**105**	**3.7b**	**23**	**2-82**
ISCJB	XI	18 16 06 09.9–.65	37.62N–.05	75.94E–.09	105	3.7b		**¶601992740**
IDC	XI	18 16 06 10.1–3.6	37.46N	75.94E	115–30	3.7,3.5		
NNC	XI	18 16 06 14.4–1.8	37.74N	75.54E	167–20	3.2,2.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.5km az=6.3.
IDC Error ellipse: s-maj=31.8km s-min=23.6km az=28.0.
NNC Event type se. Error ellipse: s-maj=32.6km s-min=15.9km az=57.0.

ISC	**XI**	**26 19 33 24.4–.70**	**38.32N–.05**	**73.19E–.06**	**103**		**49**	**2-67**
IDC	XI	26 19 33 20.8–4.5	38.18N	73.08E	48–31	3.6,3.5		**¶601994638**
ISCJB	XI	26 19 33 23.3–.50	38.22N–.04	73.29E–.08	103	3.2b,3.5		
NNC	XI	26 19 33 27.5–6.9	38.70N	72.64E	0	4.1b,3.8		
BJI	XI	26 19 33 28.6	38.48N	73.44E	134	4.0b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=24.2km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.1km az=160.3.
NNC Event type se. Error ellipse: s-maj=58.2km s-min=33.8km az=145.0.

ISC	**XI**	**30 01 55 54.3–2.8**	**38.2N–.20**	**74.2E–.10**	**100**		**17**	**2-41**
IDC	XI	30 01 55 54.0–8.6	38.11N	74.88E	118–59	3.8b,3.5		**¶601995334**
NNC	XI	30 01 55 57.7–8.7	38.39N	72.82E	0	3.5b,3.1		

ISC Event type se.
IDC Error ellipse: s-maj=81.2km s-min=53.8km az=41.0.
NNC Event type se. Error ellipse: s-maj=69.1km s-min=48.7km az=144.0.

ISC	**XII**	**08 10 09 41.9–.30**	**38.12N–.03**	**74.09E–.03**	**169–2**	**4.6b**	**451**	**2-153**
ISCJB	XII	08 10 09 39.8–.24	38.12N–.02	74.15E–.03	159–2	4.5b		**¶602032184**
NEIC	XII	08 10 09 40.8–.41	38.13N	74.13E	156–3	4.7b		
MOS	XII	08 10 09 40.7–.98	38.18N	74.18E	167	4.8b		
IDC	XII	08 10 09 41.2–.52	38.05N	74.14E	161–4	4.6,4.3		
GCMT	XII	08 10 09 42.8–.30	38.12N–.02	74.11E–.03	178–3	4.9W,4.3		
NNC	XII	08 10 09 42.3–2.4	38.29N	73.82E	174–17	5.3,4.3b		
BJI	XII	08 10 09 43.3	38.24N	74.44E	175	4.7b,4.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=157.5.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.3km az=199.0.
MOS Error ellipse: s-maj=5.9km s-min=3.8km az=103.0.
IDC Error ellipse: s-maj=9.7km s-min=6.9km az=13.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c18; s96,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.11 $M_{\theta\theta}$-2.51±.12; $M_{\phi\phi}$0.53±.11; $M_{r\theta}$-1.76±.10; $M_{\theta\phi}$1.10±.12; $M_{\phi r}$-1.08±.08; Best double couple: NP1:ϕ_s258.00000°,δ67.00000°,λ58.00000°. NP2:ϕ_s137.00000°,δ39.00000°,λ142.00000°. Principal axes: T 3.2960,Plg55.0000°,Azm126.0000°; N -0.0390,Plg30.0000°,Azm272.0000°; P -3.2540,Plg16.0000°,Azm12.0000° $M_0$3.27500×10^{16}
NNC Event type se. Error ellipse: s-maj=22.4km s-min=16.9km az=160.0.

ISC	**XII**	**23 11 20 50.0–1.7**	**39.38N–.09**	**73.15E–.05**	**10**		**21**	**1-5**
NNC	XII	23 11 20 49.1–1.3	39.40N	73.42E	0	3.7b,3.3		**¶602589011**
ISCJB	XII	23 11 20 50.8–1.3	39.36N–.08	73.20E–.06	10	3.7b,3.3		
KRNET	XII	23 11 20 50.2–.10	39.50N	73.16E	16	2.7b,3.3		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=7.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.1km az=159.9.

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NNC	**IX**	**04 12 11 02.5–5.8**	**35.76N**	**73.60E**	**0**	**4.1b,3.7**		**¶601721765**
NNC	Event type se. Error ellipse: s-maj=77.2km s-min=41.4km az=90.0.							
ISC	**IX**	**21 20 38 51.8–.65**	**35.95N–.06**	**73.32E–.06**	**10**	**4.1b**	**72**	**2-82**
ISCJB	IX	21 20 38 47.8–.35	35.79N–.04	73.35E–.05	10	4.1b,3.5s		**¶601783743**
IDC	IX	21 20 38 48.7–1.0	35.83N	73.32E	0	3.9,3.8		
NEIC	IX	21 20 38 55.2–.63	36.02N	73.30E	40–6	4.2b,3.8		
NNC	IX	21 20 38 56.4–3.1	36.12N	73.00E	7–13	4.0b,3.7		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.9km az=147.1.
IDC Error ellipse: s-maj=23.4km s-min=18.8km az=13.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.5km az=150.0.
NNC Event type se. Error ellipse: s-maj=29.9km s-min=22.8km az=99.0.

ISC	**IX**	**24 19 08 15.0–1.2**	**36.92N–.09**	**73.03E–.08**	**42**	**3.8b**	**28**	**3-41**
IDC	IX	24 19 08 10.7–1.6	37.16N	73.14E	0	3.8,3.7		**¶601794654**
ISCJB	IX	24 19 08 13.6–.91	36.95N–.06	72.98E–.07	42	3.5b,3.7		
NNC	IX	24 19 08 14.4–2.6	36.85N	73.25E	161–21	3.9,3.0b		

ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=23.2km az=27.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.5km az=147.8.
NNC Event type se. Error ellipse: s-maj=28.8km s-min=20.1km az=74.0.

ISC	**X**	**16 02 36 02.3–2.5**	**36.8N–.20**	**74.1E–.20**	**100**		**11**	**3-42**
NNC	X	16 02 35 56.8–2.2	36.68N	74.19E	171–30	3.4,2.5b		**¶601998431**
IDC	X	16 02 36 28.1–86	40.71N	71.87E	0	4.1,4.1b		

ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=20.5km az=79.0.
IDC Error ellipse: s-maj=1493.0km s-min=72.6km az=159.0.

ISC	**XI**	**09 05 44 34.8–.38**	**36.75N–.04**	**73.16E–.05**	**42**	**4.3b**	**182**	**3-152**
IDC	XI	09 05 44 31.8–5.7	36.80N	73.11E	18–34	4.2,4.1		**¶601882376**
ISCJB	XI	09 05 44 32.7–.22	36.67N–.02	73.13E–.04	42	4.3b,3.1s		
NNC	XI	09 05 44 35.6–1.9	37.09N	72.87E	0	4.5b,4.1		
BJI	XI	09 05 44 36.0	36.91N	73.35E	45	4.5b,4.4b		
NEIC	XI	09 05 44 36.4–.73	36.88N	73.09E	51–5	4.4b,4.4b		
MOS	XI	09 05 44 36.2–.92	36.89N	73.17E	66	4.5b,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.2km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.8km az=163.2.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=13.9km az=109.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=157.0.
MOS Error ellipse: s-maj=11.1km s-min=4.8km az=83.5.

SEISMIC REGION 49.
Northern Eurasia.

(724) Baltic States-Belarus-Northwestern Russia.

ISC	**VII**	**18 07 59 42.2–2.1**	**52.68N–.08**	**35.0E–.10**	**10**		**10**	**4-17**
VKMS	VII	18 07 59 34.0	52.30N	35.42E		2.3		**¶601664779**
IDC	VII	18 07 59 44.3–3.2	52.37N	35.13E	0	3.7,3.7		

ISC Event type ke.
VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=35.9km s-min=11.4km az=117.0.

IDC	**VII**	**27 19 44 49.7–354**	**57.12N**	**29.56E**	**0**			**¶601666535**

IDC Error ellipse: s-maj=150.4km s-min=88.0km az=99.0.

IDC	**VII**	**27 21 38 43.3–351**	**56.91N**	**29.80E**	**0**			**¶601666540**

IDC Error ellipse: s-maj=147.9km s-min=84.7km az=95.0.

IDC	**VIII**	**02 17 00 53.0–350**	**57.47N**	**30.36E**	**0**			**¶601765360**

IDC Error ellipse: s-maj=149.7km s-min=81.0km az=105.0.

IDC	**VIII**	**02 21 40 55.4–353**	**57.16N**	**29.95E**	**0**			**¶601765370**

IDC Error ellipse: s-maj=149.5km s-min=83.8km az=99.0.

IDC	**VIII**	**03 12 09 60.0–319**	**51.93N**	**53.66E**	**0**			**¶601765397**

IDC Error ellipse: s-maj=126.7km s-min=69.8km az=120.0.

IDC	**VIII**	**08 14 04 02.0–307**	**51.54N**	**53.89E**	**0**			**¶601765659**

IDC Error ellipse: s-maj=121.7km s-min=66.7km az=114.0.

IDC	**VIII**	**08 16 12 40.4–307**	**51.25N**	**54.26E**	**0**			**¶601765660**

IDC Error ellipse: s-maj=120.3km s-min=67.6km az=110.0.

IDC	**VIII**	**09 12 26 30.4–476**	**51.77N**	**53.05E**	**0**			**¶601765701**

IDC Error ellipse: s-maj=181.8km s-min=85.0km az=111.0.

IDC	**VIII**	**10 06 23 41.5–5.7**	**59.43N**	**28.19E**	**0**	**1.8,1.8**		**¶601765723**

IDC Error ellipse: s-maj=46.4km s-min=42.1km az=142.0.

IDC	**VIII**	**11 14 30 24.9–3.5**	**59.23N**	**28.35E**	**0**	**2.4,2.4**		**¶601765754**

IDC Error ellipse: s-maj=39.8km s-min=24.2km az=65.0.

IDC	**VIII**	**20 02 35 32.0–461**	**56.87N**	**37.75E**	**0**			**¶601766175**

IDC Error ellipse: s-maj=204.8km s-min=7.8km az=63.0.

IDC	**VIII**	**31 07 58 55.8–3.9**	**52.63N**	**34.98E**	**0**	**3.7,3.6**		
VKMS	VIII	31 07 58 50.0	52.31N	35.42E		2.0,3.6		**¶601755651**

IDC Error ellipse: s-maj=52.5km s-min=14.5km az=122.0.
VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

ISC	**IX**	**05 10 01 37.7–.88**	**59.93N–.04**	**24.34E–.06**	**10**		**14**	**0-10**
IDC	IX	05 10 01 36.2–2.1	59.80N	24.65E	0	3.3,3.3		**¶601862978**
ISCJB	IX	05 10 01 37.9–.57	59.98N–.03	24.12E–.08	10	3.3,3.3		
LVSN	IX	05 10 01 39.9–8.2	60.00N	24.26E	0–51	2.2L,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=7.6km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=174.4.
LVSN Error ellipse: s-maj=18.2km s-min=62.9km az=-1.0.

ISC	**IX**	**05 11 10 50.7–.91**	**59.91N–.04**	**24.29E–.06**	**10**		**14**	**0-10**
IDC	IX	05 11 10 49.2–2.1	59.74N	24.55E	0	3.4,3.3		**¶601862981**
ISCJB	IX	05 11 10 50.8–.58	59.99N–.04	24.07E–.09	10	3.4,3.3		
LVSN	IX	05 11 10 53.3–8.3	59.98N	24.32E	0–50	2.2L,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=7.6km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=18.2.
LVSN Error ellipse: s-maj=18.0km s-min=69.1km az=-1.0.

ISC	**IX**	**19 08 00 23.4–2.4**	**52.4N–.10**	**35.4E–.20**	**10**		**8**	**4-63**
VKMS	IX	19 08 00 22.0	52.32N	35.45E		2.4		**¶601863816**
IDC	IX	19 08 00 23.7–2.6	52.43N	35.52E	0	4.0,3.8		

ISC Event type ke.
VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=32.1km s-min=12.7km az=119.0.

IDC	**IX**	**19 15 53 26.7–5.6**	**60.17N**	**29.98E**	**0**			**¶601863835**

IDC Error ellipse: s-maj=44.8km s-min=33.3km az=35.0.

IDC	**IX**	**25 07 27 10.0–999**	**54.72N**	**43.70E**	**0**			**¶601864139**

IDC Error ellipse: s-maj=790.6km s-min=195.6km az=102.0.

ISC	**X**	**03 08 00 12.8–.96**	**52.51N–.08**	**35.37E–.07**	**10**		**12**	**3-27**
VKMS	X	03 08 00 11.0	52.30N	35.43E		2.5		**¶601996905**
IDC	X	03 08 00 14.3–1.1	52.25N	35.50E	0	3.8,3.8		

ISC Event type ke.
VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=16.4km s-min=9.9km az=153.0.

IDC	**X**	**09 06 41 37.3–3.8**	**51.31N**	**54.78E**	**0**	**3.1,3.1**		**¶601997622**

IDC Error ellipse: s-maj=38.5km s-min=26.7km az=68.0.

IDC	**X**	**10 14 14 27.5–2.8**	**62.80N**	**33.22E**	**0**	**3.3,3.3**		**¶601997768**

IDC Error ellipse: s-maj=31.1km s-min=11.4km az=123.0.

IDC	**X**	**19 08 00 08.6–3.8**	**52.50N**	**35.29E**	**0**	**3.7,3.6**		
VKMS	X	19 08 00 05.0	52.31N	35.44E		2.4,3.6		**¶601998899**

IDC Error ellipse: s-maj=43.7km s-min=13.8km az=114.0.
VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

IDC	**XI**	**14 11 58 45.3–568**	**61.73N**	**48.61E**	**0**			**¶602389387**

IDC Error ellipse: s-maj=248.2km s-min=211.4km az=102.0.

VKMS	**XI**	**16 08 00 30.0**	**52.31N**	**35.43E**		**2.1**		
IDC	XI	16 08 00 32.7–4.2	52.46N	35.70E	0	3.7,3.6		**¶602389494**

VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=48.4km s-min=15.0km az=105.0.

IDC	**XI**	**28 08 48 09.4–.91**	**59.85N**	**23.95E**	**0**	**3.4,3.3**		**¶602390103**

IDC Error ellipse: s-maj=11.9km s-min=7.1km az=139.0.

IDC	**XI**	**28 08 48 28.9–2.6**	**59.76N**	**24.17E**	**0**	**3.5,3.4**		**¶602390106**

IDC Error ellipse: s-maj=35.1km s-min=8.7km az=142.0.

IDC	**XII**	**05 10 28 17.4–999**	**51.02N**	**49.89E**	**0**			**¶602390494**

IDC Error ellipse: s-maj=923.5km s-min=111.7km az=91.0.

ISC	**XII**	**19 08 08 19.7–2.0**	**52.4N–.10**	**35.0E–.10**	**10**		**7**	**3-18**
VKMS	XII	19 08 08 15.0	52.31N	35.43E		2.4		**¶602391661**
IDC	XII	19 08 08 17.6–3.2	52.16N	35.42E	0	3.5,3.5		

ISC Event type ke.
VLA Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).
IDC Error ellipse: s-maj=44.0km s-min=10.8km az=132.0.

IDC	**XII**	**21 09 39 26.0–2.6**	**59.65N**	**22.42E**	**0**	**3.1,3.0**		**¶602391797**

IDC Error ellipse: s-maj=42.0km s-min=10.6km az=159.0.

IDC	**XII**	**21 09 39 34.6–2.8**	**59.65N**	**22.52E**	**0**	**2.9,2.8**		**¶602391800**

IDC Error ellipse: s-maj=45.8km s-min=10.9km az=158.0.

IDC	**XII**	**21 09 39 40.3–3.7**	**59.57N**	**22.38E**	**0**	**3.1,2.9**		**¶602391803**

IDC Error ellipse: s-maj=55.1km s-min=13.8km az=160.0.

(726) Northern and central Siberia.

IDC	**XI**	**21 05 00 45.1–1.0**	**66.37N**	**110.30E**	**0**	**3.6,3.4**		**¶602389769**

IDC Error ellipse: s-maj=60.3km s-min=19.6km az=137.0.

SEISMIC REGION 50.
Antarctica.

(728) Ross Sea.

ISC	**VIII**	**03 06 06 11.1–.41**	**76.35S–.06**	**164.64E–.08**	**17–2**	**4.9b,3.9s**	**290**	**1-167**
AWI	VIII	03 06 06 07.4	76.27S	164.43E		4.9b,3.9s		**¶601513951**
ISCJB	VIII	03 06 06 07.7–1.8	76.29S–.04	164.1E–.40	7–11	4.8b,4.2s		
NEIC	VIII	03 06 06 10.0–.17	76.31S	164.07E	10	5.1b,4.2s		
MOS	VIII	03 06 06 11.8–3.3	76.24S	163.74E	12	5.3b,4.2s		
IDC	VIII	03 06 06 11.6–.40	76.32S	163.82E	19–2	4.6,4.6		
GCMT	VIII	03 06 06 12.0–.50	76.44S–.04	164.5E–.10	16–1	4.9W,4.6		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c34; s56,c74;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.80±.21 $M_{\theta\theta}$0.04±.13; $M_{\phi\phi}$2.77±.17; $M_{r\theta}$-1.17±.41; $M_{\theta\phi}$-0.34±.12; $M_{\phi r}$0.31±.43; Best double couple: NP1:ϕ_s154.00000°,δ53.00000°,λ-114.00000°. NP2:ϕ_s11.00000°,δ43.00000°,λ-62.00000°. Principal axes: T 2.8490,Plg5.0000° ,Azm261.0000°; N 0.3830,Plg19.0000°,Azm169.0000°; P -3.2260,Plg70.0000°,Azm5.0000° $M_0$3.03700×10^{16}

(729) Antarctica.

ISC	**VIII**	**21 09 26 02.5–.39**	**84.41S–.07**	**41.50E–.09**	**10**	**4.6b**	**74**	**6-160**
ISCJB	VIII	21 09 26 00.7–.39	84.50S–.05	40.8E–.60	10	4.4b,3.4s		**¶601610550**
NEIC	VIII	21 09 26 02.3–2.5	84.42S	41.48E	7–15	4.4b,3.4s		
IDC	VIII	21 09 26 06.9–2.2	84.38S	41.91E	35–16	4.5,4.4		
AWI	VIII	21 09 26 08.3	84.47S	40.08E		4.5,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=147.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=224.0.
IDC Error ellipse: s-maj=16.7km s-min=16.1km az=142.0.

ISC	**IX**	**06 12 39 27.0–1.4**	**77.9S–.30**	**149.9W–.20**	**10**	**4.1b**	**7**	**10-150**
IDC	IX	06 12 39 22.6–1.1	77.58S	148.13W	0	4.2,4.1		**¶601863043**

ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=24.5km az=12.0.

IDC	**XI**	**22 17 10 46.5–9.6**	**67.70S**	**110.04E**	**0**	**3.8,3.7**		**¶602389844**

IDC Error ellipse: s-maj=249.8km s-min=42.9km az=80.0.

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION NAME WITH BASIC PARAMETERS

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
100 Mile House	HM-BC	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
1031 Sheenboro Crescent, Ottawa	OT001	Ontario,Canada	45.4788N	75.4745W	88	From 2001-11-15
1514 Bourcier, Ottawa	OT002	Ontario,Canada	45.4742N	75.5019W	84	From 2005-03-24
16, Winslow Court, Ottawa	OT004	Ontario,Canada	45.3644N	75.7746W	78	From 2005-03-24
2758 Massicotte Lane, Ottawa	OT008	Ontario,Canada	45.3496N	75.6418W	80	From 2005-06-29
29 Palms	TN-	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
413	BUK	Nevada,U.S.A.	37.0505N	116.1890W	1490	From 1965-01-01 to 1970-12-31
416	LWN	Nevada,U.S.A.	36.6183N	116.3930W	808	From 1970-01-01 to 1999-08-25
4D Ranch, Culbertson	O29A	Nebraska,U.S.A.	40.1253N	100.7977W	826	From 2009-05-27 to 2011-04-04
4UR Ranch, Creede	S22A	Colorado,U.S.A.	37.7461N	106.8293W	2626	From 2008-06-15
5 Glenshane	B5GA	Barbados	13.0670N	59.5955W	35	
5 Mile Ranch, Herman	F33A	Minnesota,U.S.A.	45.8398N	96.2929W	313	From 2010-08-22 to 2012-06-07
7 Observatory Cres., Ottawa	OT012	Ontario,Canada	45.3942N	75.7167W	77	From 2001-09-24
959, Brant, Ottawa	OT006	Ontario,Canada	45.4292N	75.6500W	68	From 2006-03-03
9 Mile Ranch, Kaycee	I22A	Wyoming,U.S.A.	43.8924N	106.4840W	1430	From 2008-10-08 to 2010-09-07
A01	A01	Germany	52.2580N	7.3360E	47	
A02	A02	Germany	52.4220N	7.9350E	90	
A04	A04	Germany	52.1880N	8.0810E	140	
A05	A05	Germany	51.9490N	8.6840E	250	
A06	A06	Germany	51.6830N	7.4410E	65	
A07	A07	Germany	51.6960N	8.0100E	85	
A08	A08	Germany	51.6790N	8.9620E	340	
A09	A09	Germany	51.4920N	8.0640E	235	
A10E	A10E	Germany	51.4940N	8.4530E	360	
A11E	A11E	Germany	51.3000N	7.4140E	270	
A12	A12	Germany	51.2450N	7.1990E	325	
A13	A13	Germany	51.1310N	7.1350E	165	
A14	A14	Germany	50.9470N	7.4210E	350	
A15	A15	Germany	50.7500N	7.4490E	155	
A@15sbjarnarstat ir	IASB	Iceland	64.7480N	21.3250W	94	
A16E	A16E	Germany	50.8460N	6.8920E	100	
A17	A17	Germany	50.7680N	6.7230E	130	
A18	A18	Germany	50.5640N	8.0860E	370	
A19	A19	Germany	50.6050N	7.8100E	415	
A20	A20	Germany	50.7020N	8.2260E	380	
A21E	A21E	Germany	50.7750N	8.0400E	330	
A33	A33	Germany	51.9510N	7.4070E	165	
A50	A50	Germany	51.2180N	7.9930E	540	
A51	A51	Germany	51.1130N	7.8890E	300	
A52	A52	Germany	50.9770N	7.7550E	510	
A53	A53	Germany	50.8740N	7.6380E	390	
A54E	A54E	Germany	50.7240N	7.5550E	320	
A70	A70	Germany	50.8390N	6.8850E	115	
A71	A71	Germany	51.0360N	6.4320E	-300	
A72	A72	Germany	51.0050N	6.8200E	-300	
A80	A80	Germany	50.7410N	8.6390E	230	
A82	A82	Germany	51.0510N	9.1760E	225	
A83	A83	Germany	51.4260N	9.6840E	200	
A84	A84	Germany	51.5460N	9.9660E	270	
A85	A85	Germany	50.9160N	8.9430E	220	
Aachen	BA01	Nordrhein-Westfalen,Germany	50.7789N	6.0614E	216	From 2006-10-01
Aachen	AAC	Nordrhein-Westfalen,Germany	50.7833N	6.0833E	179	
Aaknes	AKN	Norway	62.1783N	6.9974E	508	From 2009-11-01
Aasiaat, Greenland	ASIG	Greenland	68.7060N	52.8710W	60	From 2004-05-11
Abakan	ABNR	Krasnoyarskiy Kray,Russia	53.7250N	91.4350E	125	From 2003-10-29
Abant	ABT	Turkey	40.6058N	31.3208E	1794	From 1991-01-01 to 1993-10-01
Abaselama	ABSE	Eritrea	14.8847N	39.3272E	2392	
Abashiri	ABJ	Abashiri,Japan	44.0150N	144.2830E	38	
Abashiri 2	ABJ2	Abashiri,Japan	43.8417N	143.8700E	180	From 1994-02-10 to 2001-08-03
Abashiri--Tokoro	JTKR	Abashiri,Japan	43.9707N	143.9082E	42	
Abastumani	ABS	Georgia,Georgia	41.7555N	42.8134E	1590	From 1940-01-01
Abbadia di Fiastra (Tolentino)	T0402	Italy	43.2213N	13.4063E	212	
Abbazia di Naro	NARO	Italy	43.6108N	12.5806E	271	From 2011-01-17
Abbeville	254A	Georgia,U.S.A.	31.9457N	83.2905W	78	From 2012-03-14
Abborrasen	ABB	Sweden	57.8450N	12.7860E	239	From 1980-01-01 to 1991-12-31
Abdulvahap	ADVT	Turkey	40.4332N	29.7383E	193	From 2006-05-19
Abeche	ABC	Chad	13.8272N	20.8444E	550	From 1965-01-01 to 1968-06-30
Aberdeen	ABE	Scotland,United Kingdom	57.1667N	2.1000W	12	
Aberfeldy	ABEM	Victoria,Australia	37.7194S	146.3890E	548	
Aberfoyle	EAB	Scotland,United Kingdom	56.1881N	4.3400W	250	From 1969-01-01
Aberstueckl	ABSI	Italy	46.7285N	11.3205E	1801	From 2006-12-13
Abfaltersbach	ABTA	Austria	46.7474N	12.5123E	1041	From 2006-12-13
Abgarm-Qazvin	QABG	Iran	35.7085N	49.5824E	2084	From 2012-04-20
Abha	ABHA	Saudi Arabia	18.2500N	42.7500E	2200	From 1988-11-01
Abilene, Hawley	ABTX	Texas,U.S.A.	32.6238N	99.6431W	502	From 2009-02-12
Abington	ABG	Pennsylvania,U.S.A.	40.1167N	75.1333W		
Abisko	ABK	Sweden	68.3417N	18.8167E	385	
Aboa	ABOA	Dronning Maud Land	73.0500S	13.4167W	200	From 2007-01-18
Abo Dabab	NADB	Egypt	25.3405N	34.5021E	295	
Abou Kooc	KOOC	Syria	33.6592N	36.7633E	1120	From 1994-12-01
Abou Rabah	RABH	Syria	34.4354N	37.2054E	738	From 1994-12-01
Abra de Ilog	ABP	Mindoro,Philippines	13.4440N	120.7270E		From 1976-02-01 to 1977-05-22
Abri du Galion	ABGF	Guadeloupe,France	16.0323N	61.6603W	1150	
Abries	OG22	Provence-Cote d'Azur,France	44.8227N	6.9452E	1810	
Abriola	ABRE	Italy	40.5008N	15.7601E	1542	
Abrolhos, BA	ABR01	Brazil	17.9646S	38.6959W	38	From 2014-12-13
Absaloka Mine, Hardin	F21A	Montana,U.S.A.	45.8231N	107.1233W	1026	From 2008-08-12 to 2010-08-08
Absolon Red Butte, Lander	K19A	Wyoming,U.S.A.	42.8247N	108.8466W	1878	From 2007-11-08 to 2009-10-07
Abu 'Arish	ABAR	Saudi Arabia	16.9420N	42.9390E	135	From 1996-03-01
Abu Hadid	AAHD	Egypt	23.7474N	32.7511E	240	
Abu Rakh	BAHS2	Saudi Arabia	20.8690N	41.1920E	100	
Abu Rudays	HRDS	Egypt	28.7120N	33.2975E	260	
Abu Simbel	ASL	Egypt	22.3369N	31.6161E		From 1975-10-01
Abu Simbel	ABUS	Egypt	22.2500N	31.1372E	230	
Abuyama	ABU	Osaka,Japan	34.8603N	135.5740E	200	From 1966-07-08
Abymes - Guadeloupe	GABY	Guadeloupe,France	16.2706N	61.5044W	20	From 2005-02-01
Academy	AY-	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Academy	AY-SD	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Acapulco	ACX	Guerrero,Mexico	16.8694N	99.8583W	300	
Acapulco	ACP2	Mexico	16.8743N	99.8865W	167	From 2009-02-16
Acatlan	ACP	Puebla,Mexico	18.2078N	98.0597W	1250	
Accomac	S61A	Virginia,U.S.A.	37.6804N	75.6727W	58	
Accumuli	RM31	Italy	42.7023N	13.2331E	1034	From 2009-09-17 to 2010-02-15
Aceler^‡grafo del Angel	AANG	Ecuador	0.6208N	77.9397W	3011	
Acerenza	ACER	Italy	40.7867N	15.9427E	690	From 2007-07-05
Acheberg	ACHB	Switzerland	47.5876N	8.2543E	470	From 1983-06-01
Achilles Lake	ACKN	Northwest Territories,Canada	64.9915N	110.8708W	467	
Achnashellach	KAC	Scotland,United Kingdom	57.4999N	5.2982W	330	From 1983-01-01
Achvaich	MVH1	Scotland,United Kingdom	57.9250N	4.1825W	185	From 1984-01-01
Aci Sant'Antonio	EACI	Sicily,Italy	37.6140N	15.1290E	290	From 1994-10-01
Acomizza, Italy	ACOM	Italy	46.5480N	13.5130E	1788	
Acorn Hollow, Los Molinos	O03C	California,U.S.A.	39.9971N	122.0319W	85	From 2005-04-19 to 2007-09-06
Acoyapa	ACON	Nicaragua	11.9680N	85.1740W	107	
Acoyapa	ACY	Nicaragua	11.9977N	85.2252W	400	From 1975-01-01
Acquaformosa (CS)	T0702	Italy	39.7209N	16.0835E	882	From 2012-05-25
Acrocorinthos	ACOR	Greece	37.8902N	22.8692E	437	From 2008-12-29
Acton	ACTO	Ontario,Canada	43.6087N	80.0624W	360	From 1991-07-09
Adagdak	AD8	Alaska,U.S.A.	51.9806N	176.6000W	259	From 1974-01-01 to 1992-02-01
Adak	ADA	Alaska,U.S.A.	51.8633N	176.6550W		From 1949-07-01 to 1954-04-30
Adak	ADK	Alaska,U.S.A.	51.8837N	176.6840W	116	From 1966-01-01
Adak Island	AD-IS	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adak Island	AD-	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adam Dziewonski Observatory (Oak Ridge)	HRV	Massachusetts,U.S.A.	42.5064N	71.5583W	200	From 1975-08-01
Adamit	ADI	Israel	33.0789N	35.2250E	470	From 1983-07-01
Adams	ADN	New York,U.S.A.	43.8333N	76.1197W	137	From 1974-11-24 to 1977-07-27
Adamsville	O52A	Ohio,U.S.A.	40.1158N	81.8361W	331	From 2012-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Adamuz	EADA	Spain	38.1673N	4.5771W	565	
Adana	ADAT	Turkey	37.0623N	35.3550E	150	From 1992-01-01
Adana	ADT	Turkey	37.0638N	35.3550E	150	From 1979-12-01 to 1999-08-25
Adana	AKO	Turkey	37.4615N	35.4460E	450	From 2007-02-13
ADANA	SAIM	Turkey	37.9766N	36.0823E	1028	From 2011-10-19
Addanki	ADKI	Andhra Pradesh,India	15.8446N	79.9686E	49	From 2008-09-01
Ad Darb	DRBS	Saudi Arabia	17.8281N	42.3010E	160	
Addlestone Acy	ADSC	South Carolina,U.S.A.	32.8119N	80.0167W	6	
Adel	AOT	Oregon,U.S.A.	42.1665N	119.9033W	1370	
Adeladia	PADM	California,U.S.A.	35.6393N	120.8640W	471	
Adelaida	ADES	El Salvador	13.6583N	89.3583W	1200	From 1991-12-01
Adelaide	ADE	South Australia,Australia	34.9669S	138.7090E	655	From 1958-06-01
Adelanto	ADL	California,U.S.A.	34.5563N	117.4170W	900	From 1975-02-01
Adelanto Receiving Station	ADO	California,U.S.A.	34.5505N	117.4339W	908	From 2000-08-09
Adell	L07A	Oregon,U.S.A.	42.0187N	119.3398W	1816	From 2006-06-09 to 2008-04-17
Aden	ADEN	Yemen	12.7760N	44.9830E	41	From 1994-11-01
ADIBADRI	ABI	Uttar Pradesh,India	30.1520N	79.2084E	1595	From 2007-06-30
Adirondack	RSNY	New York,U.S.A.	44.5483N	74.5300W	396	
Adirondack Community College	ACCN	New York,U.S.A.	43.3843N	73.6678W	340	
Adis Abeba	AAE	Ethiopia	9.0292N	38.7656E	2442	From 1959-03-01
Adit at Lawrence Berkeley Lab, Berkeley, CA	VAK	California,U.S.A.	37.8775N	122.2489W	241	From 2010-08-31 to 3000-12-31
Adjabya	LJBD	Libya	30.9130N	20.1982E	49	
ADJUD	ADJ	Romania	46.0952N	27.1821E	102	From 2008-10-23
Administraci^‡n Zonal Eloy Alfaro - Quito	VIFL	Ecuador	0.2486S	78.5251W	2839	
Administraci^‡n Zonal Quitumbe - Quito	QUIB	Ecuador	0.2964S	78.5480W	2921	
Adndan	AADN	Egypt	22.1224N	31.5307E	260	
Adobe Creek	GACM	California,U.S.A.	38.8728N	122.8620W	985	
Adobe Valley	AVC	California,U.S.A.	37.9160N	118.7330W	2225	From 1975-07-01 to 1977-09-30
Adra	EXAD	Spain	36.7500N	3.0010W	24	
Adra	ADRA	Spain	36.7893N	3.0487W	0	
Adria, Italy	ADRI	Italy	45.0378N	12.0167E	1	From 2008-01-26
Adriano, Sevilla	E011	Spain	37.2103N	5.9905W	56	From 2007-09-23 to 2009-06-11
Aeknabara	AEKI	Sumatera,Indonesia	2.1017N	98.4536E	840	From 1991-01-01
Aeronautique	ZAM	Martinique,France	14.5727N	61.0287W	25	
Aery, Baudette	B34A	Minnesota,U.S.A.	48.4860N	94.6501W	354	From 2010-09-14 to 2012-08-02
Aespoe	ASPU	Sweden	57.4185N	16.5992E	10	From 2005-04-14
Afareaitu	AFR	Moorea,French Polynesia	17.5383S	149.7780W	50	
Afiamalu	AFI	Samoa Islands	13.9094S	171.7770W	706	From 1958-04-01
Afif	AFIF	Saudi Arabia	24.1010N	43.1800E	950	From 1990-03-01
'Afif	AFFS	Saudi Arabia	23.9267N	43.0005E	1090	
Afjeh	IAFJ	Iran	35.8560N	51.7125E	2750	From 1996-01-01
Afriz	AFRZ	Iran	33.4252N	59.0150E	1449	From 2013-11-10
Af¯ar-Bala (Ankara)	AFSR	Turkey	39.4468N	33.0707E	1055	From 2008-09-05
Aftenstjerne Lake, Greenland	ASSG	Greenland	82.1762N	38.1082W	318	From 2004-07-24
Afyonkarahisar	AFYO	Turkey	38.7871N	30.2988E	1081	From 2013-02-20
AFYON_Kizioren	KZIL	Turkey	38.2575N	30.1412E	1202	From 2011-09-26
Agadir Fac de Sc.	AFS	Morocco	30.4200N	9.5000W	75	From 2001-06-02
Agadir Oufela	AOF	Morocco	30.4400N	9.5600W	90	From 2001-06-02
Agalyk	AGL	Uzbekistan	39.5169N	66.8811E	865	From 1905-05-16
Agartala	AGT	Tripura,India	23.8833N	91.2500E	17	
Agas	AASA	Salta,Argentina	24.7977S	65.4038W	1180	From 1978-05-26
Agassiz Lake	AGAM	Alaska,U.S.A.	60.1542N	141.0330W	1024	
Agassiz National Wildlife Refuge	AGMN	Minnesota,U.S.A.	48.2978N	95.8619W	351	From 2006-09-20
Agave Hill	AGAC	California,U.S.A.	33.6384N	116.4011W	809	
Agdam	AGDM	Azerbaijan	40.1083N	47.1083E	500	From 2013-10-13
Agenahambo	AGE	Papua New Guinea	8.8136S	148.0990E	303	From 1963-08-01 to 1972-12-31
Aggia Anna	VAG	Greece	38.3161N	22.9003E	760	From 1982-10-01
Agha	AGYR	Russia	44.1480N	39.0370E	0	
Aghdareh	HAGD	Iran	34.8220N	49.1397E	2120	From 2011-04-01
AGIA	AGIA	Assam,India	26.0663N	90.4642E	75	From 2012-01-01
Agia Marina, Milos Island	MHLO	Greece	36.6898N	24.4017E	174	From 2010-06-04
Agia Thekli	AGT1	Greece	38.2505N	20.3840E	82	From 2014-02-11
Agillar	DAGI	Turkey	41.0778N	41.9142E	1188	From 2007-09-25
Agin	AGN	Turkey	38.9483N	38.7154E	914	From 1973-09-20
Agios Charalampos	AXAR	Greece	38.7664N	22.6590E	406	From 2008-04-01
Agios Efstratios	EFSA	Greece	39.5402N	24.9886E	12	From 2010-05-27
Agios Georgios	AGG	Greece	39.0222N	22.3303E	540	From 1989-04-01
AgiosGiorgios, Aigialia, West Greece	AGEO	Greece	38.2649N	22.0635E	-118	From 2000-05-15
Agios Ioannis, Aigialia, West Greece	AIOA	Greece	38.1939N	22.0587E	68	From 2000-05-15
Agios Nikolaos	AGN1	Crete,Greece	35.1879N	25.7155E	9	From 2011-09-01
Agios Nikolaos Laconias	ANS1	Greece	36.4766N	23.1015E	80	From 2012-01-31
Agios Nikonas	DYR	Greece	36.7622N	22.3337E	426	From 2008-07-01
Agira	CAGR	Sicily,Italy	37.6220N	14.4999E	548	From 2010-05-21
Agolada(Pontevedra)	EAGO	Spain	42.8027N	8.0892W	500	From 2010-03-24
Agordo	AGOR	Italy	46.2829N	12.0472E	631	From 2007-06-08
Agoura	AGOC	California,U.S.A.	34.1465N	118.7670W	259	
Agra	AGRA	Uttar Pradesh,India	27.2305N	77.9438E	0	
Agra	AGR	Uttar Pradesh,India	27.1333N	78.0167E	163	
Agrapidokambos, Nafpaktia, West Greece	AGRP	Greece	38.3959N	21.7228E	281	From 2012-06-20
Agrelo	AAGR	Mendoza,Argentina	33.0852S	68.8284W	1159	
Agri	AGRT	Turkey	39.6088N	42.9870E	1440	From 1997-08-26 to 2006-11-21
Agrihan Island	AGRI	Mariana Islands	18.7331N	145.6530E	25	From 1994-04-23
A¯r¯–/Merkez-Kocata¯	KOTA	Turkey	39.8022N	43.2058E	1822	From 2014-12-05
Agrinio	AGR2	Greece	38.6319N	21.4136E	97	From 2012-10-15
Agrinion	AGR3	Greece	38.5893N	21.4162E	100	From 2013-01-31
Agron	ERON	Spain	37.0185N	3.8058W	1304	From 1994-03-01
Agua Clara, Sierra Llorona en Colsn	ACLA	Panama	9.3650N	79.7065W	460	From 2004-10-01
Aguadilla	AGP	Puerto Rico	18.4075N	67.1410W	220	
Aguadilla, PR	AGPR	Puerto Rico	18.4675N	67.1112W	117	From 2004-10-01
Agualva	AGA	Azores,Portugal	38.7845N	27.1732W	80	From 1981-05-16 to 2000-05-17
Agualva, Azores	PAGU	Azores	38.7673N	27.1843W	250	From 2014-11-05
Aguas Belas	AGBLB	Pernambuco,Brazil	9.0387S	37.0454W	448	
Aguascalientes	AGX	Aguascalientes,Mexico	21.8787N	102.3010W		From 1988-01-01
Aguas Calientes	AGUN	Nicaragua	12.6667N	86.8367W	300	
Aguas Claras	ACAL	Costa Rica	10.6340N	85.0350W	767	
Aguni-jima	JAGN	Ryukyu Islands,Japan	26.5888N	127.2422E	12	
Agust^›n Codazzi, Colombia	CODC	Colombia	9.9350N	73.4442W	108	From 2011-07-24
Ahir Dag	KAHT	Turkey	37.6307N	36.8734E	1830	From 2003-11-05
Ahlen	BAHL	Nordrhein-Westfalen,Germany	51.7369N	7.8217E	92	
AHRAM	AHBU	Iran	28.8640N	51.2950E	80	From 2010-06-02
Ahram - Rada'a city Al-Baydha Gov. - Yemen	RADA	Yemen	14.4390N	44.8530E	2353	From 2001-09-22
Ahua	AHA	Hawaii,U.S.A.	19.3733N	155.2650W	1070	From 1958-01-01
Ahuacatlan	ANIG	Nayarit,Mexico	21.0538N	104.5207W	1009	From 2006-09-30
Ahuachapan	AHU	El Salvador	13.9217N	89.8458W	810	
Ahwaz	AHWZ	Iran	31.3300N	48.6438E	19	From 2010-04-27
Aiani, KOZANI	AIA1	Greece	40.1641N	21.8202E	460	From 2013-07-15
Aibetsu	AIB	Kamikawa,Japan	43.9067N	142.6461E	260	
Aicho	AICH	Tanzania,United Republic of Tanzania	3.6863S	35.5375E	992	
Aida	JAD	Okayama,Japan	34.9403N	134.1680E	170	
Aidlin Power Plant 1	AL1	California,U.S.A.	38.8382N	122.8835W	704	
Aidlin Power Plant 2	AL2	California,U.S.A.	38.8160N	122.8980W	657	
Aidlin Power Plant 3	AL3	California,U.S.A.	38.8275N	122.8569W	781	
Aidlin Power Plant 4	AL4	California,U.S.A.	38.8386N	122.8355W	661	
Aidlin Power Plant 6	AL6	California,U.S.A.	38.8000N	122.8613W	749	
Aigio	AIG2	Greece	38.2418N	22.0724E	123	From 2011-10-01
Aigion	AIG1	Greece	38.2096N	22.1408E	61	From 2013-06-06 to 2013-09-15
Aigion	AIG4	Greece	38.2544N	22.0750E	41	From 2013-06-07 to 2013-09-15
Aigion	AIG3	Greece	38.2558N	22.1045E	51	From 2013-06-07 to 2013-09-15
Aigle	AIGLE	Switzerland	46.3416N	6.9534E	800	From 1998-09-01
Aigle Rue de la Gare	SAIG	Switzerland	46.3168N	6.9667E	410	From 2012-02-01
Aigu^¡	OGAUY	Uruguay	34.3333S	54.7122W	257	From 2013-03-22
Aigurande	NE08	Centre,France	46.4200N	1.7300E	360	From 1982-11-01 to 1984-12-31
Aikawa	AIK	Niigata,Japan	38.0217N	138.2433E	35	
Ailbek	ABKT	Turkmenistan	37.9304N	58.1189E	678	
Ainahou	AIN	Hawaii,U.S.A.	19.3720N	155.4580W	1524	From 1973-04-26
'Ain El Ouahch	CAEH	Algeria	36.7800N	6.8500E	383	
'Ain N'Sour	EANR	Algeria	35.9500N	1.1000E	727	
Ain Smara	CASM	Algeria	36.2600N	6.4900E	680	
Ainzon	NE11	Spain	41.8140N	1.5170W	440	From 1983-01-01 to 2001-07-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Aioi	JAI	Tokushima,Japan	33.7923N	134.4515E	165	
Airport Hangar	APH	New York,U.S.A.	43.8413N	74.4970W	564	From 1974-07-01 to 1983-10-31
Airport Road	AARM	California,U.S.A.	39.2762N	121.0250W	930	From 1976-07-20
Aisen	TS1	Chile	45.4585S	72.8232W	42	
Aisen	TS4	Chile	45.3720S	73.1268W	2	
Aisen	TS3	Chile	45.4077S	73.0662W	5	
Aisen	TS2	Chile	45.3748S	73.0350W	35	
Aisen	TS6	Chile	45.3950S	73.0060W	5	
Aisen	TS5	Chile	45.3217S	73.0883W	35	
Aitape	AITP	Papua New Guinea	3.1384S	142.3489E	2	
Ait Ouarda	AIT	Morocco	32.1100N	6.5110W		From 1980-06-01
Aizawl	AZL	Mizoram,India	23.7384N	92.6897E	969	
Aizu	AID	Fukushima,Japan	37.5667N	140.1170E	526	
AIZWAL	AIZW	Mizoram,India	23.7384N	92.6897E	969	From 2011-05-01
Ajaccio	AJAF	Corse,France	41.9833N	8.7302E	210	From 1991-12-03
Ajai Ranch	AJAR	Arizona,U.S.A.	34.8860N	110.5720W	1622	
Ajban	AJN	Abu Dhabi,United Arab Emirates	24.5626N	54.9865E	67	
Ajiro2	AJI	Shizuoka,Japan	35.0450N	139.0918E	59	
Ajlon	AJLJ	Jordan	32.3270N	35.7270E	1175	
Ajmer	AJM	Rajasthan,India	26.4792N	74.6431E	540	
Ajmer	AJMR	Rajasthan,India	26.4791N	74.6432E	540	
Akaike	JFA	Fukuoka,Japan	33.7120N	130.7952E	130	
Akama	AKM	Fukuoka,Japan	33.8122N	130.5972E	60	
Akamas	AKMC	Cyprus	35.0270N	32.3300E	416	From 1998-11-16
Akamas	AKMS	Cyprus	35.0180N	32.3350E	346	From 2013-07-01
Akaroa Harbour	AKCZ	South Island,New Zealand	43.8721S	172.9098E	374	From 2012-03-01
Akbulak array	ABKAR	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB08	Kazakhstan	49.2387N	59.9280E	243	From 2003-10-27
Akbulak array site	AB03	Kazakhstan	49.2511N	59.9431E	243	From 2003-10-27
Akbulak array site	AB31	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB07	Kazakhstan	49.2410N	59.9593E	235	From 2003-10-27
Akbulak array site	AB05	Kazakhstan	49.2736N	59.9431E	244	From 2003-10-27
Akbulak array site	AB01	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB02	Kazakhstan	49.2591N	59.9466E	241	From 2003-10-27
Akbulak array site	AB06	Kazakhstan	49.2611N	59.9693E	237	From 2003-10-27
Akbulak array site	AB09	Kazakhstan	49.2614N	59.9181E	238	From 2003-10-27
Akbulak array site	AB04	Kazakhstan	49.2578N	59.9371E	249	From 2003-10-27
Akcadag	AKCD	Turkey	38.2956N	37.9224E	1376	From 2007-06-05
Akcakoca	AKC	Turkey	40.0244N	31.1808E	150	From 1979-12-01 to 1999-08-25
Akdag	AKDA	Turkey	40.1035N	41.3636E	1883	From 2012-11-08
Akdamar-Van	AKDM	Turkey	38.3285N	42.9800E	1662	From 2012-11-29
Akdeniz- K¯–br¯–s	AKDN	Cyprus	35.2977N	32.9677E	90	From 2008-11-19
Akfadou	AKF	Algeria	36.6333N	4.5667E	1545	
Akhalkalaki	AKH	Georgia,Georgia	41.4100N	43.4928E	1708	From 1950-01-01
Akhelmad	IAKL	Iran	36.6022N	58.7566E	2508	From 1997-03-01
Akhisar	AKS	Turkey	38.8790N	27.8130E	370	
Akhisar	AKHS	Turkey	38.8788N	27.8138E	370	From 2006-07-13
Akhty	AKT	Dagestan,Russia	41.4800N	47.7300E	1200	
Ak¯–nc¯–lar- K¯–br¯–s	AKIN	Cyprus	35.0153N	33.4661E	230	From 2008-11-18
Akirkeby	BSD*	Denmark	55.1139N	14.9147E	88	From 1981-11-03
Akita	AKI	Akita,Japan	39.7183N	140.1017E	10	
Akita	AKI1	Akita,Japan	39.7150N	140.1033E	2	From 1989-11-01
Akita 2	AKIJ	Akita,Japan	39.7350N	140.1417E	65	From 1990-04-25
Akitakoma	KOMT	Akita,Japan	39.7800N	140.7700E	680	
Akkeshi	AKK	Kushiro,Japan	43.0171N	144.8423E	80	From 1976-07-01
Akkeshi	JAK	Abashiri,Japan	42.9962N	144.6965E	20	
Akkus	AKKT	Turkey	40.7844N	37.0136E	1593	From 1992-01-01 to 1994-06-30
Akkuyli	AKUL	Tajikistan	38.4300N	68.5800E		
Akkuyu-Mersin	AKKU	Turkey	36.1587N	33.5508E	144	From 2011-07-01
Akkuyu-Mersin	AKK1	Turkey	36.1435N	33.5405E	4	From 2011-07-01
Akkuyu-Mersin	AKK2	Turkey	36.1373N	33.5486E	1	From 2011-07-01
AKL	AKLM	Morocco	34.5100N	3.8630W	870	
Akola	AKL	Maharashtra,India	20.7028N	77.0153E	310	
Akosombo	AKGH	Ghana	6.2433N	0.0403E	377	From 1987-01-01
Akrata	AKR1	Greece	38.1536N	22.3133E	137	From 2012-09-01
AKSARAY - Altinkaya	AKSY	Turkey	38.6497N	33.7607E	973	From 2011-03-16
AK-SAY(Kyrgyzstan)	ASAI	Kyrgyzstan	40.9178N	76.5210E	3021	From 2009-07-29
Aktash	AKAR	Altayskiy Kray,Russia	50.3200N	87.6200E	1380	
Aktobe	AKB	Kazakhstan	50.2600N	58.1000E		
Aktoprak	AKTT	Turkey	37.4860N	34.4680E	1550	From 1993-01-01
Aktyubinsk	AKTK	Kazakhstan	50.4348N	58.0164E	379	From 1994-10-01 to 2005-07-20
Aktyubinsk	AKTO	Kazakhstan	50.4348N	58.0164E	314	From 2005-07-20
AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	IKZT	Kazakhstan	50.4070N	58.0348E	369	From 2006-05-11
Akulivik	AKVQ	Quebec,Canada	60.8080N	78.1912W	17	From 2006-09-15
Akureyri	AKU	Iceland	65.6867N	18.1067W	24	From 1964-07-31 to 2002-11-30
Akureyri	AKU-	Iceland	65.6717N	18.1000W		
Akutan	AKUT	Alaska,U.S.A.	54.1352N	165.7719W	19	
Akutan	AKA	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 1	AKA1	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 2	AKA2	Alaska,U.S.A.	54.1242N	165.7783W	90	From 1996-08-01 to 2004-01-14
Akutan 4	AKA4	Alaska,U.S.A.	54.1100N	165.7317W	135	From 1996-08-01 to 2004-01-14
Akutan 5	AKA5	Alaska,U.S.A.	54.1552N	165.8650W	225	From 1996-08-01 to 2004-01-14
Akutan Broad B.	AKBBA	Alaska,U.S.A.	54.0984N	165.9318W	310	
Akutan Green Grass	AKGG	Alaska,U.S.A.	54.1988N	165.9916W	326	
Akutan Harbor	AHB	Alaska,U.S.A.	54.1153N	165.8157W	447	
Akutan Long Valley	AKLV	Alaska,U.S.A.	54.1627N	165.9556W	551	
Akutan Morgan	AKMO	Alaska,U.S.A.	54.0912N	166.0106W	277	
Akutan Reef Bight	AKRB	Alaska,U.S.A.	54.1301N	166.0687W	334	
Akutan Spr's Bay	HSB	Alaska,U.S.A.	54.1868N	165.9124W	497	
Akutan Strait	AKSA	Alaska,U.S.A.	54.1358N	165.6967W	213	
Akutan Volcano	AKV	Alaska,U.S.A.	54.1262N	165.9627W	863	
Akutan Zero	ZRO	Alaska,U.S.A.	54.0916N	165.9780W	446	
Akyaka	EAK	Turkey	40.6862N	43.6069E	1613	From 2009-10-01
Akyazi	AKY	Turkey	40.6630N	30.6594E	110	From 1979-01-01 to 1999-08-25
Ala-Archa	AAK	Kyrgyzstan	42.6375N	74.4942E	1633	From 1990-09-01
Alabaster Cavern State Park	ACO	Oklahoma,U.S.A.	36.6986N	99.1461W	521	From 1977-06-22
Alagyaz	ALGS	Armenia	40.6800N	44.2867E	2050	
Alaid	ALID	Kamchatskaya Oblast',Russia	50.8690N	155.5500E	1400	From 2000-04-01
Al Ain	ALNE	United Arab Emirates	24.0561N	55.7509E	342	
Al Amaaer	HIL01	Saudi Arabia	25.8290N	41.9863E	834	
Alamagan	ALMG	Mariana Islands	17.6010N	145.8380E	490	From 1991-01-01
Alamo	ALA	Nevada,U.S.A.	37.2417N	115.1150W		From 1971-01-01 to 1973-04-30
Alamocita Creek, Datil	X21A	New Mexico,U.S.A.	34.4457N	107.7857W	2141	From 2008-02-09 to 2009-12-04
Alamut, Qazvin	QALM	Iran	36.4320N	50.6465E	2211	From 2012-04-20
Aland	AAL	Finland	60.1780N	19.9936E	10	From 2004-04-15
Alanya-ANTALYA	ALAN	Turkey	36.5570N	32.0327E	215	From 2012-10-17
Al Areen	BEE	Bahrain	26.0167N	50.5217E		
Al Aritein	ARTJ	Jordan	32.2467N	36.8283E	1058	From 1987-02-23
Al Arnab	ARNB	Syria	35.8608N	35.9722E	930	From 1995-11-01
Alasht	IALA	Iran	36.0829N	52.8099E	2600	From 2000-08-01
Al Ashush, Dubai	ASUD	United Arab Emirates	24.6260N	55.3292E	132	From 2006-09-19
Alassa	ALAS	Libya	32.8425N	11.6138E	73	
Alaus¯›, Posada N	ALAU	Ecuador	2.2061S	78.8483W	2763	From 2012-07-18
Al 'Ayyat	AYT	Egypt	29.7044N	31.1529E	145	
Al Bad'	BDAS	Saudi Arabia	28.4300N	35.1000E	530	
Al Bad'	BADA	Saudi Arabia	28.5660N	34.9620E	495	From 1986-01-01
Albannette	OG18	Rhone-Alpes,France	45.1932N	6.4290E	1455	From 1990-12-04
Albanya	ALBA	Spain	42.3128N	2.7235E	400	
Al Bayda'	BDHA	Yemen	13.9750N	45.5670E	2000	From 1994-11-01
Albemarle	AE-NC	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Albemarle	AE-	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Alberni	ALB	British Columbia,Canada	49.2717N	124.8300W	25	From 1951-01-01
Albert Glenn Thornton	X60A	North Carolina,U.S.A.	34.5773N	77.9768W	12	From 2013-03-10
Alberton, Johannesburg	ALBD	South Africa	26.2596S	28.1391E	1585	From 2010-03-19
Alberton, Montana	ALMT	Montana,U.S.A.	47.0300N	114.4440W	1696	From 2006-10-20
Al Beshri	BSHR	Syria	35.6685N	39.8185E	852	From 2002-04-01
Albida	BIDA	Syria	35.0138N	36.3212E	930	From 1995-11-01
Alboran	EALB	Spain	35.9399N	3.0343W	20	
Alboran Island OBS	ALBO	Spain	35.9318N	3.0188W	-45	From 2009-10-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Albstadt-Tailfingen-Burg	BURG	Baden-Wurttemberg	48.2723N	9.0221E	976	From 2015-08-01
Al Budayyi	BBU	Bahrain	26.2150N	50.4567E		From 1986-01-01
Albufeira	PALBU	Portugal	37.0958N	8.2484W	11	From 2015-07-18
Albunol	EXAL	Spain	36.7910N	3.2030W	286	
Albuquerque	W22A	New Mexico,U.S.A.	35.0719N	106.8674W	1813	From 2008-01-09 to 2010-02-07
Albuquerque	ABQ	New Mexico,U.S.A.	34.9425N	106.4570W	1849	From 1974-01-01
Albuquerque	ALQ	New Mexico,U.S.A.	34.9425N	106.4575W	1849	
Albuquerque	ANMO	New Mexico,U.S.A.	34.9459N	106.4572W	1820	From 1974-08-01
Alcan	ALC	Alaska,U.S.A.	62.6225N	141.0080W	582	From 1979-09-25
Alcanar	ALCN	Spain	40.5500N	0.4800E	177	From 2009-10-05
Alcedo, Punta Alfaro	ALCE	Galapagos,Ecuador	0.4416S	91.9707W	980	From 2012-10-07
Alcochete	PACT	Portugal	38.7680N	8.8333W	30	
Alcott Elementary School	ALCT	Washington,U.S.A.	47.6475N	122.0370W	55	
Alcoutim	PALC	Portugal	37.4647N	7.4758W	73	
Alcova	K21A	Wyoming,U.S.A.	42.6332N	107.2510W	1960	From 2008-07-16 to 2010-05-15
Aldan	ALDR	Sakha,Russia	58.6100N	125.4094E	682	
Alder Creek	ACK	Alaska,U.S.A.	65.9542N	162.1890W	377	
Alder Peak	PAPM	California,U.S.A.	35.9128N	121.3620W	1015	
Alders End	HAE	England,United Kingdom	52.0376N	2.5475W	224	From 1982-01-01
Alder Springs	GASB	California,U.S.A.	39.6547N	122.7160W	1354	From 2005-09-22
Alder Springs	GAS	California,U.S.A.	39.6548N	122.7150W	1219	From 1985-04-10
Al-Direh	DRHJ	Jordan	29.3580N	34.9620E	10	
Al Duwadimi	DWDS	Saudi Arabia	24.5403N	44.8352E	855	
Alefka	ALFC	Cyprus	35.1560N	32.5990E	520	From 1998-11-16
Alegheny College	ALLY	Pennsylvania,U.S.A.	41.6492N	80.1448W	390	
Alekseevka, NSO, Russia	ALXA	Novosibirskaya Oblast',Russia	54.9300N	82.5800E	125	From 2012-02-10
Alemaya	ALME	Ethiopia	9.4300N	42.0400E	2133	From 1988-01-01
Alert	ALE	Northwest Territories,Canada	82.5033N	62.3500W	65	From 1961-09-29
Alexander Bay	ALX	New York,U.S.A.	44.3225N	75.9279W	122	From 1976-08-01
Alexander City	AX2AL	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander City	AX-	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX-AL	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX2	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander Place, Bentonia	144A	Mississippi,U.S.A.	32.6304N	90.4226W	78	From 2011-03-22 to 2013-02-01
Alexander Ranch	ARDC	California,U.S.A.	35.4632N	120.9783W	91	
Alexander Valley	GAXM	California,U.S.A.	38.7108N	122.7550W	379	From 1973-09-21
Alexandra	AXZ	South Island,New Zealand	45.2656S	169.3313E	260	From 1996-03-07 to 2004-08-31
Alexandria	F34A	Minnesota,U.S.A.	45.7954N	95.2581W	419	From 2010-09-09 to 2012-07-24
Alexandroupolis	ALX2	Greece	40.8455N	25.8738E	35	From 2013-08-20
Alexandroupolis	ALN	Greece	40.8972N	26.0456E	110	From 1989-06-01
Alexandrovskoye	ALER	Stavropol'skiy Kray	44.7631N	42.9136E	510	From 2012-10-13
Alfacar	AFC	Spain	37.2544N	3.5450W	1490	
Alfacar	ALCS	Spain	37.2542N	3.5439W		From 1982-02-01 to 1982-03-01
Al Faqa, Dubai	FAQ	United Arab Emirates	24.7453N	55.5924E	203	From 2006-05-30
Al Fayyum	FYM	Egypt	29.6923N	31.0430E	210	
Alfred	AFO2	Ontario,Canada	45.6308N	74.8540W	53	
Alfred	ALFO	Ontario,Canada	45.6283N	74.8842W	0	From 2009-05-29
Alfred	AFO1	Ontario,Canada	45.6282N	74.8824W	53	
Alfred	ALF	New York,U.S.A.	42.2253N	77.7972W	671	From 1971-01-01 to 1978-09-30
Alftagrof	IALF	Iceland	63.4910N	19.1844W	132	From 2011-01-11
ALG	MOLA	Algeria	34.6300N	0.0100E	1039	
Algarobillo	CHP4	Peru	4.5019S	80.3600W	220	
Algayed	AKWA	Saudi Arabia	17.2610N	42.6990E	120	
Alger-Bouzareah	ABA	Algeria	36.8017N	3.0350E	345	From 1910-01-01
Al Ghardaqah	HHRG	Egypt	27.2193N	33.5691E	400	
Algiers University	ALG	Algeria	36.7717N	3.0583E	59	From 1949-01-01 to 1982-12-31
Algodonales	EXAO	Spain	36.8820N	5.4040W	370	From 2007-09-17
Algonquin Park	ALGO	Ontario,Canada	45.9544N	78.0509W	235	From 2009-04-27
Alhama Almeria	EXAA	Spain	36.9580N	2.5680W	528	
Al Hamad	HANO	Saudi Arabia	31.3890N	38.3310E	778	
Alhama de Murcia	EALH	Spain	37.8581N	1.4197W	294	From 1986-01-01
Alhama Granada	EXAG	Spain	37.0160N	3.9860W	900	
Al Hawiyah	HWYS	Saudi Arabia	21.4349N	40.4177E		
Al Hulayfah	HIL02	Saudi Arabia	26.0597N	40.8979E	979	
Alia	ALJA	Italy	37.7490N	13.7537E	700	From 2008-02-14
Aliabad	ALIA	Iran	36.7000N	54.5000E	0	
Alibeck	GEYT	Turkmenistan	37.9295N	58.1171E	610	From 2009-12-16
ALIBECK ARRAY SITE A0	GYA0	Turkmenistan	37.9295N	58.1171E	593	From 2010-02-07
ALIBECK ARRAY SITE A0B	GYA0B	Turkmenistan	37.9295N	58.1171E	591	From 2010-02-07
ALIBECK ARRAY SITE A1	GYA1	Turkmenistan	37.9232N	58.1173E	606	From 2010-02-07
ALIBECK ARRAY SITE A2	GYA2	Turkmenistan	37.9355N	58.1213E	518	From 2010-02-07
ALIBECK ARRAY SITE A3	GYA3	Turkmenistan	37.9331N	58.1131E	609	From 2010-02-07
ALIBECK ARRAY SITE B1	GYB1	Turkmenistan	37.9205N	58.1259E	626	From 2010-02-07
ALIBECK ARRAY SITE B2	GYB2	Turkmenistan	37.9376N	58.1269E	551	From 2010-02-07
ALIBECK ARRAY SITE B3	GYB3	Turkmenistan	37.9430N	58.1158E	540	From 2010-02-07
ALIBECK ARRAY SITE B4	GYB4	Turkmenistan	37.9332N	58.0980E	584	From 2010-02-07
ALIBECK ARRAY SITE B5	GYB5	Turkmenistan	37.9206N	58.1085E	704	From 2010-02-07
Alicahue	ALH	Aconcagua,Chile	32.3700S	70.7928W	1890	From 1970-08-01
Alicante	EXAI	Spain	38.3550N	0.4870W	35	
Alicante	ALI	Spain	38.3553N	0.4873W	35	
Alice Springs	ASP	Northern Territory,Australia	23.6833S	133.8970E	600	From 1970-12-15 to 1982-02-15
Alice Springs	ASPA	Northern Territory,Australia	23.6669S	133.9010E	555	From 1982-02-17 to 2006-05-29
Alice Springs Array Beam Reference Point	ASAR	Northern Territory,Australia	23.6664S	133.9040E	607	
Alice Springs Array Site 1	AS01	Northern Territory,Australia	23.6647S	133.9510E	605	From 1986-01-01
Alice Springs Array Site 10	AS10	Northern Territory,Australia	23.6969S	133.9140E	607	From 1986-01-01
Alice Springs Array Site 11	AS11	Northern Territory,Australia	23.6783S	133.8980E	608	From 1986-01-01
Alice Springs Array Site 12	AS12	Northern Territory,Australia	23.6664S	133.9040E	607	From 1986-01-01
Alice Springs Array Site 13	AS13	Northern Territory,Australia	23.6519S	133.8940E	604	From 1986-01-01
Alice Springs Array Site 14	AS14	Northern Territory,Australia	23.6517S	133.9100E	620	From 1986-01-01
Alice Springs Array Site 15	AS15	Northern Territory,Australia	23.6356S	133.9120E	669	From 1986-01-01
Alice Springs Array Site 16	AS16	Northern Territory,Australia	23.6369S	133.9300E	676	From 1986-01-01
Alice Springs Array Site 17	AS17	Northern Territory,Australia	23.6644S	133.9920E	615	From 1986-01-01
Alice Springs Array Site 18	AS18	Northern Territory,Australia	23.6900S	133.9810E	592	From 1986-01-01
Alice Springs Array Site 19	AS19	Northern Territory,Australia	23.7044S	133.9630E	577	From 1986-01-01
Alice Springs Array Site 2	AS02	Northern Territory,Australia	23.6792S	133.9370E	619	From 1986-01-01
Alice Springs Array Site 3	AS03	Northern Territory,Australia	23.6744S	133.9200E	643	From 1986-01-01
Alice Springs Array Site 4	AS04	Northern Territory,Australia	23.6597S	133.9290E	666	From 1986-01-01
Alice Springs Array Site 5	AS05	Northern Territory,Australia	23.6492S	133.9470E	683	From 1986-01-01
Alice Springs Array Site 6	AS06	Northern Territory,Australia	23.6475S	133.9710E	663	From 1986-01-01
Alice Springs Array Site 7	AS07	Northern Territory,Australia	23.6656S	133.9700E	614	From 1986-01-01
Alice Springs Array Site 8	AS08	Northern Territory,Australia	23.6814S	133.9600E	594	From 1986-01-01
Alice Springs Array Site 9	AS09	Northern Territory,Australia	23.6994S	133.9410E	591	From 1986-01-01
Alice Springs Site	AS31	Northern Territory,Australia	23.6651S	133.9053E	627	From 2005-06-20
Alicudi	ACL	Sicily,Italy	38.5331N	14.3556E	140	
Alicudi	IACL	Sicily,Italy	38.5338N	14.3565E	181	From 2007-05-10
Aliki, Aigialia, West Greece	ALIK	Greece	38.2605N	22.1114E	-33	From 2000-04-16
Alishan	ALS	Taiwan region	23.5104N	120.8050E	2413	
Al Jahlan	JHLN	Syria	35.6725N	38.4411E	459	From 1995-04-01
Aljezur	PALJ	Portugal	37.3183N	8.7980W	9	From 2015-04-18
Aljibe	ALJ	Spain	36.5299N	5.6494W	427	
Al Jubail	NRYS	Saudi Arabia	27.0801N	49.1601E	26	
Al Khamasin	KAMS	Saudi Arabia	20.3088N	44.5811E	325	
Al Kharijah	AKRG	Egypt	25.5032N	30.4985E	155	
Alki Wastewater Plant ANSS-SMO	ALKI	Washington,U.S.A.	47.5751N	122.4176W	1	From 2004-11-04
Alkurruntz	EALK	Spain	43.2197N	1.5071W	965	From 2003-07-30
All	MALI	Sicily,Italy	38.0530N	15.4000E	1005	From 1993-12-01
Alla	ALL	Buryatiya,Russia	54.7000N	110.7667E		
Alla	ALLA	Buryatiya,Russia	54.7000N	110.7667E		
Allagash	AGM	Maine,U.S.A.	47.0817N	69.0233W	238	From 1975-11-01 to 1999-01-31
Allahabad	ALBI	Uttar Pradesh,India	25.3090N	81.8085E	107	
Allapoint, Allagash	D62A	Maine,U.S.A.	47.0819N	69.0501W	189	From 2013-10-08
Allard Ranch, Norris	J28A	South Dakota,U.S.A.	43.4239N	101.2359W	835	From 2009-06-02 to 2011-05-05
Allegan	ACM	Michigan,U.S.A.	42.6475N	85.8517W	268	
Allendale	XAL	England,United Kingdom	54.8617N	2.2147W	462	From 1983-07-10
Allendale	NADM	California,U.S.A.	38.4599N	121.9704W	38	
Allen Road	ALRZ	North Island,New Zealand	38.5620S	176.3430E	405	From 2007-11-07
Allentown	O61A	New Jersey,U.S.A.	40.0934N	74.5530W	38	From 2013-05-29
Allentown	ATPA	Pennsylvania,U.S.A.	40.5767N	75.5886W	61	
Alliance	AI-NB	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Alliance	AI-	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Al Lith	LITH	Saudi Arabia	20.7161N	40.6161E	100	
Al Lith	LTHS	Saudi Arabia	20.2757N	40.4111E	121	
Allumiere - RM	TO02	Italy	42.1378N	11.8886E	410	From 2008-04-11 to 2009-04-02
Alma-Ata	AAA	Kazakhstan	43.2090N	76.9150E	920	From 1927-08-04
Alma-Ata	AA1	Kazakhstan	43.2717N	76.9467E	800	
Almaden	AMC	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Almaden	JALM	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Al Majmaah	MJMS	Saudi Arabia	26.0470N	45.6577E	668	
Al Majma'ah	MJMA	Saudi Arabia	25.8550N	45.2890E	650	From 1990-03-01
Al Marj	MARJ	Libya	32.5818N	20.8757E	408	
Almaty	KNDC	Kazakhstan	43.2172N	76.9658E	900	From 2005-11-28
Almayashu	AML	Kyrgyzstan	42.1311N	73.6941E	3400	
Al-Mazaregh	MZRK	Syria	35.8266N	40.6525E	373	From 2002-04-01
Almeirim	AMRP	Portugal	39.1583N	8.5750W	160	From 1990-02-01 to 2009-05-30
Almeirim	ALMR	Portugal	39.1555N	8.5768W	165	
Almeria	EXAM	Spain	36.8520N	2.4590W	65	
Almeria	ALM	Spain	36.8525N	2.4598W	65	
ALMNKUR	MNKR	Syria	35.9425N	39.2708E	376	From 2002-04-01
Al Mukalla	MUKL	Yemen	14.4760N	49.0360E	41	
Al Mukha	MUKH	Yemen	13.3150N	43.2653E	0	
Almuwaylih	MWLHS	Saudi Arabia	27.7470N	35.5150E	112	
Almyros	ALM1	Thessaly	39.1808N	22.7605E	20	From 1985-05-06
Al-Naaiem	NAY	Kuwait	29.2489N	47.2421E	218	
Alonissos	ALNA	Greece	39.1477N	23.8667E	51	From 2010-09-08
Alonnisos	AOS	Greece	39.1703N	23.8800E	200	From 1996-07-11
Alotau	ALTO	Papua New Guinea	10.2988S	150.4556E	158	From 2013-05-01
Alotau	ALOT	Papua New Guinea	10.2960S	150.4640E	200	From 1982-11-08 to 1984-02-03
Alotau	ALOA	Papua New Guinea	10.2983S	150.3770E	10	From 1984-02-03
ALPA Array Beam Reference Point	ALAR	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 31	AL31	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 32	AL32	Alaska,U.S.A.	65.1944N	147.3161W		
ALPA Array Site 33	AL33	Alaska,U.S.A.	65.0286N	147.1961W		
ALPA Array Site 35	AL5	Alaska,U.S.A.	64.9447N	147.8595W		From 1993-07-01
ALPA Array Site 36	AL36	Alaska,U.S.A.	65.0978N	148.0014W		
ALPA Array Site 37	AL37	Alaska,U.S.A.	65.2333N	147.7433W		
Alpe Faloria	AFL	Italy	46.5300N	12.1800E	2235	
Alpha Peak	APW	Washington,U.S.A.	46.6517N	122.6470W	457	
Alpine	ALPW	Wyoming,U.S.A.	43.1506N	110.9980W	1792	From 1986-01-01
Alpnach	APL	Switzerland	46.9496N	8.2428E	880	From 1992-12-01 to 2004-08-05
Al Qalibar	QLABS	Saudi Arabia	27.8552N	37.9274E	1113	
Al-Qirein	QRNJ	Jordan	32.3350N	35.5750E	-180	
Al Qrash	TRAS	Saudi Arabia	25.0596N	38.5670E	337	
Alquife, Granada	E015	Spain	37.1743N	3.1115W	1316	From 2007-06-27 to 2009-06-25
Al Qunfudhah	QNF02	Saudi Arabia	19.0586N	41.4871E	121	
Al Qunfudhah	QNFDS	Saudi Arabia	19.7990N	40.9420E	114	
Al Qunfudhah	QNF01	Saudi Arabia	19.3938N	41.2789E	122	
Al-Qurain	QRN	Kuwait	28.7444N	47.9177E	135	
Al Qurrayyat	QREAT	Saudi Arabia	31.5000N	37.5670E	650	
Al-Radifah	RDF	Kuwait	28.9259N	47.5497E	180	
Al Salmeh	SLMH	Syria	36.2139N	37.9278E	510	From 1995-04-01
Al Shahba	SHBJ	Jordan	32.3025N	37.8280E	960	From 1987-10-24
Al Sharaya	SHRA	Saudi Arabia	21.4789N	39.9681E	413	From 1995-01-01
Al Sooda	SODA	Saudi Arabia	18.2900N	42.3740E	2600	From 1989-06-06
Alsterbro	ATR	Sweden	56.9950N	15.9180E	119	From 1980-01-01
Alston	ALST	Oregon,U.S.A.	46.1090N	123.0329W	198	
Alta	AAU	Utah,U.S.A.	40.5919N	111.6380W	2694	From 1974-11-01 to 1976-04-30
Altamira	ATB	Para,Brazil	3.2878S	52.2250W		
Altamura	AMUR	Italy	40.9071N	16.6041E	443	From 2005-08-03
Alta Sierra Campground	WASM	California,U.S.A.	35.7382N	118.5570W	1871	
Alta Urco	ALTA	Ecuador	2.4737S	78.9893W	2700	From 1996-03-05
Altdorf, Kantonsspital	SALTS	Switzerland	46.8821N	8.6383E	450	From 2012-10-01
Alteburg	ABH	Rheinland-Pfalz,Germany	49.8817N	7.5475E	618	From 1993-01-01
Alter Ridge	ALD	Washington,U.S.A.	45.8194N	120.0670W	427	From 1975-11-01
Altiaghaj	ATGJ	Azerbaijan	40.8610N	48.9380E	1133	From 2009-09-07
Altintas	ALT	Turkey	39.0552N	30.1103E	1060	From 1973-06-27
Altinyayla-SIVAS	CUALT	Turkey	39.2734N	36.7526E	1482	From 2010-07-06 to 2015-05-24
Altmuhljura-Amtmannsdorf	ALTM	Bayern,Germany	48.9950N	11.5200E	430	From 2003-01-01
Alto Anchicaya	ANCC	Colombia	3.5153N	76.8667W	540	
Alto Bandera	DR10	Dominican Republic	18.8082N	70.6878W	2470	
Alto Boquete	APOP	Panama	8.7200N	82.5330W	1429	
Alto Masis	AMAS	Costa Rica	10.6115N	84.9930W	979	From 2000-01-01
Altona	ATO	Oklahoma,U.S.A.	35.7922N	98.1195W	364	From 1982-11-11
Altoona	AS-PA	Pennsylvania,U.S.A.	40.7331N	78.5239W	469	
Altos	ACH	Panama	8.6635N	79.9292W	900	
Alturitas	ALTV	Venezuela	9.7516N	72.4178W		
Altzomoni	IIA	Mexico D.F.,Mexico	19.1495N	98.6583W		
Al 'Udayn	UDYN	Yemen	13.9670N	43.9670E	1370	From 1994-11-01
Al Uja	UJAP	Palestine Territories	31.9520N	35.4644E	-192	From 2012-06-13
Alum Ck. St. Park	ACOH	Ohio,U.S.A.	40.2318N	82.9833W		
Alum Creek State Park	ACSO	Ohio,U.S.A.	40.2319N	82.9820W	288	From 2000-05-14
Alushta	ALU	Ukraine	44.6820N	34.4030E	61	
Al'Uyaynah	AYN	Saudi Arabia	28.8660N	36.0010E	770	From 1986-01-01
Alvares	PCAL	Portugal	40.0309N	8.0718W	454	From 2010-01-01
Alvey	ALVY	Oregon,U.S.A.	43.9981N	123.0158W	155	
Alvord Mountain	ALV	California,U.S.A.	35.0617N	116.6289W	640	
Al Wahab	WHAB	Syria	35.9171N	37.5520E	630	From 1995-04-01
Al Wajh	EWJHS	Saudi Arabia	26.1572N	36.6550E	104	
Al Wajh	WAJH	Saudi Arabia	26.1760N	36.5600E	75	From 1988-06-20
Alzada	G24A	Montana,U.S.A.	45.3280N	104.4163W	1147	From 2008-11-25 to 2010-08-15
Al Zarqa	HSUJ	Jordan	32.1050N	36.1930E	613	From 2010-01-01
Amaminishikomi	JAMN	Ryukyu Islands,Japan	28.2430N	129.1750E	10	From 2009-03-01
Amami Oshima	JAM	Ryukyu Islands,Japan	28.4113N	129.6052E	15	
Amanu	AMN	Tuamotu,French Polynesia	17.8506S	140.8590W	2	From 1976-01-01
Amara	AMRR	Romania	44.6103N	27.3354E	67	
Amargosa	AMDNV	Nevada,U.S.A.	36.4526N	116.2809W	0	
Amargosa	AMR	California,U.S.A.	36.3975N	116.4745W	725	From 1978-07-24 to 2002-12-10
Amarillo	AZ-TX	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	W29A	Texas,U.S.A.	35.1212N	101.6476W	1072	From 2009-01-21 to 2010-11-14
Amarillo	AZ-	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	AMTX	Texas,U.S.A.	34.8837N	101.6808W	1010	From 2004-09-30
Amasra-Bartin	MASR	Turkey	41.7599N	32.4691E	330	From 2011-02-22
Amasugawa 1	AM1	Shiga,Japan	35.4444N	135.9186E	250	
Amasugawa 2	AM2	Shiga,Japan	35.4441N	135.9215E	180	
Amasya-Merkez	AMSY	Turkey	40.6370N	35.8347E	950	From 2013-05-30
Amatignak Island	AMA	Alaska,U.S.A.	51.2884N	179.1090W	503	From 1970-10-09 to 1973-04-30
Amatzia	AMZI	Israel	31.4590N	34.9125E	151	
Amatzia	AMAZ	Israel	31.5325N	34.9154E	396	From 2005-12-05
Ambar	AMP	Pakistan	34.0550N	72.4150E	361	From 1973-08-23 to 2009-09-20
Ambar	AMB1	Pakistan	34.0540N	72.4150E	320	From 2009-09-20
Ambato 1 (Municipio)	AAM1	Ecuador	1.2419S	78.6297W	2836	From 2011-12-17
Ambato 2 (Mercado Am˜'rica)	AAM2	Ecuador	1.2691S	78.6109W	2664	From 2011-03-12
Ambatonomby	OBY	Madagascar	19.3680S	47.4570E	1625	
Amberd	AMBZ	Armenia	40.3880N	44.2590E	2200	
Amberley	AMCZ	South Island,New Zealand	43.1765S	172.6515E	179	From 2012-02-25
Amberson	O57A	Pennsylvania,U.S.A.	40.2104N	77.6354W	377	From 2013-05-22
Ambohiby	ATG	Madagascar	18.8790S	46.1880E	1520	From 1994-06-16
Ambohidratompo	OPO	Madagascar	18.5706S	47.1879E	1463	From 1978-11-17
Ambohimiarambe	ABM	Madagascar	19.7810S	47.3650E	1843	From 1982-03-23
Ambohimpanom	ABPO	Madagascar	19.0174S	47.2275E	1528	
Ambon	AAI	Ambon,Indonesia	3.6870S	128.1945E	80	From 1975-01-01
Ambon	AMO	Ambon,Indonesia	3.7000S	128.1670E		
Amboy	AB-WV	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	AB-	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	F04A	Washington,U.S.A.	45.9325N	122.4193W	211	From 2005-10-25 to 2008-10-27
Ambr˜‡zfalva	AMBH	Hungary	46.3501N	20.7258E	95	From 2013-03-07
Ambulong	AMB	Luzon,Philippines	14.0833N	121.0500E	10	From 1910-01-01 to 1999-08-25
Amchitka	AMC*	Alaska,U.S.A.	51.4097N	179.2922E	0	From 1965-01-01 to 1966-01-01
Amchitka	AEB	Alaska,U.S.A.	51.3604N	179.2470E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Amchitka	AC-IS	Alaska,U.S.A.	51.3894N	179.3425E	61	
Amchitka	ANB	Alaska,U.S.A.	51.6062N	178.7920E		From 1970-10-14 to 1971-04-30
Amchitka	AMKA	Alaska,U.S.A.	51.3783N	179.3019E	115	
Amchitka	AND	Alaska,U.S.A.	51.5623N	178.9530E	186	From 1970-07-18 to 1973-04-30
Amchitka	ANA	Alaska,U.S.A.	51.6277N	178.6560E		From 1969-08-25 to 1973-04-30
Amchitka	ASB	Alaska,U.S.A.	51.3604N	179.2470E		From 1969-05-25 to 1973-04-30
Amchitka	ASC	Alaska,U.S.A.	51.4631N	179.1580E		From 1969-07-28 to 1972-12-11
Amchitka	ASD	Alaska,U.S.A.	51.3907N	179.3420E		From 1969-05-29 to 1973-04-30
Amchitka	AWA	Alaska,U.S.A.	51.3746N	179.2530E		
Amchitka Central A	ACA	Alaska,U.S.A.	51.4809N	179.1190E	42	From 1971-05-08 to 1972-12-11
Amchitka Central B	ACB	Alaska,U.S.A.	51.4626N	179.0910E	47	From 1971-05-08 to 1972-06-30
Amchitka Central C	ACC	Alaska,U.S.A.	51.4843N	179.0430E	26	From 1971-05-08 to 1972-06-30
Amchitka Central D	ACD	Alaska,U.S.A.	51.4282N	179.1370E	37	From 1971-05-08 to 1972-06-30
Amchitka Central E	ACE	Alaska,U.S.A.	51.4005N	179.1730E	9	From 1971-05-08 to 1972-06-30
Amchitka Central F	ACF	Alaska,U.S.A.	51.5258N	178.9940E	62	From 1971-05-08 to 1972-06-30
Amchitka East	AME	Alaska,U.S.A.	51.3867N	179.2550E		
Amderma	AMDE	Arkhangel'skaya Oblast',Russia	69.7607N	61.6782E	48	From 2010-11-28
Amderma	AMD	Arkhangel'skaya Oblast',Russia	69.7667N	61.6833E		
AMECAMECA	AMVM	Mexico	19.1318N	98.7858W	2458	From 2009-08-18
Amedichi	ACHS	Sakha,Russia	57.0300N	122.8500E	930	From 1989-05-01 to 1989-08-31
Amelia	AMI	Italy	42.5851N	12.4286E		
Amelia	AM9	Italy	42.5851N	12.4286E		From 1980-06-01 to 1980-07-01
American Fork	AMF	Utah,U.S.A.	40.4020N	111.7880W	1445	
Americas 2	WILN	Nicaragua	12.1607N	86.1875W	20	
Americus	AMG	Georgia,U.S.A.	32.0594N	84.2177W	106	From 1973-09-01
Americus	253A	Georgia,U.S.A.	32.0612N	84.1294W	136	From 2012-03-10
Amfilochia	AML1	Greece	38.8617N	21.1657E	100	From 1981-12-15
AMGES	AMGES	Saudi Arabia	18.4649N	41.5363E	133	
Amite	445A	Louisiana,U.S.A.	30.7303N	90.3380W	51	From 2011-03-10 to 2012-12-08
Ammassalik, Greenland	ANGG	Greenland	65.6160N	37.6370W	0	From 2000-02-03
Amo	AMJ	Gifu,Japan	36.2494N	137.0280E	620	From 1975-08-05
Amorgos	AMOR	Greece	36.9898N	25.9863E	240	
Amorgos Island	AMGA	Greece	36.8316N	25.8938E	343	From 2012-05-31
Amos	AMS	California,U.S.A.	33.1413N	115.2540W	140	From 1973-04-16 to 2008-02-22
Ampana	APSI	Sulawesi,Indonesia	0.9108S	121.6487E	0	From 2007-12-01
Amsterdam Island	AIS	Amsterdam Island,France	37.7966S	77.5694E	36	
Anacapa Island	AIC	California,U.S.A.	34.0133N	119.4370W	113	From 1973-02-23
Anaconda	AMM	Montana,U.S.A.	46.0942N	112.9510W	2051	
Anadia - AL	NBAN	Alagoas,Brazil	9.6686S	36.2746W	260	From 2011-08-31
Anadyr'	ANDR	Magadanskaya Oblast',Russia	64.7340N	177.4950E	55	
Anadyr, Chukotka	ANSS	Magadanskaya Oblast',Russia	64.7830N	177.5830E	20	From 1980-11-10 to 1993-01-01
Anadyr, Chukotka	ANDR2	Magadanskaya Oblast',Russia	64.7186N	177.7404E	55	From 2005-12-26
Anafi Island	ANAF	Greece	36.3567N	25.7726E	335	From 2012-03-07
Anaheim Lake	ALRB	British Columbia,Canada	52.5103N	125.0844W	1237	From 2006-08-30
Anamosa	L40A	Iowa,U.S.A.	42.0628N	91.2218W	242	From 2011-06-20 to 2013-11-27
Anan'yevo	ANVS	Kyrgyzstan	42.7830N	77.6670E	1860	
Anapa	ANN	Krasnodarskiy Kray,Russia	44.8000N	37.4330E	35	
Anarak	ANAR	Iran	33.1897N	53.7288E	1322	From 2011-04-01
Anatahan	ANA2	Mariana Islands	16.3412N	145.7115E	314	
Anatahan	ANAT	Mariana Islands	16.3530N	145.6560E	510	
Anatahan S. Rim	AFOK	Mariana Islands	16.3416N	145.6746E	418	
Ana Tenorio	PIAT	Ecuador	0.9971S	78.2616W	3021	From 2012-06-15
Anchorage	ANI*	Alaska,U.S.A.	61.2417N	149.8270W		From 1964-03-30 to 1964-06-27
Anchorage	AMU	Alaska,U.S.A.	61.1917N	149.8050W	53	From 1965-02-01 to 1975-12-05
Anchorage	ANH	Alaska,U.S.A.	61.2417N	149.8267W	30	From 1964-03-30 to 1964-06-27
Anchorite	ANCR	Nevada,U.S.A.	38.1732N	118.7537W	2250	
Ancon	PP10	Peru	11.7723S	77.1432W	56	
Ancona	ANS	Italy	43.5522N	13.4622E	295	From 1973-01-01
Ancona	AOI	Italy	43.5500N	13.6020E	530	
Andalgala	ANL	Catamarca,Argentina	27.6167S	66.3167W		
Andarivi	COLL	Bolivia	16.9221S	68.3147W	4329	From 1994-05-30 to 1995-01-14
Anderson	ANTN	Tennessee,U.S.A.	36.1717N	85.2313W	612	
Anderson Farm, Haxtun	N27A	Colorado,U.S.A.	40.8063N	102.5367W	1228	From 2008-12-04 to 2010-10-12
Anderson Peak	BAPM	California,U.S.A.	36.1758N	121.6430W	1219	
Anderson Ranch, Garber	U34A	Oklahoma,U.S.A.	36.4365N	97.5354W	345	From 2009-10-23 to 2011-09-02
Anderson Ranch, Keeline	K24A	Wyoming,U.S.A.	42.7225N	104.8152W	1593	From 2008-10-24 to 2010-09-10
Anderson Res.	CADM	California,U.S.A.	37.1638N	121.6258W		From 1967-08-25
Anderson Reservoir	ADR	California,U.S.A.	37.1638N	121.6258W	207	From 1967-08-25
Andimeshk	IAND	Iran	32.4250N	48.3556E	0	From 1998-01-01
Andirin	ANDN	Turkey	37.5800N	36.3452E	1142	From 2006-11-06
Andizhan	ANR	Uzbekistan	40.7550N	72.3600E	494	
Andong	KSADO	Republic of Korea	36.4121N	128.9488E	0	From 2007-12-26
Andong	KSAND	Republic of Korea	36.5687N	128.7057E	139	From 1999-04-16
Andorre	PAND	Andorra	42.5225N	1.5467E	1857	From 1991-10-25
Andretta	AND3	Italy	40.9298N	15.3331E	905	
Andrews Acres Farm, Gillet	L57A	Pennsylvania,U.S.A.	42.0005N	76.8492W	546	From 2013-08-29
Anegada	ABV	Virgin Islands	18.7298N	64.3320W	35	From 2004-06-01
Anegada Island	ABVI	Puerto Rico	18.7297N	64.3325W	8	
Anensky vrch	ANAC	Czech Republic	50.0745N	17.3790E	851	From 2001-02-01
Angavokely	AVY	Madagascar	18.9279S	47.7376E	1807	From 1973-01-01
Angela	AN-MA	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angela	AN-	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angel Island	CAIM	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	AGC	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	LT13	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel's Peak	APK	Nevada,U.S.A.	36.3194N	115.5740W	2680	From 1975-06-15 to 1983-09-06
Angels Peak	APKW	Nevada,U.S.A.	36.3198N	115.5868W	2580	From 1983-09-06 to 2002-10-10
Angle Creek	ANCK	Alaska,U.S.A.	58.1988N	155.4940W	869	From 1996-08-01
Angle Creek Headwaters	ACHA	Alaska,U.S.A.	58.2107N	155.3260W	960	From 1996-08-01
Angle Mountain	ANGW	Wyoming,U.S.A.	43.8318N	110.1900W	2743	From 1990-09-01
Angol	AGCH	Maule,Chile	37.8093S	72.6964W	81	From 2005-12-20
Angol	ANGC	Malleco,Chile	37.7833S	72.7083W	70	From 1988-01-01
Angono	ARP	Luzon,Philippines	14.5380N	121.1530E	85	
Angora Road	ANWZ	North Island,New Zealand	40.4597S	176.4751E	132	From 2008-08-07
Angostura	ANGV	Venezuela	9.7050N	69.5217W	680	From 1984-01-01 to 1999-08-25
Angra dos Reis-Rio de Janeiro-Brazil	ESAR	Rio de Janeiro,Brazil	23.0207S	44.4403W	5	From 2006-09-03
Angra dos Reis-RJ	MAN01	Rio de Janeiro,Brazil	22.8652S	43.9641W	617	From 2011-01-30
Angra Heroismo	ADH	Azores,Portugal	38.6550N	27.2350W	83	
Angra Heroismo	ADH0	Azores,Portugal	38.6633N	27.2066W	100	From 1988-12-12 to 2000-05-17
Angren	ANE	Uzbekistan	41.0100N	70.2600E	951	
Angureal	ANGU	Ecuador	0.0468N	78.0083W	4680	From 2005-09-20
Aniakchak	ANKA	Alaska,U.S.A.	56.9058N	158.2290W	863	From 1994-08-01
Aniakchak	ANI	Alaska,U.S.A.	57.0417N	158.0400W	0	
Aniakchak	ANON	Alaska,U.S.A.	56.9198N	158.1716W	445	
Aniakchak	AZAC	Alaska,U.S.A.	56.8954N	158.2307W	1057	
Aniakchak Crater	ANIA	Alaska,U.S.A.	56.9056N	158.2293W	930	
Aniakchak Jack	AJAX	Alaska,U.S.A.	56.8895N	158.2215W	967	
Aniakchak Northeast	ANNE	Alaska,U.S.A.	56.9127N	158.0589W	705	
Aniakchak Northwest	ANNW	Alaska,U.S.A.	56.9664N	158.2149W	816	
Aniakchak Peak	ANPK	Alaska,U.S.A.	56.8418N	158.1261W	972	
Aniakchak Plenty Bear	ANPB	Alaska,U.S.A.	56.8024N	158.2808W	658	
Anillaco	AANI	La Rioja,Argentina	28.8123S	66.9375W	1400	
Anini-y	AAP	Panay,Philippines	10.4200N	121.9440E	50	
Anjarah	ANJJ	Jordan	32.3010N	35.7710E	1075	
Anjero-Sudjensk, Russia	ASR1	Kemerovskaya Oblast',Russia	56.0680N	85.9910E	262	From 2011-02-22
Anjilo	IANJ	Iran	35.4672N	53.9144E	2135	From 1999-05-01
Ankara	DAD	Turkey	39.9082N	32.7536E	875	From 2007-12-27 to 2012-12-02
Ankara	ANK	Turkey	39.9167N	32.8167E		
Ankara	ANTO	Turkey	39.8689N	32.7936E	883	From 1978-08-01
Anmore	ANMB	British Columbia,Canada	49.3187N	122.8585W	179	
Anmyeondo	KSANM	Republic of Korea	36.5000N	126.3000E	47	From 2002-11-07
Anna	AN1	Ohio,U.S.A.	40.4792N	84.1308W	323	From 1976-01-15 to 1999-08-25
Anna	AN12	Ohio,U.S.A.	40.9214N	84.1822W	226	
Anna	AN10	Ohio,U.S.A.	40.4728N	84.4700W	297	
Anna	AN8	Ohio,U.S.A.	40.2444N	84.2864W	302	
Anna	AN11	Ohio,U.S.A.	40.5639N	84.6803W	267	
Anna	AN3	Ohio,U.S.A.	40.5486N	83.8122W	326	
Anna	AN4	Ohio,U.S.A.	40.2219N	83.8978W	346	
Anna	AN7	Ohio,U.S.A.	40.8233N	83.8600W	281	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Anna	AN9	Ohio,U.S.A.	40.7111N	84.4969W	255	
Ann Arbor	AAM	Michigan,U.S.A.	42.3012N	83.6567W	172	From 1940-01-01
An Nimas	NAMS	Saudi Arabia	19.1702N	42.2021E	2328	
Anninata	KFL	Greece	38.1096N	20.7880E	264	From 2006-09-30
AnnSam, Waubun	D33A	Minnesota,U.S.A.	47.1404N	95.8448W	466	From 2010-08-28 to 2012-06-22
Annsville	ANNS	New York,U.S.A.	41.3140N	73.9132W	42	
Ano Chora	ANX	Greece	38.5933N	21.9209E	1019	From 2010-11-25
Anoyia	IDI	Crete,Greece	35.2880N	24.8900E	750	
Anpu	ANP	Taiwan region	25.1865N	121.5200E	826	From 1963-03-14
Anshas	MANS	Egypt	30.9560N	31.5180E	45	
Anshas	AANS	Egypt	30.2909N	31.3998E	30	
Anshuo	EAST	Taiwan region	22.3830N	120.8480E	445	
Antalya	ANTB	Turkey	36.8998N	30.6538E	20	From 2004-03-12
Antalya-Kepez	KEPZ	Turkey	36.9015N	31.6039E	615	From 2010-11-12
Antalya-Kumluca	AKUM	Turkey	36.3226N	30.3430E	69	From 2013-02-23
ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	I35MG	Madagascar	19.0109S	47.3050E	1385	From 2001-10-15
Antelope	ALPC	California,U.S.A.	34.6871N	118.2995W	753	
Antelope Grade	PAGM	California,U.S.A.	35.7325N	120.2504W	436	
Antelope Grade	PAGB	California,U.S.A.	35.7307N	120.2499W	480	
Antelope Island	ANU	Utah,U.S.A.	41.0397N	112.2320W	1353	From 1975-11-01 to 1991-08-27
Antelope Mountain	LAMM	California,U.S.A.	41.6098N	122.6256W	1769	
Antelope Range	ARUT	Utah,U.S.A.	37.7880N	113.4400W	1646	From 1980-12-01
Antelope Range	ANTCA	California,U.S.A.	37.9177N	118.5650W	2040	
Antelope Ridge	ANTR	New Mexico,U.S.A.	32.2637N	103.4110W	1056	From 1991-01-01
Antelope Valley	BAVM	California,U.S.A.	36.6459N	121.0301W	572	From 1975-07-02
Antenna a Mare	ME06	Italy	38.1595N	15.4647E	1134	From 2007-11-15 to 2008-04-15
Antennamare	ATN	Sicily,Italy	38.1595N	15.4647E	1130	
Antibes	ANTF	Provence-Cote d'Azur,France	43.5640N	7.1230E	54	From 2003-01-06
Anticline Ridge	PARM	California,U.S.A.	36.2492N	120.3420W	485	From 1975-09-05
Antigo	G41A	Wisconsin,U.S.A.	45.2118N	89.1816W	464	From 2011-08-20 to 2013-06-13
Antigua	ANG	Antigua,Antigua and Barbuda	17.1550N	61.8300W	27	From 1966-04-20
Antigua	AWI	Antigua,Antigua and Barbuda	17.1430N	61.8350W	23	From 1955-06-24 to 1963-10-06
Antigua, Disaster Office	ANDO	Antigua	17.1119N	61.8299W	55	From 2015-05-22
Antigua Open Campus	ANOC	Antigua	17.1184N	61.8319W	57	From 2015-05-20
Antikythira Island	ANKY	Greece	35.8670N	23.3012E	143	From 2008-07-23
Antillo	AIO	Sicily,Italy	37.9712N	15.2330E	751	
Antioch	CACM	California,U.S.A.	36.9762N	121.7600W	74	From 1973-10-26
Antioch Church	ACTN	Tennessee,U.S.A.	36.3470N	89.3100W	143	
Antisana	ANTI	Ecuador	0.4492S	78.1612W	4510	From 1991-08-09
Antisana-Cuyuja	ANTC	Ecuador	0.0265S	78.4104W	2481	From 2012-07-12
Antisana-Guamanˆ›	ANTG	Ecuador	0.5031S	78.2546W	4210	From 2011-10-14
Antisana-La Mica	ANTM	Ecuador	0.5362S	78.2228W	4128	From 2011-11-24
Antisana-Sarahuasi	ANTS	Ecuador	0.4973S	78.1704W	4580	From 2011-11-25
Antlers	AL-OK	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antlers	AL-	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antofagasta	ANCH	Antofagasta,Chile	23.6803S	70.4085W	30	
Antofagasta	ANT	Antofagasta,Chile	23.7050S	70.4153W	80	From 1962-12-28
Antrodoco	LANT	Italy	42.4163N	13.0814E	484	From 2001-05-05
Antumapu	ANTU	Santiago,Chile	33.5691S	70.6335W	640	
Anvil Mountain	ANV	Alaska,U.S.A.	64.5655N	165.3720W	330	From 1976-08-01
Anzar Reservoir 9	AN9*	California,U.S.A.	37.0140N	122.0362W	129	
Anzar Road	HAZM	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Anzar Road	ANZ	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Aoalbol	IADA	Iceland	65.0190N	15.5750W	443	From 1998-09-19
Aobayama	AOB	Miyagi,Japan	38.2483N	140.8470E	87	From 1967-04-01
Aogashimamukaizawa	JAOM	Tokyo,Japan	32.4637N	139.7638E	336	From 2012-07-01
Aomori	AOM	Aomori,Japan	40.8167N	140.7833E	5	
Aomori	AOM1	Aomori,Japan	40.8200N	140.7733E	3	From 1989-12-01
Aomori 2	AOMJ	Aomori,Japan	40.5600N	140.3730E	8	From 1978-01-01
Aomori 3	AOM3	Aomori,Japan	40.7767N	140.8170E	150	From 1990-04-21
Aomorihigashidori	JAHD	Aomori,Japan	41.2653N	141.3373E	50	From 2012-07-01
Aomorirokkasho	JARK	Aomori,Japan	41.0073N	141.3663E	54	From 2012-07-01
Aou	AOU	Kochi,Japan	33.7923N	133.7710E	470	From 1972-04-01
Aouinet Torkoz	ANTZ	Morocco	28.4747N	9.8547W	300	From 1991-12-18
Aoulouz	ALZ	Morocco	30.6960N	8.1410W	800	
Ao Xicun	ZPLA	Taiwan region	23.9300N	117.7500E	0	From 2011-07-22
Apacha	APC	Kamchatskaya Oblast',Russia	52.9250N	157.1581E	100	
Apache	AP-	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache	AP-OK	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache Junction	GVA	Arizona,U.S.A.	33.4214N	111.5748W	506	From 1994-01-05
Apakhonchich	APN	Kamchatskaya Oblast',Russia	56.0000N	160.8300E	700	
Apatity	APZ9	Murmanskaya Oblast',Russia	67.5690N	33.4051E	200	
Apatity	APA	Murmanskaya Oblast',Russia	67.5690N	33.4051E	182	
Apatity Array Beam Reference Point	APAES	Murmanskaya Oblast',Russia	67.6061N	32.9931E	200	
Apatity Array Site A0	APA0	Murmanskaya Oblast',Russia	67.6061N	32.9923E	200	From 1992-09-01
Apatity Array Site A1	APA1	Murmanskaya Oblast',Russia	67.6079N	32.9928E	200	
Apatity Array Site A2	APA2	Murmanskaya Oblast',Russia	67.6054N	32.9965E	200	
Apatity Array Site A3	APA3	Murmanskaya Oblast',Russia	67.6057N	32.9878E	200	
Apatity Array Site B1	APB1	Murmanskaya Oblast',Russia	67.6068N	33.0037E	200	
Apatity Array Site B2	APB2	Murmanskaya Oblast',Russia	67.6024N	32.9979E	200	
Apatity Array Site B3	APB3	Murmanskaya Oblast',Russia	67.6029N	32.9847E	200	
Apatity Array Site B4	APB4	Murmanskaya Oblast',Russia	67.6079N	32.9816E	200	
Apatity Array Site B5	APB5	Murmanskaya Oblast',Russia	67.6106N	32.9934E	200	
Apecchio	APEC	Italy	43.5585N	12.4199E	488	From 2014-02-06
Apeiranthos	APE	Greece	37.0689N	25.5306E	620	From 1975-11-01
Aper	APER	Greece	35.5504N	27.1741E	250	
Apex site 3 Nunavut	AP3N	Northwest Territories,Canada	69.4586N	84.4616W	437	From 2005-08-17
Apia	API	Samoa Islands	13.8072S	171.7750W	2	From 1902-01-01
Apoyeque	APYN	Nicaragua	12.2338N	86.3500W	300	
Apoyeque	APY	Nicaragua	12.2277N	86.3528W	260	From 1975-01-01
Apoyo	APON	Nicaragua	11.9167N	86.0667W	600	
Appelbo	APP	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Appiano	APPI	Italy	46.4787N	11.2281E	1056	From 2003-11-12
Appleton	J54A	New York,U.S.A.	43.2728N	78.6392W	112	From 2012-12-11
Apres Vouz Peak	AVOW	Wyoming,U.S.A.	43.6111N	110.8140W	2036	From 1986-01-01
Aqaba	AQBJ	Jordan	29.7280N	35.0500E	170	From 1989-10-23
Aqua Casa	AQ6*	Sicily,Italy	38.4856N	14.9317E		From 1966-04-01 to 1966-05-01
Aqua Vermelha	AGVB	Minas Gerais,Brazil	19.7394S	50.2331W	393	From 1993-03-01
Aquidauana	AQDB	Mato Grosso,Brazil	20.4758S	55.6997W	158	From 2003-07-01
Aquila	MMIG	Michoacan,Mexico	18.2885N	103.3455W	64	From 2006-07-08
Aracena	ARAC	Spain	37.8923N	6.5647W	675	
Aradan	ARDR	Altayskiy Kray,Russia	52.5800N	93.4300E	950	
Arado	A492	Costa Rica	10.2138N	85.5963W	0	From 2000-01-01
Araguaiana, MT - Brazil	ARAG	Mato Grosso,Brazil	15.7060S	51.8121W	237	From 2013-09-30
Arahi	RAHZ	North Island,New Zealand	38.9162S	177.0860E	472	From 2008-05-14
Arakani	ARKR	Dagestan,Russia	42.6028N	46.9944E	750	
Arakawa	K06	Iwate,Japan	39.4181N	141.5464E	363	
Araks	AKSZ	Armenia	40.1910N	43.8850E	1160	
Aral	ARLS	Kyrgyzstan	41.8610N	74.3230E	1640	
Aranda	RNDA	Australian Capital Territory,Australia	35.2580S	149.0820E	666	From 2007-01-01
Arangoiti	YARA	Spain	42.6477N	1.1902W	1303	From 2009-12-11
Aranguren	EARA	Spain	42.7727N	1.5797W	476	From 2005-07-07
Arapaho	V32A	Oklahoma,U.S.A.	35.7202N	99.0437W	533	From 2009-10-29 to 2011-09-01
Arapgir-MALATYA	ARPR	Turkey	39.0929N	38.3356E	1522	From 2013-09-06
Arapuni	ARA	North Island,New Zealand	38.0715S	175.6435E	65	From 1930-07-01 to 1972-10-31
Araqi	ARQ	Oman	23.3366N	56.5219E	400	From 2001-07-01
Arar	NARAR	Saudi Arabia	31.1180N	40.7540E	683	
Arar	SARAR	Saudi Arabia	30.3780N	41.9350E	451	
Ararat	ARRZ	Armenia	39.8540N	44.6970E	850	
'Arava Valley	ARVI	Israel	30.6400N	35.1870E		
Araxos	AXS	Greece	38.1962N	21.3763E	97	From 2009-05-27
ARAXOS	ARX	Greece	38.1897N	21.4135E	196	From 2006-01-06
Arbavere	ARBE	Estonia	59.4365N	25.9841E	71	From 2011-01-20
Arbois	ARBF	Provence-Cote d'Azur,France	43.4917N	5.3325E	185	From 1998-11-01
Arbon	K15A	Idaho,U.S.A.	42.6852N	112.5305W	1566	From 2007-07-24 to 2009-05-07
Arbon, Evangelische Kirche, TG	SARE	Switzerland	47.5149N	9.4303E	413	From 2014-12-19
Arbuckle	GARM	California,U.S.A.	38.9552N	122.2520W	268	
Arcadia	058A	Florida,U.S.A.	27.0569N	81.8049W	15	From 2012-03-11
Arcadia Dam	ADOK	Oklahoma,U.S.A.	35.6521N	97.3711W	316	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
ARCALIA	ARCR	Romania	47.0855N 24.3537E	385	
Arcata	ARC	California,U.S.A.	40.8777N 124.0774W	30	From 1948-02-27
Arcavacata	ACI	Italy	39.3508N 16.2031E	300	From 1976-05-18
ARCESS Array Beam Reference Point	ARCES	Norway	69.5349N 25.5058E	403	
ARCESS Array Site A0	ARA0	Norway	69.5349N 25.5059E	403	
ARCESS Array Site A1	ARA1	Norway	69.5363N 25.5071E	411	
ARCESS Array Site A2	ARA2	Norway	69.5338N 25.5078E	392	
ARCESS Array Site A3	ARA3	Norway	69.5346N 25.5019E	402	
ARCESS Array Site B1	ARB1	Norway	69.5379N 25.5079E	414	
ARCESS Array Site B2	ARB2	Norway	69.5357N 25.5134E	397	
ARCESS Array Site B3	ARB3	Norway	69.5324N 25.5106E	376	
ARCESS Array Site B4	ARB4	Norway	69.5328N 25.4998E	378	
ARCESS Array Site B5	ARB5	Norway	69.5363N 25.4985E	405	
ARCESS Array Site C1	ARC1	Norway	69.5411N 25.5079E	381	
ARCESS Array Site C2	ARC2	Norway	69.5383N 25.5229E	395	
ARCESS Array Site C3	ARC3	Norway	69.5329N 25.5231E	376	
ARCESS Array Site C4	ARC4	Norway	69.5293N 25.5117E	377	
ARCESS Array Site C5	ARC5	Norway	69.5300N 25.4982E	374	
ARCESS Array Site C6	ARC6	Norway	69.5341N 25.4882E	395	
ARCESS Array Site C7	ARC7	Norway	69.5396N 25.4936E	362	
ARCESS Array Site D1	ARD1	Norway	69.5483N 25.5093E	395	
ARCESS Array Site D2	ARD2	Norway	69.5452N 25.5308E	366	
ARCESS Array Site D3	ARD3	Norway	69.5366N 25.5483E	331	
ARCESS Array Site D4	ARD4	Norway	69.5271N 25.5362E	371	
ARCESS Array Site D5	ARD5	Norway	69.5214N 25.5118E	351	
ARCESS Array Site D6	ARD6	Norway	69.5227N 25.4900E	413	
ARCESS Array Site D7	ARD7	Norway	69.5294N 25.4707E	413	
ARCESS Array Site D8	ARD8	Norway	69.5384N 25.4686E	368	
ARCESS Array Site D9	ARD9	Norway	69.5454N 25.4857E	359	
ARCESS Array Site E0	ARE0	Norway	69.5348N 25.5057E	403	
Arcevia	ARV	Italy	43.4977N 12.9410E	459	From 1983-06-01
Arcevia	ARVD	Italy	43.4981N 12.9415E	461	
Archaia Olimpia	AOL1	Greece	37.6433N 21.6248E	50	From 2010-12-01
Archidona, Tena	ARDO	Ecuador	0.9944S 77.8007W	677	
Archignac	ARH	Aquitaine,France	45.0097N 1.3117E	320	
Arcidosso	ARCI	Italy	42.8519N 11.4754E	1080	From 2005-05-04
Arctowski Station	AAS	South Shetland Islands	62.1600S 58.4625W	15	From 1978-04-01 to 2000-06-29
Arden House	ARNY	New York,U.S.A.	41.3032N 74.1145W	430	
Ardmore	AM-	Oklahoma,U.S.A.	34.0478N 97.4114W	274	From 1961-12-08 to 1961-12-20
Ardmore	AM-OK	Oklahoma,U.S.A.	34.0478N 97.4114W	274	From 1961-12-08 to 1961-12-20
Ardon	ARNR	Severo-Osetinskaya,Russia	43.1801N 44.2841E	419	From 2001-01-31
Areado	AREB	Brazil	21.3625S 46.1234W	982	
Arecibo	APR	Puerto Rico	18.4422N 66.7247W	50	From 1975-11-14
Arecibo Observatory	AOPR	Puerto Rico	18.3466N 66.7539W	355	
Arenal	AR1	Costa Rica	10.4586N 84.7322W	595	
Arenal	PACM	Costa Rica	10.4840N 84.7670W	490	
Arenal	AREE	Ecuador	1.4823S 78.4213W	4005	
Arenal 1	ARE1	Costa Rica	10.4610N 84.7188W	359	From 2000-01-01
Arenal Observatory Lodge	AROL	Costa Rica	10.4373N 84.7092W	720	
Arenas del Rey	EXAR	Spain	36.9580N 3.8940W	927	
Arenillas	ARNL	Ecuador	3.5478S 80.0670W	44	From 2008-12-17
Arenosillo	ARNO	Spain	37.0988N 6.7322W	45	From 2014-06-01
Areopolis	ARE2	Greece	36.6664N 22.3833E	255	From 2011-09-15
Arequipa	ARE	Peru	16.4621S 71.4913W	2452	
Arette	NE10	Aquitaine,France	43.0860N 0.6990W	480	From 1982-11-01 to 2001-07-28
Arette	ATE	Aquitaine,France	43.0858N 0.7003W	480	From 1977-12-01
Argentiere	OGAG	Provence-Cote d'Azur,France	44.4547N 6.5410E	1300	
Argentine Island	AIA	Antarctic Peninsula	65.2500S 64.2667W	11	From 2001-01-10
Arges	ARR	Romania	45.3675N 24.6336E	871	
Argonne	AO-WS	Wisconsin,U.S.A.	45.6067N 88.9503W	518	
Argonne	AO-	Wisconsin,U.S.A.	45.6067N 88.9503W	518	
Argonne North	ARNI	Idaho,U.S.A.	43.6667N 112.6240W	1553	From 1990-08-14
Argos	ARS1	Greece	37.6348N 22.7293E	55	From 2014-09-20
Argostoli	ARG2	Greece	38.1784N 20.4878E	6	From 2012-09-01
Argostoli (Greece)	KER02	Greece	38.1663N 20.5105E	13	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES02	Greece	38.1663N 20.5090E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES18	Greece	38.1635N 20.4990E	8	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES04	Greece	38.1656N 20.5082E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES16	Greece	38.1638N 20.5007E	5	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES06	Greece	38.1649N 20.5075E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES08	Greece	38.1642N 20.5068E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES11	Greece	38.1634N 20.5055E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES13	Greece	38.1633N 20.5040E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES14	Greece	38.1639N 20.5022E	1	From 2011-09-18 to 2012-04-20
Argostoli (Greece)	KES22	Greece	38.1599N 20.4949E	64	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES29	Greece	38.1605N 20.5212E	0	From 2011-09-18 to 2012-04-20
Argostoli. Kephalonia	ARGA	Greece	38.1770N 20.4789E	6	From 2014-02-03
Argostoli. Kephalonia	KEF2	Greece	38.1654N 20.4870E	150	From 2014-01-28 to 2014-05-22
Argyle Ridge	ARGU	Utah,U.S.A.	39.8228N 110.5437W	2828	
Arharly	ARXS	Kazakhstan	44.2130N 77.8270E	1010	From 2000-05-25
Arica	ARCH	Chile	18.4906S 70.2965W	58	From 2008-10-17
Arica	ARI	Tarapaca,Chile	18.5294S 70.1769W	250	
Ariccia	ARIC	Italy	41.7342N 12.6966E	550	From 2012-08-01
Arida	ARD	Wakayama,Japan	34.0859N 135.1620E	40	From 1958-12-01
Arif	ARF	Morocco	31.4330N 4.2190W	1011	
Ariguani, Magdalena	ARGC	Colombia	9.8580N 74.2460W	187	From 2013-04-25
Arik	KRX	Kamchatskaya Oblast',Russia	53.3590N 158.6490E	1413	From 2009-08-01
Arisaig	KAR1	Scotland,United Kingdom	56.9188N 5.8290W	186	From 1983-01-01
Arizona State University	ASU	Arizona,U.S.A.	33.4163N 111.9350W	354	From 1971-11-01
Arkalochori	ARK1	Crete,Greece	35.1488N 25.2642E	384	From 2011-09-15
Arkansas Junction, Hobbs	127A	New Mexico,U.S.A.	32.6764N 103.3575W	1160	From 2008-03-16 to 2010-03-03
Arkaroola	ARKL	South Australia,Australia	30.2760S 139.3390E	520	
Arkdale	I41A	Wisconsin,U.S.A.	44.0592N 89.8697W	289	From 2011-08-03 to 2013-11-09
Arkhangelos	RHD	Greece	36.2161N 28.1261E	170	From 1966-07-10
Arkhangelos	ARG	Greece	36.2161N 28.1261E	170	From 1966-07-10
Arkhangelsk	ARHR	Arkhangel'skaya Oblast',Russia	64.5505N 40.5148E	23	From 2002-11-01
Arkhyz	ARXR	Russia	43.5620N 41.2747E	1501	From 2006-11-17
Arkit	ARK	Kyrgyzstan	41.7980N 71.9630E	1280	
Arlington	R26A	Colorado,U.S.A.	38.3009N 103.4470W	1304	From 2008-11-30 to 2010-10-18
Arlington Trafton Elementary School	ATES	Washington,U.S.A.	48.2364N 122.0592W	62	
Armento	ARME	Italy	40.3163N 16.0321E	989	
Armidale	ARMA	New South Wales,Australia	30.4183S 151.6293E	1112	From 1995-09-12
Armstrong Family, Eudora	Z43A	Arkansas,U.S.A.	33.2100N 91.2441W	39	From 2011-04-23 to 2013-02-17
Armutlu	ARMT	Turkey	40.5656N 28.8616E	418	
Army Bay	ABAZ	North Island,New Zealand	36.6002S 174.8323E	74	From 2008-10-13
Army Corps of Engineers Seattle ANSS	ACES	Washington,U.S.A.	47.5595N 122.3411W	55	From 2000-07-06
Arna	ARNS	Norway	60.4500N 5.4700E	30	From 2002-01-01
Arnaia	ARN1	Greece	40.4878N 23.5959E	160	From 2008-09-30
Arnica Sink	LASM	California,U.S.A.	41.5993N 121.5770W	2060	
Arnoeviken	ARNU	Sweden	61.6920N 17.3780E	100	From 2000-07-15
Arnold C. Orvedal, Lecompton	Q36A	Kansas,U.S.A.	38.9612N 95.4609W	306	From 2010-05-14 to 2012-03-07
Arnold Ranch	CAOM	California,U.S.A.	37.3493N 121.5330W	628	
Arnold Ranch	ARN	California,U.S.A.	37.3493N 121.5327W	628	
Arnstein	F51A	Ontario,Canada	45.9284N 79.9150W	239	From 2012-11-03
Aropaoanui	ARHZ	North Island,New Zealand	39.2631S 176.9959E	214	From 2010-03-11
Arp	ARPT	Tennessee,U.S.A.	35.7560N 89.6733W	122	
Arpino	LRP	Italy	41.6471N 13.5866E	317	From 2011-04-27
Arquata del Tronto	AQT1	Italy	42.7738N 13.2935E	770	From 2006-02-08
Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	ASPSP	Brazil	0.9169N 29.3460W	15	
Ar Rass	ARSS	Saudi Arabia	25.8810N 43.2365E	720	
Arrayan	ARRY	Ecuador	1.5063S 78.4552W	2900	From 1994-10-29
Ar Rayis	NSAFS	Saudi Arabia	23.4901N 38.8201E	94	
Ar Rayn	RAYN	Saudi Arabia	23.5225N 45.5032E	631	
Ar Rifa	BRF	Bahrain	26.0733N 50.5833E		
Arriondas	EARI	Spain	43.3012N 5.2099W	680	
Arrone	ARRO	Italy	42.5792N 12.7656E	253	From 2011-10-01
Arroyo Pinares	AAPN	Spain	37.3077N 4.1210W	1160	
Arroyo Seco	AASM	California,U.S.A.	38.4300N 121.1090W	65	
Arshan	ARS	Irkutskaya Oblast',Russia	51.9203N 102.4233E	970	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Arslanbob	ARSB	Kyrgyzstan	41.3240N	72.9820E	1510	
Arsuz	ARST	Turkey	36.4550N	35.9400E	35	From 1997-03-01
Art	433A	Texas,U.S.A.	30.7544N	99.0910W	447	From 2009-11-10 to 2011-10-02
Arta	ART	Djibouti	11.5212N	42.8378E	710	From 1972-04-01 to 1976-12-31
Arta	ART2	Greece	39.1476N	20.9938E	195	From 2012-09-01
Arta Grotte	AGD	Djibouti	11.5290N	42.8240E	450	From 1985-03-09
Arta Observatory	ARO	Djibouti	11.5270N	42.8462E	680	From 1972-12-01
Arta Tunnel	ATD	Djibouti	11.5300N	42.8470E	610	
Artemida-Makistos	AMT	Greece	37.5324N	21.7089E	481	From 2008-12-22
Arthez-de-Bearn	ARTL	Aquitaine,France	43.4561N	0.5881W	210	
Arti	ARU	Sverdlovskaya Oblast',Russia	56.4293N	58.5615E	260	
Artic	ARTS	Armenia	40.5733N	43.9983E	2300	
Artigues	ARTF	Provence-Cote d'Azur,France	43.5870N	5.8050E	513	
Artvin	ARTV	Turkey	41.1849N	41.9283E	2034	From 2005-08-05 to 2015-05-06
Artvin/Merkez/Deriner Baraj¨–	DRNR	Turkey	41.1732N	41.8723E	440	From 2015-05-05
Artybash	ARTR	Altayskiy Kray,Russia	51.7980N	87.2810E	464	From 1980-07-26
Artyk	AYK2	Sakha,Russia	64.2050N	145.1320E	707	From 2002-04-25
Artyk	ATKR	Sakha,Russia	64.1800N	145.1333E	700	
Aruch	ARUZ	Armenia	40.2830N	44.0910E	1200	
Arundel	ARCZ	South Island,New Zealand	43.9470S	171.1767E	462	From 2014-05-13
Arusha	ARTT	Tanzania,United Republic of Tanzania	2.7256S	36.2817E		From 1993-01-01
Arusha	ARSH	Tanzania,United Republic of Tanzania	3.3855S	36.7213E	879	
Arviat, NU	ARVN	Nunavut,Canada	61.0898N	94.0648W	-16	From 2006-08-14
Arvin	ARVC	California,U.S.A.	35.1269N	118.8301W	258	From 1983-09-15
Arzberg	ARSA	Austria	47.2505N	15.5232E	577	From 1997-06-20
Arzignano	VARZ	Italy	45.5258N	11.3346E	199	From 2008-09-20
Asacha	ASAK	Kamchatskaya Oblast',Russia	52.3830N	157.9000E	922	From 2008-12-23
Asacha	ASHS	Kamchatskaya Oblast',Russia	52.3000N	157.9800E	386	From 1983-03-01 to 1983-04-01
Asagicarikuru	ASAT	Turkey	40.6936N	30.7439E	100	
Asahigawa	AHS	Shiribeshi,Japan	43.1339N	141.0460E	170	From 1974-04-20 to 1974-12-10
Asahikawa	ASAJ	Kamikawa,Japan	44.1165N	142.5968E	220	From 1978-01-01
Asahikawa	ASA	Kamikawa,Japan	43.7700N	142.3730E	112	
Asama Observatory	AVOE	Nagano,Japan	36.4011N	138.5720E	1406	From 1933-01-01
Asama Yama	ASM	Nagano,Japan	36.4000N	138.5670E		
Ascension	ASCN	Ascension	7.9327S	14.3601W	173	From 1994-10-01
ASCENSION HYDROACOUSTIC SITE N1	H10N1	Ascension	7.8457S	14.4802W	-2772	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE N2	H10N2	Ascension	7.8278S	14.4875W	-2894	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE N3	H10N3	Ascension	7.8409S	14.5017W	-2891	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S1	H10S1	Ascension	8.9412S	14.6484W	-2605	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S2	H10S2	Ascension	8.9591S	14.6453W	-2609	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S3	H10S3	Ascension	8.9527S	14.6629W	-2566	From 2010-01-24
Ascension Island Hydrophone Array Site 19	ASH19	Ascension	7.8250S	14.6020W	-125	
Ascension Island Hydrophone Array Site 21	ASH21	Ascension	7.9870S	14.4950W	-810	
Ascension Island Hydrophone Array Site 23	ASH23	Ascension	8.0697S	14.4175W	-841	
Ascension Island Hydrophone Array Site 24	ASH24	Ascension	8.0557S	14.4490W	-777	
Ascension Island Hydrophone Array Site 25	ASH25	Ascension	8.9465S	14.6500W	-1646	
Ascension Island Hydrophone Array Site 26	ASH26	Ascension	8.9440S	14.6180W	-1661	
Ascension Island Hydrophone Array Site 27	ASH27	Ascension	7.8530S	14.3660W	-770	
Ascension Island Hydrophone Array Site 29	ASH29	Ascension	7.9490S	14.2660W	-824	
ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	I56GE	Ascension	7.9377S	14.3752W	189	From 2005-04-14
Ascoli Pisceno	ALP	Italy	42.7803N	13.5761E	1370	From 1979-01-01
Asem Bagus	ABJI	Jawa,Indonesia	7.7957S	114.2342E	0	From 2007-12-01
Aserradero	ASE	Nicaragua	12.4747N	87.1903W		From 1977-02-03 to 1980-12-31
Asgata	ASGA	Cyprus	34.7860N	33.2480E	217	From 2013-07-01
Ashes, Strandquist	B32A	Minnesota,U.S.A.	48.3951N	96.5363W	335	From 2010-08-14 to 2012-06-09
Asheville	AVNC	North Carolina,U.S.A.	35.6240N	82.5310W	943	
Ashfield	BASO	Ontario,Canada	44.0133N	81.6648W	185	From 2007-08-01
Ash Flat	AFAR	Arkansas,U.S.A.	36.1333N	91.5312W	239	
Ashford Hill	AFH	England,United Kingdom	51.3439N	1.2197W	91	
Ashibetsu	JAB	Sorachi,Japan	43.5045N	142.2232E	187	
Ashikaga	JAG	Tochigi,Japan	36.4250N	139.4533E	241	
Ashiyiah	ASHO	Oman	24.6839N	56.0583E	546	From 2004-12-01
Ashizuri	ASZ	Kochi,Japan	32.7200N	133.0133E	32	From 1962-01-01
Ashkhabad	ASHT	Turkmenistan	37.9421N	58.3847E	262	From 2009-12-06
Ashkhabad	ASH	Turkmenistan	37.9500N	58.3500E	220	
Ashland	N51A	Ohio,U.S.A.	40.9183N	82.3748W	343	From 2012-08-28
Ashland	Z50A	Alabama,U.S.A.	33.2540N	85.9226W	370	From 2011-12-22
Ashland	ALO	Oregon,U.S.A.	42.2000N	122.7000W	720	
Ash Meadows, Armagosa	U10A	Nevada,U.S.A.	36.4193N	116.3297W	668	From 2006-06-17 to 2008-10-15
Ashnola River, Keremeos	A07A	British Columbia,Canada	49.0480N	120.3837W	1842	From 2006-10-14 to 2008-06-17
Ashorobuto	JAR	Kushiro,Japan	43.2968N	143.7695E	210	
Ashpeak Ranch, Duncan	119A	Arizona,U.S.A.	32.7663N	109.3029W	1406	From 2007-03-11 to 2009-01-18
Ashqof	ASHJ	Jordan	32.3440N	37.6190E	1100	
Ash Shuqayq	HIL03	Saudi Arabia	27.2534N	40.7954E	1056	
Ashtabula EMA	ACEO	Ohio,U.S.A.	41.7490N	80.7680W	293	
Ashtian	ASAO	Iran	34.5480N	50.0253E	2217	From 1998-03-28
Ashton Mining of Canada property	YOSQ	Quebec,Canada	52.8666N	72.1998W	649	From 2005-06-26
Askersund	ASKU	Sweden	58.8946N	14.8288E	150	From 2002-03-25
Askja	IASK	Iceland	65.0519N	16.6482W	955	From 2007-09-21
Askoy	ASK	Norway	60.4830N	5.1950E	50	From 1983-01-01
ASL Pad, Albuquerque Seismic Lab	TASM	New Mexico,U.S.A.	34.9455N	106.4600W	1862	From 2012-05-01
Asmera	ASME	Eritrea	15.3500N	38.9300E	2420	From 1988-01-01
Asmuli	IASM	Iceland	63.8340N	20.6150W	22	From 1990-01-03
Aso	ASO	Kumamoto,Japan	32.8833N	131.0170E	568	From 1928-01-01 to 1999-08-25
Asolfsskalaheidi	IASO	Iceland	63.5966N	19.7311W	673	From 2010-12-17
Asolo	ASOL	Italy	45.8003N	11.9023E	181	From 2011-11-17
Asolo, Italy	MASO	Italy	45.8040N	11.9164E	365	From 2010-06-22
Aso san	ASJ	Kumamoto,Japan	32.8767N	131.0750E	1143	
Aspremont	ASPF	Provence-Cote d'Azur,France	43.7682N	7.2583E	850	
Aspurt	YASP	Spain	42.7292N	1.1634W	692	From 2010-05-01
Aspy Farms, Fremont	M34A	Nebraska,U.S.A.	41.5025N	96.5830W	415	From 2010-05-30 to 2012-04-23
Asqua	ASQU	Italy	43.7967N	11.7893E	860	From 2007-10-25
Assab	ASSBE	Eritrea	13.0628N	42.6545E	191	
As Saff	HSAF	Egypt	29.6187N	31.5538E	450	
Assam	NGJA	Assam,India	26.7067N	91.6750E	60	
Assam	BKOA	Assam,India	25.9833N	91.2667E	50	
Asse, Remlingen/Germany	ASSE	Germany	52.1303N	10.6729E	-809	From 2007-07-01
Assergi	RM28	Italy	42.4024N	13.5486E	1482	From 2009-06-19 to 2009-08-31
Assisi	ASS	Italy	43.0630N	12.6517E	805	From 1983-05-01
Assisi San Benedetto	ASSB	Italy	43.0426N	12.6587E	734	From 2008-06-11
Astakos	AST1	Greece	38.5416N	21.0895E	3	From 2011-07-01
Astara	ASTR	Azerbaijan	38.5600N	48.7910E	148	From 2010-11-29
Astolofo Dutra	ATDB	Minas Gerais,Brazil	21.2900S	42.8606W		From 1995-12-01
Astor Pass	APNR	Nevada,U.S.A.	40.2300N	119.8665W	1471	
Aswan	ASW	Egypt	24.0782N	32.8888E	132	From 1975-10-01
Atacazo Ninahuilca	NINA	Ecuador	0.3903S	78.6185W	4000	From 2012-05-04
Atahualpa	ATAH	Peru	7.1351S	78.3944W	3165	
Atalanti	ATAL	Greece,Greece	38.6926N	23.0213E	290	From 2008-01-01
'Ataq	ATAQ	Yemen	14.5333N	46.8083E	0	
Atar	ATA	Djibouti	11.4537N	43.2052E	50	From 1972-04-01
Atar 1	ATR1	Israel	30.9700N	34.6300E	200	
Atchley Ranch, Grenville	U26A	New Mexico,U.S.A.	36.3945N	103.7439W	1861	From 2008-05-11 to 2010-04-19
Athabasca	ATHA	Alberta,Canada	54.7137N	113.3137W	551	From 2012-10-19
Athalassa	ATHAL	Cyprus	35.1410N	33.3960E	160	From 2013-07-01
Athens Obs.	ATU	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Observatory	ATH	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Parliament	ATH5	Greece	37.9754N	23.7371E	50	From 2014-01-31
Athens University	ATHU	Greece,Greece	37.9665N	23.7845E	308	From 2008-01-20
Athinios (Pelekanos)	THT1	Greece	36.3858N	25.4296E	0	From 2011-03-25
Atibaia	VAO2	Sao Paulo,Brazil	23.2250S	46.5417W	1120	From 1993-07-01
Atico	ATI	Peru	16.1711S	73.6203W	300	
Atikokan Iron Mine	ATKO	Ontario,Canada	48.8231N	91.6004W	382	
Atka	AA-IS	Alaska,U.S.A.	52.2117N	174.2036W	6	
Atka Island	ATKA	Alaska,U.S.A.	52.2027N	174.1955W	55	
ATLACOMULCO	ATVM	Mexico	19.7618N	99.8410W	2527	From 2009-01-01
Atlanta	ATL	Georgia,U.S.A.	33.4333N	84.3375W	272	From 1963-06-21
Atlanta	I12A	Idaho,U.S.A.	43.7945N	115.1328W	1849	From 2007-08-05 to 2009-07-28
Atlantic LNG	ALNG	Trinidad and Tobago	10.1814N	61.6882W		
Atlas Peak	NAPC	California,U.S.A.	38.4395N	122.2527W	716	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Atluck Lake	ATLB	British Columbia,Canada	50.2184N	127.0600W	266	From 2005-04-21
Atoka	AK-	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atoka	AK-OK	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atsumi	JYA	Yamagata,Japan	38.5930N	139.7138E	200	
Atsumi	ATM	Yamagata,Japan	38.5650N	139.6620E	180	From 1968-09-15
Atsumi	JAA	Aichi,Japan	34.6317N	137.1433E	30	
Attachie	ATC	British Columbia,Canada	56.2300N	121.4500W		
At Ta'if	TAIF	Saudi Arabia	21.2920N	40.3540E	1680	From 1989-02-01
Attica	ATT	New York,U.S.A.	42.8358N	78.1942W	470	From 1971-07-01 to 1976-01-16
Attock	CAM2	Pakistan	33.7350N	72.2340E	302	From 2009-09-20
Attu Island--Fox	ATTU	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
Attu Island--Fox	FX1	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
At Turbah	TRBA	Yemen	13.2310N	44.1150E	1860	
Atwood	P29A	Kansas,U.S.A.	39.6021N	100.9316W	929	From 2009-05-13 to 2011-04-03
Auburn	ABRN	New York,U.S.A.	42.9963N	76.4853W	224	
Auburn	ABN	Nebraska,U.S.A.	40.3911N	95.8506W	294	From 1977-11-18
Auburn Dam	ADC	California,U.S.A.	38.9448N	120.9680W	524	From 1972-02-01 to 1983-05-16
Auburn Hatchery	AHID	Idaho,U.S.A.	42.7654N	111.1004W	1960	
Auburntown	ABTN	Tennessee,U.S.A.	35.8855N	86.1090W	363	From 1984-01-01
Auchinoon	EAU	Scotland,United Kingdom	55.8454N	3.4474W	359	From 1969-01-01
Auckland	AUC	North Island,New Zealand	36.8607S	174.7777E	79	From 1941-04-04 to 1994-06-12
Augrabies	AUGR	Cape Province,South Africa	28.5940S	20.3380E	619	From 2011-03-30
Augspurger Mountain	APM	Washington,U.S.A.	45.7361N	121.6810W	865	
Augst-Roemermuseum	SAUR	Switzerland	47.5339N	7.7228E	290	From 2006-03-23
Augusta	AG-	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	H39A	Wisconsin,U.S.A.	44.6797N	91.2833W	345	From 2011-08-12 to 2013-06-06
Augusta	AG-ME	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	HAGA	Sicily,Italy	37.2850N	15.1550E	126	From 1994-05-01
Augusta-Monte Tauro	AGST	Sicily,Italy	37.2565N	15.2271E	70	
Auguste-Victoria Mine North	BAVN	Nordrhein-Westfalen,Germany	51.7380N	7.1220E	65	From 2011-02-21
Augustine Cone H	AUCH	Alaska,U.S.A.	59.3626N	153.4447W	916	From 2013-08-20
Augustine Domo	AUD	Alaska,U.S.A.	59.3626N	153.4260W	1208	From 1994-09-06
Augustine Flow	AUF	Alaska,U.S.A.	59.3878N	153.4590W	165	From 1975-09-01
Augustine H	AUH	Alaska,U.S.A.	59.3639N	153.4430W	890	From 1978-12-01
Augustine Island	AGI	Alaska,U.S.A.	59.3800N	153.4200W	580	From 1971-08-01 to 1976-01-31
Augustine Island	AUE	Alaska,U.S.A.	59.3590N	153.3720W	172	
Augustine Island	AUI	Alaska,U.S.A.	59.3352N	153.4270W	293	From 1978-04-01
Augustine Island	AU2	Alaska,U.S.A.	59.3703N	153.3780W	195	
Augustine Juegen Kienle	AUJK	Alaska,U.S.A.	59.3500N	153.4085W	377	
Augustine Junction	AUJA	Alaska,U.S.A.	59.4100N	153.4161W	22	From 2013-08-20
Augustine Lava	AUL	Alaska,U.S.A.	59.3822N	153.4350W	360	From 1980-10-29
Augustine Mound	AU22	Alaska,U.S.A.	59.3702N	153.3573W	105	From 2006-09-01
Augustine Mound	AUM	Alaska,U.S.A.	59.3708N	153.3530W	105	From 1975-09-01
Augustine NWest	AUNW	Alaska,U.S.A.	59.3782N	153.4768W	160	
Augustine Pinnacle	AUP	Alaska,U.S.A.	59.3623N	153.4210W	1033	From 1977-09-22
Augustine Qik'rtamen	AUQ	Alaska,U.S.A.	59.3549N	153.4143W	647	From 2013-08-20
Augustine SEast	AUSE	Alaska,U.S.A.	59.3414N	153.3975W	152	
Augustine-Summit	AGU	Alaska,U.S.A.	59.3600N	153.4310W	1226	From 1990-09-01
Augustine West	AUW	Alaska,U.S.A.	59.3701N	153.4710W	276	From 1986-07-01
Auke Bay	ABF	Alaska,U.S.A.	58.3813N	134.6430W	3	From 1980-10-27
Auki	AUK	Solomon Islands,Papua New Guinea	8.7617S	160.7030E	91	
Aumenau	GWBC	Hessen,Germany	50.3938N	8.2696E	180	From 2001-12-04
Äli-Bayramli	ALIB	Azerbaijan	39.9580N	49.0060E	73	From 2003-08-01
Äppelbo	APO	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Aurakhmat	AUR	Uzbekistan	41.5833N	70.1167E		
Auriere	AURF	Provence-Cote d'Azur,France	43.8873N	7.3275E	1040	
Aurillac	ACDF	Auvergne,France	44.9300N	2.4400E	640	From 2007-05-03
Aurora	Q49A	Indiana,U.S.A.	39.0050N	84.8956W	264	From 2012-06-24
Aurora	AR-WS	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aurora	AR-	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aus	AUSN	Namibia	26.6700S	16.2600E	1496	
Au Sable	ASNY	New York,U.S.A.	44.5340N	73.6740W	0	
Ausora	ASOR	Uttar Pradesh,India	28.7558N	77.7722E	0	
Aussois	OG24	Rhone-Alpes,France	45.2217N	6.7357E	1495	From 1993-12-17
Austin	P09A	Nevada,U.S.A.	39.5516N	117.1395W	1737	From 2006-04-14 to 2008-03-08
Austin	AT-NV	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	AT-	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	ATX	Texas,U.S.A.	30.3144N	97.8667W	280	
Austin	AUS	Texas,U.S.A.	30.2833N	97.7833W		
Austmannsbunga	IAUS	Iceland	63.6723N	19.0808W	1373	From 2011-12-15
Avacha	AVH	Kamchatskaya Oblast',Russia	53.2650N	158.7380E	900	
Avcilar-¯stanbul	AVCI	Turkey	40.9958N	28.7225E	90	From 2014-01-30
Avella	O54A	Pennsylvania,U.S.A.	40.1821N	80.3778W	357	From 2012-12-14
Avellanes	AVN	Spain	41.8837N	0.7518E	630	
Ave Maria	059Z	Florida,U.S.A.	26.3373N	81.4432W	8	From 2012-03-13
Averroes	AVE	Morocco	33.2981N	7.4133W	230	From 1937-06-01
Avery, Jackson	244A	Mississippi,U.S.A.	32.0422N	90.6856W	59	From 2011-03-19 to 2013-01-22
Avery Point	APT	Connecticut,U.S.A.	41.3160N	72.0639W	3	From 1972-01-07 to 1977-06-01
Avezzano	AZI	Italy	41.9884N	13.4357E		From 1987-01-01 to 1994-12-31
Avigliano	AVG3	Italy	40.7619N	15.7251E	1213	
Avigliano	UVAG	Italy	42.6522N	12.4276E	493	From 2008-02-20
Avola	HAVL	Sicily,Italy	36.9600N	15.1250E	455	From 1994-05-01
Avon	AVO	New South Wales,Australia	34.3764S	150.6150E	532	From 1958-01-01
Avondale Springs	ASTN	Tennessee,U.S.A.	36.3270N	83.4760W	730	
Avonos	AVNT	Turkey	38.7794N	34.8553E	1584	From 1998-01-01
AVREN	AVR	Bulgaria	43.1196N	27.6691E	304	From 2006-10-01
Avril sur Loire	AVF	Bourgogne,France	46.7906N	3.3526E	225	From 1977-10-19
Avril sur Loire	AVFP	Bourgogne,France	46.7919N	3.3569E	200	
AVT- Casa Castalda	ATCC	Italy	43.1851N	12.6399E	556	From 2009-12-16
AVT- Montelovesco	ATLO	Italy	43.3152N	12.4073E	583	From 2009-11-11
AVT- Monte Tezio	ATTE	Italy	43.1979N	12.3536E	928	From 2009-12-24
AVT- Monte Valcinella	ATVA	Italy	43.2786N	12.2853E	604	From 2009-11-11
AVT- Monte Valentino	ATVO	Italy	43.3821N	12.4066E	637	From 2009-10-27
Awaji shima	JAJ	Hyogo,Japan	34.3357N	134.9078E	109	
Awajishima-nagasawa	JAWN	Hyogo,Japan	34.4853N	134.9025E	211	From 2014-03-20
Awa shima	JAW	Niigata,Japan	38.4562N	139.2487E	70	
Awhitu Peninsula	AWAZ	North Island,New Zealand	37.0638S	174.6429E	-268	From 2010-12-14
Awoonga Dam	AWOON	Queensland,Australia	24.0773S	151.3147E	553	
Awoonga Dam 3	AWDQ	Queensland,Australia	24.0478S	151.3157E	110	From 1987-07-01
Ayacucho	PP07	Peru	13.0833S	74.2500W	2800	
Ayacucho	AYAC	Peru	13.1510S	74.2060W	2761	
Ayagualo	AYA	El Salvador	13.6294N	89.2894W		
Aya Nagar	AYAN	Delhi,India	28.4822N	77.1267E		From 2001-03-13
Ayaqueme	AYVM	Mexico D.F.,Mexico	19.1678N	98.9542W	2924	
Aybut	ABTO	Oman	17.3538N	53.2966E	650	From 2001-07-01
Aydincik	AYK	Turkey	36.1522N	33.3269E	50	From 1988-01-01
Ayd¯–n/Didim	DDIM	Turkey	37.4571N	27.2414E	93	From 2014-12-04
Ayd¯–ntepe-Bayburt	BAYT	Turkey	40.3935N	40.1410E	1675	From 2008-09-12
Ayenquera	AYE	Peru	17.0133S	71.6719W	240	
Aykdinkavak	AYKD	Turkey	37.4144N	36.8067E	580	From 2009-02-07
'Aynunah	AYUS	Saudi Arabia	28.1889N	35.2689E		
Ayr State High School	AUAYR	Queensland,Australia	19.5800S	147.4100E	13	From 2013-08-11
Ayseler	AYS	Turkey	36.8955N	31.5736E	565	From 1977-02-01
Ayvalik	AYVA	Turkey	39.3083N	26.6903E	82	From 2003-10-24
Azai	AZJ	Shiga,Japan	35.4772N	136.3239E	370	
Azarshahr	IAZR	Iran	37.6783N	45.9800E	2300	From 1995-08-01
Aznalcollar, Sevilla	E017	Spain	37.5720N	6.2290W	259	From 2007-11-15 to 2009-06-19
Azuc	AZUC	Colombia	3.6940N	76.1360W	3680	
Azucar	AZ1C	Colombia	3.7310N	76.1118W	3980	
Azuela	AZU1	Ecuador	0.0825S	77.5905W	1766	From 2003-04-22
Azuero	AZU	Panama	7.7917N	80.2740W	14	
B01	B01	Germany	50.6140N	6.6320E	345	
B02	B02	Germany	50.5760N	6.9450E	400	
B03	B03	Germany	50.6480N	7.3070E	320	
B04	B04	Germany	50.5730N	7.6870E	270	
B05	B05	Germany	50.4810N	6.5670E	500	
B06	B06	Germany	50.4300N	6.7730E	500	
B07	B07	Germany	50.4820N	7.0290E	230	
B08	B08	Germany	50.4630N	7.1680E	355	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
B09	B09	Germany	50.4880N	7.4750E	150	
B10	B10	Germany	50.3350N	6.5770E	550	
B11	B11	Germany	50.3530N	6.8230E	435	
B12	B12	Germany	50.3690N	6.9690E	380	
B13	B13	Germany	50.3500N	7.3680E	140	
B14	B14	Germany	50.3460N	7.7490E	395	
B15	B15	Germany	50.2120N	6.9810E	425	
B16	B16	Germany	50.2210N	7.2350E	315	
B17	B17	Germany	50.2090N	7.4950E	320	
B18	B18	Germany	50.1650N	6.2070E	540	
B19	B19	Germany	50.1810N	6.5240E	540	
B20	B20	Germany	50.0510N	6.2990E	465	
B21	B21	Germany	50.0370N	6.5880E	345	
B22	B22	Germany	50.0320N	7.5180E	435	
B23	B23	Germany	49.9170N	6.3450E	345	
B24	B24	Germany	49.9210N	6.5740E	340	
B26	B26	Germany	49.9040N	7.3920E	400	
B27	B27	Germany	49.9010N	7.7140E	350	
B29	B29	Germany	49.7190N	6.7940E	450	
B30	B30	Germany	49.7590N	7.2400E	440	
B32	B32	Germany	49.7620N	7.7900E	250	
B33	B33	Germany	49.7620N	8.1860E	165	
B34	B34	Germany	49.5210N	7.7120E	280	
B35	B35	Germany	49.5160N	6.6090E	180	
B36	B36	Germany	49.5010N	6.7810E	275	
B37	B37	Germany	49.4820N	7.0320E	335	
B38	B38	Germany	49.5070N	7.4530E	225	
B39	B39	Germany	49.5050N	7.7770E	290	
B40	B40	Germany	49.1710N	6.8220E	300	
B41	B41	Germany	49.1970N	7.1450E	310	
B42	B42	Germany	49.1840N	7.4950E	340	
B43	B43	Germany	50.0270N	7.6830E	410	
B44	B44	Germany	50.0360N	7.9500E	345	
B46	B46	Germany	50.2130N	7.9910E	375	
B49	B49	Germany	50.4540N	8.0810E	235	
B50	B50	Germany	50.6220N	7.4310E	200	
B51	B51	Germany	50.4820N	7.2670E	110	
B52	B52	Germany	50.3490N	7.1980E	410	
B53	B53	Germany	50.2510N	7.0740E	490	
B54	B54	Germany	50.1770N	7.0430E	430	
B55	B55	Germany	50.1580N	6.9850E	400	
B56	B56	Germany	50.1110N	6.9710E	365	
B57	B57	Germany	50.0650N	6.9460E	380	
B58	B58	Germany	50.0280N	6.8720E	350	
B59	B59	Germany	50.0100N	6.8390E	365	
B60	B60	Germany	49.9660N	6.8270E	280	
B61	B61	Germany	49.9150N	6.7800E	340	
B62	B62	Germany	49.8720N	6.7110E	300	
B63	B63	Germany	49.8490N	6.6590E	385	
B64	B64	Germany	49.8150N	6.6180E	305	
B65	B65	Germany	49.7620N	6.5600E	265	
B66	B66	Germany	49.6910N	6.4700E	160	
B67	B67	Germany	49.5570N	6.4720E	385	
B70	B70	Germany	50.2620N	6.6600E	380	
B71	B71	Germany	50.1950N	6.7400E	485	
B72	B72	Germany	50.1480N	6.8240E	415	
B73	B73	Germany	50.0260N	7.0710E	165	
B74	B74	Germany	49.9840N	7.1490E	130	
B75	B75	Germany	49.9390N	7.2170E	430	
B82	B82	Germany	50.5590N	6.2360E	530	
Ba@14rda@14	BRDA	Azerbaijan	40.2630N	47.1790E	103	From 2003-08-01
Baar Spital, ZG	SBAS	Switzerland	47.1938N	8.5170E	433	From 2014-10-16
Babate	BBTS	Senegal	14.6613N	16.5332W	0	
Babati	BBAT	Tanzania,United Republic of Tanzania	4.2048S	35.7610E	1337	
Babbit Peak	BABR	California,U.S.A.	39.6024N	120.1059W	2659	
Babushkin	BTMB	Buryatiya,Russia	51.7000N	105.8320E	550	From 1999-03-01
Bacau	BAC	Romania	46.5669N	26.9124E	169	From 1942-12-25
Bac Can	BCVB	Vietnam	21.8848N	105.7725E	51	From 2008-01-01
Baccana	BACM	Italy	44.2783N	10.0722E	450	From 1998-11-01
Baccarat	BACF	Lorraine,France	48.4440N	6.7390E	316	
Bac-Giang	BGV	Vietnam	21.2941N	106.2290E	15	From 1967-04-01
Bachatsky 1, Kuzbass, Russia	BJR1	Kemerovskaya Oblast',Russia	54.2378N	86.0395E	369	From 2014-12-01
Bachatsky-2, Kuzbass, Russia	BJR2	Kemerovskaya Oblast',Russia	54.2810N	86.1268E	300	From 2014-11-27
Bachatsky-3 (Starobachaty), Kuzbass, Russia	BJR3	Kemerovskaya Oblast',Russia	54.2252N	86.1563E	225	From 2014-12-05
Bachatsky-4, Kuzbass, Russia	BJR4	Kemerovskaya Oblast',Russia	54.3009N	86.2749E	217	From 2014-12-03
Bachelor Mtn.	BACC	California,U.S.A.	33.6122N	117.0406W	551	
Backbrunna	BACU	Sweden	59.8540N	17.1078E	100	From 2001-12-12
Backryungdo	KSBAR	Republic of Korea	37.9770N	124.7142E	0	From 2008-02-14
Bacolet	BOT	Trinidad and Tobago	11.1667N	60.7179W	30	
Bacon Ridge	BCRT	Tennessee,U.S.A.	35.7660N	84.5760W	409	
Baconsthorpe	ABA1	England,United Kingdom	52.8884N	1.1453E	74	From 1982-01-01
Badajoz	EXBA	Spain	38.8790N	6.9700W	185	
Badajoz	EBAD	Spain	38.7556N	7.0133W	221	
Badasada Odisha,India	BADS	Orissa	21.2962N	85.2022E	132	From 2015-07-15
Badegauja	BADN	Nepal	28.7330N	81.1670E	1556	
Bademkaya	DBAD	Turkey	41.0183N	41.6947E	1139	From 2007-09-26
Baden-Baden-Neuweier	BABA	Baden-Wurttemberg	48.7188N	8.1922E	216	From 2015-08-01
Badger Mountain	BDG	Washington,U.S.A.	46.2347N	119.3170W	475	From 1969-03-01
Badiali	BADI	Italy	43.5097N	12.2443E	430	From 2004-07-30
Bad Neuenahr-Ahrweiler	AHRW	Rheinland-Pfalz,Germany	50.5410N	7.0760E	90	From 2009-05-14
Badra	IBDR	Iraq	33.1100N	45.9300E	90	From 2009-01-01
Badran	BDRN	Syria	33.3408N	36.3095E	965	From 1994-12-01
Bad Reichenhall	BHG	Bayern,Germany	47.7214N	12.8789E	475	From 1972-03-01
Bad Segeberg	BSEG	Schleswig-Holstein,Germany	53.9353N	10.3169E	40	
Bad Urach	BUCH	Baden-Wurttemberg,Germany	48.4496N	9.3529E	785	From 2002-01-01
Baengnyeongdo	KSBRD	Republic of Korea	37.9677N	124.6303E	169	From 2001-11-06
Baffin Island 1	B1NU	Nunavut,Canada	68.4619N	71.5880W	181	
Baffin Island 2	B2NU	Nunavut,Canada	68.9216N	73.1966W	157	
Bafgh	IBAF	Iran	31.5902N	55.5673E	1485	From 1998-10-01
Baggett Ranch, Ozona	430A	Texas,U.S.A.	30.7866N	101.2362W	768	From 2009-02-14 to 2010-12-12
Baghdad	BHD	Iraq	33.2700N	44.3800E	32	From 1979-01-01
Bagley Icefield	BAGL	Alaska,U.S.A.	60.4901N	142.0895W	55	
Bagneres-Bigorre	BDB	Midi-Pyrenees,France	43.0650N	0.1483E	561	From 1960-01-01 to 1970-12-31
Bagni Di Lucca	BDI	Italy	44.0625N	10.5969E	830	From 1983-10-01
Bagolino	BAG8	Italy	45.8228N	10.4664E	807	From 2006-06-15
Bagra	BGP	Pakistan	33.9742N	73.0682E	777	
Baguashan	BGSB	Taiwan region	24.0570N	120.6106E	0	
Baguio	BAF*	Luzon,Philippines	16.4167N	120.6000E	1500	From 1972-01-01
Baguio City	BAG	Luzon,Philippines	16.4108N	120.5800E	1507	From 1909-01-01
Baguio City	BCP	Luzon,Philippines	16.4180N	120.6100E	1500	
Baguio City Dairy Farm	BCPH	Luzon,Philippines	16.3810N	120.5810E	1500	
Baguio Weather Station	BWP	Luzon,Philippines	16.4047N	120.6022E		
Bagumbayan, Sultan Kudarat, Philippines	SKMP	Mindanao,Philippines	6.5194N	124.5429E	100	From 2012-06-04
Bahadurgarh	BHGR	Haryana,India	28.6877N	76.9388E	0	
Bahawalnagar	BNGR	Punjab,India	29.9500N	73.2500E	157	From 2006-05-20
Bahia de Los Angeles	LAX	Baja California,Mexico	28.9467N	113.5670W	50	From 1971-12-31
Bahia Malaga	MALC	Colombia	4.0130N	77.3352W	75	
Bahia Solano	SOLC	Colombia	6.2265N	77.4087W	38	From 1994-01-01
Bahrah	BARA	Saudi Arabia	21.4400N	39.4710E	250	From 1995-04-01
Bahrah	BHRA	Saudi Arabia	21.4440N	39.9680E		From 1995-01-01 to 1999-08-25
Bahraich	BRCI	Uttar Pradesh,India	27.5667N	81.5833E	123	
BAHRAICH	BRCH	Uttar Pradesh	27.3400N	81.3500E	123	From 1981-08-31
BAHS	BAHS	Saudi Arabia	19.9699N	41.5993E	2082	
Baia Mare	BMR	Romania	47.6736N	23.4960E	294	From 1979-01-01
Baidarnaya	BDR	Kamchatskaya Oblast',Russia	56.5680N	161.2080E	936	From 2005-10-08
Baie Comeau	CNQ	Quebec,Canada	49.3022N	68.0744W	200	From 1991-01-07
Baie du Lac Sali	BLSD	Djibouti	11.5908N	42.5178E	100	From 1987-01-01
Baie-St-Paul	BLBQ	Quebec,Canada	47.4275N	70.5156W	35	From 2009-11-05
Baie-St-Paul	BSPQ	Quebec,Canada	47.4400N	70.5100W	0	From 1979-05-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Baijiatuau	BJT	Beijing,China	40.0183N	116.1680E	197	From 1995-01-01
Bailadores	BLV	Venezuela	8.1908N	71.8256W	1110	From 1969-08-01 to 1970-09-29
Bailesti	BAIL	Romania	44.0201N	23.3450E	103	From 2012-11-21
Bailey Peak	BAP	Utah,U.S.A.	38.5264N	112.7950W	2387	
Bailey Ranch, Gibbon	N31A	Nebraska,U.S.A.	40.8235N	98.9544W	687	From 2009-09-11 to 2011-08-18
Bainbridge School	BABE	Washington,U.S.A.	47.6058N	122.5353W	83	
Baing, Sumba	BASI	Sumba,Indonesia	10.2189S	120.5777E	80	From 2008-12-01
Bains de Bromines	BROM	Rhone-Alpes,France	45.9450N	6.0668E	535	From 1997-02-19
Baital	BTLS	Kazakhstan	45.0410N	74.0460E	341	From 2010-10-01
Baives	BAIF	Nord-Pas-de-Calais,France	50.0592N	4.2078E	215	From 1996-04-03
Bajamar	EBAJ	Spain	28.5399N	16.3434W	239	
Bajram Curri	BCI	Albania	42.3666N	20.0675E	500	
Bakacak	BKT	Turkey	40.1420N	29.1360E	1734	From 1978-09-01 to 1980-12-31
Bakel	BKL	Senegal	14.9024N	12.4648W	30	From 1976-11-01
Baker	E24A	Montana,U.S.A.	46.5608N	104.3073W	912	From 2008-11-12 to 2010-08-04
Baker	BKRC	California,U.S.A.	35.2693N	116.0703W	275	
Baker Lake	BLC	Northwest Territories,Canada	64.3167N	96.0167W	16	From 1965-07-26
Baker Lake, Hudson Bay	YBKN	Nunavut,Canada	64.3185N	96.0026W	25	From 2006-08-27
Bakersfield	BF-	California,U.S.A.	35.6481N	118.8575W	567	
Bakersfield	BF-CL	California,U.S.A.	35.6481N	118.8575W	567	
Baki	BAK	Azerbaijan	40.3720N	49.8180E	83	From 1903-01-01
Bakirkoy-Istanbul	HVHR	Turkey	40.9698N	28.8445E	22	From 2011-01-01
Bakonya	RHK1	Hungary	46.0948N	18.0720E	297	
Bakultala	BAKU	Andaman Islands,India	12.3036N	92.5139E	30	From 2012-01-01
Bakuriani	BKR	Georgia,Georgia	41.7337N	43.5032E	1798	From 1955-01-01
Bakuriani	BKRG	Georgia,Georgia	41.7596N	43.5223E	1655	From 2013-09-29
Bala	BALAT	Turkey	39.5562N	33.1198E	1288	From 2007-12-21
Bala	BBAL	Turkey	39.5427N	33.1230E	1312	From 2008-03-05
Balakhonka, Kuzbass, Russia	BALAH	Kemerovskaya Oblast',Russia	55.6112N	86.0165E	167	From 2014-12-29
Balakot	BLKT	Pakistan	34.5300N	73.3300E	991	From 2007-10-10
Balboa, Cauca	BBAC	Colombia	2.0210N	74.2480W	1723	From 2013-04-26
Balboa Heights	BHP	Panama	8.9608N	79.5581W	36	From 1914-01-01 to 1977-03-31
Balcom Canyon	BALC	California,U.S.A.	34.3076N	118.9671W	258	
Balcova	BLCB	Turkey	38.3853N	27.0420E	150	From 2004-10-05
Bald Eagle	BED	District of Columbia,U.S.A.	38.8200N	77.0089W		
Bald Hill	BLH	Washington,U.S.A.	47.8368N	122.0320W	198	
Bald Knob	BK-AR	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Knob	BK-	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Knob	W42A	Arkansas,U.S.A.	35.2732N	91.5224W	71	From 2011-07-29 to 2013-03-07
Bald Mountain Lookout	CBLG	California,U.S.A.	37.7715N	118.8980W	2560	From 1984-01-01
Bald Mountain Lookout Tower, Alberta	BDMTA	Alberta,Canada	54.8129N	118.9149W	934	From 2014-07-30
Bald Peter	VBPM	Oregon,U.S.A.	44.6610N	121.6890W	1876	
Bald Peter	BPO	Oregon,U.S.A.	44.6519N	121.6890W	1957	From 1987-09-01
Baldwin	BA-	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin	BA-WS	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin Hills Oil	BHPC	California,U.S.A.	33.9905N	118.3617W	81	
Baldy	BALM	Alaska,U.S.A.	61.0362N	142.3450W	1300	From 1973-08-24
Baldy Mountain	GBMM	California,U.S.A.	39.1418N	122.4940W	975	
Baldy Mountain	BALA	Alaska,U.S.A.	55.1937N	162.7857W	329	From 1996-07-01
Baleine	SVL	St Vincent,Saint Vincent and the Grenadines	13.3680N	61.2040W	91	
Baler	BALP	Luzon,Philippines	15.7410N	121.5760E	50	
Balgarevo	KALB	Bulgaria	43.4059N	28.4162E	121	From 2012-11-20
Balikesir	BALB	Turkey	39.6400N	27.8800E	120	
Bal¯–kesir	KNL	Turkey	40.2707N	27.5261E	178	From 2006-09-07
Bal¯–kesir/Burhaniye-Dutluca	BUHA	Turkey	39.5011N	27.0769E	258	From 2014-12-01
BALIKESIR_Savastepe	STEP	Turkey	39.3767N	27.7183E	519	From 2011-09-29
Balikpapan	BKB	Kalimantan,Indonesia	1.2605S	116.8963E	0	
Balikpapan	BKB2	Kalimantan,Indonesia	1.2605S	116.8960E		
Balingen, Zollernalbkreis	BALG	Baden-Wurttemberg	48.2732N	8.8539E	516	From 2015-09-01
Baljurashi	BLJS	Saudi Arabia	19.9571N	41.6051E	2239	
Baljuvan	BLD	Tajikistan	38.3000N	69.6600E		
Ballabur	BAU	Azerbaijan	38.7100N	48.7800E	70	From 1984-01-01
Ballarat	BRAT	Victoria,Australia	37.5500S	143.9310E	9	
Ballidu	BAL	Western Australia,Australia	30.6065S	116.7072E	300	From 1982-08-27 to 1997-12-31
Ballidu	BLDU	Western Australia,Australia	30.6147S	116.7091E	280	From 1999-11-08
Ballon Servance	BSF	Franche Comte,France	47.8319N	6.7922E	1200	
Balmorhea	BM-TX	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea	BM-	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea Ranch, Pecos	327A	Texas,U.S.A.	31.3691N	103.4923W	784	From 2008-03-20 to 2010-02-13
Balsthal	BALST	Switzerland	47.3358N	7.6950E	908	From 2000-06-16
Baltah	BLIT	Tunisia	36.7130N	8.9528E	225	
Baltimore	BALH	Maryland,U.S.A.	39.2967N	76.6200W		From 1908-01-01 to 1916-01-01
Baltimore	BLVT	Vermont,U.S.A.	43.3488N	72.5853W	300	
Balya	BALY	Turkey	39.7403N	27.6195E	645	From 2007-05-24
Balzapamba Montalvo, CascadaMilagrosa	MONB	Ecuador	1.7674S	79.1951W	700	From 2012-07-25
Balzar	BALZ	Ecuador	1.3762S	79.9109W	34	From 2012-05-21
Bamboo Saint Ann	BBJ	Jamaica	18.3830N	77.2670W	641	From 1977-02-14
Bambui	BNC	Cameroon	6.0160N	10.2800E	1890	From 1987-02-17
Bamfield	BFSB	British Columbia,Canada	48.8336N	125.1361W	23	From 2013-11-15
Bamfield	B928	British Columbia,Canada	48.8337N	125.1345W	-227	
Bamfield Marine Station	BMSB	British Columbia,Canada	48.8356N	125.1355W	10	From 2003-03-07
Banah	BANOM	Oman	25.9233N	56.2996E	504	From 2004-12-01
Banawang	BNP	Luzon,Philippines	14.6188N	120.4140E	71	
Banca Lucia	BANL	Costa Rica	10.5197N	84.8320W	821	From 2000-01-01
Bancas Point	BCPM	Alaska,U.S.A.	59.9533N	139.6350W	396	From 1979-07-07
Bancroft	BANO	Ontario,Canada	45.0198N	77.9280W	360	From 2009-04-29
Banda Aceh	BSI	Sumatera,Indonesia	5.4964N	95.2961E	192	
Bandanaira	BNDI	Moluccas,Indonesia	4.5224S	129.9045E	16	From 2008-07-04
Bandar-abas	IBND	Iran	27.4489N	56.5399E	62	From 2006-07-01
Bandar-Abbas	BNDS	Iran	27.3993N	56.1713E	1500	From 2004-05-13
Bandar Lampung	BLSI	Sumatera,Indonesia	5.3676S	105.2452E	147	From 2005-01-01
Bandirma	BNT	Turkey	40.3561N	27.9200E	354	From 1984-01-01
Bandung	BND	Jawa,Indonesia	6.9000S	107.6500E	726	
Banff	BAN	Alberta,Canada	51.1717N	115.5580W	1500	From 1956-08-01 to 1966-09-22
Bangkinang	BKNI	Sumatera,Indonesia	0.3262N	101.0396E	65	From 2008-04-26
BangkokBB_BH_low_level	TMDB	Thailand	13.6684N	100.6068E	-47	
Bangong	ST19	Xizang Zizhiqu,China	32.0576N	89.1912E	4596	From 1998-07-10 to 1999-05-29
Bangong Suture	ST21A	Xizang Zizhiqu,China	32.2750N	89.0972E	4644	From 1998-07-24 to 1999-05-29
Bangor	BG-	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor	BG-ME	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor (NY)	BGR	New York,U.S.A.	44.8288N	74.3742W	297	From 1976-11-01
Bangui	BCAO	Central African Republic	4.4333N	18.5353E	336	From 1979-05-31 to 1999-08-25
Bangui	BNG	Central African Republic	4.4350N	18.5467E	378	
Bangula	BANG1	Malawi	16.5842S	35.1165E	96	From 2011-04-26
BANI	BANI	Dominican Republic	18.3923N	70.3582W	1038	From 1996-06-01
Bani Suef	NBNS	Egypt	28.6226N	31.2945E	295	From 2010-03-20
Bani Suef	HBNS	Egypt	28.9517N	31.2126E	210	
Banja Luka	BLY	Bosnia and Herzegovina	44.7488N	17.1839E	256	From 1975-05-01
Banjamegara	BJII	Jawa,Indonesia	7.3329S	109.7096E	629	From 2000-01-01
Banjar Baru	BBKI	Kalimantan,Indonesia	3.4625S	114.8411E	110	From 2005-01-01
Banks Island	BNKB	British Columbia,Canada	53.3318N	129.9017W	421	From 2014-08-20
Banloc	BANR	Romania	45.3825N	21.1355E	80	
Bannalp	BNALP	Switzerland	46.8705N	8.4250E	1540	From 1998-09-30
Bannockburn	BANM	Victoria,Australia	38.0515S	144.2498E	200	
Banos Encina	EBAN	Spain	38.1643N	3.7857W	460	From 1986-11-01
Banyuglugur	BLJI	Jawa,Indonesia	7.7450S	113.5950E	0	From 2007-12-01
Banyuwangi	BYJI	Jawa,Indonesia	8.2140S	114.3557E	0	From 2007-12-01
Baotou	BTO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baotou	PAO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baptist College of Charleston	BCS	South Carolina,U.S.A.	32.9797N	80.0653W	9	From 1976-03-31
Barahona	LOBA1	Dominican Republic	18.1000N	71.0800W	35	From 2014-06-19
Barahona	BRH1	Dominican Republic	18.2082N	71.0931W	30	From 2011-06-14
Baranello	BAI2	Italy	41.5092N	14.5531E	745	
Barangay Tapao	SIPH	Philippines	17.8917N	120.4580E	33	From 2005-10-19
Baratang	BTNG	Andaman Islands,India	12.1096N	92.4736E	28	From 2012-01-01
Barbacena	BARB	Minas Gerais,Brazil	21.2210S	43.8005W	1030	
Barbados	BDS	Barbados	13.1460N	59.6260W	110	From 1969-07-30
Barbados	BRB	Barbados	13.1220N	59.6060W	55	From 1955-06-30 to 1969-07-25
Barbados, Cave Hill Campus	BCHC	St Lucia	13.1339N	59.6305W	11	From 2013-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Barbar	BRBR	Syria	33.4113N	35.9508E	1834	From 1994-12-01
Barbarano Romano - VT	TO08	Italy	42.2244N	12.0526E	463	From 2008-05-29 to 2009-04-02
Barber's Block	BBL	Dominica	15.5262N	61.4700W	365	From 1978-11-21
Barbuda	BWI	Barbuda,Antigua and Barbuda	17.6650N	61.7900W	30	From 1977-01-01
Barcellona Pozzo di Gotto	SBPG	Italy	38.1422N	15.2048E	59	From 2012-07-01
Barcelona	BARV	Venezuela	9.9839N	70.7456W	615	
Bardonecchia	BNI	Italy	45.0522N	6.6786E	1410	
Bardufoss	I37H0	Norway	69.0741N	18.6077E	77	From 2015-07-15
Bare Mountain	BRO	Nevada,U.S.A.	36.7628N	116.6250W	920	From 1978-11-28
Barentsburg A	BRBA	Svalbard,Norway	78.0591N	14.2170E	6	From 2000-11-16
Barentsburg B	BRBB	Svalbard,Norway	78.0935N	14.2080E	38	From 2001-08-12
Bare Point	BPCB	British Columbia,Canada	48.9236N	123.7045W	31	From 2008-03-19
Bar Giyyora	BGIO	Israel	31.7221N	35.0878E	760	From 1986-08-11
Barguzin	BGZ	Buryatiya,Russia	53.6167N	109.6167E		
Barham	BHM	England,United Kingdom	51.2128N	1.1742E	100	
Bari	BAI*	Italy	41.1200N	16.8667E	0	
Bari	BAI	Italy	41.1070N	16.8790E	15	
Bariadhala	BRDH	Bangladesh	22.6770N	91.6425E	44	
Bari-Castellana	BRT	Italy	40.8778N	17.2036E	333	From 1978-01-01
Barichara	BARC	Colombia	6.5923N	73.1823W	1877	
Barinas	BRIV	Venezuela	8.6170N	70.4510W	0	
Baring Head	BHW	North Island,New Zealand	41.4082S	174.8712E	101	From 1975-11-27
Barisakho	BROG	Georgia,Georgia	42.4500N	44.9300E	1250	
Barisano	BRSN	Italy	44.2841N	12.0769E	20	
Barisciano	RM14	Italy	42.3454N	13.5722E	1105	From 2009-04-07 to 2009-08-31
Barje	BARS	Serbia	42.8165N	21.8153E	392	From 1996-03-07
Barkley Canyon	NCBC	British Columbia,Canada	48.4275N	126.1752W	-398	From 2009-09-01
Barkley Ridge	BARK	Alaska,U.S.A.	60.4035N	142.4911W	1141	
Barley Canyon	BRC	New Mexico,U.S.A.	35.8903N	106.7110W	2261	From 1976-06-01 to 1999-08-25
Barnard Glacier	BARN	Alaska,U.S.A.	61.0599N	141.6601W	1915	
Barnard House	BHS	St Vincent,Saint Vincent and the Grenadines	13.2963N	61.1272W	90	
Barnechea	BACH	Santiago,Chile	33.3528S	70.4917W	820	
Barney Top	BTU	Utah,U.S.A.	37.7557N	111.8743W	3235	
Baronissi	BSS	Italy	40.7906N	14.8061E	205	
Barra de Sao Francisco	BSFB	Espirito Santo,Brazil	18.8313S	40.8465W	185	
Barrage Abdel Moumen	BAM	Morocco	30.6661N	9.1661W		
Barrage El Makhazine	BMK	Morocco	34.9410N	5.8430W	166	From 1979-06-01 to 2001-10-26
Barrage Ibn Batouta	BBT	Morocco	35.6480N	5.7290W	60	From 1981-01-01
Barrage Mansour Eddahbi	BME	Morocco	30.9156N	6.7603W	1078	From 1975-03-01
Barrage Mohamed Ben Abdellah	BMB	Morocco	33.9422N	6.7511W	40	From 1978-01-01
Barrage Mohammed V	BMKM	Morocco	34.6590N	2.9340W	274	
Barra Mansa	BMA	Rio de Janeiro,Brazil	22.6950S	44.1536W	595	
Barranca, Santander	BRRC	Colombia	7.1072N	73.7120W	137	From 2009-01-01
Barranco	PFBV	Portugal	37.2715N	7.9808W	573	From 1996-01-01 to 2009-05-30
Barranco-do-Velho	PBDV	Portugal	37.2430N	7.9312W	468	From 2007-01-08
Barrancos	PBAR	Portugal	38.1750N	7.0390W	205	From 2007-01-01
Barreal	RTBS	San Juan,Argentina	31.6614S	69.4531W		
Barre de l'ile, St louis, Marie Galante	MAGL	Guadeloupe,France	15.9494N	61.2822W	157	From 2012-09-14
Barren Site	BNM	New Mexico,U.S.A.	34.1502N	106.6280W	2121	
Barre Substation	BREC	California,U.S.A.	33.8077N	117.9812W	24	
Barrett	BAR	California,U.S.A.	32.6801N	116.6721W	496	From 1952-01-17
Barrette	BAH	Hawaii,U.S.A.	21.3397N	158.0770W		From 1970-01-01 to 1999-08-25
Barrientos, Norte de Santander	CBRI	Colombia	7.7165N	72.7968W	1427	From 2009-09-01 to 2011-11-30
Barrier Glacier	BGL	Alaska,U.S.A.	61.2635N	152.3910W	1173	From 1989-01-01
Barrier Glacier Two	BGRM	Alaska,U.S.A.	60.7575N	152.4180W	985	From 1991-07-01
Barrio Florida	PWP	Puerto Rico	18.1350N	65.4450W	10	From 1975-03-01 to 1978-03-13
Barrow	BRW	Alaska,U.S.A.	71.3033N	156.7480W		From 1965-01-01
Barrow	A21K	Alaska,U.S.A.	71.3221N	156.6175W	0	From 2014-05-28
Barrow	BRV	Alaska,U.S.A.	71.2742N	156.7850W	15	
Barry, Barry	P41A	Illinois,U.S.A.	39.6750N	91.0619W	215	From 2011-06-09 to 2013-04-13
Barry Inlet	BNB	British Columbia,Canada	52.5758N	131.7520W	765	From 1985-09-01
Barry Ridge	KBRM	California,U.S.A.	40.7298N	123.9560W	853	
Barter Island	BI1	Alaska,U.S.A.	70.1318N	143.6420W	10	From 1975-09-01 to 1999-08-25
Barter Island	BI2	Alaska,U.S.A.	69.6233N	145.8950W	1100	From 1975-09-01 to 1999-08-25
Barter Island	BI3	Alaska,U.S.A.	69.5967N	144.3710W	690	From 1975-09-01 to 1978-08-14
Barter Island	BI4	Alaska,U.S.A.	69.5202N	142.9800W	745	From 1975-09-01 to 1999-08-25
Bart^–n	BTIN	Turkey	41.6362N	32.2504E	233	From 2011-02-02
Barton Gulch	BGMT	Montana,U.S.A.	45.2333N	112.0400W	2172	
Baru	BRU	Panama	8.8068N	82.5608W	3425	
Bar X Bar Ranch, Keystone	M28A	Nebraska,U.S.A.	41.3956N	101.3715W	1071	From 2009-05-14 to 2011-04-11
Basata	HBST	Egypt	29.2166N	34.7327E	240	
Baschi	MNBS	Kazakhstan	44.0790N	78.4010E	1290	From 2000-08-12
Basco	BAP*	Batan Islands,Philippines	20.4622N	121.9695E	10	
Basco	BBP	Batan Islands,Philippines	20.4411N	121.9640E	40	
Base Areonavale d'Aspretto	AJAC	Corse,France	41.9280N	8.7630E	27	From 2011-06-30
Basecamp	BASC	Jammu and Kashmir,India	34.9200N	77.2100E	3455	From 2012-01-01
Base Esperanza	ESPZ	Antarctic Peninsula	63.3981S	56.9964W	31	
Basel-Blauen	BBS	Switzerland	47.4644N	7.5092E	700	From 1974-06-01
Basel-Friedhofgasse	SBAF	Switzerland	47.5838N	7.5920E	248	From 1998-02-13
Basel, Klybeck	SBAK	Switzerland	47.5718N	7.5928E	252	From 2014-08-15
Basel, M^…nster, BS	SBAM2	Switzerland	47.5556N	7.5922E	278	From 2013-11-01
Basel-PUK	SBAP	Switzerland	47.5724N	7.5644E	263	From 1998-05-11
Basel, St Johann, BS	SBAJ2	Switzerland	47.5670N	7.5823E	259	From 2013-11-01
Basel-Tropenhaus	SBAT	Switzerland	47.5586N	7.5817E	260	From 1992-05-05
Basel, Vogelsang, BS	SBAV	Switzerland	47.5633N	7.6080E	269	From 2013-11-01
Basel, Wirtschaftsgymnasium, BS	SBAW	Switzerland	47.5476N	7.6038E	271	From 2013-11-01
Basha	BASHA	Pakistan	35.4800N	73.6930E	1994	From 2007-09-01
Bashay	BASH	Tanzania,United Republic of Tanzania	4.0037S	35.3512E	1929	
Basiliko Farm, Boston	K54A	New York,U.S.A.	42.6097N	78.6908W	465	From 2013-05-15
Basin Creek	BCM	Montana,U.S.A.	45.8355N	112.5150W	1975	From 1980-11-12 to 1981-10-10
Basin Creek Farm, Marlvern	X40A	Arkansas,U.S.A.	34.4873N	92.8342W	158	From 2011-01-26
Basiran	BSRN	Iran	31.9651N	59.1259E	1416	
Baskale_VAN	BASK	Turkey	38.0523N	44.0040E	1931	From 2011-06-27
Basking Ridge	BRNJ	New Jersey,U.S.A.	40.6828N	74.5660W	50	
Basle	BAS	Switzerland	47.5400N	7.5817E	309	From 1934-01-01 to 1978-12-31
Basmak^§i-Afyon	BASM	Turkey	37.9193N	30.0498E	897	From 2013-11-19
Basra	BSR	Iraq	30.6000N	47.8000E		
Basset	K30A	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2009-09-19 to 2011-07-29
Basse Terre	BTG	Guadeloupe,France	15.9902N	61.7192W	42	From 1976-01-01
Bassetti Ranch	PBRM	California,U.S.A.	35.5485N	121.0090W	85	
Bass Mountain	LBMM	California,U.S.A.	40.7328N	122.3658W	841	
Bassoo Peak	BSMT	Montana,U.S.A.	47.8513N	114.7870W	1950	
Bastrop	536A	Texas,U.S.A.	30.0756N	97.0652W	115	From 2010-01-14 to 2011-11-08
Bata	RHK2	Hungary	46.1270N	18.7799E	147	
Batagay	BTGS	Sakha,Russia	67.6510N	134.6400E	110	
Batakoyurt	BTKR	Severo-Osetinskaya,Russia	43.3722N	44.5422E	597	From 2005-12-01
Batan	BATAN	Costa Rica	10.0978N	83.3761W	54	
Bataraza	BATP	Palawan,Philippines	8.7970N	117.8010E	54	
Bat Cave Butte	BATC	California,U.S.A.	33.4590N	115.8410W	-18	
Batelco	BTP	Luzon,Philippines	14.6909N	120.5150E	32	
Bates	BT-OR	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates	BT-	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates Ranch, Gandy	P13A	Utah,U.S.A.	39.4550N	114.0156W	1555	From 2007-03-01 to 2008-09-05
Bath	O42A	Illinois,U.S.A.	40.1956N	90.0812W	155	From 2011-06-12 to 2013-05-02
Bath	BATH	England,United Kingdom	51.4430N	2.3290W	127	From 2009-07-14
Bath County 1	BV1	Virginia,U.S.A.	38.1781N	79.6611W	768	From 1978-08-01
Bath County 2	BV2	Virginia,U.S.A.	38.1367N	79.9194W	610	From 1978-08-01
Bath County 3	BV3	Virginia,U.S.A.	38.2383N	79.7667W	750	From 1978-08-01
Bath County 4	BV4	Virginia,U.S.A.	38.3572N	79.8278W	814	From 1978-08-01
Bath Hotel, Nevis	NVBH	Nevis,Saint Kitts and Nevis	17.1169N	62.6168W	15	From 2002-05-02
Bathurst New Brunswick	BATG	New Brunswick,Canada	47.2767N	66.0599W	336	From 2005-10-22
Batken	BTK	Kyrgyzstan	40.0580N	70.8180E	1020	
Batman	BTMN	Turkey	37.8911N	41.2701E	959	From 2003-10-02
Batman	BTMT	Turkey	38.1923N	41.4888E	854	
Batoke	BTE	Cameroon	4.0481N	9.0869E	90	From 1985-03-01
Batrach	BTCH	Syria	36.0375N	36.4592E	803	From 1995-04-01
Bat Shelomo	BTI	Israel	32.6140N	35.0160E	300	
Battle Mountain	BMN	Nevada,U.S.A.	40.4315N	117.2218W	1594	From 1969-09-02
Batumi	BATM	Georgia,Georgia	41.6040N	41.6936E	298	From 2010-10-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Baubata	PGBAU	New Britain,Papua New Guinea	5.3674S	151.0334E	251	
Bau Bau	BBSI	Buton,Indonesia	5.4875S	122.5704E	104	From 2005-01-01
Bau Bau, Buton	BSSI	Buton,Indonesia	6.1428S	120.4904E	114	From 2008-12-01
Baumata	BWTI	Timor,Indonesia	10.2000S	123.7000E		
Baumata	BATI	Indonesia	10.2065S	123.6633E	356	
Bautismo	BAUT	Venezuela	10.5065N	66.4820W	1976	From 1984-01-01 to 1999-08-25
Ba Vi	BVV	Vietnam	21.1022N	105.3687E	182	
Bavra	BAW	Armenia	41.1200N	43.8000E	2160	From 1977-01-01
Bavra	BVRS	Armenia	41.1250N	43.8067E	2160	
Bawean	BWJI	Bawean,Indonesia	5.8511S	112.6578E	58	From 2005-01-01
Baw Faw Mountain	BFW	Washington,U.S.A.	46.4867N	123.2150W	902	From 1972-10-25
Bayana	BAYN	Nepal	29.4700N	81.2000E	3050	From 1995-01-01
Bayan-Aul	BAYK	Kazakhstan	50.8200N	75.5500E	0	
Bayanday	BAY	Irkutskaya Oblast',Russia	53.0667N	105.5170E		
Bayano	BYN	Panama	9.1910N	78.8750W	120	
Bayan-Olgiy	BYO	Mongolia	48.9600N	89.9600E	2075	
Bay Bridge East	BBEB	California,U.S.A.	37.8216N	122.3298W	-30	
Bay Bridge East Pier 17	E17B	California,U.S.A.	37.8209N	122.3353W	-164	
Bay Bridge East Pier 7	E07B	California,U.S.A.	37.8185N	122.3469W	-142	
Bay Bridge West Pier 2	W02B	California,U.S.A.	37.7911N	122.3863W	-45	
Bay Bridge West Pier 5	W05B	California,U.S.A.	37.8011N	122.3758W	0	
BAYBURT	BAYB	Turkey	40.2586N	40.2576E	2015	From 2012-01-27
Bayer	BYRJ	Jordan	30.6400N	36.5000E	1030	
Baylor University	BUTX	Texas,U.S.A.	31.6917N	97.3483W	183	From 1992-11-01
Bay Minette	448A	Alabama,U.S.A.	30.9309N	87.8608W	25	From 2011-04-07
Bayram-Ali	BAT	Turkmenistan	37.6000N	62.1167E		
Baytree	DCA2	Alberta,Canada	55.7916N	119.8877W	819	
Baza	EXBZ	Spain	37.4900N	2.7750W	881	
BB Station	BBSR	Bermuda	32.3712N	64.6962W	-25	
Beach Ranch, Enterprise	F10A	Oregon,U.S.A.	45.9734N	117.2277W	1136	From 2006-08-23 to 2009-01-08
Beacon	BEAC	Western Australia,Australia	30.4511S	117.8687E	300	From 2009-03-19
Beaesweiler	BA12	Nordrhein-Westfalen,Germany	50.9091N	6.1863E	116	From 2006-10-01
Bean Ranch, Sierra Blanca	325A	Texas,U.S.A.	31.3711N	104.9712W	1666	From 2008-02-25 to 2010-01-16
Bear Butte	KBBM	California,U.S.A.	40.1970N	123.8500W	576	
Bear Canyon	BCU	Utah,U.S.A.	39.5983N	110.3710W	2438	From 1962-01-01 to 1977-03-31
Bear Canyon	BCYI	Idaho,U.S.A.	44.3108N	113.4050W	2194	From 1992-01-01
Bear Creek Country Club, Murrieta	BCCC	California,U.S.A.	33.5751N	117.2612W	391	From 2000-07-11 to 2005-08-08
Bear Creek Road	LT15	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Bear Creek Road	JBCM	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Beardsley Farm, Havre	B18A	Montana,U.S.A.	48.3943N	109.7775W	950	From 2007-11-14 to 2009-09-04
Bear Gulch	JBGM	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Gulch	BGH	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Mountain	BMTC	California,U.S.A.	35.1358N	118.5970W	1237	From 1976-08-01 to 2008-02-22
Bear Mountains	BMNM	New Mexico,U.S.A.	34.2750N	107.2600W	1972	
Bear Paw Mtn.	BPAW	Alaska,U.S.A.	64.1002N	150.9848W	619	
Bear River Range	BEI	Idaho,U.S.A.	42.1167N	111.7820W	1859	From 1974-10-01
Bear Valley	BVLM	California,U.S.A.	36.5749N	121.1901W	479	From 1970-09-03
Bear Valley	BVL	California,U.S.A.	36.5749N	121.1901W	479	From 1970-09-03
Bear Valley Observatory	BVC	California,U.S.A.	38.0397N	122.7930W	30	
Bear Valley Ranch, Parkfield	PKD	California,U.S.A.	35.9452N	120.5416W	583	From 1996-09-06
Beas, Huelva	E009	Spain	37.4192N	6.7651W	148	From 2007-09-26 to 2009-06-23
Beatrice	O34A	Nebraska,U.S.A.	40.1831N	96.6936W	409	From 2010-06-11 to 2012-04-18
Beatrice	BENE	Nebraska,U.S.A.	40.2167N	96.6025W	396	
Beatty	BEA	Nevada,U.S.A.	36.8833N	116.7670W		From 1972-01-01 to 1973-04-30
Beatty	BTY	Nevada,U.S.A.	36.8833N	116.7670W	1183	From 1971-01-01 to 1973-04-30
Beattyville	S51A	Kentucky,U.S.A.	37.6392N	83.5935W	286	From 2012-05-17
Beaufort West	BEW	Cape Province,South Africa	32.3565S	22.5730E	870	From 1993-04-01 to 2001-03-03
Beaumont Base	BBSC	California,U.S.A.	33.9214N	116.9806W	785	
Beaver	BHUT	Utah,U.S.A.	38.2768N	112.6404W	1799	From 2008-06-09
Beaver	BVR	Pennsylvania,U.S.A.	40.7000N	80.3333W		
Beaver Butte	VBEM	Oregon,U.S.A.	45.0603N	121.5870W	1544	
Beaver Creek	BVCY	Yukon Territory,Canada	62.4141N	140.8606W	708	From 2010-08-14
Beaver Creek Array Beam Reference Point	BCAR	Alaska,U.S.A.	63.0656N	141.7851W	846	
Beaver Creek Array Site 1	BC01	Alaska,U.S.A.	63.0619N	141.8279W	746	
Beaver Creek Array Site 2	BC02	Alaska,U.S.A.	63.0440N	141.8021W	563	
Beaver Creek Array Site 3	BCA3	Alaska,U.S.A.	63.0656N	141.7851W	846	From 1993-07-01
Beaver Creek Array Site 4	BC04	Alaska,U.S.A.	63.0809N	141.7684W	790	
Beaver Creek Array Site 5	BC05	Alaska,U.S.A.	63.0610N	141.7534W	908	
Beaver Dam Saddle, Pierce	E12A	Idaho,U.S.A.	46.4151N	115.5705W	1555	From 2007-08-23 to 2009-07-23
Beaver Lake	BVK	Utah,U.S.A.	38.5464N	113.1050W	1707	
Beaver Lake Mountains	BKU	Utah,U.S.A.	38.5352N	113.1270W	1859	From 1980-12-01 to 1988-09-29
Beaver Mountain	BEAW	Wyoming,U.S.A.	43.2509N	110.6130W	2960	From 1990-09-01
Bebedouro	BB16B	Sao Paulo,Brazil	21.0333S	48.5855W	527	From 2009-01-01
Bebedouro	BB19B	Sao Paulo,Brazil	21.0659S	48.5276W	574	
Bebedouro	BB19	Sao Paulo,Brazil	21.0663S	48.5277W	566	
Bebedouro	BEB22	Sao Paulo,Brazil	21.0540S	48.5040W	537	
Bebedouro13	BE13	Sao Paulo,Brazil	21.0486S	48.5645W	532	
Bebedouro 22, SP (Brazil)	BB22B	Sao Paulo	21.0541S	48.5045W	571	From 2012-09-04 to 2013-01-11
Becancour	BECQ	Quebec,Canada	46.3449N	72.4829W	24	From 2012-03-07
Becerrea'	EXBE	Spain	42.8530N	7.1590W	675	
Bechler	YPBE	Wyoming,U.S.A.	44.1495N	111.0390W	1966	
Becho	BCHG	Georgia,Georgia	43.0332N	42.5784E	1345	From 1983-01-01
Beckley	BL-	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckley	BL-WV	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckworth	BEKR	California,U.S.A.	39.8666N	120.3596W	1743	From 1996-10-02
Beclabito	T19A	New Mexico,U.S.A.	36.8299N	109.0249W	1736	From 2007-06-22 to 2009-03-03
Becsehely	BEHE	Hungary	46.4702N	16.7755E	298	From 2005-03-26
Bedford	BD-	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedford	BD-PA	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedland, Calhan	Q25A	Colorado,U.S.A.	38.9145N	104.2472W	2001	From 2008-06-08 to 2010-05-04
Bedord North Lawrence Stars, Bedford	Q47A	Indiana,U.S.A.	38.9362N	86.4261W	230	From 2011-11-07
Beebe Ranch	NBRM	California,U.S.A.	38.2610N	122.5510W	106	From 1970-08-14 to 2011-11-26
Beebe Ranch	BBR	California,U.S.A.	38.2610N	122.5510W	106	From 1970-08-14 to 2011-11-26
Beebe Ranch Broadband	NBRB	California,U.S.A.	38.2602N	122.5518W	94	
Beecher Island, Eckley	O27A	Colorado,U.S.A.	40.1900N	102.4794W	1206	From 2008-12-07 to 2010-10-13
Beegum Peak	LBPM	California,U.S.A.	40.3183N	122.8810W	1051	
Beenleigh	BEEN	Queensland,Australia	27.7276S	153.1980E	130	
Beerwah State High School	AUBSH	Queensland,Australia	26.8600S	152.9500E	26	From 2013-08-11
Beeville	835A	Texas,U.S.A.	28.2870N	97.8297W	57	From 2009-12-21 to 2011-11-13
Beibei	PEH	Sichuan,China	29.8367N	106.4180E	213	
Beijing	BJI	Beijing,China	40.0403N	116.1750E	43	
Beijing	PEK	Beijing,China	40.0403N	116.1750E	43	
Beijing	BJI2	Beijing,China	40.1017N	116.0820E		From 1977-03-01 to 1977-06-30
Beinan	TWGBT	Taiwan region	22.8176N	121.0799E	195	From 1996-03-08
Beirut	BEYL	Lebanon	33.8717N	35.4932E	49	From 2006-07-01
Beja	PBEJ	Portugal	38.0264N	7.8664W	270	From 1995-06-01
Bekalta	BKLT	Tunisia	35.6186N	10.9965E	25	
Bekescsaba	BKE	Hungary	46.6125N	17.8930E	95	From 1987-01-01 to 1984-12-31
Belacker	BAF	Alsace,France	47.8347N	6.9953E	1000	From 1974-10-01
Belaya Gora	YBGR	Sakha,Russia	68.5317N	146.1927E	36	From 2011-08-12
Belbasi	BBTK	Turkey	39.8422N	32.7603E	1200	From 1986-01-01
Belbasi Array Beam Reference Point	BRAR	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 1	BR01	Turkey	39.8417N	32.7601E	1286	
Belbasi Array Site 2	BR02	Turkey	39.8488N	32.7654E	1270	
Belbasi Array Site 3	BR03	Turkey	39.8334N	32.7656E	1259	
Belbasi Array Site 31	BR31	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 4	BR04	Turkey	39.8409N	32.7413E	1265	
Belbasi Array Site 5	BR05	Turkey	39.8481N	32.7469E	1265	
Belbasi Array Site 6	BR06	Turkey	39.8533N	32.7483E	1210	
Belbasi Site	BR00	Turkey	39.8535N	32.7608E	1243	
Belchertown	QUA2	Massachusetts,U.S.A.	42.2789N	72.3525W	168	
Belem	BEB	Para,Brazil	1.4500S	48.4450W	15	From 1987-01-01
Belen	BLNT	Turkey	36.4880N	36.1880E	555	From 1997-03-01
Bel˜'n	BENV	Venezuela	9.9623N	67.5988W	666	From 2015-06-11
Belene	RAZAM	Bulgaria	43.6451N	25.1243E	82	From 2012-11-20
Belfast (SA)	BFT	Transvaal,South Africa	25.6867S	30.0433E	1868	From 1986-01-01
Belfond	SLB	St Lucia	13.8275N	61.0412W	600	
Belgrade	BGNE	Nebraska,U.S.A.	41.4083N	98.1502W	573	From 2008-10-18
Belgrade	BGY	Serbia	44.8026N	20.5158E	250	From 1990-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Belgrano 2	BELA	Coats Land	77.8750S	34.6269W	262	From 2009-01-16
Belica	BELI	FYR Macedonia	41.6828N	21.2739E	523	From 2004-01-01
Belie Skali	BLSS	Sakhalinskaya Oblast',Russia	46.8390N	142.3180E	62	
Belie Skalie	BSK4	Sakhalinskaya Oblast',Russia	46.8395N	142.3184E	60	From 1996-01-01
Bella	BEL3	Italy	40.7153N	15.6369E	758	
Bella Bella	BBB	British Columbia,Canada	52.1847N	128.1130W	14	From 1986-12-05
Bella Coola	BCBC	British Columbia,Canada	52.3720N	126.7550W	0	From 2007-12-06
Bellamira	BLLM	El Salvador	13.4425N	88.2378W	642	
Bellaria	BLLA	Italy	44.1429N	12.4703E	1	From 2009-01-15
Bellavista	BELL	Ecuador	0.1823S	78.4618W	2985	From 2010-07-09
Belle Mtn. Joshua Tree, Twentynine Palms	BELC	California,U.S.A.	34.0006N	115.9982W	1388	From 2001-03-15
Belle Prairie	BPIL	Illinois,U.S.A.	38.2019N	88.5919W	133	
Belleterre	BELQ	Quebec,Canada	47.3980N	78.6874W	355	From 2007-08-22
Belleview	BE-	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belleview	BE-FL	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belle View Chopil	DBCT	Dominica	15.2707N	61.3456W	527	From 1989-12-01
Belleville	BVIL	Illinois,U.S.A.	38.5136N	89.9240W	162	
Belleville	BV-PA	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BV-	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Bellevue	BVM	Martinique,France	14.7350N	61.0630W	694	From 1972-05-01
Bellevue State Park	BVD	Delaware,U.S.A.	39.7747N	75.4994W	58	From 1985-02-01
Bellfield	BFD	Victoria,Australia	37.1761S	142.5440E	235	From 1972-10-16 to 2006-05-29
Bellingham	BLL	Washington,U.S.A.	48.7389N	122.4850W	96	From 1961-12-01 to 1969-12-31
Bell Mountain	BLM*	Nevada,U.S.A.	39.1536N	118.0917W	1951	From 1972-01-13 to 1975-07-31
Bell Site, White Sands Missile Range	123A	New Mexico,U.S.A.	32.6349N	106.2622W	1206	From 2008-05-14 to 2010-01-19
Bell Springs	KBSM	California,U.S.A.	39.9178N	123.5950W	1134	
Bellville	BLE	Cape Province,South Africa	33.9000S	18.6450E	78	
Belmond	K37A	Iowa,U.S.A.	42.7669N	93.6388W	365	From 2010-10-11 to 2012-10-23
Belmont	SVB	St Vincent,Saint Vincent and the Grenadines	13.2720N	61.2520W	282	From 1978-06-06
Belmont College, St. Clairsville	BTCO	Ohio,U.S.A.	40.0772N	80.9659W	372	
Belogorka	BGK	Kyrgyzstan	42.6250N	74.2360E	1450	
Belogorka 2	BGK2	Kyrgyzstan	42.6451N	74.2274E	1640	
Belogornoye	BELG	Saratovskaya Oblast',Russia	52.3934N	47.6244E	0	From 2014-03-03
Belogradchik	BLKB	Bulgaria	43.6227N	22.6750E	650	From 2012-11-20
BELONIA	BELO	Tripura,India	23.2485N	91.4472E	20	From 2011-05-01
Belsk	BEL	Poland	51.8355N	20.7888E	173	From 1965-11-03
Belted Range	BLT	Nevada,U.S.A.	37.4825N	116.1260W	1882	From 1979-05-30 to 2002-10-10
Belton	X54A	South Carolina,U.S.A.	34.5474N	82.3743W	213	From 2013-02-14
Beluga	BLGA	Alaska,U.S.A.	61.1765N	151.0313W	20	
Belurgan, Co Louth	ILTH	Ireland	54.0279N	6.3362W	20	From 2011-12-12
Belvedere	BELV	Provence-Cote d'Azur,France	44.0160N	7.3190E	800	From 2004-03-17
Belvidere	W49A	Tennessee,U.S.A.	35.1194N	86.2645W	251	From 2012-04-18
Belvue	BEK	Kansas,U.S.A.	39.2632N	96.1997W	349	From 1977-09-15 to 2001-07-15
Belyy Ugol+	BEYR	Russia	44.0120N	42.8170E	660	
Belyy Yar	BYAR	Khanty-Mansi Autonomous Okrug,Russia	61.4167N	73.4000E	91	
Bemidji	BEM	Minnesota,U.S.A.	47.4889N	94.8683W	426	From 1981-07-07
Benavides	934A	Texas,U.S.A.	27.6018N	98.5192W	144	From 2009-12-20 to 2011-11-16
Bench	BEH	Alaska,U.S.A.	66.0150N	149.8120W		From 1985-03-01
Bend	CKT	Alaska,U.S.A.	61.2008N	152.2060W	1036	From 1992-09-17
Bend	BEND	Oregon,U.S.A.	44.0669N	121.3267W	1141	
Bend	I05A	Oregon,U.S.A.	44.1626N	121.2675W	1011	From 2004-07-21 to 2008-01-30
Benevento	BNV	Italy	41.1310N	14.7820E	154	
Bengkulu	BGI	Sumatera,Indonesia	3.6500S	102.5670E		
Beni-Abbes	BAB	Algeria	30.1214N	2.1861W		
Beniarda	EBEN	Spain	38.7038N	0.2250W	764	
Beniarda presa Alicante	EBEN2	Spain	38.6763N	0.1904W	420	From 2012-05-31
Benidorm	EXBN	Spain	38.5450N	0.1310W	45	
Beni Messoud	BMD	Morocco	35.7803N	5.6997W	396	
Beni Rached	EBNR	Algeria	36.2905N	1.5302E	636	
Ben Lomond Mountain, Santa Cruz County	JBNB	California,U.S.A.	37.1232N	122.1567W	761	From 2008-05-23
Ben Lomond (Santa Cruz Mountains)	BNLO	California,U.S.A.	37.1311N	122.1729W	794	From 2005-04-20 to 2007-09-02
Bennet, Jal	227A	New Mexico,U.S.A.	32.0120N	103.2924W	879	From 2008-03-21 to 2010-02-15
Bennett Dam	BDBC	British Columbia,Canada	56.1742N	122.2820W	700	From 1985-10-01
Benn Knob	BENN	North Carolina,U.S.A.	35.5650N	81.6610W	878	From 1982-01-22 to 2008-02-13
Benoni	BNON	South Africa	26.1580S	28.3190E	1683	From 2010-03-01
Bensberg	BNS	Nordrhein-Westfalen,Germany	50.9639N	7.1756E	200	From 1954-04-01
Bensberg	BA09	Nordrhein-Westfalen,Germany	50.9638N	7.1755E	200	From 2006-10-01
Benson	G34A	Minnesota,U.S.A.	45.2419N	95.6380W	316	From 2010-09-16 to 2012-07-26
Benson Hill Elementary School	RBEN	Washington,U.S.A.	47.4348N	122.1862W		
Benson Ranch	BENWA	Washington,U.S.A.	46.5188N	119.7170W	335	
Benton	BENR	California,U.S.A.	37.7155N	118.5730W	2490	From 1983-07-29
Benton	T44A	Missouri,U.S.A.	37.0860N	89.5896W	133	From 2011-07-23 to 2013-03-19
Beograd	BEO	Serbia	44.8093N	20.4714E	129	From 1910-06-01
Beppu	BEP	Oita,Japan	33.2833N	131.4830E	75	
Beppuamama	JBEP	Kumamoto,Japan	33.3363N	131.4072E	434	From 2010-02-01
Beqa	BQA	Fiji	18.3786S	178.1350E	439	From 1979-10-01
Berane	BEY	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berane	IVA	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berat	BERA1	Albania	40.7082N	19.9455E	265	From 2013-10-18
Berati	BERA	Albania	40.7027N	19.9494E	100	
Berchikul'	BRCR	Kemerovskaya Oblast',Russia	55.6400N	88.3200E	350	
Berchtesgaden	BGLD	Bayern,Germany	47.6524N	13.0125E	930	From 1999-10-22
Berda	BERT	Tunisia	34.2410N	9.0118E	320	
Berdun	YBER	Spain	42.5810N	0.9182W	632	From 2010-05-01
Beregovo	BERU	Ukraine	48.2336N	22.6464E	140	From 2000-07-12
Bereket-Mersin	BERE	Turkey	36.3474N	33.2229E	1379	From 2011-07-01
Berezeni	BERR	Romania	46.3589N	28.1501E	66	From 2001-11-08
Berezniki	BRZS	Kazakhstan	49.9820N	72.6780E	497	From 2010-09-01
Berezovaya	BERS	Kamchatskaya Oblast',Russia	52.2700N	158.4330E	10	From 1981-01-01 to 1994-12-31
Bergen	BER	Norway	60.3838N	5.3339E	50	From 1994-06-28
Bergen	BRGNA	Alberta,Canada	51.6769N	114.7269W	1246	From 2013-10-29
Berg Farm, Melba	J10A	Idaho,U.S.A.	43.4275N	116.7670W	748	From 2006-11-29 to 2008-07-24
Berggiesshubel	BRG	Sachsen,Germany	50.8732N	13.9428E	260	
Bergheim	BGUS	Saskatchewan,Canada	52.1960N	106.3980W	594	From 1999-01-01 to 2002-12-01
Bergheim	BEG	Nordrhein-Westfalen,Germany	50.9613N	6.6557E	-95	From 1975-05-01 to 1994-12-01
Bergheim Laurentius Kirche	BD01	Nordrhein-Westfalen,Germany	50.9593N	6.6355E	78	From 2001-01-01
Berg Lake	BERG	Alaska,U.S.A.	60.3928N	143.7018W	474	
Bergtoll Ranch, Theony	A21A	Montana,U.S.A.	48.9912N	106.9254W	779	From 2008-09-17 to 2010-07-19
Bergwerk Schwarze Crux	CRUX	Thuringen,Germany	50.6030N	10.7921E	718	From 2012-06-01
Bering	BKI	Kamchatskaya Oblast',Russia	55.2040N	165.9720E	10	
Bering Glacier BLM Camp	BGLC	Alaska,U.S.A.	60.1210N	143.2821W	10	
Berja	EBER	Spain	36.8979N	2.8896W	1690	
Berkeley--Byerly	BKS	California,U.S.A.	37.8762N	122.2356W	243	From 1962-01-01
Berkeley--Haviland	BRK	California,U.S.A.	37.8735N	122.2610W	49	From 1887-01-01
Berland Lookout Tower, Alberta	BRLDA	Alberta,Canada	54.0920N	117.4038W	1223	From 2014-07-30
Berlin	BNH	New Hampshire,U.S.A.	44.5906N	71.2564W	472	From 1963-01-01 to 1999-01-31
Berlin	BR-PA	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Berlin	BRN	Berlin,Germany	52.4188N	13.2031E	45	From 1972-07-01
Berlin--Free University	BRL	Berlin,Germany	52.4715N	13.2904E	-68	From 1970-01-01
Berlin--Lankwitz	BRNL	Berlin,Germany	52.4278N	13.3580E	42	From 1991-04-06
Berlin (NY)	BERL	New York,U.S.A.	42.6913N	73.3913W	549	
Berlin (Penn)	BR-	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Bermuda--Columbia	BEC	Bermuda	32.3794N	64.6811W	41	From 1939-02-03
BERMUDA INFRASONIC ARRAY REFERENCE POINT	BMTGB	Bermuda	32.3615N	64.6987W	-35	From 2008-11-10
Bermuda-Navy	BEN	Bermuda	32.2697N	64.8536W		
Bernadia	BERI	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernadia	BAD	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernardo	X22A	New Mexico,U.S.A.	34.5058N	107.0102W	1604	From 2008-01-10 to 2009-12-02
Bernardo	BDNM	New Mexico,U.S.A.	34.4960N	106.9130W	1505	From 1990-01-01
Bernie	BRNM	Missouri,U.S.A.	36.7236N	89.9978W	103	
Bernie	BRM	Missouri,U.S.A.	36.6333N	90.0597W	109	From 1969-01-01 to 1973-12-31
Bernies	BRNS	Egypt	23.8559N	34.1143E	332	
Berninapass	BERNI	Switzerland	46.4132N	10.0221E	2310	From 1998-08-01
Bern, Kleine Schanze	SBERN	Switzerland	46.9458N	7.4395E	544	From 2012-11-01
Bernov	BERN	Czech Republic	50.2321N	12.5117E	635	
Berrybush	BYB	Wales,United Kingdom	51.8994N	5.0958W	0	
Berryessa Peak	NBPM	California,U.S.A.	38.6678N	122.1930W	67	From 1974-05-10
Berryman	BRR	Missouri,U.S.A.	37.9533N	91.1750W	250	From 1960-01-01 to 1962-12-31
Ber_school_1	RORSS	Norway	64.8702N	11.2340E	0	From 2000-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ber_school_2	MELSS	Norway	66.8637N	13.7233E	29	From 2000-01-01
Bertagne	BERF	Provence-Cote d'Azur,France	43.3130N	5.6907E	1030	
Bertell Ranch	BRTC	California,U.S.A.	34.6115N	117.9630W	789	
Bertha Hill	BHI	Idaho,U.S.A.	46.7640N	115.7920W	1652	From 1971-10-01 to 1976-01-14
Berwen	BWZ	South Island,New Zealand	44.5301S	169.8831E	490	From 1991-01-20
Besancon	BES	Franche Comte,France	47.2497N	5.9875E	311	From 1950-01-01
Besboro Island	BBO	Alaska,U.S.A.	64.1212N	161.3050W	244	
Besenysz¯¶g	BSZH	Hungary	47.2996N	20.2670E	82	From 2013-09-11
Besham	BSM1	Pakistan	34.9030N	72.8610E	608	From 2012-01-01
BESHS	BESHS	Saudi Arabia	17.3651N	42.8395E	241	
Besiri	BEST	Turkey	37.8911N	41.2700E	959	From 2003-10-02 to 2013-02-01
Besmoynak	BMNS	Kazakhstan	43.1080N	75.6690E	1624	From 2004-05-18 to 2012-06-30
Bessie Mountain	BESE	Alaska,U.S.A.	58.5796N	134.8543W	870	
Betania	BETC	Colombia	2.6813N	75.4413W	540	From 1994-01-01
Bet Guvrin	GVI	Israel	31.6320N	34.9090E	390	From 1983-04-01 to 1999-08-25
Bethany	BETM	Missouri,U.S.A.	36.6119N	90.0593W	129	
Betharram	BTH	Aquitaine,France	43.1231N	0.2069W	325	From 1986-08-01 to 1995-12-31
Bethel	MBET	Montserrat	16.7414N	62.1631W	350	From 1989-07-01
Bethel	BETH	Kentucky,U.S.A.	38.2467N	83.8531W	278	From 1980-10-26 to 1999-08-25
Bethel	BQ-AK	Alaska,U.S.A.	60.7789N	161.8836W	46	
Bethel	BET	Alaska,U.S.A.	60.8078N	161.7720W		
Bethel	BHO	Oklahoma,U.S.A.	34.3808N	94.8673W	143	From 1981-03-30 to 1987-10-15
Bethesda, Antigua	ANBD	Antigua	17.0480N	61.7650W	26	From 2014-09-18
Bethesda--National Naval Medical Center	NHB	Maryland,U.S.A.	39.0016N	77.0837W	91	From 1962-01-01 to 1972-12-31
Betijoque	BETV	Venezuela	9.3795N	70.6730W	638	
Bet Lehem HaGelilit	BLGI	Israel	32.7334N	35.1913E	190	From 2007-11-19
Bet Oren	BRNI	Israel	32.7200N	34.9900E	400	From 1991-12-01
Bettingen Gewerbehaus	SBEG	Switzerland	47.5709N	7.6645E	377	From 2012-03-12
Betulia, Santander	BTLC	Colombia	6.9185N	73.2677W	1874	From 2009-09-01 to 2011-11-30
Beuda	CBEU	Spain	42.2567N	2.6769E	824	From 2007-05-01
Beulah	H45A	Michigan,U.S.A.	44.6232N	86.0440W	242	From 2012-11-09
Beulah Township	D49A	Ontario,Canada	47.2726N	81.3562W	416	From 2012-10-31
Beuren	BEU	Baden-Wurttemberg,Germany	48.5838N	9.4153E	443	From 1973-01-01 to 2002-03-08
Beverley	BEV	Jamaica	18.4517N	77.3000W	123	
Beverly	BVW	Washington,U.S.A.	46.8110N	119.8823W	670	
Beverly Hills	BVH	California,U.S.A.	34.0762N	118.3959W	39	
Beykoz	BEYT	Turkey	41.1590N	29.2910E	153	
Beylaqan	BLQ	Azerbaijan	39.7210N	47.5590E	300	From 2013-10-10
Bezymyanka	BZMS	Kamchatskaya Oblast',Russia	55.5620N	160.3850E	1486	
Bezymyannaya	BZMR	Kamchatskaya Oblast',Russia	55.9350N	160.4900E	1450	From 2006-08-01
Bezymyannyi-Griva	BZGR	Kamchatskaya Oblast',Russia	55.9400N	160.6960E	1152	From 2007-08-23
Bezymyannyi-West	BZWR	Kamchatskaya Oblast',Russia	55.9640N	160.4960E	1624	From 2007-08-23
Bhachau	BHAC	Gujarat,India	23.2800N	70.3400E	14	From 2012-01-01
Bhadarwah	BDRWA	Jammu and Kashmir	32.9618N	75.7235E	1732	
Bhadarwah	BDGH	Jammu and Kashmir	32.9825N	75.7115E	1620	
Bhakra	BHK	Punjab,India	31.4167N	76.4167E	410	From 1965-02-15
Bhandari	BHDI	Nagaland,India	26.2800N	94.1492E	700	
Bhannes	BHL	Lebanon	33.9042N	35.6542E	1000	From 1980-05-01
Bharisain	BHAR	Himachal Pradesh,India	30.0946N	79.2658E	2262	From 2012-01-01
Bharudia	BHRD	Gujarat,India	23.3060N	70.2427E	45	From 2012-01-01
Bhatsa	BHAT	Maharashtra,India	19.5196N	73.4020E	0	From 1983-07-01
Bhavnagar	BHV	Gujarat,India	21.7500N	72.1433E	7	From 2002-07-16
BHIKNUR	BNR	Andhra Pradesh,India	18.2325N	78.3932E	460	From 2000-01-01
Bhopal	BHPL	Madhya Pradesh,India	23.2410N	77.4245E	520	
Bhubaneshwar	BWNR	Orissa,India	20.2955N	85.8058E		
Bhuj	BHJ	Gujarat,India	23.2540N	69.6540E	80	From 1980-04-01
Bhuj	BHUJ	Gujarat,India	23.2540N	69.6540E		
Bhumibol Dam	BDT	Thailand	17.2443N	99.0030E	154	From 1976-01-01
Biak	BAKI	Irian Jaya,Indonesia	1.1914S	136.1070E	89	
Bialla	BIAL	New Britain,Papua New Guinea	5.3100S	151.0520E	160	From 1985-05-13
Bibbiana	BIBN	Italy	44.1320N	11.5130E	711	From 2005-04-23
Bibli¯¡n	BIBL	Ecuador	2.7600S	78.8880W	3073	From 2012-09-20
Biblis	WBH	Hessen,Germany	49.7047N	8.4151E	85	From 2004-09-17
B. Ibn Batouta	BIT	Morocco	35.6481N	5.7289W	60	
Bicaz	BIZ	Romania	46.9392N	26.1042E	410	
Biccari - m.te Cornacchia	MOCO	Italy	41.3700N	15.1580E	1049	From 2005-08-03
Bickleton	BLTW	Washington,U.S.A.	45.9150N	120.1770W	659	
Bidbid	BIDO	Oman	23.5211N	58.1269E	200	From 2001-07-01
Biddle	G23A	Montana,U.S.A.	45.2012N	105.3907W	1064	From 2008-11-23 to 2010-08-13
Bidston	BID	England,United Kingdom	53.4000N	3.0667W	60	
Bidwell	Q52A	Ohio,U.S.A.	38.9622N	82.2669W	228	From 2012-08-26
Bieber	WBG	Hessen,Germany	50.1716N	9.3459E	310	From 2003-12-15
Biel, Kongresshaus, BE	SBIK	Switzerland	47.1344N	7.2470E	430	From 2014-11-11
Bielow Farm, Ricketts	L35A	Iowa,U.S.A.	42.1123N	95.5448W	410	From 2010-06-07 to 2012-04-26
Bielsa	EBIE	Spain	42.6862N	0.1428E	2130	
Bielsko-Biala	MIKI	Poland	49.7884N	19.0603E	358	From 2005-06-15
Big Bar	N02C	California,U.S.A.	40.8220N	123.3057W	717	From 2005-06-29 to 2007-11-19
Big Bay de Noc Black Bears, Cooks	F44A	Michigan,U.S.A.	45.9737N	86.4226W	234	From 2011-09-18 to 2013-06-11
Big Bear	BBC	California,U.S.A.	34.2417N	116.9080W	2060	From 1951-06-21 to 1957-09-20
Big Bear Solar Observatory, Big Bear Lake	BBRC	California,U.S.A.	34.2623N	116.9207W	2069	From 2000-06-14
Big Bend	BBI	Idaho,U.S.A.	44.1762N	111.4290W	1950	From 1974-06-01 to 1980-07-24
Big Bend	BBM	Montana,U.S.A.	48.3764N	115.3280W	719	From 1971-02-01 to 1974-07-09
Big Bend Ranch, Presidio	626A	Texas,U.S.A.	29.5540N	104.1335W	979	From 2008-03-09 to 2010-02-07
Big Butte	BGB	Nevada,U.S.A.	37.0402N	116.2278W	1706	From 1979-01-23 to 2002-10-10
Big Chuckawalla Mtns, Desert Center	BC3	California,U.S.A.	33.6551N	115.4537W	1137	From 1991-05-08
Big Chuckwalla Mountains 2	BC2	California,U.S.A.	33.6570N	115.4612W	1185	From 1974-11-01 to 2008-02-22
Big Creek	BGN	Nevada,U.S.A.	41.6761N	118.5970W	1527	From 1974-03-01 to 1975-08-31
Big Creek Baldy	BCB	Montana,U.S.A.	48.6351N	115.5450W	1756	From 1972-07-02 to 1976-10-04
Big Creek Wildlife, Hattiesburg	346A	Mississippi,U.S.A.	31.3876N	89.4649W	91	From 2011-03-18
Big Creek, Yellow Pine	G12A	Idaho,U.S.A.	45.1285N	115.3257W	1780	From 2007-07-29 to 2009-07-25
Big Darby	GBDM	California,U.S.A.	39.4420N	123.3090W	655	
Big Dutch Hollow	BDU	Utah,U.S.A.	40.8742N	111.5340W	2198	From 1974-09-01 to 1989-04-24
Bigfork	BFM	Montana,U.S.A.	48.0672N	114.1000W	914	
Big Grassy Butte	GBI	Idaho,U.S.A.	43.9875N	112.0630W	1561	
Big Grassy Mountain	BGU	Utah,U.S.A.	40.9254N	113.0299W	1608	
Big Gulch	LBGM	California,U.S.A.	40.8023N	122.5897W	884	
Big Hill	BLW	North Island,New Zealand	41.3670S	175.4749E	340	From 1979-06-29 to 2004-06-08
Big Hole Peak	BHMT	Montana,U.S.A.	47.5825N	115.0370W	1628	
Big Horn, Sheridan	H21A	Wyoming,U.S.A.	44.6277N	107.0423W	1411	From 2008-07-25 to 2010-09-08
Big Horse Ranch, Ione	R04C	California,U.S.A.	38.2571N	120.9363W	115	From 2004-12-08 to 2007-12-04
Big Koniuji Island	BKJ	Alaska,U.S.A.	55.1567N	159.5590W	146	
Big Lost River	LRI	Idaho,U.S.A.	43.5283N	112.9480W	1509	From 1971-12-01 to 1999-08-25
Big Maria Mountains	BMM	California,U.S.A.	33.7567N	114.5860W	564	From 1974-04-01 to 1976-10-31
Big Mountain	BGM	Alaska,U.S.A.	59.3927N	155.2290W	625	From 1979-02-21
Big Mountain	BIG	Alaska,U.S.A.	59.3889N	155.2170W	567	From 1972-07-31 to 1978-09-08
Big Mountain	BBGM	California,U.S.A.	36.5780N	121.0392W	1065	From 1972-02-03 to 2011-11-26
Big Mountain Broadband	BBGB	California,U.S.A.	36.5785N	121.0396W	1089	
Big Muddy Lake	BMS	Saskatchewan,Canada	49.2117N	104.7930W	700	From 1977-07-11
Bigot	BIM	Martinique,France	14.5170N	61.0708W	425	From 1972-01-01
Big Rock Lookout	BROR	Oregon,U.S.A.	44.2674N	122.4520W	135	
Big Springs	BSPT	Tennessee,U.S.A.	35.7260N	84.1090W	334	From 1983-11-01
Big Stone Gap	BI-VA	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Big Stone Gap	BI-	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Bigte	NZB	Luzon,Philippines	14.8630N	121.1010E	227	
Big Timber	F18A	Montana,U.S.A.	45.9046N	109.7158W	1291	From 2007-09-18 to 2009-09-12
Big Trails, Ten Sleep	I21A	Wyoming,U.S.A.	43.8122N	107.2920W	1639	From 2008-07-29 to 2010-09-13
Biharamulo	BIHA	Tanzania,United Republic of Tanzania	2.6378S	31.3162E	1433	
Bijagual	LAJ	Costa Rica	9.8637N	84.1213W	1650	
Bijeljina	BLJ	Bosnia and Herzegovina	44.7830N	19.2670E	94	From 2002-07-05
Bilaspur	BLSP	Madhya Pradesh,India	22.1291N	82.1319E	398	
Bilaspur	BLPI	Madhya Pradesh,India	22.0833N	82.4167E	85	
Bila Voda	BVOC	Czech Republic	50.4338N	16.8908E	400	From 2012-02-14
Bilecik/Merkez-Dede RL	BILE	Turkey	40.1615N	29.8750E	999	
Bilibino	BILL	Magadanskaya Oblast',Russia	68.0389N	166.2711E	299	
Bilibino, Chukotka	BILI	Magadanskaya Oblast',Russia	68.0580N	166.4490E	283	From 1981-08-01 to 1992-04-30
Billerbeck	NE35	Nordrhein-Westfalen,Germany	51.9720N	7.3480E	166	
Billings	F20A	Montana,U.S.A.	45.8006N	108.1488W	1194	From 2008-07-23 to 2010-08-13
Billings	BS-MA	Montana,U.S.A.	45.7322N	108.8922W	1219	
Bima	BMNI	Sumba,Indonesia	8.5400S	118.6926E	63	From 2005-01-01

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Bindweide	BIW	Rheinland-Pfalz,Germany	50.7308N 7.8373E	360	
Bingham Canyon	BIU	Utah,U.S.A.	40.5131N 112.1360W	2244	
Binghamton	BING	New York,U.S.A.	42.0757N 75.9767W	408	From 1978-10-18 to 1986-09-30
Binghamton	BINY	New York,U.S.A.	42.1993N 75.9861W	498	From 1993-08-17
Binghamton	BNY	New York,U.S.A.	42.0896N 75.9708W	291	From 1970-08-01
Bingley Moor	BMY	England,United Kingdom	53.8698N 1.8185W	235	
Bingol	BGOL	Turkey	38.9882N 40.6711E	1166	From 2011-01-07
Bingol	BINT	Turkey	38.8758N 40.4890E	1342	From 1997-08-21
BINGOL	BNGL	Turkey	38.9521N 41.1499E	1968	From 2005-07-11
Bing¨¶l	BNGB	Turkey	38.9913N 40.6790E	1180	From 2008-11-21
Bing¨¶l/Solhan-Merkez	SLHN	Turkey	38.9572N 41.0239E	1373	From 2014-12-02
Binningen	SBIS2	Switzerland	47.4511N 7.5835E	315	From 2008-12-01
Binsa	BIN	Democratic Republic of the Congo	4.3667S 15.2500E	450	From 1966-01-01 to 1999-08-25
Bintulu	BTM	Sarawak,Malaysia	3.2000N 113.0833E	156	
Biorka	BIO	Alaska,U.S.A.	56.8517N 135.5580W	61	From 1967-06-08 to 1970-05-31
Bi'r al Bayda'	BIDS	Saudi Arabia	26.8669N 36.9575E	200	
Biratnagar	BIRA	Nepal	26.4840N 87.2670E	12	From 2001-10-19 to 2002-10-30
Biratori	JBT	Hidaka,Japan	42.5898N 142.1337E	100	From 1995-04-01
Biratori 2	JBT2	Hidaka,Japan	42.7783N 142.3637E	170	
Birch Creek	BCKR	California,U.S.A.	37.6975N 118.3720W	1634	From 1984-09-13
Birch Farm	BFZ	North Island,New Zealand	40.6817S 176.2463E	283	From 1996-04-03
Birchfield Mountain	BFMT	Tennessee,U.S.A.	35.4880N 84.2270W	329	From 1983-11-09
Birch Hill	BRH	Alaska,U.S.A.	64.8648N 147.6400W	330	From 1970-07-09 to 1972-08-10
Bird Springs	WBSM	California,U.S.A.	35.5370N 118.1390W	1932	
Birdtown, Kershaw	BIRD	South Carolina,U.S.A.	34.6450N 80.4615W	131	
Birjand	BIRU	Iran	32.9000N 59.2000E	0	
Birlad	BIR	Romania	46.2664N 27.6264E	225	From 1979-01-01
Birley Grange	KBI1	England,United Kingdom	53.2543N 1.5279W	272	From 1988-01-01
Bir Mashi	BMSH	Saudi Arabia	28.8139N 34.8389E	50	From 1993-07-01
Birney	G22A	Montana,U.S.A.	45.2189N 106.2924W	1203	From 2008-11-22 to 2010-08-10
Birongo	BIRV	Venezuela	10.4756N 66.2693W	200	
Birsfelden, Friedhof	SBIF2	Switzerland	47.5543N 7.6278E	257	From 2014-08-15
Bi'r Shalatayn	HSHL	Egypt	23.1067N 35.3999E	155	
Bisaccia	BSC3	Italy	41.0120N 15.3852E	980	
Bisbee	318A	Arizona,U.S.A.	31.4390N 109.9907W	1576	From 2007-03-07 to 2009-01-20
Biscoitos	PBIS	Azores,Portugal	38.7613N 27.2527W	435	From 2003-03-01
Bishah	BISH	Saudi Arabia	20.0010N 42.5990E	800	From 1991-05-01
Bishkek	FRU	Kyrgyzstan	42.8333N 74.6167E	655	
Bishkek	FRU1	Kyrgyzstan	42.8100N 74.6300E	929	From 2010-06-30
Bishop	BP-CL	California,U.S.A.	37.3600N 118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop	BP-	California,U.S.A.	37.3600N 118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop	BHPR	California,U.S.A.	37.2995N 118.4870W	2171	From 1984-08-10
Bishop Farm, Joseph	G10A	Oregon,U.S.A.	45.2925N 117.1204W	1527	From 2006-08-24 to 2008-07-18
Bishrakh	BISR	Uttar Pradesh,India	28.5710N 77.4390E	0	
Bislig	BIP	Mindanao,Philippines	8.2250N 126.2500E	200	
Bislig	BIPH	Mindanao,Philippines	8.1840N 126.3610E	44	
Bismark Peak	BIS	Nevada,U.S.A.	39.1238N 119.6750W	1786	From 1978-03-01
Bisoca	BISRR	Romania	45.5481N 26.7099E	866	From 2012-12-06
BISOCA	BISC	Romania	45.5402N 26.6874E	950	From 2005-08-10
Bistriski jarek	BISS	Slovenia	46.6478N 15.1271E	480	From 1996-12-01
Bisya	BSY	Oman	22.7446N 57.1995E	450	From 2001-07-01
Bisya	BSYO	Oman	22.7310N 57.2402E	350	From 1998-05-26 to 2000-12-31
Bitlis	BTLK	Turkey	38.4070N 42.1060E	1545	
BITLIS_Adilcevaz	ADCV	Turkey	38.8080N 42.7245E	1774	From 2011-11-01
Bitlis-Merkez	BLIS	Turkey	38.4146N 42.1152E	1608	From 2013-03-21
Bitola	BIA	FYR Macedonia	41.0194N 21.3239E	720	From 1994-09-17
Bitter Crk WRge	BCW	California,U.S.A.	34.9401N 119.4131W	1101	
Bitterwater Creek	PBWM	California,U.S.A.	36.3150N 120.9290W	381	From 1972-01-27
Bitterwater Creek	BTW	California,U.S.A.	36.3150N 120.9290W	381	From 1972-01-27
Bitterwater Pump Station	PBPM	California,U.S.A.	35.5791N 120.0775W	569	
Bixby	BIX	Oklahoma,U.S.A.	35.9780N 95.8461W	195	From 1990-08-01
Bjarnastaoir	IBJA	Iceland	63.9460N 21.3030W	57	From 1989-08-15
Bjornoya	BJO	Norway	74.5055N 19.1883E	18	
Bjornoya	BJO1	Norway	74.5020N 18.9990E	18	From 1994-08-25
Bjuv	BJUU	Sweden	56.0740N 13.0230E	100	From 2008-08-25
Black Birch	BBW	South Island,New Zealand	41.7108S 173.8785E	250	From 1991-11-27 to 2004-03-22
Blackbirch Station	BSWZ	North Island,New Zealand	41.7149S 173.8758E	277	From 2003-12-09
Blackbird State Forest	BBD	Delaware,U.S.A.	39.3461N 75.6767W	18	From 1977-01-01 to 1999-01-31
Blackburn lab bldg12	OTBB	Ontario,Canada	45.4068N 75.5548W	76	From 2002-05-23
Black Butte	BLK	Montana,U.S.A.	48.8547N 115.1180W	969	From 1971-02-07 to 1976-10-04
Black Butte	YPBB	Idaho,U.S.A.	45.0288N 111.1168W	2085	
Black Butte	BBN	New Mexico,U.S.A.	34.4078N 106.7460W	1524	From 1970-02-15 to 1971-12-18
Black Canyon	BLCC	California,U.S.A.	34.2436N 118.6731W	607	
Black Canyon North	BCHM	California,U.S.A.	36.0543N 117.7280W	1265	From 1975-09-26
Black Crater	BKCOR	Oregon,U.S.A.	44.2994N 121.6960W	1208	
Black Diamond Mines Park, Antioch	BDM	California,U.S.A.	37.9540N 121.8655W	219	From 1998-11-12
Blackfoot	J15A	Idaho,U.S.A.	43.3998N 112.4334W	1497	From 2007-08-09 to 2009-05-09
Black Forest	BFO	Baden-Wurttemberg,Germany	48.3301N 8.3296E	589	From 1974-10-01
Black Fox Mountain	LBFM	California,U.S.A.	41.3470N 121.8900W	1982	
Black Gap, Marathon	628A	Texas,U.S.A.	29.4862N 102.8885W	655	From 2008-03-05 to 2010-02-10
Black Gap (USAF), Gila Bend	114A	Arizona,U.S.A.	32.7513N 112.8830W	279	From 2008-02-05 to 2009-02-18
Black Hill	BLHA	Alaska,U.S.A.	55.7029N 162.0672W	378	From 1996-07-01
Black Hill	EBH	Scotland,United Kingdom	56.2481N 3.5081W	375	From 1969-01-01
Black Hills	RSSD	South Dakota,U.S.A.	44.1212N 104.0359W	2090	From 1981-08-10
Black Hill Station	BHHZ	North Island,New Zealand	39.4893S 176.0630E	776	From 2008-06-12
Black Mountain	BMT*	Nevada,U.S.A.	37.2836N 116.5336W	1920	
Black Mountain	BLDC	California,U.S.A.	35.5338N 120.9067W	457	
Black Mountain	JBMM	California,U.S.A.	37.3182N 122.1530W	820	From 1975-02-24
Black Mountain	BLKC	California,U.S.A.	35.0880N 117.2190W	648	
Black Mountain	BMRR	California,U.S.A.	40.1087N 120.2910W	2146	
Black Mountain	BMTN	Nevada,U.S.A.	37.2913N 116.6380W	2073	From 1983-04-15 to 2002-10-10
Black Mountain	BMUT	Utah,U.S.A.	41.9582N 111.2340W	2243	From 1979-10-01
Black Mountain, Craig	N21A	Colorado,U.S.A.	40.7600N 107.5196W	2235	From 2007-11-09 to 2009-10-23
Blacknest	BKN	England,United Kingdom	51.3642N 1.1869W	107	From 1973-02-22
Black Oak	GBOM	California,U.S.A.	38.8243N 122.8430W	879	From 1975-06-20
Black Peak	BPK	Arizona,U.S.A.	34.1247N 114.2100W	504	From 1974-04-01 to 1976-11-09
Black Pine Ridge	BPMT	Montana,U.S.A.	46.4375N 113.4463W	2408	
Black Rapids	BLR	Alaska,U.S.A.	63.5017N 145.8450W	809	From 1965-03-01 to 1999-08-25
Black Ridge (BLM), Bullfrog Basin	S17A	Utah,U.S.A.	37.6354N 110.8018W	1373	From 2007-07-28 to 2009-03-13
Black River	BRJ	Jamaica	18.0333N 77.8683W	8	From 1961-11-05 to 1964-03-07
Black Rk. Forest	BRNY	New York,U.S.A.	41.4140N 74.0119W	282	
Blackrock camp	BLAC	California,U.S.A.	34.0695N 116.3890W	1243	
Black Rock Valley	BRVW	Washington,U.S.A.	46.4853N 119.9912W	920	
Blacksburg	BLA	Virginia,U.S.A.	37.2113N 80.4205W	634	From 1962-09-04
Blacksburg	BAV	Virginia,U.S.A.	37.2221N 80.4250W	622	From 1973-09-01 to 2004-09-30
Blackshear	356A	Georgia,U.S.A.	31.3247N 82.1275W	36	From 2012-03-15
Black Stump Fm	BKZ	North Island,New Zealand	39.1657S 176.4926E	706	From 2004-02-11
Blacktail Mountain	BLMT	Montana,U.S.A.	48.0108N 114.3633W	2052	
Blakely	352A	Georgia,U.S.A.	31.4793N 84.9274W	101	From 2012-03-07
Blanch	U57A	North Carolina,U.S.A.	36.4319N 79.3364W	178	From 2013-04-21
Blanchard Fire Station	MBFM	California,U.S.A.	37.6785N 120.3630W	309	From 1976-11-03
Blanco	534A	Texas,U.S.A.	30.0284N 98.4753W	461	From 2009-11-06 to 2011-10-05
Blanding	BX-UT	Utah,U.S.A.	37.5633N 109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanding	BX-	Utah,U.S.A.	37.5633N 109.4347W	1707	From 1963-08-08 to 1964-03-18
Blasjo	BLS5	Norway	59.4229N 6.4560E	540	From 1994-06-20
Blasjo	BLS	Norway	59.3900N 6.4490E	1170	From 1985-01-01 to 2003-04-05
Blasjo	BLS1	Norway	59.3910N 6.8270E	1160	From 1986-10-01 to 1991-01-10
Blasjo	BLS3	Norway	59.4250N 6.5150E	1130	From 1986-10-01 to 1991-01-10
Blasjo	BLS2	Norway	59.2940N 6.9270E	1190	From 1986-10-01 to 1991-01-10
Bleialf	BLI	Rheinland-Pfalz,Germany	50.2323N 6.2877E	468	
Blekinge	BLEU	Sweden	56.3040N 15.8145E	90	From 2002-11-05
Blewett	BW-	Washington,U.S.A.	47.3803N 120.6533W	884	
Blewett	BW-WA	Washington,U.S.A.	47.3803N 120.6533W	884	
Blindstream Canyon, Hanna	BSUT	Utah,U.S.A.	40.5365N 110.7612W	3211	From 2012-09-19
Blockade Glacier	BKG	Alaska,U.S.A.	61.0702N 152.2630W	1009	From 1991-07-01
Bloemfontein	BLF	Orange Free State,South Africa	29.1089S 26.1881E	1420	
Bloom-Carroll	BCSO	Ohio,U.S.A.	39.7940N 82.6980W	256	
Bloomer Hill	OBHM	California,U.S.A.	39.6517N 121.4620W	914	From 1975-09-06
Bloomfield	BY-IO	Iowa,U.S.A.	40.7692N 92.4525W	259	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bloomington	BLO	Indiana,U.S.A.	39.1719N	86.5222W	246	From 1961-12-01
Bloomsburg	BB-PA	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Bloomsburg	BB-	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Blossom Village, Little Cayman	LCCY	Cayman Islands	19.6676N	80.0821W	5	From 2011-01-01
Blount Mountain	Y49A	Alabama,U.S.A.	33.8577N	86.4119W	362	From 2011-12-18
Blowhard Mountain	BHU	Utah,U.S.A.	37.5925N	112.8570W	3230	
Blowhole	BHT	Tennessee,U.S.A.	35.8470N	84.9450W	826	From 1981-10-23
Blue Bank Bayou	BBTN	Tennessee,U.S.A.	36.3870N	89.4570W	88	
Blue Knob State Park, Imler	O56A	Pennsylvania,U.S.A.	40.2683N	78.5663W	684	From 2010-11-05
Blue Mesa, Paradox Valley	PV22	Colorado,U.S.A.	38.5352N	108.7873W	1925	
Blue Mountain	BLM	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain	BMT	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain Lake	BML	New York,U.S.A.	43.8680N	74.4020W	305	From 1971-09-01 to 1973-10-31
Blue Mountains Array	BMO	Oregon,U.S.A.	44.8525N	117.3060W	1154	From 1962-01-01
Bluenose Ridge	KBNM	California,U.S.A.	39.8927N	123.1940W	1363	From 1979-11-09
Blue Ridge	BRDG	Arizona,U.S.A.	34.6260N	111.1760W	2057	From 1991-01-01
Blue Ridge	Z36A	Texas,U.S.A.	33.2702N	96.4344W	187	From 2010-06-06 to 2012-01-21
Blue Ridge	BLU	California,U.S.A.	34.4053N	117.7250W	1880	From 1975-02-01 to 2008-02-22
Blue Ridge Broadcasting Company	BRBC	North Carolina,U.S.A.	35.7390N	82.2860W	1976	From 1982-05-26 to 2008-02-13
Blue River	WGB	British Columbia,Canada	52.1023N	119.4650W	2012	From 1984-08-08 to 1986-07-31
Blue River	BLBC	British Columbia,Canada	52.0434N	119.2411W	2362	
Blum	BLMY	New York,U.S.A.	41.3297N	73.9550W	134	
Blyn Mountain	BLN	Washington,U.S.A.	48.0074N	122.9720W	585	From 1970-07-02
Blythe	Y12C	California,U.S.A.	33.7503N	114.5238W	196	From 2004-10-08
Blythe	Z55A	Georgia,U.S.A.	33.2211N	82.1359W	100	From 2012-04-06
Blythe	BLYC	California,U.S.A.	33.7503N	114.5238W	196	
Blytheville	V44A	Arkansas,U.S.A.	35.8282N	89.8954W	78	From 2011-05-14 to 2013-03-11
Boac	BOAC	Luzon,Philippines	13.4590N	121.8440E	29	
Boaco	BOA	Nicaragua	12.4818N	85.7178W	550	From 1975-01-01
Boaco	BOA1	Nicaragua	12.4872N	85.6945W	734	
BOACO BROADBAND	BOAB	Nicaragua	12.4491N	85.6663W	89	From 1995-02-02
Boa Vista	BOAV	Brazil	2.3953N	60.5225W	114	From 2013-11-11
Bobbio (Coli)	BOB	Italy	44.7669N	9.4478E	910	
Bobcaygeon	H53A	Ontario,Canada	44.5736N	78.5832W	292	From 2013-07-21
B¨¶bikon, Wasserreservoir Allmend, AG	BOBI	Switzerland	47.5463N	8.3399E	410	From 2013-12-09
Bob Jauregui Ranch	ABJM	California,U.S.A.	39.1653N	121.1910W	457	From 1976-07-27
Bob, Littlefork	B35A	Minnesota,U.S.A.	48.3603N	93.7261W	358	From 2010-10-19 to 2012-08-07
Bob Quinn Lake	BQB	British Columbia,Canada	57.0227N	130.2400W	1310	From 1981-10-09
Bobrof	AK4	Alaska,U.S.A.	51.8230N	177.4450W	8	
Boca de Chavon	ROBI	Dominican Republic	18.4100N	68.8400W	0	
Bocca Nuova	EBCN	Sicily,Italy	37.7521N	14.9858E	3135	From 2009-10-09
Bocca Seriola	CCE3	Italy	43.5170N	12.3548E	750	From 2011-02-08
Bochum	NE36	Nordrhein-Westfalen,Germany	51.4419N	7.2703E	85	
Bochum	BOC	Nordrhein-Westfalen,Germany	51.4894N	7.2139E	64	From 1907-01-01
Bochum--University	BUG	Nordrhein-Westfalen,Germany	51.4406N	7.2693E	85	From 1971-10-01
Bocsa	PKS6	Hungary	46.5998N	19.5645E	120	
Bodaibo	BOD	Irkutskaya Oblast',Russia	57.8189N	114.0039E	245	
Bodega del ICE en Pailas	GPS3	Costa Rica	10.7547N	85.3650W	639	From 2000-01-01
Bodie	BODR	California,U.S.A.	38.1628N	118.9702W	2195	
Bodon	BDN	Buryatiya,Russia	53.9000N	110.1000E	1000	
Bodrum	BODT	Turkey	37.0621N	27.3104E	379	From 2005-02-14
Boeing Everett	BEVT	Washington,U.S.A.	47.9200N	122.2700W	170	
Boeing Fire Protection	BSFP	Washington,U.S.A.	47.5200N	122.2983W	5	From 2004-07-07
Boeun	KSBON	Republic of Korea	36.5000N	127.8000E	332	From 2005-11-02
Bogazkoy	BGKT	Turkey	41.1810N	28.7730E	80	From 2002-01-01
Bogdanovka	BGD	Georgia,Georgia	41.2645N	43.5986E	1978	From 1954-01-01
Boggs Farm, Caney	T36A	Kansas,U.S.A.	37.0605N	95.8789W	243	From 2010-05-07 to 2012-03-02
Boggs Mountain	GBGM	California,U.S.A.	38.8140N	122.6790W	1125	From 1975-06-26
Boggy Peak	BPA	Antigua,Antigua and Barbuda	17.0460N	61.8570W	396	From 1980-07-09
Bogi-Zagon	BZN	Tajikistan	38.4800N	69.8200E		
Bogner Ranch, Nez Perce	E11A	Idaho,U.S.A.	46.3559N	116.2092W	831	From 2006-11-13 to 2008-06-06
Bogoin	BGCA	Central African Republic	5.1761N	18.4242E	576	
Bogong Mts	BOV	Victoria,Australia	36.8078S	147.2270E	700	From 1963-01-01 to 1972-08-09
Bogota	BOCO	Colombia	4.5869N	74.0433W	3137	From 1977-12-01
Bogota	BOG	Colombia	4.6231N	74.0650W	2658	From 1941-09-01
Bogota, SGC	CBOG1	Colombia	4.6410N	74.0800W	2584	From 1995-11-28
Bohocortia	BOH	Aquitaine,France	43.1027N	1.0117W	1150	
Bohunice	BHC	Czech Republic	48.5786N	17.5289E	0	
Boiestown	BOIN	New Brunswick,Canada	46.4628N	66.4067W	86	From 2007-06-26
Boilermakers Shaker, Crown Point	M45A	Indiana,U.S.A.	41.3881N	87.2504W	216	From 2011-10-23
Boischatel	BCLQ	Quebec,Canada	46.9262N	71.1728W	180	From 2007-11-02
Bois d'Agland	BGF	Auvergne,France	46.5578N	2.8464E	390	
Boise	BSE	Idaho,U.S.A.	43.6500N	116.0920W		From 1975-05-01
Boisen	BOI	New Britain,Papua New Guinea	4.1878S	152.1990E	18	
Bois Riant Capesterre	BCG	Guadeloupe,France	16.0850N	61.6197W	442	
Boistfort Mountain	BMW	Washington,U.S.A.	46.4750N	123.2280W	870	
Bojanci	BOJS	Slovenia	45.5040N	15.2520E	256	From 2004-03-01
Bojnu@18rd	BJRD	Iran,Iran	37.7000N	57.4080E	1337	
Bojnurd	BJMA	Iran	37.9000N	55.9500E	0	
Bokaro	BOK	Bihar,India	23.7948N	85.8858E	282	
Bokaro	BOKR	Bihar,India	23.7948N	85.8859E	282	
BOKO	BOKO	Assam,India	25.9700N	91.2426E	50	From 2012-01-01
Bokosso	BKO	Cameroon	4.4181N	9.1411E	380	From 1985-02-13
Bolckow	O36A	Missouri,U.S.A.	40.1315N	94.9645W	306	From 2010-05-18 to 2012-03-14
Bolinao	BOLP	Luzon,Philippines	16.3810N	119.9130E	71	
Bolinger Road	BGC	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	LT16	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	CBRM	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolivar	S39A	Missouri,U.S.A.	37.6910N	93.3226W	331	From 2010-12-12 to 2012-10-26
Bolivia	Y60A	North Carolina,U.S.A.	34.0046N	78.2163W	7	From 2013-02-27
Boljevac	BOLS	Serbia	43.8289N	21.9532E	267	From 2002-06-21
Bologna	BOL	Italy	44.4867N	11.3290E	80	
Bol'shaya Rechka	BLRR	Krasnoyarskiy Kray,Russia	53.0383N	92.4282E	558	From 2005-02-23
Bolshoi Rechka	BRHS	Buryatiya,Russia	52.0000N	106.4000E	459	
Bolshoye Goloustnoye	BGT	Irkutskaya Oblast',Russia	52.0453N	105.4070E	466	From 2011-06-14
BOLU	KIBS	Turkey	40.4197N	31.8524E	1199	From 2013-01-31
Bolvadin	BOLV	Turkey	38.7183N	30.9502E	1303	From 2007-05-30 to 2014-09-29
Bolzano	BLZ	Italy	46.5049N	11.3468E	280	From 1971-05-06
Bolzano	BOSI	Italy	46.4952N	11.3185E	242	From 2006-12-13
Bombay	BOM	Maharashtra,India	18.8958N	72.8127E	6	
Bomdila	BMI	Arunachal Pradesh,India	27.2675N	92.4230E	2700	From 1983-07-01
Bomnak	BMKR	Amurskaya Oblast',Russia	54.7110N	128.8420E	342	
Bomnak	BMKS	Amurskaya Oblast',Russia	54.7000N	128.9000E	310	
Bom Sucesso	BSCB	Minas Gerais,Brazil	20.9977S	44.7737W	870	
Bomura	BHOK	Shiga,Japan	35.2447N	135.8728E	380	
Bonanza	DCA1	Alberta,Canada	56.0317N	119.9319W	485	
Bonanza King	LBKM	California,U.S.A.	41.0842N	122.6650W	1341	
Bonao	BON1	Dominican Republic	18.9423N	70.3955W	181	From 2011-06-15
Bondeno (FE)	T0805	Italy	44.9187N	11.3226E	4	From 2012-05-21 to 2012-08-27
Bonds Corner	BON	California,U.S.A.	32.6945N	115.2690W	14	From 1973-04-16 to 2008-02-22
Bone	J16A	Idaho,U.S.A.	43.2741N	111.6119W	2004	From 2007-07-25 to 2009-05-10
Bone	BNSI	Sulawesi,Indonesia	4.4005S	120.1065E	0	From 2007-12-01
BONGHWA	KSCHY	Republic of Korea	36.9378N	128.9167E	321	From 2000-11-22
Bonilla	BNAB	British Columbia,Canada	53.4933N	130.6370W	16	From 1987-12-04
Bonnechere River Park	BRPO	Ontario,Canada	45.6506N	77.5061W	170	
Bonneval	BOF	Rhone-Alpes,France	45.3540N	7.0300E	1800	From 1981-07-01
Bonny Gate	BNJ	Jamaica	18.3210N	76.9510W	485	
Bonnylands	HBL2	England,United Kingdom	52.0508N	3.0384W	400	From 1991-01-01
Book Cliffs East	BCE	Utah,U.S.A.	39.6131N	110.4084W	2666	
Boomskoye uschel'e	BOOM	Kyrgyzstan	42.4900N	75.9400E	1737	From 2010-06-05
Boondooma	BOON	Queensland,Australia	26.0951S	151.4521E	370	
Boondooma Dam	BDMQ	Queensland,Australia	26.1123S	151.4440E	320	
Booneville	X46A	Mississippi,U.S.A.	34.5564N	88.5844W	150	From 2011-12-08
Boorowa	BWA	New South Wales,Australia	34.4250S	148.4180E	656	From 1971-01-01
Boothbay	I64A	Maine,U.S.A.	43.9197N	69.6347W	17	From 2013-09-26
Boqe	ST04	Xizang Zizhiqu,China	30.9593N	90.1925E	4736	From 1998-07-16 to 1999-06-01
Boqueron	BOQS	El Salvador	13.7350N	89.2800W	1830	From 1991-12-01
Boquillas Ranch, Navajo N., Peach Springs	V14A	Arizona,U.S.A.	35.6339N	113.1053W	1731	From 2007-03-09 to 2008-11-07
Boraas	BORU	Sweden	57.6345N	12.7697E	175	From 2006-08-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Boracho Peak	MT1	Texas,U.S.A.	30.9289N	104.3910W	1714	From 1977-06-01 to 2003-01-28
Borbona	RM20	Italy	42.5249N	13.1264E	804	From 2009-04-09 to 2009-08-26
Borcka	BCA	Turkey	41.4450N	41.6223E	500	
Borcka	DBOC	Turkey	41.3453N	41.6666E	615	From 2007-09-24
Bordano	BOO	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordano	BORI	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordesti	BRD	Romania	45.5536N	27.0288E	356	
Borealis Mine area, Hawthorne	TVH2	Nevada,U.S.A.	38.3782N	118.7564W	2174	
Borgarnes	BORG	Iceland	64.7474N	21.3268W	110	From 1994-07-31
Borgo	BL1	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo	BSL	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo San Lorenzo	BOSL	Italy	43.9400N	11.3800E	374	From 2007-02-02
Borgo Val di Taro	BVT	Italy	44.4864N	9.7750E	0	From 1975-09-01 to 1991-12-31
Borinquen Arriba	GB1A	Costa Rica	10.8185N	85.3983W	881	From 2000-01-01
Borland Lodge	BRZ	South Island,New Zealand	45.7776S	167.5388E	190	From 1979-08-22 to 1990-08-02
Bormio	BRMO	Italy	46.4761N	10.3731E	1380	
Bormio	BORM	Italy	46.4694N	10.3764E	1235	From 2006-11-29
Bornholm Skovbrynet	BSD	Denmark	55.1139N	14.9147E	88	From 1990-03-01
Bornova	KDAG	Turkey	38.4028N	27.2667E	997	From 1999-07-01
Borolday	BRLS	Kazakhstan	43.0300N	69.8360E	590	From 1989-10-30
Borongan	BESP	Samar,Philippines	11.6010N	125.4380E	48	
Borongxiang, Xizang Zizhiqu	XIXI	Xizang Zizhiqu,China	28.7408N	85.6903E	4660	From 2002-07-15 to 2002-11-01
Borovoye	BRVK	Kazakhstan	53.0581N	70.2828E	315	From 1994-09-01
Borovoye Array Beam Reference Point	BVAR	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A0	BVA0	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A1	BVA1	Kazakhstan	53.0249N	70.3886E	420	From 2002-07-06
Borovoye Array Site A2	BVA2	Kazakhstan	53.0189N	70.3912E	434	From 2002-07-06
Borovoye Array Site A3	BVA3	Kazakhstan	53.0268N	70.3785E	437	From 2002-07-06
Borovoye Array Site A4	BVA4	Kazakhstan	53.0290N	70.3963E	405	From 2002-07-06
Borovoye Array Site B5	BVB5	Kazakhstan	53.0247N	70.3662E	387	From 2002-07-06
Borovoye Array Site B6	BVB6	Kazakhstan	53.0361N	70.3762E	401	From 2002-07-06
Borovoye Array Site B7	BVB7	Kazakhstan	53.0379N	70.3950E	435	From 2002-07-06
Borovoye Array Site B8	BVB8	Kazakhstan	53.0216N	70.4108E	419	From 2002-07-06
Borovoye Array Site B9	BVB9	Kazakhstan	53.0123N	70.3857E	512	From 2002-07-06
Borrego Mountain	BRGC	California,U.S.A.	33.1712N	116.1740W	219	
Borrego Springs	BORC	California,U.S.A.	33.2682N	116.4172W	252	
Borschemich	BD11	Nordrhein-Westfalen,Germany	51.0823N	6.4302E	100	From 2001-01-01 to 2011-11-01
Borseda	BORS	Italy	44.2450N	9.8258E	510	From 1991-01-01 to 1999-08-25
Boryeong	KSPOR	Republic of Korea	36.3212N	126.5557E	15	From 2000-02-18
Boryeong	PORA	Republic of Korea	36.3278N	126.5575E	0	From 2012-10-05
Borzhomi	BOR	Georgia,Georgia	41.8333N	43.3833E	794	
Bosco Santo Pietro	HBSP	Sicily,Italy	37.1270N	14.4920E	254	From 2012-05-22
Boseong-gun	BOSB	Republic of Korea	34.7634N	127.2121E	-52	From 2012-10-18
Boshof	BOSA	South Africa	28.6137S	25.2560E	1200	From 1993-01-01
BOSHOF INFRASONIC ARRAY REFERENCE POINT	I47ZA	Orange Free State,South Africa	28.6211S	25.2352E	1306	From 2005-11-08
Bosilegrad	BOSS	Serbia	42.4961N	22.4800E	446	From 2010-08-04
Boslevi	BGLV	Georgia,Georgia	42.1740N	43.1828E	1046	From 2007-10-19
Bosley Butte	KBO	Oregon,U.S.A.	42.2123N	124.2260W	1008	
Boso 1	BSO1	Honshu,Japan	34.6535N	140.9780E	-4011	From 1988-01-01
Boso 2	BSO2	Honshu,Japan	34.7513N	140.7545E	-2090	From 1988-01-01
Boso 3	BSO3	Honshu,Japan	34.8017N	140.5103E	-1898	From 1988-01-01
Boso 4	BSO4	Honshu,Japan	34.9900N	140.3380E	-658	From 1988-01-01
Bosque Alegre	BOS	Cordoba,Argentina	31.5983S	64.5458W	1200	
Bostanabad	IBST	Iran	37.7000N	46.8920E	2100	From 1995-08-01
Boston College	BCX	Massachusetts,U.S.A.	42.3350N	71.1705W	61	
Botanikuri	BTNK	Georgia,Georgia	41.6832N	44.7988E	570	From 2011-12-27
Bothatogo	UBOT	Botswana	20.5400S	22.7400E	956	From 2001-01-01 to 2100-12-31
Bothel	BBO1	Scotland,United Kingdom	54.7367N	3.2464W	209	From 1992-01-01
Botiquin	BOTV	Venezuela	10.4037N	67.2167W	2375	From 2004-04-04
Botkins High School	BHSO	Ohio,U.S.A.	40.4690N	84.1790W	304	
Botlikh	BTLR	Dagestan,Russia	42.6639N	46.2222E	870	
Botticino	BOTT	Italy	45.5494N	10.3095E	200	From 2009-10-27
Botticino Mattina	BOTM	Italy	45.5413N	10.3211E	156	From 2014-11-14
Bottle Rock Power	BRP	California,U.S.A.	38.8549N	122.7971W	905	
Bou Andas	CBND	Algeria	36.5275N	5.1255E	1575	
Bouclans	BOUC	Franche Comte	47.2469N	6.2561E	458	From 2014-11-20
Bouganvilia	BVG	Guatemala	14.1080N	90.9397W	45	From 1978-06-01 to 1987-11-09
Bougnies	BBOU	Belgium	50.3888N	3.9447E	80	From 1985-03-29
Bouhanifia	ODJA	Algeria	35.3300N	0.1500W	645	From 2004-04-01
Boujaaouane	BOJ	Morocco	32.0310N	9.0680W	300	
Boulbra	BBA	Morocco	31.9120N	9.4710W		
Boulder	BO1	Colorado,U.S.A.	40.0128N	105.2520W	1669	
Boulder	BDC	Colorado,U.S.A.	40.0050N	105.1581W	1625	
Boulder	BDW	Wyoming,U.S.A.	42.7762N	109.5680W	2190	From 1977-06-20 to 1986-07-01
Boulder	BOU	Colorado,U.S.A.	40.0083N	105.2710W	1654	From 1953-12-01 to 1968-12-31
Boulder Array	PD06	Wyoming,U.S.A.	42.7667N	109.5580W	2224	From 1986-07-18
Boulder Array Site 6	BW06	Wyoming,U.S.A.	42.7667N	109.5583W	2224	From 1986-07-18
Boulder City	BCN	Nevada,U.S.A.	35.9808N	114.8340W	776	From 1938-02-01 to 1975-06-30
Boulder Dam	BDA	Arizona,U.S.A.	36.0154N	114.7370W	237	From 1941-04-01 to 1961-12-31
Boulder Hill, Kettleman City	V05C	California,U.S.A.	35.8667N	119.9028W	118	From 2005-04-11 to 2007-12-07
Boumerdes	ABMS	Algeria	36.7500N	3.4800E	97	From 2004-05-01
Boundary Peak	BONR	Nevada,U.S.A.	37.9552N	118.3020W	2582	From 1974-07-01
Boundary Peak	BNPN	Nevada,U.S.A.	37.9885N	118.3020W	2438	
Bountiful Peak	BPU	Utah,U.S.A.	40.9542N	111.8170W	2652	From 1974-10-01 to 1975-03-31
Bourheim	BD12	Nordrhein-Westfalen,Germany	50.9020N	6.3220E	-77	From 2004-08-01 to 2008-12-04
Bourrignon	BOURR	Switzerland	47.3938N	7.2302E	860	From 1998-09-01
Bovan	BOVS	Serbia	43.6351N	21.7057E	223	From 2009-11-03
Bowen Island	BIB	British Columbia,Canada	49.4060N	123.3060W	37	From 1983-01-20
Bowen Ranch, Douglas	K23A	Wyoming,U.S.A.	42.7546N	105.6251W	1612	From 2008-11-17 to 2010-09-09
Bowen Soft Rock	BW2S	Queensland,Australia	19.9984S	148.2230E	23	From 2012-08-03
Bowe Ranch, Endee	W27A	New Mexico,U.S.A.	35.0637N	103.0627W	1233	From 2008-05-09 to 2010-03-17
Bowland	LBO	England,United Kingdom	53.9789N	2.5728W	320	From 1989-01-01
Bowling Green	BGO	Ohio,U.S.A.	41.3781N	83.6592W	212	From 1963-09-01
Bowling Green	BGKY	Kentucky,U.S.A.	37.0055N	86.5232W	240	
Bowling Green	T48A	Kentucky,U.S.A.	37.1094N	86.3943W	218	From 2011-11-19
Bowling Green State University	BGSO	Ohio,U.S.A.	41.3812N	83.6404W	208	
Bowman	F25A	South Dakota,U.S.A.	45.9256N	103.4576W	912	From 2009-07-11 to 2011-06-23
Bowman	Z57A	South Carolina,U.S.A.	33.2970N	80.7039W	81	From 2013-02-20
Bowman	BOW	South Carolina,U.S.A.	33.3736N	80.6431W	35	From 1977-10-23
Bowman Hall	BHKY	Kentucky,U.S.A.	38.0350N	84.5050W	306	
Box Canyon	BOX	Nevada,U.S.A.	39.6153N	118.1763W	1283	
Box Lake	BOXN	Northwest Territories,Canada	63.8521N	109.7169W	436	
Boyabat	BOYT	Turkey	41.4206N	34.9036E	660	From 1994-05-01
Boyabat	BYBT	Turkey	41.4685N	34.7667E	85	From 1996-10-10
Boyalica	BOY	Turkey	40.4867N	29.5573E	30	From 1994-01-01
Boyer Ranch	BYX	Nevada,U.S.A.	39.9542N	117.9178W	1128	
Bozab	IBZA	Iran	34.4696N	47.8605E	2343	From 2004-01-01
Bozburun-Marmaris	BBRN	Turkey	36.6796N	28.0587E	194	From 2013-01-16 to 2013-12-01
Bozcaada	BOZC	Turkey	39.8419N	26.0528E	202	From 2003-10-16
Bozcaada-Canakkale	BOZD	Turkey	39.8314N	26.0705E	39	From 2011-03-27
Bozeman	BZM	Montana,U.S.A.	45.6669N	111.0450W	1490	From 1931-05-01 to 1968-03-31
Bozeman	BZE	Montana,U.S.A.	45.8060N	110.9330W	244	From 1974-01-01 to 1977-05-31
Bozeman Pass	BZMT	Montana,U.S.A.	45.6482N	110.7967W	1905	
Bozeman (W)	BOZ	Montana,U.S.A.	45.5970N	111.6297W	1592	From 1999-11-13
Bozkurt	BZK	Turkey	41.9600N	34.0035E	70	From 1992-07-01
Bozova	ATAB	Turkey	37.4696N	38.2949E	551	From 2005-06-24
BOZOYUK	AUBOZ	Turkey	39.9106N	30.0325E	825	From 2010-01-27
Bozyazi-Mersin	BOZY	Turkey	36.1068N	32.9763E	9	From 2011-09-02
Braaten, Kindred	E32A	North Dakota,U.S.A.	46.5927N	97.0701W	297	From 2010-08-10 to 2012-06-08
Brabster	OBR	Scotland,United Kingdom	58.6142N	3.1623W	89	From 1995-09-21
Bracie Corner	BRCN	New York,U.S.A.	44.4275N	75.5830W	83	
Bradely Ranch, Valier	B15A	Montana,U.S.A.	48.3129N	112.5619W	1222	From 2007-09-11 to 2009-08-14
Bradley Lake	BRLK	Alaska,U.S.A.	59.7642N	150.8860W	631	From 1980-11-28
Bradley Lake NE	BRNE	Alaska,U.S.A.	59.9108N	150.6520W	1219	From 1980-10-12 to 1984-06-29
Bradley Lake NW	BRNW	Alaska,U.S.A.	59.8375N	151.1690W	582	From 1980-10-03 to 1984-06-29
Bradley Lake SE	BRSE	Alaska,U.S.A.	59.7055N	150.6710W	975	From 1980-10-10
Bradley Lake SW	BRSW	Alaska,U.S.A.	59.6410N	151.0450W	951	From 1980-10-12 to 1984-06-29
Braganca	PBRG	Portugal	41.8048N	6.7413W	691	From 1995-06-01
Braggadocio	BRGM	Missouri,U.S.A.	36.2047N	89.8585W	78	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Braida Crags	BCZ	South Island,New Zealand	46.0051S	167.8398E	120	From 1990-05-28 to 1993-07-17
Brajici-Budva	BUM	Montenegro	42.3007N	18.8936E	822	From 2003-06-02
Branch Mountain	BCH	California,U.S.A.	35.1850N	120.0840W	1140	From 1976-08-01
Brandywine Creek State Park	BWD	Delaware,U.S.A.	39.7994N	75.5767W	62	From 1985-02-01
Branistea	BRAG	Romania	45.4425N	27.8331E	63	From 2013-10-23
Brankovina	VVOS	Serbia	44.3518N	19.9047E	0	
Brasilia	BDFB	Distrito Federal,Brazil	15.6412S	48.0141W	1095	From 1993-06-01
Brasilia	BAE	Distrito Federal,Brazil	15.8411S	47.8200W	1200	From 1968-01-03 to 1970-12-21
Brasilia Array	BCS*	Distrito Federal,Brazil	15.7660S	48.0388W	1255	From 1966-11-17 to 1970-12-21
Brasilia Array Centre Point	BAO	Distrito Federal,Brazil	15.6349S	47.9915W	1211	
Brasilia Array Site E1	BAE1	Distrito Federal,Brazil	15.6426S	47.9689W	1170	
Brasilia Array Site E2	BAE2	Distrito Federal,Brazil	15.6501S	47.9469W	1110	
Brasilia Array Site E3	BAE3	Distrito Federal,Brazil	15.6569S	47.9261W	1150	
Brasilia Array Site E4	BAE4	Distrito Federal,Brazil	15.6642S	47.9031W	1258	
Brasilia Array Site E5	BAE5	Distrito Federal,Brazil	15.6725S	47.8809W	1260	
Brasilia Array Site EE	BAEE	Distrito Federal,Brazil	15.7386S	47.6200W	1200	From 1971-01-01
Brasilia Array Site S1	BAS1	Distrito Federal,Brazil	15.6561S	47.9997W	1145	
Brasilia Array Site S2	BAS2	Distrito Federal,Brazil	15.6779S	48.0070W	1060	
Brasilia Array Site S3	BAS3	Distrito Federal,Brazil	15.6986S	48.0146W	1120	
Brasilia Array Site S4	BAS4	Distrito Federal,Brazil	15.7191S	48.0223W	1140	
Brasilia Array Site S5	BAS5	Distrito Federal,Brazil	15.7420S	48.0304W	1150	
Brasilia Array Site SE	BASE	Distrito Federal,Brazil	15.9572S	48.0706W	1200	From 1971-01-01
Brasilia Array Site W1	BAW1	Distrito Federal,Brazil	15.6282S	48.0129W	1150	
Brasilia Array Site W2	BAW2	Distrito Federal,Brazil	15.6214S	48.0186W	1200	
Brasilia Array Site W3	BAW3	Distrito Federal,Brazil	15.6126S	48.0575W	1265	
Brasilia Array Site W4	BAW4	Distrito Federal,Brazil	15.6053S	48.0794W	1200	From 1971-01-01
Brasilia Array Site WE	BAWE	Distrito Federal,Brazil	15.5909S	48.1139W	1340	From 1971-01-01
BRASILIA INFRASONIC ARRAY REFERENCE POINT	I09BR	Distrito Federal,Brazil	15.6380S	48.0164W	1185	From 2001-06-20
Brasilia (W)	BDF	Distrito Federal,Brazil	15.6638S	47.9033W	1260	From 1970-12-22
Brasnorte	PAR2	Mato Grosso	12.0982S	58.3334W	374	From 2015-05-23
Brasopolis	BRAS	Minas Gerais,Brazil	22.5353S	45.5854W	1850	From 1986-03-12
Brasstown Bald	BBG	Georgia,U.S.A.	34.8740N	83.8110W	1355	From 1982-01-27 to 2008-02-13
Bratislava	BRA	Slovakia	48.1683N	17.1050E	270	
Bratislava	ZST	Slovakia	48.1961N	17.1025E	250	From 1976-07-01
Bratogost	BRY	Montenegro	42.9016N	18.5389E	1407	From 1983-12-25
Braunhartsberg	BHBD	Baden-Wurttemberg,Germany	48.2474N	9.0042E	933	From 1982-01-01
Brava--Cachaco	BCCH	Cape Verde Islands	14.8322N	24.6936W	660	
Breckenridge Mountain	WBMM	California,U.S.A.	35.4510N	118.5830W	2292	
Bredaryd	BYD	Sweden	57.0590N	13.1630E	152	From 1980-01-01 to 1991-12-31
Bredtraesk	BREU	Sweden	63.8908N	18.5777E	100	From 2000-04-28
Breisach am Rhein	BREI	Baden-Wurttemberg	48.0329N	7.5868E	200	From 2015-09-01
Breislack	LKG	Guadeloupe,France	16.0447N	61.6583W	1380	
Bremgarten	BREM	Baden-Wurttemberg,Germany	47.9111N	7.6274E	210	From 2001-01-24
Bremner River	BMRM	Alaska,U.S.A.	60.9682N	144.6030W	823	From 1979-09-12
Brentwood	TBW	England,United Kingdom	51.6549N	0.2911E	82	From 1989-01-01
Bressanone	BRES	Italy	46.6987N	11.7341E	2454	From 2002-05-01
Brest	BST	Bretagne,France	48.3020N	4.0627W	288	From 1983-03-01
Brest	NE54	Belarus	52.5680N	23.8610E	200	
Bretten	BRET	Baden-Wurttemberg,Germany	49.0132N	8.6891E	267	From 2011-10-26
Brettingsstaoir	IBRE	Iceland	66.1230N	17.9100W	41	From 2001-01-25
Brewton	BO-	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BO-AL	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BRAL	Alabama,U.S.A.	31.1687N	87.0506W	61	From 2006-07-14
Brezje pri Sen	KBZS	Slovenia	45.9400N	15.4390E	217	
Brgy, Tapao	SIPP	Philippines	17.9230N	120.4580E	56	From 2006-10-01
Briangon	OG15	Provence-Cote d'Azur,France	44.9113N	6.6487E	1985	From 1993-01-20
Briano	GRDB	Italy	45.7095N	10.6661E	997	From 2011-06-01
Bricherasio	BHB	Italy	44.8417N	7.2633E	530	From 1990-05-17 to 2009-09-30
Brid	BRIU	Ukraine	48.3380N	23.0203E	167	From 2005-05-26
Bridge Bay	YPBR	Wyoming,U.S.A.	44.5367N	110.4395W	2383	
Bridge Creek, Tuttle	W34A	Oklahoma,U.S.A.	35.2352N	97.7733W	428	From 2009-10-26 to 2011-09-06
Bridgeport	BPT	Connecticut,U.S.A.	41.2221N	73.2422W	83	From 1972-01-07 to 1977-06-10
Bridge Port	J48A	Michigan,U.S.A.	43.2986N	83.7849W	195	From 2012-10-13
Bridger	G20A	Montana,U.S.A.	45.2202N	108.2141W	1431	From 2008-08-14 to 2010-08-12
Bridgewater	E64A	Maine,U.S.A.	46.4184N	67.8285W	190	From 2013-09-18
Brienza	BRIE	Italy	40.4966N	15.6153E	980	
Brig	BRI	Switzerland	46.3153N	7.9956E	708	
Brigand Hill	TBH	Trinidad and Tobago	10.4840N	61.0670W	199	From 1978-04-11
Brigerbad	BIBA	Switzerland	46.3025N	7.9304E	660	From 2009-10-01
Brigham City	BCUT	Utah,U.S.A.	41.5123N	111.9822W	1676	
Brigham Young University	BYU	Utah,U.S.A.	40.2531N	111.6491W	1420	
Brig, Spital	SBRS	Switzerland	46.3170N	7.9814E	671	From 2012-08-27
Brijuni	BRJN	Croatia	44.9057N	13.7503E	26	From 2009-11-04
Brimhall	V20A	New Mexico,U.S.A.	35.7992N	108.4662W	1889	From 2008-02-16 to 2009-11-22
Brimstone Hill	BSK	St Kitts,Saint Kitts and Nevis	17.3470N	62.8400W	125	From 1980-07-09
Brinkman Farms, Chinook	B19A	Montana,U.S.A.	48.4551N	108.9443W	803	From 2008-09-03 to 2010-07-18
Brinnon	C04A	Washington,U.S.A.	47.7172N	122.9718W	53	From 2005-10-22 to 2008-02-18
Brione	BIE	Trentino,Italy	45.8835N	10.8738E	353	From 1981-06-15 to 1995-08-31
Briones	BRIB	California,U.S.A.	37.9189N	122.1518W	219	
Brisbane	SBRN	California,U.S.A.	37.6856N	122.4113W	-157	
Brisbane	BRS	Queensland,Australia	27.3917S	152.7750E	525	From 1963-01-01
Brisbane	BRSB	Australia	27.4781S	153.0311E	15	From 1937-09-01 to 1963-12-31
Brisbane 2 Soft	BN2S	Queensland,Australia	27.3293S	153.0477E	8	From 2009-01-01
Brisbane hardrock	BR1	Queensland,Australia	27.4306S	153.0237E	100	
Brisbane Hard Rock	BN1H	Queensland,Australia	27.4306S	153.0240E	71	From 2012-04-22
Brisbane softrock	BR2	Queensland,Australia	27.4314S	153.0693E	100	
BRISIGHELLA	BRIS	Italy	44.1499N	11.5107E	260	From 2010-05-26
Brite Ranch	MT4	Texas,U.S.A.	30.2731N	104.5700W	1469	From 1977-06-01 to 2003-01-28
Broad Law	EBL	Scotland,United Kingdom	55.7733N	3.0436W	365	From 1969-01-01
Broad Pass	BDP	Alaska,U.S.A.	63.2312N	149.2590W	709	From 1971-08-01 to 1976-09-30
Brockman Farm, Red Cloud	O32A	Nebraska,U.S.A.	40.2610N	98.2764W	579	From 2009-09-14 to 2011-08-19
Brocks Farm	BSCP	California,U.S.A.	32.7248N	115.0440W	43	
Brockton	B23A	Montana,U.S.A.	48.4643N	104.9909W	716	From 2008-09-17 to 2010-07-15
Brognaturo	ME04	Italy	38.5928N	16.3576E	907	From 2007-10-21 to 2008-06-29
Brojen	IBRJ	Iran	31.9080N	51.2600E	2354	From 1985-01-01
Broken Hill	BHA	Zambia	14.4467S	28.4683E	1206	
Bromley	BRUT	Utah,U.S.A.	40.6230N	111.8790W	1337	From 1990-08-22
Bronaber	WBR	Wales,United Kingdom	52.8560N	3.8941W	340	From 1985-01-01
Bronson	340A	Texas,U.S.A.	31.4167N	93.8896W	57	From 2010-02-19 to 2011-12-10
Bronte	231A	Texas,U.S.A.	31.9353N	100.3163W	574	From 2009-03-01 to 2011-02-10
Brookfield	BCT	Connecticut,U.S.A.	41.4933N	73.3839W	69	From 1975-06-10 to 1999-01-31
Brookside Elementary School	BRKS	Washington,U.S.A.	47.7555N	122.2884W	100	
Brooks Peninsula	BPBC	British Columbia,Canada	50.1572N	127.7710W	732	From 1991-10-01
Brookwood Res.	CBWM	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brookwood Reservoir	BKC	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brophy Road	ABRM	California,U.S.A.	39.1352N	121.4870W	24	From 1977-02-14
Brorfelde Observatory, Denmark	BFOD	Denmark	55.6200N	11.6700E	77	From 2011-12-14
Browne	BWN	Alaska,U.S.A.	64.1717N	149.4650W	365	From 1989-09-19
Brownlee Dam	BDID	Idaho,U.S.A.	44.7983N	116.8850W	1400	From 1990-07-01
Brown Mountain	BRTN	Tennessee,U.S.A.	36.3567N	82.8678W	630	From 1986-06-05
Brown Peak	BRPK	Alaska,U.S.A.	54.6455N	163.7408W	393	
Brown Place, Jackson	J17A	Wyoming,U.S.A.	43.3629N	110.7118W	1975	From 2007-10-25 to 2009-05-16
Bruarjokull	IBRU	Iceland	64.8290N	16.0880W	746	From 2004-12-29
Bruce Peninsula	BRCO	Ontario,Canada	44.2437N	81.4423W	273	From 2009-04-19
Bruguera	BRUG	Spain	42.2830N	2.1860E	1300	
Bruguera	CBRU	Spain	42.2855N	2.1801E	1327	
Brunna	FIBU	Sweden	59.9013N	17.3518E	52	
Brunswick	BRWK	Victoria,Australia	37.7608S	144.9493E	9	From 2008-09-20
Brunts Corner	BTCC	California,U.S.A.	33.0121N	115.2199W	39	
Bruntsheil	BBH	Scotland,United Kingdom	55.1333N	2.9299W	216	
Bruslee	BSLQ	Queensland,Australia	20.8670S	146.5640E	185	From 1984-03-02
Bryant	B05A	Washington,U.S.A.	48.2641N	122.0960W	154	From 2005-11-30 to 2008-02-20
Bryant College	BRYW	Connecticut,U.S.A.	41.9178N	71.5388W	380	
Bryant Ranch, Stanton	229A	Texas,U.S.A.	31.9671N	101.8107W	804	From 2009-02-09 to 2010-12-09
Bryn Du	SBD1	Wales,United Kingdom	52.9055N	3.2585W	489	From 1980-01-01
Bryson	PBYM	California,U.S.A.	35.8150N	121.0820W	335	
Bsor	BSO	Israel	31.2670N	34.4850E	140	From 1983-01-01 to 1991-12-31
Bua	MBU	Fiji	16.9728S	178.7217E	549	From 1981-11-01
Buan	KSPUA	Republic of Korea	35.7226N	126.7178E	11	From 2000-02-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Buaraba 3	WBAQ	Queensland,Australia	27.3527S	152.3082E		From 1984-07-06
Bucak	BCK	Turkey	37.4608N	30.5890E	860	From 1973-05-18
Bucaramanga	BCR	Colombia	7.0194N	73.1764W	750	From 1972-10-01 to 1980-12-31
Bucaramanga	BMG	Colombia	7.0717N	73.0753W	1000	
Buchan	BUCN	Victoria,Australia	37.5287S	148.0976E	250	
Buchan	BUV	Victoria,Australia	37.4983S	148.1680E	100	From 1964-01-01 to 1966-12-31
Buchanan	D30A	North Dakota,U.S.A.	47.1082N	98.7576W	465	From 2009-08-07 to 2011-06-25
Buchanan	BIPS	New York,U.S.A.	41.2678N	73.9473W	24	
Bucharest	BUC2	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC1	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC	Romania	44.4136N	26.0967E	82	
Bucharest-Childs Park	BAPR	Romania	44.4059N	26.1190E	103	From 2003-11-06
Bucharest-Geological Museum	BGMR	Romania	44.4553N	26.0851E	123	From 1997-11-13
Bucharest-Geotec Company	BTMR	Romania	44.4370N	26.1067E	140	From 2001-01-10
Bucharest-INCERC-borehole	BBIR	Romania	44.4411N	26.1618E	-88	From 2002-10-29 to 2008-11-28
Bucharest-INCERC-Test Bldg	RBAR	Romania	44.4409N	26.1624E	115	From 2004-05-10 to 2008-11-28
Bucharest-Old Court	BVCR	Romania	44.4301N	26.1017E	112	From 2001-01-17
Bucharest-Scientist's House	BSTR	Romania	44.4457N	26.0984E	125	From 2000-10-31
Bucharest-Stefan cel Mare Str.	BLHR	Romania	44.4525N	26.1122E	149	From 2001-05-08
Buchberg	BUB	Switzerland	47.7490N	8.6030E	740	From 1971-12-01 to 1980-11-10
Buchs, Altendorf	SBUA2	Switzerland	47.1591N	9.4710E	464	From 2011-05-01
Buchserberg Malbun	SBUB	Switzerland	47.1459N	9.4342E	1371	From 2010-08-25
Buchs, Hochschule	SBUH	Switzerland	47.1726N	9.4740E	448	From 2012-09-03
Buckhannon	BZ-WV	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhannon	Q55A	West Virginia,U.S.A.	38.9952N	80.0812W	657	From 2012-12-17
Buckhannon	BZ-	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckingham	BU-QB	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buckingham	BU-	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buck Lake	BUKO	Ontario,Canada	45.4423N	79.3989W	317	From 2009-05-19
Buckleboo	BBOO	South Australia,Australia	32.8102S	136.0588E	321	From 1995-12-08
Bucklebury West	BUW	England,United Kingdom	51.4094N	1.2244W	125	
Buck Mountain	BUCK	Oregon,U.S.A.	44.1973N	122.9862W	964	
Buckrabanyule	BUCM	Victoria,Australia	36.2384S	143.4981E	200	
Bucksport	BPM	Maine,U.S.A.	44.6317N	68.7893W	80	
Buco	VBU	Luzon,Philippines	14.0870N	120.9870E		
Bucovina Array	BURAR	Romania	47.6148N	25.2168E	1150	
Bucovina Ar. Site	BUR06	Romania	47.6169N	25.2444E	1211	
Bucovina Ar. Site	BUR03	Romania	47.6085N	25.2178E	1202	
Bucovina Ar. Site	BUR02	Romania	47.6187N	25.2209E	1142	
Bucovina Ar. Site	BUR04	Romania	47.6182N	25.2122E	1160	
Bucovina Ar. Site	BUR05	Romania	47.6326N	25.2175E	1182	
Bucovina Ar. Site	BUR07	Romania	47.6426N	25.2324E	1230	
Bucovina Ar. Site	BUR08	Romania	47.6440N	25.2002E	1214	
Bucovina Ar. Site	BUR09	Romania	47.6164N	25.1902E	1253	
Bucovina Ar. Site	BUR01	Romania	47.6147N	25.2167E	1149	
Bucures@17ti--IRSA	BUCF	Romania	44.5018N	26.1416E	83	
BUCURESTI	SGEB	Romania	44.3812N	26.1369E	80	From 2008-10-29
Bucuresti-Nicolae Titulescu	DTIR	Romania	44.4527N	26.0717E	91	From 2008-11-20
Budapest	BUD	Hungary	47.4836N	19.0239E	196	
Budderoo	BUDM	New South Wales,Australia	34.6763S	150.6707E	604	
Budock Water	CBW1	England,United Kingdom	50.1482N	5.1144W	94	From 1981-01-01
Budoia	BDO	D'Entrecasteaux Islands,Papua New Guinea	9.6789S	150.8490E	1	From 1969-07-23 to 1969-07-28
Budva	BDV	Montenegro	42.2834N	18.8279E	385	From 1983-12-25 to 2003-06-02
Buenavista	BUE	Veracruz,Mexico	19.4380N	96.5590W	200	
Buena Vista	BUEV	Costa Rica	10.7982N	85.4070W	807	From 2000-01-01
Buena Vista	BUS	Costa Rica	9.5553N	83.7583W	3487	
Buena Vista	BVA	Guatemala	14.6667N	90.6373W	2262	From 1973-03-01
Buenos Aires	EDBA	Costa Rica	9.1630N	83.2750W	401	
Buenos Aires	BAA	Buenos Aires,Argentina	34.5917S	58.4833W	25	
Buenos Aires	BUAI	Costa Rica	10.8770N	85.3320W	392	
Buenos Aires	BUAY	Trinidad and Tobago	10.1072N	61.6862W		
Buffalo	BUF	New York,U.S.A.	42.9255N	78.8528W	195	From 1912-01-01
Buffalo Canyon	BFC	Nevada,U.S.A.	38.8940N	119.6080W	1734	From 1978-01-01
Buffalo-Larkin	BFF	New York,U.S.A.	42.8475N	78.6442W	230	From 1951-03-01 to 1999-08-25
Buffalo Meadows, Empire	N06A	Nevada,U.S.A.	40.7484N	119.8346W	1341	From 2006-07-12 to 2008-04-14
Buffelsbos	BUFB	Cape Province,South Africa	34.1510S	24.7420E	109	From 2008-09-24
Buffelsfontein	BFS	Transvaal,South Africa	26.8983S	26.7850E	1310	From 1983-01-01 to 2000-09-01
Buffelsfontein	BFSD	Transvaal,South Africa	26.8650S	26.7860E	1374	From 2008-04-07
Buffer Zone	CBZL	California,U.S.A.	37.6917N	121.7160W	175	From 1989-02-07
Buga	BUGC	Colombia	3.8933N	76.2569W	1200	
Bugetsay	BUGS	Kazakhstan	50.1200N	59.1000E	280	From 1974-07-13
Buhlerhohe	BUH	Baden-Wurttemberg,Germany	48.6755N	8.2284E	750	From 1967-02-01
Buia	BUA	Italy	46.2183N	13.1233E	320	From 1977-05-06
Buia	BUII	Italy	46.2183N	13.1233E	320	From 1977-05-06
Building 67, Lawrence Berkeley Lab, Berkeley, CA	BL67	California,U.S.A.	37.8749N	122.2543W	736	From 2011-04-15 to 3000-12-31
Building 88, Lawrence Berkeley Lab, Berkeley, CA	BL88	California,U.S.A.	37.8772N	122.2543W	602	From 2011-01-25 to 3000-12-31
Buin Zahra, Qazvin	QBNZ	Iran	35.6370N	50.1947E	2092	From 2012-03-01
Bujalance, Cordoba	E022	Spain	37.9010N	4.3819W	292	From 2007-09-25 to 2009-06-24
Buka	BUKA	Bougainville,Papua New Guinea	5.3958S	154.6809E	55	From 2013-05-28
Bukene	MKRE	Tanzania,United Republic of Tanzania	4.2818S	32.9037E	1174	
Bukit Timah Dairy	BTDF	Singapore	1.3608N	103.7729E	64	
Bukoba	BKBA	Tanzania,United Republic of Tanzania	1.3643S	31.8118E	1284	
Bulawayo	BUL	Zimbabwe	20.1433S	28.6133E	1341	From 1958-01-31
Bulawayo	BLWY	Zimbabwe	20.1400S	28.6100E	1348	
Bulengo	BULE	Democratic Republic of the Congo	1.6280S	29.1380E	1480	
Bulgan	BLGM	Mongolia	48.7900N	103.5300E	1210	
Bulgheria - Camerota	BULG	Italy	40.0783N	15.3776E	815	From 2006-08-07
Bullion Camp, Hudson Bay	BULN	Nunavut,Canada	66.3971N	93.1252W	330	From 2006-08-17
Bull Mountain	BMBC	British Columbia,Canada	56.0450N	122.1310W	1100	
Bull Pasture Mountain, McDowell	R56A	Virginia,U.S.A.	38.4071N	79.4031W	902	From 2013-06-22
Bull Run Dam	BULL	Oregon,U.S.A.	45.4461N	122.1547W	222	
Bulochka	BLCS	Kamchatskaya Oblast',Russia	53.1930N	158.7940E	500	
Bulolo	BLLO	Papua New Guinea	7.2020S	146.6200E	700	From 1988-06-10
Bulukumba	BKSI	Sulawesi,Indonesia	5.3219S	120.1224E	0	From 2007-12-01
Bulusan	VBN	Luzon,Philippines	12.7320N	124.0250E		
Buluus	BLSR	Sakha,Russia	61.3600N	129.0300E	105	From 2012-03-27
Bumble Bee	BBUT	Utah,U.S.A.	40.7455N	112.0112W	1291	
Bungee Jump	BUNG	Nepal	27.8772N	85.8908E	1191	From 2001-10-13 to 2002-10-23
Bunker Hill	BKHT	Tennessee,U.S.A.	35.5320N	83.9360W	843	From 1983-11-10
Bunkhouse Ranch, Marshall	139A	Texas,U.S.A.	32.6795N	94.3927W	59	From 2010-04-30 to 2012-01-24
Bunnell	658A	Florida,U.S.A.	29.4220N	81.2578W	11	From 2012-02-07
Bunnythorpe	BUN	North Island,New Zealand	40.2850S	175.6302E	60	From 1932-10-01 to 1968-11-12
Buntu Taipa	BUNI	Sulawesi,Indonesia	3.6578S	120.3230E	240	
Bunyan	BNN	Turkey	38.8520N	35.8460E	1350	
Burakin	WA4	Western Australia,Australia	30.6019S	117.2250E	320	From 1986-04-22
BURAR	BUR33	Romania	47.6351N	25.2008E	1249	From 2008-01-11
BURAR	BUR32	Romania	47.6330N	25.1805E	1328	From 2008-01-11
Burdekin Lookout	BURD	Queensland,Australia	20.6232S	147.1218E	291	
Burdett	R31A	Kansas,U.S.A.	38.2888N	99.5271W	667	From 2009-05-17 to 2011-03-19
Burdur/Bucak-Gˆ…ndo˜du	BUCA	Turkey	37.3277N	30.5593E	812	From 2014-12-05
BURDUR-Merkez	BRDR	Turkey	37.6963N	30.0613E	935	From 2011-09-26
Bureau des Mines et l'Energie	NQBME	Haiti	18.5627N	72.2968W	84	
Burgazada	BRGZ	Turkey	40.8810N	29.0642E	86	From 2009-01-01
Burgazada-Istanbul	BRGA	Turkey	40.8846N	29.0650E	67	From 2012-09-12
Burgeitz	BGG	Rheinland-Pfalz,Germany	50.2060N	7.3372E	140	From 1977-05-02
Burj al 'Arab	HBRG	Egypt	30.5743N	29.8393E	130	
Burke	BUI	Idaho,U.S.A.	47.4650N	115.7820W	590	
Burlington	K43A	Wisconsin,U.S.A.	42.7044N	88.3320W	264	From 2011-10-17 to 2013-11-27
Burlington	BUR	Vermont,U.S.A.	44.4800N	73.1967W	100	From 1932-12-01 to 1956-12-31
Burlington	RD01	Ontario,Canada	43.4109N	79.8356W	142	
Burlington	BUO	Ontario,Canada	43.3617N	79.7450W	88	From 1979-12-12 to 1980-05-01
Burma	BURJ	Jordan	32.2418N	35.8042E	1045	From 1983-09-01
Burn	BUWY	England,United Kingdom	53.7429N	1.0665W	5	
Burnasheti	BRNG	Georgia	41.6592N	43.7490E	2019	From 2013-11-01
Burnet	434A	Texas,U.S.A.	30.8142N	98.2690W	462	From 2009-11-08 to 2011-10-03
Burnie High School	BNE	Tasmania,Australia	41.0625S	145.8653E	70	
Burns	BURN	Oregon,U.S.A.	43.5731N	119.1303W	1615	
Burnside Ranch, Stapleton	M29A	Nebraska,U.S.A.	41.4441N	100.6892W	952	From 2009-05-12 to 2011-04-07
Burnt Mountain Array Beam Reference Point	BMAR	Alaska,U.S.A.	67.4291N	144.5806W	767	From 2006-09-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Burnt Mountain Array Site 1	BM01	Alaska,U.S.A.	67.4507N	144.5273W	474	From 2006-09-11
Burnt Mountain Array Site 2	BM02	Alaska,U.S.A.	67.4297N	144.4915W	539	From 2006-09-11
Burnt Mountain Array Site 3	BM03	Alaska,U.S.A.	67.4192N	144.6071W	813	From 2006-09-11
Burnt Mountain Array Site 3	BM3	Alaska,U.S.A.	67.4192N	144.6071W	813	From 1993-07-01
Burnt Mountain Array Site 4	BM04	Alaska,U.S.A.	67.4181N	144.5583W	525	From 2006-09-11
Burnt Mountain Array Site 5	BM05	Alaska,U.S.A.	67.4291N	144.5806W	767	From 2006-09-11
Burnt Peak	BTPC	California,U.S.A.	34.6823N	118.5740W	1702	
Burrinjuck	BJEM	New South Wales,Australia	34.9505S	148.6460E	400	
Burrinjuck Dam	BJDM	New South Wales,Australia	35.0041S	148.5819E	380	
Bursa	IGD	Turkey	40.2641N	29.2015E	165	From 2007-03-29
Burton	P54A	West Virginia,U.S.A.	39.6020N	80.4796W	473	From 2013-01-27
Burton Butte	BUOR	Oregon,U.S.A.	42.2785N	122.2453W	1797	
Burton Farm, Hornbeak	U44B	Tennessee,U.S.A.	36.3391N	89.3507W	136	From 2011-08-04 to 2013-03-09
Burvik	BURU	Sweden	64.5836N	21.3769E	100	From 2000-09-01
Burwash Landing	BH-	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Burwash Landing	BH-YK	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Busan	KSBUS	Republic of Korea	35.2486N	129.1125E	92	From 2001-12-28
Busan_acc	KSBSA	Republic of Korea	35.1048N	129.0319E	0	From 2007-12-12
Busby, Falmouth	M65A	Massachusetts,U.S.A.	41.5620N	70.6466W	22	From 2012-03-30
Bush Stream	BSP	South Island,New Zealand	43.8688S	170.1043E	750	From 1975-06-18 to 1983-11-21
Bushy Park	BSZ	North Island,New Zealand	39.7970S	174.9314E	150	From 1990-06-20 to 2003-11-28
Busso	BSSO	Italy	41.5461N	14.5938E	1010	From 2005-01-17
Butare	BTR	Rwanda	2.6167S	29.7333E	1648	
Butare	AST	Rwanda	2.6167S	29.7333E	1648	
Butcher Ranch, Price	P17A	Utah,U.S.A.	39.4730N	110.7400W	1687	From 2007-07-14 to 2009-05-21
Butedale	BUTB	British Columbia,Canada	53.0630N	128.4633W	1094	From 2014-08-21
Butembo	BTC	Democratic Republic of the Congo	0.1333N	29.2667E	1720	From 1969-01-01
Butler Butte	BBOR	Oregon,U.S.A.	42.8868N	122.6796W	1671	From 1992-06-01
Butler Peak	BTL	California,U.S.A.	34.2572N	117.0030W	2526	
Butner	BUNC	North Carolina,U.S.A.	36.1764N	78.7631W	122	
Buton	BTNI	Sulawesi,Indonesia	5.0000S	122.9170E		
Butte	F15A	Montana,U.S.A.	45.8409N	112.4929W	1995	From 2006-10-27 to 2009-07-10
Butte	BUT	Montana,U.S.A.	46.0133N	112.5630W	1758	
Butte a Klehm	BKM	Vanuatu	17.6683S	168.2430E	270	
Butte Creek Rim	LBCM	California,U.S.A.	40.8368N	121.3499W	1525	
Butterfield Farm, Chambers	L31A	Nebraska,U.S.A.	42.1760N	98.8387W	670	From 2009-09-10 to 2011-08-22
Buttle Lake	BTB	British Columbia,Canada	49.4683N	125.5210W	1640	From 1984-09-01
Butuan	BUTP	Mindanao,Philippines	8.9690N	125.6210E	68	
Butuan	BTN	Mindanao,Philippines	8.9333N	125.5330E	2	From 1914-01-01 to 1943-12-31
BUYEO	KSBUY	Republic of Korea	36.2683N	126.9204E	11	From 2006-11-24
Buynaksk	BUJR	Dagestan,Russia	42.8250N	47.1083E	480	
Buyukada	BASD	Turkey	40.8637N	29.1240E	127	From 2012-05-13
Buyukada	BADT	Turkey	40.8523N	29.1175E	175	
Buyukada	BUY	Turkey	40.8523N	29.1181E	100	From 2001-03-01
Buyukada	KRGZ	Turkey	40.8421N	29.1107E	7	From 2012-05-16
Buyukada-Istanbul	BUYA	Turkey	40.8694N	29.1278E	40	From 2012-09-12
Buyukkizoglu-Ladik(Samsun)	KIZO	Turkey	40.9005N	35.9334E	940	From 2013-12-04
Buzau	BUZR	Romania	45.1503N	26.8095E	139	From 2006-07-28
Buzias	BZS	Romania	45.6167N	21.6167E	260	
Buzzard Lagoon Road	JBZM	California,U.S.A.	37.0178N	121.7860W	213	From 1975-10-07
Buzz No.'s Place	BZNA	California,U.S.A.	33.4915N	116.6670W	1301	
Byrd	BYR	Marie Byrd Land	80.0167S	119.5170W	1515	From 1957-01-01 to 1969-01-31
Byrd (S.R.I.)	BSA	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BYA	Marie Byrd Land	80.0096S	119.4810W	1453	
Byrd--Stanford Research Institute	BY1	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY2	Marie Byrd Land	80.0773S	119.6830W	1449	
Byrd--Stanford Research Institute	BY3	Marie Byrd Land	79.9456S	119.7180W	1452	
Byron Hot Springs	CBSM	California,U.S.A.	37.7968N	121.6460W	279	
Byron Hot Springs, Alameda County	CBSNC	California,U.S.A.	37.8178N	121.6413W	28	From 1982-04-20
Byron's Ledge	BYL	Hawaii,U.S.A.	19.4120N	155.2600W	1059	
Bystrovka, Novosibirskaya Oblast', Russia	BSTK	Novosibirskaya Oblast',Russia	54.5677N	82.6535E	118	From 2003-04-10
Bytom	BYT	Poland	50.3622N	18.9144E	283	From 1960-01-01 to 1972-01-01
Byxelkrok	BYXU	Sweden	57.2899N	17.0083E	10	From 2002-11-05
Byzanz	BYZN	Turkey	40.8748N	28.9735E	19	From 2006-09-28
C01	C01	Belgium	50.6700N	4.5700E	147	
C02	C02	Belgium	50.6200N	4.9800E	140	
C03	C03	Belgium	50.6800N	5.2700E	117	
C04	C04	Belgium	50.2100N	5.0000E	190	
C05	C05	Belgium	50.4800N	4.9200E	160	
C06	C06	Belgium	50.3500N	5.5700E	190	
C07	C07	Belgium	50.2400N	5.9300E	475	
C08	C08	Belgium	50.3420N	6.3130E	485	
C11	C11	Belgium	50.0400N	5.4000E	550	
C12	C12	Belgium	50.0600N	5.7900E	430	
C13	C13	Belgium	49.9700N	5.2200E	325	
C14	C14	Belgium	49.8300N	5.3800E	400	
C16	C16	Belgium	49.8000N	5.1400E	290	
C18	C18	Belgium	50.6680N	4.5080E	125	
C@19adrg	CADS	Slovenia	46.2280N	13.7369E	700	From 2003-10-01
C@19res@19njevec Ostr	CRES	Slovenia	45.8260N	15.4569E	431	
C20	C20	Luxembourg	49.8660N	5.8580E	400	
C21	C21	Luxembourg	49.8100N	6.3280E	220	
C22	C22	Luxembourg	49.8070N	6.2670E	300	
C23	C23	Luxembourg	49.5970N	6.0040E	395	
CA02	CA02	Romania	47.0110N	27.4310E	414	
CA03	CA03	Romania	46.8470N	27.2880E	229	
CA04	CA04	Romania	46.6940N	27.1250E	239	
CA05	CA05	Romania	46.4860N	26.9970E	187	
CA06	CA06	Romania	46.3150N	26.8880E	421	
CA07	CA07	Romania	46.1980N	26.7430E	276	
CA08	CA08	Romania	45.9520N	26.5720E	632	
CA09	CA09	Romania	45.8910N	26.1880E	596	
CA10	CA10	Romania	45.7600N	26.2710E	1026	
CA11	CA11	Romania	45.3550N	26.0400E	673	
CA12	CA12	Romania	45.1940N	25.8930E	447	
CA13	CA13	Romania	45.0930N	25.8490E	402	
Ca@14lilabad	GLBA	Azerbaijan	39.2420N	48.3930E	147	From 2003-08-01
CA15	CA15	Romania	44.8570N	25.6430E	226	
CA16	CA16	Romania	44.7090N	25.5080E	220	
CA17	CA17	Romania	44.4220N	25.3220E	188	
CA18	CA18	Romania	44.1840N	25.1980E	122	
CA19	CA19	Romania	44.0020N	25.0210E	101	
CA20	CA20	Romania	43.8250N	24.8380E	127	
Cabaceiras do Paraguassu - BA	NBCP0	Bahia,Brazil	12.5886S	39.1810W	225	From 2011-09-27 to 2013-02-21
Cabaceiras do Paraguassu - BA	NBCP	Bahia,Brazil	12.5937S	39.1820W	232	From 2013-02-22
Cabagna-an	VCB	Negros,Philippines	10.3620N	123.1170E	550	
Caballo Blanco	CABA	Venezuela	7.8558N	71.5022W	1600	From 1984-01-01
Cabbage Hill	CHOR	Oregon,U.S.A.	45.5908N	118.5790W	1076	
Cabia	FCAB	Italy	46.4660N	13.0370E	752	From 2011-12-18
Cabildo	CBCH	Coquimbo,Chile	32.4269S	71.0689W	175	
Cable	O50A	Ohio,U.S.A.	40.1468N	83.6199W	399	From 2012-06-15
Cabo de Gata	ACBG	Spain	36.7687N	2.1938W	64	
Cabonga Reservoir	CBRQ	Quebec,Canada	47.3091N	76.4707W	307	
Cabo Pasado	CABP	Ecuador	0.3865S	80.4287W	125	From 2009-04-08
Caborca	CBS	Sonora,Mexico	30.7283N	112.1600W	300	From 1972-07-30
Cabo Rojo, PR	CRPR	Puerto Rico	18.0064N	67.1096W	4	From 2005-03-08
Cabo S. Vicente	PSVI	Portugal	37.0232N	8.9967W	70	From 2015-02-27
Cabramurra	CAB	New South Wales,Australia	35.9267S	148.4330E	1610	From 1959-01-01 to 1972-08-09
Cabramurra	CBR	New South Wales,Australia	35.9433S	148.3930E	1537	From 1972-08-09
Cabrayil	DZB	Azerbaijan	39.4100N	47.0300E	680	From 1981-01-01 to 1993-01-01
Cabril	PCAB	Portugal	41.7102N	8.0270W	577	
Cacacuatique	CAHU	El Salvador	13.7707N	88.2110W	1682	
Cacapava Do Sul	CPSB	Rio Grande do Sul,Brazil	30.4055S	53.4395W	227	
Cache Creek	CK-BC	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cache Creek	CK-	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cachucha Ranch	CCN	New Mexico,U.S.A.	36.8333N	106.8330W		
Cack Lake	CLSB	British Columbia,Canada	52.7587N	122.5551W	792	From 2006-09-02
Caconde	CACB	Sao Paulo,Brazil	21.6802S	46.7326W	1381	From 1993-03-01
Cactus City	CTCC	California,U.S.A.	33.6552N	115.9901W	538	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cactus Flat W	WCFM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Flat West	CFWM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Peak	CTS	Nevada,U.S.A.	37.6565N	116.7251W	1877	From 1979-04-24 to 2002-10-10
Cactus Peak W	WCPM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cactus Peak West	CPTM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cadarache	CDR	Provence-Cote d'Azur,France	43.6750N	5.7669E	368	From 1962-01-10
Caddo, Fort Cobb	W33A	Oklahoma,U.S.A.	35.1518N	98.4686W	414	From 2009-10-27 to 2011-09-04
Cadiz	EXCA	Spain	36.5230N	6.2850W	57	
Cady Mountains	CAD	California,U.S.A.	34.8167N	116.3330W		
Cadyville	H59A	New York,U.S.A.	44.6455N	73.6905W	355	From 2013-08-24
Caete la Real, Malaga	E006	Spain	36.9491N	5.0446W	1039	From 2007-10-09 to 2009-06-23
Cafayete	FSA	Salta,Argentina	26.1112S	65.9792W	1655	
Cagayan de Oro	CGP	Mindanao,Philippines	8.4548N	124.6942E	50	From 1977-10-01
Cagayan Oro	OMP	Mindanao,Philippines	8.4550N	124.6940E	50	From 1977-10-01
Caggiano	CGG3	Italy	40.5420N	15.5225E	1067	
Cagliari Citta	CCI	Sardinia,Italy	39.2208N	9.1172E	50	
Cagliari Serpeddi	CA2	Sardinia,Italy	39.3622N	9.2971E	1050	From 1978-06-01
Cagliari Serpeddi	CGL	Sardinia,Italy	39.3622N	9.2972E	1050	From 1978-06-01
Cagnes-sur-Mer	CAGN	Provence-Cote d'Azur,France	43.6670N	7.1460E	96	From 2003-06-26
Caguas	CAG	Puerto Rico	18.2394N	66.0353W	350	From 1974-08-16 to 1975-07-17
Cahill	CAHL	Alaska,U.S.A.	58.0525N	155.3015W	807	From 1996-08-01
Cahill Ridge	JCHM	California,U.S.A.	37.5170N	122.3760W	323	
Cahto Peak	KCPM	California,U.S.A.	39.6863N	123.5824W	1261	From 1979-11-09
Cahuilla Valley	CAHC	California,U.S.A.	33.5037N	116.6985W	1219	
Cahul	KGL	Moldova	45.9050N	28.2010E	48	
Caicara del Orinoco	CAOV	Venezuela	7.3260N	66.3220W	72	From 2002-10-03
CAICARA DEL ORINOCO	CACV	Venezuela	7.5652N	66.5400W	43	From 2015-05-27
Caico	CAI	Rio Grande do Norte,Brazil	6.5260S	37.1380W	190	From 1983-05-31
Caiguire	CAIV	Venezuela	10.4695N	64.1731W	40	From 1993-04-01
Cairn Curran	CCRM	Victoria,Australia	36.9906S	143.9722E	230	
Cairnmuir Flats	CFC	South Island,New Zealand	45.1826S	169.2923E	576	From 1986-12-09 to 1996-04-28
Cairnmuir Mts	CMCZ	South Island,New Zealand	45.1476S	169.2751E	1039	From 1986-12-09 to 1996-04-29
Cairns Hard Rock	CN1H	Queensland,Australia	16.9110S	145.7110E	134	From 2012-01-01
Cairns-h seis/acc	CNS1	Queensland,Australia	16.9541S	145.7359E	129	
Cairns Soft Rock	CN2S	Queensland,Australia	17.0215S	145.7240E	59	From 2012-01-01
Cairns State High School	AUCSH	Queensland,Australia	16.9200S	145.7700E	17	From 2013-08-11
Cairo Montenotte	CKI	Italy	44.4197N	8.2786E	350	From 1983-10-01 to 2002-02-07
Cajamarca	PP16	Peru	7.1300S	78.5160W	2750	
Cakiroluk	DNZL	Turkey	37.6897N	29.0464E	1716	From 2002-11-06 to 2013-06-01
Calabasas	CALB	California,U.S.A.	34.1401N	118.6284W	276	From 1994-01-01 to 2002-12-31
Calabogie	G55A	Ontario,Canada	45.2532N	76.7187W	228	From 2012-11-09
Calabor	ECAL	Spain	41.9413N	6.7371W	950	
Calabrutti - M.te Cervialto	MCRV	Italy	40.7826N	15.1684E	1191	From 2005-07-10
Calachota	PP02	Peru	12.6273S	75.9783W	1655	
Calama	CAC	Antofagasta,Chile	22.4797S	69.0261W	2000	
Calar Alto	ACLR	Spain	37.1897N	2.5822W	1490	
Calaveras Res.	CALM	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calaveras Reservoir	CVR	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calcutta	CAL	West Bengal,India	22.5392N	88.3307E	6	
Caldarusani	CDB	Romania	44.6769N	26.2706E	85	From 1979-01-01 to 1999-08-25
Caldas Novas	COR2	Goias,Brazil	17.7433S	48.6892W	950	
Caldeira	CALA	Azores,Portugal	38.5814N	28.7019W	875	
Caldeiras da Ribeira Grande	PCALD	Azores,Portugal	37.7972N	25.4877W	272	From 2011-04-10
Caldera	CLD	Atacama,Chile	27.0833S	70.9333W		
Caldera	CDCH	Atacama,Chile	27.0674S	70.8215W	25	From 2004-07-30
Caldiran	CLDR	Turkey	39.1431N	43.9170E	2087	From 2004-12-16
Caldwell Ranch, Toyah	326A	Texas,U.S.A.	31.3165N	103.9786W	982	From 2008-03-19 to 2010-02-14
Calebasse	PMCB	Martinique,France	14.7968N	61.1487W	730	
Calectric	CLTC	California,U.S.A.	34.0928N	117.3169W	325	
Caledonia	S42A	Missouri,U.S.A.	37.7700N	90.7939W	315	From 2011-07-24 to 2013-04-07
Caledonia Mountain	LMN	New Brunswick,Canada	45.8520N	64.8060W	363	From 1981-10-28
Calern	CALN	Provence-Cote d'Azur,France	43.7522N	6.8894E	1430	From 1982-06-01
Calern	CALF	Provence-Cote d'Azur,France	43.7523N	6.9220E	1242	
Calero Reservoir	CB2	California,U.S.A.	37.1908N	121.7650W	230	From 1968-10-01 to 1968-10-16
Caleta Bueno	CTBN	Antofagasta,Chile	22.4550S	70.2515W	169	From 2007-11-25
Caleta Campos	CCMX	Michoacan,Mexico	18.0533N	102.7500W		
Calhoun	X51A	Georgia,U.S.A.	34.5658N	84.8574W	214	From 2012-04-05
Calhoun Falls	CHF	South Carolina,U.S.A.	34.0247N	82.5867W	152	From 1977-02-14 to 1989-04-30
CALICANTO	CLCV	Venezuela	10.2633N	67.5936W	554	From 2004-06-30
Calice al Cornoviglio	CALI	Italy	44.2413N	9.8348E	410	From 1995-04-01 to 2009-09-30
Calico Hills	CDH1	Nevada,U.S.A.	36.8631N	116.3148W	1407	From 1980-02-01 to 2002-10-10
Calico Hills	CDH5	Nevada,U.S.A.	36.8631N	116.3148W	1077	From 1980-02-01 to 2002-10-10
Caliente	CQ-NV	Nevada,U.S.A.	37.9042N	114.4708W	1804	
Calif City Airpt	CCAC	California,U.S.A.	35.1525N	118.0165W	710	
California City	CALC	California,U.S.A.	35.1035N	117.9480W	722	
California State, Hayward	CSH	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Calipatria	CLIC	California,U.S.A.	33.1408N	115.5270W	-59	
Cali,SGC	RAC02	Colombia	3.3720N	76.5300W	988	From 2011-09-25
Calistoga	CLS	California,U.S.A.	38.6367N	122.5850W	457	
Calitri	CLT3	Italy	40.9030N	15.4043E	525	
Calitri	CLTR	Italy	40.9000N	15.4408E	670	
Callahan	M02C	California,U.S.A.	41.3920N	122.8538W	960	From 2005-06-30 to 2007-11-14
Callao Caves	CVP	Luzon,Philippines	17.7030N	121.8220E	60	From 1976-05-01
Calls Hollow Road	CHRY	New York,U.S.A.	41.2081N	74.2211W	183	
Cal Nev Ari	W12A	Nevada,U.S.A.	35.3010N	114.8701W	774	From 2006-03-25 to 2008-10-14
Cal Poly Pomona	CPPC	California,U.S.A.	34.0602N	117.8090W	205	
Calstate	BAKC	California,U.S.A.	35.3444N	119.1044W	116	
Cal. St., Hayward	CSHM	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Caltabellotta	CLTB	Sicily,Italy	37.5786N	13.2156E	957	
Caltech Broad	CBCC	California,U.S.A.	34.1401N	118.1275W	239	
Caltech Cellar	CACC	California,U.S.A.	34.1368N	118.1220W	230	
Caltech--GSA	GSA	California,U.S.A.	34.1368N	118.1283W	234	
Caltech Rob'n Pit	CRPC	California,U.S.A.	34.1362N	118.1271W	233	
Calugareni	CGN	Romania	44.1667N	26.0000E	78	
Calvario	CALV	Ecuador	1.5220S	77.9088W	1180	From 1994-01-21
Calvi	CVF	Corse,France	42.5675N	8.8694E	530	From 1975-10-01 to 1989-11-13
Calviac	CAF	Midi-Pyrenees,France	44.9258N	2.0644E	630	From 1977-09-01
Calvinia	CVNA	Cape Province,South Africa	31.4822S	19.7617E	1050	From 2004-03-01
Calvinia	CVN	Cape Province,South Africa	31.4500S	19.7617E	1050	
Calvizzano	CCLV	Italy	40.9093N	14.1639E	139	From 2008-10-01
Calx Mountain	CLX	Montana,U.S.A.	48.2084N	115.1330W	1975	
Camacan, BA	CMC01	Brazil	15.3601S	39.5191W	169	From 2014-04-09
Camacho	PT10	Peru	12.0750S	76.9690W	274	From 1984-03-12
Camaiore	TCMO	Italy	43.9411N	10.3167E	41	From 2008-03-11
Cam and Jess, Hughton	140A	Louisiana,U.S.A.	32.6408N	93.5740W	56	From 2011-02-12 to 2012-11-10
Camapuan	CAMA	Mato Grosso,Brazil	19.5791S	54.1688W	482	
Camardi-Nigde	CMRD	Turkey	37.6623N	34.9902E	1234	From 2013-11-21
Camarillo Hills	CAMC	California,U.S.A.	34.2545N	119.0333W	268	
Camas Ranch	MFID	Idaho,U.S.A.	43.4151N	115.8278W	1302	
Cambria	PCBM	California,U.S.A.	35.5184N	121.0607W	164	
Cambridge	CAM	Massachusetts,U.S.A.	42.3833N	71.1167W	5	From 1908-01-01 to 1930-12-31
Cambridge Bay Array Beam Reference Point	CBAR	Northwest Territories,Canada	69.1266N	105.1120W	40	
Cambridge Bay Array Site 1	CB01	Northwest Territories,Canada	69.1760N	105.2093W		
Cambridge Bay Array Site 11	CB11	Northwest Territories,Canada	69.1509N	105.0547W		
Cambridge Bay Array Site 12	CB12	Northwest Territories,Canada	69.1371N	105.1172W		
Cambridge Bay Array Site 13	CB13	Northwest Territories,Canada	69.1183N	105.1862W		
Cambridge Bay Array Site 14	CB14	Northwest Territories,Canada	69.1305N	105.2570W		
Cambridge Bay Array Site 15	CB15	Northwest Territories,Canada	69.1426N	105.3316W		
Cambridge Bay Array Site 16	CB16	Northwest Territories,Canada	69.1722N	105.3412W		
Cambridge Bay Array Site 17	CB17	Northwest Territories,Canada	69.1991N	105.3583W		
Cambridge Bay Array Site 18	CB18	Northwest Territories,Canada	69.2125N	105.2905W		
Cambridge Bay Array Site 19	CB19	Northwest Territories,Canada	69.2322N	105.2324W		
Cambridge Bay Array Site 2	CB02	Northwest Territories,Canada	69.1939N	105.1457W		
Cambridge Bay Array Site 3	CB03	Northwest Territories,Canada	69.1620N	105.1299W		
Cambridge Bay Array Site 31	CB31	Northwest Territories,Canada	69.1266N	105.1120W		
Cambridge Bay Array Site 32	CB32	Northwest Territories,Canada	69.2420N	105.5848W		
Cambridge Bay Array Site 33	CB33	Northwest Territories,Canada	69.3894N	105.2630W		
Cambridge Bay Array Site 34	CB34	Northwest Territories,Canada	69.2688N	104.8210W		
Cambridge Bay Array Site 35	CB35	Northwest Territories,Canada	69.2628N	105.2073W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cambridge Bay Array Site 4	CB04	Northwest Territories,Canada	69.1483N	105.1999W		
Cambridge Bay Array Site 5	CB05	Northwest Territories,Canada	69.1592N	105.2594W		
Cambridge Bay Array Site 6	CB06	Northwest Territories,Canada	69.1885N	105.2779W		
Cambridge Bay Array Site 7	CB07	Northwest Territories,Canada	69.2033N	105.2156W		
Cambridge Bay Array Site 8	CB08	Northwest Territories,Canada	69.2228N	105.1513W		
Cambridge Bay Array Site 9	CB09	Northwest Territories,Canada	69.2125N	105.0797W		
Cambridge (NY)	CAMB	New York,U.S.A.	43.0488N	73.2967W	287	
Camden	249A	Alabama,U.S.A.	31.9752N	87.1225W	66	From 2012-01-21
Cameli-Denizli	CAME	Turkey	36.9435N	29.3023E	1391	From 2014-10-15
Camerino	CMR	Italy	43.1333N	13.0667E		
Camerino	CIO	Italy	43.1950N	13.1440E	956	
Camilla	353A	Georgia,U.S.A.	31.3474N	84.2172W	54	From 2012-03-09
Camiri	BS06	Bolivia	20.0393S	63.5187W	807	From 2012-06-01
Camlidere-ANKARA	CMDR	Turkey	40.4942N	32.4750E	1305	From 2011-08-05
Campagna	CMP3	Italy	40.6519N	15.0802E	958	
CAMPBELL BAY	CMBY	Andaman Islands,India	7.0109N	93.9266E	10	From 2008-02-13
Campbell Island	CBZ	Campbell Island,New Zealand	52.5508S	169.1590E	30	From 1966-12-01 to 1990-02-25
Campbellpur	CBP	Pakistan	33.7325N	72.2302E		From 1973-08-23 to 2009-09-20
Campbell River	CBB	British Columbia,Canada	50.0328N	125.3650W	317	From 1981-01-28
Camp Ben Lomond	JBLM	California,U.S.A.	37.1282N	122.1680W	792	From 1976-04-27
Camp Century	CCG	Greenland	77.1667N	61.1333W	1920	From 1962-11-30 to 1963-02-25
Camp Classen	CCOK	Oklahoma,U.S.A.	34.4577N	97.1556W	293	From 1994-08-10
Camp Creek Bald	CCNC	North Carolina,U.S.A.	36.0236N	82.7147W	1452	
Campeare	CAMV	Venezuela	10.5510N	63.3220W	1002	
Camp Elliot	CPE	California,U.S.A.	32.8889N	117.1051W	150	From 1972-11-01
Camp Elliot, Miramar	109C	California,U.S.A.	32.8889N	117.1051W	150	From 2004-05-04
Camp Garcia	CGV	Puerto Rico	18.1328N	65.3173W	130	From 1978-03-01 to 2002-10-10
Camp Murray	MURR	Washington,U.S.A.	47.1200N	122.5600W	10	
Campo	T27A	Colorado,U.S.A.	37.0614N	102.7214W	1366	From 2008-12-17 to 2010-11-08
Campo	CP-CL	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	CP-	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo Grande	CGTX	Texas,U.S.A.	31.3267N	105.7100W	1305	
Campone	CM6*	Sicily,Italy	38.2069N	15.4603E	0	From 1966-01-01 to 1967-01-01
Campora	CMPR	Italy	40.3181N	15.3030E	732	From 2005-10-13
Campos	CMPB	Brazil,Brazil	21.7840S	41.4291W	56	
Campos-RJ	CAM01	Rio de Janeiro,Brazil	21.8257S	41.6574W	31	From 2011-01-30
Campotenese	T0715	Italy	39.8384N	16.0683E	1044	From 2011-11-28 to 2999-12-31
Campotosto	CAMP	Italy	42.5358N	13.4090E	1283	From 2003-10-06
Campotto Po	CMPO	Italy	44.5808N	11.8056E	2	From 2007-02-21
Camp Pendleton	CPT	California,U.S.A.	33.3025N	117.3400W	61	From 1975-01-01
Camp Six	KSXM	California,U.S.A.	41.8308N	123.8768W	1120	
Camp Six Broadband	KSXB	California,U.S.A.	41.8304N	123.8769W	1136	
Camp Tracy	CTU	Utah,U.S.A.	40.6925N	111.7503W	1731	
Campulung	CMP	Romania	45.2683N	25.0383E	598	From 1943-03-01
Campus Universitario de Almeria	AALM	Spain	36.8300N	2.4017W	10	
Camp Williams	CWU	Utah,U.S.A.	40.4459N	112.1020W	1945	From 1974-10-01
Camsell Lake	CAMN	Northwest Territories,Canada	63.7321N	110.8989W	420	
Cana Brava	CAN3	Goias,Brazil	13.0993S	48.2898W	333	From 2008-01-01
Canada Road	AN7*	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	CDC	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	HCAM	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canadian Museum of Nature	OTNM	Ontario,Canada	45.4121N	75.6891W	72	From 2003-06-11
Canakkale	CANB	Turkey	40.0167N	27.0624E	230	From 2004-10-02
ˆanakkale/Ayvacˇ–k-Kocakˇ¶y	KOCA	Turkey	39.5022N	26.1383E	292	From 2014-12-01
CANAKKALE_Bayramic	BAYC	Turkey	39.7413N	26.5469E	349	From 2011-09-30
ˆanakkale/Eceabat-Seddulbahir	ECEA	Turkey	40.0445N	26.1742E	23	From 2014-12-01
ˆanakkale-Gˇ¶kˇ§eada	GOKA	Turkey	40.1908N	25.9077E	81	From 2014-05-25
Canale Monterano - RM	TO03	Italy	42.1280N	12.0482E	223	From 2008-05-14 to 2009-04-02
Canalobre	ACU	Spain	38.5114N	0.4106W	580	From 1985-03-01
Canan˜ia-SP	JAC01	Sao Paulo,Brazil	24.8114S	48.1024W	297	From 2011-01-30
Canarana	CNRN	Mato Grosso	13.7976S	51.9921W	278	From 2015-07-01
Canberra	CAN	Australian Capital Territory,Australia	35.3208S	148.9990E	700	From 2006-08-20
Canberra Magnetic Observatory	CNB	Australian Capital Territory,Australia	35.3150S	149.3630E	850	
Candarli	CAND	Turkey	38.9543N	26.8030E	158	From 2011-07-24
Candela	FG4	Italy	41.1319N	15.5175E	450	
Candelaria	PCAN	Azores,Portugal	38.4637N	28.4853W	400	
Candelaria	PCND	Azores,Portugal	38.4691N	28.4624W	650	From 2005-09-01
Candelaria	CANR	Nevada,U.S.A.	38.1097N	118.1932W	2015	
Candelarita	CANG	Costa Rica	9.8010N	84.3620W	294	
Candle	CDL	Alaska,U.S.A.	66.1140N	161.6570W	65	
Candoni, Negros Occidental, Philippines	CNOP	Negros	9.8277N	122.6394E	50	From 2014-04-09
Canebrake	CBKC	California,U.S.A.	32.8995N	116.2520W	414	
Cane Creek	CCAR	Arkansas,U.S.A.	33.9172N	91.7716W	72	
Canehill	V38A	Arkansas,U.S.A.	35.8626N	94.4077W	372	From 2010-06-15 to 2012-02-17
Canela	CNLB	Rio Grande do Sul,Brazil	29.3143S	50.8527W	705	
Caneva	CAE	Italy	46.0067N	12.4367E	870	From 1983-04-23
Canfield Road	NCFM	California,U.S.A.	38.3213N	122.7960W	98	From 1970-08-14
Canfranc	CANF	Spain	42.7637N	0.5175W	1205	From 2011-03-04
Canisius	CANY	New York,U.S.A.	42.9255N	78.8528W	192	From 1978-12-01 to 1982-03-18
Canisius College, New York, USA	CCNY	New York,U.S.A.	42.9273N	78.8551W	194	From 2013-12-05
Cankiri	CANT	Turkey	40.6061N	33.6196E	815	
Canlaon	VCN	Negros,Philippines	10.3970N	123.2070E	590	
Cannet Maures	CMF	Provence-Cote d'Azur,France	43.3573N	6.3895E	152	
Canning Dam	CANN	Western Australia,Australia	32.1522S	116.1277E	135	
Cannon Point	CAW	North Island,New Zealand	41.1072S	175.0665E	283	From 1976-05-11
Canoas	CDITO	Costa Rica	8.5733N	82.8727W	118	
Canossa - RE	RE02	Italy	44.5672N	10.4673E	500	From 2008-12-28 to 2009-02-12
Canovanas	CBYP	Puerto Rico	18.2716N	65.8566W	606	
Canovanas	CBYB	Puerto Rico	18.3000N	65.8000W	550	
Cantantal	ACAN	San Luis,Argentina	32.2742S	67.1885W	634	
Canterbury Laser	CRLZ	South Island,New Zealand	43.5747S	172.6232E	55	From 1996-02-22
Cantone	ATCA	Italy	43.5659N	12.2661E	687	From 2010-05-18
Cantwell	CNA	Alaska,U.S.A.	63.3964N	148.9450W	700	From 1971-08-01 to 1976-09-30
Canyon Day Junior High, Whiteriver	Y18A	Arizona,U.S.A.	33.7776N	110.0341W	1512	From 2007-04-11 to 2009-02-05
Canyon Junction	CJW	Wyoming,U.S.A.	44.7343N	110.4980W	2395	From 1974-10-01 to 1999-08-25
Canyon Junction	YPCJ	Wyoming,U.S.A.	44.7438N	110.4975W	2426	
Canyonlands National Park, Moab	R18A	Utah,U.S.A.	38.3862N	109.8942W	1828	From 2007-06-16 to 2009-03-07
Cao Bang	CBVB	Vietnam	22.6523N	106.1943E	222	From 2006-01-01
Capacho	CAPV	Venezuela	7.8650N	72.3140W	1800	From 2002-08-14
Cape Campbell	CCW	South Island,New Zealand	41.7491S	174.2172E	216	From 1981-01-16 to 2004-04-14
Cape Campbell	CMWZ	North Island,New Zealand	41.7490S	174.2139E	281	From 2003-06-15
Cape Cod National Seashore	L65A	Massachusetts,U.S.A.	42.0295N	70.0528W	50	From 2013-09-27
Cape D'Aguilar	HKCD	Hong Kong,China	22.2092N	114.2597E	40	From 1997-04-23
Cape Darby	CDY	Alaska,U.S.A.	64.3475N	162.7840W	561	
Cape Douglas	CDA	Alaska,U.S.A.	58.9553N	153.5290W	386	From 1974-01-01 to 1981-08-16
Cape Douglas	CDD	Alaska,U.S.A.	58.9298N	153.6430W	622	From 1981-08-22
Cape Frico	AR7	Costa Rica	9.8503N	85.1164W	582	From 1976-05-15 to 1999-08-25
Cape Girardeau	CGM	Missouri,U.S.A.	37.3167N	89.5333W	134	From 1938-01-01
Cape Gloucester Airport	CGA	New Britain,Papua New Guinea	5.4500S	148.4200E	15	
Cape Good Hope	CGH	Cape Province,South Africa	33.9333S	18.4833E	13	
Cape Hallett	HLL	Victoria Land	72.3139S	170.2170E	2	From 1957-04-01 to 1964-10-31
Cape Kidnappers	CKHZ	North Island,New Zealand	39.6582S	177.0777E	209	From 2007-08-29
Cape Leeuwin Hydroacoustic Site W1	H01W1	Western Australia,Australia	34.8930S	114.1540E	-2598	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W2	H01W2	Western Australia,Australia	34.8985S	114.1338E	-2662	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W3	H01W3	Western Australia,Australia	34.8832S	114.1361E	-2578	From 2010-01-24
Capelo, Faial	PCAPE	Azores	38.5968N	28.8261W	16	From 2015-05-18
Cape Reinga	CRZ	North Island,New Zealand	34.4302S	172.6799E	140	From 1967-10-09 to 1987-07-31
Cape Romanzof	CPR	Alaska,U.S.A.	61.7900N	165.9550W		
Cape Saint James	SJB	British Columbia,Canada	51.9367N	131.0144W	100	From 1982-09-17
Cape San Juan	CSJ	Puerto Rico	18.3830N	65.6180W	66	From 1975-04-01 to 1999-08-25
Cape Sarichef	CSA	Alaska,U.S.A.	54.5944N	164.8750W	152	From 1970-11-28 to 1971-05-18
Cape St.James	STJA	British Columbia,Canada	51.9372N	131.0155W	41	From 2012-11-09
Capetown	KCTM	California,U.S.A.	40.4758N	124.3360W	409	
Cape Town	CTO	Cape Province,South Africa	33.9500S	18.4500E	100	
Cape Wrath	RCR	Scotland,United Kingdom	58.6240N	4.9986W	100	From 1995-09-10
Cape Yakataga	CYK	Alaska,U.S.A.	60.0830N	142.4850W	3	From 1989-01-01
Cape Yakataga	CYT	Alaska,U.S.A.	60.0744N	142.4110W	323	From 1978-08-08 to 1980-09-22
Cap Guir	CGR	Morocco	30.6320N	9.8820W	117	From 2001-06-02
Capistrello	ACAP	Italy	41.9653N	13.3794E	657	From 2011-01-02

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Capitan	Y24A	New Mexico,U.S.A.	33.9257N	105.4361W	1827	From 2008-04-24 to 2010-03-21
Capitol Peak	CPW	Washington,U.S.A.	46.9738N	123.1360W	792	From 1970-07-29
Capodarco di Fermo	CADA	Italy	43.1942N	13.7614E	148	From 2008-12-16
Capodimonte	CAP	Italy	40.8667N	14.2500E	129	
Capo d'Orlando	MCPD	Sicily,Italy	38.1200N	14.7300E	139	From 2012-06-13
Capo Mulini Mare	SN1	Italy	37.5476N	15.3975E	-2065	From 2006-02-09
Capo Vaticano	CV6*	Sicily,Italy	38.6089N	16.8842E		From 1966-04-01 to 1966-05-01
Capo Vaticano	CVI	Italy	38.5923N	15.9038E		From 1978-04-01
Capps Glacier	CGLM	Alaska,U.S.A.	61.3077N	152.0070W	1082	
Capra Ranch	CAPCA	California,U.S.A.	33.3882N	117.1949W	285	
Caprese Michel	CRE	Italy	43.6197N	11.9508E	1170	From 1983-10-01
Capriano del Colle	LEOD	Italy	45.4582N	10.1234E	92	From 2007-07-18
Capriolo	CAPR	Italy	45.6372N	9.9345E	215	From 2006-05-31
Caprock	Z26A	New Mexico,U.S.A.	33.2716N	103.9798W	1163	From 2008-04-17 to 2010-03-05
Cap Rock	CPRX	New Mexico,U.S.A.	33.0308N	103.8670W	1356	
Cap Spartel	CPS	Morocco	35.7860N	5.9070W	355	
Captain Cook	CPH	Hawaii,U.S.A.	19.4882N	155.9180W	323	From 1973-09-20
Captain Cook Nikiski	CAPN	Alaska,U.S.A.	60.7683N	151.1539W	47	From 2013-07-01
Capurgana	CAPC	Colombia	8.6353N	77.3515W	100	
Caracas	CARV	Venezuela	10.5037N	66.9289W	1035	From 2012-07-29
Caracas	CAR	Venezuela	10.5070N	66.9280W	1035	From 1962-05-24
Carapari	BB05	Bolivia	21.8322S	63.7390W	876	From 2012-03-08
Carapelle Calvisio	RM27	Italy	42.3018N	13.6799E	947	From 2009-06-18 to 2009-08-31
Caraveli	CRV	Peru	15.7844S	73.3731W	1780	
Caravelle	CRM	Martinique,France	14.7537N	60.9155W	180	From 1973-01-01
Carbondale	S44A	Illinois,U.S.A.	37.6936N	89.2551W	155	From 2011-05-20
Carcaliu	CFR	Romania	45.1780N	28.1362E	52	From 1977-03-01
Carcanieres	CARF	Midi-Pyrenees,France	42.7160N	2.1055E	1220	From 1998-07-10
Cardinia	CDNM	Victoria,Australia	37.9462S	145.4252E	252	
Cardoso	CRDM	Italy	44.0262N	10.4818E	370	From 2006-01-01 to 2013-02-05
Cardoso	CARD	Italy	44.0261N	10.4821E	380	From 2013-02-06
Careggine (LU)	T0916	Italy	44.1246N	10.3187E	871	From 2013-06-22
Carei	CEI	Romania	47.6850N	22.4585E	125	From 1979-01-01
Carey	J14A	Idaho,U.S.A.	43.3234N	113.5178W	1649	From 2007-08-11 to 2009-06-01
Cariacou	GRCU	Grenada	12.4711N	61.4529W	240	
Cariblanco	CBLA	Costa Rica	10.2773N	84.1830W	889	
Caribou	CBM	Maine,U.S.A.	46.9325N	68.1208W	250	From 1962-10-01 to 1994-12-31
Carife	CAFE	Italy	41.0280N	15.2366E	1070	From 2005-07-10
Carira, Sergipe, Brazil	CRRB	Sergipe,Brazil	10.2505S	37.5998W	237	From 2011-05-23 to 2013-02-22
Cariri, TO, Brazil	RET3	Tocantins,Brazil	11.8685S	49.2065W	279	From 2008-07-19 to 2012-06-09
Carlentini	HCRL	Sicily,Italy	37.2830N	15.0320E	190	From 1994-05-01
Carlisle	CARL	Western Australia,Australia	31.9835S	115.9267E	2	From 2009-02-14
Carloforte	CRL	Sardinia,Italy	39.1333N	8.3167E	18	
Carlsbad	CLN	New Mexico,U.S.A.	32.4027N	103.7320W	1094	From 1974-04-05
Carlsbad	CLNB	New Mexico,U.S.A.	32.2642N	103.8790W	1045	
Carlsbad 2	CLN2	New Mexico,U.S.A.	32.3552N	103.7740W	1100	
Carlsbad 4	CLN4	New Mexico,U.S.A.	32.3533N	104.0290W	975	
Carlsbad 6	CLN6	New Mexico,U.S.A.	32.5208N	103.8790W	1100	
Carlsbad 7	CLN7	New Mexico,U.S.A.	32.4132N	103.8080W	1033	
Carlsbad E Tower	CBET	New Mexico,U.S.A.	32.4205N	103.9900W	1042	
Carlson Angus Ranch, Regent	E26A	North Dakota,U.S.A.	46.4712N	102.4621W	806	From 2009-06-11 to 2011-06-24
Carlson Farm, Erwin	H32A	South Dakota,U.S.A.	44.5041N	97.4363W	573	From 2010-07-31 to 2012-07-21
Carlson Farm, Grass Valley	G06A	Oregon,U.S.A.	45.2357N	120.6351W	780	From 2006-08-15 to 2009-01-08
Carmanah Point Lighthouse	CPLB	British Columbia,Canada	48.6118N	124.7512W	40	
Carmen	CARM	Ecuador	0.2410S	79.4965W	2330	
Carmenet Vineyards, Sonoma	CVS	California,U.S.A.	38.3453N	122.4584W	295	From 1998-05-06
Carmichael	CRG	Guadeloupe,France	16.0542N	61.6592W	1370	
Carmignano	CRMI	Italy	43.7900N	10.9700E	490	From 2006-10-12
Carmo do Cajuru	CDCB	Minas Gerais,Brazil	20.2365S	44.7182W	880	From 1993-01-01
Carnagh Station	CNGZ	North Island,New Zealand	38.4837S	178.2075E	175	From 2006-07-21
Carnasaw Mountain Lookout Tower	CRO	Oklahoma,U.S.A.	34.1499N	94.5556W	302	From 1977-05-17 to 1980-07-23
Carnegie Institution of Washington	DTM	District of Columbia,U.S.A.	38.9567N	77.0644W	67	
Carney Farms, Richland	A22A	Montana,U.S.A.	48.9926N	105.9153W	861	From 2008-09-16 to 2010-07-15
Carnmenellis	CCA1	England,United Kingdom	50.1866N	5.2277W	210	From 1981-01-01
Carnsore Point	ECP	Ireland	52.1800N	6.3689W	5	From 1980-06-01 to 2002-01-06
Carolei	CARO	Italy	39.2540N	16.2190E	618	From 2006-08-07
CAROLEI	CAR1	Italy	39.2534N	16.2114E	679	From 2009-10-21
Carolina, Mapumalanga, South Africa	CRLN	South Africa	25.9949S	30.0227E	1600	From 2015-05-14
Carovilli	CRVI	Italy	41.7239N	14.3056E	910	
Carovilli	CII	Italy	41.7230N	14.3050E	910	
Carpegna, Italy	CPGN	Italy	43.8011N	12.3205E	1399	From 2008-12-10
Carpenter Ridge	PV23	Colorado,U.S.A.	38.4520N	109.0112W	2456	
Carpino	PCRP	Italy	41.8390N	15.8615E	124	From 2007-04-22
Carpinone	CPI2	Italy	41.5853N	14.3186E	750	
Carquinez Bridge	CRQB	California,U.S.A.	38.0558N	122.2249W	-63	
Carr	N24A	Colorado,U.S.A.	40.8271N	104.8824W	1695	From 2008-07-08 to 2010-05-18
Carrickbyrne, Co Wexford	IWEX	Ireland	52.3743N	6.7745W	179	
Carrickbyrne Hill	ECB	Ireland	52.3661N	6.7811W	125	From 1981-02-01
Carrier Mills	S45A	Illinois,U.S.A.	37.6774N	88.5804W	122	From 2011-05-19
Carrizo Plain	CARC	California,U.S.A.	35.3082N	119.8458W	765	
Carrizo Plain	CRR	California,U.S.A.	32.8868N	115.9692W	66	From 1973-04-06
Carrollton	Z47A	Alabama,U.S.A.	33.1990N	88.0696W	65	From 2011-04-16 to 2013-01-31
Carrot	PCA1	Scotland,United Kingdom	55.7007N	4.2550W	302	From 1983-01-01
Carruther's Hill	CASA	Cape Province,South Africa	34.6990S	19.5900E	187	
Cars	CARS	Ecuador	2.4357S	78.9482W	3940	
Carson	E27A	North Dakota,U.S.A.	46.4293N	101.5645W	738	From 2009-07-16 to 2011-06-06
Carson Hill	MCHM	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Carson Hill	CRH	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Cartagena	CART	Spain	37.5868N	1.0012W	65	
Carters Dam	CDG	Georgia,U.S.A.	34.6108N	84.6713W		From 1975-01-01
Carthage	I57A	New York,U.S.A.	43.9377N	75.6599W	321	From 2013-08-26
Carthage	CRNM	New Mexico,U.S.A.	33.9525N	106.7340W	1662	
Carthage	CTNY	New York,U.S.A.	43.9879N	75.6453W	187	From 2005-11-08 to 2007-06-27
Cartuja	CRT	Spain	37.1900N	3.5956W	774	
Caruaru	CAUB	Pernambuco,Brazil	8.1768S	36.0093W	479	From 2002-02-07
Caruaru-PE	NBCA	Pernambuco,Brazil	8.2258S	36.0130W	613	From 2011-04-09
Carupano	CRUV	Venezuela	10.6748N	63.2363W	20	From 1993-04-01
Carvers	Q09A	Nevada,U.S.A.	38.8340N	117.1816W	1703	From 2006-04-13 to 2008-03-22
Cary Ranch	CRY	California,U.S.A.	33.5654N	116.7373W	1128	
Caryville	CA-TN	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Caryville	CA-	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Casa Alexandra Alvarado - Tingo	TING	Ecuador	0.2825S	78.4486W	2453	
Casa Benchmark	MCBM	California,U.S.A.	37.6444N	118.8968W	2391	
Casablanca	COBS	Spain	40.7141N	1.3573E	-160	From 2007-11-01
Casacalenda	CSCL	Italy	41.6948N	14.8320E	905	From 2002-11-28
Casa Diablo	DBOG	California,U.S.A.	37.6528N	118.9180W	2243	From 1984-07-01
Casa Diablo Hot Springs	MCSM	California,U.S.A.	37.6549N	118.9058W	2417	From 1982-08-05
Casa Diablo Mountain	CASR	California,U.S.A.	37.5748N	118.5520W	2170	From 1980-06-01
Casa Hugo Yepes - Cumbaya	CUMY	Ecuador	0.1909S	78.4137W	2359	
Casa Juvan	CJV	California,U.S.A.	34.5305N	118.1440W	1341	
Casalattico (FR)	T0203	Italy	41.6187N	13.7213E	559	From 2009-10-08 to 2010-01-14
Casamaina	RM12	Italy	42.2620N	13.3924E	1412	From 2009-04-07 to 2009-05-25
Casa M˜¡quinas	CMAQ	Costa Rica	10.7020N	85.1943W	615	
Casa M˜¡quinas Las Pailas	APPA	Costa Rica	10.7583N	85.3590W	650	From 2000-01-01
Casa M˜¡quinas Miravalles	APGM	Costa Rica	10.7007N	85.1925W	636	From 2000-01-01
Casamari	CAS	Italy	41.6333N	13.3667E		
Casamicciola	OC9	Italy	40.7458N	13.9008E	123	From 1993-01-01
Casamicciola	CSM	Italy	40.7500N	13.9000E	123	
Casa Pap˜¡s Liliana Troncoso	LILI	Ecuador	0.2718S	78.5313W	2866	From 2010-08-20
Casa Patricio Ramon - Quito	PRAM	Ecuador	0.1449S	78.4947W	2840	
Casarave	BB07	Bolivia	14.8808S	64.4855W	170	From 2012-03-27
Casares, Malaga	E005	Spain	36.4294N	5.2660W	321	From 2008-02-14 to 2009-06-18
Casa Rosa Ranch, Morristown	Y15A	Arizona,U.S.A.	33.9535N	112.3331W	572	From 2007-03-20 to 2008-12-02
Casa Vinicio Caceres	FENY	Ecuador	0.1470S	78.4815W	2815	From 2010-08-20
Cascade Tunnel	CC-WA	Washington,U.S.A.	47.7692N	121.0836W	1036	
Cascajal	CASL	Costa Rica	9.9432N	84.6767W	24	
Cascavel-CE	NBCL	Ceara,Brazil	4.2243S	38.2910W	27	From 2011-05-26
Casco	K50A	Michigan,U.S.A.	42.7749N	82.6231W	191	From 2012-10-12
Case Bada	ECBD	Sicily,Italy	37.7795N	15.0863E	1420	From 1994-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Case del Piano	ECPN	Sicily,Italy	37.7428N	14.9885E	2985	From 1993-11-01
Case del Vescovo	ECVS	Sicily,Italy	37.7030N	15.0177E	1950	From 1994-10-01
Case Giovannangeli - (Balsorano -AQ)	T0201	Italy	41.7780N	13.5745E	570	From 2009-06-12 to 2009-07-28
Casera Mimoias	CSMI	Italy	46.5120N	12.6520E	1635	
Casera Razzo	CSZ	Italy	46.4731N	12.6172E	1825	From 1988-01-01 to 1994-10-12
Casey	CASY	Enderby Land	66.2792S	110.5364E	154	
Casey Station	CSY	Wilkes Land	66.2894S	110.5290E	56	
Case Zampini	ECZM	Sicily,Italy	37.7308N	14.9040E	1342	From 1992-12-01
Cashca Tororas, San Jose de Chimbo	JSCH	Ecuador	1.7176S	78.9780W	2901	From 2012-07-26
Cashmere	CMZ	South Island,New Zealand	43.5845S	172.6398E	255	From 1978-09-07 to 1990-05-31
Casias Ranch, Antonito	T23A	Colorado,U.S.A.	37.0361N	106.0372W	2429	From 2008-06-06 to 2010-04-13
Casigua	CSV	Venezuela	8.5040N	72.5220W	50	
Casitas Dam	BCD	California,U.S.A.	34.3687N	119.3440W	213	From 1971-11-01
Casitas Lake	BCL	California,U.S.A.	34.4125N	119.3610W	177	From 1969-11-24 to 1971-10-05
Casmilo, Condeixa	PCAS	Portugal	40.0528N	8.4983W	343	From 2009-07-24
Casola in Lunigiana	TCSL	Italy	44.2000N	10.1817E	281	From 2004-05-20
Casper	K22A	Wyoming,U.S.A.	42.6507N	106.5240W	1686	From 2008-07-15
Caspian	CSN1	Iran	37.5635N	49.0950E	18	From 2015-07-13
Casr Tuba	QTBJ	Jordan	31.1200N	36.6770E		From 1990-03-24
Casr Tuba	CSTJ	Jordan	31.1200N	36.6770E	760	From 1990-03-24
Cassa de la Selva	CCAS	Spain	41.8840N	2.9053E	197	From 2004-12-01
Cassano Ionio	CSI	Italy	39.7765N	16.2894E	507	From 1979-05-01
Cassano Irpino	CSSN	Italy	40.8608N	15.0239E	690	
Cassie Pea, Portland	U48A	Tennessee,U.S.A.	36.5107N	86.5402W	268	From 2011-12-10
Casso	CSO	Italy	46.2733N	12.3239E	1070	From 1988-01-01
Cassop	LCP	England,United Kingdom	54.7368N	1.4741W	185	From 1991-01-01
Castanea	MSRU	Sicily,Italy	38.2630N	15.5090E	335	From 1993-12-01
Castelbuono	CSLB	Sicily,Italy	37.9374N	14.0579E	583	
Castel del Monte	CDT	Italy	41.0820N	16.2740E	500	
Castel Frentano	CAFR	Italy	42.2273N	14.3470E	250	From 2006-11-15
Castella	LCAM	California,U.S.A.	41.1688N	122.2728W	689	
Castellane	OG32	Rhone-Alpes,France	43.8103N	6.5593E	1130	From 1991-05-03
Castelleone	CTL8	Italy	45.2763N	9.7622E	-78	From 2009-10-13
Castellina Chianti	CSNT	Italy	43.4722N	11.2911E	573	
Castello D'Argile (BO)	T0823	Italy	44.6862N	11.2771E	13	From 2012-05-26 to 2012-09-19
Castello di San Valentino (Castellarano) - RE	RE08	Italy	44.5237N	10.6998E	301	From 2008-12-28 to 2009-02-12
Castell'Umberto	ME07	Italy	38.0813N	14.8116E	739	From 2007-11-22 to 2008-05-11
Castelmola	ECML	Sicily,Italy	37.8692N	15.2637E	810	From 1994-10-01
Castelo Branco	PCBR	Portugal	39.8403N	7.4775W	180	From 1994-05-10
Castelo Branco, Faial, Azores	PFCBR	Azores	38.5215N	28.7168W	33	From 2014-11-03
Castelpoggio (MS)	T0911	Italy	44.1117N	10.0738E	519	From 2013-06-21
Castelsaraceno	BCSR	Italy	40.1620N	15.9911E	915	From 2011-02-06
Castel Tesino	CTI	Italy	46.0481N	11.6498E	1189	
Castelvetrano	CAVT	Sicily,Italy	37.6788N	12.7556E	158	From 2000-07-01
Castelvetrano	CVT	Sicily,Italy	37.6780N	12.7920E	0	From 1986-01-01
Castiglione	ECTS	Sicily,Italy	37.8820N	15.1210E	681	From 1989-07-01
Castiglione Aldobrando (Gubbio) - PG	AT04	Italy	43.2543N	12.4505E	595	From 2010-03-31
Castiglione della Pescaia	CASP	Italy	42.7908N	10.8652E	390	From 2007-05-30
Castiglione (Tornimparte)	RM15	Italy	42.2823N	13.2452E	1223	From 2009-04-09 to 2009-05-25
Castiglion Fiorentino	CAFI	Italy	43.3292N	11.9663E	547	From 2007-09-12
Castillo	CASI	Costa Rica	10.4350N	84.7362W	559	
Castillo	CASO	Costa Rica	10.4337N	84.7342W	575	From 2000-01-01
Castillo de Giribaile, Vilches, Jaen	E032	Spain	38.1135N	3.4898W	480	From 2008-06-04 to 2008-11-14
Castleberry Farm, Seminole	128A	Texas,U.S.A.	32.6213N	102.4850W	966	From 2009-02-06 to 2010-12-06
Castle Douglas	GCD	Scotland,United Kingdom	54.8638N	3.9417W	189	From 1989-01-01
Castle Hill	CAH	New South Wales,Australia	34.6433S	149.2420E	700	From 1970-01-01
Castle Mountain	CTM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castle Mountains	CMJ	Jamaica	18.1358N	76.3727W	333	
Castle Mt.	PCAM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castlepoint	CAZ	North Island,New Zealand	40.9025S	176.2264E	6	From 1968-02-20 to 1988-11-23
Castlepoint	CPWZ	North Island,New Zealand	40.9098S	176.2016E	131	From 2009-07-07
Castle Rock	CRC	California,U.S.A.	37.2417N	122.1300W	607	From 1966-03-01 to 1977-06-01
Castle Rock	CTR	New York,U.S.A.	43.8742N	74.4600W	585	From 1971-09-01
Castle Rocks	CAST	Alaska,U.S.A.	63.4193N	152.0820W	611	
Castle Rock Springs	GCRM	California,U.S.A.	38.7732N	122.7150W	719	From 1979-05-08
Castle Valley Ranch, Emery	Q16A	Utah,U.S.A.	38.9176N	111.1716W	1912	From 2007-05-31 to 2009-12-08
Castor Lake	CTLN	Yukon Territory,Canada	64.4287N	116.0189W	552	
Castries, St. Lucia	SLCP	St Lucia	14.0093N	60.9896W	28	From 2014-10-17
CASTRO	CTRO	Chile	42.4814S	73.7814W	92	From 2008-08-12
Castrocucco	CUC	Italy	39.9931N	15.8156E	665	
Castroreale	MCSR	Sicily,Italy	38.0640N	15.2500E	1010	From 1993-12-01
Castro Verde	PCVE	Portugal	37.6320N	8.0390W	234	From 2007-12-11
Castrovirreyna	CST	Peru	13.2917S	75.3233W	3947	
Casumaru (Bondeno - FE)	T0822	Italy	44.8328N	11.3455E	6	From 2012-05-20 to 2012-11-27
Catak	CTK	Turkey	40.6900N	34.8261E	1250	From 1991-01-01
Catalca	CTTX	Turkey	41.3420N	28.3580E	378	
Catalca	CTT	Turkey	41.1473N	28.4297E	324	From 1978-08-01
Catalca	ELBA	Turkey	41.1469N	28.4307E	331	From 2005-09-20
Catalina Dam	CTD	California,U.S.A.	33.3549N	118.4444W	190	
Catalina I. Airport	CIAC	California,U.S.A.	33.4019N	118.4137W	467	
Catalina Island	CIU	California,U.S.A.	33.4458N	118.4830W	203	
Catalina Island Airport, Avalon	CIS	California,U.S.A.	33.4019N	118.4150W	477	From 1998-09-10 to 2008-07-16
Catamayo	CATE	Ecuador	3.9618S	79.3720W	1358	From 2008-12-12
Catania	CAT	Sicily,Italy	37.5142N	15.0972E	20	
Catanzaro	CATZ	Sicily,Italy	38.9000N	16.6170E		
Catapilco	CTP	Aconcagua,Chile	32.5717S	71.3117W	116	From 1970-08-01
Cataract Bedrock	CTBM	New South Wales,Australia	34.2648S	150.8107E	322	
Cataract Creek	CCAZ	Arizona,U.S.A.	35.6540N	112.2970W	1724	
Cataract Dam	CTDM	New South Wales,Australia	34.2672S	150.8023E	294	
Catarman	CNP	Samar,Philippines	12.5105N	124.6632E		From 1980-09-04
Cat Creek Ranch, Riddle	L11A	Idaho,U.S.A.	42.1669N	115.7541W	1511	From 2007-01-08 to 2008-08-14
Catelraimondo	CRM1	Italy	43.2101N	13.0580E	302	From 2011-04-07
Catenanuova	ECNV	Sicily,Italy	37.5956N	14.7125E	475	From 2007-01-30
Cat-ERZURUM	ECAT	Turkey	39.6062N	40.9742E	1910	From 2010-08-04
Catey	SNH1	Dominican Republic	19.2681N	69.7303W	2	From 2011-06-17
Catfish Pond	CNJ	New Jersey,U.S.A.	41.0358N	75.0042W	351	From 1973-02-01 to 1974-07-31
Cathedral Cave	CCM	Missouri,U.S.A.	38.0557N	91.2446W	222	From 2011-07-14
Catigliano (Citt" di Castello) - PG	AT07	Italy	43.4940N	12.0561E	442	From 2010-04-01
Catlettsburg	R52A	Kentucky,U.S.A.	38.3366N	82.6443W	300	From 2012-06-28
Catron	CATM	Missouri,U.S.A.	36.6129N	89.6472W	82	
Catuaro Arriba	CATA	Venezuela	10.6010N	63.0700W	360	
Cauayan	CAUP	Luzon,Philippines	16.9440N	121.8230E	50	
Cauldkaine Hill	ECK	Scotland,United Kingdom	55.1811N	3.1272W	336	From 1981-09-01
Caumsett State Park, Huntington	N62A	New York,U.S.A.	40.9313N	73.4677W	34	From 2013-09-09
Cauquenes	CAUQ	Maule,Chile	35.9698S	72.2275W	172	
Causey	Y27A	New Mexico,U.S.A.	33.8839N	103.1633W	1253	From 2008-04-18 to 2010-03-18
Cauta	CTAS	El Salvador	13.7489N	89.8653W	355	
Cavalese	CAV	Trentino,Italy	46.2945N	11.4619E	1074	From 1981-06-15 to 2000-12-31
Cavaso del Tomba, Italy	MTOM	Italy	45.8883N	11.8993E	897	From 2010-06-09
Cave	KCA	Kerguelen Islands,France	49.3480S	70.2180E		From 1974-02-01
Cave	LCAV	Italy	41.8162N	12.9386E	398	From 2009-11-11
Cavedale Road	NCDM	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cavedale Road	CRD	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cave del Predil	PRED	Italy	46.4428N	13.5650E	902	From 2010-07-20
Cave In Rock	CIRL	Illinois,U.S.A.	37.5119N	88.1081W	119	
Cave Junction	L02E	Oregon,U.S.A.	42.1580N	123.6026W	454	From 2012-10-10
Cave Junction	L02A	Oregon,U.S.A.	42.1560N	123.6018W	484	From 2005-12-16 to 2007-11-29
Cave Junction, OR	L02D	Oregon,U.S.A.	42.1578N	123.6031W	458	From 2009-11-08 to 2012-10-09
Cave Mountain	CAVC	California,U.S.A.	35.0523N	116.3392W	664	
Cavezzo	CAVE	Italy	44.8658N	11.0031E	23	From 2012-11-28
Caviahue	CANA	Neuquen,Argentina	37.8875S	71.0620W	1645	From 1993-11-08
Cavillon	CAVM	New South Wales,Australia	29.6478S	151.6238E	982	
Cavuskoy	CAVI	Turkey	40.2022N	29.8425E	460	From 1993-01-01
Cavuskoy	CAVTT	Turkey	40.2022N	29.8425E	460	
Cawcaw Swamp	CCS	South Carolina,U.S.A.	32.8161N	80.2553W	9	From 1976-03-31
Cayambe	CASW	Ecuador	0.0160N	78.0063W	4889	
Cayambe	CAYA	Ecuador	0.0715N	77.9901W	4143	From 1988-10-14
Cayambe Volc	ELAGU	Ecuador	0.0236S	77.9903W	4218	From 2002-12-12
Cayeli-Rize	CHAY	Turkey	41.0862N	40.7253E	72	From 2012-03-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cayeli-Rize	CHOM	Turkey	41.0970N	40.7611E	422	From 2012-03-21
Cayenne	CAY	French Guiana,France	4.9480N	52.3167W	25	From 1985-07-22
Cazenovia	CAZE	New York,U.S.A.	42.9313N	75.9200W	301	
CB02E	CB02E	Romania	45.9650N	25.5590E	427	
CB03E	CB03E	Romania	45.7940N	25.7720E	541	
CB04B	CB04B	Romania	45.6900N	26.0800E	675	
CB05A	CB05A	Romania	45.5880N	26.1470E	674	
CB05B	CB05B	Romania	45.6090N	26.1250E	668	
CB07E	CB07E	Romania	45.4830N	26.5910E	486	
CB09E	CB09E	Romania	45.3790N	26.9760E	247	
CB11E	CB11E	Romania	45.2220N	27.4270E	88	
CC01	CC01	Romania	47.0550N	25.9250E	591	
CC03E	CC03E	Romania	46.6690N	25.5510E	717	
CC05	CC05	Romania	46.2550N	25.2100E	721	
CC06A	CC06A	Romania	46.0790N	25.1480E	589	
CC06B	CC06B	Romania	46.0860N	24.9890E	602	
CC07	CC07	Romania	45.9290N	24.9260E	538	
CC08A	CC08A	Romania	45.6900N	24.7950E	687	
Cccc	CCCC	Cuba	21.2000N	77.7660W		
CD01	CD01	Romania	45.2600N	24.4250E	472	
CD04	CD04	Romania	44.8630N	24.3910E	400	
CD06	CD06	Romania	44.6420N	24.7620E	208	
CD07	CD07	Romania	44.4700N	24.4450E	167	
CD10	CD10	Romania	44.4960N	24.9600E	192	
CD11	CD11	Romania	44.2730N	24.7560E	179	
CD12	CD12	Romania	44.3080N	25.0860E	141	
CD14	CD14	Romania	44.3360N	25.6440E	126	
CD15	CD15	Romania	44.1960N	25.5010E	123	
CD16	CD16	Romania	44.0000N	25.5760E	109	
CD17	CD17	Romania	44.1710N	26.1350E	83	
CD19	CD19	Romania	44.3240N	26.4970E	96	
C.da Z Pietro	EZPO	Sicily,Italy	37.8230N	15.1068E	847	From 1994-10-01
CE01	CE01	Romania	46.3460N	26.4220E	438	
CE02	CE02	Romania	46.2130N	26.4460E	494	
CE03	CE03	Romania	46.1030N	26.8310E	370	
CE04	CE04	Romania	46.0730N	27.1300E	227	
CE05	CE05	Romania	46.0000N	26.6560E	528	
CE06	CE06	Romania	45.9890N	26.8750E	335	
CE07	CE07	Romania	45.9270N	27.0540E	314	
CE08	CE08	Romania	45.8660N	26.7280E	408	
CE09	CE09	Romania	45.7840N	26.7230E	419	
CE11	CE11	Romania	45.6760N	27.0440E	345	
CE13	CE13	Romania	46.0300N	26.0550E	625	
CE15	CE15	Romania	45.8190N	26.0060E	563	
CE16	CE16	Romania	45.6410N	25.7560E	637	
CE17	CE17	Romania	45.5120N	25.5080E	1036	
CE18	CE18	Romania	45.4370N	25.0490E	971	
CE19A	CE19A	Romania	45.1860N	25.4390E	457	
CE20	CE20	Romania	45.3040N	25.7230E	417	
CE21	CE21	Romania	45.4910N	25.9450E	1361	
CE22	CE22	Romania	45.5620N	26.8670E	362	
CE23	CE23	Romania	45.5200N	27.0500E	275	
CE24	CE24	Romania	45.4700N	26.7300E	386	
CE25	CE25	Romania	45.3270N	26.7370E	303	
Ceahlau	CEA	Romania	46.9758N	25.9511E	1699	From 1982-09-01 to 1989-01-01
Cebu City	CCP	Cebu,Philippines	10.3313N	123.9062E	36	
Cedar Bluff	CBKS	Kansas,U.S.A.	38.8140N	99.7374W	677	From 1994-09-01
Cedar Butte	CIB	Idaho,U.S.A.	43.4011N	112.9420W	1611	From 1979-11-18 to 1986-07-11
Cedar Butte	CBTI	Idaho,U.S.A.	43.3875N	112.9120W	1754	From 1986-07-11
Cedar City	CVH	Utah,U.S.A.	37.7151N	113.0641W	1724	From 2008-06-10
Cedar City	CCU	Utah,U.S.A.	37.6753N	113.0690W	1775	From 1968-12-01
Cedar City	CCUT	U.S.A.	37.5506N	113.3627W	2127	
Cedar City	S14A	Utah,U.S.A.	37.7601N	113.1684W	1746	From 2007-01-27 to 2008-10-08
Cedar City, Iron County	IAE	Utah,U.S.A.	37.6651N	113.0667W	1807	From 2008-07-09
Cedar City Park	CCPU	Utah,U.S.A.	37.6666N	113.0882W	1839	From 2009-09-03
Cedar Cove	CVE	Utah,U.S.A.	38.4642N	112.8520W	1890	
Cedar Creek	CDO	Oklahoma,U.S.A.	34.1904N	94.7726W	230	From 1980-08-01 to 1981-03-25
Cedar Creek Ranch, Saratoga	M22A	Wyoming,U.S.A.	41.4033N	106.5958W	2334	From 2007-11-25 to 2010-05-15
Cedaredge	CECO	Colorado,U.S.A.	38.9310N	107.9810W	1692	
Cedar Flats	CDFW	Washington,U.S.A.	46.1162N	122.0470W	780	
Cedar Hill Farm, Mount Bethel	N60A	Pennsylvania,U.S.A.	40.8704N	75.1000W	189	From 2013-06-12
Cedar Moraine	CDMR	Washington,U.S.A.	47.4222N	121.7578W	479	
Cedar Mountain	CMU	Utah,U.S.A.	39.1713N	110.6190W	2332	From 1978-06-01 to 1990-08-14
Cedars of Lebanon	CLTN	Tennessee,U.S.A.	36.0912N	86.3315W	208	
Cedar Springs	CED	California,U.S.A.	34.2772N	117.3340W	1067	From 1965-03-01 to 1967-07-31
Cedar Springs	CSP	California,U.S.A.	34.2980N	117.3583W	1239	From 1969-07-01
Cedral	CDL2	Costa Rica	10.5252N	83.6873W	51	
Cedral	CDRL	Costa Rica	10.5252N	83.6873W	51	
Cedros	CEDR	Azores,Portugal	38.6341N	28.6986W	100	From 1993-04-07
Cedros	PCED	Azores,Portugal	38.6283N	28.7017W	200	
Cedros	CDRO	Azores,Portugal	38.6292N	28.6992W	195	
Ceglie Messapica	CGL1	Italy	40.6548N	17.4762E	303	
Ceiba Bonita	SDD09	Dominican Republic	19.2533N	69.6073W	465	
CEJHS Indians, Carlisle	Q46A	Indiana,U.S.A.	39.0231N	87.3575W	164	From 2011-11-08
Celerina	SCEL	Switzerland	46.5074N	9.8552E	1718	From 2009-08-01
Celeste	CEL	Italy	38.2594N	15.8939E	690	
Celico	CELI	Italy	39.4027N	16.5088E	1289	From 2011-10-20
Cemaes, Anglesey	WPS	Wales,United Kingdom	53.4004N	4.4986W	16	From 2011-03-10
Cemisgezek	CEM	Turkey	39.0579N	38.9234E	1076	From 1973-09-10
Cenerente	CNRT	Italy	43.1508N	12.3573E	393	From 2014-04-09
Centennial Lake Park	CLPO	Ontario,Canada	45.2460N	76.9642W	272	
Centennial Mountain	CMI	Idaho,U.S.A.	44.5253N	111.6220W	2377	
Center	D27A	North Dakota,U.S.A.	47.1081N	101.5254W	685	From 2009-07-17 to 2011-06-08
Center Grove, Livingston	439A	Texas,U.S.A.	30.7937N	94.7660W	90	From 2010-04-12 to 2011-12-13
Centerville	CV-TN	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville	337A	Texas,U.S.A.	31.3159N	95.8854W	150	From 2010-02-16 to 2011-12-12
Centerville	CV-	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville Road, Mineral	CVRD	Virginia,U.S.A.	38.0686N	77.8081W	100	
Centrahoma	X36A	Oklahoma,U.S.A.	34.5704N	96.3520W	211	From 2010-04-20 to 2012-02-02
Central Fire St	CFSC	California,U.S.A.	34.1054N	117.2829W	312	
Central Michigan University	MTPM	Michigan,U.S.A.	43.5872N	84.7743W	178	
Central Minnesota Array	CM4	Minnesota,U.S.A.	45.7500N	93.1019W	298	From 1977-01-01
Central Minnesota Array	CM1	Minnesota,U.S.A.	45.9337N	93.3528W	324	From 1977-01-01
Central Minnesota Array	CM3	Minnesota,U.S.A.	45.8747N	93.0097W	294	From 1977-01-01
Central Minnesota Array	CM6	Minnesota,U.S.A.	45.8599N	93.1977W	310	From 1977-01-01
Central Minnesota Array	CM2	Minnesota,U.S.A.	45.9741N	93.1618W	323	From 1977-01-01
Central Minnesota Array	CM5	Minnesota,U.S.A.	45.7830N	93.3234W	298	From 1977-01-01
Central Park	CPNY	New York,U.S.A.	40.7912N	73.9600W	27	
Central Site	MCEM	California,U.S.A.	37.9388N	120.5293W	373	
Centro de Investigaciones Geotecnicas	CIGS	El Salvador	13.6981N	89.1733W	616	From 1991-12-01 to 2003-03-28
Cent US Eq Cons	CUET	Tennessee,U.S.A.	35.0072N	89.9756W	104	
Cerbatana	CERBA	Costa Rica	9.8282N	84.3302W	1125	
Ceres	CER	Cape Province,South Africa	33.3617S	19.2933E	472	
Cerignola FG	CAPA	Italy	41.1583N	15.8169E	156	From 2014-02-28
Cerknica	CEY	Slovenia	45.7388N	14.4267E	579	From 1975-08-15
Cernavoda	CVDA	Romania	44.3336N	28.0374E	43	From 2010-11-16
Cernavoda	CVD	Romania	44.3145N	28.0326E	82	
Cernavoda-Power Plant	CVD1	Romania	44.3207N	28.0624E	20	From 2010-06-03
Cernica	CNCR	Romania	44.4439N	26.2619E	105	From 2004-08-17
Cerqua	RM30	Italy	42.5332N	13.0931E	885	From 2009-09-17 to 2010-02-16
Cerra Azul, Caleta Web	CEAZ	Galapagos,Ecuador	0.8073S	91.4074W	667	From 2012-10-09
Cerrejon, Guajira, Colombia	CRJC	Colombia	11.0200N	72.8820W	827	From 2014-11-26
Cerre-les-Noroy	CNF	Franche Comte,France	47.5828N	6.3177E	305	
Cerreto	CERT	Italy	41.9490N	12.9820E	755	From 2003-04-23
Cerreto di Spoleto	CRSP	Italy	42.8205N	12.9172E	540	From 2014-01-02
Cerrillo	CRX	Mexico D.F.,Mexico	19.4064N	99.6800W	2997	From 1978-11-29
Cerrillos	CLLP	Puerto Rico	18.0800N	66.5767W	195	From 1991-04-01 to 1999-08-25
Cerrillos	CELP	Puerto Rico	18.0749N	66.5792W	195	
Cerro Adams	ACR	Costa Rica	8.6532N	83.1680W	500	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cerro Alto Campground	PCGM	California,U.S.A.	35.4253N	120.7390W	314	
Cerro Antonio	CANV	Venezuela	11.0390N	68.8280W	450	From 1993-04-01
CERRO ARCO	ARCO	Mendoza,Argentina	32.8415S	68.9322W	1557	From 1997-06-12
Cerro Azul	CZL	New Mexico,U.S.A.	36.2833N	105.9103W	2128	
Cerro Blanco	GYEB	Ecuador	2.1358S	80.0913W	379	From 2012-06-20
Cerro Blanco	BCO	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Blanco	RTCB	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Bola	CBX	Baja California,Mexico	32.3131N	116.6636W	1250	From 1982-01-05
Cerro Calan	CLCH	Santiago,Chile	33.3961S	70.5369W	865	
Cerro Castillo	GO09	Magallanes,Chile	51.2707S	72.3381W	372	
Cerro-Chispas-Manabi	CHIS	Ecuador	1.0493S	80.7260W	324	From 2006-11-10
Cerro Coronel	ACCO	San Juan,Argentina	30.5877S	69.0653W	2792	
Cerro de Hojas	HOJA	Ecuador	1.0505S	80.5460W	500	From 1993-01-22
Cerro de Hula	CHUH	Honduras	13.9417N	87.2333W	1720	
Cerro de Hule	HLH	Honduras	13.8375N	87.2583W	0	From 1990-07-01
Cerro del Durazano	CDN	New Mexico,U.S.A.	35.4546N	107.3480W	2591	From 1976-01-01
Cerro de Muerte	CDM	Costa Rica	9.5537N	83.7637W	3494	From 1984-03-07
Cerro de Punta	CDP	Puerto Rico	18.1751N	66.5913W	1300	From 1975-07-30
Cerro de Punta	CDPB	Puerto Rico	18.1700N	66.5900W	1300	
Cerro Diablo	CEDI	Venezuela	7.6540N	71.8850W	900	From 1984-01-01
Cerro El Oso	CEOS	Venezuela	9.0299N	68.3434W	404	From 1986-12-01
Cerro El Roble	ELRO	Santiago,Chile	32.9753S	71.0153W	2185	
Cerro Encantado	CEO	Oaxaca,Mexico	16.2333N	97.0183W	3000	
Cerro Gallo	CGAC	Costa Rica	10.0310N	84.4757W	1300	From 1996-01-01
Cerro Gallo 2	CGA2	Costa Rica	10.0162N	84.4655W	1200	
Cerro Gordo	CGO	California,U.S.A.	36.5504N	117.8029W	2795	
Cerro Gordo	CGVM	Mexico D.F.,Mexico	19.7500N	98.8293W		
Cerro Jefe	JEF	Panama	9.2188N	79.3738W	977	
Cerro Kenedy	KENC	Colombia	11.1108N	74.0477W	2560	
CERRO LA CRUZ	ACLC	La Rioja,Argentina	29.4255S	66.9520W	1650	From 1993-06-19
Cerro la Pandura	CPD	Puerto Rico	18.0368N	65.9151W	385	From 1975-07-30
Cerro Moro	ELMO	Venezuela	8.0131N	71.7169W	2100	From 1984-01-01
Cerron	CERV	Venezuela	10.3112N	70.6742W	1730	
Cerronegro	CEN	San Juan,Argentina	31.5758S	68.7542W	900	
Cerro Negro	ECEN	Ecuador	0.8238N	77.9713W	4230	From 1992-03-29
Cerro Negro	CENE	Venezuela	7.7639N	71.3228W	400	From 1984-01-01
Cerro Negro	CNGN	Nicaragua	12.5000N	86.6985W	515	
Cerro Pandura	CPDB	Puerto Rico	18.0600N	65.8600W	370	
Cerro Paranal	CPN1	Antofagasta,Chile	24.6259S	70.4040W	2600	From 2003-03-16
Cerro Prieto	CPBX	Baja California,Mexico	32.4178N	115.3040W	180	From 1981-10-02
Cerro San Cristobal	SCRT	Spain	36.6350N	6.1750W	73	
Cerro Sombrero	MG02	Magallanes	52.7808S	69.2242W	82	From 2014-12-20
Cerro Tablazo, Cundinamarca	CTAB	Colombia	5.0113N	74.2043W	3500	From 2010-11-06
Cerro Toribio	GTV	Venezuela	7.6083N	63.1017W	380	
Cerro Valdivia	RTCV	San Juan,Argentina	31.8622S	68.5402W	670	
Cerro Valdivia	VAA	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Verde	CEVE	El Salvador	13.8278N	89.6240W	2035	From 2012-07-31
Cerro Villicun	RTLL	San Juan,Argentina	31.3292S	68.4748W	690	
Cervenica-Dubnik	CRVS	Slovakia	48.9022N	21.4614E	476	
Cesaproba (Montereale)	RM10	Italy	42.5090N	13.1864E	951	From 2009-04-07 to 2010-02-15
Cescau	CESL	Aquitaine,France	43.4019N	0.5319W	220	
Cesi	CESX	Italy	42.6100N	12.5800E	380	From 2008-07-18
CESI - Serravalle di Chienti	CESI	Italy	43.0049N	12.9046E	840	From 2007-01-08
Cesky Krumlov	CKRC	Czech Republic	48.8199N	14.3095E	497	From 2013-08-01
ˆe¯me	CESE	Turkey	38.3306N	26.2996E	95	From 2011-07-26
Cessapalombo	CSP1	Italy	43.0918N	13.2048E	1188	From 2006-07-12
Cesta pri Krskem	CESS	Slovenia	45.9734N	15.4631E	382	From 1996-12-01
Cetraro	CET2	Italy	39.5288N	15.9546E	675	From 2011-12-01
Ceuta	CEU	Spain	35.8987N	5.3731W	0	
Ceuta	CEUT	Ceuta,Spain	35.8830N	5.3263W	100	
Ceuta	ECEU	Spain	35.8978N	5.3768W	278	From 2007-04-11
Cevo	CEME	Montenegro	42.5467N	18.9177E	799	From 2010-11-01
Ceyhan	CEYT	Turkey	37.0100N	35.7480E	100	
CF01	CF01	Romania	46.7700N	26.3950E	242	
CF02	CF02	Romania	46.5120N	26.6490E	88	
CF04	CF04	Romania	46.7470N	27.6600E	265	
CF05	CF05	Romania	46.3070N	27.2990E	222	
CF06	CF06	Romania	46.3120N	27.5790E	140	
CF07	CF07	Romania	46.1600N	27.6590E	130	
CF08	CF08	Romania	45.9680N	27.3820E	132	
CF09	CF09	Romania	45.8800N	27.8570E	222	
CF10	CF10	Romania	45.6760N	28.0040E	117	
CF11	CF11	Romania	45.3080N	27.8290E	60	
CF13	CF13	Romania	45.5750N	27.5430E	59	
Chaam	CHA2	Netherlands	51.5043N	4.9212E	-52	From 2011-06-09
Chaam	CHA5	Netherlands	51.5043N	4.9212E	-121	From 2011-06-09
Chaam	CHA3	Netherlands	51.5043N	4.9212E	-76	From 2011-06-09
Chaam	CHA4	Netherlands	51.5043N	4.9212E	-100	From 2011-06-09
Chaam	CHA1	Netherlands	51.5043N	4.9212E	-28	From 2011-06-09
Chabahar	CHBR	Iran	25.5950N	60.4820E	125	From 2009-10-23
Chacachacare	TCE	Trinidad and Tobago	10.6970N	61.7530W	240	
Chacalluta	AP01	Arica y Parinacota,Chile	18.3708S	70.3419W	21	From 2013-11-16
Chacarita	CCR	Buenos Aires,Argentina	34.5833S	58.4667W		
Cha da Macela	CMLA	Azores,Portugal	37.7637N	25.5243W	332	
Cha da Macela	CML	Azores,Portugal	37.7708N	25.5459W	291	From 1981-01-01
Chadas Angostura	CHCH	Santiago,Chile	33.9333S	70.6525W	680	From 1982-01-01
Chaffey Accelerograph	CHAM	New South Wales,Australia	31.3497S	151.1379E	553	
Chaffey Dam	CHFM	New South Wales,Australia	31.3265S	151.1164E	580	
Chagan-Uzun	CUR	Altayskiy Kray,Russia	50.1000N	88.3500E	1500	
Chagda	CGD	Sakha,Russia	58.7500N	130.6167E	178	
Chaguaramas	TCHG	Trinidad and Tobago	10.6800N	61.6600W	21	From 2004-07-03
Chagyl	CAGT	Turkmenistan	40.7820N	55.3860E	144	
Chaix Hills	CHX	Alaska,U.S.A.	60.0630N	141.1170W	1067	From 1974-09-04
Chaiyaphum	CHAI	Thailand	15.9018N	101.9864E	199	
Chakachamna Lake	CKL	Alaska,U.S.A.	61.1965N	152.3380W	1265	From 1989-01-01
Chakachatna North	CKN	Alaska,U.S.A.	61.2240N	152.1810W	735	From 1991-08-19
Chakachatna North Broadband	SPCN	Alaska,U.S.A.	61.2250N	152.1832W	735	
Chakrata	CKA	Himachal Pradesh,India	30.7187N	77.8659E	1990	From 2007-05-01
Chala	CLA	Peru	15.8603S	74.2433W	32	
Chala	CHAG	Georgia,Georgia	42.7279N	42.0265E	305	From 1973-01-01
Chalampe	CHAF	Alsace,France	47.8122N	7.5403E	-285	
Chalhuanca	PP08	Peru	14.2883S	73.2447W	3000	
Chalk River	CRLO	Ontario,Canada	46.0375N	77.3801W	168	
Chalk River	CKO	Ontario,Canada	45.9944N	77.4500W	191	From 1981-01-12
Chalk Rock	KCRM	California,U.S.A.	40.4263N	123.8190W	896	
Challavanipeta	CHLP	Andhra Pradesh,India	18.5058N	84.0573E	55	From 2008-09-01
Challis	H13A	Idaho,U.S.A.	44.5642N	114.2545W	1563	From 2006-12-30 to 2009-05-22
Challis	CL-	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis	CL-ID	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Chama	CNM	New Mexico,U.S.A.	36.9167N	106.5690W		
Chamberlain	CBC	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain	HCBM	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain Mountain	CHMT	Montana,U.S.A.	46.9143N	113.2520W	2077	
Chamberlain Ridge	GCBM	California,U.S.A.	39.3838N	123.5210W	560	
Chambon-Foret	CLF	Centre,France	48.0258N	2.2600E	145	
Chamela	CJM	Jalisco,Mexico	19.4994N	105.0439W	88	From 1994-03-19
Cham-Katzbach	CHKA	Bayern,Germany	49.2410N	12.6498E	276	From 2004-06-01
Champ du Feu	CDF	Alsace,France	48.4122N	7.2761E	1068	From 1972-11-22
Champion	E42A	Michigan,U.S.A.	46.4301N	87.9140W	475	From 2011-09-10 to 2013-06-09
Champorcher	CIRO	Italy	45.6019N	7.5682E	2516	From 2009-11-07
Chanaral	CAA	Atacama,Chile	26.3303S	70.6139W	2	From 1977-01-01
Chanarkot	CKP	Pakistan	34.0227N	72.7733E	1195	
Chanca	CNCB	Bolivia	16.8127S	67.9821W	4325	From 1982-01-01
Chanco	CNCO	Maule,Chile	35.7349S	72.5330W	50	From 2004-11-17
Changalane	CNG	Mozambique	26.2917S	32.1883E	100	From 1961-01-01
Changchun	HSK	Jilin,China	43.9167N	125.3000E	250	
Changchun	CNH	Jilin,China	43.8292N	125.3130E	236	From 1976-10-15 to 1999-08-25
Changchun	CN2	Jilin,China	43.8014N	125.4480E	230	From 1976-10-15
Changhua City	WCH	Taiwan region	24.0820N	120.5570E	17	From 1999-08-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
CHANGNYEONG	KSCHR	Republic of Korea	35.5440N	128.4907E	105	From 2006-12-30
Changuinola	CNI	Panama	9.4167N	82.5168W	20	From 1993-04-18
Changyeh	CYEH	Gansu,China	38.9333N	100.5833E	0	From 1955-01-01
Chania	CH01	Crete,Greece	35.5169N	24.0206E	1	From 2011-09-15
Chania	CHAN	Crete,Greece	35.5192N	24.0425E	34	From 2006-12-01
Chania	CH02	Crete,Greece	35.5144N	24.0315E	11	From 2011-09-15
Chaniotis	PLN1	Greece	39.9976N	23.5729E	17	From 2014-10-15
Chanki	CHKI	Nagaland,India	26.4292N	94.3983E	950	
Channel	CHNM	Missouri,U.S.A.	36.0419N	89.9286W	74	
Channing	V28A	Texas,U.S.A.	35.7505N	102.2243W	1163	From 2009-01-17 to 2010-11-10
Chantaburi	CHAT	Thailand	12.5167N	102.1667E	22	From 1996-05-01
Chapadao do Sul	C2SB	Mato Grosso	18.7688S	52.8377W	150	
Chapadao Do Sul	CDSB	Mato Grosso,Brazil	18.7655S	52.8393W	750	
Chaparral, Anthony	223A	New Mexico,U.S.A.	32.0062N	106.4276W	1232	From 2008-03-28 to 2010-01-16
Chaparral WMA, Artesia Wells	833A	Texas,U.S.A.	28.3236N	99.3939W	171	From 2009-12-04
Chapelcross	BCC1	Scotland,United Kingdom	55.0153N	3.2201W	138	From 1992-01-01
Chapel Hill	CEH	North Carolina,U.S.A.	35.8908N	79.0928W	152	From 1975-08-01 to 2004-03-05
Chapel Hill	CHC	North Carolina,U.S.A.	35.9028N	79.0506W	149	From 1953-01-01 to 1970-12-31
Chapleau	D47A	Ontario,Canada	47.0558N	83.1038W	498	From 2012-10-25
Chaplin	CPL	Connecticut,U.S.A.	41.7890N	72.1072W	161	From 1972-01-19 to 1974-07-23
Chapman	Q34A	Kansas,U.S.A.	38.9214N	96.9408W	378	From 2010-05-09 to 2012-03-17
Chapri	CPA	Pakistan	32.9805N	71.4237E	335	
Chaqaral	CRCH	Atacama,Chile	26.3455S	70.6214W	10	From 2004-07-30
Chara	CRS	Irkutskaya Oblast',Russia	56.9000N	118.2689E	700	
Charan	CHTH	Iran	35.9080N	51.1260E	2250	From 2005-10-01
Charjew	CHDS	Turkmenistan	39.0750N	63.5930E	190	
Charlesbourg	CHQ	Quebec,Canada	46.8897N	71.3000W	145	From 1971-11-11 to 1982-07-04
Charleston	CHRM	Missouri,U.S.A.	36.8515N	89.3621W	93	
Charleston Southern University	CSU	South Carolina,U.S.A.	32.9860N	80.0707W		
Charley	NYC	Nevada,U.S.A.	37.1550N	116.1550W	1695	From 1971-01-01 to 1973-01-31
Charlottesville	CVVA	Virginia,U.S.A.	38.0218N	78.5321W	159	
Charlottesville	CVV	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CTV	Virginia,U.S.A.	38.0326N	78.5228W	264	From 1973-07-04 to 1974-01-31
Charlottesville	CVL	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CLT	Virginia,U.S.A.	38.0333N	78.5167W	150	From 1973-01-01 to 1973-12-31
Charly	CHAR	Ecuador	0.0867S	77.6708W	3315	From 2005-06-17
Charmoille	CHMF	Franche Comte,France	47.2483N	6.6517E	854	From 2010-12-01
Charnwood Forest	CWF	England,United Kingdom	52.7383N	1.3072W	186	From 1974-10-18
Charter Oak	COKM	Missouri,U.S.A.	36.7101N	89.7262W	87	
Charters Towers	CTA	Queensland,Australia	20.0883S	146.2540E	357	From 1957-09-15
Charters Towers	CTAO	Queensland,Australia	20.0883S	146.2540E	357	From 1976-10-09
Chase Mountain	VCMM	Oregon,U.S.A.	42.0955N	121.9890W	1889	
Chase Ranch	AN6*	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	CSR	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	HCRM	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chassel	D41A	Michigan,U.S.A.	47.0605N	88.5657W	271	From 2011-09-11 to 2013-11-26
Chateau	CNZ	North Island,New Zealand	39.1982S	175.5480E	1116	From 1959-12-15 to 2006-01-04
ch^ɕteau de Saumane	SAUF	Provence-Cote d'Azur,France	43.9377N	5.1064E	230	From 2012-07-03
ch^ɕteau la Rivi^ɒre	LRVF	Aquitaine,France	44.9478N	0.3100W	75	From 2011-03-25
Chateau Observatory	COVZ	North Island,New Zealand	39.1999S	175.5424E	1069	From 1998-03-25
CHATHAM INFRASONIC ARRAY REFERENCE POINT	I56NZ	Chatham Islands,New Zealand	43.9166S	176.4834W	14	From 2004-11-09
Chatham Island	CTZ	Chatham Islands,New Zealand	43.7355S	176.6172W	99	From 2007-12-18
Chatham Islands	CIZ	Chatham Islands,New Zealand	43.9550S	176.5660W	45	From 1932-08-01 to 2003-08-15
Chatra	CHA	Nepal	26.8333N	87.1667E	161	
Chats Falls	CFO	Ontario,Canada	45.4692N	76.2292W	70	From 1977-10-06 to 1979-02-16
Chaudanne	CHDN	Provence-Cote d'Azur,France	43.8481N	6.5408E	740	From 1993-09-01
Chaumont	CHAU	New York,U.S.A.	44.1375N	76.1742W	102	
Chauvay	CHVK	Kyrgyzstan	40.1333N	72.2167E	1760	From 1978-07-01 to 2010-05-31
Chauvin	645A	Louisiana,U.S.A.	29.4573N	90.5966W	1	From 2011-03-12 to 2012-12-09
Chavriata, Kefallonia	CHV1	Greece	38.1834N	20.3818E	0	From 2014-01-28
CHBT	CHBT	Thailand	12.7526N	102.3300E	4	From 2008-10-22
Cheb	CHE	Czech Republic	50.0794N	12.3761E	430	
Chebaa	SHBL	Lebanon	33.3483N	35.7438E	1422	From 2011-10-01
Cheddleton UK	CHDUK	England,United Kingdom	53.0675N	2.0425W	151	From 2010-03-24
Cheesecote Mountain, Pomona, NY	CMNY	New York,U.S.A.	41.2039N	74.0469W	291	From 2014-08-01
Chefchaouen	CHEFC	Morocco	35.1070N	5.3400W	925	
Cheisacher	SULZ	Switzerland	47.5275N	8.1115E	670	From 2000-08-29
Chekchek	ICHK	Iran	32.2442N	54.4073E	2030	From 1998-10-01
Chekok	CKK	Alaska,U.S.A.	59.9597N	154.2330W	732	From 1972-07-29 to 1978-09-09
Chelan Butte	CBW	Washington,U.S.A.	47.8071N	120.0330W	1160	
Chelan Butte South	CBSW	Washington,U.S.A.	47.8046N	120.0410W	1073	From 1987-01-01
Cheltenham	CLH	Maryland,U.S.A.	38.7347N	76.8458W		From 1904-11-01 to 1928-12-31
Chemainus	AHCB	British Columbia,Canada	48.9325N	123.7373W	0	From 2004-04-17
Chemehuevi Mountains	CMH	California,U.S.A.	34.5530N	114.5720W	940	From 1975-02-01
Chemin du LacGrosbois, Trois-Rives	D58A	Quebec,Canada	47.0954N	72.8826W	398	From 2013-08-16
Chemin Saint Guillaume, Saint Donat	E57A	Quebec,Canada	46.4117N	74.1471W	572	From 2013-08-06
Chemin Vers le Barrage, Saint-Michel-Des-Saints	D57A	Quebec,Canada	47.0172N	73.8878W	422	From 2013-08-18
Cheneyville 1850, Columbus	T37A	Kansas,U.S.A.	37.1230N	94.9176W	256	From 2010-05-20 to 2012-03-01
Chengdu	CNU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CD2	Sichuan,China	30.9100N	103.7580E	628	
Chengdu	CDU	Sichuan,China	30.6603N	104.0110E	506	
Chengkung	CHKT	Taiwan region	23.0992N	121.3654E	33	
Chenhua	TWY	Taiwan region	25.2758N	121.5996E	20	From 1975-01-10
Chennai	MDRS	Tamil Nadu,India	13.0680N	80.2463E	15	
Cheonan	KSCEA	Republic of Korea	36.8231N	127.2575E	179	From 2004-12-10
CHEONGJU	KSCEJ	Republic of Korea	36.6351N	127.4390E	57	From 2000-11-21
Cheongsan-myeong	OKCB	Republic of Korea	36.3461N	127.7941E	61	From 2012-12-04
CHEONGSONG	KSCHS	Republic of Korea	36.3919N	129.0794E	247	From 2006-12-30
Cheorwon	KSCHW	Republic of Korea	38.1404N	127.3038E	154	From 2000-01-20 to 2002-11-28
Cheorwon	KSCWO	Republic of Korea	38.0833N	127.5167E	351	From 2003-11-30
Chepes	ACHE	La Rioja,Argentina	31.1610S	66.6637W	1470	
Chera	ECHE	Spain	39.5908N	0.9678W	643	From 1986-11-01
Cherat	CHER	Pakistan	33.8000N	71.9000E	1300	From 2011-03-15
Cherat	CEP	Pakistan	33.8235N	71.9090E	1376	
Cheremushki	CERR	Khakassia,Russia	52.8539N	91.4150E	400	
Chernabura Island	CNBA	Alaska,U.S.A.	54.8200N	159.5887W	94	From 1993-06-01
Chernivtsi	CHRU	Ukraine	48.2975N	25.9217E	240	From 1992-09-01
Chernovtsy	CRA	Ukraine	48.2833N	25.9333E	242	
Chernovtsy (B)	CRB	Ukraine	48.3000N	25.9333E		
Chernyshevskiy	YCRN	Sakha,Russia	63.0212N	112.4862E	319	From 2011-07-14
Cherokee Point, Campobello	W54A	South Carolina,U.S.A.	35.0857N	82.1859W	272	From 2013-02-15
Cherry Point	CPC	North Carolina,U.S.A.	34.9000N	76.8833W		From 1950-01-01 to 1956-12-31
Cherskiy	CES	Magadanskaya Oblast',Russia	68.7000N	161.2000E		
Chesbro Res.	JCBM	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Chesbro Res. 1	CB1	California,U.S.A.	37.1638N	121.6258W		
Chesbro Res. 3	CB3	California,U.S.A.	37.2590N	121.6735W	329	
Chesbro Res. 4	CB4	California,U.S.A.	37.3493N	121.5327W		
Chesbro Res. 5	CB5	California,U.S.A.	37.2852N	121.7725W		
Chesbro Res. 6	CB6	California,U.S.A.	37.4513N	121.7990W	240	
Chesbro Res. 8	CB8	California,U.S.A.	37.1588N	121.8470W	280	
Chesbro Reservoir	CBO	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Cheshme madani	CHMN	Iran	29.8608N	57.5396E	2923	From 2010-05-05
Cheshme Sefid, Kermanshah	KCHF	Iran	34.2750N	47.0404E	1714	
Chester	J61A	Vermont,U.S.A.	43.3462N	72.5535W	253	From 2013-09-06
Chester	O04C	California,U.S.A.	40.3200N	121.0860W	1513	From 2005-05-25 to 2007-11-27
Chesterland	M52A	Ohio,U.S.A.	41.5405N	81.3570W	382	From 2013-01-17
Chesterland	CCHE	Ohio,U.S.A.	41.5612N	81.3620W	365	
Chestnut Mountain	CMGA	Georgia,U.S.A.	34.6290N	85.0340W	478	
Cheticamp, Nova Scotia	CHEG	Nova Scotia,Canada	46.8084N	60.6745W	446	From 2005-10-19
Chet-Su	CHET	Uzbekistan	41.0600N	70.2400E	1136	
Chetwynd	CTC	British Columbia,Canada	55.6417N	121.7500W		From 1967-12-01 to 1973-04-06
Cheung Chau	CCHK	Hong Kong,China	22.2013N	114.0267E	73	
Chews Ridge	BCWM	California,U.S.A.	36.3067N	121.5660W	1518	
Cheyenne	M24A	Wyoming,U.S.A.	41.4676N	104.8248W	1816	From 2008-07-14 to 2010-05-11
Cheyenne	CY-	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyenne	CY-WY	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Chiang Mai	CHG	Thailand	18.8138N	98.9438E	416	From 1963-03-01
Chiang Mai	CMMT	Thailand	18.8128N	98.9480E	399	From 2008-12-01
Chiang Mai	CHTO	Thailand	18.8138N	98.9438E	316	From 1977-06-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chiang Mai Array Beam Reference Point	CMAR	Thailand	18.4575N	98.9429E	307	
Chiang Mai Array Site 1	CM01	Thailand	18.4205N	98.9588E	292	
Chiang Mai Array Site 10	CM10	Thailand	18.4298N	99.0019E	341	
Chiang Mai Array Site 11	CM11	Thailand	18.3756N	98.9604E	320	
Chiang Mai Array Site 12	CM12	Thailand	18.4061N	98.9254E	330	
Chiang Mai Array Site 13	CM13	Thailand	18.4211N	98.9069E	303	
Chiang Mai Array Site 14	CM14	Thailand	18.4361N	98.9136E	322	
Chiang Mai Array Site 15	CM15	Thailand	18.4524N	98.9245E	324	
Chiang Mai Array Site 16	CM16	Thailand	18.4575N	98.9429E	358	
Chiang Mai Array Site 17	CM17	Thailand	18.4577N	98.9624E	325	
Chiang Mai Array Site 18	CM18	Thailand	18.4610N	98.9830E	314	
Chiang Mai Array Site 2	CM02	Thailand	18.4344N	98.9466E	305	
Chiang Mai Array Site 3	CM03	Thailand	18.4263N	98.9762E	304	
Chiang Mai Array Site 31	CM31	Thailand	18.4575N	98.9429E	306	
Chiang Mai Array Site 32	CM32	Thailand	18.6533N	98.8469E	292	
Chiang Mai Array Site 33	CM33	Thailand	18.8177N	98.9466E	358	
Chiang Mai Array Site 34	CM34	Thailand	18.8511N	99.1498E	315	
Chiang Mai Array Site 35	CM35	Thailand	18.6781N	99.1539E	283	
Chiang Mai Array Site 36	CM36	Thailand	18.5182N	99.0954E	310	
Chiang Mai Array Site 4	CM04	Thailand	18.3997N	98.9789E	336	
Chiang Mai Array Site 5	CM05	Thailand	18.4013N	98.9451E	336	
Chiang Mai Array Site 6	CM06	Thailand	18.4156N	98.9406E	332	
Chiang Mai Array Site 7	CM07	Thailand	18.4337N	98.9304E	302	
Chiang Mai Array Site 8	CM08	Thailand	18.4453N	98.9577E	295	
Chiang Mai Array Site 9	CM09	Thailand	18.4439N	98.9908E	345	
Chiangrai	CRAI	Thailand	20.2289N	100.3734E	356	
Chiangrai	CHRT	Thailand	19.8709N	99.7827E		From 1996-07-01
Chiapa de Corzo	CZC	Chiapas,Mexico	16.7120N	93.0200W	418	
Chiapas	ZZA	Chiapas,Mexico	15.1333N	92.3167W		
Chiapas	ARL	Chiapas,Mexico	17.4120N	93.1180W		
Chiapas	LIBM	Chiapas,Mexico	17.2940N	93.0120W		
Chiapas	SIPM	Chiapas,Mexico	17.2230N	93.1570W		
Chiapas	PENM	Chiapas,Mexico	17.4360N	93.5280W		
Chiapas	UJZ	Chiapas,Mexico	15.0750N	92.0833W		
Chiapas	PORM	Chiapas,Mexico	17.1790N	93.3950W		
Chiapas	PAY	Chiapas,Mexico	17.4717N	93.4913W		
Chiapas	MARM	Chiapas,Mexico	17.2180N	92.6930W		
Chiapas	BJU	Chiapas,Mexico	16.8768N	93.1791W		
Chiapas	TANM	Chiapas,Mexico	16.9190N	93.1150W		
Chiapas	VGP	Chiapas,Mexico	17.3572N	93.6140W		
Chiautla de Tapia	CHPM	Puebla,Mexico	18.2986N	98.6132W	1030	
Chiavari	CHV	Italy	44.3153N	9.3236E		
Chiawan	TWD	Taiwan region	24.0800N	121.5960E	30	From 1972-09-25
Chiayi	CHY	Taiwan region	23.4977N	120.4240E	27	
Chibit, Altay Republic, Russia	CHBI	Altayskiy Kray,Russia	50.3132N	87.5034E	1164	From 2003-08-12
Chibotane	CBTN	Mozambique	23.8405S	32.1843E	154	
Chibougamau	CHGQ	Quebec,Canada	49.9105N	74.3748W	405	From 2007-10-11
Chicago	CGI	Illinois,U.S.A.	41.9800N	87.7183W		
Chicago	CHK	Illinois,U.S.A.	41.7889N	87.5992W	180	From 1918-01-01 to 1967-12-31
Chicago-Loyola	CHI	Illinois,U.S.A.	41.9000N	87.6333W	183	From 1912-09-01
Chichaoua	CIA	Morocco	31.5650N	8.7590W	473	
Chichibu	CHJ	Saitama,Japan	35.9917N	139.0820E	219	
Chichibu	CHJJ	Saitama,Japan	36.0483N	138.9950E	187	From 1978-01-01
Chichijima	JCJ	Bonin Islands,Japan	27.0955N	142.1846E	164	From 2008-11-28
Chichi jima	CBI	Bonin Islands,Japan	27.0897N	142.1883E	3	From 1975-01-01
Chichi jima	CBIJ	Bonin Islands,Japan	27.0957N	142.1845E	145	
Chichinautzin	CHVM	Mexico D.F.,Mexico	19.0873N	99.1473W	3213	
Chichi shima	TTZ	Bonin Islands,Japan	27.0833N	142.1830E		
Chicken	K27K	Alaska,U.S.A.	64.0292N	142.0758W	389	From 2014-06-20
Chiclayo	CHP8	Peru	6.7650S	79.8650W	60	From 1982-08-01
Chico	CCO	California,U.S.A.	39.0642N	121.0090W	60	From 1972-02-23
Chicoasen	CSN	Chiapas,Mexico	16.9690N	93.1080W	320	
Chicoasen 1	CR1	Chiapas,Mexico	17.0453N	93.1152W	1200	
Chicoasen 2	CR2	Chiapas,Mexico	16.8850N	92.9580W	1743	
Chicoasen 3	CR3	Chiapas,Mexico	16.8143N	92.9547W	1200	
Chicoasen 4	CR4	Chiapas,Mexico	16.7172N	93.0748W	900	
Chicoasen 5	CR5	Chiapas,Mexico	16.8168N	93.1188W	1300	
Chicoasen 6	CR6	Chiapas,Mexico	16.9582N	93.2260W	1700	
Chicoasen 7	CR7	Chiapas,Mexico	17.2330N	93.1700W	1750	
Chicoutimi	CIQ	Quebec,Canada	48.2723N	70.7908W	273	
Chicoutimi-Nord	CHIQ	Quebec,Canada	48.4900N	71.0100W	0	From 1984-09-21
Chidago Canyon	MCDM	California,U.S.A.	37.5480N	118.4434W	1411	
Chidliak Camp Nunavut	CDKN	Northwest Territories,Canada	64.2348N	66.3440W	65	From 2009-08-20
Chieng Khoang	CKVB	Vietnam	21.5637N	103.6875E	337	
Chieng Lao	CLVV	Vietnam	21.6130N	103.9368E	237	
Chiengmai2	CMAI	Thailand	19.9325N	99.0453E	1502	
Chiesa Nuova, Poggio Renatico (FE)	CAS08	Italy	44.7726N	11.4322E	11	From 2012-05-22
Chiesuol del Fosso FE	T0820	Italy	44.7912N	11.5732E	7	From 2012-05-20 to 2012-07-09
Chignik	CHGN	Alaska,U.S.A.	56.3014N	158.4141W	16	
Chigu Township	TSCK	Taiwan region	23.1470N	120.0860E	13	From 2002-11-06
Chihuahua	CHH	Chihuahua,Mexico	28.6367N	106.0783W	1430	
Chihuahua	CHIX	Baja California,Mexico	32.4867N	115.2418W	15	From 1987-02-01
CHI Itaipu Binacional	ITF6	Paraguay	25.1794S	54.6014W	308	From 1980-01-01
CHI Itaipu Binacional	VTF1	Parana,Brazil	25.4069S	54.4381W	259	From 1980-01-01
CHI Itaipu Binacional	ITF4	Parana,Brazil	25.3103S	54.2555W	354	From 1980-01-01
CHI Itaipu Binacional	MOND	Paraguay	25.6147S	54.6003W	177	From 1980-01-01
CHI Itaipu Binacional	ITF11	Paraguay	24.6469S	54.3886W	361	From 1980-01-01
CHI Itaipu Binacional	ITF10	Parana,Brazil	24.7942S	54.2089W	463	From 1980-01-01
Chijiwa	CJA	Nagasaki,Japan	32.7842N	130.2106E	88	
Chilao Flats	CFL	California,U.S.A.	34.3330N	118.0239W	1560	
Chilao Flat Sta	CHFC	California,U.S.A.	34.3334N	118.0259W	1594	
Chilbolton	CLB	England,United Kingdom	51.1436N	1.4328W	80	From 1976-05-01 to 1999-08-25
Childara	CHLD	Tajikistan	38.7700N	70.3000E	1700	
Childress 1	CEC	Texas,U.S.A.	34.5720N	100.3260W	548	
Childress 2	CNE	Texas,U.S.A.	34.5838N	100.3100W	555	
Childress 3	CNO	Texas,U.S.A.	34.5780N	100.3350W	562	
Childress 4	CNW	Texas,U.S.A.	34.5917N	100.3600W	540	
Childress 5	CSE	Texas,U.S.A.	34.5558N	100.3310W	521	
Childress 6	CSW	Texas,U.S.A.	34.5570N	100.3480W	546	
Childress 7	CWT	Texas,U.S.A.	34.5703N	100.3440W	549	
Childs Glacier	CSG	Alaska,U.S.A.	60.6610N	144.8550W	678	From 1984-01-01
Chilecito	CCT	La Rioja,Argentina	29.1667S	67.5000W		
Chileka	CLK	Malawi	15.6800S	34.9767E	781	
Chilgok	KSCIG	Republic of Korea	36.0386N	128.3832E	0	From 2007-12-17
Chili	H40A	Wisconsin,U.S.A.	44.6220N	90.3905W	372	From 2011-08-05 to 2013-06-08
Chilik	CHL	Kazakhstan	43.5270N	78.3740E	760	
Chillagoe	CHIL	Queensland,Australia	17.1505S	144.5306E	423	
Chillan	CCHI	Bio-Bio,Chile	36.6027S	72.0772W	123	
Chilliwack	A06A	British Columbia,Canada	49.0983N	121.4804W	576	From 2006-10-18 to 2008-05-21
Chiloquin, OR	K04D	Oregon,U.S.A.	42.6246N	121.7535W	1315	From 2009-10-13
Chilquin	K04A	Oregon,U.S.A.	42.6133N	121.7307W	1305	From 2006-05-23 to 2007-10-27
Chimachoy	CIM	Guatemala	14.5838N	90.8667W	2450	From 1975-03-01 to 1999-08-25
Chimborazo	CHI1	Ecuador	1.4187S	78.8148W	4440	From 1992-02-13 to 2002-07-01
Chimborazo	CHIM	Ecuador	1.4203S	78.8614W	4100	From 1990-01-01 to 1991-12-31
Chimborazo Volcano	PORT	Ecuador	1.4633S	78.7732W	4469	From 2007-03-22
Chimeneas	EXCH	Spain	37.1320N	3.8240W	717	
Chimeneas	ACHM	Spain	37.1050N	3.8297W	862	
Chimkent	TCH	Kazakhstan	42.3190N	69.6030E		
Chimkent	CHM	Kazakhstan	42.3190N	69.6030E	512	
Chimney Peak	WCHM	California,U.S.A.	35.8830N	118.0750W	2475	
China Gardens	WCGM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Gardens South	CGSM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Grove, San Antonio	634A	Texas,U.S.A.	29.3815N	98.3515W	188	From 2009-12-06 to 2011-10-08
China Lake	CLC	California,U.S.A.	35.8158N	117.5975W	775	From 1949-07-08
China Lake	GPO	California,U.S.A.	35.6494N	117.6619W	705	
China Lake Receiver Site	WCXM	California,U.S.A.	35.7116N	117.5945W	654	
Chinameca	UCHI	El Salvador	13.5118N	88.3490W	565	
Chinandega	CHIN	Nicaragua	12.6430N	87.0270W	300	
China Poot	CNPM	Alaska,U.S.A.	59.5258N	151.2360W	564	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chinchina	CHN	Colombia	4.9667N	75.6167W	1360	From 1949-08-01
Chingaza	CHIC	Colombia	4.6295N	73.7318W	3140	From 1994-01-01
Chingoma	CHGM	Mozambique	16.8531S	36.8383E	247	From 2010-05-25
Chin-men Tao	KNMB	Taiwan region	24.4638N	118.3884E	43	
Chino	CHNC	California,U.S.A.	33.9988N	117.6804W	208	
Chio	CHIO	Canary Islands,Spain	28.2398N	16.8162W	432	From 2004-05-27
Chios island	CHOS	Greece	38.3868N	26.0550E	842	From 2006-03-29
CHIPINGE	CHIPN	Zimbabwe	20.2334S	32.6466E	982	From 2013-02-25
Chirah Chowk	CHCP	Pakistan	33.6583N	73.2638E	579	
Chiredzi	CIR	Zimbabwe	21.0133S	31.5800E	430	
Chirikof Island	CHIA	Alaska,U.S.A.	55.8378N	155.5797W	250	
Chirikof Island	CHIR	Alaska,U.S.A.	55.8225N	155.6205W	234	
Chiripa	AR6	Costa Rica	10.4458N	84.9098W	1010	
Chiripa	CHPA	Costa Rica	10.4430N	84.9077W	1059	From 2000-01-01
Chironico	CHIR1	Switzerland	46.4198N	8.8330E	800	From 2005-12-15
Chisagues Bielsa	ECHI	Spain	42.6646N	0.1946E	1450	From 2010-12-09
Chistovodnoe	CHST	Sakhalinskaya Oblast',Russia	47.0220N	142.3080E	244	From 1990-01-09 to 1992-03-03
Chita	CIT	Chitinskaya Oblast',Russia	52.0211N	113.5519E	790	From 1970-01-01
Chita	CHTJ	Aichi,Japan	34.7303N	136.9066E	40	
Chita	CHIT	Bolivia	20.0756S	66.8851W	3862	From 1994-05-30 to 1995-05-10
CHITILA	GSMB	Romania	44.4813N	26.0273E	85	From 2008-10-30
Chitina Glacier	CTGM	Alaska,U.S.A.	60.9650N	141.3330W	1554	From 1979-09-05
Chitina, Valdez-Cordova	N25K	Alaska,U.S.A.	61.6061N	144.5982W	1087	From 2014-10-01
Chitral	CHTL	Pakistan	35.8800N	71.7800E	1494	From 2007-10-10
Chitral	CHT1	Pakistan	35.9220N	71.8440E	1576	From 2009-08-20
Chittagong	CHT	Bangladesh	22.3500N	91.8167E	35	
Chitwood Farm, Usk	B10A	Washington,U.S.A.	48.2995N	117.2252W	585	From 2006-08-30 to 2008-06-11
Chiusi della Verna (AR)	AR03	Italy	43.7681N	11.9176E	752	From 2011-05-26 to 2011-09-30
Chize	CHIF	France	46.1330N	0.4080W	62	
Chizu	CZT	Tottori,Japan	35.2695N	134.2936E	300	
Chkalov	CKLZ	Armenia	40.9350N	44.6510E	1410	
Chkalova array site	CHK8	Kazakhstan	53.6796N	70.5731E	140	From 1995-08-11
Chkalova array site	CHK7	Kazakhstan	53.6539N	70.5869E	147	From 1995-08-11
Chkalova array site	CHK5	Kazakhstan	53.6716N	70.6592E	136	From 1995-08-11
Chkalova array site	CHK4	Kazakhstan	53.6952N	70.6431E	131	From 1995-08-11
Chkalova array site	CHK6	Kazakhstan	53.6509N	70.6324E	148	From 1995-08-11
Chkalova array site	CHK9	Kazakhstan	53.6975N	70.6002E	132	From 1995-08-11
Chkalovo	CHKZ	Kazakhstan	53.6761N	70.6153E	123	From 1994-07-23
Ch'k'valeri	CHVG	Georgia,Georgia	42.7183N	42.0841E	390	
CHN6	CHN6	Taiwan region	23.7352N	120.3953E	22	From 1994-01-25 to 1997-09-30
Chocan	CHP3	Peru	5.1800S	80.9619W	200	From 1979-12-01
Chocolate Mountain	CH2	California,U.S.A.	33.2962N	115.3360W	347	From 1977-12-01 to 2008-07-06
Chocolate Mountains	COT	California,U.S.A.	33.3052N	115.3530W	294	From 1973-04-16 to 2002-12-20
Choctaw High	OK006	Oklahoma,U.S.A.	35.4780N	97.2787W	358	
Chokchoi	CKH	Sakha,Russia	57.6500N	121.7200E	240	From 1989-06-01
Cholame Creek	CCRB	California,U.S.A.	35.9572N	120.5515W	350	
Cholame Hills	PCMM	California,U.S.A.	35.8055N	120.4096W	671	
Cholame Valley	CVC	California,U.S.A.	35.8242N	120.3510W		
Choma	CHMZ	Zambia	16.8333S	27.0667E	1278	From 1987-01-01
Chonco	CNR	Nicaragua	12.6725N	87.0722W	240	From 1975-01-01
Choranche	OG13	Rhone-Alpes,France	45.0733N	5.3995E	560	From 1989-08-11
Chor-Sady	CSD	Tajikistan	38.8500N	69.7800E		
Chorzow	CHZ	Poland	50.2925N	18.9917E	316	From 1960-01-01
Chorzow	CHZP	Poland	50.2910N	18.9920E	312	From 2009-11-11
Choshi	COJ	Chiba,Japan	35.7022N	140.8550E	-42	
Chosi	CHO1	Chiba,Japan	35.7367N	140.8617E	28	From 1986-08-22 to 1986-11-08
Chosi	CHOJ	Chiba,Japan	35.7027N	140.8587E	62	From 1986-11-08
Chosi	CHO	Chiba,Japan	35.7250N	140.8433E	27	
Choutuppal	CUPL	India	17.2947N	78.9205E	370	
Chowiet Island	CHW	Alaska,U.S.A.	56.0333N	156.7120W	160	From 1974-01-01
Choya	CYA	Catamarca,Argentina	28.4417S	65.8020W	570	From 1971-02-01
Chr Bro Hi School	CBHT	Tennessee,U.S.A.	35.1326N	89.8657W	79	
Chr Cany lake	CCCA	California,U.S.A.	35.5249N	117.3645W	670	
Chrisman Ranch, Davenport	C09A	Washington,U.S.A.	47.8006N	118.2741W	495	From 2006-09-19 to 2009-01-08
Christchurch	CHR	South Island,New Zealand	43.5311S	172.6268E	8	From 1901-11-01 to 1991-09-02
Christianburg	CBT	Tennessee,U.S.A.	35.5394N	84.4206W	357	
Christianenhaus	CHRS	Thuringen,Germany	51.6084N	10.8183E	585	From 2011-10-01
Christmas Canyon	XMS	California,U.S.A.	35.5233N	117.3550W	704	
Christmas Creek	CKR	Alaska,U.S.A.	64.6680N	160.5305W	671	
Christmas Island	XMI	Christmas Island,Australia	10.4495S	105.6895E	277	From 1976-09-27
Christmas Island	XMIS	Christmas Island,Australia	10.4807S	105.6519E	243	From 2005-08-16
Christmas Valley	J06A	Oregon,U.S.A.	43.2515N	120.1528W	1407	From 2006-01-31 to 2008-04-10
Chrome Mountain	CRMT	Montana,U.S.A.	45.4558N	110.1402W	2941	
Chua Tram	CTVN	Vietnam	20.9382N	105.6888E	50	
Chuberi	CBRG	Georgia,Georgia	43.0617N	42.1768E	1148	From 1968-01-01
Chuchupate	CHP	California,U.S.A.	34.8083N	119.0120W	1590	From 1952-01-01 to 1952-11-30
Chudeng	CHUD	Xizang Zizhiqu,China	29.6981N	91.1361E	3771	From 2005-03-28
Chuian-Garon	CGT	Tajikistan	38.6500N	69.1500E	1050	From 1965-01-01 to 1993-01-01
Chulitna	CUT	Alaska,U.S.A.	62.4047N	150.2690W	168	From 1986-07-18
Chul'man	CL1S	Sakha,Russia	56.8500N	124.9000E	650	From 1962-01-01 to 1986-12-31
Chul'man	CLNS	Sakha,Russia	56.8369N	124.8931E	704	
Chumby, Stover	R39A	Missouri,U.S.A.	38.3138N	93.0383W	290	From 2010-12-08 to 2012-09-14
Chumysh	CHMS	Kazakhstan	42.9986N	74.7513E	655	
Chuncheon	KSCHC	Republic of Korea	37.7776N	127.8145E	241	
Chungju	KSCHJ	Republic of Korea	36.8729N	127.9748E	219	
Chupsang	CHUS	Xizang Zizhiqu,China	29.9970N	90.7462E	4113	From 2005-08-25
Chupungnyeong	KSCPN	Republic of Korea	36.2169N	127.9913E	242	From 2000-02-24
CHUPUNGNYEONG	KSCPR	Republic of Korea	36.2210N	127.9719E	284	From 2006-12-30
Chuquichambi	CHUQ	Bolivia	17.9467S	67.8162W	4178	From 1995-01-01 to 1995-05-06
Chur	CHU	Switzerland	46.8499N	9.5367E	630	
Church	CHB	Alaska,U.S.A.	64.2577N	149.1700W	196	
Church Bay	WCB1	Wales,United Kingdom	53.3782N	4.5467W	139	From 1985-01-01
Church Hills	CHTN	Tennessee,U.S.A.	36.5847N	82.7200W	558	From 1983-02-10 to 1986-01-09
Churchill	CH-MT	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churchill	CH-	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Chur Gewerbeschulhaus	SCUG	Switzerland	46.8561N	9.5238E	578	From 2011-11-25
Churui	JCH	Tokachi,Japan	42.6143N	143.3623E	120	
Chusal	CHS	Tajikistan	39.1000N	70.7667E	1670	
Chushkaly	CHKK	Kazakhstan	43.8540N	76.9880E	540	From 1989-05-11
Chusmiza	GO01	Chile	19.6685S	69.1942W	3809	
Chutung	TWR	Taiwan region	24.6401N	121.0786E	760	From 1974-02-11
Chuyangaron	CHGR	Tajikistan	38.6569N	69.1582E	1049	
Chvalec	CHVC	Czech Republic	50.5881N	16.0547E	598	From 2009-05-20
Chylin	CYP	Poland	51.2933N	23.3000E	100	From 1976-01-01 to 1991-12-31
Cibinong	KMSI	Sulawesi,Indonesia	0.5745N	123.9807E	0	From 2007-12-01
Cibinong	CNJI	Jawa,Indonesia	7.3090S	107.1296E	0	From 2007-12-01
Cibinong	CGJI	Jawa,Indonesia	6.6135S	105.6929E	0	From 2007-12-01
Cicekdag	CDAG	Turkey	39.6236N	34.3719E	1136	From 2005-03-23
Cicese	CCX	California,U.S.A.	31.8683N	116.6633W	30	
Cienega Rd	AN14*	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cienega Road	BCGM	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cifteler, Eskisehir	CIFT	Turkey	39.3612N	31.0625E	892	From 2013-03-15
CIGO, UAF Yankovich Road, Fairbanks	TCOL	Alaska,U.S.A.	64.8735N	147.8618W	178	From 2012-10-08
Cihanbeyli	CHBY	Turkey	38.5823N	32.8901E	1086	From 2010-06-29
Cilcuayo	CIVM	Mexico D.F.,Mexico	19.1032N	98.9858W	3530	
Cilicap	CLJI	Jawa,Indonesia	7.7187S	109.0150E	46	From 2005-01-01
Cilov Adasi	ZHI	Azerbaijan	40.3250N	50.5900E	-24	From 1968-01-01
Cima Grappa	CGRP	Italy	45.8800N	11.8000E	1757	
Cimarron	R21A	Colorado,U.S.A.	38.3685N	107.5501W	2260	From 2007-11-14 to 2010-02-07
CIMA - Sant'Angelo dei Lombardi	SALI3	Italy	40.9300N	15.1800E	872	
Cimerak	CMJI	Jawa,Indonesia	7.7837S	108.4485E	0	From 2007-12-01
Cimolais	CIMO	Italy	46.3100N	12.4400E	610	
Cinarcik Cinnet	CINR	Turkey	40.6133N	29.0750E	70	From 2009-01-01
Cinarcik-Koru-Yalova	SBT1	Turkey	40.7056N	29.1491E	-1260	From 2010-12-31
Cincinnati	CNN	Ohio,U.S.A.	39.1450N	84.4967W	203	From 1927-01-01 to 1963-12-31
Cinco Dias	PCON	Colombia	2.3280N	76.3970W	4294	
Cine	CIN	Turkey	37.6000N	28.0867E	120	From 1956-06-01
Cinebar	E04D	Washington,U.S.A.	46.5566N	122.5673W	204	From 2010-08-26
Cingoli	CING	Italy	43.3756N	13.1954E	626	From 2003-11-19

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ciorogarla	CIOR	Romania	44.4489N	25.8799E	138	From 2003-11-02
Cipolletti	CIP	Rio Negro,Argentina	38.9333S	68.1333W		
Cipreses	CICH	O'Higgins,Chile	34.3198S	70.4205W	1200	
Circle Bar Ranch, Crane	J08A	Oregon,U.S.A.	43.3580N	118.4743W	1229	From 2006-06-28 to 2009-01-08
Circle Bar Ranch, Sunflower	Y16A	Arizona,U.S.A.	33.8798N	111.4783W	1068	From 2007-03-21 to 2008-12-02
Circle Diamond K Ranch, Victoria	736A	Texas,U.S.A.	28.9550N	97.0673W	45	From 2010-04-18 to 2011-11-12
Circle Dot Ranch, Maxwell	U25A	New Mexico,U.S.A.	36.3998N	104.4081W	1845	From 2008-05-12 to 2010-04-15
Circle Ranch, Eureka	P11A	Nevada,U.S.A.	39.5530N	115.7536W	1787	From 2006-05-28 to 2008-09-09
Circular Butte	CRBI	Idaho,U.S.A.	43.8303N	112.6350W	1543	
Cˆ›rculo Militar	CIRC	Ecuador	0.1963S	78.4875W	2791	From 2010-08-19
Cirque	CRQM	Alaska,U.S.A.	60.7567N	143.1390W	1853	From 1988-07-01
Cisc	CISC	Cuba	20.0020N	75.7710W		
Cishan	SCST	Taiwan region	22.8856N	120.4938E	70	From 2014-07-28
Cisompet, Garut	CISI	Jawa,Indonesia	7.5557S	107.8153E	544	From 2008-07-21
Cisternazza	ECIS	Sicily,Italy	37.8360N	14.9953E	1342	From 1992-10-01
Citeko	CBJI	Jawa,Indonesia	6.4200S	106.8500E	0	
Citronelle, Rodrigues Island	RODM	Mauritius	19.6962S	63.4413E	300	
Citronen Fjord	CFJ	Greenland	83.0835N	28.3208W	60	From 2004-07-28 to 2007-05-12
Citt^ di Castello	CCPC	Italy	43.4779N	12.2539E	310	From 2011-10-01
Cittanova	ME10	Italy	38.3029N	16.1953E	728	From 2007-11-21 to 2009-02-05
Citt' di Castello	CDCA	Italy	43.4584N	12.2336E	50	From 2006-07-13
City College NY	CNY	New York,U.S.A.	40.8217N	73.9533W		
Ciudad Altamirano	CDAM	Guerrero,Mexico	18.3500N	100.6500W	300	
Ciudad Bolivar, Antioquia	CBOC	Colombia	5.8640N	76.0120W	1401	From 2013-08-07
Ciudad Guzman	CGX	Jalisco,Mexico	19.6917N	103.5080W	1530	
Ciudad Serdan	IISM	Puebla,Mexico	18.9880N	97.3768W		
Civita di Ruta - Ottati	CDRU	Italy	40.4896N	15.3046E	1057	From 2005-10-13
Civitanova Marche	CIMA	Italy	43.3059N	13.6701E	163	From 2010-03-15
Civitella Cesi - VT	TO09	Italy	42.1868N	12.0181E	220	From 2009-01-14 to 2009-04-02
CL01	CL01	Romania	45.8230N	26.3670E	1759	
CL02	CL02	Romania	45.7710N	26.5090E	1103	
CL03	CL03	Romania	45.6590N	26.5780E	369	
CL04	CL04	Romania	45.6020N	26.4090E	1641	
CL05	CL05	Romania	46.0310N	26.3850E	773	
Clabaugh Cattle Company, Gillette	H23A	Wyoming,U.S.A.	44.5620N	105.4007W	1213	From 2008-10-18 to 2010-09-06
Clairette	234A	Texas,U.S.A.	32.0040N	98.1368W	358	From 2009-11-17 to 2011-10-01
Clancy	CMT	Montana,U.S.A.	46.5167N	111.9330W	1402	From 1974-01-01
Clara Peak	CLP	New Mexico,U.S.A.	36.0358N	106.2400W	2591	From 1973-09-01
Clarenceville	G59A	Quebec,Canada	45.0807N	73.1809W	36	From 2013-09-17
Clark Canyon Reservoir	CCMT	Montana,U.S.A.	44.9150N	112.8740W	1926	From 1985-07-24 to 1989-08-30
Clarke City	SMQ	Quebec,Canada	50.2225N	66.7028W	344	
Clark Hill Reservoir	CH5	Georgia,U.S.A.	33.7333N	82.3250W	132	From 1975-12-01
Clark Hill Reservoir	LDVG	Georgia,U.S.A.	34.1478N	82.6833W	162	
Clark Hill Reservoir	BEVG	Georgia,U.S.A.	34.0893N	82.7333W	158	
Clark Hill Reservoir	IVAG	Georgia,U.S.A.	34.2721N	82.7460W	168	
Clark Hill Reservoir	CH6	Georgia,U.S.A.	33.8792N	82.5194W	146	From 1975-12-01
Clarkson	K49A	Michigan,U.S.A.	42.7835N	83.4556W	336	From 2012-10-11
Clark State Community College	CSCO	Ohio,U.S.A.	39.8950N	83.7980W	304	
Clarkstown	CLAR	New York,U.S.A.	41.1887N	74.0037W	76	
Clarksville	U47A	Tennessee,U.S.A.	36.4413N	87.2892W	145	From 2011-12-03
Clark Valley	GCK	California,U.S.A.	39.5438N	122.4367W	251	
Clatskanie	B023	Oregon,U.S.A.	46.1112N	123.0787W	-55	
Clausthal	CLZ	Niedersachsen,Germany	51.8416N	10.3724E	680	
Claut1	CLA1	Italy	46.2660N	12.5170E	612	
ClautB	CLAB	Italy	46.2720N	12.5120E	672	
Clavier	BCLA	Belgium	50.4196N	5.3029E	235	From 1991-10-29
Clay Center	CCNE	Nebraska,U.S.A.	40.5037N	97.9367W	529	
Clayton	CT-OK	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton	X37A	Oklahoma,U.S.A.	34.5892N	95.3713W	207	From 2010-04-21
Clayton	CT-	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton Basin, Artesia	126A	New Mexico,U.S.A.	32.6462N	104.0204W	1032	From 2008-03-15 to 2010-02-16
Clayton Lake	E62A	Maine,U.S.A.	46.6201N	69.5227W	356	From 2013-10-09
Clear Creek Butte	CCB	Alaska,U.S.A.	64.6467N	147.8050W	219	From 1971-02-25
Clear Creek Ranch, Tonopah	Q10A	Nevada,U.S.A.	38.8247N	116.3999W	2027	From 2007-02-05 to 2008-09-13
Clear Mews	CMA	Alaska,U.S.A.	64.2900N	149.1800W	181	From 1964-01-01 to 1974-01-31
Clearmont	H22A	Wyoming,U.S.A.	44.5943N	106.3521W	1276	From 2008-10-09 to 2010-09-09
Cle Elum	D06A	Washington,U.S.A.	47.1935N	120.8445W	575	From 2006-09-12 to 2008-05-12
Clemmons Ranch, Yeso	X25A	New Mexico,U.S.A.	34.5271N	104.6621W	1494	From 2008-04-27 to 2010-03-20
Clenze	CLNZ	Niedersachsen	52.9423N	10.9536E	32	From 2007-12-26
Clermont-Ferrand	CFF	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01
Clermont-Ferrand	NE16	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01 to 2001-07-28
Cleve	CLV	South Australia,Australia	33.6911S	136.4960E	238	From 1963-10-01
Cleveland	CLE	Ohio,U.S.A.	41.4888N	81.5321W	328	
Cleveland	W51A	Tennessee,U.S.A.	35.1606N	84.7599W	260	From 2012-06-13
Cleveland Dam	CLVB	British Columbia,Canada	49.3817N	123.1447W	427	
Cleveland Museum of Natural History	CLEO	Ohio,U.S.A.	41.5120N	81.6140W	192	
Clever	T39A	Missouri,U.S.A.	37.0241N	93.3774W	366	From 2010-12-16 to 2012-10-28
Cliffside	CFM	Montana,U.S.A.	48.2081N	115.4580W	886	From 1971-02-01 to 1974-07-09
Cliffs of the Neuse	CNNC	North Carolina,U.S.A.	35.2393N	77.8901W	29	From 2006-06-26
Climax Mine	NYM	Nevada,U.S.A.	37.2313N	116.0520W	1603	From 1971-01-01 to 1973-01-31
CLINCENI	CLIR	Romania	44.3784N	25.9414E	88	From 2008-11-06
Clinton	E14A	Montana,U.S.A.	46.4162N	113.4926W	1675	From 2006-10-12 to 2009-06-12
Clinton	CLIN	New York,U.S.A.	41.8750N	73.8490W	168	From 1978-05-01 to 1983-02-25
Clinton	W59A	North Carolina,U.S.A.	35.1673N	78.4430W	60	From 2013-03-09
Clintwood	CI-VA	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Clintwood	CI-	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Cloghs, Cushendall	CLGH	Northern Ireland,United Kingdom	55.0828N	6.1106W	239	From 2012-01-30
Closani	CLO	Romania	45.0739N	22.8019E	335	From 1982-09-01
Cloverdale	GCVM	California,U.S.A.	38.7697N	123.0140W	150	From 1975-05-07
Clover Valley, Wells	N12A	Nevada,U.S.A.	40.8522N	115.0387W	1786	From 2006-05-10 to 2008-08-09
Cludinico	CLUD	Italy	46.4569N	12.8814E	635	From 2011-02-15
Cluj	CLU	Romania	46.7500N	23.6500E		
Cluj-Babes-Bolyai University	CBBR	Romania	46.7683N	23.5501E	336	From 2015-06-05
Cluj-Napoca	CJR1	Romania	46.7661N	23.5514E	345	From 1985-12-01
Cluj-Napoca	CJR	Romania	46.7133N	23.5981E	750	From 1979-01-01
Clyde	CYZ	South Island,New Zealand	45.1442S	169.3296E	606	From 1984-04-04 to 1987-02-26
Clyde River	CLRN	Nunavut,Canada	70.4743N	68.5871W	9	From 2011-01-13
CM02E	CM02E	Romania	45.3760N	26.3910E	526	
CM03E	CM03E	Romania	45.2650N	26.2670E	338	
CM05E	CM05E	Romania	44.8010N	26.2730E	105	
CM08E	CM08E	Romania	45.1890N	26.5780E	185	
CMO6E	CMO6E	Romania	44.8880N	26.0490E	191	
CMU Biological Station, Beaver Island	F45A	Michigan,U.S.A.	45.6837N	85.5156W	173	From 2011-09-23
CN03	CN03	Romania	46.2400N	27.8480E	278	
CN05	CN05	Romania	44.3450N	28.0450E	104	
CN07	CN07	Romania	45.1380N	26.5450E	750	
Coachella	COA	California,U.S.A.	32.8635N	115.1230W	35	From 1973-04-16
Coal Bank Pass, Durango	S21A	Colorado,U.S.A.	37.6620N	107.7917W	2723	From 2007-12-05 to 2009-11-09
Coamo	CCA	Puerto Rico	18.0696N	66.3263W	269	From 1977-02-15 to 1999-08-25
Coast Env Seattle	KDKW	Washington,U.S.A.	47.5950N	122.3335W	4	
Coatepeque	COAS	El Salvador	13.8867N	89.5719W	1260	
CO. Balc˜‡n	BS01	Bolivia	20.7323S	65.1945W	2897	From 2012-08-06
Cobalt	G13A	Idaho,U.S.A.	45.0931N	114.2329W	1538	From 2006-11-14 to 2009-06-04
Cobano	CAO	Costa Rica	9.7012N	85.1033W	263	From 1984-11-01
Cobar Meteorology Station	CMSA	New South Wales,Australia	31.5375S	145.6916E	220	From 2001-06-26
Cobar Meteorology Station	CMS	New South Wales,Australia	31.4867S	145.8283E	255	From 1982-12-06 to 1999-08-25
Cobb Dam	CDZ	South Island,New Zealand	41.0938S	172.7132E	780	From 1989-11-01 to 1990-04-30
Cobblestone Ranch, Loring	A20A	Montana,U.S.A.	48.8799N	107.9257W	868	From 2008-09-11 to 2010-07-20
Cobb Mountain	GCMM	California,U.S.A.	38.8058N	122.7550W	1286	From 1975-04-23
Cobb River	COB	South Island,New Zealand	41.0861S	172.7340E	213	From 1949-07-19 to 1990-02-25
Cobleskill	CONY	New York,U.S.A.	42.6658N	74.4688W	468	From 2001-07-14 to 2006-02-28
Cobquecura	COCH	Bio-Bio,Chile	36.1313S	72.7883W	23	
Cobquecura	COBQ	Bio-Bio,Chile	36.1077S	72.7440W	100	
Cochabamba	CCH	Bolivia	17.3842S	66.1342W	2650	
Cochancay	COHC	Ecuador	2.4662S	79.2546W	33	From 2012-05-23
Cochiti	COH	New Mexico,U.S.A.	35.5802N	106.3050W	1646	From 1976-01-01
Cochrane	CHRN	Chile	47.2493S	72.5903W	198	From 2009-09-07
Coco Island	ICCO	Costa Rica,Costa Rica	5.5436N	87.0567W	10	From 2007-09-23
Cocos Island	CCK	Cocos Islands,Australia	12.2000S	96.9000E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Codavolpe	ECDV	Sicily,Italy	37.7010N	15.1620E	230	From 1994-10-01
Codazzi, Cesar	CCODA	Colombia	9.9350N	73.4430W	108	From 2012-03-08
Codolo	CODM	Italy	44.3908N	9.8500E	580	From 1999-03-01
Codrington	CPB	Barbuda,Antigua and Barbuda	17.6400N	61.8260W	5	From 1980-07-09
Codroy Newfoundland	CODG	Newfoundland,Canada	47.8406N	59.2535W	50	From 2005-10-06
Cody	CZ-	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody	CZ-NB	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Coen	COEN	Queensland,Australia	13.9574S	143.1749E	285	From 2002-10-03
Coe Ranch	COE	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch	CCOM	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch Number 3	CCOB	California,U.S.A.	37.2590N	121.6731W	371	
Cofrada	COFN	Nicaragua	12.1500N	86.1100W	50	
Cofrentes, Valencia	EVIV	Spain	39.2668N	1.1185W	656	From 2014-12-09
Cogollos-Vega	ECOG	Spain	37.2772N	3.5664W	1176	From 1990-06-13
Cohagen	D22A	Montana,U.S.A.	47.1498N	106.1797W	791	From 2008-09-06 to 2010-07-16
Cohasset Ridge	OCHM	California,U.S.A.	39.8758N	121.7660W	530	From 1976-12-17
Coimbra	COI	Portugal	40.2080N	8.4124W	140	
Coimbra	PCOI	Portugal	40.1585N	8.4662W	174	
Coker Ranch, Turkey	X30A	Texas,U.S.A.	34.4461N	100.8740W	698	From 2009-03-12 to 2011-02-11
Cokeville	L17A	Wyoming,U.S.A.	42.0995N	110.8727W	1996	From 2007-11-04 to 2009-05-06
Colby Mountain	LCMM	California,U.S.A.	40.1465N	121.5210W	1829	
Colchester	COV	Vermont,U.S.A.	44.5777N	73.1458W	85	From 1976-11-01 to 1980-08-31
Colchester	TCR	England,United Kingdom	51.8349N	0.9125E	40	From 1989-01-01
Cold Bay	CBY	Alaska,U.S.A.	55.1887N	162.7040W	20	From 1993-06-01
Cold Bay	CBA	Alaska,U.S.A.	55.1750N	162.7330W		
col de Turini - Moulinet	TURF	France	43.9749N	7.3919E	1640	
Col de Zad	CZD	Morocco	33.0320N	5.0410W	2435	From 1992-01-01
Coldfoot	COLD	Alaska,U.S.A.	67.2274N	150.2013W	377	From 2004-05-19
Cold Spring	COSP	New York,U.S.A.	41.4407N	73.9282W	128	
Cold Spring Mountain	GCSM	California,U.S.A.	39.0228N	123.5212W	695	
Cold Spring River	CSRY	New York,U.S.A.	43.9692N	74.1750W		From 1983-10-01 to 1986-10-31
Cold Springs	KCSM	California,U.S.A.	40.5377N	123.5130W	1640	From 1992-08-13
Cold Springs	CSPT	Tennessee,U.S.A.	35.7610N	83.8240W	335	From 1983-10-28
Col du Perthus	PERF	Languedoc-Rousillon,France	42.4856N	2.8742E	490	From 1989-01-01 to 1999-10-06
Coldwater Canyon	CWCR	California,U.S.A.	37.4948N	118.3060W	2000	From 1984-08-10 to 2002-10-10
Coldwater, Mount Saint Helens	B201	Washington,U.S.A.	46.3033N	122.2648W	752	
Coleburn Distillery	MCD	Scotland,United Kingdom	57.5828N	3.2542W	280	From 1981-06-01
Colegio 24 de Mayo	C24MA	Ecuador	0.1769S	78.4738W	2836	From 2010-07-02
Colegio Aleman	DSCH	Santiago,Chile	33.3985S	70.5688W	699	
Colegio Gonzalo Zaldumbide - Quito	ZALD	Ecuador	0.2666S	78.5412W	2870	
Coleman	CLM	Alberta,Canada	49.6350N	114.5200W		
Coleman	232A	Texas,U.S.A.	31.8880N	99.6469W	621	From 2009-03-07 to 2011-02-17
Coleman	I33A	South Dakota,U.S.A.	44.0475N	96.7989W	509	From 2010-08-01 to 2012-06-06
Colesburg	K40A	Iowa,U.S.A.	42.6999N	91.1383W	274	From 2011-06-10 to 2013-06-01
Coleville	R06C	California,U.S.A.	38.5226N	119.4509W	1698	From 2005-08-04 to 2008-03-15
Coley Creek	SCCK	South Carolina,U.S.A.	35.0228N	82.9915W	701	
Coleyville	CVJ	Jamaica	18.2262N	77.5348W	985	
Colfax	CF-	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colfax	CF-WS	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colider	CLDB	Mato Grosso,Brazil	10.8732S	55.7965W	298	From 2013-04-15 to 2099-01-01
Coligny	CGY	Transvaal,South Africa	26.3483S	26.3750E		From 1986-01-01 to 1999-01-31
Colima	CMX	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colima	COLM	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colinas	COLS	El Salvador	13.6652N	89.2987W	1105	
Collangettes	COLF	Auvergne,France	45.5178N	3.6945E	740	
Col Las Americas	LACH	Metropolitana,Chile	33.4518S	70.5308W	690	From 2006-04-01
Colle Ameno	AMEN	Italy	43.6088N	13.4444E	48	From 2012-09-27
Colle Belvedere (Rocca di Mezzo)	RM24	Italy	42.1710N	13.4724E	1565	From 2009-04-22 to 2009-09-01
Collebrencioni	RM07	Italy	42.4050N	13.4065E	1133	From 2009-04-06 to 2009-08-31
College	COLA	Alaska,U.S.A.	64.8738N	147.8511W	74	From 1996-01-01
College des Creusets, Sion	ESION	Switzerland	46.2269N	7.3476E	482	From 2009-01-09
College--Fairbanks	CMO	Alaska,U.S.A.	64.8600N	147.8350W	183	From 1949-01-01 to 1977-12-31
College Fiord	CFI	Alaska,U.S.A.	61.1827N	147.7670W	3	From 1974-07-31
College of the Siskiyous	LCSM	California,U.S.A.	41.4162N	122.3925W	1125	
College of Wooster	COWO	Ohio,U.S.A.	40.8158N	81.9378W	328	
College Outpost	COL	Alaska,U.S.A.	64.9000N	147.7933W	320	
Collenoveri	RM11	Italy	42.5382N	13.2772E	931	From 2009-04-07 to 2010-02-15
Collepietro	T0110	Italy	42.2264N	13.7791E	915	From 2009-09-02
Colle Roio	RM02	Italy	42.3430N	13.3283E	787	From 2009-04-06 to 2009-06-17
Colle San Martino	SMB1	Italy	41.3968N	14.7184E	819	
Colliano	CLLN	Italy	40.7177N	15.3180E	1207	From 2004-09-23
Colliano	COL3	Italy	40.6871N	15.3304E	1026	
Colli (Barete)	RM05	Italy	42.4387N	13.2588E	890	From 2009-04-06 to 2009-09-01
Collier Ranch, Chico	Z34A	Texas,U.S.A.	33.3712N	97.9158W	341	From 2009-11-10 to 2011-09-10
Collingwood	CLWO	Ontario,Canada	44.4491N	80.3013W	485	From 2009-05-20
Collinsville	HGA	Alabama,U.S.A.	34.2602N	85.8464W	384	
Collinsville	CVLQ	Queensland,Australia	20.5900S	147.6090E	102	From 1985-04-03
Collm	CLL	Sachsen,Germany	51.3077N	13.0026E	230	
Collurania	CLR	Italy	42.6667N	13.7167E		
COLO	COLO	Bolivia	19.0002S	62.0049W	396	From 1995-07-29 to 1995-08-08
Cologne	CLG	Nordrhein-Westfalen,Germany	50.9283N	6.9350E	0	
Colombo	COC	Sri Lanka	6.9000N	79.8667E	7	
Colome	CO-SD	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colome	CO-	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colon	ECO	Panama	9.3638N	79.6937W	468	From 1990-10-17
Colon	ECO2	Panama	9.3218N	79.6837W	450	
Colon	COLN	O'Higgins,Chile	34.0667S	70.4567W	2160	
Colonesti	CLI	Romania	46.5500N	27.2833E	502	
Colonia	COLC	Costa Rica	10.6652N	85.2037W	445	From 2000-01-01
Colonia del Valle	CVM	Mexico D.F.,Mexico	19.3821N	99.1785W		
Colonia Sabana	CSB	Puerto Rico	18.2897N	66.1567W	470	From 1975-07-30
Colony High School	CHSA	Alaska,U.S.A.	61.6080N	149.2120W	112	
Colorado	COCR	Costa Rica	10.5527N	83.6708W	10	
Colorado Mnmt	CMCO	Colorado,U.S.A.	39.1026N	108.7380W	1756	
Coloredo	COLI	Italy	46.1333N	13.3783E	250	From 1977-05-06
Col San Antonio	HUMP	Puerto Rico	18.1421N	65.8498W	79	
Colson Canyon	SCCM	California,U.S.A.	34.9413N	120.1720W	610	
Colson Canyon	BCC	California,U.S.A.	34.9397N	120.1720W	610	From 1969-11-24 to 2005-08-08
Colter Canyon	COLW	Wyoming,U.S.A.	43.9623N	110.6960W	2079	From 1986-01-01
Colton High School	COLT	Oregon,U.S.A.	45.1703N	122.4369W	213	
Coltrane Farms	V57A	North Carolina,U.S.A.	35.8875N	79.7758W	223	From 2013-03-13
Columbia	COTN	Tennessee,U.S.A.	35.7842N	86.9707W	320	
Columbia	CSC	South Carolina,U.S.A.	34.0000N	81.0333W	94	From 1931-01-01 to 1973-09-30
Columbia College	CMB	California,U.S.A.	38.0346N	120.3865W	697	From 1986-11-06
Columbiana	Z49A	Alabama,U.S.A.	33.1942N	86.5311W	134	From 2011-12-19 to 2013-08-06
Columbo, Santorini Isl.	CMBO	Greece	36.4709N	25.4056E	108	From 2011-02-02
Columbus	CUN	Nebraska,U.S.A.	41.4789N	97.3800W	467	
Columbus	COLR	Nevada,U.S.A.	38.1447N	118.0542W	1835	
Columbus	J42A	Wisconsin,U.S.A.	43.3179N	89.1234W	313	From 2011-10-15 to 2013-06-11
Columbus Grove	N49A	Ohio,U.S.A.	40.9220N	84.1825W	225	From 2012-09-03
Col Varnada, Mel (BL)	VARN	Italy	45.9933N	12.1047E	870	From 2006-11-16
Colville	CLW	Washington,U.S.A.	48.5933N	117.8820W	585	From 1975-06-01 to 1976-11-30
Colville Lake	CLVN	Northwest Territories,Canada	67.0390N	126.0779W	263	From 2010-07-18
Colville Reservation, Omak	B08A	Washington,U.S.A.	48.3584N	119.3332W	696	From 2006-11-07 to 2008-11-12
Comanche National Grassland Park, Kim	T26A	Colorado,U.S.A.	37.1747N	103.5933W	1830	From 2009-01-10 to 2010-11-07
Combarbala	CMCH	Coquimbo,Chile	31.1735S	71.0013W	906	
Combarbal¯¡	CO02	Coquimbo	31.2037S	71.0002W	1190	From 2013-06-07
Combe Brimond	CBBF	Provence-Cote d'Azur,France	44.5965N	6.8535E	1980	From 1989-11-06
Combe Farm	DCO	England,United Kingdom	50.3200N	3.8724W	410	From 1982-01-01
Combovin	OG16	Rhone-Alpes,France	44.8500N	5.0975E	775	From 1990-04-05
Comb Ridge	CRTN	Tennessee,U.S.A.	36.1998N	83.8407W	488	
Comisariato del Ejercito Sur - Quito	COSF	Ecuador	0.2364S	78.5256W	2854	
Comitan	CCIG	Chiapas,Mexico	16.2820N	92.1370W	1500	
Comitan	COM	Chiapas,Mexico	16.2533N	92.1281W	1528	
Comitan 2	COM2	Chiapas,Mexico	16.2417N	92.1372W		
Commelle	OG08	Rhone-Alpes,France	45.4482N	5.2397E	550	From 1989-02-13
Complesso Universitario Monte Sant'Angelo	NAPI	Italy	40.8400N	14.1800E	120	
Compton	COOC	California,U.S.A.	33.8960N	118.2164W	-31	
Concepcio@15n	U14B	Concepcion,Chile	36.8579S	73.0798W	27	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Concepcion	CONC	Concepcion,Chile	36.8295S	73.0353W	60	
Concepcion	CON	Concepcion,Chile	36.8281S	73.0450W	15	
Concepcion	CONN	Nicaragua	11.5642N	85.6257W	250	
Concesio	CNCS	Italy	45.6060N	10.2170E	126	From 2006-05-03
Conchagua	CNCH	El Salvador	13.2763N	87.8337W	1056	
Con Chiusa Politi	EPOL	Sicily,Italy	37.8625N	14.9915E	830	From 1994-10-01
Con Con	CCCH	Valparaiso,Chile	32.9228S	71.5158W	45	
Concord--Diablo Valley College	CNC	California,U.S.A.	37.9667N	122.0720W	36	From 1960-09-12 to 1966-12-06
Concordia	ITAB	Brazil	27.2349S	52.1313W	150	
Concordia	CNK	Kansas,U.S.A.	39.5080N	97.7130W	465	From 1978-04-18 to 2001-07-15
Concordia, Antarctica	CCD	East Antarctica	75.1065S	123.3050E	3240	From 2007-01-01
Concrete	CE-WA	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Concrete	CE-	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Con Cuong	CCVB	Vietnam	19.0485N	104.8768E	30	From 2008-01-01
Conde	G31A	South Dakota,U.S.A.	45.2254N	98.2083W	393	From 2010-09-02 to 2012-06-27
Condor	PP03	Peru	13.5412S	75.5242W	1400	
Cone Mtn., Paradox Valley	PV21	Colorado,U.S.A.	38.5612N	108.9749W	2235	
Cone Peak	CPK	Hawaii,U.S.A.	19.3950N	155.3280W	1038	From 1967-11-01
Confresa	CFSA	Mato Grosso	10.1729S	51.2048W	286	From 2015-06-28
Congro	PCNG	Azores,Portugal	37.7670N	25.3960W	578	From 2003-01-01
Conil	CNIL	Spain	36.3700N	6.0545W	63	
Connealy Angus Ranch, Whitman	L28A	Nebraska,U.S.A.	42.0073N	101.5196W	1155	From 2009-06-05 to 2011-04-09
Connel	CNL	Washington,U.S.A.	46.6530N	118.9170W	293	From 1970-06-01 to 1975-02-28
Connelly Farm, Tescott	Q33A	Kansas,U.S.A.	38.9982N	97.8327W	422	From 2009-10-27 to 2011-08-24
Conner	APYP	Luzon,Philippines	17.8620N	121.2430E	50	
Conniff Cattle Co., Rinco	122A	New Mexico,U.S.A.	32.6995N	107.0005W	1333	From 2008-02-01 to 2009-12-09
Co Noi	MUVB	Vietnam	21.3432N	104.1085E	485	
Cono NE Rev Volc	CONE	Ecuador	0.0699S	77.6425W	2685	From 2003-03-08
Conover	COWI	Wisconsin,U.S.A.	46.1003N	89.1369W	523	
Conrad Observatory	CONA	Austria	47.9282N	15.8618E	1046	
Conrad Observatory	CSNA	Austria	47.9282N	15.8588E	1039	From 2006-12-13
Constanta	CTISU	Romania	44.1840N	28.6491E	74	From 2012-10-31
CONSTANTA	CCF	Romania	44.1434N	28.6730E	35	From 2007-08-16
Constanta Port	TSCT	Romania	44.1608N	28.6572E	68	From 2013-05-10
Constantine	CCO1	England,United Kingdom	50.1357N	5.1957W	168	From 1981-01-01
Constantine	CNS	Algeria	36.3700N	6.6125E	670	
Constitucion	CTCH	Maule,Chile	35.3308S	72.4119W	10	From 2004-09-08
Constitucion	CONS	Maule,Chile	35.3229S	72.4131W	110	
Contact Creek	CNTC	Alaska,U.S.A.	58.2645N	155.8837W	1158	From 1996-08-01
Contao	CNTO	Chile	41.8022S	72.7182W	10	From 2008-05-06
Contigliano	LCNT	Italy	42.4114N	12.7680E	431	From 2007-04-04
Contrada Cassone	ECCS	Sicily,Italy	37.7105N	15.0643E	1500	From 1994-10-01
Contwyoto Lake 2	COWN	Northwest Territories,Canada	65.2679N	111.1860W	513	
Convento San Francisco - Quito	SANF	Ecuador	0.2193S	78.5159W	2882	
Convict Lake	MCVM	California,U.S.A.	37.5900N	118.8291W	2542	
Convict Lake	MCMM	California,U.S.A.	37.6094N	118.8736W	2219	
Conway	CW-AR	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Conway	CW-	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Cook Canyon	CKC	California,U.S.A.	34.1363N	117.1750W	550	
Cookes Peak, Deming	121A	New Mexico,U.S.A.	32.5324N	107.7851W	1652	From 2008-02-12
Cook Lake	COKN	Northwest Territories,Canada	63.2702N	108.7623W	357	From 2008-07-10
Cook Peak	WCOM	California,U.S.A.	35.6225N	118.4380W	1609	
Cook Ranch	COK	California,U.S.A.	32.8492N	115.7270W	-15	From 1973-04-16
Cooks Store, Concordia	Q38A	Missouri,U.S.A.	38.9609N	93.6182W	228	From 2010-12-03 to 2012-10-20
Coolgardie	COOL	Western Australia,Australia	30.8838S	121.1450E	500	From 1988-08-01 to 2006-05-29
Coonabarabran	EPSO	New South Wales,Australia	31.2601S	149.2209E	563	From 2009-12-01
Cooney Tunnel	COO	New South Wales,Australia	30.5778S	151.8917E	653	From 1974-08-17 to 1999-08-25
Coon Peak	CPU	Utah,U.S.A.	40.6731N	112.1900W	2228	From 1974-11-01
Cooper Cave	CPCT	Tennessee,U.S.A.	35.4498N	84.5218W	275	
Cooper Hill	PQ0	Maine,U.S.A.	44.9863N	67.4674W	219	
Cooper Landing	O22K	Alaska,U.S.A.	60.4814N	149.7241W	140	From 2014-05-21
Cooper Mountain	CMTX	Texas,U.S.A.	33.0105N	100.8420W	811	
Coopers Lake	CKM	Montana,U.S.A.	47.0666N	112.9100W	1353	From 1974-08-02 to 1976-10-31
Cooperstown	K59A	New York,U.S.A.	42.7750N	74.8525W	570	From 2013-09-15
Copaceanca	COPA	Romania	44.1343N	25.2172E	114	From 2012-11-07
Copaltepe	COPN	Nicaragua	12.1800N	86.5917W	150	
Copenhagen	COP	Denmark	55.6853N	12.4325E	13	From 1962-01-01
Copete-Rev Volc	ECOPE	Ecuador	0.1061S	77.6206W	2350	From 2003-02-17 to 2003-09-01
Copeton	COPM	New South Wales,Australia	29.9178S	150.9347E	571	
Copiapo	CPCH	Atacama,Chile	27.3580S	70.3530W	371	
Copiapo	CPP	Atacama,Chile	27.3542S	70.3511W	384	
Copiapo@15	GO03	Atacama,Chile	27.5937S	70.2347W	743	
Coppermine	CMC	Northwest Territories,Canada	67.8333N	115.0833W	31	From 1963-03-15 to 1969-12-06
Copper Mountain	CPM	California,U.S.A.	34.1540N	116.1970W	937	
Copperopolis	MCUM	California,U.S.A.	37.9732N	120.6195W	309	From 1972-04-19 to 2011-11-26
Copperopolis Broadband	MCUB	California,U.S.A.	37.9754N	120.6202W	408	
Coppito (AQ)	T0109	Italy	42.3600N	13.3382E	754	From 2009-04-08 to 2009-04-09
Coquitlam Dam	COQB	British Columbia,Canada	49.3542N	122.7747W	161	
Corbin	CNV	Virginia,U.S.A.	38.2050N	77.3733W	70	From 1978-07-01
Corbin Fredericksburg Observatory	CBN	Virginia,U.S.A.	38.2046N	77.3732W	70	From 1971-01-01
Corcelles	OG35	Rhone-Alpes,France	46.0445N	5.5715E	900	From 2008-04-04
Corcovado	CHP2	Peru	4.6161S	80.8131W	200	From 1979-12-01
Cord	V42A	Arkansas,U.S.A.	35.8060N	91.3900W	134	From 2011-05-13 to 2013-02-15
Cordova	CDI	Alaska,U.S.A.	60.4967N	145.4933W	65	From 1964-04-02 to 1964-05-08
Cordova	CVA	Alaska,U.S.A.	60.5465N	145.7490W	90	From 1971-08-31
Cordova Ski Area	EYAK	Alaska,U.S.A.	60.5493N	145.7479W	146	
Cordoza Dairy	HCZM	California,U.S.A.	36.9090N	121.8000W	30	From 1975-11-13
Corfu	CRF	Washington,U.S.A.	46.8250N	119.3870W	189	From 1970-07-01
Corinaldo	COR1	Italy	43.6318N	13.0003E	237	From 2011-04-13
Corinaldo	CRN	Italy	43.6308N	12.9978E	271	
Corinaldo (AN)	AD04	Italy	43.6440N	13.0398E	227	From 2010-03-31
Cork	CORK	Ireland	51.8833N	8.4667W		From 1914-01-01 to 1942-12-31
Corleone	CORL	Sicily,Italy	37.8943N	13.3038E	660	From 2006-04-19
Corleto Perticara	COPE	Italy	40.3834N	16.0692E	800	
Corlu	CRLT	Turkey	41.1290N	27.7360E	230	From 2002-01-01
Corn Cob Canyon	HCOM	California,U.S.A.	36.8875N	121.7080W	134	From 1975-11-19
Corn Creek	U11A	Nevada,U.S.A.	36.4230N	115.3835W	867	From 2006-06-20 to 2008-10-13
Corn Creek, Alamo	T11A	Nevada,U.S.A.	37.2408N	115.2202W	1402	From 2007-02-11 to 2008-09-16
Cornell	CN-	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornell	CN-WS	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornellia Hill	CORN	Puerto Rico	18.1635N	67.1794W	8	
Corner Brook	CBK	Newfoundland,Canada	48.9197N	57.9697W	380	
Corning	P52A	Ohio,U.S.A.	39.6337N	82.1325W	293	From 2012-07-24
Cornuda	MCOR	Italy	45.8371N	11.9887E	394	From 2010-06-29
Cornuda	CRND	Italy	45.8349N	12.0786E	159	From 2011-11-04
Cornudas Mountain, Dell City	224A	Texas,U.S.A.	32.0760N	105.5226W	1487	From 2008-02-28 to 2010-01-16
Cornudas Mountains	MNTX	Texas,U.S.A.	31.6985N	105.3821W	404	From 2004-04-01
Coroa da Mata	PMAT	Azores,Portugal	37.8160N	25.4710W	240	From 2003-01-01
Coron	BUSP	Palawan,Philippines	12.0030N	120.1990E	66	
Corona	CRNC	California,U.S.A.	33.8757N	117.5611W	135	
Corona Quarry	COQ	California,U.S.A.	33.8605N	117.5097W	205	From 1976-01-01
Coronation Park	CORO	Tasmania,Australia	41.4522S	147.1450E	30	From 1996-01-01
Coronel Fontana	CFA	San Juan,Argentina	31.6048S	68.2375W	621	
Coronel Fontana	CFAA	San Juan,Argentina	31.6048S	68.2375W	577	From 2004-12-22
Corral Hollow	CSTL	California,U.S.A.	37.6392N	121.4980W	205	From 1981-02-18
Correggio	CODE	Italy	44.7980N	10.7150E	27	
Correggio Bag	ZAVE	Italy	44.7542N	10.7030E	33	
Correggio Fan	FANE	Italy	44.7670N	10.7362E	33	
Correggio Man	MAN1	Italy	44.7822N	10.7855E	29	
Correggio (RE)	T0815	Italy	44.8731N	11.7198E	1	From 2012-05-20 to 2012-09-18
Correggio--Silva	SILE	Italy	44.7550N	10.7970E	33	
Corrie	PCOU	Scotland,United Kingdom	55.9880N	4.1002W	267	From 1990-01-01 to 1991-01-01
Corte	CORF	Corse,France	42.2980N	9.1530E	475	From 2005-06-22
Cortez Mining, Crescent City	O10A	Nevada,U.S.A.	40.2917N	116.4999W	1470	From 2006-05-16 to 2008-08-15
Corum	CORM	Turkey	40.1785N	34.6302E	1292	From 2004-12-15
Corum	CTKT	Turkey	40.6231N	34.7897E	1650	From 2002-03-01
Corum-Alaca	COAL	Turkey	40.2548N	34.9860E	1154	From 2010-11-30
ˆorum-Karg¯–	KAGI	Turkey	41.1384N	34.4782E	448	From 2013-02-28
Corum_Osmancik	CTAK	Turkey	40.6478N	34.7914E	1775	From 2011-05-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Corvallis	COR	Oregon,U.S.A.	44.5857N	123.3030W	121	From 1950-12-01
Cosiguina	COS	Nicaragua	12.9580N	87.5752W	500	From 1975-01-01
Cosiguina Volcano	CSGN	Nicaragua	12.9763N	87.5588W	746	From 2012-01-01
Coso Basin North	CBHM	California,U.S.A.	35.9882N	117.7500W	890	From 1975-09-26
Coso Springs S	WCSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Coso Springs South	CSSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Costa Raja	CRJA	Sicily,Italy	37.8016N	13.0043E	560	From 2000-07-01
Cotabato	CTB	Mindanao,Philippines	7.2000N	124.2000E	50	
Cotabato--PC Hill	CTBH	Mindanao,Philippines	7.2210N	124.2460E	50	
Cotacachi	COTA	Ecuador	0.3350N	78.3378W	4020	From 1988-07-22
Cotacachi (Casa del Agua)	ACOT	Ecuador	0.2949N	78.2745W	2482	From 2012-03-29
Cotillion Park	DCA3	Alberta,Canada	56.1665N	119.6977W	284	
Cotoan	CTCR	Costa Rica	8.8962N	82.7593W	1620	From 1989-01-01
Cotopaxi 1	VC1	Ecuador	0.6420S	78.4030W	4103	From 1988-07-08
Cotopaxi Volc	COV1	Ecuador	0.6621S	78.3437W	4979	From 2001-12-15
Cotopaxi Volcano	BMOR	Ecuador	0.7308S	78.4588W	4337	From 2007-07-01
Cotopaxi Volcano	BVC2	Ecuador	0.6575S	78.4118W	4408	From 2007-07-01
Cotopaxi Volcano	BNAS	Ecuador	0.6713S	78.4805W	3919	From 2007-07-01
Cotopaxi Volcano	BREF	Ecuador	0.6697S	78.4405W	4859	From 2007-07-01
Cotopaxi Volcano	BTAM	Ecuador	0.6750S	78.3968W	4292	From 2007-07-01
Cotopaxi Volc (N)	PITA	Ecuador	0.5585S	78.4326W	3610	From 2001-12-03
Cotopaxi Vol south	MOV1	Ecuador	0.7132S	78.4405W	4782	From 2002-01-11
Cotton	D37A	Minnesota,U.S.A.	47.1581N	92.4262W	413	From 2010-08-29 to 2012-08-15
Cottongarden Point	CGPV	Virgin Islands	17.7635N	64.5842W	40	
Cotton Hill	PSDMB	Dominica	15.5850N	61.4570W	40	
Cottonwood	COTR	Nevada,U.S.A.	38.6417N	118.7718W	1890	
Cottonwood Avenue, Hayward	C055	California,U.S.A.	37.6574N	122.1104W	11	
Cottonwood Creek, Lone Pine	CWC	California,U.S.A.	36.4399N	118.0802W	1595	From 1965-10-15
Cottonwood Mountains	CTW	California,U.S.A.	33.6773N	115.8721W	504	From 1977-08-24
Cottonwood Point	CWPT	Missouri,U.S.A.	36.0091N	89.6264W	76	
CO. Tuti	BS10	Bolivia	17.4580S	65.8583W	4161	From 2011-11-09
County Road 4760 near Route FM1970, Timpson	ETX07	Texas,U.S.A.	31.8965N	94.4708W	107	
County Road 4772, Timpson	ETX01	Texas,U.S.A.	31.8747N	94.4278W	111	
Cournillens	SCOU	Switzerland	46.8540N	7.1037E	600	From 2008-04-16
Court-Saint-Etienne	BCES	Belgium	50.6061N	4.5767E	167	From 2010-07-13
Covasna	CVO	Romania	45.8222N	26.1739E	635	From 1982-09-01
Cove	G09A	Oregon,U.S.A.	45.2781N	117.7802W	1027	From 2006-08-11 to 2008-07-17
COVE	COVE	Costa Rica	10.7195N	84.4019W	124	
Cove Fort	CFU	Utah,U.S.A.	38.6189N	112.5390W	2012	
Cove Ranch, Picabo	J13A	Idaho,U.S.A.	43.3979N	114.1742W	1552	From 2006-12-09 to 2009-06-02
Covington	CVTN	Tennessee,U.S.A.	35.5415N	89.6435W	101	
Covington	O49A	Ohio,U.S.A.	40.1880N	84.3353W	292	From 2012-06-21
Cowboy Ranch, Jiggs	O11A	Nevada,U.S.A.	40.1313N	115.6570W	1948	From 2006-05-17 to 2008-08-12
Cow Camps Rge	CCRT	Tennessee,U.S.A.	35.4660N	84.0540W	940	From 1983-11-06
Cow Castle Creek	COW	South Carolina,U.S.A.	33.3817N	80.6993W	60	From 1977-10-23
Cowichan Lake Research St	CLRS	British Columbia,Canada	48.8203N	124.1309W	174	From 2014-09-11
Cowlitz River	CWZ	Washington,U.S.A.	46.4910N	122.0120W	305	
Cow Mountain	GCWM	California,U.S.A.	39.1308N	123.0760W	1089	
Coxcomb Mountains 2	CO2	California,U.S.A.	33.8472N	115.3447W	276	
Coxim-MS Brazil	COXM	Mato Grosso,Brazil	18.5328S	54.8183W	324	From 2011-09-26
Cox Ranch, Sanderson	528A	Texas,U.S.A.	30.1615N	102.7880W	1183	From 2008-03-18 to 2010-02-11
Coxs Mills	Q54A	West Virginia,U.S.A.	38.9836N	80.8338W	254	From 2013-01-28
Coyhaique	COYC	Patagonia,Argentina	45.5723S	72.0813W	235	From 2004-12-20
Coyote D'meter	CYD1	California,U.S.A.	37.5629N	122.0967W	-23	
Coyote Hills	LT8	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	CYH	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	CCYM	California,U.S.A.	37.5517N	122.0910W	67	From 1975-05-01
Coyote Hollow	CHOI	Idaho,U.S.A.	43.3125N	111.2130W	2103	From 1986-01-01
Coyote Mountain	COY	California,U.S.A.	33.3640N	116.3110W	232	From 1976-01-01 to 2008-06-11
Coyotepe	CYN	Nicaragua	11.9958N	86.0987W	345	From 2000-04-01
Coyote Point	JCPM	California,U.S.A.	37.5882N	122.3220W	14	
Cozia	COZ	Romania	45.3205N	24.3425E	1610	From 1982-09-01
CP-1	CPX	Nevada,U.S.A.	36.9300N	116.0550W	1285	From 1961-01-01 to 1991-01-14
CP-1	CPY	Nevada,U.S.A.	36.9319N	116.0559W	1304	From 1991-01-14 to 2002-10-10
CP-17	CPN	Nevada,U.S.A.	37.1438N	116.2710W	1759	From 1965-01-01 to 1970-12-31
CRAAG	ESS	Algeria	36.0000N	3.1000E	400	
Craco	CRAC	Italy	40.3650N	16.4350E	384	From 2006-02-22
Crafton Hills	CFT	California,U.S.A.	34.0352N	117.1110W	671	From 1975-01-01
Craig	CRAG	Alaska,U.S.A.	55.4689N	133.1230W	57	
Craig	CGC	Colorado,U.S.A.	40.5233N	107.5620W	1925	From 1970-01-01 to 1972-11-30
Craig Goch	HCG	Wales,United Kingdom	52.3225N	3.6567W	511	From 1980-11-01
Craigsville	CX-	West Virginia,U.S.A.	38.3231N	80.6403W	732	
Craigsville	CX-WV	West Virginia,U.S.A.	38.3231N	80.6403W	732	
CRAIOVA	CRAR	Romania	44.3250N	23.7999E	125	From 2004-06-28
CR and CF Franklin Farms, Melrose	X26A	New Mexico,U.S.A.	34.5508N	103.8103W	1393	From 2008-04-29 to 2010-03-19
Crane	KR-	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crane	KR-OR	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crastes	CRAS	Midi-Pyrenees	43.7210N	0.7292E	205	From 2015-07-13
Crater	A10	Costa Rica	10.4611N	84.7156W	830	
Crater GGP	CGGP	Ecuador	0.1765S	78.6058W	4400	From 1993-03-13
Crateri Nord Est	ECNE	Sicily,Italy	37.7653N	15.0019E	2957	From 2009-09-23
Crater Lake	VCLM	Oregon,U.S.A.	42.8785N	122.1200W	2048	
Crater Peak	CRP	Alaska,U.S.A.	61.2670N	152.1550W	1622	From 1981-08-26
Crater Peak Alternate	CPAM	Alaska,U.S.A.	61.2548N	152.1420W	1192	From 1992-10-29
Crater Peak Broadband	SPCP	Alaska,U.S.A.	61.2661N	152.1529W	1616	
Crater Peak Rim	CPKM	Alaska,U.S.A.	61.2633N	152.2330W	2017	From 1991-10-01
Crater Peak Two	CP2	Alaska,U.S.A.	61.2642N	152.2420W	1981	From 1992-10-26
Craters of Moon	COMI	Idaho,U.S.A.	43.4618N	113.5940W	1890	From 1992-01-01
Crater Summit	SSV	St Vincent,Saint Vincent and the Grenadines	13.3270N	61.1930W	824	From 1979-01-16
Crawfordville	553A	Florida,U.S.A.	30.1890N	84.4317W	16	From 2012-02-07
Crazy Canyon	PCCM	California,U.S.A.	36.0898N	121.1636W	372	
Crazy Man Mountain	CZM	Washington,U.S.A.	46.4353N	122.5060W	620	From 1980-04-01
Creal Springs	CSIL	Illinois,U.S.A.	37.6319N	88.7900W	168	
Creekview Farms, Bingham Lake	I35A	Minnesota,U.S.A.	43.8565N	94.9829W	428	From 2010-07-28 to 2012-05-22
Creighton Mine,Sudbury	DSNO	Ontario,Canada	46.4715N	81.1870W	-1723	From 2006-11-09
Creighton Mine,Sudbury	SSNO	Ontario,Canada	46.4715N	81.1870W	277	From 2006-11-09
Crenshaw	X44A	Mississippi,U.S.A.	34.4998N	90.1462W	109	From 2011-05-10 to 2013-02-08
Crescent City	M01C	California,U.S.A.	41.8473N	124.1221W	38	From 2006-05-19 to 2007-11-16
Crescent Cliff	LCFM	California,U.S.A.	40.4863N	121.5240W	840	From 1976-11-12
Crested Butte, Gunnison	Q22A	Colorado,U.S.A.	38.8627N	106.9096W	2727	From 2007-12-18 to 2010-02-07
Crestline	CSL	California,U.S.A.	34.2497N	117.2780W	1490	
Crestview	450A	Florida,U.S.A.	30.8038N	86.5863W	77	From 2012-01-19
Crete	CR-NB	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CR2NB	Nebraska,U.S.A.	40.6367N	96.8483W	418	
Crete	CTN	Nebraska,U.S.A.	40.6222N	96.9483W	432	
Crete	CR-	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
cr"te de Spivol - 06156, Venanson - Alpes-Maritimes,FR	PrProvence-Alpes-Cote d'Azur,France		44.0559N	7.2366E	1357	From 2014-07-17
Creve Coeur	CCMO	Missouri,U.S.A.	38.7200N	90.4670W	152	
Crevison Peak	HCPM	California,U.S.A.	37.1945N	121.1850W	513	From 1979-11-15 to 1988-02-15
Cripan	ECRI	Spain	42.6089N	2.5100W	807	From 1986-10-01
Cripple Cowboy Ranch, Baxter Pass	P19A	Colorado,U.S.A.	39.6333N	108.9812W	2099	From 2007-08-21 to 2010-02-07
Cripps Ranch, Grass Range	D19A	Montana,U.S.A.	47.1646N	108.8800W	1047	From 2008-08-29 to 2010-06-05
CRISS	CRISS	Bolivia	19.3747S	65.9295W	3566	From 1994-05-30 to 1995-01-07
Cristalandia	CRIB	Tocantins,Brazil	10.5280S	49.0330W	305	
Criterion Ridge	CROR	Oregon,U.S.A.	44.9828N	120.9880W	1015	From 1987-08-01
Crittenden County--Downhole	CRID	Arkansas,U.S.A.	35.3020N	90.3330W	36	From 1982-03-16
Crittenden County--Surface	CRIS	Arkansas,U.S.A.	35.3020N	90.3330W	64	From 1981-12-16
Crivoux	CREF	Provence-Cote d'Azur,France	44.5495N	6.6228E	1680	From 1993-05-12
Crni Vrh	CRNS	Slovenia	46.0807N	14.2613E	689	
Crocker Grade	CRGC	California,U.S.A.	35.2422N	119.7249W	1169	From 1976-06-01
Crocket Farms Inc., Mclean	W30A	Texas,U.S.A.	35.1818N	100.5770W	870	From 2009-03-25 to 2011-02-15
Crockett	338A	Texas,U.S.A.	31.3567N	95.3106W	137	From 2010-02-18 to 2011-12-12
Croghan	DCN	Ireland	53.3439N	7.2767W	150	From 1976-11-01
Croghan	CROG	New York,U.S.A.	43.9050N	75.4125W	244	From 1977-07-27 to 1986-09-30
Cromwell	M47A	Indiana,U.S.A.	41.3594N	85.6214W	283	From 2012-09-05
Crook	LCK	England,United Kingdom	54.3595N	2.8715W	200	From 1989-01-01 to 1992-10-13
Crookston	C32A	Minnesota,U.S.A.	47.8255N	96.5281W	286	From 2010-10-23 to 2012-06-25
Crookwell	CKWL	New South Wales,Australia	34.4523S	149.4658E	910	From 2011-02-21
Cross D Ranch, Liberty	539A	Texas,U.S.A.	30.1084N	94.7236W	15	From 2010-04-13 to 2011-11-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cross Fire Station	CFS	South Carolina,U.S.A.	33.2787N	80.1693W	26	From 1988-05-30
Cross River	CRNY	New York,U.S.A.	41.3118N	73.5482W	293	From 1981-12-01
Crosstimbers Borehole	TUL0	Oklahoma,U.S.A.	35.9126N	95.7903W	-571	
Crossville	CS-TN	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crossville	CS-	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crow Canyon Rd	CCNM	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crow Canyon Road	CYC	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crowheart	J19A	Wyoming,U.S.A.	43.2649N	109.0531W	1782	From 2008-08-08 to 2010-09-12
Crowley Lake	CLKR	California,U.S.A.	37.5907N	118.8240W	2576	From 1979-11-01 to 2012-05-17
Crown Mine	CMN	Nevada,U.S.A.	40.8160N	117.5280W	1792	From 1964-01-01 to 1999-08-25
Crown Mines	CRWM	Transvaal,South Africa	26.2370S	28.0150E	1704	From 2010-02-10
Crown Point	CPI	Idaho,U.S.A.	43.8667N	116.3000W		
Crows Nest Canyon	CNCI	Idaho,U.S.A.	43.9290N	113.4530W	1914	From 1992-01-01
Crozet Islands	CRZF	Crozet Islands,France	46.4296S	51.8612E	140	From 1986-04-01
CROZET ISLANDS HYDROACOUSTIC SITE N1	H04N1	Crozet Islands,France	46.1608S	51.7792E	-1800	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE N2	H04N2	Crozet Islands,France	46.1644S	51.8025E	-1800	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE N3	H04N3	Crozet Islands,France	46.1772S	51.7832E	-1680	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S1	H04S1	Crozet Islands,France	46.8409S	51.9130E	-1459	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S2	H04S2	Crozet Islands,France	46.8536S	51.8935E	-1580	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S3	H04S3	Crozet Islands,France	46.8354S	51.8870E	-1531	From 2003-10-02 to 2006-02-28
Crutchfield	CRU	Kentucky,U.S.A.	36.5950N	89.0200W	127	From 1974-07-12
CRUZ	CRUZ	Bolivia	19.1034S	66.2212W	4267	From 1994-05-30 to 1995-08-08
Cruzeiro do Sul	CZSB	Acre,Brazil	7.7299S	72.7049W	196	From 2014-07-17
Cruz Grande	CRIG	Guerrero	16.7363N	99.1311W	121	From 2014-03-23
Cruz Verde, Cundinamarca	CVER	Colombia	4.5213N	74.0737W	3608	From 2010-05-06
Crystal Lake	CLY	New York,U.S.A.	43.8513N	74.4490W	579	From 1971-09-01 to 1982-12-31
Crystal Lake, Glendora	XTL	California,U.S.A.	34.2960N	117.8622W	1643	
Crystal Springs Elementary School	CSEN	Washington,U.S.A.	47.8000N	122.2100W		
CS01	CS01	Romania	47.0970N	26.9260E	238	
CS02	CS02	Romania	46.9450N	26.5060E	341	
CS03	CS03	Romania	46.8050N	25.9090E	684	
CS04	CS04	Romania	46.6570N	26.0210E	1089	
CS05	CS05	Romania	46.3960N	25.8340E	673	
CS06	CS06	Romania	46.2260N	26.0980E	716	
CS07	CS07	Romania	46.0900N	25.6920E	553	
CS08	CS08	Romania	45.8450N	25.1900E	464	
Csakvar	PKSC	Hungary	47.3806N	18.4371E	200	
CSIRO Animal Health Laboratory	GEAM	Victoria,Australia	38.1530S	144.3890E	100	
CSNet OBS 1	OSC1	Cyprus	33.5000N	31.2768E	-2361	From 2014-01-01
CSNet OBS 4	OSC2	Cyprus	33.0749N	32.2669E	-1560	From 2014-01-01
Cs^‡kako	CSKK	Hungary	47.3631N	18.2605E	320	From 2009-05-08
Cu@15pira	CUPV	Venezuela	10.0570N	65.7880W	668	From 2002-10-23
Cuckoo	IP01	Virginia,U.S.A.	37.9572N	77.9112W	109	
Cucuta, Santo Domingo	CCUC3	Colombia	7.8730N	72.5070W	443	From 2005-10-20
Cuddapah	CUD	India	14.4759N	78.7661E	137	
Cudjo Caverns	CCVA	Virginia,U.S.A.	36.6030N	83.6670W	571	From 1982-10-06
Cuesta del Viento	ACDV	San Juan,Argentina	30.1708S	69.1197W	1572	
Cueva Verdes	CDLV	Canary Islands,Spain	29.1631N	13.4439W	37	
Cufi^–o, Nari^–o	CCUFI	Colombia	1.2270N	77.3460W	3813	From 2011-07-21
Cuglieri	CUG	Sardinia,Italy	40.1869N	8.5698E	445	
Cuicocha-Domo	CUIC	Ecuador	0.3040N	78.3611W	3165	From 2010-09-30
Cuicocha Este	CUSE	Ecuador	0.3053N	78.3991W	3354	From 2013-01-11
Cuicocha Oeste	CUSW	Ecuador	0.2862N	78.3508W	3027	From 2013-01-11
Cuida Lopez Mateos	AZVM	Mexico D.F.,Mexico	19.5848N	99.2830W	2409	From 2009-01-01
Cuipilapa	CUI	Costa Rica,Costa Rica	10.6577N	85.1640W	560	
Cukurca	CUKT	Turkey	37.2474N	43.6076E	1298	From 2005-10-01
Culebra	CULB	Puerto Rico	18.3260N	65.3010W	161	
Culebra	CUP	Puerto Rico	18.3350N	65.3090W	120	From 1975-07-01 to 1999-08-25
Culebra, Puerto Rico	CUPR	Puerto Rico	18.3074N	65.2825W	19	From 2011-06-01
Culiacan	CUL	Sinaloa,Mexico	24.8080N	107.3160W		
Cullowhee	W53A	North Carolina,U.S.A.	35.1696N	83.1630W	1180	From 2012-04-14
Cultus Mountains	CMW	Washington,U.S.A.	48.4237N	122.1190W	1190	
Cumana	CUM	Venezuela	10.4650N	64.1700W	24	From 1969-08-01
Cumanacoa	COAV	Venezuela	10.1580N	63.8270W	1232	
Cumbal	CMBC	Colombia	0.9408N	77.8250W	3420	From 1994-01-01
Cumberland Camp Nunavut	CMBN	Northwest Territories,Canada	65.6861N	64.4481W	289	From 2009-08-17
Cumberland Gap	CG-	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CG-VA	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CGTN	Tennessee,U.S.A.	36.5580N	83.7110W	704	From 1981-10-23 to 1982-04-03
Cumberland Plat.	CPO5	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	CPO	Tennessee,U.S.A.	35.5948N	85.5704W	574	From 1963-02-13 to 1999-08-25
Cumberland Plateau	RSCP	Tennessee,U.S.A.	35.6000N	85.5689W	581	
Cumberland Plateau	CPOT	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau Observatory	CP-SO	Tennessee,U.S.A.	35.5947N	85.5706W	574	
Cumbre	CUMB	Ecuador	0.6700S	78.4300W	5820	
Cumbre, El Hierro	CCUM	Canary Islands,Spain	27.7459N	18.0301W	464	From 2011-07-01
Cummins Area School	AUCAS	South Australia,Australia	34.2600S	135.7200E	72	From 2013-08-11
Cumshewa	CWB	British Columbia,Canada	53.1581N	131.9970W	620	From 1985-09-01
Cunco	LC01	La Araucan^›a	38.8975S	71.8761W	406	From 2014-01-14
Cunda Adasi-Balikesir	CUND	Turkey	39.3361N	26.6685E	73	From 2011-04-02 to 2013-12-01
Cupa	CUPA	Ecuador	0.3665N	79.5000W	113	From 1994-08-08
Curacav^›	MT02	Metropolitana	33.2591S	71.1377W	323	From 2014-03-04
Curaglia	CUNA	Switzerland	46.6711N	8.8467E	1400	From 2009-12-02
Curarigua	CURV	Venezuela	10.0130N	69.9610W	750	From 2002-06-20
Curarrehue	GO06	Neuquen,Argentina	39.5839S	71.4720W	1250	
Curley Farm, La Sal	R19A	Utah,U.S.A.	38.2916N	109.2607W	2035	From 2007-06-24 to 2009-03-06
Currant	CU-NV	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currant	CU-	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currant	CND	Nevada,U.S.A.	38.8320N	115.2900W	2292	From 1975-11-01
Currie	O12A	Nevada,U.S.A.	40.2679N	114.7454W	1743	From 2006-05-18 to 2008-09-03
Curry Mountain	PCRM	California,U.S.A.	36.0938N	120.4350W	296	From 1975-09-04
Cushendall	GCL	Northern Ireland,United Kingdom	55.0760N	6.1300W	275	From 1989-01-01
Cusmapa	CUS1	El Salvador	13.9125N	89.9463W	662	
Cusmapa	CUSS	El Salvador	13.9092N	89.9472W	678	
Cusp Creek	CCC	British Columbia,Canada	56.1233N	122.3000W		From 1967-12-01 to 1973-04-06
Cussignacco Udine	CUSI	Italy	46.0370N	13.2530E	90	
Cusua	CUSU	Ecuador	1.4428S	78.4805W	2700	
Cutbertbay	CUBY	Andaman Islands,India	12.3597N	92.5724E	14	From 2012-01-01
Cuyoaco	CUPM	Puebla,Mexico	19.6036N	97.6186W	2450	
Cuyo Island	CUYO	Palawan,Philippines	10.8500N	121.0180E	196	
Cuyupaya	BS05	Bolivia	17.0133S	66.9428W	3540	From 2011-11-08
Cuzco	CUS	Peru	13.5633S	71.8767W	3240	
Cuzco--Tambomachay	PR05	Peru	13.4780S	71.9590W	3858	
Cypress Bend	CBD	Missouri,U.S.A.	36.3170N	89.6510W	84	From 1985-06-21
CZ01	CZ01	Romania	44.8190N	26.0210E	156	
CZ03	CZ03	Romania	45.1890N	26.5790E	213	
CZ04	CZ04	Romania	44.8860N	26.5090E	97	
CZ05	CZ05	Romania	44.6770N	26.2530E	166	
CZ06	CZ06	Romania	44.7700N	26.9090E	93	
CZ07	CZ07	Romania	44.5410N	27.1330E	50	
CZ08	CZ08	Romania	44.7410N	27.2940E	66	
CZ10	CZ10	Romania	44.9860N	27.8010E	55	
CZA	CZA	Poland	53.2290N	17.0940E	169	
D01	D01	France	49.5850N	5.2670E	220	
D50	D50	France	49.4430N	6.3730E	240	
D51	D51	France	49.3120N	6.2810E	251	
D53	D53	France	49.0550N	5.9910E	332	
Dabaa	DABA	Egypt	31.0098N	28.2814E	92	
Dabaa2	DABAA	Egypt	31.0470N	28.5039E	25	
Dabajuro	DABV	Venezuela	10.9220N	70.6360W	152	From 2002-04-17
Dabeiba	DBBC	Colombia	7.0175N	76.2097W	756	
Dabeiba, Colombia	DBCC	Colombia	8.7800N	76.2100W	756	From 2008-06-01
Dabo	DSRI	Peninsular Malaysia,Malaysia	0.4793S	104.5778E	58	From 2005-01-01
Dabrowa Gornicza	DGP	Poland	50.3292N	19.2142E	275	
Daday	BALT	Turkey	41.5342N	33.3858E	1746	From 1994-06-01
Daecheong-do Republic of korea	DACB	Republic of Korea	37.8317N	124.7068E	71	From 2010-11-17
Daegu	KSDAG	Republic of Korea	35.7685N	128.8970E	263	From 2001-12-05
Daegwallycong	KSDGY	Republic of Korea	37.6904N	128.6742E	791	From 2001-12-11
Daejeon	KSTEJ	Republic of Korea	36.3681N	127.3712E	68	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dafare	DAF	Djibouti	11.6077N	42.5292E	270	From 1976-03-01
Dagmar	DGMT	Montana,U.S.A.	48.4702N	104.1959W	646	From 2004-07-15
Dahal	DHLJ	Jordan	30.8200N	35.4020E	-80	From 1990-02-23
Dahanechah	IDAH	Iran	32.7390N	59.8680E	2277	From 2005-12-01
Dahlonega	X52A	Georgia,U.S.A.	34.6032N	83.8938W	481	From 2012-04-06
Dajia District, Taichung City	WDJ	Taiwan region	24.3478N	120.6403E	107	From 2013-01-18
Dakar	DAK	Senegal	14.6667N	17.4333W	30	
Dake	DAKH	Aomori,Japan	40.6311N	140.2725E	525	
Dakhla	HDK1	Egypt	25.5432N	29.4028E	570	From 2001-02-10
Dalandzadgad	DZD	Mongolia	43.5700N	104.4100E	1485	
Dalbeg	DLBQ	Queensland,Australia	20.1491S	147.2670E	116	From 1984-04-09
Dale	535A	Texas,U.S.A.	30.0290N	97.5711W	170	From 2009-12-16 to 2011-10-06
Dale-Ortello Valley, Anselmo	M30A	Nebraska,U.S.A.	41.5371N	99.8723W	853	From 2009-05-18 to 2011-04-10
Dalfsen	NE38	Netherlands	52.5038N	6.2592E	3	
Dalhousie	DLH	Himachal Pradesh,India	32.5417N	75.9667E	1960	
Dalia	MDAL	Morocco	35.9000N	5.4810W	30	From 2000-06-10
Dalian	DL2	Liaoning,China	38.9061N	121.6280E	62	From 1983-08-01
Dallas	J30A	South Dakota,U.S.A.	43.3248N	99.4922W	608	From 2009-09-17 to 2011-08-21
Dallas	DAL	Texas,U.S.A.	32.8461N	96.7839W	187	From 1953-12-14
Dallas	DLS	Texas,U.S.A.	32.8778N	96.7056W	169	From 1971-02-20 to 1975-12-31
Dalny	DALK	Kamchatskaya Oblast',Russia	53.0311N	158.7536E	67	From 2009-06-28
Dalselv	N1R6	Norway	66.2610N	13.9700E	85	
Dalton	DLT	California,U.S.A.	34.1700N	117.8108W	478	From 1950-07-20 to 1959-08-29
Dalton	DALG	Georgia,U.S.A.	34.6088N	85.0137W	457	
Dalton Mountain	DMMT	Montana,U.S.A.	46.8623N	112.7150W	2039	From 1987-11-19 to 1990-07-10
Dalton (NSW)	DLN	New South Wales,Australia	34.7237S	149.1788E	544	From 1961-01-01
Dalton Road	CDAL	California,U.S.A.	37.7300N	121.7280W	190	From 1980-02-01
Dalyan (Mudla)	DALT	Turkey	36.7691N	28.6371E	548	From 2004-08-17 to 2009-04-08
Dalyan (Mu¯la)	DALY	Turkey	36.8171N	28.6536E	3	From 2009-04-09
Daman	DMN	Nepal	27.6090N	85.1060E	2225	From 1980-03-27
Damascus University	DUSS	Syria	33.5110N	36.2880E	667	
Damasthipur	DMPR	India	17.5060N	77.7100E	641	
Damavand	DAMV	Iran	35.6302N	51.9708E	2300	From 2004-01-19
Damavand	IDMV	Iran	35.5772N	52.0322E	2546	From 1996-01-01
Damoulianata-Kefalonia-Greece	DMLN	Greece	38.2385N	20.3734E	370	From 2014-09-01
Dampier	DAM	Western Australia,Australia	20.6667S	116.6670E		
Damshung	NING	Xizang Zizhiqu,China	30.3794N	90.9126E	4189	From 1998-08-05 to 1998-08-15
Damuels	DAVA	Austria	47.2867N	9.8803E	1602	
Dana Ranch, Cascade	D16A	Montana,U.S.A.	47.0308N	111.5492W	1427	From 2007-09-27 to 2009-07-14
Danby, Needles	DANC	California,U.S.A.	34.6375N	115.3812W	428	From 1998-09-22
Danda	WDT	Taiwan region	23.7560N	121.1330E	2550	
Dandelion	DAH	Hawaii,U.S.A.	19.3570N	155.6670W	3003	
Dane	DAN	Ontario,Canada	48.0667N	80.0167W		
Daneborg	DBG	Greenland	74.3071N	20.2193W	107	From 2010-08-11
Dangsing	DANN	Nepal	28.3500N	83.7600E	2500	From 1994-04-01
Daniels Canyon	DAU	Utah,U.S.A.	40.4125N	111.2560W	2771	From 1974-11-01
Danmarks Havn	DAG	Greenland	76.7714N	18.6547W	30	From 1972-09-14
Dannemora	DANY	New York,U.S.A.	44.8357N	73.7572W	507	From 1977-09-16 to 1982-05-13
Dannevirke	DNN	North Island,New Zealand	40.2007S	176.1085E	217	From 1932-07-01 to 1936-12-31
Dannevirke	DVHZ	North Island,New Zealand	40.2988S	176.1666E	469	From 2008-01-14
Dan Oppiter Farms, Dalhart	V27A	Texas,U.S.A.	35.7569N	102.8361W	1228	From 2009-04-14 to 2010-11-10
Danshui	NTST	Taiwan region	25.1644N	121.4492E	16	From 2008-10-15
Danville	A09A	Washington,U.S.A.	48.9752N	118.5851W	931	From 2006-09-13 to 2008-05-17
Daramalan College	AUDAR	Australian Capital Territory,Australia	35.2500S	149.1400E	575	From 2011-05-04
Daraweish	JRDJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Daraweish	JDRJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Darb Altahta	DRBT	Syria	36.8513N	39.8112E	596	From 2002-04-01
Darband	DAR1	Pakistan	34.3790N	72.8690E	671	From 2009-09-20
Darband	DBP	Pakistan	34.3760N	72.8710E	704	From 1973-08-23 to 2009-09-20
Darby	F13A	Montana,U.S.A.	45.7893N	114.3317W	1462	From 2006-10-18 to 2009-06-11
Dareh Seyedi	BDRS	Iran	33.9543N	48.8808E	2493	From 2013-09-10
Darel	DRL	Pakistan	35.7250N	73.6460E	2117	From 2007-09-01
Darende-Malatya	DARE	Turkey	38.5712N	37.4832E	1080	From 2007-07-31
Dar Kharkhour	DKH	Morocco	35.4880N	5.3608W	1237	
Dark Hollow, Roseland	S57A	Virginia,U.S.A.	37.7605N	78.9536W	264	From 2013-03-28
Darkhovein	SCNT	Iran	30.7070N	48.3901E	1	From 2010-08-11
Dar Kodiat	DKD	Morocco	30.3600N	9.1460W	345	From 2001-06-02
Darlington East Ontario	DREO	Ontario,Canada	43.8724N	78.7040W	94	From 2007-06-22
Darlington West	DRWO	Ontario,Canada	43.8719N	78.7300W	59	From 2007-06-20
Darmstadt	WBB	Hessen,Germany	49.8434N	8.6626E	240	From 2003-01-10
Darouich	DRWC	Syria	36.6211N	36.6667E	920	From 1995-08-01
Darpas	DARS	Armenia	40.8517N	44.4300E	1525	
Dartmouth	DRT	Victoria,Australia	36.5833S	147.4920E	950	From 1975-12-01
Dartmouth Bedrock	DDBM	Victoria,Australia	36.5578S	147.5115E	329	
Dartmouth Crest	DDCM	Victoria,Australia	36.5609S	147.5241E	494	
Dartmouth Digital	DTMM	Victoria,Australia	36.5293S	147.4686E	436	
Daru	DNG	Papua New Guinea	9.0885S	143.2060E	3	
Darwin	DAR	Northern Territory,Australia	12.4083S	130.8180E	6	
Darwin (Calif)	DAC	California,U.S.A.	36.2770N	117.5937W	1813	From 1960-06-01
Darwin High School	AUDHS	Northern Territories,Australia	12.4400S	130.8300E	26	From 2013-08-11
Darwin Parliament House	DPH	Northern Territory,Australia	12.4667S	130.8423E	45	From 2009-01-01
Darwin Rock Store	DRS	Northern Territory,Australia	12.4313S	130.8993E	44	From 2009-01-01
Dashabbas	IDSA	Iran	32.4828N	47.8416E	0	From 1998-01-01
Dashiqiu	XPSS	Taiwan region	26.9300N	120.1900E	0	From 2011-07-22
Dasu	KMD1	Pakistan	35.2600N	73.2300E	902	From 2012-01-01
Datca	DAT	Turkey	36.7290N	27.5778E	1100	From 2005-10-08
Datca-Mugla	DATC	Turkey	36.7592N	27.6606E	89	From 2011-04-07
Datong	TTC	Shanxi,China	40.1350N	113.2370E	1175	
Datong	NNSB	Taiwan region	24.4284N	121.3828E	1102	From 2006-03-23
Datong	NNSH	Taiwan region	24.4284N	121.3829E	1106	From 2011-01-05
Datong Township	NDT	Taiwan region	24.6025N	121.5128E	239	From 2013-01-18
Davao	DAP	Mindanao,Philippines	7.0667N	125.6000E	19	From 1972-01-01 to 1999-08-25
Davao City--Mintal	DMPH	Mindanao,Philippines	7.0830N	125.5080E	150	
Davao City (W)	DAV	Mindanao,Philippines	7.0700N	125.5790E	145	From 1964-08-24
Davao Weather Station	DWP	Mindanao,Philippines	7.1272N	125.6557E		
Davenport	DVW	Washington,U.S.A.	47.6383N	118.2260W	717	From 1975-06-01
Davenport	DPW	Washington,U.S.A.	47.8706N	118.2030W	892	From 1986-11-01
Davenport Ranch, Sheffield	429A	Texas,U.S.A.	30.6248N	101.8938W	804	From 2009-02-13 to 2010-12-11
David	DVD	Panama	8.4358N	82.4506W	20	From 1986-06-01
David-gareji	DGRG	Georgia,Georgia	41.4507N	45.3732E	690	
David Mesa, Paradox Valley	PV11	Colorado,U.S.A.	38.2989N	108.8727W	1882	
Da Vinci Academy	DAIL	Illinois,U.S.A.	41.9776N	88.3414W	647	
Davis	J33A	South Dakota,U.S.A.	43.3185N	96.9667W	400	From 2010-07-27 to 2012-05-17
Davis Peak	DPD	California,U.S.A.	35.2330N	120.7817W	488	
Davis Ranch, Arriba	P26A	Colorado,U.S.A.	39.5602N	103.3465W	1566	From 2008-12-02 to 2010-10-14
Davos	DAVON	Switzerland	46.8368N	9.7967E	2800	
Davos	DAVOS	Switzerland	46.8394N	9.7939E	2800	From 1974-09-10 to 2002-02-15
Davos/Dischmatal	DAVOX	Switzerland	46.7805N	9.8795E	1830	From 2002-07-25
Dawn	P38A	Missouri,U.S.A.	39.6248N	93.5321W	248	From 2010-11-28 to 2012-09-14
Dawson	DAWY	Yukon Territory,Canada	64.0655N	139.3910W	808	From 1992-09-30
Dawson City	DWY	Yukon Territory,Canada	64.0533N	139.4320W	346	From 1984-09-17
Dawson Falls	DFE	North Island,New Zealand	39.3257S	174.1039E	880	From 1993-12-14 to 2010-02-23
Dawson Inlet	DAWS	British Columbia,Canada	53.2340N	132.4782W	211	
Dawson Inlet, BC	DIB	British Columbia,Canada	53.2025N	132.4767W	68	From 2004-03-15
DAWSON INLET T-PHASE SITE S1	H02S1	British Columbia,Canada	53.2025N	132.4766W	66	From 2006-11-20
Daxi	WLTB	Taiwan region	24.8526N	121.2524E	27	From 2001-11-20
Day	DAY	Djibouti	11.7527N	42.6382E		
Dayton	DYTN	Tennessee,U.S.A.	35.4910N	85.0920W	580	
Dayton Farm, Ripley	P56A	West Virginia,U.S.A.	39.5044N	78.8386W	249	From 2013-05-22
Deadman Bay	DMB	Alaska,U.S.A.	57.0872N	153.9600W	300	From 1975-10-01
Deadman Creek	MDCM	California,U.S.A.	37.7097N	119.0419W	2493	
Deadman Peak	DMPK	New Mexico,U.S.A.	36.4264N	106.7760W	2664	From 1976-11-22
Dead Sea	DSI	Israel	31.5700N	35.3800E	200	
Dead Sea Dam 2	DSD2	Israel	31.1800N	35.4400E	-390	
Deagu-acc	KSDAU	Republic of Korea	35.8856N	128.6187E	0	From 2007-12-11
Deakin University, Geelong	GEXS	Victoria,Australia	38.2008S	144.2902E	83	From 2013-02-25
Dease Lake	DLBC	British Columbia,Canada	58.4372N	130.0270W	978	From 1994-09-28
Dease Lake	DLB	British Columbia,Canada	58.4270N	130.0610W	1210	
Death Valley	DV-CL	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Death Valley	DV-	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
De Beque	P20A	Colorado,U.S.A.	39.4998N	108.3912W	1738	From 2007-12-08 to 2009-11-04
De Bilt	DBN	Netherlands	52.1017N	5.1767E	3	From 1908-08-01
Debin	DBI	Magadanskaya Oblast',Russia	62.3390N	150.7550E	332	
Debrecen	DEB	Hungary	47.5611N	21.6389E	0	
Decatur	N48A	Indiana,U.S.A.	40.8591N	85.0271W	250	From 2012-08-31
Deception Hills	DHAK	Alaska,U.S.A.	59.0912N	138.2136W	678	
Deception Island	DEC	South Shetland Islands	62.9833S	60.7167W	7	
Decorah	J39A	Iowa,U.S.A.	43.3354N	91.7062W	350	From 2011-06-12 to 2013-06-03
Dedoflistskaro	DDFL	Georgia,Georgia	41.4458N	46.1183E	856	From 2011-11-18
Deep Cove	DCZ	South Island,New Zealand	45.4647S	167.1535E	71	From 1991-05-28
Deep Springs	DSP	California,U.S.A.	37.3700N	117.9700W	0	
Deer Creek Reservoir	DCU	Utah,U.S.A.	40.4137N	111.5270W	1829	From 1974-11-01
Deer Hill, Carlsbad	225A	New Mexico,U.S.A.	32.1101N	104.8229W	1703	From 2008-03-26 to 2010-02-19
Deer Island	DRRA	Alaska,U.S.A.	54.9235N	162.2832W	380	
Deer Island	DRIA	Alaska,U.S.A.	54.9661N	162.2629W	457	From 1996-07-01
Deer Lake	DRLN	Newfoundland,Canada	49.2560N	57.5042W	238	From 1993-12-14
Deerlick Creek	DLC	Alabama,U.S.A.	33.2608N	87.4448W	137	
Deer Lodge	E15A	Montana,U.S.A.	46.4246N	112.6412W	1520	From 2006-10-10 to 2009-06-12
Degenried	ZUR	Switzerland	47.3692N	8.5809E	615	From 1913-01-01
Degeres	DGS	Kazakhstan	43.2420N	75.7720E	1262	From 1985-01-01
Degersheim	SGT03	Switzerland	47.3656N	9.1995E	920	From 2012-01-15
Dehradun	DHDN	Himachal Pradesh,India	30.3280N	78.0143E	619	From 2007-05-01
Dehra Dun	DDI	Uttar Pradesh,India	30.3225N	78.0556E	682	
Dehrash	IDHR	Iran	34.6997N	46.3867E	1866	From 2004-01-01
Deir Qamar	DQRL	Lebanon	33.7057N	35.5702E	963	From 2010-03-30
Dekalb	DEK	Illinois,U.S.A.	41.9331N	88.7650W	259	From 1987-01-01
Delaikoro	NDE	Fiji	16.5860S	179.3176E	941	From 1981-11-01
Delamar Landing Field, Caliente	S12A	Nevada,U.S.A.	37.6083N	114.8489W	1479	From 2007-02-10 to 2008-09-17
Delamar Mountains	DLM	Nevada,U.S.A.	37.6063N	114.7384W	1744	From 1978-06-08 to 2002-10-10
Del Amo	DLAC	California,U.S.A.	33.8482N	118.0962W	14	
Delano Plantation, Melville	443A	Louisiana,U.S.A.	30.7642N	91.7809W	10	From 2011-02-13 to 2012-11-28
Delary	DEL	Sweden	56.4700N	13.8700E	150	From 1969-10-25
Delary	DEL1	Sweden	56.4717N	13.8683E	150	From 1967-08-01 to 1969-10-24
Delaware Emergency Management Agency	DEMA	Delaware,U.S.A.	39.3187N	75.6098W	12	
Delaware (Ont)	DLA	Ontario,Canada	42.8583N	81.5733W	227	From 1975-06-01
Delcer	SLDE	St Lucia	13.8031N	61.0583W	246	
Delcommune	DCC	Democratic Republic of the Congo	10.5100S	25.4550E	1437	
Delhi	DH-NY	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delhi	DH-	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delisi	TBLG	Georgia,Georgia	41.7309N	44.7382E	510	From 1976-01-01
Dell	DLAR	Arkansas,U.S.A.	35.8097N	90.0080W	67	
Dellbruck	BA08	Nordrhein-Westfalen,Germany	50.9642N	7.0755E	58	From 2006-10-01
Delli Paoli	DPLY	New York,U.S.A.	41.2528N	73.9108W	67	
Dell Rapids	DL-SD	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Dell Rapids	DL-	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Delmo Park	DPM	Montana,U.S.A.	45.9690N	112.2690W	1855	From 1984-01-01 to 1985-07-22
Deloro Mine	DELO	Ontario,Canada	44.5177N	77.6186W	213	From 2009-05-29
Delphi	DLFA	Greece	38.4784N	22.4957E	560	From 2011-04-12
Delta	DELX	Baja California,Mexico	32.3552N	115.1872W	28	From 1987-02-01
Delta Junction E	DJE	Alaska,U.S.A.	64.0280N	145.6790W	378	From 1990-06-07 to 2002-12-20
Delta Microwave	DMW	Alaska,U.S.A.	64.0563N	145.7310W	346	From 1986-01-01
Del Valle	CL1	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Del Valle	CDVM	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Demacu	DEIG	Mexico D.F.,Mexico	20.3012N	99.0353W	1994	From 2003-06-28
Demirci	DEMI	Turkey	39.0428N	28.7162E	920	From 2007-05-21
Demirkent	DDEM	Turkey	40.8923N	41.7507E	1149	From 2007-09-26
Demirkopru	DKP	Turkey	38.6142N	28.3128E	250	
Demirkoy	DMK	Turkey	41.8216N	27.7572E	315	From 1970-08-01 to 2003-02-28
Demirtas	DMT	Turkey	40.2750N	29.0972E	140	From 1978-08-01 to 1999-08-25
Demmitville	DMV	Missouri,U.S.A.	36.7040N	89.7450W	89	
Demre-Antalya	DEMR	Turkey	36.2365N	29.9056E	168	From 2011-08-01
Denali Highway	DHY	Alaska,U.S.A.	63.0763N	147.3730W	1615	From 1993-07-06
Denizli	DENT	Turkey	37.7540N	29.0330E	637	
Denizli	UZP	Turkey	38.0313N	29.1746E	1203	From 2007-04-08
Denizli/˜ameli-Kal¯–nkoz	CAEL	Turkey	37.1229N	29.3199E	1386	From 2014-12-05
DENIZLI_Tavas	TAVA	Turkey	37.4657N	28.9132E	1016	From 2011-09-27
Denniston	DNS	South Island,New Zealand	41.7381S	171.7960E	600	From 1968-05-25 to 1968-07-02
Denniston North	DSZ	South Island,New Zealand	41.7449S	171.8046E	650	From 1990-02-18
Denny Creek	YPDC	Montana,U.S.A.	44.7095N	111.2397W	2025	
Denpasar	DNP	Bali,Indonesia	8.6772S	115.2102E	15	From 1968-01-01
Denpasar	IGBI	Bali,Indonesia	8.8181S	115.1456E	0	From 2005-01-01
Dent	DEI	Idaho,U.S.A.	46.6400N	116.1990W	960	From 1971-10-01 to 1974-07-25
Dent Fell	XDE	England,United Kingdom	54.5058N	3.4897W	291	From 1983-04-15
Denton	DNT	Texas,U.S.A.	33.2167N	97.1333W	208	From 1925-01-01 to 1999-08-25
Denver	DEN	Colorado,U.S.A.	39.7917N	105.0330W	1655	From 1909-08-01
Denville	DENJ	New Jersey,U.S.A.	40.9662N	74.4642W	298	
Deoband	DBND	Uttar Pradesh,India	29.7167N	77.7312E	210	From 2007-05-01
Deokjeokdo	KSDEI	Republic of Korea	37.2558N	126.1049E	0	From 2008-01-01
Deposit	DP-NY	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deposit	DP-	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deputatskiy	DEPR	Sakha,Russia	69.3920N	139.9020E	320	From 2003-08-27
Deqen	ST01	Xizang Zizhiqu,China	30.6497N	90.1335E	4792	From 1998-07-17 to 1999-05-27
Derazinda	DRP	Pakistan	31.7440N	70.2028E	638	
Derbent	DERT	Turkey	40.3558N	29.6760E	50	From 1994-01-01
Derbent	DRN	Dagestan,Russia	42.0300N	48.3300E	-28	
Derby	DVT	Vermont,U.S.A.	44.9620N	72.1709W	370	
Derby	DER	Colorado,U.S.A.	39.8678N	104.8840W		
Derby Farms, Drakesville	N39A	Iowa,U.S.A.	40.8776N	92.5023W	260	From 2010-11-16 to 2012-12-05
DeRidder	441A	Louisiana,U.S.A.	30.7498N	93.1898W	53	From 2011-02-11 to 2012-12-06
Dersam	DNY	New York,U.S.A.	42.8363N	78.1688W	381	From 1971-07-01 to 1979-04-30
Derveni	DVI	Greece	38.1020N	22.4090E	410	From 2006-05-10
DESA	DESA	Saudi Arabia	27.5060N	36.1640E	466	
Desaguadero	DSG	Bolivia	16.5594S	69.0250W	3810	
Des Bee Dove	DBD	Utah,U.S.A.	39.3137N	111.0925W	2265	
Dese	DESE	Ethiopia	11.1180N	39.6352E	2538	From 1988-01-01
Desenzano Tresine	GRDT	Italy	45.4853N	10.5227E	137	From 2004-01-10
Desert	DES	Hawaii,U.S.A.	19.3367N	155.3880W	815	From 1958-07-01
Desert Coulee Ranch, Glasgow	C21A	Montana,U.S.A.	47.8264N	107.0960W	804	From 2008-09-04 to 2011-01-13
Desert Hot Springs	DHS	California,U.S.A.	33.9667N	116.5000W	330	From 1948-01-01 to 1949-03-31
Deserto Penisola Sorrentina	DPS	Italy	40.6100N	14.3651E	456	From 1972-12-01
Deserto P. S.	DP1	Italy	40.6100N	14.3651E	456	From 1972-12-01
Desert Rsrch Ctr	DREC	California,U.S.A.	32.8053N	115.4468W	-13	
Desert Studies Ctr	DSCC	California,U.S.A.	35.1426N	116.1039W	283	
Desert Tortoise Park	DTP	California,U.S.A.	35.2675N	117.8450W	951	
Desert View Tower, Jacumba	DVTC	California,U.S.A.	32.6591N	116.1006W	881	From 2001-06-22 to 2010-01-14
Desfina	DESF	Greece	38.4127N	22.5321E	750	From 2008-06-12
Desfina	DSF	Greece	38.4112N	22.5271E	699	From 2008-02-28
Des Moines	DMI	Iowa,U.S.A.	41.6000N	93.6833W	296	From 1934-12-20 to 1937-06-30
Despedida	DSPA	Tierra del Fuego,Argentina	53.9536S	68.2668W	150	
Dessel	BDSL	Belgium	51.2168N	5.0648E	22	From 2008-11-01
Detroit Lake	H04A	Oregon,U.S.A.	44.6837N	122.1862W	652	From 2005-11-09 to 2008-12-03
Deva	DEV	Romania	45.8833N	22.9033E	250	From 1970-02-01
Devers	DEVC	California,U.S.A.	33.9360N	116.5779W	337	
Devilbend	DVBM	Victoria,Australia	38.2874S	145.0977E	75	
Devil Canyon	DVL	California,U.S.A.	34.1998N	117.3280W	598	From 1974-12-01 to 1976-11-30
Devil Mountain	DMA	Alaska,U.S.A.	66.3100N	164.5200W	243	From 1977-08-01
Devils Kitchen North	DKNM	California,U.S.A.	36.0510N	117.8088W	1347	
Devils Point	DVP	Vanuatu	17.7253S	168.1870E		
Devils Postpile	MDPM	California,U.S.A.	37.6325N	119.0797W	2315	
Devils Postpile Broadband	MDPB	California,U.S.A.	37.6323N	119.0793W	2360	
Devrek	DVR	Turkey	41.1594N	32.0075E	960	From 1991-01-01
Dezadeash Lake	DLY	Yukon Territory,Canada	60.3700N	137.0650W	738	From 1978-11-20 to 1981-03-31
Dgnorisa	DGN	Georgia,Georgia	42.4666N	42.8333E	450	From 1979-01-01
Dhahab	HDHB	Egypt	28.7221N	34.6188E	20	
Dhahran	DHR	Saudi Arabia	26.3039N	50.1389E	72	
Dhama@18r BB	DHBB	Yemen	14.5710N	44.3900E	2460	
Dhamar	DHMR	Yemen	14.5610N	44.3870E	2429	From 1994-06-01
Dhamar	DAMY	Yemen	14.5725N	44.3917E	2488	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
DHARAMSHALA	DHRM	Himachal Pradesh,India	32.2500N	76.3000E	1995	From 1998-09-20
Dharan Janob	DHJN	Saudi Arabia	17.6600N	43.4890E	2400	From 1990-06-13
Dharma Camp	DHRN	Northwest Territories,Canada	67.0331N	119.5088W	218	From 2009-07-15
Dharwar	DHD	Goa, Daman and Diu,India	15.4328N	74.9844E	755	
Dheba	NDEBA	Saudi Arabia	27.4650N	35.6540E	96	
Dhodishal	DHO	Pakistan	35.5850N	73.7090E	1847	From 2007-09-01
Dholavira	DOLA	Gujarat,India	23.5249N	70.1302E	36	From 2012-01-01
DHUBRI	DHUB	Assam,India	26.0201N	89.9955E	33	From 2011-05-01
Diablo Creek	DCD	California,U.S.A.	35.2122N	120.8408W	238	
Diadem	DMP	South Island,New Zealand	44.4126S	169.8273E	820	From 1975-03-15 to 1983-11-21
Diamantina, MG	DIAM	Brazil	18.2966S	43.6721W	1346	From 2015-01-20
Diamer-Basha	DAM1	Pakistan	35.5140N	73.7590E	1199	From 2007-09-01
Diamond	T38A	Missouri,U.S.A.	37.0354N	94.2930W	349	From 2011-01-25 to 2012-10-28
Diamond D Ranch, Stanley	H12A	Idaho,U.S.A.	44.5494N	114.8554W	1777	From 2006-11-17 to 2009-07-27
Diamond G Ranch, Dubois	I18A	Wyoming,U.S.A.	43.7013N	109.8171W	2322	From 2007-10-26 to 2009-09-18
Diamond Head	DHH	Hawaii,U.S.A.	21.2632N	157.8006W	125	From 1985-05-01
Diamond Ranch	DIR	California,U.S.A.	36.3363N	120.3760W	496	From 1973-11-07 to 1975-06-16
Diamondview Rd.	KB5O	Ontario,Canada	45.3931N	76.1453W	98	From 2013-10-01
Dianopolis -TO	RET6	Tocantins,Brazil	11.4560S	46.8860W	516	From 2012-06-14
Diavik Mine	DVKN	Northwest Territories,Canada	64.5092N	110.3096W	420	
DIBRUGARH	DIBR	Assam,India	27.4676N	94.9112E	90	From 2011-05-01
Dickey	D2A	Maine,U.S.A.	47.1303N	69.1503W	402	From 1976-10-01 to 1999-08-25
Dickey	D3A	Maine,U.S.A.	47.0875N	69.1669W	259	From 1976-10-01 to 1999-08-25
Dickey	D6A	Maine,U.S.A.	47.0890N	69.4957W	430	
Dickey	D4A	Maine,U.S.A.	47.1881N	69.2767W	490	
Dickey	D1A	Maine,U.S.A.	47.0586N	69.0989W	305	From 1976-10-01 to 1999-01-31
Dickey	D5A	Maine,U.S.A.	47.0113N	69.2650W	365	
Dickinson College	DCP	Pennsylvania,U.S.A.	40.2040N	77.1970W	143	From 1990-01-14
Dider Farm, Eltopia	E08A	Washington,U.S.A.	46.4911N	119.0595W	233	From 2006-09-26 to 2008-12-03
Didima	DID	Greece	37.5063N	23.2368E	520	From 2006-04-10
Didim-Aydin	DIDI	Turkey	37.3766N	27.2398E	75	From 2011-04-19
Didyma	DIDY	Greece	37.4765N	23.2118E	1036	From 2008-10-13
Didziasalis	IDID	Lithuania	55.3148N	26.7390E	111	
Diego Aracena	TA01	Tarapac^¡	20.5657S	70.1807W	75	From 2013-11-21
Diego Carcia HYDROACOUSTIC SITE N1	H08N1	Chagos Archipelago	6.3421S	71.0143E	-3556	From 2010-01-24
Diego Carcia HYDROACOUSTIC SITE S1	H08S1	Chagos Archipelago	7.6453S	72.4744E	-3302	From 2010-01-24
Diego Garcia	DGAR	Chagos Archipelago	7.4121S	72.4525E	0	
Diego Garcia HYDROACOUSTIC SITE N2	H08N2	Chagos Archipelago	6.3251S	71.0001E	-3616	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE N3	H08N3	Chagos Archipelago	6.3454S	70.9919E	-3524	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE S2	H08S2	Chagos Archipelago	7.6453S	72.4933E	-3274	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE S3	H08S3	Chagos Archipelago	7.6275S	72.4838E	-3135	From 2010-01-24
DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	DGAR	Chagos Archipelago	7.3778S	72.4842E	1	From 2002-12-18
Dienbien	DBV	Vietnam	21.3900N	103.0250E	1050	
Dierke Farm, Cannon Falls	H37A	Minnesota,U.S.A.	44.5812N	92.9181W	321	From 2010-09-27 to 2012-09-10
Difesa San Luca	DSB1	Italy	41.2872N	14.9769E	940	
Diga del Menta	ME05	Italy	38.1243N	15.8999E	1458	From 2007-10-22 to 2010-01-31
Digger Butte	LDBM	California,U.S.A.	40.4317N	121.7850W	1225	
Dighton	R30A	Kansas,U.S.A.	38.2844N	100.2769W	776	From 2009-04-16 to 2011-03-17
DIGLIPUR	DGPR	Andaman Islands,India	13.1776N	92.9305E	30	From 2008-01-27
Digne	OGDI	Provence-Cote d'Azur,France	44.1100N	6.3003E	770	
Digne	OG29	Rhone-Alpes,France	44.0925N	6.2650E	685	From 1991-01-22
Digorskoe uzhel'e	DIGR	Severo-Osetinskaya,Russia	42.8994N	43.5807E	1907	From 2003-11-01
Dikili	DKL	Turkey	39.0713N	26.9054E	45	From 2010-07-22
Dikmen	DIKM	Turkey	41.6496N	35.2578E	258	From 2006-06-27
Dilar	DILR	Spain	37.0430N	3.6188W	1100	
Dilar	EXDI	Spain	37.0680N	3.6010W	898	
Dili	DLI	East Timor,East Timor	8.5669S	125.5533E	0	
Dilla	DILA	Ethiopia	6.4343N	38.2867E	1432	
Dillingham	DLL	Alaska,U.S.A.	59.0000N	158.7000W	0	
Dillon	DI-	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	G15A	Montana,U.S.A.	45.1660N	112.4887W	1857	From 2006-11-09 to 2009-06-09
Dillon	DI-MA	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	DLMT	Montana,U.S.A.	45.3625N	112.5964W	1569	
Dillon Ranch	DIL	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	HDLM	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	AN5*	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dilts Ranch, Bill	J23A	Wyoming,U.S.A.	43.4036N	105.5524W	1499	From 2008-10-15 to 2010-09-08
Dimbokro	DBIC	Ivory Coast	6.6701N	4.8563W	25	
DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	DIXI	Ivory Coast	6.6704N	4.8569W	156	From 2002-03-29
Dimitropoulo, Aigialia, West Greece	DIMT	Greece	38.2468N	22.0436E	72	From 2000-05-15
Dimitrovgrad	DIM	Bulgaria	42.0500N	25.5333E	160	
Dimmadals^¡s	IDIM	Iceland	65.9615N	16.9319W	266	From 2008-11-20
Dimmitt	X28A	Texas,U.S.A.	34.5185N	102.1973W	1160	From 2009-01-22 to 2010-11-15
Dimona	DIMI	Israel	31.0080N	35.1020E	520	
Dine' College, Tsaile	U19A	Arizona,U.S.A.	36.2925N	109.2076W	2166	From 2008-02-21 to 2009-03-18
Dingess, Beckley	S54A	West Virginia,U.S.A.	37.7997N	81.3114W	636	From 2013-05-17
Dionisos Attiki	DION	Greece	38.0779N	23.9331E	457	From 2011-12-22
Dipolog	DIP	Mindanao,Philippines	8.6000N	123.3500E	3	From 1972-01-01 to 1972-10-31
Dipolog City	DCPH	Mindanao,Philippines	8.5830N	123.3520E	5	
Dique - Cabra Corral	AQCC	Salta,Argentina	25.2687S	65.3293W	1020	From 1996-08-30
Dirks Ranch, Alva	H24A	Wyoming,U.S.A.	44.7473N	104.5524W	1166	From 2008-10-20 to 2010-08-14
Disappointment Valley, Cahone	S20A	Colorado,U.S.A.	37.8300N	108.3605W	2355	From 2008-06-19 to 2009-11-11
Discovery Mine	DSMN	Northwest Territories,Canada	63.1799N	113.9004W	307	
Disk Island	DSK	Alaska,U.S.A.	60.5020N	147.6470W	15	From 1974-07-27 to 1975-10-18
Disney Wilderness Preserve, Florida	DWPF	Florida,U.S.A.	28.1103N	81.4327W	30	From 2010-09-24
Divibare	DIVS	Serbia	44.0982N	19.9917E	996	From 2003-09-27
Divide	DIV	Alaska,U.S.A.	61.1295N	145.7717W	931	
Divide	Q24A	Colorado,U.S.A.	38.9641N	105.1492W	2775	From 2008-06-28
Divnogorie	VORD	Voronezhskaya Oblast',Russia	50.9660N	39.2930E	94	From 1998-02-01
Divnogorsk	DVG	Krasnoyarskiy Kray,Russia	55.9561N	92.4036E	241	From 2001-12-18
Divot King Ranch, Dilley	733A	Texas,U.S.A.	28.7192N	99.2939W	169	From 2009-12-03 to 2011-10-11
Dixie Hot Springs	DIXR	Nevada,U.S.A.	39.8022N	118.0820W	1143	From 1980-01-01
Dixie Valley	P08A	Nevada,U.S.A.	39.6946N	118.0800W	1040	From 2006-02-26 to 2008-03-11
Dixon Mills	248A	Alabama,U.S.A.	32.0940N	87.7393W	103	From 2011-04-08 to 2013-01-25
Dixon Ranch, Lance Creek	J24A	Wyoming,U.S.A.	43.3305N	104.6613W	1315	From 2008-10-25 to 2010-09-11
Diyadin	DYDN	Turkey	39.5436N	43.6889E	2010	From 2006-09-13
Diyarbakir	DIY	Turkey	37.8958N	40.2263E	900	From 1994-01-06
Diyarbakir	DYBB	Turkey	37.9531N	40.1394E	826	From 2009-12-10
Diyarbakir	DIYA	Turkey	37.9234N	40.1208E	838	From 2006-12-18
Diyarbakir_Hani	HANI	Turkey	38.4147N	40.3994E	923	From 2011-10-30
Djebel Ababsia	CABS	Algeria	36.2733N	7.4778E	1025	
Djebel Ababsia	ABSA	Algeria	36.2733N	7.4778E	1025	
Djebel Berber	OJBR	Algeria	35.5835N	0.3450E	800	
Djebel Bou Affroun	DFRA	Algeria	36.5450N	5.8769E	1187	
Djebel Bou Ahmed	EBHM	Algeria	36.3772N	1.0758E	829	
Djebel Bou Ietas	OBLS	Algeria	34.9750N	0.4420W	1053	
Djebel Bou Maad	EBOM	Algeria	36.4222N	2.2128E	1225	
Djebel Bou Yalou	EBYL	Algeria	36.4242N	1.8325E	1051	
Djebel Djouab	ADJB	Algeria	36.1577N	3.4380E	1140	
Djebel Guires	OJGS	Algeria	35.5045N	0.7497E	920	
Djebel Kef Guellal	OKGL	Algeria	36.0380N	0.6430E	560	
Djebel Ketaf	AKET	Algeria	36.0470N	3.8822E	1428	
Djebel Kodjel	OKJL	Algeria	35.0405N	0.1647E	1075	
Djebel Mahouada	EMHD	Algeria	36.2008N	2.9530E	1250	
Djebel Manchoura	CMAH	Algeria	36.6250N	7.4197E	795	
Djebel Midouna	OMID	Algeria	35.2800N	0.1900W	745	
Djebel Saadia	ESAD	Algeria	35.9167N	1.3572E	890	
Djebel Tachoubennt	ETHB	Algeria	36.0245N	1.7300E	1070	
Djebel Tanoua	ETAN	Algeria	35.9083N	2.3358E	1595	
Djebel Tarf	ATAF	Algeria	35.8737N	4.2772E	1000	
Djebel Teioualt	CTEI	Algeria	36.0630N	6.4063E	1285	
Djebel Tessala	OTSS	Algeria	35.2817N	0.7942W	1055	
Djerdap	DJES	Serbia	44.6660N	22.5200E	392	From 1996-05-20
Djoy, Khakassia, Russia	DJO	Khakassia,Russia	52.7818N	91.2180E	553	From 2003-11-16
Djoyskaya Sosnovka, Khakassia, Russia	DJOS	Khakassia,Russia	52.7945N	91.3984E	569	From 2011-02-03
Dmanisi	DMNS	Georgia,Georgia	41.3300N	44.2000E	1260	
Dmanisi	DMNI	Georgia	41.3291N	44.1902E	1256	From 2013-11-16
DMTO	DMTO	Oman	17.7163N	54.9475E	161	
Doab	IDOB	Iran	33.7874N	48.1774E	1935	From 2008-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Doan Hung	DHV	Vietnam	21.6268N	105.1838E	70	
Dobbs Creek Ranch, Lacey	D04A	Washington,U.S.A.	47.1109N	122.8035W	31	From 2005-10-24 to 2008-03-29
Dobcross Hall	BDL	Scotland,United Kingdom	54.8030N	2.9385W	157	
Doboj	DOB	Bosnia and Herzegovina	44.7330N	18.1000E	165	From 2003-09-01
Dobrich	DOBAM	Bulgaria	43.5811N	27.8310E	246	From 2012-11-20
Dobrina	DOBS	Slovenia	46.1495N	15.4691E	425	From 1996-12-01
Dobrovo	DBY	Slovenia	45.9990N	13.5280E	100	From 1989-08-14 to 1989-08-17
Dobruska-Polom	DPC	Czech Republic	50.3502N	16.3222E	748	
Dobryanka	PR2R	Permskiy Kray,Russia	58.5482N	56.1868E	120	From 2002-02-14
Dochfour	MDO	Scotland,United Kingdom	57.4410N	4.3630W	366	From 1981-01-01
Dochia	DOC	Romania	46.9069N	26.5500E	330	From 1984-01-01 to 1988-08-15
Docker River	DOCK	Western Australia,Australia	24.8380S	129.0334E	650	
Doda	DODA	Jammu and Kashmir	33.1452N	75.5552E	1126	
Dodaira	DDR	Saitama,Japan	35.9983N	139.1930E	800	From 1966-04-01
Dodoma	DODM	Tanzania,United Republic of Tanzania	6.2070S	35.7562E	1183	
Dodoma	DOD	Tanzania,United Republic of Tanzania	6.2083S	35.7556E	1204	
Dodoma, Tanzania	DODT	Tanzania,United Republic of Tanzania	6.1900S	35.7500E	1114	From 2007-02-11
Dodoni	DDN	Greece	39.5314N	20.8449E	1108	From 2007-11-07
Dodson Butte	DBO	Oregon,U.S.A.	43.1192N	123.2430W	984	From 1990-08-01
Doe Ridge	MDRNC	California,U.S.A.	37.6379N	118.8357W	2191	
Doetra (Olivone)	DOETR	Switzerland	46.5324N	8.8773E	1771	From 2005-12-15
Dog Skin Mountain	DSM	Nevada,U.S.A.	39.8672N	119.7087W	1804	
Dogwood	DWDM	Missouri,U.S.A.	36.7961N	89.4927W	89	
Dogwood	DWM	Missouri,U.S.A.	36.8050N	89.4900W	92	From 1974-11-20
Dogwood Acres, Gardner	D32A	North Dakota,U.S.A.	47.1354N	97.0164W	280	From 2010-08-15 to 2012-06-21
Doima	ST27	Xizang Zizhiqu,China	32.7437N	88.8506E	4867	From 1998-07-25 to 1999-06-05
Doi Son	DSV	Vietnam	20.5870N	105.9740E	70	
Dolbeau-Mistassini	DMCQ	Quebec,Canada	48.9646N	72.0680W	197	From 2009-09-15
Dolgoi Island	DOL	Alaska,U.S.A.	55.1485N	161.8636W	442	From 1996-07-01
Dolgoi Island	DLG	Alaska,U.S.A.	55.1410N	161.8358W	367	
Dolores	ABRA	Luzon,Philippines	17.6490N	120.7120E	50	
Dombai	DOMR	Stavropol'skiy Kray,Russia	43.2920N	41.6240E	1608	From 2006-10-25
Dombas	DOMB	Norway	62.0424N	9.0642E	660	
Domengine Ranch	PDRM	California,U.S.A.	36.3357N	120.3690W	488	
Domenigoni Valley Reservoir	DGR	California,U.S.A.	33.6500N	117.0095W	609	From 1993-03-17
Dome Shelter	DRZ	North Island,New Zealand	39.2753S	175.5635E	2692	From 1984-03-23
Dominica	DOM	Dominica	15.2960N	61.3910W	15	From 1953-02-03
Dominica; Chance, Portsmouth	MDPO	Dominica	15.5760N	61.4510W	8	From 2009-11-01
Dominical	EDDO	Costa Rica	9.2530N	83.8640W	40	
Dominica, Moore Park	MDMP	Dominica	15.5958N	61.4115W	180	From 2010-01-27
Dominica, Pennville	MDPV	Dominica	15.6275N	61.4220W	320	From 2010-01-27
Dominica, Vielle Case	MDVC	Dominica	15.6142N	61.4055W	100	From 2009-12-17
Domo	DOMO	Ecuador	0.3033N	78.3592W	3600	From 1994-04-01 to 1994-08-31
Domodossola	DMD	Italy	46.1167N	8.3000E	280	
Dompierre	DOMF	Nord-Pas-de-Calais,France	50.1288N	3.8610E	145	
Donald B. Munro Dr,	KB4O	Ontario,Canada	45.3743N	76.1633W	102	From 2013-10-01
Don Dixon Farm, Corydon	S46A	Kentucky,U.S.A.	37.6849N	87.7153W	125	From 2011-11-24
Dongducheon	KSDDC	Republic of Korea	37.9000N	127.0577E	112	From 2000-11-10
DONGHAE	KSTOH	Republic of Korea	37.5026N	129.1226E	40	From 2000-03-10
Donghe	EDH	Taiwan region	22.9725N	121.3039E	79	From 2014-07-28
Dongobesh	DONB	Tanzania,United Republic of Tanzania	3.9110S	35.2540E	1472	
Dongo Capesterre	DOG	Guadeloupe,France	16.0320N	61.6178W	460	
Dongola	DON	Missouri,U.S.A.	37.1760N	89.9330W	165	From 1974-07-10
Don Marcelino, Davao Occidental, Philippines	DDMP	Mindanao,Philippines	6.1045N	125.7113E	100	From 2012-07-20
Donna J Jenkins	DJJ	California,U.S.A.	34.1062N	118.4551W	268	
Donnelly	H11A	Idaho,U.S.A.	44.7035N	116.0127W	1525	From 2006-10-27 to 2008-07-16
Donnelly Dome	DDM	Alaska,U.S.A.	63.7872N	145.8630W	920	From 1977-09-01
Donner Summit	DONR	California,U.S.A.	39.3517N	120.3205W	2268	
Don Santos Ranch	CDSM	California,U.S.A.	37.9663N	122.2530W	109	From 1973-11-15
Doolan Road	CDOM	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doolan Road	DOO	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doongara	DNGQ	Queensland,Australia	20.5550S	146.4750E	280	From 1984-02-29
DOOR	DOOR	Bolivia	19.3535S	67.2221W	3749	From 1994-05-30 to 1995-08-08
Dopca	DOPR	Romania	45.9674N	25.3887E	526	From 2005-08-31
Dorado de Cascales	CASC	Ecuador	0.1368N	77.3390W	1029	From 2012-07-12
Dora Dora	DRAM	Victoria,Australia	35.9654S	147.3754E	230	
Dorchester	DRC	South Carolina,U.S.A.	33.1075N	80.3883W	20	
Dorgali Grotta	DGI	Sardinia,Italy	40.3182N	9.6067E	343	
Dorot	DOR	Israel	31.5090N	34.6860E	130	
Dorr	K46A	Michigan,U.S.A.	42.6864N	85.7834W	213	From 2012-09-09
Dortyol	DRTT	Turkey	36.8400N	36.2480E	45	From 1994-03-01
Dortyol-Hatay	DORT	Turkey	36.8260N	36.1967E	27	From 2011-09-01 to 2013-12-01
Dos Bocas Dam	DOS	Puerto Rico	18.3294N	66.6789W	400	From 1974-08-16 to 1975-07-17
Dos Picos Cty Pk	DPP	California,U.S.A.	32.9986N	116.9415W	463	
Dos Rios de Upala	2RIO	Costa Rica,Costa Rica	10.5284N	85.2332W	619	
Dosso, Cento (FE)	T0803	Italy	44.7668N	11.3508E	9	From 2012-05-21 to 2012-08-27
Dosso del Sommo	DOSS	Italy	45.8808N	11.1884E	1660	From 2011-12-12
Dosso del Sommo	DDS	Italy	45.8808N	11.1884E	1664	From 1982-01-01 to 2011-12-12
Dot Lake	DOT	Alaska,U.S.A.	63.6487N	144.0620W	671	From 1986-01-01
Double 8 Ranch, Willits	P01C	California,U.S.A.	39.4690N	123.3375W	440	From 2005-08-24 to 2007-09-04
Double "B" Farms	T59A	Virginia,U.S.A.	36.9716N	77.5541W	63	From 2013-03-20
Double Butte	DB2	California,U.S.A.	33.7352N	117.0629W	591	
Double Diamond Ranch, Oakley	L13A	Idaho,U.S.A.	42.0886N	113.9444W	1482	From 2006-12-13 to 2008-08-07
Double Mountain	DBM	California,U.S.A.	34.9790N	118.3610W	1204	
Double T Ranch, Babb	A14A	Montana,U.S.A.	48.9725N	113.4218W	1420	From 2007-09-03 to 2009-08-13
Douglas	319A	Arizona,U.S.A.	31.3757N	109.2809W	1187	From 2007-03-06 to 2010-05-28
Douliou City	WDL	Taiwan region	23.7150N	120.5390E	41	From 1999-08-04
Douliu	WDLH	Taiwan region	23.6888N	120.5381E	69	From 2011-01-05
Dourbes	NE06	Belgium	50.0960N	4.5942E	225	From 1982-07-01 to 2001-07-28
Dourbes	DOU	Belgium	50.0960N	4.5950E	224	From 1982-07-01
Downhole Baldwin Hills	DHB	California,U.S.A.	34.0175N	118.3850W		From 1973-03-01
Downie Pk Ridge	DPRB	British Columbia,Canada	51.5750N	118.1970W	2135	
Downie Slide	DOWB	British Columbia,Canada	51.5183N	118.5160W	594	
Downsview	DVO	Ontario,Canada	43.7833N	79.5167W	193	From 1975-08-01
Doyle Hill	DHN	New York,U.S.A.	42.8255N	78.1930W	491	
Dozier	350A	Alabama,U.S.A.	31.4207N	86.3353W	109	From 2012-01-21
DQM	DQM	Oman	19.9289N	57.5393E	169	
Dracevica, Montenegro	DRME	Montenegro	42.1867N	19.1843E	300	From 2009-06-09
Draeger Farm, Ripon	I42A	Wisconsin,U.S.A.	43.8908N	88.9134W	298	From 2011-09-28 to 2013-11-27
Dragan	DRR	Romania	46.7869N	22.7219E	955	From 1979-01-01 to 2004-03-05
Dragano-Lefkada	DRAG	Greece	38.6839N	20.5746E	348	From 2014-09-01
Dragasani	DRA	Romania	44.6786N	24.2561E	180	From 1978-01-01
Drage	N2B4	Norway	62.1190N	5.2430E	110	
Dragoon	218A	Arizona,U.S.A.	31.9737N	110.0464W	1486	From 2007-03-05 to 2009-01-20
Dragot	DRGI	Israel	31.5930N	35.3920E	12	
Drain, OR	I03D	Oregon,U.S.A.	43.6972N	123.3487W	140	From 2009-11-03
Drake	X35A	Oklahoma,U.S.A.	34.3995N	96.9731W	300	From 2010-04-18 to 2012-02-02
Drake Creek	DCID1	Idaho,U.S.A.	43.5945N	111.1845W	1871	
DRAMA	DRA2	Greece	41.1593N	24.1485E	110	From 2013-06-30
Dramaga	DBJI	Jawa,Indonesia	6.5538S	106.7497E	211	From 2005-01-01
Draper Farm, Castleford	K12A	Idaho,U.S.A.	42.6360N	114.9029W	1091	From 2006-12-11 to 2008-07-25
Dreilaegerbach Talsperre	DREG	Nordrhein-Westfalen,Germany	50.6630N	6.2330E	390	From 2006-11-01
Drenchia	DRE	Italy	46.1733N	13.6433E	810	From 1982-12-20
Drewsey	I08A	Oregon,U.S.A.	43.9104N	118.5692W	1189	From 2006-07-23 to 2008-04-06
Drift River	DFR	Alaska,U.S.A.	60.5920N	152.6860W	1097	From 1988-08-15
Dromana	DROM	Victoria,Australia	38.3482S	144.9598E	138	
Drossia	DRO	Greece	37.9523N	21.7104E	422	From 2009-07-16
Drum Mountains (BLM), Topaz	P14A	Utah,U.S.A.	39.5906N	113.0687W	1784	From 2007-06-12 to 2008-11-18
Drumtochty	EDR	Scotland,United Kingdom	56.9190N	2.5393W	388	From 1989-01-12
Dry Creek	GDCM	California,U.S.A.	38.7672N	123.2400W	772	From 1975-05-07
Dry Creek	DCI	Idaho,U.S.A.	43.9548N	111.0960W	2020	From 1974-06-01 to 1980-07-24
Dry Creek	MDYM	California,U.S.A.	37.6580N	119.0122W	2789	
Dry Ridge	DY-KY	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Dry Ridge	DY-	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Drytown Water District	ADWM	California,U.S.A.	38.4392N	120.8480W	251	From 1976-07-21
Dry Willow Peak	DWU	Utah,U.S.A.	38.1053N	112.9980W	2270	
Duane Minner, Soldier	P35A	Kansas,U.S.A.	39.5286N	96.0188W	418	From 2010-05-16 to 2012-03-16
Duarte Ranch	DUC	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duba	DBAS	Saudi Arabia	27.2100N	35.9700E	452	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dubbo College Senior Campus	AUDCS	New South Wales,Australia	32.2300S	148.6300E	276	From 2013-05-29
Dubki	DBC	Dagestan,Russia	43.0200N	46.8300E	900	
Dublin	DSB	Ireland	53.2452N	6.3762W	236	From 1993-12-01
Dublin Merrion Square	DMS	Ireland	53.3406N	6.2486W	5	From 1990-11-01 to 2002-01-06
DUBNA INFRASONIC ARRAY REFERENCE POINT	I43RU	Moskovskaya Oblast',Russia	56.7214N	37.2176E	120	From 2009-05-20
Dubrovnik	DBR	Croatia	42.6470N	18.0790E	68	
Dubrovnik	DBRK	Croatia	42.6691N	18.1469E	293	
Dubuque	DBQ	Iowa,U.S.A.	42.5067N	90.6833W	244	From 1962-01-01
Ducktown	DCT	Tennessee,U.S.A.	35.0542N	84.4194W	508	
Duckwater	Q11A	Nevada,U.S.A.	38.8455N	115.6541W	1562	From 2006-06-08 to 2008-09-11
Dugan Ranch, Towner	B28A	North Dakota,U.S.A.	48.4492N	100.3616W	451	From 2009-08-10 to 2011-07-16
Dugi Otok	DUOK	Croatia	44.1131N	14.9318E	115	
Dugi Otok	DUGI	Croatia	43.9918N	15.0579E	299	
Dugout Coal Mine	DCM	Utah,U.S.A.	39.6950N	110.5833W	2537	
Dugway, Tooele County	DUG	Utah,U.S.A.	40.1950N	112.8133W	1477	From 1962-05-09
Duke of York Island	DOY	New Britain,Papua New Guinea	4.2170S	152.3980E	1	From 1983-11-17
Dulce	DNM	New Mexico,U.S.A.	36.9333N	106.9960W		
Duluth	DUL	Minnesota,U.S.A.	46.8200N	92.0833W	340	From 1952-01-01 to 1961-12-31
Dumoine, Pontiac MRC	E53A	Quebec,Canada	46.3784N	77.6638W	355	From 2012-09-12
Dumont d'Urville	DRV	Terre Adelie	66.6650S	140.0090E	40	
Dun	DUNF	Midi-Pyrenees	43.0240N	1.8110E	390	From 2015-07-13
Dunai	DUYS	Sakha,Russia	73.9200N	124.4900E	5	From 1988-11-01 to 1995-02-01
Dundee	EDU	Scotland,United Kingdom	56.5475N	3.0142W	275	From 1969-01-01
Dunderburg Mountain	DBMY	New York,U.S.A.	41.2944N	73.9750W	27	
Dundo	DUN	Angola	7.4088S	20.8372E	709	From 1970-03-01
Dundret	DUNU	Sweden	67.1215N	20.5688E	500	From 2003-11-25
Dunedin	DNZ	South Island,New Zealand	45.8647S	170.5151E	15	From 1979-11-02 to 1991-08-31
Dunedin-Penfold	DND	South Island,New Zealand	45.8817S	170.5318E	100	From 1945-01-01 to 1983-10-31
Dungji	WDGT	Taiwan region	23.2600N	119.6600E	33	
Dungshr Township	TWDS	Taiwan region	24.2600N	120.8310E	367	From 2001-04-10
Dunmovintown East	DTEM	California,U.S.A.	36.0975N	117.9258W	1152	
Dunnerdale	CDU1	England,United Kingdom	54.3362N	3.1952W	355	From 1992-01-01
Dunnigan Hills	NDHM	California,U.S.A.	38.7655N	121.9120W	69	
Dunn Peak	DPI	Idaho,U.S.A.	47.2887N	116.8990W	1709	
Dunn Ranch,Anza	DNR	California,U.S.A.	33.5667N	116.6306W	1274	From 2001-10-22
DUNO	DUNO	Costa Rica	10.0791N	85.4937W	188	
Dunphy	N10A	Nevada,U.S.A.	40.7186N	116.5080W	1392	From 2006-05-02 to 2008-08-15
Dunsink Observatory	DDK	Ireland	53.3869N	6.3392W	85	From 1977-04-01 to 2002-01-06
Dunstable	K63A	New Hampshire,U.S.A.	42.6888N	71.5283W	68	From 2013-09-08
Duppenweiler	DUP	Rheinland-Pfalz,Germany	49.4113N	6.7863E	280	
Dupree	G27A	South Dakota,U.S.A.	45.3791N	101.9310W	761	From 2009-06-25 to 2011-05-26
Duragan	DGT	Turkey	41.4258N	35.0655E	255	From 1976-09-01
Durango	DR-CO	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durango	DGC	Colorado,U.S.A.	37.2625N	107.8990W	2340	From 1970-01-01 to 1972-11-30
Durango	DR-	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durant	DU-OK	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	DU-	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	Y36A	Oklahoma,U.S.A.	33.8996N	96.2848W	186	From 2010-04-26 to 2012-02-08
Durate Ranch	CDUM	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duren	BA11	Nordrhein-Westfalen,Germany	50.7666N	6.5010E	138	From 2006-10-01
Durham	DUR	England,United Kingdom	54.7684N	1.5850W	103	
Durham (NH)	DNH	New Hampshire,U.S.A.	43.1225N	70.8948W	24	From 1976-01-01
Durham Road	DREZ	North Island,New Zealand	39.1888S	174.2010E	272	From 2008-03-04
Durika	DRK0	Costa Rica	9.2630N	83.2450W	1475	
Durkee	H09A	Oregon,U.S.A.	44.6653N	117.6643W	1263	From 2006-07-29 to 2008-07-12
Duronia	DUI	Italy	41.6589N	14.4581E	918	
Durres	DURR	Albania	41.3199N	19.4573E	10	From 2015-01-15
Dursunbey	DST	Turkey	39.6040N	28.6191E	685	From 1975-10-22
Dursunbey	DURS	Turkey	39.6011N	28.4742E	960	From 2007-05-29
Dursunbey	DRB	Turkey	39.5811N	28.6374E	620	From 1970-08-01 to 1975-10-22
D'Urville Island	DUWZ	South Island,New Zealand	40.8017S	173.9217E	484	From 2003-12-10
D'Urville Island	DIW	South Island,New Zealand	40.8005S	173.9222E	460	From 1990-04-18 to 2004-06-09
Dushanbe	DSH	Tajikistan	38.5583N	68.7750E	847	
Dusheti	DUS	Georgia,Georgia	42.0902N	44.7019E	946	From 1953-01-01
Dusing	DSN	New York,U.S.A.	42.8443N	78.1803W	412	From 1971-07-01 to 1976-01-16
Dusty Glacier	YUK7	Yukon Territory,Canada	60.5307N	138.1399W	1992	From 2010-08-24
Dutch Harbor	DHA	Alaska,U.S.A.	53.8950N	166.5330W		
Dutch Harbor	DUT	Alaska,U.S.A.	53.8983N	166.5370W	60	
Dutton Round Hill	DT1	Alaska,U.S.A.	55.1075N	162.2808W	210	From 1996-08-01
Dutton South Flank	DTNA	Alaska,U.S.A.	55.1493N	162.2520W	366	From 1996-08-01
Duxbury	DXB	Massachusetts,U.S.A.	42.0610N	70.6992W	8	
Duxbury	DUX	Massachusetts,U.S.A.	42.0686N	70.7678W	27	From 1976-10-01
D`…zce	YIGI	Turkey	40.9631N	31.4485E	353	From 2013-01-30
Dweir	DWR	Lebanon	33.3855N	35.4013E	420	
Dwight	DTN	Nebraska,U.S.A.	41.0217N	97.0358W	464	From 1980-08-25
Dyer Hill	DHW	Washington,U.S.A.	47.9605N	119.7690W	850	From 1975-06-01
Dyer Hill 2	DHW2	Washington,U.S.A.	47.9853N	119.7700W	884	
Dyersburg	DRTN	Tennessee,U.S.A.	36.1370N	89.3650W	137	From 1989-08-08
Dyersburg	DY1	Tennessee,U.S.A.	36.1917N	89.3917W	120	From 1969-01-01 to 1970-12-31
Dylym	DLMR	Dagestan,Russia	43.0700N	46.6300E	420	
Dyngjuhals	IDYN	Iceland	64.7909N	17.3663W	1209	From 2011-09-29
Dyngjujokull	DJK	Iceland	64.5041N	17.2357W	1683	From 2014-08-17
Dzhafr	DZH	Tajikistan	39.1000N	70.5833E	1650	
Dzhankel'dy	DZN	Uzbekistan	40.8500N	63.3400E	211	
Dzherino	DZE	Tajikistan	38.7800N	68.8300E		
Dzherino	DZET	Tajikistan	38.8055N	68.8270E	1200	From 2010-02-23
Dzhirgatal'	DZT	Tajikistan	39.2200N	71.2200E		
Dzhizak	DZI	Uzbekistan	40.1200N	67.8200E	384	
Dziouia	ODZI	Algeria	35.2900N	1.2300W	293	From 2005-01-01
e3183	WP22	Namibia	19.8847S	13.9487E	908	From 2011-05-15
e3369	WP04	Namibia	21.2304S	14.9014E	863	From 2010-10-26
e3371	WP05	Namibia	20.5439S	14.4625E	604	From 2010-10-27
e3372	WP08	Namibia	19.8747S	12.9770E	6	From 2010-11-01
e3376	WP21	Namibia	19.6217S	14.8483E	1233	From 2010-10-30
e3380	WP02	Namibia	21.3047S	14.4751E	677	From 2010-10-25
e3381	WP01	Namibia	21.3520S	15.4405E	960	From 2010-10-24
e3382	WP06	Namibia	20.2142S	15.0128E	1080	From 2010-10-28
e3385	WP20	Namibia	18.6871S	14.9460E	1139	From 2010-11-15
Eade Ranch	EADB	California,U.S.A.	35.8952N	120.4229W	254	
Eads	R27A	Colorado,U.S.A.	38.2859N	102.7980W	1201	From 2008-12-08 to 2010-11-07
Eagle	EGAK	Alaska,U.S.A.	64.7774N	141.1581W	296	
Eagle	P22A	Colorado,U.S.A.	39.5952N	106.7589W	2170	From 2008-06-22 to 2010-06-15
Eagle	EGC	Colorado,U.S.A.	39.6525N	106.8280W	2010	From 1970-01-01 to 1972-11-30
Eagle Butte	EBS	South Dakota,U.S.A.	44.9998N	101.2320W	735	From 1972-05-01
Eagle Creek	ECR	Idaho,U.S.A.	43.0540N	111.3710W	2086	
Eagle Field, Dos Palos	T05C	California,U.S.A.	36.8953N	120.6737W	46	From 2005-02-14 to 2007-09-03
Eagle Flat	EF-TX	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Flat	EF-	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Lake	637A	Texas,U.S.A.	29.4390N	96.3324W	45	From 2010-05-24 to 2011-11-06
Eagle Lake Field Station, Susanville	ELFS	California,U.S.A.	40.6183N	120.7279W	1553	From 2005-05-20 to 2007-10-09
Eagle Mountain	MT2	Texas,U.S.A.	30.8990N	105.0800W	2088	From 1977-03-01 to 2003-01-28
Eagle Mountain	EAG	California,U.S.A.	33.8490N	115.4730W	366	From 1974-11-01 to 2002-12-20
Eagle Plains	EPYK	Yukon Territory,Canada	66.3701N	136.7191W	717	From 2012-10-10
Eagle's Nest	EGN	New York,U.S.A.	43.8595N	74.4818W	549	From 1971-09-01 to 1983-10-31
Eagleton	EGMT	Montana,U.S.A.	48.0240N	109.7547W	1055	From 2005-11-17
Eaglette Bearden	Y41A	Arkansas,U.S.A.	33.8807N	92.6113W	99	From 2011-05-06 to 2013-02-15
EAH	EAH	Morocco	31.6480N	9.5850W	180	
Earlville	K58A	New York,U.S.A.	42.7633N	75.6473W	509	From 2013-08-29
Early Branch	157A	South Carolina,U.S.A.	32.6780N	80.9972W	21	From 2013-02-25
Early Rise 101	ER101	Ontario,Canada	47.9297N	83.1364W	457	
Early Rise 102	ER102	Ontario,Canada	48.1019N	82.6036W	457	
Early Rise 103	ER103	Ontario,Canada	48.2264N	82.1694W	305	
Early Rise 104	ER104	Ontario,Canada	48.3378N	81.7542W	396	
Early Rise 105	ER105	Ontario,Canada	48.4878N	81.2706W	305	
Early Rise 106	ER106	Ontario,Canada	48.5383N	80.7681W	274	
Early Rise 107	ER107	Ontario,Canada	48.5386N	80.2775W	305	
Early Rise 108	ER108	Ontario,Canada	48.5333N	79.8642W	457	
Early Rise 109	ER109	Quebec,Canada	48.7975N	79.3572W	290	
Early Rise 110	ER110	Quebec,Canada	48.8636N	78.8636W	305	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Early Rise 111	ER111	Quebec,Canada	48.6225N	78.3106W	305	
Early Rise 112	ER112	Quebec,Canada	48.6964N	77.9039W	320	
Early Rise 113	ER113	Quebec,Canada	48.8361N	77.4203W	290	
Early Rise 114	ER114	Quebec,Canada	49.1194N	77.0067W	305	
Early Rise 115	ER115	Quebec,Canada	49.3811N	76.5378W	305	
Early Rise 116	ER116	Quebec,Canada	49.5914N	76.0267W	305	
Early Rise 117	ER117	Quebec,Canada	49.8236N	75.6000W	305	
Early Rise 118	ER118	Quebec,Canada	49.8206N	75.1281W	381	
Early Rise 119	ER119	Quebec,Canada	49.7906N	74.6381W	381	
Early Rise 120	ER120	Quebec,Canada	49.9247N	74.2583W	396	
Early Rise 201	ER201	Quebec,Canada	49.5947N	74.2772W	381	
Early Rise 202	ER202	Quebec,Canada	49.3533N	74.0381W	46	
Early Rise 203	ER203	Quebec,Canada	49.1858N	73.6717W	381	
Early Rise 204	ER204	Quebec,Canada	49.0400N	73.3633W	381	
Early Rise 205	ER205	Quebec,Canada	48.8747N	72.9336W	351	
Early Rise 207	ER207	Quebec,Canada	48.5564N	72.3456W	123	
Early Rise 208	ER208	Quebec,Canada	48.4097N	71.9767W	137	
Early Rise 209	ER209	Quebec,Canada	48.4856N	71.6039W	168	
Early Rise 210	ER210	Quebec,Canada	48.3447N	71.1464W	152	
Early Rise 211	ER211	Quebec,Canada	48.2758N	70.7978W	274	
Early Rise 212	ER212	Quebec,Canada	48.1725N	70.2931W	183	
Early Rise 213	ER213	Quebec,Canada	48.0150N	70.0728W	244	
Early Rise 215	ER215	Quebec,Canada	47.8044N	69.4231W	152	
Early Rise 216	ER216	Quebec,Canada	47.6272N	69.0097W	290	
Early Rise 217	ER217	Quebec,Canada	47.4864N	68.6633W	366	
Early Rise 218	ER218	New Brunswick,Canada	47.4047N	68.3417W	175	
Early Rise 219	ER219	New Brunswick,Canada	47.2181N	67.9167W	183	
Early Rise 220	ER220	New Brunswick,Canada	47.0175N	67.7278W	173	
Early Rise 221	ER221	New Brunswick,Canada	46.9122N	67.3647W	213	
Early Rise 222	ER222	New Brunswick,Canada	46.8806N	66.9761W	442	
Early Rise 223	ER223	New Brunswick,Canada	46.8133N	66.6133W	396	
Early Rise 224	ER224	New Brunswick,Canada	46.5922N	66.2322W	122	
Early Rise 225	ER225	New Brunswick,Canada	46.5383N	65.8464W	31	
Early Rise 226	ER226	New Brunswick,Canada	46.3369N	65.5950W	46	
Early Rise 227	ER227	New Brunswick,Canada	46.1961N	65.1625W	61	
Early Rise 228	ER228	New Brunswick,Canada	46.1475N	64.9058W	152	
Early Rise 229	ER229	New Brunswick,Canada	46.0150N	64.5211W	76	
Early Rise 230	ER230	New Brunswick,Canada	45.9686N	64.1742W	46	
Early Rise 231	ER231	Nova Scotia,Canada	45.8667N	63.8197W	15	
Early Rise 232	ER232	Nova Scotia,Canada	45.7489N	63.4486W	31	
Early Rise 234	ER234	Nova Scotia,Canada	45.5922N	62.7147W	76	
Early Rise 235	ER235	Nova Scotia,Canada	45.5986N	62.3006W	61	
Early Rise 236	ER236	Nova Scotia,Canada	45.5822N	61.9044W	15	
Early Rise 237	ER237	Nova Scotia,Canada	45.6264N	61.5583W	46	
Early Rise 238	ER238	Nova Scotia,Canada	45.6239N	61.2200W	23	
Early Rise 239	ER239	Nova Scotia,Canada	45.6617N	60.8392W	15	
Early Rise 241	ER241	Nova Scotia,Canada	46.0281N	60.2061W	76	
Early Rise 242	ER242	Nova Scotia,Canada	46.1606N	59.9367W	15	
Early Rise 300	ER300	Pennsylvania,U.S.A.	40.4617N	80.1806W	287	
Early Rise 301	ER301	Pennsylvania,U.S.A.	40.2869N	79.9494W	311	
Early Rise 302	ER302	Pennsylvania,U.S.A.	40.0783N	79.7703W	317	
Early Rise 303	ER303	Pennsylvania,U.S.A.	39.8753N	79.5306W	616	
Early Rise 304	ER304	Maryland,U.S.A.	39.6958N	79.2636W	823	
Early Rise 306	ER306	West Virginia,U.S.A.	39.2528N	78.9119W	290	
Early Rise 307	ER307	West Virginia,U.S.A.	39.0336N	78.6531W	457	
Early Rise 308	ER308	Virginia,U.S.A.	38.8297N	78.4356W	270	
Early Rise 309	ER309	Virginia,U.S.A.	38.6222N	78.2317W	232	
Early Rise 310	ER310	Virginia,U.S.A.	38.3764N	78.0556W	122	
Early Rise 311	ER311	Virginia,U.S.A.	38.1644N	77.8139W	128	
Early Rise 312	ER312	Virginia,U.S.A.	37.9578N	77.5933W	67	
Early Rise 313	ER313	Virginia,U.S.A.	37.7381N	77.4308W	64	
Early Rise 314	ER314	Virginia,U.S.A.	37.5247N	77.1858W	37	
Early Rise 315	ER315	Virginia,U.S.A.	37.2964N	76.9653W	18	
Early Rise 316	ER316	Virginia,U.S.A.	37.0883N	76.7550W	24	
Early Rise 317	ER317	Virginia,U.S.A.	36.8811N	76.5819W	18	
Early Rise 318	ER318	Virginia,U.S.A.	36.6356N	76.3594W	3	
Early Rise 319	ER319	North Carolina,U.S.A.	36.3908N	76.1642W	6	
Ear Mountain	EAM	Alaska,U.S.A.	65.9193N	166.2420W	700	
Earnscleugh	EAZ	South Island,New Zealand	45.2311S	169.3083E	350	From 2004-11-01
Earthquake Lake	QLMT	Montana,U.S.A.	44.8307N	111.4300W	2064	From 1994-09-09
East Anglia University	AEU	England,United Kingdom	52.6201N	1.2347E	15	
East Aurora	EAN	New York,U.S.A.	42.7686N	78.6192W	282	
East Aurora area, Hawthorne	TVH3	Nevada,U.S.A.	38.3548N	118.8199W	2071	
East Bangong	ST18A	Xizang Zizhiqu,China	31.9747N	89.2051E	4611	From 1998-07-24 to 1998-08-16
East Boqe	ST06	Xizang Zizhiqu,China	31.1243N	90.0972E	5084	From 1998-07-16 to 1999-06-01
Eastbourne	TEB	England,United Kingdom	50.8188N	0.1459E	70	From 1989-01-01
East Braintree	EB-	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Braintree	EB-MT	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
Eastbrook	H65A	Maine,U.S.A.	44.6961N	68.2469W	98	From 2013-09-16
East Cape	ECZ	North Island,New Zealand	37.6919S	178.5464E	40	From 1934-10-01 to 1985-07-26
East Claridon	CECL	Ohio,U.S.A.	41.5470N	81.1020W	362	
East Dome	ESD	Washington,U.S.A.	46.1973N	122.1500W	1609	
East End Reserv.	EASTN	Queensland,Australia	23.8641S	150.9647E	139	
East Entrance	YPEE	Wyoming,U.S.A.	44.4905N	110.0010W	2134	
Easter Island	EIC	Easter Island,Chile	27.1581S	109.4340W	42	
EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	EIGP	Easter Island,Chile	27.1273S	109.3627W	163	From 2005-03-17
East Falkland Island	EFI	Falkland Islands	51.6753S	58.0637W	110	
East Helena	E16A	Montana,U.S.A.	46.5336N	111.6764W	1398	From 2007-09-12 to 2009-07-13
East Kanab	EKU	Arizona,U.S.A.	37.0747N	112.4968W	1829	
East Lansing	LNSM	Michigan,U.S.A.	42.7310N	84.4770W	256	
East Machias	EMMT	Maine,U.S.A.	44.7833N	67.3533W	33	From 1932-07-01 to 1940-12-31
East Machias	EMMW	Maine,U.S.A.	44.7100N	67.4583W	35	
East Machias	EMM	Maine,U.S.A.	44.7392N	67.4894W	20	
East Mammoth Hills	MEMM	California,U.S.A.	37.6660N	118.9398W	2473	
East Mesa	EMSC	California,U.S.A.	32.7392N	114.9852W	11	
East Pahranagat Range	EPR	Nevada,U.S.A.	37.1687N	115.1864W	1305	From 1979-01-23 to 2002-10-10
East Prairie	EPRM	Missouri,U.S.A.	36.7173N	89.3583W	88	
East Promontory	EPU	Utah,U.S.A.	41.3915N	112.4090W	1436	From 1975-09-01
east rand property ines	ERPM	Transvaal,South Africa	26.3433S	28.2418E	1611	From 2006-05-23
East Ridge	ERMT	Montana,U.S.A.	45.9932N	112.4560W	1928	From 1984-01-01 to 1987-10-01
East Ridge	PQ1	Maine,U.S.A.	44.9035N	67.3271W	93	
East Ridge Elementary School	EARN	Washington,U.S.A.	47.7400N	122.0400W	10	
Eastside	ESTR	Nevada,U.S.A.	38.0913N	118.3267W	2012	
East Tamaki Reservoir	ETAZ	North Island,New Zealand	36.9535S	174.9278E	-215	From 2010-02-12
East Tongariro	ETVZ	North Island,New Zealand	39.1357S	175.7106E	1236	From 2014-03-04
East Traverse Mountains	ETU	Utah,U.S.A.	40.4772N	111.8440W	1884	From 1974-07-01 to 1983-11-30
East Waterloo Road, Luther	OK023	Oklahoma,U.S.A.	35.7247N	97.1623W	291	
East Wide Canyon	EWC	California,U.S.A.	33.9372N	116.3822W	466	
East Wray Mesa	PV17	Colorado,U.S.A.	38.2799N	108.9595W	1991	
Easy	EASY	Turkey	40.8747N	28.9713E	8	From 2006-09-29
Eatonton	ETG	Georgia,U.S.A.	33.2912N	83.3507W	137	From 1978-02-01
E Barbuda OBS	O6A	Barbuda,Antigua and Barbuda	17.7920N	61.0220W	-496	
Ebbets Pass	EBP	California,U.S.A.	38.5828N	119.8063W	2432	
Eben Emael	BEBN	Belgium	50.7965N	5.6772E	80	From 1986-04-01
Ebenezer Church	EBZ	Tennessee,U.S.A.	35.1410N	89.3510W	169	From 1980-05-15
Ebro Roquetas	EBRE	Spain	40.8228N	0.4940E	36	
Ebro Roquetas	EBR	Spain	40.8206N	0.4936E	50	
Ech Chlef	ECHA	Algeria	36.1500N	1.3667E	0	
Ech Chlef	ECHF	Algeria	36.1562N	1.3403E	207	
Echelle	ECG	Guadeloupe,France	16.0418N	61.6538W	1395	
Echery	ECH	Alsace,France	48.2158N	7.1583E	580	From 1967-10-31
Echo Falls	ECF	California,U.S.A.	34.4580N	119.0910W	1000	From 1975-11-01
Echo Lake	ELW	Washington,U.S.A.	47.4943N	121.8714W	267	
Echo Peak	EPM	Nevada,U.S.A.	37.2266N	116.3346W	2221	From 1990-09-18 to 2002-12-10
Echo Peak	EHN	Nevada,U.S.A.	37.2138N	116.3237W	2280	
Eclectic	150A	Alabama,U.S.A.	32.6067N	86.0220W	145	From 2012-01-18 to 2013-08-09
Ecole de Borzuat	SIEB	Switzerland	46.2955N	7.5351E	553	From 2012-01-27
Ecomontan@16a	MONT	El Salvador	13.8577N	89.6472W	2054	
Ecuador	ANGL	Ecuador	0.3929S	77.5444W	3360	From 1990-08-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ecuador Network	MECU	Ecuador	0.5375S	78.2442W	4090	
Ecuador Network	AECU	Ecuador	0.2705S	78.4070W	3000	
Ecuador Network	RECU	Ecuador	0.6420S	78.4030W		
Ecuador Network	GECU	Ecuador	0.3172S	78.1897W	4350	
Ecuador Network	PECU	Ecuador	0.3950S	78.6025W	3550	
Ecuador Network	CECU	Ecuador	0.4762S	77.8703W	2220	
Ecuador Network	IECU	Ecuador	0.4750S	78.3067W	3720	
Ecuador Network	BECU	Ecuador	0.4747S	78.5962W	3320	
Eden	EDEN	Ecuador	0.0367S	78.5212W	3270	
Eden Park BICEP	EPAZ	North Island,New Zealand	36.8755S	174.7436E	-343	From 2011-08-23
Edessa	EDE1	Greece	40.8040N	22.0507E	150	From 2008-10-01
Edgard	545A	Louisiana,U.S.A.	30.0441N	90.4894W	3	From 2011-03-11 to 2012-12-09
Edgecumbe	EDRZ	North Island,New Zealand	38.1065S	176.7393E	780	From 1993-03-10
Edge Oya	EO1	Svalbard,Norway	77.6583N	21.2167E	4	From 1977-01-01
Edgerton	M48A	Ohio,U.S.A.	41.4846N	84.7171W	258	From 2012-07-22
Edgewood	ED-MI	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edgewood	ED-	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edificio de Ingenierˆ›a Civil	CIVI	Ecuador	0.2118S	78.4912W	2850	From 2010-08-24
Edinburgh	EDI	Scotland,United Kingdom	55.9233N	3.1861W	125	
Edincik	EDT	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edincik	EDC	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edirne	EDRB	Turkey	41.8470N	26.7440E	209	
Edirne/Enez-Cavuskoy	CAVK	Turkey	40.6917N	26.1677E	97	From 2014-12-01
Edirne-Kesan	KESN	Turkey	40.8259N	26.6800E	3071	From 2010-11-11
Edison Barstow Service Cntr. Barstow	RRX	California,U.S.A.	34.8753N	116.9968W	439	From 2000-11-08
Edison CC	ECCO	Ohio,U.S.A.	40.1580N	84.2130W	274	
Edith	EDIT	Tennessee,U.S.A.	35.8630N	89.5543W	148	
Edith	T22A	Colorado,U.S.A.	37.0138N	106.9030W	2224	From 2007-12-21 to 2010-02-07
Edmonton	T49A	Kentucky,U.S.A.	37.1050N	85.5334W	313	From 2012-05-21
Edmonton	EDM	Alberta,Canada	53.2217N	113.3500W	730	From 1963-04-01
Edmundbyers	EDMD	England,United Kingdom	54.8312N	1.9636W	337	From 2011-10-04
Edmundston	EBN	New Brunswick,Canada	47.4617N	68.2417W	195	From 1981-10-28
Edmundston, New Brunswick	EDMN	New Brunswick,Canada	47.4607N	68.2398W	186	From 2000-10-16
Edson Butte	KEBM	Oregon,U.S.A.	42.8722N	124.3342W	818	
Edwards Air Force Base 2, Rosamond	EDW2	California,U.S.A.	34.8811N	117.9939W	772	From 2004-05-04
Edwards Air Force Base,Rosamund	EDW	California,U.S.A.	34.8830N	117.9911W	789	From 1990-03-15 to 2004-08-03
EDZO	EDZN	Northwest Territories,Canada	62.7272N	116.0990W	244	From 2011-07-15
Eel River Conservation Camp, Redway	O01C	California,U.S.A.	40.1398N	123.8195W	137	From 2005-08-25 to 2007-11-17
Eenrum	ENM	Netherlands	53.4076N	6.4823E	1	
Eenrum	ENM2	Netherlands	53.4064N	6.4817E	-99	From 2010-01-22
Eenrum	ENM3	Netherlands	53.4064N	6.4817E	-149	From 2010-01-22
Eenrum	ENM4	Netherlands	53.4064N	6.4817E	-199	From 2010-01-22
Eenrum	ENM1	Netherlands	53.4064N	6.4817E	-49	From 2010-01-22
Effingham	EFO	Ontario,Canada	43.0917N	79.3117W	168	From 1979-07-06
EFORIE	EFOR	Romania	44.0795N	28.6323E	30	From 2008-11-12
Efpalio	EFP	Greece	38.4269N	21.9058E	115	From 2006-08-03
Efringen	EFR	Baden-Wurttemberg,Germany	47.6653N	7.5637E	280	From 1984-12-01
Eggersriet	SGT05	Switzerland	47.4418N	9.4559E	905	From 2012-01-15
Egilsstadhir	EGI	Iceland	65.2833N	14.3833W	25	
Egridir - ISPARTA	BAGO	Turkey	37.9905N	30.7886E	958	From 2010-07-06
EGRIP Drilling camp	EGRIP	Greenland	75.6268N	35.9915W	2665	From 2015-06-01
Egvard	EGVZ	Armenia	39.2300N	46.5500E	0	
Egvekinot, Chukotka	EGV	Magadanskaya Oblast',Russia	66.3230N	179.1270W	18	From 1990-01-01 to 1994-12-31
Eidsvold	EIDS	Queensland,Australia	25.3691S	151.0817E	216	From 2002-11-06
Eielson Array	NPO	Alaska,U.S.A.	64.7714N	146.8865W	419	
Eielson Array Beam Reference Point	ILAR	Alaska,U.S.A.	64.7714N	146.8866W	419	
Eielson Array Broadband	ILB	Alaska,U.S.A.	64.7714N	146.8866W	419	From 1993-07-01
Eielson Array Site 1	IL1	Alaska,U.S.A.	64.7716N	146.8860W	418	From 1993-07-01
Eielson Array Site 10	IL10	Alaska,U.S.A.	64.7529N	146.8431W	586	
Eielson Array Site 11	IL11	Alaska,U.S.A.	64.7415N	146.8974W	444	
Eielson Array Site 12	IL12	Alaska,U.S.A.	64.7447N	146.9436W	366	
Eielson Array Site 13	IL13	Alaska,U.S.A.	64.7479N	146.9865W	367	
Eielson Array Site 14	IL14	Alaska,U.S.A.	64.7750N	146.9794W	223	
Eielson Array Site 15	IL15	Alaska,U.S.A.	64.7777N	146.9428W	336	
Eielson Array Site 16	IL16	Alaska,U.S.A.	64.7933N	146.9215W	382	
Eielson Array Site 17	IL17	Alaska,U.S.A.	64.8072N	146.8898W	357	
Eielson Array Site 18	IL18	Alaska,U.S.A.	64.7575N	146.7768W	554	
Eielson Array Site 19	IL19	Alaska,U.S.A.	64.7461N	146.7974W	549	
Eielson Array Site 2	IL02	Alaska,U.S.A.	64.7847N	146.8643W	261	
Eielson Array Site 3	IL03	Alaska,U.S.A.	64.7714N	146.8512W	440	
Eielson Array Site 4	IL04	Alaska,U.S.A.	64.7570N	146.8761W	528	
Eielson Array Site 5	IL05	Alaska,U.S.A.	64.7731N	146.9229W	389	
Eielson Array Site 6	IL06	Alaska,U.S.A.	64.7792N	146.9040W	262	
Eielson Array Site 7	IL07	Alaska,U.S.A.	64.7993N	146.8393W	401	
Eielson Array Site 8	IL08	Alaska,U.S.A.	64.7903N	146.7969W	505	
Eielson Array Site 9	IL09	Alaska,U.S.A.	64.7681N	146.7832W	494	
Eigenji	JEG	Shiga,Japan	35.1353N	136.3905E	433	From 1996-01-01
Eightmile Canyon	EMI	Idaho,U.S.A.	44.0742N	112.9260W	1963	From 1992-01-01
Ein Gedi	ENGI	Israel	31.4690N	35.3940E	-321	
Eisghbrachaidh	REB	Scotland,United Kingdom	58.1188N	5.2822W	100	From 1995-09-10
Ekalaka	F24A	Montana,U.S.A.	45.8452N	104.4448W	1105	From 2008-11-15 to 2010-08-06
Ekati Mine	EKTN	Northwest Territories,Canada	64.6984N	110.6095W	469	
Ekimchan	EKMR	Khabarovskiy Kray,Russia	53.0700N	132.9500E	543	
Ekimyata	PR6R	Permskiy Kray,Russia	58.1658N	56.0925E	163	From 2006-11-08
Ekona	EKC	Cameroon	4.2100N	9.3269E	450	From 1984-12-01
Eksjoe	EKSU	Sweden	57.5726N	15.3016E	250	From 2002-05-04
El Abra	ABR	Veracruz,Mexico	19.8070N	96.5345W	520	
Elaiones	ITS1	Greece	40.6250N	23.0121E	167	From 2015-07-30
El 'Aiyat	AUT	Egypt	29.6660N	31.1800E		
Elanda	ELDR	Altayskiy Kray,Russia	51.2170N	86.0900E	472	
El Angel	ANGS	El Salvador	13.8000N	89.1917W	850	From 1991-12-01
El Apazote	APG	Guatemala	15.0040N	90.4643W	1880	
Elat	EIL	Israel	29.6699N	34.9512E	210	From 1997-01-01
Elaudy	ELYF	Aquitaine,France	43.1700N	0.9917W	700	From 1985-02-01 to 1998-01-22
Elˆvisluoto, Pyhˆjoki	OBF1	Finland	64.4100N	24.0400E	25	From 2013-08-01
El Ayoun	AYNT	Tunisia	35.5737N	8.9292E	1100	
Elazig	ELZ	Turkey	38.6894N	39.2064E	1180	From 1973-09-17 to 1974-05-31
Elazig	ELZG	Turkey	38.4978N	38.9844E	1640	From 2002-04-25
Elazig	ELA	Turkey	38.6833N	39.2333E		
Elazˆ—ˆ/Kovancˆ—lar-Tepebag	KOVA	Turkey	38.7057N	39.8126E	1101	From 2014-12-01
Elbasan	ELBAS	Albania	41.1161N	20.0799E	142	From 2014-10-29
El Baul	BAUV	Venezuela	8.9433N	68.0415W	106	
El Cabril	ECAB	Spain	38.0753N	5.4186W	520	
EL CAFE	CAFV	Venezuela	10.2649N	68.0541W	1060	From 2004-05-25
El Cajon	ECA	California,U.S.A.	32.8000N	116.9500W	135	From 1949-01-01 to 1999-08-25
El Canelo	CACH	O'Higgins,Chile	34.1169S	70.6000W	1300	From 1990-11-06
El Cayaco	CAIG	Guerrero,Mexico	17.0478N	100.2673W	80	
El Centro	ECC	California,U.S.A.	32.7983N	115.5480W	-15	From 1956-11-28 to 1970-09-30
El Centro	ETC	Colombia	6.8625N	73.7694W	140	From 1975-01-31
Elche	EXEL	Spain	38.2660N	0.6980W	108	
El Chinero	ECBX	Baja California,Mexico	31.4720N	115.0513W	40	From 1983-05-17
Elcito	EL6	Italy	43.3293N	13.1017E	978	From 2005-09-01
Elco	ELC	Illinois,U.S.A.	37.2850N	89.2270W	153	From 1974-07-19
Elcoad	IELO	Spain	42.8432N	1.2366W	819	From 2008-07-18
El Crucero	CRUN	Nicaragua	11.9833N	86.3000W	930	
Elda	EXED	Spain	38.4720N	0.7910W	407	
Eldee	EEO	Ontario,Canada	46.6411N	79.0733W	398	From 1984-03-04
Eldivan	ELDT	Turkey	40.4900N	33.4269E	1596	From 1992-07-01
Eldon	D03D	Washington,U.S.A.	47.5347N	123.0894W	262	From 2010-08-25
Eldorado	EDMA	Misiones,Argentina	26.3635S	54.4305W	228	
El Dorado	EDK	Kansas,U.S.A.	37.7738N	96.7950W	418	From 1978-04-17 to 2001-07-15
Eldorado Mountains	EMN	Nevada,U.S.A.	35.9214N	114.7541W	785	From 1988-08-11 to 2002-10-10
Electric Lake	ELU	Utah,U.S.A.	39.6402N	111.2038W	2970	
El Ejido	EXEE	Spain	36.7750N	2.8130W	107	
Elena	ELND	Bulgaria	42.9287N	25.8751E	334	From 2012-11-20
Elephant Butte, Truth or Consequences	Z22A	New Mexico,U.S.A.	33.2555N	106.9639W	1497	From 2008-04-11 to 2010-03-20
Eleskirt	EATA	Turkey	39.8622N	42.4916E	2770	From 2009-10-04
El Faro	LFRS	El Salvador	13.6233N	89.0617W	1000	From 1991-12-01
Elgin	H56A	Ontario,Canada	44.5930N	76.2594W	137	From 2012-11-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Elgin	L32A	Nebraska,U.S.A.	42.0045N	98.0080W	586	From 2010-07-18 to 2012-04-25
Elginfield	ELFO	Ontario,Canada	43.1930N	81.3163W	298	From 2009-05-21
Elginfield	ELF	Ontario,Canada	43.1933N	81.3150W	320	From 1975-06-01
Elgin, New Brunswick	ELNB	New Brunswick,Canada	45.8543N	65.1510W	158	From 2012-07-25
El Golfo de Santa Clara	EGM	Baja California,Mexico	31.6783N	114.4920W	5	From 1969-04-26
El Granada	JEGM	California,U.S.A.	37.5140N	122.4620W	202	From 1975-02-10
El Granado	EGRO	Spain	37.5342N	7.4831W	130	
El Guri	GURV	Venezuela	7.7600N	63.0850W	199	From 2003-05-15
Elham, Standardhill Farm (Kent)	ELSH	England,United Kingdom	51.1482N	1.1345E	126	From 2008-01-25
El Hato	EHV	Venezuela	8.8064N	70.8647W	3700	From 1974-01-01
El Hierro	CHIE	Canary Islands,Spain	27.7270N	17.9607W	170	From 1989-06-01
El Hierro	CTAN	Canary Islands,Spain	27.7544N	18.0543W	180	From 2011-07-01
El Hierro	CTIG	Canary Islands,Spain	27.7882N	17.9221W	53	From 2009-08-14
El Hiral	FRIJ	Panama	9.2220N	79.7260W	0	
El Hobo	HOBC	Colombia	4.3548N	76.1355W	1180	From 1987-01-01
Elida	Y26A	New Mexico,U.S.A.	33.9232N	103.8246W	1371	From 2008-04-18 to 2010-03-10
Elim	ELIM	Cape Province,South Africa	34.5967S	19.7450E	472	From 2000-01-01
Eliza Dome	EDB	British Columbia,Canada	49.8737N	127.1200W	189	
Elizondo	ELIZ	Spain	43.1639N	1.5285W	523	From 1992-12-03
El Julon, El Hierro	CJUL	Canary Islands,Spain	27.7296N	18.0823W	1282	From 2011-07-01
Elk Butte	EBI	Idaho,U.S.A.	46.8375N	116.1180W	1765	From 1987-01-01 to 2015-04-14
Elk Chute Ditch	ECD	Missouri,U.S.A.	36.0600N	89.9400W	79	From 1975-09-25 to 1992-02-29
Elk City	F12A	Idaho,U.S.A.	45.7565N	115.2547W	1442	From 2006-11-03 to 2009-06-15
Elkhorn Farm, Martin	J27A	South Dakota,U.S.A.	43.2526N	102.0069W	1081	From 2009-08-01 to 2011-05-11
Elkhorn Ranch	BEHM	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Ranch	EKH	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Road	HERM	California,U.S.A.	36.7983N	121.7110W	69	
Elko	ELK	Nevada,U.S.A.	40.7448N	115.2390W	2210	From 1968-11-01
Elko	EKO	Nevada,U.S.A.	40.8122N	115.7760W	1615	From 1969-11-12
Elko Archery Club, Elko	N11A	Nevada,U.S.A.	40.8167N	115.7360W	1643	From 2006-05-03 to 2008-08-13
Elk River	EKR	California,U.S.A.	40.6953N	124.1390W	49	From 1974-06-20
Elk Rock	ERK	Washington,U.S.A.	46.3056N	122.3410W	1270	
El Ksiba	KIB	Morocco	32.5760N	6.0390W	935	
Ellensburg	EBG	Washington,U.S.A.	46.9097N	120.5680W	805	
Ellensburg	EL-WA	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellensburg	EL-	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellenville	ELNV	New York,U.S.A.	41.5000N	74.4398W	323	
Ellicott	JELM	California,U.S.A.	36.9273N	121.8270W	85	
Ellicott City	ECM	Maryland,U.S.A.	39.2613N	76.8842W	140	
Ellicott, Santa Cruz County	JELB	California,U.S.A.	36.9274N	121.8276W	81	From 2006-07-19
Elliot Lake	ELLO	Ontario,Canada	46.3832N	82.6639W	328	
Ellis	Q31A	Kansas,U.S.A.	39.0048N	99.3950W	680	From 2009-05-18 to 2011-03-20
El Lisan	LISJ	Jordan	31.2400N	35.4810E	-327	From 1990-02-23
Ellis Ranch, Medicine Bow	L22A	Wyoming,U.S.A.	42.0310N	106.4338W	2012	From 2007-11-26 to 2010-05-13
Ellisras	ERS	Transvaal,South Africa	23.6816S	27.7233E	840	From 1994-07-01 to 2003-11-21
Elliston	ELMT	Montana,U.S.A.	46.5222N	112.4945W	1981	From 1996-08-31
El Llanito	LLAV	Venezuela	10.4696N	66.8097W	875	From 1988-01-01
Ellsinore	EN-	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsinore	EN-MO	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsworth	ECT	Connecticut,U.S.A.	41.8346N	73.4113W	342	From 1976-01-28 to 1999-08-25
Ellsworth Farm, Hinsdale	B21A	Montana,U.S.A.	48.4278N	107.0166W	661	From 2008-09-05 to 2010-07-18
Elm	EMA	Alabama,U.S.A.	33.2210N	87.4738W	92	From 1971-01-09
Elma	ELM	New York,U.S.A.	42.8497N	78.6442W	216	From 1971-07-01 to 1976-07-28
Elmali	ELL	Turkey	36.7482N	29.9085E	1230	From 1973-11-29
El Manteco	GMV	Venezuela	7.3558N	62.5404W	248	
El Maslubiya	MASJ	Jordan	31.7290N	35.7183E	822	From 1983-09-01
El Mayor	EMX	Baja California,Mexico	31.9881N	115.2416W	10	From 1981-10-19
Elmendorf Base	EAFB	Alaska,U.S.A.	61.2335N	149.7718W	61	From 1994-06-24
Elmer	X32A	Oklahoma,U.S.A.	34.4214N	99.2854W	401	From 2009-10-25 to 2011-09-07
El Minia	TAMRE	Egypt	27.6821N	30.9175E	145	
El Mirage	ELMC	California,U.S.A.	34.5262N	117.6400W	986	
El Mirage 2	EL2	California,U.S.A.	34.5295N	117.5435W	1106	
Elmo	EO2TX	Texas,U.S.A.	32.6481N	96.1586W	158	
El Monte Cty Pk	EML	California,U.S.A.	32.8908N	116.8457W	161	
Elmore Ranch	ELRC	California,U.S.A.	33.1475N	115.8334W	-97	
Elmore Ranch	ERRC	California,U.S.A.	33.1168N	115.8227W	-56	
Elmsett, Ipswich	ELMS	England	52.0933N	0.9895E	74	From 2015-08-14
El Nido	ENPP	Palawan,Philippines	11.2060N	119.4250E	27	
Elora Gorge	ELGO	Ontario,Canada	43.6755N	80.4374W	377	
Elorza	ELOV	Venezuela	7.0010N	69.4830W	105	From 2003-04-03
Eloy	116A	Arizona,U.S.A.	32.5618N	111.7042W	477	From 2006-03-20 to 2008-12-05
Elp	ENV	Netherlands	52.8953N	6.6338E	17	
El Pangue	ELP	Valparaiso,Chile	33.2576S	71.2050W	680	From 1973-01-01
El Paso	EP-TX	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EPT	Texas,U.S.A.	31.7717N	106.5060W	1186	From 1961-02-01
El Paso	EP-	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
EL PAUJM	PAUV	Venezuela	10.1803N	67.2414W	1259	From 2004-07-15
El Pedregal	CO03	Coquimbo	30.8389S	70.6891W	1003	From 2014-02-11
El Pedroso, Sevilla	E019	Spain	37.7160N	5.8788W	125	From 2007-09-23 to 2009-06-16
Elp / Enerveen	ENV2	Netherlands	52.8944N	6.6337E	-83	From 2009-12-04
Elp / Enerveen	ENV1	Netherlands	52.8944N	6.6337E	-33	From 2009-12-04
Elp / Enerveen	ENV3	Netherlands	52.8944N	6.6337E	-133	From 2009-12-04
Elp / Enerveen	ENV4	Netherlands	52.8944N	6.6337E	-183	From 2009-12-04
El Pino	IIP	Mexico D.F.,Mexico	19.3469N	98.9180W	2650	
El Pocito	PEZE	Costa Rica	9.3826N	83.6775W	807	
El Prado	PRAV	Venezuela	9.2327N	70.8507W	662	
El Quisco	ELQ	Valparaiso,Chile	33.3953S	71.6889W	50	From 1973-01-01 to 1975-03-28
El Recreo	RREF	Colombia	4.9010N	75.3470W	4743	
El Retiro	RTR	El Salvador	13.8972N	89.6457W	1499	
El Rito	U23A	New Mexico,U.S.A.	36.3289N	106.1919W	2093	From 2008-05-21 to 2010-04-06
El Roble	ROCH	Santiago,Chile	32.9719S	71.0111W	2000	From 1981-12-04
El Roble	ROC1	Santiago,Chile	32.9759S	71.0156W	2191	
El Rosal	ROSC	Colombia	4.8400N	74.3200W	2987	From 1994-01-01
EL ROSAL, CUNDINAMARCA	CROSA	Colombia	4.8480N	74.3210W	2987	From 1994-07-08
El Salvador	ESC	Atacama,Chile	26.2300S	69.5100W	4700	
El Segundo	ESGS	California,U.S.A.	33.9163N	118.4200W	-100	From 1982-04-01
Elsinore Mountain	ELS	California,U.S.A.	33.6478N	117.4270W	853	
El Sosneado	COIS	Mendoza,Argentina	35.1080S	69.5937W	500	From 2012-01-01
El Tejon	TEJ	California,U.S.A.	35.2298N	118.6890W	634	
El Tigre	TGRV	Venezuela	8.8340N	64.1683W	293	From 1992-11-01
El Tocuyo	TOV	Venezuela	9.7925N	69.7926W	650	
Eltopia	ETP	Washington,U.S.A.	46.4648N	119.0590W	219	From 1969-03-01
Eltopia	ET2	Washington,U.S.A.	46.5350N	118.9500W	330	From 1989-04-05 to 2001-11-01
Eltopia	ET3	Washington,U.S.A.	46.5773N	118.9375W	286	From 1990-09-12
El Transito	AC05	Atacama,Chile	28.8364S	70.2738W	1287	From 2014-02-09
Eltsovka	ELT	Altayskiy Kray,Russia	53.2614N	86.2387E	235	From 1981-06-01
Eltsovka	ELT0	Altayskiy Kray,Russia	53.2559N	86.2745E	217	From 1962-07-05 to 1968-01-01
Elvey	ELV	Alaska,U.S.A.	64.8603N	147.8490W	180	From 1971-08-01 to 1972-08-31
El Viejo	A495	Costa Rica	10.3925N	85.4560W	0	From 2000-01-01
El Vigia	EVV	Veracruz,Mexico	18.4565N	95.3493W		From 1988-01-01
El Vigia	VIGV	Venezuela	8.8400N	71.3642W	417	
El Volcan	VOLV	Venezuela	10.4200N	66.8498W	1480	
Ely	EY-	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EY-NV	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EYMN	Minnesota,U.S.A.	47.9462N	91.4950W	475	From 1994-09-26
Ely	EY2NV	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	EY2	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	ELY	Nevada,U.S.A.	39.1313N	114.8920W	2011	
El Yeso	YECH	Santiago,Chile	33.6653S	70.0834W	2577	From 2006-04-21
Elyria	M51A	Ohio,U.S.A.	41.3321N	82.1831W	239	From 2012-08-29
El Yunque	EYP	Puerto Rico	18.3127N	65.7911W	1060	From 1975-07-30 to 1976-08-09
El Zacaton	ZAX	Baja California,Mexico	31.5137N	116.2730W	947	
Emae	EME	Vanuatu	17.0908S	168.3510E		
Emamgholi	IEMG	Iran	37.4155N	58.6522E	2565	From 1997-03-01
Embalse de El Pintado, Sevilla	E018	Spain	37.9803N	5.9548W	392	From 2007-09-16 to 2009-06-17
Embalse del Gaudalen, Jaen	E932	Spain	38.1496N	3.4708W	418	From 2009-02-12 to 2009-09-15
Embarrass	C37A	Minnesota,U.S.A.	47.7283N	92.1853W	447	From 2010-09-17 to 2012-08-14
Embd, Mattertal	EMBD	Switzerland	46.2165N	7.8322E	1180	From 2009-10-29
Emei	LIOB	Taiwan region	24.6456N	121.0156E	330	From 2002-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Emerald Bay	EMB	California,U.S.A.	38.9747N	120.1027W	2122	
Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	EOC	Utah,U.S.A.	40.7770N	111.8891W	1356	From 2012-05-01
Emergency Operations Facility	EFD	California,U.S.A.	35.3205N	120.7250W	95	
Emma Park	EMUT	Utah,U.S.A.	39.8140N	110.8150W	2268	
Emmet	BEMM	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmet	EMT	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmethof	EMMET	Switzerland	47.4375N	8.0134E	700	From 2012-10-29
Emmingen-Liptingen DE	EMING	Switzerland	47.8928N	8.8425E	638	From 2013-04-29
Emosson	EMO	Switzerland	46.0482N	6.9620E	1800	From 1973-09-01 to 1980-12-31
Emosson-Mur	EMS	Switzerland	46.0700N	6.9310E	1800	From 1981-01-01 to 2002-01-02
Emosson Staumauer, Bunker	SEMOS	Switzerland	46.0678N	6.9352E	1950	From 2012-11-20
Empire Grade Rd	LT11	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Empire Grade Road	EGR	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Emporia	EM-KA	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EM-	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EMK	Kansas,U.S.A.	38.4465N	96.3172W	370	From 1977-08-15 to 2001-07-15
Emporia Municipal Airport, Emporia	R35A	Kansas,U.S.A.	38.3231N	96.1988W	365	From 2010-05-18 to 2012-03-15
Emporium	M56A	Pennsylvania,U.S.A.	41.4837N	78.1826W	493	From 2013-05-20
Encino	035A	Texas,U.S.A.	26.9379N	98.1023W	29	From 2010-01-12 to 2011-11-14
Ende, Flores	EDFI	Flores,Indonesia	8.7497S	121.6903E	914	From 2008-12-01
Endenburg	ENDD	Baden-Wurttemberg,Germany	47.7150N	7.7379E	635	From 1984-12-01
Endilloe	EDO	South Australia,Australia	32.3217S	138.0483E	300	From 1977-01-01
Endulen Rd	ENDA	Tanzania,United Republic of Tanzania	3.3762S	35.3372E	1067	
Enez	ENEZ	Turkey	40.7362N	26.1530E	101	From 2006-06-21
Engebretsen Ranch, Morrill	L25A	Nebraska,U.S.A.	42.1548N	103.9657W	1379	From 2008-11-22 to 2010-10-07
Enggano, Bengkulu	EGSI	Sumatera,Indonesia	5.3526S	102.2767E	35	From 2008-12-01
Engineer Hill	ENG	Alaska,U.S.A.	64.7352N	147.0460W	220	From 1971-09-07 to 1976-06-30
Engine Test Stand	ETS	Nevada,U.S.A.	36.8325N	116.3090W	1158	From 1965-01-01 to 1970-12-31
English Bluff	ENGB	British Columbia,Canada	49.0080N	123.0889W	55	
Engstlatt	ENGD	Baden-Wurttemberg,Germany	48.3125N	8.8729E	538	From 1982-01-01
Enilchek, Kyrgyzstan	ENEL	Kyrgyzstan	42.1529N	79.4550E	2739	From 2008-09-22
Eniwetok	EW-IS	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwetok	EW-	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwo	JEW	Ishikari,Japan	42.8402N	141.4498E	185	From 1995-02-01
ENMS	ENMS	Saudi Arabia	19.0707N	42.5717E	1654	
Ennepetalsperre	ENTS	Nordrhein-Westfalen,Germany	51.2414N	7.4108E	300	From 2000-10-01
Ennis	136A	Texas,U.S.A.	32.4746N	96.5297W	113	From 2010-06-06 to 2012-01-19
Ens	RESF	Midi-Pyrenees,France	42.8077N	0.3385E	1270	From 1998-09-01
Ens	ENSF	Midi-Pyrenees,France	42.8047N	0.3356E	1300	
Ensenada	ENX	Baja California,Mexico	31.8835N	116.6626W	230	From 1981-08-03
Ensenada	ECX	Baja California,Mexico	31.8690N	116.6600W		
Enshi	ENH	Hubei,China	30.2718N	109.4870E	487	From 1986-01-01
Enta	IENT	Iceland	63.7010N	19.1823W	1355	From 2011-12-15
Entebbe	ENT	Uganda	0.0589N	32.4733E	1175	
Entebbe	TEBE	Uganda	0.0553N	32.4700E	1175	
Entiat	ETW	Washington,U.S.A.	47.6045N	120.3310W	1475	From 1986-10-01
Entracque	ENR	Italy	44.2267N	7.4203E	1040	From 1967-01-01
Entre Lagos	PUYE	Chile	40.6839S	72.6034W	209	
Enumclaw	D05A	Washington,U.S.A.	47.1881N	121.9888W	266	From 2005-11-21 to 2008-12-03
Enzan	ENZ	Yamanashi,Japan	35.7360N	138.8053E	807	
EOS1	EOS1	Taiwan region	24.5494N	122.1284E	-278	From 2011-09-22
Eparoz	IEPA	Spain	42.7794N	1.2669W	769	From 2008-07-18
Epen	ENN	Netherlands	50.7672N	5.9233E	120	From 1981-01-01 to 1996-02-27
Ephrata	EPW	Washington,U.S.A.	47.3522N	119.5960W	628	From 1975-06-01
Ephrata	EPH	Washington,U.S.A.	47.3536N	119.5960W	628	From 1983-03-01
Epi	EPI	Vanuatu	16.6950S	168.1160E		
Epidavros	EPID	Greece	37.6144N	23.1189E	444	From 2010-10-08
EPN Laboratorio de Estructuras	EPNL	Ecuador	0.2120S	78.4917W	2822	From 2010-08-24
Equi	EQUI	Italy	44.1660N	10.1530E	350	From 2012-05-14
Erbaa	ERBA	Turkey	40.6814N	36.7547E	655	From 2008-03-24
ERCIS-VAN	ERCV	Turkey	39.0198N	43.3380E	1681	From 2011-10-28
Erciyes	ERCT	Turkey	38.6031N	35.5142E	1915	From 1993-08-28 to 1998-05-01
Erdek	ERD	Turkey	40.4000N	27.8000E		From 1970-01-01 to 1972-12-31
Erdemli	MEST	Turkey	36.5869N	34.1453E	855	From 2003-12-12
Eremo	ERBM	Italy	44.4192N	10.4128E	919	
Erenkoy	EREN	Cyprus	35.5300N	34.1700E	88	
Eretria	EREA	Greece	38.4199N	23.9318E	475	From 2010-06-16
Eretria	ERET	Greece	38.4423N	23.8064E	810	From 2008-12-23
Erewhon	EWZ	South Island,New Zealand	43.5100S	170.8526E	650	From 1991-03-21 to 2001-07-03
Erian - IBB Gov. - Yemen	ERIN	Yemen	14.2300N	44.2300E	1600	From 1997-01-15 to 2005-10-22
Erice	ERC	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erice	ER1	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erie	ERP	Pennsylvania,U.S.A.	42.1333N	79.9833W		
Erie	ERPA	Pennsylvania,U.S.A.	42.1175N	79.9891W	306	From 2004-03-19
Erikli-Kesan	ERIK	Turkey	40.6708N	26.5132E	41	From 2008-07-02
Erimo	ERM	Hidaka,Japan	42.0150N	143.1571E	40	From 1976-07-01
Erimo	JEM	Hidaka,Japan	42.0158N	143.1573E	40	
Erithrai	VTH	Greece	38.2006N	23.3600E	756	From 1982-10-01
Erkin-Say	EKS2	Kyrgyzstan	42.6615N	73.7772E	1360	
Erkin-Say	EKS	Kyrgyzstan	42.6680N	73.7860E	1180	
Erlin	RLNB	Taiwan region	23.8911N	120.3594E	-60	From 2004-06-25
Ermenek	ERMK	Turkey	36.6416N	32.9128E	1855	From 2005-02-28
Ernestine	ERN	Alaska,U.S.A.	61.4442N	145.1120W	570	From 1971-09-16 to 1973-08-29
Ernies Place	ERPC	California,U.S.A.	32.7435N	115.6630W	-9	
EROS Data Center, Sioux Falls	ECSD	South Dakota,U.S.A.	43.7337N	96.6141W	478	From 2006-05-17
Erpfingen	ERPF	Baden-Wurttemberg,Germany	48.3447N	9.1744E	839	From 2010-03-01
Err	ERR	Morocco	32.3800N	6.3230W		From 1995-12-16
Errachidia	ZFT	Morocco	32.0340N	4.3520W	1800	From 1993-01-01
Er Rumman	RUMJ	Jordan	32.1820N	35.8275E	445	From 1983-09-01
Erto-Casso	ERT	Italy	46.2767N	12.3767E	775	From 1982-11-24 to 1988-01-01
Ertsjaerv	ERTU	Sweden	66.5541N	22.1895E	300	From 2004-04-17
Erzin	ERNS	Tyva,Russia	50.2630N	95.1550E	1105	
Erzincan	KRDT	Turkey	39.9167N	39.1183E	2810	From 1998-09-30 to 2003-08-14
Erzincan	EZC	Turkey	39.7520N	39.3533E	1500	From 1993-08-27
Erzincan	ERZN	Turkey	39.5866N	39.7220E	1310	From 2008-10-15
Erzurum	ERZ	Turkey	39.9150N	41.2767E	1850	From 1966-08-06
Erzurum	EZM	Turkey	39.9053N	41.3623E	2400	
Erzurum	ERZM	Turkey	39.9053N	41.3658E	2380	From 1996-01-01
Erzurum	ERZT	Turkey	39.9067N	41.2533E	1955	
Erzurum,Aziziye	EMRE	Turkey	40.0302N	40.9762E	2066	From 2013-09-24
Erzurum-¯spir	KRIK	Turkey	40.3374N	40.9271E	2025	From 2013-03-18
Erzurum, Merkez	ATA5	Turkey	39.9046N	41.2448E	1860	From 2014-02-28
Erzurum, Palandoken	EJDE	Turkey	39.8337N	41.3035E	3151	From 2013-11-07
Erzyncan	ERZC	Turkey	39.7242N	39.5258E	1170	From 1998-01-01 to 1998-09-29
Esa-ala	ESA	D'Entrecasteaux Islands,Papua New Guinea	9.7384S	150.8140E	46	From 1965-01-01
Esa-ala	ESB	D'Entrecasteaux Islands,Papua New Guinea	9.6867S	150.9030E	60	From 1974-01-01
Esan	ESH	O shima,Japan	41.8842N	141.0112E	40	From 1976-07-01
Esanatoglia	SNTG	Italy	43.2550N	12.9406E	625	
Escape Road	ESR	Hawaii,U.S.A.	19.4113N	155.2390W	1177	From 1971-09-01
ESCO Site	ESCO	Democratic Republic of the Congo	1.6340S	29.1590E	1480	
Escot	ESCF	Aquitaine,France	43.0785N	0.5747W	570	
Escuela Geologia	SJS	Costa Rica	9.9392N	84.0542W	1196	
EscuelaIngenieria	EDC*	Santiago,Chile	33.4592S	70.6678W		
Escuela - Rosario de la Frontera	AERF	Salta,Argentina	25.7975S	64.9716W	800	From 1995-09-22
Esen Bulak	EBM	Mongolia	46.3900N	96.2600E	2160	
Esenkoy-Cinarcik-Yalova	SBT5	Turkey	40.6311N	28.8803E	-368	From 2010-06-09
Esentepe	ESE	Turkey	40.7556N	30.3242E	197	From 1991-01-01
Eskdalemuir	EKG	Scotland,United Kingdom	55.3339N	3.1923W	356	From 2002-11-12
Eskdalemuir	ESK	Scotland,United Kingdom	55.3167N	3.2050W	263	From 1964-03-19
Eskdalemuir	EKB	Scotland,United Kingdom	55.3339N	3.1923W	307	
Eskdalemuir Array	EKA	Scotland,United Kingdom	55.3331N	3.1592W	263	From 1962-05-01
Eskdalemuir Array Site B1	EKB1	Scotland,United Kingdom	55.3093N	3.1770W	274	
Eskdalemuir Array Site B10	EKB10	Scotland,United Kingdom	55.3769N	3.1292W	328	
Eskdalemuir Array Site B2	EKB2	Scotland,United Kingdom	55.3168N	3.1717W	313	
Eskdalemuir Array Site B3	EKB3	Scotland,United Kingdom	55.3249N	3.1682W	306	
Eskdalemuir Array Site B4	EKB4	Scotland,United Kingdom	55.3317N	3.1612W	300	
Eskdalemuir Array Site B5	EKB5	Scotland,United Kingdom	55.3393N	3.1563W	313	
Eskdalemuir Array Site B6	EKB6	Scotland,United Kingdom	55.3466N	3.1506W	337	
Eskdalemuir Array Site B7	EKB7	Scotland,United Kingdom	55.3541N	3.1454W	435	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Eskdalemuir Array Site B8	EKB8	Scotland,United Kingdom	55.3618N	3.1397W	400	
Eskdalemuir Array Site B9	EKB9	Scotland,United Kingdom	55.3690N	3.1348W	395	
Eskdalemuir Array Site R1	EKR1	Scotland,United Kingdom	55.3374N	3.1786W	355	
Eskdalemuir Array Site R10	EKR10	Scotland,United Kingdom	55.3104N	3.0609W	382	
Eskdalemuir Array Site R2	EKR2	Scotland,United Kingdom	55.3344N	3.1656W	349	
Eskdalemuir Array Site R3	EKR3	Scotland,United Kingdom	55.3306N	3.1530W	319	
Eskdalemuir Array Site R4	EKR4	Scotland,United Kingdom	55.3284N	3.1394W	336	
Eskdalemuir Array Site R5	EKR5	Scotland,United Kingdom	55.3254N	3.1263W	306	
Eskdalemuir Array Site R6	EKR6	Scotland,United Kingdom	55.3224N	3.1132W	394	
Eskdalemuir Array Site R7	EKR7	Scotland,United Kingdom	55.3194N	3.1001W	348	
Eskdalemuir Array Site R8	EKR8	Scotland,United Kingdom	55.3163N	3.0868W	419	
Eskdalemuir Array Site R9	EKR9	Scotland,United Kingdom	55.3137N	3.0732W	431	
Eskilstuna	ESKU	Sweden	59.2311N	16.3938E	50	From 2002-01-19
Eskisehir	ESKT	Turkey	39.5200N	30.8500E	1289	
Eskisehir	BORA	Turkey	39.8801N	30.4534E	960	From 2005-08-04
Eski¨ehir/Seyitgazi-Do¨an^§ay¨–r	SGAZ	Turkey	39.5293N	30.8387E	958	From 2014-11-24
Eskiyayla	EYL	Turkey	40.5658N	30.1250E	1160	From 1990-01-01
Eskypehyr	SEYT	Turkey	39.5200N	30.8500E	1172	From 1998-01-01
Esma-Masafi	MSFE	United Arab Emirates	25.3596N	56.1595E	524	
Espanola	ES-ON	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espanola	ES-	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espargos	SLES	Cape Verde Islands	16.7300N	22.9300W	67	From 2012-10-17
Esparros	EPF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparros	PYF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparza	EPA	Costa Rica	9.9877N	84.5965W	310	From 1984-03-17
Espegrend	EGD	Norway	60.2712N	5.2257E	20	From 1991-03-01
Espenschied	ESP	Hessen,Germany	50.0992N	7.8932E	398	
Espera	ESPR	Spain	36.8686N	5.8562W	135	
Esperanza - Manati, PR	EMPR	Puerto Rico	18.4770N	66.5296W	9	From 2011-07-01
Espira	FESP	Midi-Pyrenees,France	42.8199N	2.8222E	240	From 2008-10-01
Espiye-Giresun	ESPY	Turkey	40.9167N	38.7273E	430	From 2007-03-02
Espot	ESPO	Spain	42.5785N	1.1197E	1440	
Esso	ESO	Kamchatskaya Oblast',Russia	55.9250N	158.7000E	490	
Esso	ES2	Kamchatskaya Oblast',Russia	55.9150N	158.6830E	65	
Estacion Bilbao	BIL2	Ecuador	1.4553S	78.5025W	2381	From 2007-08-22
Estacion Edusismo	QTOE	Ecuador	0.1722S	78.4889W	2777	From 2007-01-01
Estacion Juarez	EJC	Chiapas,Mexico	17.6044N	93.1956W		
Estancia	EST	New Mexico,U.S.A.	34.8645N	105.7230W	2055	From 1976-06-01
Estanollee	X53A	Georgia,U.S.A.	34.5031N	83.3013W	240	From 2012-04-11
Esteban Cantu	ECNX	Baja California,Mexico	31.6570N	116.5978W	1040	
Esteli@15	ESTN	Nicaragua	13.1017N	86.3692W	862	
Estepa	ESTP	Spain	37.2713N	4.8662W	893	
Estepona	EXES	Spain	36.4230N	5.1520W	13	
Esterri de Cardos	CEST	Spain	42.6005N	1.2553E	1325	From 2006-06-01
Estevan Point	ETB	British Columbia,Canada	49.3763N	126.5380W	1	
E St Louis HE Ctr	STIL	Missouri,U.S.A.	38.6205N	90.1626W	131	
Estremoz	PESTR	Portugal	38.8672N	7.5902W	410	From 2006-07-01
Esutoru	ESU	Sakhalinskaya Oblast',Russia	49.0833N	142.0330E		
Eten	CHP7	Peru	6.9450S	79.8650W	200	
Ethiopia-Afar Geoscientific Lithospheric Experiment	GEWE	Ethiopia	10.0060N	40.5743E	600	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AMME	Ethiopia	8.3031N	39.0934E	1670	
Ethiopia-Afar Geoscientific Lithospheric Experiment	NURE	Ethiopia	8.7012N	39.7955E	1182	
Ethiopia-Afar Geoscientific Lithospheric Experiment	WOLE	Ethiopia	8.5339N	37.9822E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	SENE	Ethiopia	9.1466N	39.0166E	2560	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DONE	Ethiopia	8.5090N	39.5504E	1312	
Ethiopia-Afar Geoscientific Lithospheric Experiment	LEME	Ethiopia	8.6115N	38.6095E	2108	
Ethiopia-Afar Geoscientific Lithospheric Experiment	KOTE	Ethiopia	9.3875N	39.3961E	2872	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AWAE	Ethiopia	8.9895N	40.1659E	956	
Ethiopia-Afar Geoscientific Lithospheric Experiment	BORE	Ethiopia	8.7459N	39.5540E	1253	
Ethiopia-Afar Geoscientific Lithospheric Experiment	INEE	Ethiopia	9.8954N	39.1431E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AREEX	Ethiopia	8.9385N	39.4188E	1826	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ADUE	Ethiopia	8.5404N	38.9019E	1750	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MECE	Ethiopia	8.5938N	40.3241E	1775	
Ethiopia-Afar Geoscientific Lithospheric Experiment	GTFE	Ethiopia	9.0034N	39.8376E	1036	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MIEE	Ethiopia	9.2416N	40.7581E	1349	
Ethiopia-Afar Geoscientific Lithospheric Experiment	BEDE	Ethiopia	8.9086N	40.7710E	1714	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DZEE	Ethiopia	8.7803N	38.9959E	1907	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MELE	Ethiopia	9.3106N	40.2008E	762	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MEKE	Ethiopia	8.1623N	38.8330E	1897	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DIKE	Ethiopia	8.0627N	39.5566E	2754	
Ethiopia-Afar Geoscientific Lithospheric Experiment	SHEE	Ethiopia	9.9996N	39.8946E	1298	
Ethiopia-Afar Geoscientific Lithospheric Experiment	CHAE	Ethiopia	9.3118N	38.7624E	2646	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ASEE	Ethiopia	7.9729N	39.1317E	2333	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ADEE	Ethiopia	7.7909N	39.9068E	2485	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ANKE	Ethiopia	9.5927N	39.7339E	2981	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10001	Ethiopia	9.9845N	38.2801E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10008	Ethiopia	9.9318N	38.3222E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10011	Ethiopia	9.9106N	38.3419E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10012	Ethiopia	9.9029N	38.3471E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10014	Ethiopia	9.8891N	38.3613E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10016	Ethiopia	9.8712N	38.3704E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10017	Ethiopia	9.8633N	38.3757E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10018	Ethiopia	9.8552N	38.3819E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10019	Ethiopia	9.8456N	38.3791E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10020	Ethiopia	9.8365N	38.3820E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10021	Ethiopia	9.8293N	38.3897E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10022	Ethiopia	9.8235N	38.3987E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10023	Ethiopia	9.8152N	38.4045E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10024	Ethiopia	9.8103N	38.4071E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10026	Ethiopia	9.8005N	38.4165E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10027	Ethiopia	9.7940N	38.4319E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10028	Ethiopia	9.7870N	38.4380E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10030	Ethiopia	9.7773N	38.4588E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10037	Ethiopia	9.7380N	38.5142E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10042	Ethiopia	9.6897N	38.5300E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10046	Ethiopia	9.6577N	38.5177E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10054	Ethiopia	9.6150N	38.5853E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10062	Ethiopia	9.5487N	38.5824E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10069	Ethiopia	9.4889N	38.5840E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10077	Ethiopia	9.4399N	38.6462E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10078	Ethiopia	9.4311N	38.6523E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10079	Ethiopia	9.4208N	38.6553E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10085	Ethiopia	9.3667N	38.6711E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10089	Ethiopia	9.3391N	38.6930E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10094	Ethiopia	9.3062N	38.7293E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10097	Ethiopia	9.3025N	38.7516E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11001	Ethiopia	9.2831N	38.7820E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11005	Ethiopia	9.2595N	38.8064E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11010	Ethiopia	9.2552N	38.8513E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11012	Ethiopia	9.2176N	38.8727E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11018	Ethiopia	9.1989N	38.9238E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11020	Ethiopia	9.1814N	38.9275E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11021	Ethiopia	9.1743N	38.9325E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11022	Ethiopia	9.1662N	38.9374E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11023	Ethiopia	9.1603N	38.9452E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11024	Ethiopia	9.1536N	38.9528E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11025	Ethiopia	9.1478N	38.9611E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11026	Ethiopia	9.1357N	38.9622E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11030	Ethiopia	9.1116N	38.9875E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11031	Ethiopia	9.1282N	38.9986E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11032	Ethiopia	9.1313N	39.0029E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11038	Ethiopia	9.1189N	39.0490E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11041	Ethiopia	9.0946N	39.0664E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11046	Ethiopia	9.0560N	39.0930E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11051	Ethiopia	9.0196N	39.1200E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11055	Ethiopia	8.9825N	39.1244E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11057	Ethiopia	8.9679N	39.1301E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11058	Ethiopia	8.9697N	39.1386E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11063	Ethiopia	8.9301N	39.1470E		

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111771	Ethiopia	8.9084N 39.2359E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111772	Ethiopia	8.9010N 39.2419E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111776	Ethiopia	8.8738N 39.2631E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111777	Ethiopia	8.8637N 39.2567E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111778	Ethiopia	8.8539N 39.2494E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111779	Ethiopia	8.8447N 39.2442E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111780	Ethiopia	8.8353N 39.2471E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111781	Ethiopia	8.8282N 39.2529E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111782	Ethiopia	8.8183N 39.2546E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111783	Ethiopia	8.8107N 39.2600E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111786	Ethiopia	8.7879N 39.2743E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111788	Ethiopia	8.7696N 39.2749E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111790	Ethiopia	8.7544N 39.2798E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111791	Ethiopia	8.7499N 39.2884E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111796	Ethiopia	8.7158N 39.3380E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111797	Ethiopia	8.7087N 39.3427E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E111799	Ethiopia	8.7053N 39.3603E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112001	Ethiopia	8.7112N 39.3783E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112004	Ethiopia	8.6983N 39.4005E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112013	Ethiopia	8.6210N 39.4402E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112015	Ethiopia	8.6142N 39.4545E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112016	Ethiopia	8.6058N 39.4518E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112017	Ethiopia	8.5958N 39.4545E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112019	Ethiopia	8.5801N 39.4548E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112226	Ethiopia	8.5289N 39.4794E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112300	Ethiopia	8.4971N 39.4660E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112301	Ethiopia	8.4882N 39.4628E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112302	Ethiopia	8.4786N 39.4597E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112303	Ethiopia	8.4683N 39.4636E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112552	Ethiopia	8.4572N 39.5926E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112558	Ethiopia	8.4177N 39.6326E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112662	Ethiopia	8.3894N 39.6572E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112666	Ethiopia	8.3633N 39.6719E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112770	Ethiopia	8.3269N 39.6711E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112774	Ethiopia	8.2853N 39.6596E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112778	Ethiopia	8.2712N 39.6898E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112881	Ethiopia	8.2488N 39.6946E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112885	Ethiopia	8.2122N 39.6980E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112889	Ethiopia	8.1799N 39.7123E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112990	Ethiopia	8.1775N 39.7186E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E112996	Ethiopia	8.1272N 39.7164E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113001	Ethiopia	8.0962N 39.6904E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113003	Ethiopia	8.0741N 39.6860E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113008	Ethiopia	8.0316N 39.6884E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113010	Ethiopia	8.0160N 39.6868E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113111	Ethiopia	8.0067N 39.6849E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113113	Ethiopia	7.9882N 39.6861E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113115	Ethiopia	7.9763N 39.6889E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113118	Ethiopia	7.9790N 39.7160E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113119	Ethiopia	7.9734N 39.7244E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113220	Ethiopia	7.9671N 39.7338E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113221	Ethiopia	7.9563N 39.7394E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113222	Ethiopia	7.9471N 39.7438E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113224	Ethiopia	7.9340N 39.7520E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113227	Ethiopia	7.9115N 39.7699E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113228	Ethiopia	7.9049N 39.7769E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113229	Ethiopia	7.9015N 39.7844E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113330	Ethiopia	7.8917N 39.7894E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113331	Ethiopia	7.8840N 39.7944E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113333	Ethiopia	7.8732N 39.8074E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113334	Ethiopia	7.8654N 39.8120E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113337	Ethiopia	7.8508N 39.8356E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113340	Ethiopia	7.8338N 39.8570E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113441	Ethiopia	7.8277N 39.8648E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113444	Ethiopia	7.8059N 39.8842E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113445	Ethiopia	7.7984N 39.8896E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113446	Ethiopia	7.7950N 39.8979E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113449	Ethiopia	7.7822N 39.9192E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113551	Ethiopia	7.7810N 39.9368E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113552	Ethiopia	7.7768N 39.9455E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113553	Ethiopia	7.7724N 39.9544E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113554	Ethiopia	7.7659N 39.9611E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113556	Ethiopia	7.7539N 39.9743E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113557	Ethiopia	7.7457N 39.9814E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113558	Ethiopia	7.7360N 39.9921E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113660	Ethiopia	7.7259N 40.0091E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113665	Ethiopia	7.7272N 40.0575E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113666	Ethiopia	7.7252N 40.0676E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113770	Ethiopia	7.7060N 40.1015E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113773	Ethiopia	7.7068N 40.1353E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113777	Ethiopia	7.6889N 40.1664E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113884	Ethiopia	7.3815N 40.0146E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113885	Ethiopia	7.3812N 40.0223E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113887	Ethiopia	7.3837N 40.0420E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113891	Ethiopia	7.3861N 40.0815E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113894	Ethiopia	7.3886N 40.1083E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E113896	Ethiopia	7.3868N 40.1252E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114000	Ethiopia	7.3826N 40.1661E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114003	Ethiopia	7.3718N 40.1924E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114007	Ethiopia	7.3791N 40.2298E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114111	Ethiopia	7.3579N 40.2559E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114113	Ethiopia	7.3406N 40.2609E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114115	Ethiopia	7.3232N 40.2640E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114116	Ethiopia	7.3163N 40.2653E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114335	Ethiopia	7.2252N 40.4086E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114337	Ethiopia	7.2309N 40.4216E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E114443	Ethiopia	7.2592N 40.4743E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222144	Ethiopia	8.4083N 39.3809E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222155	Ethiopia	8.4160N 39.3863E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222218	Ethiopia	8.4352N 39.4053E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222220	Ethiopia	8.4437N 39.4265E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222221	Ethiopia	8.4473N 39.4356E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222222	Ethiopia	8.4537N 39.4412E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222223	Ethiopia	8.4608N 39.4459E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222442	Ethiopia	8.5310N 39.6357E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222555	Ethiopia	8.6169N 39.7147E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222556	Ethiopia	8.6251N 39.7220E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222770	Ethiopia	8.7126N 39.8146E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222882	Ethiopia	8.8415N 39.8276E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222884	Ethiopia	8.8622N 39.8311E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222885	Ethiopia	8.8699N 39.8348E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222886	Ethiopia	8.8787N 39.8395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222888	Ethiopia	8.9004N 39.8422E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222991	Ethiopia	8.9347N 39.8425E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222992	Ethiopia	8.9461N 39.8405E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222993	Ethiopia	8.9596N 39.8395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222994	Ethiopia	8.9728N 39.8376E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222995	Ethiopia	8.9853N 39.8359E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222996	Ethiopia	8.9960N 39.8369E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E222997	Ethiopia	9.0052N 39.8390E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223001	Ethiopia	9.0341N 39.8624E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223003	Ethiopia	9.0501N 39.8705E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223004	Ethiopia	9.0585N 39.8753E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223113	Ethiopia	9.1140N 39.9360E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223114	Ethiopia	9.1211N 39.9424E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223115	Ethiopia	9.1289N 39.9478E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223116	Ethiopia	9.1375N 39.9502E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223117	Ethiopia	9.1381N 39.9654E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E223118	Ethiopia	9.1464N 39.9666E		

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2319	Ethiopia	9.1446N 39.9852E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2320	Ethiopia	9.1551N 39.9874E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2321	Ethiopia	9.1587N 39.9998E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2335	Ethiopia	9.1995N 40.1527E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2336	Ethiopia	9.2059N 40.1590E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2337	Ethiopia	9.2110N 40.1661E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2338	Ethiopia	9.2158N 40.1727E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2339	Ethiopia	9.2217N 40.1813E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2340	Ethiopia	9.2270N 40.1886E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2341	Ethiopia	9.2348N 40.1937E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2342	Ethiopia	9.2387N 40.1963E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2345	Ethiopia	9.2620N 40.2143E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2346	Ethiopia	9.2684N 40.2197E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2347	Ethiopia	9.2768N 40.2265E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2348	Ethiopia	9.2827N 40.2337E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2349	Ethiopia	9.2890N 40.2412E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2350	Ethiopia	9.2950N 40.2483E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2351	Ethiopia	9.3014N 40.2521E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2352	Ethiopia	9.3122N 40.2588E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2353	Ethiopia	9.3169N 40.2633E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2354	Ethiopia	9.3258N 40.2688E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2355	Ethiopia	9.3298N 40.2777E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2356	Ethiopia	9.3327N 40.2851E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2357	Ethiopia	9.3402N 40.2908E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2358	Ethiopia	9.3467N 40.2940E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2359	Ethiopia	9.3543N 40.3025E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2360	Ethiopia	9.3628N 40.3056E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2362	Ethiopia	9.3829N 40.3114E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2363	Ethiopia	9.3912N 40.3164E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2364	Ethiopia	9.3989N 40.3234E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2365	Ethiopia	9.4024N 40.3303E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2366	Ethiopia	9.4072N 40.3388E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2369	Ethiopia	9.4272N 40.3604E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2371	Ethiopia	9.4410N 40.3689E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2388	Ethiopia	9.6070N 40.4093E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2396	Ethiopia	9.6749N 40.4409E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2425	Ethiopia	9.9548N 40.5346E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2428	Ethiopia	9.9843N 40.5433E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2430	Ethiopia	9.9993N 40.5563E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2431	Ethiopia	10.0065N 40.5679E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2432	Ethiopia	10.0131N 40.5799E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2433	Ethiopia	10.0215N 40.5871E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2434	Ethiopia	10.0295N 40.5973E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2437	Ethiopia	10.0558N 40.6225E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2441	Ethiopia	10.0942N 40.6377E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2449	Ethiopia	10.1850N 40.6458E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2451	Ethiopia	10.2116N 40.6401E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E31	Ethiopia	8.7774N 39.8644E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3105	Ethiopia	8.7062N 39.1952E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3107	Ethiopia	8.7400N 39.2184E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3110	Ethiopia	8.8089N 39.2790E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3114	Ethiopia	8.8937N 39.2718E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3116	Ethiopia	8.8349N 39.3179E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3120	Ethiopia	8.9217N 39.3612E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E32	Ethiopia	8.8473N 40.0089E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3205	Ethiopia	8.5746N 39.2167E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3207	Ethiopia	8.6364N 39.2331E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3209	Ethiopia	8.6872N 39.2605E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3212	Ethiopia	8.7816N 39.2994E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3213	Ethiopia	8.7827N 39.3278E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3214	Ethiopia	8.8009N 39.3395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3218	Ethiopia	8.8719N 39.3942E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3221	Ethiopia	8.9198N 39.3957E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3224	Ethiopia	8.9690N 39.4533E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3225	Ethiopia	8.9828N 39.4685E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3228	Ethiopia	9.0271N 39.5334E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E33	Ethiopia	8.9255N 39.9290E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3300	Ethiopia	8.3064N 39.1021E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3303	Ethiopia	8.2723N 39.1603E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3304	Ethiopia	8.2542N 39.1722E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3323	Ethiopia	8.2696N 39.6172E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E344	Ethiopia	7.2143N 38.5989E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3404	Ethiopia	8.4369N 39.3198E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3414	Ethiopia	8.1818N 39.2427E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E35	Ethiopia	9.1336N 40.1681E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3518	Ethiopia	8.7897N 39.5794E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3520	Ethiopia	8.8460N 39.6028E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3521	Ethiopia	8.8670N 39.6103E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3523	Ethiopia	8.9172N 39.6368E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3524	Ethiopia	8.9302N 39.6506E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3525	Ethiopia	8.9445N 39.6694E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3527	Ethiopia	8.9498N 39.6902E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3528	Ethiopia	8.9535N 39.7111E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3529	Ethiopia	8.9553N 39.7217E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346	Ethiopia	9.1075N 40.0136E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3603	Ethiopia	8.6983N 39.5336E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3604	Ethiopia	8.7097N 39.5491E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3605	Ethiopia	8.7284N 39.5622E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3606	Ethiopia	8.7370N 39.5753E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3609	Ethiopia	8.7730N 39.6214E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3621	Ethiopia	8.7952N 39.5950E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E37	Ethiopia	8.1744N 38.6964E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3701	Ethiopia	8.7519N 39.6672E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3702	Ethiopia	8.7305N 39.6766E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3704	Ethiopia	8.6967N 39.7088E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3706	Ethiopia	8.6668N 39.7481E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3713	Ethiopia	8.6022N 39.7792E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3714	Ethiopia	8.5848N 39.7906E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3715	Ethiopia	8.5690N 39.8019E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3726	Ethiopia	8.4714N 39.8093E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3729	Ethiopia	8.4320N 39.7420E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3730	Ethiopia	8.4161N 39.7241E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3738	Ethiopia	8.4074N 39.5713E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3742	Ethiopia	8.5588N 39.5887E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3743	Ethiopia	8.5774N 39.5989E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E39	Ethiopia	9.2415N 40.1334E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E40	Ethiopia	9.3616N 40.2172E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E41	Ethiopia	8.0096N 38.5325E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E42	Ethiopia	8.8790N 40.0961E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E43	Ethiopia	9.2549N 39.5022E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E44	Ethiopia	9.6722N 39.5249E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E45	Ethiopia	7.7881N 38.7948E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E46	Ethiopia	8.7090N 39.6909E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E47	Ethiopia	8.4649N 39.4532E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E48	Ethiopia	7.6239N 38.9907E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E49	Ethiopia	8.3144N 39.3212E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E50	Ethiopia	8.2739N 39.4958E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E51	Ethiopia	8.1485N 39.3478E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E52	Ethiopia	8.1380N 39.2405E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E53	Ethiopia	8.0433N 39.0114E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E54	Ethiopia	8.1182N 39.1385E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E55	Ethiopia	8.2950N 38.9492E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E56	Ethiopia	8.4622N 39.0637E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E57	Ethiopia	8.5848N 39.1320E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E58	Ethiopia	8.6909N 39.1826E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E59	Ethiopia	8.7059N 39.3516E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E60	Ethiopia	8.6215N 39.4488E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E61	Ethiopia	8.8974N 39.6229E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E63	Ethiopia	8.2600N 39.2359E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment	E64	Ethiopia	8.5680N	39.2907E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E66	Ethiopia	9.0326N	39.5300E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E67	Ethiopia	8.3844N	39.6810E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E68	Ethiopia	8.7821N	39.2628E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E69	Ethiopia	7.9296N	38.7216E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E70	Ethiopia	8.8823N	39.1544E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E71	Ethiopia	8.6935N	38.8955E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E72	Ethiopia	8.4871N	39.8329E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E73	Ethiopia	7.7375N	39.0262E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E74	Ethiopia	8.3564N	38.8456E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E75	Ethiopia	7.9141N	38.9512E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E76	Ethiopia	7.7245N	38.6537E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E77	Ethiopia	7.8643N	38.7914E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E78	Ethiopia	8.5931N	39.6977E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E79	Ethiopia	7.6294N	38.7056E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E80	Ethiopia	8.4781N	39.3106E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E82	Ethiopia	8.8459N	40.0096E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E83	Ethiopia	7.8019N	38.7919E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E84	Ethiopia	8.6983N	39.4005E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E85	Ethiopia	8.4572N	39.5926E		
Ethiopian Broadband Seismic Experiment	BIRH	Ethiopia	9.6723N	39.5253E	2805	
Ethiopian Broadband Seismic Experiment	GUDE	Ethiopia	8.9665N	37.7652E	2018	
Ethiopian Broadband Seismic Experiment	BDAR	Ethiopia	9.6721N	39.5254E	2802	
Ethiopian Broadband Seismic Experiment	TERC	Ethiopia	7.1446N	37.1747E	1390	
Ethiopian Broadband Seismic Experiment	NAZA	Ethiopia	8.5680N	39.2907E	1729	
Ethiopian Broadband Seismic Experiment	BUTA	Ethiopia	8.1171N	38.3824E	2083	
Ethiopian Broadband Seismic Experiment	TEND	Ethiopia	11.7925N	41.0043E	419	
Ethiopian Broadband Seismic Experiment	DMRK	Ethiopia	10.3080N	37.7290E	2357	
Ethiopian Broadband Seismic Experiment	NEKE	Ethiopia	9.0890N	36.5235E	2080	
Ethiopian Broadband Seismic Experiment	HOSA	Ethiopia	7.5640N	37.8573E	2306	
Ethiopian Broadband Seismic Experiment	CHEF	Ethiopia	6.1613N	38.2101E	1701	
Ethiopian Broadband Seismic Experiment	JIMA	Ethiopia	7.6840N	36.8310E	1664	
Ethiopian Broadband Seismic Experiment	FICH	Ethiopia	9.7822N	38.7372E	2825	
Ethiopian Broadband Seismic Experiment	BAHI	Ethiopia	11.5743N	37.3934E	1793	
Ethiopian Broadband Seismic Experiment	ARBA	Ethiopia	6.0672N	37.5564E	1273	
Ethiopian Broadband Seismic Experiment	GOBAX	Ethiopia	7.0270N	39.9820E	2732	
Ethiopian Broadband Seismic Experiment	WASH	Ethiopia	8.9895N	40.1659E	917	
Ethiopian Broadband Seismic Experiment	WANE	Ethiopia	10.1694N	40.6491E	606	
Ethiopian Broadband Seismic Experiment	KARAX	Ethiopia	10.4224N	39.9348E	1753	
Ethiopian Broadband Seismic Experiment	BELAX	Ethiopia	6.9286N	38.4702E	1916	
Ethiopian Broadband Seismic Experiment	WELK	Ethiopia	8.2946N	37.7818E	1896	
Ethiopian Broadband Seismic Experiment	DIYAX	Ethiopia	11.8343N	39.5956E	1922	
Ethiopian Broadband Seismic Experiment	DELE	Ethiopia	8.4393N	36.3259E	1969	
Ethiopian Broadband Seismic Experiment	HERO	Ethiopia	7.0263N	39.2769E	2374	
Ethiopian Broadband Seismic Experiment	HIRN	Ethiopia	9.2224N	41.1059E	1816	
Ethyl Lake Duckett	ELD	Alberta,Canada	54.5358N	110.3320W	564	From 1978-12-01
Etna Belvedere	EBEL	Sicily,Italy	37.7408N	15.0091E	2808	From 2004-09-14
Etna Monte Conca	EMCN	Italy	37.7912N	15.0335E	1911	From 2008-05-15
Etna Monte Frumento Supino	EMFS	Italy	37.7196N	14.9979E	2545	From 2004-07-20
Etowah	ETT	Tennessee,U.S.A.	35.3260N	84.4550W	588	From 1981-11-25
Etsaut	ETSF	Aquitaine,France	42.8986N	0.5592W	910	From 1996-04-03
Eue Claire	L46A	Michigan,U.S.A.	42.0127N	86.2955W	223	From 2012-09-08
Eugene	EUO	Oregon,U.S.A.	44.0294N	123.0689W	160	
Eugene	I03A	Oregon,U.S.A.	43.9726N	123.2777W	205	From 2005-11-18 to 2008-01-20
Eugowra	EUGM	New South Wales,Australia	33.4182S	148.3418E	290	
Eumseong	EMSB	Republic of Korea	36.9737N	127.6236E	207	From 2011-12-20
Eureka	F29A	South Dakota,U.S.A.	45.8336N	99.8273W	575	From 2009-08-21 to 2011-08-26
Eureka	EUNU	Nunavut,Canada	80.0533N	86.4158W	628	
Eureka	EUW	Washington,U.S.A.	46.3958N	118.5620W	367	From 1975-06-01
Eureka	P10A	Nevada,U.S.A.	39.6202N	116.4639W	1874	From 2006-06-07 to 2008-09-08
Eureka	EUR	Nevada,U.S.A.	39.4833N	115.9700W	2178	From 1958-05-01
Eureka	EK-NV	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Canyon	JECM	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	LT12	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	EUC	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	JECB	California,U.S.A.	37.0492N	121.8072W	365	
Eureka (L)	EK-	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Mesa	EUM	New Mexico,U.S.A.	36.0131N	106.8440W	2914	From 1976-01-13
Eureka Ridge	ERI	Idaho,U.S.A.	46.5347N	116.2750W	862	From 1971-10-01 to 1974-07-26
Eutaw	EU2AL	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Eutaw	EU-	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU-AL	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU2	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Evander	EVA	Transvaal,South Africa	26.5055S	29.0770E	1621	From 1981-01-01 to 1999-01-31
Evansville	EVIN	U.S.A.	37.9716N	87.5297W	140	
Evansville	F48A	Ontario,Canada	45.8278N	82.6185W	203	From 2012-11-13
Evensk	EVEN	Magadanskaya Oblast',Russia	61.9140N	159.2290E	17	From 2008-11-23
Evensk	EVES	Magadanskaya Oblast',Russia	61.9210N	159.2310E	22	From 1980-06-01 to 1993-07-01
Evensk	EVNR	Magadanskaya Oblast',Russia	61.9240N	159.2670E	75	From 2006-05-05
Everest	EVN	Nepal	27.9568N	86.8167E	5037	
Everett College ANSS-SMO	EVCC	Washington,U.S.A.	48.0073N	122.2055W	30	From 2001-08-28
Everett Gateway Middle School ANSS-SMO	EVGW	Washington,U.S.A.	47.8542N	122.1546W	122	From 2001-07-01
Everglades	EVE	Florida,U.S.A.	25.3873N	80.6828W	1	
Evergreen College	EGRN	Washington,U.S.A.	47.0733N	122.9781W	57	
Evora	NE27	Portugal	38.5320N	8.0130W		
Evora	EVO	Portugal	38.5320N	8.0130W	235	
Evrytania	EVR	Greece	38.9167N	21.8087E	1050	
E Wide Canyon 2	EW2	California,U.S.A.	33.9406N	116.4084W	639	
Ewing Young ES, Newberg ANSS-SMO	EYES	Oregon,U.S.A.	45.3294N	123.0577W	61	From 2002-09-01
Excelsior	EXC	Nevada,U.S.A.	38.3385N	118.3242W	1823	
Exmoor	HEX	England,United Kingdom	51.0668N	3.8025W	278	From 1991-01-01
Exogi	EXG	Greece	38.4609N	20.6327E	331	From 2010-06-09
Experimental Lakes	EPLO	Ontario,Canada	49.6737N	93.7258W	437	
Experiment Station	EXSG	California,U.S.A.	37.6137N	118.8310W	2153	From 1984-07-01
Extrema	ETMB	Rondonia,Brazil	9.8168S	66.2137W	118	From 2014-07-27
Eyrewell	EYCZ	South Island,New Zealand	43.4214S	172.3554E	150	From 2012-03-28
Eystri-Skogar	IESK	Iceland	63.5250N	19.4510W	95	From 2001-10-04
Ezine	EZN	Turkey	39.8258N	26.3253E	50	From 1970-08-01
FA05	FA05	Finland	62.5550N	31.2190E	152	
FA06	FA06	Finland	62.2260N	30.6110E	78	
FA07	FA07	Finland	61.9110N	29.9910E	83	
FA08	FA08	Finland	61.5510N	29.3600E	85	
FA09	FA09	Finland	61.2100N	28.9450E	80	
FA10	FA10	Finland	60.9010N	28.2320E	63	
FA11	FA11	Finland	60.5370N	27.5550E	20	
Fabra	FBR	Spain	41.4164N	2.1250E	405	
Fabrichnaya	FAB	Kazakhstan	43.1470N	76.4470E	1050	
Fachingen	FACH	Rheinland-Pfalz,Germany	50.3563N	7.9938E	110	
Faenza	FAE	Italy	44.3056N	11.8833E	48	
Faenza	FAEN	Italy	44.2895N	11.8770E	41	From 2007-09-17
Fagnano	FAGN	Italy	42.2660N	13.5840E	760	From 2004-05-11
Fagurholsmyri	IFAG	Iceland	63.8750N	16.6540W	27	From 1999-05-14
Faicchio (BN)	T1012	Italia	41.2623N	14.4965E	598	From 2013-12-31 to 2014-03-03
Failaka Island	FKI	Kuwait	29.4471N	48.3132E	6	
Fairbairn	FAIR	Queensland,Australia	23.6565S	148.0772E	290	
Fairbanks	FB-AK	Alaska,U.S.A.	64.9519N	148.2842W	716	
Fairbanks	FBAS	Alaska,U.S.A.	64.7711N	146.8860W	400	
Fairbanks	FB2AK	Alaska,U.S.A.	64.9100N	147.4464W	343	
Fairbanks	FBK	Alaska,U.S.A.	64.8994N	148.0060W	330	From 1970-09-01 to 1972-04-30
Fairbanks	FBA	Alaska,U.S.A.	64.9000N	147.7933W	320	From 1978-08-13 to 1996-12-31
FAIRBANKS INFRASONIC ARRAY REFERENCE POINTS	I53US	Alaska,U.S.A.	64.8750N	147.8611W	200	From 2002-09-17
Fairbanks--Long Period	FBAL	Alaska,U.S.A.	64.9100N	147.4464W	365	
Fairbourne	WFB	Wales,United Kingdom	52.6830N	4.0378W	325	From 1985-01-01
Fairfield	D25A	North Dakota,U.S.A.	47.1508N	103.3203W	850	From 2009-07-22 to 2011-06-18
Fair Harbour	FHRB	British Columbia,Canada	50.0537N	127.1186W	0	From 2009-03-12
Fairmont	FTW	Washington,U.S.A.	47.8767N	122.2010W	147	From 1975-09-24
Fairpoint	H26A	South Dakota,U.S.A.	44.6168N	102.7739W	879	From 2009-06-20 to 2011-06-02
Fairview Park	FPN1	Nevada,U.S.A.	39.2488N	118.1620W	2002	
Fairview Peak	FPN	Nevada,U.S.A.	39.2040N	118.1560W	2256	From 1971-09-30 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Faith Ranch, Carrizo Springs	832A	Texas,U.S.A.	28.2844N	99.9743W	238	From 2009-12-07 to 2011-10-12
Faja de Cima	FAC	Azores,Portugal	37.7732N	25.6505W	191	From 1981-01-01
Fakeheh	FKH	Lebanon	34.2448N	36.4102E	1152	From 2004-12-01
Fak Fak	FAKI	Irian Jaya,Indonesia	2.9192S	132.2489E	136	From 2008-11-27
Faliron Pireas	PIR2	Greece	37.9457N	23.6709E	17	From 2012-09-01
Falk	FKPU	Sweden	58.1591N	13.7241E	305	From 2004-08-07
Falkenberg	FABU	Sweden	57.0011N	12.7184E	80	From 2006-10-07
Falkenberg	FALK	Bayern,Germany	49.8606N	12.2248E	465	
Falkland Islands	FLK	Falkland Islands	51.8365S	58.4465W	10	From 1992-11-06
Fall Branch	U53A	Tennessee,U.S.A.	36.3644N	82.5765W	559	From 2012-05-21
Falling Springs	FAL	California,U.S.A.	34.3098N	117.8092W	2316	
Fallon	P07A	Nevada,U.S.A.	39.5399N	118.8893W	1218	From 2006-02-25 to 2008-03-10
Fall River	FLR	Massachusetts,U.S.A.	41.7167N	71.1215W	52	From 1975-03-24 to 1999-01-31
False Pass	FALS	Alaska,U.S.A.	54.8573N	163.4155W	45	
False Pass	FSP	Alaska,U.S.A.	54.9533N	163.4570W	200	
Falun	FALU	Sweden	60.4943N	15.8318E	150	From 2002-01-15
Famagusta	FAM	Cyprus	34.9961N	34.0019E	68	From 1987-02-01 to 1998-11-30
Famara	EFAM	Spain	29.1275N	13.5295W	135	
Fancy Village	SFAN	St Vincent,Saint Vincent and the Grenadines	13.3838N	61.1721W	229	
F and S Farms, Texico	X27A	New Mexico,U.S.A.	34.6469N	103.0974W	1304	From 2008-04-28 to 2010-03-16
Fangliau	SCZT	Taiwan region	22.3720N	120.6200E	74	
Fanning Island	FAN	Line Islands,Kiribati	4.0000N	159.6670W		
Fano	MFNN	Italy	43.8230N	13.0087E	24	From 2001-05-30
Fano Adriatico	RM18	Italy	42.5499N	13.5318E	853	From 2009-04-09 to 2009-06-23
Fanzolo, Italy	MFAN	Italy	45.7119N	11.9989E	65	From 2010-07-06
Faraa	FRAS	Saudi Arabia	21.0584N	40.5183E	1996	
Farallon Islands	NFIM	California,U.S.A.	37.6983N	123.0000W	107	From 1971-05-05
Farallon Islands	FARB	California,U.S.A.	37.6978N	123.0011W	-18	From 1997-03-15
Farasan al Kabir	FRSS	Saudi Arabia	16.7383N	42.1152E	66	
Faratahi	FRT	Tuamotu,French Polynesia	18.1700S	141.0420W	2	From 1976-01-01
Fardella	BFRD	Italy	40.1139N	16.1671E	753	From 2011-12-18
Farellones	FCH	Santiago,Chile	33.3276S	70.2906W	2770	From 1982-01-01
Fargo Canyon	FRGC	California,U.S.A.	33.7572N	116.0623W	887	
Faris Peak	WFAR	Alaska,U.S.A.	54.5371N	164.7765W	640	
Farley Peak	KFPM	California,U.S.A.	39.6392N	123.4240W	796	
Farmers Butte	FBO	Oregon,U.S.A.	44.3099N	122.5780W	1080	From 1991-09-01
Farmington	FARG	New Mexico,U.S.A.	36.7781N	108.1870W	1801	From 1977-10-01 to 1999-08-25
Farmland	O48A	Indiana,U.S.A.	40.2571N	85.1553W	300	From 2012-06-21
Farmville	FRV	Virginia,U.S.A.	37.2030N	78.3593W	216	From 1978-10-10 to 2004-09-30
Faro	FARH	Ecuador	0.0355S	78.5095W	3595	
Faro	FAR	Portugal	37.0189N	7.9722W	8	
Faro	PFARO	Portugal	37.0259N	7.9224W	18	From 2015-02-27
Farra di Soligo, Italy	MPRO	Italy	45.9106N	12.1070E	281	From 2010-06-07
Farr-Stevens Ranch, Sargent	738A	Texas,U.S.A.	28.8404N	95.6481W	13	From 2010-02-16 to 2011-11-11
Farsala	FRS1	Thessaly,Greece	39.2935N	22.3844E	163	From 2011-06-15
Farson	L19A	Wyoming,U.S.A.	42.1012N	109.3575W	2034	From 2007-10-24 to 2009-10-15
Fartura	FRTB	Sao Paulo,Brazil	23.3435S	49.5635W	531	
Far West T-bar	FWVZ	North Island,New Zealand	39.2549S	175.5530E	2043	From 1999-05-11
Fasano	FASA	Italy	40.8162N	17.3541E	172	From 2011-04-14
Fath-abad	IFTB	Iran	38.0171N	46.3944E	2222	From 2008-01-01
Fatmalar	FAT	Turkey	36.9065N	31.5136E	472	From 1975-04-01
Faulkton	G30A	South Dakota,U.S.A.	45.1293N	99.1446W	496	From 2009-09-09 to 2011-07-12
Faultless	FA-NV	Nevada,U.S.A.	38.6406N	116.2228W	1920	
Fauresmith	FRS	Orange Free State,South Africa	29.7500S	25.3217E	1420	From 1985-01-01 to 2000-09-01
Favara	FAVR	Sicily,Italy	37.2671N	13.6669E	258	
Favara	FAI	Sicily,Italy	37.2758N	13.6756E	149	From 1983-04-01
Favara	FA1	Sicily,Italy	37.3000N	13.6600E	330	From 1983-04-01
Fayetteville	FAY	Arkansas,U.S.A.	36.0911N	94.1911W	404	From 1952-01-01 to 1969-07-31
Fayetteville	FAV	Arkansas,U.S.A.	36.1214N	94.1906W	387	From 1969-07-01
Fayid	FYD	Egypt	30.2930N	32.2310E	200	
Fayoum	RYAN	Egypt	29.0820N	30.2770E	123	From 2014-09-01
Faz. Rancharia - MS	FRNC1	Mato Grosso,Brazil	18.6011S	55.8295W	136	From 2011-07-14
FB03	FB03	Finland	63.2500N	32.0320E	190	
FB05	FB05	Finland	62.8120N	30.5960E	160	
FB06	FB06	Finland	62.4880N	30.0060E	90	
FB07	FB07	Finland	62.1300N	29.6020E	105	
FB08	FB08	Finland	61.8500N	28.7960E	105	
FB09	FB09	Finland	61.4650N	28.2050E	110	
FB10	FB10	Finland	61.1410N	27.6160E	110	
FB11	FB11	Finland	60.7860N	27.0180E	55	
FC03	FC03	Finland	63.9250N	30.9030E	185	
FC04	FC04	Finland	63.4330N	30.4140E	150	
FC05	FC05	Finland	63.0590N	29.8680E	145	
FC06	FC06	Finland	62.7630N	29.3750E	90	
FC07	FC07	Finland	62.4090N	28.7250E	100	
FC08	FC08	Finland	62.1060N	28.0630E	80	
FC09	FC09	Finland	61.7450N	27.4940E	115	
FC10	FC10	Finland	61.3880N	26.9450E	95	
FC11	FC11	Finland	61.0360N	26.3980E	75	
FD03	FD03	Finland	64.0570N	30.3050E	225	
FD04	FD04	Finland	63.6640N	29.8730E	157	
FD05	FD05	Finland	63.3490N	29.2370E	95	
FD06	FD06	Finland	63.0120N	28.6070E	145	
FD07	FD07	Finland	62.6560N	27.9950E	170	
FD08	FD08	Finland	62.3230N	27.3900E	127	
FD09	FD09	Finland	61.9890N	26.8780E	122	
FD11	FD11	Finland	61.2860N	25.7210E	105	
FD12	FD12	Finland	60.9490N	25.1580E	120	
FD14	FD14	Finland	60.1890N	24.1950E	45	
FD15	FD15	Finland	59.8430N	23.2460E	2	
FE03	FE03	Finland	64.2760N	29.8350E	178	
FE04	FE04	Finland	63.9340N	29.1020E	195	
FE05	FE05	Finland	63.5820N	28.5830E	183	
FE06	FE06	Finland	63.2810N	27.9110E	114	
FE07	FE07	Finland	62.9190N	27.4170E	90	
FE08	FE08	Finland	62.5910N	26.7350E	105	
FE09	FE09	Finland	62.1110N	26.3090E	195	
FE10	FE10	Finland	61.9020N	25.6600E	95	
FE11	FE11	Finland	61.5290N	25.0420E	150	
FE12	FE12	Finland	61.1890N	24.4610E	95	
FE13	FE13	Finland	60.8320N	23.9690E	122	
FE14	FE14	Finland	60.4820N	23.4690E	178	
FE15	FE15	Finland	60.1130N	22.9340E	80	
Feather Falls	FEA	California,U.S.A.	39.6191N	121.2460W	1227	From 1966-06-01 to 1969-01-31
Featherly Pass	FLP	Alaska,U.S.A.	57.7117N	156.2650W	485	From 1975-10-01
Federal Ranch	FRC	British Columbia,Canada	56.4417N	122.3830W		From 1967-12-01 to 1973-04-06
Fedgar	IFED	Iceland	64.0251N	19.6909W	432	From 2012-08-14
F¨f¨, Capesterre Belles Eaux	CBE	Guadeloupe,France	16.0697N	61.6071W	378	From 2012-09-17
Feichten	FETA	Austria	47.0211N	10.7291E	1632	From 2006-12-13
Feke	FEKT	Turkey	37.8070N	35.9070E	690	From 1993-01-01
Feldberg	FEL	Baden-Wurttemberg,Germany	47.8758N	8.0127E	1330	From 1961-01-01 to 1996-04-30
Feldberg im Schwarzwald	FELD	Baden-Wurttemberg,Germany	47.8763N	8.0040E	1465	From 1996-04-01
Felix, Anita	M36A	Iowa,U.S.A.	41.4537N	94.8021W	430	From 2010-11-06 to 2012-08-31
Fenais da Ajuda	PFAD	Azores,Portugal	37.8388N	25.3231W	291	From 2003-12-01
Fenestrelle	FENE	Italy	45.0302N	7.0627E	1000	From 1996-10-01 to 2009-09-30
Feng-lin	TWE*	Taiwan region	23.7367N	120.4255E	140	
Fenwick Farm, Montrose	R38A	Missouri,U.S.A.	38.1868N	93.9056W	237	From 2010-12-05 to 2012-09-29
Feodosiya	FEO	Ukraine	45.0190N	35.3900E	40	
Fergana	FRG	Uzbekistan	40.3833N	71.7833E	577	
Ferguson	FERR	Nevada,U.S.A.	38.5928N	118.1750W	1646	From 1976-03-01
Ferguson Farm, Pottsville	W40A	Arkansas,U.S.A.	35.1923N	93.0693W	108	From 2011-01-25 to 2012-11-06
Fermate	NQWLB	Haiti	18.4941N	72.3150W	905	
Fernandina1, Punta Espinoza	FER1	Galapagos,Ecuador	0.4881S	91.4481W	64	From 2012-10-09
Fernandina2, Punta Mangle	FER2	Galapagos,Ecuador	0.4665S	91.4106W	250	From 2012-10-09
Fernando de Noronha	FNDO	Brazil	3.8333S	32.4167W		
Ferndale	FER	California,U.S.A.	40.5767N	124.2620W	15	From 1933-01-01
Fern Forest	FEF	Hawaii,U.S.A.	19.4783N	155.1490W	691	
Fernie	FRN	British Columbia,Canada	49.4833N	114.9770W		
Ferrara borehole (Italy)	FERB	Italy	44.9014N	11.5400E	-129	From 2012-09-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ferrara-Casaglia	FERS	Italy	44.9035N	11.5406E	3	From 2012-12-21
Ferrara Citta	FECT	Italy	44.8675N	11.6264E	-55	
Ferry Basin	FBMT	Montana,U.S.A.	47.4068N	114.4222W	1518	
Feteiras	PFET	Azores,Portugal	37.8174N	25.7886W	342	From 2004-06-01
Fethiye	FETY	Turkey	36.6353N	29.0835E	452	From 2004-12-03
Fethiye-Mugla	FETI	Turkey	36.6901N	29.0962E	20	From 2011-04-21
FF02	FF02	Finland	64.7800N	30.0060E	225	
FF04	FF04	Finland	64.2070N	28.4750E	175	
FF05	FF05	Finland	63.8210N	27.9900E	170	
FF06	FF06	Finland	63.5020N	27.2050E	125	
FF07	FF07	Finland	63.1920N	26.5940E	113	
FF11	FF11	Finland	61.7980N	24.2870E	155	
FF12	FF12	Finland	61.3740N	23.8780E	125	
FF13	FF13	Finland	61.0550N	23.3430E	108	
FF14	FF14	Finland	60.6930N	22.8190E	177	
FF15	FF15	Finland	60.4160N	22.4430E	60	
FF30	FF30	Finland	64.4950N	29.0990E	220	
FF31	FF31	Finland	64.3770N	28.6720E	240	
FF32	FF32	Finland	64.3860N	29.4280E	230	
FF33	FF33	Finland	64.6210N	28.8150E	205	
FF90	FF90	Finland	62.4870N	25.4720E	194	
FF91	FF91	Finland	62.6540N	25.6920E	120	
FF92	FF92	Finland	62.4030N	25.9020E	120	
FF93	FF93	Finland	62.2890N	25.3070E	220	
FF94	FF94	Finland	62.5690N	25.0570E	237	
FG01	FG01	Finland	65.4380N	29.5580E	218	
FG02	FG02	Finland	65.1560N	29.1000E	220	
FG03	FG03	Finland	64.8240N	28.4120E	223	
FG04	FG04	Finland	64.4510N	27.7780E	221	
FG05	FG05	Finland	64.1480N	27.2050E	135	
FG06	FG06	Finland	63.7640N	26.5380E	142	
FG07	FG07	Finland	63.4190N	25.8970E	157	
FG08	FG08	Finland	63.0840N	25.3700E	128	
FG09	FG09	Finland	62.7210N	24.7910E	188	
FG10	FG10	Finland	62.3990N	24.2360E	150	
FG11	FG11	Finland	62.0890N	23.7340E	309	
FG12	FG12	Finland	61.6510N	23.1290E	62	
FG13	FG13	Finland	61.3080N	22.6850E	70	
FG14	FG14	Finland	60.9570N	22.1070E	64	
FH02	FH02	Finland	65.4120N	28.2690E	231	
FH03	FH03	Finland	65.0610N	27.6110E	213	
FH04	FH04	Finland	64.7040N	27.1100E	140	
FH05	FH05	Finland	64.3570N	26.5070E	115	
FH06	FH06	Finland	64.0260N	25.8150E	119	
FH07	FH07	Finland	63.6820N	25.1990E	112	
FH09	FH09	Finland	62.9610N	24.1320E	151	
FH10	FH10	Finland	62.6230N	23.5270E	127	
FH11	FH11	Finland	62.2400N	23.0670E	142	
FH12	FH12	Finland	61.9020N	22.3530E	111	
FH13	FH13	Finland	61.5610N	22.0080E	63	
FH14	FH14	Finland	61.2390N	21.4730E	108	
Fiamignano	FIAM	Italy	42.2680N	13.1172E	1070	From 2004-07-02
Ficken Ranch, Kirk	P27A	Colorado,U.S.A.	39.5559N	102.5782W	1286	From 2009-02-03 to 2010-10-16
Fickle Hill	FHC	California,U.S.A.	40.8017N	123.9850W	610	From 1968-12-01
Fiddyment Ranch	AFRM	California,U.S.A.	38.7923N	121.3490W	31	From 1976-12-02
Fieale Koma	FIK	Djibouti	11.5936N	42.5101E	100	
Fields	L08A	Oregon,U.S.A.	42.1901N	118.3445W	1490	From 2006-06-19 to 2008-04-19
Fields Point	FPW	Washington,U.S.A.	47.9667N	120.2130W	352	From 1975-06-01
Fieri	FIER	Albania	40.7173N	19.5671E	15	From 2014-01-17
Fierza	FRZ	Albania	42.2813N	20.0382E		
Fiescheralp	FIESA	Switzerland	46.4353N	8.1104E	2338	From 2009-11-12
Fiesheim UWZ	BA04	Nordrhein-Westfalen,Germany	50.7620N	6.7941E	118	From 2006-10-01
Fife Lake	H46A	Michigan,U.S.A.	44.5397N	85.2034W	329	From 2012-11-08
Fig Tree	FGTQ	Queensland,Australia	20.9701S	147.7760E	220	From 1987-08-03
Figueroa Mtn.	FIGC	California,U.S.A.	34.7283N	119.9880W	945	
Figuig	FIGM	Morocco	32.1330N	1.2620W	1238	
Fila Bonilla	FIBO	Costa Rica	10.0192N	83.7075W	2160	
Fila Carbon	FICA	Costa Rica	9.7375N	82.8945W	204	
Fila de Piedra	FIPE	Venezuela	7.9697N	71.2511W	600	From 1984-01-01
Filaki	VFI	Greece	39.2352N	22.5921E	360	From 1982-10-01
Fila Paraiso	ELPA	Venezuela	7.7917N	71.7253W	1285	From 1984-01-01
Filetto	RM08	Italy	42.3719N	13.5047E	1054	From 2009-04-06 to 2009-08-31
Filicudi I Eolie	IFIL	Sicily,Italy	38.5640N	14.5660E	200	From 1979-01-01
Filignano	CERA	Italy	41.5978N	14.0183E	800	From 2006-07-20
Fillmore	FM-	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FM-UT	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FIL	California,U.S.A.	34.4238N	118.8350W	243	
Fillmore	Q15A	Utah,U.S.A.	38.9995N	112.3793W	1477	From 2007-05-22 to 2008-11-15
Fillols	FILF	Languedoc-Rousillon,France	42.5603N	2.5603E	850	From 1998-09-09
Finale Ligure	FINB	Italy	44.1775N	8.3253E	85	From 2008-01-01
Finale Ligure	FIN	Italy	44.2092N	8.2083E	590	From 1984-01-01 to 2009-09-30
Finca la Perla	LAPC	Costa Rica	10.7675N	85.4328W	359	From 2000-01-01
Finca Las Imˆ¡genes	GBS3	Costa Rica	10.7818N	85.4550W	359	From 2000-01-01
Fine	FINE	New York,U.S.A.	44.2650N	75.1670W	354	
FINESS Array Beam Reference Point	FINES	Finland	61.4436N	26.0771E	150	
FINESS Array Site A0	FIA0	Finland	61.4436N	26.0771E	156	From 1990-01-01
FINESS Array Site A1	FIA1	Finland	61.4445N	26.0793E	138	
FINESS Array Site A2	FIA2	Finland	61.4412N	26.0737E	162	
FINESS Array Site A3	FIA3	Finland	61.4447N	26.0716E	153	
FINESS Array Site B1	FIB1	Finland	61.4441N	26.0845E	165	
FINESS Array Site B2	FIB2	Finland	61.4391N	26.0818E	159	
FINESS Array Site B3	FIB3	Finland	61.4394N	26.0706E	176	
FINESS Array Site B4	FIB4	Finland	61.4436N	26.0650E	158	
FINESS Array Site B5	FIB5	Finland	61.4467N	26.0711E	143	
FINESS Array Site B6	FIB6	Finland	61.4469N	26.0808E	147	
FINESS Array Site C1	FIC1	Finland	61.4384N	26.0596E	158	
FINESS Array Site C2	FIC2	Finland	61.4488N	26.0612E	154	
FINESS Array Site C3	FIC3	Finland	61.4527N	26.0772E	133	
FINESS Array Site C4	FIC4	Finland	61.4489N	26.0899E	145	
FINESS Array Site C5	FIC5	Finland	61.4397N	26.0917E	161	
FINESS Array Site C6	FIC6	Finland	61.4346N	26.0760E	159	
Finlay Fork	FNC	British Columbia,Canada	55.9917N	123.2500W		
Finn Hill Junior High School	FINN	Washington,U.S.A.	47.7191N	122.2319W	10	
Finntorp	FINU	Sweden	59.4034N	12.4789E	229	From 2005-05-01
Finschhafen	FINC	Papua New Guinea	6.6167S	147.8570E	7	From 1992-05-20
Finsterwolde	FSW	Netherlands	53.2146N	7.1204E	0	
Finsterwolde 1	FSW1	Netherlands	53.2135N	7.1195E	1	From 2010-04-29
Finsterwolde 2	FSW2	Netherlands	53.2135N	7.1195E	-74	From 2010-04-29
Finsterwolde 3	FSW3	Netherlands	53.2135N	7.1195E	-149	From 2010-04-29
Finsterwolde 4	FSW4	Netherlands	53.2135N	7.1195E	-224	From 2010-04-29
Finsterwolde 5	FSW5	Netherlands	53.2135N	7.1195E	-299	From 2010-04-29
Fintinele	FTB	Romania	46.6892N	23.0544E	1100	From 1979-01-01
Fiordimonte	FDMO	Italy	43.0365N	13.0873E	550	From 2008-03-27
Firariana	FRR	Madagascar	18.7169S	47.6000E	1555	From 1973-06-01 to 1978-11-16
Fira-Santorini	THR7	Greece	36.4224N	25.4284E	315	From 2010-03-06
Firavahana	FIRM	Madagascar	18.7002S	46.8786E	1748	From 2001-07-22
Firdgum	FDG1	Netherlands	53.2562N	5.5481E	-29	From 2009-10-13
Firdgum	FDG3	Netherlands	53.2562N	5.5481E	-89	From 2009-10-13
Firdgum	FDG4	Netherlands	53.2562N	5.5481E	-119	From 2009-10-13
Firdgum	FDG2	Netherlands	53.2562N	5.5481E	-59	From 2009-10-13
Fire Island	FIB	Alaska,U.S.A.	61.1662N	150.1753W	62	From 1996-01-01
Fire Island	FIS	Alaska,U.S.A.	61.1442N	150.2190W	76	From 1974-09-24 to 1976-05-04
Firenze	FIR	Italy	43.7739N	11.2550E	46	
Firoozkooh	IFIR	Iran	35.6415N	52.7536E	2380	From 1996-01-01
Firsovo	FRSO	Sakhalinskaya Oblast',Russia	47.6500N	142.5670E	5	From 1979-01-01 to 1981-01-01
First Sedna Site,Hudson Bay	SEDN	Nunavut,Canada	63.2502N	91.2081W	121	From 2006-08-24
Fish Creek	FSHM	Victoria,Australia	38.7565S	145.9996E	420	
Fish Creek Ranch, Battle Mountain	O09A	Nevada,U.S.A.	40.1697N	117.1899W	1491	From 2006-04-22 to 2008-03-08
Fish Haven	L16A	Idaho,U.S.A.	42.0149N	111.4319W	2013	From 2007-07-13 to 2009-05-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fish Lake Valley	FLV	Nevada,U.S.A.	37.8139N	117.9104W	1689	
Fishrie	MFI	Scotland,United Kingdom	57.6116N	2.2953W	220	From 1988-01-01
Fish Springs	FSU	Utah,U.S.A.	39.7225N	113.3910W	1487	From 1979-06-01
Fiskardo	FSK	Greece	38.4593N	20.5623E	113	From 2012-03-24
Fitzpatrick Place, Clyde Park	F17A	Montana,U.S.A.	45.9054N	110.6590W	1545	From 2007-10-21 to 2009-09-09
Fitzroy Crossing	FITX	Western Australia,Australia	18.1092S	125.6428E	110	From 1995-03-19 to 1996-09-11
Fitzroy Crossing	FITZ	Western Australia,Australia	18.0982S	125.6401E	117	From 1994-09-01
Fitzroy Falls	FTZM	New South Wales,Australia	34.6421S	150.4838E	711	
Fitzroy Harbor	FHO	Ontario,Canada	45.4550N	76.2170W	72	From 1979-04-01 to 1982-01-11
Fitzsimmons Farm, Good Thunder	I36A	Minnesota,U.S.A.	44.0191N	94.0143W	307	From 2010-09-20 to 2012-09-12
Fiumefreddo	EFIU	Sicily,Italy	37.7896N	15.2103E	97	From 2009-05-26
Fiuminata	FIU1	Italy	43.1886N	12.9316E	465	From 2011-03-14
Five Bridges	MFBM	California,U.S.A.	37.4293N	118.4289W	1348	
Five Rivers Env. Education Center, Delmar	K60A	New York,U.S.A.	42.6168N	73.8886W	79	From 2013-09-13
Fivizzano	TFIV	Italy	44.2360N	10.1210E	329	From 2002-08-01
Fivizzano	FIVI	Italy	44.2393N	10.1273E	380	From 2006-01-01
FJ01	FJ01	Finland	66.0370N	28.3050E	265	
FJ02	FJ02	Finland	65.6600N	27.6510E	215	
FJ03	FJ03	Finland	65.2970N	26.9640E	120	
FJ05	FJ05	Finland	64.6210N	25.7190E	47	
FJ06	FJ06	Finland	64.2760N	25.0890E	103	
FJ07	FJ07	Finland	63.9220N	24.4860E	84	
FJ08	FJ08	Finland	63.5490N	23.9140E	112	
FJ09	FJ09	Finland	63.1990N	23.3240E	87	
FJ11	FJ11	Finland	62.4210N	22.1420E	121	
FJ12	FJ12	Finland	62.1290N	21.6770E	68	
FK04	FK04	Finland	65.0860N	25.8930E	63	
FK05	FK05	Finland	64.8660N	24.9400E	10	
FK06	FK06	Finland	64.4990N	24.3210E	8	
FK07	FK07	Finland	64.1740N	23.7590E	12	
FK08	FK08	Finland	63.7910N	23.1810E	17	
FK09	FK09	Finland	63.4290N	22.6040E	20	
FK10	FK10	Finland	63.0690N	22.1040E	10	
FK11	FK11	Finland	62.6790N	21.6710E	71	
FKAF	FKAF	Finland	62.1110N	26.3090E	195	
Flaach	FLACH	Switzerland	47.5720N	8.5676E	370	From 2003-08-29
Flagg Ranch	FLWY	Wyoming,U.S.A.	44.0827N	110.6993W	2078	
Flagon Creek Properties, Pineville	342A	Louisiana,U.S.A.	31.3747N	92.3249W	37	From 2011-02-23 to 2012-12-02
Flag Point	VFP	Oregon,U.S.A.	45.3181N	121.4650W	1716	From 1980-10-01
Flagstaff	FS-AZ	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	FS-	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	W16A	Arizona,U.S.A.	35.0951N	111.5318W	2192	From 2007-04-27 to 2008-11-21
Flagstaff	FLAG	Arizona,U.S.A.	35.1667N	111.6430W	2115	From 1977-05-01
Flagstaff	FLG	Arizona,U.S.A.	35.2932N	111.7020W	2445	From 1966-11-01 to 1972-09-30
Flamenco Island	FLAM	Panama	8.9130N	79.5370W	79	
Flaming Gorge	FGU	Utah,U.S.A.	40.9264N	109.3860W	1982	From 1960-01-01 to 1976-06-30
Flanigan	O06A	Nevada,U.S.A.	40.1650N	119.8275W	1228	From 2006-02-24 to 2008-03-05
Flash Two Peak	FLSC	California,U.S.A.	34.9704N	117.0391W	990	From 1979-06-01
Flassans-sur-Issole	FLAF	Provence-Cote d'Azur,France	43.3827N	6.2549E	300	From 2012-02-27
Flat	FLA	Utah,U.S.A.	39.4700N	110.4380W	1670	From 1962-01-01 to 1977-03-31
Flatey	IFLA	Iceland	66.1610N	17.8480W	13	From 2000-11-09
Flat Gap	FGTN	Tennessee,U.S.A.	36.4340N	83.1950W	500	From 1991-12-19 to 2008-02-13
Flathead National Forest, Polebridge	A13A	Montana,U.S.A.	48.9330N	114.4135W	1199	From 2006-09-28 to 2009-08-06
Flat River	FRM	Missouri,U.S.A.	37.8358N	90.4864W	161	From 1969-01-01 to 1972-12-31
Flat Rock	FRNY	New York,U.S.A.	44.8350N	73.5883W	223	
Flat Rock, Escanaba	F43A	Michigan,U.S.A.	45.8313N	87.1694W	233	From 2011-09-13 to 2013-06-11
Flat Top 2	FL2	Washington,U.S.A.	46.1964N	122.3500W	1378	
Flavio Alfaro	FLFR	Ecuador	0.3574S	79.8427W	399	From 2008-12-10
Flechtingen	FLTG	Germany	52.3306N	11.2372E	98	From 2008-11-20
Fleetwood	FLT	Alabama,U.S.A.	33.2580N	87.4095W	128	From 1971-01-09
Flemingsburg	SLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemingsburg	FLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Fletcher	FLE	Vermont,U.S.A.	44.7227N	72.9517W		
Fletcher	FLET	Vermont,U.S.A.	44.7227N	72.9517W	366	From 1977-08-08
Fletcher Lake Big Creek, BC	FLLB	British Columbia,Canada	51.7390N	123.1059W	1189	From 2006-08-24 to 2008-06-10
Flin Flon	FFC	Saskatchewan,Canada	54.7250N	101.9780W	338	From 1965-02-22
Flin Flon Array Beam Reference Point	FLAR	Saskatchewan,Canada	54.7188N	101.9950W	229	
Flin Flon Array Site 1	FL01	Saskatchewan,Canada	54.7257N	101.9921W		
Flin Flon Array Site 10	FL10	Saskatchewan,Canada	54.7398N	101.9559W		
Flin Flon Array Site 11	FL11	Saskatchewan,Canada	54.7171N	101.9410W		
Flin Flon Array Site 12	FL12	Saskatchewan,Canada	54.6984N	101.9454W		
Flin Flon Array Site 13	FL13	Saskatchewan,Canada	54.6875N	101.9855W		
Flin Flon Array Site 14	FL14	Saskatchewan,Canada	54.6925N	102.0241W		
Flin Flon Array Site 15	FL15	Saskatchewan,Canada	54.7126N	102.0421W		
Flin Flon Array Site 16	FL16	Saskatchewan,Canada	54.7361N	102.0558W		
Flin Flon Array Site 17	FL17	Saskatchewan,Canada	54.7481N	102.0301W		
Flin Flon Array Site 18	FL18	Saskatchewan,Canada	54.7599N	101.9958W		
Flin Flon Array Site 2	FL02	Saskatchewan,Canada	54.7252N	101.9677W		
Flin Flon Array Site 3	FL03	Saskatchewan,Canada	54.7120N	101.9634W		
Flin Flon Array Site 31	FL31	Saskatchewan,Canada	54.7189N	101.9950W	229	
Flin Flon Array Site 4	FL04	Saskatchewan,Canada	54.7119N	101.9811W		
Flin Flon Array Site 5	FL05	Saskatchewan,Canada	54.7087N	102.0021W		
Flin Flon Array Site 6	FL06	Saskatchewan,Canada	54.7182N	102.0096W		
Flin Flon Array Site 7	FL07	Saskatchewan,Canada	54.7266N	102.0168W		
Flin Flon Array Site 8	FL08	Saskatchewan,Canada	54.7348N	101.9902W		
Flin Flon Array Site 9	FL09	Saskatchewan,Canada	54.7544N	101.9668W		
Flint Hills	HFHM	California,U.S.A.	36.8882N	121.4690W	101	From 1975-12-10
Flippin	FLPT	Tennessee,U.S.A.	36.4094N	89.3206W	131	
Florencia	CFLOR	Colombia	1.5850N	75.6560W	378	
Florencia	FLOC	Colombia	1.5827N	75.6527W	365	From 1994-01-01
Florentin-la-Capelle	FLCF	Midi-Pyrenees	44.6313N	2.6377E	236	From 2015-07-13
Flores Is	FLOR	Azores,Portugal	39.4347N	31.1921W	605	From 1991-09-09
FLORES T-PHASE SITE N1	H07N1	Azores,Portugal	39.6912N	31.1196W	479	From 2005-05-04
FLORES T-PHASE SITE S1	H07S1	Azores,Portugal	39.3786N	31.2061W	478	From 2004-11-30
Florida	FLOM	Guerrero,Mexico	17.2255N	100.3887W	840	
Florina	FLO1	Greece	40.7786N	21.4000E	220	From 2007-04-15
Florina	FNA	Greece	40.7838N	21.3762E	750	From 1989-12-01
Florina	FLO2	Greece	40.7802N	21.4050E	670	From 2011-06-15
Florissant	FLO	Missouri,U.S.A.	38.8017N	90.3700W	160	From 1928-01-01 to 1971-08-31
Floro	FOO	Norway	61.5980N	5.0440E	10	From 1999-06-08
Flostrand	FLOS	Norway	66.3365N	13.3647E	20	From 2005-05-01
Flostrand	STOK2	Norway	66.3400N	13.3600E	20	From 2005-07-01
Flower Mountain	FMTX	Texas,U.S.A.	31.7720N	94.8050W	220	
Flueckinger Farm, Gordon	K27A	Nebraska,U.S.A.	42.7036N	102.2364W	1131	From 2008-11-16 to 2010-10-04
Flymyra	FLYU	Sweden	60.1282N	17.8846E	100	From 2002-01-13
FM Road 95, Garrison	ETX03	Texas,U.S.A.	31.8273N	94.5000W	102	
Fo˘Şa	FOCM	Turkey	38.7130N	26.7308E	34	From 2011-07-24
Focsani	FOC	Romania	45.6950N	27.1833E	61	From 1942-07-12
Fodele	FODE	Crete,Greece	35.3797N	24.9576E	50	
Foel Wylfa	FOEL	Wales,United Kingdom	52.8898N	3.2012W	449	From 2008-10-30
Fofonovo	FFNB	Buryatiya,Russia	52.0470N	106.7640E	564	From 1999-08-01
Foggia	FGG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FG1	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FOG	Italy	41.4500N	15.5514E		From 1977-11-01
Fogo--Pe de Pico	FPPC	Cape Verde Islands	14.9603N	24.3658W	1680	
Foia	PFFO	Portugal	37.3163N	8.5860W	799	From 1996-01-01 to 2009-05-30
Foira Santorini	SFIR	Greece	36.4224N	25.4284E	310	From 2012-01-30
Foligno	UFLG	Italy	42.9639N	12.7282E	324	From 2004-12-12
Foligno	FOL	Italy	42.9567N	12.7067E		
Folkestone	TFO1	England,United Kingdom	51.1135N	1.1409E	202	From 1989-01-01
Fond-Bernard	FNG	Guadeloupe,France	16.0603N	61.6867W	825	
Fontana	FON	California,U.S.A.	34.0996N	117.4387W	449	
Fontanafredda	FFNT	Italy	45.9791N	12.5863E	40	From 2002-01-30
Fontana Vidola	FNVD	Italy	44.1678N	11.1229E	950	From 2003-10-22
Fonte Corniale	FCOR	Italy	43.7692N	12.8146E	540	From 2014-01-09
Fontenelle, Green River	L18A	Wyoming,U.S.A.	41.9243N	110.0364W	2051	From 2007-11-03 to 2009-10-17
Fontinhas	FOT	Azores,Portugal	38.7411N	27.3361W		
Fontmartina	CFON	Spain	41.7623N	2.4356E	972	
Fontmartina	FONT	Spain	41.7622N	2.4338E	963	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Font Roja	AFON	Spain	38.6649N	0.5412W	1120	From 2008-12-23
Fool Peak	FLU	Utah,U.S.A.	39.3782N	112.1710W	1950	
Foothills Park , Santa Clara County	JFP	California,U.S.A.	37.3604N	122.1899W	291	From 2003-06-06
Forcatura	UFCT	Italy	43.0280N	12.8630E	851	From 2012-02-01
Forcella Aurine	FAU	Italy	46.2300N	11.9800E	1430	
Fordham	FOR	New York,U.S.A.	40.8631N	73.8856W	24	From 1910-01-01
Ford Ranch, Anza	FRD	California,U.S.A.	33.4948N	116.6022W	1000	From 2012-06-20 to 2012-12-12
Ford Ridge	FDU	Utah,U.S.A.	39.7568N	110.9900W	2975	From 1978-03-01 to 2004-03-05
Forest Bistro	DFBT	Dominica	15.2401N	61.3559W	83	
Forest City	W43A	Arkansas,U.S.A.	35.0877N	90.7061W	70	From 2011-07-30 to 2013-02-14
Forest Hill	FWV	West Virginia,U.S.A.	37.5817N	80.8117W	756	
Forest Hills Divide	AFDM	California,U.S.A.	38.9480N	120.9720W	549	From 1983-05-16
Forest Hill Site	AFHM	California,U.S.A.	39.0418N	120.7910W	1064	From 1976-07-20
Forest Lakes	X17A	Arizona,U.S.A.	34.3371N	110.8058W	2280	From 2007-04-13 to 2009-02-20
Forestry Corps, Argostoli (Cefalonia, Greece)	KEFOR	Greece	38.1623N	20.5068E	53	From 2014-02-05 to 2014-05-20
Forgia Vecchia	VL6*	Sicily,Italy	38.4089N	14.9611E		From 1966-04-01 to 1966-05-01
Formoso do Araguaia, TO, Brazil	RET2	Tocantins,Brazil	11.6983S	49.5342W	193	From 2008-07-18 to 2012-06-08
Forni Avoltri	FOA	Italy	46.5867N	12.7750E	880	From 1982-06-06 to 1988-01-01
Forni Avoltri	FVI	Italy	46.5966N	12.7804E	1024	
Forrest	FORT	Western Australia,Australia	30.7790S	128.0590E	165	From 1992-05-19
Forrest	FRTM	Victoria,Australia	38.5337S	143.7160E	230	
Forrest	FORR	Western Australia,Australia	30.8500S	128.1000E		From 1988-01-01 to 1992-05-17
Forrest Kerr	FKBC	British Columbia,Canada	56.7847N	130.6180W	1175	From 1989-10-10
Forsmark	FORU	Sweden	60.3870N	18.1801E	10	From 2005-05-12
Forsnaval	RFO	Scotland,United Kingdom	58.2133N	7.0052W	197	From 1995-09-10
Forsyth	FR-	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsyth	FR-MA	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsythe	AN2*	California,U.S.A.	36.7875N	121.4470W	41	From 1967-09-25 to 1971-04-27
Fortaleza - CE	FOR1	Ceara,Brazil	3.7785S	38.7681W	470	From 2002-09-30
Fort Charlotte	FCV	St Vincent,Saint Vincent and the Grenadines	13.1570N	61.2450W	194	
Fort Churchill	FCC	Manitoba,Canada	58.7617N	94.0867W	39	
Fort de France	FDF	Martinique,France	14.7333N	61.1503W	510	
Fort de Pagny la Blanche Cˆ·te (52)	PAGF	France,France	48.5551N	5.7251E	384	From 2008-11-05
fort du Flaut	FLAUT	Provence-Cote d'Azur	44.0037N	7.3298E	840	From 2013-08-27
Fort Gibson	GBO	Oklahoma,U.S.A.	35.8526N	95.1843W	302	From 1979-07-19 to 1984-12-30
FORTIN DE LA CUMBRE	FDCV	Venezuela	10.5407N	66.9537W	1472	From 2003-09-08
Fort Lent	NE42	Netherlands	51.8630N	5.8510E		
Fort MacArthur	FMA	California,U.S.A.	33.7125N	118.2850W	15	
Fort Macarthur Park, San Pedro	FMP	California,U.S.A.	33.7126N	118.2938W	89	From 2000-08-30
Fort Manro	FTMN	Punjab,India	29.9000N	70.0000E	1909	From 2010-10-15
Fort McLeod	FT-BC	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort McLeod	FT-	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort Nelson	FL-BC	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FNBC	British Columbia,Canada	58.8418N	122.5737W	380	From 1998-02-09 to 2006-03-28
Fort Nelson	FNBB	British Columbia,Canada	58.8904N	123.0097W	618	
Fort Nelson	FL-	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Paine	FPAL	Alabama,U.S.A.	34.5403N	85.6113W	556	
Fort Payne	X50A	Alabama,U.S.A.	34.4596N	85.6486W	489	From 2011-12-16 to 2012-04-04
Fort Payne	X50B	Alabama,U.S.A.	34.4611N	85.6499W	494	From 2011-12-16
Fort Rock	J05A	Oregon,U.S.A.	43.2843N	121.2357W	1540	From 2006-07-17 to 2007-11-02
Fort Rock, OR	J05D	Oregon,U.S.A.	43.2848N	121.2347W	1541	From 2009-10-16
Fort Ross	FTR	California,U.S.A.	38.5227N	123.1610W	528	From 1975-01-22
Fort Saint-Gobain, Modane	OGMO	Rhone-Alpes,France	45.2084N	6.6850E	1080	From 1996-10-07
Fort Saint James	FSB	British Columbia,Canada	54.4767N	124.3280W	747	
Fort Saint James	FSJ	British Columbia,Canada	54.4633N	124.2800W	772	From 1965-05-12 to 1979-04-17
Fort Scott	S37A	Kansas,U.S.A.	37.7597N	94.8279W	260	From 2010-06-21 to 2012-03-03
Fort Shafter	SFTX	Texas,U.S.A.	29.9255N	104.3696W	1384	
Fort Sherman	FH-	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Sherman	FH-PM	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Simpson	FST	Northwest Territories,Canada	61.8400N	121.2750W	175	From 1986-01-09
Fort Simpson	FST1	Northwest Territories,Canada	61.7858N	121.2590W	175	From 1985-10-06 to 1986-01-09
Fort Smith	FSMA	Alberta,Canada	59.9862N	111.8218W	187	From 2010-09-12
Fort Stockton	FO-	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Stockton	FO-TX	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Tejon	FTC	California,U.S.A.	34.8708N	118.8918W	942	From 1952-11-21
Fortuna	FORC	Costa Rica	10.4665N	84.6698W	286	
Fortuna	FTA	Panama	8.6815N	82.2647W	629	
Fortuna Mine	FTM	Arizona,U.S.A.	32.5548N	114.3340W	263	From 1975-07-01 to 2009-04-08
Fort Valley	153A	Georgia,U.S.A.	32.6499N	83.8316W	160	From 2012-03-19
Fort Yukon	FY2	Alaska,U.S.A.	67.1245N	147.0970W	671	From 1975-09-01
Fort Yukon	FYU	Alaska,U.S.A.	66.5660N	145.2320W	137	From 1972-02-09
Fort Yukon	FY3	Alaska,U.S.A.	68.1472N	145.7000W	1439	From 1975-09-01 to 1978-08-14
Fort Yukon	FY1	Alaska,U.S.A.	67.2667N	148.9700W	939	From 1975-09-01
Fort Yukon	FY5	Alaska,U.S.A.	67.1400N	143.2500W	558	From 1975-09-01
Fort Yukon	FY4	Alaska,U.S.A.	67.4533N	146.2100W	792	From 1975-09-01 to 1978-08-14
Fosdinovo	FOSD	Italy	44.1076N	9.9971E	60	From 2013-06-23 to 2013-09-06
Fosdinovo	FSI	Italy	44.1261N	10.0253E	0	From 1977-01-01 to 1979-12-31
Fosdinovo	FS1	Italy	44.1267N	10.0250E		
Fossato di Vico	FOSV	Italy	43.2948N	12.7612E	559	From 2011-10-01
Fossombrone	FSSB	Italy	43.6922N	12.7775E	498	
Fouillouse	FOUF	Provence-Cote d'Azur,France	44.5292N	6.7819E		From 1983-01-01
Foulwind	FLW	South Island,New Zealand	41.7522S	171.5000E	20	From 1968-05-24 to 1968-07-02
Foumbot	FBT	Cameroon	5.4690N	10.5710E	1040	From 1987-02-17
Fountain	I45A	Michigan,U.S.A.	44.0361N	86.2348W	215	From 2012-11-05
Fountain Green	P16A	Utah,U.S.A.	39.6092N	111.6595W	1822	From 2007-05-28 to 2009-04-11
Fountain Ranch, Boone	R25A	Colorado,U.S.A.	38.1474N	104.2834W	1461	From 2008-06-04 to 2010-04-21
Fountain Ranch, Mena	X39A	Arkansas,U.S.A.	34.5105N	94.1138W	326	From 2011-01-29 to 2012-11-07
Fourare	FOE	Morocco	31.9880N	9.2610W		
Four Mile Canyon	FMC	Oregon,U.S.A.	45.6244N	120.0280W	305	From 1975-11-01
Fournols	FRNF	Limousin,France	45.3867N	2.5627E	670	
Fourpeaked Station 1	FOSS	Alaska,U.S.A.	58.7994N	153.6950W	546	
Fourpeaked Station 2	FONW	Alaska,U.S.A.	58.8348N	153.9184W	905	
Fourpeaked Volcano	FOPK	Alaska,U.S.A.	58.7580N	153.4739W	546	
Four Points	FPST	Tennessee,U.S.A.	35.9780N	89.4547W	106	
Four Seasons	FS03	Queensland,Australia	25.1068S	151.8667E	180	From 2001-02-16
Fox Airport	FOXC	California,U.S.A.	34.7443N	118.2326W	683	From 1981-03-01
Fox Creek	FXWY	Wyoming,U.S.A.	43.6381N	111.0268W	2254	
Fox Creek	FOX	California,U.S.A.	40.5212N	123.9920W	113	From 1974-06-19
Fox Den Farm, The Plains	Q58A	Virginia,U.S.A.	38.9413N	77.6820W	182	From 2013-06-21
Fox Glacier	FOZ	South Island,New Zealand	43.5321S	169.8155E	54	From 2004-10-13
Foz do Areia	FDA4	Parana,Brazil	26.1670S	51.7700W	0	
Foz do Areia	FDA5	Parana,Brazil	26.1498S	51.4552W	1000	From 1981-01-01
Foz do Areia	FDA	Parana,Brazil	25.9869S	51.5153W		From 1979-01-01
FP03	FP03	Karel'skaya,Russia	62.9310N	32.5330E	175	
FP05	FP05	Karel'skaya,Russia	62.2930N	32.1070E	160	
FR05	FR05	Karel'skaya,Russia	62.0040N	32.6750E	150	
Francis Marion National Forest	FMF	South Carolina,U.S.A.	32.9540N	79.8410W		From 1973-02-28 to 1973-10-02
Francis Peak	FPU	Utah,U.S.A.	41.0264N	111.8370W	2816	From 1974-09-01
Franconia Notch	FNN	New Hampshire,U.S.A.	44.1600N	71.6817W	1060	From 1967-01-01 to 1975-12-31
Frandzen Federal Estate	FNF	California,U.S.A.	38.7707N	122.7657W	870	
Frank Field Bay, Greenland	FFBG	Greenland	82.1294N	56.0364W	20	From 2004-07-27
Frankford	I55A	Ontario,Canada	44.2161N	77.6817W	132	From 2012-11-15
Franklin	FN-WV	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	Z51A	Georgia,U.S.A.	33.3167N	85.1747W	249	From 2012-04-07
Franklin	FKO	Oklahoma,U.S.A.	35.2613N	97.3861W	351	From 1987-01-01
Franklin	FN-	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	FNO	Oklahoma,U.S.A.	35.2571N	97.4006W	357	From 1992-04-28
Franklin Camp	FCBC	British Columbia,Canada	48.9742N	124.7358W	255	From 2006-12-19 to 2007-02-15
Franklin College	FMPA	Pennsylvania,U.S.A.	40.0478N	76.3208W	121	
Franklin Falls Dam	FFD	New Hampshire,U.S.A.	43.4701N	71.6533W	131	
Frank Revetta Observatory, Potsdam, NY	PTNY	New York	44.5578N	74.9509W	275	From 2015-07-16
Frank Sound, Grand Cayman	FSCY	Cayman Islands	19.3129N	81.1835W	1	From 2011-01-01
Franktown	FK-	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Franktown	FK-CO	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Fraticciola Selvatica (Perugia) - PG	AT08	Italy	43.1834N	12.5482E	608	From 2010-04-01
Fray Jorge	CO06	Coquimbo	30.6738S	71.6350W	239	From 2015-05-14
Frazione Salia	C004	Italy	43.4481N	12.5161E	814	From 2011-02-09
Frdhf. Weidikon, ZR	EWZT1	Switzerland	47.3728N	8.5087E	410	From 2009-08-25
Frederick Butte	VFBM	Oregon,U.S.A.	43.6585N	120.2370W	1369	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fred Haigh	FRED	Queensland,Australia	24.8985S	151.8970E	120	
Freedom	FDKY	Kentucky,U.S.A.	36.7900N	85.7942W	306	From 1987-03-27
Freed Ranch, Watford	C25A	North Dakota,U.S.A.	47.7124N	103.2558W	700	From 2009-07-25 to 2011-08-24
Fregona	FRE8	Italy	46.0150N	12.3552E	543	From 2011-03-31
Freiberg	FBE	Sachsen,Germany	50.9212N	13.3541E	44	From 2004-10-01
Freiburg im Breisgau	FBB	Baden-Wurttemberg,Germany	48.0016N	7.8532E	258	From 1994-01-01
Fremont	M50A	Ohio,U.S.A.	41.4035N	83.0428W	176	From 2012-07-18
Fremont Peak	HFPM	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Fremont Peak	FRP	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Frenchman Hills East	FHE	Washington,U.S.A.	46.9519N	119.4969W	455	
French Village	FVM	Missouri,U.S.A.	37.9840N	90.4260W	310	From 1972-09-01
Frenkendorf	SFRA	Switzerland	47.5036N	7.7091E	350	From 2007-12-31
Fresagrandinaria	FRES	Italy	41.9735N	14.6693E	414	From 2004-09-14
Fresno	FRE	California,U.S.A.	36.7683N	119.7970W	88	From 1935-11-28 to 1971-03-02
FREYUNG INFRASONIC ARRAY REFERENCE POINT	I26DE	Bayern,Germany	48.8516N	13.7131E	1111	From 2000-05-16
Friant	FRI	California,U.S.A.	36.9917N	119.7080W	119	From 1971-01-01
Friburgo-RJ	DUB01	Rio de Janeiro,Brazil	22.0810S	42.3742W	623	From 2011-01-30
Frijoles Canyon	FCN	New Mexico,U.S.A.	35.7719N	106.2500W	1945	From 1973-05-07 to 1973-07-31
Frink	FRK	California,U.S.A.	33.4021N	115.6384W	60	
Frissel Point	FRIS	Oregon,U.S.A.	44.2122N	122.1005W	1642	
Frobisher Bay	FRB	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-11-30
Frobisher Bay	FBN	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-09-14
Frobisher Bay	FBC	Northwest Territories,Canada	63.7333N	68.4667W	45	
Froelich Ranch	FROB	California,U.S.A.	35.9109N	120.4869W	231	
Frontone	FRON	Italy	43.5178N	12.7257E	515	From 2010-04-19
Front Royal	FTV	Virginia,U.S.A.	38.8661N	78.1689W	341	
Frosini	FROS	Italy	43.2097N	11.1562E	431	From 2010-05-17
Froya	FRO	Norway	61.7570N	4.8820E	20	
Fruitdale	H25A	South Dakota,U.S.A.	44.6215N	103.5981W	942	From 2009-06-19 to 2011-08-23
Fruska Gora	FGSL	Serbia	45.1571N	19.8104E	500	From 2006-01-01
Fruska Gora	FRGS	Serbia	45.1577N	19.8102E	500	From 2005-12-15
Fry Pan Ranch, Harper	J09A	Oregon,U.S.A.	43.3471N	117.7542W	1303	From 2006-08-07 to 2008-07-11
Fube	FUB	Shimane,Japan	35.2838N	133.1560E	190	From 1968-12-15 to 1975-05-01
Fuego	FGO	Guatemala	14.4457N	90.8405W	1410	From 1973-02-01
Fuego 2	FGO2	Guatemala	14.4387N	90.8358W	1335	From 1986-07-01
Fuego 3	FUG	Guatemala	14.4478N	90.8420W	1505	From 1987-03-01
Fuente Hervidero	AFUE	Spain	37.1133N	3.5068W	1586	
Fuerteventura	CFTV	Canary Islands,Spain	28.4138N	14.0833W	540	From 1985-12-01
Fuerteventura	CFUE	Canary Islands,Spain	28.6468N	13.9359W	180	From 2004-11-17
Fuhringer Ranch, Dutton	C16A	Montana,U.S.A.	47.8012N	111.7458W	1240	From 2007-09-02 to 2009-08-12
Fuji-kawa	FUJ	Yamanashi,Japan	35.2312N	138.4715E	140	
Fujikirizawa	K11	Iwate,Japan	39.4783N	141.5325E	527	
Fujinakano	JFNN	Shizuoka,Japan	35.1940N	138.6852E	167	From 2012-11-01
Fukue	FKJ	Nagasaki,Japan	32.6933N	128.8267E	26	
Fukue jima 2	JFU	Nagasaki,Japan	32.6555N	128.7495E	120	
Fukui	FKJD	Fukui,Japan	36.0941N	136.1233E	90	
Fukui	FUK	Fukui,Japan	36.0533N	136.2270E	10	
Fukuoka	FKK	Fukuoka,Japan	33.5800N	130.3800E	3	
Fukushima	FKS	Fukushima,Japan	37.7567N	140.4750E	69	
Fukushimafurudono	JFFD	Fukushima,Japan	37.0908N	140.5612E	354	From 2012-07-01
Fulgham	FMKY	Kentucky,U.S.A.	36.6640N	88.9090W	152	From 1986-10-30
Fuli	FULB	Taiwan region	23.1986N	121.2939E	376	From 2003-12-12
Fuller Ranch	FRTX	Texas,U.S.A.	32.9388N	100.8480W	689	From 1979-01-01 to 2003-01-28
Fullerton	FULC	California,U.S.A.	33.8717N	117.9225W	51	
Fullerton Airport	FLAS	California,U.S.A.	33.8713N	117.9750W	-400	From 1986-09-12
Fulton Ridge, Patton	S43A	Missouri,U.S.A.	37.5716N	90.0754W	263	From 2011-05-21 to 2013-04-14
Fumarole	FUM	California,U.S.A.	38.7932N	122.7879W	673	
Funafuti	FUNA	Tuvalu (Ellice Islands)	8.5259S	179.1966E	-1	
Funaoka	FOTD	Tottori,Japan	35.3305N	134.2672E	200	
Funatsu	FUN	Yamanashi,Japan	35.4983N	138.7630E	860	
Funchal	FUL	Madeira Islands,Portugal	32.6476N	16.8922W	58	From 1973-12-07
Funeral Mountains	FMT	California,U.S.A.	36.6375N	116.7826W	1079	From 1978-11-28
Funks Creek	GFC	California,U.S.A.	39.3266N	122.2889W	64	
FUNVISIS	FUNV	Venezuela	10.4690N	66.8100W	918	From 2000-08-09
Fuquene	FUQ	Colombia	5.4700N	73.7381W	2580	From 1957-12-01
Furan	JFR	Kamikawa,Japan	43.1635N	142.5935E	360	
Furi	FURI	Ethiopia	8.8967N	38.6783E	2560	
Furnace Creek,Death Valley	FURC	California,U.S.A.	36.4670N	116.8632W	-37	From 1996-11-19
Furnas	FRA	Azores,Portugal	37.7593N	25.3533W	557	From 1981-01-01
Furnas	FRA1	Azores,Portugal	37.7430N	25.3568W	555	From 2004-03-01
Furstenfeldbruck	FUR	Bayern,Germany	48.1655N	11.2763E	565	From 1996-11-19
Furth	WBA	Hessen,Germany	49.6544N	8.8183E	483	From 2001-10-25
Furtwangen	FWS	Baden-Wurttemberg,Germany	48.0530N	8.1976E	925	From 1969-03-01
Furusato	FURD	Kagoshima,Japan	31.5608N	130.6614E	360	
Fuscaldo	FSC	Italy	39.4189N	16.0425E	54	
Fusea	FUSE	Italy	46.4142N	13.0011E	520	From 2007-12-13
Fushiki	HKI	Toyama,Japan	36.7833N	137.0500E		
Fushou	FUSS	Taiwan region	24.2476N	121.2438E	2047	From 2014-07-28
Fush Village	ETL	Taiwan region	24.1590N	121.6230E	415	From 1998-08-07
Fusio	FUSIO	Switzerland	46.4549N	8.6632E	1480	From 1999-08-16
Futaleuf""	LL02	Los Lagos	43.1906S	71.8484W	368	From 2014-09-12
Futaleufu@15	FUTA	Chile	43.1886S	71.8525W	354	
Futatsui	FUT	Akita,Japan	40.1467N	140.2167E	140	From 1967-12-29
Futbol	FUTB	Turkey	40.8649N	28.9934E	32	From 2006-09-26
FVAF	FVAF	Finland	63.0420N	22.6180E	55	
Fytoko, Volos	FYTO	Greece	39.4086N	22.9396E	192	From 2008-07-01
G1948 Merrick Township	E51A	Ontario,Canada	46.5333N	79.4924W	369	From 2012-10-21
G1974 Best Township, ON	D50A	Ontario,Canada	47.1668N	79.8412W	331	From 2012-10-19
Gabala	QBL	Azerbaijan	40.9460N	47.8370E	670	From 2011-04-22
Gabal Elzet	ZEIT	Egypt	27.8698N	33.5388E	232	
Gabbs	Q08A	Nevada,U.S.A.	38.8606N	117.9316W	1411	From 2006-03-02 to 2008-03-14
Gabbs	GAB	Nevada,U.S.A.	38.9752N	117.9130W		
Gabel Atot	ATOT	Egypt	28.1698N	33.8603E		
Gable Butte	GBB	Washington,U.S.A.	46.6082N	119.6270W	177	
Gable Mountain	GBL	Washington,U.S.A.	46.5983N	119.4600W	330	From 1969-03-01
Gabriel Gonzalez Videla	GGV	Antarctic Peninsula	64.8199S	62.8633W		
Gabriels	H58A	New York,U.S.A.	44.4176N	74.1798W	537	From 2013-08-25
Gafsa	GAF	Tunisia	34.4167N	8.8000E	314	From 1976-01-01
Gafsa	GFA	Tunisia	34.3382N	9.7265E	250	
Gaggia	GAGG	Italy	46.0835N	10.9587E	1617	From 2012-11-19
Gagliano Castelferrato	GALF	Italy	37.7107N	14.5665E	740	From 2006-10-27
Gagliole	GAG1	Italy	43.2381N	13.0674E	460	From 2011-03-15
Gaibana	GBAN	Nepal	28.6800N	81.6140E	2120	
Gaighat	GAIG	Nepal	26.8380N	86.6318E	166	From 2001-10-14 to 2002-06-03
Gainesville	GAI	Florida,U.S.A.	29.6458N	82.3394W	50	
Gaiserwald	SGT01	Switzerland	47.4316N	9.3185E	813	From 2012-01-15
Gala	GALA	Azerbaijan	40.4100N	50.1550E	22	From 2003-08-01
Gala Law	EGL1	Scotland,United Kingdom	55.8611N	2.7425W	245	
Gala Law	EGL	Scotland,United Kingdom	55.8617N	2.7383W	245	From 1969-01-01 to 1981-11-27
Galapagos Islands	GIE	Galapagos,Ecuador	0.7333S	90.3000W	30	From 1960-01-01
Galati	GISR	Romania	45.4411N	28.0541E	67	From 2013-04-17
Galatos Road	GRRZ	North Island,New Zealand	38.3497S	176.1099E	522	From 2009-11-12
Galela, Maluku	GAMI	Moluccas,Indonesia	1.8381N	127.7879E	130	From 2008-12-01
Galena City School	GCSA	Alaska,U.S.A.	64.7461N	156.8792W	46	
Galera	GALE	Ecuador	0.8213N	80.0133W	25	From 1991-11-03 to 1992-04-28
Galerazamba	GAL	Colombia	10.7856N	75.2622W	21	From 1949-04-01
Gales Ferry	M63A	Connecticut,U.S.A.	41.4038N	72.0464W	44	From 2013-09-07
Galeton	GT-PA	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galeton	GT-	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galiano Island	GOBB	British Columbia,Canada	48.9493N	123.5105W	161	
Galiano Island	GOB	British Columbia,Canada	49.0122N	123.5830W	10	
Galich'ya Gora	LPSR	Voronezhskaya Oblast',Russia	52.6012N	38.9282E	136	From 2007-08-05
Galileo	GALC	California,U.S.A.	35.2137N	117.7547W	980	
Galion	GZ-OH	Ohio,U.S.A.	40.6600N	82.7833W	372	
Gallatin	GLT	Tennessee,U.S.A.	36.3620N	86.4980W	159	From 1981-11-10
Galloway	GAL1	Scotland,United Kingdom	54.8664N	4.7114W	117	From 1989-01-01
Galoa	NGA	Fiji	18.1919S	177.9979E	396	From 1979-10-01
Galt	O38A	Missouri,U.S.A.	40.1215N	93.4731W	266	From 2010-11-18 to 2012-09-27
Galvasay	GAY	Uzbekistan	41.5333N	69.9000E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gambarie	GMB	Italy	38.1681N	15.8289E	1300	
Gambatesa	GATE	Italy	41.5131N	14.9102E	487	From 2009-11-03
Gambell	GAMB	Alaska,U.S.A.	63.7767N	171.7008W	10	
Gameti Lake	GALN	Yukon Territory,Canada	64.1167N	117.3143W	340	
Ganado	V18A	Arizona,U.S.A.	35.7113N	109.9327W	1977	From 2007-05-11 to 2009-02-07
Ganagobie	GANF	Provence-Cote d'Azur,France	43.9976N	5.9087E	650	
Ganaly	GNL	Kamchatskaya Oblast',Russia	53.6950N	157.9419E	1200	
Gandia	EXGA	Spain	38.9660N	0.1780W	40	From 2003-09-24
Gandoh	GANDO	Jammu and Kashmir	33.0328N	75.9133E	1591	
Gangavaram	GGR	India	17.8240N	80.2010E	532	
Ganghwa	KSGAH	Republic of Korea	37.7076N	126.4465E	62	From 2009-01-01
Gangneung	KSKAN	Republic of Korea	37.7425N	128.8893E	25	From 2001-12-15
Gangseo	KSGSG	Republic of Korea	37.5485N	126.8446E	67	From 2007-12-12
Ganja	KRV	Azerbaijan	40.6280N	46.3100E	532	From 1950-01-01
Ganja	GANJ	Azerbaijan	40.6460N	46.3220E	574	From 2003-01-01
Ganjari	GJRN	Nepal	29.4800N	80.7400E	2934	
Ganki	GNK	Aomori,Japan	40.7322N	140.3366E	100	
Ganzirri	GZI	Sicily,Italy	38.2647N	15.6086E		
Gaotai	GTA	Gansu,China	39.4106N	99.8144E	1341	
Garchy	GRC	Bourgogne,France	47.2956N	3.0736E	191	From 1957-11-22
Gardenia Lake, NWT	GDLN	Northwest Territories,Canada	62.0199N	105.9943W	385	From 2008-07-16
Garden Prairie	L43A	Illinois,U.S.A.	42.1833N	88.7423W	266	From 2011-09-17 to 2013-06-14
Gard house	GARD	Turkey	40.8660N	28.9938E	7	From 2006-09-26
Gardner Draw, Artesia	125A	New Mexico,U.S.A.	32.6588N	104.6573W	1212	From 2008-03-13 to 2010-02-18
Gardner Farm	GRD	Utah,U.S.A.	40.5983N	111.9258W	1323	
Gardner Place, Afton	K17A	Wyoming,U.S.A.	42.7507N	110.9201W	1922	From 2007-11-03 to 2009-05-16
Gareloi East	GAEA	Alaska,U.S.A.	51.7830N	178.7468W	326	
Gareloi-Kavalga I.	GAKI	Alaska,U.S.A.	51.5544N	178.8121W	99	
Gareloi Lava Pt.	GALAA	Alaska,U.S.A.	51.7618N	178.7715W	315	
Gareloi North	GANO	Alaska,U.S.A.	51.8203N	178.8038W	451	
Gareloi Northeast	GANE	Alaska,U.S.A.	51.8189N	178.7767W	322	
Gareloi Southwest	GASW	Alaska,U.S.A.	51.7789N	178.8546W	248	
Gariep Dam	HVD	South Africa,South Africa	30.6050S	25.4967E	1433	
Garland	GL-	Texas,U.S.A.	32.9722N	96.6350W	168	
Garland	GL-TX	Texas,U.S.A.	32.9722N	96.6350W	168	
Garm	GAR	Tajikistan	39.0000N	70.3167E	1305	From 2005-10-22
Garm	GAM	Tajikistan	39.0000N	70.3167E	1305	
Garmisch-Partenkirchen	PART	Bayern,Germany	47.4970N	11.1130E	760	From 2003-01-01
Garmisch-Partenkirchen	GAP	Bayern,Germany	47.4767N	11.0644E	725	From 1973-06-01 to 2004-08-13
Garmisch-Partenkirchen	GAPA	Bayern,Germany	47.4970N	11.1170E	760	From 1991-01-01
Garner Mountain	LGMM	California,U.S.A.	41.5997N	121.8350W	1560	From 1988-10-23
Garner Valley	GVDA	California,U.S.A.	33.6689N	116.6738W	1341	
Garnes Mountain	GMI	Idaho,U.S.A.	43.7065N	111.3430W	2630	From 1974-06-01 to 1980-07-24
Garnett, Star City	Y42A	Arkansas,U.S.A.	33.8364N	91.7871W	77	From 2011-04-08 to 2013-02-16
Garni	GNI	Armenia	40.1495N	44.7414E	1583	From 1992-01-01
Garraf	CGAR	Spain	41.2944N	1.1339E	584	
Garret Mountain	GMTN	New Jersey,U.S.A.	40.8825N	74.1845W	165	From 1978-04-25
Garrett	L23A	Wyoming,U.S.A.	42.1143N	105.7012W	2153	From 2008-07-17 to 2010-05-14
Garrison	GARN	New York,U.S.A.	41.3603N	73.9240W	207	
Garrison Hill	GHW	Washington,U.S.A.	47.0417N	122.2720W	268	From 1975-09-24
Garrygala	GARG	Turkmenistan	38.4390N	56.2730E	315	
Garurganga	GARI	Uttar Pradesh,India	30.4525N	79.4445E	1500	From 1986-07-26
Garvey Reservoir	GVRC	California,U.S.A.	34.0497N	118.1199W	141	From 1987-10-08
Gary	239A	Texas,U.S.A.	32.0179N	94.4707W	100	From 2010-02-21 to 2011-12-11
Gary Mavity, Velonia	W41B	Arkansas,U.S.A.	35.1736N	92.2479W	95	From 2011-04-07
Garzon, Huila	GARC	Colombia	2.1870N	75.4930W	1999	From 2014-02-27
Gasbuggy	GB-NM	New Mexico,U.S.A.	36.6869N	107.2261W	2164	
Gaspe, Quebec	GASG	Quebec,Canada	48.9463N	66.1161W	261	From 2005-10-25
Gateway	GACO	Colorado,U.S.A.	38.6844N	108.9737W	1414	
Gaunt Creek Borehole	GCSZ	South Island,New Zealand	43.3160S	170.3267E	129	From 2012-04-01
Gauribidanur Array	GBA	Karnataka,India	13.6042N	77.4361E	686	From 1965-01-01
Gaurikund	GKD	Himachal Pradesh,India	30.6213N	79.0029E	1760	From 2007-05-01
Gavdhos	GVD	Crete,Greece	34.8391N	24.0874E	180	
Gavdhos	GAVD	Crete,Greece	34.8432N	24.0862E	175	
Gavdos	GVDS	Crete,Greece	34.8435N	24.0902E	164	From 2007-05-01
Gavelli	GAVE	Italy	42.6922N	12.8942E	1161	From 2006-09-26
Gavello, Mirandola (MO)	MIR04	Italy	44.9275N	11.1783E	8	From 2012-05-24
Gavieira, Arcos de Valdevez	PGAV	Portugal	41.9653N	8.2698W	1084	From 2008-10-27
Gavin Park	CGPM	California,U.S.A.	37.6453N	122.0100W	366	
Gaylord	GY-MN	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaylord	GY-	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaynekanda	GNKN	Nepal	28.6330N	81.3310E	1334	
Gaziantep	GAZ	Turkey	37.1721N	37.2113E	864	From 1989-07-01
Gaziantep	SOFT	Turkey	37.1278N	37.3458E	1209	From 1998-02-11 to 2002-08-07
Gaziantep	GZTT	Turkey	37.0361N	37.3125E	850	From 1992-01-01
Gaziantep	GZT	Turkey	37.3553N	37.5641E	1446	From 2002-03-01
Gazikoy-Tekirdag	GZKV	Turkey	40.7478N	27.3274E	30	From 2014-10-25
Gazipasa	GAZI	Turkey	36.2347N	32.3157E	394	From 2008-03-06
Gaz Metro	LNGQ	Quebec,Canada	45.6564N	73.5284W	25	From 1988-01-01
Gazzo Veronese (Italy)	GAZZ	Italy	45.1134N	11.0950E	12	From 2009-12-04
Gebbies Pass	GPZ	South Island,New Zealand	43.6946S	172.6446E	225	From 1956-11-20 to 1977-10-31
Gebel Alisa	AGAL	Egypt	23.4285N	32.8255E		
Gebel Marawa	AGMR	Egypt	23.5377N	32.5405E	237	
Gebel Rewraw	AGRW	Egypt	23.6450N	32.8097E		
Gebze	GEB	Turkey	40.8186N	29.4222E	240	From 1979-12-01 to 1999-08-25
Gebze	GBZT	Turkey	40.7889N	29.4450E	184	
Gebze-Kocaeli	LAFA	Turkey	40.7598N	29.3555E	38	From 2011-01-01
GEDABAY	GDB	Azerbaijan	40.7210N	45.7540E	1643	From 2010-12-22
Geddes	J31A	South Dakota,U.S.A.	43.2915N	98.7396W	491	From 2010-07-31 to 2012-05-18
Gedeh	GED	Jawa,Indonesia	7.8333S	113.8330E		
Gedikpinar	GEDT	Turkey	39.9737N	29.7232E	700	From 1994-01-01
Gediz	GDZ	Turkey	39.0888N	29.4811E	1367	From 2005-01-17
Gediz	GEDZ	Turkey	39.0444N	29.4104E	883	From 2010-10-21
Geehi	GEE	New South Wales,Australia	36.4197S	148.1830E	480	From 1958-01-01 to 1968-12-31
Gees Lookout	GEES	Tasmania,Australia	41.4453S	147.1236E	70	From 1995-04-07
Gegechkori	GEG	Georgia,Georgia	42.3500N	42.3833E	180	From 1957-01-01
Geita	GEIT	Tanzania,United Republic of Tanzania	2.8815S	32.2168E	1276	
Gelendzhik	GL1R	Russia	44.5490N	38.0700E	0	
Gemlik	GEMT	Turkey	40.4350N	29.1890E	220	From 2006-07-07
Gemona	GEPF	Italy	46.2750N	13.1386E	12	From 2008-07-17
Gemona	GMNA	Italy	46.2750N	13.2369E	270	
Genat	GENF	Midi-Pyrenees	42.8230N	1.5720E	960	From 2015-07-13
General Santos	GTP	Mindanao,Philippines	6.1333N	125.2167E		
General Santos City	GSPH	Mindanao,Philippines	6.0870N	124.9490E	1050	
Geneseo	GENY	New York,U.S.A.	42.7670N	77.8170W	0	From 2001-10-27 to 2007-07-02
Gen˜ove, Vieux-Billard	SGEV	Switzerland	46.2006N	6.1367E	373	From 2011-05-01
Genf, Marziano	SGEM	Switzerland	46.1927N	6.1304E	377	From 1992-06-05
Gennadi, Rhodes Island	RGE1	Greece	36.0269N	27.9305E	5	From 2012-08-01
Geno	GENO	Iran	27.4000N	56.1723E	1616	From 2010-04-30
Genoa	GNO	Nevada,U.S.A.	38.9292N	119.8530W	1646	
Genova	GEN	Italy	44.4181N	8.9301E	53	From 1963-01-01 to 1995-12-31
Genova University	GENL	Italy	44.4057N	8.9697E	80	From 1995-09-01
Genta-Ana	GENH	Iburi,Japan	42.5513N	140.8532E	150	
Gentilly	GNT	Quebec,Canada	46.3628N	72.3722W	10	From 1978-04-06
Gentvishi	GTS	Georgia,Georgia	43.3828N	41.2820E	740	From 2006-09-01
Genyem	GENI	Irian Jaya,Indonesia	2.5927S	140.1678E	45	From 2009-11-24
Geochang	KSKUC	Republic of Korea	35.6676N	127.9079E	220	From 2000-02-24
Geochang	KSKCH	Republic of Korea	35.6140N	127.9188E	420	From 2006-12-30
Geological Survey, Reston	GSR	Virginia,U.S.A.	38.9479N	77.3696W	119	From 1975-06-01
Geophysical Institute, University of Alaska	GIA	Alaska,U.S.A.	64.8600N	147.8350W	158	From 1969-06-01 to 1971-01-31
George	J34A	Iowa,U.S.A.	43.2844N	95.9579W	432	From 2010-07-30 to 2012-05-17
Georgetown	Q50A	Ohio,U.S.A.	38.8436N	83.9790W	262	From 2012-06-24
Georgetown	GEO	District of Columbia,U.S.A.	38.9000N	77.0667W	29	From 1911-01-01
Georgetown	GTD	Delaware,U.S.A.	38.7414N	75.4144W	15	From 1977-01-01 to 1999-01-31
Georgetown Playfield ANSS-SMO	GTWN	Washington,U.S.A.	47.5512N	122.3220W	25	From 2004-08-01
Georgetown, SC	Z59A	South Carolina,U.S.A.	33.2414N	79.2780W	8	From 2013-02-23
Georgiana Molloy Anglican School, Busselton	AUBUS	West Australia,Australia	33.6600S	115.3800E	13	From 2012-09-26
GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	GEORG	Queen Maud Land	70.7011S	8.3029W	57	From 2009-07-01
Geraldton	GTO	Ontario,Canada	49.7450N	86.9617W	350	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gerania Oros	MGER	Greece	37.9860N	23.2602E	600	
Gerede-Bolu	GRDE	Turkey	40.7995N	32.2116E	1350	From 2012-11-12
GERESS Array Beam Reference Point	GERES	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS Array Site A0	GEA0	Bayern,Germany	48.8368N	13.7019E	1027	
GERESS Array Site A1	GEA1	Bayern,Germany	48.8363N	13.7039E	1009	
GERESS Array Site A2	GEA2	Bayern,Germany	48.8386N	13.7018E	1059	
GERESS Array Site A3	GEA3	Bayern,Germany	48.8350N	13.7000E	1017	
GERESS Array Site B1	GEB1	Bayern,Germany	48.8389N	13.7075E	1015	
GERESS Array Site B2	GEB2	Bayern,Germany	48.8395N	13.6986E	1092	
GERESS Array Site B3	GEB3	Bayern,Germany	48.8369N	13.6960E	1058	
GERESS Array Site B4	GEB4	Bayern,Germany	48.8327N	13.6989E	1006	
GERESS Array Site B5	GEB5	Bayern,Germany	48.8346N	13.7059E	976	
GERESS Array Site C1	GEC1	Bayern,Germany	48.8412N	13.7099E	1027	
GERESS Array Site C2	GEC2	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS ARRAY SITE C2A	GEC2A	Bayern,Germany	48.8451N	13.7016E	1127	From 2008-08-12
GERESS ARRAY SITE C2B	GEC2B	Bayern,Germany	48.8451N	13.7016E	1127	From 2008-08-12
GERESS Array Site C3	GEC3	Bayern,Germany	48.8424N	13.6917E	1075	
GERESS Array Site C4	GEC4	Bayern,Germany	48.8352N	13.6875E	1103	
GERESS Array Site C5	GEC5	Bayern,Germany	48.8296N	13.6957E	1009	
GERESS Array Site C6	GEC6	Bayern,Germany	48.8268N	13.7091E	942	
GERESS Array Site C7	GEC7	Bayern,Germany	48.8354N	13.7145E	986	
GERESS Array Site D1	GED1	Bayern,Germany	48.8518N	13.7148E	1060	
GERESS Array Site D2	GED2	Bayern,Germany	48.8532N	13.6964E	999	
GERESS Array Site D3	GED3	Bayern,Germany	48.8465N	13.6818E	949	
GERESS Array Site D4	GED4	Bayern,Germany	48.8386N	13.6796E	1039	
GERESS Array Site D5	GED5	Bayern,Germany	48.8246N	13.6807E	1085	
GERESS Array Site D6	GED6	Bayern,Germany	48.8194N	13.6966E	1083	
GERESS Array Site D7	GED7	Bayern,Germany	48.8209N	13.7159E	959	
GERESS Array Site D8	GED8	Bayern,Germany	48.8332N	13.7261E	938	
GERESS Array Site D9	GED9	Bayern,Germany	48.8434N	13.7238E	987	From 1992-01-01
Gerfalco	GRFL	Italy	43.1475N	10.9764E	770	
Gerlach	N07A	Nevada,U.S.A.	40.7721N	118.9716W	1305	From 2006-02-21 to 2006-04-27
Gerlach	N07B	Nevada,U.S.A.	40.7797N	118.9711W	1302	From 2006-04-27 to 2008-03-18
Germantown	GERM	New York,U.S.A.	42.1570N	73.8113W	88	
Germi	GRMI	Iran	38.8081N	47.8938E	1300	From 2004-08-01
Geronimo	Z18A	Arizona,U.S.A.	33.0851N	110.0362W	812	From 2007-03-09 to 2009-01-18
GE Springer Mine, Mill City	N08A	Nevada,U.S.A.	40.7811N	118.1337W	1492	From 2006-02-15 to 2008-03-20
Gesves	BGES	Belgium	50.3845N	5.0869E	295	From 1997-11-15
Geumsan	KSMSA	Republic of Korea	36.1058N	127.4815E	210	From 2011-10-05
Gevas	GEVA	Turkey	38.3122N	43.0586E	1672	From 2008-10-31
Gevers	GAUS	Turkmenistan	37.9320N	58.9100E	148	
Geyser Peak	GGPM	California,U.S.A.	38.7647N	122.8440W	1054	From 1975-04-18
Geysers	GDXM	California,U.S.A.	38.8078N	122.7947W	910	
Gezan	GEZ	Tajikistan	39.4000N	67.7000E		
Ghadhada	GDD	Gujarat,India	23.8700N	70.3700E	-48	From 2012-01-01
Ghaleghazi	IGHG	Iran	34.3294N	46.5685E	2090	From 2004-01-01
Ghaloghah	IGLO	Iran	36.5024N	53.8302E	1963	From 2000-08-01
Ghamsar	QAM	Iran	33.7606N	51.4397E	1864	From 1985-01-01
Ghanteswor	GHAN	Nepal	29.1800N	80.6300E	2450	From 1995-01-01
Ghardimaou	GHAT	Tunisia	36.4958N	8.3048E	400	
Gharib	GRB	Egypt	28.2705N	32.7859E	460	
Gharneh	IGAR	Iran	32.4038N	52.0418E	2020	From 2005-04-06
Gharyan	GHAR	Libya	32.1220N	13.0863E	709	
GHASH	GHASH	Saudi Arabia	22.7175N	40.2299E	1211	
Ghazvin	IGZV	Iran	36.3859N	50.2184E	2100	From 1996-01-01
Ghdames	LGHD	Libya	30.0167N	9.4422E	600	
Ghir-Karzin	GHIR	Iran	28.2855N	52.9867E	1200	From 2004-05-11
GHOM	GHVR	Iran	34.4800N	51.2950E	924	From 2007-05-01
Ghor Haditha	GHAJ	Jordan	31.3034N	35.5665E	-61	From 2012-05-08
Ghuzeima	GHZJ	Jordan	30.5300N	36.3250E	1048	From 1990-01-12
Gialos, Santorini	SNT1	Greece	36.4159N	25.4282E	12	From 2011-07-07
Giannitsa	GIA1	Greece	40.7963N	22.4155E	120	From 2008-09-30
Giardini Botanici Hanbury, Ventimiglia (IM), Italy	BURY	Italy	43.7825N	7.5568E	20	From 2015-04-20
Gibalbin	GIBL	Spain	36.8301N	5.9674W	374	
Gibilmanna	GIB	Sicily,Italy	37.9894N	14.0267E	1000	
Gibon Southern Titans, Haubstabt	R46A	Indiana,U.S.A.	38.2124N	87.5114W	164	From 2011-11-14
Gidamilanda	GIDA	Tanzania,United Republic of Tanzania	3.7368S	35.0643E	1047	
Gifford Fjord, Baffin Island, Nunavut	GIFN	Northwest Territories,Canada	69.9945N	81.6380W	92	From 2005-08-19
Gifu	GIF	Gifu,Japan	35.3983N	136.7650E	13	
Gilahina Butte	GLB	Alaska,U.S.A.	61.4418N	143.8100W	845	From 1973-08-25
Gila River Indian Community, Laveen	Z15A	Arizona,U.S.A.	33.2893N	112.1581W	318	From 2007-04-14 to 2008-12-05
Gilbert	GBT	Nevada,U.S.A.	38.1630N	117.6840W	2137	
Gilbert Hill	GHI	Idaho,U.S.A.	46.4702N	116.3190W	920	From 1971-10-01 to 1976-01-14
Gilboa	GILB	New York,U.S.A.	42.4230N	74.4527W	335	
Gilead	W57A	North Carolina,U.S.A.	35.1529N	79.9928W	85	From 2013-03-08
Gileppe	GIP	Belgium	50.5922N	5.9742E		
Giles	GLS	Western Australia,Australia	25.0353S	128.2960E	600	From 1974-10-01 to 1978-04-11
Gilgit	GLGT	Pakistan	35.9000N	74.3000E	1478	From 2010-06-30
Gilhagi	IGIL	Iceland	66.0770N	16.3510W	134	From 1993-10-23
Gilleleje	GID	Denmark	56.1270N	12.1788E	10	
Gillis	GILR	Nevada,U.S.A.	38.7313N	118.5347W	1676	
Gilmore City	K36A	Iowa,U.S.A.	42.6381N	94.4507W	364	From 2010-10-12 to 2012-10-23
Gilmore Creek	GIL	Alaska,U.S.A.	64.9750N	147.4950W	350	
Gilmore Dome	GLM	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilmore Dome	GLN	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilroy Hot Springs	GHS	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy Springs	HGSM	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy West	HGWM	California,U.S.A.	37.0170N	121.6530W	131	From 1975-10-02
Gimchen	KSGIC	Republic of Korea	36.0799N	128.1024E	123	From 2007-12-12
Ginetes	SET2	Azores,Portugal	37.8435N	25.8066W	525	From 1998-09-01
Gioiosa Marea	ME15	Italy	38.1708N	14.8988E	116	From 2008-05-13 to 2010-01-31
Gippayama	GPY	Nagano,Japan	36.3944N	138.5000E	2033	
Giralia	GIRL	Western Australia,Australia	22.6430S	114.2340E	111	From 1995-09-04
Girard	L53A	Pennsylvania,U.S.A.	41.9539N	80.2598W	355	From 2013-01-16
Girardeau Bridge	CBMO	Missouri,U.S.A.	37.3036N	89.5236W	102	
Girdled Road	CGRR	Ohio,U.S.A.	41.6787N	81.1418W	334	
Giresun/Alucra	ALUC	Turkey	40.3442N	38.7698E	1574	From 2014-12-09
GIRESUNGRSN	GRSN	Turkey	40.9244N	38.2681E	536	From 2005-08-09
Girifalco	GRI	Italy	38.8221N	16.4200E	510	
Girl Scout Camp	GSCY	New York,U.S.A.	41.2661N	74.0039W	110	
Giron, Santander	GIRC	Colombia	7.0788N	73.1935W	1164	From 2010-06-05
Girov	GIRR	Romania	46.9551N	26.5008E	334	From 2010-08-18
Gisborne	GNZ	North Island,New Zealand	38.6424S	178.0227E	30	From 1963-07-01 to 1990-03-07
Gissar	GIS	Tajikistan	38.4667N	68.5667E		
Giuliano Di Roma	GIUL	Italy	41.5583N	13.2546E	566	From 2002-06-12
Giurgiulesti	GIUM	Moldova	45.4850N	28.2081E	106	From 2007-07-27
Giv'at Ha'Em	GEM	Israel	33.2105N	35.6631E	223	From 2013-03-01
Giv'at Hamore	GVMR	Israel	32.6200N	35.3700E	90	From 1991-12-01
Givet	GIVF	Nord-Pas-de-Calais,France	50.1022N	4.8233E	295	From 1996-04-03
Gizo	GIZ	Solomon Islands,Papua New Guinea	8.0986S	156.8420E	20	
Gjilan	GJIK	Kosovo	42.4616N	21.4359E	630	From 2008-07-06
Glacier Island	GLC	Alaska,U.S.A.	60.8907N	147.0720W	3	From 1972-07-24 to 1984-09-17
Glacier Island	GLI	Alaska,U.S.A.	60.8797N	147.0940W	429	From 1984-09-18
Glacier Lake	GLK	Washington,U.S.A.	46.5639N	121.6090W	1320	
Glacier Peak	GC-WA	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GPW	Washington,U.S.A.	48.1179N	121.1379W	2354	
Glacier Peak	GC-	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Shelter	GSZ	North Island,New Zealand	39.2702S	175.5619E	2600	From 1976-06-01 to 1984-03-22
Gladstone	GLAD	Tasmania,Australia	40.9844S	148.0086E	146	From 1996-01-01
Gladstone Plant	GLADS	Queensland,Australia	23.8697S	151.2681E	117	
Gladstone Soft Rock	GD1S	Queensland,Australia	23.8421S	151.1690E	27	From 2011-10-10
Gladstone Stream	GSP	South Island,New Zealand	44.1320S	170.0181E	840	From 1975-04-01 to 1978-04-09
Gladwin	I47A	Michigan,U.S.A.	44.0193N	84.5096W	269	From 2012-11-06
Glafira	VGL	Greece	39.4456N	22.8842E	424	From 1982-10-01
Glaisdale, N Yorkshire Moors	GDLE	England,United Kingdom	54.4218N	0.8157W	228	From 2012-01-26
Glamis	GLA	California,U.S.A.	33.0515N	114.8271W	610	From 1966-12-19
Glashutten	GHA	Austria	47.4625N	16.3881E	500	
Glass	GLAT	Tennessee,U.S.A.	36.2694N	89.2876W	120	
Glass	GLST	Missouri,U.S.A.	36.2691N	89.2877W	122	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Glebe high school	OTGH	Ontario,Canada	45.4014N	75.6969W	74	From 2001-12-18
Glehn	BA17	Nordrhein-Westfalen,Germany	51.2516N	6.3657E	65	From 2006-10-01
Glen Almond	GAC	Quebec,Canada	45.7033N	75.4783W	62	From 1979-10-26
Glen Avon	GAV	California,U.S.A.	34.0225N	117.5049W	262	From 1976-01-01
Glenbawn Bedrock	GBBM	New South Wales,Australia	32.0925S	150.9725E	275	
Glenbawn Dam	GBAM	New South Wales,Australia	32.1114S	150.9993E	293	
Glen Canyon	GCA	Arizona,U.S.A.	36.9736N	111.5931W	1339	From 1960-08-01 to 1999-08-25
Glen Canyon Dam (NPS), Page	T16A	Arizona,U.S.A.	36.9839N	111.5060W	1177	From 2007-03-17 to 2008-11-19
Glen Cove	GCY	New York,U.S.A.	40.8583N	73.6300W	43	From 1965-02-01
Glendale	K02A	Oregon,U.S.A.	42.7667N	123.4898W	963	From 2006-05-26 to 2007-11-28
Glendive	D24A	Montana,U.S.A.	47.1152N	104.3270W	766	From 2008-09-19 to 2010-08-03
Glendive	GI-MA	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	GI-	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glenfield	GFW	South Island,New Zealand	41.4550S	173.8307E	230	From 1991-11-26 to 2004-05-16
Glengowla, Co Galway	IGLA	Ireland	53.4195N	9.3750W	30	
Glenifferbraes	PGBU	Scotland,United Kingdom	55.8115N	4.4837W	199	From 1990-01-01 to 1991-01-01
Glenmaggie	GLMM	Victoria,Australia	37.9020S	146.7990E	160	
Glenmuick	GLE	South Island,New Zealand	42.8983S	173.0951E	74	From 1932-01-01 to 1936-12-31
Glennies Creek Dam	GLNM	New South Wales,Australia	32.3662S	151.2464E	160	
Glennville	256A	Georgia,U.S.A.	31.9799N	81.8878W	46	From 2012-03-16
Glenroy	BGRQ	Queensland,Australia	20.5492S	147.1050E	160	From 1981-02-16
Glenside	GLEN	South Australia,Australia	34.9435S	138.6310E	70	From 2001-08-02
Glenview	GGLM	California,U.S.A.	38.8967N	122.7760W	893	From 1975-04-18
Glhisar (BURDUR)	GLHS	Turkey	37.1560N	29.4983E	1100	From 2005-04-08
Globe	GE-	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Globe	GE-AZ	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Glory Hole Creek	GHO	Alaska,U.S.A.	61.7722N	148.9240W	1021	From 1984-09-11
Gloucester	GLO	Massachusetts,U.S.A.	42.6403N	70.7272W	15	From 1975-08-01
Gloversville	GLOV	New York,U.S.A.	43.0895N	74.3320W	292	
Glow Worm Lake	GLWN	Northwest Territories,Canada	64.7253N	109.3304W	449	
Glumsstadir	IGLU	Iceland	64.9806N	15.0854W	115	From 2005-11-01
Gnd/Air Tx Cntr	GATR	California,U.S.A.	34.5527N	120.5024W	590	
Gnome	GN-NM	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnome	GN-	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnosjoe	GNOU	Sweden	57.2900N	13.7560E	280	From 2006-10-09
Gnowangerup	GNOW	Western Australia,Australia	33.8728S	117.8999E	320	From 2008-01-28
Goa	GOA	Goa, Daman and Diu,India	15.4917N	73.8247E	58	From 1964-06-06
Go??abunga	IGOD	Iceland	63.6598N	19.3224W	1200	From 2006-09-06
Goat Mountain	VGTM	Oregon,U.S.A.	45.1498N	122.2650W	993	
Goat Mountain	GT2	Oregon,U.S.A.	45.1556N	122.2710W	823	From 1985-09-01
Goat Mountain	GTM	California,U.S.A.	34.2946N	116.3560W	836	
Goat Mountain	GOAT	Alaska,U.S.A.	60.5810N	144.7271W	897	
Gobbelet	GOBY	New York,U.S.A.	41.3294N	73.9219W	150	
Gobu	GOBA	Azerbaijan	40.4010N	49.7330E	183	From 2003-08-01
Gochang-gun	GOCB	Republic of Korea	35.3484N	126.5982E	-14	From 2012-11-16
Godfrey	GOGA	Georgia,U.S.A.	33.4112N	83.4666W	116	From 1993-03-09
Godhavn	GDH	Greenland	69.2500N	53.5333W	23	
Gofitskoye	GOF	Stavropol'skiy Kray,Russia	45.0580N	43.0430E	293	From 1994-03-19
Gogaran	GOGS	Armenia	40.9017N	44.1950E	1935	
Goheung	KSKOH	Republic of Korea	34.6090N	127.2733E	53	From 2000-02-10
Gokceada-Canakkale	GOKC	Turkey	40.1997N	25.9183E	118	From 2011-03-28
Golan-Tel Qazir	GLH	Israel	32.7140N	35.6500E	330	From 1986-06-26
Goldborn	GOLB	Niedersachsen	52.9220N	9.4255E	31	From 2008-04-04
Gold Coast 1 Soft	GC1S	Queensland,Australia	28.1617S	153.5115E	11	From 2009-01-01
Gold Coast 2 Fill	GC2F	Queensland,Australia	27.9122S	153.3958E	12	From 2009-01-01
Gold Coast Softrock	GC2	Queensland,Australia	28.1364S	153.4539E	60	
Gold Cst Hrdrock	GC1	Queensland,Australia	27.9487S	153.3618E	60	
Golden	GNM	New Mexico,U.S.A.	35.2496N	106.1930W	2417	From 1976-01-01
Golden	GLD	Colorado,U.S.A.	39.7493N	105.2201W	1762	From 1974-01-01
Golden	GOL	Colorado,U.S.A.	39.7003N	105.3711W	2359	From 1961-12-21 to 1999-08-25
Goldendale	F06A	Washington,U.S.A.	45.7664N	120.7817W	577	From 2006-08-26 to 2008-03-28
Golden Eagle	Q42A	Illinois,U.S.A.	38.9120N	90.5331W	175	From 2011-05-07
Goldfield	GF-NV	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	S09A	Nevada,U.S.A.	37.7243N	117.2246W	1767	From 2006-04-12 to 2008-03-24
Goldfield	GF-	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Gold Hill	PK1	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHC	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHIB	California,U.S.A.	35.8323N	120.3473W	330	
Gold Hill	PGHM	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold King Creek	GKC	Alaska,U.S.A.	64.1787N	147.9350W	490	From 1976-07-01
Gold Mountain	GMW	Washington,U.S.A.	47.5479N	122.7860W	506	From 1970-02-27
Gold Mountain	GMN	Nevada,U.S.A.	37.3004N	117.2598W	2169	From 1979-07-13
Gold River	GDR	British Columbia,Canada	49.7810N	126.0320W	100	From 1978-08-04
Gold Rush Inn	AGIM	California,U.S.A.	38.8447N	120.9810W	305	From 1976-01-28
Goldstone, Barstow	GSC	California,U.S.A.	35.3018N	116.8057W	1000	From 1961-11-07
Goldstream Park	GSTB	British Columbia,Canada	51.6600N	118.6850W	1340	
Goldstream Valley	GSV	Alaska,U.S.A.	64.9216N	147.9370W	302	From 1999-01-01 to 2013-08-25
Goldstream Valley	GSVT	Alaska,U.S.A.	63.3372N	142.9821W	497	From 2003-04-01 to 2013-08-25
Golhisar	GOLH	Turkey	37.2369N	29.5611E	1090	From 2005-03-25
Golis@17e	GOLS	Slovenia	46.0108N	15.6245E	559	
Golmarmara-Manisa	GOMA	Turkey	38.7076N	27.9173E	115	From 2012-09-04
Golondrinas	GOLV	Ecuador	0.2082N	79.1370W	404	From 2008-07-25
Golovnino	GLVR	Sakhalinskaya Oblast',Russia	43.7386N	145.5193E	10	From 2011-09-20
Golpazari	GLP	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Golpazari	GPA	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Goma	GOM	Democratic Republic of the Congo	1.6810S	29.2270E	1470	
Gonabad	GNKF	Iran	34.5000N	58.4000E	0	
Gonen	GET	Turkey	40.1083N	27.5667E	590	From 1978-09-01 to 1984-03-31
Gonen-Balikesir	GONE	Turkey	40.0466N	27.6860E	142	From 2008-06-27
Gongen	GON	Kagoshima,Japan	31.5825N	130.6858E	270	
Gongju	KSKOJ	Republic of Korea	36.4706N	127.1446E	100	From 2006-12-30
Gongju-si	KOJ2	Republic of Korea	36.4708N	127.1447E	92	From 2011-12-19
Gonzaga (MN)	T0825	Italy	44.9730N	10.8469E	6	From 2012-05-29 to 2012-08-09
Gonzales	VGZ	British Columbia,Canada	48.4139N	123.3240W	68	From 1982-03-23
Gonzanamˆ¡	GONZ	Ecuador	4.2370S	79.3946W	3128	From 2012-08-23
Goochland	GHV	Virginia,U.S.A.	37.7942N	78.1073W	107	From 1978-10-10
Good Intent, Atchison	P36A	Kansas,U.S.A.	39.6204N	95.2060W	313	From 2010-05-28 to 2012-03-14
Goodland	D36A	Minnesota,U.S.A.	47.1765N	93.1645W	434	From 2010-08-28 to 2012-08-09
Goodnow Flow	GNF	New York,U.S.A.	43.9152N	74.2302W		From 1983-10-01
Goodsprings	V11A	Nevada,U.S.A.	35.8384N	115.4305W	1117	From 2006-06-16 to 2008-10-14
Goonhilly	CGH1	England,United Kingdom	50.0507N	5.1649W	97	From 1981-01-01
GO Pecny, Ondrejov, Czech Republic	GOPC	Czech Republic	49.9140N	14.7870E	484	From 2009-06-01
Gorafe	GORA	Spain	37.4793N	3.0417W	868	
Gordon	GO-NB	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon	GO-	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon Butte	VGB	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon Butte	VGBM	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon, Harris	R36A	Kansas,U.S.A.	38.3237N	95.5040W	354	From 2010-03-28 to 2012-03-10
GORE	GORE	Germany	52.9887N	11.3058E	-218	
Gorelyy	GRL	Kamchatskaya Oblast',Russia	52.5519N	158.0733E	1250	
Gorenja Brezovica	GBAS	Slovenia	45.9348N	14.4423E	538	
Gorgona, Isla Gorgona	GR1C	Colombia	3.0027N	78.1668W	39	From 2013-12-05
Gori	GOR	Georgia,Georgia	41.9855N	44.1088E	648	From 1932-01-01
Goris	GRS	Armenia	39.5000N	46.3333E	1399	From 1951-01-01
Gorizia	FGRZ	Italy	45.9400N	13.6200E	59	From 2010-07-28
Gorje	GRJ	Slovenia	46.3833N	14.0833E	600	
Gorjuse	GORS	Slovenia	46.3170N	13.9950E	1086	From 2004-07-01
Gorka Klasztorna	GKP	Poland	53.2697N	17.2367E	115	From 2004-05-28
Gorkha	GKN	Nepal	28.0030N	84.6370E	1478	From 1983-07-01
Gornja Briga	GBRS	Slovenia	45.5311N	14.8101E	610	From 2007-04-05
Gornji Cirnik	GCIS	Slovenia	45.8672N	15.6275E	320	From 2003-08-11
Gorno-Altaysk, Altai Republic, Russia	GALT	Altayskiy Kray,Russia	51.9590N	85.9460E	303	From 2012-08-27
Gornotaezhnoe	GRTS	Primorskiy Kray,Russia	43.7000N	132.1500E	220	From 1990-07-01
Gornotajezhnoje	GRTR	Primorskiy Kray,Russia	43.7073N	132.1565E	263	From 2006-07-24
Gornovodnoe	GRVS	Primorskiy Kray,Russia	43.7000N	134.7330E	270	From 1988-07-01
Gornyy	GRNR	Khabarovskiy Kray,Russia	50.7690N	136.4220E	450	
Gornyy	GOY	Sakhalinskaya Oblast',Russia	44.9167N	147.5670E		
Goroka	GRK	Papua New Guinea	6.0756S	145.3950E	1579	From 1968-01-25 to 1970-03-12
Goroka	GKA	Papua New Guinea	6.0583S	145.3920E	1634	From 1970-03-01 to 1972-11-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Goroka	GRK1	Papua New Guinea	6.0700S	145.3940E	1695	
Gorontalo	GTOI	Moluccas,Indonesia	0.6358N	123.0105E	0	From 2005-01-01
Gorreto	GORR	Italy	44.6070N	9.2930E	621	From 2012-03-15
Gorron	GRR	Pays de la Loire,France	48.3883N	0.8583W	220	
Gortina	GOR1	Crete,Greece	35.0582N	24.9628E	161	From 2012-09-01
Gosan	KSGOS	Republic of Korea	33.2938N	126.1628E	71	From 2002-10-29
Gosan-ri	GOS1	Republic of Korea	33.3003N	126.2100E	84	From 2011-12-01
Gosnell	GNAR	Missouri,U.S.A.	35.9652N	90.0178W	71	
Gosnell High Sch.	GSAR	Missouri,U.S.A.	35.9618N	89.9694W	0	
Goteborg	NE01	Sweden	57.8010N	12.1320E	55	From 1983-02-01 to 1986-01-31
Goteborg	GOT	Sweden	57.6983N	11.9783E	66	
Gotemba	GTN	Shizuoka,Japan	35.3167N	138.9330E		
Gotland	GOTU	Sweden	57.6855N	18.5700E	50	From 2002-03-05
Gotsu	JGT	Shimane,Japan	35.0287N	132.3343E	50	
Gottingen	GTT	Niedersachsen,Germany	51.5464N	9.9642E	272	From 1899-01-01 to 2005-06-17
Gould Hall	GOU	Alaska,U.S.A.	61.1892N	149.8000W	71	From 1994-08-01
Goulmima	GOLM	Morocco	31.7040N	4.9520W	1246	
Goumenissa	GOU1	Greece	40.9474N	23.4490E	100	From 2008-09-30
Goura	GUR	Greece	37.9363N	22.3423E	1081	From 2006-04-12
Gourbit	GRBF	Midi-Pyrenees,France	42.8413N	1.5367E	878	From 1989-01-01
Govalcot	GOV	Maharashtra,India	17.5400N	73.4883E	1	
Government House	GHSS	South Australia,Australia	34.9194S	138.6017E	42	From 2009-01-01
GOVORA	RMVG	Romania	45.0364N	24.2843E	260	From 2008-03-13
Gowlland Point	GOWB	British Columbia,Canada	48.7369N	123.1848W	29	
Goynuk	GYN	Turkey	40.3533N	30.7264E	1279	From 1991-01-01 to 1993-09-01
Gozaisho	GZS	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Gozaisho	GOZ	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Graceland, Paris	P45A	Illinois,U.S.A.	39.5277N	87.7439W	193	From 2011-11-16
Gracelyn & Ava, Whitmire	X55A	South Carolina,U.S.A.	34.4701N	81.6336W	153	From 2013-02-06
Grace West	PGWM	California,U.S.A.	35.1838N	120.6270W	148	
Graciosa	PGRA	Azores,Portugal	39.0293N	27.9813W	245	
GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	IMPE	Azores,Portugal	39.0423N	28.0055W	284	From 2010-11-09
Grady	250A	Alabama,U.S.A.	31.9778N	86.2677W	152	From 2012-01-22
Graechen Ausblick	SGRA	Valais,Switzerland	46.1936N	7.8356E	1591	From 2010-12-21
Graesoe	GRAU	Sweden	60.3342N	18.5396E	100	From 2001-12-19
Grafenberg	GG-GR	Bayern,Germany	49.6922N	11.2153E	525	From 1965-03-02
Grafenberg	GRFO	Bayern,Germany	49.6909N	11.2203E	384	From 1978-10-01
Grafenberg Ar.	GG-	Bayern,Germany	49.6922N	11.2153E		From 1965-03-02
Grafenberg Ar.	SB-	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Array	GRC2	Bayern,Germany	48.8680N	11.3750E	445	
Grafenberg Array	GRC3	Bayern,Germany	48.8904N	11.5851E	438	From 1979-01-01
Grafenberg Array	GRC4	Bayern,Germany	49.0870N	11.5270E	503	
Grafenberg Array	GRF	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Array	GRB2	Bayern,Germany	49.2712N	11.6691E	552	From 1978-01-01
Grafenberg Array	GRA1	Bayern,Germany	49.6919N	11.2217E	500	From 1976-03-01
Grafenberg Array	GRB4	Bayern,Germany	49.4688N	11.5615E	507	From 1978-01-01
Grafenberg Array	GRB1	Bayern,Germany	49.3922N	11.6537E	494	From 1978-01-01
Grafenberg Array	GRA4	Bayern,Germany	49.5655N	11.4359E	503	From 1978-01-01
Grafenberg Array	GRB3	Bayern,Germany	49.3439N	11.8065E	517	From 1978-01-01
Grafenberg Array	GRB5	Bayern,Germany	49.1111N	11.6789E	525	From 1979-01-01
Grafenberg Array	GRA2	Bayern,Germany	49.6550N	11.3600E	512	From 1976-03-01
Grafenberg Array	GRC1	Bayern,Germany	48.9960N	11.5220E	512	From 1979-09-01
Grafenberg Array	GRA3	Bayern,Germany	49.7623N	11.3193E	455	From 1976-03-01
Grafton	GFN	New York,U.S.A.	42.7928N	73.4153W	518	From 1971-10-01 to 1976-07-28
Grahamstown	GRM	Cape Province,South Africa	33.3133S	26.5083E	610	From 1967-11-03
Grahamstown	GRH	Cape Province,South Africa	33.3100S	26.5750E	558	
Graiana	GRAM	Italy	44.4913N	10.0658E	850	From 1999-04-01
Gramalote, Santander	GRMC	Venezuela	7.7180N	72.8040W	1275	From 2010-07-01
Granada	NE14	Spain	37.1900N	3.5950W	774	From 1983-05-01 to 2001-07-28
Granastaoir	IGRA	Iceland	65.9180N	17.5790W	24	From 1993-10-21
Granbergs Dal	GBD	Sweden	59.4570N	14.5540E	150	From 1980-01-01 to 1991-12-31
Grand Ballon	GBF	Alsace,France	47.9027N	7.0990E	1350	
Grand-Bara	GBR	Djibouti	11.1520N	42.4630E	625	From 1981-05-04
Grand Bay	DGBT	Dominica	15.2390N	61.3290W	70	
Grand Be	GBMF	Martinique,France	14.7973N	61.1648W	800	
Grand Canyon	GCAZ	Arizona,U.S.A.	36.0440N	112.1280W	2294	From 1987-01-01
Grand Canyon West Ranch, Meadview	V13A	Arizona,U.S.A.	35.8522N	113.9840W	1402	From 2007-03-10 to 2008-10-17
Grand Cayman	GCM	Cayman Islands	19.2890N	81.3810W	5	From 1984-11-01 to 2000-12-31
Grand Coulee	GCW	Washington,U.S.A.	47.9414N	118.9800W	462	
Grand County Courthouse, Moab, UT	MGCU	Utah,U.S.A.	38.5743N	109.5482W	1241	From 2011-10-21
Grande Dixence	DIX	Switzerland	46.0801N	7.4082E	2410	From 1999-01-19
Grande-Etoile	GELF	Provence-Cote d'Azur,France	43.3836N	5.4275E	550	
Grandfather Mountain	GFM	North Carolina,U.S.A.	36.1110N	81.8070W	1726	From 1982-05-27
Grand Junction	GJC	Colorado,U.S.A.	39.0906N	108.5269W	1445	
Grand'Maison	GDM	Rhone-Alpes,France	45.2038N	6.1163E	1574	
Grand Marais	C39A	Minnesota,U.S.A.	47.8171N	90.1289W	341	From 2010-09-18 to 2012-08-11
Grand Marais Airport, Grand Marais	E44A	Michigan,U.S.A.	46.6199N	85.9214W	282	From 2011-09-21
Grand Rapids	GP-MN	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Rapids	GP-	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Remous	GRQ	Quebec,Canada	46.6067N	75.8600W	290	
Grand Saline	GA2TX	Texas,U.S.A.	32.6581N	95.7036W	119	
Grand Saline	GA3TX	Texas,U.S.A.	32.6597N	95.7036W	-94	
Grand Saline	GA-TX	Texas,U.S.A.	32.6569N	95.7044W	-86	
Grand Targhee Resort	TARW	Wyoming,U.S.A.	43.7638N	110.9910W	2091	From 1986-01-01
Grand Turk	GRTK	Turks and Caicos Islands	21.5115N	71.1327W	12	
Grand View Acres	T58A	Virginia,U.S.A.	36.9454N	78.5338W	167	From 2013-03-18
Grandview Point	GRAI	Idaho,U.S.A.	43.8093N	111.3360W	2231	
Grand Wintersberg	GWF	Alsace,France	48.9775N	7.6219E	580	From 1980-07-01
Grange	GNG	Trinidad and Tobago	11.1770N	60.7980W	36	
Granges-Gontardes	GGF	Rhone-Alpes,France	44.3667N	4.7667E	110	
Grangeville	F11A	Idaho,U.S.A.	45.8883N	116.1549W	1186	From 2006-11-04 to 2008-07-15
Granite Bay	GBY	Alaska,U.S.A.	60.4322N	147.9780W	495	From 1985-07-12
Granite Butte	GBM	Montana,U.S.A.	46.8593N	112.4560W	2237	From 1974-10-09 to 1976-10-04
Granite Creek	YUK5	Yukon Territory,Canada	61.1315N	137.8593W	1619	From 2010-08-23
Granite Creek	GCC	California,U.S.A.	37.0300N	121.9970W	122	From 1965-01-01
Granite Creek	GRNC	Alaska,U.S.A.	60.7319N	141.7538W	2116	
Granite Mountain	GMA	Alaska,U.S.A.	65.4287N	161.2320W	860	From 1970-09-17 to 1978-03-25
Granite Mountain	GMU	Utah,U.S.A.	40.5755N	111.7630W	1829	From 1970-08-01
Granite Mountains Research Center, Essex	GMRC	California,U.S.A.	34.7846N	115.6599W	1326	From 2006-04-04
Granite Pass	GRP	California,U.S.A.	34.8043N	115.6050W	1238	
Granite Peak	LGPM	California,U.S.A.	40.9125N	122.8290W	1290	From 1982-10-01
Granite Springs	M61A	New York,U.S.A.	41.3104N	73.7673W	190	From 2013-05-30
Graniteville	GVS	South Carolina,U.S.A.	33.5970N	81.8528W	100	From 1974-05-20 to 1976-08-09
Gran Sasso	GIGS	Italy	42.4500N	13.5690E	1000	From 2003-02-24
Grant Creek	GRCI	Idaho,U.S.A.	43.9667N	113.9890W	2341	From 1983-11-01
Grantham	GRAN	South Africa	32.3020S	22.1710E	866	From 2012-09-29
Grant Side Rd.	KB3O	Ontario,Canada	45.3783N	76.1509W	95	From 2013-10-01
Grantsville	GS-MD	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grantsville	GS-	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grant Village	H17A	Wyoming,U.S.A.	44.3951N	110.5762W	2400	From 2007-10-03
Grant Village	YPGV	Wyoming,U.S.A.	44.3808N	110.5453W	2430	
Grapevine	GV-	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GV-TX	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GVN	California,U.S.A.	36.9999N	117.3435W	844	From 1978-11-28
Grapevine Ranger Station, Death Valley	GRAC	California,U.S.A.	36.9961N	117.3662W	689	From 2001-04-18
Grass Mountain	VGMM	Oregon,U.S.A.	43.5923N	122.5460W	1561	
Grass Mountain	GSM	Washington,U.S.A.	47.2032N	121.7940W	1305	From 1970-06-11
Grassy Mountain	GMG	Georgia,U.S.A.	34.8627N	84.6703W	1097	From 1985-11-01
Gratio	GRT	Tennessee,U.S.A.	36.2640N	89.4250W	137	
Graus	EGRA	Spain	42.1952N	0.3160E	706	From 1990-12-12
Gravata	GRBR	Pernambuco,Brazil	8.2273S	35.6401W	470	From 2007-01-01
Gravel Pit	MGPM	California,U.S.A.	37.6264N	118.9025W	2190	
Gravette	U38A	Arkansas,U.S.A.	36.4394N	94.3857W	389	From 2010-06-16 to 2012-02-19
Gray	T51A	Kentucky,U.S.A.	36.9655N	83.9454W	329	From 2012-05-31
Grayback Hills BLM, Clive	N14A	Utah,U.S.A.	40.8513N	113.1867W	1325	From 2007-02-20 to 2008-08-20
Gray Butte	LGBM	California,U.S.A.	41.3452N	122.1940W	2304	
Gray Hill	HGH	England,United Kingdom	51.6380N	2.8064W	210	From 1980-01-01
Grayling	GRLA	Alaska,U.S.A.	62.9063N	160.0626W	31	
Grayling	GLMI	Michigan,U.S.A.	44.8245N	84.6174W	387	From 2006-08-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Grayling Creek	GCR	Montana,U.S.A.	44.7962N	111.1060W	2075	From 1973-01-01
Grays Lake	GRRI	Idaho,U.S.A.	42.9380N	111.4220W	2207	
Grayson	242A	Louisiana,U.S.A.	32.0617N	92.1521W	57	From 2011-02-21 to 2012-11-13
Graz	GRA	Austria	47.0767N	15.4483E	369	
Gr delle femmine	EGFM	Sicily,Italy	37.8197N	15.0210E	1700	From 1994-10-01
Great Barrier	GBZ	North Island,New Zealand	36.2160S	175.4814E	70	From 1967-10-14 to 1990-05-20
Great Barrier Island	GRZ	North Island,New Zealand	36.2502S	175.4578E	80	From 2010-05-13
Great Rift	GTRI	Idaho,U.S.A.	43.2440N	113.2410W	1547	From 1992-01-01
Great Sand Dunes National Park	SDCO	Colorado,U.S.A.	37.7456N	105.5012W	2569	From 2002-07-11
Great Sitkin	AD1	Alaska,U.S.A.	52.0233N	176.1520W	244	From 1974-01-01 to 1992-02-01
Great Sitkin Cape Kiugilak	GSCK	Alaska,U.S.A.	52.0119N	176.1620W	384	
Great Sitkin Middle Yoke	GSMY	Alaska,U.S.A.	52.0432N	176.0563W	418	
Great Sitkin Saddle Point	GSSP	Alaska,U.S.A.	52.0928N	176.1757W	295	
Great Sitkin Teapot Rock	GSTR	Alaska,U.S.A.	52.0943N	176.0591W	536	
Great Sitkin Triple Divide	GSTD	Alaska,U.S.A.	52.0559N	176.1447W	873	
Great Whale R.	GWR	Quebec,Canada	55.2767N	77.7433W	20	From 1972-09-14
Great Whale River	GWC	Quebec,Canada	55.2917N	77.7533W	8	From 1965-09-27 to 1972-09-01
Greaves Creek	GRVM	New South Wales,Australia	33.6618S	150.3091E	980	
Greenacres	MGOO	Washington,U.S.A.	47.6482N	117.1490W	637	From 2014-01-29
Greenback	GBTN	Tennessee,U.S.A.	35.6660N	84.2110W	326	From 1983-03-23 to 2006-07-06
Greenback	GRBT	Tennessee,U.S.A.	35.6740N	84.1970W	329	
Green Bank	GBV	West Virginia,U.S.A.	38.4300N	79.8438W	826	From 1976-11-15
Greenbrier Site X102	X102	Arkansas,U.S.A.	35.3798N	92.3115W	206	
Greenbrier Site X201	X201	Arkansas,U.S.A.	35.2927N	92.3623W	207	
Greenbrier Site X301	X301	Arkansas,U.S.A.	35.2386N	92.4002W	112	
Greenbush Farm, Park River	B31A	North Dakota,U.S.A.	48.4236N	97.6495W	279	From 2010-08-12 to 2012-06-23
Green Forest	U39A	Arkansas,U.S.A.	36.3823N	93.4805W	433	From 2011-01-26 to 2012-10-30
Green Hill Farm, Brenham	537A	Texas,U.S.A.	30.0799N	96.3155W	92	From 2010-01-31 to 2011-11-05
Green Lake	GLKZ	Kermadec Islands,New Zealand	29.2620S	177.9203W	30	From 2009-06-01
Green Mountain	GNW	Washington,U.S.A.	47.5644N	122.8253W	165	
Green Oak Ranch	GORC	California,U.S.A.	33.1537N	117.2292W	138	
Green Oak Ranch, Vista	VSTC	California,U.S.A.	33.1537N	117.2292W	138	From 1975-01-01
Greenough	D14A	Montana,U.S.A.	47.0816N	113.5062W	1444	From 2006-10-04 to 2009-07-16
Green Peter	VGPM	Oregon,U.S.A.	44.4833N	122.5820W	1212	
Greenpond	GPD	New Jersey,U.S.A.	41.0177N	74.4608W	360	
Green River Community College BBO	GRCC	Washington,U.S.A.	47.3116N	122.1807W	130	From 2004-09-01
Greensboro	Q60A	Maryland,U.S.A.	39.0016N	75.8429W	14	From 2013-05-28
Greensboro	148A	Alabama,U.S.A.	32.6469N	87.5710W	63	From 2012-01-16
Greensboro	GBG	Georgia,U.S.A.	33.4985N	83.2112W	173	From 1978-02-01
Greensboro	GBNC	North Carolina,U.S.A.	36.0678N	79.7450W	236	
Greensprings	IP04	Virginia,U.S.A.	38.0922N	78.0942W	166	
Green Top	GTTN	Tennessee,U.S.A.	35.8120N	83.6670W	917	
Greenvale	GVL	Victoria,Australia	37.6186S	144.9006E	187	From 1976-01-01 to 2009-09-03
Green Valley	217A	Arizona,U.S.A.	31.7748N	110.8162W	1412	From 2007-03-03 to 2008-12-06
Green Valley Road	GVR	California,U.S.A.	38.2807N	122.2150W	257	From 1971-04-30
Green Verdugo Microwave Site, Sunland	DECC	California,U.S.A.	34.2535N	118.3338W	519	From 2000-08-10
Greenville	GH-MS	Mississippi,U.S.A.	33.3292N	91.0353W	30	
Greenville	P60A	Delaware,U.S.A.	39.8113N	75.6358W	105	From 2013-04-28
Greenville	GRV	Missouri,U.S.A.	37.0533N	90.3950W	168	From 1964-01-01 to 1974-12-31
Greenville	T43A	Missouri,U.S.A.	37.0833N	90.2878W	167	From 2011-07-24 to 2013-04-15
Greenwater Valley	GWY	California,U.S.A.	36.1860N	116.6689W	1556	From 1988-04-01
Greenwater Valley	GWV	California,U.S.A.	36.1867N	116.6710W	1540	From 1978-07-24 to 1988-02-16
Greenwich	GWJ	Jamaica	18.0740N	76.7280W	1200	
Greenwood	L56A	New York,U.S.A.	42.1365N	77.5591W	688	From 2013-08-17
Greenwood	GWDE	Delaware,U.S.A.	38.8256N	75.6171W	19	From 1995-08-29 to 2001-06-29
Gregorio Matese	SGG	Italy	41.3867N	14.3788E	880	From 1977-01-01
Grenada	GRE	Grenada	12.0470N	61.7460W	15	From 1952-12-21
Grenada	LGRM	California,U.S.A.	41.6392N	122.4805W	780	
Grenada, Carriacou, Mt. Pleasant	GCMP	Grenada	12.4860N	61.4260W	39	From 2014-03-17
Grenada Fort Frederick, Mt. Wheldale, St. Georges	GRFF	Grenada	12.0492N	61.7376W	223	From 2014-03-04
Grenoble	GRN*	Rhone-Alpes,France	45.1833N	5.7000E	244	
Grenoble	GRN	Rhone-Alpes,France	45.2425N	5.7452E	1040	From 1980-02-01
Grenville	GRGR	Grenada	12.1324N	61.6540W	195	
Grenville Island	GRNB	British Columbia,Canada	53.8468N	129.9575W	461	From 2014-08-24
Gresham	PGO	Oregon,U.S.A.	45.4667N	122.4530W	237	From 1982-06-01
Gresik	GRJI	Jawa,Indonesia	6.9145S	112.4793E	0	From 2007-12-01
Greta Valley South Island, New Zealand	GVZ	South Island,New Zealand	42.9674S	173.0348E	400	From 2012-06-30
Gretna	GAN	Nebraska,U.S.A.	41.0214N	96.2469W	335	From 1977-12-13 to 1979-10-30
Grevena	GRE3	Greece	40.0848N	21.4383E	533	From 2011-06-15
Greybull	H20A	Wyoming,U.S.A.	44.4868N	107.9990W	1236	From 2008-07-26 to 2010-09-14
Greycliff	GCMT	Montana,U.S.A.	45.7912N	109.6672W	1530	
Greymouth	GRY	South Island,New Zealand	42.4483S	171.2151E	3	From 1932-11-01 to 1942-10-31
Griffith Obs. 2	GR2C	California,U.S.A.	34.1182N	118.3003W	342	
Griffith Observatory	GOC	California,U.S.A.	34.1130N	118.3020W	347	From 1965-06-01
Griffith Park	GFP	California,U.S.A.	34.1293N	118.3100W		From 1975-04-01
Grimsel Gerstenegg	GRIMS	Switzerland	46.5781N	8.3189E	1746	From 2011-08-01
Grimsey	IGRI	Iceland	66.5420N	18.0100W	36	From 1994-01-21
Grimsfjall	IGRF	Iceland	64.4070N	17.2670W	1710	From 2001-05-08
Grimsstaoir	IGRS	Iceland	65.6380N	16.1240W	378	From 1996-02-15
Grindav??k	IGRV	Iceland	63.8572N	22.4558W	52	From 1997-03-03
Grindle Hills	GRIN	Alaska,U.S.A.	60.2810N	143.3190W	625	
Grindstone Mountain	GROR	Oregon,U.S.A.	45.3513N	123.6620W	945	From 1986-05-01
Grise Fiord	GFNU	Nunavut,Canada	76.4180N	82.8998W	12	
Grit	GR2	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GR2TX	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GRI*	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR1TX	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Griva	GRG	Greece	40.9567N	22.4014E	560	From 1981-01-01
Grizzlie Mountain	GMO	Oregon,U.S.A.	44.4391N	120.9560W	1689	
Grizzly Bear Lake	GBLN	Northwest Territories,Canada	64.1995N	112.9935W	392	
Grizzly Peak	GZU	Utah,U.S.A.	41.4255N	111.9750W	2646	
Grjothals	IGHS	Iceland	65.8578N	16.6272W	405	From 2008-03-19
Grjothals	IGHA	Iceland	65.8435N	16.6629W	396	From 2009-09-30
Grmije	GMRK	Kosovo	42.6588N	21.2197E	1026	From 2013-05-05
Grobnik	GROS	Slovenia	46.4610N	15.5018E	930	
Groom Lake Road	GLR	Nevada,U.S.A.	37.1994N	116.0175W	1446	From 1975-11-20 to 2002-10-10
Groom Range	GMR	Nevada,U.S.A.	37.3338N	115.7725W	1580	From 1979-01-23 to 2002-10-10
Grossbuechelberg	MGBB	Bayern,Germany	49.9720N	12.2150E	650	From 2001-03-12
Grosses Roches	GSQ	Quebec,Canada	48.9100N	67.1100W	398	From 1981-10-28
Grosshau	GSH	Nordrhein-Westfalen,Germany	50.7357N	6.3796E	367	From 1981-01-01
Grossmontoni	MOSI	Italy	46.6164N	10.5495E	1957	From 2006-12-13
Grota Negra	GRON	Azores,Portugal	37.7680N	25.5333W	577	From 2006-08-10
Grotte di Bossea	GBOS	Italy	44.2416N	7.8399E	897	From 2011-10-26
Ground Anchor Farm, New Bern	W61A	North Carolina,U.S.A.	35.1773N	76.9909W	6	From 2013-04-07
Ground Zero	ZOX	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Ground Zero	GZN	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Grouse Hill	LGHM	California,U.S.A.	41.6115N	121.6210W	2146	
Grouse Mountain	KGMM	California,U.S.A.	40.7588N	123.6740W	1615	
Grover	N25A	Colorado,U.S.A.	40.8132N	104.0873W	1607	From 2008-07-02 to 2010-05-18
Grover	GRX	Nevada,U.S.A.	39.6355N	117.9890W	1390	From 1980-01-01
Groznyy	GROC	Russia	43.2027N	45.7961E	198	From 2008-04-15
Groznyy	GRO	Chechnya,Russia	43.3200N	45.7500E	123	
Gruissan	CLAF	Languedoc-Rousillon	43.1350N	3.0900E	115	From 2015-07-13
Grundy	GD-	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Grundy	GD-VA	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Gruta Xavier	XAVN	Nicaragua	12.1487N	86.3263W	160	
Gruza	GRUS	Serbia	43.8886N	20.7153E	273	From 2002-05-01
Gryon	GRYON	Switzerland	46.2505N	7.1111E	1300	From 2002-10-10
G??ttrup	GOET	Denmark	57.0350N	9.2250E	5	From 1977-01-01 to 1989-12-31
Guacamaya	GUAC	Venezuela	10.1920N	67.2711W	1359	From 1987-06-01
Guadalajara	GUM	Jalisco,Mexico	20.6794N	103.3242W	1567	
Guadalajara 2	GUM2	Jalisco,Mexico	20.6667N	103.3000W	1543	
Guadaloupe-1	LZG	Guadeloupe,France	16.1408N	61.7755W	116	From 1997-01-01
Guadaloupe-2	PHG	Guadeloupe,France	16.0146N	61.6426W	981	From 2004-03-30
Guadaloupe-3	TBG	Guadeloupe,France	15.8522N	61.6455W	78	From 2004-11-26
Guadalupe	PT03	Peru	13.9917S	75.7967W	400	
Guadalupe Mountain	GDL2	New Mexico,U.S.A.	32.2003N	104.3640W	1213	
Guadarrama	GUD	Spain	40.6430N	4.1540W	1393	From 1979-07-01
Guadeloupe/Martinique T-Phase Site N1	H05N1	Guadeloupe,France	16.3164N	61.0567W	268	From 2000-09-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Guadeloupe/Martinique T-Phase Site S1	H05S1	Guadeloupe,France	14.4250N	60.8367W	6	From 2000-09-18
Guagua Pichincha Codigem	GGPC	Ecuador	0.1788S	78.5968W	4420	From 2012-06-15
Guajares	EGUA	Spain	36.8337N	3.5654W	386	From 1991-01-10
Gualala	GGUM	California,U.S.A.	38.8565N	123.4980W	661	
Gualdo di Macerata	GUMA	Italy	43.0627N	13.9352E	574	From 2007-10-18
Guallil	GUAL	Ecuador	3.0718S	78.8142W	3265	From 1994-07-21
Guam	GUAM	Mariana Islands	13.4717N	144.7483E		From 1914-01-01 to 1944-12-31
Guam	GUAMO	Missouri,U.S.A.	36.8892N	89.8390W	172	
Guam	GUMO	Mariana Islands	13.5891N	144.8686E	99	From 1975-08-01
Guam	GUA	Mariana Islands	13.5397N	144.9141E	287	From 1963-04-01
GUANDACOL	AGUA	La Rioja,Argentina	29.4870S	68.4910W	1075	From 1996-09-26
Guandu, BA	GDU01	Brazil	13.7200S	39.5753W	251	From 2014-04-28
Guangfu	EGFH	Taiwan region	23.6688N	121.4274E	132	From 2011-12-20
Guangzhou	CNT	Guangdong,China	23.0869N	113.3440E	11	
Guangzhou	GZH	Guangdong,China	23.0869N	113.3440E	11	
Guanica, Bosque Seco, PR	GBPR	Puerto Rico	17.9751N	66.8792W	15	From 2006-09-21
Guanoco	GUNV	Venezuela	10.1616N	62.9426W	60	
Guantanamo	GM-	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GTMO	Cuba	20.0800N	75.1400W	0	
Guantanamo	GM-CU	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo Bay	GBC	Cuba	19.9000N	75.1500W		
Guantanamo Bay	GTBY	Caribbean Sea,U.S.A.	19.9268N	75.1108W	79	
Guarapari	CAM3	Espirito Santo,Brazil	20.7288S	40.5222W	27	
Guarapari-ES	ALF01	Espirito Santo,Brazil	20.6169S	40.7252W	22	From 2011-01-30
Guarapari, ES	NAN01	Brazil	17.8442S	40.1257W	209	From 2013-09-23
Guaratinga, BA	GUA01	Brazil	16.5835S	39.8053W	198	From 2013-10-27
Guarcino	GUAR	Italy	41.7945N	13.3123E	741	From 2003-05-29
Guardamar (Alicante)	EXGUA	Spain	38.0960N	0.6570W	20	From 2009-09-01
Guardaparques de Rinc^‡n de la Vieja	GPS1	Costa Rica	10.7748N	85.3497W	846	From 2000-01-01
Guaruva-PR	TIJ01	Parana,Brazil	25.3235S	49.0046W	1049	From 2011-01-30
Guatemala Basin O.B.S. 2	GB02	Guatemala Basin,North Pacific Ocean	6.5569N	93.5519W	-3580	From 1979-05-01
Guatemala Basin O.B.S. 3	GB03	Guatemala Basin,North Pacific Ocean	7.8381N	94.3869W	-3730	From 1979-05-01
Guatemala Basin O.B.S. 4	GB04	Guatemala Basin,North Pacific Ocean	12.7400N	91.0161W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 5	GB05	Guatemala Basin,North Pacific Ocean	12.6519N	90.9489W	-6010	From 1979-05-01
Guatemala Basin O.B.S. 6	GB06	Guatemala Basin,North Pacific Ocean	12.6939N	90.8519W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 7	GB07	Guatemala Basin,North Pacific Ocean	12.7911N	90.9119W	-4460	From 1979-06-01
Guatemala Basin O.B.S. 8	GB08	Guatemala Basin,North Pacific Ocean	12.7169N	90.9369W	-5465	From 1979-05-01
Guatemala City	GCG	Guatemala	14.5862N	90.5328W	1502	From 1925-01-01
Guatemala OBS 1	GB01	Guatemala Basin,North Pacific Ocean	3.9981N	91.9981W	-2893	From 1979-05-01
Guayabo	MICM	Costa Rica	10.7010N	85.1990W	636	
Guayabo	TMIA	Costa Rica	10.7153N	85.1945W	670	
Guayabo de Bagaces	GUAB	Costa Rica	10.7075N	85.2292W	584	From 2000-01-01
Guayacanes	GUAY	Dominican Republic	18.4400N	69.4333W	0	
Guayaquil	AGUAY	Ecuador	2.0543S	79.9518W	30	From 2010-07-27
Guaymas	GUYB	Sonora,Mexico	27.8985N	110.8727W	-2	From 2012-08-03
Guaymas	GYM	Sonora,Mexico	27.9100N	110.9520W	15	
Guaynabo City	GCPR	Puerto Rico	18.3090N	66.0836W	113	From 2013-07-01
Guba	GUB	Democratic Republic of the Congo	10.6667S	26.4333E		
Gudauri	GUDG	Georgia,Georgia	42.4646N	44.4772E	2012	From 2007-11-13
Gudauri	GUDA	Georgia,Georgia	42.2752N	44.2837E	2011	From 2007-11-13
Guelma	CGMA	Algeria	36.4500N	7.4100E	336	
Guelma	CGUE	Algeria	36.4500N	7.4100E	336	
Guerrero	CGG	Guerrero,Mexico	16.6750N	98.4575W	400	
Guerrero	LLJ	Guerrero,Mexico	16.5642N	98.8847W		
Guerrero, Norte de Santander	GUEC	Colombia	7.8302N	72.9247W	2430	From 2008-07-15
Guia Canaria	GGC	Canary Islands,Spain	28.1197N	15.6367W	560	From 1984-11-01
Guildford	GILD	England,United Kingdom	51.2500N	0.5833W		
Guimar	GUI	Canary Islands,Spain	28.3208N	16.4405W	868	
Guinayangan	GQP	Philippines	13.9050N	122.4460E	50	
Guiria	GUIV	Venezuela	10.6470N	62.2230W	50	
Guiyang	GYA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	KWA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	HXI	Guizhou,China	26.4586N	106.6640E	1162	
Gukeng	WGK	Taiwan region	23.6860N	120.5620E	75	
Gulagac	GULA	Turkey	38.3443N	34.2360E	1128	From 2010-06-30
Gulek	GULE	Turkey	37.2837N	34.7765E	1625	From 2006-12-01
Guler Mountain	GULW	Washington,U.S.A.	45.9242N	121.5960W	1189	From 1986-07-31
Gulfidan-Ladik(Samsun)	GULF	Turkey	40.9140N	35.8790E	930	From 2013-12-05
Gulkana	GUL	Alaska,U.S.A.	62.2206N	145.4514W	600	From 1964-04-11 to 1964-05-07
Gulpinar-Canakkale	GPNR	Turkey	39.4560N	26.1332E	52	From 2011-03-26
Gulveren	GULT	Turkey	40.4323N	30.5150E	930	From 1993-01-01
Gumba	GUN	Nepal	27.9106N	85.8794E	2900	From 1985-03-01
Gum-Bashi	GUMR	Stavropol'skiy Kray,Russia	43.7756N	42.2472E	2312	
GUMI	KSGUM	Republic of Korea	36.2347N	128.2902E	48	From 2006-12-30
Gumukmas	GMJI	Jawa,Indonesia	8.2732S	113.4441E	0	From 2007-12-01
Gumuldur	GMLD	Turkey	38.0766N	26.9156E	10	From 2011-07-24
Gumushane	GUMT	Turkey	40.4600N	39.4800E	1326	
Gundaroo	GUND	New South Wales,Australia	35.0318S	149.2679E	600	From 2007-08-01
Gundogdu	GDDT	Turkey	40.3397N	29.0213E	575	From 1994-01-01
Guneyli	GNYT	Turkey	40.5638N	29.2795E	585	From 1994-01-01
Gungliau Township	TNGL	Taiwan region	25.0430N	121.9230E	12	From 2002-11-06
Gun Hill	BBGH	Barbados	13.1434N	59.5588W	180	
Gunib	GNBR	Dagestan,Russia	42.3889N	46.9639E	800	
Gunnerudssatern	GNN	Sweden	60.1336N	13.6956E	265	From 1969-01-01 to 1991-12-31
Gunsan	KSKUS	Republic of Korea	36.0168N	126.8336E	58	From 2000-02-05
GUNSAN	KSGUS	Republic of Korea	36.0371N	126.7819E	33	From 2006-12-30
Gun Site Peak	GSUT	Utah,U.S.A.	41.9063N	112.1210W	1783	From 1979-10-01 to 1980-07-31
Gunungsitoli	GSI	Nias,Indonesia	1.3039N	97.5755E	107	From 2005-09-30
Gunung Srandil	SCJI	Jawa,Indonesia	7.6810S	109.1689E	45	
Gunzen	GUNZ	Sachsen,Germany	50.3635N	12.3316E	669	From 2000-12-16
Guoxing	DPDB	Taiwan region	24.0334N	120.9264E	650	From 2005-01-24
Gura Zlata	GZR	Romania	45.3933N	22.7767E	850	From 1977-04-01
Guri	GUV	Venezuela	7.8086N	63.0974W	130	
Guri Network	GUV3	Venezuela	7.6009N	62.7614W	440	
Guri Network	GUV2	Venezuela	7.7816N	62.8176W	650	
Guri Network	GUV1	Venezuela	7.9478N	62.8554W	410	
Guri Network	GUV4	Venezuela	7.6083N	63.1017W	410	
Guri Network	GUV5	Venezuela	7.8944N	63.2120W	410	
Gurin_S¨VAS	CUGUR	Turkey	38.7237N	37.2719E	1401	From 2010-07-08
Guroymak-BITLIS	GURO	Turkey	38.5509N	42.0322E	1388	From 2011-10-29
Gusciola	GSCL	Italy	44.3506N	10.5878E	665	
Gushan	WSSB	Taiwan region	22.6418N	120.2618E	352	From 2002-12-01
Gusukube	JOGS	Ryukyu Islands,Japan	24.7600N	125.4063E	60	
Gutenstein	GUT	Baden-Wurttemberg,Germany	48.0709N	9.1153E	647	From 1997-10-14
Guthrie	V34A	Oklahoma,U.S.A.	35.8345N	97.5176W	329	From 2009-10-31 to 2011-09-03
Gut Margarthenhoehe	BD04	Nordrhein-Westfalen,Germany	50.9151N	6.5986E	80	From 2001-01-01 to 2013-09-24
Guttu	GTU	Himachal Pradesh,India	30.5269N	78.7477E	1880	From 2007-05-01
Guwahati	GWH	Assam,India	26.1500N	91.7300E		From 1982-12-01
GUWAHATI	GUWA	Assam,India	26.1933N	91.6914E	88	From 2011-05-01
Guyana, Caldas	GUY2C	Colombia	5.2240N	75.3650W	3605	From 2013-04-17
Guyana, Colombia	GUYC	Colombia	5.2237N	75.3902W	3600	From 2009-02-01 to 2013-04-26
Guyot Hills	GYO	Alaska,U.S.A.	60.1463N	141.4710W	183	From 1976-06-01
Guysborough	GBN	Nova Scotia,Canada	45.4078N	61.5128W	38	From 1983-05-03
Guzelce-Avcilar-Istanbul	SBT2	Turkey	40.8786N	28.5142E	-810	From 2010-11-03
Guzeripl'	GUZR	Russia	43.9963N	40.1184E	822	From 2012-06-15
Gvkgeada	GADA	Turkey	40.1909N	25.8986E	130	From 2006-07-06
Gvttingen	GTTG	Germany	51.5451N	9.9647E	279	From 2006-01-18
Gwangju	KSKWJ	Republic of Korea	35.1599N	126.9910E	213	From 2000-12-13
Gwangju-acc	KSGWJ	Republic of Korea	35.1731N	126.8915E	0	From 2007-01-01
Gwangyang	GWYB	Republic of Korea	34.9435N	127.6915E	32	From 2012-10-19
Gweek	CGW	England,United Kingdom	50.1006N	5.2228W	9	From 1993-01-01
Gygjarholskot	IGYG	Iceland	64.2810N	20.2150W	119	From 1989-12-10
Gymnase	ELAUS	Switzerland	46.5279N	6.6221E	530	From 2008-07-03
Gyogryolbido	KSGBI	Republic of Korea	36.6250N	125.5590E	112	From 2007-12-12
Gythion	GTH2	Greece	36.7603N	22.5659E	3	
Gyula	GYL	Hungary	46.5981N	21.1718E	92	
Gyulagarak	TUNS	Armenia	40.9233N	44.4467E	1910	
Gyumri	GYMZ	Krasnodarskiy Kray,Russia	40.8100N	43.8310E	1560	
Gyumri	GMRZ	Armenia	40.8100N	43.8310E	1560	From 1945-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gyzyletrek	GZLA	Turkmenistan	37.6750N	54.7650E	55	
G?zelcaml?	GCAM	Turkey	37.7002N	27.2335E	38	From 2007-05-22
HAARP	HARP	Alaska,U.S.A.	62.4076N	145.1550W	600	
Haboro	HAB	Rumoi,Japan	44.3833N	141.7000E		
Hachijo jima	HJJ	Bonin Islands,Japan	33.1017N	139.7880E	80	
Hachijo jima 2	JHJ	Bonin Islands,Japan	33.1192N	139.7833E	153	
Hachijojimakashitate	JHCJ	Bonin Islands,Japan	33.0723N	139.7977E	170	From 2009-03-01
Hachinohe	HAC	Aomori,Japan	40.5250N	141.5270E	28	
Hachinohe 2	HACJ	Aomori,Japan	40.3972N	141.5460E	230	From 1991-03-08
Hacho	HACH	Spain	37.1890N	4.1218W	1025	
Hacienda Drive	AHDM	California,U.S.A.	39.0483N	121.0765W	483	
Hacifakili, Akdagmaden, YOZGAT	HACI	Turkey	39.7029N	35.7308E	1158	From 2015-03-11
Hadbat Hakran	HKNS	Saudi Arabia	22.6420N	41.7158E		
Haddam	HDM	Connecticut,U.S.A.	41.4858N	72.5232W	24	From 1974-12-23 to 1999-01-31
Hadim	HDMB	Turkey	36.9640N	32.4860E	1946	From 2003-11-05
Hadley	I34A	Minnesota,U.S.A.	44.0392N	95.8600W	509	From 2010-07-27 to 2012-05-22
Hadley Quad	HAKY	Kentucky,U.S.A.	37.1057N	86.5849W	169	From 1987-06-26
HADONG	KSHAD	Republic of Korea	35.0797N	127.7696E	60	From 2006-12-30
Hadrut	HDR	Armenia	39.5220N	47.0310E	800	From 1998-01-01
Haedir	IHAE	Iceland	64.0261N	16.9886W	250	From 2013-09-12
Haenam	KSHAN	Republic of Korea	34.5727N	126.5693E	13	From 2001-09-08
Hafar Al Batin	HBTS	Saudi Arabia	28.7336N	46.0514E	337	
Haflong	HLGA	Assam,India	25.1600N	93.0167E	662	From 1984-08-01
Hagersville	HGVO	Ontario,Canada	42.9607N	80.1264W	224	
Hagfors	HFS	Sweden	60.1335N	13.6945E	296	From 1969-01-01
Hagfors Array Site A1	HFSA1	Sweden	60.1383N	13.6955E	240	
Hagfors Array Site B1	HFSB1	Sweden	60.1382N	13.7011E	225	
Hagfors Array Site B2	HFSB2	Sweden	60.1431N	13.6988E	230	
Hagfors Array Site B3	HFSB3	Sweden	60.1433N	13.6884E	240	
Hagfors Array Site B4	HFSB4	Sweden	60.1384N	13.6860E	235	
Hagfors Array Site B5	HFSB5	Sweden	60.1351N	13.6935E	240	
Hagfors Array Site C1	HFSC1	Sweden	60.1344N	13.6968E	265	
Hagfors Array Site C2	HFSC2	Sweden	60.1335N	13.6973E	260	
Hagfors New Array Site A0	HFA0	Sweden	60.1420N	13.6850E	274	
Hagfors New Array Site A1	HFA1	Sweden	60.1444N	13.6846E	294	
Hagfors New Array Site A2	HFA2	Sweden	60.1406N	13.6806E	301	
Hagfors New Array Site A3	HFA3	Sweden	60.1405N	13.6896E	265	
Hagfors New Array Site B1	HFB1	Sweden	60.1482N	13.6824E	323	
Hagfors New Array Site B2	HFB2	Sweden	60.1421N	13.6729E	341	
Hagfors New Array Site B3	HFB3	Sweden	60.1370N	13.6820E	271	
Hagfors New Array Site B4	HFB4	Sweden	60.1384N	13.6943E	266	
Hagfors New Array Site B5	HFB5	Sweden	60.1467N	13.6964E	253	
Hagfors New Array Site C2	HFC2	Sweden	60.1335N	13.6945E	296	
HAGI	HAGI	Swaziland	26.1158S	31.1895E	1262	
Ha Giang	HGVB	Vietnam	22.8358N	104.9923E	119	From 2008-01-01
Hagimishima	JHGM	Yamaguchi,Japan	34.7827N	131.1414E	19	From 2013-07-01
Hagoal	HHAG	Egypt	29.9530N	32.0990E	490	
Hagol	HAGS	Egypt	24.3794N	34.9866E	333	
Hague Volcano	HAG	Alaska,U.S.A.	55.3171N	161.9042W	503	From 1996-07-01
Haha-jima-NKT	JHHJ	Bonin Islands,Japan	26.6297N	142.1780E	110	
Haha-jima-NKT2	JHH2	Bonin Islands,Japan	26.6328N	142.1757E	108	From 2013-04-01
Hahryggur	HAH	Iceland	64.1185N	21.2828W		
Haibara	HBR	Nara,Japan	34.5028N	135.9930E	390	
Haid-Arzberg	MHAI	Bayern,Germany	50.0225N	12.1762E	550	From 2001-03-13
Haifa	HAF	Israel	32.7790N	35.0240E	179	
Ha'il	HILS	Saudi Arabia	27.3835N	41.7917E	1080	
Hailar	HIA	Nei Monggol Zizhiqu,China	49.2667N	119.7420E	610	From 1987-03-01
Hailey	HL2ID	Idaho,U.S.A.	43.5618N	114.4149W	1784	
Hailey	HL2	Idaho,U.S.A.	43.5618N	114.4149W		From 1964-03-01 to 1967-12-31
Hailey	HL-ID	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL-	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HLID	Idaho,U.S.A.	43.5625N	114.4138W	1772	From 1998-08-10
Haileybury School of Mines	HSMO	Ontario,Canada	47.3708N	79.6657W	306	From 2005-07-20
Hailstone	HLJ	Utah,U.S.A.	40.6103N	111.4000W	1926	From 1992-10-22
Haines Junction	HYT	Yukon Territory,Canada	60.8250N	137.5040W	1416	
HAIS	HAIS	Kamchatskaya Oblast',Russia	60.9300N	166.8000E	175	
Haiwee	HAI	California,U.S.A.	36.1367N	117.9470W	1150	From 1929-09-11 to 1965-10-27
Haiwee Spring South	HWSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Haiwe Spring S	WHSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Hajar	HAJR	Saudi Arabia	22.8992N	39.6710E	732	
Hajjah	HAJJ	Yemen	15.6990N	43.5990E	1650	From 1994-11-01
Hakkari	HKR	Turkey	37.5780N	43.7408E	1750	From 2004-06-18
HAKKARI	HAKT	Turkey	37.5579N	43.7071E	2153	From 2005-07-04
Hakkari_Y^…ksekova	YOVA	Turkey	37.5871N	44.2896E	1946	From 2011-11-29
Hakmana	HALK	Sri Lanka	6.0885N	80.6805E	117	From 2011-05-12
Hakodate	HAK	O shima,Japan	41.8150N	140.7583E	35	
Hakodate 2	HAKJ	O shima,Japan	41.8333N	140.7783E	80	From 1992-02-25
Hakui	JJH	Ishikawa,Japan	36.9250N	136.7817E	35	
Halaksitan	HLD	Djibouti	11.5965N	42.4323E	-75	From 1979-09-23
Halanga-Turnu Severin	RMGR	Romania	44.6627N	22.6922E	113	From 2008-08-29
Halavar	MOLS	Armenia	40.7367N	44.4167E	1960	
Halavar	AIDS	Armenia	40.7783N	44.3800E	1800	
Haldarsvik	FHV	Faeroe Islands	62.2597N	7.0984W		
Haleakala	HKL	Hawaii,U.S.A.	20.7106N	156.2590W	3051	From 1975-01-01
Haleakala	HLK	Hawaii,U.S.A.	20.7583N	156.2479W	2132	From 1958-09-01
Halema'uma'u Trail	HATHI	Hawaii,U.S.A.	19.4230N	155.2610W	1082	
Hale Pohaku	HPU	Hawaii,U.S.A.	19.7808N	155.4580W	3396	From 1969-08-18
Haliburton	G53A	Ontario,Canada	45.1222N	78.6237W	333	From 2012-11-18
Halifax	HAL	Nova Scotia,Canada	44.6377N	63.5920W	64	From 1915-01-01
Halim	HALM	Morocco	31.7680N	9.4700W	0	
Hallabat	HLBJ	Jordan	32.0775N	36.3025E	827	From 1987-01-01
Halle	HLE	Sachsen-Anhalt,Germany	51.4979N	11.9569E	92	
Hallett	HTT	South Australia,Australia	33.4306S	138.9220E	708	From 1962-06-01
Halley Bay	HBA	Coats Land	75.5167S	26.6000W		
Hallie	T52A	Kentucky,U.S.A.	37.1076N	82.9852W	436	From 2012-05-15
Hallimjungang-ro	HALB	Republic of Korea	33.4019N	126.2729E	26	From 2012-12-28
Hall Mountain, Copeland	A11A	Idaho,U.S.A.	48.9580N	116.3631W	1455	From 2006-10-10 to 2008-06-12
Halls	HALT	Tennessee,U.S.A.	35.9106N	89.3395W	85	
Hall's Lagoon	HLA	New South Wales,Australia	33.5226S	150.9160E	27	
Hallstavik	HVK	Sweden	60.0090N	18.5660E	20	From 1980-01-01 to 1991-12-31
Haltingen (BS)	HALTI	Switzerland	47.6069N	7.5933E	-295	From 2006-10-01
Hamada	HMD	Shimane,Japan	34.8933N	132.0730E	21	
Hamaker Mountain	HAMO	Oregon,U.S.A.	42.0690N	121.9710W	1999	From 1993-10-06
Hamakita	JHMK	Shizuoka,Japan	34.8162N	137.7587E	-700	From 2002-01-01
Hamamatsu	HMM	Shizuoka,Japan	34.7067N	137.7233E	33	
Hamamatsu 2	HMMJ	Shizuoka,Japan	34.8558N	137.7215E	150	From 1989-03-25
Hambach	BD05	Nordrhein-Westfalen,Germany	50.9366N	6.4832E	90	From 2001-01-01
Hambach Funkstation	BD08	Nordrhein-Westfalen,Germany	50.8842N	6.5017E	114	From 2001-01-01
Hamburg	HAM	Hamburg,Germany	53.4651N	9.9248E	30	From 1905-01-01
Hamburg	HMB	New York,U.S.A.	42.6545N	78.8525W	290	From 1971-09-01 to 1976-07-28
Hamden	M62A	Connecticut,U.S.A.	41.4423N	72.8939W	24	From 2013-09-12
Hamelton Butte	VHBM	Oregon,U.S.A.	42.7858N	121.3490W	1945	
Hamer Butte	HID	Idaho,U.S.A.	43.9631N	112.1640W	1527	From 1979-08-24 to 1999-08-25
H?mikon, D?likerfeld, LU	HAMIK	Switzerland	47.2451N	8.2706E	532	From 2013-12-09
Hamilton	HNY	New York,U.S.A.	42.8318N	75.5148W	500	From 1974-07-01 to 1978-08-31
Hamilton	HMT	Alaska,U.S.A.	60.3365N	144.2610W	620	From 1977-06-01
Hamilton	HML	Ontario,Canada	43.2500N	79.8500W		
Hamilton Opening	GHOM	California,U.S.A.	39.0444N	123.5400W	687	
Hamilton Ranch	HMR	California,U.S.A.	38.1547N	121.8003W	65	From 1971-04-29
Hamilton Ranch, Breckenridge	133A	Texas,U.S.A.	32.6083N	98.9162W	418	From 2009-11-12 to 2011-09-08
Hamitkoy-Ladik(Samsun)	HKOY	Turkey	40.8920N	35.9883E	1106	From 2013-12-06
Hamley Bridge	HML1	South Australia,Australia	34.4034S	138.5889E	73	From 2007-03-28
Hamman Mousa	HAMM	Egypt	28.2763N	33.5778E		
Hammer	RHAM	Bayern,Germany	47.8040N	12.7200E	799	From 2001-04-09
Hammerfest	HAMF	Norway	70.6424N	23.6843E	105	From 2010-06-11
Hammernes	N1R5	Norway	66.3870N	14.0330E	62	
Hamm, Michael-Ende-School	HMES	Nordrhein-Westfalen,Germany	51.6578N	7.7263E	56	From 2004-08-01
Hammonton	P61A	New Jersey,U.S.A.	39.6734N	74.7919W	22	From 2013-05-29
Hamra	HMRJ	Jordan	32.0450N	36.3110E	708	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hamren	HMNA	Assam,India	25.9233N	92.6083E		From 1985-01-01
Hamta	HMTJ	Jordan	32.2208N	35.8122E	550	From 1983-09-01 to 1984-09-30
Hamyang	HAMB	Republic of Korea	35.5115N	127.7456E	95	From 2012-11-02
Hanceville	HVA	Alabama,U.S.A.	34.0264N	86.7692W	195	
Handcock Road	HRRZ	North Island,New Zealand	38.3901S	176.2838E	590	From 2007-03-22
Haney	HNBB	British Columbia,Canada	49.2873N	122.5729W	392	From 2013-11-21
Haney	HYC	British Columbia,Canada	49.2656N	122.5730W	150	From 1975-09-01 to 1980-07-04
Haney	HNB	British Columbia,Canada	49.2744N	122.5790W	185	From 1980-06-20
Hanford	HAWA	Washington,U.S.A.	46.3925N	119.5326W	364	
Hanford	HAN	Washington,U.S.A.	46.6033N	119.4670W	329	
Hanford Gable Butte	HGB	Washington,U.S.A.	46.5977N	119.4620W	165	
Hania	HANT	Tunisia	35.8333N	10.3635E	165	
Hanimaadhoo	HMDM	Maldives	6.7731N	73.1822E	0	From 2008-01-22
Hanita	HNTI	Israel	33.0830N	35.1740E	301	
Hanksville Airport, Hanksville	R17A	Utah,U.S.A.	38.4187N	110.7109W	1357	From 2007-06-26 to 2009-03-10
Hannah	HH2ND	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hannah	HH-ND	Montana,U.S.A.	48.9481N	98.6925W	488	From 1963-07-22 to 1964-08-05
Hannah	HH2	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hannah	HH-	Montana,U.S.A.	48.9481N	98.6925W	1100	From 1963-07-22 to 1964-08-05
Hanning Flat	WHFM	California,U.S.A.	35.6962N	118.3490W	902	
Hanno	JHU	Saitama,Japan	35.8517N	139.2817E	245	
Hanoi	HNV	Vietnam	21.0481N	105.7970E	6	
Hanover	HNH	New Hampshire,U.S.A.	43.7053N	72.2856W	180	From 1975-06-15
Han Pijesak,BIH	HAPS	Bosnia and Herzegovina	44.0862N	18.9507E	1199	
Hansel Valley	HVU	Utah,U.S.A.	41.7797N	112.7750W	1609	
Hans M'sky res	HMSA	South Africa	23.7288S	30.6680E	474	
Hans Werner Braun Residence, San Diego	HWB	California,U.S.A.	33.0262N	116.9596W	478	
Hanuchal	HNL1	Pakistan	35.8390N	74.7080E	1440	From 2012-01-01
Hanur-Agry	AGRB	Turkey	39.5755N	42.9920E	1820	From 2006-11-21
Hanwell	HANN	New Brunswick,Canada	45.8818N	66.7677W	102	From 2013-01-13
HAPCHEON	KSHAC	Republic of Korea	35.5572N	128.1699E	33	From 2000-12-05
Happy Creek Ranch, Winnemucca	M08A	Nevada,U.S.A.	41.4483N	118.3792W	1288	From 2006-02-14 to 2008-04-02
Haql	HQL	Saudi Arabia	29.2700N	35.0469E	285	From 1986-01-01
Haql	HAQS	Saudi Arabia	29.0500N	34.9200E	320	
HARA	HARA	Ethiopia	9.2858N	43.2782E	1905	
Harad	HRAD	Yemen	16.4167N	43.0500E	0	
Haradh	NHRD	Saudi Arabia	24.7220N	49.0150E	294	
Harads	HARU	Sweden	66.1635N	20.9752E	105	From 2006-09-19
Harare	HARE	Zimbabwe	17.7000S	31.0100E	1501	
Harban	HAR1	Pakistan	35.4270N	73.6200E	2038	From 2007-09-01
Harbor Island ANSS-SMO	HART	Washington,U.S.A.	47.5838N	122.3501W	2	From 2005-02-09
Harden Midland Farm, Stronghurst	N41A	Illinois,U.S.A.	40.7077N	90.8552W	226	From 2011-08-23
Harding Lake	HDA	Alaska,U.S.A.	64.4091N	146.9482W	437	From 1977-09-01
Hardington	K33A	Nebraska,U.S.A.	42.6052N	97.0012W	507	From 2010-07-20 to 2012-05-12
Hard Times	NEV	Nevis,Saint Kitts and Nevis	17.1361N	62.5710W	244	From 1980-07-09
Hardware Ranch	HWUT	Utah,U.S.A.	41.6069N	111.5652W	1830	
Hardware Ranch	HRUT	Utah,U.S.A.	41.6073N	111.5650W	1720	
Hargill	035Z	Texas,U.S.A.	26.4630N	98.0683W	19	From 2010-01-09 to 2011-11-20
Harich	HARI	Armenia	40.6080N	44.0000E	1980	From 1994-11-01
Harlan Ranch	PHAM	California,U.S.A.	35.8360N	120.3980W	455	
Harlequin Lake	HQN	Alaska,U.S.A.	59.4517N	138.8770W	372	From 1974-10-01
Harlowton	E18A	Montana,U.S.A.	46.5663N	109.9137W	1459	From 2007-09-14 to 2009-09-08
Harm Buss Farm, Glidden	L36A	Iowa,U.S.A.	42.1009N	94.6676W	353	From 2010-11-07 to 2012-10-21
Harmony Heights	HHI	Idaho,U.S.A.	46.4757N	116.1470W	636	From 1971-10-01 to 1974-07-15
Harness Mountain	HSO	Oregon,U.S.A.	43.5258N	123.0900W	1020	From 1990-09-20
Haroharo	HARZ	North Island,New Zealand	38.0894S	176.5022E	740	From 1992-06-16 to 2004-04-30
Harold F. Ross	AHRM	California,U.S.A.	38.8543N	121.0700W	345	From 1976-01-29
Harpers Horsepen, Conroe	538A	Texas,U.S.A.	30.2219N	95.4900W	59	From 2010-01-28 to 2011-11-10
Harrah City Hall	OK007	Oklahoma,U.S.A.	35.4877N	97.1612W	325	
Harre	HARN	Nepal	28.4200N	81.6700E	1230	
Harrington	F57A	Quebec,Canada	45.8122N	74.6928W	178	From 2013-07-27
Harrisburg	HBAR	Arkansas,U.S.A.	35.5550N	90.6572W	74	
Harrisburg (Southeastern Illinois College)	HAIL	U.S.A.	37.7527N	88.4373W	123	
Harrisonburg	HBV	Virginia,U.S.A.	38.4383N	78.8725W	411	From 1971-06-01
Harrison Lake South	HLSB	British Columbia,Canada	49.2836N	121.7249W	18	
Harrison Mills	HRMB	British Columbia,Canada	49.2446N	121.9391W	3	
Harrison Substation	HAO	Oregon,U.S.A.	45.5092N	122.6567W	18	
Harris Ranch	HRC	California,U.S.A.	36.7700N	121.4130W	228	
Harrisville	H48A	Michigan,U.S.A.	44.7006N	83.3249W	244	From 2012-11-05
Harry Jones Memorial, Binghamton	L58A	New York,U.S.A.	42.0447N	75.8502W	447	From 2013-07-03
Harsova	HARR	Romania	44.6900N	27.9310E	118	
Hartford	S47A	Kentucky,U.S.A.	37.5946N	86.8779W	181	From 2012-06-07
Hartford	HAR	Connecticut,U.S.A.	41.7500N	72.6833W		From 1947-01-01 to 1954-12-31
Hartland	HTL	England,United Kingdom	50.9944N	4.4850W	91	From 1981-05-01
HartRAO	HRAO	South Africa	25.8902S	27.6859E	1375	From 2014-10-01
Harts Bluff	HBF	South Carolina,U.S.A.	32.9331N	80.3777W	10	From 1973-03-23
Hartsel	Q23A	Colorado,U.S.A.	38.9045N	105.8337W	2774	From 2008-06-25 to 2010-06-16
Hartselle	X48A	Alabama,U.S.A.	34.4517N	87.0452W	180	From 2011-12-14
Harvey Farm, Monticello	S19A	Utah,U.S.A.	37.7459N	109.1366W	2059	From 2007-06-23 to 2009-03-06
Harwood	Q59A	Maryland,U.S.A.	38.8644N	76.6548W	34	From 2013-04-19
Hasanabad	IHSB	Iran	35.4378N	51.2757E	1119	From 1996-01-01
Hashikami	HSH	Iwate,Japan	40.4117N	141.5830E	355	
Hashim	HSHJ	Jordan	29.4210N	35.4000E	1100	From 1989-09-04
Hashtrud	IHSH	Iran	38.3067N	47.2630E	2805	From 1995-08-01
Haskell	Z32A	Texas,U.S.A.	33.3066N	99.4783W	427	From 2009-03-10 to 2011-02-10
Hasliberg/Brienz	HASLI	Switzerland	46.7568N	8.1512E	1280	From 1999-03-01
Hassan Addkhil	HAD	Morocco	31.9950N	4.4550W	1124	
Hassela	HASU	Sweden	62.1532N	16.6136E	100	From 2000-04-13
Hasselmere	SFH	England,United Kingdom	51.0604N	0.6912W	260	
Hastings	HAS	North Island,New Zealand	39.6382S	176.8385E	10	From 1931-02-01 to 1946-12-22
Hastings	HT-MN	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HT-	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings Reserve	HAST	California,U.S.A.	36.3887N	121.5514W	542	From 2004-07-19 to 2007-09-02
Hastings State Park	BHSM	California,U.S.A.	36.3558N	121.5400W	646	From 1975-09-04
Hata	HATH	Aomori,Japan	41.3011N	140.9643E	180	
Hatay	HTY	Turkey	36.1212N	36.1378E	84	
Hatay-Arsuz	ASUZ	Turkey	36.2917N	35.7847E	9	From 2015-04-10
Hatchie Coon Island	HCI	Arkansas,U.S.A.	35.6950N	90.3450W	67	
Hat Creek	LHCM	California,U.S.A.	40.8050N	121.5140W	1020	
Hat Creek Radio Observatory, Hat Creek	HATC	California,U.S.A.	40.8161N	121.4612W	1013	From 2005-05-19 to 2007-09-07
Hateruma jima	HATJ	Ryukyu Islands,Japan	24.0567N	123.8050E	15	From 1992-02-24
Hatgal	HTG	Mongolia	50.4600N	100.1700E	1680	
Hathaway	HAWT	Missouri,U.S.A.	36.2256N	89.6596W	81	
Hatillo	SDD06	Dominican Republic	19.0363N	70.2135W	240	
Hat Mesa	HTMS	New Mexico,U.S.A.	32.4725N	103.6340W	1192	From 1991-01-01
Hato, Curacao	HATO	Venezuela	12.1803N	68.9579W	40	From 2013-12-01
Hato Mayor	HTM1	Dominican Republic	18.7629N	69.2559W	130	
Hatta, Dubai	HATD	United Arab Emirates	24.8257N	56.1321E	340	From 2006-05-17
Hattaushi	HTUJ	Hokkaido,Japan	43.2050N	145.3288E	75	From 1997-04-09
Hattorf	HAT	Hessen,Germany	50.8297N	9.9442E	-592	From 1980-01-01
Haudompre	HAU	Lorraine,France	48.0056N	6.3481E	577	
Hauiti	HIZ	North Island,New Zealand	38.5129S	174.8557E	237	From 2004-02-03
Haukadalur	IHAU	Iceland	63.9690N	19.9650W	96	From 1989-12-08
Haulerwijk	HWF3	Netherlands	53.0710N	6.3512E	-143	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF4	Netherlands	53.0710N	6.3512E	-193	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF1	Netherlands	53.0710N	6.3512E	-43	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF	Netherlands	53.0718N	6.3516E	6	
Haulerwijk	HWF2	Netherlands	53.0710N	6.3512E	-93	From 2010-11-24 to 2010-11-24
Haus	N2B5	Norway	61.9220N	5.5850E	30	
Hausauer Farms, Kief	C28A	North Dakota,U.S.A.	47.7157N	100.3871W	524	From 2009-08-13 to 2011-06-29
Hausen	HSND	Baden-Wurttemberg,Germany	48.3042N	9.1938E	709	From 1982-01-01
Hauterive	HTQ	Quebec,Canada	49.1917N	68.3939W	123	From 1982-04-15
Havelock	HVLK	Andaman Islands,India	12.0090N	92.9640E	60	From 2012-01-01
Havelock North	HNZ	North Island,New Zealand	39.6699S	176.8852E	18	From 1947-03-01 to 1953-03-31
Havelock North	HNHZ	North Island,New Zealand	39.6635S	176.8814E	10	From 1989-08-05 to 1997-08-04
Havelock Quarry	HKNB	New Brunswick,Canada	45.9783N	65.3801W	164	From 2013-09-05
Haverah Park	HPK	England,United Kingdom	53.9581N	1.6241W	227	From 1978-01-01
Haverstraw	HAVE	New York,U.S.A.	41.2325N	74.1113W	268	
Havilah	WHVM	California,U.S.A.	35.5099N	118.5190W	971	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Havilah	HAV	California,U.S.A.	35.5100N	118.5170W	990	From 1952-07-01 to 1952-09-04
Havirov	HAVC	Czech Republic	49.7630N	18.4770E	0	
Havre	HV-	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havre	HV-MA	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havza	HAVZ	Turkey	41.0743N	35.7180E	575	From 2008-12-04
Hawaii-2 Observatory	H2O	North Pacific Ocean	27.8819N	141.9917W	-4947	
HawaiianBeaches	HBH	Hawaii,U.S.A.	19.5315N	154.8980W	92	
Hawaiian Volcano	HVO	Hawaii,U.S.A.	19.4211N	155.2930W	1240	From 1912-01-01
HAWAII INFRASONIC ARRAY REFERENCE POINT	I59US	Hawaii,U.S.A.	19.5915N	155.8936W	1076	From 2001-02-20
Hawaii Institute of Geophysics	HIG	Hawaii,U.S.A.	21.2847N	157.8190W	18	From 1964-05-01
Hawaii Isl. Ar.	HW-IS	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Isl. Ar.	HW-	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Preparatory Academy	HPAH	Hawaii,U.S.A.	20.0303N	155.6973W	755	
Haweek	HAWK	Syria	34.5211N	36.4055E	1000	From 1995-09-01
Hawker	HKER	South Australia,Australia	31.7642S	138.5524E	440	
Hawkesdale P12 School	AUHPC	Victoria,Australia	38.1100S	142.3200E	11	From 2013-05-18
Hawksbury Island	HWKB	British Columbia,Canada	53.5984N	129.1544W	778	From 2014-08-21
Hawk's Nest	HWKN	South Australia,Australia	29.9578S	135.2035E	180	From 1981-06-22
Hawks Nest	HKN	South Australia,Australia	30.0117S	135.1867E	171	
Hawk Springs	HK-WY	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk Springs	HK-	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawqa	HWQ	Lebanon	34.2780N	35.9463E	1161	From 2001-02-01
HAYA	HAYA	Costa Rica	9.9801N	83.8428W	3245	
Hayfield	HAY	California,U.S.A.	33.7074N	115.6839W	413	From 1956-06-20
Hayfork Bally	KHBM	California,U.S.A.	40.6602N	123.2190W	1885	
Hayirsizada Cinnet	HYRS	Turkey	40.7900N	29.2617E	0	From 2009-01-01
Hayseed and Buckwheat Dairy Farm	HBDB	British Columbia,Canada	49.1697N	122.2135W	6	
Hay Springs	HS-	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Hay Springs	HS-NB	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Haystack Butte	HYS	California,U.S.A.	34.8638N	117.5690W	867	
Haystack Fork	HAYW	Wyoming,U.S.A.	43.6396N	110.3320W	2835	From 1990-09-01 to 2007-08-07
Haystack Lookout	HTW	Washington,U.S.A.	47.8035N	121.7690W	829	From 1975-06-11
Hayter Ranch, Fort Stockton	427A	Texas,U.S.A.	30.8498N	103.4018W	1031	From 2008-03-16 to 2010-02-12
Hayti	HATI	Missouri,U.S.A.	36.1770N	89.6760W	83	
Hazelwood Elementary School	RHAZ	Washington,U.S.A.	47.5405N	122.1857W	10	
Hazlehurst	255A	Georgia,U.S.A.	31.9263N	82.4758W	45	From 2012-04-04
Headley	HEA	England,United Kingdom	51.3583N	1.2639W	114	
Headquarters	HDQ	Colorado,U.S.A.	39.5583N	105.0790W	1683	From 1973-01-01 to 1976-11-30
Healdsburg	NHBM	California,U.S.A.	38.5893N	122.9090W	165	From 1975-02-21
Heard Island	HII	Heard Island,Australia	53.0200S	73.3850E	10	
Hearst Castle	PHCM	California,U.S.A.	35.6822N	121.1530W	514	
Hebbronville	034A	Texas,U.S.A.	27.0647N	98.6833W	155	From 2010-01-08 to 2011-11-17
Heber	HEB	Utah,U.S.A.	40.5015N	111.3358W	1925	
Heber	HR-	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HR-AZ	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Hebgen Lake	YHL	Montana,U.S.A.	44.8509N	111.1830W	2691	From 2011-09-02
Hebgen Ridge	YPHR	Idaho,U.S.A.	44.8523N	111.3160W	2060	
Hebron	O33A	Nebraska,U.S.A.	40.0755N	97.5845W	480	From 2010-05-19 to 2012-04-18
Hecla	F31A	South Dakota,U.S.A.	45.8598N	98.2525W	412	From 2010-09-07 to 2012-06-07
Hector,Ludlow	HEC	California,U.S.A.	34.8294N	116.3350W	920	From 1997-08-01
Heda	HDAN	Shizuoka,Japan	34.9620N	138.8201E	250	
Heda	HEDN	Shizuoka,Japan	34.9591N	138.8126E	160	
Hedekas	HED	Sweden	58.6800N	11.7780E	78	From 1980-01-01 to 1991-12-31
Heerlen	HEE	Netherlands	50.8850N	5.9817E	115	From 1926-04-18 to 1981-01-01
Heflinger Ranch	PHFM	California,U.S.A.	35.8816N	120.4016W	457	
Hefner Road	OK003	Oklahoma,U.S.A.	35.5493N	97.3358W	354	
Hegura jima	JHG	Ishikawa,Japan	37.8483N	136.9200E	12	
Heguri	JHE	Nara,Japan	34.6535N	135.6850E	260	
Hehuan Shan	WHF	Taiwan region	24.1450N	121.2650E	3395	
Heidelberg (Koenigstuhl)	HEI	Baden-Wurttemberg,Germany	49.3991N	8.7274E	560	From 1959-01-01
Heidenheim-Charlottenhoehle	HDH	Baden-Wurttemberg,Germany	48.5843N	10.2070E	501	From 1996-01-01
Heiheiahulu	HUL	Hawaii,U.S.A.	19.4188N	154.9790W	369	
Heiheiahulu Digital	HULD	Hawaii,U.S.A.	19.4160N	154.9750W	368	
Heimansgroeve	HGN	Netherlands	50.7640N	5.9317E	135	From 1993-03-01
Heimerzheim	BA15	Nordrhein-Westfalen,Germany	50.7117N	6.9275E	157	From 2006-10-01
Heinrich-Robert Mine	HRH	Nordrhein-Westfalen,Germany	51.6234N	7.7527E	-888	
Heinsberg	BA13	Nordrhein-Westfalen,Germany	51.0707N	6.0753E	42	From 2006-10-01
Heioarbar	IHEI	Iceland	64.2000N	21.2360W	162	From 1989-12-13
Hejung	EHC	Taiwan region	24.2680N	121.7330E	11	
Hel	PHL	Poland	54.6080N	18.8170E	1	
Helez	HLZ	Israel	31.6000N	34.6400E	100	
Helfaut	HELF	Nord-Pas-de-Calais	50.7050N	2.2400E	47	From 2014-01-01
Helgoland	HLG	Schleswig-Holstein,Germany	54.1847N	7.8839E	41	
Hella	IHLA	Iceland	65.9440N	18.3870W	37	From 1995-02-01
Hells Half Acre	HHAI	Idaho,U.S.A.	43.2950N	112.3790W	1391	
Helmville	HLM	Montana,U.S.A.	46.8894N	112.9330W	1365	From 1974-09-03 to 1976-10-04
Helsinki	HEL	Finland	60.1756N	24.9570E	20	
Helvecia	HSFA	Santa Fe,Argentina	31.1028S	60.1108W	90	
Helwan	HLW	Egypt	29.8583N	31.3417E	135	From 1903-01-01
Hemet	HMTC	California,U.S.A.	33.7088N	117.0039W	582	
Hempstead	HE-TX	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hempstead	HE-	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hemsoen	HEMU	Sweden	62.6760N	18.0359E	100	From 2000-04-13
Hendek	HENT	Turkey	40.8231N	30.8992E	583	
Henderson Mound	HENM	Missouri,U.S.A.	36.7160N	89.4717W	88	
Hengchuen, Pingtung county	TSEB	Taiwan region	21.9000N	120.9000E	0	From 2005-01-01
Hengchun	TWKBT	Taiwan region	21.9406N	120.8125E	90	From 1996-03-21
Hengchun	HEN	Taiwan region	22.0055N	120.7381E	22	
Hengchun	TWK1	Taiwan region	21.9433N	120.8053E	90	From 1978-01-15
Heniu Mare	HNM	Romania	47.2775N	24.7339E	1580	From 1982-09-01 to 1989-01-01
Henniker	J62A	New Hampshire,U.S.A.	43.2262N	71.8127W	266	From 2013-09-07
Henry Mountain	HMU	Utah,U.S.A.	37.9380N	110.7418W	2430	From 2005-11-17
Heoinshofoi	IHED	Iceland	66.0810N	17.3100W	75	From 2000-09-25
Hepburn Lake, NWT	HPLN	Northwest Territories,Canada	66.3485N	115.3232W	479	From 2009-07-16
Heping	ST25	Xizang Zizhiqu,China	32.5373N	88.9403E	4601	From 1998-07-26 to 1999-01-16
Heping Village	EHP	Taiwan region	24.3100N	121.7410E	200	From 2001-05-01
Hepp	HPP	Alaska,U.S.A.	64.7905N	147.9590W	170	From 1971-11-09 to 1976-06-30
Herakleio	HRKL	Crete,Greece	35.3115N	25.1017E	90	From 2013-03-09
Herakleio	HER1	Crete,Greece	35.3172N	25.1021E	60	From 2012-10-15
Herakleio	HER2	Crete,Greece	35.3379N	25.1355E	36	From 2012-09-15
Herakleio	HER3	Crete,Greece	35.3296N	25.1065E	5	From 2012-09-15
Heraklion	IACM	Crete,Greece	35.3058N	25.0709E	43	From 2009-11-28
Herat	HRA	Afghanistan	34.3868N	62.2438E	1917	From 2012-12-12
Herceg Novi	HCY	Montenegro	42.4473N	18.4938E	321	From 1983-12-25
Herculane	HERR	Romania	44.8810N	22.4160E	246	From 2011-01-11
Hercules	HERB	California,U.S.A.	38.0124N	122.2622W	-18	
Herd Peak	LHEM	California,U.S.A.	41.6285N	122.2190W	2155	From 1981-01-15
Heredia	HDC	Costa Rica	10.0013N	84.1140W	1150	From 1984-03-17
Heredia 2	HDC2	Costa Rica	10.0237N	84.1167W	1220	From 1985-01-01
Heredia 3	HDC3	Costa Rica	10.0021N	84.1114W	1175	
Heredia 4	HDC4	Costa Rica	10.0020N	84.1113W	1175	
Hereke	HRT	Turkey	40.8217N	29.6680E	645	From 1980-01-01
Hereke-Izmit	HRTX	Turkey	40.8010N	29.6730E	573	From 2011-10-01
Heris	IHRS	Iran	38.3183N	47.0420E	2100	From 1995-08-01
Herkenbosch	HKB	Netherlands	51.1889N	6.1684E	74	
Hermanus	HER	Cape Province,South Africa	34.4250S	19.2250E	26	
Hermiston	HRO	Oregon,U.S.A.	45.8357N	119.3810W	172	
Hernandez Reservoir, Idria	U04C	California,U.S.A.	36.3627N	120.7828W	812	From 2004-12-05 to 2007-12-11
Hernandez Valley	PHRM	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernandez Valley	HVC	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernando Brdge	HDBT	Tennessee,U.S.A.	35.1534N	90.0581W	66	
Herne Bay Borehole	HBAZ	North Island,New Zealand	36.8501S	174.7304E	-44	From 2009-08-06
Heron Place, Grans Saline	137A	Texas,U.S.A.	32.5973N	95.7559W	141	From 2010-02-24 to 2012-01-22
Herstmonceux	HMNX	England,United Kingdom	50.8674N	0.3363E	26	From 2009-05-16
Hesperia	PHSM	California,U.S.A.	35.8238N	121.0538W	451	
Hesperia Broadband	PHSB	California,U.S.A.	35.8240N	121.0539W	475	
Hetta	HEF	Finland	68.4080N	23.6600E	380	From 2006-11-01
Heukewalde	HKWD	Thuringen,Germany	50.8298N	12.2681E	317	From 2008-05-06
Heuksando	KSHUK	Republic of Korea	34.6838N	125.4518E	79	From 1999-04-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Heuksan-myeon	HUK2	Republic of Korea	34.6871N	125.4504E	95	From 2011-12-19
Hexham	HEXM	Victoria,Australia	37.9280S	142.7780E	220	
Heybeliada	HYBL	Turkey	40.8680N	29.0816E	32	From 2011-04-21
Heybeliada-Istanbul	HYBA	Turkey	40.8754N	29.0854E	65	From 2012-09-12
Heyderabad	HYR	Azerbaijan	39.7190N	44.8520E	848	From 2011-11-30
Hiawatha	HWK	Kansas,U.S.A.	39.8022N	95.4965W	320	From 1978-10-05 to 2001-07-15
Hibok Hibok	VHH	Mindanao,Philippines	9.2330N	124.6720E	250	From 1993-01-01
Hickman	HICK	Kentucky,U.S.A.	36.5409N	89.2288W	141	
Hickory Valley	W45A	Tennessee,U.S.A.	35.1568N	89.1860W	187	From 2011-05-17 to 2013-03-07
Hicks Bay	HBZ	North Island,New Zealand	37.5974S	178.3015E	100	From 1985-06-28 to 2004-03-02
Hicks Ranch, Ibapah	O13A	Utah,U.S.A.	40.1314N	113.9814W	1573	From 2007-02-21 to 2008-09-01
Hidaka	HDK	Wakayama,Japan	33.9259N	135.1390E	30	From 1965-01-01 to 1974-04-03
Hidaka-Cho	HIC	Hidaka,Japan	42.8915N	142.4573E	330	From 1976-07-01
Hidakashinhidaka	JSHD	Hokkaido,Japan	42.4098N	142.4667E	79	From 2012-07-01
Hidalgo Marine Base	HDB	California,U.S.A.	34.4008N	116.2874W	875	
Hidalgo Mountain	HDG	California,U.S.A.	34.4289N	116.3058W	1302	From 1974-04-01 to 2010-04-28
Hidden Bay	AD4	Alaska,U.S.A.	51.6986N	176.6320W	213	From 1974-01-01 to 1992-02-01
Hidden Dam	MHDM	California,U.S.A.	37.1171N	119.8950W	147	
Hidden Lake	HKP	Pennsylvania,U.S.A.	41.0382N	75.0617W	337	From 1973-02-01 to 1974-07-31
Hierbabuena	HIER	Ecuador	2.7200S	79.4200W	2800	
Hierro	EHRO	Spain	27.7535N	18.1106W	135	
Higginbotham Farm, Almira	C08A	Washington,U.S.A.	47.7849N	119.0454W	783	From 2006-09-21 to 2008-05-14
Highclere	BDH	Barbados	13.2030N	59.5890W	308	From 1978-11-19
Highcliff Hill	HHSZ	South Island,New Zealand	45.8843S	170.5978E	375	From 2006-04-08 to 2008-06-26
High Heaven	VHHM	Oregon,U.S.A.	45.2647N	123.3090W	533	
High Hole Crater	LHHM	California,U.S.A.	41.5228N	121.5325W	1890	
High Hoyland	HHWY	England,United Kingdom	53.5867N	1.5974W	205	
Highland	HLNC	California,U.S.A.	34.1213N	117.2190W	236	
Highland Ranch	HLR	Colorado,U.S.A.	39.5372N	104.9740W	1782	From 1973-01-01 to 1976-11-30
Highland Springs	GHLM	California,U.S.A.	39.0405N	123.0190W	956	From 1975-06-01
Highlands Station	HLRZ	North Island,New Zealand	38.2519S	176.3522E	576	From 2008-12-03
High Level	HILA	Alberta,Canada	58.5561N	117.0203W	329	From 2009-10-19
Highline Community College ANSS-SMO	HICC	Washington,U.S.A.	47.3899N	122.2991W	115	From 2001-06-27
High Valley	GHVM	California,U.S.A.	39.0850N	122.7340W	1036	
Higuera	EHIG	Spain	28.5567N	17.8062W	845	
Higuey	HGY1	Dominican Republic	18.5930N	68.7169W	141	From 2011-11-13
Hikami	HMTD	Hyogo,Japan	35.2265N	135.0435E	250	
Hikimi	JHIK	Shimane,Japan	34.5313N	131.9292E	350	From 1997-12-01
Hikinohira	HIKD	Kagoshima,Japan	31.5803N	130.6439E	550	
Hikone	HIK	Shiga,Japan	35.2733N	136.2470E	87	
Hile	HILE	Nepal	27.0482N	87.3242E	2088	From 2002-05-31 to 2002-12-30
Hilina Pali	HLP	Hawaii,U.S.A.	19.2960N	155.3080W	707	From 1970-09-01
Hill Air Force Base, Hill AFB, UT, USA	HAFB	Utah,U.S.A.	41.1179N	111.9759W	1471	From 2012-05-03
Hillesheim	HILG	Rheinland-Pfalz,Germany	50.2918N	6.6788E	500	From 1998-01-01
Hilliard	456A	Florida,U.S.A.	30.7248N	82.0223W	26	From 2012-02-04
Hillman	G47A	Michigan,U.S.A.	45.1730N	83.8551W	239	From 2012-11-11
Hillsboro	R51A	Kentucky,U.S.A.	38.3001N	83.5834W	231	From 2012-06-27
Hillsdale 1, Hillsdale	L61A	New York,U.S.A.	42.1934N	73.5543W	275	From 2013-09-14
Hill Springs, Alberta	HSPGA	Alberta,Canada	49.3593N	113.6523W	1154	From 2014-07-31
Hilltop Ranch, Iowa Park	Y33A	Texas,U.S.A.	34.0081N	98.6256W	321	From 2009-11-08 to 2011-09-07
Hilo	HIL	Hawaii,U.S.A.	19.7178N	155.0878W	26	From 1922-01-01 to 2000-11-09
Hilton	J55A	New York,U.S.A.	43.2657N	77.8167W	97	From 2012-12-12
Hilton Creek	HTCR	California,U.S.A.	37.5298N	118.7710W	3012	From 1984-07-19
Himara	HIMA	Albania	40.0889N	19.7582E	139	From 2014-12-19
Himeji	HIM	Hyogo,Japan	34.8367N	134.6733E	39	
Himekami	HMK	Iwate,Japan	39.8483N	141.2467E	586	
Hinai	JAH	Akita,Japan	40.1887N	140.6358E	140	
Hinchinbrook Island	HIN	Alaska,U.S.A.	60.3968N	146.5020W	611	From 1974-10-03
Hinckley	HKM	Maine,U.S.A.	44.6564N	69.6408W	79	
Hindmarsh Valley	HMV1	South Australia,Australia	35.4903S	138.6369E	95	From 2008-12-28
Hinemaiaia	HATZ	North Island,New Zealand	38.8908S	176.0921E	506	From 1985-05-01
Hines	J07A	Oregon,U.S.A.	43.3736N	119.3105W	1273	From 2006-06-20 to 2008-04-04
Hinesburg	HBVT	Vermont,U.S.A.	44.3623N	73.0650W	342	
Hingarae	HITZ	North Island,New Zealand	38.7069S	175.7665E	458	From 1984-12-01 to 1991-06-21
Hinohara	HHR	Tokyo,Japan	35.7353N	139.0764E	595	
Hino-misaki	HNMJ	Wakayama,Japan	33.8811N	135.0661E	191	
Hinrichs Farm, Grantsburg	F37A	Wisconsin,U.S.A.	45.7243N	92.6264W	296	From 2011-08-28 to 2013-07-10
Hinsdale	L55A	New York,U.S.A.	42.1831N	78.4368W	633	From 2013-01-24
Hinteralfeld	HINF	Lorraine,France	47.8167N	6.8531E	720	From 1996-04-03
Hinton	HWV	West Virginia,U.S.A.	37.5906N	80.8408W	521	From 1978-04-01 to 1998-12-31
Hinze Dam	HINZ	Queensland,Australia	28.0511S	153.2807E	140	
Hiratsu	HRTT	Yamagata,Japan	39.0100N	139.9400E	40	
Hirodai	HRD	Aomori,Japan	40.5842N	140.4773E	50	
Hirogawara	HRG	Shizuoka,Japan	35.1584N	139.0586E	285	
Hiroka	JHK	Fukushima,Japan	37.2483N	139.0170E	195	From 1994-04-01
Hiroo	HOO	Tokachi,Japan	42.2917N	143.3200E	32	
Hiroo 2	HOOJ	Tokachi,Japan	42.3833N	143.2870E	-1	
Hirosakihyakuzawa	JHHS	Aomori,Japan	40.6518N	140.3590E	220	From 2012-07-01
Hiroshima	HIR	Hiroshima,Japan	34.3633N	132.4370E	30	From 1935-01-01
Hiroshima	HIR1	Hiroshima,Japan	34.3950N	132.4650E	-4	From 1987-12-23
Hiroshima 2	HIRJ	Hiroshima,Japan	34.4283N	132.5650E	412	From 1988-03-22
Hirz Mountain	LHMM	California,U.S.A.	40.8968N	122.2450W	1064	
Hisarcik	HIS	Turkey	40.4687N	29.9313E	970	From 1993-01-01
Hisarkoy	HSY	Cyprus	35.1734N	33.0552E	257	From 2005-05-11
Hitachi	JHO	Tochigi,Japan	36.6108N	140.5690E	215	From 1995-04-01
Hitachinakayamanoue	JHYU	Ibaraki,Japan	36.3405N	140.5868E	20	From 2012-07-01
Hittiya	HITJ	Jordan	29.7430N	35.8410E	1235	From 1989-10-29
Hiyama	JHY	Hiyama,Japan	41.6777N	140.0573E	30	
Hiyamasetana	JHST	Hokkaido,Japan	42.4225N	139.8767E	20	From 2012-07-01
HIZO	HIZO	Bolivia	19.6064S	68.3233W	3688	From 1994-05-30 to 1995-08-08
Hjoernedal	HJO	Greenland	70.3520N	28.1640W	40	From 2000-08-15 to 2002-08-12
H. Mason	HMO	Oregon,U.S.A.	45.5381N	122.5720W	64	From 1975-01-01
Hnaberd	HNAZ	Armenia	40.6330N	44.1440E	2150	
Hlnxe	BZER	Nordrhein-Westfalen,Germany	51.6207N	6.8695E	51	From 2004-12-08
Ho	HOGH	Ghana	6.6092N	0.4450E	372	From 1987-01-01
Hoa Binh	HBV2	Vietnam	20.7962N	105.3387E	80	
Hoa-Binh	HBVN	Vietnam	20.8259N	105.3520E	30	From 1979-07-27
Hoadley Peaks	LHOM	California,U.S.A.	40.6852N	122.7500W	1378	
Hoarfrost River	HFRN	Northwest Territories,Canada	62.8617N	109.2777W	153	From 2011-07-12
Hobart	HB-OK	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobart	FNT	Tasmania,Australia	42.9265S	147.3540E	184	From 1957-01-01 to 1962-12-31
HOBART INFRASONIC ARRAY REFERENCE POINT	I05AU	Tasmania,Australia	42.4908S	147.6806E	350	From 2003-03-29
Hobart Mills	HBT	California,U.S.A.	39.4267N	120.1630W	1804	From 1973-04-01
Hobart Mills	HBM	California,U.S.A.	39.4017N	120.1530W	1804	From 1970-03-24 to 1973-04-30
Hobart (Okla)	HB-	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobbs	HHAR	Arkansas,U.S.A.	36.2817N	93.9399W	421	
Hochheid	FSH	Rheinland-Pfalz,Germany	50.0763N	7.1087E	350	
Hochneukirch	BD09	Nordrhein-Westfalen,Germany	51.0963N	6.4650E	88	From 2001-01-01
Hockley	HKT	Texas,U.S.A.	29.9500N	95.8333W	-415	From 1973-06-01
Hodge	HOD	California,U.S.A.	34.8389N	117.2475W	807	
Hodges	HODGE	South Carolina,U.S.A.	34.2315N	82.2586W	150	
Hodges Ranch	BHRM	California,U.S.A.	36.7278N	121.2640W	213	
Hof	HOF	Bayern,Germany	50.3136N	11.8775E	566	From 1909-01-01 to 2004-08-13
Hoffart Farm, Langdon	A30A	North Dakota,U.S.A.	48.9402N	98.3009W	484	From 2009-08-19 to 2011-07-15
Hoffen	HOFF	Alsace,France	48.9417N	7.9639E	150	
Hogan Spring (BLM), Cisco	Q19A	Utah,U.S.A.	38.9553N	109.2630W	1283	From 2007-06-14 to 2009-04-26
Hogback Mountain	HOG	Oregon,U.S.A.	42.2424N	121.7057W	1887	
Hogback Ridge	GHGM	California,U.S.A.	39.1283N	122.8250W	903	From 1975-04-18
Hog Canyon	PHGM	California,U.S.A.	35.8760N	120.4840W	792	
Hoggard's Bluff	HOGG	Arkansas,U.S.A.	35.2216N	92.2410W	133	From 1985-08-01
Hogget Hill	HHP	South Island,New Zealand	44.3259S	170.3456E	490	From 1975-06-18 to 1983-11-21
Hogsback Ridge	HRU	Utah,U.S.A.	40.7862N	111.8848W	1640	
Hohbusch	HOBG	Nordrhein-Westfalen,Germany	50.9835N	7.3338E	270	From 1996-03-01
Hohenheim	HOH	Baden-Wurttemberg,Germany	48.7167N	9.2167E	396	From 1903-01-01 to 1934-01-31
Hohentengen	HTN	Baden-Wurttemberg,Germany	48.0293N	9.3784E	571	From 1984-01-01
Hohenwarte Talsperre	HWTS	Thuringen,Germany	50.5923N	11.4723E	555	From 2009-11-01
Hohe Rhon--Flad	HROE	Bayern,Germany	50.5366N	10.1574E	569	From 2002-12-10
Hohkeppel	HOK	Nordrhein-Westfalen,Germany	50.9803N	7.3122E	230	From 1976-06-01 to 1994-12-01
Hoima	HOI	Uganda	1.4180N	31.3420E	1094	From 1991-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hokigiyama	HOKE	Yamanashi,Japan	34.8488N	139.0413E	900	
Hokkaido University	HSS	Ishikari,Japan	42.9647N	141.2320E	215	
Hokoriku	HKJ	Fukui,Japan	35.9375N	136.2125E	20	
Hokuryu	JHR	Sorachi,Japan	43.7430N	141.7248E	195	
Holberg	HOLB	British Columbia,Canada	50.6405N	128.1320W	564	From 1991-08-01
Holcombe	G39A	Wisconsin,U.S.A.	45.2867N	91.1698W	350	From 2011-08-15 to 2013-11-13
Holcomb Ridge	HOLC	California,U.S.A.	34.4582N	117.8451W	1160	
Holdsworth Station	HOWZ	North Island,New Zealand	40.8973S	175.5151E	475	From 2007-02-22
Hole	HLX	Nevada,U.S.A.	39.9337N	117.6632W	1219	
Holguin	HOL	Cuba	20.8940N	76.2630W	350	
Holguin	HLGC	Cuba	20.8900N	76.0600W	350	From 1999-09-01
Holladay	V46A	Tennessee,U.S.A.	35.8007N	88.1177W	162	From 2012-01-13
Holladay Fire Station, Holladay, Utah	HFSU	Utah,U.S.A.	40.6702N	111.8257W	1344	From 2010-08-17
Holland Mills	HMC	Quebec,Canada	45.7583N	75.6483W	175	
Holland Ranch, Erick	W31A	Oklahoma,U.S.A.	35.1864N	99.9435W	644	From 2009-03-22 to 2011-02-14
Holland Ranch, North Fork	M11A	Nevada,U.S.A.	41.4311N	115.7912W	1849	From 2006-05-06 to 2008-08-11
Hollywood	HWD	South Carolina,U.S.A.	32.7388N	80.2835W	9	
Hollywood	158A	South Carolina,U.S.A.	32.7364N	80.1935W	12	From 2013-02-24
Holman	HMNT	Northwest Territories,Canada	70.7631N	117.8058W	36	
Holmes Hill	YHH	Wyoming,U.S.A.	44.7883N	110.8505W	2717	
Holmets	HOLU	Ukraine	48.5270N	22.3840E	134	
Holmfirth	LHO	England,United Kingdom	53.5451N	1.8548W	460	From 1991-01-01
Holstrom Ranch	JHLM	California,U.S.A.	37.1090N	121.8332W	908	From 1975-10-02
Holt	HLT	Alabama,U.S.A.	33.2223N	87.5077W	95	
Holter Research Foundation--Helena	HRF	Montana,U.S.A.	46.5943N	112.0440W	1256	
Holter Research Foundation--York Bridge	HRY	Montana,U.S.A.	46.7113N	111.8310W	1341	From 1980-11-08
Holt Ranch, Enterprise	S13A	Utah,U.S.A.	37.5808N	113.8604W	1698	From 2007-02-15 to 2008-10-09
Holy Cross	HCC	California,U.S.A.	36.9814N	121.7220W	159	From 1967-05-02 to 1975-10-12
Holy Mount Cemetery	HMCY	New York,U.S.A.	40.9648N	73.8032W	245	From 1985-12-01
Holy Rosary School	HOLY	Washington,U.S.A.	47.5654N	122.3839W	106	
Homack Ranch, Wilcox	118A	Arizona,U.S.A.	32.6399N	109.9697W	1440	From 2007-04-05 to 2009-01-21
Homborsund	HOMB	Norway	58.2702N	8.5052E	21	From 2008-11-20
Homer	HOM	Alaska,U.S.A.	59.6583N	151.6430W	198	From 1976-08-01
Homestead Farm, Martinsburg	P57A	West Virginia,U.S.A.	39.4835N	78.0126W	191	From 2013-05-21
Homestead National Monument	HMN	Nebraska,U.S.A.	40.2864N	96.8356W	368	From 1979-03-10 to 2001-07-15
Homyel'	NE57	Belarus	52.6030N	31.0810E	129	
Honcut	OHCM	California,U.S.A.	39.3357N	121.4840W	79	From 1975-08-05
Hondo	JHD	Kumamoto,Japan	32.4650N	130.1368E	70	
Hondo	HONK	Kumamoto,Japan	32.8761N	131.0780E	1167	
Honeyville	HONU	Utah,U.S.A.	41.6100N	111.9170W	1515	From 1989-06-13
Hong Kong Observatory	HKC	Hong Kong,China	22.3020N	114.1743E	27	From 1921-10-01
Hong Kong Po Shan	HKPS	Hong Kong,China	22.2776N	114.1415E	196	From 2009-10-01
Hongo	HGJ	Tokyo,Japan	35.7156N	139.7630E	19	From 1965-05-01
Hongo	HNG	Tokyo,Japan	35.7111N	139.7660E	18	
Honiara	HNR	Solomon Islands,Papua New Guinea	9.4316S	159.9470E	72	From 1960-10-01
Honjo	HJH	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honjo	HJY	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honolulu	HON	Hawaii,U.S.A.	21.3242N	158.0010W	2	From 1902-01-01
Honolulu	HNL	Hawaii,U.S.A.	21.3583N	157.8100W	243	From 1964-05-01 to 1974-12-31
Honuapo	HPO	Hawaii,U.S.A.	19.0889N	155.5540W	15	
Hood Meadows East	VHEM	Oregon,U.S.A.	45.3287N	121.6740W	1739	
Hoodsport	HDW	Washington,U.S.A.	47.6485N	123.0540W	1006	
Hope	HOPB	British Columbia,Canada	49.3873N	121.4205W	248	
Hope	HOJ	Jamaica	18.0045N	76.7494W	179	From 1965-08-21
Hope Bay	HOP	Jamaica	18.0220N	76.7500W	200	From 1961-11-01 to 1965-06-30
Hopedale	HDIL	Illinois,U.S.A.	40.5559N	89.2940W	219	From 2006-08-24
Hopen	HOPEN	Svalbard,Norway	76.5100N	25.0100E	25	From 2004-09-01
Hope Point	HOPE	South Georgia Islands	54.2836S	36.4879W	20	
Hope Ranch	PHPM	California,U.S.A.	35.9805N	120.6068W	548	
Hopewell Church	IP05	Virginia,U.S.A.	37.8303N	77.7557W	108	
Hopland Field Station, Hopland	HOPS	California,U.S.A.	38.9935N	123.0723W	299	From 1994-10-20
Hopovo Monastery	HOPOS	Serbia	45.1351N	19.8354E	310	From 2004-01-28
Hopper	HOPT	Tennessee,U.S.A.	36.3270N	89.4717W	125	
Hoqain	HOQ	Oman	23.5824N	57.3109E	350	From 2001-07-01
Horasan	HOMI	Turkey	40.0452N	41.9055E	2174	From 2006-09-18
Horco Molle	AHML	Tucuman,Argentina	26.7847S	65.3345W	670	From 1992-09-01
Horem	BA06	Nordrhein-Westfalen,Germany	50.9196N	6.7052E	73	From 2006-10-01
Hornachuelos	EHOR	Spain	37.8231N	5.2481W	160	From 1985-05-01
Hornachuelos	HORN	Spain	37.8466N	5.2582W	268	
Horndal	HRN	Sweden	60.2500N	16.4860E		From 1980-01-01
Hornillas	HORNC	Costa Rica	10.7125N	85.1783W	807	From 2000-01-01
Hornopire@15n	HOCH	Chile	41.9072S	72.4081W	165	
Hornsund	HSP	Svalbard,Norway	77.0082N	15.5504E		
Hornsund (broadband)	HSPB	Svalbard,Norway	77.0019N	15.5332E	10	
Horodok	HORU	Ukraine	49.2138N	26.4263E	340	From 2001-02-19
Horoka	HRK	Hokkaido,Japan	43.4663N	143.1287E	695	
Horominai	HORH	Iburi,Japan	42.4765N	140.9167E	235	
Horqueta	HOQC	Colombia	3.4680N	76.6337W	2220	From 1987-01-01
Horse Butte	YHB	Idaho,U.S.A.	44.7512N	111.1952W	2157	
Horse Canyon	HCU	Utah,U.S.A.	39.4883N	110.3450W	2134	From 1962-01-01 to 1977-03-31
Horsefly Mountain	VHYM	Oregon,U.S.A.	42.2645N	121.0490W	1932	
Horse Heaven Hills	HHH	Washington,U.S.A.	46.1717N	119.3840W	490	From 1987-03-01
Horse Mountain	KHMM	California,U.S.A.	40.8747N	123.7310W	1509	
Horse Pasture	SHEL	Saint Helena	15.9588S	5.7457W	537	From 1995-06-19
Horseshoe Bay	HBC	British Columbia,Canada	49.3775N	123.2760W		From 1951-01-01 to 1960-04-30
Horseshoe Beach	655A	Florida,U.S.A.	29.5107N	83.2552W	6	From 2012-02-15
Horse Springs, Datil	Y20A	New Mexico,U.S.A.	33.9085N	108.3769W	2177	From 2008-02-10 to 2009-12-06
Horse Wrangler Ranch, Akron	O26A	Colorado,U.S.A.	40.2422N	103.3128W	1413	From 2008-11-20 to 2010-10-13
Horta	HOR	Azores,Portugal	38.5267N	28.6300W	60	
Horta de San Juan	ERTA	Spain	40.9567N	0.3335E	547	
Hortiatis	HORT	Greece	40.5978N	23.0996E	933	From 2006-07-12
Horyu	HRJ	Ishikawa,Japan	37.3994N	137.1360E	275	
Hoseineyeh	IHOS	Iran	32.6793N	48.2365E	0	From 1998-01-01
Hoshina	HSJ	Nagano,Japan	36.5841N	138.2740E	490	From 1968-07-21
Hoskins	DAW	New Britain,Papua New Guinea	5.5500S	150.4670E	250	From 1969-11-02 to 1970-12-31
Hoskins	L33A	Nebraska,U.S.A.	42.1659N	97.2724W	556	From 2010-06-18 to 2012-04-30
Hososhima	JMH	Miyazaki,Japan	32.5717N	131.5883E	60	
Hossack Road	HSRZ	North Island,New Zealand	38.3113S	176.2449E	411	From 2010-04-13
Hot Caves	HTC	Hawaii,U.S.A.	19.2374N	155.3976W	381	
Hot Creek Range	HCR	Nevada,U.S.A.	38.2339N	116.4357W	2058	
Hotel Espejo de Luna	LL07	Los Lagos	42.8324S	73.4779W	53	From 2015-02-03
Hotel Rinc˙ţn de la Vieja Lodge	GPS2	Costa Rica	10.7525N	85.3520W	676	From 2000-01-01
Hotokeiwa	HTK	Nagano,Japan	36.3769N	138.5397E	1462	
Hot Spot	HSW	Washington,U.S.A.	46.5295N	119.5550W	217	From 1970-06-01 to 1971-10-31
Hotspring	HG4B	British Columbia,Canada	52.2931N	131.1975W	331	From 2012-11-10
Hotspring	HG3B	British Columbia,Canada	52.5766N	131.4435W	10	From 2012-11-13
Hot Springs	C13A	Montana,U.S.A.	47.6795N	114.5735W	976	From 2006-09-21 to 2009-08-04
Hot Springs Basin	YPHS	Wyoming,U.S.A.	44.7556N	110.3540W	2621	
Hot Springs Mountain	HOT	California,U.S.A.	33.3144N	116.5824W	1934	From 1976-01-01 to 2010-04-28
Houchin Ranch, La Veta	S24A	Colorado,U.S.A.	37.6407N	105.2126W	2672	From 2008-06-13 to 2010-04-16
Houelmont	HMG	Guadeloupe,France	15.9823N	61.7000W	420	
Houlton	HN-	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HN-ME	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HNME	Maine,U.S.A.	46.1599N	67.9867W	209	
Hourglass Bar Ranch, Mountainair	X23A	New Mexico,U.S.A.	34.5810N	106.1881W	1948	From 2008-04-19 to 2010-03-13
House Creek	GHCM	California,U.S.A.	38.6060N	123.1970W	518	From 1975-05-07
House Creek Ranch, Rogerson	L12A	Idaho,U.S.A.	42.1460N	115.0162W	1756	From 2006-12-21 to 2008-08-08
Houston	I39A	Minnesota,U.S.A.	43.8543N	91.5231W	393	From 2011-08-09 to 2013-06-05
Houston	HOU	Texas,U.S.A.	29.7189N	95.4022W	5	
Houston	Y46A	Mississippi,U.S.A.	33.8828N	88.8577W	109	From 2011-04-14 to 2013-02-06
Houston--Electro-Tech	HET	Texas,U.S.A.	29.7200N	95.4699W	6	From 1961-01-01 to 1965-04-30
Houston Renfrow, Canton	145A	Mississippi,U.S.A.	32.6035N	89.9287W	93	From 2011-03-25
Houvegnez	BHOU	Belgium	50.3537N	6.0051E	470	From 2012-08-02
Houxiangcun	PTMZ	Taiwan region	25.0400N	119.1200E	0	From 2011-07-22
Hovd	HBD	Mongolia	48.0100N	91.6500E	1410	
Hoven	G29A	South Dakota,U.S.A.	45.1926N	99.9234W	588	From 2009-09-10 to 2011-07-12
Howard	HD-PA	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard	HD-	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard City	J46A	Michigan,U.S.A.	43.3478N	85.6466W	275	From 2012-09-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Howats Hill	BHH	Scotland,United Kingdom	55.0931N	3.2181W	216	
Howe Caverns	HCNY	New York,U.S.A.	42.6968N	74.3984W	273	
Howe Peak	HPI	Idaho,U.S.A.	43.7114N	113.0970W	2597	From 1972-10-01
Howes	H27A	South Dakota,U.S.A.	44.6329N	102.0775W	748	From 2009-06-10 to 2011-05-27
Howe Scarp	HWSI	Idaho,U.S.A.	43.9222N	113.1060W	1740	From 1992-01-01
Howrah	HOW	West Bengal,India	22.4167N	88.3092E	3	From 1952-01-01
Hoy	OHO	Orkney Islands,United Kingdom	58.8321N	3.2464W	172	From 1995-09-21
Hoyanger	HYA	Norway	61.1660N	6.1870E	30	From 1999-06-08
Hoyt Mine	HYX	Nevada,U.S.A.	39.7728N	117.7630W	1661	From 1980-01-01
Hoyt Peak	HTU	Utah,U.S.A.	40.6753N	111.2200W	2575	From 1974-11-01
Hraun	IHRN	Iceland	66.1100N	20.1230W	15	From 1996-08-30
Hsiaoliuchiu	TWP	Taiwan region	22.3460N	120.3625E	80	From 1978-01-02
Hsiaoliuchiu	WLCT	Taiwan region	22.3480N	120.3620E	38	
Hsinchu	HSN	Taiwan region	24.8022N	120.9696E	34	
Hsinchu	HSN1	Taiwan region	24.7780N	121.0180E	102	From 2014-12-22
Hsinchu	SBCB	Taiwan region	24.7924N	120.9854E	126	From 2007-07-17
Hsinkong	SGK	Taiwan region	23.1000N	121.3670E	36	
Hsinkong	HSI	Taiwan region	23.1000N	121.3670E	36	
Hsinying	TWK	Taiwan region	23.2667N	120.4880E	590	From 1974-07-19
Huaiquique	TA02	Tarapacˆ¡	20.2705S	70.1311W	86	From 2014-02-24
Huajuapan	UTMO	Oaxaca,Mexico	17.8300N	97.8035W	1783	From 2003-11-18
Hualalai	HUH	Hawaii,U.S.A.	19.6847N	155.8357W	2193	From 1971-05-06
Hualan@16e@15	GO05	Maule,Chile	35.0098S	71.9297W	488	
Hualane	U65B	Maule,Chile	34.9642S	71.7886W	66	
Hualapai Mountain Park, Kingman	W13A	Arizona,U.S.A.	35.0990N	113.8854W	1988	From 2006-03-09 to 2010-05-28
Hualien Port	HWAP	Taiwan region	23.9800N	121.6200E	0	From 2001-08-27
Hualilan	HLN	San Juan,Argentina	30.7364S	68.9492W	2000	
Huancayo	HUA	Peru	12.0384S	75.3228W	3313	From 1932-04-01
Huanuco	HCO	Peru	9.8300S	76.2300W	1851	
Huara	HUAR	Chile	19.9320S	69.7261W	1135	From 2009-12-03
Huaraz	HUZ	Peru	9.5289S	77.5083W	3300	From 1972-01-01
Huarina	BS09	Bolivia	16.1890S	68.6120W	3858	From 2012-04-24
Huarmaca	HURP	Peru	5.5830S	78.4330W	2000	
Huasco	HUCH	Atacama,Chile	28.4641S	71.2215W	9	From 2005-04-19
Huatulco	HUIG	Oaxaca,Mexico	15.7684N	96.1082W	150	
Huaypira	CHP5	Peru	4.6050S	80.5011W	240	
Huckleberry Mountain	HBO	Oregon,U.S.A.	43.8443N	122.3200W	1615	From 1990-09-19
Huddart Park	JHPM	California,U.S.A.	37.4442N	122.3020W	347	
Huddler Ranch, Lake City	T32A	Kansas,U.S.A.	37.1797N	98.9247W	596	From 2009-10-12 to 2011-08-27
Hudiksvall	HUDU	Sweden	61.7364N	17.1194E	100	From 2005-10-15
Hudson	HUO	Ontario,Canada	50.0806N	92.0981W	367	From 1986-10-02
Hudson Bay High School ANSS-SMO	HUBA	Washington,U.S.A.	45.6307N	122.6526W	23	From 2002-09-12
Hue	HUV	Vietnam	16.4168N	107.5855E	8	
Hueftle Ranch, Cozad	N30A	Nebraska,U.S.A.	40.7957N	100.1001W	842	From 2009-05-21 to 2011-04-07
Huehuecho	HUES	El Salvador	13.7783N	89.0000W	910	From 1991-12-01
Huelma, Jaen	E025	Spain	37.7016N	3.4657W	1621	From 2007-06-22 to 2009-06-24
Huelva	EXHU	Spain	37.2740N	6.9310W	380	From 2008-06-01
Huescar	EHUE	Spain	37.8148N	2.5927W	980	From 1990-11-13
Huff	E28A	North Dakota,U.S.A.	46.5748N	100.6934W	579	From 2009-08-18 to 2011-06-06
Hugo	Y37A	Oklahoma,U.S.A.	33.9789N	95.6210W	165	From 2010-04-27 to 2012-01-30
Hugo	Q26A	Colorado,U.S.A.	38.9234N	103.5195W	1546	From 2008-12-04 to 2010-10-17
Hugoton	T29A	Kansas,U.S.A.	37.1565N	101.2942W	936	From 2009-04-08 to 2011-03-13
Hu-ho-hao-te	HHC	Nei Monggol Zizhiqu,China	40.8494N	111.5640E	1169	
Huhtala Lane, Santa Cruz County	JHUM	California,U.S.A.	37.2147N	122.1717W	234	From 2000-09-15
Huinay	HUNY	Chile	42.3790S	72.4143W	20	
Huiting Farm, Downs	P32A	Kansas,U.S.A.	39.6223N	98.6011W	524	From 2009-09-19 to 2011-08-23
Huitzitzil	HUG	Guatemala	14.0208N	91.3235W		From 1987-10-01
Huka	HUTZ	North Island,New Zealand	38.6319S	176.0944E	300	From 1985-09-26 to 1992-10-31
Hulbert	V37A	Oklahoma,U.S.A.	35.8830N	95.1410W	219	From 2010-06-11 to 2012-02-17
Hull Mountain	GHMM	California,U.S.A.	39.4954N	122.9310W	1456	
Hull Mountain	HUMO	Oregon,U.S.A.	42.6071N	122.9567W	554	From 2002-06-18
Humahuaca	HJA	Jujuy,Argentina	23.2078S	65.4095W	3170	
Humberstone	HMBC	Tarapaca,Chile	20.2782S	69.8879W	1152	
Humbligny	HYF	Centre,France	47.2685N	2.6394E	428	
Humboldt	X15A	Arizona,U.S.A.	34.4866N	112.2368W	1331	From 2006-03-22 to 2008-11-06
Humboldt	O35A	Nebraska,U.S.A.	40.2665N	95.9097W	342	From 2010-05-16 to 2012-04-21
Humboldt	V45A	Tennessee,U.S.A.	35.7403N	88.9591W	126	From 2011-05-15 to 2013-03-16
Hume Dam	HUMM	Victoria,Australia	36.1110S	147.0290E	190	
Humele	HUMR	Romania	44.5281N	24.9804E	247	From 2008-08-29
Humming Bird West	HBW	California,U.S.A.	38.8585N	122.8757W	985	
Humu'ula Sheep Station	HMH	North America,U.S.A.	19.6027N	155.4830W	2465	
Hundersingen	HUN	Baden-Wurttemberg,Germany	48.0792N	9.4083E	565	
Hundred Mile H.	HM-	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
Hungry Hill Ranch, Wilson	Z29A	Texas,U.S.A.	33.2595N	101.7062W	938	From 2009-01-29 to 2010-12-04
Hungry Horse	HHM	Montana,U.S.A.	48.3494N	114.0280W	1100	From 1947-11-10 to 1979-12-16
Hungye	EHY	Taiwan region	23.5060N	121.3220E	237	
Hunish Island	HNSH	Yemen	13.6935N	42.7147E	80	From 2007-11-27
Hunter Liggett MR Jolon	V03C	California,U.S.A.	36.0214N	121.2356W	336	From 2005-02-23 to 2007-12-05
Hunter Patterson, Mansfield	240A	Louisiana,U.S.A.	32.0387N	93.7626W	119	From 2011-02-11 to 2012-12-01
Huntington	339A	Texas,U.S.A.	31.3331N	94.5560W	82	From 2010-02-18 to 2011-12-10
Huntoon Valley	HCK	Nevada,U.S.A.	38.0755N	118.5920W		
Huntoon Valley	HVL	Nevada,U.S.A.	39.1832N	118.5390W	1856	
Huntsville	M16A	Utah,U.S.A.	41.3146N	111.6298W	1872	From 2007-07-09 to 2009-04-21
Hunxe	BHXE	Nordrhein-Westfalen,Germany	51.6308N	6.8929E	159	
Hurbanovo	HRB	Slovakia	47.8736N	18.1928E	115	
Huron Fishing Bridge	PHBM	California,U.S.A.	36.2488N	120.0830W	100	
Hurricane	R53A	West Virginia,U.S.A.	38.3307N	81.9513W	294	From 2013-01-13
Hurricane	HHS	Utah,U.S.A.	37.1738N	113.2957W	987	From 2008-05-15
Hurricane	HUR	Alaska,U.S.A.	62.9778N	149.6360W	505	From 1971-08-01
Hurricane	T14A	Utah,U.S.A.	37.0615N	113.0840W	1529	From 2007-01-28 to 2008-10-10
Hurricane Hollow	HHT	Tennessee,U.S.A.	36.1711N	87.9014W	113	
Hurst Farm, Blanding	S18A	Utah,U.S.A.	37.6903N	109.9948W	2351	From 2007-06-25 to 2009-06-18
Hurt	T57A	Virginia,U.S.A.	36.9983N	79.2538W	230	From 2013-03-17
Husband	HUOR	Oregon,U.S.A.	44.1197N	121.8482W	2037	
Husbondi	IHUS	Iceland	64.2955N	17.6565W	1314	From 2013-06-06
Huson	D13A	Montana,U.S.A.	47.0943N	114.4587W	1000	From 2006-10-06 to 2009-07-17
Husum	HUSU	Sweden	63.3416N	19.2184E	100	From 2000-08-23
Huta Ginjang	HUTI	Sumatera,Indonesia	2.3153N	98.9711E	1600	
Hutbay	HUTB	Andaman Islands,India	10.3512N	92.3232E	22	From 2012-01-01
Hutch Mountain	HTCH	Arizona,U.S.A.	34.8060N	111.3940W	2559	
Huxley Gorge	HGP	South Island,New Zealand	44.1008S	169.8443E	590	From 1975-06-18 to 1983-11-21
Huzimizaka	HZA	Nagano,Japan	36.3992N	138.5411E	2232	
Hvannstoosfjoll	IHVA	Iceland	64.9550N	15.8690W	695	From 2004-12-29
Hvar	HVAR	Croatia	43.1780N	16.4490E	189	From 1986-10-01
Hveravellir	IHVE	Iceland	64.8700N	19.5670W	640	From 1996-08-30
Hwacheon	HWCB	Republic of Korea	38.2214N	127.6707E	292	From 2010-11-17
Hwalien	HWA	Taiwan region	23.9770N	121.6050E	16	
Hwange	HWZ	Zimbabwe	18.3302S	26.5034E	0	
Hwaseong-si	HAWB	Republic of Korea	37.0844N	126.7740E	48	From 2012-12-24
Hyde County Airport	V62A	North Carolina,U.S.A.	35.5612N	75.9570W	-3	
Hyde Park	HDU	Utah,U.S.A.	41.8044N	111.7650W	1853	From 1975-03-01
Hyderabad	HYD	Andhra Pradesh,India	17.4333N	78.4500E	528	
Hyderabad	HYB	Andhra Pradesh,India	17.4169N	78.5531E	510	From 1967-12-11
Hyderabad (broadband)	HYBB	Andhra Pradesh,India	17.4187N	78.5520E	522	From 2008-09-15
Hydra	YDRA	Greece	37.3495N	23.4653E	19	From 2011-10-24
Hylton High School	PPHYL	District of Columbia,U.S.A.	38.6500N	77.3800W	112	
Hysham	HY-	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hysham	HY-MA	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hyugahichiya	JHHC	Miyazaki,Japan	32.4432N	131.6368E	53	From 2012-07-01
HZTE	HZTE	Costa Rica	10.7137N	85.5954W	194	
I19DJ	I19DJ	Djibouti	11.4740N	43.1731E	21	From 2011-10-05
I37NO	I37NO	Norway	69.0741N	18.6076E	73	From 2013-12-17
Iasi	IAS	Romania	47.1933N	27.5617E	160	From 1951-12-10
Ibague, SGC	CIBA1	Colombia	4.4470N	75.2350W	1284	From 1995-06-26
Ibarra	IBAR	Ecuador	0.2871N	78.1065W	2360	
Ibarra (Universidad Catˆ‡lica)	AIB2	Ecuador	0.3428N	78.1042W	2225	From 2012-03-23
Ibbenbueren East	IBBE	Nordrhein-Westfalen,Germany	52.2998N	7.7943E	141	From 2005-12-01
Ibbenbueren South	IBBS	Nordrhein-Westfalen,Germany	52.2843N	7.7486E	169	From 2005-12-01
Ibbenburen	IBBN	Nordrhein-Westfalen,Germany	52.3072N	7.7566E	137	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ibiza	EIBI	Balearic Islands,Spain	39.0269N	1.3436E	260	
Ibuki Yama	IBU	Shiga,Japan	35.3783N	136.3770E	30	
Iburiatsuma	JIAM	Iburi,Japan	42.6227N	141.9205E	12	From 2012-11-01
Ica	ICA	Peru	14.0750S	75.7250W	500	
Ice Cap	IC-GL	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Ice Cap	IC-	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Icelocation 2	IS2	Greenland	69.1660N	44.7357W	2220	
Icheon	KSICN	Republic of Korea	37.2907N	127.4167E	164	From 2003-11-28
Ichihara	ICH	Chiba,Japan	35.4009N	140.1768E	-146	
Ichinomiya	INMK	Tokushima,Japan	34.0284N	134.4663E	50	
Ichinomiyachiaki	JICN	Aichi,Japan	35.3020N	136.8430E	10	From 2012-11-01
Ichinoseki	JMK	Iwate,Japan	38.9518N	141.2198E	70	
Ichiyama	ICY	Yamanashi,Japan	34.9033N	138.9333E	210	
Icod de los Vinos	CICO	Canary Islands,Spain	28.3490N	16.7241W	785	From 2004-05-13
Idabel	Y38A	Oklahoma,U.S.A.	33.9278N	94.7311W	118	From 2010-04-28 to 2012-01-28
Idaho Array	IDA	Idaho,U.S.A.	43.7867N	113.0220W	1524	
Idaho Array 1	ID1	Idaho,U.S.A.	43.6200N	113.3280W	1638	
Idaho Array 2	ID2	Idaho,U.S.A.	43.5283N	112.8370W	1521	
Idaho Array 3	ID3	Idaho,U.S.A.	43.8575N	112.7080W	1460	
Idaho Array 4	ID4	Idaho,U.S.A.	43.7250N	112.7970W	1478	
Idaho Array 5	ID5	Idaho,U.S.A.	43.8983N	113.6160W	1829	
Idaho Springs	ISCO	Colorado,U.S.A.	39.7997N	105.6134W	2743	From 1996-10-17
Ideyld Park	J03A	Oregon,U.S.A.	43.3717N	122.9646W	292	From 2005-12-15 to 2007-10-31
Idfu	HEDF	Egypt	25.0945N	33.1818E	190	
Idjevan	IDJZ	Armenia	40.8820N	45.1460E	700	
Idriss Premier	IDR	Morocco	34.1660N	4.7500W	217	From 1979-06-01
Iengra	IENR	Sakha,Russia	56.2238N	124.8571E	860	From 2004-07-10
Iera Moni Metamorfosis, Varipetro, Chania, Crete	IMMV	Crete,Greece	35.4606N	23.9811E	230	From 2010-07-16
Ierapetra Chania	FRMA	Crete,Greece	35.0144N	25.7334E	33	From 2006-12-01
Ierissos	IER1	Greece	40.3971N	23.8751E	45	From 2008-09-30
Ifrane	IFR	Morocco	33.5169N	5.1269W	1630	From 1964-11-01
Igarata	IGAB	Sao Paulo,Brazil	23.2525S	46.1165W	677	
IGDIR	IGDI	Turkey	39.8681N	44.0780E	860	From 2012-01-23
Iggoen	IGGU	Sweden	60.8730N	17.3160E	100	From 2000-03-27
Igitkin Island	GSIG	Alaska,U.S.A.	51.9864N	175.9250W	407	
Igloolik	IGL	Northwest Territories,Canada	69.3767N	81.8067W	38	From 1975-09-03
Igloolik	IGLN	Northwest Territories,Canada	69.3689N	81.8175W	43	
Igloolik, Nunavut	ILON	Northwest Territories,Canada	69.3712N	81.8242W	51	From 2005-08-23
Ignalina	IIGN	Lithuania	55.3503N	26.2225E	225	
Ignalina Nuclear	INPP	Lithuania	55.6056N	26.5667E	148	
Igoumenitsa	IGT	Greece	39.5325N	20.3325E	320	From 1989-04-01
Igoumenitsa	IGM2	Greece	39.4862N	20.2592E	34	From 2015-08-05
Igron	IGR	Tajikistan	38.3000N	69.3000E	0	
IGS Nastaetten	NAST	Rheinland-Pfalz,Germany	50.1951N	7.8608E	290	From 2014-10-01
Iguala	III	Guerrero,Mexico	18.3760N	99.4680W	1740	
Igualata	IGUA	Ecuador	1.4900S	78.6387W	4430	
Iheya	JIH	Ryukyu Islands,Japan	27.0348N	127.9670E	25	
Iida	IJDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iida	IID	Nagano,Japan	35.5100N	137.8367E	484	
Iida	IIDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iinan	INA	Mie,Japan	34.4463N	136.3750E	160	From 1965-07-01 to 1970-07-31
IISEE	IIS	Tokyo,Japan	35.7097N	139.6970E	25	
Iizuka	IZK	Fukuoka,Japan	33.6500N	130.7000E		
Iizume	IZMH	Aomori,Japan	40.8338N	140.4985E	30	
Ikemajima	JIKM	Ryukyu Islands,Japan	24.9237N	125.2477E	11	From 2010-02-01
Iki	JII	Nagasaki,Japan	33.7955N	129.7320E	70	
Ikuma	JNM	Shimane,Japan	35.4958N	133.0297E	20	
Ikusaka	IKJ	Nagano,Japan	36.4218N	137.9440E	500	From 1968-07-01 to 1970-03-15
Ilam	ILAN	Nepal	26.9102N	87.9227E	1181	From 2001-10-17 to 2002-10-30
Ilan	ILA	Taiwan region	24.7656N	121.7479E	7	From 1936-01-01
Ilan	YLA	Taiwan region	24.7656N	121.7480E	7	From 1936-01-01
Ile d'Oleron	OLEF	Poitou-Charentes,France	45.9445N	1.3488W	3	From 1994-12-06
Ile-Ife	OAUI	Togo	7.5230N	4.5219E	257	From 2007-11-01
Ilet Lapin Martinique	ILAM	Martinique,France	14.7747N	60.8736W	34	From 2012-10-01
Ilgaz	ILGA	Turkey	41.0521N	33.7165E	2069	From 2007-07-02
ILHA DA TRINDADE, ES	TRI01	Espirito Santo	20.5076S	29.3146W	26	From 2014-10-14
Ili	ILI	Kazakhstan	43.8600N	77.0320E	540	
Iliamna	ILIM	Alaska,U.S.A.	60.0802N	152.9590W	823	
Iliamna	ILM	Alaska,U.S.A.	60.1820N	152.8160W	550	From 1971-08-07
Iliamna Low South	ILS	Alaska,U.S.A.	59.9576N	153.0681W	1125	
Iliamna NE	INE	Alaska,U.S.A.	60.0608N	153.0620W	1585	From 1990-08-29
Iliamna NW	INW	Alaska,U.S.A.	60.0677N	153.1325W	1219	From 1990-08-29 to 1994-12-31
Iliamna South	IVS	Alaska,U.S.A.	60.0092N	153.0810W	2332	From 1990-08-29
Iliamna Volcano East	IVE	Alaska,U.S.A.	60.0169N	153.0163W	1173	From 1996-01-01
Iliamna West	ILW	Alaska,U.S.A.	60.0600N	153.1360W	1722	From 1994-10-01
ilic-Erzincan	ILIC	Turkey	39.4520N	38.5678E	1280	From 2008-12-25
Illapel	ILCH	Coquimbo,Chile	31.6358S	71.1694W	350	
Illinizas Sur - Rasayacu	ILLI	Ecuador	0.7146S	78.7279W	3830	From 2011-10-21
Iloca	ILOC	Maule,Chile	34.9350S	72.1828W	7	
Iloilo	ILO	Panay,Philippines	10.7000N	122.5670E		
I.L. Ranch, Tuscararo	M10A	Nevada,U.S.A.	41.5220N	116.5396W	1687	From 2006-05-05 to 2008-08-18
Ilulissat	ILULI	Greenland	69.2121N	51.1048W	53	From 2009-07-14
Ilulissat, Greenland	ILUG	Greenland	69.2170N	51.1080W	45	From 2004-05-14
Ilw as Safayhah	ALWS	Saudi Arabia	29.3103N	35.0650E		
Imadeyama	IMAT	Iwate,Japan	39.1067N	141.7600E	519	
Imagane	IMG	Hiyama,Japan	42.3905N	140.1444E	90	
Imajo	IMJ	Fukui,Japan	35.7982N	136.3028E	240	
Imangra	IMNS	Amurskaya Oblast',Russia	56.6200N	120.7100E	540	From 1975-01-01 to 1979-12-31
Imbabura, San Roque	IMBA	Ecuador	0.2764N	78.1991W	3404	From 2011-10-24
Imerovigli	THT2	Crete,Greece	36.4351N	25.4218E	338	From 2011-11-05
Imi Mikki	IMK	Morocco	30.5239N	9.6517W	60	From 1991-12-17
Immerath	BD13	Nordrhein-Westfalen,Germany	51.0487N	6.4339E	96	From 2007-02-01
Imola, Italy	IMOL	Italy	44.3595N	11.7425E	-148	From 2010-08-10
Imperia	IMI	Italy	43.9105N	7.8932E	840	From 1983-01-01
Imperial Boulder Park, Ocotillo	IBP	California,U.S.A.	32.6611N	116.0929W	879	From 2010-04-06 to 2011-04-13
Imphal	IMP	Manipur,India	24.8311N	93.9466E	792	
Imsbach	IMS	Rheinland-Pfalz,Germany	49.5940N	7.9008E	350	
Imsil	KSIMS	Republic of Korea	35.6055N	127.2859E	246	From 2000-12-06
Imwonan-gil	IMWB	Republic of Korea	37.2380N	129.3419E	54	From 2012-12-23
In Amguel	IAA	Algeria	23.8222N	5.1750E		
INCERC-Sediu Central	INCR	Romania	44.4410N	26.1611E	88	From 2008-02-20
Inchbonnie	INZ	South Island,New Zealand	42.7245S	171.4441E	165	From 2011-01-26
Incheon	KSINC	Republic of Korea	37.4776N	126.6240E	68	
Inch Island, Co Donegal	IDGL	Ireland	55.0730N	7.5100W	122	
Inchon	INC	Republic of Korea	37.4833N	126.6330E	70	
Inchon	INCN	Republic of Korea	37.4830N	126.6330E	420	
Incio	EINC	Spain	42.6600N	7.3500W	739	
Independence	IND	California,U.S.A.	39.4343N	120.2920W	2146	
Independ'e Ridge	RIDG	Alaska,U.S.A.	63.7407N	144.8417W	888	
India	UMI	India	25.5167N	92.7333E		
Indiana Array	IN3	Indiana,U.S.A.	39.2653N	85.7854W		From 1980-01-01 to 1996-12-31
Indiana Array	IN2	Indiana,U.S.A.	39.9390N	86.7831W		From 1980-01-01 to 1996-12-31
Indiana Array	IN1	Indiana,U.S.A.	40.5420N	85.8936W		From 1980-01-01 to 1996-12-31
Indiana Array	IN4	Indiana,U.S.A.	39.5697N	84.9029W		From 1980-01-01 to 1996-12-31
Indiana State University	ISU	Indiana,U.S.A.	39.4714N	87.4075W	148	
Indian Gallows	SVG	St Vincent,Saint Vincent and the Grenadines	13.2450N	61.2780W	46	
Indian Hill Lake	IHLN	Northwest Territories,Canada	63.3052N	110.8911W	417	
Indian Lake	ILKN	Yukon Territory,Canada	64.2241N	115.1293W	266	
Indian Meadow	IMW	Wyoming,U.S.A.	43.8970N	110.9390W	2646	
Indian Mountain	IMA2	Alaska,U.S.A.	66.0688N	153.6871W	1318	
Indian Mountain	IMA	Alaska,U.S.A.	66.0685N	153.6790W	1380	
Indian Mountain Array Beam Reference Point	IMAR	Alaska,U.S.A.	65.9835N	153.7491W	372	
Indian Mountain Array Site 1	IM01	Alaska,U.S.A.	65.9969N	153.7225W	360	
Indian Mountain Array Site 2	IM02	Alaska,U.S.A.	66.0005N	153.7971W	645	
Indian Mountain Array Site 3	IM3	Alaska,U.S.A.	65.9835N	153.7490W	372	From 1993-07-01
Indian Mountain Array Site 4	IM04	Alaska,U.S.A.	65.9745N	153.7828W	587	
Indian Mountain Array Site 5	IM05	Alaska,U.S.A.	65.9751N	153.7253W	450	
Indianola	INDN	Nebraska,U.S.A.	40.1925N	100.4000W	762	
Indian Ridge	IRO	Oregon,U.S.A.	44.0053N	122.2543W	1642	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Indian Springs Canyon	ICU	Utah,U.S.A.	37.1497N	113.9235W	1451	
Indiantown	060A	Florida,U.S.A.	27.0361N	80.3618W	9	From 2012-03-15
Indian Trail	W56A	North Carolina,U.S.A.	35.1350N	80.5828W	177	From 2013-03-08
Indian Valley	PIVM	California,U.S.A.	35.9065N	120.6820W	497	From 1975-09-24
Indio Hills	INDC	California,U.S.A.	33.8162N	116.2300W	354	
Indio Mountain, Van Horn	425A	Texas,U.S.A.	30.7862N	104.9857W	1337	From 2008-03-15 to 2010-02-06
INEL Research	IRCI	Idaho,U.S.A.	43.5153N	112.0333W	1442	From 1990-03-15
Infanta	INF	Luzon,Philippines	14.7500N	121.6467E	5	
Ingas	INGI	Bali,Indonesia	8.8183S	115.1450E	202	
Inge Lehmann	ILG	Greenland	77.9467N	39.1833W	2401	
Ingelmoor High School	NIHS	Washington,U.S.A.	47.7413N	122.2226W	137	From 2002-06-04
Ingram Canyon, Westley	S04C	California,U.S.A.	37.5049N	121.3278W	310	From 2004-12-20 to 2007-09-03
Ingram Point	VIPM	Oregon,U.S.A.	44.5082N	120.6190W	1731	
Ingram Ranch	ING	California,U.S.A.	32.9883N	115.3100W	2	From 1973-04-16 to 2010-04-28
INJE	KSIJA	Republic of Korea	37.9867N	128.1111E	224	From 2006-12-30
Ink	IK-AR	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Ink	IK-	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
In-Ko-Pah, Jacumba	IKP	California,U.S.A.	32.6501N	116.1095W	906	From 1972-11-08 to 2010-04-28
Innaminka	INKA	South Australia,Australia	27.7410S	140.7456E	75	From 2013-07-17
Innsbruck	IBK	Austria	47.2606N	11.3847E	580	From 1973-03-01
Innsbruck	INN	Austria	47.2667N	11.4000E	575	
Inspiration	INS	California,U.S.A.	33.9356N	116.1940W	1700	From 1974-04-01 to 2010-04-28
Institut Agronomique	IAG	Guadeloupe,France	16.0840N	61.6000W	250	
Institut de recherche pour le d''veloppement - Quito	IRDE	Ecuador	0.1972S	78.4810W	2810	
Institute	INSR	Kamchatskaya Oblast',Russia	53.0661N	158.6050E	175	
Institute of Geosciences in Tirana	TIR1	Albania	41.3357N	19.8078E	150	From 2014-01-15
Instituto de Ingenieria, UNAM	IIM	Mexico D.F.,Mexico	19.3260N	99.1820W	2275	
Instituto de Meteorologia, Lisbon	INMG	Portugal	38.7743N	9.1257W	93	From 1993-02-01
Instituto Hidrografico de la Armada	IHA	Valparaiso,Chile	33.0258S	71.6411W	88	From 1988-01-01
Interlachen	657A	Florida,U.S.A.	29.5852N	81.8665W	34	From 2012-02-08
Interlaken, Schloss	SINS	Switzerland	46.6869N	7.8642E	568	From 2012-10-01
InterUniversity Guayama PR	IGPR	Puerto Rico	17.9654N	66.1068W	24	From 2012-09-01
Intevep	INTV	Venezuela	10.3878N	67.0514W	1594	From 2004-01-23
Introdacqua	INTR	Italy	42.0115N	13.9046E	924	From 2003-08-29
Inubo	INB	Chiba,Japan	35.7031N	140.8603E	32	
Inukjuak	INUQ	Quebec,Canada	58.4509N	78.1186W	12	From 2006-09-12
Inuvik	INK	Northwest Territories,Canada	68.3070N	133.5200W	40	From 1969-02-22
Inuyama	INU	Aichi,Japan	35.3488N	137.0170E	140	From 1966-06-01
Inveralochy	INV	New South Wales,Australia	34.9650S	149.6670E	650	From 1959-01-01 to 1983-06-14
Inveralochy	IVN	New South Wales,Australia	34.9667S	149.6670E	650	From 1972-08-09 to 1983-06-14
Inveralochy	IVY	New South Wales,Australia	34.9722S	149.7180E	650	From 1983-06-14
Invergeldie, Comrie	INVG	Scotland,United Kingdom	56.4273N	4.0452W	279	From 2010-07-10
Inverness	IVSM	Victoria,Australia	36.1338S	147.0681E	330	
Invillino	FINV	Italy	46.4050N	12.9400E	359	From 2001-05-05
Iona Station	K51A	Ontario,Canada	42.7223N	81.5082W	217	From 2012-12-07
Ion Corvin	ICOR	Romania	44.1168N	27.8009E	121	From 2011-10-12
Ione	IO-NV	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ione	IO-	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ios island	IOSP	Greece	36.7233N	25.2890E	226	From 2012-03-07
Ipameri, GO	IPMB	Goias,Brazil	17.9830S	48.2117W	706	From 2012-10-26
Ipanguacu	IPA	Rio Grande do Norte,Brazil	5.6958S	36.8561W	65	From 1987-08-01
Ipeti	IPE	Panama	8.9772N	78.4933W	50	
Ipil	IPIL	Mindanao,Philippines	7.7880N	122.5710E	50	
Ipitacuapi	ITIT	Bolivia	20.2538S	63.1618W	823	From 1994-05-30 to 1995-08-08
IPOC Station PB01	PB01	Tarapaca,Chile	21.0432S	69.4874W	900	From 2006-02-21
IPOC Station PB02	PB02	Tarapaca,Chile	21.3197S	69.8960W	1015	From 2006-05-06
IPOC Station PB03	PB03	Antofagasta,Chile	22.0485S	69.7531W	1460	From 2006-05-19
IPOC Station PB04	PB04	Antofagasta,Chile	22.3337S	70.1492W	1530	From 2006-05-17
IPOC Station PB05	PB05	Chile	22.8528S	70.2023W	1150	From 2006-05-18
IPOC Station PB06	PB06	Antofagasta,Chile	22.7058S	69.5719W	1440	From 2007-03-04
IPOC Station PB07	PB07	Antofagasta,Chile	21.7267S	69.8862W	1560	From 2007-02-27
IPOC Station PB08	PB08	Tarapaca,Chile	20.1411S	69.1534W	3070	From 2007-03-01
IPOC Station PB09	PB09	Antofagasta,Chile	21.7964S	69.2419W	1530	From 2008-02-06
IPOC Station PB10	PB10	Antofagasta,Chile	23.5134S	70.5541W	250	From 2008-02-03
IPOC Station PB11	PB11	Tarapaca,Chile	19.7610S	69.6558W	1410	From 2008-12-05
IPOC Station PB12	PB12	Chile	18.6141S	70.3281W	908	From 2010-12-04
IPOC Station PB13	PB13	Chile	18.3359S	69.5016W	4730	From 2009-11-19 to 2011-10-30
IPOC Station PB14	PB14	Chile	24.6260S	70.4038W	2620	From 2009-07-10
IPOC Station PB15	PB15	Chile	23.2083S	69.4709W	1830	From 2011-04-17
IPOC Station PB16	PB16	Chile	18.3351S	69.5077W	4480	From 2011-11-03
Ipoh	IPM	Peninsular Malaysia,Malaysia	4.4795N	101.0255E	247	From 1979-05-26
Ipv	AIPV	Salta,Argentina	24.7874S	65.4197W	1180	From 2005-08-23
Iquique	ICC	Tarapaca,Chile	20.2840S	70.0350W	950	
Iquique	IQQ	Tarapaca,Chile	20.2408S	70.1278W		From 1976-01-01
Ira	IVT	Vermont,U.S.A.	43.5221N	73.0533W	295	
Irabujima	JIRB	Ryukyu Islands,Japan	24.8282N	125.1728E	19	From 2010-02-01
Iran Long-Period Array	IR4	Iran	35.2387N	50.9012E	1373	From 1976-01-01
Iran Long-Period Array	IR6	Iran	35.4737N	50.4256E	1540	From 1976-01-01
Iran Long-Period Array	IR2	Iran	35.6628N	50.8976E	1172	From 1976-01-01
Iran Long-Period Array	IR7	Iran	35.7028N	50.6089E	1305	From 1976-01-01
Iran Long-Period Array	IR5	Iran	35.2128N	50.5811E	1385	From 1976-01-01
Iran Long-Period Array	IR3	Iran	35.4761N	51.0238E	989	From 1976-01-01
Iran Long-Period Array	IR1	Iran	35.4160N	50.6890E	1347	From 1976-01-01
Iranshahr	IRSH	Iran	27.2000N	60.7000E	0	
Irapuato, Guanajuato	IGIG	Guanajuato,Mexico	20.7531N	101.3278W	1809	
Irene McRaven, Queen City	Z39A	Texas,U.S.A.	33.2418N	94.1822W	112	From 2010-04-27 to 2012-01-24
Irimote jima	IRI	Ryukyu Islands,Japan	24.3857N	123.7493E	9	From 1991-03-01
Iringa	IRIN	Tanzania,United Republic of Tanzania	7.7620S	35.6865E	1577	
Iriomote-Funauki	IRIF	Ryukyu Islands,Japan	24.3348N	123.7300E	5	From 2004-03-04
Iris	IRS	California,U.S.A.	33.1908N	115.4290W	-10	
IRIS PASSCAL Instrument Center, Socorro	Y22D	New Mexico,U.S.A.	34.0739N	106.9210W	1436	From 2007-09-29
IRIS PASSCAL Instrument Center, Socorro	Y22E	New Mexico,U.S.A.	34.0742N	106.9208W	1444	From 2011-03-28 to 2012-08-06
IRIS PASSCAL Instrument Center, Socorro	Y22C	New Mexico,U.S.A.	34.0741N	106.9211W	1436	From 2004-05-07 to 2007-09-28
Irkutsk	IRK	Irkutskaya Oblast',Russia	52.2431N	104.2711E	467	
Iron Bridge	E47A	Ontario,Canada	46.4547N	83.2777W	246	From 2012-11-09
Iron Canyon	IR2C	California,U.S.A.	34.3881N	118.3997W	562	
Iron Canyon	IRC	California,U.S.A.	34.3885N	118.4030W	533	From 1971-11-01 to 2010-04-28
Iron Mountain	NIMB	California,U.S.A.	38.5614N	122.2654W	550	
Iron Mountain	IMU	Utah,U.S.A.	38.6331N	113.1580W	1832	From 1988-09-29
Iron Mountain Pumping Sta,Desert Center	IRM	California,U.S.A.	34.1574N	115.1451W	567	From 2001-12-05
Iron Mountains	IRN	California,U.S.A.	34.1600N	115.1840W	980	
Iron Peak	KIPM	California,U.S.A.	39.8087N	123.4810W	1367	
Isaakyan	ISKY	Armenia	40.6000N	43.7000E	1435	
Isabella, Hillsboro	R34A	Kansas,U.S.A.	38.3008N	97.2470W	437	From 2010-05-17 to 2012-03-15
Isabella, Lake Isabella	ISA	California,U.S.A.	35.6628N	118.4740W	873	From 1946-03-16
Isangel	INH	Vanuatu	19.5472S	169.2730E	110	From 1970-06-10
Isanotski	ISTK	Alaska,U.S.A.	54.7321N	163.7063W	704	
Isanotski Lazaref River	ISLZ	Aleutian Islands, Alaska,U.S.A.	54.7260N	163.7110W	631	From 2009-01-01
Isanotski North	ISNN	Alaska,U.S.A.	54.8323N	163.7784W	466	
Ischia Osservatorio Casamicciola	IOCA	Italy	40.7468N	13.9014E	110	From 2011-02-09
Ise	ISE	Mie,Japan	34.4585N	136.7740E	440	From 1963-10-01
Ise	JIE	Mie,Japan	34.3917N	136.7067E	135	
Isfjord	ISF	Svalbard,Norway	78.0592N	13.6403E	5	
Ishigaki jima	ISI	Ryukyu Islands,Japan	24.3317N	124.1633E	6	
Ishigaki jima 2	JIJ	Ryukyu Islands,Japan	24.3635N	124.1428E	78	
Ishigakijimahirakubo	JISG	Ryukyu Islands,Japan	24.5870N	124.3107E	13	From 2010-02-01
Ishigaki Ryukyu Islands	ISHJ	Ryukyu Islands,Japan	24.3800N	124.2300E	50	
Ishihara	IHR	Kochi,Japan	33.6879N	133.4710E	510	From 1967-04-01 to 1999-08-25
Ishii	ISIK	Tokushima,Japan	34.0573N	134.4581E	27	
Ishikarishitsubu	JISS	Ishikari,Japan	43.2753N	141.4175E	60	From 2012-11-01
Ishinomaki	ISN	Miyagi,Japan	38.4250N	141.3030E	44	
Ishinomakikobuchihama	JIKH	Miyagi,Japan	38.3107N	141.4655E	58	From 2012-11-01
Ishipane	K05	Iwate,Japan	39.3822N	141.5139E	463	
Ishtion	ISH	Tajikistan	38.8333N	70.7833E	1880	
Isikli	IKL	Turkey	36.2386N	33.6853E	120	From 1988-01-01
Iskenderun	COBT	Turkey	36.5197N	36.2556E	1710	From 1994-02-17
Isla Aves	IAV	Venezuela	15.7000N	63.6000W	0	
Isla Barro Colorado	BCIP	Panama	9.1665N	79.8373W	61	
Isla Caja de Muertos, Puerto Rico	ICMP	Puerto Rico	17.8863N	66.5267W	9	From 2009-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Isla Caja Muertos	ICM	Puerto Rico	17.8934N	66.5210W	7	
Isla Dawson	MG03	Magallanes	53.8480S	70.4628W	102	From 2015-04-15
Isla de Alboran	ALR	Spain	35.9392N	3.0350W	10	From 1978-10-01 to 1999-08-25
Isla de Gorgona	GRGC	Colombia	3.0028N	78.1672W	64	From 2010-08-29
Isla de la Plata	ISPT	Ecuador	1.2621S	81.0736W	190	From 2008-12-18
Isla del Cano	IDC	Costa Rica	8.7133N	83.8698W	10	From 1987-01-01
Isla del Coco	ICO	Costa Rica	5.5461N	87.0555W	25	
Isla de Pascua	PSC	Easter Island,Chile	27.1583S	109.4340W	50	From 1965-08-01 to 1999-08-25
Isla de Pascua	VA02	Valparaˆ›so,Chile	27.1603S	109.4347W	49	From 2013-08-14
Isla de Providencia	PRVC	Colombia	13.3762N	81.3635W	63	From 2012-05-01
Isla Desecheo	IDE	Puerto Rico	18.3864N	67.4741W	203	From 1977-02-15
Isla Fernandina	FERN	Galapagos,Ecuador	0.2667S	91.4450W	3	
Isla Gorgona, Cauca	CGR1C	Colombia	3.0028N	76.1669W	46	From 2013-12-04
Isla Guadalupe	IGM	Baja California,Mexico	28.8842N	118.2917W	65	
Isla Isabel II, Islas Chafarinas	CHAS	Morocco	35.1835N	2.4309W	86	From 2007-11-07 to 2009-04-12
Isla La Blanquilla	IBAV	Venezuela	11.8230N	64.5770W	100	From 2002-07-06
Isla La Orchila	ORCV	Venezuela	11.8120N	66.1940W	22	From 2003-01-15
Isla Las Cabras	ILCA	Chile	42.0606S	72.5367W	15	
Isla Los Monjes	IMOV	Venezuela	12.3590N	70.9020W	67	From 2003-10-10
Isla Los Testigos	ITEV	Venezuela	11.3550N	63.1320W	13	From 2002-07-10
Islamabad	ISBA	Pakistan	33.7000N	73.1000E	626	From 2010-11-28
Isla Mocha	BI04	Bio-Bio	38.4120S	73.8853W	26	From 2013-08-25
Isla Mona	IMR	Puerto Rico	18.0884N	67.8463W	55	From 1975-11-14 to 1977-01-10
Isla Mona	IMOB	Puerto Rico	18.0500N	67.8700W	93	
Isla Mona	IMO	Puerto Rico	18.1095N	67.9081W	3	From 1977-02-15
Island Lagoon	ILN	South Australia,Australia	31.3931S	136.8700E	137	
Isla Punˆ¡	ISPU	Ecuador	2.8078S	80.2415W	30	From 2012-12-05
Isla Riesco	MG04	Magallanes	52.8572S	71.5700W	82	From 2015-02-14
Isla Saona	SAON	Dominican Republic	18.1833N	68.7667W	0	
Islas Juan Fernandez	IJF	Juan Fernandez Islands,Chile	33.6167S	78.8333W	6	
Islas Marias	IMM	Nayarit,Mexico	21.6200N	106.5800W		
Isla Socorro	SRR	Colima,Mexico	18.7254N	110.9524W	60	From 1974-01-01
Isla Socorro	H06N	Colima,Mexico	18.8600N	110.9900W	10	
Isle de Caille	GRIC	Grenada	12.2856N	61.5858W	46	From 2003-05-23
Isle of Man	WIM	Isle of Man	54.1472N	4.6735W	365	From 1985-01-01
Isle of Wight	SIW	England,United Kingdom	50.6711N	1.3747W	162	
Isle Royale National Park	C40A	Michigan,U.S.A.	47.9154N	89.1514W	216	From 2011-09-28
Ismay	E23A	Montana,U.S.A.	46.4978N	105.3062W	750	From 2008-10-30 to 2010-08-04
Ismayilli	IML	Azerbaijan	40.7930N	48.1820E	728	From 2003-03-29
Ismayilli	ISM	Azerbaijan	40.8060N	48.2100E	926	From 1982-01-01 to 2003-01-01
Ismayilll	ISL	Azerbaijan	40.8100N	48.1700E	755	From 2003-01-01
Isoka	IKZ	Zambia	10.1713S	32.6460E	1350	From 1984-01-01
Isola	ISO	Provence-Cote d'Azur,France	44.1833N	7.0500E	876	From 1960-01-01
Isola di Gorgona	GROG	Italy	43.4262N	9.8920E	118	From 2005-08-03
Isola Di Gorgona	GORG	Italy	43.4276N	9.8946E	228	From 2003-09-30 to 2005-08-03
Isola di Marettimo	IMT	Sicily,Italy	37.9567N	12.0783E		
Isola Levanzo	LV9	Sicily,Italy	37.9856N	12.3374E	20	
Isola Levanzo	LVI	Sicily,Italy	37.9861N	12.3389E	30	
Isole Tremiti	TREM	Italia	42.1239N	15.5108E	113	From 2014-06-11
Isortoq, Greenland	ISOG	Greenland	65.5480N	38.9757W	12	From 2007-07-24
Isparta	ISP	Turkey	37.8226N	30.5221E	1100	
Isparta/Yalvaˆ§-ˆzgˆ…ney	YVAC	Turkey	38.2709N	31.2395E	1185	From 2014-12-01
Ispir	EISP	Turkey	40.4873N	41.0080E	1200	From 2007-01-01 to 2012-08-31
Issarbe	ISSF	Aquitaine,France	43.0278N	0.7953W	1210	
Istanbul	ITU	Turkey	41.1062N	29.0148E	98	From 1989-01-02
Istanbul	IST1	Turkey	41.0433N	28.9850E	65	
Istanbul	IST	Turkey	41.0456N	28.9958E	50	From 1962-02-20 to 1989-01-02
Istanbul-Kandilli	ISK	Turkey	41.0656N	29.0592E	132	From 1935-01-01
Istric ta	ISRF	Romania	45.1186N	26.5433E	763	
Istrita	ISR	Romania	45.1188N	26.5431E	750	From 1977-03-01
ISU Calarasi	CLISU	Romania	44.1901N	27.3557E	59	From 2012-10-31
ISU Dolj	DJISU	Romania	44.2971N	23.8363E	160	From 2012-11-21
ISU Giurgiu	GRISU	Romania	43.8898N	25.9518E	66	From 2012-10-31
ISU Mehedinti	MHISU	Romania	44.6227N	22.6535E	102	From 2012-10-31
ISUMI INFRASONIC ARRAY REFERENCE POINT	I30JP	Chiba,Japan	35.3078N	140.3138E	52	From 2005-02-28
ISU Olt	OTISU	Romania	44.4278N	24.3755E	210	From 2012-10-31
ISU Teleorman	TRISU	Romania	43.9719N	25.3296E	87	From 2012-10-31
Itadori	ITD	Gifu,Japan	35.7238N	136.7804E	390	
Itaipu	ITB	Parana,Brazil	24.7936S	54.2089W	300	
Itaipu 1	ITB1	Parana,Brazil	24.6467S	54.3886W		From 1983-01-01
Itaipu 7	ITB7	Parana,Brazil	25.1222S	54.1753W	400	
Itaituba	ITTB	Para,Brazil	4.3672S	55.7343W	118	From 2014-05-05
Itaka	ITKT	Tanzania,United Republic of Tanzania	8.8728S	32.7830E	1590	From 1992-06-14
Itakohorinouchi	JIHU	Ibaraki,Japan	35.9658N	140.5258E	11	From 2012-07-01
Italian Canyon	ICI	Idaho,U.S.A.	44.3293N	112.9410W	2463	From 1992-01-01
Itanagar	INR	Arunachal Pradesh,India	27.0800N	93.6000E		From 1981-05-01
ITANAGAR	ITAN	Arunachal Pradesh,India	27.1446N	93.7219E	214	From 2011-05-01
Itanhaem-SP	PET01	Sao Paulo,Brazil	24.2901S	47.2753W	150	From 2011-01-30
Itaparica	ITR	Pernambuco,Brazil	8.7614S	38.4233W	321	
Itaparica 2	ITR2	Pernambuco,Brazil	9.0970S	38.2548W	375	
Itaparica 5	ITR5	Pernambuco,Brazil	8.9998S	38.4595W	315	
Itapeh - BA	NBIT	Bahia,Brazil	14.9307S	39.4345W	183	From 2011-10-13
Itaqui	ITQB	Rio Grande do Sul,Brazil	29.6714S	56.6241W	80	From 2013-12-01
Itatiaia	ITA	Rio de Janeiro,Brazil	22.3756S	44.7017W	2530	
Itaya	JFI	Fukuoka,Japan	33.4272N	130.3883E	660	
Itea	ITE1	Greece	38.4338N	22.4272E	14	From 2012-09-15
Itezhi-Tezhi	ITZ	Zambia	15.7465S	26.0157E	1106	From 1984-01-01
Ithaca	INY	New York,U.S.A.	42.4438N	76.4836W	238	From 1972-08-05
Ithaca	ITH	New York,U.S.A.	42.4500N	76.4833W	243	From 1909-01-01 to 1999-08-25
Ithaki	ITC1	Greece	38.3645N	20.7156E	1	From 2012-10-01
Ithomi	ITHO	Greece	37.1786N	21.9252E	400	
Ithomi	ITM	Greece	37.1797N	21.9267E	400	From 1974-10-01
Ito	ITO	Shizuoka,Japan	34.9667N	139.1000E		From 1937-06-01 to 1949-09-30
Itoigawa	ITGE	Niigata,Japan	37.0082N	137.9992E	270	
Itoiz	IPRE	Spain	42.8058N	1.3564W	530	From 2005-05-18
It Ong	MLVB	Vietnam	21.5060N	104.0315E	205	
Itumba	ITBT	Tanzania,United Republic of Tanzania	9.4287S	33.1858E	1270	From 1992-06-15
Iturama	ITRB	Minas Gerais,Brazil	19.7042S	50.3590W	431	From 2012-09-01 to 2099-01-01
Itzapa	ITG	Guatemala	14.5968N	90.8455W	2320	From 1984-07-01
Iul'tin	ILT	Magadanskaya Oblast',Russia	67.8700N	178.7300W	244	
Iuzhnay	IUG	Kazakhstan	42.1470N	70.0310E	1200	From 1989-09-01
Ivanjica	IVAS	Serbia	43.5764N	20.1524E	811	From 2008-10-22
Ivanof Bay	IVF	Alaska,U.S.A.	55.8958N	159.5300W	275	
Ivanovka	IVK	Irkutskaya Oblast',Russia	51.8009N	104.4140E	470	From 2011-05-29
Iverson Ranch	PIRM	California,U.S.A.	35.5544N	120.2234W	471	
IVIC	IVIV	Venezuela	10.4038N	66.9743W	2375	From 2004-02-17
Ivigtut	IVI	Greenland	61.2058N	48.1712W	15	From 2011-09-12
Ivujivik	IVKQ	Quebec,Canada	62.4184N	77.9113W	7	From 2006-09-16
Iwai-Kita	IWJ	Chiba,Japan	35.0981N	139.8714E	0	
Iwaki	IWK	Fukushima,Japan	37.0000N	140.9490E	35	
Iwakimizuishiyama	ONAJ	Fukushima,Japan	37.1017N	140.7983E	650	From 2002-03-28
Iwanai	IWN	Hokkaido,Japan	42.6705N	143.0462E	235	From 1976-07-01
Iwaosan	IWO	Mie,Japan	34.8825N	136.1322E	400	
Iwasaki	JIW	Aomori,Japan	40.5928N	140.0070E	330	
Iwateshizukuishi	JSZI	Iwate,Japan	39.7415N	140.9527E	256	From 2012-07-01
Iwatsuki	IWT	Saitama,Japan	35.9258N	139.7381E	-3501	
Iwo jima	YUO	Bonin Islands,Japan	24.7833N	141.3170E		
Ixhuatan	IHC	Chiapas,Mexico	17.2906N	93.0083W		
Ixpaco	IXG	Guatemala	14.1743N	90.4545W	1420	From 1984-10-01
Ixtacomitan	IXC	Chiapas,Mexico	17.4272N	93.1008W		
Ixtapalapa	IXT	Mexico D.F.,Mexico	19.4000N	99.1000W		
Iza	SRO1	Slovakia	47.7622N	18.2328E	111	From 2004-09-25
Izabela	IZAB	Slovakia	48.5689N	19.7126E	450	From 2013-11-20
Izee	I07A	Oregon,U.S.A.	44.0820N	119.5042W	1293	From 2006-07-21 to 2009-01-08
Izmir	IZM	Turkey	38.3978N	27.2625E	632	From 1973-03-18
Izmir	URLA	Turkey	38.3602N	26.5955E	495	From 2005-05-03
ˆzmir	ZEY	Turkey	38.2389N	26.5033E	76	From 2007-11-30
ˆzmir	DGB	Turkey	38.0521N	26.8826E	22	From 2007-04-04
ˆzmir-Bergama	ZEDA	Turkey	38.9665N	27.0771E	174	From 2013-02-19

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
¯zmir/Urla-Zeytineli	ZEYE	Turkey	38.2390N	26.5032E	75	From 2014-12-02
Iznik	IZN	Turkey	40.4338N	29.7605E	195	From 1978-11-01 to 1999-08-25
Iznik	IZI	Turkey	40.3368N	29.4728E	910	From 1990-01-01
Izon-la-Bruisse	OG28	Rhone-Alpes,France	44.2582N	5.5975E	1040	From 1991-07-18
Izuhara	IZUJ	Nagasaki,Japan	34.1950N	129.2930E	3	From 1991-09-01
Izuhara	IZU	Nagasaki,Japan	34.1950N	129.2933E	18	
Izuhara 2	IZU2	Nagasaki,Japan	34.2273N	129.2733E	410	From 1991-02-26 to 2002-10-23
Izuhatsuma	JHTM	Shizuoka,Japan	34.9588N	139.0087E	230	From 2012-11-01
Izumi	IZT	Hyogo,Japan	34.9722N	134.8876E	230	
Izumi	JIU	Kumamoto,Japan	32.5733N	130.7933E	230	
Izumi 2	JIU2	Kumamoto,Japan	32.5453N	130.8145E	260	
Izumi3	JIU3	Kumamoto,Japan	32.5490N	130.8127E	250	From 2013-04-01
Izumosakaura	JISK	Shimane,Japan	35.5005N	132.8488E	166	From 2013-07-01
Izumozaki	JIZZ	Niigata,Japan	37.5317N	138.7095E	40	
Izushimoda	JIZS	Shizuoka,Japan	34.7178N	138.8782E	135	
Izvestkoviy	IZV	Kazakhstan	43.0360N	76.6130E	1720	From 1992-09-01
Izvoarele	IZVR	Romania	45.5432N	27.7672E	59	From 2013-09-28
Izvoarele B	IZVB	Romania	45.5619N	27.7686E	58	From 2013-10-05
Jabagly	JBG	Kazakhstan	42.4230N	70.5440E	1470	From 1991-09-01
Jabal Ad Dan - Dhamar Gov. - Yemen	ADDN	Yemen	14.3530N	43.8500E	2598	From 1997-01-20
Jabal al Asfar	ASF	Jordan	32.1723N	36.8972E	937	
Jabal al Khashab	KHB	Egypt	29.9280N	30.9750E	265	
Jabal al Moallq	JMOS	Saudi Arabia	29.1686N	35.1094E		
Jabal at Tayr	GTR	Egypt	25.5096N	30.5595E	160	
Jabal bu Thady	BTHT	Tunisia	35.1323N	10.2852E	240	
Jabal Farasan	FRJS	Saudi Arabia	22.5905N	39.3638E		
Jabal Katrina	HKAT	Egypt	28.5229N	33.9928E	1746	
Jabal Laban	LBNS	Saudi Arabia	21.0465N	39.9013E		
Jabal Madar	JMDO	Oman	22.3701N	58.1035E	350	From 2001-07-01
Jabal Masmas	HMSM	Egypt	22.8814N	31.8890E	380	
Jabal Moqyreh	JMQS	Saudi Arabia	28.8861N	35.8778E		
Jabalpur	JBP	Madhya Pradesh,India	23.1667N	79.9833E	0	
Jackboy Hill	MJHT	Montserrat	16.7672N	62.1698W	149	
Jackerath	JCK	Nordrhein-Westfalen,Germany	51.0350N	6.4309E	-240	From 1981-01-01
Jackman	JKM	Maine,U.S.A.	45.6555N	70.2426W	378	
Jack Peak	JPK	Alaska,U.S.A.	61.0552N	146.5978W	835	
Jackson	JS-TN	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	348A	Alabama,U.S.A.	31.4129N	87.9023W	57	From 2011-03-20 to 2013-01-25
Jackson	G14A	Montana,U.S.A.	45.2432N	113.4604W	2140	From 2006-11-10 to 2009-06-10
Jackson	JS-	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson Bay	JCZ	South Island,New Zealand	44.0732S	168.7855E	1062	From 2004-06-23
Jackson Lake Dam	JLDW	Wyoming,U.S.A.	43.8562N	110.5873W	2074	
Jackson Lee, Bay Springs	246A	Mississippi,U.S.A.	32.0143N	89.1286W	113	From 2011-03-26
Jacksonville	238A	Texas,U.S.A.	32.0034N	95.1203W	126	From 2010-02-22 to 2011-12-11
Jacksonville	JAC	Florida,U.S.A.	30.4167N	81.6500W	9	From 1950-01-01 to 1956-12-31
Jacmel	JAKH	Haiti	18.2377N	72.5180W	47	
Jacoby Creek, Bayside	JCC	California,U.S.A.	40.8175N	124.0296W	27	From 2001-04-11
Jacura	JACV	Venezuela	11.0880N	68.8300W	349	From 2002-10-30
Jacuzzi	JCUZ	Hawaii,U.S.A.	19.3841N	155.1016W	753	
Jaen	EXJA	Spain	37.7720N	3.7890W	549	
Jaglot	DDJ	Pakistan	35.6900N	74.6040E	1575	From 2012-01-01
Jaguaretama	CS6B	Ceara,Brazil	5.4945S	38.6708W	112	From 2003-10-03 to 2005-06-16
Jahan bin	JHBN	Iran	32.2312N	50.6657E	2657	From 2011-01-01
Jahrom	JHRM	Iran	28.5053N	53.5771E	1019	From 2011-01-17
Jahuel	JACH	Aconcagua,Chile	32.6819S	70.5929W	1075	
Jaisalmer	JASL	Rajasthan,India	26.9243N	70.9030E	223	From 2002-01-18
Jajag, Banyuwangi	JAGI	Jawa,Indonesia	8.4702S	114.1521E	171	From 2008-07-21
Jakarta	DJA	Jawa,Indonesia	6.1833S	106.8362E	8	
Jalalah	GLL	Egypt	29.5772N	31.7081E	530	
Jalan Bani Buhassan	JLN	Oman	22.1505N	59.4108E	190	
Jama	JAMA	Ecuador	0.2612S	80.2058W	680	From 1992-02-05
Jamag	JMAG	Xizang Zizhiqu,China	29.6880N	91.6694E	4160	From 2004-06-14
JAMBI	JMBI	Jawa,Indonesia	1.6335S	103.6417E	0	From 2005-01-01
James Farms, Milford	R14A	Utah,U.S.A.	38.2987N	113.0213W	1542	From 2007-02-27 to 2008-09-18
Jamestown	P50A	Ohio,U.S.A.	39.6086N	83.7988W	318	From 2012-06-19
Jamestown	U50A	Tennessee,U.S.A.	36.4156N	84.8431W	474	From 2012-05-28
Jamestown	JMS1	South Australia,Australia	33.2045S	138.6092E	460	From 2011-06-29
Jamestown	JAS	California,U.S.A.	37.9466N	120.4393W	428	From 1964-01-01 to 1984-06-30
Jamestown	JAS1	California,U.S.A.	37.9267N	120.4210W	398	From 1984-07-03 to 1986-11-06
Jamestown Central School	AUJCS	South Australia,Australia	33.2000S	138.6100E	464	From 2013-08-11
Jammu	JMU	Jammu and Kashmir,India	32.7167N	74.9000E		
Janakpur	JANA	Nepal	26.7107N	85.9242E	77	From 2001-11-13 to 2002-06-03
Jandula	JAND	Spain	38.2200N	3.9700W	645	From 2006-05-01
Jangheung	KSJAH	Republic of Korea	34.6847N	126.9196E	0	From 2000-12-08
Jangngalda	ST34	Xizang Zizhiqu,China	33.4086N	88.7644E	4989	From 1998-07-10 to 1998-10-03
Jangpyeong	KUJA	Republic of Korea	34.8885N	128.6047E	-3	From 2012-10-09
Jangsu	KSJAS	Republic of Korea	35.6569N	127.5203E	407	From 2002-10-21
Janina	JAN	Greece	39.6567N	20.8508E	540	
Jan Mayen	JMIC	Norway	70.9866N	8.5052W	158	
Jan Mayen	JMI	Jan Mayen Island,Norway	70.9283N	8.7308W	50	From 1996-01-18
Jan Mayen East	JNE	Jan Mayen Island,Norway	70.9900N	8.2970W	57	From 1996-01-18
Jan Mayen West	JNW	Jan Mayen Island,Norway	71.0290N	8.4280W	95	From 1996-01-18
Jannena	JAN2	Greece	39.6640N	20.8519E	509	From 2011-06-15
Jannena	JAN3	Greece	39.6838N	20.8377E	476	From 2011-06-15
Januaria	JAN08	Minas Gerais,Brazil	15.0413S	44.2969W	710	From 2007-01-01 to 2008-12-31
Januaria	JANB	Minas Gerais,Brazil	15.0580S	44.3112W	686	From 2008-01-01
Januaria	JAN03	Minas Gerais,Brazil	15.1363S	44.2479W	622	From 2007-01-01 to 2008-12-31
Januaria	JAN06	Minas Gerais,Brazil	14.9963S	44.2909W	727	From 2007-01-01 to 2008-12-31
Januaria	JAN07	Minas Gerais,Brazil	15.0579S	44.3120W	686	From 2007-01-01 to 2008-12-31
Januaria	JAN09	Minas Gerais,Brazil	15.0373S	44.2457W	780	From 2007-01-01 to 2008-12-31
Jaout	JAU	Aquitaine,France	43.0380N	0.3693W	1545	
Jarabacoa	DR07	Dominican Republic	19.0856N	70.5981W	1030	
Jarash	JARJ	Jordan	32.2375N	35.9461E	840	From 1984-10-01
Jardin	JDN	Chiapas,Mexico	17.1650N	92.5000W	920	
Jarkent	DJR	Kazakhstan	44.3320N	79.7900E	1080	From 1987-09-01
Jarkhoshk	JRKH	Iran	35.9079N	60.3494E	1205	From 2011-10-26
Jarrell	435A	Texas,U.S.A.	30.7830N	97.5851W	247	From 2009-11-11 to 2010-01-15
Jarrell	435B	Texas,U.S.A.	30.7827N	97.5850W	248	From 2010-01-15
Jarrettsville	P59A	Maryland,U.S.A.	39.6101N	76.4327W	157	From 2013-04-27
Jask	JSK1	Iran	25.6379N	57.7701E	15	From 2013-05-15
Jasper	JA-	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JP-	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper	Y48A	Alabama,U.S.A.	33.9131N	87.1696W	170	From 2011-12-17
Jasper	JA-MN	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JP-AT	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper Ridge	JRSC	California,U.S.A.	37.4037N	122.2387W	70	From 1994-06-30
Jatai	JATB	Goias,Brazil	17.8929S	51.4929W	819	From 2004-01-07 to 2006-08-09
Jatiwangi	JCJI	Jawa,Indonesia	6.4900S	108.2700E	0	
Jato	JAT	Guatemala	14.3180N	91.6367W	68	From 1979-11-01
J.Aulia	JAWL	Sudan	15.2340N	32.4820E	426	From 2003-11-01
Jausiers	JAUF	Provence-Cote d'Azur,France	44.4292N	6.7500E	1585	From 1990-09-12
Javornik	JAVS	Slovenia	45.8934N	14.0643E	1100	From 2004-01-01
Jaww	BJA	Bahrain	25.9917N	50.6083E		
Jayapura	JAY	Irian Jaya,Indonesia	2.5148S	140.7047E	400	From 1973-04-01
Jazan	JAZS2	Saudi Arabia	16.7587N	43.0486E	100	
Jazzator, Altay Republic, Russia	DGZ	Altayskiy Kray,Russia	49.7005N	87.4316E	1606	From 2003-08-20
J Bar K, Exeter	N33A	Nebraska,U.S.A.	40.7384N	97.4506W	475	From 2010-06-17 to 2012-04-22
Jbel Babet	JBB	Morocco	35.0130N	4.1980W	1230	From 1994-08-10
Jbel Lahdid	JHA	Morocco	31.7360N	9.4540W	725	
Jbel Ouklim	JOK	Morocco	31.4060N	5.5650W	1669	
JBK	JBK	Morocco	34.3350N	2.5670W	1774	
J-C Ranch, Comstock	530A	Texas,U.S.A.	30.1489N	101.3379W	636	From 2009-02-24 to 2011-01-19
Jecheon	KSJEC	Republic of Korea	37.1538N	128.1912E	263	From 2000-11-20
Jeddah	JEDS	Saudi Arabia	21.7197N	39.4161E	215	
Jeeralang Junction	JENM	Victoria,Australia	38.3507S	146.4197E	330	
Jefferson	P23A	Colorado,U.S.A.	39.3741N	105.8388W	3006	From 2008-06-24 to 2010-06-16
Jefferson College	JCMO	Illinois,U.S.A.	38.2575N	90.5585W	237	
Jehonathan	JNI	Israel	32.9500N	35.8270E	500	
Jehsanih	JEHI	Bali,Indonesia	8.0833S	115.2130E	60	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Jeju	KSJJU	Republic of Korea	33.4306N	126.5463E	542	From 2003-12-03
Jena	JE-LA	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jena	JEN	Thuringen,Germany	50.9519N	11.5833E	193	
Jena (USA)	JE-	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jenkinsville	JSC	South Carolina,U.S.A.	34.2817N	81.2603W	120	
Jenks	V36A	Oklahoma,U.S.A.	35.7863N	95.9425W	236	From 2010-06-10 to 2012-02-09
Jenolan Black	JBRM	New South Wales,Australia	33.7618S	150.0486E	1235	
Jenolan Caves	JNL	New South Wales,Australia	33.8257S	150.0219E	829	From 1959-01-01
Jensen Ranch, Palermo	B26A	North Dakota,U.S.A.	48.3762N	102.2341W	708	From 2009-07-29 to 2011-07-24
Jenson Cabin	JECI	Idaho,U.S.A.	44.3722N	114.1840W	2135	From 1983-12-01
Jeongeup	KSJEU	Republic of Korea	35.4935N	126.9298E	182	From 2003-11-26
JEONGSEON	KSJES	Republic of Korea	37.4303N	128.6654E	414	From 2006-12-30
Jeonju	KSCHO	Republic of Korea	35.8178N	127.1542E	53	From 1999-05-18
Jeonju	KSJEO	Republic of Korea	35.9379N	127.2928E	176	From 2007-12-12
Jequitai-MG	JQT1	Minas Gerais	17.2394S	44.3577W	615	From 2015-06-01
Jerez de los Caballeros, Badajoz	E028	Spain	38.3553N	6.8073W	602	From 2007-09-13 to 2009-06-18
Jeri Cho Mine, NWT	JERN	Northwest Territories,Canada	66.0194N	111.4672W	476	From 2006-07-21 to 2010-07-20
Jermuk	DZR	Armenia	39.8800N	45.7000E	2115	
Jerome	JR-AZ	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jerome	JR-	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jersey	VJYM	Oregon,U.S.A.	44.9022N	120.9740W	951	
Jersey	JRS	Channel Islands,United Kingdom	49.1924N	2.0917W	53	From 1981-11-01
Jersey Dam (Crest)	JDC	Channel Islands,United Kingdom	49.1847N	2.0469W	39	From 1992-07-01
Jersey Dam (Gallery)	JDG	Channel Islands,United Kingdom	49.1947N	2.0469W	7	From 1992-07-01
Jerusalem	JER	Israel	31.7719N	35.1972E	770	From 1954-01-01
Jesolo	IESO	Italy	45.5200N	12.5500E	0	
Jessenland, Henderson	H36A	Minnesota,U.S.A.	44.5775N	93.9281W	311	From 2010-09-29 to 2012-09-10
Jettan, Norway	JETT	Norway	69.5557N	20.4095E	631	From 2014-11-05
Jette	JTMT	Montana,U.S.A.	47.7467N	114.2825W	1469	
Jewell Farm	JFWS	Wisconsin,U.S.A.	42.9143N	90.2481W	335	From 1992-07-29
Jhansi	JHNI	Uttar Pradesh,India	25.4658N	78.5395E	250	
Jialang	AXDP	Taiwan region	24.9000N	117.9700E	0	From 2011-07-22
Jiali	SCLT	Taiwan region	23.1750N	120.1940E	7	
Jianjiangzhen	LYJJ	Taiwan region	26.5500N	119.7600E	0	From 2011-07-22
Jian Township	EGA	Taiwan region	23.9730N	121.5630E	37	From 1998-08-07
Jiashian	SGST	Taiwan region	23.0820N	120.5830E	278	
Jicamarca	PT05	Peru	11.9548S	76.8693W	700	
Jicaral	JCR	Costa Rica	9.8498N	85.1118W	575	
Jichi Village	TEGC	Taiwan region	23.7090N	121.5400E	5	From 1999-08-04
Jillco Farms, Salem	S41A	Missouri,U.S.A.	37.5877N	91.7458W	376	From 2011-06-18
Jilotepec	JIL	Veracruz,Mexico	19.6307N	96.9333W	1330	
Jimani	JIDR	Dominican Republic	18.4910N	71.8507W	13	From 2010-01-22
Jim Creek	JCW	Washington,U.S.A.	48.1935N	121.9300W	616	
Jimena Frontera	EJIF	Spain	36.4513N	5.4688W	260	From 1988-05-20
Jimena Frontera	EJIM	Spain	36.4514N	5.4689W	260	From 1987-04-01 to 1988-05-19
Jim Sage Mountain	JSM	Idaho,U.S.A.	42.1313N	113.3825W	1524	
Jim Taylor Road, Stokes	V60A	North Carolina,U.S.A.	35.7650N	77.2629W	8	From 2013-04-06
Jindabyne	JIN	New South Wales,Australia	36.4394S	148.5930E	960	From 1958-01-01 to 1972-08-09
Jindo	KSJDO	Republic of Korea	34.4700N	126.3166E	477	From 2007-12-13
Jindrichovice	JIND	Czech Republic	50.2621N	12.6168E	722	
Jinju	KSCHI	Republic of Korea	35.2032N	128.1194E	21	From 1999-05-16
Jinju	KSJIN	Republic of Korea	35.1615N	128.0301E	72	From 2005-12-16
Jinotega	JIG	Nicaragua	13.2012N	85.7708W	1249	From 1975-01-01
Jiouru	SGLT	Taiwan region	22.7250N	120.4910E	30	
Jiquilpan	JQX	Baja California,Mexico	32.5080N	115.0710W	5	
Jirandeh	JIR1	Iran	36.7077N	49.8021E	1567	From 2015-07-12
Jiri	JIRN	Nepal	27.6600N	86.1900E	3064	From 1994-04-01
Jiri	JIRI	Nepal	27.6342N	86.2303E	1866	From 2001-10-15 to 2002-10-22
Jirik Farms, Max	C35A	Minnesota,U.S.A.	47.7007N	93.9763W	426	From 2010-09-14 to 2012-08-09
Jiuhuzhen	ZZJH	Fujian,China	24.4700N	117.6300E	0	From 2011-07-22
Jizan	JAZS	Saudi Arabia	17.0684N	42.9174E	173	
Jizan	JIZN	Saudi Arabia	16.9590N	42.8250E	100	From 1989-02-01
Joao Camara	JC1B	Rio Grande do Norte,Brazil	5.5703S	35.8525W	109	
Joao Camara	JC04	Rio Grande do Norte,Brazil	5.4582S	35.6978W	120	
Joao Camara	JC06	Rio Grande do Norte,Brazil	5.5173S	35.7373W	130	
Joao Camara	JC20	Rio Grande do Norte,Brazil	5.6117S	35.7467W	120	
Joao Camara	JC05	Rio Grande do Norte,Brazil	5.4493S	35.7795W	140	
Joaquin Canyon North	JCNB	California,U.S.A.	35.9390N	120.4311W	309	
Joaquin Canyon South	JCSB	California,U.S.A.	35.9212N	120.4340W	299	
Joaquin Lookout	JOAQ	New Mexico,U.S.A.	35.7708N	106.8410W	2768	From 1978-11-11
Joaquin Road	JJRM	California,U.S.A.	37.3447N	122.2010W	430	
Jocassee View	JVW	South Carolina,U.S.A.	34.9923N	82.9977W	554	
Jochberg	RJOB	Bayern,Germany	47.7372N	12.7957E	860	From 2001-05-15
Jocotitlan	JCM	Mexico D.F.,Mexico	19.7342N	99.7611W		From 1988-01-01
Jocotitlan	IIJ	Mexico:State,Mexico	19.7340N	99.7340W	3900	
Joensuu	JOE	Finland	62.6517N	29.6950E	90	
Joensuu	JOF	Finland	62.9182N	31.3124E	180	From 1981-09-29
Joes South Fork Station, Corydon	N38A	Iowa,U.S.A.	40.7931N	93.2350W	317	From 2010-11-15 to 2012-09-12
JOFS	JOFS	Saudi Arabia	29.4140N	38.6080E	687	
Johannesberg	BPI	Transvaal,South Africa	26.1750S	28.0300E	1700	
Johannesburg	JOH	Transvaal,South Africa	26.1817S	28.0750E	1806	
John Jarvie Ranch (BLM), Flaming Gorge	N19A	Utah,U.S.A.	40.8936N	109.1772W	1703	From 2007-08-18 to 2009-04-24
Johnnie	JON	Nevada,U.S.A.	36.4399N	116.1033W	939	From 1978-07-24 to 2002-12-10
Johnny Jack Ridge	KJJM	California,U.S.A.	40.2477N	124.3070W	725	
John Paul College, Kalgoorlie	AUKAL	West Australia,Australia	30.7600S	121.4800E	373	From 2012-09-16
John's Creek	JCE1	Oklahoma,U.S.A.	35.5812N	97.9003W	413	
John Shaw Road	KB2O	Ontario,Canada	45.3859N	76.1562W	95	From 2013-10-01
John Shaw Road, remote	KB6O	Ontario,Canada	45.3905N	76.1668W	90	From 2013-11-01
John Smith Road	HJSM	California,U.S.A.	36.8165N	121.2990W	215	From 1975-06-01
Johnson	JHN	Nebraska,U.S.A.	40.4469N	96.0175W	329	From 1978-12-01 to 2001-07-15
Johnson Can.	BJCM	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Can.	AN15*	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Canyon	JHC	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Farm, Hartsville	X57A	South Carolina,U.S.A.	34.4643N	80.0940W	133	From 2013-02-09
Johnson Ranch, Cut Bank	A15A	Montana,U.S.A.	48.9777N	112.7327W	1236	From 2007-09-13 to 2009-08-13
Johns Peak	WJPM	California,U.S.A.	35.4109N	118.4820W	1090	
John Stanford Center Downhole Anss-SM	SSS1	Washington,U.S.A.	47.5818N	122.3311W	-20	From 2004-10-24
Johnston I.	JN-	Line Islands,Kiribati	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JN-IS	Johnston Island,U.S.A.	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JOHN	Johnston Island,U.S.A.	16.7329N	169.5292W	-36	
Jokulheimar	IJOK	Iceland	64.3153N	18.2255W	736	From 2011-09-27
Jolon Road	PJLM	North America,U.S.A.	36.0905N	121.1581W	240	
Jolon Road	JOL	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jolon Road	PJRM	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jones	149A	Alabama,U.S.A.	32.5983N	86.7916W	138	From 2012-01-17
Jonesboro	V43A	Arkansas,U.S.A.	35.7857N	90.5443W	74	From 2011-07-20 to 2013-03-12
Jones Farm, Ritzville	D09A	Washington,U.S.A.	47.0615N	118.3092W	540	From 2006-08-29 to 2008-06-10
Jones High Sch.	OK001	Oklahoma,U.S.A.	35.5611N	97.2895W	350	
Jones Ranch, Declo	K14A	Idaho,U.S.A.	42.5452N	113.1760W	1387	From 2006-12-28 to 2009-05-07
Joppolo	JOPP	Italy	38.6068N	15.8856E	500	From 2006-08-07
Jordan	JO-	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	JO-MN	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	GUIM	Panay,Philippines	10.6260N	122.5890E	50	
Jordan Butte	JBO	Oregon,U.S.A.	45.4616N	119.8370W	645	From 1982-09-01
Jordanelle	JLU	Utah,U.S.A.	40.6019N	111.4499W	2285	From 1981-09-28
Jordan Ranch	JRTX	Texas,U.S.A.	32.9340N	100.9530W	804	From 1979-01-01
Jordan River	JRBB	British Columbia,Canada	48.4300N	123.0522W	24	From 2008-05-13
Jordan Valley	JVI	Israel	31.9380N	35.3390E	680	From 1986-07-17
Jorden Valley SMO	JORV	Oregon,U.S.A.	42.9777N	117.0537W	1338	From 2004-07-01
Jorhat	JHI	Assam,India	26.7333N	94.1667E	84	From 1979-01-01
JORHAT	JORH	Assam,India	26.7430N	94.2513E	79	From 2011-05-01
Joseni	JOSR	Romania	46.7059N	25.5154E	749	From 2010-08-18
Joseph F. Staten	JFS	California,U.S.A.	35.3508N	117.6700W	1433	From 1979-06-01
Joseph's Coat	YJC	Wyoming,U.S.A.	44.7555N	110.3492W	2684	
Joshimath	JOSI	India	30.5558N	79.5582E	1889	From 2002-04-09
Joshua Ridge	JRC2	California,U.S.A.	35.9825N	117.8089W	1469	
Joshua Ridge West	JRWM	California,U.S.A.	35.9943N	117.8215W	1366	
Joshua Tree	NYJ	Nevada,U.S.A.	37.0080N	115.9750W	1286	From 1971-01-01 to 1973-01-31
Joshua Tree Park	JTR	California,U.S.A.	33.8140N	115.9002W	1372	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Josvafo	JOS	Hungary	48.4958N	20.5394E	280	
Jouge	JJG	Hiroshima,Japan	34.6412N	133.1543E	470	
Jozini	JOZ	Natal,South Africa	27.4450S	32.0783E	244	From 1976-07-01 to 1999-08-25
J Risha	RSHJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J Risha	JRSJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J. Sargeant Reynolds Community College	JSRW	Virginia,U.S.A.	37.6938N	77.8786W	67	
J Saunders Place	SNDA	California,U.S.A.	33.5519N	116.6129W	1358	
Jston Ridge Obs	JRO	Washington,U.S.A.	46.2751N	122.2178W	1280	
Juana Nunez	DR1	Dominican Republic	19.3114N	70.6961W		
Juana Nunez	DR01	Dominican Republic	19.3114N	70.6961W	505	
Juan Diaz	JUD	Costa Rica	10.1620N	85.5470W	844	From 1984-11-01
Juan Diaz 2	JUD2	Costa Rica	10.1670N	85.5412W	680	
Juan Diaz 3	JUD3	Costa Rica	10.1659N	85.5388W	665	
Juan Fernˆ¡ndez	VA04	Juan Fernandez Islands	33.6427S	78.8299W	117	From 2014-05-27
Juan Fernandez Island Hydroacoustic Site N1	H03N1	Juan Fernandez Islands,Chile	33.4412S	78.9120W	-2657	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site N2	H03N2	Juan Fernandez Islands,Chile	33.4399S	78.9324W	-2765	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site N3	H03N3	Juan Fernandez Islands,Chile	33.4556S	78.9240W	-2316	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site S1	H03S1	Juan Fernandez Islands,Chile	33.8437S	78.9058W	-2700	From 2003-07-23 to 2004-05-01
Juan Fernandez Island Hydroacoustic Site S2	H03S2	Juan Fernandez Islands,Chile	33.8370S	78.9262W	-2722	From 2003-07-23 to 2004-05-01
Juan Fernandez Island Hydroacoustic Site S3	H03S3	Juan Fernandez Islands,Chile	33.8258S	78.9095W	-2619	From 2003-07-23 to 2004-05-01
Juara	PAR1	Mato Grosso	11.5548S	57.8661W	314	From 2015-05-20
Jubany	JUBA	South Shetland Islands	62.2373S	58.6627W	16	
Jud	E30A	North Dakota,U.S.A.	46.5021N	98.9098W	544	From 2009-08-20 to 2011-06-25
Judd Hill Plantation	JHP	Arkansas,U.S.A.	35.6050N	90.5100W	68	
Jufra	LJFR	Libya	29.1018N	15.8128E	351	
Jug	JUM	New Mexico,U.S.A.	35.9050N	106.6680W	2400	
Jugenheim	JUG	Hessen,Germany	49.7667N	8.6000E		
Juina	PAR3	Mato Grosso	11.4656S	58.7166W	347	From 2015-08-11
Juina	PAR6	Mato Grosso	11.5171S	58.1693W	260	From 2015-08-10
Juina	PAR4	Mato Grosso	11.5332S	59.0580W	352	From 2015-08-11
Juive	JUIV	Ecuador	1.4238S	78.4647W	2380	From 1992-02-04
Juive	JUI6	Ecuador	1.4244S	78.4686W	2422	From 2007-07-13
Juive 3	JUI3	Ecuador	1.4218S	78.4767W	2425	
Juiz de Fora	JFO	Minas Gerais,Brazil	21.7277S	43.3254W	780	From 1990-08-01
Jujurieux	OG05	Franche Comte,France	46.0405N	5.4583E	400	
Jujuy	JUJ	Jujuy,Argentina	24.2458S	65.2728W	1270	
Julian	JULC	California,U.S.A.	33.0483N	116.6130W	1292	From 1978-04-01
Julich	JUE	Nordrhein-Westfalen,Germany	50.9100N	6.4070E	91	From 1974-11-01
Jumaytepeque	JMG	Guatemala	14.3387N	90.2703W	1815	From 1979-05-01
Jumilla	EXJU	Spain	38.4750N	1.3160W	520	
Jumkunaria	JUMK	Gujarat,India	23.3600N	70.3400E	-25	From 2012-01-01
Jumunjin	KSJMJ	Republic of Korea	37.8816N	128.7561E	75	From 2008-01-01
Junction	R15A	Utah,U.S.A.	38.2108N	112.2767W	1861	From 2007-05-21 to 2009-03-11
Junction City	JCT	Texas,U.S.A.	30.4794N	99.8022W	591	From 1965-03-01
Junction City	H41A	Wisconsin,U.S.A.	44.6164N	89.6534W	348	From 2011-08-11 to 2013-06-08
Juneau Island	JIS	Alaska,U.S.A.	58.2762N	134.3831W	10	From 1995-04-18
June Lake	JLK	Washington,U.S.A.	46.1467N	122.1530W	1049	
Jungingen	JUND	Baden-Wurttemberg,Germany	48.3301N	9.0408E	600	From 1976-01-01
Jungrangju	KSJUR	Republic of Korea	37.6136N	127.0886E	56	From 2007-01-01
Juni	PT11	Peru	11.5490S	75.7150W	4480	From 1983-09-21
Juniper Basin Ranch, Riddle	L10A	Idaho,U.S.A.	42.0773N	116.4711W	1537	From 2007-01-10 to 2008-08-16
Juniper Gulch	JGI	Idaho,U.S.A.	44.0925N	112.6770W	1657	From 1979-11-06
Juniper Hills	JNH	California,U.S.A.	34.4475N	117.9540W	1317	From 1977-11-01
Juniper Island	ISLE	Alaska,U.S.A.	60.6025N	142.3391W	1485	
Juniper Ridge	PJUM	California,U.S.A.	36.2270N	120.5935W	925	
Junjel	JNJ	Guatemala	15.3988N	91.4287W	3348	From 1980-01-01 to 1999-08-25
Juno	JU-TX	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juno	JU-	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
JuntasAbangares	JTS	Costa Rica	10.2908N	84.9525W	340	
Juntas del Toro	CO01	Coquimbo	29.9773S	70.0939W	2157	From 2013-02-13
Juquia	JUQB	Sao Paulo,Brazil	24.0930S	47.7163W	470	
Jurilovca	JURR	Romania	44.7661N	28.8769E	37	From 2013-11-06
Juriquilla Campus	JRQG	Queretaro de Arteaga,Mexico	20.7037N	100.4469W	1965	
Jwalamukhi	JWA	Himachal Pradesh,India	31.8667N	76.3333E		
Jwalamukhi	JWL	Himachal Pradesh,India	31.8700N	76.3706E	0	
Jyotipuram	JYP	Jammu and Kashmir,India	33.1083N	74.8500E		
Kaadhehdhoo	KAAM	Maldives	0.4926N	72.9949E	-1	From 2008-01-29
Kaahu Road	KUTZ	North Island,New Zealand	38.4891S	175.8233E	457	From 2010-04-15
Kaapuna	KUH	Hawaii,U.S.A.	19.2663N	155.8710W	524	From 1972-01-04
Kabakon Island	EDY	New Ireland,Papua New Guinea	4.2395S	152.3890E	5	
Kabaktan	KBKS	Sakha,Russia	56.6800N	122.4200E	1010	From 1989-05-01 to 1989-08-31
Kabansk	KAB	Buryatiya,Russia	52.0500N	106.6539E	468	
Kabd	KBD	Kuwait	29.1756N	47.6933E	124	
Kabsdagh	KBSD	Syria	37.0013N	40.5430E	562	From 2002-04-01
Kabul	KBL	Afghanistan	34.5408N	69.0432E	1920	
Kabul (SRO)	KAAO	Afghanistan	34.5408N	69.0432E	1920	From 1977-05-10
Kabul University	KBU	Afghanistan	34.5151N	69.1347E	1817	From 2005-11-24
Kabupaten Dompu	DBNI	Sumba,Indonesia	8.5019S	118.3121E	185	
Kace¯ov	KACW	Czech Republic	50.1436N	12.5172E	524	From 2004-01-01
Kadamtala	KATL	Andaman Islands,India	12.3656N	92.7500E	14	From 2012-01-01
Kaden, Bauxite	X41A	Arkansas,U.S.A.	34.4949N	92.5137W	102	From 2011-05-07 to 2013-02-16
Kadinhani	KDHN	Turkey	38.5211N	32.1164E	1122	From 2005-02-23
Kadzharan	KDR	Armenia	39.1500N	46.1000E	2155	From 1972-01-01
Kaena	KAE	Hawaii,U.S.A.	19.2892N	155.1320W	37	From 1973-05-08
Kaena Point	KPH	Hawaii,U.S.A.	21.5761N	158.2750W	110	From 1965-04-01 to 1976-12-31
Kaeng Krachan	PHET	Thailand	12.9100N	99.6300E	100	From 2008-01-01
Kafar-mosalman	IKFM	Iran	33.5244N	47.8469E	0	From 2008-01-01
Kafrein	KFNJ	Jordan	31.8617N	35.6760E	-90	From 1983-09-01
Kaftarguzar	KFTR	Tajikistan	38.8300N	70.1500E	1800	
Kaga	JKG	Ishikawa,Japan	36.2767N	136.3317E	25	
Kagalaska	AD3	Alaska,U.S.A.	51.7428N	176.3570W	198	From 1974-01-01 to 1992-02-01
Kagalaska Island	ETKA	Alaska,U.S.A.	51.8619N	176.4059W	290	
Kagoshima	KAG	Kagoshima,Japan	31.5508N	130.5508E	2	
Kagoshima 2	KAGJ	Kagoshima,Japan	31.1867N	130.8883E	200	
Kagssortoq	KAGG	Greenland	63.2485N	42.0349W	28	
Kahaluʻu	KHLU	Hawaii,U.S.A.	19.5920N	155.8931W	958	
Kahama	HAMA	Tanzania,United Republic of Tanzania	3.8318S	32.6430E	1222	
Kahang-Kahang	KHKI	Bali,Indonesia	8.3643S	115.6080E		
Kaharoa	KARZ	North Island,New Zealand	38.0202S	176.2443E	405	From 2006-05-02
Kahnooj	KHNJ	Iran	27.9477N	57.7056E	492	From 2013-05-15
Kahramanmaras	KMRS	Turkey	37.5053N	36.9000E	590	From 2006-08-30
Kahramanmara¯	HCB	Turkey	37.3439N	36.9081E	516	From 2009-03-01
Kahramanmara¯/Dulkadiro¯lu	KAHM	Turkey	37.5167N	36.9870E	587	From 2014-10-31
KAHRAMANMARAS_ Elbistan	ELBS	Turkey	38.3243N	37.1327E	1260	From 2011-11-02
Kahui Hut	KHEZ	North Island,New Zealand	39.2942S	174.0145E	874	From 2009-05-21
Kahuku	KHU	Hawaii,U.S.A.	19.2461N	155.6150W	1937	From 1969-08-26
Kahului Airport	KHLH	Hawaii,U.S.A.	20.8972N	156.4264W	14	
Kahuranaki	KAHZ	North Island,New Zealand	39.7942S	176.8766E	638	From 2007-06-07
Kahutara	KHZ	South Island,New Zealand	42.4160S	173.5390E	20	From 1988-12-08
Kaiam	KIAM	Papua New Guinea	7.1124S	143.9224E	307	
Kaiamu	PGKAI	New Britain,Papua New Guinea	5.4659S	150.9134E	10	
Kaibab National Forest USFS, William	V15A	Arizona,U.S.A.	35.8191N	112.1731W	1891	From 2007-04-19 to 2008-11-21
Kaikoura	KKZ	South Island,New Zealand	42.4203S	173.6965E	109	From 1980-06-17 to 1989-06-08
Kaikoura West	KKY	South Island,New Zealand	42.4183S	173.6921E	101	From 1972-06-08 to 1980-06-17
Kailua Kona	KKH	Hawaii,U.S.A.	19.6567N	156.0186W	14	From 1975-01-01
Kaimai	KMRZ	North Island,New Zealand	37.8456S	175.9416E	542	From 2011-03-08
Kaimana, Papua	KMPI	Irian Jaya,Indonesia	3.6616S	133.7044E	0	From 2008-12-01
Kaimata	KAI	South Island,New Zealand	42.5241S	171.4088E	82	From 1942-09-01 to 1990-12-05
Kainokawa	KKW	Wakayama,Japan	33.8987N	135.4420E	260	
Kaiseraugst-Friedh	SKAF	Switzerland	47.5384N	7.7199E	270	From 2006-10-04
Kaiser Creek	KCC	California,U.S.A.	37.3236N	119.3187W	888	From 1995-12-09
Kaiserville	KVN	Nevada,U.S.A.	39.0510N	118.1000W	1829	From 1972-01-13
Kaitaia	KIT*	North Island,New Zealand	35.1083S	173.2650E	91	
Kaitanak	KTNR	Altayskiy Kray,Russia	50.1470N	85.4650E	979	
Kaizawa	KZW	Aomori,Japan	40.6915N	140.3631E	160	
Kajaani	KJN	Finland	64.0853N	27.7119E	250	
Kajaani	KJF	Finland	64.1992N	27.7147E	160	From 1970-07-09 to 1990-03-31
Kajisay	KDJ	Kyrgyzstan	42.1300N	77.1800E	1799	From 2011-04-15
Kakadu	KAKA	Northern Territory,Australia	12.7115S	132.4396E	100	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kakadu	KDU	Northern Territory,Australia	12.6869S	132.4727E	46	From 2008-11-26
Kakani	KKN	Nepal	27.7900N	85.2800E	1920	From 1980-03-01
Kakaramea	KATZ	North Island,New Zealand	38.9749S	175.6949E	1327	From 1996-08-25
Kakegawa	JKKG	Shizuoka,Japan	34.7857N	137.9732E	-450	
Kakegawa	KGW	Shizuoka,Japan	34.8626N	138.0222E	69	
Kakegawashinomba	JKKS	Shizuoka,Japan	34.7510N	137.9857E	75	From 2012-11-01
Kakessio	OSIN	Tanzania,United Republic of Tanzania	3.3678S	35.0375E	1684	
Kakhk	KHI	Iran	34.1433N	58.6417E	1600	From 1971-04-01
Kakioka	KAK	Ibaraki,Japan	36.2317N	140.1930E	27	
Kakioka Outpost	KAKJ	Ibaraki,Japan	36.2050N	140.1730E	-80	From 1978-01-01
Kalaidasht	KLTT	Tajikistan	38.3800N	69.2900E	1800	From 1961-01-01 to 1995-01-01
Kalaidasht	KLD	Tajikistan	38.5300N	69.4800E		
Kalalua Cone	KLCH	Hawaii,U.S.A.	19.4058N	155.0680W	659	
Kalamaria	KLR1	Greece	40.5824N	22.9495E	54	From 2011-06-01
Kalamata	KLMT	Crete,Greece	37.0613N	22.0597E	6	From 2013-10-10
Kalamata	KAL3	Greece	37.0246N	22.1030E	126	From 2011-11-01
Kalamazoo	KZM	Michigan,U.S.A.	42.1528N	85.8211W		From 1978-02-01 to 1996-12-31
Kalaupapa	KPA	Hawaii,U.S.A.	21.1900N	156.9848W	4	
Kalavrita	KLV1	Greece	38.0326N	22.1080E	718	From 2011-10-01
Kalavryta, Achaia	KLV	Greece	38.0437N	22.1504E	758	From 2009-04-08
Kalayaan	KIPH	Spratly Islands	11.0530N	114.2840E	2	
Kalborn	LKLB	Luxembourg	50.1000N	6.1086E	320	From 1995-04-01
Kald??rsel	IKAS	Iceland	64.0229N	21.8520W	108	From 2006-02-03
Kalfafell	IKAL	Iceland	63.9480N	17.6870W	78	From 1996-10-22
Kalgarh	KALG	Uttar Pradesh,India	29.5062N	78.7537E	0	
Kalgoorlie	KLG	Western Australia,Australia	30.7837S	121.4580E	360	From 1964-01-01 to 1986-05-12
Kalgoorlie	KLGA	Western Australia,Australia	30.7175S	121.4380E	390	From 1986-05-12 to 1988-08-10
Kalianget	KMMI	Jawa,Indonesia	7.0500S	113.9667E	0	
Kaliastana	KALI	Jawa,Indonesia	7.1064S	106.6590E	810	
Kalibo	KALP	Panay,Philippines	11.6780N	122.3380E	15	
Kaliningrad	KLNR	Kaliningradskaya Oblast',Russia	54.6044N	20.2094E	8	From 2009-04-10
Kalinino	KLN4	Sakhalinskaya Oblast',Russia	46.8480N	142.0104E	20	From 2003-01-01 to 2006-12-31
Kalithea	KALE	Greece,Greece	38.3911N	22.1398E	760	From 2008-01-01
Kalix	KALU	Sweden	65.8596N	23.3567E	30	From 2006-09-19
Kallithies, Rhodes Isl.	RKL1	Greece	36.3367N	28.1712E	70	From 2012-08-01
Kalltalsperre	KLL	Nordrhein-Westfalen,Germany	50.6467N	6.3113E	440	
Kalmit	KTD	Rheinland-Pfalz,Germany	49.3202N	8.0837E	670	From 1971-10-01
Kalnik	KALN	Croatia	46.1312N	16.4557E	580	
Kalocsa	KAL	Hungary	46.5286N	18.9764E	93	
Kaloudiana Chania	KLDN	Crete,Greece	35.4870N	23.6905E	44	From 2006-12-01
Kalpa	KLP	Himachal Pradesh,India	31.5333N	78.2500E	2724	
Kalwaria Paclawska	KWP	Poland	49.6314N	22.7075E	448	From 1999-06-24
Kamafusa	KMF	Miyagi,Japan	38.2100N	140.7017E	180	
Kamakawa 2	JKK2	Kamikawa,Japan	43.8728N	142.7480E	350	
Kamakura	KMK	Kanagawa,Japan	35.3167N	139.5500E		
Kaman	KAMT	Turkey	39.3690N	33.7130E	1161	
KAMANJAB	KJAB	Namibia	19.6200S	14.8480E	1071	From 2006-04-05
Kamaran Island	KAMRY	Yemen	15.3327N	42.6158E	23	From 2007-10-10
Kamar-syah	IKMR	Iran	33.5178N	48.3803E	0	From 2008-01-01
Kamata	KTJ	Shizuoka,Japan	34.9433N	139.0870E	58	From 1979-04-01 to 1990-03-20
Kamata 2	KTJJ	Shizuoka,Japan	34.9252N	139.0640E	175	From 1990-03-20
Kamata3	KTJ3	Shizuoka,Japan	34.9338N	139.0708E	156	From 2012-07-01
Kambah	KMBH	Australian Capital Territory,Australia	35.3892S	149.0786E	599	From 1985-12-15
Kambalda	KMBL	Western Australia,Australia	31.3669S	121.8821E	370	From 2000-11-28
Kamchatka Peninsula	KAMP	Kamchatskaya Oblast',Russia	56.0220N	163.0220E	97	From 1983-08-01 to 1983-08-31
Kamchatka temporary site	ST02S	Kamchatskaya Oblast',Russia	60.9610N	166.8530E	66	
Kamchatka temporary site	ST01S	Kamchatskaya Oblast',Russia	60.4330N	166.0600E	29	
Kamchatka temporary site	ST03S	Kamchatskaya Oblast',Russia	60.9850N	166.2250E	157	
Kamenistaya	KMNR	Kamchatskaya Oblast',Russia	55.7560N	160.2370E	1100	
Kamenistyi	UL2S	Sakha,Russia	65.4100N	144.8300E	670	From 1988-01-01 to 1988-12-31
Kamenskaya	KMSK	Kamchatskaya Oblast',Russia	62.4669N	166.2055E	45	From 2010-06-24
Kamenskoye	KAMR	Kamchatskaya Oblast',Russia	62.4560N	166.2100E	64	From 1994-10-10
Kamensk Uralskiy	KAUR	Sverdlovskaya Oblast',Russia	56.4318N	61.5030E	166	From 2007-04-02
Kameyama	KMYN	Mie,Japan	34.8670N	136.3500E	240	
Kameyama	KAM	Mie,Japan	34.8567N	136.4650E	71	
Kami	KMA	Albania	42.2620N	20.2428E		
Kamigamo	KGMK	Kyoto,Japan	35.0593N	135.7657E	180	
Kamigamo	KMM	Kyoto,Japan	35.0333N	135.7000E	190	
Kamikawa	JKK	Kamikawa,Japan	43.8117N	142.8472E	430	
Kamikawa-asahi	JKA	Kamikawa,Japan	44.1160N	142.6000E	220	From 2009-01-01
Kamikineusu	KMU	Hidaka,Japan	42.2386N	142.9670E	185	From 1967-07-01
Kamikuga	KKGU	Tochigi,Japan	36.5979N	139.6250E	280	From 1976-07-17
Kamimonzen	KV02	Miyazaki,Japan	31.9931N	130.8364E	430	
Kamimuroga	KRJ	Nagano,Japan	36.4164N	138.1510E	621	From 1968-07-01
Kaminaka	KMNK	Tokushima,Japan	33.7865N	134.3057E	280	
Kaminokuni	KKJ	Hiyama,Japan	41.7789N	140.1757E	70	
Kamitakara	KTJD	Gifu,Japan	36.2802N	137.3271E	760	
Kammena Vourla	KMV1	Greece	38.7794N	22.7846E	25	From 2013-01-15
Kamo	KAMZ	Armenia	40.8250N	43.9500E	1230	
kamogawauchiura	JKUC	Chiba,Japan	35.1597N	140.1992E	80	From 2012-11-01
Kamor	KAMOR	Switzerland	47.2896N	9.4875E	1730	
Kamor/St.Gall Rh.T	LIENZ	Switzerland	47.2946N	9.4927E	1720	From 2004-10-28
Kamuela	KML	Hawaii,U.S.A.	20.0317N	155.7000W	740	
Kamusenper?, Kalajoki	OBF7	Finland	64.1766N	24.0536E	39	From 2013-03-19
Kanab	KN-UT	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KNB	Utah,U.S.A.	37.0166N	112.8220W	1715	From 1968-11-01
Kanab	KEUT	Utah,U.S.A.	37.0503N	112.5293W	1514	From 2008-05-29
Kanab	KN-	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanaga Island Cape Miga	KICM	Alaska,U.S.A.	51.9189N	177.1953W	183	
Kanaga Island Kanaga Volcano	KIKV	Alaska,U.S.A.	51.8788N	177.1704W	411	
Kanaga Island MID Benchmark	KIMD	Alaska,U.S.A.	51.7616N	177.2349W	183	
Kanaga Island North Cape	KINC	Alaska,U.S.A.	51.9314N	177.1276W	198	
Kanaga Island Round Head	KIRH	Alaska,U.S.A.	51.8996N	177.0935W	309	
Kanaga Island Westway Bight	KIWB	Alaska,U.S.A.	51.8531N	177.1508W	244	
Kanahau	KANH	Hawaii,U.S.A.	20.6933N	156.2913W	2745	
Kanaihara	KNJD	Shiga,Japan	35.5716N	136.2846E	300	
Kanaka Peak	KPK	California,U.S.A.	39.5833N	121.3050W	899	From 1969-01-01
Kanangra Walls	KANM	New South Wales,Australia	33.9966S	150.0668E	1206	
Kanayama	KNY	Fukushima,Japan	37.4004N	139.5580E	390	
Kanazawa	KAN	Ishikawa,Japan	36.5467N	136.6480E	28	
Kanazawa	KANJ	Ishikawa,Japan	36.5867N	136.6370E	0	From 1991-10-23
Kanazawa 2	KAN2	Ishikawa,Japan	36.5250N	136.7767E	530	From 1992-04-24
Kanchanaburi	KBR	Thailand	14.0167N	99.5333E	28	From 1986-12-01
Kandavu Island	KDV	Fiji	18.9655S	178.3470E	390	
Kandilli-Istanbul	KAVV	Turkey	41.0638N	29.0600E	139	From 2010-01-01
Kandira	KND	Turkey	41.0527N	30.1608E	50	From 1978-11-01 to 1999-08-25
Kanekii	KIH	Hawaii,U.S.A.	19.5093N	155.7650W	1841	
Kane Nui o Hamo	KNHH	Hawaii,U.S.A.	19.3794N	155.1693W	954	
Kaneyama	JYK	Yamagata,Japan	38.9178N	140.3590E	220	
Kangalassy	KNGL	Sakha,Russia	62.3470N	129.9710E	150	
kangal_SIVAS	CUKAN	Turkey	39.3163N	37.4667E	1523	From 2010-07-09
Kangasniemi	KAF	Finland	62.1128N	26.3061E	205	From 1977-08-31
Kangasniemi	NE62	Finland	62.1120N	26.3060E	124	
Kangerlussuaq 2	SF2	Greenland	66.9967N	50.6226W	0	
Kangerlussuaq 2	SFJD	Greenland	66.9960N	50.6215W	80	
Kangiqsualujjuaq	KAJQ	Quebec,Canada	58.6940N	65.9305W	46	From 2011-08-10
Kangiqsujuaq	KNGQ	Quebec,Canada	61.5849N	71.9483W	54	From 2011-08-05
Kangirsuk	KRSQ	Quebec,Canada	60.0220N	69.9912W	132	From 2011-08-07
Kangurt	KNR	Tajikistan	38.2500N	69.5300E		
Kano Inlet	KANO	British Columbia,Canada	53.2883N	132.6175W	221	
Kansas City	KC-	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas City	KC-MO	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas State University--Konza Prairie	KSU1	Kansas,U.S.A.	39.1009N	96.6094W	317	From 2003-05-28
Kantara	KANT	Cyprus	35.3830N	33.8800E	0	
Kantishna Hills	KTH	Alaska,U.S.A.	63.5530N	150.9220W	975	From 1988-08-15
Kanton	KNTN	Phoenix Islands,Kiribati	2.7744S	171.7190W	0	
Kantonsschule Buelach	EBUEL	Switzerland	47.5184N	8.5483E	427	From 2010-05-27
Kantonsschule Wattwil	EWATT	Switzerland	47.3012N	9.0876E	612	From 2008-12-12
Kanzaki	KZT	Hyogo,Japan	35.0739N	134.7933E	200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kaohsiung	KAU	Taiwan region	22.5679N	120.3080E	2	
Kaohsiung City	SNJT	Taiwan region	22.7533N	120.3352E	21	From 2013-01-18
Kaohsiung Port	KAUP	Taiwan region	22.5540N	120.3150E	0	From 2001-08-27
Kaoiki Faults	KFH	Hawaii,U.S.A.	19.4210N	155.4190W	1579	
Kapahiang	KSI	Sumatera,Indonesia	3.6517S	102.5929E	539	
Kapalarasan	KAPS	Kazakhstan	45.2850N	79.3570E	900	From 1989-09-01
Kapapala Ranch	KLH	Hawaii,U.S.A.	19.2733N	155.4450W	610	From 1969-10-02 to 2000-11-09
Kapiti Island	KIW	North Island,New Zealand	40.8609S	174.9098E	381	From 1978-04-10
Kapoho	KPO	Hawaii,U.S.A.	19.5003N	154.8420W	134	
Kapowsin	B941	Washington,U.S.A.	46.9868N	122.2190W	3	
Kappang	KAPI	Sulawesi,Indonesia	5.0142S	119.7517E	30	
Kappang	KPNG	Sulawesi,Indonesia	5.0153S	119.7508E	300	
Kap Tobin	KTG	Greenland	70.4167N	21.9833W	6	From 1980-09-30 to 2000-05-26
Kapuskasing	KAPO	Ontario,Canada	49.4504N	82.5079W	210	
Kapuskasing	KAO	Ontario,Canada	49.4483N	82.4850W	198	From 1982-09-18 to 1999-08-25
Kaputan	KAPZ	Armenia	40.3220N	44.6990E	1700	
Karabastau	KRBS	Kazakhstan	43.6960N	75.6750E	915	From 2013-09-10
Karabiga	KGT	Turkey	40.4517N	27.3033E	185	From 1984-03-14
Karabiga-Canakkale	KRBG	Turkey	40.3932N	27.2977E	76	From 2008-06-27
KARABUK-Merkez	KBUK	Turkey	41.2366N	32.6270E	548	From 2012-11-16
Karaburun	KRBN	Turkey	38.5935N	26.5536E	135	From 2011-07-24
Karacabey	KCT	Turkey	40.2656N	28.3567E	451	From 1983-06-01
Karacabey (Bursa)	KCTX	Turkey	40.2655N	28.3565E	451	From 2008-07-11
Karacayir	SVSK	Turkey	39.9170N	36.9980E		
Karachi	KCHI	Pakistan	24.9100N	67.1300E	34	From 2006-07-26
Karachi	KAR	Pakistan	24.9333N	67.1433E	34	
Karacoban	EKAR	Turkey	39.2559N	42.0640E	2129	From 2009-09-29
Karad	KARD	Maharashtra,India	17.3074N	74.1834E	618	
Karad	KAD	Maharashtra,India	17.3075N	74.1833E	582	From 1970-01-01
Karadeniz	KDE	Turkey	41.2889N	31.4250E	290	From 1982-07-01
Karadeniz Ereoli	KDZE	Turkey	41.3132N	31.4429E	410	From 2006-06-29
Karagaybulak	KBK	Kyrgyzstan	42.6564N	74.9478E	1760	
Karahalli	KHL	Turkey	38.3232N	29.5232E	940	From 1988-08-01
Karahalli	KHAL	Turkey	38.3703N	29.4917E	1141	From 2007-05-30 to 2015-04-07
Karahalli, USAK	PASA	Turkey	38.3480N	29.4877E	979	From 2015-06-24
Karaikal	KRKL	Tamil Nadu,India	10.9000N	79.8667E		
Karaisali	KARA	Turkey	37.2607N	35.0546E	366	From 2005-08-26
Karaka Road Borehole	KBAZ	North Island,New Zealand	37.0947S	174.8886E	-148	From 2008-10-30
Karakunidake	KV06	Miyazaki,Japan	31.9494N	130.8711E	1100	
Karaman	KRMN	Turkey	37.1739N	33.2635E	1068	From 2014-02-07
Karaman7Kaz¨–mkarabekir	KKBE	Turkey	37.2196N	32.9404E	1118	From 2014-12-01
Karamursel	KMS	Turkey	40.6727N	29.5911E	280	From 1978-08-01 to 1999-08-25
Karamyk	DRK	Kyrgyzstan	39.4800N	71.8000E	2627	From 2011-03-12
Karanay	KRNR	Dagestan,Russia	42.8269N	46.9069E	1150	
Karangkates	KRKI	Jawa,Indonesia	8.1583S	112.4525E	0	
Karang Pucung	KPJI	Jawa,Indonesia	7.3330S	108.9310E	0	From 2007-12-01
Karang Ratu	KRAI	Ambon,Indonesia	3.3184S	128.3947E	124	
Karanos	KARN	Crete,Greece	35.4019N	23.9174E	420	From 2004-12-03
Karapiro	KRP	North Island,New Zealand	37.9232S	175.5377E	64	From 1951-06-15 to 1990-02-06
Karasker	IKSK	Iceland	64.1613N	16.4737W	940	From 2013-06-02
Karasu	KRUK	Kyrgyzstan	41.6200N	72.5800E	0	From 1960-10-01 to 1989-01-01
Karasu	KRU	Tajikistan	38.4800N	68.9700E		
Karatas	KRTS	Turkey	36.5731N	35.3749E	53	From 2005-08-25
Karatas-Adana	KRTD	Turkey	36.5933N	35.4157E	47	From 2011-09-01
Karatay Array	KKAR	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK02	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK05	Kazakhstan	43.1170N	70.5235E	509	From 2001-12-01
Karatay Array site	KK07	Kazakhstan	43.0891N	70.5008E	528	From 2001-12-01
Karatay Array site	KK06	Kazakhstan	43.0944N	70.5255E	533	From 2001-12-01
Karatay Array site	KK31	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK04	Kazakhstan	43.1098N	70.5060E	525	From 2001-12-01
Karatay Array site	KK01	Kazakhstan	43.1054N	70.5061E	525	From 2001-12-01
Karatay Array site	KK09	Kazakhstan	43.1224N	70.4995E	546	From 2001-12-01
Karatay Array site	KK03	Kazakhstan	43.1028N	70.5012E	529	From 2001-12-01
Karatay Array site	KK08	Kazakhstan	43.1048N	70.4871E	539	From 2001-12-01
Karatobe	KTBS	Kazakhstan	43.7120N	76.6820E	766	From 1992-09-01
Karatu	KRTU	Tanzania,United Republic of Tanzania	3.3560S	35.5960E	862	
Kardakata, Kephalonia	KEF1	Greece	38.2778N	20.4709E	0	From 2014-01-27 to 2014-05-24
Kardakata, Kephalonia	KEF5	Greece	38.2778N	20.4683E	303	From 2014-06-10
Kardeh	IKRD	Iran	36.7759N	58.5146E	2245	From 2004-06-01
Kardistsa	KAR2	Thessaly	39.3658N	21.9193E	130	From 2012-09-01
Karewarewa	KRVZ	North Island,New Zealand	39.0944S	175.6412E	1207	From 2004-12-03
Karewarewa	KAVZ	North Island,New Zealand	39.0957S	175.6460E	1192	From 1993-11-12 to 2004-12-15
Kargi	KART	Turkey	41.1697N	34.3056E	1946	From 1992-01-01 to 1994-05-31
Kargicak-Mersin	KARG	Turkey	36.2030N	33.7087E	275	From 2013-04-18
Kariba Dam	KRB	Zimbabwe	16.5267S	28.7950E	805	From 1966-03-01 to 1999-08-25
Karkaralinsk	KKL	Kazakhstan	49.3300N	75.3800E	0	
Karkar Island	KKI	Papua New Guinea	4.5883S	145.9540E	460	From 1975-06-22
Karley and Nick, Howard	I32A	South Dakota,U.S.A.	44.0271N	97.4643W	493	From 2010-07-26 to 2012-06-06
Karliova-Bingol	KARO	Turkey	39.3089N	41.0493E	1820	From 2012-11-29
Karlovasi Samou	KRL1	Greece	37.7950N	26.7064E	10	From 2010-10-01
Karlskrona	KLS	Sweden	56.1650N	15.5917E	11	
Karlsruhe	KRL	Baden-Wurttemberg,Germany	49.0108N	8.4122E	114	From 1905-01-01
Karlsruhe West	KRW	Baden-Wurttemberg,Germany	49.0214N	8.3681E	110	
Karmit	KMTI	Israel	30.1044N	34.7251E	473	
Karmoy	KMY	Norway	59.2120N	5.2470E	58	From 1984-11-01
Karmrakar	KKRS	Armenia	39.3200N	46.4700E	1490	
Karmrakar	KRMZ	Armenia	39.3110N	46.4760E	1480	
Karoi	KRR	Zimbabwe	16.8517S	29.6183E	1380	From 1967-01-01 to 1978-12-31
Karoi	KRI	Zimbabwe	16.8307S	29.6151E	1343	
KARONGA	KARM1	Malawi	9.9541S	33.8954E	522	From 2010-08-05
Karpankyla	KU5	Finland	65.9146N	29.8862E	260	From 2003-11-05
Karpathos	KAP	Greece	35.5508N	27.1747E	250	From 1988-01-01 to 2003-02-24
Karpathos	KRPT	Crete,Greece	35.7611N	27.1981E	161	From 2007-05-01
Karpathos	KARP	Greece	35.5472N	27.1612E	528	
Karratha	KAA	Western Australia,Australia	20.7772S	116.8590E	15	From 1971-02-11 to 1972-08-09
Kars	KARS	Turkey	40.6276N	43.0788E	1450	From 1994-01-13
Kars	DIGO	Turkey	40.4147N	43.3742E	2278	From 2005-08-04
Karshahi	KRSH	Iran	33.9693N	52.1354E	1629	From 2012-04-01
Karterados	SAP2K	Greece	36.4108N	25.4457E	185	
Karterados, Santorini	SNT3	Greece	36.4130N	25.4471E	136	From 2011-05-26
Karuizawa	KAZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karuizawa	KRZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karymshinskiy	KRMR	Kamchatskaya Oblast',Russia	52.8300N	158.1300E	120	From 2002-07-01
Karymskiy	KII	Kamchatskaya Oblast',Russia	54.0360N	159.4490E	900	
Karystos	KARY	Greece	38.0321N	24.4370E	220	From 2008-06-16
Kas	AKAS	Turkey	36.2327N	29.6052E	1279	From 2005-03-24
Kasabonika Lake, First Nations Ontario	KASO	Ontario,Canada	53.5279N	88.6414W	192	From 2005-08-03
Kasai	JKS	Hyogo,Japan	34.9827N	134.8443E	150	
Kasama	KSMZ	Zambia	10.1715S	31.2255E	1392	
Kasempa	KMZ	Zambia	13.4555S	25.8337E	1223	From 1984-01-01
Kashi	KSH	Xinjiang Uygur Zizhiqu,China	39.5167N	75.9731E	1314	
Kashima	KSJ	Nagano,Japan	36.5762N	137.8050E	1010	From 1968-12-01 to 1969-03-31
Kashiwara	KAJ	Osaka,Japan	34.5000N	135.8000E	120	
Kashiwa-zaki	KZK	Niigata,Japan	37.2951N	138.5157E	220	
Kashiwa-zaki	KZJ	Niigata,Japan	37.3307N	138.5265E	100	
Kasma	KU7	Finland,Finland	65.7582N	28.8991E	265	From 2007-08-13
Kasperske Hory	KHC	Czech Republic	49.1309N	13.5782E	695	From 1973-01-01
Kasrt alli	KSRV	Syria	35.8641N	39.0026E	300	From 2005-01-01
Kassiopi	KASA	Greece	39.7463N	19.9354E	65	From 2010-08-18
Kassos Island	KSS1	Greece	35.4189N	26.9207E	0	From 2011-10-01
Kastamon¨—Ara¨§	PELI	Turkey	41.3005N	33.3117E	1057	From 2013-02-28
Kastamonu	KMON	Turkey	41.3738N	33.7839E	935	From 2013-09-23
Kastamonu	KAS	Turkey	41.3717N	33.7667E	850	From 1958-09-01
KASTAMONU	KAST	Turkey	41.4904N	33.9286E	677	From 2008-12-02
Kastamonu/Cide-Merkez	CIDE	Turkey	41.8821N	32.9471E	27	From 2014-12-01
Kastanea	KTI	Greece	40.3929N	22.1165E	1329	
Kastek	KST	Kazakhstan	43.0430N	75.9630E	1415	
Kastelli Heraklio	KSTL	Crete,Greece	35.3037N	25.0707E	70	From 2006-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kastellorizon	KSL	Greece	36.1500N	29.5833E	100	From 1988-01-01
Kastoria	KSO	Greece	40.5225N	21.2775E	740	From 1997-01-01
Kastoria	KAS2	Greece	40.5050N	21.2803E	657	From 2011-09-01
Kasumi	JKSM	Hyogo,Japan	35.5875N	134.6638E	85	
Kasumkent	KSMR	Dagestan,Russia	41.6028N	48.1278E	840	
Kaszmaul Farm, Murdock	S33A	Kansas,U.S.A.	37.5936N	98.0016W	471	From 2009-10-16 to 2011-08-26
Katale	KTL	Democratic Republic of the Congo	1.3247S	29.3838E	1600	From 1990-01-01
Katano	KTNK	Osaka,Japan	34.7716N	135.7053E	250	
Katas	KTAS	Punjab,India	32.7000N	72.6000E	655	From 2010-06-30
Katashina	JKT	Tochigi,Japan	36.7667N	139.2488E	933	
Katerini	KAT1	Greece	40.2659N	22.5088E	75	From 2008-09-30
Katherine and Luke Keathley, Corsicana	236A	Texas,U.S.A.	31.9997N	96.5310W	118	From 2010-04-25 to 2012-01-20
Katherine High School	AUKAT	Northern Territories,Australia	14.4600S	132.2800E	122	From 2013-08-11
Katherine N.T. Australia	KATH	Northern Territory,Australia	14.4710S	132.2900E	206	From 2013-02-18
Katlanovo	KAY	FYR Macedonia	41.8958N	21.7017E	248	From 1969-01-01
Katmai	KAWH	Alaska,U.S.A.	58.3837N	154.7992W	777	
Katmai	KTM	Alaska,U.S.A.	58.3247N	155.3760W	945	From 1973-07-27 to 1975-08-24
Katmai Barrier Ridge	KABR	Alaska,U.S.A.	58.1312N	154.9692W	884	
Katmai Bkd Mtn	KBM	Alaska,U.S.A.	58.2750N	155.2017W	732	
Katmai Buttress	KABU	Alaska,U.S.A.	58.2704N	155.2822W	1065	
Katmai Hardscrabble Creek	KAHC	Alaska,U.S.A.	58.6490N	155.0060W	1250	
Katmai Hook Glacier	KAHG	Alaska,U.S.A.	58.4940N	154.5463W	923	
Katmai Ikagluik Creek	KAIC	Alaska,U.S.A.	58.4850N	155.0458W	734	
Katmai Knife Crk	KAKN	Alaska,U.S.A.	58.2970N	155.0611W	1049	
Katmai Mt Cerb's	KCE	Alaska,U.S.A.	58.2433N	155.1833W	777	
Katmai Pasha	KAPH	Alaska,U.S.A.	58.5968N	154.3468W	907	
Katmai Rainbow River	KARR	Alaska,U.S.A.	58.4978N	154.7033W	610	
Katmai Vly 10 NE	KVTA	Alaska,U.S.A.	58.3817N	155.2950W	457	
Katnaghbyur	KATS	Armenia	41.0183N	44.1850E	1795	
Katnajur	NB2S	Armenia	40.8150N	44.1717E	1800	
Kato	SKBJ	Hokkaido,Japan	43.2383N	143.0367E	460	From 2003-03-03
Kato Achaia	KAC1	Greece	38.1381N	21.5481E	34	From 2012-10-01
Kato Vasiliki	VRS	Greece	38.3520N	21.6080E	340	From 2006-05-10
Katrineberg	KTN	Sweden	61.0660N	16.2840E		From 1980-01-01
Katsuura	KTR	Chiba,Japan	35.1478N	140.3153E	10	From 1988-01-01
Katsuyama	KAJD	Fukui,Japan	36.0487N	136.5281E	300	
Katsuyama	KADD	Fukui,Japan	36.0621N	136.5482E	380	
Kattavia Rhodes Isl.	RKT1	Greece	35.9534N	27.7685E	46	From 2012-08-01
Kauhava	NE63	Finland	63.0470N	22.6680E	55	
Kauri Point	KAAZ	North Island,New Zealand	36.8223S	174.7036E	80	From 1998-05-23 to 2009-09-08
Kaushut	KAH	Turkmenistan	37.4500N	59.4830E	257	
Kautokeino	KTK1	Norway	69.0117N	23.2371E	340	From 1989-01-01
Kautokeino	KTK2	Norway	69.0075N	23.2374E		From 1989-01-01 to 2003-04-05
Kautokeino	KTK4	Norway	69.0081N	23.2347E		
Kautokeino	KTK5	Norway	69.0096N	23.2273E		
Kautokeino	KTK6	Norway	69.0100N	23.2360E	340	
Kautokeino	KTK3	Norway	69.0067N	23.2352E		From 1989-01-01 to 2003-04-05
Kavak	KVT	Turkey	41.0806N	36.0464E	650	From 1976-08-01
Kavala	KAVA	Greece	40.9967N	24.5137E	157	From 2008-05-16
Kavala	KVLA	Greece	40.9370N	24.3859E	122	From 2010-08-25
Kavieng	KAVG	New Ireland,Papua New Guinea	2.5816S	150.8066E	20	From 2013-06-03
Kavieng	KVG	New Ireland,Papua New Guinea	2.5878S	150.8120E	10	From 1974-05-01 to 2013-06-01
Kavieng	KAV	New Ireland,Papua New Guinea	2.5733S	150.8170E	4	From 1971-08-25 to 1974-05-31
Kavouri	KVR	Greece	37.8278N	23.7695E	60	
Kawah Idjen	KIJ	Jawa,Indonesia	8.0667S	114.2330E		
Kawai	KWJ	Shiga,Japan	35.5154N	136.2494E	170	
Kawasaki	HRM	Kanagawa,Japan	35.5506N	139.6792E	-536	
Kawatabi	KWT	Miyagi,Japan	38.7533N	140.7600E	260	
Kawauchi	JFK	Fukushima,Japan	37.3665N	140.8745E	520	
Kawazu	KWZ	Shizuoka,Japan	34.7625N	138.9900E	65	
Kaweka Forest	KWHZ	North Island,New Zealand	39.4240S	176.4228E	799	From 2010-06-02
Kawich Peak	KP-NV	Nevada,U.S.A.	37.8975N	116.4592W	2134	
Kawich Range	KRNA	Nevada,U.S.A.	37.7417N	116.3803W	1980	From 1980-04-23 to 2002-10-10
Kayabasi	BDRM	Turkey	37.0653N	27.4442E	368	From 2003-05-26
Kayabe	JKB	O shima,Japan	41.8877N	141.0325E	10	
Kayacik-Havza(Samsun)	KAYA	Turkey	40.9468N	35.7490E	890	From 2013-12-05
Kayak Island	KAIM	Alaska,U.S.A.	59.9268N	144.4160W	311	
Kayak Island	KYK	Alaska,U.S.A.	59.8683N	144.5230W	375	From 1974-10-02 to 1999-08-25
Kaye Shedlock's, Cheyenne Wells	KSCO	Colorado,U.S.A.	39.0112N	102.6273W	1382	From 2008-10-28
Kayrak	KYR	Turkey	36.3517N	33.5253E	1210	From 1988-01-01
Kayseri	GUNE	Turkey	38.9025N	35.6250E	1235	From 2013-01-31
KAYSERI_Yahyali	YAHY	Turkey	38.0947N	35.3630E	1230	From 2011-05-31
Kazeroun	IKAZ	Iran	29.7796N	51.8400E	2805	From 2002-10-01
Kazerun	KAZ1	Iran	29.6252N	51.6395E	850	From 2014-07-08
Kaziranga	KZI	Assam,India	26.5767N	93.4083E	130	From 1983-02-01
Kazreti	KZR	Georgia,Georgia	41.3815N	44.4153E	740	From 2003-01-01
Kazreti	KZRT	Georgia,Georgia	41.3866N	44.3987E	723	From 2012-08-24
Kealakekua	KLK	Hawaii,U.S.A.	19.5220N	155.9200W	505	From 1964-01-28 to 1974-01-31
Kealakomo	KEA	Hawaii,U.S.A.	19.3083N	155.1600W	201	
Keanaka@18ko'i	KKO	Hawaii,U.S.A.	19.3978N	155.2660W	1146	
Keanakolu	KKU	Hawaii,U.S.A.	19.8898N	155.3430W	1863	
Keban	KEB	Turkey	38.7978N	38.7278E	739	From 1974-05-28
Keben-Mersin	KEBE	Turkey	36.4470N	33.7132E	769	From 2011-07-01
Kecel	PKS2	Hungary	46.4920N	19.2131E	106	
Kechabta	KCHT	Tunisia	37.1100N	9.9400E	565	
Kecovo	KECS	Slovakia	48.4832N	20.4856E	345	From 2003-12-15
Kecskemet	KEC	Hungary	46.9122N	19.6983E	122	
Kedomdong	KEDI	Lombok,Indonesia	8.4870S	116.1130E	560	From 1991-01-01
Kedougou	KED*	Senegal	12.5687N	12.2112W		From 1976-08-01
Kedougou	KED	Senegal	12.9258N	12.3214W		From 1974-08-01 to 1976-08-01
Kedougou	KDS	Senegal	12.5687N	12.2112W	110	From 1976-05-01
Kedougou	KDG	Senegal	12.9258N	12.3214W		
Keefer Ranch, Vananda	E21A	Montana,U.S.A.	46.5408N	107.0757W	834	From 2008-08-10 to 2010-08-05
Keeler	KEEL	Oregon,U.S.A.	45.5502N	122.8951W	67	
Keelung Port	KLUP	Taiwan region	25.1330N	121.7410E	0	From 2001-04-10
Keen Camp Maintenance Station	KEE	California,U.S.A.	33.6383N	116.6530W	1366	From 1975-02-01
Keen Mountain	KMV	Virginia,U.S.A.	37.2083N	82.0258W	500	From 1969-01-01 to 1969-12-31
Keepit Bedrock	KPTM	New South Wales,Australia	30.8851S	150.4819E	295	
Keepit Dam	KPAM	New South Wales,Australia	30.8791S	150.4902E	264	
Keeseville	KSVO	New York,U.S.A.	44.5424N	73.6861W	388	
Keetly	KLJ	Utah,U.S.A.	40.6308N	111.4050W	1992	From 1992-10-30
Kefar Szold	KSDI	Israel	33.1920N	35.6590E	123	
Kef Ayad	AKAY	Algeria	36.3063N	4.9353E	1485	
Kef el Ahmar	CKHR	Algeria	36.0167N	5.5122E	1280	
Kef-Lekhel	CKFL	Algeria	36.4000N	6.7200E	1229	From 2004-12-01
Keg River	KV-	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Keg River	KV-AT	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Kehvi	KEH	Georgia,Georgia	42.3082N	43.9339E	1031	From 2007-12-29
Keihoku	JWK2	Soya,Japan	45.3162N	141.8975E	60	
Keihoku	KHK	Kyoto,Japan	35.1774N	135.6623E	260	
Keimoes	KEIM	Cape Province,South Africa	28.7040S	20.9680E	760	From 2010-12-22
Kejulik	KJL	Alaska,U.S.A.	58.0540N	155.5732W	792	From 1996-08-01
Kekaha	KEKH	Hawaii,U.S.A.	21.9829N	159.7110W	54	From 2007-07-18
Kekaj˜rvi, Ylivieska	OBF6	Finland	64.1389N	24.5666E	70	From 2013-03-20
Kekliktepe	KEKT	Turkey	40.4853N	29.2422E	950	From 1994-01-01
Kelakatan	KELI	Bali,Indonesia	8.2167S	114.4910E	591	
Kelbejer	KBJ	Azerbaijan	40.1500N	46.0900E	1350	From 1984-01-01 to 1993-01-01
Kelkit	KELT	Turkey	40.1486N	39.2556E	1912	From 2003-11-06
Kellerberrin	KLB	Western Australia,Australia	31.5923S	117.7600E	300	From 1981-09-23 to 2006-05-29
Kellerberrin	KLBR	Western Australia,Australia	31.5915S	117.7546E	320	From 1999-10-13
Kellogg	KGI	Idaho,U.S.A.	47.4883N	116.0820W	1400	From 1970-01-01 to 1975-01-31
Kelly Canyon	KCI	Idaho,U.S.A.	43.6688N	111.6640W	1902	
Kelly Hill Caves	KELC	South Australia,Australia	35.9825S	136.9111E	100	
Kelly School	KSWY	Wyoming,U.S.A.	43.6226N	110.6280W	2031	
Kelsey	KELB	British Columbia,Canada	48.6611N	123.5701W	53	
Kelsey Bay	KBB	British Columbia,Canada	50.3847N	126.0280W	1310	From 1986-08-23
Kelsey New	KLNB	British Columbia,Canada	48.6611N	123.5706W	53	
Keltepe	KLT	Turkey	40.6435N	30.1006E	1601	From 1978-09-01 to 1980-12-31
Kelud	KEL	Jawa,Indonesia	8.1000S	112.9000E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kemaliye	KEMA	Turkey	39.2688N	38.4932E	1026	From 2006-10-19
Kemer-ANTALYA	KEMT	Turkey	36.6037N	30.5559E	0	From 2012-10-10
Kemerovo	KEM	Kemerovskaya Oblast',Russia	55.3429N	86.0886E	122	From 2005-05-19
Kempfer Cattle CO., St. Cloud	859A	Florida,U.S.A.	28.0592N	80.8984W	13	From 2012-02-15
Kenai	KEN	Alaska,U.S.A.	60.6167N	151.1533W	10	From 1964-04-04 to 1964-06-26
Kendall Valley, Cora	J18A	Wyoming,U.S.A.	43.2112N	110.0200W	2357	From 2007-11-05 to 2009-05-17
Kendari	KDI	Sulawesi,Indonesia	3.9574S	122.6192E	55	From 2005-01-01
Kendrikon	KNT	Greece	41.1619N	22.8981E	380	From 1981-01-01
Kenedy	735A	Texas,U.S.A.	28.8553N	97.8081W	90	From 2009-12-18 to 2011-11-13
Kennady Lake	KNDN	Northwest Territories,Canada	63.4193N	109.2013W	421	
Kennard Place, Willow Creek	F16A	Montana,U.S.A.	45.7843N	111.6262W	1350	From 2007-10-18 to 2009-07-11
Kennedy	BKA	Alabama,U.S.A.	33.6339N	87.9690W	122	
Kennewick	KE-WA	Washington,U.S.A.	46.1400N	119.2775W	396	
Kennewick	KE-	Washington,U.S.A.	46.1400N	119.2775W	396	
Kent Elementary ANSS-SMO	KNEL	Washington,U.S.A.	47.3805N	122.2519W	14	From 2004-08-01
Kentfield	KFC	California,U.S.A.	37.9550N	122.5530W	6	
Kentland	N45A	Indiana,U.S.A.	40.8479N	87.5118W	206	From 2011-10-12
Kenton	E41A	Michigan,U.S.A.	46.4643N	88.9636W	377	From 2011-09-10 to 2013-06-08
Kent School, Kent	KSCT	Connecticut,U.S.A.	41.7261N	73.4842W	114	
Kent State University	KSUO	Ohio,U.S.A.	41.1509N	81.3504W	370	
Kepong	FRIM	Peninsular Malaysia,Malaysia	3.2370N	101.6250E	98	From 1996-01-01
Keramoti	KERA	Crete,Greece	35.3692N	23.5577E	240	
Keravat	KRT	New Britain,Papua New Guinea	4.3529S	152.0520E	20	From 1966-11-18 to 1969-04-07
Keravat	KET	New Britain,Papua New Guinea	4.3331S	152.0360E	17	From 1969-03-26 to 1970-12-31
Keravat (AS076)	KRVT	New Britain,Papua New Guinea	4.3068S	152.0260E	105	From 2013-03-17
Kerch	KERU	Ukraine	45.3100N	36.4600E	50	From 1997-05-01
Kerema	KRG	Papua New Guinea	7.9597S	145.7690E	14	
Keren	KERI	Israel	30.9900N	34.4900E	360	
Kereru	KRHZ	New Zealand	39.6431S	176.3701E	530	From 2008-04-28
KERGUELEN INFRASONIC ARRAY REFERENCE POINT	22HR	Kerguelen Islands,France	49.3458S	70.2416E	84	From 2007-12-10
kERI	KRI1	Greece	37.6621N	20.8172E	178	From 2012-11-01
Kerinci	KRJI	Sumatera,Indonesia	2.0912S	101.4619E	811	From 2005-01-01
kERKIRA	KRK1	Greece	39.6179N	19.9163E	16	From 2010-10-01
Kerkira	KEK	Greece	39.7130N	19.7987E	280	From 1989-03-01
Kerman	KRBR	Iran	29.9822N	56.7605E	2576	From 2004-06-01
Kerman	KRBA	Iran	29.9797N	56.7523E		
Kermanshah	KER	Iran	34.3850N	47.1319E	1330	
Kermit	KM5	Texas,U.S.A.	31.8317N	103.0317W	874	From 1976-10-15 to 1999-08-25
Kermit	KM6	Texas,U.S.A.	31.9825N	102.8632W	1030	From 1976-10-16 to 1999-08-25
Kermit	KT7	New Mexico,U.S.A.	31.7092N	103.3060W	847	From 1975-11-13 to 1999-08-25
Kermit	KM3	Texas,U.S.A.	31.6777N	103.2092W		
Kermit	KM2	Texas,U.S.A.	32.0925N	103.0718W	932	
Kermit	KT4	New Mexico,U.S.A.	31.9100N	103.3152W	948	From 1976-01-17 to 1999-08-25
Kermit	KIT	Texas,U.S.A.	31.5436N	102.8820W	795	
Kermit	KT5	New Mexico,U.S.A.	32.0680N	103.3260W		From 1976-03-24 to 1976-10-15
Kermit	KT9	New Mexico,U.S.A.	31.7178N	102.8810W	869	From 1976-01-17 to 1976-10-14
Kermit	KTT	Texas,U.S.A.	31.5436N	102.8820W	795	From 1975-11-10
Kermit	KT3	New Mexico,U.S.A.	31.6227N	103.2888W	855	
Kermit	KT2	New Mexico,U.S.A.	32.0894N	103.1020W	927	From 1976-01-20 to 1976-12-15
Kermit	KTX	Texas,U.S.A.	31.5305N	103.2897W	847	From 1976-01-16 to 1999-08-25
Kermit	KIE	Texas,U.S.A.	31.6068N	103.1957W	828	
Kermit	KT8	New Mexico,U.S.A.	31.7067N	103.0972W	840	From 1976-01-16 to 1999-08-25
Kermit	KM9	Texas,U.S.A.	31.7482N	102.8563W	888	From 1976-10-14 to 1999-08-25
Kermit	KME	Texas,U.S.A.	31.5782N	103.1200W	816	From 1976-10-14 to 1999-08-25
Kermit	KKT	Texas,U.S.A.	31.6227N	103.2890W		
Kermit	KTE	Texas,U.S.A.	31.5278N	103.0970W	799	From 1976-01-15 to 1976-10-14
Kermit	KT1	New Mexico,U.S.A.	32.0683N	103.3290W	930	From 1975-11-08 to 1999-08-25
Kern-Tulare	WKTM	California,U.S.A.	35.7940N	118.4420W	890	
Kerr Lake	PKLM	California,U.S.A.	35.7730N	120.3399W	422	
Kerrville	533A	Texas,U.S.A.	30.0718N	99.0351W	556	From 2009-11-07 to 2011-10-05
Kesennumamotoyoshi	JKMT	Miyagi,Japan	38.8108N	141.4738E	67	From 2012-11-01
Keshet	KSHT	Israel	32.9820N	35.8110E	719	From 1991-05-01
Keskin Array Beam Reference Point	BRTR	Turkey	39.7250N	33.6390E	1440	
Keskin Array Site 101	BR101	Turkey	39.7254N	33.6391E	1437	
Keskin Array Site 102	BR102	Turkey	39.7355N	33.6486E	1525	
Keskin Array Site 103	BR103	Turkey	39.7196N	33.6570E	1488	
Keskin Array Site 104	BR104	Turkey	39.7074N	33.6414E	1346	
Keskin Array Site 105	BR105	Turkey	39.7180N	33.6173E	1431	
Keskin Array Site 106	BR106	Turkey	39.7338N	33.6180E	1372	
Keskin Array Site 131	BR131	Turkey	39.7253N	33.6390E	1414	
Keskin MP Array Beam Reference Point	BRMAR	Turkey	39.8417N	32.7760E	1257	
Keskin MP Array Site 231	BR231	Turkey	39.8417N	32.7760E	1196	
Keskin MP Array Site 232	BR232	Turkey	39.9285N	32.9820E	1071	
Keskin MP Array Site 233	BR233	Turkey	39.7935N	32.9813E	1	
Keskin MP Array Site 234	BR234	Turkey	39.6519N	32.8001E	1002	
Keskin MP Array Site 235	BR235	Turkey	39.7413N	32.5916E	1217	
Keskin MP Array Site 236	BR236	Turkey	39.8795N	32.5511E	1035	
Keskin MP Array Site 237	BR237	Turkey	40.0187N	32.7304E	1045	
Kesra	KEST	Tunisia	35.7318N	9.3460E	885	
KESRA INFRASONIC ARRAY REFERENCE POINT	I48TN	Tunisia	35.8052N	9.3230E	848	From 2006-06-02
Kestanelik-??atalca	CTKS	Turkey	41.2364N	28.5066E	47	From 2007-09-28
Keswick	CKE	England,United Kingdom	54.5877N	3.1059W	304	
Keswick, Cumbria	KESW	England,United Kingdom	54.5886N	3.1048W	282	From 2008-09-04
Ketchikan	KCN	Alaska,U.S.A.	55.3343N	131.6325W	20	
Ketetahi	KETZ	North Island,New Zealand	39.0987S	175.6519E	1208	From 1985-05-01 to 1992-01-22
Keti	KETS	Armenia	40.8783N	43.8500E	1750	
Ketmen	KTMS	Kazakhstan	43.4460N	80.3520E	1509	From 2000-08-18
Kettenpom Peak	KKPM	California,U.S.A.	40.1458N	123.3350W	1244	
Kettle Butte	KBI	Idaho,U.S.A.	43.5907N	112.3770W	1698	From 1992-01-01
Kettleman Hills	PKEM	California,U.S.A.	36.0615N	120.1090W	288	
Ketumbeine	KETU	Tanzania,United Republic of Tanzania	2.8245S	36.2997E	1253	
Keumsan	KSKMS	Republic of Korea	36.1016N	127.4837E	171	From 2000-12-23
Keung Shan	HKLI	Hong Kong,China	22.2417N	113.8787E	100	From 1997-04-23
Keuruu	KEF	Finland	62.1672N	24.8703E	215	From 1977-08-31
Kevo	KEV1	Finland	69.7558N	27.0125E	97	
Kevo	KEV	Finland	69.7553N	27.0067E	80	From 1967-06-01
Kew	KEW	England,United Kingdom	51.4683N	0.3131W	5	
Kewanee	KEWM	Missouri,U.S.A.	36.6981N	89.5926W	85	
Key Point	KYP	California,U.S.A.	34.1018N	118.8795W	700	
Keysborough Secondary College	AUKSC	Victoria,Australia	37.9700S	145.1600E	50	From 2013-05-09
Keystone College	KSPA	Pennsylvania,U.S.A.	41.5570N	75.7681W	297	
Keyworth	KEY1	England,United Kingdom	52.8779N	1.0757W	59	
Keyworth	KEY2	England,United Kingdom	52.8790N	1.0770W	76	
Kfar Ka'horesh	HRSH	Israel	32.7000N	35.2800E	416	
KGF	KGF	Karnataka,India	12.9483N	78.2541E	876	From 1999-01-01
Kgwebe Hills	KBH1	Botswana	20.7020S	23.0510E	1042	From 2001-01-01 to 2100-12-31
Khabarovsk	HABR	Khabarovskiy Kray,Russia	48.4730N	135.0510E	81	From 2005-04-01
Khabarovsk	KHBR	Khabarovskiy Kray,Russia	48.4740N	135.0560E	81	From 2006-05-17
Khabaz	KBZ	Stavropol'skiy Kray,Russia	43.7286N	42.8975E		
Khafra	HKFR	Egypt	22.5891N	31.3047E	340	
Khaishi	KHS	Georgia,Georgia	42.9427N	42.1893E	644	From 1967-01-01
Khait	KHAT	Tajikistan	39.1700N	70.8800E	1800	
khalkal	ADB	Iran	37.3700N	48.2000E	1576	
Khamasin	KMSA	Saudi Arabia	20.3710N	44.4950E	715	From 1988-11-01
Khamis Mushayt	KMTA	Saudi Arabia	18.1660N	42.8650E	2000	
Khamis Mushayt	KMTU	Saudi Arabia	18.1660N	42.8650E	2000	From 1990-06-13
Khanabri	KHS1	Pakistan	35.6630N	73.9450E	1818	From 2007-09-01
Khanabri-I	KHB1	Pakistan	35.5740N	73.8520E	1222	From 2007-09-01
Khancoban	KHA	New South Wales,Australia	36.2136S	148.1290E	435	From 1968-09-06
Khandyga	KHG	Sakha,Russia	62.6500N	135.5500E	105	
Khani	KHNS	Amurskaya Oblast',Russia	57.0400N	121.0100E	390	From 1967-01-01 to 2005-01-01
Khani	KHNR	Sakha,Russia	56.9210N	119.9790E	690	From 2005-12-11
Khani	KHN	Sakha,Russia	56.9211N	119.7892E	690	From 2005-12-01
Khanty-Mansiysk	HMA	Khanty-Mansi Autonomous Okrug,Russia	61.0333N	69.1167E	91	
Khaolaem Dam	KHLT	Thailand	14.7970N	98.5893E	164	
Khao Laem Dam	KHT	Thailand	14.7848N	98.5925E	173	From 1982-10-01
Khapcheranga	KPC	Buryatiya,Russia	49.7039N	112.3789E	953	
Kharagpur	ITKG	West Bengal,India	22.3191N	87.3707E	40	From 2012-01-01
Kharino, NSO, Russia	KHAR	Novosibirskaya Oblast',Russia	54.6132N	83.5897E	130	From 2011-10-09

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Kharkheh	IKAR	Iran	32.4833N 48.1543E	0	From 1998-01-01
Kharsali	KSLI	Himachal Pradesh,India	30.9745N 78.4395E	2555	From 2007-05-01
Khatum	KTMO	Oman	23.4841N 57.6854E	85	From 1998-07-13
Khatystyr	KHY	Amurskaya Oblast',Russia	55.7000N 121.5000E	470	
Khaybar	KBRS	Saudi Arabia	25.7886N 39.2644E	200	
Khaybar	KBR03	Saudi Arabia	25.8220N 39.9500E	1723	
Khaybar	KBR05	Saudi Arabia	25.5730N 40.3070E	1212	
Khaybar	KBR09	Saudi Arabia	26.0344N 39.6655E	1066	
Khaybar	KBR01	Saudi Arabia	25.4575N 39.7813E	1237	
Khaybar	KBR07	Saudi Arabia	25.2560N 39.4630E	911	
Khaybar	KBR04	Saudi Arabia	25.9800N 40.2790E	1173	
Khaybar	KBR10	Saudi Arabia	25.1260N 39.9350E	1114	
Khaybar	KBR02	Saudi Arabia	25.2280N 40.2410E	1000	
Khaybar	KBR08	Saudi Arabia	25.7196N 39.4773E	858	
Kheis	KHE	Arkhangel'skaya Oblast',Russia	80.6167N 58.0500E	21	
Khelvachauri	KHEL	Georgia,Georgia	41.5742N 41.6963E	32	From 2003-01-01
Khenifra	KHF	Morocco	32.9830N 5.7070W	1060	
Khetri	KHET	Rajasthan,India	28.0740N 75.8063E	330	From 2001-08-01
Khezeriat	SKHZ	Iran	30.9498N 48.5347E	6	From 2010-08-11
Khinaliq	XNQ	Azerbaijan	41.1720N 48.1400E	1985	From 2010-11-10
Khiner	KHI1	Pakistan	35.4360N 74.1510E	1240	From 2007-09-01
Khingansk	KNGS	Yevreyskaya Avtonomnaya Oblast',Russia	49.1220N 131.1920E	520	From 1979-08-12 to 1984-04-30
Khios Island	XIO	Greece	38.2567N 26.0408E	210	From 1997-01-01
Khitrov Hills	KHIT	Alaska,U.S.A.	60.4432N 143.2490W	1101	
Khnkoyan	XYB	Armenia	40.8350N 44.0200E	1780	
Khodutka, Kamchatskaya Oblast',Russia	KDTR	Kamchatskaya Oblast',Russia	51.8090N 158.0770E	40	From 2011-09-09
Khodzhikent	KDK	Uzbekistan	41.6167N 69.9667E		
Kholmsk	KHLM	Sakhalinskaya Oblast',Russia	47.0550N 142.0520E	45	From 2008-10-10
Khomeyn	KHMZ	Iran	33.7390N 49.9590E	1985	From 2009-01-12
Khomkaen	KHON	Thailand	16.3378N 102.8230E	134	
Khong Chiam	UBPT	Thailand	15.2800N 105.4700E	120	From 2008-01-01
Khon Kaen	KKTK	Thailand	16.3370N 102.8230E	140	From 2001-01-01
Khonsa	KOI	Arunachal Pradesh,India	26.9833N 95.5000E	785	From 1979-01-01
Khor El Raml	AKRL	Egypt	23.6634N 32.7211E	205	
Khorog	KHO	Tajikistan	37.4833N 71.5333E	2199	
Khorongon	KHR	Tajikistan	38.6667N 68.7833E		
Khor Sakr	AKSR	Egypt	23.6372N 33.0208E		
Khovu-Aksy	HVS	Krasnoyarskiy Kray,Russia	51.1358N 93.7022E	1075	From 2007-04-25
Khrisi	XRY	Crete,Greece	34.8748N 25.6943E	21	
Khulais	KHLS	Saudi Arabia	22.0497N 39.2971E	158	
Khulais	KHLS2	Saudi Arabia	22.2622N 39.5181E	216	
Khumson	KHUM	Tajikistan	41.6800N 69.9500E	850	
Khunzakh	XNZR	Dagestan,Russia	42.5417N 46.7050E	1640	
Khuramsha	HRMR	Buryatiya,Russia	51.6280N 106.9550E	620	From 1997-04-01
Khuzdar	KHUZ	Pakistan	27.7800N 66.6000E	1244	From 2007-11-10
Khvani	KHVA	Georgia,Georgia	42.1902N 43.5236E	829	From 2007-10-03
Kiagna River	KIAG	Alaska,U.S.A.	60.9236N 142.3587W	1773	
Kiajanaja	KJA	Guatemala	15.7398N 91.7827W	2280	From 1980-10-01 to 1999-08-25
Kiara Terrace	KIA	Pakistan	34.1133N 72.7133E	497	
Kiasar	IKIA	Iran	36.2070N 53.6837E	2167	From 2000-08-01
Kibati	KBTI	Democratic Republic of the Congo	1.5690S 29.2770E	2000	
Kibaya	KIBA	Tanzania,United Republic of Tanzania	5.3052S 36.5743E	1520	
Kibumba	KBBA	Democratic Republic of the Congo	1.5190S 29.3328E	2029	
Kibwezi	KIBK	Kenya	2.3400S 38.0460E	775	From 1996-06-01
Kidapawan	KCP	Mindanao,Philippines	7.0090N 125.0900E	598	
Kidman Hollow	KDUT	Utah,U.S.A.	41.7213N 112.0290W	1829	From 1978-10-01
Kiev	KIEV	Ukraine	50.6944N 29.2083E	123	
Kiffisia	KIF1	Greece	38.0773N 23.8146E	307	From 2012-09-01
Kigali	KIG	Rwanda	1.9634S 30.0633E	1545	From 2008-10-09
Kigoma	KGMA	Tanzania,United Republic of Tanzania	4.8782S 29.6337E	820	
Kiinagashima	JKN	Mie,Japan	34.2483N 136.2633E	90	
Kijevo	KIJV	Croatia	44.0050N 16.4050E	413	From 2004-04-07
Kijyo	JKJ	Miyazaki,Japan	32.2483N 131.4150E	380	
Kikaishima	JZK	Ryukyu Islands,Japan	28.3145N 129.9720E	130	
Kika Raxquin	KIK	Guatemala	14.8130N 91.4105W	3200	From 1980-10-01
Kilembe	KIL	Uganda	0.2000N 30.0080E	1372	From 1991-07-01
Kilenge	KCM	New Britain,Papua New Guinea	5.4833S 148.3830E	15	From 1975-03-01 to 1980-09-05
Kilima Mbogo	KMBO	Kenya	1.1268S 37.2523E	1940	
Kilkis	KIL1	Greece	40.9979N 22.8818E	180	From 2008-09-30
Killari	KLRI	Andhra Pradesh,India	18.0693N 76.5977E	614	From 2009-09-10
Killbear Provincial Park	KLBO	Ontario,Canada	45.3566N 80.2132W	177	From 2009-05-19
Kilmashogue	DKM	Ireland	53.2553N 6.2644W	280	From 1976-11-01 to 2002-01-06
Kilpisjarvi	KIF	Finland	69.0044N 20.8018E	0	
Kilyos	KLYT	Turkey	41.2530N 29.0420E	30	From 2002-01-01
Kim	S26A	Colorado,U.S.A.	37.6216N 103.4711W	1394	From 2008-12-06 to 2010-11-07
Kimball Elementary School	KIMB	Washington,U.S.A.	47.5752N 122.3016W	100	
Kimball Pass	KMP	Alaska,U.S.A.	61.5143N 145.0300W	1103	From 1977-08-04
Kimbe	BULU	New Britain,Papua New Guinea	5.5345S 150.3159E	25	From 2013-02-24
Kimbe	KMBE	New Britain,Papua New Guinea	5.5590S 150.1530E	10	
Kimbe	KMB	New Britain,Papua New Guinea	5.4833S 150.1000E	23	From 1969-11-22 to 1999-08-25
Kimberley	KIM	Orange Free State,South Africa	28.7517S 24.7800E	1321	
Kinaliada	KNAL	Turkey	40.9035N 29.0458E	8	From 2012-05-18
Kincaid Ranch	HKRM	California,U.S.A.	36.9017N 121.4260W	66	From 1975-07-03
Kincaid Ranch, Fort Stockton	428A	Texas,U.S.A.	30.7263N 102.6847W	982	From 2008-03-10 to 2010-02-13
Kincumber High School	AUKHS	New South Wales,Australia	33.4600S 151.3800E	27	From 2013-05-22
Kindia	KING	Guinea	9.9638N 12.8685W	410	From 1991-07-01
King	U56A	North Carolina,U.S.A.	36.3472N 80.3829W	363	From 2013-04-24
King County	TKCO	Washington,U.S.A.	47.5369N 122.3004W	0	
King Edward Point	KEP	South Georgia Islands	54.2800S 36.4800W		From 1972-03-01 to 1999-08-25
King George, VA	R59A	Virginia,U.S.A.	38.2000N 77.1164W	35	From 2013-04-18
Kingman	KG-	Arizona,U.S.A.	35.6417N 113.9078W	1067	From 1963-04-19 to 1963-07-11
Kingman	KG-AZ	Arizona,U.S.A.	35.6417N 113.9078W	1067	From 1963-04-19 to 1963-07-11
Kingman	KG-AS	Arizona,U.S.A.	35.6417N 113.9078W	1067	
King Ranch	KRC	California,U.S.A.	35.3267N 119.7450W	680	
Kingsbay	KBS	Svalbard,Norway	78.9256N 11.9417E	74	From 1994-11-05
Kingsbury	G63A	Maine,U.S.A.	45.1147N 69.6186W	363	From 2013-09-22
Kingscourt	DMU	Ireland	53.8989N 6.9106W	280	From 1976-11-01
Kingscourt	DMUB	Ireland	53.9000N 6.9086W	280	From 1994-04-11
Kings Mountain	KMOR	Oregon,U.S.A.	45.6355N 123.4900W	975	From 1982-09-01
Kings Mountain, Blacksburg	KMSC	South Carolina,U.S.A.	35.1420N 81.3333W	240	From 2008-10-13
Kings Tableland	KTLM	New South Wales,Australia	33.8621S 150.4042E	720	
Kingston	KGNO	Ontario,Canada	44.2272N 76.4934W	89	
Kingston	KIN	Jamaica	17.9737N 76.7851W	32	From 1937-01-01 to 1978-12-09
Kingsville	KVTX	Texas,U.S.A.	27.5459N 97.8929W	14	
Kingsville	L50A	Ontario,Canada	42.0430N 82.8095W	187	From 2012-12-09
Kinkasan	KSN	Miyagi,Japan	38.2717N 141.5883E		
Kinmen	KNM	Taiwan region	24.4167N 118.4333E	13	
Kinomoto	KNJ	Wakayama,Japan	34.2623N 135.1250E	20	From 1965-06-02 to 1965-11-30
Kinomoto	KMT	Wakayama,Japan	34.2623N 135.1250E	20	From 1965-06-02 to 1965-11-30
Kiomboi	KIOM	Tanzania,United Republic of Tanzania	3.5833S 34.4722E	1487	
Kipapa	KIP	Hawaii,U.S.A.	21.4233N 158.0140W	73	
Kipawa	MLQ1	Quebec,Canada	46.8036N 78.9873W	299	
Kipouria, Kephalonia	KEF3	Greece	38.2031N 20.3482E	115	From 2014-01-28
Kipourio	KPRO	Greece	39.9549N 21.3632E	837	From 2011-03-30
Kipp Ranch, Antelope Well	320A	New Mexico,U.S.A.	31.3369N 108.5284W	1414	From 2008-02-16 to 2010-01-19
Kipuka Nene	KNH	Hawaii,U.S.A.	19.3350N 155.2900W	924	From 1967-09-21
Kiractepe	KRCT	Turkey	41.0814N 32.8792E	1449	From 1993-07-01 to 1994-06-30
Kirbyville	440A	Texas,U.S.A.	30.7456N 93.9587W	59	From 2010-05-22 to 2011-12-07
Kirchzarten	KIZ	Baden-Wurttemberg,Germany	47.9562N 7.9182E	445	From 1987-01-01
Kirikhan	KRH	Turkey	36.4922N 36.3466E	220	From 1979-12-01 to 1999-08-25
KIRIKKALE	DELI	Turkey	39.9979N 33.9204E	1169	From 2013-01-15
Kiri Road	TKEZ	North Island,New Zealand	39.3877S 174.0077E	330	From 1993-12-14 to 1996-04-01
Kirishev	KIRR	Kamchatskaya Oblast',Russia	55.9530N 160.3420E	1475	From 2006-08-01
Kirishima Volcano	KV01	Kagoshima,Japan	31.9447N 130.8478E	1215	
Kiritimati	XMAS	Kiribati	2.0448N 157.4453W	1	
K¯rka- Seyitgazi ESKISEHIR	AUKIR	Turkey	39.2772N 30.5308E	1088	From 2010-06-20
Kirkby Lonsdale	LKL	England,United Kingdom	54.2185N 2.5345W	396	From 1989-01-01 to 1992-10-14
Kirkenes	KRK	Norway	69.7242N 30.0625E	25	
Kirkland Lake	KLO	Ontario,Canada	48.2060N 79.9950W	350	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kirkland Lake	KLC	Ontario,Canada	48.1447N	80.0292W	310	
Kirkland Lake	KILO	Ontario,Canada	48.4970N	79.7233W	322	
K¯–rklareli	KIRK	Turkey	41.7817N	27.0972E	258	From 2013-02-09
K¯–rklareli/Merkez-Arma¯an	ARMN	Turkey	41.8639N	27.4289E	406	From 2014-11-28
K¯–rklareli/Vize-Akp¯–nar	VIZE	Turkey	41.5785N	27.8400E	345	From 2014-11-28
Kirk Michael	IOMK	Isle of Man	54.2605N	4.5662W	188	From 2012-02-09
Kirksville	O39A	Missouri,U.S.A.	40.2544N	92.5438W	282	From 2010-12-08 to 2012-09-27
Kirkuk	IKRK	Iraq	35.4000N	44.3400E	331	From 2009-01-01
Kirkwood Meadows Resort, Kirkwood	R05C	California,U.S.A.	38.7028N	120.0755W	2366	From 2005-08-05 to 2007-10-05
Kirov	KIRV	Kirovskaya Oblast',Russia	58.5850N	49.4158E	0	
Kirovokan	KIRO	Armenia	40.7867N	44.4917E	1400	
Kirovskiy	KROS	Amurskaya Oblast',Russia	54.4330N	126.9710E	455	
K¯–r¯ehir-Merkez	KIRS	Turkey	39.1329N	33.9168E	981	From 2013-03-02
Kiruna	KIR	Sweden	67.8400N	20.4167E	390	
Kishima-dake	KISK	Kumamoto,Japan	32.8926N	131.0669E	1105	
Kishinev	KIS	Moldova	46.9980N	28.8180E	185	
Kishinomiya	KISE	Wakayama,Japan	34.2220N	135.3000E	75	
Kishtwar	KSHWR	Jammu and Kashmir	33.3118N	75.7773E	1780	
Kislovodsk	KIV	Stavropol'skiy Kray,Russia	43.9553N	42.6863E	1054	
Kislovodsk Array Beam Reference Point	KVAR	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 0	KIV0	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 1	KIV1	Stavropol'skiy Kray,Russia	43.9570N	42.6946E	1196	
Kislovodsk Array Site 2	KIV2	Stavropol'skiy Kray,Russia	43.9554N	42.6970E	1196	
Kislovodsk Array Site 3	KIV3	Stavropol'skiy Kray,Russia	43.9547N	42.6939E	1196	
Kissamos	KIS1	Crete,Greece	35.4940N	23.6590E	15	From 2011-10-01
Kitadaitoujima	JKDJ	Ryukyu Islands,Japan	25.9496N	131.2969E	41	From 2013-07-01
Kitadake	KITD	Kagoshima,Japan	31.5992N	130.6461E	450	
Kita-Gairin	NRMH	Iburi,Japan	42.5479N	140.8392E	484	
Kitakami	KGJ	Iwate,Japan	39.3883N	141.5650E	376	
Kitakata	JKIT	Miyazaki,Japan	32.6245N	131.4535E	180	From 1997-03-01
Kitausu	KITH	Iburi,Japan	42.5239N	140.8104E	120	
Kite	155A	Georgia,U.S.A.	32.6219N	82.4665W	93	From 2012-03-21
Kithairon Oros	MKIT	Greece	38.1842N	23.2599E	1406	
Kithira	KYTH	Greece	36.2652N	23.0468E	465	
Kitimat	KITB	British Columbia,Canada	54.0779N	128.6369W	12	From 2014-03-20
Kitsap County Moderate Risk Waste Facility	KIMR	Washington,U.S.A.	47.5031N	122.7672W	100	
Kitsap County North Road Shed	KINR	Washington,U.S.A.	47.7517N	122.6431W	100	
Kitsap County Wastewater Treatment Plant	KITP	Washington,U.S.A.	47.6750N	122.6297W	100	
Kitwe	KTWE	Zambia	12.8140S	28.2090E	1227	
Kiyosumi	KIY	Chiba,Japan	35.1500N	140.1830E	290	
Kiyosumi	KYS	Chiba,Japan	35.1977N	140.1480E	180	From 1966-04-01
Kiyzas, Kuzbass, Russia	KIYZ	Kemerovskaya Oblast',Russia	53.5582N	87.7592E	242	From 2014-12-26
Kizel	KIZR	Permskiy Kray,Russia	59.0497N	57.6555E	296	From 1999-01-01 to 2003-10-22
Kizilcal	KIZT	Turkey	38.8800N	31.8800E	1202	
Kizimen	KZV	Kamchatskaya Oblast',Russia	55.1130N	160.2940E	1509	From 2009-11-10
Kizyl-Arvat	KAT	Turkmenistan	39.0280N	56.2700E	200	
Klagenfurt	KFA	Austria	46.6483N	14.3278E	450	
Klamath Falls	L04A	Oregon,U.S.A.	42.1750N	121.8910W	1336	From 2006-05-24 to 2007-10-26
Klamath Falls	KFO	Oregon,U.S.A.	42.2667N	121.7450W	1439	From 1962-01-01
Klamath Falls	L04D	Oregon,U.S.A.	42.2180N	122.3046W	1437	From 2010-07-30
Klamath Falls	KFAL	Oregon,U.S.A.	42.2577N	121.7851W	1326	
Klaveano Farm, Fernwood	D11A	Idaho,U.S.A.	47.0477N	116.3353W	849	From 2006-11-11 to 2008-06-07
Klein Altendorf	BA10	Nordrhein-Westfalen,Germany	50.6131N	6.9945E	186	From 2006-10-01
Kleinbodungen	KBDG	Thuringen,Germany	51.3334N	10.8669E	425	From 2008-06-18 to 2012-02-17
Klepka	KLEP	Magadanskaya Oblast',Russia	59.7511N	151.4910E	78	From 2009-12-28 to 2010-03-02
Klimovskoe	KLMR	Arkhangel'skaya Oblast',Russia	60.8539N	39.5186E	157	From 2003-11-25
Klindworth Farms, Hogeland	A19A	Montana,U.S.A.	48.9286N	108.7429W	971	From 2008-08-27 to 2010-07-20
Klokotos Trikala	THL	Thessaly,Greece	39.5647N	22.0145E	107	From 2006-09-22
Kloof	KLOF	South Africa	26.3498S	27.6100E	1631	From 2006-08-16
Kloten, Waffenplatz, ZH	SKLW	Switzerland	47.4630N	8.5674E	428	From 2015-05-15
Kluane	KEY	Yukon Territory,Canada	61.0500N	138.5020W	785	From 1979-03-09 to 1981-07-25
Kluang	KGM	Peninsular Malaysia,Malaysia	2.0157N	103.3190E	103	
Klutina	KLU	Alaska,U.S.A.	61.4928N	145.9200W	1012	From 1972-08-09
Klyuchi	KLY	Kamchatskaya Oblast',Russia	56.3130N	160.6520E	100	
Knez@19ji Dol	KNDS	Slovenia	45.5279N	14.3806E	1024	From 2004-01-01
KNGHS	KNGHS	Saudi Arabia	18.2930N	43.4962E	1848	
Knife Ck. Glacier	KCG	Alaska,U.S.A.	58.3076N	155.1114W	762	
Knight Island	KNIM	Alaska,U.S.A.	60.3487N	147.7360W	434	
Knik Glacier	KNK	Alaska,U.S.A.	61.4125N	148.4560W	595	
Knox Farm, Ray	B25A	North Dakota,U.S.A.	48.2716N	103.1613W	705	From 2009-07-28 to 2011-07-24
Knox Ranch	KNO	California,U.S.A.	35.4833N	118.5280W	1090	From 1952-07-01 to 1952-11-10
Knoxville	HPKT	Tennessee,U.S.A.	35.9260N	83.8790W	305	From 1980-03-25 to 1991-04-01
Kobayashi Ranch	KBY	California,U.S.A.	33.0402N	115.7010W	-51	From 1975-02-01 to 1976-05-31
Kobdi	AY1S	Sakha,Russia	64.2000N	145.5100E	800	From 1971-06-08 to 1971-12-31
Kobe	KOB	Hyogo,Japan	34.6883N	135.1800E	58	
Kobe	KBE	Hyogo,Japan	34.7345N	135.1778E	440	
Kobuan	KOA	Bougainville,Papua New Guinea	6.2241S	155.6190E	65	From 1969-12-07 to 1972-11-30
Kobugahara	KBH	Tochigi,Japan	36.6550N	139.5286E	700	
Kocaeli-Kandira	KAND	Turkey	41.0943N	30.1922E	75	From 2010-11-25
Kochi	KOC	Kochi,Japan	33.5533N	133.5370E	-1	
Kochiharuno	JKHR	Kochi,Japan	33.5100N	133.4988E	26	From 2012-11-01
Kodaikanal	KOD	Tamil Nadu,India	10.2333N	77.4667E	2345	From 1910-01-01
Kodera	KDT	Japan	34.9183N	134.7127E	200	From 1970-10-01 to 1972-06-01
Kodiak	KD1	Alaska,U.S.A.	57.7467N	152.4920W		From 1964-04-21 to 1964-05-10
Kodiak	KD2	Alaska,U.S.A.	57.7583N	152.4930W		From 1964-04-10 to 1964-05-03
Kodiak	KD3	Alaska,U.S.A.	57.7483N	152.5150W		From 1964-05-14 to 1964-08-17
Kodiak Island	KDAK	Alaska,U.S.A.	57.7828N	152.5835W	64	
Kodiak Island	KDC	Alaska,U.S.A.	57.7478N	152.4920W	13	From 1964-04-02 to 2004-04-03
Kodinsk	KDN	Krasnoyarskiy Kray,Russia	58.5910N	99.1920E	296	From 2007-09-28
Koelnbreinsperre	KBA	Austria	47.0784N	13.3447E	1721	From 1981-11-01
Koeppel	KOE	Rheinland-Pfalz,Germany	50.4253N	7.7317E	540	
Koester Ranch, Padroni	N26A	Colorado,U.S.A.	40.8289N	103.2221W	1284	From 2008-12-08 to 2010-10-11
Koforidua	KOGH	Ghana	6.0842N	0.2431W	483	From 1987-01-01
Kofu	KFU	Yamanashi,Japan	35.7426N	138.5683E	590	
Kofu	KOF	Yamanashi,Japan	35.6650N	138.5567E	274	
Kog	KOGS	Slovenia	46.4481N	16.2503E	240	From 2004-03-01
Kogok River	KGR	Alaska,U.S.A.	63.1692N	162.0667W	320	
Kohala	KOH	Hawaii,U.S.A.	20.1282N	155.7800W	1166	
Kohestak	KHSK	Iran	26.7568N	57.0528E	40	From 2010-04-30
KOHEUNG	KOHB	Republic of Korea	34.6184N	127.2758E	68	From 2009-09-24
Koh Gabri	KHGB	Iran	30.3755N	56.4768E	2057	From 2010-05-05
Kohima	KHM	Nagaland,India	25.6631N	94.0761E	1630	From 1979-01-01
KOHIMA	KOHI	Nagaland,India	25.7203N	94.1081E	1353	From 2011-05-01
Kohlern	KOSI	Italy	46.4630N	11.3778E	1604	From 2006-12-13
Kohler Place, Littleton	P24A	Colorado,U.S.A.	39.5144N	104.9082W	1861	From 2008-06-10 to 2010-05-05
Kohls Ranch	KH-AZ	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohls Ranch	KH-	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohzaman	HKZM	Iran	35.3775N	48.9045E	2334	From 2011-04-01
Koide	K12	Iwate,Japan	39.4575N	141.4989E	534	
Koidern River	KRY	Yukon Territory,Canada	61.9700N	140.4080W	686	
Koike	KOID	Kagoshima,Japan	31.5872N	130.6128E	40	
Kokohu	KNZ	North Island,New Zealand	39.0217S	177.6737E	32	From 1998-10-19
Kokoji	K04	Iwate,Japan	39.3611N	141.5192E	477	
Kokpek	KPKS	Kazakhstan	43.4660N	78.6840E	1137	From 2004-06-09
Kokstad	KSD	Cape Province,South Africa	30.5410S	29.4167E	1350	From 1993-03-01
Kolacno	KOLL	Slovakia	48.5787N	18.4024E	290	From 2002-12-01
Kolahrood	IKLH	Iran	33.3190N	51.5787E	2280	From 2000-09-01
Kolaka, Sulawesi	KKSI	Sulawesi,Indonesia	4.1718S	121.6513E	89	From 2008-12-01
Kolanjah	KLNJ	Iran	31.0084N	51.5921E	2950	From 2011-04-01
Kolari	KLF	Finland	67.2347N	23.9640E	208	From 2014-11-11
Kolasin	KOME	Montenegro	42.8505N	19.5152E	1030	From 2011-07-26
Kolay	KOL	Turkey	41.4243N	35.7961E	145	From 1976-09-01
Koldanda	KOLN	Nepal	27.7700N	83.6000E	1830	From 1994-04-01
KOLHAPUR, MAHARASTRA	KOLH	Maharashtra,India	16.8338N	74.2813E	563	From 2002-07-02
Koln Dom Grabung	BA19	Nordrhein-Westfalen,Germany	50.9412N	6.9577E	48	From 2006-10-01
K¯¶ln Uni	BA26	Nordrhein-Westfalen,Germany	50.9261N	6.9329E	47	From 2013-05-11
Koln University	BA07	Nordrhein-Westfalen,Germany	50.9259N	6.9243E	50	From 2006-10-01 to 2012-08-01
Kolonicke sedlo	KOLS	Slovakia	48.9333N	22.2731E	460	From 2004-09-01
Komaba	KOM	Saitama,Japan	35.6500N	139.7630E	38	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Komagane	KGN	Yamanashi,Japan	35.7518N	137.9719E	629	
Komaggas	KOMG	Cape Province,South Africa	29.7970S	17.4837E	299	
Komakuk Beach	KBT	Yukon Territory,Canada	69.5937N	140.1820W	15	From 1981-08-08
Komarou	KOMA	Tajikistan	39.1000N	70.4000E		
Komasi	IKOM	Iran	34.1745N	47.5102E	1502	From 2004-01-01
Komatsu	KMJD	Ishikawa,Japan	36.3645N	136.5057E	70	
Komatsu	KMD	Ishikawa,Japan	36.3135N	136.4916E	70	
Komgaron	KMGR	Severo-Osetinskaya,Russia	43.0572N	44.8659E	740	From 2010-08-07
Komotini	KMT1	Greece	41.1159N	25.4067E	52	From 2011-12-15
Kompina	KMC	Cameroon	4.3861N	9.5781E	85	From 1984-12-14
Komsomolabad	KOMS	Tajikistan	38.9000N	69.9500E		
Komsomolskaya	KMSR	Severo-Osetinskaya,Russia	43.3708N	44.2924E	348	From 2005-08-11
Konawaena	KNW	Hawaii,U.S.A.	19.5133N	155.9180W	495	From 1922-01-01 to 1960-12-31
Kondoa	KOND	Tanzania,United Republic of Tanzania	4.9088S	35.7908E	1357	
Konedobu	KDB	Papua New Guinea	9.4717S	147.1600E	40	From 1968-01-01
Kongan	KGNI	Nagaland,India	26.7558N	94.8383E	500	
Kongsberg	KON	Norway	59.6491N	9.5982E	216	
Kongsberg	KONO	Norway	59.6491N	9.5982E	216	From 1991-06-28
Konidatara, Kephalonia	KONA	Greece	38.4249N	20.5710E	248	From 2014-02-05
Konigsberg	KNG	Kaliningradskaya Oblast',Russia	54.8333N	20.5000E	33	
Konitsa	KNS	Greece	40.0596N	20.7592E	1090	From 2008-02-28
Konitsa	KNS1	Greece	40.0480N	20.7524E	618	From 2010-10-01
Konogogo	EKN	New Ireland,Papua New Guinea	3.4888S	152.1850E	270	
Konpirayama	KONH	Iburi,Japan	42.5541N	140.8168E	230	
Konsvik	KONS	Norway	66.4992N	13.1193E	36	From 2005-07-01
Konsvik	STOK1	Norway	66.5000N	13.1200E	36	From 2005-07-01
Konya/Alt¯–ntekin	ALIN	Turkey	38.2985N	32.8785E	1073	From 2014-12-01
KONYA_Doganhisar	DOGA	Turkey	38.1058N	31.6682E	1452	From 2011-10-04
Konya-Eregli	KERG	Turkey	37.4146N	34.1250E	1365	From 2010-11-10
Konya-Kulu	KKUL	Turkey	39.1713N	32.9173E	1178	From 2010-11-11
Konya-Meram	KMER	Turkey	37.7685N	32.3680E	1231	From 2010-11-11
Konya/Seydi¯ehir-Tara¯^§¯–	SEDI	Turkey	37.4511N	31.7549E	1255	From 2014-12-01
Konya--Tatoy	KONT	Turkey	37.9453N	32.3605E	550	
Koohdasht(Tabas)	TKDS	Iran	33.6134N	57.1221E	1222	From 2011-08-01
Kookooligit Mountain	KKLA	Alaska,U.S.A.	63.5888N	170.3755W	655	From 1980-07-01
Kooshah	IKOO	Iran	32.4241N	59.0044E	2245	From 2005-12-01
Kootwijk	NE32	Netherlands	52.1790N	5.8120E	40	
Kopaniny	KOCW	Czech Republic	50.2652N	12.2336E	575	From 1994-01-01
Kop Dagi	KOPT	Turkey	40.0179N	40.4972E	2489	From 2006-09-18
Kophill	SKP1	England,United Kingdom	51.7218N	0.8096W	212	From 1993-01-01
Koprukoy-ERZURUM	KOPR	Turkey	39.9916N	41.8534E	1675	From 2012-11-28
Kopyto	KPT	Kamchatskaya Oblast',Russia	55.9661N	160.2219E	1004	
Kora	KORR	Severo-Osetinskaya,Russia	43.0861N	44.0677E	621	From 2005-11-03
Korca	KBN	Albania	40.6236N	20.7874E	870	
Korea Array	KSRS	Republic of Korea	37.4540N	127.9230E		
Korhogo	LKO	Ivory Coast	9.5444N	5.5889W	435	From 1989-06-01
Korinthos	KOR2	Greece	37.9401N	22.9494E	31	From 2012-09-01
Korintji-Dempo	KKD	Sumatera,Indonesia	3.7000S	102.9330E		
Korkueli	KORT	Turkey	37.0007N	30.3503E	1304	From 2008-03-06
Korkuteli	KORK	Turkey,Turkey	37.0007N	30.3503E	1304	
Koro	KRO	Fiji	17.3141S	179.3920E	522	From 1981-11-01
Korolevo	KORU	Ukraine	48.1573N	23.1339E	150	From 1998-07-15
Koror	KOR	Caroline Islands,Palau	7.3350N	134.4850E	30	From 1950-01-01 to 1958-12-31
Korovin Flat Point	KOFP	North America,U.S.A.	52.2751N	174.0972W	662	
Korovin Northeast	KONE	Alaska,U.S.A.	52.3936N	174.1193W	253	
Korovin Northwest	KONW	Alaska,U.S.A.	52.3980N	174.2080W	334	
Korovin Southeast	KOSE	Alaska,U.S.A.	52.3450N	174.0500W	625	
Korovin Volcano	KOKV	Alaska,U.S.A.	52.3610N	174.1640W	776	
Korovin West	KOWE	Alaska,U.S.A.	52.3657N	174.2507W	527	
Kortright Cn Earth Rangers Ctr, Woodbridge	I53A	Ontario,Canada	43.8238N	79.5912W	195	From 2012-11-28
Koryaka	KOK	Kamchatskaya Oblast',Russia	53.2919N	158.6361E	1050	
Koryakskii	KRER	Kamchatskaya Oblast',Russia	53.3040N	158.7490E	1847	From 2009-01-15
Kosan Boka	KIC	Ivory Coast	6.3606N	4.7411W	176	From 1967-06-01
Koshkarbay	KOSH	Kazakhstan	53.0300N	69.0600E	330	From 1972-12-01 to 1975-04-01
Kos Island	KOS1	Greece	36.8924N	27.2901E	30	From 2001-01-25
Kos Island	KOSK	Crete,Greece	36.7516N	26.9785E	7	From 2012-05-10
Kosmodemyansk	KOS	Sakhalinskaya Oblast',Russia	44.1000N	145.8830E		
Kosmos	KOSW	Washington,U.S.A.	46.4613N	122.1910W	828	
Kosov	KSV	Ukraine	48.3150N	25.0667E	450	
Kosovska,, Mitrovica	KMIS	Serbia	42.9179N	20.8377E	0	From 2008-01-01
Koster	KSR	Transvaal,South Africa	25.8517S	26.8972E	1623	
Kota Agung	KASI	Sumatera,Indonesia	5.5236S	104.4967E	0	From 2007-12-01
Kotabaru	KBKI	Borneo,Indonesia	3.2995S	116.1670E	0	From 2007-12-01
Kotabumi	KLI	Sumatera,Indonesia	4.8630S	104.8567E	32	
Kotacane, Aceh	KCSI	Sumatera,Indonesia	3.5220N	97.7715E	204	From 2008-12-01
Kota Kinabalu	KKM	Sabah,Malaysia	6.0443N	116.2147E	830	
Kota Tinggi	MYKOM	Peninsular Malaysia,Malaysia	1.7900N	103.8500E	0	From 2006-03-24
Kothagudem	KGD	Andhra Pradesh,India	17.5767N	80.6571E	0	
Kothi	KOTI	Himachal Pradesh,India	32.3077N	77.2000E	2527	From 1985-08-01
Kotkhai	KKHI	Himachal Pradesh,India	31.1015N	77.5814E	2240	From 2007-05-01
Kotohata	K07	Iwate,Japan	39.4164N	141.6564E	554	
Kotokel	KELR	Buryatiya,Russia	52.7600N	108.0800E	460	From 2005-11-03
Kottamaia	KEG	Egypt	29.9275N	31.8292E	460	From 1991-01-01
Kottamia	KOT	Egypt	29.9276N	31.8292E	507	
Kotyrbulak	KOTS	Kazakhstan	43.2340N	77.1120E	1630	From 1996-09-01
Kotzebue	KTA	Alaska,U.S.A.	66.8500N	162.6100W	26	From 1976-08-01
Koumac	KOU	New Caledonia	20.5619S	164.2810E	17	
Koumac, New Caledonia	KOUNC	New Caledonia	20.5507S	164.2861E	88	From 2011-03-17
Koumaradei	KOUM	Greece	37.7041N	26.8377E	340	
Kourou	KOG	French Guiana,France	5.2070N	52.7320W	10	
Koussour	KSU	Djibouti	11.5335N	42.4463E	370	From 1975-11-01
Koussour	KSDD	Djibouti	11.5349N	42.4453E	378	
Kouya	JWY	Wakayama,Japan	34.2183N	135.5930E	795	
Kovokta	KVO	Buryatiya,Russia	56.1400N	113.0500E	1280	
Kowa	KOWA	Mali	14.4967N	4.0167W	280	
Kowarra	KOWM	Victoria,Australia	35.7885S	144.5201E	102	
Kowen Forest	KOW	Australian Capital Territory,Australia	35.2883S	149.2980E	792	
Koyama	KOY	Shizuoka,Japan	35.3500N	138.9830E		
Koyna Nagar	KNI	Maharashtra,India	17.3967N	73.7500E	630	From 1963-10-11 to 1999-08-25
Kozaga	JWZ	Wakayama,Japan	33.5305N	135.7148E	230	
Kozakli-Nevsehir	KOZK	Turkey	39.2101N	34.8680E	1134	From 2015-02-11
Kozan	KOZTB	Turkey	37.4360N	35.8180E	150	From 1993-03-01
Kozan	KOZT	Turkey	37.4805N	35.8267E	381	From 2005-08-25
Kozani	KZN	Greece	40.3067N	21.7708E	900	
Kozani	KOZ2	Greece	40.3052N	21.7838E	745	From 2011-04-01
Kozel'skiy	KZL	Kamchatskaya Oblast',Russia	53.2010N	158.8940E	950	
Kozjak Brana	KOZJ	FYR Macedonia	41.8778N	21.1950E	533	From 2004-01-01
Kozu shima	JKO	Bonin Islands,Japan	34.1867N	139.1367E	138	
Kozyr	KOZ*	Kamchatskaya Oblast',Russia	56.0660N	159.8960E		
Kozyr	KOZR	Kamchatskaya Oblast',Russia	56.0660N	159.8960E	450	
Kozyrevsk	KOZ	Kamchatskaya Oblast',Russia	56.0580N	159.8732E	450	
K-Podol'skiy	KMPD	Ukraine	48.5630N	26.4600E	121	
Krabesse	KRAM	Morocco	31.7030N	9.3400W		
Krabi	KRAB	Thailand	8.2215N	99.1965E	58	
KRABS	KRABS	Saudi Arabia	28.1010N	35.2540E	129	
Krakow	KRA	Poland	50.0561N	19.9397E	223	From 1954-01-01 to 1992-04-30
Kraliky	KRLC	Czech Republic	50.0753N	16.7817E	754	From 2007-11-01
Kramer	KM-	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramer	KM-CL	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
KRANIDI	KRND	Greece	37.3830N	23.1502E	140	From 2010-06-08
Krashen	COLK	Armenia	40.8800N	43.9650E	1860	
Kraslice	KRCW	Czech Republic	50.3316N	12.5304E	760	From 1994-01-01
KrasnayaPolyana	KPR	Krasnodarskiy Kray,Russia	43.6667N	40.2000E	450	
Krasnaya Polyana	RPOR	Krasnodarskiy Kray,Russia	43.6996N	40.2662E	600	From 2010-03-01
Krasnodar	KGUR	Krasnodarskiy Kray,Russia	45.0216N	39.0297E	66	
Krasnogorka	KRS	Kazakhstan	43.2500N	75.1667E		
Krasnovodsk	KRF	Turkmenistan	40.0130N	53.0030E	10	
Krasnoyarsk	KRAR	Krasnoyarskiy Kray,Russia	56.0120N	92.8729E	123	From 1999-12-24
Krefeld	NE39	Nordrhein-Westfalen,Germany	51.3425N	6.5375E	40	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kremmling	O22A	Colorado,U.S.A.	40.1618N	106.5470W	2747	From 2008-06-21 to 2010-06-14
Kremsmunster	KMR	Austria	48.0565N	14.1319E	379	From 1958-01-01
Kreppuhraun	IKRE	Iceland	64.7837N	16.3828W	760	From 2006-11-01
Krestovskiy	KRSR	Kamchatskaya Oblast',Russia	56.2169N	160.5653E	1120	
Kreuzlingen, Kantonsschule TG	SKRK	Switzerland	47.6481N	9.1804E	405	From 2015-04-20
Krib	KRIT	Tunisia	36.3383N	9.0748E	640	
Kristallenia	KRIS	Crete,Greece	35.1780N	25.5030E	850	
Krokottuvotn	IKVO	Iceland	65.7140N	16.8810W	572	From 2002-06-23
Krokur	IKRO	Iceland	64.0980N	21.1200W	147	From 1996-10-08
Kromhout	KROM	Cape Province,South Africa	34.1438S	24.6212E	75	
Kronoki	KRN	Kamchatskaya Oblast',Russia	54.5961N	161.1339E	50	
Krupnik	KKB	Bulgaria	41.8667N	23.0833E	434	
Krusevo	KRUS	FYR Macedonia	41.3689N	21.2488E	1015	From 2006-09-01
Krutoberegovo	KBG	Kamchatskaya Oblast',Russia	56.2550N	162.7050E	30	
Krutoberegovo 1	KBTR	Kamchatskaya Oblast',Russia	56.2081N	162.8189E	200	
Krutsinger Ranch, Parks	O28A	Nebraska,U.S.A.	40.1262N	101.7735W	1032	From 2009-05-28 to 2011-04-06
Krysuvik	IKRI	Iceland	63.8780N	22.0760W	146	From 1992-12-01
Ksara	KSA	Lebanon	33.8233N	35.8900E	920	
Ksar Es Souk	KES	Morocco	31.9950N	4.4550W	1124	From 1973-02-01 to 1976-10-31
Kshj	KSHJ	Jordan	30.2740N	36.9660E	1005	From 1995-08-01
Ksiaz	KSP	Poland	50.8428N	16.2931E	353	From 1970-01-01
KU8	KU8	Finland	66.0287N	27.9436E	270	From 2009-09-25
Kuala Lumpur	KLM	Peninsular Malaysia,Malaysia	3.1025N	101.6450E	46	
Kuala Trengganu	KTMY	Peninsular Malaysia,Malaysia	5.3283N	103.1356E	33	
Kuala Trengganu	KTGM	Peninsular Malaysia,Malaysia	5.3280N	103.1340E	56	From 1994-01-01
Kuangyinshan	TWS1	Taiwan region	25.1008N	121.4177E	60	From 1981-01-05
Kuaotunu	KUZ	North Island,New Zealand	36.7452S	175.7209E	76	From 1990-10-11
Kubaka	GOLD	Magadanskaya Oblast',Russia	63.6780N	159.9570E	726	From 2003-01-14
Kubataba	KUBR	Stavropol'skiy Kray,Russia	43.8000N	43.4097E	665	
Kuba-Taba	KBTC	Stavropol'skiy Kray,Russia	43.8166N	43.4084E	687	From 2006-11-10
Kubokawa	JKU	Kochi,Japan	33.3095N	133.0633E	340	
Kubrat	KUBB	Bulgaria	43.8024N	26.4941E	261	From 2012-11-20
Kucevo	KUBS	Serbia	44.4123N	21.6749E	389	From 2010-07-14
Kuching	KSM	Sarawak,Malaysia	1.4733N	110.3083E	66	
Kuchinoerabu	JKC	Ryukyu Islands,Japan	30.4620N	130.1957E	20	
Kuchiyama	KCY	Tokushima,Japan	33.9970N	134.1422E	260	
Kucino	KUC	Moskovskaya Oblast',Russia	55.7500N	37.9667E	155	
Kuckum	BD14	Nordrhein-Westfalen,Germany	51.0813N	6.3925E	74	From 2012-07-22
Kudamatsu	JKD	Yamaguchi,Japan	34.0540N	131.8738E	220	
Kudat	KDM	Sabah,Malaysia	6.9160N	116.8330E	3	
Kuemmerle Ranch, Upton	I24A	Wyoming,U.S.A.	43.8594N	104.6263W	1338	From 2008-10-23 to 2010-08-16
Kufra	LKFR	Libya	24.1613N	23.2122E	413	
Kufra	KFRA	Syria	35.2125N	36.7996E	650	From 1994-12-01
Kugaaruk Camp, Nunavut	KUGN	Nunavut,Canada	68.0898N	90.0616W	165	From 2007-08-18
Kugluktuk,NWT	KUKN	Northwest Territories,Canada	67.8226N	115.0899W	320	From 2010-07-21
Kujiedanarisawa	JKEN	Iwate,Japan	40.2057N	141.7098E	74	From 2012-11-01
Kukesi	KKS	Albania	42.0756N	20.4113E	300	
Kukul	KKG	Guatemala	14.9750N	92.0360W	960	From 1979-11-01
Kukurantumi	KUK	Ghana	6.1890N	0.3690W	198	From 1973-03-01
Kula-Manisa	KULA	Turkey	38.5144N	28.6607E	915	From 2007-02-21
Kul'dur	KLR	Yevreyskaya Avtonomnaya Oblast',Russia	49.2300N	131.7500E	298	From 1954-01-01
Kulei Odisha,India	KULE	Orissa	20.9893N	85.2635E	73	From 2015-07-15
Kulet Umm Tiheiwat	NMAN	Egypt	23.9169N	33.0737E	275	
Kulim	KULM	Peninsular Malaysia,Malaysia	5.2900N	100.6500E	74	From 2003-11-01
Kulin High School, Kulin	AUKUL	West Australia,Australia	32.6700S	118.1500E	312	From 2012-09-20
Kulkuduk	KLKU	Uzbekistan	42.5400N	63.3000E	361	
Kullorsuaq	KULLO	Greenland	74.5805N	57.2201W	44	From 2009-07-17
Kultieth River Mountain	KULT	Alaska,U.S.A.	60.2479N	142.7214W	1006	
Kulu	KULR	Magadanskaya Oblast',Russia	61.8890N	147.4310E	655	From 1980-01-01
Kulu	KULU	Turkey	39.0426N	33.0023E	1121	From 2010-06-29
Kuludalsa	IKUD	Iceland	64.3210N	21.8750W	28	From 1996-06-28
Kulusuk, Greenland	KULG	Greenland	65.5752N	37.1788W	50	From 2004-08-02
Kulyab	KUL	Tajikistan	37.9200N	69.7800E	600	From 1947-01-01 to 1995-01-01
Kumagaya	KMG	Saitama,Japan	36.1466N	139.3833E	31	
Kumamoto	KUM	Kumamoto,Japan	32.8100N	130.7100E	39	
Kumamoto 2	KUMJ	Kumamoto,Japan	32.5350N	130.8280E	170	
Kumano	KMN	Wakayama,Japan	33.9677N	136.0580E	300	
Kumaryk	KUMR	Uzbekistan	41.2000N	69.3000E	404	
Kumba	KBC	Cameroon	4.6531N	9.4131E	375	From 1985-03-17
Kumbag-Tekirdag	SBT4	Turkey	40.8281N	27.5354E	-1144	From 2010-12-22
Kume jima	KMJ	Ryukyu Islands,Japan	26.3350N	126.8067E	4	
Kume jima 2	JKE	Ryukyu Islands,Japan	26.3260N	126.7860E	71	
Kumisi	KMSG	Georgia,Georgia	41.6211N	44.7754E	420	From 1982-01-01
Kumisi	KYM	Georgia,Georgia	41.6300N	44.7300E	420	
Kumluca	MARK	Turkey	36.2748N	30.4356E	973	From 2003-12-08
Kumora	KMO	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumora	KUM*	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumukh	KMKR	Dagestan,Russia	42.1311N	47.0989E	1950	
Kundal	KUDL	Haryana,India	28.1442N	76.4892E	0	
Kunene	KNN	Democratic Republic of the Congo	1.4800S	29.0670E	1800	
Kunene	KNN1	Democratic Republic of the Congo	1.4873S	29.0707E	1896	
Kungur	PR3R	Permskiy Kray,Russia	57.4437N	57.0059E	116	From 2003-04-03
Kungurtug, Tuva Republic, Russia	KNGR	Tyva,Russia	50.6043N	97.5171E	1311	From 2011-10-11
Kuni	JGK	Gumma,Japan	36.5620N	138.6397E	645	
Kunigami	JOW	Ryukyu Islands,Japan	26.8322N	128.2745E	220	
Kunimi	JKI	Oita,Japan	33.6323N	131.5690E	120	
Kunming	KUN	Yunnan,China	25.1233N	102.7400E	1945	
Kunming	KMI	Yunnan,China	25.1233N	102.7400E	1940	
Kunneppu	KNP	Abashiri,Japan	43.7599N	143.7124E	190	
Kunszentmiklos	PKS7	Hungary	47.0473N	19.1609E	95	
Kununurra	KNA	Western Australia,Australia	15.7500S	128.7667E	150	From 1965-11-01 to 2008-08-20
Kununurra	KNRA	Western Australia,Australia	15.6769S	128.7627E	101	From 2008-08-21
Kuosheng	NWRT	Taiwan region	25.2028N	121.6601E	9	From 2014-08-07
Kuosheng	TWX	Taiwan region	25.1988N	121.6616E	40	From 1975-01-10
Kupang	KUP	Timor,Indonesia	10.1678S	123.5860E	52	
Kupang	KUG	Timor,Indonesia	10.1513S	123.6050E	52	From 1973-01-01
Kupang	KUPT	Timor,Indonesia	10.1513S	123.6050E		
Kupecik-Ladik(Samsun)	KUPE	Turkey	40.8765N	36.0489E	1050	From 2013-12-06
Kupiano	KPN	Papua New Guinea	10.0746S	148.1810E	20	
Kupiano	KUPN	Papua New Guinea	10.0769S	148.1840E	10	From 1983-12-14
Kurahashi	JHM	Hiroshima,Japan	34.1395N	132.5293E	60	
Kuram	KURS	Kazakhstan	43.4880N	78.1700E	840	From 1980-09-01
Kuranda	KDA	Queensland,Australia	16.8250S	145.6300E	365	From 1959-11-01 to 1964-12-31
Kurayoshi	KYTD	Tottori,Japan	35.4392N	133.8339E	100	
Kurayoshi	JKR	Tottori,Japan	35.3783N	133.8198E	174	
Kurchatov	KURK	Kazakhstan	50.7154N	78.6202E	184	From 1995-03-26
Kurchatov Array	KURBB	Kazakhstan	50.6226N	78.5304E	200	From 2006-09-20
Kurchatov Array Site 1	KUR01	Kazakhstan	50.7216N	78.5634E	163	From 2006-09-20
Kurchatov Array Site 10	KUR10	Kazakhstan	50.5236N	78.4977E	203	From 2006-09-20
Kurchatov Array Site 11	KUR11	Kazakhstan	50.6019N	78.6863E	200	From 2006-09-20
Kurchatov Array Site 12	KUR12	Kazakhstan	50.6061N	78.6551E	202	From 2006-09-20
Kurchatov Array Site 13	KUR13	Kazakhstan	50.6102N	78.6242E	224	From 2006-09-20
Kurchatov Array Site 14	KUR14	Kazakhstan	50.6144N	78.5927E	217	From 2006-09-20
Kurchatov Array Site 15	KUR15	Kazakhstan	50.6185N	78.5615E	198	From 2006-09-20
Kurchatov Array Site 16	KUR16	Kazakhstan	50.6269N	78.4993E	193	From 2006-09-20
Kurchatov Array Site 17	KUR17	Kazakhstan	50.6318N	78.4690E	184	From 2006-09-20
Kurchatov Array Site 18	KUR18	Kazakhstan	50.6353N	78.4368E	191	From 2006-09-20
Kurchatov Array Site 19	KUR19	Kazakhstan	50.6394N	78.4057E	180	From 2006-09-20
Kurchatov Array Site 2	KUR02	Kazakhstan	50.7017N	78.5566E	167	From 2006-09-20
Kurchatov Array Site 20	KUR20	Kazakhstan	50.6436N	78.3746E	182	From 2006-09-20
Kurchatov Array Site 21	KUR21	Kazakhstan	50.6222N	78.5311E	240	
Kurchatov Array Site 3	KUR03	Kazakhstan	50.6820N	78.5500E	173	From 2006-09-20
Kurchatov Array Site 4	KUR04	Kazakhstan	50.6622N	78.5434E	176	From 2006-09-20
Kurchatov Array Site 5	KUR05	Kazakhstan	50.6424N	78.5366E	181	From 2006-09-20
Kurchatov Array Site 6	KUR06	Kazakhstan	50.6028N	78.5239E	194	From 2006-09-20
Kurchatov Array Site 7	KUR07	Kazakhstan	50.5831N	78.5172E	200	From 2006-09-20
Kurchatov Array Site 8	KUR08	Kazakhstan	50.5632N	78.5108E	199	From 2006-09-20
Kurchatov Array Site 9	KUR09	Kazakhstan	50.5433N	78.5043E	199	From 2006-09-20
Kurday	KRD	Kazakhstan	43.3833N	75.0500E	900	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kurdemir	KDMR	Azerbaijan	40.3760N	48.1840E	39	From 2009-10-26
Kurdzhali	KDZ	Bulgaria	41.6500N	25.4167E	409	
Kure	KRE	Hiroshima,Japan	34.2333N	132.5670E		
Kuril'sk	KUR	Sakhalinskaya Oblast',Russia	45.2333N	147.8667E	25	
Kurino-dake	KV04	Miyazaki,Japan	31.9422N	130.8133E	1020	
Kurkur	AKUR	Egypt	23.8940N	32.7760E		
Kurmenty	KRM	Kazakhstan	42.9870N	78.2750E	2151	
Kuroka	JGF	Gifu,Japan	35.6008N	137.3572E	580	
Kuromamegawa	KMGE	Nagano,Japan	36.4200N	138.5456E	1557	
Kuro-shima	JKRS	Ryukyu Islands,Japan	24.2375N	124.0092E	9	
Kuroyon	KYJ	Toyama,Japan	36.5640N	137.6692E	1390	
Kurravaara	KUA	Sweden	67.9542N	20.3368E	360	
Kurthwood	341A	Louisiana,U.S.A.	31.3334N	93.1681W	93	From 2011-03-08 to 2012-11-15
Kurtkulagi	KRTT	Turkey	36.9220N	35.8810E	100	From 1994-01-01
Kurty	KUU	Kazakhstan	43.8930N	76.3390E	550	
Kurucasile-Bartin	KURC	Turkey	41.8456N	32.7430E	144	From 2011-12-14
Kurukshetra	KKR	Haryana,India	29.9615N	76.8207E	257	From 1974-01-01
Kurvinen	KU1	Finland	65.5646N	29.5583E	240	From 2003-06-26
Kurzu	KRYG	Georgia,Georgia	42.5826N	42.2841E	310	From 1973-01-01
Kusadasi-Aydin	KUSD	Turkey	37.8604N	27.2868E	321	From 2011-04-20
Kushihara	KHJ	Gifu,Japan	35.2576N	137.4088E	343	
Kushima	JJK	Miyazaki,Japan	31.4800N	131.2847E	235	
Kushima--Naru	JNAR	Miyazaki,Japan	31.5265N	131.2717E	80	
Kushiro	KUSJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KSUJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KUS	Kushiro,Japan	42.9750N	144.3917E	33	
Kushirohamanaka	JKHN	Kushiro,Japan	43.0828N	145.1608E	48	From 2012-11-01
Kuta	KUTA	Papua New Guinea	5.9200S	144.2233E	2017	
Kutahya	KUTH	Turkey	39.3955N	30.0213E	1300	From 2012-03-02
KUTAHYA	AUKUT	Turkey	39.9555N	30.0213E	1085	From 2010-06-20
K^…tahya/Merkez-And¨–z	ANDZ	Turkey	39.5094N	29.8990E	1122	From 2014-11-25
Kutsugahara	KUT	Hiroshima,Japan	34.9528N	132.8160E	336	From 1968-05-06 to 1974-12-27
Kuturchin	KTRR	Krasnoyarskiy Kray,Russia	54.9377N	94.2144E	350	From 2004-11-26
Kutztown	KTZ	Pennsylvania,U.S.A.	40.5117N	75.7800W	148	From 1967-10-01
Kuujjuarapik	KJKQ	Quebec,Canada	55.2769N	77.7455W	15	From 2011-08-13
Kuujjuuaa	KUQ	Quebec,Canada	58.1090N	68.4113W	54	From 1990-01-21
Kuzuini	KUZU	Turkey	36.7735N	37.0750E	701	From 2007-12-07
Kuzumaki	JKZ	Iwate,Japan	39.9845N	141.3298E	620	
Kvetna	KVC	Czech Republic	50.2059N	12.5152E	580	From 2003-05-14
Kwajalein Atoll	KWAJ	Marshall Islands	8.8019N	167.6130E		
Kwanting	KWNG	Beijing,China	40.2400N	115.6050E	0	From 1955-01-01
Kyakhta	KYA	Buryatiya,Russia	50.3667N	106.4500E		
Kyburz Flat	KBF	California,U.S.A.	39.5068N	120.2120W	2079	From 1973-04-01
Kyela	KYLA	Tanzania,United Republic of Tanzania	9.5987S	33.8673E	516	
Kyle	KYL	Scotland,United Kingdom	57.3197N	5.6506W	105	From 1984-01-01 to 1986-04-18
Kymi	KYM1	Greece	38.6338N	24.1057E	218	From 2010-10-01
Kymi, Euboea Island, Greece	KYMI	Greece	38.6331N	24.1001E	258	From 2014-04-01
Kyoto	KYO	Kyoto,Japan	35.0117N	135.7350E	42	
Kyparissia	MES3	Greece	37.2488N	21.6725E	87	From 2011-10-14
Kyparissia	KYP2	Greece	37.2498N	21.6669E	34	From 2011-09-01
Kyrgizsay	KGSKZ	Kazakhstan	43.3280N	79.4920E	1368	From 2004-06-03
Ky Son	KSVV	Vietnam	20.8750N	105.3590E	30	From 2005-03-15
Kythira	KTHR	Crete,Greece	36.2606N	23.0042E	315	From 2007-05-01
Kythira Island - Agia Moni	KTHA	Greece	36.2566N	23.0621E	360	From 2013-06-18
Kyusyur	KYU	Sakha,Russia	70.6800N	127.3700E	20	From 1985-01-01
Kyzart	KZA	Kyrgyzstan	42.0778N	75.2496E	3520	
Kyzyl	KZLR	Krasnoyarskiy Kray,Russia	51.7050N	94.4538E	603	From 2003-12-24
Kyzyl-Adyr	KZAD	Kyrgyzstan	42.6590N	71.6000E	900	
Kyzyldzhar	KYZD	Tajikistan	41.5500N	70.0100E	1428	
Kziot	KZIT	Israel	30.9063N	34.3972E	248	
Kzylasker	KZAKZ	Kazakhstan	43.1360N	76.2240E	1085	From 2004-05-07
La Aguada	AGV	Venezuela	8.5630N	71.0900W	3516	
La Almunia	NE11*	Spain	41.4770N	1.3720W	370	
Labasa	LBSA	Fiji	16.5540S	179.2890E	185	
Labassere	LABF	Midi-Pyrenees,France	43.0475N	0.0737E	750	From 1997-03-01
la Bastide-des-Jourdans	BSTF	Provence-Cote d'Azur,France	43.8800N	5.6450E	500	From 2010-07-08
Labe	LABG	Guinea	11.2328N	12.3322W	1130	From 1991-07-01
La Belle	O40A	Missouri,U.S.A.	40.1212N	91.8740W	206	From 2010-12-09 to 2012-09-12
Labete	LBT	Solomon Islands,Papua New Guinea	8.3167S	157.2670E		
Labinsk	LABN	Krasnodarskiy Kray,Russia	44.6413N	40.7236E	290	From 2008-09-26
La Bonita	BONI	Ecuador	0.4528N	77.5290W	2040	From 2012-08-08
Laboratory Soil Mechanics	LSM1	Greece	40.6281N	22.9600E	-2	From 2012-04-01
Laboratory Soil Mechanics	LSM0	Greece	40.6281N	22.9600E	38	From 2012-04-01
Labuha	LBMI	Bacan,Indonesia	0.6379S	127.5008E	114	From 2005-01-01
Labuhan Bajo, Sumatra	LBFI	Flores,Indonesia	8.4800S	119.8900E	123	From 2008-12-01
Lac	LACI	Albania	41.6363N	19.7094E	55	
Lac	LACR	Severo-Osetinskaya,Russia	42.8270N	44.2970E	1271	From 2004-08-13
La Ca^–ada	LCND	El Salvador	13.3090N	87.8903W	165	From 2011-11-25
La Casta Ranch, Jordon	D21A	Montana,U.S.A.	47.0658N	106.9939W	934	From 2008-08-21 to 2010-07-10
Lac Aux requins	LARD	Djibouti	11.5787N	42.5066E	100	From 1999-01-01
Lacayo	LCY	El Salvador	13.4233N	88.2945W	1001	
Lac Daplat, Pontiac, MRC	E54A	Quebec,Canada	46.4339N	77.1869W	277	From 2012-09-07
Lac Daran	DAQ	Quebec,Canada	47.9644N	71.2425W	939	From 1988-12-15
Lac de Gras North	LDGN	Northwest Territories,Canada	64.6786N	110.5224W	422	
Lac de Gras South	LGSN	Northwest Territories,Canada	64.3337N	110.1307W	440	
Lac de Lave	LDLD	Djibouti	11.5837N	42.4985E	137	From 1987-01-01
Lac des Isle Mine	LDIO	Ontario,Canada	49.1750N	89.5955W	500	
Lac-des-Plages	DHLQ	Quebec,Canada	45.9963N	74.8853W	193	
Lac du Bonnet	ULM	Manitoba,Canada	50.2497N	95.8750W	281	From 1984-09-04
LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	LBCA	Manitoba,Canada	50.2015N	96.0269W	247	From 1999-05-04
La Ceiba	CEIV	Venezuela	9.4098N	71.0359W	4	
La Ceiba	LCBS	El Salvador	13.6550N	88.9783W	710	From 1991-12-01
Lac Etchemin	E61A	Quebec,Canada	46.4312N	70.4890W	527	From 2013-08-06
Lac Fusel, La Vallee-de-La-Gatineau	D54A	Quebec,Canada	47.1520N	76.6570W	415	From 2012-09-02
La Chapelle	CABF	Franche Comte,France	46.6111N	6.0875E	1070	From 1996-04-03
La Chartreuse	BLCH	Belgium	50.6395N	5.5988E	100	From 1991-02-01
La Chataigneraie	LCHF	Poitou-Charentes,France	46.6693N	0.7417W	166	
La Cienega, Culver City	LCGC	California,U.S.A.	34.0003N	118.3779W	108	
La Clusaz	OG04	Rhone-Alpes,France	45.9137N	6.4380E	1330	From 1991-09-11
Lacona	LCNA	New York,U.S.A.	43.6442N	75.9260W	396	
La Concha	LHG	Guatemala	14.4450N	91.1825W	600	From 1979-05-01
Laconia	LANH	New Hampshire,U.S.A.	43.5910N	71.4900W	200	
Lacq	LACL	Aquitaine,France	43.4350N	0.7269W	195	
Lacq-Usine	USIL	Aquitaine,France	43.4169N	0.6378W	95	
La Cruz	CRZC	Costa Rica	10.9533N	85.5967W	325	
La Cruz	CRZ1	Costa Rica	11.0723N	85.6352W	270	
La Cruz	CRUC	Colombia	1.5677N	76.9510W	2761	From 1994-01-01
Lac Salanfe	SALAN	Switzerland	46.1441N	6.9730E	1885	From 2001-07-11
Lac Senin/Sanetsch	SENIN	Switzerland	46.3633N	7.2993E	2035	From 2002-02-06
Lac Sinclair, Quebec	LSQ1	Quebec,Canada	45.7898N	76.1525W	215	From 2007-06-30
La Cuchilla	LACU	Venezuela	7.8767N	71.3906W	800	From 1984-01-01
La Cueva	LCV	New Mexico,U.S.A.	35.8828N	106.6740W	2652	From 1973-09-01 to 1999-08-25
La Culata	CUV	Venezuela	8.7490N	71.0600W	2940	
La Cumbre	CMG	Guatemala	14.6707N	89.7853W	1802	
La Cumbre 2	CMG2	Guatemala	14.6608N	89.7867W	1710	From 1988-01-01
La Cumbre Peak	LPC	California,U.S.A.	34.4965N	119.7130W	1190	From 1969-11-01
Lac Vacive, Pontiac, Mrc	D53A	Quebec,Canada	47.0795N	77.7001W	347	From 2012-09-01
La Danta	LADA	Venezuela	7.9389N	71.6131W	1200	From 1984-01-01
Ladd Mountain	LMW	Washington,U.S.A.	46.6680N	122.2910W	1195	From 1975-06-30
La Desirade	DEG	Guadeloupe,France	16.3132N	61.0598W	575	From 1988-03-01
La D¨sirade Island	GDSD	Guadeloupe,France	16.3128N	61.0660W	270	From 2010-12-10
La Diana	DIAC	Colombia	3.2913N	76.1973W	1520	From 1987-01-01
La Diferencia	DR6	Dominican Republic	19.2328N	70.9915W		
La Diferencia	DR06	Dominican Republic	19.2328N	70.9915W		
Ladik-KONYA	LADK	Turkey	38.2000N	32.3648E	1168	From 2007-06-19
Ladron	LAZ	New Mexico,U.S.A.	34.4020N	107.1390W	1853	
Ladron Mountain	LAD	New Mexico,U.S.A.	34.4583N	107.0370W	1768	From 1976-01-01
La Druitiere	LDF	Basse-Normandie,France	48.5936N	0.1222W	290	From 1982-09-28
Lady	LDJ	Utah,U.S.A.	40.5815N	111.4087W	2217	From 1992-09-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ladybower, Peak District	LBWR	England,United Kingdom	53.4016N	1.7248W	353	From 2011-12-08
Lae	LUNA	Papua New Guinea	6.7337S	147.0098E	96	From 2012-12-01
Lae	LAE	Papua New Guinea	6.6731S	146.9130E	50	From 1966-01-01 to 1970-05-18
Lae	LAT	Papua New Guinea	6.6651S	147.0020E	72	From 1970-05-18
Laela	LAEL	Tanzania,United Republic of Tanzania	8.5662S	32.0592E	1598	
Lae--Mount Lunaman	LML	Papua New Guinea	6.7351S	147.0090E	100	From 1979-01-01
La Fare-les-Oliviers - 13037	FLOF	Provence-Cote d'Azur	43.5426N	5.1215E	65	From 2015-06-22
Lafayette	LA-	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LA-GA	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LAF	Rhode Island,U.S.A.	41.5508N	71.5067W	40	From 1976-03-25 to 1977-06-10
Lafayette	SFIN	Indiana,U.S.A.	40.3790N	87.0967W	165	From 2008-10-09
La Foliniere	FLN	Basse-Normandie,France	48.7625N	0.4819W	240	
La Follette	LF-TN	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Follette	U51A	Tennessee,U.S.A.	36.3786N	84.0165W	472	From 2012-05-30
La Follette	LF-	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Foret Royale	FRF	Provence-Cote d'Azur,France	43.5607N	6.6468E	310	From 1981-07-01
La Frestale	LFF	Aquitaine,France	44.9395N	0.7402E	200	From 1985-07-17
La Fuente	LORF	Costa Rica	10.0432N	83.7268W	2430	
La Fuente	LFU	El Salvador	13.7487N	89.1138W	732	
Lagarterita	LGT	Panama	9.0745N	79.9150W	50	
Lagarto - SE	NBLA	Sergipe,Brazil	10.9925S	37.7890W	192	From 2011-09-03
Lageado - TO	LJDO	Tocantins,Brazil	9.7698S	48.2893W	273	From 2011-06-26
lAGKADAS	LGD1	Greece	40.7490N	23.0650E	85	From 2008-09-30
Lagoa do Fogo	LFA	Azores,Portugal	37.7726N	25.4831W	693	From 1981-01-01
Lago Colima	CLMC	Colombia	3.8814N	76.5630W	1480	From 1988-11-01
Lago de Cote	AR2	Costa Rica	10.5614N	84.8933W	763	
Lagodekhi	LGD	Georgia,Georgia	41.8347N	46.2423E	420	From 1968-01-01
Lago del Careser	CARE	Trentino,Italy	46.4252N	10.6945E	2605	From 2002-08-10
Lago del Serru	LSD	Italy	45.4595N	7.1343E	2285	From 1985-01-01
La Gomera	EGOM	Canary Islands,Spain	28.1594N	17.2096W	0	From 2003-05-19
La Gonave Hosp	WSYH	Haiti	18.8330N	72.8628W	29	
Lagor	LAGL	Aquitaine,France	43.4061N	0.6650W	190	
Lago Ritom (SBB)	RITOM	Switzerland	46.5345N	8.6780E	1822	From 2005-12-15
Lagos	PLAGO	Portugal	37.0958N	8.6879W	21	From 2015-04-14
La Grande	LAQ	Quebec,Canada	53.8073N	77.0200W	183	From 1978-10-15
La Grande	LCQ	Quebec,Canada	53.5411N	76.9731W	293	From 1978-10-13
La Grande	LDQ	Quebec,Canada	53.8061N	77.4281W	198	
La Grande	LTQ	Quebec,Canada	53.7017N	76.0850W	313	From 1980-05-01 to 1982-11-17
La Grande	LGOR	Oregon,U.S.A.	45.2164N	118.0010W	1200	From 1991-07-01
La Grande	LBQ	Quebec,Canada	53.5360N	77.3540W	183	From 1979-07-27
La Grande	LGQ	Quebec,Canada	53.6920N	77.7250W	190	From 1976-08-04 to 1980-05-17
La Grande 3	LRQ	Quebec,Canada	53.7014N	76.0589W	284	From 1984-04-02
La Grande 3	JCQ	Quebec,Canada	53.4672N	75.8242W	320	
La Grande 3	LXQ	Quebec,Canada	53.7223N	76.0222W	195	From 1986-12-16
La Grande 3	JBQ	Quebec,Canada	53.6103N	75.6053W	381	
La Grande 3	JAQ	Quebec,Canada	53.8022N	75.7211W	366	From 1981-03-23 to 1999-08-25
La Grande 4	LG4Q	Quebec,Canada	53.6269N	74.0972W	168	
La Grande 4	KBQ	Quebec,Canada	53.9778N	73.2850W	472	From 1983-01-01 to 1984-03-11
La Grande 4	KAQ	Quebec,Canada	53.9833N	73.5230W	472	From 1983-01-01 to 1984-03-12
La Grande 4	LQQ	Quebec,Canada	53.8458N	73.4883W	311	From 1983-02-23 to 1984-03-11
La Grande 4	KCQ	Quebec,Canada	53.8328N	73.1319W	457	From 1983-01-01 to 1984-03-11
La Grange	LGAR	Arkansas,U.S.A.	34.6520N	90.6560W	100	From 1979-08-07
La Guardia	BB02	Bolivia	17.8982S	63.3242W	528	From 2011-11-14
Lagu-Hvolar	IHVO	Iceland	63.5260N	18.8480W	196	From 1999-10-20
Laguna Cedeˆ–o	CEDE	Costa Rica	10.4868N	84.7035W	686	From 2000-01-01
Laguna Cube	LGCB	Ecuador	0.3821N	79.5753W	160	From 2008-12-03
Laguna Mountains	LGA	Arizona,U.S.A.	32.7597N	114.4930W	68	
Laguna Peak, Port Hueneme	BLG	California,U.S.A.	34.1082N	119.0659W	416	From 1999-06-13
Laguna Tiscapa	TISN	Nicaragua	12.1425N	86.2693W	200	
Laguna Verde	LVVM	Veracruz,Mexico	19.7380N	96.4488W		From 1988-01-01
Laguna Verde	LVIG	Veracruz,Mexico	19.7232N	96.4177W	41	
Laguna Verde	LAV	Valparaiso,Chile	33.0874S	71.7462W	60	
Laguneta	LAGU	Venezuela	9.7700N	69.7650W	800	From 1986-01-01
Lagunillas	LAGV	Venezuela	10.2239N	71.1593W	100	
Lagunillas	LGN	Venezuela	10.1450N	71.2700W	-3	From 1969-08-01
Lagunnoye	LAGR	Sakhalinskaya Oblast',Russia	44.0556N	145.7861E	28	From 2011-09-20
Lahad Datu	MYLDM	Sabah,Malaysia	5.1800N	118.5000E	0	From 2006-03-24
Lahat	LHSI	Sumatera,Indonesia	3.8267S	103.5233E	0	From 2007-12-01
La Hesperia	HSPR	Ecuador	0.3515S	78.8502W	1387	From 2008-11-24
Lahijan	LHJ1	Iran	37.1561N	50.1005E	669	From 2015-07-13
La Honda	LT5	California,U.S.A.	37.3313N	122.2800W	226	From 1966-12-18 to 1970-05-01
Lahore	LAH	Pakistan	31.5500N	74.3333E	210	From 1952-01-01 to 1968-12-31
Laichau	LUV	Vietnam	22.0519N	103.1590E	1100	
Lai Chau	LCVN	Vietnam	22.0387N	103.1543E	1100	
L'Aileron	AIL	Martinique,France	14.8010N	61.1080W	879	From 1971-03-01 to 1999-08-25
Lailor River, Nunavut	LAIN	Northwest Territories,Canada	69.1086N	83.5361W	320	From 2005-08-18
Laimos Florinas	LMS2	Greece	40.8350N	21.1418E	923	From 2012-09-01
La Independencia	AGZ	Colombia	4.9350N	72.4670W	223	
Laja	LAJA	Bio-Bio	37.2809S	72.7112W	84	From 2013-06-20
Lajitas	LTX	Texas,U.S.A.	29.3339N	103.6670W	1013	From 1984-09-12
Lajitas Array Beam Reference Point	TXAR	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Array Site 10	TX10	Texas,U.S.A.	29.3307N	103.7025W	1033	
Lajitas Array Site 11	TX11	Texas,U.S.A.	29.3343N	103.6676W	1021	From 2006-08-02
Lajitas Array Site 2	TX02	Texas,U.S.A.	29.3297N	103.6575W	952	
Lajitas Array Site 3	TX03	Texas,U.S.A.	29.3310N	103.6740W	990	
Lajitas Array Site 32	TX32	Texas,U.S.A.	29.3340N	103.6677W	1013	From 2006-08-02
Lajitas Array Site 4	TX04	Texas,U.S.A.	29.3397N	103.6672W	1013	
Lajitas Array Site 5	TX05	Texas,U.S.A.	29.3202N	103.6523W	957	
Lajitas Array Site 6	TX06	Texas,U.S.A.	29.3187N	103.6815W	1007	
Lajitas Array Site 7	TX07	Texas,U.S.A.	29.3397N	103.6890W	1038	
Lajitas Array Site 8	TX08	Texas,U.S.A.	29.3510N	103.6765W	1015	
Lajitas Array Site 9	TX09	Texas,U.S.A.	29.3433N	103.6598W	1001	
Lajitas Ar. Site	TX31	Texas,U.S.A.	29.3342N	103.6678W	1025	
Lajitas Ar. Site	TX00	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas B3	LTB3	Texas,U.S.A.	29.3397N	103.6672W	1013	
La Jolla	LJC	California,U.S.A.	32.8633N	117.2530W	8	From 1927-05-05 to 1975-11-30
La Jonquera	EJON	Spain	42.4487N	2.8886E	570	
La Joya	LJY	New Mexico,U.S.A.	34.3365N	106.8960W	1532	
La Joya	LAJO	Bolivia	17.7777S	67.4777W	3788	From 1994-05-30 to 1995-05-06
La Joyeuse, Anse Bertrand	ABD	Guadeloupe,France	16.4743N	61.4881W	10	From 2012-09-17
Lakadia	LAKD	Gujarat,India	23.2051N	70.3445E	71	From 2012-01-01
Lake	LKWY	Wyoming,U.S.A.	44.5652N	110.4000W	2424	From 1995-10-19
Lakebay	D04D	Washington,U.S.A.	47.1786N	122.7723W	37	From 2010-08-19
Lakebay	D04E	Washington,U.S.A.	47.1786N	122.7715W	45	From 2012-10-11
Lake Benmore	LBZ	South Island,New Zealand	44.3856S	170.1844E	438	From 2004-06-04
Lake Butler	556A	Florida,U.S.A.	30.0015N	82.4057W	45	From 2012-02-06
Lake Butte	YPLB	Wyoming,U.S.A.	44.5113N	110.2720W	2565	
Lake Butte	YPLA	Wyoming,U.S.A.	44.5127N	110.2687W	2580	
Lake Cedric, Chanute	S36A	Kansas,U.S.A.	37.7240N	95.5923W	299	From 2010-03-16 to 2012-03-02
Lake Chabot	CLCB	California,U.S.A.	37.7379N	122.0649W	309	
Lake Chabot	CLCM	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	LKC	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Charles	LCAR	Arkansas,U.S.A.	36.0695N	91.1543W	103	
Lake Charles	541A	Louisiana,U.S.A.	30.0596N	93.1875W	0	From 2011-02-26 to 2012-12-06
Lake County Forest Preserve, Grayslake	L44A	Illinois,U.S.A.	42.1782N	87.9119W	202	From 2011-10-10
Lake De Bois	LDBN	Northwest Territories,Canada	66.7219N	124.9431W	294	From 2010-07-17
Lake Erie College	LECO	Ohio,U.S.A.	41.7090N	81.2500W	204	
Lake Grace	LKGR	Western Australia,Australia	33.1036S	118.4590E	295	From 2011-01-28
Lake Granby, Granby	O23A	Colorado,U.S.A.	40.2109N	105.9178W	2635	From 2008-07-06 to 2010-06-14
Lakehead University	LHC	Ontario,Canada	48.4167N	89.2667W	196	From 1969-02-28 to 1986-09-24
Lake Helen	758A	Florida,U.S.A.	28.9621N	81.1996W	16	From 2012-02-13
Lake Helena	LHM	Montana,U.S.A.	46.6756N	111.9430W	1117	From 1974-10-09 to 1976-10-04
Lake Herman	NLHM	California,U.S.A.	38.1198N	122.1480W	177	
Lake Hughes	LHU	California,U.S.A.	34.6710N	118.4110W	1036	From 1976-06-01
Lake Jocassee	BG3	South Carolina,U.S.A.	34.9930N	82.9317W	384	
Lake Junction	YPLK	Wyoming,U.S.A.	44.5697N	110.3865W	2390	
Lakeland CC	LCCO	Ohio,U.S.A.	41.6380N	81.3640W	231	
Lakeland CC 2, Kirtland	LCCO2	Ohio,U.S.A.	41.6390N	81.3570W	245	
Lake Magadi	MALJ	Tanzania,United Republic of Tanzania	3.1913S	35.4707E	2360	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lake Margaret	MARG	Tasmania,Australia	41.9995S	145.5516E	700	
Lake Mead	LM-	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mead	LM-NV	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mikany	MIKA	Tasmania,Australia	40.8781S	145.1811E	40	
Lake Minchumina	CHUM	Alaska,U.S.A.	63.8827N	152.3147W	58	
Lake Moeraki	LMZ	South Island,New Zealand	43.7150S	169.2696E	10	From 1990-11-08 to 2004-07-31
Lake Mountain	LMUT	Utah,U.S.A.	40.3151N	111.9320W	1593	
Lake Mountain	LMU	Utah,U.S.A.	40.2831N	111.9370W	2316	From 1974-09-01 to 1980-03-31
Lake Ozonia	LOZ	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Ozonia	LONY	New York,U.S.A.	44.6197N	74.5829W	440	From 2005-10-06
Lake Rotokare	LREZ	North Island,New Zealand	39.4602S	174.4027E	165	From 2010-01-27
Lake Saint Peter	G54A	Ontario,Canada	45.3979N	78.0898W	465	From 2013-07-22
Lakeshore Drive, S. Francisco	J061	California,U.S.A.	37.7306N	122.4974W	22	
Lake Shores	LSU	Utah,U.S.A.	40.1322N	111.7301W	1375	
Lakeside	LSCT	Connecticut,U.S.A.	41.6784N	73.2244W	318	From 1993-08-04 to 2007-02-06
Lake Taylor	LTZ	South Island,New Zealand	42.7816S	172.2710E	648	From 1989-10-12
Lakeview	L05A	Oregon,U.S.A.	42.0472N	120.8336W	1751	From 2006-06-16 to 2007-10-24
Lakeview	LKVW	Oregon,U.S.A.	42.2242N	120.3596W	1512	From 2007-05-01
Lakeview Peak	LVP	Washington,U.S.A.	46.0683N	122.4080W	1170	
Lakeview Retreat	LRAL	Alabama,U.S.A.	33.0348N	86.9978W	130	From 2001-07-02
Lake Wenatchee	LW-	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Wenatchee	LW-WA	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Whitney, Meridian	WHTX	Texas,U.S.A.	31.9913N	97.4561W	190	From 2009-02-11
Lake Wisdom	LKW	Papua New Guinea	5.3350S	147.0650E	150	
Lake Woodford	WOOD	New South Wales,Australia	33.6979S	150.4855E	420	
Lakewood Golf Course	LGC	California,U.S.A.	33.8358N	118.1500W	17	From 1971-07-07 to 1974-03-15
Lakka	LAKA	Greece,Greece	38.2401N	21.9785E	505	From 2008-01-01
La Laguna	LLGN	El Salvador	14.1710N	88.9520W	919	
Lale Fork Canyon	LFC	New Mexico,U.S.A.	35.8769N	106.6650W	2451	
La Libertad	ALIBE	Ecuador	2.2428S	80.8463W	39	From 2010-08-05
La Lomota	DR5	Dominican Republic	19.6349N	70.8596W		
La Lomota	DR05	Dominican Republic	19.6349N	70.8596W	660	
La Lucha	LCR	Costa Rica	9.7384N	84.0016W	1400	From 1978-01-01 to 1982-11-30
La Lucha 2	LCR2	Costa Rica	9.7422N	84.0030W	1730	From 1982-11-01
La Lucha Farm	LLC	Costa Rica	9.6654N	83.9991W	1400	From 1966-02-01 to 1978-01-31
Lama dei Peligni	LPEL	Italy	42.0468N	14.1832E	760	From 2008-04-11
La Malbaie	LMQ	Quebec,Canada	47.5483N	70.3267W	419	From 1976-11-04
La Malbaie	LMBQ	Quebec,Canada	47.4700N	70.1500W	0	From 1979-09-19
Lamap	LMP	Vanuatu	16.4256S	167.8000E	60	
Lamas de Olo	POLO	Portugal	41.3738N	7.7942W	1060	From 2008-10-29
Lambert	C23A	Montana,U.S.A.	47.8026N	105.1844W	729	From 2008-09-09 to 2011-01-13
Lambert Chapel	LCAL	Alabama,U.S.A.	34.5225N	85.6302W	544	From 1983-02-24 to 1985-12-03
Lambom Island	ELB	New Ireland,Papua New Guinea	4.8038S	152.8300E	10	
Lamborn Mesa, Paonia	Q21A	Colorado,U.S.A.	38.8347N	107.5738W	1881	From 2007-12-04 to 2010-02-07
Lambtecht Ranch, Loup City	M31A	Nebraska,U.S.A.	41.3440N	98.9766W	699	From 2009-09-09 to 2011-08-18
Lamerd	LMD1	Iran	27.3398N	53.1646E	425	From 2013-05-20
La Mesa Andrade	LMX	Sonora,Mexico	32.1087N	114.9600W		From 1988-01-01
Lamington	LMG	Papua New Guinea	8.9083S	148.1500E	1200	From 1970-01-01
Lamocks	LMC	Guangdong,China	23.2667N	117.2830E		
La Mourre	LMR	Provence-Cote d'Azur,France	43.3339N	6.5092E	200	
Lampang	LPT	Thailand	18.2167N	99.5500E	0	From 1976-02-01 to 1978-08-31
Lampang	LAMP	Thailand	18.5226N	99.6322E	246	
Lampedusa	LPD	Italy	35.5114N	12.5951E	20	From 1989-05-01
Lampedusa Capo Grecale	LPDG	Sicily,Italy	35.5183N	12.6302E	49	From 2012-09-17
Lampeter	LPW	Wales,United Kingdom	52.1136N	4.0681W	152	
Lamto	LIC	Ivory Coast	6.2244N	5.0278W	105	From 1965-06-01
La Murta	EMUR	Spain	37.8422N	1.2405W	574	
Lancaster	LANC	California,U.S.A.	34.7270N	118.0510W	719	
Land-Between-the-Lakes	LLKY	Kentucky,U.S.A.	36.9220N	88.0970W	177	From 1985-01-01
Landers	LAC	California,U.S.A.	34.3898N	116.4120W	792	From 1968-08-01
Landfair	LDFC	California,U.S.A.	35.0781N	115.1096W	1209	
Landman Farms, Northwood	C31A	North Dakota,U.S.A.	47.7927N	97.7336W	384	From 2010-08-23 to 2012-06-25
Lands Inn, Kimberly	H07A	Oregon,U.S.A.	44.5913N	119.5646W	1204	From 2006-08-15 to 2008-04-18
Landslide	LSW	Washington,U.S.A.	46.4813N	119.2453W	262	From 1970-06-01 to 1971-10-31
Lane BPA Site-SMO	LANE	Oregon,U.S.A.	44.0517N	123.2331W	120	From 2001-01-17
Lanestosa	ELAN	Spain	43.2317N	3.4340W	633	From 2003-03-28
Langara Island	LIB	British Columbia,Canada	54.2558N	133.0580W	35	From 1984-09-12
Lang Chanh	LAVN	Vietnam	20.1532N	105.2475E	50	From 2003-01-01
Langenberg	LANF	Alsace,France	48.9806N	7.8053E	500	
Langenfeld Brothers Farm, Elkhart Lake	I43A	Wisconsin,U.S.A.	43.8844N	88.1460W	299	From 2011-10-11 to 2013-06-03
Langenfeld Grube Bendisberg	LAGB	Germany	50.3608N	7.1007E	282	From 2013-06-06
Langila	LAG	New Britain,Papua New Guinea	5.4556S	148.4330E	24	
Lang Ngam	LNVN	Vietnam	21.0770N	106.1540E	50	
Langsa, Aceh	LASI	Sumatera,Indonesia	4.4572N	97.9704E	13	
Lang Son station	LSVB	Vietnam	21.8527N	106.7492E	285	From 2006-01-01
Lankaran	LNK	Azerbaijan	38.7500N	48.8600E	-18	From 1949-01-01 to 1984-01-01
Lannavaara	LANU	Sweden	68.0493N	21.9880E	500	From 2004-08-07
Lanshu	TWI	Taiwan region	22.0683N	120.5050E	20	From 1974-09-12
Lanslevillard	LNS	Rhone-Alpes,France	45.2889N	6.9147E	1480	
Lant Hill Farm, Argyle	J60A	New York,U.S.A.	43.2438N	73.4212W	265	From 2013-09-17
Lanuvio	LAV9	Italy	41.6778N	12.6989E	300	From 2000-06-07
Lan-yu	LAY	Taiwan region	22.0387N	121.5510E	324	
Lan-yu	LYUB	Taiwan region	22.0017N	121.5840E	40	
Lanzarote	CLAN	Canary Islands,Spain	29.1031N	13.4761W	356	
Lanzhou	LCC	Gansu,China	36.0833N	103.6670E	1600	
Lanzhou	LAN	Gansu,China	36.0500N	103.8330E	1518	
Lanzhou	LZH	Gansu,China	36.0867N	103.8440E	1560	
La Palma	LPS	El Salvador	14.2922N	89.1619W	1000	
La Parita Creek, Jourdanton	734A	Texas,U.S.A.	28.8473N	98.5576W	121	From 2009-12-02 to 2011-10-11
La Paz	LPX	Baja California,Mexico	24.1293N	110.4310W	7	From 2006-12-09
La Paz	LPIG	Baja California,Mexico	24.1020N	110.3080W	46	
La Paz	LZ-BV	Bolivia	16.2586S	68.4797W	3993	
La Paz	LPB	Bolivia	16.5327S	68.0984W	3292	From 1962-02-01
La Paz	LZ-	Bolivia	16.2586S	68.4797W	3993	
La Paz	LPAZ	Bolivia	16.2879S	68.1307W	4774	
La Paz	LAP	Baja California,Mexico	24.1600N	110.2800W	65	
La Paz, Banderani	BBOB	Bolivia	16.1410S	68.1325W	3960	From 1975-01-01
La Paz, Chanca	BBOE	Bolivia	16.8127S	67.9832W	4325	From 1982-01-01
La Paz, Gloria	BBOD	Bolivia	16.6374S	68.5981W	4230	From 1986-01-01
La Paz, Jacaque	BBOJ	Bolivia	16.9751S	68.1915W	4125	From 2008-04-12
La Pedrera	LAPE	Venezuela	7.5580N	71.5756W	327	From 1984-01-01
La Peregrina	LPR	Puerto Rico	18.3086N	65.8697W	580	From 1976-08-10 to 1999-08-25
La Plagne	LPG	Rhone-Alpes,France	45.4977N	6.7514E	2570	From 1985-06-01
La Plagne	LPL	Rhone-Alpes,France	45.5164N	6.7324E	2070	From 1986-07-01
La Plaine	DLPL	Dominica	15.3325N	61.2468W	300	From 2007-12-04
La Plaine Cafres	PCR	Reunion,France	21.1957S	55.5778E	2270	
La Plantade	PLDF	Auvergne,France	45.9698N	3.6212E	940	From 1983-06-01
La Plata	LPA	Buenos Aires,Argentina	34.9089S	57.9319W	14	From 1907-01-01
La Pocatiere	POC	Quebec,Canada	47.3644N	70.0408W	61	From 1972-01-21 to 1980-10-17
La Pocatiere	LPQ	Quebec,Canada	47.3408N	70.0093W	126	From 1980-06-06 to 2006-03-28
La Pryor	LP-TX	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
La Pryor	LP-	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
Lapseki	LPK	Turkey	40.3727N	26.7602E	200	
Lapu-Lapu	LLP	Cebu,Philippines	10.3170N	123.9660E	135	
La Quiaca	LQA	Jujuy,Argentina	22.1033S	65.6033W	3464	
L'Aquila	AQU	Italy	42.3539N	13.4019E	729	From 1952-01-01
L'Aquila	T0103	Italy	42.3618N	13.4245E	849	From 2009-04-06 to 2009-06-12
La Quinta	LAQC	California,U.S.A.	33.6280N	116.2800W	49	
LAR	LAR1	Iran	27.6694N	54.3746E	785	From 2014-01-22
La Rabassa	ARBS	Andorra	42.4467N	1.5490E	2145	From 2009-10-20
Laramie	LAR	Wyoming,U.S.A.	41.3144N	105.5830W	2400	From 1954-01-01 to 1977-12-31
Laramie	M23A	Wyoming,U.S.A.	41.4680N	105.7221W	2166	From 2008-07-15 to 2010-05-13
Larch Mountain	VLMM	Oregon,U.S.A.	45.5385N	122.0390W	1158	
Laredo	933A	Texas,U.S.A.	27.6133N	99.2746W	214	From 2010-01-07 to 2011-11-16
Lares	LRS	Puerto Rico	18.2914N	66.8446W	455	From 1977-02-15
La Restinga, El Hierro	CRST	Canary Islands,Spain	27.6424N	17.9828W	30	From 2011-07-01
Larissa	LAR4	Thessaly,Greece	39.6422N	22.4219E	84	From 2011-05-01
Larissa	LAR5	Thessaly,Greece	39.6404N	22.4105E	93	From 2011-05-01
Larissa Observatory	LRSO	Greece	39.6713N	22.3917E	78	From 2011-07-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
La Roca	LARO	Costa Rica	9.7052N	84.0235W	2107	
La Roca	LARC	Costa Rica	9.7085N	84.0123W	2040	
La Roche-sur-Yon	LRYF	Poitou-Charentes,France	46.5787N	1.5472W	67	
La Romaine 2 Dam	LRQ1	Quebec,Canada	50.6656N	63.2310W	253	From 2014-05-28
La Romaine 2 Dam Dyke F2,	LRQ2	Quebec,Canada	50.6485N	63.2786W	161	From 2014-05-29
Laroque-de-Fa	LRDF	Languedoc-Rousillon,France	42.9378N	2.5387E	400	From 2003-04-01
Larrau	LARF	Aquitaine,France	43.0380N	0.9875W	670	From 1997-10-30
Larroussi	LRO	Morocco	31.8370N	9.1500W	135	
Larsen Ranch, Manila	N18A	Utah,U.S.A.	40.9763N	109.6731W	1893	From 2007-07-24 to 2009-04-23
Larsen Ranch, Promontory	M15A	Utah,U.S.A.	41.4632N	112.4477W	1348	From 2007-02-12 to 2009-04-08
La Rua	ERUA	Spain	42.3927N	7.1425W	431	From 1987-05-01
La Rumorosa	RMX	Baja California,Mexico	32.6025N	116.0786W	1420	
La Rusia	RUSC	Colombia	5.8925N	73.0832W	3697	From 1994-01-01
Lasa Array	LASA	Montana,U.S.A.	46.6885N	106.2231W	902	
Lasa Array	LA0	Montana,U.S.A.	46.6885N	106.2231W	902	
LASA Array	LAO	Montana,U.S.A.	46.6885N	106.2231W	902	From 1966-01-01
LASA B Ring	LB1	Montana,U.S.A.	46.7522N	106.0920W	754	From 1966-01-01 to 1999-08-25
LASA B Ring	LB3	Montana,U.S.A.	46.6592N	106.3170W	723	From 1966-01-01 to 1999-08-25
LASA B Ring	LB4	Montana,U.S.A.	46.7681N	106.2430W	717	From 1966-01-01 to 1999-08-25
LASA B Ring	LB2	Montana,U.S.A.	46.6350N	106.1630W	694	From 1966-01-01 to 1999-08-25
LASA C Ring	LC1	Montana,U.S.A.	46.8394N	106.1270W	719	From 1966-01-01 to 1999-08-25
LASA C Ring	LC2	Montana,U.S.A.	46.6694N	106.0130W	779	From 1966-01-01 to 1978-06-30
LASA C Ring	LC4	Montana,U.S.A.	46.7353N	106.3740W	764	From 1966-01-01 to 1978-06-30
LASA C Ring	LC3	Montana,U.S.A.	46.5742N	106.2500W	682	From 1966-01-01 to 1978-06-30
LASA D Ring	LD3	Montana,U.S.A.	46.5497N	106.4800W	800	From 1966-01-01 to 1999-08-25
LASA D Ring	LD4	Montana,U.S.A.	46.9419N	106.3830W	713	From 1966-01-01 to 1978-06-30
LASA D Ring	LD1	Montana,U.S.A.	46.8397N	105.8890W	759	From 1966-01-01 to 1978-06-30
LASA D Ring	LD2	Montana,U.S.A.	46.5031N	106.0110W	661	From 1966-01-01 to 1978-06-30
LASA E Ring	LE4	Montana,U.S.A.	46.7608N	106.9170W	803	From 1966-01-01 to 1974-01-01
LASA E Ring	LE3	Montana,U.S.A.	46.1494N	106.3340W	761	From 1966-01-01 to 1974-01-01
LASA E Ring	LE2	Montana,U.S.A.	46.5128N	105.3650W	610	From 1966-01-01 to 1974-01-01
LASA E Ring	LE1	Montana,U.S.A.	47.1628N	106.0560W	686	From 1966-01-01 to 1974-01-01
LASA F Ring	LF4	Montana,U.S.A.	47.4111N	106.9440W	707	From 1966-01-01 to 1974-01-01
LASA F Ring	LF3	Montana,U.S.A.	45.9728N	107.0820W	837	From 1966-01-01 to 1974-01-01
LASA F Ring	LF2	Montana,U.S.A.	45.9094N	105.4860W	754	From 1966-01-01 to 1974-01-01
LASA F Ring	LF1	Montana,U.S.A.	47.3708N	105.1880W	740	From 1966-01-01 to 1974-01-01
La Salvetat-Peyrales	SLVF	Midi-Pyrenees	44.1912N	2.1642E	139	From 2015-07-13
Las Animas	S27A	Colorado,U.S.A.	37.6837N	102.8982W	1439	From 2008-12-15 to 2010-11-08
Las Aradas	LHAH	Honduras	14.0500N	87.4083W	1650	
Las Brisas	LBRS	El Salvador	13.7383N	89.0433W	770	From 1991-12-01
Las Campanas	LCO	Coquimbo,Chile	29.0111S	70.7010W	2299	
Las Canadas	CCAN	Canary Islands,Spain	28.2217N	16.6050W	2210	
Las Cruces	LC-	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	LC-NM	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	LCCH	Santiago,Chile	33.4753S	71.5697W	180	From 1987-11-17
La Serena	CO05	Coquimbo	29.9186S	71.2384W	101	From 2015-04-02
La Serena	LSCH	Coquimbo,Chile	29.9080S	71.2450W	52	
Las Esperanzas	ESPN	Nicaragua	12.1950N	84.3002W	45	
Las Flores	FLS	Guatemala	13.8943N	90.0658W	180	
Las Flores	AIES	El Salvador	13.4564N	89.0514W	39	
Las Granadillas	GRDS	El Salvador	13.7583N	89.2917W	1500	From 1991-12-01
Lasithi	LAST	Crete,Greece	35.1611N	25.4786E	870	
Lasjerd	ILAS	Iran	35.3822N	52.9589E	2195	From 1999-05-01
Las Lajas	LJX	Veracruz,Mexico	19.5383N	97.1492W	3050	From 1983-04-01
Las Lilas	GBS2	Costa Rica	10.8370N	85.4527W	392	From 2000-01-01
Las Melosas	LMEL	Santiago,Chile	33.8476S	70.2034W	1540	
Las Mercedes	LMGC	Cuba	20.0640N	77.0050W		
Las Mercedes	EDLM	Costa Rica	9.2790N	83.5890W	629	
Las Mercedes	MERV	Venezuela	9.2510N	66.2970W	156	From 2001-11-16
Las Mesas	LSP2	Puerto Rico	18.1458N	66.9811W		
Las Mesas	LSP	Puerto Rico	18.1757N	67.0858W	389	From 1975-11-14
Las Morras, Villanueva del Duque, Cordoba	E031	Spain	38.3393N	4.9967W	691	From 2007-09-23 to 2009-06-16
Las Nubes	NBG	Guatemala	14.5875N	90.3467W	2200	
Las Nubes	NUBE	El Salvador	13.9022N	89.7799W	1311	From 2014-06-02
Las Nubes	LNB	Nicaragua	12.0328N	86.2532W	640	From 1983-01-01
Las Ollas	OLLA	Venezuela	10.0189N	66.8039W	947	From 1984-01-01
La Souterraine	LSF	Limousin,France	46.2500N	1.5294E	430	
Las Pavas	PAVA	El Salvador	13.7132N	88.9372W	1029	From 2012-02-14
LAS PENAS INFRASONIC ARRAY REFERENCE POINT	LPAZ	Bolivia	16.2152S	68.4535W	4096	From 2000-01-03
Las Pilas	BRAN	Nicaragua	12.7200N	86.3500W	83	
Lassiter	DY2	Tennessee,U.S.A.	36.3302N	89.3520W	110	From 1969-01-01 to 1970-12-31
Las Tabladas, Isla de El Hierro	CTAD	Canary Islands,Spain	27.7494N	18.0850W	147	From 2011-07-18
Last Change Range	LCH	California,U.S.A.	37.2330N	117.6450W	1414	
Last Nowhere	ST40	Xizang Zizhiqu,China	33.8146N	88.3070E	4964	From 1998-07-12 to 1999-06-04
Lastovo	LSTV	Croatia	42.7686N	16.8919E	130	From 2014-04-02
Las Vegas	LVW	Nevada,U.S.A.	36.1700N	115.1880W	654	
Las Vegas	LVN	Nevada,U.S.A.	36.1092N	115.1400W	610	From 1960-01-01 to 1970-12-31
Latacunga	ALAT	Ecuador	0.9264S	78.6183W	2777	From 2011-10-21
Laterza	LATE	Italy	42.6137N	11.8040E	610	From 2006-05-04
Laterza	LTRZ	Italy	40.6033N	16.8191E	381	
Latheron	MLA1	Scotland,United Kingdom	58.3055N	3.3627W	188	From 1981-01-01
Lathrop	P37A	Missouri,U.S.A.	39.5882N	94.3491W	300	From 2010-11-27 to 2012-09-25
La Thuile	THUI	Italy	45.6825N	6.9320E	2323	From 2012-06-28
Latina	LATB	Italy	41.4939N	12.9624E	-187	From 2012-11-21
La Tirana	TIRA	Chile	20.3299S	69.5717W	1020	From 2009-12-05
La Tortuga	TORT	Venezuela	10.9084N	65.3139W	40	From 1984-01-01 to 1999-08-25
Latouche	LTI	Alaska,U.S.A.	60.0405N	147.8540W	302	From 1988-07-01
La Tour-de-Pellz	NOV4	Switzerland	46.4475N	6.8598E	380	From 2010-02-09
Latrobe	ALAM	California,U.S.A.	38.5667N	120.9560W	293	
La Tuque	LATQ	Quebec,Canada	47.3836N	72.7819W	163	From 2007-09-14
Latur	LATR	Maharashtra,India	18.4163N	76.5595E		
Lauchernalp	LAUCH	Raron,Switzerland	46.4155N	7.7717E	2160	From 2010-11-17
Laukkuluspa	RATU	Sweden	67.8234N	19.5913E	480	
La Union	UON	Guerrero,Mexico	17.9700N	101.8150W		
Laupahoehoe	LPH	Hawaii,U.S.A.	19.9972N	155.4042W	6	
Laupendahl	LAUG	Nordrhein-Westfalen,Germany	51.3510N	6.9440E	140	From 2004-08-01
Lau Rambong	LARI	Sumatera,Indonesia	2.8856N	98.1572E	820	
Laurance Lake	VLL	Oregon,U.S.A.	45.4633N	121.6790W	1195	From 1980-10-01
La Urbina	LAU	Venezuela	7.9110N	71.7080W	1810	
Laurel	LL-	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel	LL-MS	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel Creek	LRCG	California,U.S.A.	37.5857N	118.9090W	2780	From 1984-07-01
Laurel Creek Canyon	MLCM	California,U.S.A.	37.6121N	118.9153W	2471	
Laurel Hill	JLAB	California,U.S.A.	37.1543N	121.7347W	318	
Laurel Hill	JLAM	California,U.S.A.	37.1543N	121.7340W	308	
Laurel Mtn Radio Fac, Ridgecrest	LRMC	California,U.S.A.	35.4795N	117.6821W	1340	From 1992-07-29
Lausanne EPFL	SEPFL	Switzerland	46.5212N	6.5657E	369	From 2011-10-01
L'Aution	AUTN	Provence-Cote d'Azur,France	43.9955N	7.4275E	2065	
Laux Farm, Auxvasse	Q40A	Missouri,U.S.A.	38.9946N	92.0748W	275	From 2010-12-06 to 2012-09-13
Lava2-Rev Volc	LAV2	Ecuador	0.0848S	77.6438W	2680	From 2002-03-08 to 2003-09-01
Lava3-Reventador	LAV3	Ecuador	0.0967S	77.6323W	2210	From 2004-11-09 to 2008-08-12
Lava4-Reventador	LAV4	Ecuador	0.0925S	77.6292W	2218	From 2008-08-13
Lava Cap Winery, Placerville	LAVA	California,U.S.A.	38.7552N	120.7395W	828	From 2004-12-09 to 2007-12-08
Lava Point	LVA	Alaska,U.S.A.	54.1609N	166.0338W	457	
Lavic	LAVC	California,U.S.A.	34.7658N	116.2865W	902	
La Victoria	LVG	Guatemala	14.9662N	91.0950W	2020	From 1978-06-01 to 1999-08-25
La Victoria	E58A	Quebec,Canada	46.3721N	73.2771W	233	From 2013-07-30
La Villa de Los Santos	LVS	Panama	7.9270N	80.4166W	37	From 2001-08-14
La Villita	LVGX	Guerrero,Mexico	18.0450N	102.1750W		
Lavrentia	LAVR	The Chukotsky Autonomous Okrug,Russia	65.5850N	171.0120W	18	From 2005-12-15
Lawrence	LAK	Kansas,U.S.A.	39.0463N	95.2045W	326	From 1977-08-14 to 2001-07-15
Lawrence	LAW	Kansas,U.S.A.	38.9594N	95.2500W	260	From 1909-01-01 to 2001-07-15
Lawson Adit, UC Berkeley, California	ADIT	California,U.S.A.	37.8700N	122.2600W	75	From 2014-06-15
Lawton	X33A	Oklahoma,U.S.A.	34.5410N	98.5006W	346	From 2009-10-24 to 2011-09-04
Lawton Elementary School	LAWT	Washington,U.S.A.	47.6565N	122.3894W	111	
Laxson Ranch, Crystal City	732A	Texas,U.S.A.	28.7292N	99.9707W	178	From 2009-02-16 to 2011-01-20
La Yayitas	DR11	Dominican Republic	18.4719N	70.2346W	780	
Layou Valley	DLVT	Dominica	15.4365N	61.3946W	274	
Lazarev	LZR	Khabarovskiy Kray,Russia	52.1700N	141.5000E	20	From 1979-12-01 to 1994-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lazarevskoye	LZRR	Krasnodarskiy Kray	43.9350N	39.3798E	180	From 2011-07-31
Lazaro Cardenas	LAZM	Michoacan,Mexico	18.0360N	102.2050W		
Lazići	BBLS	Serbia	43.8660N	19.4050E	882	From 1996-01-24
Lazy	LACW	Czech Republic	50.0508N	12.6250E	838	From 1994-01-01
Lazy 6 Ranch, Villanueva	W24A	New Mexico,U.S.A.	35.2106N	105.4075W	1902	From 2008-05-03 to 2010-04-05
Lazy EL Ranch, Roscoe	G18A	Montana,U.S.A.	45.3171N	109.5631W	1699	From 2007-10-28 to 2009-09-15
Lazy Trails Angus Ranch, Wood Lake	K29A	Nebraska,U.S.A.	42.7612N	100.3182W	840	From 2009-06-01 to 2011-04-08
Lazy VL Ranch, Encino	X24A	New Mexico,U.S.A.	34.5646N	105.4349W	1917	From 2008-04-26 to 2010-03-13
LCR	LCRM	Morocco	33.6860N	4.8580W	1461	
Le@15oga@12ne	LGNH	Haiti	18.5110N	72.6058W	62	
Leachville	LVAR	Arkansas,U.S.A.	35.9146N	90.2221W	71	
Lead	LEA	South Dakota,U.S.A.	44.3333N	103.8170W		
Lead Mine Pass	HKLM	Hong Kong,China	22.4121N	114.1588E	300	From 1997-04-23
Lead Mountain	LED	California,U.S.A.	34.4677N	115.9360W	853	From 1974-04-01
Leadore	H14A	Idaho,U.S.A.	44.6165N	113.3674W	1933	From 2007-08-16 to 2009-06-05
Leadville	LDV	Nevada,U.S.A.	41.0975N	119.3910W	1798	From 1974-03-01 to 1976-05-31
Leamington	P15A	Utah,U.S.A.	39.5708N	112.2786W	1576	From 2007-05-23 to 2009-04-11
Leaning Rock	LRCZ	South Island,New Zealand	45.0637S	169.3463E	1533	From 1987-01-31 to 1996-04-27
Leavenworth	C06D	Washington,U.S.A.	47.9229N	120.8943W	544	
Lebam	E03A	Washington,U.S.A.	46.5459N	123.5632W	72	From 2005-10-26 to 2009-01-08
Lebanon	H04D	Oregon,U.S.A.	44.5234N	122.7377W	284	From 2010-08-12
Lebanon	LB-	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	LB-NH	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	S40A	Missouri,U.S.A.	37.5988N	92.5014W	336	From 2010-12-11 to 2012-09-13
Lebel-sur-Quevillon	LSQQ	Quebec,Canada	49.0580N	76.9796W	308	From 2009-09-13
Lebyazhka	LBGK	Orenburgskaya Oblast',Russia	52.0254N	53.5853E	148	From 2013-07-27
Le Caire	OG25	Provence-Cote d'Azur,France	44.3698N	6.0735E	1060	
Lecce	LCI	Italy	40.3346N	18.1120E	46	
Ledoux Ranch, Antler	A27A	North Dakota,U.S.A.	48.9533N	101.2407W	466	From 2009-08-08 to 2011-07-21
Leeds	LEE	Utah,U.S.A.	37.2430N	113.3767W	1097	From 1963-04-01 to 1999-08-25
Leeds	LDS	Utah,U.S.A.	37.2425N	113.3514W	1101	
Leeds University	LDU	England,United Kingdom	53.8025N	1.5553W	230	From 1983-01-01
Lee Faris, Mount Ayr	N37A	Iowa,U.S.A.	40.7582N	94.2095W	351	From 2010-10-27 to 2012-09-11
Leesville	635A	Texas,U.S.A.	29.3877N	97.7736W	119	From 2009-12-17 to 2011-10-08
Lee's Yard	MLYT	Montserrat	16.7213N	62.1910W	355	
Lee Vining	R07C	California,U.S.A.	38.0890N	119.0469W	1996	From 2005-08-03 to 2007-10-02
Lefka	LEF	Cyprus	35.1193N	32.8903E	130	From 1998-01-14
Lefkada island	LKD2	Greece	38.7889N	20.6578E	485	From 2008-06-02
Lefkada island	EVGI	Greece	38.6210N	20.6560E	249	From 2012-07-04
Lefkas	LEF2	Greece	38.8302N	20.7081E	5	From 2011-05-01
Lefkose	LFK	Cyprus	35.2792N	33.5325E	690	From 1987-01-01
Legarje	LEGS	Slovenia	45.9488N	15.3177E	390	
Legaspi	LEG	Luzon,Philippines	13.1333N	123.7333E	19	
Legaspi	LGP	Luzon,Philippines	13.1562N	123.7340E	19	From 1975-10-01
Leghorn	LIV	Italy	43.5333N	10.3000E		
Legoe Bay, Lummi Island	A04A	Washington,U.S.A.	48.7197N	122.7070W	23	From 2004-09-19 to 2008-02-19
Legon	LEGH	Ghana	5.6483N	0.1814W	91	
Legon	LGG	Ghana	5.6483N	0.1967W	137	From 1976-11-01 to 1986-12-31
Lehigh University	LUPA	Pennsylvania,U.S.A.	40.5987N	75.3718W	255	From 2006-01-08
Lehliu	LEHL	Romania	44.4739N	26.8194E	90	From 2012-10-31
Leibel Peak	WLPM	California,U.S.A.	35.5077N	118.4090W	2265	
Leigh Creek	LCRK	South Australia,Australia	30.4472S	138.2162E	184	From 2013-07-17
Leinawald	ABG1	Thuringen,Germany	50.9653N	12.5721E	203	From 2012-10-25
Leipzig	LEI	Sachsen,Germany	51.3350N	12.3917E	113	
Leirgulen	N2B6	Norway	61.8640N	5.3060E	20	
Leirhofn	ILEI	Iceland	66.4070N	16.4900W	41	From 1993-10-24
Lekhapani	LKP	Assam,India	27.3330N	95.8461E	139	
Le Mans	LMF	Pays de la Loire,France	48.0000N	0.2000E	77	
Le Marinel	LMA	Democratic Republic of the Congo	10.3000S	25.4000E		
Le Mars	K34A	Iowa,U.S.A.	42.6865N	96.0957W	436	From 2010-07-27 to 2012-04-26
Lembang	LEM	Jawa,Indonesia	6.8266S	107.6175E	1293	From 1954-01-01
Lemhi Junction	LJI	Idaho,U.S.A.	43.8208N	112.8440W	1600	From 1990-05-15
Lemitar	LENM	New Mexico,U.S.A.	34.1655N	106.9740W	1698	
Lemmon	F27A	South Dakota,U.S.A.	45.8727N	102.0203W	757	From 2009-07-19 to 2011-05-06
Lemond, Waseca	I37A	Minnesota,U.S.A.	44.0148N	93.4003W	371	From 2010-10-09 to 2012-09-10
Lemonthyme	LMT	Tasmania,Australia	41.6100S	146.1520E	349	From 1969-09-25 to 1971-08-06
Le Moule	GLMO	Guadeloupe,France	16.3324N	61.3513W	5	From 2005-02-01
LENE	LENE	Germany	53.0910N	11.4780E	20	
Leninakan	LEN	Armenia	40.7667N	43.8500E	1522	
Leninskoye	LNSK	Kazakhstan	50.7300N	57.9000E	355	From 1974-07-01
Lenkeran, Azerbaijan	LKRN	Azerbaijan	38.7100N	48.7790E	65	From 2003-03-29
Lennox	LTN	Tennessee,U.S.A.	36.0630N	89.4950W		From 1977-08-01 to 1992-12-31
Lenox	LNXT	Tennessee,U.S.A.	36.1014N	89.4913W	144	
Lenox	LNX	Massachusetts,U.S.A.	42.3389N	73.2724W	345	
Lentini	HLNI	Sicily,Italy	37.3480N	14.8720E	95	From 1994-05-01
Lenzkirch (DE)	BERGE	Baden-Wurttemberg,Germany	47.8718N	8.1783E	925	From 2012-09-03
Leoben	LTA	Austria	47.4033N	15.0761E	840	
Leola	F30A	South Dakota,U.S.A.	45.8356N	99.0250W	601	From 2009-09-08 to 2011-07-28
Leola	LAL	Alabama,U.S.A.	34.4367N	87.3372W	320	From 1989-03-28
Leon	LEON	Nicaragua	12.4160N	86.8925W	160	
Leon	LNM	Jalisco,Mexico	21.1167N	101.6675W	1800	
Leonard	LNO3	Oklahoma,U.S.A.	35.9125N	95.7892W	257	From 1992-01-01
Leonard	TUL1	Oklahoma,U.S.A.	35.9104N	95.7919W	253	From 2008-10-16
Leonard	LNO	Oklahoma,U.S.A.	35.9125N	95.7892W	-487	From 1988-12-07
Leonard	LNO2	Oklahoma,U.S.A.	35.9125N	95.7892W	-171	From 1992-01-01
Leonardtown, MD	R60A	Maryland,U.S.A.	38.2684N	76.5807W	33	From 2013-04-18
Leona Valley	LEOC	California,U.S.A.	34.6313N	118.3040W	1073	
Leon Cerro Gordo	LCG	Guanajuato,Mexico	21.1450N	101.7250W	2200	From 1968-03-01
Leoncito	RTLS	San Juan,Argentina	31.7989S	69.2969W	2560	
Leoncito	LEO	San Juan,Argentina	31.7997S	69.3353W	2400	
Leonessa	LNSS	Italy	42.6029N	13.0403E	1155	From 2004-05-10
Leonidio	LEO1	Greece	37.1688N	22.8637E	54	From 2011-09-01
Leota Junior High School	LEOT	Washington,U.S.A.	47.7679N	122.1151W	155	
Leova	LEOM	Moldova	46.4733N	28.2467E	52	From 1982-01-01
Lepanto	LPAR	Missouri,U.S.A.	35.6019N	90.3002W	66	
Le Parnasse	PAG	Guadeloupe,France	16.0297N	61.6800W	670	From 1950-01-01
Lepaterique	LTH	Honduras	14.0708N	87.3458W		From 1990-01-01
Le Pertre	LPF	Bretagne,France	48.0315N	1.0408W	156	
Le Peyrat	LPEF	Midi-Pyrenees,France	42.9485N	1.9077E	440	From 1998-10-20
Lephalale	LEP	Transvaal,South Africa	23.6497S	27.7468E	840	
Le Pouchou	LPO	Midi-Pyrenees,France	44.6831N	1.1869E	330	
Lerchenberg	LBG	Baden-Wurttemberg,Germany	48.6639N	8.7954E	594	From 1995-01-01
Leresti	LRR	Romania	45.4403N	25.0750E	700	From 1989-01-01
Lerida	LER	New South Wales,Australia	34.9344S	149.3640E	700	From 1970-01-01 to 1995-01-01
Lerik	LRK	Azerbaijan	38.6430N	48.3400E	1592	From 2009-11-25
Lermontov	LMTZ	Armenia	40.7570N	44.6440E	1810	
Lernakert	LERZ	Armenia	40.5670N	43.9500E	1990	
Lernantsk	LRNS	Armenia	40.7800N	44.2667E	1905	
Lernapar	LYES	Armenia	40.7467N	44.1633E	2170	
Lernavan	LERS	Armenia	40.7783N	44.1517E	1820	
Le Roux Dam	PKR	Orange Free State,South Africa	30.0033S	24.7417E	1267	
Leroy	Q53A	West Virginia,U.S.A.	38.8586N	81.5251W	310	From 2013-02-27
Lerwick	LRWS	Shetland Islands,United Kingdom	60.1397N	1.1831W	80	
Lerwick	LRW	Shetland Islands,United Kingdom	60.1360N	1.1779W	83	From 1978-01-01
Les Avellanes	CAVN	Spain	41.8827N	0.7518E	626	
les Blancs	BLAF	Provence-Cote d'Azur,France	43.9510N	6.0450E	590	From 2011-11-16
Les Buteaux	LBF	Bourgogne,France	46.9844N	3.9772E	715	
l'Escarene	ESCA	Provence-Cote d'Azur,France	43.8310N	7.3740E	550	From 2004-09-23
Lescure	LESF	Midi-Pyrenees,France	43.0311N	1.2839E	460	
Les Eyzies	NE09	Aquitaine,France	44.8520N	0.9810E	160	From 1982-11-01 to 1986-02-28
Les Forges d'Abel	FDAF	France	42.8188N	0.5672W	1230	From 1998-05-20
Leshukonskoye	LSH	Arkangel'skaya Oblast',Russia	64.8786N	45.7338E	60	From 2006-10-18
Lesken	LSNR	Severo-Osetinskaya,Russia	43.2780N	43.8260E	675	From 2004-06-23
Leskovik	LSK	Albania	40.1500N	20.6000E	922	From 1985-01-01
Lesnoe	LSN4	Sakhalinskaya Oblast',Russia	46.9580N	143.0311E	30	From 2002-01-01
Lesozavodsk	LES	Sakhalinskaya Oblast',Russia	44.7667N	147.1830E		
Lesparou	LSPF	Midi-Pyrenees,France	42.9481N	1.9042E	450	
Les Platons	JLP	Channel Islands,United Kingdom	49.2428N	2.1039W	131	From 1981-01-01
Les Rejaudoux	RJF	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Les Rejaudoux	NE18	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01 to 2001-07-28
Les Sairains Dessus	SAIRA	Switzerland	47.3027N	7.0865E	963	From 2011-11-24
Les Verrieres	BRANT	Switzerland	46.9380N	6.4730E	1145	From 2002-10-10
L^tav^rtes, Hungary	LTVH	Hungary	47.3849N	21.9006E	121	From 2012-05-30
Letterbox	LBXM	New South Wales,Australia	34.2721S	150.8736E	400	
Letur, Albacete	E034	Spain	38.2298N	2.1918W	1292	From 2008-06-03 to 2009-09-14
Leukerbad	LKBD	Switzerland	46.3870N	7.6271E	1550	From 1994-12-21
Leukerbad 2	LKBD2	Switzerland	46.3745N	7.6443E	2128	From 2001-07-05
Levan	LEVU	Utah,U.S.A.	39.5065N	111.8147W	1996	From 1992-01-01
Levan Peak	LVU	Utah,U.S.A.	39.4917N	111.8270W	2530	From 1978-01-01
Levkas	LKD	Greece	38.7072N	20.6506E	1140	
Levy	LVY	Alaska,U.S.A.	64.2167N	149.2530W	230	From 1972-07-01
Lewis and Clark Caverns	LCCM	Montana,U.S.A.	45.8377N	111.8780W	1669	From 1983-03-01
Lewisberry	O58A	Pennsylvania,U.S.A.	40.1231N	76.9228W	321	From 2013-06-15
Lewisburg	S55A	West Virginia,U.S.A.	37.7724N	80.5013W	647	From 2013-01-29
Lewisburg	LE-TN	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewisburg	LE-	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewis, Hebrides	LEWI	Scotland,United Kingdom	58.1446N	6.8696W	279	From 2014-01-30
Lewis Ranch	BLRM	California,U.S.A.	36.6660N	121.2730W	232	From 1973-02-15
Lewistown	LT-PA	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LT-	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LN-MA	Montana,U.S.A.	47.2119N	109.1489W	1448	
Lexington	LEX	Virginia,U.S.A.	37.7894N	79.4417W	311	From 1971-05-01 to 1977-12-31
Lexington	LEK	Kentucky,U.S.A.	38.0361N	84.5050W	299	From 1974-10-01 to 1976-05-31
Lexington Res.	JLXM	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
Lexington Reservoir	LXR	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
L&G Farms, Chester	B17A	Montana,U.S.A.	48.2921N	110.7988W	894	From 2007-11-15 to 2009-09-05
Lhasa	LHA	Xizang Zizhiqu,China	29.6367N	91.0367E	3789	
Lhasa	LSA	Xizang Zizhiqu,China	29.7000N	91.1500E	3789	
Lhatse, Xizang Zizhiqu	LAZE	Xizang Zizhiqu,China	29.1403N	87.5922E	4011	From 2002-07-21 to 2002-10-27
Lhers	LHE	Aquitaine,France	42.9130N	0.6213W	1070	
Lhok Sumawe	LHMI	Sumatera,Indonesia	5.2288N	96.9472E	3	From 2008-02-29
Liard River	LR9	British Columbia,Canada	59.4483N	126.1750W	610	
Libby	B12A	Montana,U.S.A.	48.4694N	115.5889W	764	From 2006-09-23 to 2009-08-07
Libby Dam	LDM	Montana,U.S.A.	48.4539N	115.3170W	838	From 1970-02-22 to 2004-03-11
Liberia	LIBE	Costa Rica	10.6168N	85.4519W	194	
Liberty	LI-NV	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty	LI-	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty	LTY	Washington,U.S.A.	47.2578N	120.6703W	970	
Liberty Center	M49A	Ohio,U.S.A.	41.4745N	83.9752W	203	From 2012-07-17
Liberty Hill	LHS	South Carolina,U.S.A.	34.4762N	80.8062W	120	From 1974-05-20
Licata	CLTA	Sicily,Italy	37.1578N	13.9620E	182	From 2012-05-25
Liceo Cantonale, Bellinzona	EBELL	Switzerland	46.1966N	9.0139E	225	From 2010-11-24
Lichensteins Rd	LIRZ	North Island,New Zealand	38.0032S	176.3844E	340	From 1992-06-16
Lichinga	LICH	Mozambique	13.2689S	35.2348E	1400	
Lichinga	LICM	Mozambique	13.2830S	35.2260E	1400	From 2006-06-01
Lidau	ELDTW	Taiwan region	23.1890N	121.0170E	1040	
Liddieville	LV-	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddieville	LV-LA	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddow	LID	Mecklenburg-Vorpommern,Germany	54.5481N	13.3664E	1	
Lien	ILIN	Iran	34.9186N	46.9624E	2195	From 2004-01-01
Lienchiang	MSUT	Taiwan region	26.1690N	119.9230E	97	From 2014-12-22
LIFOU	LIFNC	Loyalty Islands,New Caledonia	20.7771S	167.2402E	35	From 2010-04-01
Lightning Creek	LGTM	Victoria,Australia	36.7632S	147.4636E	1105	
Lightning Ridge Central School	AULRC	New South Wales,Australia	29.4300S	147.9800E	145	From 2013-05-24
Lignon Hill	VLH	Luzon,Philippines	13.1600N	123.7260E	67	From 1993-01-01
Ligonier	O55A	Pennsylvania,U.S.A.	40.2076N	79.3041W	469	From 2012-12-15
Lihir Island	LHIS	New Ireland,Papua New Guinea	3.1170S	152.6330E	10	From 1987-06-22
Liikasenvaara	KU4	Finland	66.3645N	29.5794E	290	From 2004-11-04
Lijar	LIJA	Spain	36.9061N	5.4038W	951	From 1987-11-01
Likavka	LIKS	Slovakia	49.0500N	19.1060E	341	From 2003-12-01
Likely Place Golf, Likely	M06C	California,U.S.A.	41.2047N	120.4772W	1434	From 2005-06-28 to 2007-10-21
Lilburn	Y52A	Georgia,U.S.A.	33.8640N	84.0626W	286	From 2012-04-08
Lilico Spur	LSCZ	South Island,New Zealand	45.1147S	169.3693E	759	From 1986-12-09 to 1996-05-01
Lille	LIL	Nord-Pas-de-Calais,France	50.6158N	3.0708E	13	
Lillehammer	LHN	Norway	61.0492N	10.8800E	555	From 1965-04-01 to 1999-08-25
Lille Linde	LLD	Denmark	55.3331N	12.2150E	8	
Lillevand	N1R4	Norway	66.4490N	13.8780E	55	
Lillevik	N1R2	Norway	66.2820N	13.2330E	61	
Lillooet	LLL	British Columbia,Canada	50.6950N	121.9170W		From 1959-01-01 to 1960-02-01
Lillooet	LLLB	British Columbia,Canada	50.6090N	121.8815W	700	
Lilltraesk	LILU	Sweden	65.2856N	19.8480E	100	From 2000-09-01
Lilongwe	LILM	Malawi	14.1840S	33.7750E	1106	
Lilydale High School, Lilydale	AULHS	Tasmania,Australia	41.2500S	147.2200E	173	From 2013-10-01
Lima	LIM	Peru	11.9750S	77.0347W	127	
Lima	H15A	Montana,U.S.A.	44.6173N	112.6439W	1957	From 2007-08-16 to 2009-06-07
Lima (Magdalena)	LM2	Peru	12.0850S	77.0583W	0	
Lima (NY)	LILH	New York,U.S.A.	42.9213N	77.6172W	233	
Limay	LIY	Nicaragua	13.1983N	86.5602W	460	From 1975-01-01
Limburg	LIBD	Baden-Wurttemberg,Germany	48.1505N	7.6030E	210	From 1985-01-01
Lime	LIME	Oregon,U.S.A.	44.4331N	117.2480W	1500	From 1990-04-01
Limekiln Ridge	LRM	Montana,U.S.A.	45.8222N	112.4510W	2326	From 1981-10-10
Limerick	LIMH	Ireland,Ireland	52.6333N	8.6833W		From 1913-01-01 to 1943-01-01
Limnos	LOS	Greece	39.9342N	25.0814E	460	From 1996-09-28
Limnos Island	LIA	Greece	39.8981N	25.1831E	60	From 1997-01-01
Limon	LICR	Costa Rica	9.9692N	83.0883W	105	
Limon	LIO	Costa Rica	10.0050N	83.0350W	62	
Limon	LNCR	Costa Rica	9.9658N	83.0693W	40	
Limonal	LIM1	Costa Rica	10.6982N	85.2520W	600	From 1993-01-01
Limon Verde	LVC	Antofagasta,Chile	22.6100S	68.9100W	2960	
Linares	LNCH	Maule,Chile	35.8475S	71.6013W	170	From 2005-01-13
Linares	LNIG	Nuevo Leon,Mexico	24.8982N	99.4657W	295	From 2006-01-16
Lincoln	LCN	Nebraska,U.S.A.	40.8117N	96.7019W	352	
Lincoln	D15A	Montana,U.S.A.	47.0418N	112.5204W	1593	From 2006-10-05 to 2009-07-15
Lincoln	LIN	Nebraska,U.S.A.	40.8383N	96.6533W	366	
Lincoln	Q04C	California,U.S.A.	38.8390N	121.3769W	14	From 2004-12-10 to 2007-10-12
Lincoln	ALNM	California,U.S.A.	38.9297N	121.2880W	54	From 1976-12-02
Lincoln	N34A	Nebraska,U.S.A.	40.8378N	96.5005W	401	From 2010-05-14 to 2012-04-22
Lincoln Peak	MLIM	California,U.S.A.	37.6368N	119.0179W	3075	
Lincoln School	LOC	California,U.S.A.	38.1525N	122.7130W	120	From 1970-08-14
Lincton Mountain	LNOR	Oregon,U.S.A.	45.8711N	118.2850W	768	From 1986-08-01
Linda	LDMO	Missouri,U.S.A.	36.4110N	89.5630W	86	From 1980-07-19
Linda, St. Vincent	A31A	Minnesota,U.S.A.	48.9320N	97.1888W	244	From 2010-08-25 to 2012-06-23
Lindos, Rhodes Isl.	RLN1	Greece	36.0891N	28.0869E	19	From 2012-08-01
Lindquist Farm, Mitchell	H06A	Oregon,U.S.A.	44.7344N	120.3346W	516	From 2006-08-16 to 2008-05-08
Lindsay	LINO	Ontario,Canada	44.3541N	78.7802W	268	
Lindsay	D23A	Montana,U.S.A.	47.1730N	105.2071W	895	From 2008-09-19 to 2010-07-13
Linfen	LNF	Shanxi,China	36.0840N	111.3700E	555	
Lingo Farm, Meno	U33A	Oklahoma,U.S.A.	36.4327N	98.1135W	393	From 2009-10-25 to 2011-08-31
Linhares ES	RIB01	Espirito Santo,Brazil	19.3142S	40.3944W	216	From 2011-01-30
Linhart Farms, Moccasin	D18A	Montana,U.S.A.	47.1961N	109.8023W	1202	From 2007-10-15 to 2009-09-10
Linkoeping	LNKU	Sweden	58.2232N	15.5047E	130	From 2002-03-25
Linosa	SLNS	Italy	35.8716N	12.8633E	19	From 2009-01-16
Linthal, Matt	SLTM2	Switzerland	46.9236N	9.0009E	649	From 2011-05-01
Linth-Limmern	LLS	Switzerland	46.8468N	9.0083E	1860	From 1988-10-12
Lion Creek, Paradox Valley	PV14	Colorado,U.S.A.	38.3729N	109.0229W	2234	
Lioni	LIO3	Italy	40.8969N	15.1804E	737	
Lions Peak	HLPM	California,U.S.A.	37.0413N	121.6319W	102	
Lioujiau	CHN7	Taiwan region	23.4840N	120.2350E	6	
Lipari	LPI	Italy	38.4892N	14.9328E	225	From 1987-12-11
Lipari	LLI	Sicily,Italy	38.4450N	14.9481E	225	
Lipinka	LIPC	Czech Republic	49.8438N	17.0492E	429	From 2012-10-11
Lipkovo	LIP	FYR Macedonia	42.1625N	21.5833E	483	From 1969-01-01
Lip M Gallina IE	ILMG	Sicily,Italy	38.4603N	14.9467E	170	From 1988-01-01
Lip Q Pani IE	ILIQ	Sicily,Italy	38.5100N	14.9158E	350	From 1988-01-01
Liptovska Anna	LANS	Slovakia	49.1505N	19.4678E	710	From 2010-02-25
LIRI	LIRI	Bolivia	19.8507S	68.8462W	4110	From 1994-11-21 to 1995-07-23
Lisbon	LS-NH	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisbon	LIS	Portugal	38.7165N	9.1491W	77	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lisbon	N53A	Ohio,U.S.A.	40.8065N	80.8377W	360	From 2012-12-11
Lisbon	LBNH	New Hampshire,U.S.A.	44.2401N	71.9259W	367	From 1993-08-14
Lisbon--Monsanto	PMST	Portugal	38.7368N	9.1833W	175	
Lisbon (USA)	LS-	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Listowel	I51A	Ontario,Canada	43.8036N	81.0231W	376	From 2012-11-29
Listvyanka	LSTR	Irkutskaya Oblast',Russia	51.8681N	104.8319E	450	
Lita	LITE	Ecuador	0.8078N	78.3644W	1200	From 2007-01-01
Lita	LITE1	Ecuador	0.7945N	78.3611W	1206	From 2006-01-18
Litchfield	LITR	California,U.S.A.	40.4308N	120.3208W	1646	
Lithakia	LTHK	Greece	37.7095N	20.8367E	34	From 2015-01-22
Lithgow	LTGO	New South Wales,Australia	33.4860S	150.1660E	960	From 2012-07-27
Litokhoron	LIT	Greece	40.1008N	22.4900E	480	From 1981-01-01
Little America	LAA	King Edward VII Land	78.2000S	162.2500W		
Little AP, Star	245A	Mississippi,U.S.A.	32.0322N	89.8958W	104	From 2011-03-20 to 2013-01-20
Little Aspen Butte	LAB	Oregon,U.S.A.	42.2675N	122.0640W	1774	From 1993-10-07
Little Butte	LBM	Montana,U.S.A.	46.5149N	111.8540W	1524	From 1974-10-09 to 1976-10-04
Little Cholame Creek	LCCB	California,U.S.A.	35.9801N	120.5142W	385	
Little Chuckwalla Mountains	LTC	California,U.S.A.	33.4890N	115.0700W	458	
Little Creek Mountain	LCMT	Utah,U.S.A.	37.0118N	113.2439W	1411	
Little Green Mountain	LGM	Idaho,U.S.A.	46.7330N	116.0930W	1455	From 1971-10-01 to 1974-07-25
Little Hoodo Mountain	LHD	Montana,U.S.A.	48.2578N	115.5580W	1134	
Little Horse	WLHM	California,U.S.A.	36.1524N	118.3131W	2645	
Little Hot Creek	MLHM	California,U.S.A.	37.6785N	118.8150W	2101	
Little Humpy Peak	LHUT	Utah,U.S.A.	40.8914N	110.9964W	3084	From 2008-07-08
Little Huntoon Valley	LHV	Nevada,U.S.A.	38.2512N	118.5040W		
Little Lost River	LLRI	Idaho,U.S.A.	43.7230N	112.9330W	1471	From 1990-06-06
Little Maria Mountains	LTM	California,U.S.A.	33.9150N	114.9180W	744	From 1974-04-01
Little Mountain	LTU	Utah,U.S.A.	41.5917N	112.2470W	1585	From 1974-09-01
Little Mountain	LMTN	Tennessee,U.S.A.	35.8868N	83.4098W	610	From 1984-03-16 to 1991-09-08
Little Mount Hoffman	LMHM	California,U.S.A.	41.5790N	121.6570W	2228	From 1979-07-12
Little Rabbit V.	BRVM	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Rabbit Valley	LRV	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Raleigh	RNC	North Carolina,U.S.A.	35.6318N	78.9803W		
Little Rock	LRA	Arkansas,U.S.A.	34.7783N	92.3517W	150	From 1931-02-02 to 1967-07-27
Littlerock Reservoir	LRRC	California,U.S.A.	34.5260N	118.0280W		From 1976-05-01
Little Sitkin Island	LSI	Alaska,U.S.A.	51.9197N	178.5340E		From 1970-10-20 to 1972-06-30
Little Sitkin NW	LSNW	Alaska,U.S.A.	51.9705N	178.5169E	290	
Little Sitkin PP	LSPA	Alaska,U.S.A.	51.9569N	178.5734E	335	
Little Sitkin S'e	LSSA	Alaska,U.S.A.	51.9496N	178.5132E	549	
Little Sitkin SE	LSSE	Alaska,U.S.A.	51.9332N	178.5690E	335	
Little Skull Mountain	LSN	Nevada,U.S.A.	36.7536N	116.2590W	1070	
Little Skull Mountain	LSM	Nevada,U.S.A.	36.7389N	116.2716W	1162	From 1971-07-20 to 2002-10-10
Little Table Mountain	LTMT	Montana,U.S.A.	44.5258N	112.1100W	2603	From 1989-09-14
Little Thumb Creek	YLT	Wyoming,U.S.A.	44.4370N	110.5880W	2439	
Littleton	U59A	North Carolina,U.S.A.	36.3526N	77.7925W	99	From 2013-03-21
Liugui	SLGT	Taiwan region	22.9934N	120.6463E	255	From 2011-12-27
Liuqiu	WLCH	Taiwan region	22.3508N	120.3788E	14	From 2011-12-30
Livadi, Kephalonia	KEF4	Greece	38.2580N	20.4244E	41	From 2014-01-29
Liverpool	LVR	England,United Kingdom	53.4167N	2.9333W	60	
Livingston	LTL	U.S.A.	30.5374N	90.7660W	21	
Livingston	147A	Alabama,U.S.A.	32.6738N	88.2708W	57	From 2011-04-10
Livramento-PB	NBLI	Paraiba,Brazil	7.3645S	36.9497W	624	From 2011-07-18
Livramento - PB, Brazil	NBLV	Paraiba	7.3584S	36.9203W	607	From 2015-06-09
Liwa	LWLI	Sumatera,Indonesia	5.0175S	104.0589E	938	From 2005-01-01
Lixouri, Cephalonia isl., Greece	LXR1	Greece	38.2007N	20.4382E	0	From 2014-01-29
Lixouri, Kephalonia	LXRA	Greece	38.2001N	20.4372E	0	From 2014-02-04
Liyang	LYP	Luzon,Philippines	14.6334N	120.4851E	100	
Liyutan	TWQ1	Taiwan region	24.3480N	120.7730E	260	
Ljotipollur	LJO	Iceland	64.0235N	19.0230W		
Ljubljana	LJU	Slovenia	46.0438N	14.5274E	396	
Llanada	LLA	California,U.S.A.	36.6167N	120.9430W	475	From 1961-01-01
Llanberis	YLL	Wales,United Kingdom	53.1402N	4.1704W	162	From 1984-01-01
Llano	LLAC	California,U.S.A.	34.8455N	117.4855W	1018	
Llanos de Challe	AC04	Atacama,Chile	28.2046S	71.0739W	249	From 2014-02-08
Llanuwychllyn	LLW	Wales,United Kingdom	52.8492N	3.6650W	213	
Llaves	U22A	New Mexico,U.S.A.	36.3773N	106.8546W	2119	From 2008-05-22 to 2010-04-03
Llico	LLIC	Bio-Bio,Chile	37.2293S	73.5942W	70	
Llivia	CLLI	Spain	42.4792N	1.9741E	1411	
Lloa	LLOA	Ecuador	0.2328S	78.5608W	3265	
Llolleo	LLCH	Santiago,Chile	33.6105S	71.6182W	30	
Llyn Conwy	WLC	Wales,United Kingdom	52.9956N	3.7788W	440	From 1985-01-01
Llynfaes	WLF1	Wales,United Kingdom	53.2894N	4.3966W	58	From 1985-01-01
LNY01	LNY01	Saudi Arabia	25.2200N	37.9600E	828	
LNY02	LNY02	Saudi Arabia	25.1378N	37.8610E	1142	
LNY03	LNY03	Saudi Arabia	25.3799N	37.8543E	631	
LNY04	LNY04	Saudi Arabia	25.2716N	37.6450E	508	
LNY05	LNY05	Saudi Arabia	25.0460N	37.6953E	620	
LNY06	LNY06	Saudi Arabia	25.2098N	37.7781E	1044	
LNY07	LNY07	Saudi Arabia	25.1296N	37.5699E	406	
LNY08	LNY08	Saudi Arabia	25.0330N	37.8500E	1205	
LNY09	LNY09	Saudi Arabia	25.4012N	37.6614E	650	
LNY10	LNY10	Saudi Arabia	25.2700N	37.8620E	907	
LNY11	LNY11	Saudi Arabia	25.3170N	37.7728E	1015	
LNY12	LNY12	Saudi Arabia	25.2715N	37.7717E	994	
LNY13	LNY13	Saudi Arabia	25.1724N	37.6332E	524	
LNY14	LNY14	Saudi Arabia	25.2536N	37.7661E	1007	
LNY15	LNY15	Saudi Arabia	25.2600N	37.7960E	1002	
LNY16	LNY16	Saudi Arabia	25.3510N	37.5980E	489	
LNY17	LNY17	Saudi Arabia	25.2422N	37.8028E	1000	
LNYS	LNYS	Saudi Arabia	25.0815N	37.9439E	1029	
Lobatse	LBTB	Botswana	25.0145S	25.5970E	1028	From 1993-01-01
Lobethal	LBTL	South Australia,Australia	34.9052S	138.8599E	425	From 2012-02-01
Lobios	ELOB	Spain	41.8674N	8.0611W	980	
Localitˆ Poggio-Vacaldola (Sant'Agata Feltria RN)	PR02	Italy	43.8586N	12.1569E	520	From 2011-05-25
Localitˆ San Martino (Sarsina - FC)	T0502	Italy	43.9006N	12.1371E	467	From 2011-05-25
Loc. Casaglia - Ferrara (FE)	T0821	Italy	44.9035N	11.5405E	2	From 2012-05-20 to 2012-12-17
Loc. Cortile, Carpi (MO)	T0814	Italy	44.7933N	10.9692E	15	From 2012-05-20 to 2012-09-19
Loc. Fossa, Concordia sulla Secchia (MO)	T0818	Italy	44.9348N	11.0304E	4	From 2012-05-20 to 2012-09-19
Loc. Fossoli, Carpi (MO)	T0828	Italy	44.8308N	10.9143E	12	From 2012-05-30 to 2012-09-19
Loch Awe, Argyll & Bute	LAWE	Scotland,United Kingdom	56.2601N	5.3990W	137	From 2012-10-27
Loch Inver, Assynt	LINV	Scotland,United Kingdom	58.1470N	5.1970W	57	From 2014-09-04
Lock 6	LGKY	Kentucky,U.S.A.	37.9260N	84.8200W	128	From 1983-11-01 to 1988-04-13
Lock 6	L6KY	Kentucky,U.S.A.	37.9260N	84.8200W		
Locke Island	LOCW	Washington,U.S.A.	46.7170N	119.4308W	210	From 1982-11-01
Lockesburg	Y39A	Arkansas,U.S.A.	33.9380N	94.0936W	108	From 2010-04-29 to 2012-01-28
Lockeyer	E48A	Ontario,Canada	46.4809N	82.1653W	347	From 2012-11-02
Lockhart	LOKY	Kentucky,U.S.A.	37.2370N	88.2950W	230	From 1992-12-01
Lockwood Valley	LOK	California,U.S.A.	34.7245N	119.0910W	1570	
Loc. Limidi di Soliera, Soliera (MO)	T0824	Italy	44.7594N	10.9276E	71	From 2012-05-26 to 2012-09-19
Loc. Pratieghi (Badia Tedalda - AR)	T0503	Italy	43.7399N	12.1008E	865	From 2011-05-25
Loc. Stoppiaro, Poggio Rusco (MN)	T0812	Italy	44.9547N	11.1810E	7	From 2012-05-20 to 2012-09-19
Loc. Veratica, Salara (RO)	T0817	Italy	44.9916N	11.4559E	-1	From 2012-05-20 to 2012-09-18
Lodge	LDG	Alabama,U.S.A.	33.2905N	87.5350W	95	
Lodge Grass	G21A	Montana,U.S.A.	45.2250N	107.2070W	1227	From 2008-07-24 to 2010-08-11
Lodgepole	LGPLA	Alberta,Canada	53.1144N	115.3560W	883	From 2013-10-25
Lodgepole	F26A	South Dakota,U.S.A.	45.8512N	102.6697W	852	From 2009-07-12 to 2011-06-23
Lodi Road	LDR	Delhi,India	28.5833N	77.2167E		
Lodumlu	LOD	Turkey	39.8890N	32.7640E	902	
Lodwar	LODK	Kenya	3.4219N	35.3616E	663	From 2011-09-26
Loecknitz	LNIZ	Mecklenburg-Vorpommern	53.4935N	14.2096E	14	From 2014-10-01
Loei	LOEI	Thailand	17.5093N	101.2644E	305	
Loei	LOE	Thailand	17.4063N	101.7300E	259	From 1984-08-01
Loerrach-Stetten	LOES	Baden-Wurttemberg,Germany	47.6047N	7.6663E	307	From 2004-06-16
Lofoten	LOF	Norway	68.1310N	13.5420E	80	From 1987-01-01
Logan	LOG	Utah,U.S.A.	41.7417N	111.8130W	1455	
Logan Glacier	LOGN	Alaska,U.S.A.	60.8245N	141.0028W	1665	
Loganville	J41A	Wisconsin,U.S.A.	43.3655N	90.0137W	360	From 2011-06-16 to 2013-06-06
Log Cabin	LCA	Alabama,U.S.A.	33.3067N	87.4683W	132	From 1971-01-09
Log Cabin Wilderness Lodge, Tok	L26K	Alaska,U.S.A.	63.0254N	143.3478W	650	From 2014-07-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Logie Almond	ELO	Scotland,United Kingdom	56.4706N	3.7119W	495	From 1969-01-01
Loginova	LGNR	Kamchatskaya Oblast',Russia	56.0828N	160.6897E	2500	
Logrono	LGR	Spain	42.4578N	2.5032W	446	From 1963-01-01 to 1989-11-30
Logumkloster	NE03	Denmark	55.0450N	9.1530E	25	From 1983-02-01 to 2001-07-28
Lohaghat	LGTI	India	29.4500N	80.2463E	0	
Lohaghat	LGAT	Nepal	29.4500N	81.8333E		
Loja	ALOJ	Spain	37.1090N	4.1050W	1340	
Lokbatan	LKB	Azerbaijan	40.3050N	49.7150E	30	From 1980-01-01
Lokris	LKR	Greece	38.6506N	22.9994E	180	From 1997-01-01
Loma Alta	LALZ	El Salvador	13.5393N	88.5422W	474	
Loma Carmona	SACA	Dominican Republic	18.9775N	69.6803W		From 1986-07-12
Loma Colora	SDD01	Dominican Republic	19.1235N	69.9732W	165	
Loma de el Viento	LEV	Venezuela	7.7661N	63.0607W	337	
Loma El Cafe	SDD07	Dominican Republic	18.7828N	70.2223W	620	
Loma El Joboban	MAVI	Dominican Republic	19.2457N	69.9117W		From 1986-09-07
Loma El Mogote	SDD04	Dominican Republic	19.4835N	70.4855W	905	
Loma en Medio	LOMO	Dominican Republic	18.8767N	68.8613W	0	
Loma La Ceniza	SDD03	Dominican Republic	19.3370N	70.0685W	410	
Loma La Naviza	DR08	Dominican Republic	18.9623N	70.0217W	640	
Loma La Naviza	DR8	Dominican Republic	18.9624N	70.0217W		
Loma Manaclilla	SDD05	Dominican Republic	19.1017N	70.4478W	425	
Loma Pena Alta	DR12	Dominican Republic	18.7878N	69.3807W	640	
Loma Prieta	JLPM	California,U.S.A.	37.1110N	121.8430W	1152	
Loma Quita	QUES	Dominican Republic	19.3530N	70.1480W	0	
LOMAS DE OLMEDO	ALOL	Salta,Argentina	23.8148S	63.9822W	500	From 1996-10-25
Loma Siseviere	SDD02	Dominican Republic	19.6035N	69.9483W	440	
Loma Yayales	SDD08	Dominican Republic	18.9885N	69.6922W	325	
Lome	LOM	Togo	6.1217N	1.2133E	5	
Lometa	334A	Texas,U.S.A.	31.3325N	98.2379W	389	From 2009-11-14 to 2011-10-03
Lo Mia Camp, Pine	X16A	Arizona,U.S.A.	34.4178N	111.4411W	1759	From 2007-03-30 to 2010-05-28
Lomita	LOMS	California,U.S.A.	33.7952N	118.2790W	-173	From 1989-12-20
Lom-Kozlod	KOZAM	Bulgaria	43.8274N	23.2364E	76	From 2012-11-20
Lomont	LOMF	Franche Comte,France	47.3508N	6.8275E	1000	
Lompoc	BLP	California,U.S.A.	34.5603N	120.4000W	134	From 1969-11-01
London (Ont)	LND	Ontario,Canada	43.0410N	81.1830W	246	From 1961-12-07 to 1967-05-31
London (Ont)	LDN	Ontario,Canada	43.0400N	81.1833W	246	From 1975-06-01
Lone Oak Road	PLOM	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Oak Road	LRC	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Pine	LN9	California,U.S.A.	36.5944N	118.1850W	500	
Lone Star	LST	Missouri,U.S.A.	36.5230N	89.7310W	83	
Lone Tree Farm, Eben Junction	E43A	Michigan,U.S.A.	46.3758N	86.9954W	303	From 2011-09-11 to 2013-11-26
Lone Tree Road	HLTM	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Lone Tree Road	LTR	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Long Farm, Magnolia	Z40A	Arkansas,U.S.A.	33.2584N	93.3995W	78	From 2011-02-05 to 2012-11-10
Long Ground	MLGT	Montserrat	16.7250N	62.1623W	287	
Long Hollow	LOHW	Wyoming,U.S.A.	43.6124N	110.6040W	2121	From 1986-01-01
Longido	MAUS	Tanzania,United Republic of Tanzania	2.7400S	36.7000E	1334	
Longmire	LON	Washington,U.S.A.	46.7500N	121.8100W	854	From 1958-03-12
Longmont	O24A	Colorado,U.S.A.	40.1227N	105.0729W	1553	From 2008-07-03 to 2010-05-17
Long Mynd	HLM1	Wales,United Kingdom	52.5184N	2.8807W	429	From 1984-01-01
Longovilo	LNV	Valparaiso,Chile	33.9558S	71.4108W	160	From 1972-01-01
Long Quarter, Great Bend	R32A	Kansas,U.S.A.	38.4225N	98.7111W	573	From 2009-10-28 to 2011-08-25
Longridge	LLO	England,United Kingdom	53.8503N	2.5598W	247	From 1989-01-01 to 1991-10-14
Longtian	LONT	Taiwan region	22.9064N	121.1299E	210	From 2014-07-28
Long Valley	LVNJ	New Jersey,U.S.A.	40.8095N	74.7650W	201	From 1977-06-08
Long Valley	LG-AZ	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Long Valley	LG-	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Longview Farm, Lees Summit	Q37A	Missouri,U.S.A.	38.8763N	94.4522W	297	From 2010-03-24 to 2012-09-14
Lonorore	LNR	Vanuatu	15.8519S	168.1600E	8	
Lookout	M05C	California,U.S.A.	41.3593N	121.1457W	1333	From 2005-06-29 to 2007-10-10
Lookout Mountain	LKGA	Georgia,U.S.A.	34.6233N	85.4722W	655	From 1985-12-05
Lookout Mountain	LMCR	California,U.S.A.	37.7280N	118.9469W	2501	From 1979-11-01
Lookout Mountain Observatory	LMO	California,U.S.A.	34.1086N	118.3880W	392	From 1971-02-12 to 1973-06-30
Lookout Mountain Observatory	LMS	California,U.S.A.	34.0692N	118.4400W	131	
Lookout Peak	LOP	Nevada,U.S.A.	36.8544N	116.1677W	1714	From 1979-01-23 to 2002-10-10
Look Rock	LRKT	Tennessee,U.S.A.	35.6340N	83.9240W	780	From 1983-10-25
Lopu atari	LOPT	Romania	45.4740N	26.5691E	780	
Lorado	LRDO	Arkansas,U.S.A.	35.9692N	90.6953W	137	From 1988-12-01
Lorca	EXLO	Spain	37.6760N	1.7000W	407	
Lorca, Murcia	TLOR	Spain	37.6559N	1.6889W	370	From 2011-08-01
Lorch/Rhein	WBD	Hessen,Germany	50.0847N	7.8570E	229	From 2001-11-30
Lord Howe Island	LHI	New South Wales,Australia	31.5200S	159.0631E	73	From 2007-07-08
Loretta	F39A	Wisconsin,U.S.A.	45.9153N	90.9190W	440	From 2011-09-08 to 2013-07-11
Lorgues	LRG	Provence-Cote d'Azur,France	43.4547N	6.3603E	110	
Loris	Y59A	South Carolina,U.S.A.	33.9897N	78.8737W	2	From 2013-06-26
Lormes	LOR	Bourgogne,France	47.2683N	3.8589E	520	
Lorqui	EXLR	Spain	38.0820N	1.2530W	115	
Los Alamitos	LNAS	California,U.S.A.	33.7892N	118.0550W	-50	From 1972-05-01
Los Alamos	LOA	New Mexico,U.S.A.	35.8247N	106.2940W	2144	From 1972-01-12 to 1999-08-25
Los Alamos Infrasonic Array Beam Ref. Pt.	LSIAR	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 1	LSI01	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 2	LSI02	Colorado,U.S.A.	36.8619N	105.2269W		
Los Alamos Infrasonic Array Site 3	LSI03	New Mexico,U.S.A.	36.9657N	105.3340W		
Los Alamos Infrasonic Array Site 4	LSI04	New Mexico,U.S.A.	36.8619N	107.4411W		
Los Angeles Museum of Natural History	LCM	California,U.S.A.	34.0178N	118.2870W		From 1971-08-01
Los Arroyos	DAIG	Guerrero	17.0213N	99.6507W	241	From 2015-04-20
Los Banos	LBPH	Luzon,Philippines	14.1540N	121.1800E	300	
Los Chiles	ACLS	Costa Rica	11.0312N	84.7176W	41	
Los Chiles	LCH0	Costa Rica	11.0750N	84.6963W	89	
Los Chungos	CHNG	Coquimbo,Chile	31.8828S	71.4998W	27	From 2005-03-12
Los c‾‡rdobas, Cordoba	LCBC	Colombia	8.8570N	76.3680W	75	From 2013-11-17
Los Guajares, Granada	ELGU	Spain	36.8678N	3.6266W	847	From 2011-10-26
Los Guarumos	LGUZ	El Salvador	13.6447N	88.5613W	220	
Los Lagos	LOLA	Costa Rica	10.4900N	84.7137W	550	
Los Molles	MOCH	Valparaiso,Chile	32.2319S	71.5069W	15	
Los Montesinos	ETRV	Spain	38.0203N	0.7627W	39	
Los Morros	CEN1	Antofagasta,Chile	23.3897S	70.2000W	1090	From 2005-09-16
Los Muermos	LL05	Los Lagos	41.4053S	73.4744W	208	From 2015-02-04
Los Niches	NICH	Maule,Chile	35.0026S	71.2296W	220	From 2004-06-03
Los Osos Digital	LSDC	California,U.S.A.	35.2973N	120.8430W	244	
Losov	LOSC	Czech Republic	49.6217N	17.3717E	383	From 2014-11-27
L'Ospedale	OSPF	Corse,France	41.6632N	9.1915E	965	From 2003-01-01
Los Peladeros	CO04	Coquimbo	32.0433S	70.9747W	2408	From 2014-02-07
Los Pinos Mountain	LPM	New Mexico,U.S.A.	34.3117N	106.6320W	1737	From 1976-01-01
Los Pintados	PINT	Chile	20.7613S	69.3973W	1146	From 2009-12-05
Los Queltehues	LQT	Santiago,Chile	33.8147S	70.2119W	1400	From 1976-06-26
Los Roques	LORO	Venezuela	11.9520N	66.6768W	69	From 1984-01-01
Lossen Ranch, Watonga	V33A	Oklahoma,U.S.A.	35.8209N	98.2862W	420	From 2009-10-31 to 2011-09-01
Losser	NE31	Netherlands	52.2641N	7.0066E	35	
Los Tablones	LTG	Guatemala	14.9625N	90.1553W	928	From 1978-06-01 to 1999-08-25
Lost Marbles Ranch, Westfall	I09A	Oregon,U.S.A.	43.9733N	117.7407W	950	From 2006-07-27 to 2008-07-11
Lostock Dam	LOSM	New South Wales,Australia	32.3304S	151.4556E	109	
Los Trancos	JLTM	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Los Trancos Road	JTRM	California,U.S.A.	37.3522N	122.1980W	251	
Los Trancos Woods	LTW	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Lost Valley Reservoir	LVRI	Idaho,U.S.A.	44.9447N	116.4520W	1700	From 1991-08-01
Losuia	LOSU	D'Entrecasteaux Islands,Papua New Guinea	8.5119S	151.0740E	10	From 1983-12-08
Los Vilos	VICH	Coquimbo,Chile	31.9112S	71.5104W	44	
Lot 18 Range III Mazenod Township	D51A	Quebec,Canada	47.0904N	79.3733W	282	From 2012-10-23
Lotru	LOT	Romania	45.4481N	23.7694E	1240	
Loudon	V51A	Tennessee,U.S.A.	35.8033N	84.3511W	243	From 2012-05-08
Louisa	IP03	Virginia,U.S.A.	38.0205N	78.0147W	152	
Louis Bay	LOU	Alaska,U.S.A.	60.4655N	147.6440W	490	
Louis Trichardt	LTT	Cape Province,South Africa	29.7233S	23.0150E	1006	
Louisville	Z46A	Mississippi,U.S.A.	33.1933N	88.9414W	125	From 2011-04-17 to 2013-01-29
Loup City	LCNC	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Loup City	LCNE	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Lourdes	PYLO	Midi-Pyrenees,France	43.0982N	0.0478W	407	From 2001-07-24
Loures	PLOU	Portugal	38.8852N	9.1518W	180	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Loutraki	LOUT	Greece	37.9879N	22.9743E	307	From 2010-05-27
Loutraki	LTK	Greece	38.0230N	22.9670E	410	From 2006-01-01
Loutraki	LTRA	Greece	37.9754N	22.9766E	100	From 2008-03-15
Lovejoy Buttes	LJB	California,U.S.A.	34.5912N	117.8480W	899	From 1977-12-01
Lovelace Mesa, Carrizozo	Y23A	New Mexico,U.S.A.	33.9315N	106.0549W	1789	From 2008-04-12 to 2010-03-12
Lovelock	LO-NV	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LO-	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LVK	Nevada,U.S.A.	40.1870N	118.5250W	1225	From 1969-11-05 to 1975-11-30
Lovikneset	N2B3	Norway	61.8250N	4.9530E	10	
Lovozero	LVZ	Karel'skaya,Russia	67.8979N	34.6514E	630	
Lower Browns Hole	LBUT	Utah,U.S.A.	41.3097N	111.7320W	1768	From 1978-06-01 to 1981-05-31
Lower Mag Wash	LWA	Utah,U.S.A.	38.4903N	112.8610W	1817	
Loyalton	LOY	California,U.S.A.	39.6586N	120.2368W	1582	
Loznitsa	LOZB	Bulgaria	43.3701N	26.5930E	342	From 2012-11-20
Lualailua	LLAH	Hawaii,U.S.A.	20.6270N	156.3103W	683	
Luanda	LUA	Angola	8.5000S	13.2333E	69	
Lubang	LUBP	Mindoro,Philippines	13.7340N	120.2460E	50	
Lubbock	LUB	Texas,U.S.A.	33.5833N	101.8670W	979	From 1948-06-01
Lubilhac	LBL	Auvergne,France	45.2323N	3.2470E	950	
Luboga	LBGA	Democratic Republic of the Congo	1.2650S	29.1170E	1850	
Lubrecht Forest	LFM	Montana,U.S.A.	46.8898N	113.4530W	1256	From 1974-08-02 to 1976-10-04
Lubudi	LBC	Democratic Republic of the Congo	9.9000S	25.9833E	1375	From 1966-12-01 to 1999-08-25
Lubumbashi	LBB	Democratic Republic of the Congo	11.6300S	27.4800E	1283	
Lubumbashi	ELI	Democratic Republic of the Congo	11.6500S	27.4667E	1245	
Luby	LUBY	Czech Republic	50.2602N	12.3592E	625	
Luby	LBCW	Czech Republic	50.2655N	12.4123E	638	From 2000-01-01
Lucas Creek	LCW	Washington,U.S.A.	46.6707N	122.7008W	396	
Lucas Heights	LHBM	New South Wales,Australia	34.0537S	150.9786E	168	
Lucca	TLUC	Italy	43.9130N	10.5250E	109	From 1998-03-28
Lucedale	LD-MS	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	447A	Mississippi,U.S.A.	30.7952N	88.6542W	34	From 2011-03-18 to 2012-12-13
Lucedale	LD3MS	Mississippi,U.S.A.	30.6661N	89.0436W	46	
Lucedale	LD-	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	LD2MS	Mississippi,U.S.A.	30.8528N	88.5406W	79	
Luceram	LUCF	Provence-Cote d'Azur,France	43.8925N	7.3462E	1087	From 2006-05-17
Lucky Boy Pass	LBP	Nevada,U.S.A.	38.4320N	118.7390W	2280	
Lucky Star	LSUT	Utah,U.S.A.	41.6848N	111.5580W	2225	From 1979-11-01 to 2004-03-11
Lucoli (AQ)	RM01	Italy	42.2767N	13.3356E	1350	From 2009-04-06 to 2009-08-31
Lucq-de-Bearn	LDBL	Aquitaine,France	43.3189N	0.6139W	250	
Luda	DAI	Liaoning,China	38.9000N	121.6330E	97	
Ludao	LDUT	Taiwan region	22.6733N	121.4693E	23	From 2014-07-25
Luebbering	R42A	Missouri,U.S.A.	38.2804N	90.7944W	218	From 2011-07-25 to 2013-04-13
Luepa	LUEV	Venezuela	5.8430N	61.4610W	1380	From 2003-06-04
Luganville	LUG	Vanuatu	15.5178S	167.1300E	150	
Lugnano (Citt^ di Castello) - PG	AT02	Italy	43.3681N	12.1744E	360	From 2010-04-01
Lugo	EXLU	Spain	43.0120N	7.5540W	466	
Lukban	LQP	Luzon,Philippines	14.1120N	121.5390E	1650	
Luk Keng	HKLK	Hong Kong,China	22.5138N	114.2106E	90	From 1997-04-23
Lukmanier-Pass	LUKA1	Switzerland	46.5647N	8.8001E	1921	From 2005-12-15
Lumberton	LU-MS	Mississippi,U.S.A.	31.0389N	89.2389W	91	
Lumbreras	ALUM	Salta,Argentina	25.2382S	64.8787W	812	
Lummi Island	A04D	Washington,U.S.A.	48.7201N	122.7063W	13	
Lumpkin	252A	Georgia,U.S.A.	31.9962N	84.7357W	142	From 2012-03-11
Lumpola	LUMP	Xizang Zizhiqu,China	31.8991N	89.9325E	4619	From 1997-07-11 to 1998-07-15
Lunacharskoye	LNC	Uzbekistan	41.3333N	69.3500E		
Lund	LUNU	Sweden	55.6320N	13.4460E	128	From 2008-02-21
Lund	LUN	Sweden	55.6983N	13.1867E	32	
Lundy Lake	LUL	California,U.S.A.	38.0522N	119.1813W	2243	
Luning	LNG	Nevada,U.S.A.	38.6150N	118.2100W		
Lunz Road, Clintonville	WI03	Wisconsin,U.S.A.	44.6529N	88.7335W	262	
Luogosano	LGS3	Italy	40.9865N	14.9906E	413	
Lupin Mine	LUPN	Northwest Territories,Canada	65.7383N	111.2569W	505	
Luque	ELUQ	Spain	37.5605N	4.2668W	703	From 1992-01-23
Luri	LURI	Corse,France	42.8988N	9.3958E	180	From 1989-11-01
Lusaka	LSZ	Zambia	15.2766S	28.1882E	1184	From 1984-01-01
Lusaka	LUS	Zambia	15.3837S	28.3312E	1259	From 1971-01-01 to 1999-08-25
Lussari	LSR	Italy	46.4758N	13.5278E	1750	From 1988-01-01
Lutao	TWH	Taiwan region	22.7103N	121.4773E	50	From 1974-09-17
Lutertal, Dagmarsellen	DAGMA	Switzerland	47.2308N	8.0125E	559	From 2013-04-11
Luther M School	OK005	Oklahoma,U.S.A.	35.6549N	97.1911W	298	
Lutirano	LMD	Italy	44.0775N	11.7073E	450	
Luwuk	LUWI	Sulawesi,Indonesia	1.0418S	122.7717E	6	From 2008-03-09
Luxembourg	LUX	Luxembourg	49.6000N	6.1333E		
Luz	PLUZ	Azores,Portugal	39.0164N	27.9773W	98	From 2005-08-01
Luzern Bramberg	SLUB	Switzerland	47.0579N	8.3055E	508	From 2011-12-01
Luzern Kirche, LU	SLUK	Switzerland	47.0479N	8.3083E	435	From 2013-11-30
Luzern Werkhofstrasse	SLUW	Luzern,Switzerland	47.0463N	8.3179E	436	From 2010-12-01
Luzern Zentralbibliothek	SLUZ	Switzerland	47.0483N	8.3077E	435	From 2012-05-30
Luzhba, Kemerovskaya Oblast', Russia	LUZB	Kemerovskaya Oblast',Russia	53.6611N	88.9001E	489	From 2006-01-01
L'vov	LVV	Ukraine	49.8190N	24.0310E	320	
Lwiro	LWI	Democratic Republic of the Congo	2.2393S	28.8025E	1772	From 1953-01-01
Lyangar	LNA	Tajikistan	38.4000N	69.3500E	2200	From 1964-01-01
Lycee	ELFMC	Switzerland	47.3855N	8.5996E	650	From 2010-05-11
Lyman	LYW	Washington,U.S.A.	48.5353N	122.1020W	107	From 1975-04-16
Lyman	M18A	Wyoming,U.S.A.	41.4272N	110.0674W	2103	From 2007-10-27 to 2009-05-21
Lynden	LY-WA	Washington,U.S.A.	48.6475N	122.2028W	122	
Lyndonville	H61A	Vermont,U.S.A.	44.5339N	71.9271W	462	From 2013-09-21
Lynn Haven	552A	Florida,U.S.A.	30.1327N	85.2938W	17	From 2012-02-06
Lynnwood City Hall ANSS-SMO	LYNC	Washington,U.S.A.	47.8255N	122.2938W	19	From 2005-02-08
Lyon Mountain	LYMT	Montana,U.S.A.	46.9700N	112.2895W	2237	From 1996-08-31
Lyons Estate	DLE	Ireland	53.2872N	6.5436W	140	From 1980-04-25 to 1990-12-31
Lyons Farm	DLF	Ireland	53.2958N	6.5314W	96	From 1990-08-01
Lysite	J21A	Wyoming,U.S.A.	43.3459N	107.4459W	1913	From 2008-08-07 to 2010-09-11
Lytham Saint Anne's	LLY	England,United Kingdom	53.7975N	2.9069W	33	From 1989-01-01
M12	M12	Hawaii,U.S.A.	19.3948N	155.3080W	1116	From 1972-12-01 to 1973-02-28
Ma'ale Noah	NOH	Israel	30.6890N	34.9620E	680	
Maan	HSNJ	Jordan	30.2560N	35.6870E	1180	
Maars	MRS	Alaska,U.S.A.	57.8567N	156.4890W	131	From 1977-05-20
Maaselka	MSF	Finland	65.9113N	29.0402E	365	
Maasin	MSLP	Leyte,Philippines	10.1340N	124.8590E	50	
Mabed	MABD	Egypt	22.9726N	32.3258E	280	
Mabujiaxiang, Xizang Zizhiqu	MAZA	Xizang Zizhiqu,China	28.6713N	87.8553E	4367	From 2002-07-24 to 2002-11-07
Macae	CAM1	Rio de Janeiro,Brazil	22.3978S	41.8338W	139	
Macagua	GMC	Venezuela	8.3000N	62.6833W		
Macapa, AP	MCPB	Para	0.3602S	52.0567W	127	From 2014-07-28
Macapo	MAPV	Venezuela	9.8308N	68.4573W	355	From 2008-01-16
Macar^¡, Loja	MCRA	Ecuador	4.3697S	79.9544W	540	From 2012-08-24
Macarena, Meta	MACC	Colombia	2.1452N	73.8476W	283	From 2013-05-27
Macas	MACE	Ecuador	2.2549S	78.1985W	1553	From 2006-01-22
Macchia Valfortore	MVF	Italy	41.5944N	14.9102E	439	From 2003-10-01
Macdoel	M04C	California,U.S.A.	41.7826N	121.8393W	1391	From 2005-06-30 to 2007-10-23
Macedon	MACM	Victoria,Australia	37.4303S	144.6910E	576	
Macedonia Univ,	TMU2	Greece	40.6255N	22.9596E	45	From 2008-09-30
Machiques	MCQV	Venezuela	10.0499N	72.5350W	120	From 2014-10-02
Machiques	MCHV	Venezuela	10.0460N	72.5800W	0	
Machtesh Katan	MKT	Israel	30.9480N	35.1520E	520	From 1983-01-01
Macinaw City Comets, Mackinaw City	F46A	Michigan,U.S.A.	45.7737N	84.7586W	198	From 2011-10-10 to 2013-06-12
Mackay	I14A	Idaho,U.S.A.	43.9286N	113.4518W	1897	From 2007-08-13 to 2009-08-13
MacKay Lake North	MCKN	Northwest Territories,Canada	64.1980N	110.2132W	431	
Mackay Peak	MCPI	Idaho,U.S.A.	43.9003N	113.7040W	2902	From 1983-11-01
MacKenzie Ranch, Jordan Valley	K10A	Oregon,U.S.A.	42.7779N	116.8705W	1701	From 2006-12-16 to 2008-07-24
Mack Ranch, Harrison	K25A	Nebraska,U.S.A.	42.6120N	103.8705W	1437	From 2008-11-15 to 2010-10-02
Macquarie Island	MQI	Macquarie Islands,Australia	54.5200S	158.9300E	250	
Macquarie Island	MCQ	Macquarie Islands,Australia	54.4986S	158.9560E	14	From 1950-06-01
Mactan	MAP	Cebu,Philippines	10.3228N	123.9807E	137	From 1980-01-22
Macugnaga	MCGN	Italy	45.9575N	7.9878E	1185	
Madang	MDG	Papua New Guinea	5.2501S	145.7800E	27	From 1974-12-01
Madang	MAD	Papua New Guinea	5.2333S	145.8000E		
Maddies Station, St. Elizabeth	R40A	Missouri,U.S.A.	38.2909N	92.2684W	213	From 2010-12-09 to 2012-09-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Maddock	MDND	North Dakota,U.S.A.	47.8481N	99.6029W	479	From 2008-09-03
Madeira	PMAR	Madeira Islands,Portugal	32.7237N	16.9137W	1605	
Madeiral	SVMA	Cape Verde Islands	16.8400N	24.9200W	195	From 2013-03-21
Madeleine	MADF	Aquitaine,France	43.1457N	0.8195W	535	
Madha	MDH	Oman	25.2987N	56.2983E	185	
Madison	MDS	Wisconsin,U.S.A.	43.3722N	89.7600W	278	From 1962-01-16 to 1968-06-10
Madison Junction	MJW	Wyoming,U.S.A.	44.6483N	110.8590W	2111	From 1964-01-01 to 1999-08-25
Madison River	YMR	Wyoming,U.S.A.	44.6687N	110.9650W	2149	
Madoc	MADO	Ontario,Canada	44.4360N	77.4708W	138	
Madonna delle Grazie (Coppito)	T0104	Italy	42.3599N	13.3382E	754	From 2009-04-07
Madras	MDR	Tamil Nadu,India	13.0000N	80.1833E	15	
Madras	H05A	Oregon,U.S.A.	44.6473N	121.2271W	720	From 2005-12-09 to 2008-01-30
Madrid	MDD	Spain	40.4000N	3.6833W		
Madrid Canyon Road, Trinidad	HGTCO	Colorado,U.S.A.	37.1075N	104.6740W	2109	
Madsous	MADS	Saudi Arabia	29.1080N	35.0730E	645	From 1993-09-01
Maebashi	MAE	Gumma,Japan	36.4017N	139.0650E	112	
Maebashi 2	MAEJ	Gumma,Japan	36.5377N	139.1795E	1665	From 1989-03-25
Maesarieng	MHMT	Thailand	18.1764N	97.9310E	164	
Maesberg Ranch, Thedford	L29A	Nebraska,U.S.A.	42.0641N	100.4779W	901	From 2009-06-04 to 2011-04-09
Mafinga	MAFI	Tanzania,United Republic of Tanzania	8.3057S	35.3133E	1866	
Mafra	PMAFR	Portugal	38.9554N	9.2827W	329	From 2006-07-31
Magadan	MA2	Magadanskaya Oblast',Russia	59.5753N	150.7680E	339	
Magadan	MAG	Magadanskaya Oblast',Russia	59.5540N	150.8050E	50	
Magadan 1	MGD	Magadanskaya Oblast',Russia	60.0460N	150.7300E	221	
Magadan Thermoelectric Plant	TEC1	Magadanskaya Oblast',Russia	59.5840N	150.7890E	65	
Magadi	MAGK	Kenya	1.9182S	36.2873E	660	From 1994-02-01
Magalia	MGL	California,U.S.A.	39.8117N	121.5580W	1010	From 1966-06-01
Magara	MGRA	Tanzania,United Republic of Tanzania	3.8100S	35.6905E	994	
Magasa	MAGA	Italy	45.7753N	10.6286E	1265	From 2006-06-21
Magazine	W39A	Arkansas,U.S.A.	35.1960N	93.7840W	162	From 2011-01-29
Magazine Ridge	OKFG	Alaska,U.S.A.	53.4107N	167.9115W	201	
Magdalena	MAGD	Ecuador	0.0685S	79.7738W	340	
Magdalena	MAG1	Ecuador	0.0722S	79.7733W	316	From 2005-08-24
Magdalena	MMG	Guatemala	14.5380N	90.6815W	2190	From 1975-03-01
Magdalen Islands	MADG	Gulf of St. Lawrence,Canada	47.2748N	61.6892W	78	From 2005-10-01
Mageik Landslide	MGLS	Alaska,U.S.A.	58.1343N	155.1608W	472	From 1996-08-01
Maghara	AMAG	Egypt	30.6430N	33.2083E	620	
Magodro	MGO	Fiji	17.7925S	177.7400E	726	From 1983-09-01
Magosa	MAGT	Cyprus	35.1000N	33.8700E	7	
Magoula, Dorida, Central Greece	MG00	Greece	38.4150N	21.9471E	141	From 2013-02-05
Magruder Mountain	MGM	Nevada,U.S.A.	37.4411N	117.4961W	2148	
Maguayo	MGPB	Puerto Rico	18.0500N	67.0400W	60	
Maguayo	MGP	Puerto Rico	18.0076N	67.0891W	60	From 1975-11-14
Magueyes Island, Lajas, Puerto Rico	MLPR	Puerto Rico	17.9694N	67.0442W	12	From 2012-03-01
Maguga Dam	MAGG	Swaziland	26.0763S	31.2651E	677	
Mag Wash	MWA	Utah,U.S.A.	38.4981N	112.8470W	1878	
Magyarpolˆ¡ny	MPLH	Hungary	47.1702N	17.5395E	307	From 2013-10-08
Mahabad	MAHB	Iran	36.7666N	45.7054E	1370	From 2013-03-10
Mahabad	IMAH	Iran	36.7666N	45.7167E	1344	From 1991-11-01
Mahableshwar	MAH	Maharashtra,India	17.8900N	73.6500E	1382	
Mahakanadarawa	MALK	Sri Lanka	8.3968N	80.5425E	110	From 2010-04-10
Mahalah	MKHL	Saudi Arabia	17.3650N	42.6810E	116	
Mahdasht	IMHD	Iran	35.6853N	50.6675E	1150	From 1996-01-01
Mahe	SEY1	Seychelles	4.6150S	55.4908E	270	
Mahe Island	MSEY	Seychelles	4.6737S	55.4792E	475	
Mahia	MAHZ	North Island,New Zealand	39.1865S	177.8810E	336	From 1987-04-10 to 1997-08-04
Mahia Peninsula	MHGZ	North Island,New Zealand	39.1525S	177.9070E	302	From 2006-05-04
Mahoenui	MOZ	North Island,New Zealand	38.5040S	174.8032E	160	From 1989-09-28 to 2003-09-30
Mahon	MAHO	Balearic Islands,Spain	39.8959N	4.2665E	25	
Mahukona	MHA	Hawaii,U.S.A.	20.1878N	155.9030W	5	From 1983-01-01
Maiden Rock	H38A	Wisconsin,U.S.A.	44.6753N	92.2820W	333	From 2011-08-13 to 2013-06-06
Mailiao	WMLT	Taiwan region	23.8040N	120.2230E	12	From 2012-07-20
Mail Ridge	KMRM	California,U.S.A.	40.2220N	123.7086W	915	
Mains of Drumtochty	DRUM	Scotland,United Kingdom	56.9126N	2.4865W	208	From 2009-04-01
Maintong	ST12	Xizang Zizhiqu,China	31.6259N	89.8834E	4661	From 1998-07-08 to 1999-06-01
MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	MAIM	Cape Verde Islands	15.2573N	23.1839W	44	From 2007-05-30
Maiskii, Chutkotka	MKI	Magadanskaya Oblast',Russia	68.9670N	173.7140E	261	From 1982-08-01 to 1994-06-01
Maissana	MSSA	Italy	44.3162N	9.5174E	930	From 2008-11-21
Maitri	MAIT	Dronning Maud Land	70.7760S	11.7360E	132	
Maitube	MTBS	Kazakhstan	43.1300N	76.4290E	1050	From 1984-09-01
Maizieres J'ville	MEZF	Champagne-Ardenne,France	48.5019N	5.0519E	245	
Maizuru	MAI	Kyoto,Japan	35.4717N	135.3870E	31	
Maizuru	MZH	Kyoto,Japan	35.4483N	135.3200E	21	
Maizuru 2	MZH2	Kyoto,Japan	35.4017N	135.3933E	170	From 1994-02-24
Majene	MJSI	Sulawesi,Indonesia	3.5503S	118.9803E	97	From 2005-01-01
Majene	PMSI	Sulawesi,Indonesia	3.5008S	118.9149E	306	
Majia	TSMG	Taiwan region	22.7054N	120.6448E	145	From 2014-07-28
Maji Moto Rd	MAJI	Tanzania,United Republic of Tanzania	3.6267S	35.2728E	1018	
Makambako	MAKM	Tanzania,United Republic of Tanzania	8.8437S	34.8302E	1683	
Makanchi	MAKZ	Kazakhstan	46.8080N	81.9770E	570	From 1996-09-14
Makanchi Array Beam Reference Point	MKAR	Kazakhstan	46.7937N	82.2904E	615	
Makanchi Array site	MK31	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK32	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK05	Kazakhstan	46.7937N	82.2913E	615	From 2000-08-28
Makanchi Array site	MK03	Kazakhstan	46.7656N	82.3015E	630	From 2000-08-28
Makanchi Array site	MK02	Kazakhstan	46.7694N	82.3086E	639	From 2000-08-28
Makanchi Array site	MK08	Kazakhstan	46.7561N	82.2866E	607	From 2000-08-28
Makanchi Array site	MK01	Kazakhstan	46.7700N	82.3003E	609	From 2000-08-28
Makanchi Array site	MK06	Kazakhstan	46.7751N	82.3133E	637	From 2000-08-28
Makanchi Array site	MK09	Kazakhstan	46.7744N	82.2769E	579	From 2000-08-28
Makanchi Array site	MK07	Kazakhstan	46.7538N	82.3156E	627	From 2000-08-28
Makanchi Array site	MK04	Kazakhstan	46.7715N	82.2951E	589	From 2000-08-28
Makaopuhi	MKA	Hawaii,U.S.A.	19.3678N	155.1640W	881	From 1964-03-01 to 2002-10-16
Makara Radio	MRW	North Island,New Zealand	41.2295S	174.6999E	231	From 1976-01-26 to 2008-06-18
Makarska	MAKA	Croatia	43.2877N	17.0197E	45	
Makassar	MKS	Sulawesi,Indonesia	5.2178S	119.4700E	28	From 1970-06-01
Makatiti	MKRZ	North Island,New Zealand	38.1384S	176.4672E	963	From 2003-05-23
Makawir	MKRJ	Jordan	31.5522N	35.6408E	815	From 1983-09-01
Makayla and Karen, Gunnison	Y43A	Mississippi,U.S.A.	33.9121N	90.9285W	46	From 2011-04-13 to 2013-02-24
Makeyevka	MKY	Ukraine	48.0333N	37.9833E		
Makhachkala	MAK	Dagestan,Russia	42.9610N	47.5050E	42	
Maki	MAKK	Kumamoto,Japan	32.9173N	130.9279E	440	
Makkovik	MKVL	Newfoundland,Canada	55.0923N	59.1840W	79	From 2011-07-26
Makna	MKNA	Saudi Arabia	28.4380N	34.8750E	650	From 1993-07-01
Makongolosi	LOSS	Tanzania,United Republic of Tanzania	8.4167S	33.1575E	1209	
Makrakomi, Fthiotida	MAKR	Greece	39.0132N	22.1317E	532	From 2008-06-18
Maku	MAKU	Iran	39.3548N	44.6833E	1730	From 2004-04-03
Makukawa	MAKT	Fukushima,Japan	37.6792N	140.2494E	1240	
Makushin Cirque	MCIR	Alaska,U.S.A.	53.9513N	166.8918W	800	From 1996-08-01
Makushin Gods Own Repeater Site	MGOD	Alaska,U.S.A.	53.7947N	166.8725W	695	From 1996-08-01
Makushin Julie Andrews	MSOM	Alaska,U.S.A.	53.8165N	166.9490W	50	From 1996-08-01
Makushin Nateekin	MNAT	Alaska,U.S.A.	53.8838N	166.6833W	390	From 1996-08-01
Makushin Rep'tr	MREP	Alaska,U.S.A.	53.8105N	166.7456W	785	
Makushin Switchbacks	MSW	Alaska,U.S.A.	53.9147N	166.7827W	418	From 1996-08-01
Makushin Table Top	MTBL	Alaska,U.S.A.	53.9693N	166.6785W	865	From 1996-08-01
Makuyuni	KWSI	Tanzania,United Republic of Tanzania	3.4728S	36.2050E	1400	
Makuyuni S	MAKS	Tanzania,United Republic of Tanzania	3.6027S	36.0832E	1089	
Malabar	MLB	Jawa,Indonesia	7.2167S	107.6170E	1550	From 1911-01-01 to 1945-12-31
Malad City	L15A	Idaho,U.S.A.	42.0041N	112.3860W	1645	From 2007-07-13 to 2009-05-05
Malad Range	MLI	Idaho,U.S.A.	42.0268N	112.1260W	1896	From 1974-10-01
Mala Drenova	MDRV	Serbia	43.6915N	21.0919E	0	
Malaga	MAL	Spain	36.7275N	4.4111W	60	From 1915-01-01
Malaga	EXMA	Spain	36.7260N	4.3930W	83	
Malaga-Limonero	EMAL	Spain	36.7620N	4.4292W	80	From 1993-05-20
Malaga, Loving	226A	New Mexico,U.S.A.	32.0618N	104.1014W	929	From 2008-03-22 to 2009-02-21
Malagash, Nova Scotia	MALG	Nova Scotia,Canada	45.7903N	63.3271W	22	From 2005-10-15
Malaho	MAOD	Djibouti	12.0944N	42.2253E	329	From 2004-01-01
Malamata, Dorida, Central Greece	MALA	Greece	38.3934N	21.8726E	-192	From 2012-12-15
Malargue	EDS3	Mendoza,Argentina	35.7703S	69.3992W	1500	From 2012-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Malargue	PUMA	Mendoza,Argentina	35.4963S	69.4497W	500	From 2012-01-01
Malaspina Glacier	MLA	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malaspina Glacier	MLP	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malataya	MYA	Turkey	38.3261N	38.4253E	1050	
Malatya	MALT	Turkey	38.3134N	38.4273E	1120	
Malatya	MLTT	Turkey	38.3542N	38.3617E	1170	From 1992-10-01 to 2002-04-25
Malatya_Hekimhani	HEKM	Turkey	38.8790N	37.9591E	1859	From 2011-11-30
Malaya Ipel'ka	MIPR	Kamchatskaya Oblast',Russia	52.2761N	156.7581E	370	
Malazgirt-MUS	MLAZ	Turkey	39.1410N	42.5495E	1581	From 2012-11-26
Malden	MLDM	Missouri,U.S.A.	36.6250N	89.9195W	84	
Malden	MLD	Missouri,U.S.A.	36.5587N	89.9698W		From 1967-11-01 to 1969-11-30
Malga Bissina	MABI	Italy	46.0549N	10.5140E	1853	From 2003-12-17
Malga Garda, Italy	MGRD	Italy	45.9754N	12.0152E	1335	From 2010-06-08
Malibu	MABC	British Columbia,Canada	50.1647N	123.8560W	75	From 1991-03-20
Malinalco, Edo de Mexico	MAVM	Mexico	18.9572N	99.4942W	1824	From 2009-07-01
Malin Array Beam Reference Point	AKASG	Ukraine	50.7012N	29.2242E	160	
Malin Array Site 01	AK01	Ukraine	50.6911N	29.2131E	160	
Malin Array Site 02	AK02	Ukraine	50.6573N	29.2057E	170	
Malin Array Site 03	AK03	Ukraine	50.7263N	29.2217E	160	
Malin Array Site 04	AK04	Ukraine	50.7226N	29.1660E	160	
Malin Array Site 05	AK05	Ukraine	50.6197N	29.2036E	180	
Malin Array Site 06	AK06	Ukraine	50.5858N	29.1985E	190	
Malin Array Site 07	AK07	Ukraine	50.5507N	29.2044E	170	
Malin Array Site 08	AK08	Ukraine	50.6338N	29.2548E	122	
Malin Array Site 09	AK09	Ukraine	50.6151N	29.2846E	180	
Malin Array Site 10	AK10	Ukraine	50.5990N	29.2513E	180	
Malin Array Site 11	AK11	Ukraine	50.6784N	29.1677E	160	
Malin Array Site 12	AK12	Ukraine	50.6437N	29.1549E	180	
Malin Array Site 13	AK13	Ukraine	50.6123N	29.0606E	180	
Malin Array Site 14	AK14	Ukraine	50.6306N	29.1076E	180	
Malin Array Site 15	AK15	Ukraine	50.6951N	29.1240E	170	
Malin Array Site 16	AK16	Ukraine	50.6700N	29.1058E	170	
Malin Array Site 17	AK17	Ukraine	50.6851N	29.0574E	170	
Malin Array Site 18	AK18	Ukraine	50.7221N	29.0676E	170	
Malin Array Site 19	AK19	Ukraine	50.7222N	29.0116E	180	
Malin Array Site 20	AK20	Ukraine	50.7430N	29.0100E	170	
Malin Array Site 21	AK21	Ukraine	50.7764N	29.0419E	160	
Malin Array Site 22	AK22	Ukraine	50.7608N	29.0712E	160	
Malin Array Site 23	AK23	Ukraine	50.7625N	29.1254E	160	
Malin Array Site BB	AKBB	Ukraine	50.7012N	29.2242E	160	
Malindi	MALM	Malawi	14.3500S	35.3170E	496	
Malini	MII	Romania	47.4558N	26.0747E	400	
Malkovo	MLK4	Sakhalinskaya Oblast',Russia	46.7695N	143.3545E	10	From 2003-01-01
Mallet	U28A	Texas,U.S.A.	36.3793N	102.2243W	1165	From 2009-04-16 to 2010-11-09
Mallorca	ETOS	Balearic Islands,Spain	39.7678N	2.8144E	480	
Malnas	MSR	Romania	46.0381N	24.8214E	640	From 1982-09-01
Malnisio	MLNI	Italy	46.1500N	12.6100E	814	
Malo-Kuril'sk	MLK*	Sakhalinskaya Oblast',Russia	43.8667N	146.8170E		
Malo Peshtene	MPEP	Bulgaria	43.3560N	23.7401E	339	From 2007-05-10
Malpasso	EMLP	Sicily,Italy	37.6842N	15.1778E	115	From 1994-10-01
Malpelo	MAPC	Colombia	4.0037N	81.6065W	137	From 2009-06-28
Malta	MLT	Malta	35.9000N	14.4800E	18	From 1982-07-01
Malta	L14A	Idaho,U.S.A.	42.0343N	113.2398W	1528	From 2007-07-17 to 2009-05-08
Malvaux	MLV	Bourgogne,France	47.2655N	3.0387E		
Malvern	MCJ	Jamaica	17.9250N	77.6870W	755	From 1977-02-20
Mambajao	MAM	Mindanao,Philippines	9.2500N	125.6000E		From 1917-01-01 to 1935-12-31
Mamelis	MAME	Netherlands	50.8004N	5.9733E	160	From 2009-03-10
Mamie plateau, Yate, New Caledonia	YATNC	New Caledonia	22.0590S	166.8910E	237	From 2012-03-20
Mammari	MAMC	Cyprus	35.1710N	33.2180E	240	From 1998-11-16
Mammoth Hot Springs	MHS	Wyoming,U.S.A.	44.9770N	110.6850W		From 1964-01-01 to 1974-10-31
Mammoth Lakes	MLKM	California,U.S.A.	37.6641N	118.9765W	2644	
Mammoth Lakes Knolls	MMLB	California,U.S.A.	37.6591N	118.9791W	2656	
Mammoth, Mammoth Lakes	MLAC	California,U.S.A.	37.6302N	118.8361W	2162	From 1992-11-04
Mammoth Pass	MMPM	California,U.S.A.	37.6100N	119.0280W	2870	From 1983-08-26
Mammoth Summit	MMSM	California,U.S.A.	37.6304N	119.0317W	3324	
Mammoth Vault	YMV	Wyoming,U.S.A.	44.9737N	110.6888W	1829	
Mamou	MAMG	Guinea	10.2645N	11.9650W	773	From 1991-07-01
Mamou	442A	Louisiana,U.S.A.	30.7119N	92.4314W	15	From 2011-02-12 to 2012-11-28
Mamousia	MAMO	Greece	38.1520N	22.1443E	650	From 2001-12-10
Mamuju	MMSI	Sulawesi,Indonesia	2.6900S	118.9100E	221	From 2008-01-01
Manacapuru-AM	MACA	Brazil	3.1615S	60.6838W	75	From 2014-01-30
Manaccan	CMA1	England,United Kingdom	50.0821N	5.1274W	42	From 1993-01-01
Manadas	PMAN	Azores,Portugal	38.6327N	28.0890W	180	
Manado	MNI	Sulawesi,Indonesia	1.4439N	124.8399E	191	From 1972-01-01
Managua	MGAN	Nicaragua	12.1468N	86.2472W	80	
Manakhah	MNKH	Yemen	15.0652N	43.7500E	0	
Manam	AMAN	Egypt	23.9333N	32.9340E		
Manamana	MANV	Venezuela	9.7992N	70.7962W		
Manantiales	MAA	Mendoza,Argentina	32.0839S	69.8500W		
Manas	MNSR	Dagestan,Russia	42.7028N	47.7194E	-20	
Manas	MNAS	Kyrgyzstan	42.4870N	72.5040E	1515	
Manavgat-Antalya	MNVG	Turkey	36.7935N	31.4161E	24	From 2012-04-01
Manawahe	MARZ	North Island,New Zealand	37.9849S	176.6747E	480	From 1992-06-16
Mancha de Ca Pechiches	PECV	Ecuador	0.7773S	80.0488W	442	From 2008-06-06
Manchester	MNWA	Washington,U.S.A.	47.5650N	122.5341W	1554	From 2002-11-01
Manchester	MX-TN	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester	MX-	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Mandailing Natal	MNSI	Sumatera,Indonesia	0.7955N	99.5796E	0	From 2007-12-01
Mandalay	MND	Myanmar	22.0157N	96.1148E	93	From 1966-10-01 to 1999-08-25
Mandiavato	MDSM	Madagascar	19.0852S	47.0306E	1511	
Mandileni	MDL	Cape Province,South Africa	30.7100S	28.8000E	1320	From 1988-01-01 to 1999-12-31
Mandvi	MAND	Gujarat,India	22.8428N	69.2861E	8	From 2012-01-01
Mangahao	MNG	North Island,New Zealand	40.6170S	175.4822E	396	From 1965-11-16 to 1994-10-19
Mangahewa	MHEZ	North Island,New Zealand	39.0761S	174.3231E	194	From 2008-03-04
Mangalia	MANR	Romania	43.8168N	28.5876E	71	From 2008-10-02
Mangalia Port-Far Verde	TSMN	Romania	43.8010N	28.5950E	70	From 2013-05-10
Mangalore	MNGI	Karnataka,India	12.9417N	74.8227E		
Mangatainoka River	MRZ	North Island,New Zealand	40.6605S	175.5786E	286	From 1992-04-08
Mangateitei	MTVZ	North Island,New Zealand	39.3846S	175.4704E	840	From 2005-03-15
Mangla	MNL	Pakistan	33.1472N	73.7500E	436	
Mangrove Creek Dam	MGCD	New South Wales,Australia	33.2096S	151.1092E	219	From 1997-11-05
Manhattan	AMNH	New York,U.S.A.	40.7808N	73.9738W		
Manhattan	MHK	Kansas,U.S.A.	39.1874N	96.5792W	318	From 1974-11-19 to 2001-07-15
Manhattan	MHT	Kansas,U.S.A.	39.1997N	96.5806W	339	
Manica	MANI	Mozambique	18.9482S	32.8843E	1300	
Manicaragua	MGV	Cuba	22.1100N	79.9800W		
Manicouagan	MNQ	Quebec,Canada	50.5333N	68.7744W	564	From 1974-11-27
Manihiki	MNHK	Cook Islands	10.4150S	161.0330W	1	
Manila	MAN	Luzon,Philippines	14.6600N	121.0780E	70	From 1949-01-01
Manila South	MSAR	Arkansas,U.S.A.	35.7842N	90.1469W	69	
Manipur University	MUM	Manipur,India	24.7498N	93.9242E	784	
Manisa	MANT	Turkey	38.4908N	28.5578E	2008	From 2002-12-12
Maniwaki	MIQ	Quebec,Canada	46.3667N	75.9667W	199	From 1974-02-27 to 1981-04-30
Manizales, Caldas	CMAN1	Colombia	5.0715N	75.5244W	2237	From 1996-09-02
Manley	MLY	Alaska,U.S.A.	65.0308N	150.7390W	804	From 1990-09-25
Manna	MNAI	Sumatera,Indonesia	4.3605S	102.9557E	154	From 2006-07-27
Mann Creek Ranch, Princeton	K08A	Oregon,U.S.A.	42.7308N	118.4864W	1391	From 2006-06-29 to 2008-04-08
Manning	D26A	North Dakota,U.S.A.	47.0301N	102.4357W	693	From 2009-07-23 to 2011-07-27
Manning	MANA	Alberta,Canada	56.8554N	117.6367W	480	From 2009-10-18
Manning Farm, Rocklake	A29A	North Dakota,U.S.A.	48.9228N	99.2321W	480	From 2009-08-20 to 2011-07-19
Manof	MNFI	Israel	32.8510N	35.2360E	350	
Manokwari, Papua	MWPI	Irian Jaya,Indonesia	0.9300S	134.0400E	70	From 2008-01-01
Mansa	MZZ	Zambia	11.1422S	28.8760E	1256	From 1984-01-01
Mansfield	T40A	Missouri,U.S.A.	37.1504N	92.5193W	399	From 2010-12-14 to 2012-10-31
Mansfield	O44A	Illinois,U.S.A.	40.1526N	88.4671W	213	From 2011-10-15
Manso	MSB	Mato Grosso,Brazil	14.8864S	55.8172W	360	
Manta	AMANT	Ecuador	0.9408S	80.7345W	38	From 2010-08-26
Manteigas	MTE	Portugal	40.3997N	7.5442W	815	From 1974-12-10
Manter	S28A	Kansas,U.S.A.	37.5899N	101.8979W	1064	From 2009-04-10 to 2011-03-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Manton Dam	MTN	Northern Territory,Australia	12.8436S	131.1327E	137	From 1972-06-01
Mantova	MNTV	Italy	45.1495N	10.7897E	36	From 2009-07-29
Manual Prospect Mine,Trona	MPMC	California,U.S.A.	36.0580N	117.4890W	1839	From 1998-06-25
Manuel Ranch, Winnett	D20A	Montana,U.S.A.	47.0911N	108.1362W	902	From 2008-08-15 to 2010-06-05
Manus Island	MANU	Papua New Guinea	2.0432S	147.3662E	141	From 2009-04-01
Manyara 2	MAN2	Tanzania,United Republic of Tanzania	3.3960S	35.8117E	1222	
Manyatta Coffee Estate	COFF	Tanzania,United Republic of Tanzania	3.3948S	36.8745E	1122	
Manyoni	MANYT	Tanzania,United Republic of Tanzania	5.7438S	34.8383E	1258	
Manysh	MNYS	Turkmenistan	37.7720N	58.6080E	680	
Manzanillo	MNZ	Colima,Mexico	19.0542N	104.3306W	60	
Manzanita Entrance	LMEM	California,U.S.A.	40.5378N	121.5700W	1753	From 1988-11-04
Manzanita Lake	MLC	California,U.S.A.	40.5367N	121.5620W	1800	From 1956-06-01
Manzanita Lake	LMZM	California,U.S.A.	40.5443N	121.5640W	329	From 1976-11-12
Manzenberg	MANZ	Bayern,Germany	49.9862N	12.1083E	638	From 1996-07-31
Mao	MAO1	Dominican Republic	19.5513N	71.0811W	80	From 2011-06-16
Mapaga	MPSI	Sulawesi,Indonesia	0.3374N	119.8980E	0	From 2007-12-01
Mapinhane	MAPI	Mozambique	22.2486S	35.0917E	39	From 2010-05-25
Maple Bay	SHDB	British Columbia,Canada	48.7970N	123.6360W	55	From 2003-02-28
Maple Canyon	MPU	Utah,U.S.A.	40.0155N	111.6333W	1909	
Maple Creek	YMC	Wyoming,U.S.A.	44.7593N	111.0060W	2073	From 1974-10-01
Maple Falls	A05A	Washington,U.S.A.	48.9983N	122.0852W	174	From 2005-11-25 to 2009-01-08
Maple Grove Farm, Niagara	F42A	Wisconsin,U.S.A.	45.7587N	88.1347W	358	From 2011-09-09 to 2013-11-27
Mapleton	I02A	Oregon,U.S.A.	44.0035N	123.8299W	170	From 2005-11-17 to 2008-01-22
Maple valley SMO-IDS24	MPL	Washington,U.S.A.	47.4684N	122.1858W	122	From 1997-01-01
Maputo	LMM	Mozambique	25.9686S	32.5942E	55	
Maracay	MARA	Venezuela	10.3239N	67.6069W	1200	From 1984-01-01 to 1999-08-25
Marana (Italy)	MARN	Italy	45.6378N	11.2099E	550	From 2009-11-27
Marand	IMRD	Iran	38.7133N	45.7030E	1684	From 1995-08-01
Marapu	PGMAR	New Britain,Papua New Guinea	5.5830S	150.7675E	110	
Maratea	BMAT	Italy	39.9900N	15.7184E	69	From 2009-10-28
Marathon	062Z	Florida,U.S.A.	24.7266N	81.0523W	5	From 2012-05-15
Marathon	MTX	Texas,U.S.A.	30.3079N	103.2542W	1363	
Maraveh tapeh	MRVT	Iran	37.6593N	56.0893E	870	From 2006-03-18
Marayes	AMAR	San Juan,Argentina	31.4555S	67.3278W	615	
Marble Bar	MBWA	Western Australia,Australia	21.1590S	119.7312E	194	From 2001-08-25
Marble Bar	MBL	Western Australia,Australia	21.1600S	119.8330E	200	From 1976-06-23 to 2006-05-29
Marble Bar	MBT	Western Australia,Australia	21.1700S	119.7420E	200	From 1972-10-01 to 1976-06-23
Marble Canyon	MCA	California,U.S.A.	36.6466N	117.2805W	303	From 1979-01-23
Marblemount	B06A	Washington,U.S.A.	48.5183N	121.4845W	75	From 2006-09-17 to 2008-11-12
Marchena, Sevilla	E012	Spain	37.3710N	5.5248W	144	From 2007-10-30 to 2009-07-07
Marco	AMRC	Italy	45.8515N	11.0189E	201	From 2005-07-14
Marconi Conference Center, Marshall	MCCM	California,U.S.A.	38.1448N	122.8802W	-7	From 2006-02-03
Marcus Island	MCS	Marcus Island,Japan	24.2900N	153.9880E		From 1966-01-01 to 1970-12-31
Marden Senior College	AUMAR	South Australia,Australia	34.8900S	138.6400E	153	From 2013-08-11
Mardin	MARD	Turkey	37.3139N	40.7789E	1290	From 2005-06-24
Mardin/Midyat-Merkez	MIDY	Turkey	37.4063N	41.3983E	972	From 2014-12-01
Mared	SMRD	Iran	30.4979N	48.3069E	5	From 2010-08-11
Maredsous	BMRD	Belgium	50.3025N	4.7675E	215	From 1997-09-25
Mare, Loyalty Islands, New Caledonia	MARNC	Loyalty Islands,New Caledonia	21.4809S	168.0305E	44	From 2011-11-03
Mareno di Piave, Italy	MMAR	Italy	45.8419N	12.3602E	33	From 2010-06-07
Mareth	MART	Tunisia	33.5768N	10.2495E	140	
Marewa	MRH	North Island,New Zealand	39.4974S	176.8885E	4	From 1987-03-19 to 1989-08-03
Margaret Lake	MGTN	Northwest Territories,Canada	63.6856N	109.5911W	411	
Marguerite Bay	ANC	Antarctic Peninsula	68.1944S	67.0000W	7	
Maria Elena	MACH	Antofagasta,Chile	22.1955S	69.7577W	2003	From 2007-11-21
Marianna	452A	Florida,U.S.A.	30.8492N	85.1830W	35	From 2012-02-04
Mariazell	MZA	Austria	47.7703N	15.3283E	990	
Ma'rib	MARB	Yemen	15.4640N	45.3200E	1120	From 1994-11-01
Maricao	MRCP	Puerto Rico	18.1770N	67.0310W	330	
Maricopa	MARC	California,U.S.A.	35.0025N	119.3390W	436	
Maricunga	AC02	Atacama,Chile	26.8355S	69.1291W	3980	From 2014-02-04
Marie-Galante	MGG	Guadeloupe,France	15.9180N	61.3168W	51	
Marienthal	R29A	Kansas,U.S.A.	38.4243N	101.1383W	957	From 2009-04-17 to 2011-03-18
Mariestad	MRE	Sweden	58.6170N	13.7460E		From 1980-01-01 to 1991-12-31
Marietta	Y35A	Oklahoma,U.S.A.	33.9059N	97.0374W	214	From 2010-04-25 to 2012-01-31
Marietta College	MACO	Ohio,U.S.A.	39.4166N	81.4491W	193	
Marine on St. Croix	SPMN	Minnesota,U.S.A.	45.2246N	92.8037W	311	From 2008-08-28
Marin Headlands	MHDL	California,U.S.A.	37.8421N	122.4940W	0	
Marino	MA9	Italy	41.7702N	12.6593E	340	From 2000-05-11
Marion BPA Site DOGAMI SMO	MRIN	Oregon,U.S.A.	44.8002N	122.6995W	187	From 2002-03-19
Marion Center	N55A	Pennsylvania,U.S.A.	40.7808N	78.9862W	559	From 2012-12-13
Marion Island	MIO	Prince Edward Islands,South Africa	46.9583S	37.9000E	10	
Mariponipon	MRPI	Sumatera,Indonesia	1.6125N	99.3172E	1100	
Marisa	MRSI	Sulawesi,Indonesia	0.4771N	121.9406E	0	From 2007-12-01
Markates	MRKA	Greece	38.7058N	23.5875E	424	From 2008-10-16
Markates	VMA	Greece	38.7058N	23.5876E	468	From 1983-01-01
Marked Tree	MK-	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Marked Tree	MK-AR	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Market Rasen	LMK	England,United Kingdom	53.4569N	0.3266W	130	From 1991-01-01
Markovo, Chukotka	MKV	Kamchatskaya Oblast',Russia	64.6840N	170.4120E	25	From 1985-10-01 to 1992-04-01
Marks Point, NSW, Australia	MKPT	New South Wales,Australia	33.0556S	151.6432E	20	From 2005-09-01 to 2012-07-30
Mark West Springs	MAC	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Mark W Springs	NMWM	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Marlboro	MARL	Vermont,U.S.A.	42.7990N	72.8378W	580	From 1977-08-08 to 1983-02-25
Marlette	J49A	Michigan,U.S.A.	43.3600N	83.1389W	253	From 2012-10-16
Marlinton	R55A	West Virginia,U.S.A.	38.2825N	80.1195W	833	From 2013-01-22
Marlo Lake	MLON	Northwest Territories,Canada	63.9696N	109.8953W	418	
Marmara Adasi	MRMT	Turkey	40.6032N	27.5957E	800	
Marmaraadasi Cinnet	MAR1	Turkey	40.6533N	27.6633E	28	From 2009-01-01
Marmara Ereglisi-Tekirdag	BOTS	Turkey	40.9901N	27.9810E	31	From 2011-01-01
Marmara-Ereglisi-Tekirdag	SBT3	Turkey	40.8847N	27.9751E	-1204	From 2011-01-21
Marmara Sea	SB02	Turkey	40.9668N	28.4471E	-65	From 2013-12-29
Marmari	MRMA	Greece	38.0573N	24.3792E	300	From 2008-10-14
Marmaris-Mugla	MRSB	Turkey	36.7160N	28.1967E	402	From 2011-04-07
Marmelete	MORF	Portugal	37.3063N	8.6508W	650	
Marmol	MRL	Guatemala	15.0658N	89.6912W	1460	From 1979-10-01
Maron	MAJ	Jawa,Indonesia	7.5667S	110.4170E		
Marquesado	RTMQ	San Juan,Argentina	31.5057S	68.6667W	798	
MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE PMQ	PMQ	Marquesas archipelago	8.8678S	140.1591W	806	From 2005-03-29
Marquette Ranch, East Glacier	B14A	Montana,U.S.A.	48.3609N	113.2729W	1529	From 2007-09-14 to 2009-08-10
Marrel Ranch, Paradise Valley	M09A	Nevada,U.S.A.	41.4230N	117.4497W	1355	From 2006-04-26 to 2008-04-01
Marsad	MRSJ	Jordan	29.6850N	35.3219E	810	From 1990-03-15
Marsa Matruh	MMT	Egypt	31.3800N	27.2750E		From 1975-01-01 to 1980-12-31
Marseilles	MAR	Provence-Cote d'Azur,France	43.3053N	5.3939E	75	
Marsico Nuovo (PZ)	MRN3	Italy	40.4256N	15.7296E	772	
Marsico Vetere	MARE	Italy	40.3932N	15.8113E	1030	
Marsite Station 2 Hoskoy	MAR2	Turkey	40.7172N	27.3123E	14	From 2014-02-01
Marsite Station 4	MAR4	Turkey	40.7880N	27.3007E	905	From 2014-02-01
Marsite Station Cinarli Koyu	MAR8	Turkey	40.6121N	27.5348E	28	From 2014-02-01
Marsite Station Guzelkoy	MAR3	Turkey	40.7432N	27.2945E	243	From 2014-02-01
Marsite Station Kirazli	MAR6	Turkey	40.7041N	27.2653E	334	From 2014-02-01
Marsite Station Marmara Adasi	MAR9	Turkey	40.6196N	27.7020E	99	From 2014-02-01
Marsite Station Mursalli	MAR7	Turkey	40.7281N	27.2353E	342	From 2014-02-01
Marsite Station Ucmakdere	MAR5	Turkey	40.7954N	27.3660E	104	From 2014-02-01
Marston	MARMO	Missouri,U.S.A.	36.5300N	89.6690W	82	
Martakert	MTKZ	Armenia	40.2000N	46.8200E	480	From 1998-01-01
Martiadasi	MRTI	Turkey	40.8196N	29.1127E	26	From 2009-05-25
Martigny, Rue dOctodure	SMAO	Switzerland	46.0988N	7.0748E	475	From 2012-03-01
Martimbang	MARI	Sumatera,Indonesia	1.9603N	98.9681E	1680	
Martinez Indian Reservation	MIRC	California,U.S.A.	33.4162N	116.0810W	91	
MARTIN GARCIA	MGBA	Buenos Aires,Argentina	34.1875S	58.2563W	27	From 1994-04-08
Martinsdale	E17A	Montana,U.S.A.	46.4620N	110.8576W	1835	From 2007-09-13 to 2009-09-07
Martinsville	P47A	Indiana,U.S.A.	39.4869N	86.2692W	246	From 2011-10-19
Martis Peak	MPK	California,U.S.A.	39.2957N	120.0300W	2484	From 1973-04-01
Martos, Jaen	E024	Spain	37.7225N	3.9241W	1239	From 2007-07-02 to 2009-06-24
Martuni	MTNZ	Armenia	39.7970N	47.1140E	400	From 1998-01-01
Martvili	MARV	Georgia,Georgia	42.4100N	42.3800E	190	
Marumori	JMM	Miyagi,Japan	37.8660N	140.7930E	100	
Maruseppu	JMP	Abashiri,Japan	44.0070N	143.3597E	460	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Marvell	X43A	Arkansas,U.S.A.	34.5180N	90.8812W	53	From 2011-05-18
Marv??o	PMRV	Portugal	39.4283N	7.3917W	430	From 2007-07-01
Mary	MRY	Turkmenistan	37.6000N	61.8667E		
Mary Lake	YML	Wyoming,U.S.A.	44.6053N	110.6432W	2653	
Mary Lake	YPML	Wyoming,U.S.A.	44.6028N	110.6063W	2519	
Maryland--Naval Ordinance Lab	NLM	Maryland,U.S.A.	39.0324N	76.9805W	114	From 1962-01-01 to 1972-12-31
Mary Lane Ranch, Marfa	526A	Texas,U.S.A.	30.0609N	104.0898W	1405	From 2008-03-05 to 2010-02-09
Marymoor Park	MARYW	Washington,U.S.A.	47.6625N	122.1211W	11	
Mary River	MRYN	Northwest Territories,Canada	71.3328N	79.3795W	0	From 2011-08-01
Mary's Peak	MPOR	Oregon,U.S.A.	44.5048N	123.5500W	1249	From 1990-08-01
Marysvale	MVU	Utah,U.S.A.	38.5037N	112.2123W	2239	
Marysvale	MSU	Utah,U.S.A.	38.5123N	112.1772W	2105	From 1975-11-01
Marysville	MV-CL	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Marysville	MV-	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Maryville	MVLT	Tennessee,U.S.A.	35.7340N	83.9420W		From 1984-01-29
Maryville College	MVMO	Missouri,U.S.A.	38.6465N	90.5009W	183	
Masachapa	MCH	Nicaragua	11.8747N	86.5287W	147	From 1975-01-01
Masada	MZBI	Israel	31.3126N	35.3580E	-316	From 2010-06-27
Masada	MZDA	Israel	31.3096N	35.3628E	-275	From 1991-05-01
Masada	MSDA	Israel	31.3200N	35.2900E	400	
Masamba	MSSI	Sulawesi,Indonesia	2.5547S	120.3241E	111	From 2005-01-01
Masan	KSMAS	Republic of Korea	35.1706N	128.5725E	78	From 2000-12-05
Masaya	MASN	Nicaragua	11.9873N	86.1513W	500	
Masbate	MMPH	Luzon,Philippines	12.3580N	123.6240E	11	
Masc	MASC	Cuba	20.1750N	74.2310W		
Mascalucia	SMET	Italy	37.5784N	15.0547E	599	From 2008-02-06
Mas de Barberans	CMAS	Spain	40.7267N	0.3150E	530	From 2006-04-01
Mash'abbe Sade	MASH	Israel	30.9960N	34.7850E	365	
Mashad	ISRO	Iran	36.3088N	59.4703E	1050	From 2007-03-01
Mashad	MHI	Iran	36.3088N	59.4703E	1150	From 1975-09-15
Mashhad	MSH	Iran	36.3111N	59.5878E	987	From 1965-09-17 to 1975-09-06
Mashhad (SRO)	MAIO	Iran	36.3083N	59.4717E	1150	From 1975-10-01
Mashhad University	MUI	Iran	36.3117N	59.6050E	1000	From 1972-01-01
Mashibuluo	MASBT	Taiwan region	22.6119N	120.6328E	139	From 2007-11-02
Masjed Soleyman	MSHA	Iran	31.9000N	49.3000E		
Maskali	MKL	Djibouti	11.7123N	43.1498E	5	
Masohi	MSAI	Moluccas,Indonesia	3.3461S	128.9285E	82	From 2005-01-01
Mason Butte	MAS	Idaho,U.S.A.	46.6327N	116.3580W	1141	From 1971-10-01 to 1976-01-14
Masonville	G60A	Quebec,Canada	45.0977N	72.3337W	391	From 2013-08-10
Massa Finalese, Finale Emilia (MO)	T0800	Italy	44.8486N	11.2479E	8	From 2012-05-21 to 2012-09-11
Massa Finalese, Finale Emilia (MO)	T0813	Italy	44.8778N	11.1992E	0	From 2012-05-20 to 2013-04-05
Massafra	MASS	Italy	40.6333N	17.1445E	274	
Massena	MSNY	New York,U.S.A.	44.9983N	74.8620W	55	From 1977-02-01
Masseria Cannata	ECAN	Sicily,Italy	37.8880N	14.9100E	1140	From 1994-10-01
Masset	MSTB	British Columbia,Canada	54.0033N	132.1180W	91	From 1987-12-04
Masset	MASB	British Columbia,Canada	54.0150N	132.0230W	15	
Mastiano	MAIM	Italy	43.9142N	10.4915E	210	From 2000-09-01
Masuda	JMD	Shimane,Japan	34.6317N	131.8933E	260	
Masugnsbyn	MASU	Sweden	67.4569N	21.9983E	500	From 2003-11-19
Masuku	MSKU	Gabon	1.6557S	13.6116E	287	
Maswa Reserve	MKAO	Tanzania,United Republic of Tanzania	3.4083S	34.7412E	1533	
Matagalpa	MATN	Nicaragua	12.9298N	85.9255W	869	From 2011-04-01
Matagami	MATQ	Quebec,Canada	49.7589N	77.6376W	280	From 2007-09-19
Matakaoa Point	MXZ	North Island,New Zealand	37.5623S	178.3066E	106	From 2004-02-19
Matam	MMS	Senegal	15.6167N	13.3333W	50	
Mataram	KLNI	Lombok,Indonesia	8.4219S	116.0949E	99	
Mataram	MTNI	Lombok,Indonesia	8.6360S	116.1707E	108	From 2005-01-01
Matarih	MATL	Lebanon	33.4887N	35.3297E	5	From 2000-11-01
Matatall Enterprise, Big Sandy	138A	Texas,U.S.A.	32.6604N	95.0887W	143	From 2010-02-22 to 2012-01-29
Matau	MTUR	Romania	45.2261N	25.0630E	1018	From 1988-08-01
Matawai	MWZ	North Island,New Zealand	38.3340S	177.5278E	573	From 2004-02-18
Matea Rd	MRHZ	North Island,New Zealand	38.8337S	176.4174E	715	From 2010-05-14
Mateiros - TO	RET12	Tocantins,Brazil	10.5162S	46.4495W	518	From 2011-08-07
Matelica	MTL1	Italy	43.2567N	13.0096E	353	From 2011-04-05
Matera	MATE	Italy	40.6493N	16.7047E	0	From 2007-04-24
Mathat	MATF	Poitou-Charentes,France	45.8308N	0.2883W	30	
Mathiatis	CSS	Cyprus	34.9622N	33.3306E	396	From 1984-07-26
Mati	MATI	Luzon,Philippines	6.9460N	126.2570E	120	
Matias Romero	CMIG	Oaxaca,Mexico	17.0910N	94.8840W	200	
Matka	MYG	FYR Macedonia	41.9567N	21.3008E	306	From 1969-01-01
Matopo	MATP	Zimbabwe	20.4258S	28.4994E	1215	
Matouba	MBG	Guadeloupe,France	16.0481N	61.6839W	830	
Matruh	MATC	Egypt	31.3457N	27.2305E	30	
Matruh	HMAT	Egypt	31.0940N	27.0964E	245	
Matruh	MAT1	Egypt	31.3450N	27.2340E	55	
Matshushiro Site	MJ00	Nagano,Japan	36.5427N	138.2070E	406	
Matsu	MTST	Taiwan region	26.0900N	119.5600E	113	
Ma-tsu	MATB	Taiwan region	26.1515N	119.9456E	75	
Matsu Arr-Jizo	MJA0	Nagano,Japan	36.5427N	138.2472E	629	
Matsu-Daira	MJB3	Nagano,Japan	36.4847N	138.2944E	848	
Matsue	MTS	Shimane,Japan	35.4550N	133.0720E	18	
Matsu-Inaba	MJB8	Nagano,Japan	36.5214N	138.2099E	729	
Matsu-Irikaruiz	MJB6	Nagano,Japan	36.4712N	138.2507E	762	
Matsu-Jizotouge	MJA4	Nagano,Japan	36.5115N	138.2422E	997	
Matsula	MTSE	Estonia	58.7144N	23.8146E	3	From 2006-08-07
Matsumoto	MTMJ	Nagano,Japan	36.5850N	137.8050E	929	From 1978-01-01
Matsumoto	MTM	Nagano,Japan	36.2433N	137.9730E	610	
Matsumotoyama	MATH	Iburi,Japan	42.5489N	140.8683E	120	
Matsu-Nakagumi	MJB4	Nagano,Japan	36.4677N	138.2816E	736	
Matsu-Nakaone	MJA2	Nagano,Japan	36.5241N	138.2656E	1126	
Matsushiro	MAJO	Nagano,Japan	36.5427N	138.2070E	405	From 1977-06-30
Matsushiro	MAT	Nagano,Japan	36.5427N	138.2070E	406	From 1947-05-01
Matsushiro Array Beam Reference Point	MJAR	Nagano,Japan	36.5417N	138.2090E	422	
Matsushiro Array Site 0	MAT0	Nagano,Japan	36.5417N	138.2067E	407	
Matsushiro Array Site 1	MJ01	Nagano,Japan	36.5599N	138.2419E	598	
Matsushiro Array Site 2	MJ02	Nagano,Japan	36.5393N	138.3193E	1230	
Matsushiro Array Site 4	MJ04	Nagano,Japan	36.4681N	138.2538E	760	
Matsushiro Array Site 4	MJ03	Nagano,Japan	36.4816N	138.2976E	837	
Matsushiro Array Site 5	MJ05	Nagano,Japan	36.4867N	138.2139E	960	
Matsushiro Array Site 6	MJ06	Nagano,Japan	36.5216N	138.2503E	616	
Matsu-Soehiyama	MJA3	Nagano,Japan	36.4956N	138.2467E	886	
Matsu-Sugadaira	MJB2	Nagano,Japan	36.5423N	138.3160E	1255	
Matsu-Takimoto	MJB1	Nagano,Japan	36.5630N	138.2387E	611	
Matsu-Toyosaka	MJA1	Nagano,Japan	36.5338N	138.2523E	630	
Matsu-Tunnel	MJB9	Nagano,Japan	36.5458N	138.2039E	454	
Matsu-Wadaira	MJB7	Nagano,Japan	36.4898N	138.2108E	997	
Matsuyama	MTY	Ehime,Japan	33.8400N	132.7800E	34	
Matsu-Yatsubo	MJB5	Nagano,Japan	36.4824N	138.2575E	803	
Mattawa	MW-	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	MW-ON	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	E52A	Ontario,Canada	46.2851N	78.6569W	252	From 2012-11-07
Matthews	MATM	Missouri,U.S.A.	36.7743N	89.6046W	86	
Mattituck	N63A	New York,U.S.A.	40.9878N	72.5206W	8	From 2013-09-10
Mattmark	MMK	Switzerland	46.0505N	7.9640E	2210	From 1981-01-07
Matua	MAU	Sakhalinskaya Oblast',Russia	48.0600N	153.2500E	20	
Matupit	MIP	New Britain,Papua New Guinea	4.2433S	152.1900E	2	
Matupit Island	MPT	New Britain,Papua New Guinea	4.2437S	152.1900E	2	
Matura	TTR	Trinidad and Tobago	10.6740N	61.0660W	46	From 1984-07-01
Mauborget	MAUBO	Switzerland	46.8606N	6.6193E	1281	From 2011-11-21
Maui	MAUI	Hawaii,U.S.A.	20.7684N	156.2448W	2060	
Maumere	MMRI	Flores,Indonesia	8.6357S	122.2376E	137	From 2006-11-01
Mauna Kea	MKH	Hawaii,U.S.A.	19.8267N	155.4720W		From 1975-01-01 to 1999-08-25
Mauna Loa	MLH	Hawaii,U.S.A.	19.4940N	155.3860W	2010	From 1958-07-01
Mauna Loa 2	MLX	Hawaii,U.S.A.	19.4600N	155.3450W	1475	From 1966-09-21
Mauna Loa Observatory	MLOA	Hawaii,U.S.A.	19.5360N	155.5760W	3399	
Maungaku	MGZ	North Island,New Zealand	39.0002S	175.5390E	806	From 1984-04-03 to 2005-05-13
Maungataniwha	MTHZ	North Island,New Zealand	38.8523S	176.8411E	620	From 2011-10-20
Maupin	VMNM	Oregon,U.S.A.	45.1868N	121.0530W	555	
Maura Aman, Bengkulu	MASI	Sumatera,Indonesia	3.1415S	102.2396E	384	From 2008-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Maura Dua	MDSI	Sumatera,Indonesia	4.4861S	104.1783E	0	From 2007-12-01
Mauren, Feuerwehr, FL	SMAF	Switzerland	47.2100N	9.5463E	440	From 2014-10-15
Maurine	G26A	South Dakota,U.S.A.	45.2937N	102.5990W	833	From 2009-07-09 to 2011-05-26
Mauritius Island	MRI	Mauritius	20.1000S	57.5300E		
Mauritius Meteorological Services (Vacoas)	MRIV	Mauritius	20.2980S	57.4970E	424	From 2007-01-15
Mausoleum Waldhaus Greiz	GRZ1	Thuringen,Germany	50.6924N	12.2196E	203	From 2012-01-16
Mavora Lakes	MLZ	South Island,New Zealand	45.3665S	168.1184E	594	From 1996-03-09
Mavrovouni	MVOU	Cyprus	35.0160N	33.6320E	113	From 2013-07-01
Mawana Gate	MWG1	Botswana	19.6300S	23.8200E	962	From 2001-01-01 to 2100-12-31
Mawashi	MWS	Ryukyu Islands,Japan	26.2333N	127.6830E	25	
Mawson	MAW	Mac Robertson Land	67.6039S	62.8706E	12	From 1956-01-01
Maxey Ranch	PMRM	California,U.S.A.	35.7848N	120.2360W	512	
Maxfield	G64A	Maine,U.S.A.	45.2527N	68.7558W	165	From 2013-09-22
Maximikha	MXMB	Buryatiya,Russia	53.2630N	108.7450E	510	From 1997-10-01
Mayabunder	MYB	Andaman Islands,India	12.5246N	92.5539E	44	From 2012-01-01
Mayacamas Mountains	GMMM	California,U.S.A.	38.8382N	122.7988W	963	
Mayadein	HMYD	Egypt	29.7958N	30.8009E	275	
Mayaguez	MPR	Puerto Rico	18.2117N	67.1398W	22	From 1973-01-01
Mayak Korsakovskie (Korsakov)	KRS4	Sakhalinskaya Oblast',Russia	46.6097N	142.8011E	100	From 2003-01-01
Mayak na Mysu Ozernom	MAYS	Kamchatskaya Oblast',Russia	57.7200N	163.3100E	10	From 1969-12-01 to 1970-01-01
Maychil	PT20	Peru	6.5190S	79.1860W	1180	
Mayfield	MAY	Washington,U.S.A.	46.0833N	122.0830W		
May Junction 2	MJ2	Washington,U.S.A.	46.5575N	119.3590W	146	From 1989-03-13
Maynard	MAYB	British Columbia,Canada	50.4025N	127.1720W	1414	From 1994-09-02
Mayon Resthouse	VMR	Luzon,Philippines	13.2800N	123.6710E	800	
Mayorazgo	MAYR	Peru	12.0550S	76.9440W	320	
Mayor Island	MYRZ	North Island,New Zealand	37.2802S	176.2410E	356	From 2004-05-24
Maysville	MVKY	Ohio,U.S.A.	38.6460N	83.7614W	213	
Mazaricos	EMAZ	Spain	42.9490N	8.9765W	405	
Mazatlaan	MAIG	Sinaloa,Mexico	23.1883N	106.4244W	10	
Mazatlan	MZX	Sinaloa,Mexico	23.2008N	106.4253W	10	
Mazatlan	MAZ	Sinaloa,Mexico	23.1881N	106.4061W	65	
Maze	MZE	Gifu,Japan	35.8911N	137.1553E	590	
Mazenod Senior College, Perth	AUMAZ	West Australia,Australia	32.0100S	116.0400E	263	From 2013-09-09
Mazidag	MAZI	Turkey	37.4593N	40.4467E	1212	From 2009-06-29
Mazie Landing	MZO	Oklahoma,U.S.A.	36.1316N	95.3001W	182	From 1976-09-16 to 1978-06-16
Mazirat	MAF	Auvergne,France	46.2215N	2.5664E	470	From 1985-07-10
Mazirat	MZF	Auvergne,France	46.2156N	2.5839E	480	From 1971-01-01 to 1985-07-10
Mazon	MSON	Ecuador	1.4845S	78.4678W	3380	From 1992-12-10
Mazracia	MAZR	Egypt	27.9292N	33.9948E		
Mazsada	MDBI	Israel	31.3126N	35.3580E	550	From 2012-11-01
Mbarara	MBAR	Uganda	0.6019S	30.7382E	1390	
Mbeya	MBAT	Tanzania,United Republic of Tanzania	8.8740S	33.4528E	1780	From 1992-06-12
M'Bour	MBO	Senegal	14.3908N	16.9547W	3	
MBSI	MBSI	Sumatera,Indonesia	3.7611S	102.2710E	27	From 2006-12-01
Mbulu	MBUL	Tanzania,United Republic of Tanzania	3.8780S	35.5140E	1933	
McAdam 2	MCA2	New Brunswick,Canada	45.5921N	67.3127W	498	From 2012-03-17
McAdam 3	MCA3	New Brunswick,Canada	45.5870N	67.3367W	552	From 2012-03-17
McAdam 4	MCA4	New Brunswick,Canada	45.5980N	67.3260W	140	From 2012-04-26
McAlpin	555A	Florida,U.S.A.	30.1212N	82.9666W	29	From 2012-02-14
McAlpine Lake	MALO	Ontario,Canada	50.0244N	79.7635W	271	
McCarthy VSAT	MCARA	Alaska,U.S.A.	61.3841N	143.0219W	447	
Mcclaflin, Tower City	D31A	North Dakota,U.S.A.	47.0481N	97.7226W	359	From 2010-08-11 to 2012-06-21
McClaskey Farms, Geuda Springs	T34A	Kansas,U.S.A.	37.0222N	97.1883W	361	From 2010-05-05 to 2012-03-06
McCloud	M03C	California,U.S.A.	41.2742N	122.1220W	1047	From 2005-07-12 to 2007-11-13
McCloud Flat S	MFSM	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McCloud Flat South	MFS	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McClure	MCIL	Illinois,U.S.A.	37.2965N	89.4984W	115	
McComb	MB-	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McComb	MB-MS	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McCrory	MY-	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McCrory	MY-AR	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McDonald Obs.	MOT2	Texas,U.S.A.	30.8990N	105.0800W	2088	
McDonald Obs.	MOT4	Texas,U.S.A.	30.2730N	104.5700W	1469	
McDonald Obs.	MOT3	Texas,U.S.A.	30.5419N	104.6580W	1481	
McDonald Obs.	MOT1	Texas,U.S.A.	30.9290N	104.3910W	1715	
McDonald Observatory	MOT	Texas,U.S.A.	30.6797N	104.0080W	2020	From 1975-08-01
McDonald Observatory, Fort Davis	426A	Texas,U.S.A.	30.6689N	104.0293W	1943	From 2008-03-12 to 2010-02-09
McDonald Ranch, Hollis	X31A	Oklahoma,U.S.A.	34.6309N	99.9793W	514	From 2009-03-19 to 2011-02-14
McDuffie Farm, Elizabethtown	X59A	North Carolina,U.S.A.	34.5720N	78.6023W	29	From 2013-02-10
McGee Canyon	MGNR	California,U.S.A.	37.8131N	118.6963W	2464	
McGee Creek	MGCB	British Columbia,Canada	48.6317N	123.6808W	236	
McGill	P12A	Nevada,U.S.A.	39.4731N	114.9075W	1878	From 2006-05-30 to 2008-09-02
McGinn's Farm, Dalton	N52A	Ohio,U.S.A.	40.8125N	81.6876W	331	From 2013-01-15
McGregor	E36A	Minnesota,U.S.A.	46.5177N	93.2557W	393	From 2010-10-17 to 2012-07-29
McKendrick Lake	KLN	New Brunswick,Canada	46.8433N	66.3717W	411	
McKenzie Canyon	MCMT	Montana,U.S.A.	44.8277N	112.8490W	2323	From 1989-09-14
McKinley	MCK	Alaska,U.S.A.	63.7323N	148.9349W	618	From 1964-12-01
McKinley Avenue, Clintonville	WI01	Wisconsin,U.S.A.	44.6325N	88.7495W	255	
McKinney Farm, Littlefield	Y28A	Texas,U.S.A.	33.9086N	102.2479W	1068	From 2009-01-26 to 2010-11-16
McLaughlin	F28A	South Dakota,U.S.A.	45.8485N	100.8005W	633	From 2009-08-21 to 2011-05-06
McLaughlin Mine	HOME	California,U.S.A.	38.8800N	122.4600W	0	
McLaughlin Mine	MNRC	California,U.S.A.	38.8787N	122.4428W	709	From 2003-06-19
McLaughlin Ranch	GMCM	California,U.S.A.	38.7927N	123.1300W	439	From 1975-05-07
McManaman Lake, Nunavut	MCMN	Nunavut,Canada	63.3043N	92.2977W	46	From 2010-08-04
McMillan Canyon	PMCM	California,U.S.A.	35.7247N	120.3710W	488	
McMinnville	MM-TN	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville	V49A	Tennessee,U.S.A.	35.7663N	85.9030W	329	From 2012-05-06
McMinnville	MM-	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville, OR	G03D	Oregon,U.S.A.	45.2115N	123.2641W	222	From 2009-10-24
McMurdo Sound	MCM	Victoria Land	77.8333S	166.6000E	25	
McNeil Island	MEW	Washington,U.S.A.	47.2019N	122.6460W	98	From 1985-03-01
McNeill Hill	MCHZ	North Island,New Zealand	39.4442S	176.6967E	291	From 2008-05-27
McNeil River	MCNL	Alaska,U.S.A.	59.1852N	154.3370W	442	From 1981-08-22
McNeil River	MCL	Alaska,U.S.A.	59.1027N	154.2000W	273	From 1975-01-01 to 1981-08-16
McPhails Peak	BMCM	California,U.S.A.	36.6567N	121.3650W	1022	From 1975-01-26
Mcpherson Peak, Los Olivos	PKM	California,U.S.A.	34.8885N	119.8136W	1739	From 1976-08-01
McQueen's Valley	MQZ	South Island,New Zealand	43.7061S	172.6538E	57	From 1989-10-13
McRoberts Ranch, Bridgeport	M26A	Nebraska,U.S.A.	41.4661N	103.1427W	1348	From 2008-12-06 to 2010-10-08
MD31	MD31	Morocco	32.8670N	4.7590W	900	
Me@15rida	MYIG	California,U.S.A.	20.9581N	89.7396W	13	
Meade Ranch, Gillette	I23A	Wyoming,U.S.A.	43.9605N	105.4629W	1462	From 2008-10-16 to 2010-09-10
Meadow Creek Golf Course	MGU	Utah,U.S.A.	40.6815N	111.9180W	1291	From 1993-06-24
Meangora	MEG	New South Wales,Australia	35.1006S	150.0370E	712	From 1978-05-17 to 2007-08-29
Meany Midle School ANSS-SMO	MEAN	Washington,U.S.A.	47.6225N	122.3064W	37	From 2002-02-19
Mecca Hills	MECC	California,U.S.A.	33.6353N	116.0280W	495	
Mechanicsville	S59A	Virginia,U.S.A.	37.7620N	77.2942W	40	From 2013-04-12
Mechernich	MEC	Nordrhein-Westfalen,Germany	50.6000N	6.6667E		
Meda	MEDT	Tunisia	34.1082N	9.9203E	90	
Medan	MED	Sumatera,Indonesia	3.5500N	98.6833E	32	
Medea	AMDA	Algeria	36.2600N	2.7100E	1059	
Medea	MEB	Algeria	36.3030N	2.7300E	500	
Medellin	MEDC	Colombia	6.2028N	75.5808W	1518	
Medeo	MDOK	Kazakhstan	43.1631N	77.0481E	1590	From 1995-01-01
Medford	MF-WS	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medford	MF-	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medias	MDB	Romania	46.1417N	24.3806E	375	From 1979-01-01
Medicine Creek Dam	MKN	Nebraska,U.S.A.	40.3739N	100.2250W	732	From 1979-03-01 to 2001-07-15
Medicine Hat	MEDA	Alberta,Canada	49.9815N	110.7424W	721	From 2009-10-14
Medicine Lake	LMDM	California,U.S.A.	41.5730N	121.6230W	2140	
Medina	MEDY	New York,U.S.A.	43.1818N	78.3903W	186	From 1978-12-01 to 2002-12-20
Medina	MEDO	New York,U.S.A.	43.1646N	78.4546W	190	From 2004-05-07
Medio Mundo	MMO	Nicaragua	11.8942N	86.0150W	480	From 1975-01-01
Mednyi	MEDS	Kamchatskaya Oblast',Russia	54.7860N	167.5560E	150	From 1973-01-01 to 1975-12-31
Medolla (MO)	MIR01	Italy	44.8440N	11.0711E	20	From 2012-05-24
Meekatharra	MEKA	Western Australia,Australia	26.6142S	118.5360E	390	From 1986-05-01 to 1991-06-16
Meekatharra	MEEK	Western Australia,Australia	26.6376S	118.6135E	529	From 1992-06-03
Meekatharra	MEK	Western Australia,Australia	26.6128S	118.5450E	515	
Meers	MEO	Oklahoma,U.S.A.	34.7835N	98.5846W	465	From 1985-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Meers Fault	MFO	Oklahoma,U.S.A.	34.8212N	98.5296W	451	From 1984-04-20 to 1985-05-31
Meerut	MERT	Uttar Pradesh	28.9720N	77.7340E	0	From 2015-07-01
Meerut	MEE	Uttar Pradesh,India	28.9167N	77.6667E	220	
Meeteetse	I19A	Wyoming,U.S.A.	44.0363N	108.9943W	1982	From 2008-08-12 to 2010-09-14
Megalopolis	MGP1	Greece	37.4019N	22.1386E	431	From 2011-10-01
Meganis¸"	MGNA	Greece	38.6561N	20.7912E	58	From 2010-12-01
Megha	MEGN	Nepal	28.7100N	82.3400E	2740	
Megler CREST BB SMO	MEGW	Washington,U.S.A.	46.2661N	123.8771W	351	From 2001-11-16
Megri	MGRZ	Armenia	38.9000N	46.2400E	0	
Mehetia	MEH	Society Islands,French Polynesia	17.8753S	148.0661W	300	
Mehriz	IMEH	Iran	31.3902N	54.6130E	2130	From 1998-10-01
Mei-Ami	MAMI	Israel	32.5000N	35.1500E	460	
Meikle Cairn	MME1	Scotland,United Kingdom	57.3149N	2.9647W	475	From 1981-01-01
Meishan	TWO1	Taiwan region	23.5705N	120.5946E	231	From 1976-08-20
Meishan	TWO	Taiwan region	23.5761N	120.5490E	180	From 1972-09-10
Meitler Ranch, Lucas	Q32A	Kansas,U.S.A.	38.9908N	98.5596W	526	From 2009-10-20 to 2011-08-24
Mejillones	MECH	Antofagasta,Chile	23.1038S	70.4483W	18	From 2007-11-16
Mejillones	MEJI	Antofagasta,Chile	23.0997S	70.4953W	500	
Melanico ??? S. Croce di Magliano	MELA	Italy	41.7059N	15.1270E	115	From 2008-04-23
Melbourne	MEL	Victoria,Australia	37.8314S	144.9733E	28	From 1902-01-01
Meldola (FC)	AD01	Italy	44.0583N	12.0975E	284	From 2010-03-31
Melhnausar	IMEL	Iceland	65.5700N	16.6573W	370	From 2009-09-30
Melilla	EMEL	Spain	35.3000N	2.9567W	85	From 1988-02-01 to 1999-01-31
Melilla	MELI	Spain	35.2938N	2.9350W	5	
Melilla	EMLI	Morocco	35.3000N	2.9500W	0	From 2002-06-21
Melilli	MEI	Sicily,Italy	37.1806N	15.1300E		
Mellen	E39A	Wisconsin,U.S.A.	46.3777N	90.5557W	426	From 2011-09-07 to 2013-06-08
Melles	MELF	Midi-Pyrenees,France	42.8727N	0.7592E	940	From 1997-10-08
Melrose High School	AUMHS	Australian Capital Territory,Australia	35.3600S	149.0900E	615	From 2011-05-04
Mels	MELS	Switzerland	47.0484N	9.3826E	1060	
Mely	MLYF	Provence-Cote d'Azur,France	43.9880N	5.7670E	765	From 2010-07-13
Membach	MEM	Belgium	50.6092N	6.0066E	250	
Memphis	MPH	Tennessee,U.S.A.	35.1230N	89.9320W	94	From 1978-09-21 to 1983-01-10
Memphis--Engineering Building	MET	Tennessee,U.S.A.	35.1220N	89.9340W	93	From 1973-11-13
Menan Buttes	MBI	Idaho,U.S.A.	43.7864N	111.9710W	1707	From 1973-09-01 to 1974-07-31
Menard	432A	Texas,U.S.A.	30.8755N	99.7937W	647	From 2009-02-17 to 2011-01-24
Menbuxiang, Xizang Zizhiqu	MNBU	Xizang Zizhiqu,China	28.7558N	86.1610E	4500	From 2002-07-18 to 2002-11-05
Mencas	MENF	Picardie,France	50.5582N	2.1550E	100	
Mendeleevo	MNDR	Sakhalinskaya Oblast',Russia	43.9716N	145.6934E	220	From 2011-09-20
Mendi	MNDI	Papua New Guinea	6.1550S	143.6580E	1800	From 1985-08-28
Mendips	SMD	England,United Kingdom	51.3083N	2.7170W	310	
Mendoza	MEN	Mendoza,Argentina	32.9050S	68.8642W	287	
Mendoza	MDZ	Mendoza,Argentina	32.8833S	68.8500W	826	From 1968-03-07
Mendum Tagoi	MENI	Irian Jaya,Indonesia	2.5103S	140.4170E	300	
Menemeni	TMN1	Greece	40.6574N	22.9058E	85	From 2008-09-30
Menerdue Farm	CME	England,United Kingdom	50.1760N	5.1903W	178	From 1982-01-01 to 1994-05-31
Mengen	MGN	Turkey	40.9248N	32.1812E	720	From 1970-08-01 to 1982-07-10
Menlo Park	LT7	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Park	JMPM	California,U.S.A.	37.4556N	122.1660W	17	
Menlo Park	MOB	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Mentasta	MENT	Alaska,U.S.A.	62.9381N	143.7194W	702	
Menton	MENA	Provence-Cote d'Azur,France	43.7840N	7.4890E	210	From 1999-02-09
Mentor	CMEN	Ohio,U.S.A.	41.6840N	81.4040W	188	
Menzel Bouzelfa	MBZ	Tunisia	36.6800N	10.6700E	220	
Meolans	OG27	Rhone-Alpes,France	44.3932N	6.5085E	1393	From 1991-04-17
Mera	TMS	Chiba,Japan	34.9200N	139.8280E	13	
Merapi	MRP	Jawa,Indonesia	7.4000S	110.2670E		
Merate	MERA	Italy	45.6725N	9.4182E	350	From 2005-10-25
Merauke	MMPI	Irian Jaya,Indonesia	8.4667S	140.3833E	8	
Mercadel, El Hierro	CMCL	Canary Islands,Spain	27.7130N	18.0199W	1105	From 2011-07-01
Merced	S05C	California,U.S.A.	37.3460N	120.3296W	85	From 2005-04-18 to 2007-12-08
Mercer	MCR	Alaska,U.S.A.	63.8952N	149.0590W	456	From 1971-09-01 to 1975-07-31
Mercer Eighty, Eskridge	Q35A	Kansas,U.S.A.	38.8586N	96.0368W	402	From 2010-05-12 to 2012-03-10
Mercury	MCN	Nevada,U.S.A.	36.9315N	116.0560W		
Mercury	MCY	Nevada,U.S.A.	36.6620N	115.9621W	1308	From 1980-03-07 to 2002-10-10
Mercury	MCV	Nevada,U.S.A.	36.6335N	116.0000W	1158	From 1971-01-01 to 1979-08-31
Mercy Hot Springs	BMSM	California,U.S.A.	36.6580N	120.7940W	769	From 1973-12-06
Merida	MER	Yucatan,Mexico	20.9475N	89.6164W	7	
Meridian	MRO	Oklahoma,U.S.A.	35.8356N	97.2265W	294	From 1978-03-16 to 1982-09-04
Merijarvi	OUF	Finland	64.3673N	24.7314E	95	From 2011-01-10
Meriville Lake	BMRO	Ontario,Canada	44.5952N	81.2174W	178	From 2007-08-02
Merke	MRKS	Kazakhstan	42.7450N	73.2260E	1160	From 2002-11-26
Merkhyat	MRKH	Sudan	15.7010N	32.3670E	446	From 2003-11-01
Merouana	CMER	Algeria	35.6200N	5.9000E	1020	
Merrill Creek	PEMC	New Jersey,U.S.A.	40.7580N	75.0760W	305	
Merrill Creek	FHMC	New Jersey,U.S.A.	40.7510N	75.0400W	256	
Merrill Creek	PMMC	New Jersey,U.S.A.	40.6410N	75.1230W	152	
Merrill Creek	ABMC	New Jersey,U.S.A.	40.6860N	75.0540W	170	
Merrill Creek	PDMC	New Jersey,U.S.A.	40.7560N	75.1170W	232	
Merrill Creek	EPMC	New Jersey,U.S.A.	40.6580N	75.1900W	140	
Merrill Creek	PFMC	New Jersey,U.S.A.	40.7250N	75.1550W	220	
Merrill Creek	HRMC	New Jersey,U.S.A.	40.7230N	75.0890W	295	
Merritt	ME-BC	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Merritt	ME-	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Mersa Alam	EMRS	Egypt	25.0131N	34.8387E	213	From 2003-06-20
Mersin	DED	Turkey	36.9614N	34.7993E	479	From 2007-02-10
Mersin	MERS	Turkey	36.8677N	34.5222E	802	From 2005-08-23
Mersin	KIZK	Turkey	36.4803N	34.1437E	165	From 2009-06-10
MERSIN_Gulnar	GULN	Turkey	36.1837N	33.5436E	145	From 2011-10-06
Mertquake, Salem	N40A	Iowa,U.S.A.	40.8841N	91.5837W	208	From 2011-08-24
Mertzon	330A	Texas,U.S.A.	31.4063N	101.1752W	742	From 2009-03-04 to 2011-02-07
Meru	MERK	Kenya	0.1925S	37.8095E	920	From 1997-12-01
Merzbaher-Enilchek	MRZ1	Kyrgyzstan	42.2246N	79.8597E	3354	From 2011-08-01
MESA	MESA	Alaska,U.S.A.	60.1790N	141.9485W	1919	
Mesachie Lake	B926	British Columbia,Canada	48.8202N	124.1312W	191	From 2007-11-12
Mesa Falls	YPMF	Idaho,U.S.A.	44.1432N	111.2882W	1786	
Mesagne	MESG	Italy	40.5890N	17.8500E	78	From 2009-05-26
Mesa Lucero	MLM	New Mexico,U.S.A.	34.8144N	107.1450W	2088	From 1976-01-01
Mesa, Roswell	Y25A	New Mexico,U.S.A.	33.9229N	104.6928W	1364	From 2008-04-16 to 2010-03-07
Mesas	MESS	Costa Rica	10.7407N	85.1943W	677	From 2000-01-01
Mesa State College	MSCO	Colorado,U.S.A.	39.0794N	108.5546W	1387	
Mesa Verde	MVCO	Colorado,U.S.A.	37.2103N	108.4986W	2169	From 2006-04-18
Meseseni	MESR	Romania	47.1499N	22.9494E	306	From 2015-06-05
Mesquite Ranch, Deming	221A	New Mexico,U.S.A.	32.0094N	107.7782W	1277	From 2008-02-11 to 2010-01-18
Messejana	MESJ	Portugal	37.8400N	8.2200W	147	From 2007-07-04
Messina	MSNA	South Africa	22.3452S	30.0232E	600	
Messina ING	MSI	Sicily,Italy	38.2052N	15.5539E	55	From 1967-07-01
Messina Univ.	MES1	Sicily,Italy	38.1989N	15.5550E	45	
Messina University	MES	Sicily,Italy	38.1989N	15.5550E	45	
Messolongi	MSL1	Greece	38.3727N	21.4243E	14	From 2012-10-01
Messtetten	MSS	Baden-Wurttemberg,Germany	48.1783N	8.9615E	948	From 1933-01-01
Mesters Vig	MVG	Norway	72.2300N	23.9400E	0	From 2010-09-09
Mestia	MTIG	Georgia,Georgia	43.0417N	42.7723E	1395	From 1973-01-01
Met	MTZV	Vietnam	21.5480N	106.3420E	50	From 2002-01-01
Metahra	OMET	Algeria	35.3300N	0.7300W	400	From 2004-12-01
Meteo	MTEO	Georgia	42.6799N	44.5333E	3677	From 2014-08-22
Meteti	UPD2	Panama	8.5475N	78.0148W	86	From 2010-06-01
Methoni	MES2	Greece	36.8245N	21.7071E	52	From 2011-10-14
Metsahovi	MEF	Finland	60.2172N	24.3958E	55	
Metsamor	MCRS	Armenia	40.1883N	44.1383E	850	
Metsamor	METS	Armenia	40.1500N	44.0800E	850	
Metsovon	MEV	Greece	39.7850N	21.2289E	1500	
Mets Parni	METK	Armenia	40.8765N	44.1280E	2160	
Mettingen	NE34	Nordrhein-Westfalen,Germany	52.3110N	7.7710E	122	
Mettma DE	METMA	Baden-Wurttemberg,Germany	47.7121N	8.2529E	618	From 2012-03-06
Metzger Ranch, Havre	A18A	Montana,U.S.A.	48.9198N	109.8459W	804	From 2007-11-20 to 2009-09-03
Meulaboh, Aceh	MLSI	Sumatera,Indonesia	4.2668N	96.4040E	58	
Mexicali	MBIG	Baja California,Mexico	32.4072N	115.1981W	2	From 2008-03-01
Mexican Hat	T18A	Utah,U.S.A.	37.1364N	109.8741W	1297	From 2007-06-23 to 2009-03-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mexico City	MEX	Mexico D.F.,Mexico	19.3289N	99.1861W	2280	From 1978-06-01
Meydan	BMDN	Iran	33.6716N	48.8246E	1697	From 2013-09-10
Meyer Farm, Musselshell	E20A	Montana,U.S.A.	46.5038N	108.1301W	954	From 2008-08-09 to 2010-05-30
Meyer Farm, Vandalia	Q44A	Illinois,U.S.A.	38.9032N	89.0170W	164	From 2011-06-07 to 2013-04-15
Meyer Ranch, Chandler	V35A	Oklahoma,U.S.A.	35.7626N	96.8378W	280	From 2010-03-13 to 2012-02-20
Mezcala	MEIG	Guerrero,Mexico	17.9258N	99.6197W	808	From 2005-03-09
Mezhgor'ye	MEZ	Ukraine	48.5140N	23.5140E	440	
Mezontepec	IIZ	Mexico:State,Mexico	19.1875N	99.2413W	3430	
MHIT	MHIT	Flores,Indonesia	8.4500S	119.8900E	123	From 2008-01-01
MHTO	MHTO	Oman	20.9865N	57.9680E	101	
Miami	MIA	Florida,U.S.A.	25.9167N	80.3000W		From 1945-01-01 to 1956-12-31
Miami	IMYA	Iran	36.3416N	60.1017E	1684	From 1999-07-01
Miami Mountain	MMIM	California,U.S.A.	37.4196N	119.7438W	1288	
Miami Univ. Ecology Research Center	P49A	Ohio,U.S.A.	39.5342N	84.7164W	272	From 2012-06-29
Miandaros Cinnet	MIAN	Turkey	40.8183N	29.1117E	0	From 2009-01-01
Mianeh	MISD	Iran	37.3500N	47.6000E	0	
Miaoli	NMLH	Taiwan region	24.5372N	120.7910E	201	From 2011-01-05
Miaoli City	NML	Taiwan region	24.5650N	120.8260E	45	From 1999-08-04
Mica Creek	MCE	British Columbia,Canada	52.0033N	118.5620W	625	From 1977-06-04 to 1981-08-12
Mica Creek	MCC	British Columbia,Canada	52.0517N	118.5850W	578	
Michaelchurch	MCH1	Wales,United Kingdom	51.9974N	2.9983W	219	From 1978-01-01
Michelle Canyon Maxwell	MCMB1	British Columbia,Canada	52.8217N	123.8190W	1233	From 2007-11-22 to 2008-06-14
Michie	W46A	Tennessee,U.S.A.	35.1333N	88.3783W	145	From 2012-01-14
Michilla	MICH	Antofagasta,Chile	22.6780S	70.1875W	769	
Michilla	MIC	Antofagasta,Chile	22.7064S	70.2669W	100	
Michnevo	MHV	Moskovskaya Oblast',Russia	54.9595N	37.7664E	150	From 1995-05-01
Michoacan	ZEM	Michoacan,Mexico	18.7926N	102.1116W	200	
Michoacan	CBZM	Michoacan,Mexico	18.0150N	102.4050W		
Michoacan	BVTM	Michoacan,Mexico	18.8933N	102.2650W		
Micigliano	RM22	Italy	42.4445N	13.0488E	970	From 2009-04-10 to 2009-06-18
Middleborough	L64A	Massachusetts,U.S.A.	41.9359N	70.8391W	17	From 2013-09-12
Middleburg	MR-	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middleburg	MR-PA	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middlebury	MDV	Vermont,U.S.A.	43.9992N	73.1812W	134	From 1970-03-01
Middlebury College	MCVT	Vermont,U.S.A.	43.9537N	72.9918W	439	
Middle Cape	MMC	Alaska,U.S.A.	57.3333N	154.6350W	340	From 1971-08-01
Middle Mountain	MMNB	California,U.S.A.	35.9565N	120.4960W	385	
Middle Nowhere	ST39	Xizang Zizhiqu,China	33.7637N	88.4001E	5077	From 1998-07-12 to 1999-06-04
Middlesex	K56A	New York,U.S.A.	42.6981N	77.3244W	575	From 2013-08-18
Middlesex	V59A	North Carolina,U.S.A.	35.7649N	78.2394W	58	From 2013-03-12
Middlesmoor	MMY	England,United Kingdom	54.1758N	1.8689W	427	
Middleton Gardens	MGS	South Carolina,U.S.A.	32.8978N	80.1410W	9	From 1976-03-31
Middleton Island	MID	Alaska,U.S.A.	59.4278N	146.3390W	37	From 1964-04-10
Middleton Island	Q23K	Alaska,U.S.A.	59.4296N	146.3499W	46	From 2014-08-16
Middletown	NMTM	California,U.S.A.	38.8057N	122.4460W	422	From 1975-06-26
Midelt	MDT	Morocco	32.8140N	4.6070W	1000	
Midewin, Midewin Nat. Tallgrass Prairie	M44A	Illinois,U.S.A.	41.3882N	88.0432W	207	From 2011-10-21
Midland	I28A	South Dakota,U.S.A.	43.9996N	101.1692W	655	From 2009-06-13 to 2011-05-27
Mid-South CC	MCAR	Arkansas,U.S.A.	35.1449N	90.2225W	0	
Midway	251A	Alabama,U.S.A.	32.0929N	85.4090W	139	From 2012-01-24
Midway	MDW	Washington,U.S.A.	46.6132N	119.7610W	330	From 1969-03-01
Midway	MDY	Midway Islands,U.S.A.	28.2067N	177.3330W		From 1966-01-01 to 1970-12-31
Midway	MIDW	Midway Islands,U.S.A.	28.2157N	177.3697W	-75	
Midwest	J22A	Wyoming,U.S.A.	43.4126N	106.4785W	1587	From 2008-08-06 to 2010-09-07
Midwestern State University	MSUEL	Texas,U.S.A.	33.8735N	98.5195W	294	From 2004-02-07
Miekihoku	JKN2	Mie,Japan	34.2390N	136.2737E	80	From 2005-03-23
Miemihama	JMMH	Mie,Japan	33.8192N	136.0253E	75	From 2012-11-01
Miglionico	MIGL	Italy	40.6044N	16.4410E	440	From 2006-08-07
MIHALICIK	AUMIH	Turkey	39.8679N	31.4832E	1416	From 2010-02-05
Mihama	JFM	Kyoto,Japan	35.5283N	135.9833E	161	
Mihama	MHJ	Fukui,Japan	35.5306N	135.9789E	260	
Mijas	EMIJ	Spain	36.5645N	4.7727W	470	
Mikata	JMT	Hyogo,Japan	35.4433N	134.5350E	270	
Mikawa	MIKN	Aichi,Japan	34.7626N	137.4701E	76	
Mikawa	MKW	Hiroshima,Japan	34.6111N	133.1070E	320	From 1967-09-01
Mikazuki	MZT	Hyogo,Japan	34.9867N	134.4446E	200	
Mikes Peak	CMPM	California,U.S.A.	37.3577N	121.3183W	760	
Miki	JMIK	Hyogo,Japan	34.8070N	135.0538E	160	
Mikurajimanishikawa	JMKN	Tokyo,Japan	33.8923N	139.5907E	149	
Mila	MILA	New South Wales,Australia	37.0547S	149.1550E	785	From 2001-07-16
Milaca	F36A	Minnesota,U.S.A.	45.8618N	93.5241W	345	From 2010-09-11 to 2012-07-27
Milagra Ridge	JMGM	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagra Ridge	MGA	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagro-Astudillo	MILO	Ecuador	2.2792S	79.5557W	56	From 2012-07-13
Milagro (Transelectric)	AMIL	Ecuador	2.1350S	79.5947W	12	From 2012-05-26
Milan	L49A	Michigan,U.S.A.	42.1088N	83.7672W	230	From 2012-07-20
Milan	MILT	Tennessee,U.S.A.	35.8489N	88.7329W	146	From 1985-11-01
Milan	H62A	New Hampshire,U.S.A.	44.5743N	71.1559W	381	From 2013-09-19
Milan	MIL	Italy	45.4667N	9.1833E	124	
Milan	V21A	New Mexico,U.S.A.	35.8054N	107.6378W	2046	From 2008-02-18 to 2009-11-22
Milan	M41A	Illinois,U.S.A.	41.3750N	90.5422W	226	From 2011-07-31
Milano	MILN	Italy	45.4803N	9.2321E	125	From 2006-06-01
Milas	MLSB	Turkey	37.2953N	27.7765E	500	From 2003-09-16
Milazzo	MILZ	Sicily,Italy	38.2713N	15.2313E	0	From 1995-01-01
Mildenfurth	MLFH	Germany	50.7901N	12.0809E	212	From 2010-09-16
Mile High Drive	MHD	Utah,U.S.A.	40.6607N	111.8010W	1597	From 1990-10-04
Miles City	E22A	Montana,U.S.A.	46.4386N	105.9488W	784	From 2008-10-30 to 2010-08-05
Milestii Mici	MILM	Moldova	46.9186N	28.8127E	64	From 2009-12-22
Mileto	MLE	Italy	38.6000N	16.0500E	360	
Milford	Q61A	Delaware,U.S.A.	38.8799N	75.3256W	5	From 2013-05-28
Milford	MLF	Ohio,U.S.A.	39.1374N	84.2774W	238	From 1963-01-01
Milford	J35A	Iowa,U.S.A.	43.3655N	95.2078W	457	From 2010-07-29 to 2012-05-16
Milford North	MNU	Utah,U.S.A.	38.6197N	112.8470W	1664	From 1977-01-01
Milford Reservoir	MLK	Kansas,U.S.A.	39.1073N	96.8933W	386	From 1977-08-15
Milford Sound	MSZ	South Island,New Zealand	44.6733S	167.9264E	55	From 1966-03-03
Milimani	MILK	Kenya	0.1140S	34.7510E	1142	From 1997-02-01 to 1998-03-31
Military Pass	LMPM	California,U.S.A.	41.4883N	122.1620W	1865	
Milkovo	MLKS	Kamchatskaya Oblast',Russia	54.7000N	158.6300E	90	From 1962-01-01 to 1993-12-31
Milk River, Alberta	MKRVA	Alberta,Canada	49.1430N	111.7755W	961	From 2014-07-31
Milladeo Hill, Quello@15n	GO07	Chile	43.1142S	73.6644W	179	
Mill City	MILG	California,U.S.A.	37.6213N	118.9870W	2536	From 1981-07-01
Mill Creek	MLL	California,U.S.A.	34.0913N	116.9360W	1513	
Mill Creek, Sonoma County	NMCNC	California,U.S.A.	38.5909N	122.9129W	119	From 1988-03-23
Millendorf	BD03	Nordrhein-Westfalen,Germany	50.9917N	6.5570E	70	From 2001-01-01
Miller	BRSD	South Dakota,U.S.A.	44.4430N	98.9563W	519	From 2008-10-05 to 2010-06-29
Miller	SUSD	South Dakota,U.S.A.	44.4429N	98.9556W	520	From 2010-07-24
Miller Mountain	MILR	Nevada,U.S.A.	38.0247N	118.1868W	2030	
Miller Ranch	MT3	Texas,U.S.A.	30.5419N	104.6570W	1481	From 1977-06-01 to 2003-01-28
Miller Ranch, Amidon	E25A	North Dakota,U.S.A.	46.5009N	103.4013W	885	From 2009-06-11 to 2011-06-18
Millersview	332A	Texas,U.S.A.	31.3829N	99.7423W	513	From 2009-03-06 to 2011-01-25
Millersville	MVL	Pennsylvania,U.S.A.	39.9992N	76.3506W	91	
Millerton Lake Dam, Friant	T06C	California,U.S.A.	37.0069N	119.7089W	216	From 2004-12-06 to 2007-12-06
Millington	MLNT	Tennessee,U.S.A.	35.3340N	89.9300W	100	
Millom	LMI	England,United Kingdom	54.2206N	3.3070W	140	From 1989-01-01
Mills College	CMCM	California,U.S.A.	37.7813N	122.1760W	90	From 1971-07-20
Millsfield	MFTN	Tennessee,U.S.A.	36.1610N	89.3930W	113	
Milner Canyon	MLNR	California,U.S.A.	37.5937N	118.3437W	1780	
Milo	MIM	Maine,U.S.A.	45.2436N	69.0403W	140	From 1975-07-01 to 2004-10-14
Milos	MHL	Greece	36.6828N	24.3958E	400	
Milroy	N57A	Pennsylvania,U.S.A.	40.7556N	77.5509W	306	From 2013-05-13
Milroy	P48A	Indiana,U.S.A.	39.4605N	85.4258W	300	From 2012-06-25
Miltenberg	MILB	Germany	49.8285N	9.2926E	369	From 2015-03-17
Milton-Freewater	MFW	Oregon,U.S.A.	45.9030N	118.4060W	384	From 1971-10-01
Milwaukee	MLW	Wisconsin,U.S.A.	43.0333N	87.9167W	194	From 1909-01-01 to 1957-12-31
Mimaanabuki	JMAF	Tokushima,Japan	34.0433N	134.1517E	220	From 2012-07-01
Mina	MINR	Krasnoyarskiy Kray,Russia	54.9000N	94.2000E	510	
Mina	R08A	Nevada,U.S.A.	38.3489N	118.1064W	1419	From 2006-03-03 to 2008-03-24
Mina	MN-NV	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MN-	Nevada,U.S.A.	38.4361N	118.1481W	1524	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mina	MNA	Nevada,U.S.A.	38.4328N	118.1570W	1525	
Mina	MNV	Nevada,U.S.A.	38.4322N	118.1540W	1507	From 1970-05-26
Mina Array Beam Reference Point	NVAR	Nevada,U.S.A.	38.4296N	118.3036W	2041	
Mina Array Site 1	NV01	Nevada,U.S.A.	38.4296N	118.3035W	2029	
Mina Array Site 10	NV10	Nevada,U.S.A.	38.4488N	118.3194W	2133	
Mina Array Site 2	NV02	Nevada,U.S.A.	38.4374N	118.3049W	2094	
Mina Array Site 3	NV03	Nevada,U.S.A.	38.4279N	118.2937W	1978	
Mina Array Site 32	NV32	Nevada,U.S.A.	38.3342N	118.3003W	1836	
Mina Array Site 33	NV33	Nevada,U.S.A.	38.4858N	118.4238W	1946	
Mina Array Site 4	NV04	Nevada,U.S.A.	38.4232N	118.3068W	1984	
Mina Array Site 5	NV05	Nevada,U.S.A.	38.4464N	118.2913W	2186	
Mina Array Site 6	NV06	Nevada,U.S.A.	38.4224N	118.2744W	1936	
Mina Array Site 7	NV07	Nevada,U.S.A.	38.4105N	118.2949W	1849	
Mina Array Site 8	NV08	Nevada,U.S.A.	38.4041N	118.3184W	1798	
Mina Array Site 9	NV09	Nevada,U.S.A.	38.4354N	118.3352W	1918	
Mina Array Sites 11 and 31	NV11	Nevada,U.S.A.	38.4320N	118.1554W	1509	
Minab	MNB1	Iran	27.1061N	57.0998E	29	From 2013-05-15
Minabe	JWM	Wakayama,Japan	33.8492N	135.3547E	170	
Mina Concepcion	EMIN	Spain	37.7675N	6.6724W	240	
Mina Guanaco	GO02	Tarapaca,Chile	25.1626S	69.5904W	2556	
Minamiashigara	ASG	Kanagawa,Japan	35.3138N	139.0279E	386	
Minamidaito 2	JMZ	Ryukyu Islands,Japan	25.8190N	131.2207E	50	
Minamidaito jima	MVI	Ryukyu Islands,Japan	25.8283N	131.2350E	14	From 1974-02-01
Minami-Gairin	SRMH	Iburi,Japan	42.5312N	140.8330E	476	
Minamiizu	MIZN	Shizuoka,Japan	34.6889N	138.8424E	105	
Minamisoumatochikubo	JMST	Fukushima,Japan	37.7246N	140.8874E	53	From 2013-07-01
Minamitane	JMTN	Kagoshima,Japan	30.3973N	130.9005E	186	From 2012-07-01
Minami-tori-shima	MCSJ	Marcus Island,Japan	24.2900N	153.9780E	10	
Minaret Summit	MINS	California,U.S.A.	37.6538N	119.0609W	2796	
Minazif	UOSS	Fujairah,United Arab Emirates	24.9453N	56.2042E	283	
Mineo	MNE	Sicily,Italy	37.2500N	14.7333E	510	
Mineo	HMNO	Sicily,Italy	37.3180N	14.6000E	530	From 1994-05-01
Mineoka	MNJ	Chiba,Japan	35.1019N	139.9908E	100	
Minera del Fierro	MFCH	Maule,Chile	35.0244S	70.4411W	1920	
Mineral	R58B	Virginia,U.S.A.	37.9636N	77.8787W	116	From 2012-08-02
Mineral	MIN	California,U.S.A.	40.3460N	121.6066W	1470	From 1938-01-01 to 2000-06-29
Minerbio Fiu	FIU	Italy	44.6395N	11.4917E	12	
Minerbio--Passere	PASE	Italy	44.6062N	11.4567E	12	
Minerbio--Torre	TORE	Italy	44.6072N	11.5255E	16	
Miners Draw (BLM), Jensen	O19A	Utah,U.S.A.	40.2982N	109.1236W	1649	From 2007-08-20 to 2009-11-11
Miners Mountain	MMU	Utah,U.S.A.	38.1985N	111.2940W	2387	From 1980-10-01
Minervino Murge	MRVN	Italy	41.0609N	16.1958E	610	From 2007-04-24
Mines Road	CB9	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CL2	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	MNR	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMRM	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMNM	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Minette Bay Lodge, Kitimat, BC, Canada	MBLB	British Columbia	54.0350N	128.6230W	0	From 2015-11-01
Mineville/Witherbee	MIV	New York,U.S.A.	44.0747N	73.5340W	317	From 1985-06-01
Mingacevir	MGC	Azerbaijan	40.7700N	47.0600E	30	From 1968-01-01
Mingechevir, Azerbaijan	MNGR	Azerbaijan	40.7730N	47.0850E	100	From 2010-01-14
Mingjian	WNT	Taiwan region	23.8780N	120.6840E	110	
Minicoy	MNCI	Laccadive Islands,India	8.2815N	73.0598E	2	
Minicoy	MNCY	Laccadive Islands,India	8.2667N	73.0333E	0	
Minitrack	MIK	Alaska,U.S.A.	64.8723N	147.8280W	160	From 1970-05-01 to 1975-03-31
Mink Peak	MKMT	Montana,U.S.A.	47.1032N	115.1138W	2088	
Minneapolis	MNM	Minnesota,U.S.A.	44.9740N	93.2381W	204	From 1974-12-01 to 1976-12-31
Minneapolis	MNN	Minnesota,U.S.A.	44.9144N	93.1900W	217	From 1964-01-01 to 1967-12-31
Minneapolis	MFM	Minnesota,U.S.A.	44.9141N	93.1930W	226	
Minoodasht	IMND	Iran	37.2575N	55.4069E	180	From 1991-08-01
Minoodasht	IMIN	Iran	37.1422N	55.2336E	180	From 2000-08-01
Minshiung	CHN2	Taiwan region	23.5320N	120.4750E	45	
Minsk	MICGM	Belarus	54.5021N	27.8833E	196	From 1963-01-03
Minsk	MNK	Belarus	54.5021N	27.8833E	196	
Minto, Yukon-Koyukuk	I23K	Alaska,U.S.A.	65.1479N	149.3603W	149	From 2014-10-03
Minucciano (LU)	T0912	Italy	44.1685N	10.2095E	686	From 2013-06-21
Minye Minye	MNMCX	Tarapaca,Chile	19.1310S	69.5955W	2304	From 2012-01-01
Minye Minye	MNMC	Tarapaca,Chile	19.1311S	69.5955W	2304	
Mio	H47A	Michigan,U.S.A.	44.5994N	84.2062W	356	From 2012-11-08
Miomork	IMID	Iceland	63.6580N	19.8860W	132	From 1989-12-21
Miracle	EMIR	Spain	41.9144N	1.5258E	841	
Miradouro	MIRA	Azores,Portugal	37.7855N	25.2787W	702	From 1999-04-27
Miraflores	MRF	Peru	12.1316S	77.0249W		
Mira Loma	MLSC	California,U.S.A.	34.0046N	117.5616W	230	
Miramar	MIRN	Nicaragua	12.4400N	86.7117W	280	
Miramichi	MINB	New Brunswick,Canada	46.9700N	66.5300W	0	From 1982-06-01
Miranda	MIDA	Italy	41.6419N	14.2540E	950	From 2004-07-07
Mirandola	SGIA	Italy	44.8592N	11.0358E	20	
Mirandola (MO)	MIR02	Italy	44.8870N	11.0732E	18	From 2012-05-22
Mirandola (MO)	MIR03	Italy	44.9384N	11.1045E	10	From 2012-05-23
MIRINA LIMNOU	LMN1	Greece	39.8750N	25.0588E	18	From 2013-02-01
Mirnyy	MIR	Queen Mary Land	66.5514S	93.0167E	34	
Mirrayikh	MYKS	Saudi Arabia	21.5545N	39.3323E		
Mirror Lake Plateau	YMP	Wyoming,U.S.A.	44.7402N	110.1560W	2774	
MIRYANG	KSMIY	Republic of Korea	35.4864N	128.7412E	13	From 2000-03-04
Miryang-si	MIYA	Republic of Korea	35.4917N	128.7445E	50	From 2011-10-05
Misaki	MSK	Kanagawa,Japan	35.1500N	139.6170E		
Misakicho	RUSJ	Hokkaido,Japan	44.1043N	145.2477E	70	
Misakubo	MSKJ	Shizuoka,Japan	35.1934N	137.9390E	754	From 1979-04-01
Misere	A54	Quebec,Canada	47.4567N	70.4125W	381	From 1977-08-30
Misericordia	VMS	Luzon,Philippines	13.2500N	123.7550E		
Mishima	MIS	Shizuoka,Japan	35.1117N	138.9300E	22	
Mishlifen	MIF	Morocco	33.4090N	5.2290W	2070	
Misima Island	MISM	Papua New Guinea	10.6854S	152.8401E	17	From 2013-05-10
Misoa	MISV	Venezuela	9.9730N	70.9256W	768	
Misono	MSN	Hidaka,Japan	42.4232N	142.5414E	100	From 1976-07-01
Misrath	LMSR	Libya	32.3125N	15.0083E	114	
Mission Creek	MSMT	Montana,U.S.A.	45.6305N	110.3537W	1926	
Mission Ridge	H28A	South Dakota,U.S.A.	44.6751N	101.0206W	642	From 2009-06-12 to 2011-05-07
Mission San Jose	MSJ	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Mission San Jose	CMJM	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Missoula	MSO	Montana,U.S.A.	46.8292N	113.9406W	1264	From 1973-11-01
Miston	MIST	Tennessee,U.S.A.	36.1707N	89.5023W	80	
Mistretta	ME01	Italy	37.9329N	14.3611E	944	From 2007-10-18 to 2009-02-03
Mitaka	MTK	Tokyo,Japan	35.6667N	139.5000E	57	
Mitchell	MC-SD	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MH-NB	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MC-	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell Dam	HDG10	British Columbia,Canada	52.9343N	132.1304W	5	From 2012-11-16
Mitchell Dam	HG1B	British Columbia,Canada	52.9345N	132.1307W	5	From 2012-11-14
Mitchell Field	MFA	Alaska,U.S.A.	51.9350N	176.5920W		From 1949-07-01 to 1952-12-31
Mitchell Peak, Miramonte	HELL	California,U.S.A.	36.6801N	119.0228W	1145	From 2005-02-11 to 2007-10-14
Mito	MIT	Ibaraki,Japan	36.3783N	140.4720E	29	
Mitogawa	MTGE	Wakayama,Japan	33.5539N	135.6874E	60	
Mitoyo	MITH	Iburi,Japan	42.5728N	140.7804E	325	
Mitsuishi	MUJ	Hidaka,Japan	42.2831N	142.5856E	60	
Mitsune	JHJ2	Bonin Islands,Japan	33.1117N	139.8167E	70	
Mitta Mitta	MITM	Victoria,Australia	36.7317S	147.6587E	470	
Mi Wuk Village	MMWM	California,U.S.A.	38.0638N	120.1810W	1411	From 1976-07-12
Mix Canyon Road	NMXM	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Mix Canyon Road	MIX	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Miyake jima	MKJ	Bonin Islands,Japan	36.1100N	139.5283E	170	From 1972-02-01
Miyakejima3	JMY	Bonin Islands,Japan	34.0715N	139.5127E	470	
Miyako	MIY	Iwate,Japan	39.6450N	141.9680E	46	
Miyako	MKO	Iwate,Japan	39.5900N	141.9820E	125	From 1968-09-01
Miyako jima 2	JMJ	Ryukyu Islands,Japan	24.8147N	125.2935E	43	
Miyako jima3	JMJ2	Ryukyu Islands,Japan	24.7408N	125.3277E	46	From 2013-05-01
Miyakonagasawa	MIYJ	Iwate,Japan	39.5767N	141.8197E	200	From 1990-04-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Miyako zima	MYK	Ryukyu Islands,Japan	24.7917N	125.2783E	41	
Miyama	JGM	Gifu,Japan	35.6993N	136.7182E	495	
Miyazaki	MYZ	Miyazaki,Japan	31.9200N	131.4233E	7	
Miyazaki 2	MYZ2	Miyazaki,Japan	31.8967N	131.4120E	12	
Miyazu	MYD	Kyoto,Japan	35.5333N	135.2000E		
Mizel	MZLS	Saudi Arabia	24.0275N	45.2071E	880	
Mizumiiro	MZI	Shizuoka,Japan	35.0440N	138.2936E	400	
Mizusawa	MIZ	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mizusawa	MIW	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mjoaskard	IMJO	Iceland	63.9329N	19.6724W	704	From 2011-12-15
MMAL	MMAL	Swaziland	26.0489S	31.2042E	909	
M & M Farms, Shelby	B16A	Montana,U.S.A.	48.4128N	111.7073W	1038	From 2007-09-26 to 2009-08-12
Mnogovershinnie	MNVS	Khabarovskiy Kray,Russia	53.8460N	139.8420E	350	
Moa	MOAC	Cuba	20.6600N	74.9600W		
Moab	MBUT	Utah,U.S.A.	38.5334N	109.5099W	1376	From 2006-07-27
Moab Khotsong	MOAB	Transvaal,South Africa	26.9870S	26.7990E	1370	From 2008-05-13
Moama Anglican Grammar School	AUMAG	New South Wales,Australia	36.1000S	144.7500E	127	From 2013-05-13
Moapa	T12A	Nevada,U.S.A.	36.7256N	114.7147W	538	From 2007-01-24 to 2008-10-11
Moar Alm	RMOA	Bayern,Germany	47.7617N	12.8645E	815	From 2001-08-24
Moawhango	MOVZ	North Island,New Zealand	39.4067S	175.7529E	874	From 2004-06-01
Moca	SRO2	Slovakia	47.7627N	18.3940E	109	From 2004-09-25
Moca	MCP	Puerto Rico	18.4190N	67.1107W	250	From 1975-11-14 to 1999-08-25
Moca	MCAB	Puerto Rico	18.4100N	67.0800W	303	
Moca	MOCA	Puerto Rico	18.4143N	67.0775W		
Moca	MFP	Fernando Poo,Equatorial Guinea	3.3418N	8.6609E	1338	From 1963-10-01
Moc Chau	MCVV	Vietnam	20.8000N	104.6500E	800	From 2005-03-15
Mochara	MOCB	Bolivia	21.2505S	65.6380W	3580	From 1993-06-01
Mocksville	V56A	North Carolina,U.S.A.	35.8097N	80.4963W	237	From 2013-03-24
Mocoron	MOCN	Nicaragua	12.7817N	87.0400W		
Model	MOTN	Tennessee,U.S.A.	36.6180N	87.9867W	177	
Modelwitz	MODW	Thuringen,Germany	50.9426N	12.4682E	240	From 2009-09-01
Modena	MODE	Italy	44.6297N	10.9492E	41	From 2007-10-18
Modica	HMDC	Sicily,Italy	36.9580N	14.7820E	540	From 1994-05-01
Modoc Plateau	MOD	California,U.S.A.	41.9025N	120.3029W	1554	From 1999-10-16
Modra-Piesok	MODS	Slovakia	48.3736N	17.2774E	520	
Moessingen	MSG	Baden-Wurttemberg,Germany	48.3992N	9.0353E	475	From 1971-01-01
Moessingen, Sulzgasse	MSGN	Baden-Wurttemberg	48.4082N	9.0581E	468	From 2015-09-01
Moffat	R23A	Colorado,U.S.A.	38.1907N	105.8264W	2547	From 2008-11-05 to 2010-06-17
Moffit Pass	N17A	Utah,U.S.A.	40.9425N	110.8335W	2500	From 2007-07-11 to 2009-04-22
Moffitt Ranch	GMOM	California,U.S.A.	38.7102N	123.1430W	802	From 1975-05-07
Mogadiscio	MOG	Somalia	2.0333N	45.3500E		
Moghan	IMOG	Iran	36.1082N	59.3393E	2577	From 1999-07-01
Moghavemat	SMGT	Iran	30.7811N	48.2626E	4	From 2010-08-11
Moglia (MN)	T0827	Italy	44.9377N	10.9319E	10	From 2012-05-30 to 2012-09-19
MOGNA	AMOG	San Juan,Argentina	30.9388S	68.4928W	830	From 1996-09-25
Mogollon	ML-NM	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogollon	ML-	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogosoaia	PMGR	Romania	44.5275N	25.9939E	141	From 2006-11-23
Mogosoaia	MOGR	Romania	44.5649N	25.9417E	144	From 2003-10-26
Mogote Corralitos	AMLC	San Juan,Argentina	31.3088S	67.9248W	3100	
Mohaka	MOH	North Island,New Zealand	39.1307S	177.1480E	245	From 1987-03-19 to 1997-05-25
Mohawk Valley, Roll	113A	Arizona,U.S.A.	32.7683N	113.7667W	118	From 2007-05-08 to 2010-05-28
Mohican School	MOSO	Ohio,U.S.A.	40.6115N	82.3827W	370	
Mohonk Preserve	NPNY	New York,U.S.A.	41.7546N	74.1435W	216	From 2007-09-07
Moikau	MOW	North Island,New Zealand	41.4200S	175.2522E	430	From 1978-01-31 to 2003-09-13
Moikau Station	MSWZ	North Island,New Zealand	41.4158S	175.2495E	403	From 2003-08-28
Moi Rana	MOR2	Norway	66.2366N	14.7741E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR1	Norway	66.2374N	14.7721E	650	From 1989-01-01 to 1989-12-12
Moi Rana	MOR7	Norway	66.2850N	14.7350E	435	From 1990-05-23 to 1993-08-31
Moi Rana	MOR8	Norway	66.1713N	14.4411E	445	From 1993-08-01
Moi Rana	MOR4	Norway	66.2367N	14.7668E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR6	Norway	66.2370N	14.7670E	650	From 1986-02-01 to 1989-12-12
Moi Rana	MOR3	Norway	66.2357N	14.7724E		
Moi Rana	MOR5	Norway	66.2377N	14.7664E		
Mojave River Dam	MRD	California,U.S.A.	34.6757N	117.2410W	969	
Mojotorillo	BS03	Bolivia	19.3170S	64.3800W	3664	From 2011-09-09
Mokapu	MOK	Hawaii,U.S.A.	21.4565N	157.7370W	90	From 1965-04-01 to 1999-08-25
MOKOCHONG	MOKO	Nagaland,India	26.3210N	94.5156E	1353	From 2011-05-01
Mokollar	IMKO	Iceland	64.9778N	16.3391W	660	From 2005-11-01
Mokpo	KSMOK	Republic of Korea	34.7656N	126.7378E	140	From 2008-01-01
Mokpo	KSMOP	Republic of Korea	34.8083N	126.3766E	37	From 2000-02-11
Moku'a@18weoweo	MWH	North America,U.S.A.	19.4850N	155.5970W	4104	
Mol	BMOL	Belgium	51.2144N	5.0861E	-198	From 2008-06-03
Molcaxac	MOPM	Puebla,Mexico	18.7333N	97.9167W	1840	
Molde	MOL	Norway	62.5700N	7.5480E	98	From 1987-02-01
Moldovita	MDVR	Romania	44.7815N	21.7128E	720	From 2010-11-09
Molesworth	MLWM	Victoria,Australia	37.1368S	145.5105E	280	
Moliterno	MOLE	Italy	40.2514N	15.8296E	1130	
Molkenrain	MOF	Alsace,France	47.8517N	7.1332E	1085	From 1982-01-01
Mollejon	MOLL	Venezuela	7.7350N	71.6289W	900	From 1984-01-01
Molln	MOA	Austria	47.8495N	14.2659E	572	From 1996-01-01
Moma	MOMR	Sakha,Russia	66.4667N	143.2167E	192	
Mombacho	MOBN	Nicaragua	11.8317N	85.9777W	1000	
Mombaroccio (PU)	AD03	Italy	43.7910N	12.8474E	377	From 2010-03-29
Momias	MOMI	Spain	36.3301N	5.7200W	370	
Momote	MOM	Admiralty Islands,Papua New Guinea	2.0417S	147.4020E	10	From 1969-10-01
Momotombo	MOMJ	Nicaragua	12.4083N	86.5400W	500	
Momotombo	MOMN	Nicaragua	12.4083N	86.5400W	500	
Mompiche	AMOM	Ecuador	0.4923N	80.0465W	27	From 2011-04-07
Monaco	MON	Monaco	43.7306N	7.4250E	52	
Mona Island, PR	IMPR	Puerto Rico	18.0770N	67.9311W	9	From 2009-07-15
Monand	IMON	Iran	33.1922N	59.6667E	2150	From 2005-12-01
Monarch Peak	PMPM	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monarch Peak	PMPB	California,U.S.A.	36.2159N	120.8013W	802	
Monarch Peak	MOP	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monasavu	MSV	Fiji	17.7578S	178.0544E	626	From 1983-02-01
Monastery St. Joachim Osogovski	KPJ	FYR Macedonia	42.2092N	22.3617E	700	From 1995-01-01
Monastry St. Andrei	MSAB	Romania	44.0910N	27.8256E	106	From 2000-10-24
Moncalieri	MNC	Italy	45.0000N	7.7000E	238	
Moncks Corner	MKC	South Carolina,U.S.A.	33.1900N	80.0400W	25	From 1973-03-13 to 1973-10-01
Moncorvo	MVO	Portugal	41.1644N	7.0289W	860	From 1980-08-01
Moncucco Torinese	MONC	Italy	45.0739N	7.9271E	480	From 2005-01-13
Mondaino (RN)	AD02	Italy	43.8471N	12.6687E	355	From 2010-03-30
Mondonedo	EMON	Spain	43.4361N	7.3298W	615	From 1988-07-01
Mondragone	MODR	Italy	41.1459N	13.8779E	345	From 2007-06-19
Mondy	MOY	Buryatiya,Russia	51.6667N	100.9931E	1303	
Monemvasia	MNVA	Greece	36.6871N	23.0374E	7	From 2010-05-13
Monesi	MONE	Italy	44.0795N	7.7550E	1320	From 1991-06-01 to 2009-09-30
Monestir Poblet	POBL	Spain	41.3793N	1.0847E	515	
Monetta	MTT	South Carolina,U.S.A.	33.7503N	81.6400W	182	From 1976-08-09
Mongiuffi-Melia	MMME	Sicily,Italy	37.9350N	15.2540E	905	From 1993-12-01
Mongu	MONG	Zambia	15.1500S	23.0900E	1057	
Moni Apezanon	APEZ	Crete,Greece	34.9777N	24.8859E	435	
Monida	MOMT	Montana,U.S.A.	44.5933N	112.3940W	2220	
Monjas	MJAS	Ecuador	0.2520S	78.4980W	2800	
Monmouth	MONM	Wales,United Kingdom	51.8396N	2.8054W	145	From 2009-07-14
Monmouth DOGAMI SMO	MONO	Oregon,U.S.A.	44.8537N	123.2414W	60	From 2008-02-12
Monnetier-Mornex	OG02	Rhone-Alpes,France	46.1542N	6.2208E	620	From 1989-11-10
Monobe	JMN	Kochi,Japan	33.7282N	133.8790E	550	
Mono Craters	MCRR	California,U.S.A.	37.8872N	118.9937W	2268	
Mono Craters	MCCR	California,U.S.A.	37.9194N	119.0253W	2255	
Mono Lake	ML3CL	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML2	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML4CL	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML4	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML2CL	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML3	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML1CL	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML1	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Monomi-yama	K08	Iwate,Japan	39.3128N 141.5244E	488	
Mono Valley	MONR	California,U.S.A.	38.0608N 118.7760W	2179	From 1974-07-01 to 2002-10-10
Monowai	MNW	South Island,New Zealand	45.7787S 167.6188E	155	From 1935-07-01 to 1978-11-26
Monroe	142A	Louisiana,U.S.A.	32.5488N 91.9457W	23	From 2011-02-22 to 2012-11-13
Monroe	Y53A	Georgia,U.S.A.	33.8554N 83.5836W	234	From 2012-04-12
Monroe Substation	MBPA	Washington,U.S.A.	47.8985N 121.8889W	186	
Monserrat	MRB	Spain	41.5950N 1.8372E	860	
Monsted	NE02	Denmark	56.4590N 9.1700E	60	From 1983-02-01 to 2001-07-28
Monsted U'grnd	MUD	Denmark	56.4550N 9.1733E	12	From 1982-03-01
Mont	MONL	Aquitaine,France	43.4328N 0.6506W	100	
Montachique	MTH	Portugal	38.8967N 9.1925W	409	
Montagna Grande	MTGR	Sicily,Italy	37.8934N 12.7593E	751	From 2000-07-01
Montagne du Rey	REYF	Aquitaine,France	43.0697N 0.3925W	1000	From 1996-12-12
Montagnes des Pe@15res	MDP	French Guiana,France	5.1014N 52.6416W	110	
Montagnes des Peres	MPGF	French Guiana,France	5.1100N 52.6440W	147	
Montagne Vauclin	MVM	Martinique,France	14.5545N 60.8955W	361	From 1975-01-01
Montagny	OG11	Rhone-Alpes,France	45.4527N 6.6095E	1120	From 1993-07-07
Montague	B040	California,U.S.A.	41.8308N 122.4205W	594	
Montague	J45A	Michigan,U.S.A.	43.4354N 86.3889W	209	From 2012-09-13
Montague Island	MTU	Alaska,U.S.A.	59.9878N 147.6520W	434	
Montague Island	MTG	Alaska,U.S.A.	59.9118N 147.4970W	31	From 1974-10-03 to 1985-07-31
Montalto (Apecchio) - PU	AT03	Italy	43.5359N 12.3860E	789	From 2010-04-18
Montana	MNNAM	Bulgaria	43.4111N 23.2262E	231	From 2012-11-20
Montana Rajada	CRAJ	Canary Islands,Spain	28.2649N 16.5969W	2474	From 2004-06-11
Montanita	PT21	Peru	6.8490S 79.1360W	1200	
Montappone	MN3	Italy	43.1400N 13.4705E	368	From 2004-04-20
Montappone	MNTP	Italy	43.1374N 13.4693E	325	From 2012-11-15
Montargil	PMTG	Portugal	39.0690N 8.2253W	190	From 2008-09-25
Montasola	MNS	Italy	42.3847N 12.6808E	600	From 1978-01-01
Montasola	MA1	Italy	42.3846N 12.6800E	600	From 1978-01-01
Montbardon	MBDF	Provence-Cote d'Azur,France	44.7269N 6.7714E	1520	From 1996-04-03
Mont Bernier	MBV	Vanuatu	17.6587S 168.3100E		
Montcerf-Lytton	E55A	Quebec,Canada	46.4538N 76.0572W	180	From 2013-07-28
Mont Chateau	MCWV	West Virginia,U.S.A.	39.6581N 79.8456W	280	From 1991-03-28
Mont Chauve - France	NICEF	Provence-Cote d'Azur,France	43.7709N 7.2546E	850	
Montclair	MONJ	New Jersey,U.S.A.	40.8083N 74.2308W	98	
Montclair St. U.	MSNJ	New Jersey,U.S.A.	40.8841N 74.1815W	132	From 2000-11-02
Montcuq	MONQ	Midi-Pyrenees,France	44.3676N 1.1953E	240	From 2011-09-22
Mont de Guillon, France	MDGS	Franche Comte,France	47.3146N 6.3929E	400	From 2004-10-20 to 2008-12-09
Mont-d'or	MLG	Guadeloupe,France	16.0613N 61.7103W	642	
Mont Dore	PLUM	New Caledonia	22.2730S 166.6400E	9	From 2007-01-01
Mont Dzumac	DZM	New Caledonia	22.0710S 166.4440E	905	From 1985-01-01
Monte Acero	MAB1	Italy	41.2589N 14.4958E	723	
Monteagle	MEA	New South Wales,Australia	34.2083S 148.3930E		From 1966-08-14 to 1972-08-09
Monte Alegre	MALB	Para,Brazil	1.8529S 54.2649W	27	From 2014-04-26
Monte Arcimis	EMAR	Sicily,Italy	37.6883N 15.0623E	1250	From 1994-10-01
Monte Arcimis	EARC	Sicily,Italy	37.6938N 15.0643E	1267	From 2002-10-01
Monte Argentario	MAO	Italy	42.4167N 11.1522E	326	From 1983-08-01
Monte Argentario	MAON	Italy	42.4283N 11.1309E	237	From 2003-07-25
Monte Baldo	BALI	Trentino,Italy	45.7813N 10.8623E	1685	From 1981-06-15 to 1990-12-31
Monte Baldo	BALD	Italy	45.6831N 10.8181E	1911	From 2007-11-08
Montebello Ionico	MMBI	Italy	38.0330N 15.7630E	950	From 1993-12-01
Montebello Ridge	MTB	California,U.S.A.	37.2907N 122.0910W	347	From 1975-02-07 to 1976-12-23
Montebelluna (TV)	MBEL	Italy	45.7993N 12.0686E	271	From 2010-06-09
Montecalvo in Foglia	MCIF	Italy	43.8116N 12.6317E	330	From 2013-12-04
Montecano	MONV	Venezuela	11.9550N 69.9710W	170	From 2002-04-17
Monte Cassino	MCI	Italy	41.4833N 13.8167E	527	
Monte Cedrone	ATMC	Italy	43.4468N 12.1928E	739	From 2009-01-29
Montecelio	MTCE	Italy	42.0228N 12.7422E	388	From 2002-12-05
Montecillos	BB01	Bolivia	18.0705S 65.2608W	2290	From 2011-11-10
Monte Cimone	MME	Italy	44.1936N 10.7000E	2160	
Monte Civitella	MCIV	Italy	42.7786N 11.6765E	790	From 2010-05-17
Monte Civitello	AT11	Italy	43.3818N 12.4199E	662	From 2011-06-08
Monte Cocuzzo	CZI	Italy	39.2183N 16.1336E	1700	From 1982-01-01
Monte Cornaccione	MC2	Italy	42.9127N 13.1905E	1916	From 2005-09-08
Montecristo	MTO3	El Salvador	14.3989N 89.3606W	1828	From 2011-07-28
Montecristo	MTO	El Salvador	14.3897N 89.4050W	1380	
Montecristo 2	MTO2	El Salvador	14.4000N 89.3617W	1870	
Monte Cristo Peak	MCU	Utah,U.S.A.	41.4617N 111.5070W	2664	From 1975-12-01
Montecucco	N002	Italy	43.3731N 12.3296E	538	From 2011-03-15
Monte Cuccoli	MOCL	Italy	44.0050N 11.1800E	639	From 2008-11-19
Monte D'Aria	MDAR	Italy	43.1927N 13.1427E	940	From 2008-10-26
Monte dei Santi	ESAN	Sicily,Italy	37.6945N 14.9677E	1690	From 1994-10-01
Monte do Carmo	MCRB	Tocantins,Brazil	10.6344S 47.8289W	261	From 2011-07-01
Monte do Carmo - TO	RET11	Tocantins,Brazil	10.6344S 47.8289W	261	From 2011-07-01
Montedoro	CMDO	Italy	37.4639N 13.8229E	569	From 2013-11-27
Monte Escuro	MESC	Azores,Portugal	37.7931N 25.4456W	790	From 1990-01-19
Monte Escuro	MTSA	Azores,Portugal	37.7810N 25.4384W	826	
Montefalcone Appennino	MF5	Italy	42.9888N 13.4605E	770	From 2000-07-19
Monte Fema	FEMA	Italy	42.9621N 13.0498E	1370	From 2009-09-23
Monte Figo	FIG	Portugal	37.1006N 7.8283W	310	From 1984-03-30 to 2009-05-30
Monte Figo	PFMF	Portugal	37.1005N 7.8235W	398	From 1996-01-01
Monte Finestrelle	MFNL	Sicily,Italy	37.7908N 12.9224E	677	From 2000-07-01
Monte Foce - Gubbio	ATFO	Italy	43.3666N 12.5715E	960	From 2009-08-10
Monte Fontane	EMFO	Sicily,Italy	37.7352N 15.0835E	1134	From 1994-10-01
Montegabbione	MGAB	Italy	42.9126N 12.1121E	547	From 2008-04-02
Monte Giove	MGIO	Italy	43.5606N 12.2036E	706	From 2011-10-01
Montego Bay	MBJ	Jamaica	18.4027N 77.8627W	576	
Montegrosso	MGRO	Italy	44.0424N 7.8081E	1689	From 2012-09-19
Monte Grosso	EMGR	Sicily,Italy	37.6703N 15.0073E	1350	From 1994-10-01
Montehunto	PMJU	Portugal	39.1750N 9.0488W	660	
Monte Intraleo	EMIL	Sicily,Italy	37.7213N 14.9165E	1560	From 1994-10-01
Monte La Croce	MTCR	Italy	44.0270N 10.9980E	1289	From 2012-04-02
Montelago di Sassoferrato	SSFR	Italy	43.4363N 12.7822E	750	From 2010-07-23
Montelago di Sefro	MML1	Italy	43.1135N 12.9717E	943	From 2006-09-07
Monte Lauro	MEU	Sicily,Italy	37.1011N 14.9300E	985	
Monteleto	CC03	Italy	43.3780N 12.5163E	513	From 2011-03-15
Montella	MNT3	Italy	40.8370N 15.0067E	866	
Monte Llano	DR04	Dominican Republic	19.4672N 70.3600W	327	
Monte Llano	DR4	Dominican Republic	19.4672N 70.3600W		
Montello	M13A	Nevada,U.S.A.	41.3602N 114.1655W	1514	From 2006-05-04 to 2008-08-19
Montello	MTLO	Italy	45.8133N 12.0967E	350	From 1988-01-01
Monte Luro di Tavullia	TV6	Italy	43.9103N 12.7755E	289	From 2007-09-14
Monte Maddalena	GRDM	Italy	45.5451N 10.2795E	785	From 2007-05-01
Monte Magaggiaro	MMGO	Sicily,Italy	37.6619N 12.9767E	397	From 2000-07-01
Monte Martano	MOMA	Italy	42.8039N 12.5701E	1040	From 2011-10-01
Monte Massico	MSC	Italy	41.1914N 13.9714E	109	
Montemonaco	MMO1	Italy	42.8993N 13.3268E	957	From 2008-10-08
Montemor	MOE	Portugal	38.5228N 8.3506W	263	From 1983-02-19
Monte Murano	MMUR	Italy	43.4418N 12.9973E	800	From 2008-10-26
Montemurlo	MPPT	Italy	43.9575N 11.0902E	751	From 2015-06-04
Monte Nero	EN6*	Sicily,Italy	37.8058N 15.0389E		From 1966-04-01 to 1966-05-01
Monte Nero	EMNR	Sicily,Italy	37.8162N 15.0260E	1745	From 2003-09-01
Monte Paganuccio	MPAG	Italy	43.6292N 12.7595E	930	From 2008-10-26
Monte Parmentelli	EMPL	Sicily,Italy	37.6790N 14.9698E	1434	From 1994-10-01
Monte-Pele	MPM	Martinique,France	14.8120N 61.1680W	1190	
Monte Pellegrino	MPG	Sicily,Italy	38.1617N 13.3600E	600	From 1994-03-01
Monte Pirata	MTPB	Puerto Rico	18.0900N 65.5500W	175	
Monte Pirata	MTP	Puerto Rico	18.0972N 65.5525W	120	From 1975-04-01
Monte Pizzetto	PZZT	Italy	44.1313N 10.8617E	1236	From 2005-08-09
Monte Prat	MPRI	Italy	46.2417N 12.9883E	762	From 1977-06-02
Monterenzio	MTRZ	Italy	44.3763N 11.4663E	594	From 2007-12-12
Monterey	HMOM	California,U.S.A.	36.6005N 121.9180W	192	From 1970-11-27
Monterey	MTR	California,U.S.A.	36.6005N 121.9180W	192	From 1970-11-27
Monterey Bay OB	MOBB	California,U.S.A.	36.6906N 122.1660W	-1036	
Monteria, Cordoba	MOTC	Colombia	8.7785N 75.6650W	109	From 2009-06-01
Monte Rocchetta	MRB1	Italy	41.1264N 14.9728E	625	
Monte Rojo	SDD10	Dominican Republic	19.2105N 69.2698W	385	
Monte Rosa	MR6*	Sicily,Italy	38.4792N 14.9578E		From 1966-04-01 to 1966-05-01

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Monte Rota	SEST	Italy	46.7493N 12.2165E	1729	From 2003-11-12
Monte Ruvolo	EMRV	Sicily,Italy	37.7463N 14.8835E	1205	From 1994-10-01
Monte S. Angelo	MSAG	Italy	41.7120N 15.9096E	890	From 2006-05-25
Montesano	B017	Washington,U.S.A.	46.9960N 123.5575W	-185	
Montesano sulla Marcellana	MTSN	Italy	40.2663N 15.7515E	1056	From 2006-08-07
Monte Santa Maria Tiberina	SMTM	Italy	43.4360N 12.1627E	660	From 2011-10-01
Monte Sant'Angelo	FGMS	Italy	41.7079N 15.9534E	848	
Monte Sant'Angelo (FG)	MS1	Italy	41.7050N 15.9420E	830	From 1982-04-01
Montesarchio	MSB1	Italy	41.0897N 14.6594E	610	
Monte Scavo	ESVO	Sicily,Italy	37.7728N 14.9468E	1680	From 1994-10-01
Montes Claros	MCI6	Minas Gerais,Brazil	16.8070S 43.8933W	736	From 2012-01-01
Montes Claros	MC03	Minas Gerais,Brazil	16.6390S 43.8814W	798	From 2012-05-01
Montes Claros	MCI9	Minas Gerais,Brazil	16.6980S 43.8933W	670	From 2012-01-01
Montes Claros	MC05	Minas Gerais,Brazil	16.7551S 44.0105W	871	From 2012-05-01
Montes Claros	MC01	Minas Gerais,Brazil	16.7074S 43.9417W	740	From 2012-05-01
Montes Claros	MCI8	Minas Gerais,Brazil	16.6597S 43.9203W	696	From 2012-01-01
Montes Claros	MC02	Minas Gerais,Brazil	16.7610S 43.9123W	840	From 2012-05-01
Montes Claros	MC04	Minas Gerais,Brazil	16.6793S 43.9035W	685	From 2012-05-01
Montes Claros	MCI7	Minas Gerais,Brazil	16.7785S 43.8213W	714	From 2012-01-01
Montes Claros	MC06	Minas Gerais,Brazil	16.6535S 43.8886W	682	From 2012-05-01
Monte Sirino - Moliterno	SIRI	Italy	40.1821N 15.8675E	1063	From 2006-08-07
Monte Soro	MNO	Sicily,Italy	37.9331N 14.6947E	1830	
Monte Soro	ESRO	Sicily,Italy	37.9308N 14.6940E	1847	From 1994-10-01
Monte Spagnolo	EMSG	Sicily,Italy	37.8208N 14.9498E	1435	From 1994-10-01
Monte Urbino	MURB	Italy	43.2630N 12.5246E	845	From 2004-01-21
Monte Vetore	EMVT	Sicily,Italy	37.6910N 14.9835E	1855	From 1994-10-01 to 2005-07-13
Monte Vettore	MVT	Sicily,Italy	37.6892N 14.9861E	1660	
Monteview	I15A	Idaho,U.S.A.	43.9997N 112.4850W	1470	From 2007-08-14 to 2009-06-05
Monte Vulture - Melfi	VULT	Italy	40.9549N 15.6163E	1101	From 2005-08-12
Monteynard	MNY	Rhone-Alpes,France	44.9606N 5.6911E	422	From 1963-09-01
Montezuma	MTZ	Antofagasta,Chile	22.6333S 68.8333W	1850	From 1933-01-01 to 1999-08-25
Montezuma	S30A	Kansas,U.S.A.	37.6402N 100.4640W	853	From 2009-04-15 to 2011-03-16
Montezuma Peak	MZP	Nevada,U.S.A.	37.7007N 117.3834W	2395	From 1979-07-13
Montgomery	MGVT	Vermont,U.S.A.	44.9135N 72.6277W	262	From 1977-08-01 to 1981-08-25
Mont Gurugu	GOG	Morocco	35.2220N 2.9960W	888	
Monticello	Z53A	Georgia,U.S.A.	33.2801N 83.5713W	144	From 2012-04-09
Monticello	MCEL	Italy	40.3249N 15.8019E	960	From 2006-08-07
Monticello	N46A	Indiana,U.S.A.	40.8949N 86.7352W	209	From 2011-10-13
Monticello Reservoir Site 1	MR01	South Carolina,U.S.A.	34.3318N 81.2957W	131	
Monticello Reservoir Site 10	MR10	South Carolina,U.S.A.	34.3363N 81.3375W	137	
Monticello Reservoir Site 2	MR02	South Carolina,U.S.A.	34.1929N 81.2302W	84	
Monticello Reservoir Site 3	MR03	South Carolina,U.S.A.	34.3514N 81.4569W	125	
Monticello Reservoir Site 4	MR04	South Carolina,U.S.A.	34.4287N 81.2166W	145	
Monticello Reservoir Site 5	MR05	South Carolina,U.S.A.	34.2675N 81.3342W	103	
Monticello Reservoir Site 6	MR06	South Carolina,U.S.A.	34.3517N 81.1962W	137	
Monticello Reservoir Site 7	MR07	South Carolina,U.S.A.	34.3720N 81.3250W	134	
Monticello Reservoir Site 8	MR08	South Carolina,U.S.A.	34.4088N 81.4092W	112	
Monticello Reservoir Site 9	MR09	South Carolina,U.S.A.	34.3008N 81.4030W	122	
Monti di Nese	MDI	Italy	45.7772N 9.7114E	1025	
Montolieu	MTLF	Languedoc-Rousillon,France	43.3411N 2.2175E	365	From 1996-04-03
Mont Orford	MOQ	Quebec,Canada	45.3120N 72.2541W	841	From 1991-05-03
Montottone	MNTT	Italy	43.0620N 13.5957E	902	From 2012-04-19
Montottone (Fermo)	T0401	Italy	43.0621N 13.5957E	343	
Montouss^'	FMON	Midi-Pyrenees,France	43.0634N 0.4164E	647	From 2008-09-01
Montpelier	MPVT	Vermont,U.S.A.	44.2783N 72.6067W		From 1977-06-27 to 1981-08-25
Montreal	MNT	Quebec,Canada	45.5025N 73.6231W	112	From 1954-09-01 to 2010-05-21
Montreal, Quebec	MNTQ	Quebec,Canada	45.5003N 73.6228W	112	From 2010-07-26
Mont Rhoder	AMRH	Algeria	35.8572N 4.9388E	1530	
MONT RIVEL	RIVEL	Franche Comte	46.7590N 5.9225E	800	From 2014-02-12
Montrose	MRC	Colorado,U.S.A.	38.4706N 107.8600W	1790	From 1970-01-01 to 1972-11-30
Montrose	154A	Georgia,U.S.A.	32.6131N 83.1066W	111	From 2012-03-20
Montrose	MS-	Pennsylvania,U.S.A.	41.7611N 75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MS-PA	Pennsylvania,U.S.A.	41.7611N 75.7975W	457	From 1962-07-24 to 1962-07-27
Mont Sano	MSAL	Alabama,U.S.A.	34.8467N 86.6735W	260	
Monts Chateau	KCH	Kerguelen Islands,France	49.2440S 70.1450E		From 1974-02-01
Montserrat	MWI	Montserrat	16.7130N 62.2220W	46	From 1966-03-20 to 1999-08-25
Montserrat Volcano Observatory	MVOV	Montserrat	16.7465N 62.2283W	80	
Mont Terri (freefield, SED-Schacht NW400, Brunefarm)	MTI03	Switzerland	47.3716N 7.1669E	719	From 2014-10-03
Mont Terri, (HE Schacht)	MTI02	Switzerland	47.3793N 7.1653E	220	From 2014-05-19
Mont Terri (ME Nische)	MTI01	Switzerland	47.3791N 7.1654E	245	From 2014-05-19
Mont Tournerait	TOUF	Provence-Cote d'Azur,France	44.0137N 7.2483E	1830	
Mont Tremblant	TRQ	Quebec,Canada	46.2222N 74.5556W	853	From 1981-03-16
Monturaqui	MTQ	Antofagasta,Chile	24.3400S 68.4400W	3000	
Mont Vial	MVIF	Provence-Cote d'Azur,France	43.8963N 7.1525E	1480	
Mont Vial	MUIF	Provence-Cote d'Azur,France	43.8963N 7.1525E	1480	
Montville, Ohio	GPDO	Ohio,U.S.A.	41.5831N 81.0717W	377	From 2011-08-10
Monument Peak, Mt. Laguna	MONP	California,U.S.A.	32.8927N 116.4225W	1920	From 1998-02-02 to 2007-10-24
Monument Peak TA Vault, Mt. Laguna	MONP2	California,U.S.A.	32.8920N 116.4223W	1875	From 2007-09-17
Moodus	MD1	Connecticut,U.S.A.	41.5529N 72.4667W	113	
Moodus	MD5	Connecticut,U.S.A.	41.4551N 72.4950W	101	
Moodus	MD2	Connecticut,U.S.A.	41.5314N 72.4337W	61	
Moodus	MD3	Connecticut,U.S.A.	41.5066N 72.4715W	152	
Moodus	MD4	Connecticut,U.S.A.	41.5023N 72.5121W	106	
Moody	335A	Texas,U.S.A.	31.2819N 97.4271W	217	From 2009-11-15 to 2011-10-04
Moondarra Dam	MDRM	Victoria,Australia	38.0990S 146.3790E	250	
Moonee Ponds	MPDM	Victoria,Australia	37.7689S 144.9064E	30	
Moon Mountain	MOON	Oregon,U.S.A.	44.0515N 121.6695W	224	From 2002-08-01
Moore Haven	059A	Florida,U.S.A.	26.9671N 81.1440W	11	From 2012-03-12
Moorlands	MOO	Tasmania,Australia	42.4417S 147.1900E	325	From 1960-01-01
Moosalm	MOTA	Austria	47.3448N 11.1037E	1575	From 1991-02-09
Moose Creek	YUK3	Yukon Territory,Canada	61.7755N 140.4595W	2100	From 2010-08-25
Moose Creek	MSE	Alaska,U.S.A.	61.8383N 148.9670W	1319	From 1984-09-11
Moose Creek	MCID	Idaho,U.S.A.	44.1903N 111.1827W	2149	
Moose Creek Bluff	MCB	Alaska,U.S.A.	64.7225N 147.2250W	200	From 1968-09-01 to 1971-09-30
Moose Pass	MPA	Alaska,U.S.A.	60.4892N 149.3610W	150	From 1973-08-05
Moose Ponds	MOOW	Wyoming,U.S.A.	43.7486N 110.7450W	2128	From 1986-01-01
Moosonee Ontario	MSNO	Ontario,Canada	51.2913N 80.6113W	4	From 2005-07-23
Mopani	MOPA	Transvaal,South Africa	23.5173S 31.3977E	362	From 2004-03-26
Moragy	PKSM	Hungary	46.2119N 18.6413E	170	
M˝‡r˙¡gy, Hungary	MORH	Hungary	46.2149N 18.6435E	135	From 2012-02-10
Moraine State Park, Portersville	N54A	Pennsylvania,U.S.A.	40.9617N 79.9892W	408	From 2010-11-06
Moravsky	KRUC	Czech Republic	49.0619N 16.3952E	341	
Moravsky Beroun	MORC	Czech Republic	49.7768N 17.5425E	743	From 1995-04-01
Morawa	MRWA	Western Australia,Australia	29.2180S 115.9960E	300	From 1984-06-21
Morawa	MORW	Western Australia,Australia	29.0679S 116.0403E	296	From 1999-09-27
Morecambe B102	LBH	England,United Kingdom	54.0325N 2.9058W	-85	From 1990-01-01
Morelia	MOIG	Michoacan,Mexico	19.6779N 101.1889W	2000	
Morelia	MRX	Michoacan,Mexico	19.7045N 101.1917W	1560	From 1988-01-01
Moreno Valley High School, Angel Fire	U24A	New Mexico,U.S.A.	36.4093N 105.2784W	2573	From 2008-05-18 to 2010-04-11
More Nowhere	ST38	Xizang Zizhiqu,China	33.6539N 88.5046E	5069	From 1998-07-12 to 1998-09-02
Moresby, Haida Gwaii	MOBC2	British Columbia,Canada	53.1442N 131.9674W	675	From 2012-11-08
Moresby Island	MOBC	British Columbia,Canada	53.1448N 131.9687W	675	
Morganfield	MOKY	Kentucky,U.S.A.	37.6470N 87.9010W	204	From 1989-01-01
Morgan Territory	CMOM	California,U.S.A.	37.8110N 121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	CMOB	California,U.S.A.	37.8104N 121.8027W	743	
Morgan Territory	LT17	California,U.S.A.	37.8110N 121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	MTC	California,U.S.A.	37.8110N 121.8037W	745	From 1969-04-17 to 2008-07-16
Morgantown	MRG	West Virginia,U.S.A.	39.6331N 79.9544W	281	From 1950-10-01
Morge	MRGE	Italy	45.7698N 7.0610E	1660	From 2005-09-08
Mori	MOR	O shima,Japan	42.1033N 140.5717E	19	
Morici	MORI	Croatia	43.8660N 15.7073E	140	
Morigerati	MGR	Italy	40.1376N 15.5535E	288	
Morin Heights	MRNQ	Quebec,Canada	45.8425N 74.2934W	59	
Morin Heights	MRHQ	Quebec,Canada	45.8870N 74.2127W	422	
Morioka	MRK	Iwate,Japan	39.6967N 141.1667E	154	
Morioka 2	MRKJ	Iwate,Japan	39.5988N 141.3238E	380	From 1992-02-21
Moriya	MRJ	Ibaraki,Japan	35.9425N 140.0044E	1	
Mormanno	MMN	Italy	39.8901N 15.9905E		
Morne Balai	BAMF	Martinique,France	14.8157N 61.1483W	670	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Morne-Daniel	MDN	Dominica	15.3185N	61.3923W	99	From 1981-03-16
Morne Jacques	MJM	Martinique,France	14.7887N	61.0708W	400	
Morne La Croix	CXM	Martinique,France	14.8113N	61.1685W	1240	
Morne Lapointe	LPMF	Martinique,France	14.5745N	60.9663W	130	
Morne Lenard	PML	Martinique,France	14.7810N	61.1838W	370	
Morne Mazeau, Deshaies	GDHS	Guadeloupe,France	16.2727N	61.7651W	618	
Morne Pavillon	PAMF	Martinique,France	14.6138N	61.0363W	120	
Morne Pois Martinique	MPOM	Martinique,France	14.4447N	60.8588W	38	From 2012-10-01
Morne Soldat	MSGF	Guadeloupe,France	16.0987N	61.7220W	851	
Morne Tabac	SLTA	St Lucia	13.8704N	61.0399W	550	
Morning Glory Mine	PV19	Colorado,U.S.A.	38.3098N	108.9831W	2041	
Morogoro	MGOR	Tanzania,United Republic of Tanzania	6.8278S	37.6697E	505	
Morong	MNP	Luzon,Philippines	14.6798N	120.2780E	12	
Morongo Valley	MRVC	California,U.S.A.	34.1558N	116.5020W	1239	From 1978-03-01
Morovis	MOV	Puerto Rico	18.2987N	66.3666W	485	From 1977-02-15 to 1999-08-25
Morphett Vale	MPTV	South Australia,Australia	35.1301S	138.5374E	100	From 2010-05-27
Morrinhos-CE	NBMO	Ceara,Brazil	3.3107S	40.0414W	95	From 2011-05-16
Morristown	H60A	Vermont,U.S.A.	44.5606N	72.6986W	459	From 2013-09-21
Morrocoy	MORO	Venezuela	10.8722N	68.3161W	920	From 1984-01-01
Morro de la Arena	MACI	Canary Islands,Spain	28.2502N	16.5082W	1674	
Morro Solar	PT01	Peru	12.0150S	77.0317W	250	
Morse	542A	Louisiana,U.S.A.	30.1247N	92.5513W	-1	From 2011-02-15 to 2012-12-07
Morshin	MORS	Ukraine	49.1330N	23.8940E	262	
Morshin	MRSS	Ukraine	49.1330N	23.8940E	262	
Morshyn	MORU	Ukraine	49.1240N	23.8760E	260	From 1978-01-01
Morsiglia	MORSI	Corse,France	42.9530N	9.3630E	100	From 2011-05-09
Morton Thiokol	MTUT	Utah,U.S.A.	41.7092N	112.4547W	1373	
Moschato	MOS1	Greece	37.9531N	23.6819E	24	From 2012-09-15
Moscow	MOS	Moskovskaya Oblast',Russia	55.7383N	37.6250E	121	
Moseley Ranch, Sierra Blanca	324A	Texas,U.S.A.	31.4425N	105.4828W	1441	From 2008-02-23 to 2010-01-14
Mose, Pekin	C30A	North Dakota,U.S.A.	47.7026N	98.4783W	480	From 2009-08-06 to 2011-07-14
Moshi	MOSH	Tanzania,United Republic of Tanzania	3.3053S	37.3292E	992	
Mosicchio (Amatrice)	RM25	Italy	42.6223N	13.2815E	976	From 2009-06-18 to 2009-07-06
Moslavina	MOSL	Croatia	45.6135N	16.7544E	480	
Mosqueruela	EMOS	Spain	40.3639N	0.4721W	1694	
Moss Hill, Ennis	G16A	Montana,U.S.A.	45.2285N	111.8046W	1769	From 2007-09-24 to 2009-06-09
Mostar	MST	Bosnia and Herzegovina	43.3500N	17.8167E	70	
Mosteiros	SET4	Azores,Portugal	37.8747N	25.7988W	402	From 1998-12-01
Mosul	MSL	Iraq	36.4000N	43.1100E	242	From 1981-07-01
Motapaya	MOTP	Gujarat,India	23.8558N	69.7746E	-20	From 2012-01-01
Mo Tay, Goldonna	241A	Louisiana,U.S.A.	32.0227N	92.9188W	59	From 2011-02-10 to 2012-12-01
Motegi	MGJ	Tochigi,Japan	36.5535N	140.2167E	140	
Motopi	MTP1	Botswana	20.2300S	24.0990E	936	From 2001-01-01 to 2100-12-31
Motril	EXMO	Spain	36.7270N	3.5360W	55	
Motta S. Anastasia	EMSA	Sicily,Italy	37.4980N	14.9450E	138	From 2014-02-17
Motta San Giovanni	MTTG	Italy	38.0019N	15.6939E	490	
Motutapu	MTAZ	North Island,New Zealand	36.7865S	174.9056E	-4	From 1995-02-21 to 2012-10-09
Motutapu North Island, New Zealand	MBAZ	North Island,New Zealand	36.7688S	174.8979E	-36	From 2012-10-08
Motz Farm, Whitney	K26A	Nebraska,U.S.A.	42.7016N	103.1783W	1122	From 2008-11-15 to 2010-10-03
Moucha	MCAD	Djibouti	11.7303N	43.2120E	4	From 1994-01-01
Moudon ˜cole, VD	SMOE	Switzerland	46.6715N	6.8003E	527	From 2015-03-02
Mouk	IMOK	Iran	29.0461N	52.7146E	2788	From 2002-10-01
Mould Bay	NP-NT	Northwest Territories,Canada	76.2522N	119.3717W	59	
Mould Bay	MBC	Northwest Territories,Canada	76.2417N	119.3600W	15	From 1961-10-18 to 2004-11-10
Moule a Chique	MCLT	St Lucia	13.7096N	60.9412W	220	
Moulis	MLS	Midi-Pyrenees,France	42.9578N	1.0947E	450	
Moumakai	MKAZ	North Island,New Zealand	37.1041S	175.1612E	77	From 1995-01-10
Mounoet Dainard	MNB	British Columbia,Canada	52.1987N	118.3830W	2271	
Mount Abel	ABL	California,U.S.A.	34.8508N	119.2210W	1981	From 1976-06-01
Mount Adagdak	ADAG	Alaska,U.S.A.	51.9802N	176.6017W	286	
Mount Adams	AMW	North Island,New Zealand	41.3078S	175.7610E	400	From 1991-03-22 to 2000-10-10
Mount Adams--Stagman Ridge	ASR	Washington,U.S.A.	46.1507N	121.5930W	1280	
Mountain	G42A	Wisconsin,U.S.A.	45.2418N	88.4277W	315	From 2011-09-30 to 2013-06-04
Mountain Creek	FALL	British Columbia,Canada	53.2780N	132.4601W	391	
Mountain Grove	MGMO	Missouri,U.S.A.	37.1540N	92.2687W	453	
Mountain Home	MO-	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Home	MO-ID	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Pass	MTPC	Nevada,U.S.A.	35.4848N	115.5533W	1582	
Mountain Pine	MP-AR	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain Pine	MP-	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountainview	V41A	Arkansas,U.S.A.	35.7851N	92.1554W	413	From 2011-05-12 to 2013-02-17
Mountain View	MVH	Hawaii,U.S.A.	19.5042N	155.0620W	409	
Mountain View	T41A	Missouri,U.S.A.	37.0436N	91.7636W	366	From 2011-05-08 to 2013-03-18
Mount Airy	MANY	New York,U.S.A.	41.2220N	73.8686W	133	
Mount Amassa	ASI	Israel	31.3300N	35.0950E	850	From 1983-08-01 to 1984-10-31
Mount Arapiles	ARPS	Victoria,Australia	36.7699S	141.8383E	213	From 2000-12-01
Mount Atzmon	ATZ	Israel	32.8216N	35.2697E	510	From 1986-01-01
Mount Bagana	BGA	Bougainville,Papua New Guinea	6.1500S	155.1800E	1000	From 1984-01-01
Mount Baker	MU-WA	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mount Baker	MBW	Washington,U.S.A.	48.7840N	121.9000W	1676	From 1972-11-08
Mount Baldy Ranger Station	BFSC	California,U.S.A.	34.2388N	117.6585W	1312	From 2001-07-10
Mount Belmont	BEMT	Montana,U.S.A.	46.7483N	112.3300W	2228	
Mount Berech	MBH	Israel	29.7925N	34.9153E	842	From 1986-06-18 to 2007-06-18
Mount Bingar	MBA	New South Wales,Australia	34.1250S	146.2370E		From 1961-01-01 to 1962-12-31
Mount Brisbane	WMBQ	Queensland,Australia	27.1155S	152.5500E	160	From 1977-03-18
Mount Bullion	MBUM	California,U.S.A.	37.5597N	120.0756W	1248	
Mount Cameroon	MOC	Cameroon	4.2869N	9.2169E	2475	From 1985-11-23 to 1990-12-31
Mount Cameroon	MOKC	Cameroon	4.2583N	9.2500E	2040	
Mount Carmel	CRI	Israel	32.6820N	35.0450E	450	From 1983-07-01 to 1999-08-25
Mount Cartier	CARB	British Columbia,Canada	50.9000N	118.0530W	2294	
Mount Castle	MCAS	Papua New Guinea	6.3719S	143.4833E	1950	From 1996-08-31
Mount Claude	CLAW	Tasmania,Australia	41.4920S	146.1830E	900	
Mount Constitution	MCW	Washington,U.S.A.	48.6797N	122.8320W	693	From 1972-11-08
Mount Cooper	MCPQ	Queensland,Australia	20.5500S	146.8065E	300	From 1984-02-23
Mount Cotopaxi	CPXM	New South Wales,Australia	34.4765S	150.6248E	622	
Mount Darwin	MTD	Zimbabwe	16.7800S	31.5833E	967	From 1971-06-01
Mount Davis	MDA	California,U.S.A.	33.9130N	116.9990W	845	
Mount Denham	MTDJ	Jamaica	18.2261N	77.5345W	925	
Mount Diablo	MDC	California,U.S.A.	37.8817N	121.9140W	1173	From 1967-05-27 to 1974-06-01
Mount Ellis	MEMT	Montana,U.S.A.	45.6040N	110.9697W	1951	From 1987-10-15
Mount Erie	ERW	Washington,U.S.A.	48.4540N	122.6251W	389	
Mount Fremont	FMW	Washington,U.S.A.	46.9317N	121.6720W	1890	From 1972-09-04
Mount Gambier	MGBR	South Australia,Australia	37.7283S	140.5710E	190	
Mount Gibbes	MGNC	North Carolina,U.S.A.	35.7363N	82.2855W	1973	
Mount Gilboa	MGI	Israel	32.4391N	35.4117E	300	
Mount Grey	MGB	British Columbia,Canada	49.0000N	124.6920W	1300	From 1983-12-01
Mount Hagen	HAGN	Papua New Guinea	5.8304S	144.2978E	1650	From 2013-03-22
Mount Hagen	VMHM	Oregon,U.S.A.	44.1377N	122.4070W	902	
Mount Hamilton	MHC	California,U.S.A.	37.3416N	121.6426W	1250	From 1887-01-01
Mount Hamilton Road	MHR	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mount Harif	HRFI	Israel	30.0364N	35.0370E	438	From 2002-05-20
Mount Harkness	LHKM	California,U.S.A.	40.4353N	121.2780W	2060	
Mount Harlan	BMHM	California,U.S.A.	36.6863N	121.4130W	811	From 1975-01-29
Mount Hebo	HEBO	Oregon,U.S.A.	45.2137N	123.7542W	875	
Mount Hebo	VHOM	Oregon,U.S.A.	45.2192N	123.7250W	951	
Mount Hermon	HRI	Israel	33.2660N	35.7340E	1015	From 1983-07-01
Mount Hood Meadows	HOOD	Oregon,U.S.A.	45.3216N	121.6522W	1520	
Mount Hope	RD03	Ontario,Canada	43.1832N	79.9440W	198	
Mount Hope	MHPQ	Queensland,Australia	21.3960S	146.8020E	200	From 1984-04-10
Mount Hope	HOPM	Victoria,Australia	35.9964S	144.2046E	140	
Mount Horn	MHZ	South Island,New Zealand	45.0606S	169.2796E	1127	From 1984-06-06 to 1996-04-29
Mount Humbug	HBMT	Montana,U.S.A.	45.7930N	112.6080W	2481	From 1990-08-08
Mount Hutt	MHCZ	South Island,New Zealand	43.5316S	171.5679E	648	From 2013-05-20
Mount Ida	MIAR	Arkansas,U.S.A.	34.5454N	93.5765W	207	From 1992-09-23
Mount Ida	MZ-AR	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Ida	MZ-	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Irish	MTI	Nevada,U.S.A.	37.6758N	115.2759W	1536	From 1979-06-08 to 2002-10-10
Mount Isa	QIS	Queensland,Australia	20.5577S	139.6052E	450	From 1987-06-15
Mount Isa	ISQ	Queensland,Australia	20.7150S	139.5530E	500	From 1979-08-21 to 1987-06-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mount John	MJZ	South Island,New Zealand	43.9855S	170.4663E	1000	From 1965-05-29 to 1980-06-26
Mount John Pukaki	MJP	South Island,New Zealand	43.9895S	170.4596E	960	From 1975-06-18 to 1983-11-21
Mount Johnson	BJOM	California,U.S.A.	36.6283N	121.3130W		From 1974-01-31
Mount Kelaz	KELA	Alaska,U.S.A.	58.4400N	155.7407W	975	
Mount Kenneth	MTKN	Western Australia,Australia	31.9333S	115.7736E	61	From 2009-04-01
Mount Kliuchef	KOKL	Alaska,U.S.A.	52.3232N	174.2002W	758	
Mount Konoctai	GMKM	California,U.S.A.	38.9695N	122.7870W	906	From 1975-04-18
Mount Lassen	LAS	California,U.S.A.	40.4752N	121.5080W	2650	From 1973-10-01 to 1974-07-16
Mount Lazard	LZB	British Columbia,Canada	48.6117N	123.8236W	844	
Mount Lewis	CMLM	California,U.S.A.	37.4773N	121.6510W	1076	
Mount Logan	MTLAZ	Arizona,U.S.A.	36.3530N	113.1990W	2418	
Mount Lospe	PMLM	California,U.S.A.	34.8947N	120.6093W	468	
Mount Malkishua	MMLI	Israel	32.4379N	35.4216E	511	
Mount Malkishua	MML	Israel	32.4351N	35.4133E	510	From 1986-05-01 to 2001-07-18
Mount Mary	MMP	South Island,New Zealand	44.1408S	170.2784E	950	From 1975-06-18 to 1983-11-21
Mount Meron	MNRI	Israel	33.0100N	35.3870E	900	
Mount Meron	MRNI	Israel	33.0120N	35.3920E	900	
Mount Meron	MMR	Israel	32.9900N	35.4200E	1108	From 1991-05-01
Mount Meron array	MMC1	Israel	33.0305N	35.4037E	827	From 2004-01-01
Mount Meron array	MMC5	Israel	33.0087N	35.4127E	766	From 2004-01-01
Mount Meron array	MMA4	Israel	33.0146N	35.3975E	851	From 2004-01-01
Mount Meron array	MMA1	Israel	33.0181N	35.4062E	776	From 2004-01-01
Mount Meron array	MMB1	Israel	33.0151N	35.4108E	733	From 2004-01-01
Mount Meron array	MMC7	Israel	33.0221N	35.3926E	816	From 2004-01-01
Mount Meron array	MMB2	Israel	33.0097N	35.3953E	878	From 2004-01-01
Mount Meron array	MMC4	Israel	33.0072N	35.4186E	750	From 2004-01-01
Mount Meron array	MMB3	Israel	33.0195N	35.3971E	812	From 2004-01-01
Mount Meron array	MMC3	Israel	33.0183N	35.4138E	713	From 2004-01-01
Mount Meron array	MMA2	Israel	33.0125N	35.4057E	776	From 2004-01-01
Mount Meron array	MMB4	Israel	33.0208N	35.4020E	806	From 2004-01-01
Mount Meron array	MMA0	Israel	33.0152N	35.4031E	810	From 2004-01-01
Mount Meron array	MMC2	Israel	33.0268N	35.4116E	701	From 2004-01-01
Mount Meron array	MMA0B	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Meron array	MMC6	Israel	33.0120N	35.3915E	893	From 2004-01-01
Mount Meron array	MMA3	Israel	33.0121N	35.4006E	792	From 2004-01-01
Mount Meron Array Beam Reference Point	MMAI	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Michael	MMCZ	South Island,New Zealand	45.0021S	169.1314E	1163	From 1989-06-29 to 1996-04-27
Mount Mitchell	MTMW	Washington,U.S.A.	46.0255N	122.2120W	1121	
Mount Mocho	CMMM	California,U.S.A.	37.4557N	121.4940W	1117	
Mount Montar	MOI	Israel	31.7350N	35.3491E	140	
Mount Morgan	MORG	Queensland,Australia	23.7626S	150.3901E	170	
Mount Moriah Church	MMCS	South Carolina,U.S.A.	34.7798N	82.9152W	280	
Mount Morrison	MTW	North Island,New Zealand	41.1579S	175.5016E	311	From 1979-06-29
Mount Natib	NBP	Luzon,Philippines	14.7420N	120.4160E	585	
Mount Nelson	NELS	Tasmania,Australia	42.9271S	147.3326E	348	
Mount Ogden	MOUT	Utah,U.S.A.	41.1849N	111.8790W	2743	From 1980-09-01
Mount Olympus	OLYC	California,U.S.A.	33.4313N	117.1180W	482	
Mount Oso	COSM	California,U.S.A.	37.5085N	121.3740W	1020	
Mount Ozzard	OZB	British Columbia,Canada	48.9603N	125.4930W	671	
Mount Pasian	MPP	Mindanao,Philippines	7.8972N	126.0180E	1130	From 1975-09-01 to 1980-01-17
Mount Pierce	KMPM	California,U.S.A.	40.4173N	124.1200W	957	
Mount Pierson	MTPU	Utah,U.S.A.	38.0415N	112.1843W	3112	From 2009-10-24
Mount Pinos, Frazier Park	MPI	California,U.S.A.	34.8126N	119.1453W	2673	From 2000-11-01
Mount Rainier--Camp Muir	RCM	Washington,U.S.A.	46.8358N	121.7318W	3085	
Mount Rainier--Camp Schurman	RCS	Washington,U.S.A.	46.8710N	121.7310W	2877	From 1989-06-27
Mount Rainier--Emerald Ridge	REMR	Washington,U.S.A.	46.8192N	121.8409W	1756	From 1989-07-12
Mount Rainier--Summit	RSU	Washington,U.S.A.	46.8533N	121.7631W	4440	
Mount Rainier--Voight Creek	RVC	Washington,U.S.A.	46.9429N	121.9710W	1000	
Mount Ramon	RMN	Israel	30.4970N	34.6270E	1000	
Mount Ramon	RMNI	Israel	30.5964N	34.7620E	853	
Mount Read	MTRD	Tasmania,Australia	41.8464S	145.5436E	1080	
Mount Saint Catherine	GRW	Grenada	12.1600N	61.6610W	762	From 1978-04-09
Mount Saint Helena	SHC	California,U.S.A.	38.6703N	122.6340W	1200	From 1973-12-07 to 1977-01-20
Mount Saint Helena	NMHM	California,U.S.A.	38.6695N	122.6340W	1331	From 1977-01-20
Mount Saint Helena South	NHSM	California,U.S.A.	38.6565N	122.6144W	1213	
Mount Saint Helens	SHW	Washington,U.S.A.	46.1925N	122.2370W	1423	From 1972-10-25
Mount Saint Helens Crater	VALT	Washington,U.S.A.	46.2142N	122.1893W	1681	From 2006-09-23
Mount San Antonio	MSA	New Mexico,U.S.A.	36.8592N	106.0180W	3322	From 1975-10-09
Mount Santo Tomas	MSP	Luzon,Philippines	16.3333N	120.5667E	2000	From 1975-10-01
Mount Sar Shalom	MSM	Israel	33.0610N	35.2790E	500	From 1983-03-19 to 1983-07-14
Mount Sheppard	MTSH	North Carolina,U.S.A.	35.7556N	79.9528W	361	
Mount Sheridan	YMS	Wyoming,U.S.A.	44.2640N	110.5278W	3106	
Mount Signal	SGL	California,U.S.A.	32.6492N	115.7250W	110	From 1973-04-16
Mount Sodom	SDOM	Israel	31.0800N	35.3900E	-200	
Mount Spurr	SPU	Alaska,U.S.A.	61.1817N	152.0540W	800	From 1971-08-10
Mount St. Helen	MSH31	Washington,U.S.A.	46.3085N	119.3380W	117	From 2005-08-14
Mount St. Helen	MSH21	Washington,U.S.A.	46.3079N	122.2660W	1040	From 2004-10-30
Mount St. Helen	MSH11	Washington,U.S.A.	46.2078N	119.0377W	97	From 2004-10-28
Mount Surprise	MTSU	Queensland,Australia	18.1342S	144.3168E	460	From 2002-11-06
Mount Tamalpais	NTPM	California,U.S.A.	37.9200N	122.5630W	274	
Mount Tarawera	TARZ	North Island,New Zealand	38.2356S	176.5059E	1012	From 2007-11-22
Mount Tassie	MTV	Victoria,Australia	38.4017S	146.5660E	740	
Mount Tassie Tower	MTLM	Victoria,Australia	38.4015S	146.5642E	755	
Mount Taylor	MTL	New Mexico,U.S.A.	35.2519N	107.5960W	3335	From 1975-10-15
Mount Thompson	THOB	British Columbia,Canada	52.6900N	119.1220W	2499	From 1972-10-15 to 1999-08-25
Mount Tsukuba	MTJ	Ibaraki,Japan	36.2108N	140.1100E	286	From 1921-01-01
Mount Umunhum	JUMM	California,U.S.A.	37.1608N	121.8980W	1048	
Mount Union College	MUCO	Ohio,U.S.A.	40.9050N	81.1090W	365	
Mount Varzin	EVZ	New Britain,Papua New Guinea	4.3960S	152.1550E	597	
Mount Washington	MWAB	British Columbia,Canada	49.7411N	125.3032W	1176	From 2009-07-31
Mount Wilson	MWC	California,U.S.A.	34.2238N	118.0580W	1730	From 1928-04-23
Mount Yahel	MYI	Israel	31.1990N	35.2160E	500	
Mount Yoash	YASH	Israel	29.5850N	34.8810E	718	
Mount Zion Church	ZIN	South Carolina,U.S.A.	33.1072N	80.1628W	30	From 1977-10-23
Moura State High School	AUMOU	Queensland,Australia	24.5800S	149.9800E	153	From 2013-08-11
Moutere Station	MSCZ	South Island,New Zealand	45.0914S	169.4118E	701	From 1986-12-09 to 1996-05-01
Mouthoumet	MTHF	Languedoc-Rousillon,France	42.9386N	2.5339E	620	From 1989-01-01
Moxa	MOX	Thuringen,Germany	50.6447N	11.6156E	455	
Moxie City	MXC	Washington,U.S.A.	46.5772N	120.2930W	540	
Moye	OG06	Rhone-Alpes,France	45.8810N	5.8902E	650	From 1992-04-14
Moyogalpa	MOYN	Nicaragua	11.5357N	85.6958W	50	
Moyori	MYR	Tokachi,Japan	42.2918N	143.2837E	80	From 1971-11-03
Moyuta	MYT	Guatemala	14.0472N	90.0642W	1325	From 1983-10-01
Mozjanca	MOZS	Slovenia	46.2941N	14.4433E	660	From 2005-07-07
Mpanda	PNDA	Tanzania,United Republic of Tanzania	6.3520S	31.0613E	1065	
MQLS	MQLS	Saudi Arabia	26.6310N	47.4501E	371	
Mrakovica	MRAK	Bosnia and Herzegovina	45.0130N	16.9000E	850	
Mrkonjic Grad	MGRS	Bosnia and Herzegovina	44.4170N	17.0840E	560	From 2012-08-01
Mtatsminda	MTA	Georgia,Georgia	41.6939N	44.7925E	515	From 2004-01-01
Mt Baker	MU-	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mt Berech	MBRI	Israel	29.7942N	34.9140E	850	From 2007-06-19
Mt. Cagua	SGCP	Luzon,Philippines	18.2420N	122.0460E	50	
Mt Clear College-Earth Ed	AUMTC	Victoria,Australia	37.6100S	143.8800E	48	From 2013-05-15
Mt. Diablo Meridian	O02D	California,U.S.A.	40.1766N	122.7884W	965	From 2010-08-01
Mte Cammarata	MCT	Sicily,Italy	37.6311N	13.6336E	1565	
Mte del Estrado	MEP	Puerto Rico	18.1458N	66.9811W	880	From 1990-07-01 to 1999-08-25
M.te Sabotino	SABO	Italy	45.9800N	13.6000E	600	
Mte Sant'Angelo	FG3	Italy	41.7074N	15.9494E	858	
Mte Valcellina	RE1	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mte Valcellina	RCL	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mt Hamilton Road	CMHM	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt Hamilton Road	NHMM	California,U.S.A.	38.1547N	121.8003W		From 1969-03-04
Mt Hamilton Road	CB10	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt Longido	LGDO	Tanzania,United Republic of Tanzania	2.7250S	36.6983E	1375	
Mt. Morris Dam	MMNY	New York,U.S.A.	42.7319N	77.9066W	241	From 2008-05-01
Mt. Pleasant	Z38A	Texas,U.S.A.	33.2599N	94.9851W	116	From 2010-04-24 to 2012-01-23
Mt Rat	MRAT	South Australia,Australia	34.6300S	137.6254E	120	From 2007-02-01
Mts of Mourne	GMM	Northern Ireland,United Kingdom	54.2390N	5.9510W	140	From 1989-01-01
Mt St Catherine	MCG	Grenada	12.1600N	61.6610W	762	From 1977-07-01 to 1978-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mt Stromlo	AUMTS	Australian Capital Territory,Australia	35.3200S	149.0000E	667	From 2011-05-04
Mt Trumbull	U14A	Arizona,U.S.A.	36.4182N	113.1805W	1916	From 2007-02-18 to 2008-11-13
Mt Valcellina	MRVI	Italy	46.1600N	12.6533E		From 1977-08-03 to 1999-08-25
Muan gun	KSMAN	Republic of Korea	35.0939N	126.2850E	57	From 2000-01-20
Muara Teweh, Kalimantan	MTKI	Kalimantan,Indonesia	0.9418S	114.8959E	114	From 2008-12-01
Mucha	TWA	Taiwan region	24.9803N	121.5837E	260	From 1972-08-29
Mudanjiang	MDJ	Jilin,China	44.6164N	129.5920E	250	
Mudanya-Bursa	MDNY	Turkey	40.3690N	28.8840E	110	From 2008-07-09
Mudaysisat	MDSJ	Jordan	31.6320N	36.2520E	970	From 1985-12-20
Mud Lake	MUDI	Idaho,U.S.A.	43.6189N	111.0770W	2124	From 1986-01-01 to 2005-03-26
Muduarah	MDRJ	Jordan	29.4420N	35.8200E	900	From 1990-04-26
Muduarah	MUDJ	Jordan	29.4220N	35.8200E	900	
Mudurnu	MDUB	Turkey	40.4711N	31.1976E	1108	From 2008-05-22
Mudurnu	MDU	Turkey	40.4653N	31.2145E	740	From 1995-12-21 to 2008-05-22
Mudurnu	MUT	Turkey	40.4647N	31.2119E	960	From 1979-01-01 to 1999-08-25
Mud Volcano	MVW	Wyoming,U.S.A.	44.6225N	110.4420W	2415	From 1972-10-01
Muff Farm, Clarinda	N36A	Iowa,U.S.A.	40.8156N	94.9604W	349	From 2010-11-19 to 2012-08-31
Muggio	MUGIO	Switzerland	45.9219N	9.0417E	830	From 2002-01-24
Mu¯la/Merkez-¯kizce	MULA	Turkey	37.2561N	28.3208E	973	From 2014-12-04
Muharraq	BMU	Bahrain	26.2350N	50.6600E		
Muhayil	MOHS	Saudi Arabia	18.5761N	42.0190E	520	
Muhor-Tarhata, Altay Republic, Russia	SLNR	Altayskiy Kray,Russia	49.7770N	88.4670E	2057	From 2003-10-18
Muirshiel	PMSU	Scotland,United Kingdom	55.8459N	4.7452W	351	From 1990-01-01 to 1991-01-01
Mukachevo	MUKU	Ukraine	48.4536N	22.6874E	125	From 1996-08-14
Mukerian	MUK	Punjab,India	31.9500N	75.6167E		
Mukjeong-gil	SMKB	Republic of Korea	35.6891N	126.5561E	52	From 2011-12-07
Mula	EXMU	Spain	38.0390N	1.4940W	340	
Muldenberg	MULD	Sachsen,Germany	50.4117N	12.4040E	678	From 2007-12-20
Muleba	MLBA	Tanzania,United Republic of Tanzania	1.8377S	31.6697E	1335	
Muleshoe	MSTX	Texas,U.S.A.	33.9696N	102.7724W	1167	From 2008-04-23
Mulgathing	MULG	South Australia,Australia	30.2818S	134.0585E	216	From 2013-07-17
Mulgrave and Derry, QC.	MGDQ	Quebec,Canada	45.7189N	75.4854W	141	From 2011-11-22
Mulino	G04A	Oregon,U.S.A.	45.2059N	122.4784W	272	From 2005-11-09 to 2008-11-12
Mullan	MUL	Idaho,U.S.A.	47.4617N	115.7820W	1300	From 1968-01-01
Mullinville	S31A	Kansas,U.S.A.	37.6193N	99.4845W	700	From 2009-04-14 to 2011-03-10
Mull of Kintyre	GMK	Scotland,United Kingdom	55.3459N	5.5936W	160	From 1989-01-01
Mullumbimby High School	AUMUL	New South Wales,Australia	28.5600S	153.0400E	60	From 2013-06-24
Multi FST (Faido)	MFSFB	Switzerland	46.5055N	8.8045E	441	From 2005-12-15
Multi FST (Faido)	MFSFA	Switzerland	46.5004N	8.8080E	427	From 2005-12-15
Mulungwishi	MLN	Democratic Republic of the Congo	10.7833S	26.6250E	1200	From 1970-11-30 to 1976-12-31
Mummy Mountain	MMA	Arizona,U.S.A.	33.5544N	111.9580W	426	From 1971-05-17 to 1973-01-18
Munchique	MUNC	Colombia	2.4693N	76.9569W	3007	From 1994-01-01
Muncho Lake	MUB	British Columbia,Canada	58.9550N	125.7570W	1100	
Mundaring	MUN	Western Australia,Australia	31.9783S	116.2080E	253	From 1959-07-31 to 2008-04-21
Mungyeong	KSMGY	Republic of Korea	36.6552N	128.0608E	209	From 2006-12-30
Mungyeong	KSMUG	Republic of Korea	36.6213N	128.1506E	170	From 2000-02-23 to 2006-12-30
Munich	MNH	Bayern,Germany	48.1500N	11.6000E	528	From 1905-01-01 to 1943-12-31
Munster	MWG	Nordrhein-Westfalen,Germany	51.9627N	7.6241E	58	
Muntele Rosu	MLR	Romania	45.4909N	25.9450E	1360	
Muong La station	MLAV	Vietnam	22.0392N	103.1550E	205	From 2010-01-01
Muotathal	MUO	Switzerland	46.9676N	8.6371E	1920	From 1981-11-24
Murafatepe	MRFT	Turkey	40.5036N	33.4547E	1500	From 1992-01-01 to 1992-07-31
Muraz-Klaeranlage	SMUK	Switzerland	46.2863N	6.9406E	388	From 2006-04-03
Muraz-Reservoire	SMUR	Switzerland	46.2772N	6.9205E	480	From 2006-04-03
Murefte	MFT	Turkey	40.7867N	27.2812E	924	From 1978-10-01
Murfatlar	MFTR	Romania	44.1779N	28.4224E	98	From 2012-11-12
Murgab	MUR	Tajikistan	38.3667N	73.9333E	3860	
Murgab	MUP	Tajikistan	38.1200N	73.9500E	3800	From 1947-01-01 to 1993-01-01
Muriti-CE	NBMA	Ceara,Brazil	7.3654S	38.7641W	437	
Muro Lucano	MRLC	Italy	40.7564N	15.4889E	605	
Muro Lucano (Serra Campolungo)	SCL3	Italy	40.6951N	15.5114E	744	
Muro Lucano (Varco Staccarino)	VDS3	Italy	40.7408N	15.4270E	1154	
Muroran	MRR	Iburi,Japan	42.3100N	140.9817E	43	From 1923-06-01
Muroran 2	MRRJ	Iburi,Japan	42.4250N	141.0720E	-15	
Murotomisaki	MRT	Kochi,Japan	33.2483N	134.1800E	186	
Muroto Misaki	MRMJ	Kochi,Japan	33.2444N	134.1805E	10	From 1995-05-31
Murotomisaki 2	MRT2	Kochi,Japan	33.3863N	134.1432E	200	From 1994-01-27
Murphy	W52A	North Carolina,U.S.A.	35.0935N	83.9277W	519	From 2012-04-15
Murphy	MYNC	North Carolina,U.S.A.	35.0739N	84.1279W	550	
Murphy Dome	MDM	Alaska,U.S.A.	64.9588N	148.2300W	634	From 1990-02-16
Murphy's Point	MPPO	Ontario,Canada	44.7700N	76.2648W	143	
Murrieta	MURC	California,U.S.A.	33.6000N	117.1954W	562	From 2005-07-25
Murupara	MUGZ	North Island,New Zealand	38.4771S	176.7705E	337	From 2011-03-29
Murzuk	LUMB	Libya	26.1382N	14.7520E	474	
Musan	KSMUS	Republic of Korea	37.8881N	126.7594E	40	From 2002-10-19
Mushullacta	MUSH	Ecuador	1.7147S	77.8392W	1010	From 1995-10-06
Musihges	OG34	Rhone-Alpes,France	46.0113N	5.9600E	445	From 2002-08-06
Muskinabad	MUS	Tajikistan	38.6833N	69.6000E		
Mu¯-Merkez	MUSM	Turkey	38.7240N	41.5118E	1357	From 2013-03-21
Musomiste	MMB	Bulgaria	41.5892N	23.7278E	606	From 1983-08-01
Musselwhite Mine	MUMO	Ontario,Canada	52.6128N	90.3914W	316	
Musuan	BUKP	Mindanao,Philippines	7.8790N	125.0620E	471	
Mutare	MUZ	Zimbabwe	18.9950S	32.6267E	0	
Mutkov	MUVC	Czech Republic	49.8002N	17.2782E	636	From 2013-07-01
Mutkov	MUTC	Czech Republic	49.7990N	17.2837E	614	
Mutnovka	MTVR	Kamchatskaya Oblast',Russia	52.4830N	158.1830E	1394	From 2008-12-23
Mutnovskaya	MTNS	Kamchatskaya Oblast',Russia	52.5200N	158.1900E	837	From 1983-09-01 to 1983-09-30
Mutribah	MIB	Kuwait	29.8032N	47.3388E	125	
Muttenz-Waldhaus	SMZW	Switzerland	47.5476N	7.6473E	272	From 1996-12-13
Muzaffarabad	MUZF	Jammu and Kashmir,India	34.3600N	73.4900E	1165	From 2006-06-15
Muzera	MZR	Abu Dhabi,United Arab Emirates	23.0024N	53.4794E	300	
MW Ranch, Wilsonville	O30A	Nebraska,U.S.A.	40.1791N	100.0571W	751	From 2009-05-29 to 2011-04-04
Myakit	MYAS	Magadanskaya Oblast',Russia	61.4070N	152.0930E	670	
Myers Farm, Uniontown	E10A	Washington,U.S.A.	46.4850N	117.1102W	903	From 2006-09-28 to 2008-06-20
Myklebust	N2B2	Norway	61.7210N	5.1780E	25	
Mylavaram	MYLAV	India	16.7490N	80.6340E	63	
Mylor	MYLR	South Australia,Australia	35.0448S	138.7537E	385	From 2012-04-16
Myndd Eilian	WME	Wales,United Kingdom	53.3966N	4.3034W	130	From 1985-01-01
Myokensan	MYO	Osaka,Japan	34.9254N	135.4705E	640	
Myponga	MYP	South Australia,Australia	35.4436S	138.4162E	150	From 2006-04-01
Myrtle Point	J01D	Oregon,U.S.A.	43.1614N	123.9314W	131	From 2010-08-06 to 2012-10-03
Myrtle Point	J01E	Oregon,U.S.A.	43.1615N	123.9314W	128	From 2012-10-10
Myrviken	MYV	Sweden	62.9417N	14.3467E	345	From 1981-12-15
Myrvik Farm, Edmore	B30A	North Dakota,U.S.A.	48.4505N	98.3286W	480	From 2009-08-18 to 2011-07-18
Mys Kozlova	MKZ	Kamchatskaya Oblast',Russia	54.5561N	161.7300E		
Mys Kronotskii	KRCS	Kamchatskaya Oblast',Russia	54.7550N	162.1300E	89	
Mys Shipunski	SPN	Kamchatskaya Oblast',Russia	53.0980N	160.0230E	170	
Mys Shultsa	MSHR	Primorskiy Kray,Russia	42.5800N	131.1570E	84	From 2008-10-01
Mytilini	MYT1	Greece	38.0850N	26.5694E	45	From 2014-10-15
Mzuzu	MZM2	Malawi	11.4252S	34.0057E	1265	From 2010-08-23
Mzuzu	MZM	Malawi	11.4252S	34.0057E	1273	
N23	N23	Nevada,U.S.A.	37.3013N	116.6160W	1838	
N3440 Road, Meeker	OK020	Oklahoma,U.S.A.	35.5375N	96.8768W	267	
N3530 Road, Sparks	OK021	Oklahoma,U.S.A.	35.6023N	96.7184W	259	
N3560 Road, Prague	OK022	Oklahoma,U.S.A.	35.5368N	96.6649W	272	
Naalehu	NAA	Hawaii,U.S.A.	19.0633N	155.5870W	205	From 1958-01-01 to 1969-01-01
NAB1	NAB1	Eritrea	13.3873N	41.6553E	1340	
NAB2	NAB2	Eritrea	13.4285N	41.7148E	1177	
NAB3	NAB3	Eritrea	13.3758N	41.7548E	1279	
NAB4	NAB4	Eritrea	13.4787N	41.6787E	693	
NAB5	NAB5	Eritrea	13.3150N	41.7082E	1272	
NAB8	NAB8	Eritrea	13.3348N	41.7982E	655	
Nabeyama	NABD	Kagoshima,Japan	31.4875N	130.7753E	340	
Nabire	NABI	Irian Jaya,Indonesia	3.3269S	135.2403E	0	
Naboro	NAF	Fiji	18.1203S	178.3008E	183	From 1979-10-01 to 1983-04-30
Naches	NAC	Washington,U.S.A.	46.7344N	120.8260W	738	
Nachiki	NCHK	Kamchatskaya Oblast',Russia	53.1202N	157.7602E	465	From 2013-12-05
Nacogdoches	NATX	Texas,U.S.A.	31.7598N	94.6610W	168	From 2004-05-13
N Adams	L48A	Michigan,U.S.A.	41.9438N	84.4329W	369	From 2012-07-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Naden	NDB	British Columbia,Canada	53.9550N	132.9420W	686	
Nadi	NDF	Fiji	17.7569S	177.4500E	30	From 1971-08-05
Nadzab	NADZ	Papua New Guinea	6.5778S	146.7130E	65	
Naegeli Ranch, Trout Creek	C12B	Montana,U.S.A.	47.7092N	115.4750W	801	From 2007-08-27 to 2009-08-02
NAFE	NAFE	France	47.2190N	1.5540W	10	
NAFPAKTOS	NFP	Greece	38.4170N	21.8590E	280	From 2006-01-06
Nagahama	JNA	Ehime,Japan	33.5572N	132.4787E	230	
Nagai Island	NGI	Alaska,U.S.A.	55.0393N	160.0692W	240	
Nagai Island	NAGA	Alaska,U.S.A.	54.9783N	160.1383W	305	From 1996-07-01
Nagano	NGN	Nagano,Japan	36.6600N	138.1950E	419	
Nagara	JCN	Chiba,Japan	35.4183N	140.2017E	40	
Nagarjunasagar	NJS	Andhra Pradesh,India	16.5541N	79.3060E	189	From 2008-09-01
Nagasaki	NGS	Nagasaki,Japan	32.7317N	129.8700E	24	
Nagasakinomozaki	NGSJ	Nagasaki,Japan	32.6327N	129.7987E	20	From 1992-04-25
Nagatsuro	NGT	Shizuoka,Japan	34.6000N	138.8470E	55	
Na-gawa	NGJ	Nagano,Japan	36.1330N	137.7208E	858	
Nage Dongri, Xizang Zizhiqu	RC14	Xizang Zizhiqu,China	29.4972N	86.4373E	4756	From 2002-07-14 to 2002-10-28
Nageezi	U21A	New Mexico,U.S.A.	36.4277N	107.6578W	2124	From 2008-05-23 to 2010-02-07
Nago	NGO	Ryukyu Islands,Japan	26.5950N	127.9730E	7	From 1974-07-01
Nago	NAGO	Ryukyu Islands,Japan	26.0000N	128.1000E		
Nago	NGO1	Ryukyu Islands,Japan	26.5900N	127.9683E	6	From 1987-07-01
Nagor	NGOR	Gujarat,India	23.3100N	69.7300E	170	From 2012-01-01
Nagornyi	NGRS	Sakha,Russia	55.9200N	124.9700E	920	
Nagotoyohara	JNTH	Ryukyu Islands,Japan	26.5185N	128.0222E	46	From 2010-02-01
Nagoya	NAG	Aichi,Japan	35.1650N	136.9680E	56	
Nagpur	NGP	Maharashtra,India	21.1500N	79.0500E	311	
Nagua	NADR	Dominican Republic	19.3541N	69.8561W	4	From 2010-01-30
Nagutskaya	NAGR	Stavropol'skiy Kray,Russia	44.4472N	42.7614E	580	
Nagyer	NGRH	Hungary	46.3704N	20.7332E	101	From 2013-02-12 to 2013-02-25
Naha	NAH	Ryukyu Islands,Japan	26.2167N	127.6833E	11	
Naha	NAH1	Ryukyu Islands,Japan	26.2033N	127.6900E	21	From 1987-02-01
Nahal Hemdat	HMDT	Israel	32.2530N	35.5260E	151	From 1991-05-01
Nahampoana Res	FOMA	Madagascar	24.9756S	46.9788E	26	From 2008-09-01
Nahan	NHN	Himachal Pradesh,India	30.5269N	77.2712E	610	From 2007-05-01
NAHD	NAHD	Egypt	23.8022N	32.7781E	244	
Nahmakanta, Browneville	F63A	Maine,U.S.A.	45.7030N	69.1029W	386	From 2013-09-24
Naiba	NAYS	Sakha,Russia	70.8500N	130.7300E	5	From 1985-01-01 to 2000-11-01
Nailongxiang, Xizang Zizhiqu	NAIL	Xizang Zizhiqu,China	28.6597N	86.4127E	4378	From 2002-06-26 to 2002-11-03
Nain	NANL	Newfoundland,Canada	56.5371N	61.6884W	34	From 2011-07-24
Na'in	NASN	Iran	32.7990N	52.8080E	2800	From 1998-03-28
Nairobi	NAKO	Kenya	1.2739S	36.8037E	1692	
Nairobi	NAI	Kenya	1.2739S	36.8037E	1692	From 1963-06-14
Nairobi	NBI	Kenya	1.2700S	36.8000E	1713	
NAIROBI INFRASONIC ARRAY REFERENCE POINT	B2KE	Kenya	1.2422S	36.8272E	1662	From 2003-06-17
Najran	NJRNS	Saudi Arabia	17.6521N	44.1923E	1593	
Najran	NAJS	Saudi Arabia	17.5034N	44.2847E	1310	
Naju	KSNAJ	Republic of Korea	35.0261N	127.9264E	68	From 2006-12-30
Nakagawa	TNKJ	Hokkaido,Japan	44.7757N	142.0832E	60	
Nakaizu	JIZ	Yamanashi,Japan	34.9129N	138.9968E	263	
Na'kalak'ari	NKK	Georgia,Georgia	41.9300N	45.0200E	1000	
Nakama	JJN	Niigata,Japan	37.1030N	138.1630E	140	
Nakano	NNJ	Nagano,Japan	36.7486N	138.3850E	420	From 1968-07-01 to 1973-03-31
Nakanohara	NKR	Hiroshima,Japan	34.9419N	132.8240E	391	From 1970-12-18
Nakanosawa	NSW	Nagano,Japan	36.4006N	138.5697E	1381	
Nakanoshima	JNN	Ryukyu Islands,Japan	29.8412N	129.8747E	240	
Nakash	JNK	Nemuro,Japan	43.5853N	144.7190E	220	
Nakatsue	JNU	Oita,Japan	33.1217N	130.8783E	540	
Nakayama Pass	NKS	Shiribeshi,Japan	42.8295N	141.0160E	420	From 1977-11-10 to 1978-08-20
Nakchu	DONG	Xizang Zizhiqu,China	31.9789N	90.9127E	4610	From 1998-07-30 to 1999-05-27
Nake	NKE	Ryukyu Islands,Japan	28.3833N	129.5000E		
Nake (Tuamotu)	NAE	Tuamotu,French Polynesia	18.4236S	140.6690W	2	From 1976-01-01
Nakhchivan	NAX	Azerbaijan	39.1740N	45.4950E	927	From 2003-08-01
Nakhl	HNKL	Egypt	29.9293N	33.9804E	455	
Nakhla	NKM	Morocco	35.4481N	5.4100W	158	From 1973-10-01
Nakhon Sawan	NST	Thailand	15.6727N	100.1330E	34	From 1982-09-01
Nakina Ontario	NANO	Ontario,Canada	50.3543N	86.9684W	309	From 2005-08-04
Nakonayok	NAYO	Thailand	14.3152N	101.3209E	106	
Nakonsritamarat	SRIT	Thailand	8.5955N	99.6020E	58	
Nakornpanom	PANO	Thailand	17.1476N	104.6122E	135	
Nalchik	NCK	Russia	43.4955N	43.5956E	500	From 2006-07-24
Nalgonda	NLG	Andhra Pradesh,India	17.0669N	79.2672E	220	From 1974-04-01
Nalia	NALI	Gujarat,India	23.1529N	68.5002E	21	From 2012-01-01
Nallihan	NAL	Turkey	40.2094N	31.3092E	1390	From 1991-01-01 to 1998-09-30
Nalychevo	NALY	Kamchatskaya Oblast',Russia	53.4600N	158.8400E	520	From 1968-06-02 to 1970-01-01
Nalytchevo	NLC	Kamchatskaya Oblast',Russia	53.1711N	159.3450E	20	
Namangan	NAM	Uzbekistan	40.9914N	71.6594E	479	From 1951-01-01
Namanyere	MIKU	Tanzania,United Republic of Tanzania	7.5095S	31.0413E	1545	
Namatanai	NAMA	Papua New Guinea	3.6653S	152.4416E	5	From 1997-10-24
Namche Bazar	NAMC	Nepal	27.8027N	86.7147E	3523	From 2001-10-21 to 2002-10-18
Namhae	KSNAH	Republic of Korea	34.8166N	127.9264E	40	From 2002-10-31
Namlea	NLAI	Ambon,Indonesia	3.2390S	127.0998E	0	From 2007-12-01
Namosi	NMS	Fiji	18.0842S	178.1650E	534	From 1979-10-01
Nampula	NPA	Mozambique	15.0875S	39.2533E	374	From 1974-02-10
Namsos	NSS	Norway	64.5300N	11.9670E	102	From 1987-02-01
Namu Road	NMEZ	North Island,New Zealand	39.4132S	173.8775E	64	From 2009-04-02
Namwon	KSNAW	Republic of Korea	35.4014N	127.3344E	89	From 2000-02-07
Namwon	NAWB	Republic of Korea	35.4213N	127.3964E	76	From 2012-12-01
Nan	NANT	Thailand	18.8000N	100.7000E	264	From 1995-06-01
Nana	NNA	Peru	11.9873S	76.8422W	575	
Nanahuazin	NANS	El Salvador	13.7150N	89.5092W	1160	
Nanaimo	NAB	British Columbia,Canada	49.2225N	124.0040W	256	From 1982-03-23 to 2004-04-03
Nanaimo Lost Lake,BC	NLLB	British Columbia,Canada	49.2274N	123.9881W	192	From 2003-12-30
Nanao	ENAH	Taiwan region	24.4494N	121.8102E	4	From 2011-01-05
Nanao	NANB	Taiwan region	24.4275N	121.7498E	112	From 2003-12-12
Nanau	ENA	Taiwan region	24.4280N	121.7410E	113	
Nancy	T50A	Kentucky,U.S.A.	37.0204N	84.8384W	302	From 2012-05-23
Nango	JANG	Aomori,Japan	40.3735N	141.5152E	270	
Nanjing	NJ2	Jiangsu,China	32.0517N	118.8540E	45	
Nanjing	NJI	Jiangsu,China	32.0633N	118.7830E	10	
Nanjing	NAN	Jiangsu,China	32.0633N	118.7830E	10	
Nanjuang	NSTT	Taiwan region	24.6310N	121.0010E	164	
Nankipoo	NKT	Tennessee,U.S.A.	35.8500N	89.5540W	153	From 1974-06-26 to 1992-02-29
Nanoose	GHNB	British Columbia,Canada	49.3065N	124.2364W	5	From 2004-11-22
Nan Shan	NNS	Taiwan region	24.4400N	121.3730E	1140	
Nanshi	CHN1	Taiwan region	23.1850N	120.5280E	360	
Nantou City	WNT1	Taiwan region	23.9068N	120.6798E	115	From 2014-12-11
Nantucket	NMA	Massachusetts,U.S.A.	41.2947N	70.0261W	3	
Nantucket	M66A	Massachusetts,U.S.A.	41.2590N	70.1353W	9	From 2013-09-28
Nanutarra	NAU	Western Australia,Australia	22.5442S	115.5000E	80	From 1980-04-19 to 1987-10-21
Nanutarra	NANU	Western Australia,Australia	22.5619S	115.5290E	80	From 1987-10-22 to 1995-02-28
Nanwan	SNW	Taiwan region	21.9598N	120.7496E	55	From 2014-08-07
Napay	NAP	Uzbekistan	41.7167N	70.1167E		
Napfberg	NAPF	Bayern,Germany	49.8887N	12.0517E	695	
Napier	NPR	North Island,New Zealand	39.4882S	176.9180E	3	From 1953-03-01 to 1955-03-31
Naples	NPL	Italy	40.8467N	14.2578E	7	
Napoleon	E29A	North Dakota,U.S.A.	46.5682N	99.6420W	628	From 2009-08-19 to 2011-06-28
Napperby	NAPP	South Australia,Australia	33.1828S	138.1478E	181	From 2009-01-01
Naqoura	NAQL	Lebanon	33.1170N	35.1410E	83	From 2008-07-01
Nara	NAR	Nara,Japan	34.6917N	135.8317E	105	
Nara (Leontica)	NARA	Switzerland	46.4603N	8.8981E	1450	From 2005-12-15
Naramoto	NRME	Shizuoka,Japan	34.8266N	139.0645E	200	
Naratenkawa	JNTK	Nara,Japan	34.2702N	135.8840E	840	From 2012-07-01
Narayananagar	NNR	Himachal Pradesh,India	29.7703N	80.2863E	1651	From 2012-01-01
Nardaran	NDR	Azerbaijan	40.5810N	49.9870E	41	From 2003-08-01
Nardues-Aldunate	YNAR	Spain	42.6375N	1.3672W	740	From 2009-12-11
NAREK	NRKZ	Armenia	40.0000N	44.6600E	1040	From 2013-11-15
Nariel	NARM	New South Wales,Australia	36.4302S	147.8448E	550	
Narli-Kahramanmaras	KHMN	Turkey	37.3915N	37.1573E	640	From 2012-11-29
Narlikuyu	NART	Turkey	36.4510N	34.1030E	100	From 1993-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Narni	NARN	Italy	42.5198N	12.5144E	220	From 2013-09-01
Naroch	NACGM	Belarus	54.9037N	26.7830E	189	From 1979-08-17
Naroch'	NE53	Belarus	54.9040N	26.7930E	189	From 1989-10-01
Narrogin	NWA	Western Australia,Australia	32.9270S	117.2340E	365	From 1976-02-13 to 2006-05-29
Narrogin (SRO)	NWAO	Western Australia,Australia	32.9270S	117.2340E	265	From 1976-02-13
Narrow River	NWR	Idaho,U.S.A.	42.0987N	113.4367W	1646	
Narrows	NAV	Virginia,U.S.A.	37.3167N	80.7931W	610	From 1968-01-01 to 2004-09-30
Narsarsuaq	NRS	Greenland	61.1595N	45.4188W	65	
Naryn	NRN	Kyrgyzstan	41.4333N	76.0000E	2849	
Nasa	NAS2	Ecuador	0.6453S	78.4683W	4022	From 2007-08-15
Nasa	NAS1	Ecuador	0.6335S	78.4775W	3880	From 1993-11-24
Nasa Cotopaxi	NCE	Ecuador	0.6611S	78.4972W	3821	From 1977-01-01 to 1982-12-31
Nasa Mountain	NMN	Nevada,U.S.A.	37.0808N	116.8181W	1500	From 1978-11-28
Nasaqa	NAS	Fiji	16.5367S	179.2967E	85	From 1964-01-01 to 1969-12-31
Nasik	NSIK	Maharashtra,India	20.0300N	73.7970E	0	From 1984-05-18
Nassriya	NSR	Iraq	31.0100N	46.1400E	5	From 2009-01-01
Nastanj	TNSJ	Iran	33.9633N	56.6089E	1123	From 2011-08-01
Nasudden	NSD	Sweden	65.1955N	18.8235E		From 1991-01-01
Nata	NATA	Cyprus	34.7789N	32.5699E	381	From 2013-07-01
Natal	NAT	Rio Grande do Norte,Brazil	5.8678S	35.2845W	50	
Natashquan Quebec	NATG	Gulf of St. Lawrence,Canada	50.2872N	62.8102W	-1	From 2005-11-26
Natchez Trace	NATN	Tennessee,U.S.A.	35.8560N	88.2400W	198	From 1985-03-27 to 1987-05-06
Natchez Trace	NAIN	Tennessee,U.S.A.	35.8560N	88.2400W	198	
Nathian	NTP	Pakistan	34.3272N	72.3858E	686	
Nathian	NAT1	Pakistan	34.3460N	72.3900E	650	From 1973-08-23
National Central University	NCU	Taiwan region	24.9700N	121.1870E	134	
National Guard	NGH	Hawaii,U.S.A.	19.7020N	155.0290W	18	
National Taiwan Ocean University, Keelung City	TNOU	Taiwan region	25.1500N	121.7730E	50	From 1999-08-04
Natividade	NATB	Brazil	21.0550S	42.0040W		
Natividade - TO	NTVD	Tocantins,Brazil	11.7106S	47.6801W	349	From 2011-06-25 to 2013-02-22
Natroun	HNAT	Egypt	29.6329N	30.6172E	266	
Nattai	NATM	New South Wales,Australia	34.2061S	150.4267E	632	
Natural Bridge	YNB	Wyoming,U.S.A.	44.5245N	110.4590W	2390	
Natural Bridge	S56A	Virginia,U.S.A.	37.6771N	79.5662W	449	From 2013-04-03
Natural Harvest Farm, Hartford	J43A	Wisconsin,U.S.A.	43.3808N	88.4185W	322	From 2011-10-12 to 2013-06-11
Natural Resources Authority	JSOJ	Jordan	31.9570N	35.8460E	926	
Naumai	NMHZ	North Island,New Zealand	39.0971S	176.8065E	864	From 2008-02-13
Nausori Highlands	NHF	Fiji	17.8083S	177.5967E	518	From 1964-01-01 to 1969-12-31
Navajo Lake, Ignacio	T21A	New Mexico,U.S.A.	36.9914N	107.5342W	2006	From 2008-05-24 to 2009-11-19
Navajo Res., Navajo Mountain	T17A	Arizona,U.S.A.	36.9969N	110.8041W	1876	From 2007-07-30 to 2009-03-04
Navarro Ridge	GNAM	California,U.S.A.	39.1975N	123.6310W	344	
Navidad	NAVD	Valparaiso,Chile	33.9508S	71.8328W	16	
Naxcivan	NAK	Azerbaijan	39.2050N	45.4150E	887	From 1951-01-01
Naxos Island	NAX1	Greece	37.1014N	25.3742E	0	From 2012-09-01
Naze	NZJ	Ryukyu Islands,Japan	28.3767N	129.4980E	4	From 1973-04-01
Nazlini	NL-AZ	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL-	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL2AZ	Arizona,U.S.A.	35.8069N	109.6286W	1920	
Nazlini	NL2	Arizona,U.S.A.	35.8069N	109.6290W	1920	From 1965-02-10 to 1965-10-04
Nazwa, Dubai	NAZ	United Arab Emirates	24.9884N	55.6618E	199	From 2006-05-24
Neah Bay	NBW	Washington,U.S.A.	48.4000N	124.7000W		
Nea Herakleia	NHR1	Greece	41.1840N	23.2806E	60	From 2008-10-01
Nea Ionia, Volos	VOL3	Greece	39.3740N	22.9354E	26	From 2011-06-01
Nea Kammeni, Santorini	SNT5	Greece	36.4037N	25.3953E	124	From 2014-04-24
Neapolis	NPS	Crete,Greece	35.2625N	25.6125E	370	From 1973-07-01
Neapolis Laconias	NPS1	Greece	36.5126N	23.0623E	10	From 2011-09-15
Near Bada	BODY	Saudi Arabia	28.3560N	35.1320E		
Near Lassiter	DY5	Tennessee,U.S.A.	36.3247N	89.3621W	134	From 1970-01-01 to 1972-12-31
Near Potsdam	CHIP	New York,U.S.A.	44.7980N	75.1950W	97	
Near Sharaf	MATS	Saudi Arabia	28.7140N	35.0800E		From 1993-07-01 to 1999-08-25
N¨bias	FNEB	Midi-Pyrenees,France	42.9042N	2.1079E	578	From 2007-07-01
Nebitdag	NBD	Turkmenistan	39.5100N	54.3830E	15	
Nebo	V54A	North Carolina,U.S.A.	35.7771N	81.9478W	448	From 2013-02-18
Nectar Brook	NBK	South Australia,Australia	32.7010S	137.9830E	180	
Nedlands	NDA	Western Australia,Australia	31.9750S	115.8170E	8	
Needles	NEE	California,U.S.A.	34.8230N	114.5960W	139	From 1993-04-16
Needles	ND-CL	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles	ND-	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles Airport, Needles	NEE2	California,U.S.A.	34.7676N	114.6188W	271	From 2006-07-27
Neeritter	NEER	Netherlands	51.1687N	5.7846E	30	From 2006-01-27
Negara	NBBI	Bali,Indonesia	8.3700S	114.6200E	0	
Negar Kerman	NGRK	Iran	29.6440N	56.7304E	3123	From 2010-05-05
Neginohata	NGHE	Shizuoka,Japan	34.8122N	138.8281E	160	
Negor - Chabahar- Iran	NGCH	Iran	25.3587N	61.1364E	45	From 2015-08-10
Negresti	NEGR	Romania	45.5335N	27.8666E	98	From 2013-09-28
Negril	NEJ	Jamaica	18.2510N	78.3300W	200	From 2002-04-17
NEGU Pad	NEG	California,U.S.A.	38.8305N	122.7699W	922	
Nehbandan	NHDN	Iran	31.3928N	60.0502E	1329	From 2013-11-10
Nehoiu	NEHR	Romania	45.4272N	26.2952E	584	From 2014-05-29
Neicheng	TWE	Taiwan region	24.7211N	121.6670E	20	From 1975-07-18
Neifu	TWZ	Taiwan region	25.0970N	121.5790E	280	From 1975-01-18 to 1983-11-11
Neilton Lookout	NLWA	Washington,U.S.A.	47.3917N	123.8691W	640	From 2006-07-05
Neipperg	NEI	Baden-Wurttemberg,Germany	49.1083N	9.0417E	268	
Nelchina	NCA	Alaska,U.S.A.	61.9937N	146.8240W	741	From 1986-07-17
Nel'koba	NKB	Magadanskaya Oblast',Russia	61.3370N	148.8100E	531	From 1983-09-01 to 1997-06-14
Nelson	NEL	Nevada,U.S.A.	35.7122N	114.8433W	999	From 1963-10-01 to 1981-12-31
Nelson	NEN	Nevada,U.S.A.	35.6495N	114.8433W	1326	
Nelson	NNZ	South Island,New Zealand	41.2171S	173.3795E	130	From 2003-08-12
Nelson	V12A	Nevada,U.S.A.	35.7266N	114.8511W	1098	From 2006-06-19 to 2008-10-16
Nelson Butte	NLW	Washington,U.S.A.	48.0783N	120.3380W	1490	From 1985-05-01
Nelsons Funny Farm, Mountain City	U54A	Tennessee,U.S.A.	36.5209N	81.8204W	837	From 2013-02-28
Nelyaty	NLYR	Chitinskaya Oblast',Russia	56.4911N	115.7031E	596	
Nelyaty	NLY	Buryatiya,Russia	56.5036N	115.7022E	596	From 1979-04-01 to 2001-11-28
Nemaska	NEMQ	Quebec,Canada	51.6837N	76.2576W	197	From 2007-08-27
Nemaska Station	NMSQ	Quebec,Canada	51.7133N	76.0237W	275	From 2009-09-12
Nemea	NMA1	Greece	37.8188N	22.6627E	314	From 2011-11-01
Nemuro	NEM	Nemuro,Japan	43.3283N	145.5900E	26	
Nemuro 2	NEM2	Nemuro,Japan	43.3650N	145.7430E	16	From 1992-12-16
Nemuro--Hokkaido University	NMR	Nemuro,Japan	43.3695N	145.7280E	20	
Nemuroshibetsu	JNSB	Nemuro,Japan	43.7756N	145.0046E	97	From 2013-07-01
Nenana	NEA	Alaska,U.S.A.	64.5772N	149.0770W	364	From 1971-10-01
Nenana	NEA2	Alaska,U.S.A.	64.5928N	149.0694W	450	From 2014-06-12
Neno	NENM1	Malawi	15.3971S	34.6531E	864	From 2011-04-29
Neochorion	VNE	Greece	39.3119N	23.2322E	692	From 1982-10-01
Neokhori	NEO	Greece	39.3067N	23.2235E	500	From 1988-01-01
Neola	M35A	Iowa,U.S.A.	41.4665N	95.6945W	363	From 2010-06-15 to 2012-04-24
NEPTUNE Canada Endeavour node	NCEN	British Columbia,Canada	47.9399N	129.0600W	-2324	From 2009-01-01
NEPTUNE Canada Endeavour West	KEBB	British Columbia,Canada	47.9594N	129.1254W	-2201	From 2009-09-01
NEPTUNE Canada High Rise	NCHR	British Columbia,Canada	47.9741N	129.0819W	-2150	From 2009-01-01
NEPTUNE Canada Main Field	KEMF	British Columbia,Canada	47.9485N	129.0987W	-2205	From 2009-01-01
NEPTUNE Canada Mothra	KEMO	British Columbia,Canada	47.9241N	129.1082W	-2270	From 2009-01-01
Nerja	ANER	Spain	36.7623N	3.8453W	170	
Nerungri	NRGR	Sakha,Russia	56.6570N	124.7230E	840	From 2001-11-01
Neryungri	NYG	Sakha,Russia	56.6800N	124.6600E	760	From 1977-01-01 to 1982-12-31
Neshkan	NSH2	The Chukotsky Autonomous Okrug,Russia	67.1070N	173.6350W	65	
Neshkan, Chukotka	NSH	The Chukotsky Autonomous Okrug,Russia	67.0360N	172.9600W	5	From 2003-09-12
Neskantaga (Lansdowne House)First Nations Ontario	NSKO	Ontario,Canada	52.1965N	87.9305W	241	From 2005-07-29
Nestorio	NEST	Greece	40.4147N	21.0489E	1056	From 2008-06-30
Neuchatel	NEC	Switzerland	47.0063N	6.9487E	600	From 1980-06-01 to 1996-01-19
Neuchatel	NEU	Switzerland	46.9973N	6.9573E	487	From 1911-01-01 to 1999-08-25
Neuenburg	NEUB	Sachsen-Anhalt,Germany	51.2083N	11.7752E	200	From 2003-08-21
Neuenburg, Observatorium, NE	SNES2	Switzerland	47.0000N	6.9531E	483	From 2014-11-18
Neuhaus	RNHA	Bayern,Germany	47.8060N	12.8190E	855	From 2001-05-22
Neuhausen (Enzkreis), Galgenberg	GALG	Baden-Wurttemberg	48.7860N	8.7810E	525	From 2015-09-01
Neumayer	VNA	Dronning Maud Land	70.5997S	8.3622W	40	
Neumayer Olymp	VNA3	Dronning Maud Land	71.2428S	9.6687W	480	
Neumayer--Station	VNA1	Dronning Maud Land	70.6503S	8.2624W	40	From 1992-03-01
Neumayer--Watzmann	VNA2	Dronning Maud Land	70.9252S	7.3927W	350	
Neuquen (mine)	NEUQ	Chile	20.1722S	70.0732W	1043	From 2009-05-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nevada	N50A	Ohio,U.S.A.	40.7711N	83.1486W	277	From 2012-06-20
Nevada Test Site	NT2NV	Nevada,U.S.A.	37.2533N	116.2858W	2185	
Nevada Test Site	NT-NV	Nevada,U.S.A.	37.2758N	116.4183W	1987	
Nevada Test Site Array	NTA	Nevada,U.S.A.	37.2783N	116.4370W	1996	
Nevado Cumbal	CUMC	Colombia	0.9607N	77.8723W	3950	From 1989-01-01
Neve Ativ	NATI	Israel	33.2620N	35.7364E	1	From 2012-07-09
Nevel'sk	NEVR	Sakhalinskaya Oblast',Russia	46.6760N	141.8580E	24	From 2008-10-10
Neviano degli Arduini	NEVI	Italy	44.5834N	10.3163E	480	From 2012-05-25
Nevinnomyssk	NVNR	Stavropol'skiy Kray,Russia	44.6143N	41.9640E	340	From 2007-02-19
Nevis, Disaster Management Department Office	NVDO	Montserrat	17.1183N	62.6191W	20	From 2013-05-10
Nevis Range	KNR1	Scotland,United Kingdom	56.8219N	4.9714W	1147	From 1991-01-01
Nevrokopi	NVR	Greece	41.3500N	23.8619E	595	From 1997-01-01
Nevsehir-Avanos	AVNS	Turkey	38.8065N	34.8474E	1213	From 2010-12-17
NEVSHA	NEF	Bulgaria	43.2643N	27.2752E	350	From 2007-06-01
New Abbey	BNA	Scotland,United Kingdom	54.9658N	3.6242W	28	
New Alisa	ANAL	Egypt	23.4100N	32.6780E		
Newall Road	NWEZ	North Island,New Zealand	39.2749S	173.8675E	175	From 1996-04-03
Newall Road North Island, New Zealand	NBEZ	North Island,New Zealand	39.2679S	173.8676E	141	From 2012-10-17
New Almaden Mine	JNAM	California,U.S.A.	37.1770N	121.8450W	512	
Newark	NED	Delaware,U.S.A.	39.7042N	75.7047W	47	From 1970-11-19
Newberry Crater	NCOR	Oregon,U.S.A.	43.7040N	121.1380W	1908	From 1987-09-01
Newby Ranch, Pratt	S32A	Kansas,U.S.A.	37.7001N	98.9363W	558	From 2009-10-11 to 2011-08-26
Newcastle	P21A	Colorado,U.S.A.	39.5240N	107.4493W	2097	From 2007-12-12 to 2009-10-22
Newcastle	NWL	Natal,South Africa	27.7207S	29.9532E	1332	
New Castle	NCJ	Jamaica	18.0750N	76.7190W	1142	
Newcastle Hard Rock	NTLH	New South Wales,Australia	32.8983S	151.7030E	64	From 2012-09-26
Newcastle Ridge	NCRB	British Columbia,Canada	50.4035N	126.0553W	1293	
Newcastle Soft Rock	NTLS	New South Wales,Australia	32.9320S	151.7625E	13	From 2010-09-10
Newcomb	U20A	New Mexico,U.S.A.	36.3758N	108.5204W	1682	From 2008-02-19 to 2009-11-21
Newcomb	NCB	New York,U.S.A.	43.9708N	74.2236W	500	
Newdale	I16A	Idaho,U.S.A.	43.8756N	111.4868W	1744	From 2007-08-15 to 2009-09-17
New Delhi	NDI	Delhi,India	28.6833N	77.2167E	230	From 1960-10-01
New Douglas	Q43A	Illinois,U.S.A.	38.9410N	89.6991W	202	From 2011-05-24 to 2013-04-25
Newell	G25A	South Dakota,U.S.A.	45.1935N	103.4173W	894	From 2009-07-10 to 2011-06-03
New Galloway	NEWG	Scotland,United Kingdom	55.1173N	4.2300W	151	
New Goldendale	GL2	Washington,U.S.A.	45.9597N	120.8230W	1000	
New Haven	NHC	Connecticut,U.S.A.	41.3167N	72.9000W	11	From 1925-01-01 to 1999-08-25
New Haven	NHIL	Illinois,U.S.A.	37.9269N	88.1708W	134	
New Hogan Dam	MNHB	California,U.S.A.	38.1459N	120.8136W	206	
New Hogan Reservoir	MNHM	California,U.S.A.	38.1457N	120.8148W	189	From 1977-03-01 to 2011-11-26
New Hope	NHSC	South Carolina,U.S.A.	33.1067N	80.1778W	11	From 2001-05-01
Newington	G57A	Ontario,Canada	45.1036N	74.9855W	96	From 2013-07-24
New Kensington	NKP	Pennsylvania,U.S.A.	40.5597N	79.7542W	251	From 1939-01-01 to 1959-12-31
New Madrid	NMM	Missouri,U.S.A.	36.5910N	89.5282W		From 1967-11-01 to 1969-11-30
New Madrid	NMD	Missouri,U.S.A.	36.5750N	89.4819W	92	
New Madrid	NMMO	Missouri,U.S.A.	36.5880N	89.5520W	90	
New Madrid Sch	NMEM	Missouri,U.S.A.	36.5740N	89.5850W	0	
New Magadan Station 2	NMA2	Magadanskaya Oblast',Russia	59.5497N	150.8000E	50	From 2007-09-17
New Mexico Highlands	NMH	New Mexico,U.S.A.	35.6042N	105.1700W	2026	From 1977-10-15
New Orleans	NOL	Louisiana,U.S.A.	29.9483N	90.1200W	2	From 1910-01-01
New Philadelphia	O53A	Ohio,U.S.A.	40.2493N	81.2129W	320	From 2012-12-13
New Plymouth	NPZ	North Island,New Zealand	39.0640S	174.0735E	34	From 1931-02-01 to 1957-10-03
Newport	NEW	Washington,U.S.A.	48.2642N	117.1227W	760	From 1993-11-13
Newport DOGAMI SMO	NEWO	Oregon,U.S.A.	44.6243N	124.0461W	2	From 2008-02-14
NEWPORT INFRASONIC ARRAY REFERENCE POINT	NEWU	Washington,U.S.A.	48.2641N	117.1257W	763	From 2005-07-13
New Reactor	NPRI	Idaho,U.S.A.	43.5975N	112.8270W	1513	From 1990-08-14
New River	NW2	California,U.S.A.	33.0905N	115.6920W	-68	From 1976-12-01
New Salem	NSLM	Texas,U.S.A.	31.9750N	94.9580W		
New Sharon	H63A	Maine,U.S.A.	44.6616N	70.0353W	109	From 2013-09-20
New Taipei City	BACT	Taiwan region	24.9975N	121.4418E	5	From 2014-12-04
New Underwood	I26A	South Dakota,U.S.A.	44.0309N	102.8596W	971	From 2009-06-18 to 2011-05-08
New Yellowknife Blue 1	YKAB1	Northwest Territories,Canada	62.4023N	114.6063W	146	From 2013-06-26
New Yellowknife Blue 10	YKAB0	Northwest Territories,Canada	62.6059N	114.6060W	196	From 2013-06-26
New Yellowknife Blue 2	YKAB2	Northwest Territories,Canada	62.4247N	114.6064W	151	From 2013-06-26
New Yellowknife Blue 3	YKAB3	Northwest Territories,Canada	62.4485N	114.6061W	159	From 2013-06-26
New Yellowknife Blue 4	YKAB4	Northwest Territories,Canada	62.4709N	114.6057W	165	From 2013-06-26
New Yellowknife Blue 6	YKAB6	Northwest Territories,Canada	62.5164N	114.6057W	174	From 2013-06-26
New Yellowknife Blue 7	YKAB7	Northwest Territories,Canada	62.5389N	114.6061W	178	From 2013-06-26
New Yellowknife Blue 8	YKAB8	Northwest Territories,Canada	62.5614N	114.6054W	171	From 2013-06-26
New Yellowknife Blue 9	YKAB9	Northwest Territories,Canada	62.5829N	114.6047W	188	From 2013-06-26
New YK Array red 1	YKAR1	Northwest Territories,Canada	62.4928N	114.9445W	142	From 2013-06-26
New YK Array red 2	YKAR2	Northwest Territories,Canada	62.4928N	114.8959W	146	From 2013-06-26
New YK Array red 3	YKAR3	Northwest Territories,Canada	62.4929N	114.8477W	147	From 2013-06-26
New YK Array red 4	YKAR4	Northwest Territories,Canada	62.4927N	114.7998W	150	From 2013-06-26
New YK Array red 5	YKAR5	Northwest Territories,Canada	62.4931N	114.7504W	150	From 2013-06-26
New YK Array red 6	YKAR6	Northwest Territories,Canada	62.4932N	114.7019W	162	From 2013-06-26
New YK Array red 7	YKAR7	Northwest Territories,Canada	62.4932N	114.6544W	168	From 2013-06-26
New YK Array red 8	YKAR8	Northwest Territories,Canada	62.4931N	114.6061W	168	From 2013-06-26
New YK Array red 9	YKAR9	Northwest Territories,Canada	62.4930N	114.5564W	172	From 2013-06-26
Neytrino	NEY	Russia	43.2489N	42.7222E	1715	From 2008-12-05
Nezhdaninsk	NZD	Sakha,Russia	62.5000N	139.0600E	603	From 1980-06-01 to 1998-09-01
NGAL	NGAL	Egypt	23.4191N	32.7329E	100	
Ngamring, Xizang Zizhiqu	ONRN	Xizang Zizhiqu,China	29.3020N	87.2440E	4350	From 2002-07-13 to 2002-08-02
Ngariki Road	NRZ	North Island,New Zealand	39.3357S	173.9332E	250	From 1991-02-21 to 2009-06-10
Ngau Island	GAU	Fiji	18.0817S	179.3296E	286	From 1978-05-01 to 1999-08-25
Ngauruhoe	NGZ	North Island,New Zealand	39.1756S	175.6012E	1452	From 1976-06-01
Ngawi	NGJI	Jawa,Indonesia	7.3676S	111.4612E	0	From 2007-12-01
NGMR	NGMR	Egypt	23.5217N	32.4074E	207	
Ngongotaha	NGRZ	North Island,New Zealand	38.1018S	176.1874E	685	From 2011-10-26
Ngoundere	NGC	Cameroon	7.2617N	13.5683E	1100	From 1982-02-01
NGWR	NGWR	Egypt	23.6684N	32.7912E	0	
Nha Trang	NTV	Vietnam	12.2667N	109.1943E	5	
Nha-Trang	NHA	Vietnam	12.2100N	109.2120E	5	From 1957-06-01
Nhimo	NHIM	Xizang Zizhiqu,China	29.4336N	90.1643E	3822	From 2004-06-18
Nhulunbuy High School	AUNHS	Northern Territories,Australia	12.1900S	136.7800E	20	From 2013-08-11
Niagara	NG-	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Niagara	NG-WS	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Nian	NIAN	Iran	27.5596N	56.8349E	248	From 2010-04-30
Nibetsu	NIB	Akita,Japan	39.8033N	140.2683E	243	
Nice Cerbom	NCER	Provence-Cote d'Azur,France	43.6895N	7.2950E	30	From 2012-07-23
Nice, cimeti˜re Caucade	NCAU	Provence-Cote d'Azur,France	43.6751N	7.2123E	28	From 2013-05-14
Nice - Cite Administrative des Alpes-Maritimes	NCAD	Provence-Cote d'Azur,France	43.6710N	7.2000E	5	From 2002-04-26
Nice, Eglise du Port	NPOR	Provence-Cote d'Azur,France	43.7000N	7.2860E	5	From 1990-01-01
Nice, Jardin Alsace-Lorraine	NALS	Provence-Cote d'Azur,France	43.6990N	7.2580E	6	From 1998-05-07
Nice, Liberation	NLIB	Provence-Cote d'Azur,France	43.7100N	7.2640E	18	From 1998-05-07
Nice, Mont Boron	NBOR	Provence-Cote d'Azur,France	43.6910N	7.3020E	191	From 1990-01-01
Nice, Saint-Roch	NROC	Provence-Cote d'Azur,France	43.7160N	7.2930E	22	From 1998-05-07
Nichawak Mountain	NICHA	Alaska,U.S.A.	60.2366N	143.9672W	507	
Nichinankitagou	JNKG	Miyazaki,Japan	31.6621N	131.3760E	38	From 2013-07-01
Nicholson Point	NPT	Northwest Territories,Canada	69.9272N	128.9630W	60	From 1981-08-08
Nicolai Mountain	NLO	Oregon,U.S.A.	46.0883N	123.4500W	900	
Nicolau / Grandola	PNCL	Portugal	38.1118N	8.5289W	120	From 2008-09-26
Nicolosi	ENIC	Italy	37.6314N	15.0216E	882	From 2006-03-08
Nicolosi	ENCS	Sicily,Italy	37.6390N	15.0050E	958	From 1994-10-01
Nicolosi	ENLS	Sicily,Italy	37.6060N	15.0243E	666	From 2002-10-01
Nicosia	NIC	Cyprus	35.1564N	33.3450E	166	
Nicosia	CMET	Cyprus	35.1960N	33.3630E	134	From 2006-10-17
Nicoya	NICO	Costa Rica	10.1345N	85.4470W	1480	
Nicoya	AR8	Costa Rica	10.1925N	85.5206W	511	
Niedersach Riedel	NRDL	Niedersachsen,Germany	52.4943N	10.1073E	-355	
Niedzica	NIE	Poland	49.4182N	20.2996E	649	
Nigde	NIG	Turkey	38.1100N	34.6100E	2291	
Nigde	BSTP	Turkey	37.9508N	34.1100E	1318	From 2005-02-25
Nigde/Merkez-Gumusler	NIDE	Turkey	37.9999N	34.7768E	1420	From 2014-12-01
Niigata	NII	Niigata,Japan	37.9100N	139.0520E	3	
Niigata 2	NIIJ	Niigata,Japan	37.2400N	139.0020E	31	From 1978-01-01
Niihama	NHM	Ehime,Japan	33.9500N	133.2500E		
Nii jima	NJJ	Bonin Islands,Japan	34.3667N	139.2500E	50	
Nii jima 2	NJJJ	Bonin Islands,Japan	34.4020N	139.2830E	180	From 1988-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Niijimaoohara	JNIO	Japan	34.3560N	139.2742E	57	From 2010-02-01
Nijar	ENIJ	Spain	36.9717N	2.2069W	440	From 1985-04-01
Nikishka	NKA	Alaska,U.S.A.	60.7431N	151.2380W	100	From 1971-09-10
Nikkaluokta	NIKU	Sweden	67.8673N	19.0347E	300	From 2003-08-24
Nikolaev	NIKV	Ukraine	46.9730N	31.9730E	74	
Nikolaevsk School	NHSA	Alaska,U.S.A.	59.8111N	151.6127W	256	
Nikolayevsk	NKL	Khabarovskiy Kray,Russia	53.1500N	140.6800E	15	
Nikolski	NIK	Alaska,U.S.A.	52.9743N	168.8530W	207	From 1971-05-17
Nikolski	NIKO	Alaska,U.S.A.	52.9738N	168.8539W	8	
Nikolski	NKI	Alaska,U.S.A.	52.9426N	168.8570W	8	
Nikolski High Hill	NIKH	Alaska,U.S.A.	52.9731N	168.8530W	199	
Niksic	NKME	Montenegro	42.7670N	18.9530E	688	From 2009-06-04
Niksic	NKY	Montenegro	42.8130N	18.9932E	1142	From 1983-12-25
Niles Canyon	CNIC	California,U.S.A.	37.6079N	121.9646W	393	
Nilore	NIL	Pakistan	33.6500N	73.2517E	536	From 1994-12-19
Nine Bar Ranch, Gage	U31A	Oklahoma,U.S.A.	36.3695N	99.8508W	725	From 2009-04-07 to 2011-03-12
Nine Mile Canyon	WNMM	California,U.S.A.	35.8428N	117.9048W		
Nine Mile Canyon	NMC	California,U.S.A.	35.8428N	117.9048W	951	
Ninemile Creek	NCM	Montana,U.S.A.	47.1802N	114.5660W	1183	From 1983-06-15
Ninemile Divide	NDMT	Montana,U.S.A.	47.2690N	114.7988W	1917	
Nine Sixteen Ranch, Cliff	Z20A	New Mexico,U.S.A.	33.1132N	108.5922W	1547	From 2008-02-20 to 2009-12-11
Ninganchiao	NACB	Taiwan region	24.1738N	121.5947E	130	
Niniconang	NINI	Sulawesi,Indonesia	4.4225S	119.7560E	1463	
Ninilchik	NNL	Alaska,U.S.A.	60.0422N	151.2960W	366	From 1972-08-24
Ninilchik One	NIN	Alaska,U.S.A.	60.0111N	151.5360W	110	From 1971-08-28 to 1972-08-24
Ninotsminda	NTS	Georgia,Georgia	41.7410N	45.2865E	915	From 2003-01-01
Niobrara River	NR-	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Niobrara River	NR-NB	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Nioudou	ENTT	Taiwan region	24.6400N	121.5660E	280	
Nirayama	NRY	Shizuoka,Japan	35.0599N	138.9628E	-91	
Nirehara	NRJ	Toyama,Japan	36.5133N	137.2384E	220	
Nishiizu	NSI	Shizuoka,Japan	34.7870N	138.8040E	-422	
Nishinai	K01	Iwate,Japan	39.3989N	141.6053E	431	
Nisiros	NISR	Greece	36.6117N	27.1283E	48	
Nisos Aigina	NAIG	Greece	37.7585N	23.4887E	221	
Nisos Salamina	NSAL	Greece	37.9066N	23.4633E	190	
Nissan Island	NIS	New Britain,Papua New Guinea	4.5300S	154.2383E	10	From 1971-08-01
Nisyros Isl.	NIS1	Greece	36.6023N	27.1782E	378	From 2008-05-24
Nisyros Isl.	NIS2	Greece	36.5780N	27.1808E	400	From 2009-03-23
Nisyros Isl.	NIS3	Greece	36.5742N	27.1557E	271	From 2009-03-23
Nisyros Isl.	NIS4	Greece	36.6717N	27.1314E	0	From 2009-03-23
Niue	NUE	Cook Islands	19.0764S	169.9280W	56	From 1973-04-15
Niue	NIUE	Niue	19.0763S	169.9272W	108	From 2007-09-20
Niukaw	JGN	Gifu,Japan	36.2232N	137.3153E	775	
Niumate	NIU	Tonga	21.1600S	175.2900W	15	
Nizh Angarsk	NIZ	Buryatiya,Russia	55.7750N	109.5411E	487	
Nizhniy Bestyah	NBS	Sakha,Russia	61.9339N	129.8864E	90	From 2006-07-31
Njombe	NJOM	Tanzania,United Republic of Tanzania	9.3665S	34.7912E	1956	
N¨lazarevskaya	NVL	Dronning Maud Land	70.7667S	11.8333E	107	
NNAL	NNAL	Egypt	23.2931N	32.6645E	266	
NNMR	NNMR	Egypt	23.7379N	32.5621E	100	
No. 579 Westminster Ave.	OTWM	Ontario,Canada	45.3824N	75.7628W	69	From 2001-11-08
NOAA--Sand Point	NOWS	Washington,U.S.A.	47.6867N	122.2559W	2	
Noah's Angus Ranch, Cambridge	H10A	Idaho,U.S.A.	44.5890N	116.7474W	882	From 2006-10-28 to 2008-07-09
Nobeoka	NOB	Miyazaki,Japan	32.5783N	131.6600E	20	
Noboribetsu	JNB	Iburi,Japan	42.4687N	141.0383E	110	
Noci	NOCI	Italy	40.7888N	17.0644E	420	From 2005-08-03
Nodinka Narrows	NODN	Northwest Territories,Canada	63.9607N	110.9601W	435	
Noerdlinger Ries-Bissingen	NORI	Bayern,Germany	48.7203N	10.6250E	492	From 2003-06-10
Nogliki	NGLS	Sakhalinskaya Oblast',Russia	51.8170N	143.1500E	25	From 1964-10-20 to 1995-02-01
Nogliki	NGLR	Sakhalinskaya Oblast',Russia	51.7830N	143.1260E	11	From 2010-09-18
Nojiri	NOJ	Kagoshima,Japan	31.5586N	130.6386E	150	
Nola	NL9	Italy	40.9205N	14.5450E	75	From 1992-01-01
Nome	E31A	North Dakota,U.S.A.	46.5583N	97.8879W	427	From 2010-08-19 to 2012-06-28
Nome	ANM	Alaska,U.S.A.	64.5655N	165.3720W	330	
Nome	NOM	Alaska,U.S.A.	64.5617N	165.3870W		
Nongkai	NONG	Thailand	18.0635N	103.1457E	140	
Nongplab	NNT	Thailand	12.5898N	99.7338E	106	From 1982-11-01
Nongstoin	NGNA	Meghalaya,India	25.5217N	91.2720E		
Nonn-Bad Reichenhall	RNON	Bayern,Germany	47.7405N	12.8671E	555	From 2000-05-24
Nono	NONO	Ecuador	0.0557S	78.5780W	2972	
Nonsavu	MSVF	Fiji	17.7333S	178.0500E	783	From 1994-05-24
Nootka	NTKA	British Columbia,Canada	49.5924N	126.6166W	12	From 2013-03-23
Nopah Range	NOP	California,U.S.A.	36.1271N	116.1522W	983	From 1978-07-24 to 2002-12-10
Nora	NRAU	Sweden	59.5704N	15.0401E	150	From 2002-01-29
Noranda	NRMS	Missouri,U.S.A.	36.4870N	89.5880W	88	
Nor Artik	NARZ	Armenia	40.4650N	43.7160E	1550	
Norcasia	NORC	Colombia	5.5635N	74.8692W	536	
NORCASIA, CALDAS	CNOCA	Colombia	5.5660N	74.8720W	519	From 2012-11-26
Norcia	UNRC	Italy	42.7984N	16.1414E	679	From 2001-06-30
Norcia	NRCA	Italy	42.8336N	13.1143E	927	
Nord	NOR	Greenland	81.6000N	16.6833W	36	From 1957-01-01
Norderasen	NOD	Sweden	63.4428N	14.8573E	450	
Nord Galaele Koma	BEAD	Djibouti	11.5715N	42.5277E	10	From 1987-01-01
Nordlingen	NRD	Bayern,Germany	48.8500N	10.4833E	432	From 1912-01-01 to 1931-12-31
Nordman	NTI	Idaho,U.S.A.	48.6300N	116.9630W	823	From 1967-08-27 to 1975-12-08
Nordsjona	N1R3	Norway	66.3370N	13.4060E	68	
NORESS Array Beam Reference Point	NORES	Norway	60.7353N	11.5414E	302	
NORESS Array Site A0	NRA0	Norway	60.7353N	11.5414E	302	From 1984-10-01 to 2002-06-11
NORESS Array Site A1	NRA1	Norway	60.7366N	11.5423E	291	From 1984-10-01 to 2002-06-11
NORESS Array Site A2	NRA2	Norway	60.7343N	11.5434E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site A3	NRA3	Norway	60.7350N	11.5387E	296	From 1984-10-01 to 2002-06-11
NORESS Array Site B1	NRB1	Norway	60.7381N	11.5426E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B2	NRB2	Norway	60.7355N	11.5475E	315	From 1984-10-01 to 2002-06-11
NORESS Array Site B3	NRB3	Norway	60.7326N	11.5440E	314	From 1984-10-01 to 2002-06-11
NORESS Array Site B4	NRB4	Norway	60.7333N	11.5372E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B5	NRB5	Norway	60.7367N	11.5364E	289	From 1984-10-01 to 2002-06-11
NORESS Array Site C1	NRC1	Norway	60.7414N	11.5434E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C2	NRC2	Norway	60.7383N	11.5525E	339	From 1984-10-01 to 2002-06-11
NORESS Array Site C3	NRC3	Norway	60.7331N	11.5533E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site C4	NRC4	Norway	60.7293N	11.5452E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site C5	NRC5	Norway	60.7301N	11.5341E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C6	NRC6	Norway	60.7348N	11.5287E	303	From 1984-10-01 to 2002-06-11
NORESS Array Site C7	NRC7	Norway	60.7402N	11.5331E	275	From 1984-10-01 to 2002-06-11
NORESS Array Site D1	NRD1	Norway	60.7486N	11.5449E	305	From 1984-10-01 to 2002-06-11
NORESS Array Site D2	NRD2	Norway	60.7444N	11.5616E	372	From 1984-10-01 to 2002-06-11
NORESS Array Site D3	NRD3	Norway	60.7359N	11.5689E	453	From 1984-10-01 to 2002-06-11
NORESS Array Site D4	NRD4	Norway	60.7271N	11.5633E	379	From 1984-10-01 to 2002-06-11
NORESS Array Site D5	NRD5	Norway	60.7222N	11.5475E	348	From 1984-10-01 to 2002-06-11
NORESS Array Site D6	NRD6	Norway	60.7233N	11.5288E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site D7	NRD7	Norway	60.7302N	11.5162E	337	From 1984-10-01 to 2002-06-11
NORESS Array Site D8	NRD8	Norway	60.7390N	11.5168E	301	From 1984-10-01 to 2002-06-11
NORESS Array Site D9	NRD9	Norway	60.7466N	11.5266E	278	From 1984-10-01 to 2002-06-11
NORESS Array Site E0	NRE0	Norway	60.7353N	11.5414E	307	From 1984-10-01 to 2002-06-11
Norfolk	NRFK	Norfolk Island,Australia	29.0400S	167.9630E	196	
Norfolk Island	NFK	Norfolk Island,Australia	29.0433S	167.9388E	203	From 2008-07-10
Norfolk Island	NIA	Norfolk Island,Australia	29.0417S	167.9600E	130	From 1969-12-01 to 1977-05-26
Noril'sk	NRI	Krasnoyarskiy Kray,Russia	69.4300N	88.0830E	44	
Noril'sk	NRIL	Krasnoyarskiy Kray,Russia	69.5049N	88.4414E	92	
Noril'sk	NRIK	Krasnoyarskiy Kray,Russia	69.3396N	87.5550E	185	From 2010-10-28
Noril'sk	NRIS	Krasnoyarskiy Kray,Russia	69.0061N	87.9964E	498	
Nor Kachakap	SARS	Armenia	40.8467N	44.3483E	1525	
Norman	NMO	Oklahoma,U.S.A.	35.2056N	97.4440W	354	From 1975-01-01 to 1976-09-30
Norman Wells, NWT	NOWN	Northwest Territories,Canada	65.2943N	126.7145W	186	From 2012-08-15
Norrel Spur, Hamburg	Z42A	Arkansas,U.S.A.	33.2739N	91.9474W	39	From 2011-04-19 to 2013-02-17
Norris Canyon Road	CNCM	California,U.S.A.	37.7560N	121.9900W	306	
Norris Junction	NJW	Wyoming,U.S.A.	44.7303N	110.6930W	2290	From 1972-10-01
Norris Junction	YNR	Wyoming,U.S.A.	44.7155N	110.6792W	2336	
Norrtaelje	NRTU	Sweden	59.6769N	18.6308E	40	From 2002-01-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
NORSAR 1A	NA0	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Array Beam Reference Point	NOA	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 01A00	NAO00	Norway	60.8237N	10.8324E	379	
NORSAR Array Site 01A01	NAO01	Norway	60.8442N	10.8865E	426	
NORSAR Array Site 01A02	NAO02	Norway	60.8057N	10.8971E	362	
NORSAR Array Site 01A03	NAO03	Norway	60.7881N	10.8084E	223	
NORSAR Array Site 01A04	NAO04	Norway	60.8105N	10.7625E	297	
NORSAR Array Site 01A05	NAO05	Norway	60.8507N	10.8193E	290	
NORSAR Array Site 01B00	NBO00	Norway	61.0307N	10.7777E	529	
NORSAR Array Site 01B01	NBO01	Norway	61.0616N	10.7834E	596	
NORSAR Array Site 01B02	NBO02	Norway	61.0492N	10.8569E	521	
NORSAR Array Site 01B03	NBO03	Norway	61.0129N	10.8371E	429	
NORSAR Array Site 01B04	NBO04	Norway	61.0119N	10.7524E	398	
NORSAR Array Site 01B05	NBO05	Norway	61.0597N	10.7219E	553	
Norsar Array Site 01C00	NCO	Norway	61.3371N	10.5856E	974	From 1971-04-01 to 1976-10-31
NORSAR Array Site 02B00	NB200	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 02B01	NB201	Norway	61.0495N	11.2939E	613	
NORSAR Array Site 02B02	NB202	Norway	61.0069N	11.2778E	647	
NORSAR Array Site 02B03	NB203	Norway	61.0107N	11.1677E	730	
NORSAR Array Site 02B04	NB204	Norway	61.0498N	11.1581E	670	
NORSAR Array Site 02B05	NB205	Norway	61.0710N	11.1977E	637	
NORSAR Array Site 02C00	NC200	Norway	61.2807N	10.8354E	847	
NORSAR Array Site 02C01	NC201	Norway	61.2988N	10.9138E	1033	
NORSAR Array Site 02C02	NC202	Norway	61.2545N	10.9110E	2054	
NORSAR Array Site 02C03	NC203	Norway	61.2438N	10.8318E	714	
NORSAR Array Site 02C04	NC204	Norway	61.2759N	10.7629E	851	
NORSAR Array Site 02C05	NC205	Norway	61.3231N	10.8227E	958	
NORSAR Array Site 03C00	NC300	Norway	61.2617N	11.4141E	366	
NORSAR Array Site 03C01	NC301	Norway	61.2762N	11.4905E	290	
NORSAR Array Site 03C02	NC302	Norway	61.2328N	11.4726E	300	
NORSAR Array Site 03C03	NC303	Norway	61.2251N	11.3690E	401	
NORSAR Array Site 03C04	NC304	Norway	61.2784N	11.3320E	393	
NORSAR Array Site 03C05	NC305	Norway	61.2979N	11.4035E	312	
NORSAR Array Site 04C00	NC400	Norway	61.0791N	11.7189E	522	
NORSAR Array Site 04C01	NC401	Norway	61.0804N	11.7994E	583	
NORSAR Array Site 04C02	NC402	Norway	61.0446N	11.7573E	450	
NORSAR Array Site 04C03	NC403	Norway	61.0537N	11.6683E	304	
NORSAR Array Site 04C04	NC404	Norway	61.0982N	11.6456E	332	
NORSAR Array Site 04C05	NC405	Norway	61.1128N	11.7153E	496	
NORSAR Array Site 06C00	NC600	Norway	60.7473N	11.4584E	321	
NORSAR Array Site 06C01	NC601	Norway	60.7746N	11.5416E	248	
NORSAR Array Site 06C02	NC602	Norway	60.7353N	11.5414E	305	
NORSAR Array Site 06C03	NC603	Norway	60.7050N	11.4807E	340	
NORSAR Array site 06C04	NC604	Norway	60.7263N	11.3956E	378	
NORSAR Array Site 06C05	NC605	Norway	60.7770N	11.4103E	242	
NORSAR Subarray 10C Beam Reference Point	N10	Norway	60.4695N	10.2999E	403	From 1971-01-01 to 1976-10-01
NORSAR Subarray 11C Beam Reference Point	N11	Norway	60.6171N	10.2497E	242	From 1971-01-01 to 1976-10-01
NORSAR Subarray 12C Beam Reference Point	N12	Norway	60.7729N	9.9845E	637	From 1971-01-01 to 1976-10-01
NORSAR Subarray 13C Beam Reference Point	N13	Norway	61.0498N	9.8861E	919	From 1971-01-01 to 1976-10-01
NORSAR Subarray 14C Beam Reference Point	N14	Norway	61.1869N	10.2729E	492	From 1971-01-01 to 1976-10-01
NORSAR Subarray 1A Beam Reference Point	NAO	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Subarray 1B Beam Reference Point	NBO	Norway	61.0307N	10.7777E	529	From 1971-04-01
NORSAR Subarray 2B Beam Reference Point	NB2	Norway	61.0397N	11.2148E	717	From 1971-04-01
NORSAR Subarray 2C Beam Reference Point	NC2	Norway	61.2807N	10.8354E	847	From 1971-04-01
NORSAR Subarray 3B Beam Reference Point	NB3	Norway	60.9130N	11.2696E	529	From 1971-04-01 to 1976-10-31
NORSAR Subarray 3C Beam Reference Point	NC3	Norway	61.2617N	11.4141E	366	From 1971-04-01
NORSAR Subarray 4B Beam Reference Point	NB4	Norway	60.6738N	11.1881E	239	From 1971-04-01 to 1976-10-31
NORSAR Subarray 4C Beam Reference Point	NC4	Norway	61.0791N	11.7189E	522	From 1971-04-01
NORSAR Subarray 5B Beam Reference Point	NB5	Norway	60.6224N	10.8369E	428	From 1971-04-01 to 1976-10-31
NORSAR Subarray 5C Beam Reference Point	NC5	Norway	60.9468N	11.8004E	425	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6B Beam Reference Point	NB6	Norway	60.7300N	10.4589E	630	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6C Beam Reference Point	NC6	Norway	60.7473N	11.4584E	321	From 1971-04-01
NORSAR Subarray 7B Beam Reference Point	NB7	Norway	60.9200N	10.4658E	759	From 1971-04-01 to 1976-10-31
NORSAR Subarray 7C Beam Reference Point	NC7	Norway	60.4553N	11.4988E	221	From 1971-04-01 to 1976-10-31
NORSAR Subarray 8C Beam Reference Point	NC8	Norway	60.4756N	11.0868E	480	From 1971-04-01 to 1976-10-31
NORSAR Subarray 9C Beam Reference Point	NC9	Norway	60.4094N	10.6038E	478	From 1971-04-01 to 1976-10-31
North	AR9	Costa Rica	10.4717N	84.7286W	658	From 1975-07-13
Northampton	L61B	Massachusetts,U.S.A.	42.4498N	72.6802W	261	From 2013-09-10
North Anna	NA2	Virginia,U.S.A.	38.1279N	77.7401W	99	From 1978-10-01 to 1999-08-25
North Anna	NA11	Virginia,U.S.A.	37.9831N	77.6850W		
North Anna	NA5	Virginia,U.S.A.	38.0108N	77.7365W	76	From 1978-08-01 to 2004-09-30
North Anna	NA12	Virginia,U.S.A.	37.9882N	77.8770W	134	From 1978-08-01
North Anna 1	NV1	Virginia,U.S.A.	38.0618N	77.7870W		From 1974-01-01 to 1999-08-25
North Anna 2	NV2	Virginia,U.S.A.	38.0628N	77.8503W		From 1974-01-01 to 1999-08-25
North Anna 3	NV3	Virginia,U.S.A.	38.0983N	77.8093W		From 1974-01-01 to 1999-08-25
North Anna 4	NV4	Virginia,U.S.A.	38.0268N	77.7808W		From 1974-01-01 to 1999-08-25
North Anna 5	NV5	Virginia,U.S.A.	38.0537N	77.7365W		From 1974-01-01 to 1999-08-25
North Anna 6	NV6	Virginia,U.S.A.	38.0913N	77.7782W		From 1974-01-01 to 1999-08-25
North Anna 7	NV7	Virginia,U.S.A.	38.0227N	77.8570W		From 1974-01-01 to 1999-08-25
North Bangong	ST19A	Xizang Zizhiqu,China	32.1034N	89.1948E	4540	From 1998-07-24 to 1999-05-28
North Bangong Suture	ST22	Xizang Zizhiqu,China	32.3326N	89.1163E	4707	From 1998-08-17 to 1999-05-29
North Bay	NBH	Hawaii,U.S.A.	19.4950N	155.5800W	1221	From 1964-03-12 to 1968-07-05
North beach	NRTH	Turkey	40.2530N	29.0420E	3	From 2006-09-29
North Boqe	ST05	Xizang Zizhiqu,China	31.0402N	90.1741E	4836	From 1998-07-16 to 1999-05-30
North Branch	NB-MN	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Branch	NB-	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Capps Glacier	NCG	Alaska,U.S.A.	61.4037N	152.1570W	1244	From 1989-08-07
North Carolina A&T Campus	NCAT	North Carolina,U.S.A.	36.0790N	79.7712W	243	
North Crescent	NCT	Alaska,U.S.A.	60.5617N	152.9300W	1166	From 1988-08-14
North Deqen	ST02	Xizang Zizhiqu,China	30.7865N	90.2491E	4801	From 1998-07-17 to 1998-07-24
North Doima	ST28	Xizang Zizhiqu,China	32.8218N	88.8481E	4843	From 1998-07-11 to 1999-06-05
Northeast Doima	ST29	Xizang Zizhiqu,China	32.9343N	88.8532E	4829	From 1998-07-25 to 1999-06-05
Northeast Serting	ST16A	Xizang Zizhiqu,China	31.9196N	89.4203E	4552	From 1998-07-24 to 1999-05-30
North Egmont	NEZ	North Island,New Zealand	39.2702S	174.0957E	920	From 1985-04-17
Northern Antelope Island	NAIU	Utah,U.S.A.	41.0162N	112.2280W	1472	From 1991-11-13
NorthernBC 1	NBC1	British Columbia,Canada	59.6559N	123.8237W	416	From 2013-03-11
NorthernBC 2	NBC2	British Columbia,Canada	59.7779N	122.4878W	487	From 2013-03-13
NorthernBC 3	NBC3	British Columbia,Canada	59.6365N	120.6692W	451	From 2013-03-14
NorthernBC 4	NBC4	British Columbia,Canada	55.6873N	120.6617W	785	From 2013-03-19
NorthernBC 5	NBC5	British Columbia,Canada	57.5231N	122.6777W	1157	From 2013-03-16
NorthernBC 6	NBC6	British Columbia,Canada	58.5839N	121.3339W	440	From 2013-03-16
Northern Marianas College	NMCC	Mariana Islands	15.1500N	145.7160E	100	From 1992-05-01
Northfield	NRT	Vermont,U.S.A.	44.1667N	72.6833W	256	
North Gasline	NGL	Alaska,U.S.A.	60.8208N	149.9980W	122	
North Gisborne	NOZ	North Island,New Zealand	38.6162S	178.0369E	60	From 1989-04-17 to 2004-04-03
North Grampians	GOGM	Victoria,Australia	36.8882S	142.3996E	265	
North Greenland Eemian Ice Drilling site	NEEM	Greenland	77.4450N	51.0650W	2454	From 2007-08-22
North Grip Drilling Camp	NGR	Greenland	75.0010N	42.3148W	2960	
North Hampton	NHS	South Carolina,U.S.A.	33.0717N	79.7556W	10	From 1974-05-20 to 1980-12-31
North Heping	ST25A	Xizang Zizhiqu,China	32.6117N	88.9537E	4806	From 1998-07-26 to 1999-06-05
North Hollywood	HLLC	California,U.S.A.	34.1764N	118.3597W	193	
North Isle of Man	GIM	Isle of Man	54.2923N	4.4670W	366	From 1989-01-01
North Jangngalda	ST35	Xizang Zizhiqu,China	33.4768N	88.7363E	4941	From 1998-07-26 to 1999-06-04
North Kanaga	AD7	Alaska,U.S.A.	51.9000N	177.0900W	244	From 1974-01-01 to 1992-02-01
North Lily Mine	NLU	Utah,U.S.A.	39.9548N	112.0750W	2036	
North Maintong	ST12A	Xizang Zizhiqu,China	31.6400N	89.7888E	4642	From 1998-08-20 to 1998-11-27
North Marawa	ANMR	Egypt	23.7340N	32.5626E	210	
North Mineral Mountain	NMUT	Utah,U.S.A.	38.5165N	112.8500W	1853	From 1987-10-01
North Nagishlamina, Mt. Spurr	SPNN	Alaska,U.S.A.	61.3668N	152.6991W	1666	
North-of-Casa	NOCG	California,U.S.A.	37.6875N	118.9190W	2475	From 1984-07-01
North of Pu'u O'o Crater	NPOC	Hawaii,U.S.A.	19.3930N	155.1096W	726	
North of River	ST37	Xizang Zizhiqu,China	33.6064N	88.5231E	5161	From 1998-07-11 to 1999-06-04
North Oquirrh Mountains	NOQ	Utah,U.S.A.	40.6525N	112.1200W	1622	
North Padre Island, Corpus Christi	936A	Texas,U.S.A.	27.4208N	97.3091W	-3	From 2010-01-13 to 2011-11-18
North Pahroc Range	NPN	Nevada,U.S.A.	37.6529N	114.9370W	1664	
North Pahute Mesa	NPM	Nevada,U.S.A.	37.3839N	116.3230W	2250	From 1975-09-01
North Palgon	ST11	Xizang Zizhiqu,China	31.5815N	89.9806E	4738	From 1998-07-25 to 1999-06-01
North Pangkog	ST15	Xizang Zizhiqu,China	31.8347N	89.6401E	4577	From 1998-07-20 to 1999-05-31
North Pit	NPH	Hawaii,U.S.A.	19.4120N	155.2810W	1115	From 1958-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
North Pocatello Valley	NPI	Idaho,U.S.A.	42.1473N	112.5180W	1640	From 1975-04-01
North Pole	NP-	Northwest Territories,Canada	76.2522N	119.3717W	59	
Northport	A10A	Washington,U.S.A.	48.9813N	117.5586W	688	From 2006-08-30 to 2008-06-14
Northport	Z48A	Alabama,U.S.A.	33.3764N	87.5556W	101	From 2011-04-15 to 2013-02-03
North Rainier Mesa	NRM	Nevada,U.S.A.	37.2744N	116.2060W	2210	From 1975-09-01 to 1981-12-31
North Reno	NRR	Nevada,U.S.A.	39.5720N	119.8490W	1634	From 1964-04-09
Northridge Ranch, Floyd Knobs	R48A	Indiana,U.S.A.	38.4001N	85.8714W	243	From 2011-12-09
North Rim	U15A	Arizona,U.S.A.	36.4280N	112.2915W	2489	From 2007-05-16 to 2010-05-28
North River	NRA	Alaska,U.S.A.	63.8918N	160.5140W	105	From 1976-08-01 to 1978-08-31
North Rockhampton State High School	AUNRC	Queensland,Australia	23.3500S	150.5300E	38	From 2013-08-11
North Saanich	B009	British Columbia,Canada	48.6487N	123.4512W	15	From 2005-09-14
North Saanich	B010	British Columbia,Canada	48.6502N	123.4513W	5	From 2005-07-28
North Saanich	B011	British Columbia,Canada	48.6495N	123.4482W	22	From 2005-09-16
North Scituate	L63A	Rhode Island,U.S.A.	41.8631N	71.6095W	109	From 2013-09-11
North Serting	ST17	Xizang Zizhiqu,China	31.9388N	89.3580E	4591	From 1998-07-24 to 1999-05-30
North Stansbury	NSU	Utah,U.S.A.	40.9082N	112.5060W	1422	From 1976-10-01 to 2004-03-05
North Stonington	NSC	Connecticut,U.S.A.	41.4808N	71.8516W	110	From 1977-06-27 to 1999-01-31
North Tanaga	AK0	Alaska,U.S.A.	51.7790N	176.8800W	152	
North Tanaga	AK3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1976-10-01 to 1992-02-01
North Tanaga	AK5	Alaska,U.S.A.	51.8040N	176.8920W	0	
North Tanaga	AT3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1975-01-01 to 1976-10-31
North Tongariro	NTVZ	North Island,New Zealand	39.0985S	175.6760E	1260	From 2014-11-06
North Vernon	Q48A	Indiana,U.S.A.	38.9295N	85.7311W	185	From 2012-06-23
Northwest Bangong	ST20	Xizang Zizhiqu,China	32.1677N	89.1416E	4584	From 1998-07-09 to 1999-05-29
Northwest Bangong Suture	ST22A	Xizang Zizhiqu,China	32.3750N	89.0998E	4763	From 1998-07-27 to 1999-06-05
North West River	NWRL	Newfoundland,Canada	53.5253N	60.1424W	6	From 2011-07-21
Northwest Twin Lake	ST31	Xizang Zizhiqu,China	33.1354N	88.8768E	4847	From 1998-07-25 to 1999-06-03
North Woods Club	NWC	New York,U.S.A.	43.8450N	74.1502W		From 1986-10-01
North Xuru	ST08	Xizang Zizhiqu,China	31.2993N	90.0314E	4899	From 1998-07-15 to 1999-06-01
Norton	NNK	Kansas,U.S.A.	39.9363N	100.0420W	732	From 1979-03-01 to 1981-12-31
Norwalk	I40A	Wisconsin,U.S.A.	43.8916N	90.6177W	419	From 2011-08-04 to 2013-06-05
Noshirotokiwa	JNTW	Akita,Japan	40.2718N	140.1613E	42	From 2012-07-01
Nottersdorf	NOTT	Bayern,Germany	49.8110N	12.1223E	490	
Nou	NOUE	Niigata,Japan	37.0480N	138.0309E	240	
Noumea	NOU	New Caledonia	22.3100S	166.4510E	105	From 1960-01-01
Noumea	MVNO	New Caledonia	22.2700S	166.4420E	0	From 2007-01-01
Noumea	NOC	New Caledonia	22.2839S	166.4320E	5	From 1986-12-09 to 1987-10-27
Noumea	ONTRN	New Caledonia	22.3070S	166.4540E	116	From 2007-04-01
Noumea	NORM	New Caledonia	22.2280S	166.4840E	97	From 2007-01-01
Noumea	LASL	New Caledonia	22.2310S	166.5400E	11	From 2007-01-01
NOV1	NOV1	Switzerland	46.3888N	6.8138E	465	From 2010-02-09
NOV2	NOV2	Switzerland	46.3718N	6.8739E	375	From 2010-02-09
NOV3	NOV3	Switzerland	46.4337N	6.9403E	1091	From 2010-02-09
Nova Friburgo	CAM4	Rio de Janeiro,Brazil	22.3568S	42.5653W	2000	
Novalja	NVLJ	Croatia	44.5635N	14.8711E	20	
Novara	NOV	Sicily,Italy	38.0278N	15.1367E	775	
Nova Varos 1	NOVS	Serbia	43.4485N	19.8216E	0	
Nova Varos 2	NVSS	Serbia	43.5077N	19.7005E	0	
Nova Xavantina-MT	NVXV	Mato Grosso,Brazil	14.7132S	52.3517W	349	From 2010-09-14 to 2012-07-24
Novellara	NOVE	Italy	44.7982N	10.7161E	16	From 2003-05-20
Novi di Modena	NDIM	Italy	44.8873N	10.8987E	18	From 2013-02-08
Novi Di Modena	ROCE	Italy	44.9000N	10.9242E	17	
Novo Acordo - TO	RET14	Tocantins,Brazil	9.9880S	47.6280W	292	From 2012-06-13
Novodnistrovsk	NDNU	Ukraine	48.5947N	27.3664E	242	From 2006-07-27
Novokhopersk	VRHR	Voronezhskaya Oblast',Russia	51.0955N	41.6246E	137	From 2003-11-01 to 2008-06-18
Novokhopyorsk	VRH	Voronezhskaya Oblast',Russia	51.2025N	41.7215E	98	From 2008-06-19
Novo Lino, Alagoas, Brazil	NVLB	Alagoas,Brazil	9.0256S	35.5721W	220	From 2011-05-22 to 2013-02-24
Novo Planalto, GO, Brazil	RET9	Goias,Brazil	13.2898S	49.7189W	275	From 2008-07-16 to 2012-12-16
Novo Progresso	NPGB	Para,Brazil	7.0454S	55.3579W	266	From 2014-04-30
Novosibirsk	NVS	Novosibirskaya Oblast',Russia	54.8406N	83.2344E	150	
Novosibirsk	NVSII	Novosibirskaya Oblast',Russia	54.8415N	83.2374E	168	From 1992-07-15
Novosibirsk, NHES, Russia	NHES	Novosibirskaya Oblast',Russia	54.8600N	82.9900E	110	From 2012-02-27
Novy Kostel	NKC	Czech Republic	50.2331N	12.4479E	564	
Nowan	KSNOW	Republic of Korea	37.6863N	127.0694E	130	From 2007-12-12
Nowhere	ST36	Xizang Zizhiqu,China	33.5216N	88.6016E	5070	From 1998-07-11 to 1999-06-04
Now Shahr	NOSH	Iran	36.7000N	51.5000E	0	
NPP	NPPZ	Armenia	40.1670N	44.1330E	945	
NRDS	ADM	Nevada,U.S.A.	36.7697N	116.2850W	1033	From 1965-01-01 to 1970-12-31
Nsakai	JNG	Nagano,Japan	36.4067N	138.1000E	930	
NSKD	NSKD	Egypt	23.6599N	32.3861E	236	
Nu aruja	NARJ	Romania	45.8323N	26.7510E	581	
Nueva Concepcion	NCS	El Salvador	14.1015N	89.1795W	290	
Nuku'alofa	NUK	Tonga	21.1320S	175.2070W	10	From 1983-09-05
Nuku Hiva Island	TAOE	Marquesas archipelago	8.8549S	140.1482W	812	From 2004-12-01
Nukus	NUKS	Uzbekistan	42.3500N	59.7700E	73	
Numazu	NUM	Shizuoka,Japan	35.1000N	138.8500E	6	
Nunatak	NTK	Alaska,U.S.A.	59.8777N	139.0350W	1050	From 1974-09-09 to 1975-10-31
Nunnelly	V47A	Tennessee,U.S.A.	35.8278N	87.5205W	240	From 2012-01-12
Nunuq Camp, NU	NUNN	Nunavut,Canada	65.2146N	91.0784W	229	From 2007-08-16
Nurata	NUT	Uzbekistan	40.5545N	65.6789E	524	From 1967-01-01
Nurek	NRK	Tajikistan	38.4000N	69.3333E		
Nurmija@14rvi	NUR	Finland	60.5090N	24.6490E	102	From 1957-01-01
Nurmija@14rvi	NE61	Finland	60.5090N	24.6490E	105	
Nurpur	NURP	Himachal Pradesh,India	32.2667N	75.8967E		
Nusco	NSC3	Italy	40.8468N	15.1222E	1300	
Nutrioso	Y19A	Arizona,U.S.A.	33.9571N	109.2541W	2448	From 2007-04-04 to 2009-02-21
Nuugaatsiaq	NUUG	Greenland	71.5386N	53.2001W	40	From 2010-07-01
Nuuk	NUUK	Komi,Russia	64.1800N	51.7300W	0	From 2010-09-09
Nuxco	NUXM	Guerrero,Mexico	17.2108N	100.7547W	80	
NWS Agricenter	NAIT	Tennessee,U.S.A.	35.1297N	89.8036W	104	
Nyala	NYA	Sudan	12.0475N	24.9022E	651	From 1980-04-17 to 1982-12-31
Nyarlorinc	PKSN	Hungary	46.8972N	19.8673E	110	
Nydri-Lefkada	NYDR	Greece	38.7135N	20.6983E	14	From 2014-09-01
Nye Farm, Monte Vista	S23A	Colorado,U.S.A.	37.7059N	106.0023W	2323	From 2008-06-07 to 2010-06-17
Nyeri	NYRK	Kenya	0.4290S	36.9370E	1902	From 1997-04-01 to 1997-09-30
Nykoping	NYK	Sweden	58.9240N	17.0910E	33	From 1980-01-01
Nylenda	INYL	Iceland	63.9740N	22.7380W	7	From 1997-02-06
Nynaeshamn	NYNU	Sweden	59.0047N	18.0042E	20	From 2002-01-25
Nyshivtsy	NDNU1	Ukraine	48.5950N	27.5330E	237	
Nyswonger Mesa	PV16	Colorado,U.S.A.	38.3112N	108.9159W	2025	
Nyvrovo	NVV	Sakhalinskaya Oblast',Russia	54.3170N	142.6170E	5	From 1981-11-01
Nyzhne Selyshche	NSLU	Ukraine	48.1976N	24.4571E	250	From 2008-01-01
Oacoma	I30A	South Dakota,U.S.A.	43.9143N	99.4262W	549	From 2009-06-16 to 2011-07-11
Oahu Island	OA-IS	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oahu Island	OA-	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oakdale Elementary Sch.	OK009	Oklahoma,U.S.A.	35.5813N	97.4229W	320	
Oakfield	OAK	New York,U.S.A.	43.0570N	78.3372W	259	From 1971-09-01 to 1974-11-30
Oak Flat	WOFM	California,U.S.A.	35.5354N	118.7135W	1306	
Oak Grove	OKG	Tennessee,U.S.A.	35.6260N	89.8350W	129	From 1975-06-27 to 1992-02-29
Oak Harbor	OHW	Washington,U.S.A.	48.3233N	122.5320W	54	From 1975-05-16
Oakhill	ONH	New Hampshire,U.S.A.	43.2792N	71.5056W	280	From 1975-12-01
Oakley	Q29A	Kansas,U.S.A.	38.8905N	100.9787W	895	From 2009-05-12 to 2011-03-21
Oak Ridge	ORT	Tennessee,U.S.A.	35.9095N	84.3048W	370	From 1967-06-01
Oak Springs Butte	OB3NV	Nevada,U.S.A.	37.2325N	116.0542W	1609	
Oak Springs Butte	OB2NV	Nevada,U.S.A.	37.2253N	116.0578W	1542	
Oak Springs Butte	OB-NV	Nevada,U.S.A.	37.2358N	116.0525W	1731	
Oak Wood Farm, Albion	L38A	Iowa,U.S.A.	42.1410N	92.9597W	300	From 2010-11-09 to 2012-08-28
Oamaru	OMZ	South Island,New Zealand	45.0689S	170.9148E	95	From 1969-10-16 to 1990-07-31
Oasis	OAS	Antofagasta,Chile	23.2006S	69.7139W	1340	
Oasis-Bungera	OBA	Queen Mary Land	66.1667S	100.7330E	24	
Oasis Ranch, Spearman	U29A	Texas,U.S.A.	36.4519N	101.2702W	928	From 2009-04-20 to 2011-03-13
Oat Mountain	OAT	California,U.S.A.	34.3436N	118.6144W	1089	
Oaxaca	OXBJ	Oaxaca,Mexico	17.0673N	96.7240W	1700	From 2009-02-16
Oaxaca	OAX	Oaxaca,Mexico	17.0203N	96.7628W	1570	
Oaxaca	YOO	Oaxaca,Mexico	17.7500N	97.8250W	1600	
Oaxaca	LAGM	Oaxaca,Mexico	16.1042N	97.0778W	201	
Oaxaca	AZO	Oaxaca,Mexico	15.9660N	97.4080W		
Oaxaca	GUO	Oaxaca,Mexico	16.0987N	97.0610W	244	
Oaxaca	PXO	Oaxaca,Mexico	15.7478N	96.3030W	25	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Oaxaca	OXX	Oaxaca,Mexico	17.0817N	96.7233W	1730	From 1984-01-01
Obama	SWAJ	Nagasaki,Japan	32.6775N	130.2022E	257	
Oban	OBZ	Stewart Island,New Zealand	46.9034S	168.1154E	26	From 1976-09-17 to 1993-10-31
Obara	JAO	Gifu,Japan	35.2667N	137.2583E	600	
Obergurgl	OGA	Austria	46.8678N	11.0253E	1934	From 1975-09-01
Oberlin	OBK	Kansas,U.S.A.	39.9288N	100.4390W	792	From 1979-03-01 to 1981-12-31
Oberstdorf	OBER	Bayern,Germany	47.4070N	10.2934E	1000	From 2002-03-18
Obertriebel	TRIB	Sachsen,Germany	50.3517N	12.1370E	510	From 2001-12-19
Obi Garm	OBG	Tajikistan	38.7167N	69.7167E	1350	
Obihiro	OBI	Tokachi,Japan	42.9200N	143.2167E	39	
Obir	OBKA	Austria	46.5092N	14.5489E	1074	
Obispado Ponce	OBIP	Puerto Rico	18.0428N	66.6062W	102	
Obninsk	OBN	Kaluzhskaya Oblast',Russia	55.1138N	36.5687E		
Obo	OBOS	Magadanskaya Oblast',Russia	61.8000N	149.7700E	440	From 1977-01-01
Obock	OBO	Djibouti	11.9853N	43.2917E	40	From 1973-06-01
Observation Rock	OBSR	Washington,U.S.A.	46.8997N	121.8153W	2382	
Observatory	OBSV	South Africa	26.1850S	28.0740E	1815	From 2009-10-19
Observatory	POB1	Scotland,United Kingdom	55.8458N	4.4299W	34	From 1992-01-01
Observatory Ledge	OBL	Hawaii,U.S.A.	19.4175N	155.2840W	1107	
Obsidian Butte	OBB	California,U.S.A.	33.1673N	115.6370W	-59	From 1973-04-16
O'Byrne Ferry	MOYM	California,U.S.A.	37.9000N	120.5670W	176	From 1972-04-19
Ocana	OCAC	Colombia	8.2388N	73.3193W	1264	
Ocara	OCBR	Ceara,Brazil	4.5813S	38.2921W	140	From 2007-01-01
Occhiobello (RO)	CAS01	Italy	44.9293N	11.5771E	5	From 2012-05-23
Ocean Bottom Seismometer	OBS	California,U.S.A.	38.0920N	124.5440W	-3840	From 1966-01-01 to 1972-12-31
Ocean Falls	OFB	British Columbia,Canada	52.3540N	127.6843W	75	
Oceanview	VEW	South Carolina,U.S.A.	32.7177N	79.9415W	-60	
Oceanview Est	OVEH	Hawaii,U.S.A.	19.1535N	155.7653W	1378	
Ochomogo	OCM	Costa Rica	9.8948N	83.9608W	1660	
Ochoppi	061Z	Florida,U.S.A.	25.8657N	80.9070W	9	From 2012-05-14
O'Connell Ranch	HORM	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
O'Connell Ranch	OCR	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
Ocos	OCG	Guatemala	14.5655N	92.1217W	8	From 1984-03-01 to 1988-12-31
Ocos 2	OC2	Guatemala	14.5605N	92.1862W	5	From 1986-07-01
Ocozocoautla	OZC	Chiapas,Mexico	16.7850N	93.3730W	864	
Ocre	AKR	Italy	42.3045N	13.4411E	739	From 2009-05-10
Octopus Mountain	OCWA	Washington,U.S.A.	47.7489N	124.1781W	671	
Octopus West	OOW	Washington,U.S.A.	47.7367N	124.1890W	743	
OCUMARITO	OCUV	Venezuela	10.1164N	66.8000W	248	From 2004-10-08
Oda	JJO	Shimane,Japan	35.1683N	132.5033E	60	
Odare	ODAN	Nepal	26.8600N	87.3900E	2045	From 1994-04-01
Odawara	JOD	Kanagawa,Japan	35.2648N	139.0908E	360	
Odawara 2	JOD2	Kanagawa,Japan	35.2632N	139.0882E	380	
Odda	ODD	Norway	59.9500N	6.6670E	630	From 1984-11-01 to 1987-12-02
Odda	ODD1	Norway	59.9120N	6.6280E	684	From 1987-12-03
Odesa	NE56	Ukraine	46.6760N	30.8990E	30	
Odessa	ODS	Washington,U.S.A.	47.3067N	118.7450W	524	From 1969-03-01
Odessa Site #2	OD2	Washington,U.S.A.	47.3910N	118.7110W	590	From 1989-06-01
Odiongan	OTPR	Luzon,Philippines	12.3620N	122.0210E	120	
Odiongan	OTRP	Panay,Philippines	12.3620N	122.0210E	120	
Od Khalfella	OKL	Morocco	32.2030N	9.1390W	122	
Odobesti	ODBI	Romania	45.7633N	27.0558E	181	From 2007-09-13
Odobesti	ODB	Romania	45.7747N	27.0561E	140	From 1979-01-01 to 1989-01-01
ODP1027	NC27	British Columbia,Canada	47.7627N	127.7579W	-2656	From 2009-09-01
ODP889	NC89	British Columbia,Canada	48.6705N	126.8488W	-1258	From 2009-09-01
Oelwein	K39A	Iowa,U.S.A.	42.7050N	91.8878W	332	From 2011-06-11 to 2013-06-03
Oestervaala	OSTU	Sweden	60.2298N	17.1342E	100	From 2001-12-20
Ofenpass-Fuorn	FUORN	Switzerland	46.6202N	10.2635E	2333	From 2000-09-28
'Ofer	OFRI	Israel	32.6210N	34.9850E	520	
Offenburg	OFBG	Baden-Wurttemberg,Germany	48.4453N	7.9770E	237	From 2001-11-15
Office Forets	ONF	Aquitaine,France	43.0950N	0.7160W		From 1985-02-01
Offida	OFFI	Italy	42.9350N	13.6857E	320	From 2006-05-16
Oficina Alemania	OFA	Antofagasta,Chile	25.1525S	69.9500W	1000	From 1975-01-01
Ofunato	OFU	Iwate,Japan	39.0617N	141.7180E	37	
Ofunato	OFUJ	Iwate,Japan	39.0802N	141.6690E	180	From 1978-01-01
Oga	JOG	Akita,Japan	39.9043N	139.7770E	270	
Oga	OGH	Akita,Japan	39.9050N	139.7769E	354	
Oga 2	JOG2	Akita,Japan	39.9167N	139.7893E	140	
Oga3	JOG3	Akita,Japan	39.9197N	139.0807E	92	From 2012-03-22
Ogallala	OGNE	Nebraska,U.S.A.	40.9451N	102.0330W	1054	From 2007-06-28
Ogasawara	OGS	Bonin Islands,Japan	27.0568N	142.2030E	20	From 1992-06-26
Ogden Bay	OGU	Utah,U.S.A.	41.2750N	111.9440W	1506	From 1975-09-01 to 1979-05-31
Ogdensburg	ODNJ	New Jersey,U.S.A.	41.0829N	74.6056W	187	From 2007-06-23
Ogdensburg	OGD	New Jersey,U.S.A.	41.0875N	74.5958W	-367	From 1961-12-12 to 1981-12-31
Ogeu	OGE	Aquitaine,France	43.1685N	0.4733W	440	
O'Grain Ranch, Modena	R13A	Utah,U.S.A.	38.1802N	113.9691W	1969	From 2007-06-08 to 2009-03-16
Ohakea	OHWZ	North Island,New Zealand	40.2056S	175.3151E	59	From 2011-03-29
Ohasama	JOM	Iwate,Japan	39.4730N	141.2923E	210	
Ohata	JOT	Aomori,Japan	41.3820N	141.0482E	80	
Ohdaira	OHD	Iburi,Japan	42.5262N	140.8425E	250	
O'Higgins	OHC	Antarctic Peninsula	63.3167S	57.9000W	20	
Ohinepanea	OPRZ	North Island,New Zealand	37.8443S	176.5549E	134	From 2006-11-14
Ohio Geological Survey, Columbus	OGSO	Ohio,U.S.A.	40.0568N	82.9654W	268	
Ohio State University	OSUO	Ohio,U.S.A.	39.9981N	83.0109W	226	
Ohio State University--Lima	OSLO	Ohio,U.S.A.	40.7390N	84.0250W	284	
Ohio State University--Mansfield	OSMO	Ohio,U.S.A.	40.7970N	82.5790W	420	
Ohio University	OUAO	Ohio,U.S.A.	39.3220N	82.0970W	217	
Ohira	OHJ	Tochigi,Japan	36.3600N	139.6924E	250	
Ohlone	OHLN	California,U.S.A.	38.0064N	122.2730W	-196	
Ohmine	OMJ	Nagano,Japan	36.6677N	138.1820E	506	
Ohrid	OHR	FYR Macedonia	41.1114N	20.7989E	739	From 1969-01-01
Oil Creek State Park, Oil City	M54A	Pennsylvania,U.S.A.	41.5079N	79.6647W	488	From 2010-11-04
Oil house	OILH	Turkey	40.8636N	28.9921E	14	From 2006-10-04
Oil Point	OPT	Alaska,U.S.A.	59.6528N	153.2300W	625	
Oio	OIZ	North Island,New Zealand	39.0449S	175.3927E	470	From 1990-08-14 to 2004-04-27
Oishiyama	OIS	Wakayama,Japan	34.1053N	135.3270E	678	From 1966-01-07 to 1971-11-04
Oishiyama (A)	OIA	Wakayama,Japan	34.1031N	135.3200E	756	From 1971-08-10
Oishiyama (B)	OIB	Wakayama,Japan	34.0998N	135.3210E	776	From 1971-08-10
Oishiyama (C)	OIC	Wakayama,Japan	34.0989N	135.3170E	776	From 1971-08-10
Oita	OIT	Oita,Japan	33.2333N	131.6230E	5	
Oita 2	OIT2	Oita,Japan	33.2782N	131.4518E	460	From 1994-07-07
Oiwake	OIW	Nagano,Japan	36.3400N	138.5520E	1001	
Ojanco, Jaen	E033	Spain	38.3616N	2.9074W	687	From 2008-04-23 to 2010-02-28
Ojcow	OJC	Poland	50.2195N	19.7984E	391	From 1992-04-01
Ojen	OJEN	Spain	36.0993N	5.5408W	816	
Ojo de Agua	OJOS	El Salvador	13.8633N	89.2367W	645	From 1991-12-01
Ojushtada	UESV	El Salvador	13.3820N	88.7900W	401	
Okabe	OKB	Shizuoka,Japan	34.9500N	138.2538E	-30	
Okains Bay	OKCZ	South Island,New Zealand	43.7233S	173.0595E	492	From 2012-03-01
Okamoto-Ura	KV09	Miyazaki,Japan	32.0183N	130.7878E	280	
Okavango Research Center	ORC1	Botswana	19.9000S	23.5200E	954	From 2001-01-01 to 2100-12-31
Okayama	OKA1	Okayama,Japan	34.6583N	133.9180E	17	
Okayama	OKA	Okayama,Japan	34.6817N	133.9150E	5	
Okayama 2	OKA2	Okayama,Japan	34.6417N	133.9520E	77	
Okeechobee	959A	Florida,U.S.A.	27.5240N	80.8791W	23	From 2012-03-08
Okgye-meyeon	OKEB	Republic of Korea	37.6209N	128.9803E	302	From 2011-12-07
Okha	OKH	Sakhalinskaya Oblast',Russia	53.5500N	142.9330E	24	
Okhotsk	OKHT	Khabarovskiy Kray,Russia	59.3570N	143.2400E	2	From 2007-08-15
Okhotsk	OKHR	Khabarovskiy Kray,Russia	59.3610N	143.2480E	8	From 2005-10-05
Okhotsk	OHTR	Khabarovskiy Kray,Russia	59.3586N	143.3308E	40	
OKI	JOI	Shimane,Japan	36.2908N	133.2482E	106	From 2010-12-01
Okiep	OKP	South Africa,South Africa	29.6467S	17.9650E	936	
Okijuku	OKI	Ibaraki,Japan	36.0500N	140.2500E		
Okinoerabujima	JOKE	Ryukyu Islands,Japan	27.3612N	128.5708E	235	From 2010-02-01
Oklahoma City	OCO	Oklahoma,U.S.A.	35.5240N	97.4740W	351	From 1982-05-21
Oklahoma City	OKCFA	Oklahoma,U.S.A.	35.4153N	97.4514W	379	From 2008-04-22
OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	OKCSA	Oklahoma,U.S.A.	35.4055N	97.4380W	379	From 2008-04-22
Okla Sci Mus	OK004	Oklahoma,U.S.A.	35.5232N	97.4748W	352	
Okmok	OKAK	Alaska,U.S.A.	53.5790N	168.3578W	165	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Okmok Cone D	OKCD	Alaska,U.S.A.	53.4303N	168.1123W	459	
Okmok Cone E	OKCE	Alaska,U.S.A.	53.4270N	168.1643W	515	
Okmok Cone F	OKCF	Alaska,U.S.A.	53.3958N	168.1362W	685	
Okmok East Rim	OKER	Alaska,U.S.A.	53.4537N	168.0512W	956	
Okmok Mt. Idak	OKID	Alaska,U.S.A.	53.4774N	167.8162W	437	
Okmok Mt. Tulik	OKTU	Alaska,U.S.A.	53.3839N	168.0411W	646	
Okmok New Cone D	OKNC	Alaska,U.S.A.	53.4568N	168.1238W	404	
Okmok R'deer Pt	OKRE	Alaska,U.S.A.	53.5202N	168.1641W	422	
Okmok South	OKSO	Alaska,U.S.A.	53.3574N	168.1599W	460	
Okmok Steeple Pt	OKSP	Alaska,U.S.A.	53.2526N	168.2905W	608	
Okmok West Rim	OKWR	Alaska,U.S.A.	53.4347N	168.2056W	1017	
Okmok W'ng Wall	OKWE	Alaska,U.S.A.	53.4721N	168.2398W	445	
Okolona	Y40A	Arkansas,U.S.A.	34.0124N	93.2798W	117	From 2011-01-28 to 2012-11-08
Okreek	J29A	South Dakota,U.S.A.	43.4061N	100.3253W	644	From 2009-09-18 to 2011-05-05
Okuchi	JZO	Kagoshima,Japan	32.1400N	130.5985E	440	
Okuno	OKN	Shizuoka,Japan	34.9319N	139.0706E	140	
Okura	JOU	Yamagata,Japan	38.3655N	140.6640E	390	
Okushiri	OKS	Hiyama,Japan	42.0650N	139.4433E	35	From 1993-07-15
Okushiri--Matsue	JOSM	Hiyama,Japan	42.0827N	139.4752E	79	
Okushj	JOR	Hiyama,Japan	42.0667N	139.4450E	33	
Okuyama	OKY	Yamanashi,Japan	35.2273N	138.4212E	620	From 1978-06-01
Ola	OLAR	Magadanskaya Oblast',Russia	59.6078N	150.9993E	350	From 2009-12-27 to 2010-01-23
Olander Ranch, Little River	R33A	Kansas,U.S.A.	38.3081N	97.9842W	497	From 2009-10-17 to 2011-08-25
OLAS	OLAS	Saudi Arabia	26.2480N	37.6290E	952	
Olbia	OLB	Sardinia,Italy	40.9267N	9.4956E	5	
Oldbury-Upon-Severn	OLDB	England,United Kingdom	51.6609N	2.5515W	6	From 2009-07-14
Old Faithful	YPOF	Wyoming,U.S.A.	44.4525N	110.8413W	2260	From 1972-10-01 to 2004-03-05
Old Faithful	YFT	Wyoming,U.S.A.	44.4513N	110.8358W	2292	
Old Forge	I58A	New York,U.S.A.	43.6901N	74.9733W	599	From 2013-08-26
Old Graveyard	OGTN	Tennessee,U.S.A.	36.4200N	89.4860W	91	
Old Harbor	OHAK	Kodiak Island,U.S.A.	57.2225N	153.2875W	77	
Old House Field, Plymouth	M46A	Indiana,U.S.A.	41.4079N	86.3524W	242	From 2011-10-24
Old Mammoth Mine	OMM	California,U.S.A.	37.6123N	119.0004W	2750	From 2000-07-12 to 2009-06-26
Old Mammoth Mine - surface	OMMB	California,U.S.A.	37.6131N	119.0005W	2768	
OLDS	OLDS	Sweden	56.6190N	16.4990E	5	
Old Woman Plateau	OWUT	Utah,U.S.A.	38.7800N	111.4240W	2568	From 1989-02-08
Oleftalsperre	OLFT	Nordrhein-Westfalen,Germany	50.4939N	6.4202E	470	From 1988-06-01
Olekminsk	OLMR	Sakha,Russia	60.3756N	120.4629E	45	From 2010-06-11
Olema	OLC	California,U.S.A.	38.0397N	122.7930W	30	From 1966-12-22 to 1977-02-23
Olema	NOLM	California,U.S.A.	38.0397N	122.7930W	30	From 1977-02-23
Olintepeque	OLG	Guatemala	14.8977N	91.5077W	2855	
Oliver, Polo	L42A	Illinois,U.S.A.	42.0040N	89.6670W	257	From 2011-11-05 to 2013-11-19
Olkaria	OLK	Kenya	0.8880S	36.3240E	1751	From 1995-03-01 to 1996-10-31
Olkaria West	OLWK	Kenya	0.8380S	36.2640E	1780	From 1996-10-01 to 1997-04-30
Ollague	OLL	Tarapaca,Chile	21.1750S	68.3717W	4000	From 1965-11-01 to 1999-08-25
Olmeto	UOLM	Italy	42.9888N	12.3398E	299	From 2007-06-10
Olmsteadville	I59A	New York,U.S.A.	43.7957N	73.8744W	390	From 2013-09-18
Olmue	OLCH	Valparaiso,Chile	32.9939S	71.1728W	173	
Olney	OLIL	U.S.A.	38.7338N	88.0991W	150	
Olofstrom	OLF	Sweden	56.3080N	14.4700E	118	From 1980-01-01 to 1991-12-31
Olot	OLT	Spain	42.1443N	2.4743E	700	From 1986-01-01 to 2006-12-31
Olten Spital, SO	SOLS	Switzerland	47.3554N	7.9047E	397	From 2015-09-15
Oltu	EOLT	Turkey	40.5452N	41.9728E	1275	From 2007-01-01 to 2012-08-31
Olula del Rio	EXOR	Spain	37.3530N	2.2970W	520	
Olym-Cheeka Pk	OCP	Washington,U.S.A.	48.2979N	124.6252W	487	
Olym-F Res Ctr	OFR	Washington,U.S.A.	47.9331N	124.3960W	152	
Olympia	OLW	Washington,U.S.A.	47.0728N	122.9220W	37	From 1986-08-02
Olympic Penn College CREST BB SMO	OPC	Washington,U.S.A.	48.1001N	123.4129W	90	From 2001-05-30
Olympics--Bonidu Creek	OBC	Washington,U.S.A.	48.0353N	124.0780W	938	From 1980-07-01
Olympics--Burnt Hill	OBH	Washington,U.S.A.	47.3263N	123.8660W	383	
Olympics--Forks	OFK	Washington,U.S.A.	47.9500N	124.3580W	134	From 1980-07-01
Olympics--Lake Quinault	OLQ	Washington,U.S.A.	47.5161N	123.8088W	121	
Olympics--North River	ON2	Washington,U.S.A.	46.8808N	123.7811W	257	
Olympics--North River	ONR	Washington,U.S.A.	46.8771N	123.7710W	257	From 1980-07-01 to 2004-10-21
Olympics--Salmon Ridge	OSR	Washington,U.S.A.	47.5056N	123.9620W	815	From 1989-09-13
Olympics--Snow Dome	OSD	Washington,U.S.A.	47.8208N	123.7020W	2010	
Olympics--Sooes Peak	OSP	Washington,U.S.A.	48.2849N	124.5900W	585	From 1983-10-01
Olympics--Tyee Ridge	OTR	Washington,U.S.A.	48.0833N	124.3440W	712	
Olyphant	OLY	Arkansas,U.S.A.	35.5030N	91.4700W	236	From 1979-11-06
Omae zaki	OMA	Shizuoka,Japan	34.6017N	138.2167E	-165	
Omahuta	OUZ	North Island,New Zealand	35.2197S	173.5961E	63	From 1991-03-11
Omak	OMW	Washington,U.S.A.	48.4803N	119.5610W	421	From 1975-06-01
Omania	OMRZ	North Island,New Zealand	38.1062S	176.3717E	566	From 2007-04-04
Omchak	OCHR	Magadanskaya Oblast',Russia	61.6653N	147.8667E	820	
Ometepe	OME	Nicaragua	11.5377N	85.6837W	181	
Omihachiman	OHM	Shiga,Japan	35.1738N	136.0835E	120	
Omiya	OOM	Yamanashi,Japan	35.2167N	138.6330E		
Omolon, Chukotka	OMOL	Magadanskaya Oblast',Russia	65.2320N	160.5360E	260	From 1982-06-01 to 1993-08-01
Omsukchan	OMS	Magadanskaya Oblast',Russia	62.5150N	155.7750E	527	
Onahama	ONA	Fukushima,Japan	36.9450N	140.9070E	5	
Onalaska	E04A	Washington,U.S.A.	46.5934N	122.7204W	215	From 2005-10-27 to 2008-02-12
Onbets	JOB	Kushiro,Japan	42.9033N	143.8347E	60	
Oncesti	ONCR	Romania	46.4643N	27.2672E	234	From 2004-07-13
Onchagaon	UGON	Uttar Pradesh,India	28.3100N	77.9100E	237	From 2001-04-27
Oneida	ONTN	Tennessee,U.S.A.	36.4815N	84.4433W	635	
O'Neill	K31A	Nebraska,U.S.A.	42.6229N	98.7546W	580	From 2010-08-20 to 2012-04-26
Onerahi	ONE	North Island,New Zealand	35.7740S	174.3627E	30	From 1954-08-28 to 1985-09-26
Ongoro	ONG	Peru	15.8990S	72.4732W	880	
Ongureny	OGRR	Irkutskaya Oblast',Russia	53.6433N	107.5950E	495	
Oni	ONI	Georgia,Georgia	42.5903N	43.4525E	834	From 1967-03-02
Onida	H29A	South Dakota,U.S.A.	44.6261N	100.2125W	548	From 2009-09-11 to 2011-06-30
Onioshidashi	ODSE	Gumma,Japan	36.4219N	138.5219E	1710	
Onokovtsy	ONO	Ukraine	48.6640N	22.3330E	168	From 1963-01-01
Onsala	ONSU	Sweden	57.3966N	11.9260E	4	
Onsala	ONAU	Sweden	57.3965N	11.9177E	16	From 2012-08-01
Ontario (NY)	ONTR	New York,U.S.A.	43.2738N	77.3067W	84	
Onyx Ranch	WORM	California,U.S.A.	35.6956N	118.2425W	795	
Oodnadatta	OOD	South Australia,Australia	27.7944S	135.6880E	111	From 2013-07-17
Oohira	OHRN	Gifu,Japan	35.4877N	137.1946E	330	
Ooide	K09	Iwate,Japan	39.4742N	141.5114E	446	
Ooka	OKAH	Hawaii,U.S.A.	19.4943N	154.9240W	180	
Oologah	OLO	Oklahoma,U.S.A.	36.4573N	95.7108W	196	From 1976-11-28 to 1977-08-07
Oologah	U36A	Oklahoma,U.S.A.	36.3927N	95.7325W	187	From 2010-06-19 to 2012-02-12
Oonami East	KV05	Kagoshima,Japan	31.9217N	130.8586E	1300	
Oonami West	KV03	Kagoshima,Japan	31.9217N	130.8425E	1188	
Oonodaira	K10	Iwate,Japan	39.4958N	141.5147E	616	
Ooshika	OOS	Nagano,Japan	35.5797N	138.0488E	805	
Ootomari	OOT	Sakhalinskaya Oblast',Russia	46.6500N	142.7670E	36	
Opal Mound	OPL	Utah,U.S.A.	38.4817N	112.8720W	1766	
Opana	OPA	Hawaii,U.S.A.	21.6872N	158.0097W	138	From 1965-04-01
Opelika	151A	Alabama,U.S.A.	32.5269N	85.3267W	211	From 2012-01-19 to 2013-08-09
Opiter	BOPT	Belgium	51.1118N	5.6350E	51	From 2007-03-06
Oploo	OPLO	Netherlands	51.5888N	5.8121E	0	
Oppeano	OPPE	Italy	45.3082N	11.1724E	20	From 2009-09-24
Oppenau	OPP	Baden-Wurttemberg,Germany	48.4972N	8.1868E	412	From 2008-04-01
Oracle	117A	Arizona,U.S.A.	32.5716N	110.7393W	1544	From 2007-04-06 to 2008-12-03
Oran	ORA	Buryatiya,Russia	55.9300N	113.6700E	705	
Oran	USTO	Algeria	35.7333N	0.5500W	0	
Orange	ORNG	New South Wales,Australia	33.3019S	149.0937E	850	From 2011-05-02
Orangeburg	OSC	South Carolina,U.S.A.	33.5397N	80.8250W	60	
Orangeburg	OSB	South Carolina,U.S.A.	33.5472N	80.8444W	91	From 1977-04-02
Orange Hill	OHS	St Vincent,Saint Vincent and the Grenadines	13.3170N	61.1480W	274	
Orange Park	557A	Florida,U.S.A.	30.0160N	81.7291W	24	From 2012-02-05
Orbe	ORB	Switzerland	46.7167N	6.5167E		
Orbita	ORBT	Magadanskaya Oblast',Russia	59.7234N	151.0082E	148	From 2009-12-27 to 2010-02-26
Orcadas	ORCD	South Orkney Islands	60.7381S	44.7361W		
Orchard Mesa	OMCO	Colorado,U.S.A.	39.0270N	108.5170W	1460	
Orchilla, El Hierro	CORC	Canary Islands,Spain	27.7047N	18.1448W	97	From 2011-07-01
Ordiarp	ORDF	Aquitaine,France	43.2135N	0.9357W	270	From 1997-10-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ordubad	ORD	Azerbaijan	38.9280N	45.9940E	945	From 2011-11-30
Ordu-Boztepe	ORDU	Turkey	40.9910N	37.8571E	526	From 2010-12-03
Oregon House	AOHM	California,U.S.A.	39.3753N	121.2560W	457	From 1977-02-14
Orenburg	ORR	Orenburgskaya Oblast',Russia	51.6184N	54.7530E	91	From 2004-10-26
Orenburg-2	OR2	Orenburgskaya Oblast',Russia	51.7356N	55.0319E	84	From 2007-08-31
Orenburg-3	OR3	Orenburgskaya Oblast',Russia	51.9005N	54.4098E	188	From 2008-07-17
Orenkoy-Mersin	OREN	Turkey	36.2077N	33.4586E	54	From 2011-07-01
Oreshnoe	ORHR	Krasnoyarskiy Kray,Russia	55.3020N	93.6650E	444	From 2003-03-07
Organos	IIO	Tlaxcala,Mexico	19.5915N	98.7225W	2940	
Organ Pipe National Monument, Ajo	214A	Arizona,U.S.A.	31.9559N	112.8115W	543	From 2007-05-07
Organya	ORG	Spain	42.2278N	1.3322E	740	
Organya	CORG	Spain	42.2303N	1.3176E	716	
Orgiva	ORGV	Spain	36.8572N	3.4322W	1600	
Orhaneli	ORLT	Turkey	40.0460N	28.8960E	649	
Orhaniye	ORH	Turkey	40.8602N	30.0707E	320	From 1995-01-01
Oricopia Mountain	ORCC	California,U.S.A.	33.5662N	115.7692W	1087	
Orie	ORY	Krasnoyarskiy Kray,Russia	55.0031N	95.1089E	378	From 2004-03-19
Oriolo Calabro	ORI	Italy	40.0635N	16.4492E	375	
Oriolo Calabro	OR1	Italy	40.0635N	16.4492E	375	
Oris-en-Rattier	ORIF	Rhone-Alpes,France	44.9183N	5.8800E	1082	From 1996-04-03
Orista	CORI	Spain	41.9735N	2.0499E	331	From 2006-02-01
Oritupano	ORIV	Venezuela	9.0700N	63.4090W	123	From 2002-05-06
Orjiva, Granada	E007	Spain	36.8605N	3.4291W	1289	From 2007-09-13 to 2009-06-26
Orkelljunga	ORK	Sweden	56.2680N	13.2620E	96	From 1980-01-01 to 1991-12-31
Orlando	OR-FL	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orlando	OR-	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orleans, Heritage Park	ORHO	Ontario,Canada	45.4563N	75.5367W	51	From 2007-06-19
Orleans, Innes Road, Ontario	ORIO	Ontario,Canada	45.4515N	75.5110W	74	From 2008-06-19
Orleans Mountain	KOMM	California,U.S.A.	41.2788N	123.4520W	1181	
Orlik	ORL	Buryatiya,Russia	52.5389N	99.8100E	1360	
Ormoc	OCLP	Leyte,Philippines	11.0510N	124.6090E	130	
Ormstown	G58A	Quebec,Canada	45.1492N	74.0540W	53	From 2013-07-25
Oroboro, Fairlee	I61A	Vermont,U.S.A.	43.9323N	72.2087W	287	From 2013-09-03
Orongorongo Tunnel	OTW	North Island,New Zealand	41.2758S	175.0044E	220	From 1992-07-28 to 2004-06-08
Orono	ORNO	Maine,U.S.A.	44.8920N	68.6720W	100	From 2008-12-01
Oropa	ORO	Italy	45.6275N	7.9814E	1160	
Oropa	ORX	Italy	45.6325N	7.9817E	1250	
Orotukan	ORTS	Magadanskaya Oblast',Russia	62.2600N	151.3400E	470	
Oroville	ORV	California,U.S.A.	39.5545N	121.5004W	334	From 1963-01-01
Oroz-Betelu	EORO	Spain	42.8926N	1.3095W	880	From 2007-04-27
Orsara di Puglia	FG5	Italy	41.2825N	15.2678E	660	
Ortayu	OTUK	Kazakhstan	48.2445N	72.3378E	602	From 2010-02-10
Ortega, Tolima	ORTC	Colombia	3.9090N	75.2460W	446	From 2013-06-20
Orti	OII	Italy	38.1533N	15.6892E		
Ortiz Mountain	OTZ	New Mexico,U.S.A.	35.7603N	106.1730W	2091	From 1976-09-17
Ortiz Mt. (NFS), Santa Fe National Forest	V23A	New Mexico,U.S.A.	35.7452N	106.1833W	1991	From 2008-05-05 to 2010-04-08
Ortonville	G33A	Minnesota,U.S.A.	45.1946N	96.4383W	338	From 2010-10-07 to 2012-07-22
Orto-Tokoy	OTK	Kyrgyzstan	42.3460N	76.0170E	1700	
Orzinuovi	ORZI	Italy	45.4056N	9.9307E	83	From 2008-04-24
Os	OSGS	Norway	60.1900N	5.4600E	30	From 2002-01-01
Osaka	OSK	Osaka,Japan	34.6117N	135.6000E	472	
Osaka	OSA	Osaka,Japan	34.6783N	135.5220E	13	
Osakifurukawaosaki	JOFO	Miyagi,Japan	38.6022N	140.9112E	29	From 2012-11-01
Osborn	OSBY	New York,U.S.A.	41.3603N	73.9239W	212	
Oschiri	OSKI	Italy	40.8210N	9.1083E	896	From 2006-12-12
Oseberg A Platform	OSG	Norway	60.4970N	2.8760E	-100	From 1988-01-01 to 2003-04-05
Osh	OHH	Kyrgyzstan	40.5240N	72.7850E	980	
Oshima	OSHJ	Bonin Islands,Japan	34.7467N	139.3670E	76	From 1991-12-18
Oshima	OSH	Bonin Islands,Japan	34.7617N	139.3783E	191	
O shima 2	JIM	Bonin Islands,Japan	34.7617N	139.3767E	190	
Oshima 3	JIM2	Bonin Islands,Japan	34.7175N	139.4312E	405	
Oshimamatsumae	JOMM	Hokkaido,Japan	41.5248N	140.0069E	27	From 2013-07-01
Osimo	MOSM	Italy	43.4900N	13.4940E	117	From 1998-03-28
Osimo (AN)	AD06	Italy	43.4944N	13.4366E	112	From 2010-03-30
Osito Audit: Castaic Lake Dam, Castaic	OSI	California,U.S.A.	34.6145N	118.7235W	718	From 1995-06-28
Oskarshamn	OSKU	Sweden	57.1947N	16.0994E	100	From 2002-11-01
Oslo	OO-	Norway	61.0547N	10.8661E	555	
Oslo	OSL	Norway	59.9372N	10.7227E	70	
Oslo	OO-NW	Norway	61.0547N	10.8661E	555	
Osmaniye	KAMA	Turkey	37.1861N	36.6677E	983	From 2009-10-06
Osmaniye	OSMT	Turkey	40.6022N	29.7002E	820	From 1993-01-01
Os-Marcillon	OSML	Aquitaine,France	43.3892N	0.5928W	105	
Osorio	EOSO	Spain	28.0718N	15.5525W	760	
Osorno	OSCH	Valdivia,Chile	40.5758S	73.1276W	45	
Ospenovka	USP	Kazakhstan	43.2669N	74.4997E	740	
Osses	OSSF	Aquitaine,France	43.2560N	1.2618W	240	From 1997-06-01
Ossining	OSNY	New York,U.S.A.	41.2117N	73.8283W	122	
Ossora	OSSR	Kamchatskaya Oblast',Russia	59.2500N	163.0600E	5	
Ostas	OSTC	Czech Republic	50.5565N	16.2156E	554	From 2005-07-01
Ostende	BOST	Belgium	51.2382N	2.9387E	3	From 2009-05-01
Ostiglia (MN)	MIR07	Italy	45.0810N	11.1301E	13	From 2012-05-23
Ostrava-Krasne	OKC	Czech Republic	49.8375N	18.1472E	272	From 1994-01-01
Ostromysovka	OSMR	Sakhalinskaya Oblast',Russia	47.2450N	143.0100E	30	From 2004-11-10
Ostuacan	OSCM	Chiapas,Mexico	17.4056N	93.3347W		
Ostula	OSM	Michoacan,Mexico	18.4972N	103.4719W		
Oswego	OSWG	New York,U.S.A.	43.5170N	76.4162W	84	
OT011	OT011	Ontario,Canada	45.3939N	75.7149W	94	From 2005-10-21
Otahua Downs	ODZ	South Island,New Zealand	45.0440S	170.6446E	274	From 1990-08-31
Otaki Gorge	OGWZ	North Island,New Zealand	40.8167S	175.1704E	206	From 2007-09-24
Otama	JFT	Fukushima,Japan	37.5182N	140.3367E	350	
Otara	OTAZ	North Island,New Zealand	36.9494S	174.9249E	140	From 1996-09-17 to 2009-12-23
Otavalo	AOTA	Ecuador	0.2401N	78.2557W	2529	From 2011-03-31
Otavalo	OTAV	Ecuador	0.2376N	78.4508W	3492	
Otepa	OTP	Tuamotu,French Polynesia	18.1675S	140.8570W	2	From 1976-01-01
Oterleek	OTL2	Netherlands	52.6289N	4.8227E	-104	From 1995-04-21
Oterleek	OTL1	Netherlands	52.6289N	4.8227E	-54	From 1995-04-21
Oterleek	OTL	Netherlands	52.6299N	4.8226E	-3	
Oterleek	OTL3	Netherlands	52.6289N	4.8227E	-154	From 1995-04-21
Oterleek	OTL4	Netherlands	52.6289N	4.8227E	-204	From 1995-04-21
Othello	OTH	Washington,U.S.A.	46.7390N	119.2160W	384	From 1969-03-01
Othello	OT2	Washington,U.S.A.	46.7214N	119.2350W	355	From 1988-12-01 to 2001-11-01
Othello 3	OT3	Washington,U.S.A.	46.6690N	119.2330W	322	
Otiai	OTI	Sakhalinskaya Oblast',Russia	47.3333N	142.7830E		
Otisfield	I63A	Maine,U.S.A.	44.0505N	70.5809W	177	From 2013-09-27
Ottawa	OTT	Ontario,Canada	45.3942N	75.7167W	77	From 1906-01-01
Otterbach	OTTER	Switzerland	47.5778N	7.6038E	298	From 2006-01-01
Otterbach 1 (BS)	OTER1	Switzerland	47.5777N	7.6037E	-206	From 2009-10-01
Otterbach 2 (BS)	OTER2	Switzerland	47.5791N	7.6046E	-2487	From 2006-10-01
Otter Creek Ranch, Eureka	S35A	Kansas,U.S.A.	37.6821N	96.3190W	334	From 2010-03-26 to 2012-03-04
Otter Lake	F55A	Quebec,Canada	45.8338N	76.3510W	218	From 2012-11-08
Otter Rapids	OTRO	Ontario,Canada	50.1818N	81.6286W	109	
Oturere	OTVZ	North Island,New Zealand	39.1631S	175.6651E	1506	From 2004-11-18
Ouanaham	OUA	Loyalty Islands,New Caledonia	20.7747S	167.2440E	29	
Oud Koma	ODK	Djibouti	11.5932N	42.4901E	100	From 1987-01-01
Oued Fodda	OFD	Algeria	36.0667N	1.6000E	377	From 1935-01-01 to 1982-12-31
Ouen Island, New Caledonia	OUENC	New Caledonia	22.4183S	166.8416E	115	From 2011-08-09
Ouen Toro	ONTNC	New Caledonia	22.3073S	166.4540E	107	
Oujda	OUJ	Morocco	34.6570N	1.9010W	600	
Oukaimeden	OUK	Morocco	31.2070N	7.8660W	2831	
Oulainen	OUFX	Finland	64.3645N	24.7031E	90	From 2011-02-10
Oulanka, Finland	OLKF	Finland	66.3206N	29.4003E	310	From 2014-01-01
Oulhaca	OLHC	Algeria	35.2500N	1.4200W	600	From 2005-01-01
Oulu	OUL	Finland	65.0853N	25.8964E	60	
Oum El Arais	OAR	Tunisia	34.5317N	8.3968E	475	
Oura	ORJ	Shiga,Japan	35.5171N	136.1197E	150	
Ouranopolis	OUR	Greece	40.3344N	23.9819E	60	From 1981-01-01
Ouri	JIO	Miyagi,Japan	38.4543N	141.3488E	40	
Outingdale	AODM	California,U.S.A.	38.6148N	120.7280W	520	From 1976-10-19
Outlet	OUT	Hawaii,U.S.A.	19.3897N	155.2820W	1038	From 1958-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Outpost Mountain	YUK6	Yukon Territory,Canada	60.9432N	138.3626W	2233	From 2010-08-29
OUZ	OUZM	Morocco	30.9090N	6.7600W	1216	
Ovalau	OVA	Fiji	17.6862S	178.7837E	439	From 1979-10-01
Ovalle	OVCH	Coquimbo,Chile	30.6080S	71.2010W	222	
Ovando	OVMT	Montana,U.S.A.	47.0643N	112.9967W	1494	
Ova Spin	OSS	Switzerland	46.6868N	10.1437E	1700	From 1982-01-01 to 2002-01-02
Over Castle Rock	OCN	New York,U.S.A.	43.8848N	74.5293W	701	From 1974-07-01 to 1979-07-31
Overton	OVE	Nevada,U.S.A.	36.5311N	114.4420W	395	From 1940-07-01 to 1952-07-31
Owase	OWA	Mie,Japan	34.0667N	136.1950E	17	
Owens Crossroads	OCA	Alabama,U.S.A.	34.6138N	86.4352W	250	
Owens Ranch, Tucumcari	W26A	New Mexico,U.S.A.	35.0891N	103.7656W	1314	From 2008-05-08 to 2010-04-09
Owens River	ORC	California,U.S.A.	37.6353N	118.6560W	2301	From 1979-11-01
Owia	SOA	St Vincent,Saint Vincent and the Grenadines	13.3735N	61.1486W	40	
Owl Hoot	OHTN	Tennessee,U.S.A.	36.1500N	89.5200W	82	
Oxbow	E63A	Maine,U.S.A.	46.4220N	68.4220W	238	From 2013-09-23
Oxenhope Moor	OMWY	England,United Kingdom	53.7909N	1.9799W	438	
Oxford	757A	Florida,U.S.A.	28.9413N	82.0685W	22	From 2012-02-12
Oxford	U58A	North Carolina,U.S.A.	36.3944N	78.5493W	169	From 2013-03-21
Oxford	OXZ	South Island,New Zealand	43.3259S	172.0383E	319	From 2009-03-14
Oxford	OXD	England,United Kingdom	51.7667N	1.2500W	61	
Oxford	OXF	Mississippi,U.S.A.	34.5118N	89.4092W	101	From 1993-09-17
Ox Mountain	OXMT	California,U.S.A.	37.4994N	122.4243W	14	
Oxtotitlan	OXM	Mexico D.F.,Mexico	19.2972N	99.6883W	2700	
Oya 1	OYT	Hyogo,Japan	35.3339N	134.6645E	260	
Oya 2	OYT2	Hyogo,Japan	35.3218N	134.6658E	230	
Oyama	OYM	Kanagawa,Japan	35.4201N	139.2430E	600	From 1970-04-01
Ozalj	OZLJ	Croatia	45.6153N	15.4673E	0	From 2011-01-10
Ozark Folk Center	FCAR	Arkansas,U.S.A.	35.8898N	92.1242W	190	
Ozernaya	AY2S	Sakha,Russia	63.7500N	146.1100E	875	From 1971-06-01 to 1971-12-31
Ozernaya	OZE	Buryatiya,Russia	56.3000N	113.9800E	620	
Ozero (Kronotsky)	OZRR	Kamchatskaya Oblast',Russia	54.6920N	160.3920E	391	
Ozhidaevo	OZHR	Sakhalinskaya Oblast',Russia	47.0400N	143.3900E	-111	
Ozhidaevo	OJD4	Sakhalinskaya Oblast',Russia	47.0286N	142.3989E	230	From 1996-01-01
Ozolo	OZOL	Trentino,Italy	46.4045N	11.0517E	1231	From 2000-12-31
PA01 North	PA01	British Columbia,Canada	48.6526N	123.4470W	3	From 2010-12-09
PA02 Ocean	PA02	British Columbia,Canada	48.6518N	123.4489W	3	From 2010-12-09
PA03 Flamable	PA03	British Columbia,Canada	48.6517N	123.4448W	8	From 2010-12-09
PA04 Cage	PA04	British Columbia,Canada	48.6510N	123.4462W	8	From 2010-12-09
PA05 Willingdon	PA05	British Columbia,Canada	48.6497N	123.4438W	8	From 2010-12-09
PA12 Sannich	PA12	British Columbia,Canada	48.6482N	123.4496W	10	From 2010-12-09
Paamiut	PAAG	Greenland	61.9914N	49.6613W	22	
Paberze	PABE	Lithuania	55.5052N	23.9680E	53	From 2012-04-23
Paburg¨	PBUR	Lithuania	56.0236N	21.9294E	122	From 2011-11-03
Pacaembu	PCMB	Sao Paulo,Brazil	21.6071S	51.2614W	345	From 2013-11-30
Pacatuba, Sergipe, Brazil	PCTB	Sergipe,Brazil	10.4135S	36.7023W	67	From 2011-06-18 to 2013-02-25
Pacaya	PCG	Guatemala	14.3938N	90.6075W	2100	From 1987-03-01
Pacayal	PACA	El Salvador	13.4690N	88.3233W	1123	
Pace	449A	Florida,U.S.A.	30.7596N	87.2151W	57	From 2012-01-18
PACH	PACHH	Bolivia	19.8681S	69.4157W	1620	From 1994-11-21 to 1995-07-14
Pacheco Lake	HPCM	California,U.S.A.	37.0599N	121.2758W	468	
Pacheco Lake	PCL	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	AN4*	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	HPLM	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Peak	PACP	California,U.S.A.	37.0080N	121.2870W	844	From 2003-06-19
Pachino	HPAC	Sicily,Italy	36.6965N	15.1114E	19	From 2012-11-05
Pacific Creek	PACW	Wyoming,U.S.A.	43.9023N	110.4850W	2140	From 1986-01-01
Pacitan	PCJI	Jawa,Indonesia	8.1947S	111.1771E	0	From 2007-12-01
Packway	APAE	England,United Kingdom	52.3006N	1.4782E	58	From 1984-01-01
Pacto, Paraˆ›so	PAC1	Ecuador	0.2661N	78.7914W	1257	From 2012-08-03
Padang	PDSI	Sumatera,Indonesia	0.9118S	100.4617E	276	From 2005-01-01
Padang Panjang	PPI	Sumatera,Indonesia	0.4568S	100.3970E	0	
Padmapur Odisha,India	PADA	Orissa	20.9985N	83.0565E	199	From 2015-07-16
Padua	PAD	Italy	45.4086N	11.8861E	12	
Paducah	PAKY	Kentucky,U.S.A.	37.0570N	88.7720W	76	From 1990-10-01
Paducah	T45A	Kentucky,U.S.A.	37.0196N	88.6447W	119	From 2011-11-17
Paea	PAE	Tahiti,French Polynesia	17.6619S	149.5800W	10	
Paeroa	PATZ	North Island,New Zealand	38.3795S	176.2585E	940	From 1987-05-01 to 2007-04-04
Paez Belalcazar	MARP	Colombia	2.8430N	75.9550W	2207	
Pagadian	PAGZ	Mindanao,Philippines	7.8480N	123.3820E	50	
Pagan	PAGN	Mariana Islands	18.0750N	145.7310E	540	From 1992-07-01
Pagan Volcano	PAGV	Mariana Islands	18.1250N	145.7700E	10	From 1992-07-01
Page	PGAZ	Arizona,U.S.A.	36.9057N	111.4620W	1272	
Pagerwojo	PWJI	Jawa,Indonesia	8.0220S	111.8039E	0	From 2007-12-01
Pagoda	O21A	Colorado,U.S.A.	40.2149N	107.4705W	2343	From 2007-11-10 to 2009-11-05
Pagosa Springs	PGS	Colorado,U.S.A.	37.2653N	107.0210W		
Pahaquarry	PQN	New Jersey,U.S.A.	41.0073N	75.0858W	229	
Pahoa	PAH	Hawaii,U.S.A.	19.4950N	154.9470W	205	From 1958-01-01 to 1969-01-01
Pahoa Fire House	PFH	Hawaii,U.S.A.	19.4969N	154.9490W	201	From 1986-01-01
Pah Rah Range	PAHR	Nevada,U.S.A.	39.7065N	119.3842W	1500	
Pahroc Range	PRN	Nevada,U.S.A.	37.4067N	115.0508W	1402	
Pahute Mesa	PMN	Nevada,U.S.A.	37.2807N	116.3020W	2141	From 1973-06-05 to 1973-06-22
Pahute Mesa	LO2	Nevada,U.S.A.	37.1979N	116.3790W	2019	From 1973-05-01 to 1975-12-31
Pahute Mesa Site	PH4NV	Nevada,U.S.A.	37.2556N	116.4636W	1917	
Pahute Mesa Site	PH3NV	Nevada,U.S.A.	37.3725N	116.5286W	1603	
Pahute Mesa Site	PH2NV	Nevada,U.S.A.	37.2422N	116.4644W	1908	
Pahute Mesa Site	PH-NV	Nevada,U.S.A.	37.2983N	116.5481W	1792	
Paiam	PIAM	Papua New Guinea	5.4650S	143.1490E	2220	
Paila	NASE	Xizang Zizhiqu,China	31.9886N	91.7057E	4653	From 1998-08-07 to 1999-05-27
P Aileron	PAI	Martinique,France	14.8044N	61.1564W	844	
Pajala	PAJU	Sweden	67.0240N	23.1130E	500	From 2004-04-17
Pakayacu	PKYU	Ecuador	1.6477S	77.5950W	391	From 2012-11-30
Pak Chong	PCT	Thailand	14.6808N	101.4110E	360	From 1978-10-01
Pakhachi	PCHS	Kamchatskaya Oblast',Russia	60.5580N	169.1250E	5	
Pakihiroa	PKGZ	North Island,New Zealand	37.8881S	178.0768E	708	From 2010-06-22
Pakoon Wash	U13A	Arizona,U.S.A.	36.4151N	113.9653W	712	From 2007-02-16 to 2008-11-12
Pala Acreide	HPAR	Sicily,Italy	37.0750N	14.9980E	600	From 1994-05-01
Palacio de Doana, Huelva	E010	Spain	36.9886N	6.4431W	52	From 2007-09-24 to 2009-06-24
Palaiochora Chania	PLC1	Crete,Greece	35.2314N	23.6285E	7	From 2011-10-01
Palaiochora Chania	KNDR	Crete,Greece	35.2340N	23.6857E	25	From 2006-12-01
Palaion Diasellon	DSL	Greece	39.1338N	21.0963E	525	From 2008-02-22
Pala-Maneri	PLMI	Uttar Pradesh,India	30.8417N	78.6292E	1640	From 1987-10-01
Palana	PALS	Kamchatskaya Oblast',Russia	59.0930N	159.9630E	5	From 1994-03-01
Palana	PALN	Kamchatskaya Oblast',Russia	59.0890N	159.9660E	38	From 2008-11-13
Palanan	PALP	Luzon,Philippines	17.0630N	122.4250E	50	
Palangkaraya	PKKI	Kalimantan,Indonesia	2.2410S	113.9721E	69	
Palangkaraya	PLKI	Kalimantan,Indonesia	2.2262S	113.9453E	70	From 2005-01-01
Palata Pepoli (BO)	T0811	Italy	44.7838N	11.2265E	9	From 2012-05-20 to 2012-07-31
Palau	PALU	Caroline Islands,Palau	7.3436N	134.4741E	10	
Palau	PLA	Caroline Islands,Palau	7.3333N	134.4830E	390	
PALAU INFRASONIC ARRAY REFERENCE POINT	I39PW	Caroline Islands,Palau	7.5355N	134.5470E	100	From 2005-08-10
Palau Saverdera	CPAL	Spain	42.3116N	3.1636E	223	From 2007-03-01
Palayan	PCPH	Luzon,Philippines	15.5620N	121.0960E	7	
Palazzolo	PZI	Sicily,Italy	37.0571N	14.9476E	603	From 1983-10-01
Palazzo San Gervasio	PALZ	Italy	40.9441N	15.9602E	450	From 2006-08-07
Palemas	MPAL	Morocco	35.2250N	3.9420W	412	From 1994-02-15
Palemas	PALE	Morocco	35.2170N	3.9390W	482	
Palembang	PMBI	Sumatera,Indonesia	2.9270S	104.7720E	30	From 2005-01-01 to 2009-05-29
Paleo Inst,Ithaca	PRNY	New York,U.S.A.	42.4666N	76.5361W	205	
Palermo	PLR	Sicily,Italy	38.1440N	13.3477E	60	
Palermo	PAM	California,U.S.A.	39.4488N	121.5200W		From 1976-01-01
Palgon	ST10	Xizang Zizhiqu,China	31.4928N	90.0081E	4670	From 1998-07-15 to 1999-06-01
Palhano	ET03	Ceara,Brazil	4.7808S	38.0388W	34	
Paliouri	PAIG	Greece	39.9272N	23.6797E	140	From 1981-01-01
Paliouri	PLR1	Greece	39.9363N	23.6767E	140	From 2014-01-21
Palisades	PAL	New York,U.S.A.	41.0055N	73.9079W	66	From 1980-01-01
Palizzi	MPAZ	Sicily,Italy	37.9531N	16.0067E	496	From 2006-09-20
Pallekele	PALK	Sri Lanka	7.2728N	80.7022E	460	
Palliser	PLWZ	North Island,New Zealand	41.5692S	175.2548E	638	From 2007-02-20
Palma Real	PALR	Venezuela	11.0000N	63.9110W	920	From 1984-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Palmaria, Porto Venere	PLMA	Italy	44.0498N	9.8507E	22	From 2010-03-28
Palmar Norte	EDPN	Costa Rica	8.9620N	83.4570W	47	
Palmasola	PSM	Oaxaca,Mexico	16.7048N	95.0410W	750	From 1990-01-01
Palm-Egli Farm, Albin	M25A	Wyoming,U.S.A.	41.4347N	104.0551W	1636	From 2008-11-13 to 2010-10-09
Palmela	PLML	Portugal	38.5550N	8.9033W	216	
Palmer	PLMR	South Australia,Australia	34.8728S	139.1508E	138	From 2006-08-10
Palmer	PMR	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1967-09-01
Palmer East	PME	Alaska,U.S.A.	61.6283N	149.0317W	232	From 1980-09-01 to 1999-08-25
Palmer High School	PHSA	Alaska,U.S.A.	61.6089N	149.1487W	144	
Palmer Road	PREZ	North Island,New Zealand	39.3421S	174.1590E	558	From 2010-02-23
Palmer South	PMS	Alaska,U.S.A.	61.2447N	149.5610W	716	From 1967-05-25 to 2005-08-05
Palmer Station	PMSA	Antarctic Peninsula	64.7742S	64.0490W	10	From 1993-03-01
Palmer USGS	PLRM	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1984-09-20
Palmer West	PWA	Alaska,U.S.A.	61.6508N	149.8790W	137	From 1967-05-23 to 2005-08-05
Palmi	ME03	Italy	38.3301N	15.8374E	567	From 2007-10-20 to 2009-02-05
Palmichal	PALM	Venezuela	10.2046N	64.4388W	1100	From 1984-01-01 to 1999-08-25
Palm Springs	PSP	California,U.S.A.	33.7938N	116.5490W	195	
Palmyra I.	PR-	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palmyra Island	PR-IS	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palo	PLP	Leyte,Philippines	11.1650N	124.9790E	133	From 1975-10-01
Palo Alto--Branner	PAC	California,U.S.A.	37.4167N	122.1820W	83	From 1927-11-21 to 1965-05-31
Palomar	PLM	California,U.S.A.	33.3534N	116.8620W	1692	From 1939-09-07
Palomares Rd	LT18	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	CPLM	California,U.S.A.	37.6375N	121.9610W	317	From 1980-01-23 to 2008-07-16
Palomares Road	PLC	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomo	PALO	Costa Rica	9.7850N	83.8203W	1440	
Palomo	PAL1	Costa Rica	9.7830N	83.8240W	1500	
Palora	PALA	Ecuador	1.6917S	77.9562W	908	
Palos Verdes	PVR	California,U.S.A.	33.7583N	118.3570W	340	From 1956-03-21 to 1981-09-30
Palos Verdes	PVRC	California,U.S.A.	33.7522N	118.3710W	183	From 1981-09-30
Palos Verdes	PVPS	California,U.S.A.	33.7867N	118.4030W		
Palo Verde	A494	Costa Rica	10.3465N	85.3503W	0	From 2000-01-01
Palo Verde	PLVR	Costa Rica	10.3480N	85.3510W	1475	
Palu	PLU	Turkey	38.7000N	39.9308E	979	From 1973-09-12
Palu	PCI	Sulawesi,Indonesia	0.9054S	119.8366E	150	From 1981-01-01
Palub	PALB	Xizang Zizhiqu,China	29.6533N	91.1330E	3675	From 2004-08-27
Pamatai, Papeete	PPTF	Tahiti,French Polynesia	17.5896S	149.5652W	705	From 2009-04-25
Pamplona	EXPA	Spain	42.8140N	1.6250W	478	
Pamplona, Colombia	PAMC	Colombia	7.3395N	72.6995W	3676	From 2011-01-17
Panagyurishte	PGB	Bulgaria	42.5500N	24.1667E	775	
Panama	BASP	Panama	9.0249N	79.5536W	0	From 2008-10-16
Panamint Range	PGE	California,U.S.A.	36.3489N	117.0660W	1850	From 1987-11-28 to 1988-02-13
Panamint Range	PANV	California,U.S.A.	36.3932N	117.0990W	1697	From 1988-04-01
Panarea	PLI	Sicily,Italy	38.6281N	15.0619E	98	
Panarea 2	ME12	Sicily,Italy	38.6315N	15.0700E	119	From 2007-11-06 to 2010-01-31
Panarea IE	IPAN	Sicily,Italy	38.6393N	15.0702E	30	From 1985-01-01
Panarotta	PANI	Italy	46.0501N	11.3341E	1983	From 1982-01-01
Panbari	PNBI	Assam,India	26.5333N	93.4833E	350	
Panbu Gunsar	TAGA	Xizang Zizhiqu,China	29.7400N	91.4600E	3788	From 2006-01-19
Pancar Batu	PCBI	Sumatera,Indonesia	1.8900N	98.9253E	1000	
Pancar Gunung	PACI	Jawa,Indonesia	6.5928S	106.9100E	850	From 1991-10-01
Panda Hill	PDHT	Tanzania,United Republic of Tanzania	8.9832S	33.2417E	1340	From 1992-06-08
Pandan	PAP	Panay,Philippines	11.7335N	122.1150E		From 1977-04-28 to 1980-04-30
Pandan	PDP	Panay,Philippines	11.7143N	122.0962E		From 1980-04-01
Pan de Azucar	AC01	Atacama,Chile	26.1479S	70.5987W	346	From 2012-12-30
Panekirikiri	PAHZ	North Island,New Zealand	38.8574S	177.0544E	563	From 1987-03-24 to 2000-12-05
Pangkalan Bun	PBKI	Kalimantan,Indonesia	2.7047S	111.6697E	74	From 2005-01-01
Pangkal Pinang	PPBI	Bangka,Indonesia	2.1616S	106.1364E	64	From 2005-01-01
Pangkog	ST14A	Xizang Zizhiqu,China	31.7986N	89.6611E	4511	From 1998-07-25 to 1999-01-05
Panguitch	S15A	Arizona,U.S.A.	37.6761N	112.3627W	2102	From 2007-05-15 to 2008-11-15
Panguna	PAA	Bougainville,Papua New Guinea	6.3006S	155.4910E	699	From 1972-12-04
Panhandle Gap, Mount Rainier	PANH	Washington,U.S.A.	46.8590N	121.6426W	2109	
Panimavida	PAN	Linares,Chile	35.7517S	71.4032W	175	
Pank, Wackersville	P58A	Maryland,U.S.A.	39.4891N	77.3005W	139	From 2013-06-29
Panorama	PAN1	Greece	40.5847N	23.0315E	132	From 2008-09-30
Panormos, Dorida, Greece	PANR	Greece	38.3735N	22.2497E	149	From 2001-06-08
Pansheti	PNSH	Georgia	42.6351N	44.6163E	1794	From 2014-05-22
Panska Ves	PVCC	Czech Republic	50.5282N	14.5689E	311	
Pantabangan	PEP	Luzon,Philippines	15.8110N	121.1070E		
Pantelleria	PTS	Sicily,Italy	36.8111N	11.9961E	100	
Pantelleria Cuddia di Mida	PTMD	Sicily,Italy	36.7884N	11.9933E	615	From 2010-07-13
Paolisi	PAOL	Italy	41.0312N	14.5675E	715	From 2010-02-26
Papamoa	PARZ	North Island,New Zealand	37.7319S	176.2902E	180	From 1995-03-24 to 2002-12-08
Papanoa	PPNM	Guerrero,Mexico	17.3005N	101.0378W	260	
Papa Simpson, Farm, Arcadia	141A	Louisiana,U.S.A.	32.6046N	92.9049W	91	From 2011-02-14 to 2012-11-12
Papayo	PPOM	Guerrero,Mexico	17.0200N	100.2400W	100	
Papeete	THT	Tahiti,French Polynesia	17.5690S	149.5740W	337	
Papeete	PPT	Tahiti,French Polynesia	17.5682S	149.5761W	258	
Papeete2	PPT2	Tahiti,French Polynesia	17.5896S	149.5764W	705	From 2008-11-27
Papenoo	PPN	Tahiti,French Polynesia	17.5308S	149.4320W	100	
Paphos	PPCY	Cyprus	34.8847N	32.3450E	60	From 1987-02-01
Papudo	PACH	Valparaiso,Chile	32.5370S	71.4370W	692	
Paracas	PCS	Peru	13.8033S	76.2783W	100	
Parade	G28A	South Dakota,U.S.A.	45.0749N	100.9161W	709	From 2009-06-11 to 2011-05-07
Paradise	PARR	Nevada,U.S.A.	38.7707N	117.8965W	1774	
Paradis Home	SHVB	British Columbia,Canada	48.4723N	123.6360W	69	From 2003-02-27
Paradox Valley	PV06	Colorado,U.S.A.	38.3325N	108.4580W	2213	
Paradox Valley	PV15	Colorado,U.S.A.	38.3418N	108.4810W	2280	
Paradox Valley	PV03	Colorado,U.S.A.	38.2543N	108.8480W	2007	
Paradox Valley	PV04	Colorado,U.S.A.	38.3934N	108.9050W	1756	
Paradox Valley	PV08	Colorado,U.S.A.	38.5763N	108.6470W	2940	
Paradox Valley	PV02	Colorado,U.S.A.	38.2073N	108.7370W	2166	
Paradox Valley	PV07	Colorado,U.S.A.	38.4380N	108.6470W	2001	
Paradox Valley	PV05	Colorado,U.S.A.	38.0782N	109.0990W	2115	
Paradox Valley	PV01	Colorado,U.S.A.	38.1344N	108.5700W	2182	
Paradox Valley	PV09	Colorado,U.S.A.	38.4987N	109.1330W	2652	
Paradox Valley	PV10	Colorado,U.S.A.	38.3763N	109.0390W	2316	
Paragould	PGA	Arkansas,U.S.A.	36.0600N	90.6200W	152	From 1974-12-28 to 1992-02-29
Paraibuna	PARB	Sao Paulo,Brazil	23.3382S	45.6217W	767	From 1993-12-01
Paraiso	PRS	California,U.S.A.	36.3317N	121.3700W	363	From 1961-01-01
P'arak'ar	PAAR	Armenia	40.1500N	44.3800E	890	From 1993-08-01
Paralimni	PARAL	Cyprus	34.9940N	34.0400E	136	From 2013-07-01
Paralimni	PHNC	Cyprus	35.0040N	34.0320E	175	From 1998-11-16
Paramo de la Osa	OSV	Venezuela	8.6410N	71.4870W	1780	
Paramo Marino	PDMV	Venezuela	8.3190N	71.8280W	2416	
Paran	PRNI	Israel	30.3519N	35.0046E	411	
Paranan	PRNN	Tocantins,Brazil	12.7200S	47.6800W	382	From 2012-06-07
Paranan- TO	RET5	Tocantins,Brazil	12.7200S	47.6800W	382	From 2012-06-07
Paranatinga-MT	PRNT	Mato Grosso,Brazil	14.5400S	54.0147W	650	From 2010-07-14 to 2012-03-07
Paran Flat	KRMI	Israel	30.1174N	34.7250E	468	From 2006-12-07
Parapanda	PARA	Spain	37.3052N	3.9065W	1328	
Paraskevi	PRK	Greece	39.2461N	26.2717E	100	
Parauapebas	PRPB	Para,Brazil	6.1724S	49.8150W	265	From 2013-10-02
Parau_RN	NBPA	Rio Grande do Norte,Brazil	5.7503S	37.1121W	92	From 2011-12-16
Paravola	PVO	Greece	38.6167N	21.5259E	185	From 2009-09-02
Parchiule	PARC	Italy	43.6486N	12.2386E	580	From 2008-04-01
Parcperdue Array	LSU4	Louisiana,U.S.A.	30.0350N	92.0463W	-22	
Parcperdue Array	LSU3	Louisiana,U.S.A.	30.0492N	92.0071W	-24	
Parcperdue Array	LSU2	Louisiana,U.S.A.	30.0785N	92.0315W	-24	
Parcperdue Array	LSU5	Louisiana,U.S.A.	30.0673N	92.0542W	-24	
Parcperdue Array	LSU1	Louisiana,U.S.A.	30.0733N	91.9821W	-23	
Parewanui	WSSZ	North Island,New Zealand	40.2403S	175.2275E	15	From 1982-10-15 to 1982-10-24
Parga	RGA	Greece	39.3212N	20.3544E	608	From 2007-11-06
Pariaguan	PARV	Venezuela	8.9650N	64.7960W	205	From 2002-04-04
PARIAGUAN	PRGV	Venezuela	8.7601N	64.6456W	175	From 2006-06-14
Pari Array Site 0	PAK0	Pakistan	33.6500N	73.2520E	0	
Paris	R50A	Kentucky,U.S.A.	38.2816N	84.3274W	255	From 2012-06-17
Paris	J52A	Ontario,Canada	43.2407N	80.4764W	273	From 2012-12-01
Paris	PAR	Ile-de-France,France	48.8094N	2.4936E	47	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Paris	P40A	Missouri,U.S.A.	39.5299N	92.0483W	225	From 2010-12-07 to 2012-09-12
Paritu Road	PRGZ	North Island,New Zealand	38.9226S	177.8833E	503	From 2006-07-23
Parker Dam,Lake Havasu City	PDMCI	Arizona,U.S.A.	34.3034N	114.1415W	144	From 2001-09-20
Parker Ranch, Bruneau	K11A	Idaho,U.S.A.	42.7713N	116.0323W	914	From 2007-02-06 to 2008-07-23
Parkersburg	K38A	Iowa,U.S.A.	42.6472N	92.7709W	306	From 2010-10-09 to 2012-10-23
Parkers Pond	PKN	Newfoundland,Canada	47.5858N	52.7833W	210	
Park Falls	F40A	Wisconsin,U.S.A.	45.9190N	90.1217W	486	From 2011-09-01 to 2013-07-11
Parkfield	PKD1	California,U.S.A.	35.8894N	120.4261W	431	
Parkfield Array	PPFM	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Parkfield Array	PKF	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Park Hill	HPHM	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Hill	PKH	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Rapids	D34A	Minnesota,U.S.A.	47.0851N	95.1952W	476	From 2010-08-25 to 2012-06-22
Parks Canada Compound	HGPB	British Columbia,Canada	53.2536N	132.1180W	34	From 2012-11-03
Parkston	J32A	South Dakota,U.S.A.	43.3719N	97.8476W	399	From 2010-07-24 to 2012-05-21
Parma	PARMO	Missouri,U.S.A.	36.6635N	89.7522W	85	
PARMA	PRMA	Italy	44.7637N	10.3131E	78	From 2008-06-04
Parndana	PARN	South Australia,Australia	35.8059S	137.2389E	140	
Parnis Oros	MPAR	Greece	38.1513N	23.7357E	1160	
Parod	PARD	Israel	32.5573N	35.2609E	399	
Parque de las Ciencias	APCG	Spain	37.1900N	3.5900W	0	
Parque Tenorio	PTEN	Costa Rica	10.7148N	84.9870W	712	From 2000-01-01
Pars	IPAR	Iran	29.8419N	53.0485E	2603	From 2002-10-01
Parsons	PB-	Tennessee,U.S.A.	35.7361N	88.1361W	122	From 1962-07-06 to 1962-07-11
Parsons	PB-TN	Tennessee,U.S.A.	35.7361N	88.1361W	122	
Parsons Mountain	PRM	South Carolina,U.S.A.	34.0830N	82.3630W	254	From 1975-07-04
Partacoona	PNA	South Australia,Australia	32.0061S	138.1650E	180	From 1969-09-01 to 2001-09-26
Partapura	PTPR	Jammu and Kashmir,India	37.6100N	77.4600E	3430	From 2012-01-01
Partlow Road	PTRD	Virginia,U.S.A.	38.1196N	77.6227W	75	
Paruwai Farm	PAWZ	North Island,New Zealand	41.3815S	175.4269E	567	From 2004-07-14
Parvadeh(Tabas)	TPRV	Iran	33.0281N	56.6858E	1022	From 2011-08-01
Parys	PRYS	Orange Free State,South Africa	26.9253S	27.3598E	1403	From 2004-03-01
Parys	PRY	Orange Free State,South Africa	26.9283S	27.4733E	1455	
Pasadena	PAS	California,U.S.A.	34.1484N	118.1711W	257	From 1927-03-17 to 2007-10-26
Pasadena Art Cn	PASC	California,U.S.A.	34.1714N	118.1852W	341	
Pas de la Coche	PCHF	Rhone-Alpes,France	45.2182N	6.0304E	2010	From 1980-08-01
Pas du Roy	PRGF	Guadeloupe,France	16.0362N	61.6622W	1070	
Pasian Peak	PPH	Mindanao,Philippines	7.8492N	126.1872E		From 1980-01-18
PASIGHAT	PASG	Arunachal Pradesh,India	27.6449N	91.8666E	297	From 2011-01-15
Pasiripis	PASI	Jawa,Indonesia	6.6894S	105.5890E	220	From 1991-10-01
Paso Flores	PLCA	Rio Negro,Argentina	40.7328S	70.5508W	956	
Paso Robles	PPRM	California,U.S.A.	35.6477N	120.7010W	279	
PASSCAL Warehouse	TVZX	New Mexico,U.S.A.	34.0733N	106.9196W	0	From 2013-11-05
Passleys Farm, La Prairie	O41A	Illinois,U.S.A.	40.1156N	90.8820W	203	From 2011-06-10 to 2013-05-07
Passo dei Salati	SATI	Italy	45.8753N	7.8685E	3005	From 2009-12-07
Passo delle Capannelle	RM26	Italy	42.4569N	13.3563E	1404	From 2009-06-19 to 2010-03-03
Pasto	PSO	Colombia	1.1919N	77.3253W	3010	
Pasto	CPAS1	Colombia	1.1890N	77.3220W	3227	
Pasto	CPAS2	Colombia	1.2210N	77.2510W	2641	
Pastocalle	PAST	Colombia	0.6942S	78.6418W	3461	From 2009-06-17
Pasture Canyon	PST	Utah,U.S.A.	39.5767N	110.3520W	2118	From 1962-01-01 to 1977-03-31
Pasuquin	PIP	Luzon,Philippines	18.3250N	120.6190E	150	From 1976-01-26
Patacocha	PATA	Ecuador	1.5033S	78.4335W	3725	
Patacocha	PAT1	Ecuador	1.5067S	78.4380W	3751	From 2008-08-20
Patallajta	BS02	Bolivia	19.1148S	65.0697W	2650	From 2011-09-23
Pataskala	O51A	Ohio,U.S.A.	40.1470N	82.6056W	380	From 2012-08-24
Patelzick Creek	PZCI	Idaho,U.S.A.	44.3410N	112.3170W	2073	From 1991-12-08
Paterson	PATW	Washington,U.S.A.	45.8819N	119.7535W	262	
Paterson	PNJ	New Jersey,U.S.A.	40.9071N	74.1548W	31	From 1972-03-01 to 1996-09-30
Paterson 2	PAT2	Washington,U.S.A.	45.8836N	119.7578W	259	
Patience	SLPA	St Lucia	13.8537N	60.9190W	183	
Patillas Dam, Puerto Rico	PDPR	Puerto Rico	18.0181N	66.0222W	38	From 2012-03-15
Patnagarh Odisha,India	PATN	Orissa	20.7121N	83.1368E	244	From 2015-07-17
Patocco-Chiusaforte	PTCC	Italy	46.4053N	13.3533E	770	
Patos De Minas	PMNB	Minas Gerais,Brazil	18.5373S	46.4380W	949	
Patos, Paraiba, Brazil	PATB	Paraiba	7.0800S	37.2722W	268	From 2011-07-28 to 2013-02-23
Patquia	RTPR	La Rioja,Argentina	30.3022S	66.5114W		
Patras	PAT	Greece	38.2364N	21.7467E	40	
Patras	PAT4	Greece	38.2342N	21.7477E	28	From 2011-10-01
Pattan	PPS1	Pakistan	35.1010N	72.9950E	747	From 2012-01-01
Pattaya	PATY	Thailand	12.9232N	100.8657E	39	
Patterson Ranch, Waldron	T33A	Kansas,U.S.A.	37.0824N	98.2444W	394	From 2009-10-15 to 2011-08-27
Patty Peak	PTPK	Alaska,U.S.A.	61.1874N	142.4650W	1933	
Pauahi	PUH	Hawaii,U.S.A.	19.3740N	155.2160W	994	From 1974-03-01
Paudash Township	D48A	Ontario,Canada	47.1743N	81.8072W	434	From 2012-10-27
Pau dos Ferros	PFBR	Rio Grande do Norte,Brazil	6.1216S	38.2708W	220	From 2007-01-01
Paularo	PLRO	Italy	46.5497N	13.1481E	1420	From 1988-01-01
Paulatuk	C36M	NorthWest Territories,Canada	69.3475N	124.0703W	10	From 2013-08-21
Pauline	PAULI	North Carolina,U.S.A.	34.8210N	81.8144W	178	
Paul Sauer Dam	PSR	Cape Province,South Africa	33.6800S	24.4100E	360	From 1988-01-01 to 2009-06-05
Paul Wright Trailer	PWTG	California,U.S.A.	38.2773N	119.2520W	1996	From 1979-11-15
Pauzhetka	PAU	Kamchatskaya Oblast',Russia	51.4669N	156.8111E	110	
Pavia	PAV	Italy	45.1833N	9.1736E	77	
Pavia	EUCT	Italy	45.2026N	9.1349E	82	From 2006-06-26
Pavliani	VPA	Greece	38.7815N	22.3400E	1084	From 1982-10-01
Pavlikeni	PVL	Bulgaria	43.2167N	25.3333E	97	From 1965-01-01
Pavlof North-6	PN6	Alaska,U.S.A.	55.4528N	161.9205W	808	From 1996-07-01
Pavlof North-7A	PN7A	Alaska,U.S.A.	55.4326N	161.9982W	823	From 1996-07-01
Pavlof South-1A	PS1A	Alaska,U.S.A.	55.4212N	161.7422W	293	From 1996-07-01
Pavlof South-4	PS4	Alaska,U.S.A.	55.3540N	161.8682W	520	
Pavlof South-4A	PS4A	Alaska,U.S.A.	55.3460N	161.8561W	322	From 1996-07-01
Pavlof Volcano	PVV	Alaska,U.S.A.	55.3742N	161.7900W	164	
Pavook Mountain	PVK	Alaska,U.S.A.	63.4390N	171.5522W	411	From 1980-07-01 to 1989-01-01
Pawanui	PXZ	North Island,New Zealand	40.0306S	176.8622E	103	From 2005-08-21
Pawanui	PWZ	New Zealand	40.0297S	176.8620E	66	From 2001-01-30 to 2005-08-16
Pawnee	U35A	Oklahoma,U.S.A.	36.3709N	96.7318W	303	From 2010-06-18 to 2012-02-12
Paxson	PAX	Alaska,U.S.A.	62.9708N	145.4690W	1130	From 1969-07-01
Payao	PAYA	Thailand	19.3603N	99.8692E	408	
Payeh	IPAY	Iran	36.4500N	58.9960E	2100	From 2004-06-01
Payette	I10A	Idaho,U.S.A.	44.0860N	116.8029W	782	From 2006-10-26 to 2008-07-19
Paynes Creek	O03D	California,U.S.A.	40.2947N	121.8018W	968	
Paynes Creek	O03E	California,U.S.A.	40.2946N	121.8021W	967	From 2012-10-08
Payson	PY-	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Payson	PY-AZ	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Pazar-Rize	PZAR	Turkey	41.1780N	40.8988E	80	From 2007-03-01
Peach Tree Valley	PTV	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peach Tree Valley	PPTM	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peaks-Kenny Pk	PKME	Maine,U.S.A.	45.2644N	69.2917W	108	From 2006-07-06
Pea Ridge	PEA	Alabama,U.S.A.	33.2553N	87.4943W	107	
Pea Ridge, Belzoni	Z44A	Mississippi,U.S.A.	33.2773N	90.4322W	39	From 2011-04-18 to 2013-02-04
Pea Ridge Mine	MMM	Missouri,U.S.A.	38.1300N	91.0400W	-244	
Pearl BPA Site DOGAMI SMO	PERL	Oregon,U.S.A.	45.2382N	122.7790W	68	From 2002-03-19
Pearl Lake	PLID	Idaho,U.S.A.	45.0877N	116.0003W	2194	
Pearson	355A	Georgia,U.S.A.	31.3438N	82.8518W	69	From 2012-03-14
Peavine Mountain	PEAR	Nevada,U.S.A.	39.6075N	119.9613W	2142	
Pechorkino, Salair, Kemerovskaya Oblast', Russia	SALR	Altayskiy Kray,Russia	54.4169N	85.7029E	250	From 2005-03-02
Pechory	PECR	Nizhegorodskaya Oblast',Russia	56.3167N	44.0833E		
Peckham Road	AN8*	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	HPRM	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	PKC	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Pedasi@15	AZU2	Panama	7.5340N	80.0260W	66	
Pedernales	PEDR	Haiti	18.0362N	71.7461W	0	
Pedernales	LOPE1	Dominican Republic	18.0314N	71.7454W	8	From 2012-12-16
Pedernales	PDNS	Ecuador	0.1114N	79.9910W	139	From 2009-04-24
Pedra_Branca-CE	NBPB	Ceara,Brazil	5.5432S	39.5837W	263	From 2011-05-29
Pedra do Cavalo	PDCR	Bahia,Brazil	12.5313S	39.1225W	220	From 1987-01-01
Pedras Altas	PLTB	Rio Grande do Sul,Brazil	31.7632S	53.6039W	397	
Pedro Bay	PDB	Alaska,U.S.A.	59.7878N	154.1920W	305	From 1979-02-22
Pedro Cerda	PED	South Shetland Islands	62.9394S	60.5850W	10	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pedro de Valdivia	PECH	Antofagasta,Chile	22.5975S	69.6742W	0	
Pedro Dome	PJD	Alaska,U.S.A.	65.0350N	147.5080W	740	From 1967-01-01 to 1971-11-30
Pedrog??o	PDRG	Portugal	38.1000N	7.6400W	107	From 2007-06-28
Pedro II - PI	NBPS	Piaua,Brazil	4.3940S	41.4457W	713	From 2011-05-17
Pedro Velho	NBPV	Rio Grande do Norte,Brazil	6.4177S	35.2906W	91	From 2011-04-05
Peebles	Q51A	Ohio,U.S.A.	39.0260N	83.3456W	362	From 2012-06-26
Peechi	PCHI	Kerala,India	10.5310N	76.3460E	105	From 1999-09-01
Peel High School	AUPHS	New South Wales,Australia	31.1000S	150.8900E	404	From 2013-05-24
Peglio	PE3	Italy	43.6960N	12.4963E	530	From 2010-07-07
Peine	PEI	Antofagasta,Chile	24.6833S	68.0667W	5000	
Peixe	PEXB	Tocantins,Brazil	12.1056S	48.3006W	350	
Peje	PEJK	Kosovo	42.6425N	20.2784E	822	From 2008-07-06
Pelados	CHP1	Peru	4.6719S	80.4911W	150	From 1979-12-01
Peldehue	PEL	Santiago,Chile	33.1436S	70.6853W	690	
Peleduy	PDY	Sakha,Russia	59.6333N	112.7003E	300	
Peleduy Array Beam Reference Point	PDYAR	Sakha,Russia	59.6553N	112.4408E	489	
Peleduy Array Site 01	PDY01	Sakha,Russia	59.6553N	112.4408E	447	From 1999-03-21
Peleduy Array Site 02	PDY02	Sakha,Russia	59.6583N	112.4478E	452	From 1999-03-21
Peleduy Array Site 03	PDY03	Sakha,Russia	59.6522N	112.4436E	467	From 1999-03-21
Peleduy Array Site 04	PDY04	Sakha,Russia	59.6583N	112.4331E	453	From 1999-03-21
Peleduy Array Site 05	PDY05	Sakha,Russia	59.6744N	112.4408E	452	From 1999-03-21
Peleduy Array Site 06	PDY06	Sakha,Russia	59.6578N	112.4756E	430	From 1999-03-21
Peleduy Array Site 07	PDY07	Sakha,Russia	59.6422N	112.4592E	425	From 1999-03-21
Peleduy Array Site 08	PDY08	Sakha,Russia	59.6408N	112.4200E	443	From 1999-03-21
Peleduy Array Site 09	PDY09	Sakha,Russia	59.6608N	112.4064E	446	From 1999-03-21
Peleduy Array Site 31	PDY31	Sakha,Russia	59.6175N	112.6361E	280	
Pelee Case Petit	PCM	Martinique,France	14.8155N	61.2105W	335	
Pelee Island, Stone Alvar Conservation Area	PLIO	Ontario,Canada	41.7505N	82.6284W	143	From 2009-06-03
Pelican Cone	YPPC	Wyoming,U.S.A.	44.6480N	110.1925W	2932	
Pelion	Y56A	South Carolina,U.S.A.	33.7922N	81.3047W	154	From 2013-02-21
Pellescritta (Montereale)	RM33	Italy	42.5090N	13.2145E	1097	From 2010-09-03
Pemberton	PMB	British Columbia,Canada	50.5188N	123.0760W	400	From 1993-06-05 to 2004-11-10
Pembroke	PEMO	Ontario,Canada	45.6773N	77.2466W	180	From 2009-04-27
Pembroke	HPE	Wales,United Kingdom	51.9371N	4.7745W	355	From 1990-01-01
Pemiscott Bayou	PEBM	Missouri,U.S.A.	36.1131N	89.8623W	76	
Pen@16o@15n de Ve@15lez	PVLZ	Spain	35.1730N	4.3010W	0	
Penalolen	FSR	Santiago,Chile	33.4785S	70.5275W	781	
Peˆ–a Musera	YMUS	Spain	42.5838N	1.0202W	594	From 2010-05-01
Penas	PNS	Bolivia	16.2672S	68.4733W	3986	From 1963-01-01 to 1975-12-31
Penc	PENC	Hungary	47.7905N	19.2817E	250	
Pendagan	PENI	Sumatera,Indonesia	5.5667S	105.1710E	200	From 1991-10-01
Pen de Alhucemas	ALHU	Morocco	35.2133N	3.8900W	60	From 2008-01-16 to 2009-07-08
Pender Island	PIB	British Columbia,Canada	48.8167N	123.3170W	40	From 1975-11-01 to 1981-04-27
Pendleton	U60A	North Carolina,U.S.A.	36.4718N	77.1596W	8	From 2013-04-23
Pendleton	F08A	Oregon,U.S.A.	45.7971N	118.7768W	487	From 2006-07-30 to 2008-06-05
Pendleton	PNO	Oregon,U.S.A.	45.6120N	118.7630W	402	From 1975-06-01
Pendleton	PT-	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	PT-OR	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pengchaiyu	PCYT	Taiwan region	25.6294N	122.0713E	101	
Penghu	PNG	Taiwan region	23.5672N	119.5550E	11	
P'eng-hu	PHUB	Taiwan region	23.5133N	119.5720E	15	
Peninsula	PNL	Alaska,U.S.A.	59.6687N	139.3970W	579	From 1974-09-02
Penmaenmawr	WPM1	Wales,United Kingdom	53.2581N	3.9048W	353	From 1985-01-01
Penman	PENMO	Missouri,U.S.A.	36.4502N	89.6280W	85	
Pennisi	EPIS	Sicily,Italy	37.6508N	15.1237E	385	From 1994-10-01
Penn State University	WRPS	Pennsylvania,U.S.A.	40.7941N	77.8653W	320	
Penn State University - DuBois	PSDB	Pennsylvania,U.S.A.	41.1273N	78.7531W	437	
Penn State Wilkes-Barre	PSWB	Pennsylvania,U.S.A.	41.3055N	76.0152W	398	
Penn St. - Brandywine Campus	PSUB	Pennsylvania,U.S.A.	39.9274N	75.4514W	110	
Pennsylvania Geol. Surv.	PAGS	Pennsylvania,U.S.A.	40.2278N	76.7221W	120	
Penon de los Banos, D. F.	PBIG	Mexico	19.4412N	99.0843W	0	
Penonome	PNME	Panama	8.4860N	80.3269W	79	From 2010-05-10
Penrod	PNR	Nevada,U.S.A.	38.8213N	118.7940W		
Pensacola	PEN	Florida,U.S.A.	30.4667N	87.1833W		
Pensacola State College	PJC	North America,U.S.A.	30.4806N	87.2011W		
Pentalofos	PENT	Greece	40.1958N	21.1384E	1090	From 2010-10-21
Penteli	PTL	Greece	38.0489N	23.8647E	500	
Penticton	PNT	British Columbia,Canada	49.3167N	119.6170W	550	From 1960-01-01
Pentidattilo	ME09	Italy	37.9524N	15.7564E	244	From 2008-06-28 to 2010-01-31
Penuelas	PNP	Puerto Rico	18.0583N	66.6836W	200	From 1975-07-30
Penzance	CPZ	England,United Kingdom	50.1560N	5.5835W	198	From 1981-01-01
Pequot Lakes	E35A	Minnesota,U.S.A.	46.5572N	94.4043W	409	From 2010-08-25 to 2012-07-29
Pera	PFPE	Portugal	37.1340N	8.3178W	33	From 1996-01-01 to 2009-05-30
Peraleda del Zaucejo, Badajoz	E030	Spain	38.4684N	5.6264W	627	From 2007-09-16 to 2009-06-17
Peralta Trail, Apache Junction	Z16A	Arizona,U.S.A.	33.3410N	111.4273W	537	From 2007-03-15 to 2008-12-03
Peran	IPRN	Iran	36.2419N	52.3381E	1333	From 2000-08-01
Perchaven, Sanger	Z35A	Texas,U.S.A.	33.3308N	97.2530W	235	From 2009-11-11 to 2011-09-10
Perdido Creek Ranch, Del Rio	631A	Texas,U.S.A.	29.4123N	100.5759W	344	From 2009-02-19 to 2011-01-21
Perigny	PRYF	Poitou-Charentes,France	46.1635N	1.0507W	30	
Peristeri Attica	PER1	Greece	38.0119N	23.7027E	62	From 2012-09-01
Perm'	PR5R	Permskiy Kray,Russia	58.1047N	56.1265E	110	From 2004-03-16 to 2006-02-06
Permogore	PRGR	Arkangel'skaya Oblast',Russia	61.6362N	45.6272E	84	
Pernaja	PVF	Finland	60.5451N	25.8616E	45	From 1991-06-11
Pernice	PERS	Slovenia	46.6359N	15.1167E	795	
Perris	PRR	California,U.S.A.	33.7800N	117.2330W	440	
Perris	PEC	California,U.S.A.	33.8919N	117.1610W	616	From 1970-01-01
Perry	554A	Florida,U.S.A.	30.0841N	83.6836W	12	From 2012-02-13
Perry	K48A	Michigan,U.S.A.	42.8032N	84.1197W	273	From 2012-09-15
Perry	K55A	New York,U.S.A.	42.7278N	78.0696W	482	From 2012-12-13
Perry Basin	PBU	Utah,U.S.A.	41.4682N	112.0100W	1625	From 1975-09-01 to 1981-11-30
Perryville	PV-AR	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PRYA	Alaska,U.S.A.	55.9088N	160.1700W	20	From 1993-06-01
Perryville	PV-	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Persembe	PERT	Turkey	41.0792N	37.7358E	480	From 1994-06-01 to 1999-09-23
Persembe-Ordu	PRSB	Turkey	41.1044N	37.7752E	274	From 2012-03-22
Pertek	PTK	Turkey	38.8920N	39.3920E	1835	From 2004-08-30
Perth	PER	Western Australia,Australia	31.9527S	115.8390E	55	
Perugia	PRG	Italy	43.1014N	12.3969E	495	
Perugia	PEG	Italy	43.1014N	12.3969E	495	
Perugia	UPRP	Italy	43.0898N	11.0500E	319	From 2002-08-30
Pesaro	PESA	Italy	43.9410N	12.8402E	221	From 2002-12-02
Pesaro	PRO	Italy	43.9167N	12.9167E		From 1976-06-01
Pesaro	PS1	Italy	43.9167N	12.9167E		From 1976-06-01
Pescadero	PSD	California,U.S.A.	37.1990N	122.3480W	84	From 1970-11-25
Pescasseroli (AQ)	T0204	Italy	41.8666N	13.7809E	1371	From 2009-10-08 to 2010-01-22
Pesch	BD10	Nordrhein-Westfalen,Germany	51.0548N	6.4572E	80	From 2001-01-01 to 2006-11-30
Pescosannita	PSB1	Italy	41.2234N	14.8108E	551	
Pescosannita	IPES	Italy	41.2333N	14.8333E	395	From 1999-01-01
Peshawar	PES	Pakistan	34.0050N	71.5483E		
Peshawar	PSH	Pakistan	33.9371N	71.4341E	456	From 1976-01-01
Peshkopia	PHP	Albania	41.6847N	20.4408E	728	
Pessada-Kefalonia	PSDA	Greece	38.1140N	20.5841E	48	From 2014-10-10
Petalidi	PET1	Greece	36.9639N	21.9255E	9	From 2011-10-01
Petauke	PTZ	Zambia	14.2490S	31.3390E	1027	
Peterborough	PBR1	South Australia,Australia	32.9787S	138.8357E	555	From 2011-06-29
Peter Faust Dam	PETE	Queensland,Australia	20.4388S	148.4234E	140	
Peter Gray Mountain	PGY	New York,U.S.A.	43.7077N	74.0452W		From 1986-11-01
Petersbachel	PEB	Rheinland-Pfalz,Germany	49.0667N	7.7167E	325	
Petersburg	PBG	Alaska,U.S.A.	56.8010N	132.9277W	37	From 1995-04-19
Petersburg	PBG1	Alaska,U.S.A.	56.7940N	132.9142W	75	
Petersburg	PBV	Virginia,U.S.A.	36.9823N	77.5312W	49	From 1978-10-10 to 2004-09-30
Petersburg	PSA	Alaska,U.S.A.	56.8083N	132.9533W	17	From 1975-01-01
Petersburg Public Schools	PPSA	Alaska,U.S.A.	56.8130N	132.9550W	25	
Peters Creek, San Mateo County	JPC	California,U.S.A.	37.2708N	122.2127W	257	From 2001-03-07
Peters Farms, Glenburn	B27A	North Dakota,U.S.A.	48.4044N	101.2600W	492	From 2009-08-05 to 2011-06-11
Peterson	PTR	Alabama,U.S.A.	33.2172N	87.4333W	122	From 1971-01-09
Peters Valley	PVN	New Jersey,U.S.A.	41.1957N	74.8697W	175	From 1973-02-01 to 1974-07-31
Petit Bourg	GPTB	Guadeloupe,France	16.1961N	61.5947W	30	From 2005-02-01
Petit Monier	SLW	St Lucia	14.0203N	60.9384W	366	From 1978-06-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Petit Puy Manson	PYM	Auvergne,France	45.7505N	3.0078E	970	From 1980-06-01
Petnica	PTNS	Serbia	44.2467N	19.9357E	0	
Petorca	PTCH	Valparaiso,Chile	32.2635S	70.9300W	500	
Petoskey	G46A	Michigan,U.S.A.	45.3176N	84.8621W	239	From 2012-11-11
PETRACHIOAIA	PCHR	Romania	44.5852N	26.3090E	76	From 2008-11-14
Petralia Soprana	PETRA	Sicily,Italy	37.8335N	14.1148E	1547	From 2012-07-26
Petresti	PETR	Romania	45.7230N	27.2310E	86	
Petrified Forest	W18A	Arizona,U.S.A.	35.1181N	109.7357W	1750	From 2007-05-01
Petrohue	LL03	Los Lagos	41.1384S	72.4034W	227	From 2015-02-12
Petropavlovsk	PET	Kamchatskaya Oblast',Russia	53.0239N	158.6531E	68	
Petropavlovsk-Kamchatskiy Array Site A0	PEA0	Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array Site A1	PEA1	Russia	53.1132N	157.6984E	391	
Petropavlovsk-Kamchatskiy Array Site A2	PEA2	Russia	53.1078N	157.7051E	381	
Petropavlovsk-Kamchatskiy Array Site A3	PEA3	Russia	53.1071N	157.6897E	415	
Petropavlovsk-Kamchatskiy Array site AOB	PEA0B	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	380	
Petropavlovsk-Kamchatskiy Array Site B1	PEB1	Russia	53.1260N	157.6904E	369	
Petropavlovsk-Kamchatskiy Array Site B2	PEB2	Russia	53.1179N	157.7219E	367	
Petropavlovsk-Kamchatskiy Array Site B3	PEB3	Russia	53.1006N	157.7239E	406	
Petropavlovsk-Kamchatskiy Array Site B4	PEB4	Russia	53.0920N	157.6961E	432	
Petropavlovsk-Kamchatskiy Array Site B5	PEB5	Russia	53.1197N	157.6750E	430	
Petropavlovsk-Kamchatskiy Array site P	PETK	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array site S2	PES2	Kamchatskaya Oblast',Russia	53.1096N	157.7226E	416	
PETROPAVLOVSK-KAMCHATSKY INFRASONIC ARRAY REFERENCE POINT	PETK	Kamchatskaya Oblast',Russia	53.1058N	157.7139E	380	From 2006-10-30
Petropavlovskoye	PETS	Sakhalinskaya Oblast',Russia	46.7900N	142.5000E	35	
Petroterminal	PTP1	Panama	8.2047N	82.4282W	10	
Petrulli	EPET	Sicily,Italy	37.7037N	15.1202E	630	From 1994-10-01
Pettibone, Tappen	D29A	North Dakota,U.S.A.	47.0605N	99.5957W	551	From 2009-08-05 to 2011-06-28
Pettigrew	V39A	Arkansas,U.S.A.	35.8389N	93.6450W	744	From 2011-01-29 to 2012-10-30
Peulik 1	PLK1	Alaska,U.S.A.	57.8019N	156.6072W	78	
Peulik 2	PLK2	Alaska,U.S.A.	57.7642N	156.3243W	401	
Peulik 3	PLK3	Alaska,U.S.A.	57.6887N	156.2674W	494	
Peulik 4	PLK4	Alaska,U.S.A.	57.6321N	156.3577W	1031	
Peulik 5	PLK5	Alaska,U.S.A.	57.9977N	156.8777W	49	
Peulik Blue Creek	PLBL	Alaska,U.S.A.	57.6998N	156.8189W	461	
Peulik Whale Mountain	PLWL	Alaska,U.S.A.	58.0449N	156.3413W	0	
Peumo	U69B	O'Higgins,Chile	34.3707S	71.1762W	163	
Pezza	BBB4	Italy	43.4239N	12.6864E	898	From 2011-02-09
Pezze di Greco (BR)	PE1	Italy	40.8050N	17.4230E	80	From 1983-07-01
Pfaffnau Reservoir	PFAFF	Switzerland	47.2303N	7.9094E	587	From 2012-08-01
Pfieffer Point	BPFM	California,U.S.A.	36.2300N	121.7720W	349	From 1973-12-18
Phalaborwa	PHW	South Africa	23.9505S	31.1388E	440	
Phantom Ranch, North Zulch	437A	Texas,U.S.A.	30.8292N	96.1386W	95	From 2010-02-18 to 2011-12-09
Phaplu	PHAP	Nepal	27.5150N	86.5842E	2488	From 2001-10-14 to 2002-10-27
Phare de Pertusato	BONIF	Corse,France	41.3746N	9.1947E	100	From 2011-10-18
Phelps	PHEL	New York,U.S.A.	42.9542N	77.0950W	188	
Phidim	PHID	Nepal	27.1502N	87.7645E	1176	From 2001-10-22 to 2002-10-31
Philadelphia	PHI	Pennsylvania,U.S.A.	39.9589N	75.1750W	5	From 1934-07-01 to 1971-08-28
Philippi	PX-WV	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philippi	PX-	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philisteinsche Polder	PPB	Netherlands	52.6533N	4.6701E	0	
Philisteinsche Polder (Bergen)	PPB3	Netherlands	52.6526N	4.6700E	-164	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB1	Netherlands	52.6526N	4.6700E	-14	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB2	Netherlands	52.6526N	4.6700E	-89	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB4	Netherlands	52.6526N	4.6700E	-239	From 2010-11-16
Phinny Hill Vineyards, Prosser	F07A	Washington,U.S.A.	45.8951N	119.9278W	227	From 2006-08-27 to 2008-12-03
Phitsanulok	PHIT	Thailand	17.1893N	100.4165E	113	
Phoenix Point, Boone	L37A	Iowa,U.S.A.	42.1246N	93.7546W	312	From 2010-11-08 to 2012-08-28
Phrae	PHRA	Thailand	18.4989N	100.2293E	186	
Phuket	PKT	Thailand	8.0800N	98.1900E		From 1994-07-01
Phuket	PKDT	Thailand	7.8920N	98.3350E	53	
Phulchoki	PKIN	Nepal	27.5770N	85.3965E	2300	From 2007-04-17
Phu-Lien	PLV	Vietnam	20.8060N	106.6290E	90	From 1924-01-01
Piacenza	PCN	Italy	45.0500N	9.6667E		
Piamonte	PMON	El Salvador	13.7122N	89.3144W	980	From 2013-03-04
Piancastagn	PCP	Italy	44.5413N	8.5452E	770	From 1989-03-15
Piano d'Api	EPAP	Sicily,Italy	37.6363N	15.1415E	295	From 1994-10-01
Piano di Cascina (Cagnano Amiterno)	RM09	Italy	42.4355N	13.1865E	1127	From 2009-04-07 to 2010-03-04
Piano Vulcano	PV6*	Sicily,Italy	38.3767N	14.9822E		From 1966-04-01 to 1966-05-01
Piatra Neamt	PTT	Romania	46.9347N	26.3861E	350	From 1987-01-15
Picacho	PICS	El Salvador	13.7394N	89.2550W	1960	From 1991-12-01
Picacho Peak	PIC	California,U.S.A.	32.9142N	114.6430W	263	
Picada	PICA	Costa Rica	10.0255N	83.7858W	2565	
Picayune	PC-	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Picayune	PC-MS	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Piccione	A001	Italy	43.1671N	12.5206E	317	From 2011-02-09
PICH	PICHH	Bolivia	19.8107S	63.7239W	1676	From 1994-05-30 to 1995-08-08
Pichilemu	PICH	O'Higgins,Chile	34.3858S	72.0019W	30	
Pichilemu	CHPI	O'Higgins,Chile	34.3904S	72.0033W	20	From 2010-05-06
Pichilemu	BO03	O'Higgins	34.4961S	71.9612W	128	From 2014-10-29
Pichincha	GPNO	Ecuador	0.1530S	78.6222W	4040	
Pickens	PKO	Oklahoma,U.S.A.	34.3973N	95.0311W	264	From 1987-10-16
Pickering	PKRO	Ontario,Canada	43.9643N	79.0714W	197	From 2009-04-16
Pickett Peak	KPPM	California,U.S.A.	40.3460N	123.3620W	1762	
Pickford	PF-MI	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickford	PF-	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickle Lake	PKLO	Ontario,Canada	51.4987N	90.3522W	376	
Pickwick Lake	PLAL	Alabama,U.S.A.	34.9824N	88.0755W	165	
Pickwick Lake	PWLA	Alabama,U.S.A.	34.9800N	88.0640W	204	From 1980-05-14
Pico	PICO	Azores,Portugal	38.5008N	28.4256W	775	From 1989-05-26
Pico Bartolomeu	BART	Azores,Portugal	37.7772N	25.1689W	887	
Pico da Cruz	PCRZ	Azores,Portugal	37.8448N	25.7585W	845	
Pico das Favas	PFAV	Azores,Portugal	38.7113N	27.0844W	153	From 2004-08-01
Pico do Norte, Sta. Barbara	PSMN	Azores,Portugal	37.0031N	25.0654W	276	From 2003-02-12
Pico dos Bois	PBOI	Azores,Portugal	38.4362N	28.3754W	540	From 2005-08-01
Pico dos Padres	PPAD	Azores,Portugal	38.7006N	27.2872W	305	From 2003-03-01
Pico do Teixo	PTEI	Azores,Portugal	38.4950N	28.3565W	820	From 2006-03-01
Pico El Aguila	EAV	Venezuela	8.8550N	70.8230W	4204	
Pico Espejo	PMV	Venezuela	8.5333N	71.0500W	4765	From 1979-01-01 to 2001-08-14
Pico Herrero	APHE	Spain	36.9520N	3.6880W	1360	
Pico Tres Padres	PTVM	Mexico D.F.,Mexico	19.5930N	99.1130W	2230	
Pico Vermelho	PVER	Azores,Portugal	37.7970N	25.5140W	135	From 2003-01-01
Piedade	PIED	Azores,Portugal	38.4190N	28.0538W	235	From 1993-02-02
Pie de Palo	PPA	San Juan,Argentina	31.5156S	68.2686W	550	
Piedimonte	EPMN	Sicily,Italy	37.8188N	15.1778E	470	From 1994-10-01
Piedmont	Y50A	Alabama,U.S.A.	33.8911N	85.7347W	248	From 2011-12-20
Piedmont	PDTN	Tennessee,U.S.A.	35.2733N	85.8495W	335	From 1985-09-19
Piedra Blanca	DR09	Dominican Republic	18.8113N	70.4166W	940	
Piedras Gordas	PGX	Baja California,Mexico	31.9620N	116.4420W	970	
Pieia	PIEI	Italy	43.5360N	12.5350E	665	From 2002-03-18
Pier 30 Seattle	PIER	Washington,U.S.A.	47.5835N	122.3409W	4	
Pierce County East Precinct	PCEP	Washington,U.S.A.	47.1119N	122.2901W	10	
Pierce County Firing Range	PCFR	Washington,U.S.A.	46.9898N	122.4409W	10	
Pierce County Mountain Detachment	PCMD	Washington,U.S.A.	46.8891N	122.3003W	239	
Pierce Ferry	PFA	Arizona,U.S.A.	36.1208N	114.0050W	417	From 1940-10-01 to 1952-06-30
Pierce Place, Pray	G17A	Montana,U.S.A.	45.3212N	110.7398W	1574	From 2007-10-20 to 2009-09-08
Pierce - Schroeder Farm, Trego	F38A	Wisconsin,U.S.A.	45.9588N	91.8775W	321	From 2011-08-27 to 2013-07-10
Pier house	PIRH	Turkey	40.8645N	28.9949E	15	From 2006-10-04
Pierpont	PPS	South Carolina,U.S.A.	32.8236N	80.0400W	4	From 1976-03-31
Piesco	J59A	New York,U.S.A.	43.4647N	74.5041W	541	From 2013-08-27
Pietermaritzburg	PTM	Natal,South Africa	29.6271S	30.4035E	671	
Pietermaritzburg	PIE	Natal,South Africa	29.6200S	30.3967E	656	From 1968-04-01 to 1999-08-25
Pietralacroce	PCRO	Italy	43.6077N	13.5323E	165	From 2009-01-05
Pietralunga	PIET	Italy	43.4430N	12.4386E	573	From 2013-09-01
Pietralunga	CCN3	Italy	43.4219N	12.4403E	625	From 2011-03-15
Pietralunga - Aviosuperficie	ATPI	Italy	43.4507N	12.4022E	693	From 2009-03-17
Pietrapaola	PIPA	Italy	39.4851N	16.8158E	479	From 2008-07-02
Pietrapertosa	PTRP	Italy	40.5215N	16.0612E	1077	From 2003-12-05
Pietraperzia	CPTP	Sicily,Italy	37.4075N	14.1625E	560	From 2011-11-21
Pietraquaria	PTQR	Italy	42.0219N	13.4006E	957	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pietraroja	PTRJ	Italy	41.3641N	14.5290E	1027	From 2007-01-18
Pieve de Saddi	D002	Italy	43.4208N	12.3795E	611	From 2011-03-15
Pieve di Cadore	PDC	Italy	46.4100N	12.3700E		
Pieve di Coriano (MN)	MIR06	Italy	45.0401N	11.0875E	17	From 2012-05-23
Pievefavera	PF6	Italy	43.1488N	13.1930E	425	From 2005-01-17
Pigeon Bay	PBS	South Carolina,U.S.A.	33.2790N	80.2640W	25	From 1974-05-20 to 1988-05-23
Pigeon Point	PIG	Trinidad and Tobago	11.1610N	60.8410W		
Pignataro Maggiore	PIGN	Italy	41.2003N	14.1802E	343	From 2011-02-24
Pigniu (Panix)	PANIX	Switzerland	46.8257N	9.1117E	1433	From 2011-08-05
Pignola, Italy	PGN3	Italy	40.5722N	15.7967E	882	From 2008-10-23
Pikevile	V50A	Tennessee,U.S.A.	35.6713N	85.1000W	287	From 2012-05-07
Pilaia Thessaloniki	PLA1	Greece	40.5557N	22.9888E	34	From 2011-05-01
Pilar	SET3	Azores,Portugal	37.8918N	25.7820W	300	From 1998-10-01
Pilar	PIL	Cordoba,Argentina	31.6683S	63.8833W	338	
Pilarcitos Creek	PCC	California,U.S.A.	37.5000N	122.3820W	91	From 1965-01-01
Pilbara Seismic Array Element 00	PSA00	Western Australia,Australia	21.5726S	119.8459E	244	From 2010-09-01
Pilbara Seismic Array Element A1	PSAA1	Western Australia,Australia	21.5767S	119.8363E	277	From 2010-09-01
Pilbara Seismic Array Element A2	PSAA2	Western Australia,Australia	21.5627S	119.8468E	265	From 2010-09-01
Pilbara Seismic Array Element A3	PSAA3	Western Australia,Australia	21.5781S	119.8548E	365	From 2010-09-01
Pilbara Seismic Array Element B1	PSAB1	Western Australia,Australia	21.5689S	119.8219E	282	From 2010-09-01
Pilbara Seismic Array Element B2	PSAB2	Western Australia,Australia	21.5552S	119.8612E	348	From 2010-09-01
Pilbara Seismic Array Element B3	PSAB3	Western Australia,Australia	21.5933S	119.8549E	309	From 2010-09-01
Pilbara Seismic Array Element C1	PSAC1	Western Australia,Australia	21.5333S	119.8091E	283	From 2010-09-01
Pilbara Seismic Array Element C2	PSAC2	Western Australia,Australia	21.5626S	119.9008E	324	From 2010-09-01
Pilbara Seismic Array Element C3	PSAC3	Western Australia,Australia	21.6218S	119.8278E	325	From 2010-09-01
Pilbara Seismic Array Element D1	PSAD1	Western Australia,Australia	21.4547S	119.8301E	260	From 2010-09-01
Pilbara Seismic Array Element D2	PSAD2	Western Australia,Australia	21.6175S	119.9630E	400	From 2010-09-01
Pilbara Seismic Array Element D3	PSAD3	Western Australia,Australia	21.6433S	119.7798E	312	From 2010-09-01
Pilgrim Ck.	I17A	Wyoming,U.S.A.	43.9200N	110.5759W	2134	From 2007-09-19 to 2010-06-09
Pilot Hill	PHWY	Wyoming,U.S.A.	41.3016N	105.4578W	2645	
Pilot Hill -- Preliminary Site	PHWY1	Wyoming,U.S.A.	41.2855N	105.4453W	2666	
Pilot Knob	PLT	California,U.S.A.	32.7312N	114.7290W	61	From 1973-04-16
Pilot Rock	PK-	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pilot Rock	G08A	Oregon,U.S.A.	45.2904N	118.9595W	1318	From 2006-08-10 to 2008-12-03
Pilot Rock	PK-OR	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pin@16on Flat	XPFO	California,U.S.A.	33.6107N	116.4555W	1280	
Pinalito	DR03	Dominican Republic	19.2725N	70.7688W	710	
Pinalito	DR3	Dominican Republic	19.2725N	70.7688W		
Pinar	PINR	Spain	36.4990N	6.1183W	10	
Pinarbasi	PINB	Turkey	38.6769N	36.4027E	2288	From 2006-10-19 to 2013-06-01
Pinares de Mayari	PINC	Cuba	20.4870N	75.7910W		
Pinarhisar	PHSR	Turkey	41.6307N	27.5239E	263	From 2009-07-09
Pinatubo--East Slope	PINP	Luzon,Philippines	15.2190N	120.3340E	350	
Pinawa	PWM	Manitoba,Canada	50.1919N	96.0364W	274	From 1978-10-06 to 1984-05-15
Pinckard	351A	Alabama,U.S.A.	31.2753N	85.6036W	48	From 2012-02-02
Pindari Dam	PDDM	Queensland,Australia	29.3801S	151.2429E	499	
Pindiu	PDUI	Papua New Guinea	6.4470S	147.5110E	950	From 1988-06-16
Pine Canyon	PNC	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Canyon	BPCM	California,U.S.A.	36.5650N	121.6360W	268	From 1976-02-14
Pine Canyon	BPCNC	California,U.S.A.	36.5734N	121.6269W	173	
Pine Canyon	AN1*	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Creek	PINI	Idaho,U.S.A.	43.5076N	111.3460W	1932	From 1986-01-01
Pine Creek	PN-	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Creek	PN-OR	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Crest Farm, Angora	C36A	Minnesota,U.S.A.	47.7580N	92.8378W	410	From 2010-09-16 to 2012-08-02
Pinedale	PI2WY	Wyoming,U.S.A.	42.7672N	109.5619W	2195	
Pinedale	PI3	Wyoming,U.S.A.	42.4417N	109.5790W	2164	From 1973-10-18 to 1973-12-11
Pinedale	PI-WY	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI5	Wyoming,U.S.A.	42.5671N	109.9120W	2273	From 1974-03-01 to 1976-01-31
Pinedale	PI6	Wyoming,U.S.A.	42.7262N	109.6060W	2225	From 1974-03-01 to 1976-01-31
Pinedale	PI1	Wyoming,U.S.A.	42.5953N	109.5450W	2195	From 1973-06-08 to 1973-08-13
Pinedale	PI7	Wyoming,U.S.A.	42.4397N	109.5730W	2179	From 1974-03-01 to 1976-01-31
Pinedale	PI2	Wyoming,U.S.A.	42.7750N	109.7400W	234	From 1965-03-01 to 1965-04-26
Pinedale	PI-	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI4	Wyoming,U.S.A.	42.6283N	109.8930W	2194	From 1973-12-11 to 1974-02-22
Pinedale	PIN	Wyoming,U.S.A.	42.5825N	109.7170W	2225	From 1973-03-22 to 1973-06-08
Pinedale Array Beam Ref. Point	PDAR	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 1	PD01	Wyoming,U.S.A.	42.7765N	109.5832W	2199	
Pinedale Array Site 10	PD10	Wyoming,U.S.A.	42.7595N	109.5570W	2216	
Pinedale Array Site 11	PD11	Wyoming,U.S.A.	42.7526N	109.5769W	2182	
Pinedale Array Site 12	PD12	Wyoming,U.S.A.	42.7551N	109.5631W	2186	
Pinedale Array Site 13	PD13	Wyoming,U.S.A.	42.7551N	109.5497W	2337	
Pinedale Array Site 2	PD02	Wyoming,U.S.A.	42.7782N	109.5664W	2218	
Pinedale Array Site 3	PD03	Wyoming,U.S.A.	42.7759N	109.5496W	2293	
Pinedale Array Site 31	PD31	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 32	PD32	Wyoming,U.S.A.	42.7670N	109.5582W	2213	From 2010-10-27
Pinedale Array Site 4	PD04	Wyoming,U.S.A.	42.7660N	109.5744W	2185	
Pinedale Array Site 5	PD05	Wyoming,U.S.A.	42.7704N	109.5666W	2184	
Pinedale Array Site 7	PD07	Wyoming,U.S.A.	42.7704N	109.5445W	2331	
Pinedale Array Site 8	PD08	Wyoming,U.S.A.	42.7589N	109.5836W	2190	
Pinedale Array Site 9	PD09	Wyoming,U.S.A.	42.7618N	109.5672W	2208	
Pinedale Infrasonic Array Beam Reference Point	PDIAR	Wyoming,U.S.A.	42.7663N	109.5939W	2332	
Pine Flat Road	PFR	California,U.S.A.	38.7527N	122.7445W	1020	
Pine Grove	444A	Louisiana,U.S.A.	30.7153N	90.7463W	40	From 2011-03-09 to 2012-12-08
Pine Lake Middle School	PNLK	Washington,U.S.A.	47.5806N	122.0284W	10	
Pine Mountain	GPMM	California,U.S.A.	38.8475N	122.9463W	783	From 1973-09-21
Pine Mountain	PINOR	Oregon,U.S.A.	43.8111N	120.8719W		
Pine Mountain	PEM	California,U.S.A.	34.1673N	117.8700W		From 1976-02-01
Pine Mountain	PMT	Oregon,U.S.A.	43.7909N	120.9450W	1924	From 1969-09-22 to 1984-01-17
Pine Mountain	VPIM	Oregon,U.S.A.	43.7908N	120.9450W	1932	
Pine Mountain	WPMQ	Queensland,Australia	27.5357S	152.7360E	35	From 1977-03-18
Pine Mountain Observatory	PINE	Oregon,U.S.A.	43.7921N	120.9407W	1916	
Pine Nut	PNTR	Nevada,U.S.A.	39.0891N	119.5997W	2076	
Pine Pass	PPC	British Columbia,Canada	55.4000N	122.6170W		From 1969-07-01 to 1973-04-06
Pinerolo	PNI	Italy	44.9192N	7.3139E	585	From 1968-01-01 to 1990-12-31
Pines Island, New Caledonia	PINNC	New Caledonia	22.6129S	167.4465E	21	From 2011-10-21
Pine Spring	PSUT	Utah,U.S.A.	38.5337N	113.8547W	1999	From 2009-10-21
Pineville	PE-	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pineville	PE-WV	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pingtan	PTTC	Taiwan region	25.5000N	119.7700E	0	From 2011-07-22
Pingtung City	TSPT	Taiwan region	22.6770N	120.4960E	25	From 1999-08-04
Pink Cliffs	PKCU	Utah,U.S.A.	37.4439N	112.3110W	2834	From 2009-10-24
Pinkham Creek	PNK	Montana,U.S.A.	48.7677N	115.0880W	1150	From 1971-02-01 to 1974-07-10
Pink Hill	W60A	North Carolina,U.S.A.	35.0528N	77.7133W	30	From 2013-03-09
Pinlang	TWG	Taiwan region	22.8207N	121.0720E	195	From 1972-09-25
Pinnacle	PCA	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle	PINM	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle Mountain	PNN	Alaska,U.S.A.	56.8050N	157.5830W	442	
Pinnacles	BPIM	California,U.S.A.	36.4900N	121.1680W	329	From 1975-07-03
Pino	PINO	Ecuador	0.1580S	78.6077W	4600	
Pinole Ridge	CPIM	California,U.S.A.	37.9889N	122.2150W	226	
Pinon	PBVM	Mexico D.F.,Mexico	19.4412N	99.0843W		
PINON FLAT INFRASONIC ARRAY REFERENCE POINT	PFIAS	California,U.S.A.	33.6059N	116.4533W	1251	From 2004-02-20
Pinon Flats	TPFO	California,U.S.A.	33.6060N	116.4544W	1275	From 2010-04-09
Pinotepa	PNIG	Guerrero,Mexico	16.3923N	98.1271W	350	
Pinotepa	PIO	Oaxaca,Mexico	16.3947N	98.1270W	200	
Pinto Mountains	PNMC	California,U.S.A.	33.9773N	115.8010W	1147	
Pinyon Flats Observatory	PFO	California,U.S.A.	33.6117N	116.4594W	1259	From 1982-10-01
Pinyon Peak	BPPM	California,U.S.A.	36.1687N	121.3780W	1591	From 1973-12-19
Pioggiola	PGF	Corse,France	42.5483N	8.9994E	1130	From 1989-11-15
Pioraco	PIO1	Italy	43.1782N	12.9838E	465	From 2011-03-30
Pipehead	PHDM	New South Wales,Australia	33.8470S	150.9690E	90	
Piper City	N44A	Illinois,U.S.A.	40.7953N	88.1333W	202	From 2011-10-16
Piper Mountain	PPK	California,U.S.A.	37.4249N	117.9063W	1855	
Pipestone	PP-MN	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Pipestone	PP-	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Piqa, Costa Abajo de Colsn	PINA	Panama	9.2540N	80.0636W	34	From 2004-10-01
Piqua	PIOH	Ohio,U.S.A.	40.1580N	84.2115W	301	
Pira-Piraso	VPP	Luzon,Philippines	14.0340N	121.0000E	10	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pireas	PIR3	Greece	37.9572N	23.6520E	17	From 2012-11-01
PIREAS,	PIR1	Greece	37.9371N	23.6425E	45	From 2013-01-15
Piriac/mer	PIAC	Pays de la Loire,France	47.3691N	2.5392W	3	From 2008-05-08
Pirkuli	PQL	Azerbaijan	40.7890N	48.5930E	1481	From 2003-08-01
Pirkuli	PRLS	Azerbaijan	40.7850N	48.5900E	1448	From 1996-01-01
Pirmasens	PIR	Rheinland-Pfalz,Germany	49.2000N	7.6074E	400	From 1968-01-01
Pirpir	IPIR	Iran	32.6841N	50.8917E	2600	From 2000-09-01
Pirque	PCH	Santiago,Chile	33.6208S	70.5139W	1010	From 1982-01-01
Pisa	PIS	Italy	43.5833N	10.6833E		
Pisa	PII	Italy	43.7219N	10.5249E	66	
Pisagua	PSGCX	Tarapaca,Chile	19.5972S	70.1230W	966	From 2012-01-01
Pisagua	PSGC	Tarapaca,Chile	19.5972S	70.1231W	966	
Pisayambo	PISA	Ecuador	1.0585S	78.3855W	3931	From 1995-02-10
Pisayambo	PIS1	Ecuador	1.0588S	78.3859W	3921	From 2012-06-14
Pisciano	N001	Italy	43.3398N	12.4816E	690	From 2011-03-15
Pisco	PT06	Peru	13.8292S	76.3310W	220	
Pishtovo	PSV	Tajikistan	38.6000N	69.9000E		
Pistoia	PSL	Italy	44.0078N	10.9656E	810	
Pistol Creek	PCMT	Montana,U.S.A.	47.2152N	114.0278W	1873	
Piszkesteto	PSZ	Hungary	47.9184N	19.8944E	940	
Pitanga	PTGB	Parana,Brazil	24.7161S	52.0648W	907	
Pitcairn Island	PTCN	Pitcairn Island	25.0714S	130.0953W	223	
Pitcher Mountain	PNH	New Hampshire,U.S.A.	43.0942N	72.1358W	659	From 1976-01-01
Pitchstone Plateau	YPP	Wyoming,U.S.A.	44.2710N	110.8045W	2707	
Pithoragarh	PTH	Uttar Pradesh,India	29.5500N	80.2167E	1669	
Pitinga	PTGA	Brazil	0.7308S	59.9666W	137	From 1995-01-01
Piton Saint Espirit	SLPE	St Lucia	13.8431N	60.9952W	460	
Pitten	PIA	Austria	47.7175N	16.1931E	380	
Pitt Meadows	PIMB	British Columbia,Canada	49.2743N	122.6661W	43	
Pittsburgh	PIT	Pennsylvania,U.S.A.	40.4450N	79.9533W	273	From 1929-01-01 to 1962-01-31
Pittston Farm, Pittston Academy Grant	F62A	Maine,U.S.A.	45.8968N	69.9664W	331	From 2013-09-27
Pium - TO	RET10	Tocantins,Brazil	10.4308S	49.0985W	266	From 2012-05-02
Piute Mountains	PIU	California,U.S.A.	34.7403N	115.0940W	1209	From 1974-04-01 to 1976-10-31
Piute Reservoir	PUU	Utah,U.S.A.	38.3633N	112.2800W	2598	
Piuthan	PYUN	Nepal	28.1000N	82.9900E	1867	From 1994-04-01
Piva	PIV	Solomon Islands,Papua New Guinea	6.2000S	155.0580E	60	
Pizarro, Choco	PIZC	Colombia	4.9650N	77.3600W	38	From 2014-01-10
Pizona Creek	PZC	California,U.S.A.	37.9652N	118.5683W	2103	
Pizzano Val di Parma - PR	RE07	Italy	44.5259N	10.1984E	745	From 2008-12-27 to 2009-02-12
Pizzo Deneri	EPDN	Sicily,Italy	37.7670N	15.0173E	2820	From 1989-08-01
Pizzo Felice	EPZF	Sicily,Italy	37.8240N	14.8570E	1140	From 1990-04-01
Pizzo Paviglione	EPPA	Sicily,Italy	37.7888N	14.9078E	1275	From 1994-10-01
Placanica	PLAC	Italy	38.4494N	16.4383E	602	From 2005-10-18
Placerville	I11A	Idaho,U.S.A.	43.9121N	115.9578W	1288	From 2006-11-16 to 2008-07-21
Plains	T30A	Kansas,U.S.A.	37.0526N	100.5274W	778	From 2009-04-09 to 2011-03-11
Plaka, Milos Island	MHLA	Greece	36.7450N	24.4219E	200	From 2011-09-14
Plampang	PLAI	Sumba,Indonesia	8.8275S	117.7765E	123	From 2011-03-04
Plano	RFTA	Texas,U.S.A.	33.0122N	96.6902W	200	
Plant 15--Mercuryville	GFTM	California,U.S.A.	38.7930N	122.8340W	755	
Plasencia	EPLA	Spain	40.0642N	6.0803W	591	From 1985-08-01
Plata	PLAT	Spain	36.1226N	5.7655W	414	
Platanillo	PLIG	Guerrero,Mexico	18.3923N	99.5023W	875	
Plateau Road	PRRZ	North Island,New Zealand	38.4989S	176.3929E	334	From 2007-11-12
Platees	VIL2	Greece	38.2118N	23.2680E	422	From 2008-12-29
Platillon	PLAV	Venezuela	9.8740N	67.5024W	1830	From 1984-01-01
Platte Center	PCNE	Nebraska,U.S.A.	41.5392N	97.4275W	482	
Plattsburgh	PNZ	New York,U.S.A.	44.8354N	73.5770W	215	
Plattsburgh	PNY	New York,U.S.A.	44.8342N	73.5550W	177	From 1971-08-01 to 2004-03-11
Plauen	PLN	Thuringen,Germany	50.4851N	12.1573E	432	
Plav	PVY	Montenegro	42.5945N	19.9587E	1303	From 1984-11-01
Playas El Morro	MORR	Ecuador	2.6405S	80.3380W	50	From 2012-05-17
Playas - Guayaquil	APLA	Ecuador	2.6363S	80.3925W	8	From 2011-11-16
Playas Peak, Playas	220A	New Mexico,U.S.A.	31.9041N	108.5266W	1395	From 2008-02-15 to 2009-12-10
Playas-San Antonio	PLAY	Colombia	2.5425S	80.3840W	35	From 2008-12-15
Playitas	PYT	Nicaragua	12.5282N	86.0647W	460	From 1975-01-01
Playitas	PYTN	Nicaragua	12.5377N	86.0577W	460	
Pleasant Camp	PLBC	British Columbia,Canada	59.4567N	136.3650W	280	From 1990-09-20
Pleasant Grove	PGM	Mississippi,U.S.A.	34.4640N	90.1125W	105	From 1979-08-24
Pleasanton	CPNM	California,U.S.A.	37.6502N	121.8620W	200	From 1980-01-01
Pleasant Valley	PEV	California,U.S.A.	36.9770N	121.8320W	158	
Pleasant Valley	JPLM	California,U.S.A.	36.9770N	121.8320W	158	
Pleasantville	M38A	Iowa,U.S.A.	41.4175N	93.1965W	258	From 2010-11-11 to 2012-08-29
Pleito Hills	PLEC	California,U.S.A.	34.9685N	119.0680W	1082	
Plekhanov	TI2	Georgia,Georgia	41.7333N	44.7500E	420	From 1978-01-01
Pleven	PLVB	Bulgaria	43.3870N	24.6207E	199	From 2012-11-20
Plevna	PLVO	Ontario,Canada	45.0396N	77.0754W	279	From 2009-04-29
Pljevlja	PLE	Montenegro	43.3300N	19.3889E	1230	From 1983-12-25
Plockton	KPL	Scotland,United Kingdom	57.3391N	5.6527W	36	From 1986-04-18
PLOIESTI	PLAR	Romania	44.9142N	26.0274E	146	From 2008-11-19
PLOIESTI	PPF	Romania	44.9314N	26.0201E	151	From 2008-11-18
Plons/SG	PLONS	Switzerland	47.0492N	9.3807E	1020	From 2002-05-21
Plostina	PLOR	Romania	45.8512N	26.6498E	657	From 2004-09-01
Plostina	PLOR7	Romania	45.8603N	26.6405E	757	From 2010-04-14
Plostina Array site 1	PLOR1	Romania	45.8520N	26.6466E	706	From 2007-10-07
Plostina Array site 2	PLOR2	Romania	45.8502N	26.6437E	701	From 2007-10-07
Plostina Array site 3	PLOR3	Romania	45.8540N	26.6455E	722	From 2007-10-07
Plostina Array site 4	PLOR4	Romania	45.8512N	26.6498E	680	From 2007-10-07
Plostina Array site 5	PLOR5	Romania	45.8455N	26.6635E	650	From 2009-01-19
Plostina Array site 6	PLOR6	Romania	45.8420N	26.6416E	720	From 2009-01-19
Plovdiv	PLD	Bulgaria	42.1049N	24.7031E	176	From 1983-08-01
Plymouth	PLY	Trinidad and Tobago	11.2170N	60.7790W	9	
Poas	POA	Costa Rica	10.1523N	84.2171W	2093	From 1984-03-17 to 1986-05-06
Poas 2	POA2	Costa Rica	10.1772N	84.2508W	2500	From 1986-05-06
Poas 5	POA5	Costa Rica	10.2044N	84.2297W	1230	
Poasito	TERP	Costa Rica	10.1690N	84.1923W	2023	
Poatina	POAT	Tasmania,Australia	41.8173S	146.9033E	834	
Poblet	EPOB	Spain	41.3527N	1.0786E	890	
Pocatello Creek	PTI	Idaho,U.S.A.	42.8703N	112.3700W	1670	From 1984-11-01
Pocatky	POCA	Czech Republic	50.3193N	12.4346E	800	
Po¯¡tky	POCW	Czech Republic	50.3200N	12.4270E	790	From 2004-04-01
Pochutla	PLO	Oaxaca,Mexico	15.7402N	96.4583W	280	
Podgorica	TTG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgorica	PDG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgornoye	PDGK	Kazakhstan	43.3290N	79.4900E	1400	From 1987-10-25 to 1996-11-15
Podkova	PDK	Kamchatskaya Oblast',Russia	56.1400N	160.7800E	800	
Podkum	PDKS	Slovenia	46.0612N	14.9978E	679	
Pofadder	POF	Cape Province,South Africa	29.3817S	19.9500E	940	From 1986-01-01 to 2000-09-01
Poggio Cancelli	RM32	Italy	42.5702N	13.2932E	1362	From 2009-09-18 to 2010-02-15
Poggio Castellaccio	ATPC	Italy	43.4807N	12.4570E	609	From 2009-01-26
Poggio di Roio	T0108	Italy	42.3354N	13.3765E	1013	From 2009-04-09 to 2009-11-26
Poggio Santa Maria	T0101	Italy	42.3308N	13.3026E	850	From 2009-04-06
Poggio Sant'Ercolano (Gualdo Tadino) PG	AT06	Italy	43.2315N	12.7115E	619	From 2010-04-20
Poggio Sodo	PGD	Italy	43.8753N	11.7214E	500	
Pogoanele	PGOR	Romania	44.9080N	26.9846E	98	From 2004-05-06
Pogradec	POGR	Albania	40.8996N	20.6790E	709	From 2014-12-17
Pogromni	WPOG	Alaska,U.S.A.	54.5970N	164.7450W	445	
Pogue Cattle Company, Sulphur Springs	Z37A	Texas,U.S.A.	33.1981N	95.6229W	146	From 2010-04-26 to 2012-01-21
Pohakuloa	POHA	Hawaii,U.S.A.	19.7575N	155.5325W	1967	
Pohang	KSPHA	Republic of Korea	36.1929N	129.3708E	39	From 2004-12-20
Pohang	PHN	Republic of Korea	36.0300N	129.3600E		
Pohang	KSPOH	Republic of Korea	36.0245N	129.3758E	1	
Pohnpei	PATS	Caroline Islands,Micronesia	6.8367N	158.3125E	10	
Pohoiki	POH	Hawaii,U.S.A.	19.4570N	154.8540W	16	
Poiana Mare	PMRF	Romania	45.3328N	25.9374E	1164	
Point Arena AFB	GAFM	California,U.S.A.	38.8932N	123.5380W	710	
Point Barrow	PTB	Alaska,U.S.A.	71.1333N	156.8000W		
Point Dume	PT2	California,U.S.A.	34.0042N	118.8060W	40	
Pointe Anglais	ICQ	Quebec,Canada	49.5217N	67.2719W	58	From 1991-01-08
Pointe-a-Pierre	TPP	Trinidad and Tobago	10.3170N	61.4510W	46	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pointe Michel	DPMT	Dominica	15.2609N	61.3770W	50	
Pointe Molloy	PMK	Kerguelen Islands,France	49.3609S	70.0669E	22	
Pointe noire	GCPN	Guadeloupe,France	16.2344N	61.7883W	15	From 2007-02-01
Point Hope	I49A	Michigan,U.S.A.	43.9400N	82.8246W	217	From 2012-10-17
Point Lisas	PLS	Trinidad and Tobago	10.4130N	61.4900W		From 1977-10-01 to 1978-06-01
Point Lookout	PLVA	Virginia,U.S.A.	36.6673N	81.1582W	1353	From 1982-11-30 to 2008-02-13
Point Molate	CPMM	California,U.S.A.	37.9490N	122.4080W	116	
Point of Rocks Canyon, Magdalena	Y21A	New Mexico,U.S.A.	34.0087N	107.6740W	2168	From 2008-01-31 to 2009-12-05
Point Pleasant	PPLM	Missouri,U.S.A.	36.4034N	89.5831W	82	
Point Reyes	PRC	California,U.S.A.	38.0800N	122.8670W	404	
Point Reyes	NPRM	California,U.S.A.	37.9965N	123.0160W	165	
Point Sur Hydrophone	PSUR	California,U.S.A.	36.3016N	122.3933W		
Pokaka	PKVZ	North Island,New Zealand	39.2893S	175.3464E	770	From 2005-03-15
Poker Plat Research Range	POKR	Alaska,U.S.A.	65.1171N	147.4335W	501	From 2012-10-02
Pola	POL	Croatia	44.8667N	13.8500E	32	
Poland Farm, Powhatan	S58A	Virginia,U.S.A.	37.6126N	78.0511W	96	From 2013-04-04
Polavaram	PVM	Andhra Pradesh,India	17.2493N	81.6239E	40	From 2008-08-27
Polcenigo	POLC	Italy	46.0266N	12.5005E	150	From 2008-07-17
Pole Canyon	PCY	Utah,U.S.A.	38.3330N	112.9010W	2033	
Pole Creek	PCID	Idaho,U.S.A.	43.9137N	114.7780W	2262	From 1992-12-01
Pole Mountain	PM-WY	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Pole Mountain	PMW	Wyoming,U.S.A.	41.2100N	105.3350W	2440	From 1961-12-08 to 1963-08-31
Pole Mt.	PM-	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Poleta Canyon	POCCA	California,U.S.A.	37.3622N	118.2801W	1799	
Polichno	POLL	Slovakia	48.3578N	19.1575E	550	From 2002-10-01
Poligiros	POL1	Greece	40.3799N	23.4411E	560	From 2008-09-30
Polilio Island	POLP	Luzon,Philippines	14.7280N	121.9390E	32	
Polino	PO9	Italy	42.5806N	12.8836E		
Polino	POI	Italy	42.5806N	12.8836E	1200	
Poliokeawe Pali	PWH	Hawaii,U.S.A.	19.2837N	155.2250W	169	From 1973-05-23
Pollina	PLLN	Sicily,Italy	37.9919N	14.1436E	762	
Polly Butte	POB	California,U.S.A.	33.6867N	116.9230W	1003	
Poltava	NE58	Ukraine	49.6030N	34.5430E	166	
Polygyros	PLG	Greece	40.3739N	23.4456E	580	
Pomanovo	PR1R	Permskiy Kray,Russia	59.1846N	56.7446E	160	
Pomariorio	PMO	Tuamotu,French Polynesia	15.0017S	147.8942W	2	
Pomariorio Reef	PMOR	Tuamotu,French Polynesia	15.0022S	147.8942W	2	
Pomeroy	PH-WA	Washington,U.S.A.	46.3236N	117.3281W	945	
Pomio	PNB	New Britain,Papua New Guinea	5.5250S	151.5080E	4	From 1971-08-06 to 1972-05-31
Pomona	POM	California,U.S.A.	34.1000N	117.7170W	350	From 1949-01-01 to 1999-08-25
Pomona	PCF	California,U.S.A.	34.0532N	117.7910W		From 1976-01-01
Pomortsevo, Kuzbass, Russia	POMOR	Kemerovskaya Oblast',Russia	54.4069N	86.5262E	211	From 2014-05-19
Pompei	CPMP	Italy	40.7373N	14.4999E	5	From 2010-12-06
Pompeii	PMP	Italy	40.7500N	14.5000E		
Ponca City	PCO	Oklahoma,U.S.A.	36.6930N	96.9825W	324	From 1977-07-05
Ponce	PZ-PR	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce	PON	Puerto Rico	18.0033N	66.6139W	50	From 1974-08-16 to 1975-07-17
Ponce	PZ-	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce-Enriquez	PENR	Ecuador	3.0442S	79.6894W	318	From 2012-08-15
Ponciano Ridge	BPRM	California,U.S.A.	36.4070N	121.7300W	741	
Pond Inlet	PINU	Nunavut,Canada	72.6971N	77.9748W	36	
Pondoa	POND	Ecuador	1.4212S	78.4523W	2754	From 2011-02-25
Pondosa	LPDM	California,U.S.A.	41.1953N	121.6960W	1231	
Poneloya	PYN	Nicaragua	12.3822N	87.0223W	50	From 1975-01-01
Pong	PONG	India	31.9533N	75.9500E	0	
Pongaroa	PGZ	North Island,New Zealand	40.6171S	176.2739E	60	From 1988-05-18 to 1996-06-19
Pongola	POGA	South Africa	27.3460S	31.7070E	290	From 2005-03-04
Pongola	POG	Natal,South Africa	27.3698S	31.6117E	290	From 1994-01-01 to 2005-10-30
Ponta Delgada	PDA	Azores,Portugal	37.7467N	25.6633W	35	
Ponta do Capelo	PTCA	Azores,Portugal	38.5845N	28.7966W	243	From 2005-08-01
Ponta Puerca	PTP	Puerto Rico	18.2362N	65.6175W		
Pont de Suert	PONT	Spain	42.4043N	0.7573E	1220	
Ponte Alta do Tocantins	PATO	Tocantins,Brazil	10.6293S	47.3082W	348	From 2011-08-06
Pontebba	POBI	Italy	46.5133N	13.2767E	860	From 1983-01-30 to 1988-01-01
Ponte de Pedra	PP1B	Mato Grosso,Brazil	17.6003S	54.8797W	368	From 2003-06-19
Pontenova	EPON	Spain	43.3270N	7.1494W	440	
Pontes e Lacerda, MT	PTLB	Mato Grosso,Brazil	15.4487S	59.1368W	72	From 2013-12-15
Pontiac	PW-	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontiac	PW-IL	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontianak	PTKI	Kalimantan,Indonesia	0.1454S	109.4049E	0	From 2005-01-01
Ponto Novo - BA	NBPN	Bahia,Brazil	10.8468S	40.1988W	386	From 2011-09-24
Pony Springs, Pioche	R12A	Nevada,U.S.A.	38.3281N	114.6076W	1845	From 2007-01-25 to 2008-09-10
Poona	POO	Maharashtra,India	18.5295N	73.8492E	560	From 1964-10-05
Poopo	POOP	Bolivia	18.3880S	67.0173W	3721	From 1994-06-09 to 1995-05-08
Poorman Mine	PMC	Colorado,U.S.A.	40.0300N	105.3370W	1990	From 1965-01-01 to 1969-12-31
Popayan, Colombia	POPC	Colombia	2.5402N	76.6758W	1869	From 2008-02-01
Popayan, Gabriela Mistral	CPOP5	Colombia	2.4710N	76.5760W	1794	From 1997-11-03
Popayan, Invias	CPOP2	Colombia	2.4590N	76.5960W	1769	From 1994-06-22
Popayan, Sena	CPOP3	Colombia	2.4840N	76.5630W	1873	From 1997-11-08
Popeni	PPE	Romania	46.2578N	27.8503E	267	From 1981-01-01
Popesti-Leordeni	POPR	Romania	44.3554N	26.2034E	109	From 2003-11-02
Popeta	MT01	Metropolitana	33.8641S	71.2509W	310	From 2014-01-21
Popiglio	POPM	Italy	44.0450N	10.7570E	440	From 2004-01-01
Poplar Bluff	PBMO	Missouri,U.S.A.	36.7786N	90.4297W	143	
Poplarville	446A	Mississippi,U.S.A.	30.7912N	89.3645W	55	From 2011-03-15 to 2012-12-13
Popocatepetl	PPM	Puebla,Mexico	19.0667N	98.6267W	3980	
Popondetta	POP	Papua New Guinea	8.7344S	148.2490E	100	From 1964-12-01 to 1966-02-28
Poppy Hill Road	APRM	California,U.S.A.	38.8770N	121.2170W	133	From 1976-07-15
Porangahau	PRHZ	North Island,New Zealand	40.2664S	176.6352E	326	From 2008-01-14
Porcher Bluff	PBF	South Carolina,U.S.A.	32.8585N	79.7642W	-58	
Porculla	PT18	Peru	5.8620S	79.4870W	2970	
Porcupine Dome	PRP	Alaska,U.S.A.	65.5178N	145.5220W	1498	From 1990-02-16
Pores Knob	PKNC	North Carolina,U.S.A.	36.0460N	81.1580W	785	From 1982-11-11 to 2008-02-13
Pori Road	PRWZ	North Island,New Zealand	40.5547S	175.9710E	303	From 2008-11-03
Porkkala	PKK	Finland	60.0052N	24.5169E	10	
Portachuelo	PCHP	Peru	6.0330S	79.6830W	150	
Portage	PTU	Utah,U.S.A.	41.9293N	112.3250W	2192	From 1976-12-17
Portage	PTE	Alaska,U.S.A.	60.8645N	149.0240W	55	From 1972-08-29
Portage Bay	POBM	Missouri,U.S.A.	36.4085N	89.6622W	82	
Portageville	PGVM	Missouri,U.S.A.	36.4602N	89.7290W	82	
Portageville	PTG	Missouri,U.S.A.	36.4277N	89.7037W		
Portageville	PVMO	Missouri,U.S.A.	36.4137N	89.6997W	98	
Portageville	U44A	Missouri,U.S.A.	36.5047N	89.6863W	89	From 2011-07-26 to 2013-05-01
Port Alberni	B927	British Columbia,Canada	49.2188N	124.8113W	-182	
Portalegre	PRL	Portugal	39.3117N	7.3594W	1020	
Port Alice, BC	PACB	British Columbia,Canada	50.4355N	127.4925W	24	From 2010-06-24
Port Angeles	B04A	Washington,U.S.A.	48.0575N	123.5040W	293	From 2005-10-21 to 2008-02-15
Port Antonio	PAJ	Jamaica	18.1700N	76.4560W	201	
Port-au-Prince	PAPH	Haiti	18.5225N	72.2993W	218	
Port-aux-Francais	PAF	Kerguelen Islands,France	49.3506S	70.2133E	17	
Port Bizet	KPB	Kerguelen Islands,France	49.5200S	69.9010E		From 1974-02-01
Port Blair	PBA	Andaman Islands,India	11.6559N	92.7428E	17	
Port Clarence	PTCL	Alaska,U.S.A.	65.2583N	166.8700W	14	From 1980-07-01
Port Clements	PCB	British Columbia,Canada	53.7061N	132.5670W	634	
Port Colborne	PTCO	Ontario,Canada	42.8844N	79.3115W	180	
Port Douzieme	KPD	Kerguelen Islands,France	49.5170S	70.1570E		From 1974-02-01
Porterfield Farm, Petersburg	Y29A	Texas,U.S.A.	33.8602N	101.6712W	991	From 2009-01-30 to 2010-11-16
Port Fidalgo	FID	Alaska,U.S.A.	60.7500N	146.4790W	457	From 1974-10-07
Port Gamble	PGW	Washington,U.S.A.	47.8219N	122.5990W	122	
Port Hardy	PHC	British Columbia,Canada	50.7067N	127.4320W	33	From 1962-12-01
Port Heiden	PHA	Alaska,U.S.A.	56.9883N	158.6750W		
Portimao	PPOR	Portugal	37.1331N	8.5351W	3	From 2015-02-27
Port Jervis	M60A	New York,U.S.A.	41.3265N	74.6250W	292	From 2013-08-31
Port Laguerre	NOUC	New Caledonia	22.1011S	166.3030E	112	From 1988-03-21
PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	KPP	New Caledonia	22.1844S	166.8459E	272	From 2002-03-29
Portland	POR	Maine,U.S.A.	43.6833N	70.2833W		
Portland	PTD	Oregon,U.S.A.	45.5083N	122.7160W	208	From 1964-05-01
Portland Cottage	PCJ	Jamaica	17.7413N	77.1574W	98	From 1978-07-20
Port Lavaca	737A	Texas,U.S.A.	28.7639N	96.4402W	11	From 2010-05-25 to 2011-11-07

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Port Louis	SEG	Guadeloupe,France	16.4028N 61.5052W	60	From 1981-01-01
Port Mandanici	MPNC	Sicily,Italy	38.1450N 15.3520E	385	From 1993-12-01
Port Miou	MIOU	France	43.2100N 5.5140E	10	From 2010-12-03
Port Moller	PMA	Alaska,U.S.A.	55.9786N 160.4970W	314	From 1972-09-16 to 1978-10-12
Port Moresby	PMG	Papua New Guinea	9.4062S 147.1590E	65	From 1957-12-01
Porto	PTO	Portugal	41.1386N 8.6022W	88	From 1912-01-01
Porto Alegre	UFRS	Rio Grande do Sul,Brazil	30.0540S 51.1244W	296	From 1994-04-01
Porto Cannone	PTC	Italy	41.9297N 15.0425E	40	
Porto d'Ischia	PDI	Italy	40.7333N 13.9500E	37	
Porto dos Ga˜"chos	PAR5	Mato Grosso	11.5819S 57.3889W	255	From 2015-05-12
Porto dos Ga˜"chos, MT	PDRB	Mato Grosso,Brazil	11.6123S 56.7296W	322	From 2012-11-12
Portola Park	JPPM	California,U.S.A.	37.2645N 122.2130W	186	From 1966-12-22
Portola State Park	LT3	California,U.S.A.	37.2645N 122.2130W	186	From 1966-12-22
Porto Moniz, Madeira	PMOZ	Madeira Islands,Portugal	32.8230N 17.1970W	1027	From 2008-09-01
Porto Murtinho	PTMB	Mato Grosso,Brazil	21.4631S 57.4756W	240	From 1994-10-01
Porto Nacional, TO, Brazil	RET1	Tocantins,Brazil	10.6711S 48.5469W	251	From 2009-10-29
Porton East	POE	England,United Kingdom	51.1447N 1.6539W	125	From 1975-09-28 to 2010-10-01
Porton South	POS	England,United Kingdom	51.1381N 1.6333W	122	From 1977-11-01 to 1978-07-12
Porto Primavera	POPB	Brazil	22.4565S 52.8368W	280	
Porto Santo	PMPS	Madeira Islands,Portugal	33.0570N 16.3330W	47	
Porto Santo, Madeira	PMPST	Madeira Islands,Portugal	33.0788N 16.3334W	240	From 2008-06-06
Port Pirie	PTPS	South Australia,Australia	33.1725S 137.9943E	9	From 2009-01-01
Port Renfrew	PFB	British Columbia,Canada	48.5717N 124.4400W	550	From 1983-06-15
Port Royal	PRJ	Jamaica	17.9352N 76.8438W	2	From 1969-08-09
Portsmouth	PSDMZ	Dominica	15.5770N 61.4563W	0	
Port Stanley	PSF	Falkland Islands	51.7000S 57.8667W		
Port Sulphur	646A	Louisiana,U.S.A.	29.5832N 89.8245W	0	From 2011-03-17 to 2013-01-27
Portuguese Canyon 2	PPO	California,U.S.A.	35.8667N 120.6160W	446	
Portuguez	PORP	Puerto Rico	18.0629N 66.6363W	199	From 1989-08-01
Port Vila	PVC	Vanuatu	17.7400S 168.3120E	80	From 1960-01-01
Port Wells	PWL	Alaska,U.S.A.	60.8593N 148.3350W	549	
Porvoo	PRF	Finland	60.3855N 25.6805E	10	
Porvoo	PRV	Finland	60.3571N 25.5584E	25	
Posio	KU3	Finland	66.1469N 28.5984E	245	From 2004-12-15
Posof	EPOS	Turkey	41.5035N 42.7279E	1499	From 2009-09-30
Possen	POSS	Thuringen,Germany	51.3327N 10.8668E	425	From 2012-02-17
Possum Corner Farms, Belvidere	U61A	North Carolina,U.S.A.	36.3319N 76.4464W	4	From 2013-04-24
Post	PO-TX	Texas,U.S.A.	33.4756N 101.3622W	914	From 1961-12-09 to 1961-12-20
Post	PO-	Texas,U.S.A.	33.4756N 101.3622W	914	From 1961-12-09 to 1961-12-20
Posta Fibreno	POFI	Italy	41.7174N 13.7120E	878	From 2007-03-28
Poste Baleine	PBQ	Quebec,Canada	55.2767N 77.7433W	20	
Post Highland Seismo, Ainsworth	M40A	Iowa,U.S.A.	41.4060N 91.5121W	223	From 2011-08-25
Postiglione	PST3	Italy	40.5609N 15.2433E	762	
Post Office Road	POWZ	New Zealand	40.3917S 175.7680E	295	From 2008-04-23
Post Ranch	BPOM	California,U.S.A.	36.2287N 121.7670W	354	
Potamos Kythira	KYT1	Greece	36.2994N 22.9627E	363	From 2001-06-30
Potato Knob	PKKY	Kentucky,U.S.A.	38.3830N 83.0340W	336	From 1985-01-01
Poteau	W38A	Oklahoma,U.S.A.	35.0704N 94.5184W	169	From 2010-04-22 to 2012-02-29
Potenciana	PTCR	Costa Rica	9.7895N 84.4295W	1510	From 1984-03-17
Potenciana 2	POCR	Costa Rica	9.7843N 84.4042W	1360	
Potenza	PZUN	Italy	40.6459N 15.8071E	0	From 2005-07-25
Potomac	O45A	Illinois,U.S.A.	40.2489N 87.7244W	208	From 2011-10-17
Potrerito	POTV	Venezuela	9.9980N 67.4508W	1002	From 2004-07-01
Potrero Grande	POGM	Guerrero,Mexico	17.3752N 100.6213W	650	
Potrero Hills, Fairfield	POTR	California,U.S.A.	38.2026N 121.9353W	20	From 1998-12-10 to 2005-02-05
Potsdam	POT	Brandenburg,Germany	52.3803N 13.0678E	80	
Potsdam Coll	POTS	New York,U.S.A.	44.6634N 74.9732W	112	From 2006-05-22
Potsdam (NY)	PTN	New York,U.S.A.	44.5700N 74.9819W	197	From 1971-10-01
Potts Junction	PJG	Mariana Islands	13.5893N 144.8684E	199	From 1957-05-01
Potts Mountain	VWV	Virginia,U.S.A.	37.4660N 80.3917W	963	
Pottstown	PJ-PA	Pennsylvania,U.S.A.	40.2828N 75.5836W	91	
Pouilloux	POU	Bourgogne,France	46.6146N 4.3652E		
Poverty Ridge	CB7	California,U.S.A.	37.4292N 121.7425W	975	From 1968-07-12 to 1970-05-07
Poverty Ridge 1, Station 3	RDG13	California,U.S.A.	37.4289N 121.7434W	970	
Powder case	POWD	Turkey	40.8754N 28.9722E	6	From 2006-09-29
Powell	H19A	Wyoming,U.S.A.	44.6704N 108.9857W	1479	From 2008-08-13 to 2010-09-14
Powhatan	POW	Arkansas,U.S.A.	36.1520N 91.1850W	156	From 1974-06-19 to 1992-02-29
Poza Rica	PZX	Veracruz,Mexico	20.5389N 97.4592W	150	
Pozo Almonte	POZO	Chile	20.2525S 69.7594W	1024	From 2009-12-04
Pozo tres de Borinquen	PBO3	Costa Rica	10.8063N 85.4238W	583	From 2000-01-01
Pozza Ferrara, Ferrara di Monte Baldo (VR)	PZF	Italy	45.6558N 10.8322E	1095	From 2006-11-16
Pozzilli	PLI2	Italy	41.5314N 14.0586E	575	
Pozzillo	EPOZ	Italy	37.5136N 15.0822E	117	From 2006-07-12
Pozzuoli	CMRS	Italy	40.8376N 14.0928E	110	From 2008-03-03
Pozzuoli	IPOZ	Italy	40.8203N 14.1205E	3	From 1982-01-01
Pozzuolo	FPOZ	Hungary	46.0100N 13.1800E	59	From 2002-07-15
Prada, Italy	MPRD	Italy	45.9534N 11.8986E	705	From 2010-06-08
Prado	PRAC	Colombia	3.7138N 74.8862W	457	From 1994-01-01
Pradon	PRAF	Provence-Cote d'Azur,France	43.8042N 5.1692E	700	From 1982-11-01
Prague	PRA	Czech Republic	50.0703N 14.4331E	225	
Prainha do Norte	PPNO	Azores,Portugal	38.4716N 28.2638W	725	From 2002-08-01
Prairie City	H08A	Oregon,U.S.A.	44.5191N 118.6704W	1373	From 2006-07-28 to 2008-07-10
Prairie Point, Evansville	K42A	Wisconsin,U.S.A.	42.7792N 89.3457W	302	From 2011-10-14 to 2013-06-14
Prairie Street, Timpson	ETX02	Texas,U.S.A.	31.9091N 94.4058W	103	
Prapat	PSI	Sumatera,Indonesia	2.8010N 98.9240E	987	
Pratas Island	VDOS	Taiwan region	20.7010N 116.7306E	38	From 2009-05-06
Prato	PTF	Italy	43.9594N 11.0697E	550	
Prato	TPRT	Italy	43.5400N 11.0500E	99	From 2009-11-19
Pratoni del Vivaro - Roma	VIVA	Italy	41.7502N 12.7702E	550	From 2014-07-07
Pratopiano (Palanzano) - PR	RE06	Italy	44.4511N 10.2304E	680	From 2008-12-28 to 2009-02-12
Prato-Toscana	PRT	Italy	43.8800N 11.0942E	61	
Prehn Over North, Clear Lake	H33A	South Dakota,U.S.A.	44.6812N 96.7434W	584	From 2010-07-30 to 2012-06-11
Premariacco	FPRM	Italy	46.0600N 13.4000E	105	From 2007-09-15
Presa Benito Juarez	PBJ	Oaxaca,Mexico	16.4367N 95.4067W	213	
Presa Caracol 1	CC1	Guerrero,Mexico	17.9400N 100.0100W	1000	
Presa Caracol 2	CC2	Guerrero,Mexico	17.9930N 100.1010W	1000	
Presa Caracol 3	CC3	Guerrero,Mexico	17.9885N 99.9847W		
Presa Caracol 4	CC4	Guerrero,Mexico	18.0200N 99.9000W	1000	
Presa Caracol 5	CC5	Guerrero,Mexico	17.5400N 99.2780W		
Presa de Sabaneta	SDDR	Caribbean Sea,U.S.A.	18.9821N 71.2878W	589	
Presa Infiernillo	PIM	Guerrero,Mexico	18.2750N 101.8820W	81	
Presa Madin	MDVM	Mexico D.F.,Mexico	19.5365N 99.2490W	2405	
Presa Malpaso	PMM	Chiapas,Mexico	17.1700N 93.6028W	215	
Presa Marin	PNVM	Mexico D.F.,Mexico	19.3470N 98.9180W		
Presa Penitas 1	PN1	Chiapas,Mexico	17.4690N 93.4880W		
Presa Penitas 2	PN2	Chiapas,Mexico	17.4380N 93.4505W		
Presa Penitas 3	PN3	Chiapas,Mexico	17.3540N 93.6080W		
Presa Penitas 4	PN4	Chiapas,Mexico	17.1790N 93.3950W		
Preselentsi	PSN	Bulgaria	43.6822N 28.1836E	171	From 1983-08-01
Presidente	PPD	Sao Paulo,Brazil	22.0314S 51.3119W	406	From 1988-02-01
Presidio of San Francisco	JPRM	California,U.S.A.	37.7950N 122.4740W	107	From 1968-09-26
Presque Isle	PQI	Maine,U.S.A.	46.6710N 68.0168W	180	
presqu˜"file de Saint-Tropez - 83065, Gassin	STROF	Provence-Cote d'Azur	43.2197N 6.6011E	318	From 2015-02-11
Preston	PQ-ID	Idaho,U.S.A.	42.2281N 111.7158W	1554	
Preston	L41A	Iowa,U.S.A.	42.0751N 90.4977W	238	From 2011-06-09 to 2013-05-13
Preston Nutter Ranch, Sunnyside	P18A	Utah,U.S.A.	39.6279N 110.2457W	2743	From 2007-07-26 to 2009-06-03
Pretoria	PRE	Transvaal,South Africa	25.7533S 28.1900E	1333	From 1949-01-01 to 1999-08-25
Preveza	PRE2	Greece	38.9578N 20.7547E	9	From 2011-06-01
Preza	PRZA	Albania	41.4300N 19.6700E	230	From 2002-09-05
Pribbeno Ranch, Imperial	N28A	Nebraska,U.S.A.	40.6873N 101.5406W	1009	From 2009-05-20 to 2011-04-06
Pribram	PBCC	Czech Republic	49.6857N 13.9956E	386	From 2011-07-22
Price	PCU	Utah,U.S.A.	39.6067N 110.8050W	1714	From 1962-05-01
Price	KPE	Alaska,U.S.A.	64.4608N 146.8960W	204	From 1994-10-01
Price's Panorama, Muncy Valley	M58A	Pennsylvania,U.S.A.	41.3721N 76.4603W	529	From 2013-07-02
Priddis	PRDA	Alberta,Canada	50.8674N 114.2918W	1252	From 2009-11-13
Prieska	PKA	Cape Province,South Africa	29.6700S 22.7567E	960	From 1993-03-01
Priest	PRI	California,U.S.A.	36.1417N 120.6650W	1187	From 1961-01-01
Prijedor	PRIJ	Bosnia and Herzegovina	44.9720N 16.7130E	141	
Prince Edward County	PECO	Ontario,Canada	43.9340N 76.9939W	92	From 2009-04-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Prince George	PG2BC	British Columbia,Canada	53.9911N	122.5122W	747	
Prince George	PG-	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG-BC	British Columbia,Canada	53.9972N	122.5231W	914	
Prince Lake	PRLK	Oregon,U.S.A.	44.2097N	121.9626W	1283	From 2007-08-17
Prince Rupert	RUBB	British Columbia,Canada	54.3262N	130.2523W	12	
Prince Rupert	RUB	British Columbia,Canada	54.3259N	130.2867W	53	From 1985-09-01 to 2006-03-28
Princess Elisabeth base, Queen Maud Land, Antarctica	EHB	Antarctica	71.9470S	23.3469E	1359	From 2010-02-23
Princeton	PWV	West Virginia,U.S.A.	37.3360N	81.0478W	829	From 1978-03-01 to 2006-02-27
Princeton	PANJ	New Jersey,U.S.A.	40.3769N	74.7029W	100	From 2008-02-15
Princeton	PD-	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	PD-BC	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	T46A	Kentucky,U.S.A.	37.0417N	87.8941W	169	From 2011-11-18
Princeton	G65A	Maine,U.S.A.	45.2002N	67.5632W	78	From 2013-09-24
Princeton	PRIN	New Jersey,U.S.A.	40.3669N	74.7179W	110	From 1977-03-01
Prines Rethymno	PRNS	Crete,Greece	35.3649N	24.5015E	51	From 2006-12-01
Prineville	I06A	Oregon,U.S.A.	43.9437N	120.2107W	1296	From 2006-02-02 to 2008-04-09
Priterechnaya	PRTR	Severo-Osetinskaya,Russia	43.7515N	44.2820E	136	From 2005-08-08
Private Property, Shandon	TRAM	California,U.S.A.	35.6769N	120.2709W	642	From 2012-12-13
Private Property, Shandon	TSCN	California,U.S.A.	35.5440N	120.3481W	476	From 2012-03-09
Prizren	PRZK	Kosovo	42.2108N	20.7581E	683	From 2008-07-06
Prodromos	PDO	Greece	38.5986N	21.1833E	227	From 2009-10-02
Prodromos	PROD	Greece	38.2589N	22.9006E	350	From 2010-07-02
Promano (Citt^ di Castello) - PG	AT01	Italy	43.3940N	12.3076E	484	From 2010-04-01
Promontory Point	PPU	Utah,U.S.A.	41.3106N	112.4300W	1874	
Prospect	PRST	Texas,U.S.A.	31.9520N	94.6330W	220	
Prospect	TPR	Trinidad and Tobago	11.1860N	60.7770W	245	From 1978-02-20
Prospectdale	ELN	Virginia,U.S.A.	37.2283N	80.7517W	634	
Prosser	PRW	Washington,U.S.A.	46.2127N	119.6860W	552	From 1975-06-01
Provadia	PRD	Bulgaria	43.2000N	27.4000E	50	From 1995-01-01
Provideniya	PRVR	The Chukotsky Autonomous Okrug,Russia	64.4470N	173.1750W	86	From 2006-06-14
Provideniya	PROV	Magadanskaya Oblast',Russia	64.4270N	173.2250W	25	
Pruhonice	PRU	Czech Republic	49.9883N	14.5417E	302	
Pruna	EPRU	Spain	36.9660N	5.2313W	560	From 1986-11-01
Prunihres	OG17	Rhone-Alpes,France	44.9067N	5.7662E	1140	From 1988-09-12
Prvonek	PRVS	Serbia	42.5077N	22.0758E	625	From 2005-07-22
Przheval'sk	PRZ	Kyrgyzstan	42.4833N	78.4000E	1835	From 1950-07-01
Psara	PSRA	Greece	38.5419N	25.5638E	12	From 2010-07-01
Psaromita, Dorida	PSARO	Greece,Greece	38.3319N	22.1752E	116	From 2000-04-16
Psathopyrgos	PSA1	Greece	38.3253N	21.8837E	3	From 2009-03-16
Pskov	NE52	Pskovskaya Oblast',Russia	57.8190N	28.3900E	40	
PSNS Bremerton SMO	PSNS	Washington,U.S.A.	47.5587N	122.6443W	6	From 2004-04-05
Pt. Cumana	TPTC	Trinidad and Tobago	10.6800N	61.5700W	49	
Pto Chacabuco	CHFR	Chile	45.4606S	72.8700W	0	
Pto de San Jose	PSG	Guatemala	13.9478N	90.7915W	5	From 1981-11-01 to 1988-12-31
PtolemaidA	PTO1	Greece	40.5101N	21.6819E	609	From 2010-11-01
Pto San Jose 2	PSG2	Guatemala	13.9522N	90.8155W	5	From 1988-01-01
Puale Bay	PUB	Alaska,U.S.A.	57.7733N	155.5170W	280	From 1974-01-01
Pucallpa	PUC	Peru	8.3970S	74.6680W	130	
Pucara	PUCR	Ecuador	3.2100S	79.5000W	3000	From 1995-07-21
Pudahuel	PUEX	Santiago,Chile	33.4413S	70.7579W	505	
Puddingstone Reservoir	PSRC	California,U.S.A.	34.0918N	117.8071W	305	
Puebla	PHPU	Puebla,Mexico	19.0442N	98.1685W	2170	From 2009-02-16
Puebla	CXP	Puebla,Mexico	18.2754N	97.1418W		
Puebla	PUE	Puebla,Mexico	19.0417N	98.1967W	2162	
Puebla	CIPM	Puebla,Mexico	17.9620N	97.8540W		
Pueblo Viejo	PVP	Peru	15.7914S	74.2211W	233	
Puelo Alto	PUEL	Chile	41.6637S	72.2960W	25	
Puengasi	QUEM	Ecuador	0.2371S	78.4973W	3055	From 2007-12-05
Puente Sto Nino	ARIG	Guerrero,Mexico	18.2805N	100.3473W	387	From 2009-02-01
Puerto Angel	PANG	Oaxaca,Mexico	15.6668N	96.4735W	0	From 2009-02-16
Puerto Armuelles	ARM	Panama	8.2832N	82.8665W	10	
Puerto Armuelles 2	ARM2	Panama	8.1000N	82.8667W	10	
Puerto Asis, Putumayo	PUAC	Colombia	0.5500N	76.5700W	287	From 2014-05-03
Puerto Ayacucho	PAYV	Venezuela	5.4200N	67.6560W	83	From 2003-07-16
Puerto Ayora	PAYG	Galapagos,Ecuador	0.6740S	90.2858W	195	
Puerto Aysen	AYCH	Chile	45.4018S	72.6940W	22	From 2009-07-09
Puerto Azul	PAZ	Luzon,Philippines	14.2260N	120.6760E	124	
PUERTO BERRIO, Antioquia	PTBC	Colombia	6.5395N	74.4563W	260	From 2011-12-05
Puerto del Bujeo, Cadiz	E002	Spain	36.0610N	5.5137W	388	From 2007-07-10 to 2009-06-15
Puerto del Eden	PDEM	Guerrero,Mexico	17.4632N	100.7410W	1620	
Puerto del Gallo	PGOM	Guerrero,Mexico	17.4720N	100.1803W	2560	
Puerto Escondido	PEO	Oaxaca,Mexico	15.8512N	97.0555W	3	
Puerto Escondido	PEX	Oaxaca,Mexico	15.8620N	97.0612W		
Puerto Gaitan, Meta	PTGC	Colombia	4.1990N	72.1340W	170	From 2013-09-25
Puerto Galera	PGP	Mindoro,Philippines	13.5019N	120.9530E	375	From 1977-05-22
Puerto Jimenez	PUJ	Costa Rica	8.5333N	83.3478W	50	
Puerto Jim"nez	PTJ1	Costa Rica	8.5360N	83.3020W	10	
Puerto La Cruz	PCRV	Venezuela	10.1762N	64.6361W	450	
Puerto La Cruz	PLCV	Venezuela	10.1633N	64.5896W	251	
Puerto Leguizamo, Putumayo	PTLC	Colombia	0.1710N	74.7970W	240	From 2012-12-03
Puertollano	NE13	Spain	38.6850N	4.0910W	700	From 1983-05-01 to 2001-07-28
Puerto L^‡pez	PPLP	Ecuador	1.5451S	80.7750W	250	From 2012-10-25
Puerto Moin	MOIN	Costa Rica	9.9870N	83.0938W	29	
Puerto Montt	PMCH	Chile	41.4898S	72.8962W	36	
Puerto Natales	MG05	Magallanes	51.6784S	72.5032W	99	From 2015-02-19
Puerto Octay	LL04	Los Lagos	40.9097S	72.4082W	247	From 2015-02-17
Puerto Pe^–asco	PPXB	Baja California,Mexico	31.3355N	113.6330W	15	From 2007-12-31
Puerto Plata	PPDR	Dominican Republic	19.8053N	70.7243W	4	From 2010-01-01
Puerto Princesa	PPR	Palawan,Philippines	9.7761N	118.7300E	15	From 1972-01-01
Puerto Rico Seismic Network	PRSN	Puerto Rico	18.2171N	67.1447W	25	From 2015-07-01
Puerto Saavedra	PSCH	Cautin,Chile	38.7990S	73.3920W	85	From 2009-12-20
Puerto Saavedra	LC02	La Araucan^›a	38.7915S	73.3833W	67	From 2015-06-28
Puerto Suarez	BB08	Bolivia	18.9680S	57.8055W	116	From 2012-04-16
Puerto Villamil, Aeropuerto	PVIL	Galapagos,Ecuador	0.9463S	90.9542W	5	From 2012-10-08
Puerto Williams	MG01	Magallanes	54.9322S	67.6300W	57	From 2013-11-01
Puert Vallarta	PUVA	Jalisco,Mexico	20.6262N	105.2190W	0	From 2009-02-16
Puka	PUK	Albania	42.0427N	19.8928E	900	
Pukaskwa National Park	PNPO	Ontario,Canada	48.5957N	86.2846W	219	
Pukeiti	PKE	North Island,New Zealand	39.1939S	173.9867E	515	From 1993-12-14
Pukenui	PNHZ	North Island,New Zealand	39.9134S	176.1998E	616	From 2004-06-09
Puketiti	PUZ	North Island,New Zealand	38.0716S	178.2572E	430	From 1989-03-08
Pulasari	PULI	Jawa,Indonesia	6.3450S	105.9760E	1346	
Pulaski	T55A	Virginia,U.S.A.	37.1170N	80.7843W	644	From 2013-02-20
Pulaski	W48A	Tennessee,U.S.A.	35.1386N	86.9333W	260	From 2012-01-15
Pulaski	PUV	Virginia,U.S.A.	37.0257N	80.8158W	652	From 1978-01-01 to 2004-09-30
Pulau Batu	PBSI	Sumatera,Indonesia	0.0547S	98.2800E	0	From 2007-12-01
Pulau Pagai	PPSI	Sumatera,Indonesia	2.7630S	100.0096E	0	From 2007-12-01
Pulau-Weh	PWS	Sumatera,Indonesia	5.8333N	95.3000E		
Pulchoki	PKI	Nepal	27.5710N	85.4090E	2758	From 1978-11-01
Pulheim	PLH	Nordrhein-Westfalen,Germany	51.0040N	6.8195E	-300	From 1981-01-01
Puli Township	WPL	Taiwan region	24.0120N	120.9570E	190	From 2001-04-10
Pulkovo	PUL	Leningradskaya Oblast',Russia	59.7667N	30.3167E	65	
Pululahua	PULU	Ecuador	0.0218N	78.5022W	3114	From 2011-08-01
Pune	PUNE	Maharashtra,India	18.5296N	73.8491E	600	
Punghina	PUNG	Romania	44.2782N	22.9325E	131	From 2012-10-31
Pung Luong	NCV	Vietnam	21.6493N	104.2387E	1023	From 2009-01-01 to 2012-12-31
Puno	PUN	Peru	15.8750S	69.9961W	3860	
Punta Ardita, Choc^‡	PTAC	Colombia	7.1472N	77.8083W	78	From 2012-06-01
Punta Arenas	GO10	Magallanes,Chile	53.1546S	71.0498W	652	
Punta Arenas	PTA	Magallanes,Chile	53.1553S	70.9006W	10	
Punta Banda	PBX	Baja California,Mexico	31.7420N	116.7255W	400	From 1982-04-16
Punta Burica	PBC	Costa Rica	8.4437N	83.0708W	140	From 1985-01-01
Punta Burica Nicaragua	PBNC	Costa Rica	8.3714N	83.1271W	262	
Punta Cana	PUCA	Dominican Republic	18.5880N	68.4028W	0	
Punta Cana, DR	PCDR	Dominican Republic	18.5139N	68.3814W	6	From 2007-03-01
PUNTA DE LOS LLANOS	APLL	La Rioja,Argentina	30.3949S	66.5279W	725	From 1997-06-20
Punta Galera	PTGL	Ecuador	0.7815N	80.0304W	262	From 2008-12-04
Punta Lena	SL6*	Sicily,Italy	38.7733N	15.2147E		From 1966-04-01 to 1966-05-01
Punta Lucia	EPLC	Sicily,Italy	37.7620N	14.9860E	2930	From 1994-10-01

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Punta Patache	PATCX	Chile	20.8207S 70.1529W	832	From 2009-12-02
Puntarenas	PSVT	Costa Rica	8.8216N 82.9670W	987	
Punta Talca	PUT	Santiago,Chile	33.4187S 71.6964W	25	From 1975-01-01
Puntijarka	PTJ	Croatia	45.9070N 15.9680E	1023	
Pupakea	PUP	Hawaii,U.S.A.	21.6472N 158.0280W		From 1960-01-01 to 1965-12-31
Puquio	PP06	Peru	14.6955S 74.1235W	3200	
Purari	PUR	Papua New Guinea	6.9881S 145.0730E	300	From 1975-07-11
Purcari	PURM	Moldova	46.5293N 29.8723E	33	From 2013-11-26
Puriscal	PRS1	Costa Rica	9.9838N 84.3112W	1145	
Purkeypile	PPLA	Alaska,U.S.A.	62.8968N 152.1870W	1519	
Purple Mountain	YPM	Wyoming,U.S.A.	44.6572N 110.8687W	2582	
Purvis	PU-	Mississippi,U.S.A.	31.1519N 89.5489W	91	From 1965-02-26 to 1965-03-03
Purvis	PU-MS	Mississippi,U.S.A.	31.1519N 89.5489W	91	From 1965-02-26 to 1965-03-03
Pusan	PUS	Republic of Korea	35.1000N 129.0330E	71	
Pusma	PUSN	Nepal	28.8750N 81.2710E	1524	
Putnam	PUTN	New York,U.S.A.	41.3818N 73.8283W	170	
Puu Honuaula	PHO	Hawaii,U.S.A.	19.4817N 154.8900W	215	From 1970-04-01 to 2000-11-09
Puu Huluhulu	PHH	Hawaii,U.S.A.	19.3750N 155.2080W	1021	From 1969-07-01 to 1973-11-30
Puu Kaliu	PKL	Hawaii,U.S.A.	19.4580N 154.9210W	271	
Puu Kamoamoa	KMH	Hawaii,U.S.A.	19.3912N 155.1160W	750	
Puuokali	POK	Hawaii,U.S.A.	20.7333N 156.3887W	511	
Puu Pili	PPL	Hawaii,U.S.A.	19.1583N 155.4640W	35	
Puu Ulaula	PLL	Hawaii,U.S.A.	19.5333N 155.4610W	2992	
Puyallup School ANSS-SMO	PAYL	Washington,U.S.A.	47.1926N 122.3140W	9	From 2001-06-28
Puy-de-Dome	PDD	Auvergne,France	45.7667N 2.9667E	1450	
Puyloubier	PUYF	Provence-Cote d'Azur,France	43.5323N 5.7003E	460	
PUYLOUBIER	LEPF	Provence-Cote d'Azur,France	43.5230N 5.7020E	345	From 2007-08-13
Puyo	APUY	Ecuador	1.4591S 77.9956W	952	From 2012-07-13
Puyo, Santa Rosa	PUYO	Ecuador	1.4928S 78.0239W	1040	From 2012-06-28
Puysegur Point	PYZ	South Island,New Zealand	46.1663S 166.6807E	277	From 2007-05-01
Puysegur Point	PPZ	South Island,New Zealand	46.1406S 166.6270E	3	From 1972-04-06 to 1972-04-24
Puyuhuapi	AY01	Chile	44.4209S 72.6481W	8	From 2015-06-04
Puzi	WLGB	Taiwan region	23.4777N 120.2999E	16	From 2002-11-30
Pyatigorsk	PYA	Stavropol'skiy Kray,Russia	44.0333N 43.0583E	544	
Pyatigorsk	PYA1	Russia	44.0625N 43.0958E	614	From 2008-10-02
Pyeongchang	KSPYC	Republic of Korea	37.3713N 128.3906E	331	From 2007-12-12
Pylos	PYL2	Greece	36.9142N 21.6954E	4	From 2010-11-01
PYLOS	PYL	Greece	36.8955N 21.7420E	227	From 2006-02-01
Pyongyang	PYO	Democratic People's Republic of Korea	39.0333N 125.7500E	51	
Pyramid	PYR	California,U.S.A.	34.5680N 118.7410W	1247	
Pyrgos	PYR2	Greece	37.6671N 21.4506E	6	From 2010-11-01
PYRGOS	PYR3	Greece	37.6787N 21.4623E	56	From 2013-01-15
Pyrgos, Dorida, Greece	PYRG	Greece	38.4102N 22.0168E	595	From 2001-06-09
QAANAAQ INFRASONIC ARRAY REFERENCE POINT	I18DK	Greenland	77.4756N 69.2878W	88	From 2002-09-05
Qafa e Shtames	QSH	Albania	41.5216N 19.9050E	1100	
Qairoon Hariti	QHRO	Oman	17.2528N 54.0854E	790	From 1998-08-27
Qamsar	QAMS	Iran	33.7360N 51.3964E	2245	From 2015-06-06
Qangwa	QNG1	Botswana	19.5250S 21.2080E	1050	From 2001-01-01 to 2100-12-31
Qaraoun	QRWL	Lebanon	33.5477N 35.6822E	875	From 2011-10-01
Qassim	QASM	Saudi Arabia	26.0900N 43.5360E	675	From 1988-01-01
Qassioun	QASN	Syria	33.5328N 36.2761E	990	From 1994-12-01
Qatafi	QTFJ	Jordan	31.8230N 37.4800E	648	From 1990-03-05
Qatrana	QTRJ	Jordan	31.3000N 36.0100E	876	From 1988-02-20
Qazax, Azerbaijan	QZX	Azerbaijan	41.0580N 45.3720E	563	From 2010-01-19
Qibla Bandi	QIB	Pakistan	33.9007N 72.5925E	396	
Qikiqtaaluk Exploration Camp	QILN	Northwest Territories,Canada	66.6531N 86.3709W	115	
Qimei	VCHM	Taiwan region	23.2087N 119.4295E	60	From 2010-04-27
Qingdao	TSN	Shandong,China	36.0667N 120.3170E	70	
Qiongzhong	QIZ	Hainan Dao,China	19.0294N 109.8430E	230	
Qobustan	GBS	Azerbaijan	40.5350N 48.9420E	827	From 2011-04-06
Qom	IQOM	Iran	34.8424N 51.0703E	2270	From 1996-01-01
Qoradiz	QRD	Azerbaijan	39.4615N 47.3203E	300	From 2013-10-18
Qsaybeh	QSB	Lebanon	33.8710N 35.6443E	550	
Quabbin	QUA	Massachusetts,U.S.A.	42.4566N 72.3738W	201	From 1977-05-07 to 1999-01-31
Quadrado	QAD	Luzon,Philippines	15.0440N 120.3540E		
Quail	IP07	Virginia,U.S.A.	37.9185N 78.0296W	138	
Quail Lake	QAL	California,U.S.A.	34.7497N 118.7150W	1256	
Qualls	QUAR	Arkansas,U.S.A.	35.6439N 90.6491W	115	
Quanzhou	QZN	Fujian,China	24.9431N 118.5920E	21	From 1970-10-01
Quanzhou	QZH	Fujian,China	24.9431N 118.5920E	21	From 1970-10-01
Quarantoli, Mirandola (MO)	MIR08	Italy	44.9169N 11.0895E	14	From 2012-05-24
Quarry, Mount Saint Helens	B203	Washington,U.S.A.	46.1690N 122.3337W	595	
Quarto	QRI	Italy	40.8780N 14.1458E		
Quartz Hill	QHW	North Island,New Zealand	41.2503S 174.6907E	190	From 1985-09-27 to 1988-09-28
Quartzite Mountain	QM-NV	Nevada,U.S.A.	37.5631N 116.3178W	1878	
Quartz Mountain	QMO	Oklahoma,U.S.A.	34.8929N 99.3071W	479	From 1977-07-29 to 1980-12-31
Quartz Mountain State Park	QZO	Oklahoma,U.S.A.	34.9052N 99.3053W	488	
Quartz Range	QRZ	South Island,New Zealand	40.8255S 172.5292E	263	From 1990-04-26
Quattro Castella	QCI	Italy	43.8167N 11.2167E	120	
Quba	QUB	Azerbaijan	41.3800N 48.3600E	1000	From 1978-01-01 to 1998-01-01
Quba	KUB	Azerbaijan	41.3300N 48.5000E	980	From 1998-01-01
Quba, Azerbaijan	QUBA	Azerbaijan	41.3550N 48.4930E	645	From 2003-03-29
Qucahn	IQHU	Iran	37.0730N 58.5394E	1320	From 1997-03-01
Quebec	QCQ	Quebec,Canada	46.7789N 71.2758W	91	
Quebec	QCL	Quebec,Canada	46.7789N 71.2758W	91	
Quebec	QBC	Quebec,Canada	46.7789N 71.2758W	91	
Quebrada Arriba	QARV	Venezuela	10.2070N 70.5240W	578	From 2002-03-26
Quebradillas	QBPR	Puerto Rico	18.4772N 66.9388W	74	From 2013-07-01
Queen Anne	QAW	Washington,U.S.A.	47.6317N 122.3543W	140	
Queen Charlotte	QCC	British Columbia,Canada	53.2550N 132.0880W	3	
Queen City Summit	QCS	Nevada,U.S.A.	37.7574N 115.9409W	1899	From 1979-06-08 to 2002-10-10
Queen Creek	QC-	Arizona,U.S.A.	33.1842N 111.6340W	610	
Queen of Sheba Mine	QSM	California,U.S.A.	35.9650N 116.8682W	396	From 1978-11-28
Queensboro Lake	QLNY	New York,U.S.A.	41.3092N 74.0375W	238	
Queensbury	QMB	England,United Kingdom	53.7650N 1.8575W	116	From 1974-07-10 to 1979-11-15
Queens College	CUNY	New York,U.S.A.	40.7335N 73.8178W	20	
Queens East	JQE	Channel Islands,United Kingdom	49.2000N 2.0383W	58	
Queenstown	QTN	Tasmania,Australia	43.1000S 145.6000E		
Quello@15n	QLLN	Chile	43.1044S 73.6223W	129	
Quemado	X20A	New Mexico,U.S.A.	34.5421N 108.4980W	2057	From 2008-02-05 to 2009-11-24
Quentar	EQUE	Spain	37.2050N 3.4400W	1050	From 1995-04-15
Quepos	QCR1	Costa Rica	9.4253N 84.1678W	45	
Quepos	QPSR	Costa Rica	9.3919N 84.1239W	52	
Quepos	QPS	Costa Rica	9.4031N 84.1322W	83	From 1984-03-17
Quepos	QCR	Costa Rica	9.4241N 84.1653W	45	
Queretaro	QUIG	Queretaro de Arteaga,Mexico	20.7000N 100.2800W		
Quesada	EQES	Spain	37.8028N 3.0711W	1140	
Quesnel	QN-BC	British Columbia,Canada	52.9569N 122.3958W	610	From 1962-10-26 to 1962-10-27
Quesnel	QN-	British Columbia,Canada	52.9569N 122.3958W	610	From 1962-10-26 to 1962-10-27
Quetta	QUE	Pakistan	30.1883N 66.9500E	1721	From 1954-01-01
Quetta	QUET	Pakistan	30.2300N 66.9800E	1636	From 2007-11-10
Quetta	QTA	Pakistan	30.2106N 67.0189E	1900	From 2000-01-01 to 2010-12-30
Quevedo	QUEV	Ecuador	1.0420S 79.2975W	141	From 2012-05-11
Quevedo	AQUE	Ecuador	1.0481S 79.4912W	84	From 2010-08-05
Quezalapa	QZA	El Salvador	13.5239N 88.9969W	250	
Quezaltepeque	QZG	Guatemala	14.6363N 89.3840W	1798	From 1981-01-01
Quezon City	QCP	Luzon,Philippines	14.6370N 121.0770E	58	
Quezon City--PHIVOLCS	QVPH	Luzon,Philippines	14.6520N 121.0580E	45	
Quezon City--PHIVOLCS	QVP	Luzon,Philippines	14.6230N 121.0040E	15	From 1991-01-01
Quiabu	QUIN	Nicaragua	13.1250N 86.4167W	1605	
Quien Sabe	AN13*	California,U.S.A.	36.8337N 121.2130W	536	From 1969-05-29
Quien Sabe	HQRH	California,U.S.A.	36.8337N 121.2130W	536	From 1969-05-29
Quien Sabe Ranch	QSR	California,U.S.A.	36.8337N 121.2130W	536	From 1969-05-29
Quilcene	B013	Washington,U.S.A.	47.8130N 122.9108W	-87	
Quiliano	QLNO	Italy	44.3242N 8.3459E	547	From 2002-02-19
Quillagua	QUL	Antofagasta,Chile	21.6556S 69.5283W	800	
Quillayute Airport, Forks	C03A	Washington,U.S.A.	47.9475N 124.5662W	48	From 2005-10-20 to 2008-02-14
Quillmana	QUM	Peru	12.9550S 76.3867W	500	
Quilmana	PT02	Peru	12.9433S 76.4367W	500	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Quilotoa	QIL2	Ecuador	0.8689S	78.9167W	3923	From 2007-08-08
Quilotoa	QUIL	Ecuador	0.7569S	78.9252W	3430	From 1991-01-01
Quilotoa	QIL1	Ecuador	0.8453S	78.9338W	3340	From 1992-05-13
Quilpie	QLP	Queensland,Australia	26.5822S	144.2345E	210	From 1989-08-12
Quincy	D07A	Washington,U.S.A.	47.1936N	119.9732W	453	From 2006-08-30 to 2008-05-10
Quincy	O05C	California,U.S.A.	39.9620N	120.9176W	1032	From 2005-04-20 to 2007-11-20
Quinn	I27A	South Dakota,U.S.A.	44.0690N	102.0525W	867	From 2009-06-17 to 2011-05-08
Quinn River	QNR	Nevada,U.S.A.	41.6972N	117.9550W	1433	
Quinn River Valley	QRV	Nevada,U.S.A.	41.6972N	117.9550W	1433	From 1974-03-01 to 1975-08-31
Quinter	Q30A	Kansas,U.S.A.	38.9772N	100.2207W	797	From 2009-05-14 to 2011-03-20
Quinton	W37B	Oklahoma,U.S.A.	35.1390N	95.4316W	279	From 2011-01-28
Quinton	W37A	Oklahoma,U.S.A.	35.1380N	95.4269W	281	From 2010-04-23 to 2010-11-26
Quinzano	GRDQ	Italy	45.2984N	10.0336E	57	From 2011-03-15
Quistinic	QUIF	Bretagne,France	47.9167N	3.1656W	125	From 1996-04-03
Quititos	QITI	Ecuador	0.7858N	79.9995W	386	From 1992-04-28
Quititos 2	QIT2	Ecuador	0.7732N	80.0397W	284	
Quitman	454A	Georgia,U.S.A.	30.7145N	83.6302W	50	From 2012-02-12
Quitman	247A	Mississippi,U.S.A.	32.0530N	88.6102W	109	From 2011-04-09 to 2013-01-21
Quito	OAQ	Ecuador	0.2158S	78.4989W	2816	From 1978-03-01 to 1980-12-31
Quito	QTO	Ecuador	0.2084S	78.5322W	3270	From 1988-09-01 to 1991-12-30
Quito	QUI	Ecuador	0.2001S	78.5005W	2837	
Quito-Colegio Militar	COMIL	Ecuador	0.1962S	78.4895W	2804	From 2010-08-19
Qund	QUND	Ecuador	0.3168N	79.4807W	330	From 1994-04-01 to 1994-09-30
Qurayyt al Milh	QURS	Saudi Arabia	31.3860N	37.3240E	491	
Qusar	QSAR	Azerbaijan	41.5150N	48.2630E	638	From 2011-04-12
Qutrana	QUTJ	Jordan	31.2987N	36.0100E	876	From 1987-01-01
Qyzylaghash	KZAG	Kazakhstan	45.3710N	78.7220E	510	
Rabalanakaia	RAL	New Britain,Papua New Guinea	4.2203S	152.2020E	91	From 1967-01-01
Rabat	RBA	Morocco	34.0089N	6.8406W	39	From 1966-03-01
Rabat Centre	RTC	Morocco	33.9880N	6.8570W	110	
Rabat Zaers	RBZ	Morocco	33.9292N	6.8400W	116	From 1968-01-01 to 1977-12-31
Rabaul	RABL	Papua New Guinea	4.1911S	152.1637E	277	From 2009-04-01
Rabaul	RAB	New Britain,Papua New Guinea	4.1927S	152.1630E	185	From 1940-01-01
Rabaul (IGS)	ERB	New Britain,Papua New Guinea	4.1932S	152.1620E	180	
Rabbit Creek Array Site 1	RC01	Alaska,U.S.A.	61.0894N	149.7367W	374	
Rabinal	RDG	Guatemala	15.0075N	90.4718W	1930	From 1978-06-01
Rabkut	RBK	Oman	17.5035N	54.2039E	550	From 2001-07-01
Racchiusole (Umbertide) PG	AT05	Italy	43.2329N	12.2715E	494	From 2010-04-01
Rachaya	RCY	Lebanon	33.4965N	35.8357E	1370	From 2006-06-01
Rachel	S11A	Nevada,U.S.A.	37.6444N	115.7472W	1456	From 2007-01-23 to 2008-09-15
Racherla	RCLA	Andhra Pradesh,India	15.4568N	78.9551E	252	From 2009-11-07
Raciborz	RAC	Poland	50.0833N	18.1942E	209	
Rackout Springs	KRKM	California,U.S.A.	39.5628N	123.1820W	1280	
Radio Antilles	RSV	St Vincent,Saint Vincent and the Grenadines	13.3070N	61.2360W	8	From 1979-11-20
Radium Mtn., Paradox Valley	PV13	Colorado,U.S.A.	38.1589N	108.8203W	2158	
Raeford	W58A	North Carolina,U.S.A.	35.0208N	79.2333W	84	From 2013-03-23
Raffo Rosso	RAFF	Sicily,Italy	37.2225N	14.3624E	310	From 2005-12-22
Rafsanjan	RFDD	Iran	30.5200N	56.2600E	0	
RAFT	RAFT	Washington,U.S.A.	46.1957N	122.1863W	2132	
Rafter H Ranch, Green River	Q18A	Utah,U.S.A.	39.1025N	110.1328W	1295	From 2007-07-14 to 2009-03-09
Ragged Mountain	RAGM	Alaska,U.S.A.	60.3870N	144.6750W	739	From 1984-01-01
Ragged Mountain	RGD	Alaska,U.S.A.	60.2192N	144.5460W	610	
Rahkiv	RAKU	Ukraine	48.0259N	24.1663E	440	From 2004-07-01
Raibl	RBL	Italy	46.4417N	13.5683E	900	From 1978-02-06 to 1988-01-01
Railroad Flat South	MRFM	California,U.S.A.	38.2453N	120.5210W	799	From 1976-07-12
Rainbow Creek	VRC	Oregon,U.S.A.	42.3367N	122.2180W		From 1993-10-07
Rainbow Monument	RMU	Utah,U.S.A.	37.0760N	110.9700W	1536	
Rainbow Mountain	RBY	North Island,New Zealand	38.3194S	176.3880E	730	From 1984-01-03 to 1984-04-22
Rainelle	RN-WV	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainelle	RN-	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainier	RAIO	Washington,U.S.A.	46.0403N	122.8851W	11	
Rainier, OR	F04D	Oregon,U.S.A.	46.0829N	123.0108W	236	From 2009-11-14
Rainshed	RSD	Hawaii,U.S.A.	19.4630N	155.2780W	1270	
Rainy Point	RAEZ	North Island,New Zealand	39.2865S	174.3935E	326	From 1997-05-30 to 2010-02-23
Rajabasa	RBSI	Sumatera,Indonesia	5.8445S	105.7420E	0	From 2007-12-01
Rajamunda Odisha,India	RAJA	Orissa	21.4690N	85.1194E	143	From 2015-07-16
Rakaia	RACZ	South Island,New Zealand	43.7271S	172.1396E	86	From 2012-06-30
Rakhov	RAK	Ukraine	48.0550N	24.1980E	460	
Raleigh	RALT	Tennessee,U.S.A.	35.2060N	89.9410W	100	
Raluana Point	RPT	New Britain,Papua New Guinea	4.2952S	152.2160E	1	From 1972-01-01
Ramage Ranch	RAMR	California,U.S.A.	35.6360N	120.8698W	416	
Ramage Ranch, Paso Robles	V04C	California,U.S.A.	35.6360N	120.8699W	431	From 2004-06-07 to 2007-09-01
Ramah	W20A	New Mexico,U.S.A.	35.1259N	108.5001W	2110	From 2008-01-13 to 2010-02-07
Raman	RAM	Turkey	37.7658N	41.2925E	850	From 1964-01-01
Ramapo Mountain	RAMA	New Jersey,U.S.A.	41.0952N	74.1807W	247	From 1978-11-21
Ramban	RMBN	Jammu and Kashmir,India	33.2312N	75.2455E		
Ramesheh	IRAM	Iran	31.8088N	52.3815E	2000	From 2000-09-01
Ramhormoz	RMKL	Iran	30.9820N	49.8090E	176	From 2008-01-22
Ramite	RAMN	Nepal	26.9500N	86.6000E	2134	From 1994-04-01
Rammel Mountain	RAMW	Wyoming,U.S.A.	43.8890N	110.9500W	2512	From 1986-01-01
Rampart Ranch, Las Vegas	V24A	New Mexico,U.S.A.	35.7259N	105.2716W	2187	From 2008-06-03 to 2010-04-02
Rampur	RPR	Andhra Pradesh,India	18.8579N	79.2939E	162	From 2008-10-01
Rancho Bola	RANB	Spain	36.6328N	6.1384W	65	From 1993-04-01 to 2003-05-07
Rancho Dawling	RDX	Baja California,Mexico	31.9282N	115.9422W	1708	From 1989-09-29
Rancho Los Cerritos	LCL	California,U.S.A.	33.8333N	118.1920W	8	
Rancho Maria	CAMI	Ecuador	0.6767S	78.5047W	3630	From 2005-05-17
Rancho Maria	MARY	Ecuador	0.7337S	78.4867W	3700	From 1990-09-07
Rancho Navarro	GRNM	California,U.S.A.	39.1753N	123.5760W	73	
Rancho No Tengo, Wagon Mound	V25A	New Mexico,U.S.A.	35.8383N	104.6164W	1861	From 2008-05-17 to 2010-04-10
Rancho Palos Verdes	RPV	California,U.S.A.	33.7433N	118.4043W	64	From 1993-01-01
Rancho San Jose	RSJ	Baja California,Mexico	30.9733N	115.7450W	650	
Rancolfo	B001	Italy	43.2550N	12.4317E	494	From 2011-02-08
Randall Ranch, Ashland	T31A	Kansas,U.S.A.	37.0977N	99.6771W	564	From 2009-04-01 to 2011-03-11
Randle	E05A	Washington,U.S.A.	46.5605N	121.7608W	1481	From 2005-10-28 to 2008-02-11
Randolf College Riding Center, Lynchburg	RCRC	Virginia,U.S.A.	37.4320N	79.2718W	271	
Rand Water	RDWR	South Africa	26.2901S	28.0370E	1645	From 2010-01-01
Rangdo, Negare	RTBI	Bali,Indonesia	8.4597S	114.9420E	300	
Rangely	RGC	Colorado,U.S.A.	40.1042N	108.9270W	1610	From 1975-02-01
Rangipo	RGZ	North Island,New Zealand	39.1535S	175.8340E	820	From 1984-07-19 to 1989-03-31
Rangitukua	RATZ	North Island,New Zealand	38.8665S	175.7722E	653	From 1984-11-21
Rangndo	RANI	Bali,Indonesia	8.4525S	114.9490E	500	
Rangoon	RAN	Myanmar	16.8667N	96.1833E	14	
Rankasinga Odisha,India	RANK	Orissa	20.8877N	85.1402E	90	From 2015-07-14
Rankin Inlet	YRTN	Northwest Territories,Canada	62.8104N	92.1096W	23	
Ranney Well	RWW	Washington,U.S.A.	46.9639N	123.5433W	15	
Ranong	RNTT	Thailand	9.3904N	98.4778E	38	
Ransiki, Papua	RKPI	Irian Jaya,Indonesia	1.5107S	134.1773E	106	From 2008-12-01
Rantau Prapat	RPSI	Sumatera,Indonesia	2.6951N	98.9240E	0	From 2007-12-01
Ranyah	RNYS	Saudi Arabia	21.4267N	42.7662E		
Ranyah	RYNS	Saudi Arabia	21.3223N	42.8478E	974	
Raoul Island	RAO	Kermadec Islands,New Zealand	29.2517S	177.9180W	110	
Raoul Island	RIZ	Kermadec Islands,New Zealand	29.2449S	177.9289W	110	From 2009-06-01
Rapa Nui	RPN	Easter Island,Chile	27.1267S	109.3340W	110	From 1987-07-01
Rapidan	R58A	Virginia,U.S.A.	38.2989N	78.0034W	184	From 2013-04-17
Rapid City	RCD	South Dakota,U.S.A.	44.0750N	103.2080W	995	From 1943-01-01
Rapindik	RAP	New Britain,Papua New Guinea	4.2289S	152.1970E	3	From 1950-01-01 to 1958-12-31
Rarotonga	RAR	Cook Islands	21.2125S	159.7730W	28	From 1965-08-01
Rasa	RASA	Romania	44.2144N	27.1493E	50	From 2012-10-31
Ras Al Marh	MARH	Syria	34.0261N	36.4817E	2640	From 1994-12-01
RASCA	PRAR	Romania	47.3617N	26.2276E	451	From 2008-11-27
Ras En-Naqb	NAQJ	Jordan	30.0000N	35.5050E	1640	From 1990-03-15
Rasht - Gilan	RST1	Iran	37.2324N	49.6300E	12	From 2015-07-13
Raspberry Island	RAI	Alaska,U.S.A.	58.0605N	153.1590W	520	From 1975-10-01
Rassina, Castel Focognano (AR)	ARAS	Italy	43.6541N	11.8432E	326	From 2011-05-24 to 2011-09-30
Rata	RATI	Bali,Indonesia	8.7233S	115.5320E	400	
Rata Peaks	RPZ	South Island,New Zealand	43.7146S	171.0539E	403	From 2001-06-06
Rataul	RTUL	Uttar Pradesh,India	28.8322N	77.3418E	0	
Rath Farm, Roundup	E19A	Montana,U.S.A.	46.4611N	108.7860W	1059	From 2008-08-13 to 2010-06-06
Rathfarnham	DUB	Ireland	53.2986N	6.2825W	52	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rat Island	RAT	Alaska,U.S.A.	51.7991N	178.3300E	226	From 1970-10-14 to 1973-04-30
Raton	RT-NM	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Raton	RT-	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Rattlesnake Hills	RSW	Washington,U.S.A.	46.3945N	119.5913W	1045	From 1970-07-01
Rattlesnake Lake	RATT	Washington,U.S.A.	47.4255N	121.8025W	440	
Rattlesnake Mountain	RMW	Washington,U.S.A.	47.4597N	121.8050W	1024	
Rattlesnake Point	ORAM	California,U.S.A.	39.4687N	121.4130W	588	From 1975-08-05
Raukumara Range	RUGZ	North Island,New Zealand	37.9651S	177.6775E	1175	From 2011-05-19
RAUL	RAUL	Bolivia	19.2999S	60.7065W	335	From 1994-11-29 to 1995-02-02
Rauma	RAF	Finland	61.0230N	21.7640E	30	From 2005-10-31
Raurimu	RUZ	North Island,New Zealand	39.1252S	175.3380E	450	From 1990-08-14 to 1992-05-28
Rausu	JRA	Nemuro,Japan	43.9378N	145.1220E	10	
Rauvai	RUV	Tuamotu,French Polynesia	15.1889S	147.3840W	3	
Ravarino	RAVA	Italy	44.7559N	11.1188E	15	From 2003-11-10
Ravensbos	RSB	Netherlands	50.8883N	5.8325E	135	From 1970-02-01 to 1972-04-10
Ravensburg	RAV	Baden-Wurttemberg,Germany	47.7870N	9.6216E	460	From 1914-01-01 to 1994-09-30
Raver	RAW	Washington,U.S.A.	47.3372N	121.9314W	208	
Ravine Marchand	RMGF	Guadeloupe,France	16.0443N	61.6657W	1150	
Rawhide Mountain	RH-NV	Nevada,U.S.A.	38.2267N	116.3814W	1768	
Rawiri	RAGZ	North Island,New Zealand	38.4956S	177.4154E	889	From 2008-07-02
Rawlins	L21A	Wyoming,U.S.A.	41.9641N	107.3695W	2065	From 2007-10-31 to 2009-10-10
Rawlins	RWWY	Wyoming,U.S.A.	41.6889N	107.2102W	2402	From 2004-09-01
Raymond	B019	Washington,U.S.A.	46.6527N	123.6518W	9	
Raymond Alberta	RAYA	Alberta,Canada	49.3863N	112.6873W	1023	From 2010-07-09
Raywood Flat	RAY	California,U.S.A.	34.0363N	116.8110W	2342	
Razeghan	IRAZ	Iran	35.4046N	49.9290E	1950	From 1996-01-01
Razgrad	RAZG	Bulgaria	43.5662N	26.5079E	383	From 2012-11-20
Reactor, Bogot^¡	REAC	Colombia	4.6420N	74.0950W	2554	From 1996-01-19
Reagan Ranch, Oscar	Y34A	Oklahoma,U.S.A.	33.9574N	97.7573W	262	From 2009-11-07 to 2011-09-05
Reales	REAL	Spain	36.4840N	5.2078W	1452	
Reason Mountain	RMNB	California,U.S.A.	36.0009N	120.4777W	1091	
Reay	ORE	Scotland,United Kingdom	58.5480N	3.7622W	100	From 1995-09-21
Rebuntou	JRBN	Hokkaido,Japan	45.4234N	141.0650E	15	From 2013-07-01
Receiver Site	NYR	Nevada,U.S.A.	37.0553N	116.0920W	1279	From 1971-01-01 to 1973-01-31
Reche Mountain	RCH	California,U.S.A.	34.3073N	116.3500W	841	From 1979-04-01
Recreation Park	RCP2	California,U.S.A.	33.7777N	118.1330W	-85	From 1985-03-22
Recreo	REC	Guatemala	14.4375N	90.5227W	1500	From 1975-04-01
Rector	U43A	Arkansas,U.S.A.	36.3693N	90.4057W	96	From 2011-07-21 to 2013-03-15
Rector, Farmersville	RCTC	California,U.S.A.	36.3052N	119.2438W	107	From 1999-10-11
Red Bluff	O02C	California,U.S.A.	40.1767N	122.7883W	962	From 2005-07-20 to 2007-10-11
Red Boiling Springs	U49A	Tennessee,U.S.A.	36.5129N	85.7796W	234	From 2012-05-22
Red Bud	R43A	Illinois,U.S.A.	38.2760N	89.9308W	186	From 2011-08-03 to 2013-04-28
Red Butte Canyon	RBU	Utah,U.S.A.	40.7808N	111.8080W	1676	From 1974-06-01
Red Cone	RCO	Hawaii,U.S.A.	19.4060N	155.6298W	3601	
Red Cones	MRDM	California,U.S.A.	37.5978N	119.0587W	2657	
Reddig Ranch South, Frazer	B22A	Montana,U.S.A.	48.3008N	105.9964W	836	From 2008-09-14 to 2010-07-15
Redding Peak	LRDM	California,U.S.A.	40.4642N	121.4610W	859	From 1976-11-12
Red Dirt Ranch, Kanab	T15A	Utah,U.S.A.	37.0183N	112.3824W	1561	From 2007-02-14 to 2008-11-11
Red Dog Mine	RDOG	Alaska,U.S.A.	68.0547N	162.9049W	421	
Red Earth Creek	RDEA	Alberta,Canada	56.5513N	115.3179W	0	From 2011-06-08
Redenius Farm, Forest	J37A	Iowa,U.S.A.	43.3103N	93.5527W	385	From 2010-10-06 to 2012-09-10
Red Feather Lakes	N23A	Colorado,U.S.A.	40.8947N	105.9440W	2458	From 2008-07-05 to 2599-12-31
Redhead, NSW Australia	REDH	New South Wales,Australia	33.0197S	151.6975E	8	From 2011-01-01
Red Hill	RHT	Tennessee,U.S.A.	35.0781N	84.8825W	299	
Red Hills	RHJ	Jamaica	18.0707N	76.8540W	779	From 1993-11-01
Redig	RG-SD	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Redig	RG-	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Red Ives Forest Station, Avery	D12A	Idaho,U.S.A.	47.0528N	115.3525W	1135	From 2006-11-08 to 2009-07-21
Red Lake	RSON	Ontario,Canada	50.8589N	93.7022W	335	From 1982-01-01 to 1990-10-01
Red Lake	RK-ON	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RK-	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RDLO	Ontario,Canada	50.9745N	93.9124W	390	
Red Lake	RLKO	Ontario,Canada	51.0704N	93.7585W	362	From 2004-11-19
Red Lodge	YPRL	Montana,U.S.A.	45.1617N	109.3017W	1951	
Red Lodge	RLMT	Montana,U.S.A.	45.1221N	109.2673W	2086	From 2006-09-12
Red Mountain	KRMM	California,U.S.A.	41.5221N	123.9063W	1247	
Red Mountain	RDMU	Utah,U.S.A.	40.5708N	109.5695W	2087	From 2009-12-02
Red Mountain	REDWA	Washington,U.S.A.	46.2987N	119.4383W	366	
Red Mountain	KRMB	California,U.S.A.	41.5230N	123.9080W	1265	
Redondo Peak	REDP	New Mexico,U.S.A.	35.8711N	106.5630W	3417	From 1977-10-01
Redoubt	RDT	Alaska,U.S.A.	60.5738N	152.4060W	930	From 1971-08-09
Redoubt East 2	RDDR	Alaska,U.S.A.	60.5849N	152.5863W	905	
Redoubt East Flank	REF	Alaska,U.S.A.	60.4892N	152.7020W	1801	From 1990-03-14
Redoubt Jeurgen	RDJH	Alaska,U.S.A.	60.5911N	152.8036W	1414	
Redoubt North	RDN	Alaska,U.S.A.	60.5138N	152.7630W	1372	From 1988-01-01
Redoubt South	RDSO	Alaska,U.S.A.	60.4542N	152.7430W	1557	
Redoubt South	RSO	Alaska,U.S.A.	60.4622N	152.7540W	1921	From 1990-03-01
Redoubt South 1	RS1	Alaska,U.S.A.	60.4602N	152.7580W	1864	From 1990-09-10
Redoubt South 2	RS2	Alaska,U.S.A.	60.4630N	152.7573W	1953	From 1990-09-10
Redoubt Volcano	RED	Alaska,U.S.A.	60.4189N	152.7720W	1067	From 1974-01-01
Redoubt Vol. East	RDE	Alaska,U.S.A.	60.5869N	152.5925W	564	
Redoubt West	RDW	Alaska,U.S.A.	60.4827N	152.8100W	1813	From 1990-09-07
Redoubt West	RDWB	Alaska,U.S.A.	60.4881N	152.8402W	1546	
Red Ridge	RRI	Idaho,U.S.A.	43.3630N	111.3380W	2408	From 1985-07-20 to 1986-07-02
Red Ridge	RRI2	Idaho,U.S.A.	43.3474N	111.3201W	2558	From 1986-07-02
Red Rock Canyon	RRO	Oklahoma,U.S.A.	35.4569N	98.3584W	482	From 1978-08-09
Red Rock Canyon	MRCM	California,U.S.A.	37.6737N	118.5071W	2023	From 1986-07-23
Red Spur Mountain	RSUT	Utah,U.S.A.	41.6385N	111.4150W	2682	From 1979-10-01
Redstone	A23A	Montana,U.S.A.	48.9592N	104.8786W	665	From 2008-09-10 to 2010-07-14
Red Top Meadow	REDW	Wyoming,U.S.A.	43.3624N	110.8520W	2192	From 1986-01-01
Redvale	R20A	Colorado,U.S.A.	38.1888N	108.3792W	2003	From 2008-01-05 to 2010-02-07
Redwood Retreat	JRRM	California,U.S.A.	37.0545N	121.7270W	408	From 1976-01-09
Reed	REKY	Kentucky,U.S.A.	37.8520N	87.3280W	0	
Reed City	I46A	Michigan,U.S.A.	43.9411N	85.4472W	359	From 2012-11-05
Reedsville	P55A	West Virginia,U.S.A.	39.5078N	79.8265W	551	From 2012-12-14
Reedy Creek 5	WRCQ	Queensland,Australia	27.1874S	152.6631E		From 1984-07-11
Rees Ranch, Coalville	N16A	Utah,U.S.A.	40.8869N	111.4370W	2028	From 2007-07-10 to 2009-04-07
Refahiye_ERZ~NCAN	REFA	Turkey	39.3960N	38.7651E	1594	From 2010-10-27
Reffroy	RFYF	Champagne-Ardenne,France	48.6289N	5.4741E	330	From 2002-08-20
Refrontolo, Italy	MREF	Italy	45.9249N	12.2117E	268	From 2010-06-08
Refugio	RETU	Ecuador	1.4512S	78.4460W	4050	From 1994-12-02
Refugio Cayambe	CAYR	Ecuador	0.0153N	78.0066W	4868	
Refugio Guagua Pichincha	GGP	Ecuador	0.1743S	78.5947W	4420	From 1988-09-30
Regan	D28A	North Dakota,U.S.A.	47.1929N	100.5692W	621	From 2009-08-04 to 2011-06-29
Regar	REG*	Tajikistan	38.5000N	68.2333E		
Regar	RGR	Tajikistan	38.5000N	68.2333E		
Reggio Calabria	MRCB	Italy	38.1620N	15.7030E	500	From 1993-12-01
Reggio Calabria	RCI	Italy	38.1056N	15.6433E	29	
Reggio Calabria	CRCA	Italy	38.1120N	15.6470E	30	From 2008-01-02
Region of Thessaloniki	PRF2	Greece	40.5927N	22.9556E	30	From 2010-08-01
Reichold	RHA	Alabama,U.S.A.	33.2417N	87.4660W	83	From 1971-01-09
Reidovoe	REI	Sakhalinskaya Oblast',Russia	45.2667N	148.0167E		
Reims	RMSF	Champagne-Ardenne,France	49.2820N	4.0210E	110	From 2008-01-01
Rein	RISI	Italy	46.9480N	12.0787E	1785	From 2006-12-13
Reinach, Rainenweg	SRER	Switzerland	47.5116N	7.5979E	343	From 2011-04-01
Reinach, Reinacherhof	SRNR	Switzerland	47.5111N	7.6034E	341	From 1997-08-07
Reindeer	RND	Alaska,U.S.A.	63.4062N	148.8530W	991	From 1986-01-01
Reinke Road, Clintonville	WI02	Wisconsin,U.S.A.	44.5961N	88.7696W	260	
Rekieta Farm, Paducah	Y31A	Texas,U.S.A.	33.9620N	100.2615W	530	From 2009-03-16 to 2011-02-12
Reko	RKS	Solomon Islands,Papua New Guinea	9.1564S	159.8080E		
Relizane	RLA	Algeria	35.5833N	0.5833E	180	
Relizane	REL	Algeria	35.7500N	0.5500E	75	From 1955-01-01 to 1961-12-31
Rembrandt	REMW	Washington,U.S.A.	46.1992N	122.1840W	2102	From 1987-01-01
Remer	D35A	Minnesota,U.S.A.	47.0810N	94.0529W	427	From 2010-08-27 to 2012-07-30
Remote	RON	Alaska,U.S.A.	62.6912N	150.2040W	470	From 1971-08-01 to 1974-10-31
Remote	REM	Alaska,U.S.A.	65.9550N	164.5780W	300	
Remsen	J58A	New York,U.S.A.	43.3603N	75.2852W	436	From 2013-08-27
Renai	CHGB	Taiwan region	24.0602N	121.1740E	1850	From 2005-08-02
Renai	OWD	Taiwan region	23.9545N	121.1759E	1263	From 2011-12-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Renca	MT05	Metropolitana	33.3919S	70.7381W	765	From 2013-10-21
Renegade Can. W	WRCM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Renegade Canyon West	RCWM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Rengat	RGRI	Sumatera,Indonesia	0.3491S	102.3338E	41	From 2005-01-01
Renmark High School	AURMK	South Australia,Australia	34.1700S	140.7400E	26	From 2013-08-11
Rennes	RENF	Bretagne,France	48.1190N	1.6350W	40	
Reno	REN	Nevada,U.S.A.	39.5400N	119.8130W	1383	From 1911-01-01 to 1975-02-28
Reno Superiore	RSP	Italy	45.1482N	7.2653E	1285	From 1986-01-01
Rentapao	RTV	Vanuatu	17.7925S	168.4250E		
Renzetti	ATRE	Italy	43.5461N	12.2639E	462	From 2013-09-17
Repton	349A	Alabama,U.S.A.	31.3504N	87.1924W	88	From 2012-01-20
Repubblica di San Marino	RSM	San Marino	43.9303N	12.4497E	645	From 1988-01-01
Republican Road	RRRZ	North Island,New Zealand	38.3390S	176.5146E	493	From 2007-12-10
Resadiye-TOKAT	RSDY	Turkey	40.3972N	37.3273E	550	From 2007-06-13
Research School of Earth Sciences	AUSIS	Australian Capital Territory,Australia	35.2800S	149.1100E	585	From 2011-05-04
Reservoir Flats	RFM	Montana,U.S.A.	46.1047N	112.4870W	2353	From 1984-01-01 to 1987-11-13
Resinera	RESI	Spain	36.8732N	3.0700W	1322	
Resolute Bay	RES	Northwest Territories,Canada	74.6867N	94.9000W	15	
Restoule Provincial Park	RSPO	Ontario,Canada	46.0734N	79.7602W	264	
Resuttano	RESU	Italy	37.6468N	14.0568E	785	From 2008-02-25
Retamim	RTMI	Israel	31.0545N	34.6912E	261	From 2006-09-04
Retamin	RTMM	Israel	31.0510N	34.6863E	255	
Rethem/Aller, Germany	RETH	Niedersachsen,Germany	52.7380N	9.3610E	-145	From 2012-06-01
Rethymnon	RTH1	Crete,Greece	35.3653N	24.4717E	35	From 2010-10-01
Retiro	CHUE	Maule,Chile	36.0897S	71.7983W	161	
Reunion Island	REU	Reunion,France	21.1950S	55.5772E	1550	From 1968-05-03
Reutte	RETA	Austria	47.4871N	10.7623E	965	From 2006-12-13
Reveille Range	RVE	Nevada,U.S.A.	38.0197N	116.1920W	2290	From 1979-06-08 to 1981-12-31
Revenden	U42A	Arkansas,U.S.A.	36.3514N	91.2383W	119	From 2011-06-21 to 2013-03-13
Reventador Sur	REVS	Ecuador	0.1053S	77.6201W	2000	From 2013-03-13
Reventador volcano	EPALM	Ecuador	0.2133S	77.7292W	1761	From 2002-11-21
Revere	REVF	Provence-Cote d'Azur,France	43.7400N	7.3675E	700	
Reverse DX Ranch, Oshkosh	M27A	Nebraska,U.S.A.	41.5281N	102.3872W	1147	From 2008-12-05 to 2010-10-10
Revivim	REVI	Israel	31.0405N	34.7200E	273	From 2010-06-16
Revivim	RVVM	Israel	31.0410N	34.7210E	200	
Rev-Rev Volc	REVE	Ecuador	0.0420S	77.5235W	1440	From 2002-04-04 to 2003-04-01
REWA	REW	Madhya Pradesh,India	24.5658N	81.3354E	280	From 2000-06-04
Rexburg	REX	Idaho,U.S.A.	43.8125N	111.7830W	1532	From 1972-04-20
Rexford	RXF	Montana,U.S.A.	48.8648N	115.1240W	1231	From 1976-10-01 to 2004-03-11
Reyes Peak	RYS	California,U.S.A.	34.6433N	119.3510W	1841	From 1976-06-01
Reyhanli	REYT	Turkey	36.2500N	36.6000E	230	From 1998-03-01
Reykjanes	IRNE	Iceland	63.8168N	22.7056W	19	From 2008-06-19
Reykjavik	REY	Iceland	64.1278N	21.9050W	44	
Reynihlio	IREN	Iceland	65.6470N	16.9060W	338	From 1996-11-03
Rhampton Hrock	RK1	Queensland,Australia	23.3886S	150.4938E	87	
Rhampton Srock	RK2	Queensland,Australia	23.3825S	150.5248E	40	
Rheinberg	BRHE	Nordrhein-Westfalen,Germany	51.5155N	6.5710E	24	From 2004-12-01
Rheinpreussen Mine	RPM	Nordrhein-Westfalen,Germany	51.4723N	6.6343E	-412	
Rhenigidale	RRH	Scotland,United Kingdom	57.9197N	6.6882W	103	From 1995-09-10
Rhiw	YRH	Wales,United Kingdom	52.8335N	4.6290W	300	From 1984-01-01
Rhoboro Hills	RHP	South Island,New Zealand	44.0991S	170.0839E	899	From 1978-04-24 to 1983-11-21
Rhodes	RHO	Greece	36.4372N	28.2236E	45	From 1965-11-18 to 1966-04-04
Rhodes College	RDST	Tennessee,U.S.A.	35.1578N	89.9886W	79	
Rhodes Hospital	RPN1	Greece	36.4486N	28.2180E	14	From 2012-08-01
Rhodes Town Hall	RDI1	Greece	36.4514N	28.2240E	6	From 2012-08-01
Rhoscolyn	YRC	Wales,United Kingdom	53.2506N	4.5741W	24	From 1984-01-01
RHT01	RHT01	Saudi Arabia	24.2734N	39.8051E	987	
RHT02	RHT02	Saudi Arabia	24.4842N	40.0862E	785	
RHT03	RHT03	Saudi Arabia	24.2471N	40.1718E	815	
RHT04	RHT04	Saudi Arabia	23.9930N	39.8780E	1130	
RHT05	RHT05	Saudi Arabia	23.9090N	39.1610E	544	
RHT06	RHT06	Saudi Arabia	24.3765N	39.1923E	787	
RHT07	RHT07	Saudi Arabia	24.6658N	39.0403E	799	
RHT08	RHT08	Saudi Arabia	24.7095N	39.5433E	781	
RHT09	RHT09	Saudi Arabia	24.7845N	39.9147E	1049	
RHT10	RHT10	Saudi Arabia	24.5800N	39.9030E	868	
RHT11	RHT11	Saudi Arabia	24.9160N	39.6910E	1071	
RHT13	RHT13	Saudi Arabia	24.2080N	39.3650E	939	
RHT14	RHT14	Saudi Arabia	24.3860N	39.7570E	820	
RHT15	RHT15	Saudi Arabia	24.1730N	39.8390E	1037	
RHT16	RHT16	Saudi Arabia	23.4706N	40.1735E	1136	
RHWAS	RHWAS	Saudi Arabia	19.0708N	44.0707E	1327	
Riachuelo	RCBR	Rio Grande do Norte,Brazil	5.8275S	35.9014W	420	
Riallon	OG20	Provence-Cote d'Azur,France	44.6133N	6.3312E	1570	From 1989-01-17
Ribeira Ch	PRCH	Azores,Portugal	37.7280N	25.4800W	225	From 2003-01-01
Ribeira da Areia	RIA	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira da Areia	RIA0	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeirinha	PID	Azores,Portugal	38.4422N	28.1192W	450	
Ribeirinha	RIB2	Azores,Portugal	38.6715N	27.1731W	387	From 1983-10-01
Ribeirinha	RIB	Azores,Portugal	37.7995N	25.4611W	526	
Riberalta	RTA	Bolivia	11.0067S	66.0783W	175	
Rib Lake	RL-WS	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	RL-	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	G40A	Wisconsin,U.S.A.	45.2684N	90.2006W	472	From 2011-08-19 to 2013-11-27
Rice	B09A	Washington,U.S.A.	48.4226N	118.1488W	630	From 2006-09-01 to 2008-06-13
Rice Lake	RLW	Wisconsin,U.S.A.	45.6597N	91.5594W		
Riceville	RCT	Tennessee,U.S.A.	35.3453N	84.6614W	265	
Richard P. Wilkes	ARWM	California,U.S.A.	38.9563N	121.1620W	320	From 1976-01-29
Richfield	PEUT	Utah,U.S.A.	38.7759N	112.0886W	1644	From 2008-05-28
Richland	RCW	Washington,U.S.A.	46.3472N	119.2740W	390	
Richland Balsam	RBNC	North Carolina,U.S.A.	35.3570N	82.9860W	1829	From 1982-05-26
Richland Creek Farm, El Dorado	Z41A	Arkansas,U.S.A.	33.2577N	92.8030W	62	From 2011-03-10
Richland Springs	333A	Texas,U.S.A.	31.3249N	98.9841W	443	From 2009-11-13 to 2011-10-02
Richmond	S50A	Kentucky,U.S.A.	37.6790N	84.4003W	300	From 2012-06-05
Richmond	LRN	England,United Kingdom	54.4167N	1.7858W	300	From 1991-01-01
Richmond	RIC	Florida,U.S.A.	25.6167N	80.4167W		
Richmond Field	RFSB	California,U.S.A.	37.9161N	122.3361W	-118	
Richmond Hill, Kingstown, St. Vincent	SVOC	St Vincent	13.1534N	61.2212W	30	From 2014-10-18
Richmond-San Rafael Bridge	RSRB	California,U.S.A.	37.9357N	122.4465W	-157	
Rich Mountain	RICH	North Carolina,U.S.A.	35.9195N	82.8187W	968	From 1983-06-19 to 2008-02-13
Richton	RI-MS	Mississippi,U.S.A.	31.1978N	88.8508W	37	
Richville	H57A	New York,U.S.A.	44.4624N	75.3905W	132	From 2013-08-25
Ricice	RICI	Croatia	43.4944N	17.1330E	431	From 2009-04-21
Rickey Ranch	ARRM	California,U.S.A.	38.7653N	121.1720W	127	From 1976-12-02
Ridgeland	G38A	Wisconsin,U.S.A.	45.1693N	91.8549W	370	From 2011-08-14 to 2013-06-06
Ridgley Place, Grand Junction	Q20A	Colorado,U.S.A.	38.9541N	108.2956W	1716	From 2007-11-30 to 2010-02-07
Ridgway	RW3	Colorado,U.S.A.	38.2502N	107.6870W	2603	From 1983-01-01
Ridgway	M55A	Pennsylvania,U.S.A.	41.4686N	78.7649W	531	From 2013-01-26
Ridgway	RW6	Colorado,U.S.A.	38.2023N	107.9340W	3063	From 1983-01-01
Ridgway	RW4	Colorado,U.S.A.	38.1568N	107.6160W	2739	From 1983-01-01
Ridgway	RW5	Colorado,U.S.A.	38.0800N	107.8320W	2991	From 1983-01-01
Ridgway	RW1	Colorado,U.S.A.	38.2587N	107.7890W	2443	From 1983-01-01
Ridgway	RW2	Colorado,U.S.A.	38.3080N	107.7270W	2405	From 1983-01-01
Ridotti (Balsorano, AQ)	T0205	Italy	41.7954N	13.6045E	690	From 2009-10-08 to 2010-01-14
Riehen 2 (BS)	RIEH2	Switzerland	47.5936N	7.6581E	-642	From 2006-10-01 to 2007-07-12
Riehen-Baumlih	SRHB	Switzerland	47.5713N	7.6244E	260	From 1996-12-13
Riehen, Erlenstr?sschen, BS	SRHE	Switzerland	47.5856N	7.6494E	281	From 2013-11-01
Riehen, Zur Hoffnung, BS	SRHH	Switzerland	47.5798N	7.6538E	323	From 2013-11-01
Riekki	KU6	Finland	66.0255N	29.8907E	275	From 2006-10-06
Riesel	336A	Texas,U.S.A.	31.3870N	96.8443W	140	From 2010-02-17 to 2011-12-18
Rifaina	RIFB	Sao Paulo,Brazil	20.0737S	47.5019W	860	From 1993-01-01
Rifugio Sapienza	ERSA	Sicily,Italy	37.6987N	14.9943E	1880	From 1994-10-01
Right Bank House--Pihur	RBH	Pakistan	34.0705N	72.6705E	364	
Rignano Grg	RGNG	Italy	41.6742N	15.5864E	587	
Rihia Road	RITZ	North Island,New Zealand	38.9771S	175.8585E	525	From 2003-04-04
Riito	RII	Baja California,Mexico	32.1640N	114.9603W	15	From 1977-02-01
Rijeka	RIY	Croatia	45.3250N	14.4830E	190	From 1989-05-04
Rikitea	RKT	Gambier Islands,France	23.1197S	134.9733W	50	
Rilland Hill	SRH	St Vincent,Saint Vincent and the Grenadines	13.1860N	61.2540W	274	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rim	RIM	Hawaii,U.S.A.	19.3953N	155.2740W	1128	From 1973-05-01
Rimouski	RIMQ	Quebec,Canada	48.4400N	68.4800W	129	From 1984-08-22
Rimrock	RMR	California,U.S.A.	34.2128N	116.5750W	1702	
Rimuhau	RIGZ	North Island,New Zealand	38.7058S	177.7622E	563	From 2009-01-01
Rincon	RIOS	Costa Rica	8.7005N	83.5144W	102	
Rinconada Maipu	RCDM	Santiago,Chile	33.4892S	70.8064W	487	
Rincon, Puerto Rico	ROPR	Puerto Rico	18.3400N	67.2500W	11	From 2015-01-01
Riobamba	ARIO	Ecuador	1.6549S	78.6976W	2890	From 2011-06-14
Riobamba	RIOE1	Ecuador	1.7482S	78.6274W	2733	From 2006-01-20
Riobamba	RIOE	Ecuador	1.7525S	78.6308W	2733	From 2007-01-01
Rioblanco	SOTA	Colombia	2.1350N	76.6080W	3795	
Rio Blanco	RBC	Colorado,U.S.A.	39.8425N	108.3920W	1996	From 1973-01-01 to 1973-12-31
Rio Branco	RIOB	Acre,Brazil	10.1501S	67.7470W	220	
Rio Carpintero	RCC	Cuba	19.9942N	75.6958W	100	From 1965-07-25
Rio Claro- Sao Paulo-Brazil	RCLB	Sao Paulo,Brazil	22.4191S	47.5310W	658	From 2002-08-31
Rio de Janeiro	RDJ	Rio de Janeiro,Brazil	22.8950S	43.2233W	29	
Rio Formoso - PE	NBRF	Pernambuco,Brazil	8.6795S	35.1272W	56	From 2011-08-02
Rio Frio	RIFO	Costa Rica	10.3172N	83.9228W	139	
Rio Frio	RFVM	Mexico D.F.,Mexico	19.3332N	98.7617W	3105	
Rio Grande	RIOV	Venezuela	8.0690N	61.8140W	279	From 2002-11-06
Rio Grant	RIO	New Mexico,U.S.A.	35.7547N	106.1760W	2073	From 1975-02-21 to 1976-09-17
Rio Hardy	RHM	Sonora,Mexico	32.1422N	115.2860W	10	From 1969-02-16
Riolos of Patras	RLS	Greece	38.0578N	21.4667E	100	From 1976-07-15
Rio Macho	RMCR	Costa Rica	9.7845N	83.8572W	1420	
Rionero Sannitico	RNI2	Italy	41.7025N	14.1525E	970	
Rio Patras	PAT5	Greece	38.2960N	21.7350E	40	From 2011-09-01
Rio Piedras	ERIP	Spain	37.3729N	7.2551W	82	From 1995-11-22
Rio Saliceto (MN)	T0826	Italy	44.8394N	10.8113E	12	From 2012-05-29 to 2012-08-09
Rio Tinto	TINT	Spain	37.7667N	6.6333W		
Riou	RIU	Alaska,U.S.A.	59.8783N	141.2280W	15	
Rio Verde	RVRD	Ecuador	1.0676N	79.3851W	47	From 2008-11-28
Rio Verde do Mato Grosso - MS	RVMB	Mato Grosso,Brazil	19.1912S	54.8532W	506	From 2011-09-24
Rio Vista Mine	RVM	California,U.S.A.	34.1803N	114.2000W	243	From 1977-05-01
Risco	RSCM	Missouri,U.S.A.	36.5679N	89.7731W	82	
Rishiri	JRR	Soya,Japan	45.1378N	141.3112E	27	
Rising Star	233A	Texas,U.S.A.	32.0179N	98.8998W	539	From 2009-11-18 to 2011-10-01
Rita Coyotepec	IIC	Mexico D.F.,Mexico	19.7670N	99.2580W	2725	
Rita Site, White Sands Missle Range	Z23A	New Mexico,U.S.A.	33.2621N	106.2319W	1278	From 2008-05-14 to 2010-01-19
Riverhead Borehole	RVAZ	North Island,New Zealand	36.7700S	174.5792E	-191	From 2008-04-01
Riveris	RIVT	Rheinland-Pfalz,Germany	49.7082N	6.7653E	269	
River Road, Clintonville	WI04	Wisconsin,U.S.A.	44.6331N	88.7867W	247	
Riverside	RVR	California,U.S.A.	33.9933N	117.3750W	260	From 1926-10-19
Riverside	RVUT	Utah,U.S.A.	41.8383N	112.2590W	1951	From 1979-09-01 to 1980-10-31
Riverside Borehole	RSBC	California,U.S.A.	33.9731N	117.3272W	297	
Riverside Mountains	RVS	California,U.S.A.	34.0347N	114.5180W	677	From 1974-04-01
Riverview	RIV	New South Wales,Australia	33.8294S	151.1580E	25	From 1909-01-01
Riviere de l'Est	RER	Reunion,France	21.1590S	55.7460E	834	From 1986-02-10
Riviere-du-Loop	RDLQ	Quebec,Canada	47.8400N	69.5400W	55	From 1980-08-19
Riviere Ouelle	A16	Quebec,Canada	47.4706N	70.0064W	15	From 1977-08-30
Riviere-Ouelle	ROUQ	Quebec,Canada	47.4800N	70.0000W	26	From 1984-08-28
Rivodutri	URVD	Italy	42.4953N	12.8470E	379	From 2010-09-10
Riyadh	RYDS	Saudi Arabia	24.1900N	46.6400E	594	From 2001-06-25
Riyadh	RYD	Saudi Arabia	24.7200N	46.6100E	649	From 1986-01-01
Rjupnafell	IRJU	Iceland	63.6174N	18.6721W	173	From 2010-12-16
RKJ Ranch, Bemidji	C34A	Minnesota,U.S.A.	47.6501N	94.9106W	441	From 2010-10-20 to 2012-07-29
Roach Canyon	PRCM	California,U.S.A.	36.2562N	120.6200W	623	
Roan Cliffs	ROA	Utah,U.S.A.	39.6615N	110.3647W	2962	
Robe	ROBE	South Australia,Australia	37.1471S	139.8742E	10	From 2012-12-11
Robert and Kassanda Mosher, Grygla	B33A	Minnesota,U.S.A.	48.2722N	95.5880W	362	From 2010-10-22 to 2012-06-09
Robert W. Jensen	ARJM	California,U.S.A.	38.6865N	120.9560W	460	From 1976-12-02
Robesonia	O59A	Pennsylvania,U.S.A.	40.3114N	76.1859W	334	From 2013-04-28
Robets Cordova Ranch, Walsenberg	S25A	Colorado,U.S.A.	37.6606N	104.4349W	1821	From 2008-06-12 to 2010-04-18
Robic@19	ROBS	Slovenia	46.2445N	13.5094E	265	
ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	I18DP	Juan Fernandez Islands,Chile	33.6538S	78.7960W	388	From 2004-04-24
Robinson Place, Fruitland	O17A	Utah,U.S.A.	40.1948N	110.7378W	2079	From 2007-08-15 to 2009-04-10
Robledal	RBDL	El Salvador	14.1130N	89.6865W	1431	
Robourent	ROB	Italy	44.2958N	7.8863E	810	From 1967-01-01
Rob Roy	ROYM	Victoria,Australia	37.6399S	145.2885E	180	
Roby	131A	Texas,U.S.A.	32.6737N	100.3888W	622	From 2009-03-14 to 2011-02-09
Rocca di Cave	RCAV	Italia	41.8473N	12.9453E	940	From 2014-12-11
Rocca di Mezzo	RM04	Italy	42.1885N	13.4515E	1109	From 2009-04-06 to 2009-04-22
Rocca di Papa	RDP	Italy	41.7583N	12.7167E	760	From 1983-01-01
Roccamonfina	RFI	Italy	41.3006N	13.9847E	780	From 1988-05-01
Rocca Remolon	RRL	Italy	44.9208N	6.7908E	2130	From 1985-01-01
Roccaromana	RMI2	Italy	41.2528N	14.2636E	702	
Rocca Rossa	RORO	Italy	44.1122N	8.0662E	260	From 1998-07-01
Rocca San Felice	RSF3	Italy	40.9643N	15.1760E	865	
Roccetta Nervino	RONM	Italy	43.8763N	7.5982E	300	From 2001-01-01
Rocchetta Sant'Antonio	RSA3	Italy	41.0877N	15.4425E	531	
Rocchetta Tanaro	ROTM	Italy	44.8493N	8.3527E	221	From 2001-01-01
Rocchetta Volt	RVI2	Italy	41.6219N	14.0214E	990	
Rochefort	RCHB	Belgium	50.1560N	5.2280E	161	From 2000-01-01
Rochester	ROC	New York,U.S.A.	43.1245N	77.5923W	155	From 1959-02-13
Rochester High School	RRHS	Washington,U.S.A.	46.7996N	123.0404W	47	
Rochester Mine, Lovelock	O08A	Nevada,U.S.A.	40.2903N	118.1550W	2137	From 2006-02-23 to 2008-03-06
Rochester (NY)	RMO	New York,U.S.A.	43.1317N	77.5386W	141	From 1968-03-22 to 1971-09-30
Rochford	I25A	South Dakota,U.S.A.	44.0196N	103.7324W	1856	From 2009-06-08 to 2011-05-28
Rock Avalanche	RKAV	Alaska,U.S.A.	60.2998N	141.3458W	1647	
Rock City	RCG	Georgia,U.S.A.	34.9750N	85.3480W	468	From 1981-10-23 to 2008-02-13
Rock Creek Canyon	RCCR	California,U.S.A.	37.4869N	118.7228W	2817	
Rock Creek Ranch, Frenchglen	K07A	Oregon,U.S.A.	42.6912N	119.2469W	1407	From 2006-05-30 to 2008-04-07
Rock Creek Ranch, Golconda	N09A	Nevada,U.S.A.	40.8520N	117.5244W	1617	From 2006-04-20 to 2008-03-07
Rock Eagle	REG	Georgia,U.S.A.	33.4421N	83.3371W	178	From 1978-02-01
Rockefeller Mts	RMA	King Edward VII Land	78.1333S	155.4170W	390	From 1940-11-17 to 1940-12-28
Rockhampton 2 Soft	RK2S	Queensland,Australia	23.3102S	150.5216E	36	From 2009-01-01
Rockhampton Hard Rock	RK1H	Queensland,Australia	23.3876S	150.4939E	68	From 2009-01-01
Rocking H Ranch, Lancaster	A32A	Minnesota,U.S.A.	48.9172N	96.4935W	322	From 2010-10-23 to 2012-06-10
Rockin P Farm, Martin	U45A	Tennessee,U.S.A.	36.3481N	88.7635W	144	From 2011-08-08 to 2013-03-14
Rockland Lake	RLSP	New York,U.S.A.	41.1453N	73.9107W	61	
Rocklands	ROKL	Victoria,Australia	37.2333S	141.9568E	215	From 2008-12-03
Rocklands Reservoir	ROKM	Victoria,Australia	37.2420S	141.9550E	200	
Rockmart	Y51A	Georgia,U.S.A.	33.8993N	85.0640W	380	From 2012-04-07
Rockport	RPW	Washington,U.S.A.	48.4483N	121.5140W	850	
Rock site, Kinburn Side Road	KB1O	Ontario,Canada	45.3981N	76.1768W	108	From 2013-10-01
Rocksprings	531A	Texas,U.S.A.	30.1645N	100.5464W	661	From 2009-02-15 to 2011-01-19
Rocksprings	532A	Texas,U.S.A.	30.1278N	99.9049W	703	From 2009-02-18 to 2011-01-18
Rock Springs	M19A	Wyoming,U.S.A.	41.5047N	109.1569W	2080	From 2007-10-24 to 2009-10-14
Rocky Butte	RBO	Oregon,U.S.A.	45.5408N	122.5643W	158	
Rocky Gully	RKGY	Western Australia,Australia	34.6094S	116.9773E	220	From 1999-09-04
Rocky Gully	RKG	Western Australia,Australia	34.5698S	117.0100E	300	From 1983-07-01 to 2006-05-29
Rocky Hill	MRHM	California,U.S.A.	36.2863N	119.0871W	432	
Rocky Mountain Net	TVGG	Georgia,U.S.A.	34.3772N	85.3023W	323	
Rocky Mt	T56A	Virginia,U.S.A.	37.0288N	80.0311W	387	From 2013-03-16
Rodeo	AROD	San Juan,Argentina	30.1670S	69.4733W	2745	
Rodeo	RTRS	San Juan,Argentina	30.1700S	69.4603W		
Rodeo Gulch Road	JRGM	California,U.S.A.	37.0370N	121.9650W	213	From 1976-01-28
Rodgers	KRPM	California,U.S.A.	41.1582N	124.0230W	829	
Rodhopi	RDO	Greece	41.1462N	25.5375E	100	From 1988-01-01
Rodini	RODI	Greece	38.3229N	21.8961E	80	From 2010-07-03
Rodini, Patras, West Greece	ROD3	Greece	38.3081N	21.8920E	447	From 2011-05-11
Rodman Mountain	ROD	California,U.S.A.	34.6297N	116.6050W	1292	
Rodopos	RODP	Crete,Greece	35.5604N	23.7577E	309	From 2013-04-20
Rodrigues Island Caves	ROCAM	Mauritius,Mauritius	19.7555S	63.3698E	37	From 2012-12-15
Roellen	RELT	Missouri,U.S.A.	36.0332N	89.3022W	107	
Roetgen-Dahlheim	RODG	Nordrhein-Westfalen,Germany	51.1447N	6.1803E	70	From 2002-07-01
Roetschberg	BD07	Nordrhein-Westfalen,Germany	50.9433N	6.6740E	74	From 2001-01-01
Roger Stewart	RGRS	South Carolina,U.S.A.	32.9075N	80.1942W	-52	From 1986-06-01
Roghun	RAG	Tajikistan	38.7000N	69.7800E		
Rognes	RGS	Norway	63.0210N	10.4350E	120	From 1985-12-22 to 2003-04-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rognes	ROG	Provence-Cote d'Azur,France	43.6840N	5.3127E	310	
Rohrbach	ROHR	Sachsen,Germany	50.2342N	12.3168E	629	From 2001-08-07
Rohtak	RTK	Haryana,India	29.0333N	76.4143E	0	
Rohtak	ROH	Haryana,India	28.9000N	76.6000E	220	
ROIAK	ROIA	Bulgaria	43.0933N	27.3778E	355	From 2006-10-01
Roio Piano	T0106	Italy	42.3069N	13.3837E	1260	From 2009-04-08
ROKH	ROKH	Iran	32.3458N	51.0352E	2022	From 2011-01-01
Rokko	RKO	Hyogo,Japan	34.7639N	135.3018E	540	
Rokugo	JRG	Iwate,Japan	39.3963N	140.6338E	200	
Rolduc	RDC	Netherlands	50.8694N	6.0847E	145	
Rolla	ROL	Missouri,U.S.A.	37.9178N	91.8689W	200	From 1965-01-01
Rolling Bench Mark	BRMM	California,U.S.A.	36.8345N	120.8240W	372	From 1973-12-03
Roma	ROM9	Italy	41.8284N	12.5155E	110	From 2002-10-01
Roma	RMQ	Queensland,Australia	26.4857S	148.7582E	375	From 1984-08-11
Roma	RTQ	Queensland,Australia	26.5678S	148.8514E	350	
Roman Lake	ROMN	Northwest Territories,Canada	64.3157N	118.0182W	395	From 2007-08-12 to 2010-07-16
Roman Nose	RNO	Oregon,U.S.A.	43.9122N	123.7410W	875	From 1991-09-01
Romanshorn, Forsthaus, TG	ROMAN	Switzerland	47.5643N	9.3359E	348	From 2015-03-31
Rombauer	RMB	Missouri,U.S.A.	36.8860N	90.2780W	147	From 1974-06-27
Rome	K09A	Oregon,U.S.A.	42.6996N	117.7251W	1176	From 2006-08-05 to 2008-04-03
Rome	ROM	Italy	41.9033N	12.5133E	45	
Rome, Mte Porzio	RMP	Italy	41.8111N	12.7022E	380	
Rome (USA)	RMG	Georgia,U.S.A.	34.3679N	85.2816W	244	From 1979-05-01
Romny	RMNS	Amurskaya Oblast',Russia	50.8630N	129.3900E	190	
Romrod	GWBF	Hessen,Germany	50.7285N	9.1763E	368	From 2002-06-17
Ronca, Sant'Olcese (GE)	RNCA	Italy	44.4712N	8.9512E	235	From 2015-04-01
Ronchamp	RONF	Franche Comte	47.7107N	6.6472E	415	From 2013-04-11
Ronchi	N004	Italy	43.4684N	12.3373E	465	From 2011-02-08
Roncone	RONC	Italy	45.9802N	10.6228E	1913	From 2013-10-09
Roncone	RNI	Italy	45.9802N	10.6228E	1913	From 1982-01-01 to 2013-10-09
Rongbusi, Xizang Zizhiqu	RBSH	Xizang Zizhiqu,China	28.1955N	86.8280E	5100	From 2001-09-20 to 2002-05-21
Ronqui˜ore	BRQR	Belgium	50.6062N	4.2246E	40	From 1989-09-05
Roodepoort, Johannesburg	DRD	South Africa	26.1720S	27.8621E	1729	From 2010-03-19
Roopena	RPA	South Australia,Australia	32.7250S	137.4030E		
Roosevelt	O18A	Utah,U.S.A.	40.2655N	110.0082W	1582	From 2007-07-25 to 2009-04-10
Roosevelt	RPK	Washington,U.S.A.	45.7617N	120.2310W	549	From 1975-11-01
Roosevelt	Y17A	Arizona,U.S.A.	33.6953N	110.8444W	866	From 2007-04-17 to 2009-01-22
Roosevelt Hot Springs	RHU	Utah,U.S.A.	38.4722N	112.8470W	1905	From 1978-02-01
Roosevelt Roads	RRP	Puerto Rico	18.2333N	65.6333W		
Roosevelt Roads	RRD	Puerto Rico	18.2360N	65.6180W	40	From 1975-03-01 to 1999-08-25
Roper	V61A	North Carolina,U.S.A.	35.7912N	76.5776W	4	From 2013-03-11
Roppe	ROF	Franche Comte,France	47.6806N	6.9008E	500	
Roquetas del Mar	EROQ	Spain	40.8232N	0.4088E	284	From 1987-02-01
Rosais	ROSA	Azores,Portugal	38.7195N	28.2415W	310	From 1989-07-01
Rosal de la Frontera, Huelva	E016	Spain	37.9670N	7.0568W	320	From 2007-09-26 to 2009-06-23
Ros˜¡rio	ROSB	Maranhao,Brazil	2.8967S	44.1246W	60	From 2014-02-02
Roseau, Dominica	DRTD	Dominica	15.2955N	61.3843W	31	From 2014-10-22
Rosebud	F22A	Montana,U.S.A.	45.7794N	106.2569W	882	From 2008-11-13 to 2010-08-08
Rosebud	GOIL	Illinois,U.S.A.	37.2900N	88.5800W	165	
Rosebud	R41A	Missouri,U.S.A.	38.2976N	91.3795W	257	From 2011-07-26
Rosebud Secondary College	AURSC	Victoria,Australia	38.3700S	144.8900E	23	From 2013-05-10
Rosebush, Pembrokeshire	RSBS	Wales,United Kingdom	51.9530N	4.7448W	278	From 2012-08-01
Rosedale	P46A	Indiana,U.S.A.	39.6178N	87.2067W	194	From 2011-10-22
Rosedale State School	RDSS	Queensland,Australia	24.6238S	151.9168E	117	From 2004-08-09
Rose Hills Cemetery, Whittier	RHC	California,U.S.A.	34.0009N	118.0131W	364	
Roselend	RSL	Rhone-Alpes,France	45.6883N	6.6256E	1583	
Rose Lookout	RLO	Oklahoma,U.S.A.	36.1652N	95.0229W	341	From 1977-05-01
Rosemanowes	CRQ	England,United Kingdom	50.1672N	5.1726W	165	From 1981-02-01
Rosemanowes 2	CRQ2	England,United Kingdom	50.1669N	5.1686W	152	From 1981-01-01
Rosenbuehl-Arzberg	MROB	Bayern,Germany	50.0832N	12.1786E	570	From 2001-10-09
Roseneath	ROS	North Island,New Zealand	41.2833S	174.8000E		
Rosenhof	ROSN	Cape Province,South Africa	34.1038S	24.5400E	110	
Rose Park Fire Station, Salt Lake City, UT	RPF	Utah,U.S.A.	40.7753N	111.9203W	1287	From 2007-10-03
Rose Pump	RSE	California,U.S.A.	32.9255N	115.4992W	-41	
Rose Valley	RVW	Washington,U.S.A.	46.1495N	122.7440W	460	From 1981-02-01
Rose Valley Central	RVCM	California,U.S.A.	36.0080N	117.8900W	1067	From 1975-09-26
Rose V. Central	WRVM	California,U.S.A.	36.0080N	117.8900W	1067	From 1975-09-26
Rosharon	638A	Texas,U.S.A.	29.4193N	95.4481W	8	From 2011-02-17 to 2011-11-06
ROSL	ROSL	Bolivia	19.4853S	64.1803W	2073	From 1994-05-30 to 1995-08-08
Ross	ROSS	Washington,U.S.A.	45.6619N	122.6569W	61	
Rossano	ROI	Italy	39.5718N	16.5692E	605	From 1979-06-01
Ross Creek	RCJ	Utah,U.S.A.	40.6585N	111.4393W	2090	From 1992-10-30
Rosskopf	ROSI	Italy	46.9281N	11.4118E	1917	From 2006-12-13
Rosslynne Res.	LYNN	Victoria,Australia	37.4755S	144.5741E	447	
Rostrenen	ROSF	Bretagne,France	48.3364N	3.2736W	260	From 1996-04-03
Roswell	Z25A	New Mexico,U.S.A.	33.2797N	104.7171W	1233	From 2008-04-16 to 2010-03-08
Rota	RTN	Nicaragua	12.5333N	86.7832W	240	From 1975-01-01
Roteberg	ROTU	Sweden	61.4200N	15.8140E	100	From 2000-06-29
Rothenfluh	ROTHE	Switzerland	47.4761N	7.9209E	711	From 2012-12-10
Roth Farm, Molt	F19A	Montana,U.S.A.	45.8538N	108.9437W	1243	From 2008-08-07 to 2010-06-07
Rotoiti	RTY	South Island,New Zealand	41.8058S	172.8432E	635	From 1984-07-25 to 2000-09-30
Rotonda - Contrada Piano Incoronata (PZ)	T0716	Italy	39.9487N	16.0224E	560	From 2012-03-22 to 2099-12-31
Rotonda (PZ)	T0711	Italy	39.9357N	16.0618E	751	From 2011-11-25
Rotorua	ROT	North Island,New Zealand	38.1332S	176.2552E	300	From 1936-11-01 to 1942-12-31
Rotten Point	ROKY	Kentucky,U.S.A.	37.9090N	83.9260W	433	
Rotterdam (NY)	ROTD	New York,U.S.A.	42.7508N	74.0872W	283	
Rotzenmuhle	ROTZ	Bayern,Germany	49.7669N	12.2070E	430	
Rough Rock, Chinle	U18A	Arizona,U.S.A.	36.4199N	109.8696W	1878	From 2007-05-19 to 2009-02-11
Rougiers	ROU	Provence-Cote d'Azur,France	43.4014N	5.8457E	500	
Round Butte Dam	VRBM	Oregon,U.S.A.	44.6008N	121.2700W	743	
Round Hill, Nevis	NVRH	Nevis,Saint Kitts and Nevis	17.1835N	62.6001W	305	From 2002-05-06
Round Hill Res.	CRHM	California,U.S.A.	37.8588N	121.9926W	259	
Round Mountain	GROM	California,U.S.A.	39.9168N	122.6712W	1261	
Round Mountain	RDM	California,U.S.A.	34.4000N	117.1850W	1426	From 1976-12-01
Round Mountain	GRMM	California,U.S.A.	39.0205N	122.5843W	469	
Round Mountain	RMT	California,U.S.A.	39.9172N	122.6690W		
Round Mountain	RMI	Idaho,U.S.A.	42.0788N	113.3462W	1516	
Round Top Mountain	GRTM	California,U.S.A.	38.9387N	122.6700W	619	
Roure	OG33	Rhone-Alpes,France	44.0918N	7.0872E	1195	From 2000-08-09
Route 59 and County Road 4763, Timpson	ETX06	Texas,U.S.A.	31.8675N	94.4525W	117	
Route FM415 near Route 87	ETX04	Texas,U.S.A.	31.8668N	94.3810W	113	
Rovaniemi	RNF	Finland	66.6090N	26.0135E	171	From 2007-09-01
Rovere (Rocca di Mezzo)	RM13	Italy	42.1816N	13.5810E	1282	From 2009-04-07 to 2009-09-02
Rovereto Di Novi	ROVE	Italy	44.8530N	10.9497E	21	
Rover˜¤ Veronese	ROVR	Italy	45.6468N	11.0721E	1316	From 2008-10-08
Rowesville	ROW	South Carolina,U.S.A.	33.3650N	80.7944W	35	From 1977-10-23
Rowland	X58A	North Carolina,U.S.A.	34.5548N	79.3388W	45	From 2013-02-08
Rowsley	ROWM	Victoria,Australia	37.8058S	144.2915E	380	
Roxas	RCP	Panay,Philippines	11.5600N	122.7450E	140	
Roxburgh	ROX	South Island,New Zealand	45.4742S	169.3204E	106	From 1957-05-12 to 1985-04-30
Roxby Downs High School	AUROX	South Australia,Australia	30.5600S	136.9000E	106	From 2013-08-11
Royal City	RC1	Washington,U.S.A.	46.9433N	119.4330W	500	From 1988-05-27
Royalston	K62A	Massachusetts,U.S.A.	42.6651N	72.2345W	289	From 2013-09-09
Royce, Wessington Springs	I31A	South Dakota,U.S.A.	44.0297N	98.5352W	469	From 2010-07-25 to 2012-06-08
Rozhen	RZN	Bulgaria	41.6880N	24.7160E	1730	
Rozkopintsy	NDNU3	Ukraine	48.4930N	27.4290E	113	
RQBS	RQBS	Saudi Arabia	27.3401N	45.9610E	424	
Ruatahuna	RTZ	North Island,New Zealand	38.6154S	176.9805E	867	From 2011-05-05
Ruataniwha	RTP	South Island,New Zealand	44.2828S	170.0864E	500	From 1976-09-06 to 1976-11-24
Rubha Reidh	RRR	Scotland,United Kingdom	57.8577N	5.8067W	61	From 1995-09-10
Rubicon Trail	RUBR	California,U.S.A.	39.0517N	120.1549W	2045	
Ruby Glebe Property	RGP	California,U.S.A.	38.8783N	122.8113W	799	
Rude Farm, Bottineau	A28A	North Dakota,U.S.A.	48.9096N	100.2669W	692	From 2009-08-11 to 2011-07-16
Rudo	RUDO	Bosnia and Herzegovina	43.6180N	19.3700E	413	From 2013-06-21
Rudovci	RUDS	Serbia	44.3878N	20.4003E	0	
Ruedersdorf	RUE	Germany	52.4800N	13.7800E		
Rufina	RUFI	Italy	43.8400N	11.5100E	249	From 2012-01-13
Rugen	RGN	Mecklenburg-Vorpommern,Germany	54.5477N	13.3214E	15	
Ruggs Ranch, Heppner	G07A	Oregon,U.S.A.	45.2664N	119.6692W	801	From 2006-08-17 to 2008-05-09

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Ruhr-University Bochum -- Hof Stiepel	BHOF	Nordrhein-Westfalen,Germany	51.4289N 7.2614E	132	From 2011-02-07
Ruhr-University Bochum--Klosterbusch Mine	BKLB	Nordrhein-Westfalen,Germany	51.4401N 7.2697E	85	
Ruhr-University Bochum - Language Institute	BULI	Nordrhein-Westfalen,Germany	51.4544N 7.2602E	145	From 2011-06-09
Ruhr-University Bochum--Staatshockbauamt	BSHA	Nordrhein-Westfalen,Germany	51.4469N 7.2445E	148	
Ruhr-University Bochum--Technical Center	BTEZ	Nordrhein-Westfalen,Germany	51.4490N 7.2790E	112	
Ruisui	HGSD	Taiwan region	23.4921N 121.4239E	94	From 2004-04-27
Rumah	RMAH	Saudi Arabia	25.3450N 46.8840E	657	
Rumangabo	RUM	Democratic Republic of the Congo	1.3400S 29.3600E	1590	From 1955-01-01 to 1969-12-31
Rumipamba	RUMP	Ecuador	0.1753S 78.5313W	3377	From 2010-08-19
Rumipamba	QUR	Ecuador	0.1717S 78.5288W	3720	From 1988-07-19
Rumjataar	RUMN	Nepal	27.3038N 86.5482E	1319	From 2001-10-10 to 2002-11-28
Rumoi	RMJ	Rumoi,Japan	43.9433N 141.6367E	22	
Rundenannen	RUND	Norway	60.4135N 5.3672E	525	From 1997-09-01
RUNDU	RUDU	Namibia	17.9090S 19.7210E	1071	From 2006-04-05
Runtun	RUN2	Ecuador	1.4218S 78.4132W	2430	From 1994-12-02
Runtun	RUN5	Ecuador,Ecuador	1.4152S 78.4242W	2630	From 2005-05-01
Runtun 3	RUN3	Ecuador	1.4467S 78.4270W	3290	
Ruppelstein	RUP	Rheinland-Pfalz,Germany	49.7017N 7.0593E	750	From 1976-01-01
Rusayo	RSY	Democratic Republic of the Congo	1.5770S 29.1798E	1694	
Ruse	RUSAM	Bulgaria	43.8462N 25.9612E	203	From 2012-11-20
Rushworth	RUSM	Victoria,Australia	36.6642S 144.9472E	127	
Russellman Park	CRPB	California,U.S.A.	37.9123N 121.9072W	307	
Russellman Park	CRPM	California,U.S.A.	37.9125N 121.9060W	331	From 1970-09-18 to 2008-10-01
Russell Place, West Yellowstone	H16A	Montana,U.S.A.	44.7038N 111.2478W	2080	From 2007-08-25 to 2009-09-07
Russell Springs	RS-	Kentucky,U.S.A.	37.1986N 84.8683W	274	From 1965-12-03 to 1965-12-13
Russell Springs	RS-KY	Kentucky,U.S.A.	37.1986N 84.8683W	274	From 1965-12-03 to 1965-12-13
Russelville	X47A	Arkansas,U.S.A.	34.5178N 87.8571W	212	From 2011-12-10
Russkaya	RUS	Kamchatskaya Oblast',Russia	52.4331N 158.5131E	75	
Rustrel	RUSF	Provence-Cote d'Azur,France	43.9410N 5.4840E	550	From 2000-08-02
Rutbah	RTB	Iraq	33.0295N 40.3077E	612	
Ruteng	RUTI	Flores,Indonesia	8.6120S 120.4650E	0	From 2005-01-01
Ruth	RUT	Nevada,U.S.A.	39.2333N 114.9830W	2270	From 1960-01-01 to 1964-04-30
Ruthven	RUN	California,U.S.A.	32.9722N 114.9770W	151	From 1973-04-16
Ruvo Del Monte	RDM3	Italy	40.8755N 15.5361E	784	
Ruweisid	RUWJ	Jordan	32.4750N 38.4019E	751	From 1989-10-02
R-V Farms, Vernon	Y32A	Texas,U.S.A.	34.0036N 99.4420W	412	From 2009-03-20 to 2011-02-12
Ryan	RYN	Nevada,U.S.A.	38.6282N 118.5230W	1585	From 1974-08-01
Rybach'ye	RYB	Kyrgyzstan	42.4500N 76.0833E		
Rybnik	RBN	Poland	50.0981N 18.5336E	250	From 1950-01-01 to 1969-12-31
Ryder	RY-	North Dakota,U.S.A.	48.0972N 101.4944W	640	From 1963-07-22 to 1966-06-03
Ryder	RY-ND	North Dakota,U.S.A.	48.0972N 101.4944W	640	From 1963-07-22 to 1966-06-03
Ryogami san	JRY	Saitama,Japan	36.0167N 138.9017E	480	
Rypely	RYL	Greenland	83.0007N 34.0724W	3	
S2 Ranch, Elgin	F09A	Oregon,U.S.A.	45.7087N 117.9094W	894	From 2006-08-09 to 2008-06-21
Saathoff Ranch, Hondo	633A	Texas,U.S.A.	29.4591N 99.1766W	320	From 2009-12-05 to 2011-10-13
Saatly	SAAT	Azerbaijan	39.8610N 48.4230E	13	From 2010-04-08
Saba	SABS	Netherlands Antilles	17.6206N 63.2430W	500	
Saba	SABT	Netherlands Antilles	17.6205N 63.2430W	880	From 2000-01-22
Saba	SBN	Netherlands Antilles	17.6370N 63.2350W	870	From 1976-10-01
Saba	SABA	Netherlands Antilles,Netherlands Antilles	17.6205N 63.2426W	261	From 2006-10-30
Saba, Juancho Airport	SABV	Netherlands Antilles	17.6400N 63.2200W	15	From 2013-12-01
Sabancuy	SCIG	Campeche,Mexico	18.9670N 91.1853W	40	From 2000-07-01
Saba, The Bottom	SABQ	Netherlands Antilles	17.6300N 63.2500W	150	From 2013-12-01
Sabatlo	SBTG	Georgia,Georgia	41.3236N 46.6639E	256	From 2003-01-01
Saba, Winward Side	SABW	Netherlands Antilles	17.6300N 63.2300W	150	From 2013-12-01
Sabc	SABC	Cuba	20.3800N 75.1900W		
Saberio	SAB	Georgia,Georgia	42.6600N 41.8500E	180	
Sable island	SABG	Nova Scotia,Canada	43.9312N 60.0084W	0	From 2005-10-13
Sabuk	KSGWL	Republic of Korea	37.2076N 128.8235E	1	From 2007-12-11
Sabzevar	SBZV	Iran	36.3883N 57.6106E	2024	From 2011-10-27
Sacbachol	SBL	Guatemala	14.8917N 91.2787W	3403	From 1980-01-01
Sachs Harbour	A36M	NorthWest Territories,Canada	71.9871N 125.2472W	32	From 2013-09-02
Sachs Harbour	SXT	Northwest Territories,Canada	71.9892N 125.2400W	77	From 1986-08-13
Sachs Harbour	SWT	Northwest Territories,Canada	71.9933N 125.2830W	80	From 1980-12-03 to 1986-07-14
Sacramento	SMKY	Kentucky,U.S.A.	37.4230N 87.2760W	158	From 1985-01-01
Sacramento, California	SACC	California,U.S.A.	38.7000N 121.5000W	40	From 2012-08-01
Sacranix	SXG	Guatemala	15.5058N 90.4197W	1904	From 1985-11-01 to 1999-08-25
Sacuragua	FISA	Venezuela	11.2648N 69.3333W	600	From 1986-12-01 to 1999-08-25
Sa da Bandeira	SDB	Angola	14.9258S 13.5719E	1781	From 1962-01-01 to 1975-12-31
Sad'ah	SADA	Yemen	16.9330N 43.7500E	1850	
Sadao Pong	PBKT	Thailand	16.5700N 100.9700E	8	From 2008-01-01
Saddle Back Butte	SBB	California,U.S.A.	34.6883N 117.8250W	832	From 1974-01-03
Saddleback Mountain	SBKC	California,U.S.A.	35.0788N 117.5810W	881	
Saddle Mountain	SDL	Washington,U.S.A.	46.7954N 119.4910W		
Saddle Peak	SADC	California,U.S.A.	34.0810N 118.6650W	732	From 1973-08-01
Sadie Cove	SDEM	Alaska,U.S.A.	59.4433N 151.2820W	770	From 1983-07-04 to 1984-06-29
Sado	JSD	Niigata,Japan	38.0370N 138.2603E	146	
Sadowa	SADO	Ontario,Canada	44.7694N 79.1417W	243	From 1993-12-03
Sadrabad	ISAD	Iran	31.9136N 53.6855E	2457	From 1998-10-01
Saentis	SAX	Switzerland	47.2507N 9.3449E	2500	From 1983-07-01 to 2001-08-28
Safranbolu	SAFT	Turkey	41.2398N 32.6872E	406	
Saga	SAG	Saga,Japan	33.2450N 130.3050E	4	
Sagamiharawakayanagi	JSGW	Kanagawa,Japan	35.6019N 139.2085E	226	From 2013-07-01
Sagara	JSG	Shizuoka,Japan	34.6743N 138.1860E	107	
Sagara	SGRN	Shizuoka,Japan	34.7122N 138.1889E	55	
Saga, Xizang Zizhiqu	SAGA	Xizang Zizhiqu,China	29.3292N 85.2322E	4524	From 2001-09-16 to 2002-10-31
Sage Hen Hill	LSHM	California,U.S.A.	40.7933N 122.0396W	730	
Saggi Highlands	SAGI	Israel	30.2040N 34.6770E	560	
Sagiada	SGD	Greece	39.6126N 20.2343E	145	From 2010-05-13
Sagoatoa	SAGO	Ecuador	1.1529S 78.6650W	4182	From 2012-09-27
S.Agostino (FE)	CAS07	Italy	44.7929N 11.3671E	10	From 2012-05-23
Saguache, Gunnison	R22A	Colorado,U.S.A.	38.2289N 106.7561W	2773	From 2007-12-19 to 2010-02-07
Sa'gya, Xizang Zizhiqu	SAJA	Xizang Zizhiqu,China	28.9093N 88.0208E	4351	From 2002-07-23 to 2002-11-07
Saham	SHMJ	Jordan	32.7270N 35.7640E	363	From 1989-08-28
Sahibganj	SHBG	Bihar,India	25.2167N 87.6667E		
Saibi	SISI	Sumatera,Indonesia	1.3265S 99.0895E	0	From 2007-12-01
Saidpur	SAD	Pakistan	33.7422N 73.0633E	838	From 1988-09-18
Saidy	SAYS	Sakha,Russia	68.7000N 134.4500E	88	From 1980-07-01 to 1995-02-01
Saigo	SAI	Shimane,Japan	36.2018N 133.3363E	27	
SAIHA	SAIH	Mizoram,India	22.4894N 92.9874E	1207	From 2012-01-06
Saijyo	JHS	Hiroshima,Japan	34.9987N 133.1163E	470	
Saikikamae	JSKE	Oita,Japan	32.7982N 131.9012E	6	From 2012-07-01
Saint Agoulin	AGO	Auvergne,France	46.0524N 3.1311E	523	From 1984-07-01
Saint Andre	A21	Quebec,Canada	47.7036N 69.6897W	46	From 1977-08-30
Saint Andrews	SAW	Washington,U.S.A.	47.7017N 119.4010W	704	From 1975-06-01
Saint Aubin	JSA	Channel Islands,United Kingdom	49.1879N 2.1709W	21	From 1981-01-01
Saint-Augustin-de-Desmaures	SADQ	Quebec,Canada	46.7485N 71.5365W	82	From 2007-11-01
Saint Breward	SBD	England,United Kingdom	50.5653N 4.6856W	220	
Saint Catharines	STCO	Ontario,Canada	43.2096N 79.1705W	96	From 1991-07-26
Saint Claude	SCG	Guadeloupe,France	16.0289N 61.6810W	646	
Saint-Cripin	OG21	Provence-Cote d'Azur,France	44.7155N 6.6185E	1395	From 1988-09-13
Saint Croix	SCV	Virgin Islands	17.7817N 64.7890W	12	From 1975-04-01 to 1999-08-25
Saint Croix	SCVI	Virgin Islands	17.7614N 64.5831W	10	From 2003-11-06
Sainte-Anne-du-Lac	D55A	Quebec,Canada	47.0190N 75.4732W	331	From 2013-08-09
Sainte Mathilde	A61	Quebec,Canada	47.6931N 70.0900W	358	From 1981-06-05
Sainte-Reine	OG07	Rhone-Alpes,France	45.5927N 6.1410E	915	From 1992-10-07
Saint-Etienne-de-Cuines	OG10	Rhone-Alpes,France	45.3522N 6.2758E	1035	From 1992-10-15
Saint-Etienne-de-Tinee	STET	Provence-Cote d'Azur,France	44.2590N 6.9290E	1200	
Sainte-Ursule	STUQ	Quebec,Canada	46.3016N 73.0946W	63	From 2011-12-18
Sainte-Ursule	STFQ	Quebec,Canada	46.5538N 71.5436W	122	From 2011-12-13
Saint Francis	P28A	Kansas,U.S.A.	39.5732N 101.7548W	1105	From 2009-05-11 to 2011-04-02
Saint Francis Retreat	HSFM	California,U.S.A.	36.8120N 121.4990W	340	From 1975-11-13
Saint Francois	SFG	Guadeloupe,France	16.2533N 61.1965W	10	From 1975-01-01
Saint George	WDO	Utah,U.S.A.	37.1076N 113.5865W	831	From 2008-05-28
Saint George	T13A	Utah,U.S.A.	37.0195N 113.9073W	878	From 2007-01-29 to 2008-10-09
Saint George	GGN	New Brunswick,Canada	45.1184N 66.8421W	6	From 1981-10-28
Saint George	SGS	South Carolina,U.S.A.	33.1925N 80.5095W	25	From 1973-03-08
Saint George Infrasonic Array Beam Ref. Pt.	SGIAR	Utah,U.S.A.	37.9159N 113.6150W		
Saint George Infrasonic Array Site 1	SGI01	Utah,U.S.A.	37.9159N 113.6150W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Saint George Infrasonic Array Site 2	SGI02	Utah,U.S.A.	37.0097N	112.4915W		
Saint George Infrasonic Array Site 3	SGI03	Arizona,U.S.A.	36.1139N	113.6150W		
Saint George Infrasonic Array Site 4	SGI04	Nevada,U.S.A.	37.0097N	114.7385W		
Saint George's Hill	MGH	Montserrat	16.7200N	62.2160W	351	From 1980-07-09
Saint Gilles	SGMF	Bretagne,France	48.2542N	2.5569W	230	From 1996-04-03
Saint Guilaume	F59A	Quebec,Canada	45.8513N	72.7833W	43	From 2013-08-08
Saint Helena Island	SHLN	Saint Helena	15.9167S	5.7333W	274	From 1907-01-01 to 1942-12-31
Saint Helena Road	NSHM	California,U.S.A.	38.5200N	122.6070W	328	From 1970-08-14
Saint-Hilarion	SHQ	Quebec,Canada	47.6034N	70.4009W	411	
Saint Jean	DPQ	Quebec,Canada	46.6805N	72.7773W	167	
Saint Jean de L'Alberes	SJAF	Languedoc-Rousillon,France	42.4845N	2.8822E	450	From 1998-11-16
Saint Jean D'Orleans	D60A	Quebec,Canada	46.9139N	70.9237W	40	From 2013-08-01
Saint Joe	SJID	Idaho,U.S.A.	47.3640N	116.4112W	1775	
Saint John	SJV	Virgin Islands	18.3450N	64.7620W	280	From 1975-06-01
Saint John's	SJNN	Newfoundland,Canada	47.5952N	52.6781W	146	From 2005-10-12
Saint John's	STJ	Newfoundland,Canada	47.5717N	52.7328W	62	From 1964-06-01 to 1991-08-31
Saint John's	STJN	Newfoundland,Canada	47.5699N	52.7559W	167	From 1991-08-12 to 2006-03-28
Saint John's Bayou	SJMO	Missouri,U.S.A.	36.6290N	89.4760W	91	
Saint Joseph Seminary	SJH	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
Saint Joseph's Hill	JJOM	California,U.S.A.	37.2063N	121.9773W	343	
Saint-Julien-en-Beauchene	OG19	Provence-Cote d'Azur,France	44.6303N	5.7260E	1035	From 1989-10-13
Saint-Julien-le-Roux	VIVF	Rhone-Alpes,France	44.8561N	4.6728E	620	From 1996-04-03
Saint Kitts	STKP	St Kitts,Saint Kitts and Nevis	17.3800N	62.8270W	366	
Saint Kitts	SKI	St Kitts,Saint Kitts and Nevis	17.3333N	62.7390W	306	From 1959-04-17
Saint Kitts 2	SKDB	St Kitts,Saint Kitts and Nevis	17.3969N	62.8083W		From 1988-01-01
Saint Louis	SLM	Missouri,U.S.A.	38.6361N	90.2361W	161	From 1909-10-01
Saint Louis du Ha Ha	SLQ	Quebec,Canada	47.6662N	69.0103W	320	From 1984-06-07
Saint Lucia	SLI	St Lucia	14.0280N	61.0080W	30	From 1955-03-08 to 1959-02-02
Saint Lucia, Anse Canot	SLAC	St Lucia	13.8972N	60.8960W	220	From 2013-05-01
Saint Lucia, Bisee	SLBI	St Lucia	14.0230N	60.9740W	22	From 2013-04-04
Saint Martial	SSM	Haiti	18.5556N	72.3375W	26	
Saint Martin du Canigou	SMCF	Languedoc-Rousillon,France	42.5280N	2.4018E	1000	
Saint Martin du Fouilloux	MFF	Poitou-Charentes,France	46.6022N	0.1458W	270	From 1971-03-24
Saint Mary's College	SMCB	California,U.S.A.	37.8388N	122.1116W	177	
Saint Maurice de Rotherens	OGSM	Rhone-Alpes,France	45.6093N	5.6972E	540	
Saint-Maurice-en-Valgodemard	OG14	Provence-Cote d'Azur,France	44.8152N	6.1123E	1090	From 1988-10-26
Saint Michael	STMI	Alaska,U.S.A.	63.5973N	162.4352W	140	From 1980-07-01 to 1983-01-01
Saint Nazaire	OCF	Rhone-Alpes,France	44.5783N	5.3021E	840	
Saint Ours	SURF	Provence-Cote d'Azur,France	44.4808N	6.8128E	1820	From 1983-10-01
Saint Patrick	MSPT	Montserrat	16.6835N	62.1992W	127	
Saint Patrick Mountain	VPMM	Oregon,U.S.A.	43.1933N	120.6660W	1387	
Saint Paul	SP-IS	Alaska,U.S.A.	57.1542N	170.2181W	10	
Saint Paul	SPP	Alaska,U.S.A.	57.1533N	170.2400W		
Saint Paul Island	SPIA	Alaska,U.S.A.	57.1776N	170.2455W	84	
Saint Paul Islands	SPI	Alaska,U.S.A.	57.1600N	170.2250W		From 1967-07-02 to 1967-09-10
Saint Petersburg	NE51	Leningradskaya Oblast',Russia	59.8810N	29.8260E	20	
Saint Petersburg	LNN	Leningradskaya Oblast',Russia	59.9333N	30.3000E	3	
Saint Peter's Dome Lookout	SPD	New Mexico,U.S.A.	35.7578N	106.3690W	2566	From 1973-09-01
Saint Peters School	SPSY	New York,U.S.A.	41.3019N	73.8906W	168	
Saint Philip	BBSP	Barbados	13.1045N	59.4579W	35	
Saint Pierre	SPR	St Pierre and Miquelon,Canada	46.7833N	56.1833W		
Saint-Raymond	D59A	Quebec,Canada	47.0073N	71.8358W	204	From 2013-07-31
Saint-Rh[4]my-en-Bosses	REMY	Italy	45.8378N	7.1565E	2448	From 2011-10-01
Saint Roch-des-Aulnaies	A11	Quebec,Canada	47.2425N	70.1978W	61	From 1977-08-30
Saint Saulge	SSF	Bourgogne,France	47.0615N	3.5060E	355	From 1967-03-29
Saint Saulge	SSF1	Bourgogne,France	47.1167N	3.5014E		
Saint Sauveur de Carouges	SSC	Basse-Normandie,France	48.5842N	0.1075W	300	
Saint Sauveur en Rue	SSB	Rhone-Alpes,France	45.2792N	4.5417E	700	
Saint Simeon	A64	Quebec,Canada	47.8264N	69.8922W	137	From 1977-08-30
Saint-Thibaud-de-Couz	OG09	Rhone-Alpes,France	45.5123N	5.8363E	630	From 1988-10-21
Saint Thomas	VST	Virgin Islands	18.3540N	64.9570W	372	From 1975-04-01 to 1999-08-25
Saint Thomas	STVI	Virgin Islands	18.3514N	64.9539W	12	
Saint Vincent	SVI	St Vincent,Saint Vincent and the Grenadines	13.1700N	61.2580W	10	
Saint Vincent	SVT	St Vincent,Saint Vincent and the Grenadines	13.1680N	61.2450W	38	From 1964-03-03 to 1999-08-25
Saint Vincent's CYO School for Boys, San Rafael	SVIN	California,U.S.A.	38.0333N	122.5264W	0	
Saipan	SAPN	Mariana Islands	15.2149N	145.7516E	209	From 1991-01-01
Sair Farasan Island	FRSS2	Saudi Arabia	16.8520N	41.7940E	45	
Sajaritas	SAJV	Venezuela	10.3648N	71.3511W	65	
Sakai	SAA	Tottori,Japan	35.5500N	133.2330E	2	
Sakaide	JJS	Kagawa,Japan	34.3737N	133.9307E	210	
SAKARYA_Geyve	GEYV	Turkey	40.4842N	30.2958E	223	From 2011-09-30
Sakarya_HENDEK	SAHE	Turkey	40.8525N	30.8536E	461	From 2011-01-11
Sakarya/Kaynarca-Ta¯oluk	KAYN	Turkey	40.9654N	30.3405E	130	From 2014-11-26
Sakata	SAK	Yamagata,Japan	38.9067N	139.8470E	4	
Sakata 2	SKH	Yamagata,Japan	38.8567N	139.9730E	58	From 1978-03-01
Saki	SHKI	Azerbaijan	41.2050N	47.1950E	600	From 1973-01-01
Sakolnakorn	SKNT	Thailand	16.9742N	103.9815E	254	
Sakura	SKU	Chiba,Japan	35.7167N	140.2330E		
Sala	SALA	Syria	32.7112N	36.7329E	1670	From 1995-02-01
Sala Consilina	SLCN	Italy	40.3900N	15.6328E	986	
Saladito	HORQ	Colombia	3.4830N	76.6240W	2295	
Salado	SDO	Atacama,Chile	26.4194S	70.3111W		
Salagasta	ASAL	Mendoza,Argentina	32.5910S	68.8348W	947	
Salakas	ISAL	Lithuania	55.5711N	26.1255E	145	
Salau	SALF	Midi-Pyrenees,France	42.7600N	1.1893E	900	From 1989-01-01
Salazar	SZVM	Mexico D.F.,Mexico	19.3230N	99.3810W	3357	
Sale College, Sale	AUSSC	Victoria,Australia	38.1000S	147.0800E	19	From 2013-11-08
Salem	SX-	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salem	SALM	Tamil Nadu,India	11.6500N	78.2000E	0	From 2000-01-01
Salem	VSMM	Oregon,U.S.A.	44.9270N	123.1270W	290	
Salem	SX-SD	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Sale Mountain	SLEB	British Columbia,Canada	51.1667N	118.1330W	2075	
Salfit	SALP	Palestine Territories	32.0686N	35.1914E	475	
SALI	SALII	Bolivia	19.6201S	67.7245W	3779	From 1994-05-30 to 1995-08-08
Salina	SNK	Kansas,U.S.A.	38.9530N	97.6030W	407	From 1978-04-18 to 2001-07-15
Salina	U37A	Oklahoma,U.S.A.	36.4060N	95.1161W	248	From 2010-06-17 to 2012-02-19
Salina	SLNA	Italy	38.5636N	14.8329E	361	
Salina IE	ISLN	Sicily,Italy	38.5803N	14.8135E	283	From 1988-01-01
Salinas	SLN	Antofagasta,Chile	23.1539S	69.6111W	1350	
Salinas	SALI	Ecuador	2.1860S	80.9908W	85	From 1996-03-07
Salinas Radio	AN12*	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	SRC	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	BSRM	California,U.S.A.	36.6665N	121.5190W	395	From 1977-03-09
Salisbury	DSLB	Dominica	15.4380N	61.4210W	279	From 2014-06-08
Salisbury	P39B	Missouri,U.S.A.	39.4876N	92.7541W	226	From 2011-05-06 to 2012-09-28
Salisbury	P39A	Missouri,U.S.A.	39.4877N	92.7549W	232	From 2010-11-29 to 2011-04-14
Sal'it	SLTI	Israel	32.2405N	35.0403E	250	From 2002-05-28
Salmi	KOVU	Sweden	68.2229N	20.1607E	555	
Salmond Ranch, Choteau	C15A	Montana,U.S.A.	47.7750N	112.6072W	1522	From 2007-09-09 to 2009-08-14
Salo	SAL	Italy	45.6075N	10.5261E	77	
Salom-Alik	SALK	Kyrgyzstan	40.8800N	73.8200E	1672	From 1980-06-22
Salome	Y13A	Arizona,U.S.A.	33.8142N	113.8287W	356	From 2006-03-16 to 2008-10-21
Salr	SALO	Italy	45.6183N	10.5243E	600	From 2005-11-03
Salt	SALJ	Jordan	32.0093N	35.6847E	780	From 1983-09-01
Salta	SLT	Salta,Argentina	24.7833S	65.4167W		
Saltair	SAU	Utah,U.S.A.	40.8197N	112.0730W	1283	From 1974-03-01 to 1982-04-30
Saltdale	SDLC	California,U.S.A.	35.3805N	117.8867W	756	
Saltillo	SALX	Baja California,Mexico	32.4222N	115.1303W	50	From 1994-08-16
Salt Lake City	SLC	Utah,U.S.A.	40.7638N	111.8480W	1423	From 1962-04-01
Salto do Cavalo	SDCA	Azores,Portugal	37.7939N	25.3172W	644	From 1981-01-01
Saltoluokta	SALU	Sweden	67.3801N	18.5067E	500	From 2003-08-24
Salton Sea Test Base	SLTC	California,U.S.A.	33.2648N	115.9232W	-50	
Salto Pilao - PR	SP7	Parana,Brazil	27.1203S	49.4618W	567	From 2007-01-01
Saltpond	SPG	Ghana	5.2000N	1.0667W	50	From 1980-02-01 to 1980-06-30
Salt Prairie Lookout Tower, Alberta	STPRA	Alberta,Canada	55.6606N	115.8323W	760	From 2014-07-30
Saltspring Island	SSIB	British Columbia,Canada	48.7558N	123.3875W	12	
Saluda	V53A	North Carolina,U.S.A.	35.6694N	82.8124W	681	From 2012-05-20
Saluda	Y55A	South Carolina,U.S.A.	33.9375N	81.8581W	164	From 2013-02-18
Salum	SLUM	Egypt	31.4916N	25.2123E	107	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Salvajina	SALC	Colombia	2.9729N	76.6952W	1430	From 1988-11-01
Salyersville	S52A	Kentucky,U.S.A.	37.6791N	83.0784W	367	From 2012-05-16
Samad	SMDO	Oman	23.0589N	58.0492E	1000	From 2001-07-01
Samaipata	SMB	Bolivia	18.1667S	63.8500W	1650	
Samana, DR	SMN1	Dominican Republic	19.1878N	69.2733W	521	From 2007-03-01
Samandagi	SMDT	Turkey	36.1090N	35.9490E	20	From 1997-05-01
Samarinda	SMKI	Kalimantan,Indonesia	0.4461S	117.2085E	97	From 2005-01-01
Samarkand	SAM	Uzbekistan	39.6614N	66.9529E	684	From 1913-01-01
Samaxi	SHE	Azerbaijan	40.6380N	48.6390E	840	From 1902-01-01
Sambava	SBV	Madagascar	13.4584S	49.9212E	63	From 2009-11-19
Samburg	DY4	Tennessee,U.S.A.	36.4167N	89.3031W	140	From 1969-01-01 to 1972-12-31
Sameba	SAMG	Georgia,Georgia	41.6972N	44.8157E	465	From 2003-01-01
Samen	HSAM	Iran	34.2116N	48.6023E	2330	From 2011-04-01
Sam Houston State University, Huntsville	438A	Texas,U.S.A.	30.7500N	95.4741W	97	From 2010-02-17 to 2011-12-13
Sammumatsuo	JSMT	Chiba,Japan	35.6427N	140.4483E	34	From 2012-11-01
Samo	SOI	Italy	38.0722N	16.0550E	300	
Samoens	OG03	Rhone-Alpes,France	46.0667N	6.7305E	1000	From 1990-04-25
Samokov	SAMO	FYR Macedonia	41.6928N	21.1392E	638	From 2004-01-01
Samos	SMG	Greece	37.7087N	26.8370E	340	From 1989-06-01
Samos	SMS	Greece	37.8000N	26.7000E		
Samothraki Island	SMTH	Greece	40.4709N	25.5304E	365	From 2009-04-08
Samovar Hills	SAMH	Alaska,U.S.A.	60.1298N	140.7809W	1140	
Sampolo	SMPL	Corse,France	42.0940N	9.2850E	405	
Samsun-Alacam	SAMS	Turkey	41.3610N	36.1872E	192	From 2010-12-01
Samsville	SMV	Illinois,U.S.A.	38.4890N	88.0820W	134	From 1974-04-01
Samuel	SRB	Rondonia,Brazil	8.8333S	63.4717W		
Samuel	SAML	Rondonia,Brazil	8.9488S	63.1832W	101	
Samuel, RO	SAMU	Rondonia,Brazil	8.9153S	63.2507W	125	From 2014-02-15
Sam W. Stewart, Westmorland	SWSC	California,U.S.A.	32.9451N	115.7999W	140	From 1997-09-20
San'a	SANA	Yemen	15.3870N	44.2050E	2280	
Sanada	SDJ	Nagano,Japan	36.4367N	138.3050E	660	From 1968-07-01 to 1973-03-31
Sanae	SNA	Dronning Maud Land	70.3150S	2.3250W	57	
Sanae	SNAA	Dronning Maud Land	71.6707S	2.8379W	846	
Sanak Island	SNKA	Alaska,U.S.A.	54.4740N	162.7750W	159	
Sanana	SANI	Moluccas,Indonesia	2.0496S	125.9881E	28	From 2009-12-03
Sanandaj	SNGE	Iran	35.0925N	47.3470E	1940	From 2004-04-04
San Andreas	SAC	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas	JSAM	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas Geological Observatory	SAO	California,U.S.A.	36.7640N	121.4472W	317	From 1966-01-01
San Andreas Lake	JSLM	California,U.S.A.	37.5760N	122.4233W	335	
San Andreas Lake	LT9	California,U.S.A.	37.5760N	122.4230W	335	From 1967-07-13 to 1972-09-27
San Andres	CEDA	El Salvador	13.8028N	89.3949W	455	From 2012-05-24
San Andres	SRD	Colombia	6.8132N	72.8503W	1640	From 1975-01-25
San Andres	AUQP	Luzon,Philippines	13.3230N	122.6750E	50	
San Angelo	331A	Texas,U.S.A.	31.3085N	100.4266W	615	From 2009-03-05 to 2011-01-22
San Angelo	SA2TX	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA2	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA4TX	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA4	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Antonio	SLP	Guatemala	14.7430N	90.2828W	1410	From 1978-06-01
San Antonio Reservoir	PANM	California,U.S.A.	35.7797N	120.9070W	451	
San Antonio Texas	SAT1	Texas,U.S.A.	28.5550N	98.6450W	-27	From 2010-04-30
San Ardo	PSAM	California,U.S.A.	36.0253N	120.8880W	184	
Sanarito	SANV	Venezuela	9.5010N	69.5360W	1083	From 2002-05-29
Sanatorio Duran	SDS	Costa Rica	9.9333N	83.8836W	2340	
Sanatorio - la Vina	AHLV	Salta,Argentina	25.4700S	65.5600W	1200	From 1983-01-18
San Bartolome de la Torre, Huelva	E008	Spain	37.4969N	7.1304W	184	From 2007-09-26 to 2009-06-23
San Bartolomeo in Bosco (FE)	T0816	Italy	44.7207N	11.5976E	0	From 2012-05-20 to 2012-09-18
San Benito	BBNM	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Benito	SBT	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Bernardino	IIB	Puebla,Mexico	18.9640N	98.3447W	2380	
San Bernardino Valley	SBVC	California,U.S.A.	34.0881N	117.3110W		
San Blas	SBLS	El Salvador	13.8393N	89.6230W	1949	
Sanborn	SANY	New York,U.S.A.	43.1738N	78.8703W	172	From 1977-10-19 to 2002-12-20
Sanbornton	NH1	New Hampshire,U.S.A.	43.5473N	71.5743W	402	
San Bruno Mountain	JSBM	California,U.S.A.	37.6790N	122.3970W	194	
San Calixto	LPZ	Bolivia	16.4953S	68.1327W	3658	From 1912-01-01
San Caprasio	ESAC	Spain	41.7219N	0.4693W	815	
San Carlo, Sant'Agostino (FE)	CAS05	Italy	44.8022N	11.4097E	9	From 2012-05-24
San Carlos High School, San Carlos	Z17A	Arizona,U.S.A.	33.2969N	110.4723W	846	From 2007-04-16 to 2009-01-21
San Casciano dei Bagni	SACS	Italy	42.8491N	11.9097E	845	From 2004-12-16
SANCHEONG	KSSAC	Republic of Korea	35.4060N	127.8754E	139	From 2000-12-06
Sanchez	DR13	Dominican Republic	19.2405N	69.5887W	400	
San Clemente Island	SCI	California,U.S.A.	32.9800N	118.5470W	219	From 1967-07-27
San Clemente Island 2	SCI2	California,U.S.A.	32.9799N	118.5470W	199	From 2003-10-23
San Cristobal	SCRV	Venezuela	7.7889N	72.1917W	818	
San Cristobal	SCR	Santiago,Chile	33.5000S	71.0000W		
San Cristobal	CRIN	Nicaragua	12.7000N	87.0500W	685	
San Cristobal	SCX	Chiapas,Mexico	16.7358N	92.6345W		From 1987-01-01
Sandakan	SDKM	Sabah,Malaysia	5.6410N	117.1950E	523	From 2003-04-01
San Damiano	DOI	Italy	44.5041N	7.2466E	1039	
Sand Bay	SBY	Alaska,U.S.A.	51.9976N	176.0920W		From 1948-08-01 to 1951-12-31
Sand Canyon	SNDC	California,U.S.A.	35.1426N	118.3029W	1294	
Sand Creek	SCRK	Alaska,U.S.A.	63.9769N	143.9859W	1375	
Sand Creek, Windsor	P44A	Illinois,U.S.A.	39.4676N	88.6209W	195	From 2011-08-06 to 2013-04-29
Sanders	W19A	Arizona,U.S.A.	35.1118N	109.3879W	1785	From 2007-04-29 to 2009-02-02
Sanderson	SS-	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson	SS-TX	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson Ranch, Post	Z30A	Texas,U.S.A.	33.2861N	101.1282W	729	From 2009-03-10 to 2011-02-06
Sanders Place, Florence	R24A	Colorado,U.S.A.	38.2315N	105.1075W	1978	From 2008-06-02 to 2010-05-04
Sandfield	F49A	Ontario,Canada	45.7627N	82.0423W	230	From 2012-11-10
Sand Hill	SDHHI	Hawaii,U.S.A.	19.3895N	155.2940W	1133	
Sandia	CSAM	California,U.S.A.	37.6737N	121.7040W	215	From 1979-10-09
San Diego	SDC	California,U.S.A.	32.6833N	117.2420W		
San Diego	SND	California,U.S.A.	32.7667N	117.0670W	125	
San Diego Bay	SGB	Alaska,U.S.A.	55.5458N	160.4540W	275	
San Diego Road Dept, El Cajon	SDRC	California,U.S.A.	32.7356N	116.9424W	113	From 2001-04-20
Sandimen	SSD	Taiwan region	22.7460N	120.6320E	148	
San Donato	SDI	Italy	41.7092N	13.8103E	720	From 1984-06-01
Sand Pete Hill	YUK1	Yukon Territory,Canada	62.1533N	140.5287W	1557	From 2010-08-25
Sandpoint	B11A	Idaho,U.S.A.	48.4366N	116.3674W	870	From 2006-10-05 to 2008-06-12
Sand Point	SDPT	Alaska,U.S.A.	55.3492N	160.4766W	74	
Sand Point	SDN	Alaska,U.S.A.	55.3413N	160.4970W	23	From 1978-10-12 to 2004-09-10
Sand Point	SASA	Alaska,U.S.A.	55.3400N	160.4970W	23	
Sand Point BB	SPBA	Alaska,U.S.A.	55.3498N	160.4760W	90	From 1993-07-01
Sandrigo	SANR	Italy	45.6400N	11.6099E	51	From 2007-12-19
Sandskeio	ISAN	Iceland	64.0560N	21.5700W	208	From 1996-10-14
Sandspit	SSQ	British Columbia,Canada	53.2500N	131.8170W	3	From 1977-07-14 to 1978-03-18
Sandwick	SAN1	Shetland Islands,United Kingdom	60.0179N	1.2392W	150	From 1985-01-01
Sandwick	SANU	Shetland Islands,United Kingdom	60.0176N	1.2386W	150	
Sandy Floe Quarry	P403	Washington,U.S.A.	48.0624N	124.1409W	314	From 2005-06-21
Sandy Hook	SHTN	Tennessee,U.S.A.	35.4597N	87.1297W	323	From 1985-09-27 to 1989-06-30
Sandy Lake, NWT	SNLN	Northwest Territories,Canada	62.8304N	107.6119W	0	From 2008-07-12
San Emigdio	SEGC	Colombia	3.5469N	76.2010W	1384	
San Esteban	VA03	Valparaˆ›so,Chile	32.7637S	70.5508W	1053	From 2013-11-28
San Fabiˆ¡n de Alico	BI02	Bio-Bio	36.6634S	71.2732W	913	From 2014-01-10
San Fele	SFL3	Italy	40.7889N	15.5782E	1062	
SanFelice sul Panaro (MO)	T0802	Italy	44.8750N	11.1816E	8	From 2012-05-21 to 2012-08-27
San Felipe	SFX	Baja California,Mexico	30.8810N	114.7520W	55	
San Felipe	HFEM	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFL	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFP	Baja California,Mexico	31.0317N	114.8300W	4	From 1969-04-26
San Felipe	BS07	Bolivia	17.9703S	67.1287W	4097	From 2012-01-18
San Felipe Oˆ–a, Saraguro	ONHA	Ecuador	3.4775S	79.1631W	2361	From 2012-07-18
San Felix	SFX2	Panama	8.2935N	81.8688W	0	
San Fernando	SFUC	Spain	36.6370N	6.1750W	88	
San Fernando	SFDO	O'Higgins,Chile	34.6143S	71.0138W	690	
San Fernando	SFS	Spain	36.4656N	6.2055W	21	
San Fidel	W21A	New Mexico,U.S.A.	35.1170N	107.6476W	1966	From 2008-01-12 to 2010-02-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
San Francisco	FRCO	California,U.S.A.	37.7520N	122.4767W	115	From 2011-05-18
San Francisco	SFC	California,U.S.A.	37.7667N	122.4170W		
San Francisco	SFM	California,U.S.A.	37.7644N	122.4370W	103	
San Francisco	SFB	California,U.S.A.	37.7767N	122.4520W	100	From 1931-04-01 to 1964-12-31
San Francisco Camp Mather, Mather	S06C	California,U.S.A.	37.8817N	119.8488W	1377	From 2005-10-08 to 2007-10-04
San Francisco de Macorix	SFM1	Dominican Republic	19.2874N	70.2441W	114	From 2011-06-17
San Francisco--Rincon	SFR	California,U.S.A.	37.7880N	122.3890W	8	
San Fratello	ME02	Italy	38.0332N	14.5901E	677	From 2007-10-19 to 2009-02-03
San Fratello	MSFR	Sicily,Italy	38.0330N	14.5910E	708	From 2010-12-22
Sangatta, Kalimantan	SGKI	Kalimantan,Indonesia	0.5300S	117.6040E	178	From 2008-12-01
S. Angelo Dei Lombardi	SNAL	Italy	40.9254N	15.2091E	874	From 2004-08-24
Sangemini	USGN	Italy	42.6042N	12.5378E	342	From 2005-10-30
San Gibilmanna	SG6*	Sicily,Italy	37.9869N	14.0261E		From 1966-04-01 to 1966-05-01
Sangihe	SGSI	Mindanao,Philippines	3.6860N	125.5286E	100	From 2005-01-01
Sangi-Kar	SNGI	Tajikistan	39.0300N	70.1300E	1400	
San Giovanni Incarico	LIK	Italy	41.5047N	13.5580E	196	From 2010-02-12
San Giovanni Rotondo	SGRT	Italy	41.7546N	15.7437E	960	From 2006-05-24
San Giuliano del Sannio	MSSG	Italy	41.4561N	14.6385E	639	From 2008-05-10
San Giustino Valdarno	TSGT	Italy	43.5579N	11.7020E	330	From 2006-05-18
San Giusto Canavese	PCNV	Italy	45.3120N	7.7910E	89	From 2005-12-03
Sangju	KSSAJ	Republic of Korea	36.4080N	128.1575E	128	From 2006-12-30
San Gregorio	SGP	Peru	16.5621S	72.7136W	108	
San Gregorio	GIO	Sicily,Italy	37.5667N	15.1083E	330	From 1989-02-01
Sangsangzhen, Xizang Zizhiqu	SSAN	Xizang Zizhiqu,China	29.4238N	86.7290E	4585	From 2001-09-14 to 2002-09-08
Sang-Tuda	SAT	Tajikistan	37.9667N	69.0333E		
Sanguang	NSK	Taiwan region	24.6760N	121.3580E	682	
Sanharo	SABR	Pernambuco,Brazil	8.3138S	36.5536W	760	From 2007-01-01
San Ignacio	SIV	Bolivia	15.9913S	61.0722W	520	From 1990-03-01
San Ignacio de Huinay	LL01	Los Lagos	42.3787S	72.4126W	62	From 2013-10-05
Sanikiluaq	SNQN	Quebec,Canada	56.5418N	79.2254W	15	From 2006-09-20
Sanikiluaq	SNKN	Quebec,Canada	56.5362N	79.2315W	10	From 2009-07-25
Sanikiluaq	SAKN	Quebec,Canada	56.5359N	79.2323W	2	From 2014-11-25
San Jacinto	SJAS	El Salvador	13.6667N	89.1667W	1100	
San Jacinto, Colombia	SJCC	Colombia	9.8967N	75.1795W	596	From 2011-05-03
San Javier	SJVR	Maule,Chile	35.5902S	71.7383W	97	
San Javier	SJC	Linares,Chile	35.6417S	71.7250W	80	
San Jeronimo	SJRM	Guerrero,Mexico	17.1380N	100.4740W	40	
San Joaquin	SJX	Baja California,Mexico	31.7628N	115.9590W		From 1986-01-01
San Joaquˆ›n	BB03	Bolivia	17.0312S	64.8752W	240	From 2011-11-24
San Joaquin Reservoir	SJQ	California,U.S.A.	33.6200N	117.8450W	165	From 1971-07-07 to 1999-08-25
San Jorge	JORG	Ecuador	0.2172S	78.6457W	2800	
San Jorge 1	JOR1	Ecuador	0.0001S	78.6387W	2690	
San Jose	SJMP	Mindoro,Philippines	12.4610N	121.1190E	27	
San Jose	SJR	Costa Rica	9.9350N	84.0778W	1156	
San Jose	SNJE	El Salvador	13.8683N	89.6057W	1694	
San Jose	SJ-TX	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Jose, Antique	JAP	Philippines	10.7472N	121.9465E	18	From 2010-06-23
San Jose de las Matas	DR02	Dominican Republic	19.3542N	70.7718W	490	
San Jose del Guaviare	GUVC	Colombia	2.5448N	72.6273W	217	
San Jose del Monte	SBPH	Luzon,Philippines	14.7950N	121.1160E	240	
San Josˆ' del Palmar, Chocˆ‡	PLMC	Colombia	4.9052N	76.2827W	675	From 2011-10-04
San Jose de Maipo	SJCH	Santiago,Chile	33.6407S	70.3538W	997	
San Josˆ' de Urˆ', Cordoba	UREC	Colombia	7.7517N	75.5327W	251	From 2012-04-27
San Jose Maipo	SJM	Santiago,Chile	33.6500S	70.3667W	967	
San Jose (USA)	SJ-	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Juan	SJA	San Juan,Argentina	31.5277S	68.5607W	660	
San Juan	JUAN	Ecuador	0.2083S	78.5917W	3590	
San Juan	SJU	Peru	15.3560S	75.1790W	75	
San Juan	SJG	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
San Juan	SJP	Puerto Rico	18.3817N	66.1183W	80	From 1925-12-01 to 1965-12-31
San Juan 2	JUA2	Ecuador	0.2138S	78.6052W	3670	
San Juan Bautista	HBTM	California,U.S.A.	36.8502N	121.5510W	98	From 1975-06-05
San Juan Bosco	BOSC	Ecuador	3.1512S	78.4951W	1398	From 2012-11-21
San Juan de Arama, Meta	SJAC	Colombia	3.2730N	73.9510W	969	From 2010-11-01
San Juan de la Maguana	SJM1	Dominican Republic	18.8030N	71.2189W	434	From 2011-06-14
San Juan del Sur	SSNN	Nicaragua	11.2878N	85.8495W	415	
San Juan del Sur	SSN	Nicaragua	11.3012N	85.8535W	160	From 1975-01-01
San Juan de Rio Coco, Nicaragua	RCON	Nicaragua	13.4842N	86.1560W	1324	From 2012-04-15
San Juan Grade	AN3*	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan Grade	HJGM	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan, Peru	SJN	Peru	13.4117S	75.9467W	500	
SanJuan Tecuaco	SJT	Guatemala	14.0813N	90.2688W	460	From 1980-02-01 to 1999-08-25
San Juan (W)	SJGC	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
Sankelmark Bunker	SKMB	Schleswig-Holstein	54.7176N	9.4385E	37	From 2013-09-02
Sankt Quirin	SQTA	Austria	47.2205N	11.2087E	1307	From 1989-05-01
San Lazaro	A490	Costa Rica	10.2723N	85.4582W	0	From 2000-01-01
San Leandro Hills	CSLM	California,U.S.A.	37.7242N	122.1193W	219	
SANLIURFA_Merkez	SANL	Turkey	37.1712N	38.9892E	505	From 2011-10-31
SANLIURFA_SURC	SURC	Turkey	36.8793N	38.6128E	632	From 2010-11-28
San Lorenzo	LORV	Venezuela	9.7821N	71.0631W	0	
San Lorenzo	SLA	Salta,Argentina	24.7212S	65.5045W	1520	From 1977-02-01
San Lorenzo	LORE	Ecuador	1.2960N	78.8453W	1	From 1992-07-08
San Lorenzo Bellizzi	SALB	Italy	39.8772N	16.3459E	1200	From 2009-09-03
San Luis	SLU	Arizona,U.S.A.	32.5017N	114.7770W	41	From 1973-04-16
San Luis	T24B	Colorado,U.S.A.	37.0624N	105.3817W	2625	From 2009-08-14 to 2010-04-12
San Luis Creek Check 11 ,Merced County	SCKWR	California,U.S.A.	37.1833N	121.0702W	69	From 2004-05-04
San Luis Dam	HSLM	California,U.S.A.	37.0802N	121.0940W	122	From 1974-03-02
San Luis Dam	SLD	California,U.S.A.	37.0747N	121.2210W	443	From 1965-11-01
San Luis Fatjo Ranch, Merced County	SFJWR	California,U.S.A.	37.0493N	121.1725W	427	From 2004-05-04
San Luis Rˆ›o Colorado	SLX	Sonora,Mexico	32.4560N	114.7048W	40	From 2008-10-03
San Manuel, Pangasinan, Philippines	SMPP	Luzon,Philippines	16.1503N	120.6800E	300	From 2012-09-04
San Marcial	SMNM	New Mexico,U.S.A.	33.7787N	107.0190W	1560	
San Marco di Savelli	SAVE	Italy	42.7171N	13.1360E	1113	From 2011-10-01
San Marcos	SANM	El Salvador	13.6620N	89.1830W	762	
San Marcos	SMCN	Nicaragua	11.9067N	86.2019W		From 1990-01-01
San Marcos	LOMA	El Salvador	13.6520N	89.1740W	165	
San Marcos	SMAM	Guerrero,Mexico	16.7855N	99.3982W		
San Marino	ESMR	San Marino	43.9159N	12.4407E	511	From 2006-07-18
San Martin	MRA	San Luis,Argentina	32.4190S	65.7172W	1095	From 1983-11-01
San Martin Antarctic Base	SMAI	Antarctic Peninsula	68.1302S	67.1059W	8	From 2007-02-02
San Martˆ›n de Loba, Colombia	SMLC	Colombia	8.8010N	74.0713W	116	From 2012-10-28
SAN MARTINO	SMA1	Italy	42.6305N	13.3353E	1150	From 2009-08-13
San Martino d'Ocre	RM03	Italy	42.2743N	13.4717E	1483	From 2009-04-06 to 2009-08-31
San Miguel	SMX	Baja California,Mexico	31.6880N	115.9040W		
San Miguel	VSM	El Salvador	13.4281N	88.2742W	2129	
San Miguel	SMMM	Mexico D.F.,Mexico	19.7398N	98.7405W		From 1988-01-01
San Miguel	MGUL	Ecuador	0.2587S	78.5843W	3498	
San Miguel	SMIG	El Salvador	13.4390N	88.1590W	114	
San Miguel Island	BSM	California,U.S.A.	34.0375N	120.3500W	172	From 1969-11-01
San Miguel Ranch, Cuba	V22A	New Mexico,U.S.A.	35.9138N	106.9094W	2164	From 2008-05-02 to 2010-04-04
San Nicola dell'Alto	LADO	Italy	39.2840N	16.9795E	488	From 2008-05-10
San Nicolas Island	SNC	California,U.S.A.	33.2483N	119.5230W	275	From 1957-07-24 to 1968-01-24
San Nicolas Island	SNCC	California,U.S.A.	33.2479N	119.5244W	275	From 1994-05-01
San Nicolas Island	BSN	California,U.S.A.	33.2450N	119.5070W	259	From 1970-03-01
Sannotorii	STRE	Nagano,Japan	36.4014N	138.5517E	1825	
San Onofre	SNS	California,U.S.A.	33.4322N	117.5490W	152	From 1975-01-01
San Pablo	PAB	Spain	39.5458N	4.3483W	938	From 1992-10-01
San Pablo	EPAB	Spain	39.5449N	4.3499W	946	
San Pablo Dam	ZSP	California,U.S.A.	37.9450N	122.2570W	119	From 1978-11-03
San Pablo de Borbur, Boyacˆ¡	SPBC	Colombia	5.6520N	74.0720W	799	From 2013-07-12
San Pablo Ridge	CSPM	California,U.S.A.	37.9575N	122.3110W	216	
San Pedro	U73B	Valparaiso,Chile	33.9164S	71.4198W	186	
San Pedro de Atacama	AF01	Antofagasta	22.9521S	68.1789W	2449	From 2015-06-05
San Pedro de Atacama	SPCH	Antofagasta,Chile	22.9083S	68.1994W	2455	From 2004-07-30
San Pedro de Concepcion	CCSP	Bio-Bio,Chile	36.8443S	73.1087W	35	From 2009-07-23
San Pedro Hill	SPH	California,U.S.A.	33.7467N	118.3350W	445	From 1971-07-07 to 1974-03-31
San Pedro Martir	SPIG	Sonora,Mexico	31.0458N	115.4658W	2780	
San Pedro Martir	SPX	Baja California,Mexico	31.0451N	115.4636W	2835	From 1981-10-20
San Pedro Poas	SPS	Costa Rica	10.0776N	84.2512W	1120	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
San Pedro Sula	SSU	Honduras	15.5000N 88.0500W	200	
San Pelino (Cagnano Amiterno)	T0107	Italy	42.4726N 13.2475E	1145	From 2009-04-09
San Pietro in Casale	SPCA	Italia	44.7060N 11.4204E	10	From 2015-06-12
San Possidonio	CORR	Italy	44.9020N 11.0095E	12	
San Potito Sannitico (CE)	T1011	Italy	41.3596N 14.4175E	1151	From 2013-12-30 to 2014-03-03
San Rafael	RFA	Mendoza,Argentina	34.7708S 68.4660W	850	
San Rafael Swell	SRU	Utah,U.S.A.	39.1108N 110.5238W	1804	From 1990-11-20
San Ramon	SRA	Costa Rica	10.0825N 84.4482W	1160	From 1974-01-01
San Ramon	CRAM	California,U.S.A.	37.7672N 121.9380W	171	From 1976-09-02 to 2008-07-16
San Ramˆ‡n	SRA1	Costa Rica	10.0850N 84.4800W	1101	
Sanriku	SNI	Iwate,Japan	39.1067N 141.7580E	518	
San Roque	SRQ	Spain	36.2575N 5.3742W	202	
San Salvador	CUSC	El Salvador	13.7330N 89.1890W	668	
San Salvador	SSS	El Salvador	13.6811N 89.1981W	665	
San Salvador	CLUB	El Salvador	13.7020N 89.2600W	745	
San Salvador	OPAM	El Salvador	13.7170N 89.2010W	650	
San Salvador	UESS	El Salvador	13.7050N 89.2010W	694	
San Salvador	UEES	El Salvador	13.7270N 89.2430W	853	
San Salvador	UTEC	El Salvador	13.7010N 89.2020W	683	
Sansepolcro	SSP9	Italy	43.5739N 12.1314E	207	From 2010-12-15
San Sevaine	SS2	California,U.S.A.	34.2077N 117.5000W		From 1976-01-01
San Severino Marche	SSM1	Italy	43.2288N 13.1770E	240	From 2011-04-24
San Sossio Baronia	SSB3	Italy	41.0785N 15.2292E	724	
Sans Toucher	SSG	Guadeloupe,France	16.0887N 61.6788W	1210	
Santa	SZP	Luzon,Philippines	17.5510N 120.4560E	50	From 1979-04-11
Santa Ana	UNIC	El Salvador	13.9910N 89.5590W	660	
Santa Ana	ANIL	Colombia	4.4910N 75.4030W	2300	
Santa Ana	SANC	California,U.S.A.	33.7053N 117.8858W	11	
Santa Barbara	ASBA	Azores,Portugal	38.7203N 27.3253W	675	From 1981-04-16
Santa Barbara	ASTB	Jujuy,Argentina	23.9482S 64.4532W	1490	
Santa Barbara	SBC	California,U.S.A.	34.4417N 119.7133W	90	From 1927-05-10
Santa Barbara Island	SBI	California,U.S.A.	33.4807N 119.0290W	6	
Santa Catalina Island West	CIW	California,U.S.A.	33.4653N 118.5520W	50	
Santa Cesarea Terme	SCTE	Italy	40.0724N 18.4675E	150	From 2006-02-02
Santa Chiara	ECHR	Sicily,Italy	37.6863N 14.9129E	1168	From 2009-02-03
Santa Clara	STCC	California,U.S.A.	34.3030N 119.1868W	180	
Santa Clara	PFSC	Portugal	37.4738N 8.4260W	218	From 1996-01-01 to 2009-05-30
Santa Clara	SCUT	Utah,U.S.A.	37.1282N 113.6447W	837	From 2008-05-01
Santa Clara	SCL	California,U.S.A.	37.3500N 121.9500W	28	From 1909-01-01 to 1955-12-31
Santa Clara	EGX	Sonora,Mexico	31.7102N 114.4780W		From 1981-09-22
Santa Clara County Offices	SCCB	California,U.S.A.	37.2874N 121.8642W	98	
Santa Cristina (Gubbio) - PG	AT09	Italy	43.3144N 12.5405E	521	From 2010-03-31
Santa Cruz	STCR	O'Higgins,Chile	34.6408S 71.3647W	175	
Santa Cruz	SCA	Patagonia,Argentina	49.8333S 72.0500W		
Santa Cruz	SCRN	Nicaragua	12.7317N 86.9383W	500	
Santa Cruz	SCZ	California,U.S.A.	36.5980N 121.4030W	261	From 1986-11-06
Santa Cruz	SCZP	Luzon,Philippines	15.7760N 119.9110E	21	
Santa Cruz	SCC	California,U.S.A.	37.0067N 121.9970W	128	From 1961-06-11 to 1965-02-28
Santa Cruz	STGR	Azores,Portugal	39.0802N 28.0031W	124	From 1990-07-19
Santa Cruz, CA USA	HUG01	California,U.S.A.	36.9503N 122.0526W	20	From 2014-12-21
Santa Cruz Island	BSC	California,U.S.A.	33.9947N 119.6330W	457	From 1969-11-01
Santa Cruz Island 2	SCZ2	California,U.S.A.	33.9954N 119.6351W	440	From 2003-11-04
Santa Domenica Talao (CS)	T0712	Italy	39.8205N 15.8519E	248	From 2011-11-26
Santa Elena	AR5	Costa Rica	10.3414N 84.8247W	1420	
Santaella, Cordoba	E020	Spain	37.5653N 4.8445W	309	From 2007-07-05 to 2009-06-22
Santa Fe	PT09	Peru	11.6670S 76.1930W	5200	From 1983-08-26
Santa Fe	SFJM	Jalisco,Mexico	20.4865N 103.0395W	1500	
Sant Agata di Puglia	SGTA	Italy	41.1350N 15.3650E	890	From 2006-01-18
Santa Helena	SHP	Peru	16.1972S 72.4739W	471	
Santa Helena	HELC	Colombia	6.1908N 75.5288W	2815	From 1994-01-01
Santa Isabel	ISAV	Venezuela	9.5068N 70.8563W		
Santa Julia	SJUZ	El Salvador	13.5200N 88.5335W	1024	
Sant'Alfio	ESAL	Sicily,Italy	37.7545N 15.1345E	720	From 1994-10-01
Santa Lucia	STL	Santiago,Chile	33.4361S 70.6411W	595	
Santa Margarita	PMGM	California,U.S.A.	35.4298N 120.5200W	529	
Santa Maria	PSMA	Azores,Portugal	36.9950N 25.1288W	123	
Santa Maria do Tocantins	SMTB	Tocantins,Brazil	8.8617S 47.5887W	310	From 2011-09-05
Santa Maria Island	SAZ	Azores,Portugal	36.9717N 25.1683W		
Santa Marinella - RM	TO05	Italy	42.0615N 11.8646E	88	From 2008-04-28 to 2009-04-02
Santa Marta, Magdalena	SMRC	Colombia	11.1638N 74.2245W	122	From 2012-09-15
Santandra', Italy	MSTD	Italy	45.7486N 12.2003E	101	From 2010-06-08
Sant'Angelo in Pontano	SAP2	Italy	43.0967N 13.3992E	402	From 2010-09-08
Sant'Angelo In Vado	SAIV	Italy	43.6648N 12.4131E	360	From 2013-12-17
Sant Anna di Valdieri	STV	Italy	44.2455N 7.3260E	930	From 1966-01-01
Sant' Anna di Valdieri 2	STV2	Italy	44.2455N 7.3260E	930	From 1995-01-01 to 2007-12-31
Santa Pau	NE30	Spain	42.1600N 2.6450E	245	
Santaquin	SNQU	Utah,U.S.A.	39.7947N 111.9030W	1853	From 1990-08-30
Santaquin Canyon	SUU	Utah,U.S.A.	39.8887N 111.7920W	1987	From 1974-09-01 to 1990-08-21
Santa Rosa	SRP	Puebla,Mexico	18.8967N 97.7800W		
Santa Rosalia	SRIG	Baja California,Mexico	27.3198N 112.2410W	61	From 2008-02-20
Santa Rosalia	SRL	Baja California,Mexico	27.3288N 112.2760W		
Santa Rosalia	SRV	Venezuela	8.5480N 71.2860W	1300	
Santa Rosa Mine	SME	California,U.S.A.	33.8227N 117.3550W	494	
Santa Rosa Mountain	SMO	California,U.S.A.	33.5358N 116.4617W	0	
Sant'Arsenio	SRN3	Italy	40.4861N 15.4580E	1067	
Santa Sofia	SFI	Italy	43.9048N 11.8469E	548	From 1987-01-01
Santa Teresa Hills	JSTM	California,U.S.A.	37.2068N 121.7970W	149	From 1975-10-02
Santa Venerina	EVRN	Sicily,Italy	37.6887N 15.1355E	364	From 1989-04-01
Santa Ynez Peak	SYP	California,U.S.A.	34.5267N 119.9780W	1305	From 1967-06-07
Sant'Elia a Pianisi	CIGN	Italy	41.6542N 14.9050E	350	From 2003-03-26
Santiago	SAN	Santiago,Chile	33.4531S 70.6617W	533	
Santiago	PUCM	Dominican Republic	19.4403N 70.6814W	177	From 2007-01-01
Santiago	STS	Spain	42.8860N 8.5509W	265	
Santiago aeropuerto	SC02	Dominican Republic	19.4027N 70.6047W	196	From 2011-06-18
Santiago de Compostela	NE26	Spain	42.8860N 8.5520W	245	
Santiago de los Caballeros	SC01	Dominican Republic	19.4272N 70.7277W	229	From 2012-03-14
Santiago de Maria	SDMZ	El Salvador	13.4738N 88.4847W	900	
Santiago Espada	SESP	Spain	38.1200N 2.5452W	1528	
Santiago Estero	SDE	Santiago del Estero,Argentina	27.8217S 64.2450W	177	
Santiago Island	SACV	Cape Verde Islands	14.9702N 23.6085W	387	
Santiago Maria	SDM	El Salvador	13.4861N 88.4706W	905	
Santiaguito	SOG	Guatemala	14.7763N 91.5877W	2950	From 1984-02-01
Santiaguito 2	SOG2	Guatemala	14.7172N 91.5703W	1560	From 1987-01-01
Santiao Chiao	TWB1	Taiwan region	25.0083N 121.9883E	20	From 1984-04-06
Santo Amaro	PAMA	Azores,Portugal	38.6797N 28.1798W	388	From 2005-08-01
Santo Antonio	PSAN	Azores,Portugal	37.8512N 25.7259W	395	From 2004-07-01
Santo Antonio do Leverger, MT	SALV	Mato Grosso,Brazil	15.9012S 55.6936W	213	From 2012-06-01
Santo Domingo	VA05	Valparaˆ›so,Chile	33.6571S 71.6143W	80	From 2014-10-22
Santo Domingo	SDV	Venezuela	8.8861N 70.6333W	1580	From 1975-06-01
Santo Domingo	SDD	Dominican Republic	18.4579N 69.9134W	10	
Santo Domingo	STDO	Dominican Republic	18.4506N 69.9264W	12	
Santo Domingo	ASDO	Ecuador	0.2625S 79.1238W	615	From 2010-08-03
Santoft	WSFZ	North Island,New Zealand	40.1158S 175.2028E	25	From 1982-10-14 to 1982-10-15
Santoft	WSNZ	North Island,New Zealand	40.1088S 175.1888E	25	From 1982-10-15 to 1982-10-24
Santorini	SANT	Greece	36.3710N 25.4590E	540	
Santorini-Akrotiri	SAP1	Greece	36.3579N 25.3957E	151	From 2011-06-24
Santorini-Faros Akrotiriou	THR9	Greece	36.3577N 25.3569E	54	From 2011-12-13
Santorini-Monolithos	THR8	Greece	36.4070N 25.4788E	30	From 2011-05-27
Santorini-Oia	SAP4	Greece	36.4734N 25.3724E	56	From 2011-06-24
Santorini-Thirassia	SAP3	Greece	36.4356N 25.3454E	205	From 2011-06-23
San Vicente	SNVI	El Salvador	13.6125N 88.8388W	1312	
San Vito	EDSV	Costa Rica	8.8200N 82.9720W	1024	
San Vito de Coto Brus	SVTC	Costa Rica	8.7853N 82.9587W	1227	From 2005-03-15
San Vittorino	T0102	Italy	42.3967N 13.3139E	707	From 2009-04-06 to 2009-09-01
Sanyi	NSY	Taiwan region	24.4160N 120.7610E	311	
San Ysidro	SYS	California,U.S.A.	32.5797N 116.9115W	277	
San Zeno di Montagna	ZEN8	Italy	45.6378N 10.7319E	596	From 2006-06-30
San Zeno Di Montagna	VRZA	Italy	45.6257N 10.7176E	550	From 2001-01-01
Sao Bartolomeu	PFSB	Portugal	37.2492N 8.3262W	171	From 1996-01-01 to 2009-05-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
S˜£o Bento	PSBE	Portugal	39.5142N	8.7955W	510	From 2014-03-10
Sao Brissos	EVOP	Portugal	38.5280N	8.1236W	93	From 1997-06-01
SAO DESIDERIO	SDBA	Bahia,Brazil	12.4085S	44.9030W	623	From 2013-11-10
S˜£o Jo˜£o Batista-SC	MAJ01	Parana,Brazil	27.3972S	49.0118W	344	From 2011-01-30
Sao Joao De Manteninha	SJMB	Minas Gerais,Brazil	18.7032S	41.1848W	234	
Sao Joao Dos Patos	BESB	Maranhao,Brazil	6.6569S	43.5586W	245	From 2009-07-01
Sao Joaquim do Monte	AGBR	Pernambuco,Brazil	8.4295S	35.8361W	470	From 2007-01-01
S˜£o Miguel do Araguaia, GO, Brazil	RET8	Goias,Brazil	12.9728S	50.0986W	264	From 2008-07-17 to 2011-10-28
Sao Paulo	SPB	Brazil	23.5920S	47.4320W	85	
Saorge	SAOF	Provence-Cote d'Azur,France	43.9863N	7.5553E	600	
Sao Salvador	SSV2	Goias,Brazil	12.8507S	48.2143W	315	From 2008-01-01
Sao Teotonio	PTEO	Portugal	37.5456N	8.7242W	119	From 1993-08-03
Sa-pa	SPV	Vietnam	22.3383N	103.8352E	1150	From 1961-01-01
Sapanca-Adapazari	SPNC	Turkey	40.6860N	30.3083E	190	From 2008-06-27
Saphane-Kutahya	SHAP	Turkey	39.0230N	29.2220E	1056	From 2012-05-09
Sappes Rodopi	SPP1	Greece	41.0225N	25.7014E	128	From 2011-07-01
Sapporo	SAP	Ishikari,Japan	43.0583N	141.3320E	17	
Saqqara	SQR	Egypt	29.8813N	31.1959E	110	
Sarab	ISRB	Iran	37.8250N	47.6667E	1950	From 1995-08-01
Sarahart	SRRS	Armenia	40.8683N	44.2217E	1675	
Sarajevo	SAR	Bosnia and Herzegovina	43.8733N	18.4283E	725	
Sarakhs	SRMB	Iran	36.5200N	61.1500E	0	
Saraland	347A	Mississippi,U.S.A.	31.4017N	88.5412W	40	From 2011-03-19 to 2012-12-15
Saramarca	PP04	Peru	14.4855S	75.0915W	750	
Sarande	SRN	Albania	39.8800N	20.0005E	60	
Sarany	PR7R	Permskiy Kray,Russia	58.5518N	58.7598E	440	From 2013-11-26
Saraoutou	SANVU	Vanuatu,Vanuatu	15.4472S	167.2032E	56	From 2011-11-01
Sarapat	SATK	Armenia	40.9433N	44.0500E	2120	
Sarat Abidah	SRAT	Saudi Arabia	18.0390N	43.1620E	2300	From 1990-06-13
Saratoga Golf Course	SGC	California,U.S.A.	37.2827N	122.0500W	198	
Saratov	SARR	Saratovskaya Oblast',Russia	51.3885N	45.2865E	161	From 2005-11-15
Saravan	SRVN	Iran	27.4034N	62.3982E	1352	From 2015-04-15
Sarbogard	PKS8	Hungary	46.8787N	18.6765E	135	
Sarcpa Lake, Nunavut	SRLN	Northwest Territories,Canada	68.5513N	83.3238W	261	From 2005-08-21
SarD1z-Kayseri	SARI	Turkey	38.4072N	36.4182E	1673	From 2007-08-03
Sareghieh	HSRG	Iran	35.2418N	48.2787E	2544	From 2013-01-01
Sareki	SRKG	Georgia,Georgia	42.3241N	43.3529E	485	From 2013-03-22
Sarfartoq 1, Greenland	SA1G	Greenland	66.1910N	50.6900W	1100	
Sarfartoq 2, Greenland	SA2G	Greenland	66.3270N	51.2860W	1100	
Sarfartoq 3, Greenland	SA3G	Greenland	66.4399N	51.8603W	1150	
Sarfartoq 4, Greenland	SA4G	Greenland	66.5910N	52.4280W	900	
Sargodha	SARP	Pakistan	31.9215N	72.6718E	183	
Saricakaya, Eskisehir	SRCK	Turkey	40.0417N	30.6259E	331	From 2013-03-15
Sarigan	SARN	Mariana Islands	16.7002N	145.7795E	451	
Sarkisla-SIVAS	CUSAR	Turkey	39.4185N	36.2444E	1458	From 2010-07-07
Sarkoy-Tekirdag	RKY	Turkey	40.6875N	27.1777E	687	From 2005-05-24
Sarmi	SMPI	Irian Jaya,Indonesia	1.9900S	138.7100E	0	From 2007-12-01
Sarnen Kantonsschule	SARK	Switzerland	46.8914N	8.2432E	471	From 2012-05-30
Sarria	EXSA	Spain	42.7760N	7.4190W	504	
Sarsar	RSA	Morocco	34.8840N	5.8210W	660	
Sarti	SAR1	Greece	40.0966N	23.9783E	25	From 2008-09-30
Sart'ichala	SRCG	Georgia,Georgia	41.7000N	45.1600E	700	
Sart Tilman	BSTI	Belgium	50.5835N	5.5667E	226	From 1985-10-04
Sarutani	SRT	Nara,Japan	34.1761N	135.7450E	440	From 1960-05-01
Sarvestan	ISRV	Iran	29.3817N	53.1133E	2688	From 2002-10-01
Sasagawa	JNS	Niigata,Japan	37.8183N	139.3172E	145	
Saskatoon	SAS	Saskatchewan,Canada	52.1333N	106.6330W	515	From 1915-01-01 to 1960-04-01
Sassa´´´´´´	SASS	Italy	43.2580N	10.6898E	438	From 2010-05-17
Sassocorvaro	SSCV	Italy	43.7798N	12.4975E	331	From 2013-12-04
Sasso d'Italia	SSO	Italy	43.2930N	13.4200E	302	From 1987-05-01
Sassorosso	SARO	Italy	44.1848N	10.4015E	1030	From 1992-05-01 to 2009-09-30
Sasyr	SSYS	Sakha,Russia	65.1580N	147.0750E	580	From 1986-09-01
Satara	STA	Maharashtra,India	17.6950N	74.0000E	665	
Satriano di Lucania, Italy	STN3	Italy	40.5300N	15.6515E	832	From 2006-02-24
Saturna Island	SNB	British Columbia,Canada	48.7750N	123.1710W	405	From 1981-01-28
Saturnia	TSUT	Italy	42.6878N	11.4961E	249	From 2009-09-20
Saty	SATY	Kazakhstan	43.0590N	78.4060E	1400	From 1988-09-01
Saucer Basin, Paradox Valley	PV12	Colorado,U.S.A.	38.3175N	108.8023W	2092	
Sault Sainte Marie	SL-ON	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	SL-	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	E46A	Michigan,U.S.A.	46.3665N	84.3062W	269	From 2012-11-12 to 2013-11-26
Sault St. Marie	D46A	Ontario,Canada	46.8910N	84.0357W	353	From 2012-10-23
Saumlaki	SAUI	Moluccas,Indonesia	7.9826S	131.2998E	110	From 2007-08-24
Saumlaki	SLKI	Moluccas,Indonesia	7.9817S	131.2980E		
Saurbar	ISAU	Iceland	63.9900N	20.4150W	74	From 1989-12-12
Sauteurs	GRHS	Grenada	12.2239N	61.6413W	66	
Savage	C24A	Montana,U.S.A.	47.5302N	104.4252W	713	From 2008-09-18 to 2011-01-13
Savage River	SVR	Tasmania,Australia	41.4667S	145.2170E		
Savane Anatole	SVN	Martinique,France	14.8417N	61.1678W	510	
Savannah	SAV	Tasmania,Australia	41.7208S	147.1890E	180	From 1961-01-01
Savannah River	SRPD	South Carolina,U.S.A.	33.1550N	81.7125W	31	
Savannah River	SRPW	South Carolina,U.S.A.	33.2022N	81.5781W	77	From 1976-08-06
Savannah River	SRPN	South Carolina,U.S.A.	33.3289N	81.5889W	94	
Savo	SVO	Solomon Islands,Papua New Guinea	9.1500S	159.8150E	87	From 1980-06-01 to 1983-01-27
Savonnieres en Perthois	SAVF	Champagne-Ardenne,France	48.6152N	5.1241E	250	From 2014-12-16
Savoonga	SOV	Alaska,U.S.A.	63.6465N	170.4490W	198	From 1976-01-01 to 1983-01-01
Savoonga	SVGA	Alaska,U.S.A.	63.6950N	170.4800W	15	From 1977-08-18
Savuti	SVT1	Botswana	18.5820S	24.0720E	940	From 2001-01-01 to 2100-12-31
Sawahan	SJI	Jawa,Indonesia	7.7349S	111.7669E	723	
Sawahan-Nganjuk, JISNET	SNJI	Jawa,Indonesia	7.7808S	111.7591E	1341	From 2009-01-01
Sawauchi	SAH	Iwate,Japan	39.4033N	140.7720E		
Sawbill Land. Superior Nat. Forest USFS	C38A	Minnesota,U.S.A.	47.7171N	91.2732W	498	From 2010-09-18 to 2012-08-16
Sawmill	SWM	California,U.S.A.	34.7183N	118.5820W	1220	From 1966-03-07
Sawmill	SML	Alaska,U.S.A.	61.8082N	148.3330W	740	
Sawmill Road	JSMM	California,U.S.A.	37.2123N	122.1680W	262	From 1971-07-14
Sawyerville	MLAL	Alabama,U.S.A.	32.7055N	87.6936W	55	
Sayfiye	SAY	Turkey	40.1167N	29.3345E	850	From 1993-01-01
Sayler Ranch, Douglas	C27A	North Dakota,U.S.A.	47.7139N	101.5029W	602	From 2009-07-22 to 2011-06-11
Say'un	SYON	Yemen	15.9417N	48.7833E	0	
S.Benedetto Po	SBPO	Italy	45.0511N	10.9199E	10	From 2005-06-20
S Black Range	SBR	New South Wales,Australia	35.4250S	149.5330E	1265	From 1976-12-01
Scaffel	CSF	England,United Kingdom	54.4478N	3.2430W	540	
Scanlan Farm, Eyota	I38A	Minnesota,U.S.A.	44.0405N	92.3306W	390	From 2010-10-08 to 2012-09-08
Scanteiesti	SCTR	Romania	45.6741N	27.9949E	181	From 2015-07-23
Scarborough	SCB	Ontario,Canada	43.7167N	79.2333W	153	From 1962-05-23 to 1974-12-31
Scarperia	SEI	Italy	44.0544N	11.3564E	610	
SCE Magundon Plant	MAGC	California,U.S.A.	35.3616N	118.9228W	135	
Schaffhausen-Ebnat	SCHE	Switzerland	47.7117N	8.6526E	476	From 2001-06-12
Schaffhausen, Spital	SCHS	Switzerland	47.7115N	8.6365E	517	From 2011-05-01
Schaffner Ranch	SNR	California,U.S.A.	32.8618N	115.4370W	-29	From 1973-04-16
Scheelite	SCHCA	California,U.S.A.	37.3591N	118.6889W	2346	
Schefferville	SV3QB	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SCHQ	Quebec,Canada	54.8319N	66.8336W	501	From 1994-12-20
Schefferville	SV2QB	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SV2	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SCH	Quebec,Canada	54.8167N	66.7833W	540	From 1962-07-11 to 1994-12-12
Schefferville	SV3	Quebec,Canada	54.8108N	66.7500W	579	
Scheggia e Pascelupo	ATSC	Italy	43.4240N	12.6864E	900	From 2012-11-29
Schela	SCHL	Romania	45.5007N	27.8302E	52	From 2014-04-08
Scherman	SRMY	New York,U.S.A.	41.2283N	73.0139W	165	
Schinveld	SCHN	Netherlands	50.9842N	6.0195E	57	
S. Chirico Raparo	SCHR	Italy	40.1992N	16.0759E	968	From 2003-12-05
Schitu	SCHRR	Romania	44.1345N	25.8292E	128	From 1997-09-29
Schlatt-Haslen	SGT04	Switzerland	47.3523N	9.3341E	1049	From 2012-01-15
Schlegeis	SCE	Austria	47.0386N	11.7103E	1737	
Schleitheim	SLE	Switzerland	47.7645N	8.4924E	648	From 1985-12-04
Schloss Buerresheim	BHE	Rheinland-Pfalz,Germany	50.3529N	7.1796E	290	From 2006-01-01
Schmiedefeld	SCHD	Thuringen,Germany	50.5351N	11.2121E	761	From 2008-05-20
SCHO	SCHO	Bolivia	19.1480S	64.6446W	2591	From 1994-05-30 to 1995-08-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Schoenbrunner Berg-Wunsiedel	MSBB	Bayern,Germany	50.0314N	11.9728E	622	From 2001-04-10
Schoenfels	SCHF	Sachsen,Germany	50.6772N	12.4031E	435	From 2007-06-14
Schriesheim-Wilhelmstollen	SWS	Baden-Wurttemberg,Germany	49.4843N	8.7008E	223	From 2000-01-01
Schuetzenmatte (BS)	MATTE	Switzerland	47.5514N	7.5694E	-274	From 2006-10-01
Schurz	Q07A	Nevada,U.S.A.	38.9383N	118.8078W	1275	From 2006-02-27 to 2008-03-13
Schuyler	SU-VA	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schuyler	SU-	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schweizer	SWZ	Transvaal,South Africa	27.1823S	25.3317E	1342	
Schweizerhalle, Novartis	SSCN	Switzerland	47.5316N	7.6697E	268	From 2014-08-15
Scilla	SCLL	Sicily,Italy	38.2563N	15.7143E	81	
Scilla	MSCL	Italy	38.2320N	15.7900E	835	From 1993-12-01
Scipio Center	K57A	New York,U.S.A.	42.7313N	76.5163W	408	From 2013-08-21
Scobie Ranch	PSRM	California,U.S.A.	35.8578N	120.2800W	552	
Scoppito	RM06	Italy	42.3775N	13.2438E	848	From 2009-04-06 to 2009-09-01
Scorciavacca	ESCV	Sicily,Italy	37.7420N	14.8150E	615	From 1989-04-01
Scoresbysund	SCO	Greenland	70.4833N	21.9500W	69	
Scott Base	SBA	Victoria Land	77.8503S	166.7560E	38	From 1957-03-01
Scott Mountain	VSCM	Oregon,U.S.A.	43.3725N	123.0630W	1295	
Scott Ranch	STTC	California,U.S.A.	34.7885N	118.4620W	829	
Scott's Head	DSHT	Dominica	15.2136N	61.3737W	133	
Scotts Head	DSC	Dominica	15.2084N	61.3652W	50	
Scotts Peak	SPK	Tasmania,Australia	43.0383S	146.2750E	425	From 1972-07-01 to 2009-09-03
Scotty Lake	SCT	Alaska,U.S.A.	62.3192N	150.2970W	140	From 1971-08-01 to 1975-06-30
Scourie	RSC	Scotland,United Kingdom	58.3485N	5.1684W	60	From 1995-09-10
Scoval	KSK	Scotland,United Kingdom	57.4653N	6.7020W	250	From 1989-01-01
Scranton	Y58A	South Carolina,U.S.A.	33.9057N	79.6665W	19	From 2013-02-22
Scrawed	SRDI	Jawa,Indonesia	8.4794S	114.1420E	290	From 1991-01-01
S. Croce Del Sannio	SACR	Italy	41.3974N	14.7057E	859	From 2004-06-08
Scrubby Hill	SYZ	South Island,New Zealand	46.5369S	169.1388E	52	From 2006-05-05
Scullys Gap (BLM), Evanston	M17A	Wyoming,U.S.A.	41.4729N	110.6664W	2101	From 2007-10-31 to 2009-10-17
Scuol-Clozza	SCUC	Switzerland	46.7980N	10.3038E	1230	From 1992-08-26
Scurtabo	SC2M	Italy	44.4043N	9.5343E	664	From 2005-01-01 to 2012-03-13
Scyscraper	SCRP	Turkey	40.8653N	28.9918E	39	From 2006-09-26
Seabrook	SBK	South Carolina,U.S.A.	32.5655N	80.1802W	-59	
Seaman Range	SRG	Nevada,U.S.A.	37.8822N	115.0680W	1645	
Searcy	SEAR	Arkansas,U.S.A.	35.2547N	91.7147W	0	
Sears Point	SNT	California,U.S.A.	38.1827N	122.4530W	88	
Seaside	B022	Oregon,U.S.A.	45.9546N	123.9310W	-201	
Seaside	F03A	Oregon,U.S.A.	45.9306N	123.5591W	324	From 2005-11-08 to 2008-11-12
Seaside SMO	SEAS	Oregon,U.S.A.	45.9974N	123.9258W	5	From 2004-01-30
Seatoun	STN	North Island,New Zealand	41.3250S	174.8319E	3	From 1931-01-01 to 1933-03-31
Seattle	STT	Washington,U.S.A.	47.4228N	122.3140W		From 1964-04-01 to 1976-04-30
Seattle	SEA	Washington,U.S.A.	47.6550N	122.3080W	30	From 1906-01-01
Sebes	SBE	Romania	45.5964N	23.6186E	0	
Seborga	NEGI	Italy	43.8477N	7.7038E	640	From 1996-03-01
Sechelt	SHB	British Columbia,Canada	49.5972N	123.8750W	1143	
Second Sedna Site,Hudson Bay	JOSN	Nunavut,Canada	63.1622N	91.5420W	295	From 2006-08-25 to 2010-08-02
Sedan	SDAN	South Australia,Australia	34.5093S	139.3374E	125	
Sedefadasi Cinnet	SEDF	Turkey	40.8483N	29.1433E	0	From 2009-01-01
Sede Social del IESS - Quito	IESS	Ecuador	0.1756S	78.4910W	2828	
Sedlovina	SDLR	Kamchatskaya Oblast',Russia	53.2781N	158.8840E	1235	
Sedrio (Vezzano sul Crostolo) - RE	RE04	Italy	44.6083N	10.5205E	255	From 2008-12-28 to 2009-02-12
See Canyon	PSEM	California,U.S.A.	35.2452N	120.7650W	201	
Seeley Lake	SLMT	Montana,U.S.A.	47.2418N	113.4935W	1701	
Sefi@18d Ru@18d	SEF	Iran	36.7583N	49.3833E	243	
Sefi@18d Ru@18d	SRI	Iran	36.7583N	49.3833E	243	
Sefidab	ISFB	Iran	34.3518N	52.2406E	948	From 1996-01-01
Sefro	SEF1	Italy	43.1468N	12.9476E	512	From 2011-03-21
Segre	SGR	Pays de la Loire,France	47.7094N	0.9230W	90	From 1973-01-01
Sehore	SEH	Madhya Pradesh,India	23.1667N	77.0833E		
Seigler Mountain	GSGM	California,U.S.A.	38.8667N	122.7100W		From 1974-07-02
Sejong Station	SEJ	South Shetland Islands	62.2208S	58.7528W	18	
Sekisonzan	SSZ	Nagano,Japan	36.3867N	138.5208E	1869	
Sela	SELA	Greece	38.2756N	21.8926E	611	From 2006-07-28
Selb-Vielitz	VIEL	Bayern,Germany	50.1856N	12.1028E	670	From 1996-03-19
Selden	P30A	Kansas,U.S.A.	39.5442N	100.2468W	788	From 2009-05-15 to 2011-04-03
Seldovia	XLV	Alaska,U.S.A.	59.4547N	151.7220W	380	From 1987-01-01
Seldovia	SLV	Alaska,U.S.A.	59.4713N	151.5810W	91	
Seligman	W14A	Arizona,U.S.A.	35.2127N	113.0834W	1756	From 2006-03-10 to 2008-10-20
Seligman	SG-	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Seligman	SG-AZ	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Sellapark	SLPK	England,United Kingdom	54.4336N	3.4885W	50	From 2004-07-01
Selova	SELS	Serbia	43.2195N	21.1190E	543	From 2002-05-21
Selva	ESEL	Balearic Islands,Spain	39.7682N	2.8943E	231	From 1988-07-01
Selvarotonda (Cittareale)	RM21	Italy	42.6278N	13.1416E	1454	From 2009-04-09 to 2010-03-03
Semalu	ESM	New Britain,Papua New Guinea	4.2770S	152.6860E	50	
Semarang	SMRI	Jawa,Indonesia	7.0492S	110.4407E	203	From 2006-11-01
Semdilli	SEMD	Turkey	37.3473N	44.5208E	1910	From 2005-09-28
Semeru Mts	SMR	Jawa,Indonesia	8.1000S	112.9000E		
Semigandzh	SGZ	Tajikistan	38.6500N	69.0000E	0	
Semipalatinsk	SEM	Kazakhstan	50.4080N	80.2500E	2100	From 1934-10-19
Semis' Anvil Peak	CEAP	Alaska,U.S.A.	52.0024N	179.5778E	244	
Semis' Cerberus	CERB	Alaska,U.S.A.	51.9314N	179.6297E	305	
Semisopochnoi Island	SSI	Alaska,U.S.A.	51.8924N	179.5880E	178	From 1970-10-17 to 1973-04-30
Semis' Perret Rge	CEPE	Alaska,U.S.A.	51.9658N	179.6492E	335	
Semis' Rag'd Top	CERAA	Alaska,U.S.A.	51.9070N	179.6846E	305	
Semis' Southwest	CESW	Alaska,U.S.A.	51.9010N	179.5633E	238	
Semis' Tuman	CETU	Alaska,U.S.A.	51.9661N	179.4942E	335	
Semkarok	SMKR	Kamchatskaya Oblast',Russia	56.5820N	161.4680E	898	From 2005-09-10
Semlyachik	SEL	Kamchatskaya Oblast',Russia	54.1167N	159.9833E		
Semnan-Aivanekay	SMAV	Iran	35.2873N	52.1541E	1000	From 2004-01-01 to 2004-09-01
Semponon	SEMI	Sumatera,Indonesia	2.4603N	98.3917E	1750	
SEND	SEND	Washington,U.S.A.	46.1935N	122.1854W	2100	
Sendai	SEN	Miyagi,Japan	38.2600N	140.9000E	38	
Seneca	SA-	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca	SA-OR	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca 1, Swea City	J36A	Iowa,U.S.A.	43.3292N	94.3395W	370	From 2010-10-07 to 2012-09-16
Seneffe	SNF	Belgium	50.5086N	4.2833E	108	From 1985-07-01
Senekal	SEK	Orange Free State,South Africa	28.3233S	27.6250E	1486	
Senerchia	SNR3	Italy	40.7357N	15.1927E	1009	
Senigallia	SENI	Italy	43.7052N	13.2331E	10	From 2006-07-27
Senkaya-Erzurum	SENK	Turkey	40.5614N	42.3505E	1939	From 2011-05-04
Sennhˆ…lsen	SGT00	Switzerland	47.4240N	9.3103E	525	From 2012-01-15
Sentinel	W32A	Oklahoma,U.S.A.	35.1238N	99.2458W	494	From 2009-10-28 to 2011-09-04
Senzan	SNZ	Hyogo,Japan	34.3530N	134.8410E	370	From 1972-01-22
Seogwipo	KSSGP	Republic of Korea	33.2587N	126.4994E	222	From 2001-11-21 to 2003-12-01
SEOHWA	SEHB	Republic of Korea	38.2686N	128.2525E	393	From 2009-01-01
Seongsanpo	KSSSP	Republic of Korea	33.3868N	126.8804E	18	From 2001-11-21
Seosan	KSSES	Republic of Korea	36.7893N	126.4531E	99	From 2000-12-19
Seoul	KSSEO	Republic of Korea	37.4879N	126.9188E	33	From 1998-10-29
Seoul	SEO	Republic of Korea	37.5667N	126.9670E	86	From 1945-01-01
Separation Peak, Rawlins	M21A	Wyoming,U.S.A.	41.6067N	107.3635W	2275	From 2007-11-01 to 2009-10-09
Sept-Chutes	SFA	Quebec,Canada	47.1244N	70.8268W	230	From 1927-01-01
September Lobe	SEPW	Washington,U.S.A.	46.2002N	122.1906W	2116	
Sept Iles	SIC	Quebec,Canada	50.1720N	66.7380W	283	
Sequim	SQM	Washington,U.S.A.	48.0739N	123.0470W		
Serang	SBJI	Jawa,Indonesia	6.1200S	106.1300E	0	
Serdivan-Sakarya	SAUV	Turkey	40.7401N	30.3271E	165	From 2012-02-07
Sereflikochisar	SERE	Turkey	38.9463N	33.5640E	1216	From 2010-06-29
Seremai	QARU	Tanzania,United Republic of Tanzania	3.5238S	35.6123E	1367	
Sergokala	SGKR	Dagestan,Russia	42.4597N	47.6583E	500	
Sergoula	SERG	Greece	38.4133N	22.0566E	477	From 1998-07-01
Serifos	SERI	Greece	37.1609N	24.4853E	460	From 2010-07-28
Sermide	SERM	Italy	45.0100N	11.2958E	-128	From 2012-01-19
Sermur	SER	Limousin,France	45.9775N	2.4300E	710	
Serra Branca	SRBC	Azores,Portugal	39.0366N	28.0409W	300	
Serracapriola	FG2	Italy	41.8048N	15.1609E	241	
Serra de Santa Barbara	PSBA	Azores,Portugal	38.7673N	27.3247W	453	
Serra di Burano	ATBU	Italy	43.4757N	12.5483E	1000	From 2009-10-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Serra do Cume	PSCM	Azores,Portugal	38.7007N	27.1173W	360	
Serra do Cume	SCUM	Azores,Portugal	38.6975N	27.1201W	316	From 1983-03-01
Serra do Socorro	PSSC	Portugal	39.0153N	9.2336W	375	
Serra Facao	SFA1	Goias,Brazil	17.9707S	47.7018W	766	From 2008-01-01
Serrai	SRS	Greece	41.1172N	23.5922E	400	From 1981-01-01
Serra La Nave	ESLN	Sicily,Italy	37.6934N	14.9744E	1787	From 2005-07-13
Serra Nova Dourada	SNDB	Mato Grosso,Brazil	11.9742S	51.2943W	252	From 2013-11-05
Serra Pizzuta	ESPC	Sicily,Italy	37.6917N	15.0273E	1600	From 1985-12-01
Serra Sant'Abbondio	MSSB	Italy	43.4947N	12.7828E	421	From 2010-12-28
Serres	SRS1	Greece	41.0850N	23.5410E	200	From 2008-10-01
Serretta (MS)	T0914	Italy	44.0796N	10.2065E	334	From 2013-06-22
Sersale	SERS	Italy	39.0359N	16.6886E	1221	From 2005-10-19
Serting	ST16	Xizang Zizhiqu,China	31.8880N	89.4984E	4505	From 1998-07-24 to 1998-09-24
Serui, Papua	SRPI	Papua New Guinea	1.8700S	136.2400E	87	From 2008-12-01
Serv Nac Est Terr	SNET	El Salvador	13.6868N	89.2315W	775	
Sesta Godano	STDG	Italy	44.2939N	9.6758E	252	From 2013-06-26 to 2013-07-14
Sete Cidades	SETA	Azores,Portugal	37.8131N	25.7513W	675	From 1990-05-22
Sete Cidades	PSET	Azores,Portugal	37.8233N	25.7208W	475	From 2001-06-16
Setif	SET	Algeria	36.2000N	5.4000E	1000	From 1958-09-01
Settepolesini, Bondeno (FE)	CAS03	Italy	44.8997N	11.4659E	5	From 2012-05-23
Setubal (Portugal)	SETU	Portugal	38.5024N	8.9579W	118	From 2008-07-02
Sevastopol	SEVA	Ukraine	44.5300N	33.6800E	136	From 2012-10-12
Sevastopol'	SEV	Ukraine	44.5450N	33.6680E	42	
Sevenhill	SNL	South Australia,Australia	33.8872S	138.6390E	480	From 1967-01-01 to 1971-12-31
Sevenoaks	TSA1	England,United Kingdom	51.2426N	0.1561E	177	From 1989-01-01
Seven Oaks Dam	SVD	California,U.S.A.	34.1064N	117.0982W	574	
Severo-Baykalsk	SVBS	Buryatiya,Russia	55.6400N	109.3500E	490	
Severo-Kuril'sk	SKR	Sakhalinskaya Oblast',Russia	50.6830N	156.1170E	22	
Severomuysk	SVKR	Buryatiya,Russia	56.1169N	113.5589E	850	
Severo-Muysk	SVK	Buryatiya,Russia	56.1839N	113.5189E	850	
Severouralsk	SVUR	Sverdlovskaya Oblast',Russia	60.1985N	59.9778E	-139	From 2007-06-09
Sevier Lake (BLM), Delta	Q14A	Utah,U.S.A.	38.9882N	113.2769W	1464	From 2007-06-11 to 2008-11-17
Sevierville	V52A	Tennessee,U.S.A.	35.8417N	83.5959W	328	From 2012-05-14
Sevinc	SGT	Turkey	36.9438N	31.5008E	205	From 1975-04-01
Sewanee	SWTN	Tennessee,U.S.A.	35.3002N	86.0763W	305	
Sewanee	SWET	Tennessee,U.S.A.	35.2163N	85.9320W	581	
Seward	SEW	Alaska,U.S.A.	60.1037N	149.4490W	55	From 1972-08-22
Seward Park	SPW	Washington,U.S.A.	47.5535N	122.2471W	8	From 1969-09-17 to 2009-04-08
Seward Park 2	SP2	Washington,U.S.A.	47.5563N	122.2492W	30	
Sexfontaines	SFTF	Champagne-Ardenne,France	48.2050N	5.0383E	399	
Seychelles	SEYC	Seychelles	4.0833S	55.0833E		From 1913-01-01 to 1942-12-31
Seydisehir	SYT	Turkey	37.3047N	31.8750E	1530	From 1976-01-01 to 1981-01-31
Seydisehir-KONYA	SEYD	Turkey	37.4057N	31.8380E	1160	From 2014-02-04
Seymchan	SEY	Magadanskaya Oblast',Russia	62.9328N	152.3822E	218	
Seymchan - Ulakhan Temp Deploy	SS42	Magadanskaya Oblast',Russia	62.6551N	152.3267E	233	From 2007-08-01 to 2007-09-01
Seymchan - Ulakhan Temp Deploy	SS40	Magadanskaya Oblast',Russia	62.8247N	152.2816E	214	From 2007-08-01 to 2007-09-01
Seymchan - Ulakhan Temp Deploy	SS41	Magadanskaya Oblast',Russia	62.7508N	152.5096E	205	From 2007-08-01 to 2007-09-01
Seymour	SM-TX	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Seymour	SM-	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Sfakia	SFK1	Crete,Greece	35.2555N	24.1726E	768	From 2011-09-15
S. Felix do Tocantins -TO	RET13	Tocantins,Brazil	10.1824S	46.6419W	364	From 2011-09-12
Sfinta Ana	AAR	Romania	46.1333N	25.8950E	1101	
Sfrayin	ISFR	Iran	37.0538N	58.0000E	2448	From 1997-03-01
Sgolgore (BA)	SG1	Italy	40.8400N	16.6790E	523	From 1988-07-01
Sgonico	FSGC	Italy	45.7100N	13.7640E	272	From 2012-07-01
Sha@18hru@18d	SHD	Iran	36.4333N	54.9417E	1500	From 1975-03-01
Shaartuz	SHTS	Tajikistan	37.2667N	68.1333E		
Shabestar	ISHB	Iran	38.2833N	45.6170E	2150	From 1995-08-01
Shabla	SHAB	Bulgaria	43.5389N	28.6057E	43	From 2012-11-20
Shadegan	SSHG	Iran	30.6575N	48.6411E	5	From 2010-08-11
Shahbuz	SBZ	Azerbaijan	39.3970N	45.5530E	1202	From 2011-11-30
Shahmirzad	ISHM	Iran	35.8067N	53.2922E	2500	From 1999-05-01
Shahrakht	SHRT	Iran	33.6460N	60.2910E	837	From 2008-09-13
Shahran	ISHR	Iran	35.8061N	51.2889E	1470	From 1996-01-01
Shahrood	SHRO	Iran	35.9900N	56.0100E	1264	From 2009-02-04
Shai Hills	SHGH	Ghana	5.9283N	0.0419W	84	From 1987-01-01
Shakotan	JSK	Shiribeshi,Japan	43.3525N	140.4757E	10	
Shalim	SHAO	Oman	18.0228N	55.6251E	292	From 2004-12-01
Shalkode	SHLS	Kazakhstan	43.1570N	79.4620E	1368	From 2004-06-02
Shamm	SHME	United Arab Emirates	26.0490N	56.1413E	524	
Shamokin	SH-	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamokin	SH-PA	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamrock	SK-TX	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shamrock	SK-	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shandon	PSHM	California,U.S.A.	35.5908N	120.4150W	390	
Shandon	TCHL	California,U.S.A.	35.6881N	120.4009W	431	From 2013-06-19
Shangus	SHN2	Pakistan	35.7210N	74.8220E	1702	From 2012-01-01
SHANNON INFRASONIC ARRAY REFERENCE POINT	WAU	Western Australia,Australia	34.5976S	116.3567E	167	From 2006-02-01
Shannon Station	SNGZ	North Island,New Zealand	38.7815S	177.3399E	488	From 2009-06-30
Sharaf	SHRF	Saudi Arabia	28.9460N	35.1090E	1000	
Sharaf	SRFA	Saudi Arabia	28.9300N	35.1880E	725	From 1986-01-01 to 1995-12-31
Sharm el Sheik	SHRM	Egypt	27.8925N	34.1322E	284	
Sharm el Sheik	SH2	Egypt	27.8817N	34.0833E	185	From 2010-06-30
Sharon Grove	T47A	Kentucky,U.S.A.	36.9881N	87.1055W	217	From 2011-11-19
Sharon Springs	Q28A	Kansas,U.S.A.	39.0623N	101.8309W	1133	From 2009-05-10 to 2011-03-23
Sharp Cattle Ranch, Aspermont	Z31A	Texas,U.S.A.	33.3183N	100.1435W	547	From 2009-03-17 to 2011-02-08
Sharpitor	SHT	England,United Kingdom	50.5106N	4.0356W	0	
Shasta Dam	SHS	California,U.S.A.	40.6950N	122.3880W	312	From 1942-01-01 to 1964-05-30
Shatzhatmas	SHAR	Stavropol'skiy Kray,Russia	43.7428N	42.6686E	2070	
Shawbak	SHWJ	Jordan	30.3830N	35.5000E	1734	From 1989-11-01
Shawinigan Falls	SHF	Quebec,Canada	46.5517N	72.7633W	60	From 1928-01-01 to 1965-12-08
Shawnee State University	SSUO	Ohio,U.S.A.	38.7290N	82.9890W	162	
Shawville	LDSQ	Quebec,Canada	45.7127N	76.3469W	257	From 2013-05-17
SHBE	SHBE	Eritrea	15.8545N	39.0547E	225	
Shebutintsy	NDNU2	Ukraine	48.6660N	27.1970E	258	
Sheep	HSPM	California,U.S.A.	37.1152N	121.5160W	850	
Sheep Canyon	SCU	Utah,U.S.A.	39.4873N	110.2420W		From 1962-01-01 to 1977-03-31
Sheep Creek Facility	SCF	Alaska,U.S.A.	61.9947N	150.0390W	67	From 1971-08-01 to 1975-06-30
Sheep Creek Mountain	SCM	Alaska,U.S.A.	61.8333N	147.3280W	1020	
Sheep Hole Mountains	SHH	California,U.S.A.	34.1877N	115.6540W	1122	
Sheep Mountain BLM, Rosette	M14A	Utah,U.S.A.	41.5030N	113.3471W	1318	From 2007-02-10 to 2008-08-21
Sheeppen Canyon, Tinnie	Z24A	New Mexico,U.S.A.	33.3298N	105.3649W	1863	From 2008-05-15 to 2010-03-06
Sheep Range	SHRG	Nevada,U.S.A.	36.5048N	115.1559W	1641	From 1979-05-22 to 2002-10-10
Sheep Range	SHPR	Nevada,U.S.A.	36.5055N	115.1602W	1590	
Sheffield	SFF	Tasmania,Australia	41.3375S	146.3080E	213	From 1969-08-04 to 2009-09-03
Sheffield	M42A	Illinois,U.S.A.	41.4546N	89.7581W	212	From 2011-07-30
Sheikh Budin	SBDP	Pakistan	32.2997N	70.8072E	1356	
Sheil Bridge	KSB	Scotland,United Kingdom	57.2098N	5.4230W	70	From 1983-01-01
Sheki	SEKA	Azerbaijan	41.2090N	47.1980E	847	From 2003-08-01
Shelburne	I52A	Ontario,Canada	44.0680N	80.1770W	505	From 2012-11-17
Shelby Farms Park, Memphis	W44A	Tennessee,U.S.A.	35.1395N	89.8161W	101	From 2011-05-12 to 2013-03-13
Shelby Forest	SFTN	Tennessee,U.S.A.	35.3575N	90.0187W	-23	From 1979-08-02
Shelbyville	R49A	Kentucky,U.S.A.	38.2916N	85.1714W	251	From 2012-06-06
Shell Creek	SCE1	Oklahoma,U.S.A.	35.4390N	97.8140W	408	
Shelter house	SHTH	Turkey	40.8767N	28.9729E	5	From 2006-09-27
Shemya	SQ-IS	Alaska,U.S.A.	52.7269N	174.1092E	61	
Shemya	SHY	Alaska,U.S.A.	52.7333N	174.1330E		
Shemya	SMY	Alaska,U.S.A.	52.7295N	174.0994E	58	
Shemya Is, Alaska	SHEM	Alaska,U.S.A.	52.7295N	174.0994E	55	From 2015-01-15
Shenavan	KMLS	Armenia	40.8767N	44.2633E	1844	
Shenavan	SHNS	Armenia	40.8600N	44.2200E	1400	
Shenyang	SNY	Liaoning,China	41.8278N	123.5780E	54	From 1983-08-01
Shenyang	FEN	Liaoning,China	41.7833N	123.4000E	25	
Sherbrooke	SBQ	Quebec,Canada	45.3783N	71.9263W	265	From 1980-08-12
Sheridan	O47A	Indiana,U.S.A.	40.2361N	86.1742W	278	From 2011-10-21
Sheriff Wilson	SWNG	California,U.S.A.	37.6382N	118.8920W	2188	From 1979-11-11
Sherman	F64A	Maine,U.S.A.	45.8633N	68.3496W	179	From 2013-09-23
Sherman Crater--Mount Baker	SCW	Washington,U.S.A.	48.7675N	121.8170W	2990	From 1975-03-31 to 1976-10-01
Sherman Glacier	SGAM	Alaska,U.S.A.	60.5012N	145.2070W	424	From 1976-08-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sherman Twp	I48A	Michigan,U.S.A.	44.1873N	83.7022W	192	From 2012-11-06
Sherwin Lakes	MSLM	California,U.S.A.	37.6167N	118.9566W	2479	
Sherwood	L47A	Michigan,U.S.A.	41.9756N	85.2021W	282	From 2012-07-23
Sherwood Peak	KSPM	California,U.S.A.	39.5173N	123.5010W	869	
Sheshan	ZSC*	Jiangsu,China	31.0967N	121.1860E	90	
Sheshan	ZKW	Jiangsu,China	31.1833N	121.4330E	7	
Sheshan	SSE	Jiangsu,China	31.0956N	121.1867E	15	From 1976-11-15
Sheshan	ZSC	Jiangsu,China	31.0956N	121.1870E	10	From 1976-11-15
Shezaf	SZAF	Israel	30.9000N	34.5500E	290	
Shibata	SBH	Niigata,Japan	37.9656N	139.4538E	140	
Shiboa	JSB	Tochigi,Japan	36.9683N	139.9200E	460	
Shichikawa	SKW	Wakayama,Japan	33.5880N	135.6900E	120	From 1958-04-01
Shide	SHID	England,United Kingdom	50.6833N	1.2833W		
Shidnytsya	SHIU	Ukraine	49.2234N	23.3621E	580	From 2006-11-14
Shidzhatmaz	SHA1	Stavropol'skiy Kray,Russia	43.7380N	42.6571E	2120	From 2009-06-13
Shields Creek	CLAP	British Columbia,Canada	53.3217N	132.4110W	60	
Shigry	SHQRE	Saudi Arabia	27.8970N	36.1710E	1199	
Shikano	SNTD	Tottori,Japan	35.4105N	134.0204E	200	
Shikinejimakita	JSKK	Tokyo,Japan	34.3347N	139.2107E	39	From 2012-07-01
Shikotan	SKT*	Sakhalinskaya Oblast',Russia	43.8667N	146.8000E		
Shikotan	SHO	Sakhalinskaya Oblast',Russia	43.8700N	146.8300E	55	
Shiliguri	SLGI	India	26.7000N	88.4167E		
Shilin	ESL	Taiwan region	23.8140N	121.4330E	178	
Shillong	SHIO	Meghalaya,India	25.5667N	91.8833E	1600	
Shillong	SHL	Meghalaya,India	25.5667N	91.8833E	1600	From 1953-01-01
Shimam	JSH	Hiyama,Japan	42.6430N	140.0448E	72	
ShimaneMisato	JGT2	Shimane,Japan	35.0635N	132.5070E	150	From 2011-03-01
Shimbara	SHV	Nagasaki,Japan	32.7706N	130.3631E	50	
Shimen	NSM	Taiwan region	25.2878N	121.5886E	55	From 2014-08-07
Shimizu	SHM	Kochi,Japan	32.7750N	132.9580E	2	
Shimob	JYN	Yamanashi,Japan	35.4977N	138.5443E	775	
Shimobe	SBJ	Yamanashi,Japan	35.4157N	138.4834E	202	
Shimogamo	SGMN	Shizuoka,Japan	34.6472N	138.8550E	49	
Shimohsa	SMJ	Chiba,Japan	35.7934N	140.0238E	-2277	
Shimokamo	SMK	Shizuoka,Japan	34.6458N	138.8544E	20	
Shimokoshiki	JSJ	Kagoshima,Japan	31.6780N	129.7158E	240	
Shimonomoto	SMJD	Gifu,Japan	36.3941N	137.3864E	960	
Shimonoseki	SHN1	Yamaguchi,Japan	33.9450N	130.9280E	18	From 1984-01-01
Shimonoseki 2	SHNJ	Yamaguchi,Japan	34.1250N	131.1080E	20	
Shimonoseki 3	SHN	Yamaguchi,Japan	33.9533N	130.9400E	46	
Shimotochinai	K03	Iwate,Japan	39.3583N	141.5775E	289	
Shimoyama	SYJ	Aichi,Japan	35.0365N	137.3155E	303	
Shinagawa	SIN	Tokyo,Japan	35.6167N	139.7500E		
Shindian Village	TNSD	Taiwan region	24.5400N	120.9210E	210	From 2001-04-10
Shingle Point	SPY	Yukon Territory,Canada	68.9220N	137.2600W	35	From 1982-10-05
Shinhua	CHN3	Taiwan region	23.0760N	120.3650E	50	
Shinhuzimiza	SHZE	Nagano,Japan	36.3992N	138.5358E	2256	
Shinkiari	SIP	Pakistan	34.4667N	73.2992E	1448	
Shinkiari	SHI1	Pakistan	34.4830N	73.3060E	1544	From 1973-08-23
Shinpukuji	SPJN	Gifu,Japan	35.4537N	136.7930E	65	
Shinshiroyabe	JSSY	Aichi,Japan	34.9142N	137.5073E	67	From 2011-11-01
Shinshu-shinm'i	SSJ	Nagano,Japan	36.5715N	138.0400E	580	From 1967-08-01 to 1973-03-31
Shiocton	H42A	Wisconsin,U.S.A.	44.5091N	88.5311W	244	From 2011-09-30 to 2013-06-13
Shiono misaki	SHJ	Wakayama,Japan	33.4483N	135.7630E	75	
Ship Mountains	SPM	California,U.S.A.	34.4720N	115.4030W	915	
Shira	SHRR	Krasnoyarskiy Kray,Russia	54.4928N	90.1614E	388	From 2000-06-26
Shirahama	SHRD	Kagoshima,Japan	31.6100N	130.6750E	160	
Shirakawa	SHR	Fukushima,Japan	37.1290N	140.2192E	355	
Shirakawa	SRJD	Gifu,Japan	35.5777N	136.4160E	380	
Shirakawa 2	SHRJ	Fukushima,Japan	37.0767N	140.2330E	395	From 1990-04-24
Shiraki	SHK	Hiroshima,Japan	34.5322N	132.6780E	285	From 1965-07-21
Shirataka	JYS	Yamagata,Japan	38.2210N	140.0655E	300	
Shiraz	SHI	Iran	29.6418N	52.5133E	1595	From 1963-05-10
Shiriuchi	JSR	Hiyama,Japan	41.5295N	140.4178E	55	
Shiroyama	SRY	Kanagawa,Japan	35.6083N	139.2740E	254	From 1967-06-01
Shirttail Gulch	BSGM	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirttail Gulch	SHG	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirvan	ISHV	Iran	37.5347N	57.7027E	1925	From 1997-03-01
Shishaldin	SSBA	Alaska,U.S.A.	54.7727N	164.1245W	766	
Shishaldin North	SSLN	Alaska,U.S.A.	54.8118N	163.9959W	637	
Shishaldin South	SSLS	Alaska,U.S.A.	54.7120N	163.9988W	817	
Shishaldin West	SSLW	Alaska,U.S.A.	54.7718N	164.1214W	628	
Shiura	JSI	Aomori,Japan	41.0547N	140.3967E	40	
Shiura 2	JSI2	Aomori,Japan	41.0575N	140.4112E	60	
Shiveluch	SVLR	Kamchatskaya Oblast',Russia	56.5769N	161.2200E	840	
Shiveluch-Kupola	KPLS	Kamchatskaya Oblast',Russia	56.6100N	161.3000E	1650	From 1986-01-01 to 1993-04-30
Shivlakha	SHIV	Gujarat,India	23.2918N	70.3390E	67	From 2012-01-01
Shivta	SVTA	Israel	30.9300N	34.6200E	370	
Shizi	SLIU	Taiwan region	22.2162N	120.7990E	197	From 2014-07-28
Shizugawa	SZG	Kyoto,Japan	34.8882N	135.8319E	70	
Shizuoka	SHZ	Shizuoka,Japan	34.9733N	138.4070E	14	
Shizuoka 2	SHZJ	Shizuoka,Japan	35.0278N	138.4227E	40	From 1989-03-25 to 1993-03-24
Shizuoka 3	SHZ3	Shizuoka,Japan	35.0658N	138.2100E	710	From 1993-03-29
Shkodra	SDA	Albania	42.0519N	19.4986E	10	
Shoal	SZ-	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoal	SZ-NV	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoalbay	SHOA	Andaman Islands,India	11.5179N	92.4420E	15	From 2012-01-01
Shoe Peg Valley	SPVI	Idaho,U.S.A.	44.5842N	116.7710W	1100	From 1991-09-01
Shokan	L60A	New York,U.S.A.	41.9890N	74.2226W	388	From 2013-09-04
Shonto	U17A	Arizona,U.S.A.	36.5996N	110.6624W	1976	From 2007-06-08 to 2009-02-09
Shooshtar-Gavsavar	SHGR	Iran	32.1083N	48.8013E	150	From 2002-04-01
Shoreham	I60A	Vermont,U.S.A.	43.8440N	73.2916W	101	From 2013-09-20
Shoreline CC	SCCW	Washington,U.S.A.	47.7496N	122.3611W	0	
Shori	SHO1	Pakistan	35.5000N	73.3660E	990	From 2007-09-01
Short Canyon	WSCM	California,U.S.A.	35.7043N	117.8860W	881	
Short Mountain	SMTN	Tennessee,U.S.A.	36.3820N	83.1820W	768	
Shosan	JSS	Rumoi,Japan	44.3997N	141.8530E	110	
Shoshone NF, Cody	H18A	Wyoming,U.S.A.	44.6769N	109.6641W	2221	From 2008-08-15 to 2010-06-08
Shoshone Peak	SSP	Nevada,U.S.A.	36.9253N	116.2194W	2095	From 1973-10-10 to 2002-10-10
Shoshone, Tecopa	SHOC	California,U.S.A.	35.8995N	116.2753W	451	From 1996-10-14
Shoshoni	J20A	Wyoming,U.S.A.	43.3531N	108.0842W	1500	From 2008-08-09 to 2010-09-11
Shoshtar	ISHO	Iran	32.2891N	48.0223E	0	From 1998-01-01
Shoufeng	ENLB	Taiwan region	23.9036N	121.6017E	71	From 2002-12-02
Shoufeng Township	ESF	Taiwan region	23.8710N	121.5070E	28	From 1998-08-07
Shoushan	TWM	Taiwan region	22.6417N	120.2510E	70	From 1972-09-09
Shoushan	TWM1	Taiwan region	22.8233N	120.4226E	340	From 1977-03-28
Showa-Shinzan	SHOH	Iburi,Japan	42.5352N	140.8617E	192	
Shuangxi	TIPB	Taiwan region	24.9719N	121.8256E	393	From 2009-05-17
Shubertovo	SBRT	Kamchatskaya Oblast',Russia	55.9550N	162.0070E	34	From 1983-07-01 to 1983-09-01
Shui	SHUI	Tyva,Russia	50.8867N	90.3333E	1170	From 1964-08-16 to 1971-09-30
Shuksan-Mt. Baker Ski Area	SHUK	Washington,U.S.A.	48.8528N	121.6770W	1516	
Shullsburg	K41A	Wisconsin,U.S.A.	42.6071N	90.3046W	298	From 2011-06-20 to 2013-05-13
Shurtz Canyon	SZCU	Utah,U.S.A.	37.5954N	113.0875W	2026	From 2009-10-22
Shushi	SUSZ	Armenia	39.7650N	46.7530E	1250	From 1998-01-01
Shushtar	SHGO	Iran	32.1083N	48.8013E	50	From 2004-06-01
Shuyak Island	SYI	Alaska,U.S.A.	58.6100N	152.3910W	149	From 1990-08-27
Shuyak Island	SHU	Alaska,U.S.A.	58.6281N	152.3490W	34	From 1974-01-01
Shwairf	LSHF	Libya	29.9868N	14.2477E	429	
Siatista	SIA1	Greece	40.2573N	21.5535E	941	From 2011-04-01
Sibayak Dolok	SIBI	Sumatera,Indonesia	3.2408N	98.5044E	2050	From 1991-10-01
Sibenik	SEB	Croatia	43.7333N	15.9000E		
Sibinal	SBG	Guatemala	15.1320N	92.0535W	2860	From 1986-03-01
Sibiti River	MWSR	Tanzania,United Republic of Tanzania	3.8388S	34.6437E	1028	
Sibiu	SIBR	Romania	45.8099N	24.1758E	463	From 2007-11-07
Sibolga	SBSI	Sumatera,Indonesia	1.5500N	98.8900E	147	From 2005-01-01
Sibu	SBUM	Sarawak,Malaysia	2.4500N	112.2200E	30	From 2003-11-01
Sibulan	SNPH	Mindanao,Philippines	9.3430N	123.2360E	520	
Sicasica	SCS	Bolivia	17.2847S	67.8153W	3900	
Sicasica	SICA	Bolivia	17.2924S	67.7490W	4065	From 1994-05-30 to 1995-04-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sicignano	SGO	Italy	40.5604N	15.3074E	651	
Sida	SID	Iceland	63.7858N	18.0583W	26	
Sides Ranch, Smithwick	J26A	South Dakota,U.S.A.	43.3126N	103.0752W	993	From 2009-07-31 to 2011-06-01
Sidewinder Mine	SDW	California,U.S.A.	34.6092N	117.0740W	1184	From 1975-02-01
Sidi-Bou-Said	SBS	Tunisia	36.8700N	10.3500E	125	
Sidi Chahed	SICH	Morocco	34.1040N	5.3170W	297	
Sidi Gnaou	SGNT	Tunisia	33.6608N	9.8702E	90	
Sidi Ifni	SFNM	Morocco	29.3340N	10.1660W	0	
Sidi Yaiche	SYA	Tunisia	34.7418N	8.8070E	550	
Sidney	PGC	British Columbia,Canada	48.6500N	123.4510W	5	From 1978-03-18
Sidney Island	SILB	British Columbia,Canada	48.6020N	123.2815W	76	
Sidrap Palu	SPSI	Sulawesi,Indonesia	3.9646S	119.7691E	0	From 2007-12-01
Sid's House	HGSB	British Columbia,Canada	53.2557N	132.1048W	92	From 2012-11-17
Siegrist	RDS	Alaska,U.S.A.	64.8265N	148.1450W	510	From 1977-06-01
Siena	SIE	Italy	43.3200N	11.3122E	349	
Sierra Bellavista	BO02	O'Higgins	34.7925S	70.7815W	886	From 2014-01-16
Sierra Blanca Array Site 1	SB1	Texas,U.S.A.	31.2100N	105.4378W	1570	
Sierra Blanca Array Site 2	SB2	Texas,U.S.A.	31.2117N	105.2900W	1379	
Sierra Blanca Array Site 3	SB3	Texas,U.S.A.	31.0983N	105.2983W	1384	
Sierra Cabrera	ASCB	Spain	37.0393N	2.0057W	0	
Sierra de Lcar, Granada	E026	Spain	37.4952N	2.5945W	1086	From 2007-09-11 to 2009-06-25
Sierra de Lijar	ELIJ	Spain	36.9178N	5.3808W	870	
Sierra del Retn, Cadiz	E001	Spain	36.1742N	5.8392W	346	From 2007-06-28 to 2009-05-01
Sierra Elvira	ELVI	Spain	37.2505N	3.7023W	860	
Sierra Elvira	SELV	Spain	37.2383N	3.7277W	650	
Sierra Gorda, Loja, Granada	EGOR	Spain	37.1101N	4.1096W	1378	From 2011-02-01
Sierra La Laguna	SLBS	Baja California,Mexico	23.6858N	109.9443W	825	
Sierra Loja	ELOJ	Spain	37.1477N	4.1526W	998	From 1993-11-29
Sierra Morrones	ASMO	Spain	37.3580N	3.7430W	1170	
Sierra Prieta	DR14	Dominican Republic	18.6447N	70.0078W	0	
Sierra Ventana	VBA	Buenos Aires,Argentina	38.0539S	61.9756W	495	
Sierre	SIERE	Switzerland	46.3853N	7.4734E	2910	From 1974-09-10 to 2002-02-15
Siete Picos	DR15	Dominican Republic	18.7503N	70.1773W	800	
Siggri Mitillinis	SGR1	Greece	39.2114N	25.8553E	22	From 2011-01-30
Sigillo	A004	Italy	43.3304N	12.7364E	472	From 2011-02-08
Siglufjorour	ISIG	Iceland	66.1320N	18.9150W	10	From 1993-10-26
Sigmaringen-Wittberg	SGW	Baden-Wurttemberg,Germany	48.1068N	9.2150E	700	From 1994-01-01
Signal de Mont	SMF	Bourgogne,France	46.6453N	3.8411E	459	From 1976-05-01
Signal Hill	SIH	Trinidad and Tobago	11.1722N	60.7708W	80	
Signal Mountain	W50A	Tennessee,U.S.A.	35.2002N	85.3119W	587	From 2012-04-17
Signy Island	SGY	South Orkney Islands	60.7101S	45.5976W	30	From 1974-02-01
SIGRI	SIGR	Greece	39.2114N	25.8553E	83	From 2007-12-19
Sigues	YSIG	Spain	42.6396N	0.9946W	776	From 2010-07-19
Siheung-si	SHHB	Republic of Korea	37.3488N	126.7039E	39	From 2011-12-26
Sihmah	SMAN	Saudi Arabia	26.1780N	48.0650E	307	
Siikajoki	OBF3	Finland	64.8000N	24.7000E	25	From 2013-08-01
Siirt_Merkez	SRTM	Turkey	37.9911N	41.9223E	1145	From 2011-10-29
Siirt/Pervari-Merkez	PERV	Turkey	37.9461N	42.5417E	1377	From 2014-11-28
Sikka	SKK	Sakhalinskaya Oblast',Russia	49.2333N	143.1170E	2	
SILCHAR	SILR	Assam,India	24.7813N	92.8028E	18	From 2011-05-01
Sile	SILT	Turkey	41.1530N	29.6430E	100	From 2002-01-01
Silifke	SLF	Turkey	36.2386N	33.6852E	120	From 1995-04-06
Silifke-Mersin	SLFK	Turkey	36.3925N	33.9465E	55	From 2011-09-01
Silifke-Mersin	SILI	Turkey	36.3670N	33.9239E	122	From 2011-07-01
Silistra	SILAM	Bulgaria	44.1046N	27.2665E	84	From 2012-11-20
Silivri	SLVT	Turkey	41.2300N	28.2100E	180	From 2002-01-01
Sillano (LU)	T0915	Italy	44.2217N	10.3023E	721	From 2013-06-22
Silvan-Diyarbakir	SVAN	Turkey	38.1511N	41.1984E	655	From 2009-12-12
Silva Ranch	BSLM	California,U.S.A.	36.7755N	121.3490W	155	From 1975-07-16
Silver Beach Elementary School	SBES	Washington,U.S.A.	48.7683N	122.4150W		
Silver City	SIY	Yukon Territory,Canada	61.0317N	138.4070W	785	From 1979-12-05 to 1980-03-27
Silver City	SVM	New Mexico,U.S.A.	32.7787N	108.2967W	1932	From 1977-12-01 to 1999-08-25
Silver Creek	CSCM	California,U.S.A.	37.2852N	121.7720W	128	From 1967-06-10
Silver Creek	SVC	California,U.S.A.	37.2852N	121.7725W	128	From 1967-06-10
Silver Gate	SGM	Montana,U.S.A.	45.0075N	109.9890W	2285	From 1973-01-01 to 2004-03-05
Silver Peak	SIL	California,U.S.A.	34.3478N	116.8270W	1730	
Silver Peak Range	SVP	Nevada,U.S.A.	37.7148N	117.8013W	2621	
Silverton	SLR	Transvaal,South Africa	25.7350S	28.2817E	1348	From 1981-07-20
Silvia	SILC	Colombia	2.6880N	76.3397W	3150	From 1990-01-01
Simarbalatuk	SIMI	Sumatera,Indonesia	2.6889N	98.9469E	1681	
Simav-Kutahya	SIMA	Turkey	39.0833N	28.9825E	984	From 2011-07-26
Simav-Kutahya	SMAA	Turkey	39.1005N	28.9805E	796	From 2012-05-08
Simferopol'	SIM	Ukraine	44.9490N	34.1160E	275	
Simia	SMIA	Greece	38.8791N	23.2090E	448	From 2008-10-16
Simia	VSI	Greece	38.8793N	23.2090E	448	From 1982-11-01
Simiane la Rotonde	SMRF	Provence-Cote d'Azur,France	43.9760N	5.5750E	654	
Simi Peak	SI2	California,U.S.A.	34.2039N	118.7990W	700	From 1973-06-01
Simla	SMLA	Himachal Pradesh,India	31.1283N	77.1667E		
Simla	SMI	Himachal Pradesh,India	31.1000N	77.1833E		
Simmler	SMMC	California,U.S.A.	35.3142N	119.9958W	599	From 1999-11-09
Simojovel	SMJM	Chiapas,Mexico	17.1340N	92.7150W		
Simon	SIMR	Nevada,U.S.A.	38.4750N	117.7675W	1899	
Simplonpass	SIMPL	Switzerland	46.2396N	8.0196E	1930	From 2009-10-28
Simpson Lake	SMPN	Northwest Territories,Canada	68.2107N	126.6540W	226	From 2010-07-17
Simpson Lake, Nunavut	SMLN	Nunavut,Canada	68.5936N	91.9364W	237	From 2010-07-30
Simushir	SIU	Sakhalinskaya Oblast',Russia	46.8500N	151.7800E	15	
Sinabang, Aceh	SNSI	Sumatera,Indonesia	2.4089N	96.3267E	14	From 2008-12-01
Sinaia	SNX	Romania	45.3553N	25.5155E	1470	From 1989-07-01
Sinanoba-Istanbul	SINB	Turkey	40.9993N	28.5395E	59	From 2011-01-01
Sinclairville	L54A	New York,U.S.A.	42.2345N	79.3162W	432	From 2013-03-26
Sindeldorf	SIND	Baden-Wurttemberg,Germany	49.3488N	9.6057E	330	From 1998-01-01
Sindhuli	SINN	Nepal	27.2107N	85.9088E	465	From 2001-10-19 to 2002-11-03
Sindorf	BA05	Nordrhein-Westfalen,Germany	50.9175N	6.6637E	72	From 2006-10-01
Sinegor'e	SNGR	Magadanskaya Oblast',Russia	62.0640N	150.4000E	300	From 2003-04-26
Sinegor'e	SNE	Magadanskaya Oblast',Russia	62.0900N	150.5200E	400	
Sinegor'e	SNGS	Magadanskaya Oblast',Russia	62.0854N	150.5251E	400	From 2003-05-04
Singah	SINI	Jawa,Indonesia	7.0144S	107.5000E	1000	
Singapore	SING	Singapore	1.3050N	103.8500E		
Singaraja	SRBI	Bali,Indonesia	8.0848S	115.2127E	0	From 2007-12-01
Singen-Schiener Berg	SISB	Baden-Wurttemberg,Germany	47.6864N	8.9643E	490	From 2003-01-01
Singida	SINGT	Tanzania,United Republic of Tanzania	4.8083S	34.7380E	1506	
SINGM	SINGM	Malawi	14.8083S	34.7380E	1506	
Singureni	SGRR	Romania	44.2228N	25.9743E	115	From 2011-09-21
Sinj	SNJ	Croatia	43.7333N	16.6500E		
Sinn el Kaddab	ASKD	Egypt	23.6597N	32.3847E	258	
Sinonel	SLG	Guatemala	14.7078N	91.6355W	1220	From 1979-11-01 to 1987-12-31
Sinop	SNOP	Turkey	42.0195N	35.2068E	180	From 2010-08-16
Sinop	SINP	Turkey	41.9823N	35.0956E	93	From 2012-03-23
Sinop/Boyabat-Salar	BOYA	Turkey	41.5330N	34.6806E	443	From 2014-11-25
SINOP_Merkez	SINO	Turkey	42.0184N	35.2019E	203	
Sintang	STKI	Kalimantan,Indonesia	0.0656N	111.4772E	88	From 2005-01-01
Sint Eustatius	STAT	Netherlands Antilles	17.4950N	62.9787W	50	
Sint Maarten	MRN	Netherlands Antilles	18.0120N	63.0600W	20	From 1976-10-01 to 1999-08-25
Sinyu	KV12	Kagoshima,Japan	31.8886N	130.8714E	890	
Sion	SIS	Switzerland	46.2667N	7.3667E	500	From 1932-01-01 to 1941-12-31
Sion-Mayennets	SIOM	Switzerland	46.2290N	7.3619E	495	From 2011-01-01
Sion-Ophtalmol	SIOO	Switzerland	46.2328N	7.3832E	495	From 1997-05-14
Sion-Valere	SIOV	Switzerland	46.2351N	7.3642E	560	From 2006-08-29
Sioux Lookout	SOO	Ontario,Canada	50.0762N	91.8880W	358	From 1987-06-07
Sioux Lookout	SXO	Ontario,Canada	50.0917N	91.9983W	420	From 1982-09-27 to 1986-09-24
Sioux Lookout	SOLO	Ontario,Canada	50.0213N	92.0812W	373	From 1988-10-24
Siparia	SIPA	Trinidad and Tobago	10.1429N	61.5060W	60	
Sipayare	SIPV	Venezuela	10.1827N	70.9322W	154	
Siquisique	SIQV	Venezuela	10.6490N	69.8080W	440	From 2002-05-30
Siracusa	HSRS	Sicily,Italy	37.0930N	15.2220E	100	From 1994-05-01
Siria	SIR	Venezuela	10.5092N	66.5092W	1050	From 1974-01-01
Siria	SIRR	Romania	46.2675N	21.6597E	480	
Sirnak	SIRT	Turkey	37.5011N	42.4392E	1038	From 2005-06-22
S¯–rnak	SIRN	Turkey	37.4962N	42.4130E	968	From 2008-11-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sirolo	MSIR	Italy	43.5402N	13.6100E	361	From 2007-10-02
Sirt	LSRT	Libya	31.0812N	16.6582E	95	
Sisak	SISC	Croatia	45.4710N	16.3720E	100	
Sisimiut, Greenland	SISG	Greenland	66.9366N	53.6430W	0	
Sisters	GRSS	Grenada	12.2985N	61.6123W	20	
Site Antares, Toulon	ASEAF	Provence-Cote d'Azur,France	42.7945N	6.1635E	-2470	From 2010-11-01
Siteia	SIT2	Crete,Greece	35.2059N	26.1070E	2	From 2011-09-01
Sitia Lasithi	STIA	Crete,Greece	35.2020N	26.0909E	89	From 2006-12-01
Sitka	SIT	Alaska,U.S.A.	57.0567N	135.3262W	25	From 1940-01-01
Sitkalidak Island	SKD	Alaska,U.S.A.	57.1642N	153.0800W	135	From 1977-08-11
Sitkinak Island	SII	Alaska,U.S.A.	56.5600N	154.1820W	500	From 1975-10-01
Sittwe	SIMRM	Myanmar	20.1332N	92.8852E	15	
Siu Lam	HKSL	Hong Kong,China	22.3647N	114.0145E	100	From 1997-04-23
Sivas	SIVA	Crete,Greece	35.0175N	24.8100E	95	
Sivas	SVST	Turkey	36.9361N	36.9528E	1640	From 1992-01-01
Sivas-Alt¨–nyayla-Merkez	CUAYA	Turkey	39.2655N	36.7463E	1509	From 2015-05-22
Sivrice-ELAZIĞ	SVRC	Turkey	38.3784N	39.3063E	1680	From 2007-04-27
Sivrigoynuk	SGKT	Turkey	40.5733N	32.0561E	1890	From 1992-01-01
SIVRIHISAR	AUSIV	Turkey	39.4396N	31.5397E	1111	From 2010-02-09
Sivrihisar-ESKISEHIR	SVRH	Turkey	39.4469N	31.5230E	1000	From 2007-12-27
Six Diamond Ranch, Ranyesford	D17A	Montana,U.S.A.	47.1523N	110.6873W	1535	From 2007-10-13 to 2009-09-11
Sixes	K01A	Oregon,U.S.A.	42.8088N	124.4692W	175	From 2005-12-20 to 2007-11-30
Sixmile	SXM	Montana,U.S.A.	46.1492N	111.2080W	1993	
Sixmile Butte	SMBI	Idaho,U.S.A.	43.5022N	113.2680W	1736	From 1992-01-01
Six Mile Mountain	SMMS	South Carolina,U.S.A.	34.8325N	82.8042W	468	
Sixt	OGSI	Rhone-Alpes,France	46.0665N	6.7540E	750	
Sixty Eight Flow	SELF	Costa Rica	10.4712N	84.7322W	500	
Siya@14za@14n	SIZA	Azerbaijan	41.0760N	48.8990E	984	From 2003-08-01
Sjenica	SJES	Serbia	43.2613N	19.9734E	1181	From 2004-03-26
Sjulsmark	SJUU	Sweden	65.5080N	21.6055E	100	From 2000-08-30
Skadanscina	SKDS	Slovenia	45.5464N	14.0143E	552	From 2006-04-12
Skaggs, Pawnee	P43A	Illinois,U.S.A.	39.6409N	89.5213W	176	From 2011-08-16
Skaggs Springs	SKG	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skaggs Springs	GSSM	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skagit Valley Community College ANSS SMO	SVOH	Washington,U.S.A.	48.2892N	122.6332W	22	From 2001-09-14
Skagway	SKAG	Alaska,U.S.A.	59.4601N	135.3290W	174	
Skagway School	SKGA	Alaska,U.S.A.	59.4650N	135.3098W	0	
Skalna	SKC	Czech Republic	50.1698N	12.3611E	455	From 1994-04-19
Skalnate-Pleso	SPC	Slovakia	49.1889N	20.2450E	1772	
Skalstugan	SKA	Sweden	63.5800N	12.2800E	580	
Skaneateles	SKN	New York,U.S.A.	42.9915N	76.4672W	226	From 1974-11-01 to 1975-12-31
Skardu	SKR1	Pakistan	35.3030N	75.6400E	2251	From 2009-09-20
Skarslia	SKAR	Norway	60.6808N	8.3044E	798	From 2013-03-21
Skazka	SKZ	Khanty-Mansi Autonomous Okrug,Russia	61.4833N	72.5500E	91	
Skein Mesa, Paradox Valley	PV18	Colorado,U.S.A.	38.2462N	108.9090W	1999	
Skhour des Rehamma	SRHM	Morocco	32.4710N	7.8980W	745	
Skiathos	SKIA	Greece	39.1665N	23.4661E	325	From 2008-06-25
Skidaway Island, Savannah	257A	Georgia,U.S.A.	31.9746N	81.0261W	9	From 2012-03-16
Skidegate	SKB	British Columbia,Canada	53.2478N	131.9960W	10	From 1982-08-23
Ski Hill Lift	SKLY	New York,U.S.A.	43.9603N	74.1753W		From 1983-10-01 to 1986-10-31
Skikda	SKDA	Algeria	36.7850N	6.8539E	0	
Skilak	SKL	Alaska,U.S.A.	60.5143N	150.2150W	660	From 1971-09-09 to 1984-12-31
Skilak Lake	SLKM	Alaska,U.S.A.	60.5078N	150.2210W	655	From 1984-08-11
Skildingahˆ‡lshraun	ISKI	Iceland	65.8698N	17.0270W	316	From 2008-11-20
Skiros Island	SKY	Greece	38.8778N	24.5500E	260	From 1997-01-01
Skopelos	VSK	Greece	39.1106N	23.6934E	374	From 1982-10-01
Skopelos Island	SKO1	Greece	39.1233N	23.7287E	10	From 2010-08-01
Skopje	SKO	FYR Macedonia	41.9721N	21.4396E	346	From 1957-01-01
Skordalos	SKOR	Crete,Greece	35.4120N	23.9280E	306	
Skrokkalda	ISKR	Iceland	64.5600N	18.3860W	858	From 1996-10-02
Skvira	NE55	Ukraine	49.7160N	29.6560E	235	
Skwentna	SKT	Alaska,U.S.A.	61.9803N	151.5300W	564	
Skylar, Fairfield	R45A	Illinois,U.S.A.	38.2926N	88.2812W	143	From 2011-11-13
Skyros Island	SKY1	Greece	38.9045N	24.5646E	78	From 2010-10-01
Slack Wire Ranch, Winifred	C19A	Montana,U.S.A.	47.7343N	109.0489W	966	From 2008-08-22 to 2010-06-04
Slait	SLAT	Sudan	15.8520N	32.6840E	414	From 2003-11-01
Slandsville	SVS	South Carolina,U.S.A.	32.9683N	80.2482W	3	From 1976-03-31
Slate Mountain	STM	Nevada,U.S.A.	39.1140N	118.2000W	2020	From 1972-01-13 to 1975-07-31
Slate Mountain	ASMM	California,U.S.A.	38.8233N	120.6830W	1214	
Sleeping Mountain	SMN	Nevada,U.S.A.	37.1433N	116.7670W	1341	From 1971-01-01 to 1973-12-31
Sleepy Eye	SE-MN	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Eye	SE-	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Slenfeh	SLNF	Syria	35.5954N	36.2228E	1520	From 1994-12-01
Slick	SIO	Oklahoma,U.S.A.	35.7463N	96.3071W	323	From 1978-07-12
Slidell	546A	Louisiana,U.S.A.	30.2330N	89.7191W	0	From 2011-03-16 to 2012-12-12
Slide Mountain	KSMM	California,U.S.A.	40.1858N	124.1750W	991	
Slitere, Latvia	SLIT	Latvia	57.6287N	22.2905E	13	From 2006-10-25
Slobozia Conachi	SLCR	Romania	45.5897N	27.7703E	85	From 2013-09-28
Slough House Road	ASRM	California,U.S.A.	38.4977N	121.2048W	52	
Slysaalda	ISLY	Iceland	63.8240N	19.1173W	633	From 2010-12-17
S.Marcello (AN)	AD05	Italy	43.5457N	13.1822E	216	From 2010-03-30
S.Maria delle Mole (Ciampino, Roma)	SAMA	Italy	41.7805N	12.5923E	119	From 2009-06-09
S. M. di Licodia	ESML	Sicily,Italy	37.6180N	14.8770E	360	From 1989-04-01
Smeltzer Mountain	SMSC	South Carolina,U.S.A.	34.9308N	82.9710W	498	From 1977-04-19
Smimou	SOIM	Morocco	31.1690N	9.6170W	900	
Smir	SMRM	Morocco	35.6850N	5.3870W	50	
Smir Dam	SMIR	Morocco	35.6820N	5.3810W	123	
Smith Brothers Farm, Spring Hill	V48A	Tennessee,U.S.A.	35.7400N	86.8219W	278	From 2011-12-11
Smithers	SI-	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smithers	SI-BC	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smith Mountain	PSMM	California,U.S.A.	36.0697N	120.5950W	988	From 1975-09-24
Smith Ranch, Marlow	X34A	Oklahoma,U.S.A.	34.6010N	97.8326W	364	From 2009-11-05 to 2011-09-05
Smjorgil	ISMJ	Iceland	63.6759N	19.6578W	211	From 2010-12-17
Smolenice	SMOL	Slovakia	48.5139N	17.4287E	400	From 1987-01-01
Smothers Creek Ranch, Hallettsville	636A	Texas,U.S.A.	29.4810N	97.0570W	90	From 2010-01-26 to 2011-11-09
Smrekonice	SMRK	Kosovo	42.8730N	20.9378E	634	From 2008-07-06
Smyrna	SYR	Washington,U.S.A.	46.8630N	119.6180W	268	From 1969-03-01
Snabyli	ISNB	Iceland	63.7360N	18.6310W	245	From 1993-02-10
Snake Pit, Albuquerque Seismic Lab	TASL	New Mexico,U.S.A.	34.9454N	106.4565W	1838	From 2012-04-24 to 2012-08-30
Snake Ranch	SRF	New Mexico,U.S.A.	34.2033N	107.0900W	1768	From 1969-01-01 to 1969-06-30
Snap Lake	SNPN	Northwest Territories,Canada	63.5178N	110.9077W	458	
Snartemo	SNART	Norway	58.3387N	7.2097E	160	From 2003-09-01
Snider Mountain Ranch	SRNB	New Brunswick,Canada	45.8324N	65.6355W	213	From 2013-09-07
Snively Ranch	SNIWA	Washington,U.S.A.	46.4642N	119.6600W	312	
Snort	SRTC	California,U.S.A.	35.6918N	117.7490W	698	
Snowbank Mountain	SBID	Idaho,U.S.A.	44.4240N	116.3140W	2520	
Snow Cap Mountain	KSCM	Oregon,U.S.A.	42.3440N	124.1650W	1280	
Snow College	SNO	Utah,U.S.A.	39.3143N	111.5380W	2446	
Snowflake	SF-	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	X18A	Arizona,U.S.A.	34.5293N	109.9501W	1751	From 2007-04-12 to 2010-05-28
Snowflake	SF-AZ	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snow King Mountain	SNOW	Wyoming,U.S.A.	43.4625N	110.7550W	2390	From 1986-01-01
Snowmass	SMCO	Colorado,U.S.A.	39.1776N	106.9739W	3435	
Snow Mountain	GSNM	California,U.S.A.	38.9405N	123.1920W	870	From 1975-06-20
Snowy Mountains Grammar School, Jindabyne	AUSMG	New South Wales,Australia	36.4200S	148.6100E	951	From 2013-03-14
Snyder	130A	Texas,U.S.A.	32.5961N	100.9652W	676	From 2009-03-12 to 2011-02-09
Snyder Ridge, Maysville	Q56A	West Virginia,U.S.A.	39.0410N	79.1871W	430	From 2013-05-23
Soap Creek Ranch, Albany	H03A	Oregon,U.S.A.	44.6765N	123.2923W	214	From 2005-11-10 to 2008-01-24
Soboth	SOKA	Austria	46.6780N	15.0327E	1008	From 2007-05-01
Sobradinho	SOB4	Bahia,Brazil	9.3425S	41.4842W	440	From 1979-10-01
Sobradinho	SOB	Bahia,Brazil	9.2888S	41.1694W	416	From 1978-09-27
Sobradinho	SOB1	Bahia,Brazil	9.2089S	40.8947W	424	From 1980-04-01
Sobradinho	SOB3	Bahia,Brazil	9.7708S	41.2639W	434	From 1979-10-01
Sobradinho	SOB2	Bahia,Brazil	9.5684S	40.9611W	490	
Sobral	SBBR	Ceara,Brazil	3.7452S	40.2717W	110	From 2007-01-01
Soche	SOCH	Ecuador	0.6490N	77.4923W	2650	From 1994-07-01
Sochi	SOC	Krasnodarskiy Kray,Russia	43.5833N	39.7167E	192	
Socops	SOCV	Venezuela	8.2840N	70.8560W	335	From 2002-08-15
Socorro	SRM	New Mexico,U.S.A.	34.3419N	106.8990W	1522	From 1969-06-25 to 1970-06-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Socorro	Y22A	New Mexico,U.S.A.	33.9370N	106.9652W	1674	From 2008-04-09 to 2009-12-22
Socorro	VAO3	Sao Paulo,Brazil	22.5770S	46.4400W	1370	
Socorro	SNM	New Mexico,U.S.A.	34.0702N	106.9440W	1511	From 1962-07-01
SOCORRO T	H06S1	Colima,Mexico	18.7347N	110.9575W	35	From 2005-11-29
SOCORRO T-PHASE SITE E1	H06E1	Colima,Mexico	18.7805N	110.9253W	316	From 2005-11-29
SOCORRO T-PHASE SITE N1	H06N1	Colima,Mexico	18.8616N	110.9861W	16	From 2005-11-29
Socotra	SOCY	Yemen	12.1870N	53.9874E	802	From 2009-01-22
Socrates Mine	GSMM	California,U.S.A.	38.7692N	122.7810W	1017	From 1975-07-18
Socs Landing, Pioneer	143A	Louisiana,U.S.A.	32.7032N	91.4036W	30	From 2011-02-18
Soda Butte	YPSB	Wyoming,U.S.A.	44.8840N	110.1510W	2072	
Sodankyla	SDF	Finland	67.4203N	26.3936E	277	From 1984-12-19 to 2000-06-15
Sodankyla@14	SGF	Finland	67.4421N	26.5261E	180	
Sodankyla@14	SOD	Finland	67.3712N	26.6291E	181	From 1987-07-28 to 1992-01-13
Soda Springs	K16A	Idaho,U.S.A.	42.8321N	111.5884W	1885	From 2007-07-22 to 2009-05-12
Soda Springs	JSSM	California,U.S.A.	37.1695N	121.9318W	921	
Soda Springs	SOS	California,U.S.A.	37.1695N	121.9318W	921	
Sodus	SONY	New York,U.S.A.	43.1922N	76.9647W	122	
Soe	SOEI	Timor,Indonesia	9.7553S	124.2672E	1047	From 2006-12-11
Soedalen	SOEG	Greenland	68.2033N	31.3770W	101	
Soengei Langka	SLS	Sumatera,Indonesia	5.4000S	105.2170E	240	
Sofiya	SOF	Bulgaria	42.6853N	23.3342E	540	
Sogindy	SGDS	Kazakhstan	43.4520N	74.6300E	940	From 2012-09-15
sogukcermik	SCER	Turkey	39.8613N	37.1286E	1428	From 2008-06-26
Sohna	SONA	Delhi,India	28.2500N	77.0833E		
SOHO	SOHO	Oman	24.1342N	56.5336E	100	
So. Illinois U.	EDIL	Illinois,U.S.A.	38.7838N	89.9878W	183	
Sokcho	KSSOC	Republic of Korea	38.2422N	128.5669E	17	From 2000-01-29 to 2004-12-22
Sokcho	KSSKC	Republic of Korea	38.2899N	128.5219E	56	From 2004-12-24
Sokhos	SOH	Greece	40.8217N	23.3539E	670	From 1981-01-01
Solana Beach	SLBC	California,U.S.A.	33.0010N	117.2690W	38	From 1981-01-01 to 1985-07-31
Solanea	SLBR	Paraiba,Brazil	6.7815S	35.6440W	210	From 2007-01-01
Solania	AR4	Costa Rica	10.3583N	84.9928W	600	
Solberg Farm, Malta	B20A	Montana,U.S.A.	48.4389N	108.0209W	827	From 2008-09-12 to 2010-07-18
Soldier Meadows	M07A	Nevada,U.S.A.	41.3884N	119.1711W	1400	From 2006-02-17 to 2008-04-15
Soldier's Delight Natural Environment Area	SDMD	Maryland,U.S.A.	39.4102N	76.8403W	212	
Soldiers Grove	J40A	Wisconsin,U.S.A.	43.3965N	90.7406W	353	From 2011-06-17 to 2013-06-06
Soledad Mission	BSMM	California,U.S.A.	36.3833N	121.4280W	939	
Solikamsk	SOKR	Permskiy Kray,Russia	59.5955N	56.7906E	-120	
Sollefteaa	SOLU	Sweden	63.2470N	17.2580E	100	From 2000-04-28
Solontsovaya	SOL	Irkutskaya Oblast',Russia	54.1000N	108.3000E		
Solothurn Schulhaus Brˆ…hl	SOLB	Switzerland	47.2068N	7.5171E	430	From 2011-11-21
Solothurn, Zeughausgasse	SOLZ	Switzerland	47.2088N	7.5383E	445	From 2012-01-05
Solovky	SLVR	Arkhangel'skaya Oblast',Russia	65.0280N	35.7017E	15	From 2007-10-26
Solunto	SOLUN	Sicily,Italy	38.0920N	13.5330E	190	From 2004-05-12
Solvholt	ISOL	Iceland	63.9290N	20.9440W	30	From 1990-02-20
Sombrero	SWIP	Anguilla	18.5980N	63.4263W	15	
Sombrero	SOM	Magallanes,Chile	52.7808S	69.2422W	73	From 1964-12-22
Somerset	SMC	Colorado,U.S.A.	38.9333N	107.4580W	1905	From 1969-07-01
Somerset East	SOE	Cape Province,South Africa	32.7117S	25.5617E	820	
Somma	SMAR	Kamchatskaya Oblast',Russia	53.2631N	158.8011E	1950	
Somoto	SOMN	Nicaragua	13.4203N	86.6138W	1200	
Somplago	SMP	Italy	46.3400N	13.0583E		
Sondre	SFJ	Greenland	66.9967N	50.6152W	365	
Sonepat	SNP	Uttar Pradesh,India	28.9833N	77.0000E	220	
Songea	SONE	Tanzania,United Republic of Tanzania	10.6738S	35.6507E	1130	
Songino Array Beam Reference Point	SONM	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A0	SONA0	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A1	SONA1	Mongolia	47.8468N	106.4032E	1511	
Songino Array Site A2	SONA2	Mongolia	47.8507N	106.3986E	1508	
Songino Array Site A3	SONA3	Mongolia	47.8484N	106.4098E	1563	
Songino Array Site A4	SONA4	Mongolia	47.8400N	106.4043E	1461	
Songino Array Site B1	SONB1	Mongolia	47.8630N	106.4039E	1603	
Songino Array Site B3	SONB3	Mongolia	47.8341N	106.4147E	1537	
Songino Array Site B4	SONB4	Mongolia	47.8339N	106.3604E	1402	
Songino Array Site B5	SONB5	Mongolia	47.8539N	106.3694E	1417	
Songino Ar. Site	SONB2	Mongolia	47.8487N	106.4231E	1582	
SONGINO INFRASONIC ARRAY REFERENCE POINT	MN	Mongolia	47.8017N	106.4101E	1245	From 2008-01-14
Songkhla	SKLT	Thailand	7.1700N	100.6200E	14	From 2008-01-01
Songkhla	SNG	Thailand	7.1770N	100.6170E	4	From 1965-10-01
Songo	SONG	Mozambique	15.6033S	32.7783E	900	From 1985-11-01 to 2003-08-15
Songwoldong	KSSOD	Republic of Korea	37.5714N	126.9662E	68	From 2007-12-12
Son La	BMV	Vietnam	21.4542N	103.8533E	380	From 2009-01-01 to 2012-12-31
Son La	SLVN	Vietnam	21.3338N	103.9050E	700	
Sonneberg	SON	Thuringen,Germany	50.3782N	11.1925E	634	
Sonora	SOKY	Kentucky,U.S.A.	37.5260N	85.9650W	204	From 1985-01-01
Sonora	431A	Texas,U.S.A.	30.6824N	100.6079W	700	From 2009-02-14 to 2011-01-23
Sonora Basin	SBCZ	South Island,New Zealand	45.0906S	169.3113E	801	From 1987-01-31 to 1996-04-27
Sonoran Desert, Stanfield	115A	Arizona,U.S.A.	32.7006N	112.2279W	606	From 2006-03-21 to 2008-12-04
Sonseca Array BB	ESBB	Spain	39.6755N	3.9617W	724	
Sonseca Array Beam Reference Point	ESDC	Spain	39.6743N	3.9631W	753	
SONSECA Array Site 01	ES01	Spain	39.6703N	3.9475W	743	
SONSECA Array Site 02	ES02	Spain	39.6771N	3.9355W	734	
SONSECA Array Site 03	ES03	Spain	39.6663N	3.9334W	732	
SONSECA Array Site 04	ES04	Spain	39.6557N	3.9423W	740	
SONSECA Array Site 05	ES05	Spain	39.6624N	3.9590W	763	
SONSECA Array Site 06	ES06	Spain	39.6757N	3.9521W	745	
SONSECA Array Site 07	ES07	Spain	39.6873N	3.9519W	734	
SONSECA Array Site 08	ES08	Spain	39.6923N	3.9251W	721	
SONSECA Array Site 09	ES09	Spain	39.6781N	3.8996W	753	
SONSECA Array Site 10	ES10	Spain	39.6580N	3.9026W	758	
SONSECA Array Site 11	ES11	Spain	39.6487N	3.9200W	758	
SONSECA Array Site 12	ES12	Spain	39.6387N	3.9429W	761	
SONSECA Array Site 13	ES13	Spain	39.6501N	3.9660W	762	
SONSECA Array Site 14	ES14	Spain	39.6518N	3.9885W	779	
SONSECA Array Site 15	ES15	Spain	39.6642N	4.0004W	776	
SONSECA Array Site 16	ES16	Spain	39.6868N	3.9943W	775	
SONSECA Array Site 17	ES17	Spain	39.7004N	3.9728W	766	
SONSECA Array Site 18	ES18	Spain	39.7102N	3.9493W	750	
SONSECA Array Site 19	ES19	Spain	39.7006N	3.8991W	720	
Sonseca Array Site A	ESLA	Spain	39.6743N	3.9631W	752	From 1989-07-31
Sonseca Array Site B	ESLB	Spain	39.8415N	4.0172W	612	From 1991-06-01
Sonseca Array Site C	ESLC	Spain	39.7950N	3.8133W	687	
Sonseca Array Site D	ESLD	Spain	39.6099N	3.7843W	807	From 1991-06-01
Sonseca Array Site E	ESLE	Spain	39.5072N	3.9734W	801	From 1991-06-01
Sonseca Array Site F	ESLF	Spain	39.5957N	4.1701W	911	From 1991-06-01
Sonseca Array Site G	ESLG	Spain	39.7446N	4.1950W	830	From 1991-06-01
Sonsonate	SONS	El Salvador	13.7381N	89.7172W	302	
Sooke	SOKB	British Columbia,Canada	48.3947N	123.6731W	45	From 2008-03-17
Sooner Cattle Company, Foraker	T35A	Oklahoma,U.S.A.	36.9161N	96.5121W	401	From 2010-05-06 to 2012-03-06
Sopron	SOP	Hungary	47.6833N	16.5583E	260	
Sorel	SO-	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sorel	SO-QB	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
S.Oreste - Soratte	SRES	Italy	42.2371N	12.5101E	410	From 2013-05-22
Sornfelli, Faroe Islands	SOFL	Faeroe Islands	62.0689N	6.9658W	721	From 2007-11-01
Soroa	SOR	Cuba	22.7917N	83.0078W	206	
Soroako, Sulawesi	SKSI	Sulawesi,Indonesia	2.5283S	121.3350E	602	From 2008-01-01
Soroca	SORM	Moldova	48.1349N	28.3513E	98	From 2007-09-28
Sorokina	SRKR	Kamchatskaya Oblast',Russia	56.6540N	161.1680E	849	From 2005-09-19
Sorong	SIJI	Irian Jaya,Indonesia	0.8691S	131.2661E	193	From 2010-03-29
Sorong	SWI	Irian Jaya,Indonesia	0.8630S	131.2598E	0	
Soroni, Rhodes Isl.	RSO1	Greece	36.3632N	28.0015E	12	From 2012-08-01
Sorpetalsperre	SORT	Nordrhein-Westfalen,Germany	51.3497N	7.9714E	280	From 1999-01-01
Sort	CSOR	Spain	42.3756N	1.1339E	1227	
Sortino	SSY	Sicily,Italy	37.1539N	15.0719E	540	
Sos del Rey Catolico	YSOS	Spain	42.4554N	1.1470W	881	From 2010-05-01
Sospel	SBF	Provence-Cote d'Azur,France	43.8631N	7.4352E	847	From 1985-06-01
Sotra	SOTS	Norway	60.3500N	5.1100E	30	From 2002-01-01
Souberoche	SOU	Rhone-Alpes,France	44.6614N	5.6903E	960	
Soufli	SFL1	Greece	41.1899N	26.3042E	21	From 2011-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Soufriere	PSDMA	Dominica	15.2350N	61.3570W	60	
Soufriere Village	DSVT	Dominica	15.2290N	61.3700W	5	
Soufriere Volcano	SVV	St Vincent,Saint Vincent and the Grenadines	13.3180N	61.2160W	243	From 1978-09-24
soultz borehole - etangs GEIE	SZBH	Alsace	48.9326N	7.8631E	-46	From 2015-03-26
Souni	SZAC	Cyprus	34.7550N	32.8820E	512	From 1998-11-16
Source of Smith Creek	SOSW	Washington,U.S.A.	46.2440N	122.1370W	1270	
Sourdough	SDG	Alaska,U.S.A.	62.5270N	145.5430W	625	From 1986-01-01
Sourhope Farm	XSO	Scotland,United Kingdom	55.4925N	2.2511W	495	From 1983-10-19
South Baldy	SBM	New Mexico,U.S.A.	33.9752N	107.1810W	3230	
South Bangong	ST17A	Xizang Zizhiqu,China	31.9516N	89.3099E	4595	From 1998-07-24 to 1998-08-11
South Bangong Suture	ST21	Xizang Zizhiqu,China	32.2289N	89.1337E	4655	From 1998-07-24 to 1999-05-29
South Base Booster	BOOC	California,U.S.A.	34.8680N	117.9103W	704	
South Boge	ST03	Xizang Zizhiqu,China	30.8469N	90.1919E	4796	From 1998-07-17 to 1998-08-19
South Creake	SCK	England,United Kingdom	52.8797N	0.7506E	61	
South Dennis	COD	Massachusetts,U.S.A.	41.6858N	70.1350W	-85	
South Deqen	ST00	Xizang Zizhiqu,China	30.5258N	90.1027E	4810	From 1998-07-17 to 1999-04-06
South Doima	ST26A	Xizang Zizhiqu,China	32.6977N	88.8670E	4833	From 1998-07-25 to 1999-06-05
Southeast Heping	ST23	Xizang Zizhiqu,China	32.4226N	89.1076E	4727	From 1998-07-24 to 1999-06-05
South End of Cholame Valley, Shandon	THIS	California,U.S.A.	35.7240N	120.2284W	643	From 2012-05-07
South Entrance	YPSE	Wyoming,U.S.A.	44.1363N	110.6667W	2073	
Southern Antelope Island	AIUT	Utah,U.S.A.	40.8558N	112.1750W	1334	From 1983-04-01 to 1990-05-09
Southern Antelope Island	SAIU	Utah,U.S.A.	40.8548N	112.1810W	1384	From 1990-05-10
Southern Illinois University	SIUC	Illinois,U.S.A.	37.7149N	89.2176W	137	From 1984-01-01
Southern Oregon Univeristy DOGAMI SMO	SOUA	Oregon,U.S.A.	42.1836N	122.6963W	634	From 2005-04-28
South Grapevine Mountains	SGV	California,U.S.A.	36.9806N	117.0327W	1571	From 1978-11-28 to 2002-10-10
South Heping	ST24	Xizang Zizhiqu,China	32.4800N	88.9841E	4905	From 1998-07-10 to 1999-06-05
South Ingalls	SIG	Colorado,U.S.A.	39.6878N	105.0650W		
South Jangngalda	ST33	Xizang Zizhiqu,China	33.3274N	88.8316E	5032	From 1998-07-10 to 1999-06-04
South Kanaga	AD6	Alaska,U.S.A.	51.7083N	177.2420W	137	From 1974-01-01 to 1992-02-01
South Karori	SNZO	North Island,New Zealand	41.3103S	174.7050E	-10	From 1975-12-01
South Lassen	LSLM	California,U.S.A.	40.4337N	121.5360W	1060	From 1976-11-12
South Mountain	SMW	Washington,U.S.A.	47.3195N	123.3420W	840	From 1975-03-24
South Mountain	SMNC	North Carolina,U.S.A.	35.5835N	81.6360W	722	
South Mountain, Millburn	N61A	New Jersey,U.S.A.	40.7519N	74.2969W	108	From 2013-09-05
South of Nakchu	SANG2	Xizang Zizhiqu,China	31.0216N	91.7003E	4715	From 1998-08-01 to 1998-10-06
South Palgon	ST09	Xizang Zizhiqu,China	31.4212N	90.0044E	4745	From 1997-07-19 to 1999-06-02
South Pangkog	ST14	Xizang Zizhiqu,China	31.7702N	89.7083E	4607	From 1998-07-20 to 1999-05-31
South Point	SPT	Hawaii,U.S.A.	18.9823N	155.6707W	250	From 1971-03-10
South Pole	SPA	Antarctica	89.9954S	115.0000E	2927	From 1957-01-01 to 2005-03-26
South Pole Quiet Zone Earth Science Obs.	QSPA	Antarctica	89.9279S	145.0000E	2657	
South Promontory Point	SPUT	Utah,U.S.A.	41.3086N	112.4492W	1634	
South Ridge	HSR	Washington,U.S.A.	46.1728N	122.1830W	1774	
South Ridge	SGE	Fiji	17.5892S	177.9230E	1021	
South Serting	ST15A	Xizang Zizhiqu,China	31.8502N	89.5766E	4574	From 1998-07-25 to 1998-09-04
South Tanaga	AK2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1976-10-01 to 1992-02-01
South Tanaga	AT2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1975-01-01 to 1976-10-31
South Thanglha	ST32	Xizang Zizhiqu,China	33.2424N	88.8352E	4927	From 1997-07-13 to 1999-06-03
Southwest Bangong	ST18	Xizang Zizhiqu,China	31.9647N	89.2691E	4619	From 1998-07-24 to 1999-05-30
Southwest Bay	SWB	Vanuatu	16.5087S	167.4200E		
Southwest Doima	ST26	Xizang Zizhiqu,China	32.6611N	88.9156E	4849	From 1998-07-11 to 1998-08-19
Southwest Flank Mount Saint Helens	SWFL	Washington,U.S.A.	46.1887N	122.2020W	2268	From 2006-10-10
Southwest Heping	ST23A	Xizang Zizhiqu,China	32.4714N	89.0496E	4861	From 1998-07-26 to 1999-06-05
Southwest Rift	SWH	Hawaii,U.S.A.	19.4543N	155.6050W	4048	
South Whidbey SD ANSS-SMO	SWID	Washington,U.S.A.	48.0084N	122.4129W	62	From 2001-07-23
Soyaes	JSE	Soya,Japan	44.9588N	142.5842E	10	
Soyapango	UDBS	El Salvador	13.7250N	89.1580W	640	
Soyapango	SOYA	El Salvador	13.7010N	89.1520W	651	
Spaichingen-Kochelsberg	SPAK	Baden-Wurttemberg,Germany	48.1023N	8.7858E	990	From 1997-01-01
Spangler Hills	WSHM	California,U.S.A.	35.5996N	117.4926W	764	
Sparrevohn	SVW2	Alaska,U.S.A.	61.0973N	155.5809W	498	
Sparrevohn	SVW	Alaska,U.S.A.	61.1082N	155.6220W	762	From 1967-08-01 to 2004-10-14
Sparta	Z54A	Georgia,U.S.A.	33.2362N	82.8417W	134	From 2012-04-12
Sparta	SR-	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Sparta	SR-OR	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Spellman Lake, Hanley Falls	H34A	Minnesota,U.S.A.	44.6673N	95.7770W	329	From 2010-07-24 to 2012-06-06
Spence Gulch, Sunbeam	N20A	Colorado,U.S.A.	40.8338N	108.2626W	2192	From 2007-11-13 to 2010-06-10
Spence Mountain	VSP	Oregon,U.S.A.	42.3417N	121.9500W	1539	
Spencer City Hall	OK008	Oklahoma,U.S.A.	35.5071N	97.3838W	368	
Spencer Herefords Ranch, Brewster	L30A	Nebraska,U.S.A.	41.9492N	99.7196W	782	From 2009-09-07 to 2011-04-09
Speyside	TOSP	Trinidad and Tobago	11.2984N	60.5353W	10	From 2007-05-09
S.Piero in Campo Elba	CELB	Italy	42.7466N	10.2107E	741	From 2011-06-03
Spijk (Roodeschool)	SPY1	Netherlands	53.4098N	6.7838E	-29	From 2010-07-08
Spijk (Roodeschool)	SPY2	Netherlands	53.4098N	6.7838E	-59	From 2010-07-08
Spijk (Roodeschool)	SPY4	Netherlands	53.4098N	6.7838E	-119	From 2010-07-08
Spijk (Roodeschool)	SPY3	Netherlands	53.4098N	6.7838E	-89	From 2010-07-08
Spilker Farm, Colbert	C10A	Washington,U.S.A.	47.8192N	117.3077W	684	From 2006-09-06 to 2008-06-11
Spine 5 MSH Spider	SPN5	Washington,U.S.A.	46.1947N	122.1884W	2263	From 2007-06-18
Spinello di Santa Sofia (FC)	T0501	Italy	43.9472N	12.0102E	667	From 2011-05-25
Spinoso	SPIE	Italy	40.2271N	15.9887E	1200	
Spiridon Lake	SPL	Alaska,U.S.A.	57.7592N	153.7710W	600	From 1975-10-01
Spitak	SPZA	Armenia	40.8317N	44.2617E	1600	
Spitak	SPIZ	Armenia	40.8250N	44.2700E	1590	
Spitsbergen Array Beam Reference Point	SPITS	Svalbard,Norway	78.1777N	16.3700E	323	
Spitsbergen Array Site A0	SPA0	Svalbard,Norway	78.1777N	16.3700E	323	From 1992-11-01
Spitsbergen Array Site A1	SPA1	Svalbard,Norway	78.1797N	16.3755E	320	
Spitsbergen Array Site A2	SPA2	Svalbard,Norway	78.1759N	16.3766E	250	
Spitsbergen Array Site A3	SPA3	Svalbard,Norway	78.1773N	16.3588E	339	
Spitsbergen Array Site B1	SPB1	Svalbard,Norway	78.1796N	16.3906E	301	
Spitsbergen Array Site B2	SPB2	Svalbard,Norway	78.1742N	16.3846E	200	From 1992-11-01
Spitsbergen Array Site B3	SPB3	Svalbard,Norway	78.1737N	16.3584E	234	
Spitsbergen Array Site B4	SPB4	Svalbard,Norway	78.1789N	16.3482E	340	
Spitsbergen Array Site B5	SPB5	Svalbard,Norway	78.1823N	16.3683E	295	
Split Crater	SPCI	Idaho,U.S.A.	43.4500N	112.6370W	1520	From 1992-01-01
Split Rock	SPRM	New South Wales,Australia	30.5748S	150.6877E	456	
Spokane	SPO	Washington,U.S.A.	47.7300N	117.3420W	713	From 1909-01-01 to 1969-12-31
Spokane Nat. Inst. Occ. Safety SMO	SNIO	Washington,U.S.A.	47.6794N	117.4050W	584	
Spokane Schools, Ferris High School ANSS-SMO	SFER	Washington,U.S.A.	47.6194N	117.3665W	715	From 2001-08-09
Spokane Temp K2 (Swanson)	SHLY	Washington,U.S.A.	47.7084N	117.4160W	626	From 2001-11-18
Spotswood, Melbourne	MLBS	Victoria,Australia	37.8291S	144.8944E	8	From 2013-02-25
Spotsylvania Fire Department	SPFD	Virginia,U.S.A.	38.1353N	77.5211W	79	
Spotted Range	SPRG	Nevada,U.S.A.	36.6938N	115.8093W	1240	From 1979-05-28 to 2002-10-10
Springbok	SBO	Cape Province,South Africa	29.6698S	17.8789E	1055	From 1993-11-01 to 2004-05-01
Spring Butte	VSBM	Oregon,U.S.A.	43.5237N	121.3470W	1664	
Spring Creek Lake, Blk. Kettle Nat Grslnd	V31A	Oklahoma,U.S.A.	35.7739N	99.8425W	687	From 2009-04-08 to 2011-02-15
Springerville	SV-AZ	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springerville	SV-	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springfield	SGN	Nebraska,U.S.A.	41.0658N	96.2188W	347	From 1979-11-06 to 1981-09-01
Springfield	S49A	Kentucky,U.S.A.	37.7849N	85.2875W	230	From 2012-06-08
Springhill	SHIN	Indiana,U.S.A.	39.4278N	87.4083W	168	
Spring Hill	SHA	Alabama,U.S.A.	30.6944N	88.1428W	61	From 1910-12-01
Spring Road, Mineral	SPRD	Virginia,U.S.A.	38.0234N	77.8799W	110	
Springvale	WSDZ	North Island,New Zealand	39.9153S	174.9687E	100	From 1982-10-15 to 1982-10-24
Springville	U46A	Tennessee,U.S.A.	36.3590N	88.1773W	146	From 2011-11-20
Springville	O16A	Utah,U.S.A.	40.2067N	111.5024W	1789	From 2007-06-27 to 2009-04-09
Springville 2	SPG2	California,U.S.A.	36.2006N	118.7662W	625	
Spur Ranch, Miami	V30A	Texas,U.S.A.	35.7623N	100.6892W	931	From 2009-04-03 to 2011-02-16
Spurr Blockage Glacier	SPBG	Alaska,U.S.A.	61.2597N	152.3699W	1087	
Spurr Capps Glacier	SPCG	Alaska,U.S.A.	61.2919N	152.0205W	1329	
Spurr Chakachatna River	SPCR	Alaska,U.S.A.	61.2009N	152.2068W	984	
Spurr Northwest	SPNW	Alaska,U.S.A.	61.3471N	152.6039W	1040	
Spurr West	SPWE	Alaska,U.S.A.	61.2740N	152.5568W	1233	
Spur Tree	SPJ	Jamaica	17.9959N	77.5596W	751	
Squaw Creek	SQK	California,U.S.A.	38.8234N	122.8101W	639	
Squaw Harbor	SQF	Alaska,U.S.A.	55.2200N	160.5620W	360	
Squaw Peak	SQU	Utah,U.S.A.	40.2817N	111.6110W	2353	From 1974-09-01 to 1980-07-31
Squaw Tit	TIT	California,U.S.A.	41.0733N	123.9800W	700	
Srakaew	SRAK	Thailand	14.0120N	102.0425E	96	
SRDT	SRDT	Thailand	14.3495N	99.1212E	122	From 2008-10-22
Sredinnyy	SRDR	Kamchatskaya Oblast',Russia	56.3170N	159.7170E	800	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sredniy Kalar	SRK	Chitinskaya Oblast',Russia	55.8700N	117.3800E	716	
Srikalahasti	SKHT	Andhra Pradesh,India	13.7408N	79.7095E	74	From 2008-12-26
Srinagar	SRNI	Jammu and Kashmir,India	34.1000N	74.8500E		
SRINAGAR	SRIN	Jammu and Kashmir	34.0600N	74.5100E	1587	From 1982-04-30
Sriramsagar	SRSP	Andhra Pradesh,India	18.9283N	78.3433E	315	From 2008-10-23
Srisailam	SRLM	Andhra Pradesh,India	16.1000N	78.8917E	480	From 2008-10-16
Srobarova	SRO	Slovakia	47.8133N	18.3133E	150	
SS1	SSX	Nevada,U.S.A.	37.2282N	116.2900W	2248	From 1965-01-01 to 1970-12-31
Stafford Cattle Company, Roaring Springs	Y30A	Texas,U.S.A.	33.8766N	100.8978W	812	From 2009-03-11 to 2011-02-13
STALIGIAL	STAL	Italy	46.2601N	12.7104E	625	From 2010-05-25
Stanardsville	R57A	Virginia,U.S.A.	38.2970N	78.5232W	230	From 2013-04-25
Standing Stone	SSPA	Pennsylvania,U.S.A.	40.6358N	77.8876W	270	From 1993-07-05
St-Andre-du-Lac-St-Jean	SANQ	Quebec,Canada	48.3200N	71.9900W	296	From 1984-11-25
Stanford	JSFM	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford	STAN	California,U.S.A.	37.4039N	122.1751W	125	From 1991-04-15 to 1994-06-30
Stanford	LT4	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope	SFT	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope, Santa Clara County	JSFB	California,U.S.A.	37.4037N	122.1760W	118	From 2000-12-12
Stanfors	ODEU	Sweden	64.4085N	20.7162E	212	
Stanga	SGAS	Sweden	57.3040N	18.4730E	43	From 1980-01-01 to 1991-12-31
Stanley	STID	Idaho,U.S.A.	44.1148N	114.8660W	1993	From 1992-12-01
St Anne's School, Harvey	AUHAR	West Australia,Australia	33.0900S	115.8900E	39	From 2014-04-09
Stansbury Island	SBU	Utah,U.S.A.	40.8218N	112.4670W	1317	From 1974-07-01 to 1976-10-31
Stansbury Island BLM, Grantsville	N15A	Utah,U.S.A.	40.8903N	112.5201W	1408	From 2007-02-18 to 2009-04-04
Stansbury North	SNU	Utah,U.S.A.	40.9238N	112.5100W	1378	From 1978-05-01 to 1986-09-30
Stansbury North	SNUT	Utah,U.S.A.	40.8857N	112.5090W	1652	
Star City	STAR	Arkansas,U.S.A.	33.8920N	91.7780W	107	From 1981-02-08
Starunia	STNU	Ukraine	48.7106N	24.5014E	391	From 2007-08-30
Star Valley	STI	Idaho,U.S.A.	42.8022N	111.0508W	2149	From 1976-12-01 to 1979-09-30
State Center	SCIA	Iowa,U.S.A.	41.9069N	93.2153W	311	From 2006-06-02
State College	SCP1	Pennsylvania,U.S.A.	40.8099N	77.8694W	353	
State College	SCP	Pennsylvania,U.S.A.	40.7950N	77.8650W	352	From 1966-10-20
State Game Land 141, Hazleton	N59A	Pennsylvania,U.S.A.	40.9168N	75.7703W	508	From 2010-11-08
State Highway 12, Trinidad	MHTCO	Colorado,U.S.A.	37.1280N	104.6910W	1978	
Stateville	455A	Georgia,U.S.A.	30.7422N	83.0260W	44	From 2012-02-11
Statfjord A Platform	STF	Norway	61.2560N	1.8170E	-148	
Station 2	STX	Nevada,U.S.A.	37.1940N	116.1610W	1632	From 1964-01-01 to 1970-12-31
Station ALOHA	ALOHA	Hawaii	22.7500N	158.0000W	-9456	
Statte	SAE	Italy	40.5619N	17.2061E		
Stauanlage Cunera	CURA	Switzerland	46.6348N	8.7108E	1960	From 2009-10-28
St Aubert, Comte d'Islet	D61A	Quebec,Canada	47.2022N	70.1868W	146	From 2013-08-02
Staufenbuehl	STAB	Baden-Wurttemberg,Germany	48.2709N	9.0402E	898	From 2000-10-25
Staufen im Breisgau	STAU	Baden-Wurttemberg,Germany	47.8693N	7.7329E	299	From 2001-01-04
St Austell	CSA1	England,United Kingdom	50.3527N	4.8919W	112	From 1981-01-01
Stavanger	STAV	Norway	58.9348N	5.7022E	28	
Stavd-Durt	STDR	Severo-Osetinskaya,Russia	43.3689N	44.0631E	352	From 2009-03-14
Stavros	STV1	Greece	40.6648N	23.6970E	20	From 2008-10-01
Stavros Akrotiri	AKRT	Crete,Greece	35.5896N	24.0840E	10	From 2006-06-01
Stavrpu;p[is Thessaloniki	STL1	Greece	40.6623N	22.9350E	51	From 2011-06-01
St. Charles CC	SCMO	Illinois,U.S.A.	38.7618N	90.6413W	152	
St. Cloud	858A	Florida,U.S.A.	28.2126N	81.3616W	27	From 2012-02-14
St. Cloud Mine, Winston	Z21A	New Mexico,U.S.A.	33.3086N	107.6712W	1964	From 2008-02-22 to 2009-12-08
St. Croix	CDVI	Virgin Islands	17.7518N	64.7661W	3	From 2005-02-01
Stead Airport, Stead	P06A	Nevada,U.S.A.	39.6785N	119.8983W	1368	From 2006-04-28 to 2008-03-04
Ste Agathe de Lotbiniere,	E60A	Quebec,Canada	46.3689N	71.4469W	181	From 2013-08-07
Steamboat Mountain	STEW	Wyoming,U.S.A.	44.0497N	110.6967W	2316	From 1986-01-01 to 2007-08-07
Steam Cracks	STCH	Hawaii,U.S.A.	19.3853N	155.1250W	765	
Steaming Bluff	SBLHI	Hawaii,U.S.A.	19.4270N	155.2680W	1084	
Stebnicka Huta	STHS	Slovakia	49.4167N	21.2437E	534	From 2004-12-01
Ste Croix	LASF	Rhone-Alpes,France	44.0761N	3.8570E	520	
Steenkerk	BSKQ	Belgium	50.6487N	4.0796E	63	From 1994-08-01
Stefanesti	STFR	Romania	44.5324N	26.2131E	122	From 2004-05-05
Stefanesti-Arges	STFAR	Romania	44.8629N	24.9609E	495	From 2014-07-02
Steigen	STEI	Norway	67.9300N	15.2420E	21	From 2007-06-17
Stein am Rhein	STEIN	Switzerland	47.6697N	8.8690E	540	From 2003-08-29
Steinbach	BA18	Nordrhein-Westfalen,Germany	50.5938N	6.8393E	262	From 2006-10-01
Steinbach	STB	Nordrhein-Westfalen,Germany	50.5940N	6.8400E	270	From 1975-12-01
Ste Jean	SJPF	Aquitaine,France	43.1133N	1.2250W	450	From 1996-04-03
St-Eleuthere	SELQ	Quebec,Canada	47.5000N	69.3600W	459	From 1984-08-28
Stellar Camp, Hudson Bay	STLN	Nunavut,Canada	67.3116N	92.9849W	204	From 2006-08-18
Ste Marie-Mines	SMM	Alsace,France	48.2158N	7.1583E		
Stent	MSTM	California,U.S.A.	37.9045N	120.4050W	366	From 1972-04-19
Stepanavan	STE	Armenia	41.0000N	44.3700E	1390	From 1951-01-01
Stepanavan 1	ST1S	Armenia	40.9983N	44.3983E	1410	
Stepanavan 2	ST2S	Armenia	41.0217N	44.2600E	1625	
Stepanavan 7	ST7	Armenia	40.8883N	44.2792E	1910	
Stepenevan	STEZ	Armenia	41.0000N	44.3990E	1423	From 1996-10-01
Stephens Creek	STKA	New South Wales,Australia	31.8769S	141.5952E	272	From 1991-09-20
Stephens Creek	STK	New South Wales,Australia	31.8817S	141.5920E	213	From 1974-04-01 to 2006-05-29
Stephens Glacier	SGA	Alaska,U.S.A.	61.4207N	146.3950W	1326	From 1974-07-11 to 1976-01-28
Stepladder Mountains	STP	California,U.S.A.	34.5712N	114.8480W	628	From 1974-04-01 to 1976-10-31
Stepnoy Dvorets	STDB	Buryatiya,Russia	52.1690N	106.3660E	458	From 1999-08-01
Sterling	SGU	Utah,U.S.A.	39.1823N	111.6447W	2357	From 1978-10-01
Sterling City	230A	Texas,U.S.A.	31.8878N	101.1124W	742	From 2009-03-03 to 2011-02-05
Sterling Forest	SFN	New York,U.S.A.	41.1962N	74.2612W	244	
Sterling Forest	SFO	New York,U.S.A.	41.1962N	74.2600W	300	From 1962-01-01 to 1975-08-31
St-Etienne Orgue	STOF	France	43.9980N	5.9090E	650	
St. Eustatius	SEUS	Netherlands Antilles,Netherlands Antilles	17.4928N	62.9814W	46	From 2006-10-29
St. Eustatius G	SEUG	Netherlands Antilles	17.4800N	62.9720W	50	From 2013-12-01
St. Eustatius H	SEUH	Netherlands Antilles	17.4820N	62.9830W	50	From 2013-12-01
St. Eustatius T	SEUT	Netherlands Antilles	17.4690N	62.9750W	50	From 2013-12-01
St Evariste	F61A	Quebec,Canada	45.9743N	70.9921W	350	From 2013-08-05
Stevens Creek	SEC	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	LT1	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	JSCM	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stev Forest Ranch, Sanderson	529A	Texas,U.S.A.	30.1246N	102.2204W	764	From 2009-02-12 to 2010-12-11
Stewart Farms, Lamesa	129A	Texas,U.S.A.	32.6309N	101.8662W	876	From 2009-01-31 to 2010-12-07
Stewart Island	SIZ	Stewart Island,New Zealand	46.8734S	168.1331E	60	From 1990-12-12 to 2001-10-24
St. Gallen Kloster	STGK	Switzerland	47.4241N	9.3785E	672	From 2012-01-27
St. George Fire Station	SGSU	Utah,U.S.A.	37.0474N	113.6064W	755	From 2009-12-10
St-Georges	SGRQ	Quebec,Canada	46.1400N	70.5800W	330	From 1984-08-30
St. Georges / Gimel	GIMEL	Switzerland	46.5347N	6.2658E	1130	From 1999-09-06
Stickney	SY-	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stickney	SY-SD	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stiegenhof Hundestation	STIEG	Switzerland	47.4977N	8.6540E	535	From 2012-08-01
Stiles	STLY	New York,U.S.A.	41.1886N	74.0036W	125	
Stilesville Quarry	SVNB	New Brunswick,Canada	46.1628N	64.8750W	190	From 2013-09-06
Stillwater	SWN	Nevada,U.S.A.	39.8830N	118.0623W	2298	
Stillwater	STWA	New York,U.S.A.	42.9620N	73.6773W	103	
Stillwater	ST-NV	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	ST-	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater Mine	STMT	Montana,U.S.A.	45.3860N	109.8608W	1756	
Stimpson Lane	OSTM	California,U.S.A.	39.3688N	121.5970W	28	From 1975-08-05
Stinnett	V29A	Texas,U.S.A.	35.8734N	101.5209W	953	From 2009-01-18 to 2010-11-11
Stip	STIP	FYR Macedonia	41.6943N	22.1862E	300	From 2005-08-01
St-Isidore-de-Clifton	G61A	Quebec,Canada	45.2827N	71.5273W	378	From 2013-09-25
Stithians	CST1	England,United Kingdom	50.1952N	5.1635W	141	From 1981-01-01
St. Johann (BS)	JOHAN	Switzerland	47.5747N	7.5693E	-56	From 2006-10-01
St. Johns	X19A	Arizona,U.S.A.	34.4275N	109.2901W	1861	From 2007-04-10 to 2009-02-03
St Joseph	LT2	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph	JSJM	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph's College, Albany	AUALB	West Australia,Australia	35.0000S	117.9000E	50	From 2012-09-24
St. Kitts, UWI Open Campus	SKOC	Netherlands Antilles	17.2929N	62.7323W	15	From 2013-05-09
St Laurent du Var	SLAF	Provence-Cote d'Azur,France	43.6706N	7.1846E	70	From 2012-07-14
St-Lin Laurentide	F58A	Quebec,Canada	45.8663N	73.8145W	73	From 2013-07-27
St-Lucie-de-Beauregard	SLBQ	Quebec,Canada	46.7400N	70.0200W	412	From 1984-08-30
St Luke's College, Karratha	AUKAR	West Australia,Australia	20.7500S	116.8200E	45	From 2013-09-12
St. Maarten	SMRT	Netherlands Antilles,Netherlands Antilles	18.0505N	63.0746W	260	From 2006-10-27
St. Maarten, Airport	STMA	Netherlands Antilles	18.0428N	63.1089W	28	From 2004-03-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
St-Marc-des-Carri^¤res	SMCQ	Quebec,Canada	46.6709N	72.0551W	47	From 2009-11-04
St. Martinville	543A	Louisiana,U.S.A.	30.0856N	91.8557W	4	From 2011-02-25 to 2012-12-07
St. Marys Cement	DRCO	Ontario,Canada	43.8766N	78.7023W	84	From 2011-10-26
St Mary Star of the Sea, Carnarvon	AUCAR	West Australia,Australia	24.8900S	113.6600E	17	From 2013-09-03
St. Maurice	E59A	Quebec,Canada	46.4803N	72.5108W	62	From 2013-07-30
St. Michael	G36A	Minnesota,U.S.A.	45.2344N	93.7509W	293	From 2010-09-12 to 2012-07-26
St.-Nazaire-Desert	OG26	Rhone-Alpes,France	44.5783N	5.3022E	840	
St. Niklaus Bahnhofstrasse	SNIB	Valais,Switzerland	46.1771N	7.8024E	1110	From 2010-12-21
Stockdale Mountain	PSTM	California,U.S.A.	35.9288N	120.5080W	573	
Stockdale Mountain	SMNB	California,U.S.A.	35.9730N	120.5799W	416	
Stockholm	D63A	Maine,U.S.A.	47.0370N	68.1066W	256	From 2013-09-19
Stockton	P31A	Kansas,U.S.A.	39.5211N	99.3783W	665	From 2009-05-18 to 2011-04-05
Stockton	S38A	Missouri,U.S.A.	37.6304N	93.9078W	294	From 2010-12-15 to 2012-10-27
Stoke	STNC	England,United Kingdom	53.0913N	2.2062W	234	From 2007-04-24
Stokes Ranch, Hill City	J12A	Idaho,U.S.A.	43.2500N	115.0980W	1587	From 2006-12-08 to 2008-07-25
Stokkvaagen	STOK	Norway	66.3330N	13.0177E	18	From 2003-09-01
Stolb	SOTR	Sakha,Russia	72.4000N	126.8250E	50	From 1985-02-01 to 1995-02-01
Stolberg	BA02	Nordrhein-Westfalen,Germany	50.7722N	6.2157E	230	From 2006-10-01
Stollet	SLL	Sweden	60.4760N	13.3200E	390	
Ston	STON	Croatia	42.8716N	17.6999E	5	From 2003-10-13
Stone Canyon	SCYB	California,U.S.A.	36.0094N	120.5366W	695	
Stone Canyon	BSCM	California,U.S.A.	36.6330N	121.2340W	357	From 1976-10-06
Stone Canyon Observatory	STC	California,U.S.A.	36.6350N	121.2397W	267	From 1967-01-22 to 1976-10-06
Stone Canyon Reservoir	SCY	California,U.S.A.	34.1062N	118.4540W	287	From 1971-09-16
Stone Corral	PSNM	California,U.S.A.	35.7878N	120.2951W	390	
Stoneham	STOQ	Quebec,Canada	47.0188N	71.3795W	201	From 2007-11-02
Stone Ridge	PKNY	New York,U.S.A.	41.8742N	74.1714W	0	
Stone Ridge	PONY	New York,U.S.A.	41.8517N	74.1500W	0	
Stone Ridge	SPNY	New York,U.S.A.	41.8756N	74.1492W	0	
Stone Valley	CSVM	California,U.S.A.	37.8653N	122.0063W	199	
Stoney Creek	RD04	Ontario,Canada	43.1524N	79.6988W	168	
Stoneypath	ESY	Scotland,United Kingdom	55.9178N	2.6144W	328	From 1981-11-27
Stoney Pound	SSP1	Wales,United Kingdom	52.4177N	3.1119W	428	From 1990-01-01
Stony Hill	STH	Jamaica	18.0767N	76.8094W	418	From 1969-08-01
Stonyhurst	STO	England,United Kingdom	53.8500N	2.4667W	116	
Stony Point	SNPY	New York,U.S.A.	41.2663N	74.0040W	122	From 1975-06-17
Stony River	STY	Alaska,U.S.A.	61.1445N	154.2020W	1047	From 1972-07-24 to 1975-01-29
Storm Lake	K35A	Iowa,U.S.A.	42.7218N	95.2328W	439	From 2010-07-28 to 2012-05-16
Storozhevoye	VSR	Voronezhskaya Oblast',Russia	51.2162N	39.1664E	186	From 2007-09-03
Storozhevoye	VRSR	Voronezhskaya Oblast',Russia	51.2150N	39.1900E	180	
Stover Farm, Hazelton	K13A	Idaho,U.S.A.	42.6493N	114.0840W	1222	From 2006-12-12 to 2008-08-05
Stowe	DSTT	Dominica	15.2467N	61.3035W	120	
Stow on the Wold	SSW	England,United Kingdom	51.9667N	1.8499W	291	
St-Pascal	STPQ	Quebec,Canada	47.5300N	69.8000W	62	From 1979-09-19
St-Paul-en-Foret	SPF	Provence-Cote d'Azur,France	43.5639N	6.6972E	337	
Strafford	J63A	New Hampshire,U.S.A.	43.2792N	71.0781W	142	From 2013-09-08
Strandline Lake	STLK	Alaska,U.S.A.	61.4987N	151.8330W	940	
Strasbourg	STR	Alsace,France	48.5845N	7.7658E	135	
Strasburg	Q57A	Virginia,U.S.A.	39.0353N	78.4107W	324	From 2013-04-25
Stratford	STZ	North Island,New Zealand	39.3440S	174.2924E	305	From 1934-10-01 to 1939-03-31
Strathalbyn	STR2	South Australia,Australia	35.2871S	138.8479E	155	From 2007-01-08
Strathcona Park Lodge	SPLB	British Columbia,Canada	49.8921N	125.6526W	276	From 2009-07-30
Strathgordon	STG	Tasmania,Australia	42.8483S	146.2070E	350	From 1972-07-01 to 2009-09-03
Strathgordon Vge	STGV	Tasmania,Australia	42.7682S	146.0476E	0	
Strazhica	SZH	Bulgaria	43.2667N	25.9333E	310	From 1988-01-01
Streeter	ST4	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST1	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST4TX	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST2TX	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST1TX	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST2	Texas,U.S.A.	30.7922N	99.4478W	579	
Strehaia	SRE	Romania	44.6622N	23.2052E	335	From 1982-09-01
Strider, Charleston	Y44A	Mississippi,U.S.A.	33.9618N	90.2112W	46	From 2011-04-15 to 2013-02-08
Stringfield Ranch, Weed	124A	New Mexico,U.S.A.	32.7001N	105.4544W	2078	From 2008-02-27 to 2010-01-18
Striped Hills	SDH	Nevada,U.S.A.	36.6453N	116.3378W	1073	From 1978-07-24 to 2002-12-10
Striped Peak	STW	Washington,U.S.A.	48.1502N	123.6700W	308	From 1973-06-27
Strizhament	STRR	Stavropol'skiy Kray,Russia	44.7747N	42.0153E	820	
Stroemstad	STRU	Sweden	59.0345N	11.1825E	50	From 2006-07-27
Strofades	SFD	Greece	37.2512N	21.0165E	45	From 2009-07-24
STROMBOLI 3	STR3	Sicily,Italy	38.7978N	15.2305E	195	From 2003-05-01
STROMBOLI 4	STR4	Sicily,Italy	38.7739N	15.2115E	86	From 2003-05-01
Stromboli 5	STR5	Sicily,Italy	38.7911N	15.2032E	632	From 2003-05-01
Stromboli F	IST3	Sicily,Italy	38.7992N	15.2304E	255	From 2011-06-17
Stromboli-G	GIN	Italy	38.7897N	15.1908E	125	
Stromboli Ginostra	ISTR	Sicily,Italy	38.7867N	15.1919E	116	From 2011-06-15
Stromboli Pizzo	ISTP	Sicily,Italy	38.7927N	15.2143E	963	From 2011-06-27
Stronsay	OST	Orkney Islands,United Kingdom	59.0860N	2.5516W	15	From 1995-09-21
Stroppo	PZZ	Italy	44.5068N	7.1160E	1430	From 1985-01-01
Stroud	STRD	England,United Kingdom	51.7763N	2.1639W	187	From 2009-07-14
Str Punta Lena IE	ISPL	Sicily,Italy	38.7747N	15.2112E	160	From 1996-01-01
Struganik	STRS	Serbia	44.2036N	20.1115E	0	
St. Stephen	Z58A	South Carolina,U.S.A.	33.3349N	79.8129W	18	From 2013-02-24
Studebaker Ridge	STD	Washington,U.S.A.	46.2378N	122.2230W	1268	
Studenec	STCW	Czech Republic	50.2591N	12.5197E	666	From 1997-01-01
Stuetta	TUE	Italy	46.4722N	9.3472E	1955	
Stulken Farm, Doniphan	N32A	Nebraska,U.S.A.	40.7639N	98.2955W	587	From 2009-09-08 to 2011-08-19
Stuttgart	STU	Baden-Wurttemberg,Germany	48.7719N	9.1950E	360	From 1929-01-01
Stuttgart	X42A	Arkansas,U.S.A.	34.5532N	91.6262W	62	From 2011-07-28 to 2013-02-16
Stutzman Family Farm, Minonk	N43A	Illinois,U.S.A.	40.9394N	89.1735W	215	From 2011-11-04
Stuzhytsa	STZU	Ukraine	49.0163N	22.6229E	385	From 2011-03-15
St. Veronique	E56A	Quebec,Canada	46.5436N	75.0341W	320	From 2013-07-30
St. Vincent, Congo Valley	SVCV	St Vincent,Saint Vincent and the Grenadines	13.2722N	61.1451W	250	From 2010-04-23
Stwlan	WST	Wales,United Kingdom	52.9750N	3.9889W	850	From 1986-01-01
Suanglung	SSLB	Taiwan region	23.7875N	120.9540E	450	
Suao	TWC	Taiwan region	24.6092N	121.8490E	20	From 1973-03-16
Suao Port	TWCP	Taiwan region	24.5970N	121.8570E	0	From 2001-04-10
Subarray A0 LASA	-A0MA	Montana,U.S.A.	46.6886N	106.2222W	897	
Subic Bay	SBP	Luzon,Philippines	14.8333N	120.2830E		
Suche	PT08	Peru	11.9600S	76.5490W	2880	From 1983-08-30
Suckling Hill	SUK	Alaska,U.S.A.	60.0737N	143.7770W	454	
Suckling Hills	SUCK	Alaska,U.S.A.	60.0725N	143.7770W	467	
SUCO	SUCO	Cordoba,Argentina	33.3445S	64.8835W	780	From 2001-07-13
Sucre	SUC	Bolivia	19.0467S	65.2644W	2850	
Sucupira, TO, Brazil	RET4	Tocantins,Brazil	12.1850S	48.7117W	264	From 2008-07-20 to 2012-06-09
Sudak	SUDU	Ukraine	44.8900N	35.0000E	108	From 1998-10-01
Sudbury	SZO	Ontario,Canada	46.4381N	81.4961W	312	From 1987-01-24
Sudbury	SUO	Ontario,Canada	46.4027N	81.0068W	252	
Sudbury	SWO	Ontario,Canada	46.7328N	80.9994W	372	
Sudbury	SUD	Ontario,Canada	46.4667N	80.9667W	267	From 1967-11-22
Sudbury	SWXO	Ontario,Canada	46.5971N	81.2778W	337	
Sudbury Onaping	SUNO	Ontario,Canada	46.6438N	81.3442W	369	
Sudden Peak, Lompoc	SDP	California,U.S.A.	34.5655N	120.5014W	631	From 2002-01-18 to 2006-08-15
Sud-Ghoubbet	SGH	Djibouti	11.4370N	42.6307E	700	From 1976-04-01
Sue Hot Springs	SOX	Nevada,U.S.A.	40.1017N	117.7167W	1198	
Suez	SUZ	Egypt	29.8406N	32.8322E	277	
Suffern	SUFF	New York,U.S.A.	41.1583N	74.1092W	152	
Suffield	L62A	Connecticut,U.S.A.	42.0328N	72.6617W	49	From 2013-09-06
Suffield	SES	Alberta,Canada	50.3958N	111.0420W	770	From 1966-05-11
Sufian	SFNV	Syria	36.4180N	40.1116E	810	From 2002-04-01
Sufi-Kurgan	SFK	Kyrgyzstan	40.0130N	73.5030E	2160	
Sugar Bowl	BOLM	Washington,U.S.A.	46.2154N	122.1747W	1859	From 2004-10-03
Sugar Creek Farm, Atlanta	O43A	Illinois,U.S.A.	40.2856N	89.3130W	224	From 2011-08-17 to 2013-05-07
Sugar Island	SUG	Michigan,U.S.A.	46.5214N	84.1383W	190	From 1969-09-26 to 1972-08-09
Sugar Loaf	SLFW	Washington,U.S.A.	47.7589N	120.5278W	1750	
Sugarloaf Mountain West	SMWM	California,U.S.A.	36.0193N	117.8458W	1116	
Sugihara	SRJ	Gifu,Japan	36.4141N	137.1917E	440	
Sugihashi	SGJ	Fukui,Japan	35.6111N	136.1456E	210	
Suhut-Afyon	SHUT	Turkey	38.5530N	30.5511E	1215	From 2006-11-02
Sui-hua	SUI	Heilongjiang,China	46.6233N	126.9920E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sukabumi	SKJI	Jawa,Indonesia	7.0053S	106.5563E	100	From 2005-01-01
Sukhothai	SUKH	Thailand	17.4821N	99.6310E	58	
Sukute	SUKT	Nepal	27.7057N	85.7612E	745	From 2002-03-05 to 2002-11-07
Sulaymaniyah	SLY	Iraq	35.6000N	45.5000E	912	
Sulen	SUE	Norway	61.0570N	4.7610E	10	From 1984-11-01
Sulfur Bank	SB4	California,U.S.A.	38.8089N	122.8292W	327	
Sulina	TSSL	Romania	45.1621N	29.7269E	65	From 2013-05-14
Sullivan	SLTN	Tennessee,U.S.A.	36.4432N	82.1205W	1280	
Sulphur Creek	SUL	New Britain,Papua New Guinea	4.2194S	152.1930E	9	
Sultana	SULJ	Jordan	31.0867N	36.0767E	951	
Sultana	SALT	Saudi Arabia	29.0230N	34.9080E	350	From 1993-07-01
Sultanhani-AKSARAY	SULT	Turkey	38.1988N	33.5156E	982	From 2008-01-04
Sultanice-Enez-Edirne	ENZZ	Turkey	40.6074N	26.1406E	7	From 2011-03-28
Sultan-Mazar	SMT	Tajikistan	38.4667N	70.0667E		
Sumairaa	QSMS	Saudi Arabia	26.6716N	42.6852E	887	
Sumara - IBB Gov. - Yemen	SMRH	Yemen	14.1840N	44.2570E	2990	From 2005-10-23
Sumbawanga	SUMB	Tanzania,United Republic of Tanzania	7.9530S	31.6195E	1836	
Sumiainen	SUF	Finland	62.7192N	26.1506E	185	
Sumiya	SMAJ	Jordan	32.1550N	35.7830E	565	From 1983-09-01 to 1985-12-16
Summer Lake	K05A	Oregon,U.S.A.	42.7258N	120.8934W	1887	From 2006-07-31 to 2009-01-08
Summer Shade	SSKY	Kentucky,U.S.A.	36.7955N	85.7925W	300	From 1983-04-21 to 1987-03-05
summerside station 1	HC1P	Prince Edward Island,Canada	46.4340N	63.7953W	1	From 2013-05-23
summerside station 2	HC2P	Prince Edward Island,Canada	46.4323N	63.7642W	20	From 2013-05-23
summerside station 3	HC3P	Prince Edward Island,Canada	46.4240N	63.7395W	7	From 2013-05-23
summerside station 4	HC4P	Prince Edward Island,Canada	46.4106N	63.6705W	16	From 2013-05-23
Summerton	SMA	South Carolina,U.S.A.	33.6283N	80.3181W	30	From 1974-05-20 to 1975-07-01
Summit	SUMG	Greenland	72.5763N	38.4538W	3275	
Summit Reservoir	SURI	Idaho,U.S.A.	44.3058N	113.4830W	2324	
Summit Valley	SVMT	Montana,U.S.A.	45.8822N	112.5710W	1914	From 1984-01-01 to 1987-10-21
Sumner High School ANSS-SMO	SMNR	Washington,U.S.A.	47.2044N	122.2327W	626	From 2001-07-17
Sumoto	SUM	Hyogo,Japan	34.3350N	134.9080E	110	
Sumqayit	SMGA	Azerbaijan	40.6050N	49.6410E	-21	
Sumter	Y57A	South Carolina,U.S.A.	34.0170N	80.3915W	56	From 2013-02-19
Sunasenri	SUNK	Kumamoto,Japan	32.8695N	131.0892E	1240	
Sunbury	N58A	Pennsylvania,U.S.A.	40.8396N	76.7158W	200	From 2013-07-04
Sunchang	SUCA	Republic of Korea	35.3736N	127.1386E	100	From 2012-11-24
SUNCHEON	KSSCH	Republic of Korea	35.0649N	127.2408E	54	From 2006-12-30
Sundarnagar	SDNR	Himachal Pradesh,India	31.5000N	76.9700E	500	
Sundja	SNJR	Severo-Osetinskaya,Russia	43.0685N	44.8117E	671	From 2006-01-10 to 2010-06-20
Sundridge	F52A	Ontario,Canada	45.7951N	79.3227W	351	From 2012-11-02
Sunflower	SN-	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower	SN-AZ	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sungai Dareh	SDSI	Sumatera,Indonesia	0.9324S	101.4282E	0	From 2007-12-01
Sunmer	J47A	Michigan,U.S.A.	43.2382N	84.8214W	236	From 2012-09-14
Sun Moon Lake	SMLT	Taiwan region	23.8830N	120.8999E	1014	
Sunnyside	SUN	Utah,U.S.A.	39.6167N	110.4000W		
Sunnyside	E07A	Washington,U.S.A.	46.5585N	119.8548W	561	From 2006-08-29 to 2008-12-03
Sunnyside Mine	SMU	Utah,U.S.A.	39.6000N	110.3820W	1981	From 1962-01-01 to 1968-12-31
Sunnyside Ranch, Fairfax	H35A	Minnesota,U.S.A.	44.6985N	94.8311W	345	From 2010-09-26 to 2012-09-10
Sunol Dilatometer	CSU1	California,U.S.A.	37.6430N	121.9402W	499	
Sunset Crater	SCN	Arizona,U.S.A.	35.3689N	111.5430W	2111	From 1970-07-20
Sunset Lake	SSL	Pennsylvania,U.S.A.	41.1612N	74.9160W	259	From 1973-02-13 to 1976-05-31
Sunset Peak	SSK	California,U.S.A.	34.2107N	117.6930W	1683	
Sunshine	SSH	Alaska,U.S.A.	62.1667N	150.0780W	100	From 1971-08-01 to 1972-09-30
Sunshine Farm, Cogan Station	M57A	Pennsylvania,U.S.A.	41.3372N	77.1280W	319	From 2013-08-30
Sunshine Point	SNH	Alaska,U.S.A.	60.1800N	142.8380W	732	
Sunshine Ranch, Edgemont	J25A	South Dakota,U.S.A.	43.3901N	103.8026W	1220	From 2009-06-06 to 2011-05-10
Superstition Mountain	SUP	California,U.S.A.	32.9552N	115.8240W	220	From 1973-04-16
Superstition Mountain	SMTC	California,U.S.A.	32.9489N	115.7203W	3	
Suratani	SURT	Thailand	8.9577N	98.7950E	26	
Surathani	SURA	Thailand	9.1663N	99.6295E	-5	
Surbourg	SRBF	Alsace,France	48.9147N	7.8522E	200	
Surbourg	SUBF	Alsace,France	48.9156N	7.8481E	68	From 2009-06-01
Surduc	SDR	Romania	45.4889N	26.3831E	720	
Surhuizum	SUH1	Netherlands	53.2113N	6.2110E	21	From 2009-08-26
Surhuizum	SUH3	Netherlands	53.2113N	6.2110E	-39	From 2009-08-26
Surhuizum	SUH4	Netherlands	53.2113N	6.2110E	-69	From 2009-08-26
Surhuizum	SUH2	Netherlands	53.2113N	6.2110E	-9	From 2009-08-26
Surigao	SCPH	Mindanao,Philippines	9.7820N	125.4890E	49	
Surrey Hills	SHYM	Victoria,Australia	37.8260S	145.1100E	100	
Surry	T60A	Virginia,U.S.A.	37.1397N	76.7349W	11	From 2013-03-19
Survey Creek	SURV	British Columbia,Canada	53.4033N	132.1250W	186	
Susaki	SUS	Shizuoka,Japan	34.6667N	138.9830E	3	
Susana Heights	SHMP	Philippines	14.3820N	121.0230E	80	
Susan B. English School	SBEA	Alaska,U.S.A.	59.4423N	151.7123W		
Susara	SSR	Romania	44.8633N	21.7433E	400	
Susara	SSA	Romania	44.8633N	21.7433E	400	
Susehri	SUSE	Turkey	40.2086N	38.2025E	1586	From 2008-06-25
Susitna	SST	Alaska,U.S.A.	61.4347N	150.7800W	780	From 1971-08-24 to 1972-08-15
Susitna One	SUA	Alaska,U.S.A.	61.4638N	150.7430W	1297	From 1972-08-15
Sussex County Emergency Operations Center	SCOM	Delaware,U.S.A.	39.6957N	75.3627W	12	
Susuman	GRESR	Magadanskaya Oblast',Russia	63.0423N	147.2020E	793	From 2009-10-23
Susuman	SUUS	Magadanskaya Oblast',Russia	62.7786N	148.1672E	640	
Susuman-Seymchan profile, station 01	SS01	Magadanskaya Oblast',Russia	62.8224N	148.4186E	720	From 2004-04-01 to 2004-04-03
Susuman-Seymchan profile, station 02	SS02	Magadanskaya Oblast',Russia	62.7994N	148.8056E	820	
Susuman-Seymchan profile, station 03	SS03	Magadanskaya Oblast',Russia	62.8099N	149.1240E	639	From 2004-04-04 to 2004-04-05
Susuman-Seymchan profile, station 04	SS04	Magadanskaya Oblast',Russia	62.8434N	149.0507E	649	From 2004-04-05 to 2004-04-05
Susuman-Seymchan profile, station 05	SS05	Magadanskaya Oblast',Russia	62.8575N	149.7723E	450	From 2004-04-06 to 2004-04-09
Susuman-Seymchan profile, station 06	SS06	Magadanskaya Oblast',Russia	62.8576N	150.5658E	318	From 2004-04-07 to 2004-04-07
Susuman-Seymchan profile, station 07	SS07	Magadanskaya Oblast',Russia	62.8146N	150.8321E	345	From 2004-04-08 to 2004-04-09
Susuman-Seymchan profile, station 08	SS08	Magadanskaya Oblast',Russia	62.9899N	152.0816E	310	From 2004-04-13 to 2004-04-19
Susuman-Seymchan profile, station 09	SS09	Magadanskaya Oblast',Russia	62.9217N	151.8504E	400	From 2004-04-14 to 2004-04-19
Susuman-Seymchan profile, station 10	SS10	Magadanskaya Oblast',Russia	63.1451N	152.2005E	293	From 2004-04-17 to 2004-04-19
Susurluk	SLK	Turkey	39.8711N	28.1450E	147	From 1979-12-01 to 1999-08-25
Sutcliffe	SC-NV	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutcliffe	SC-	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutherland	SUR	Cape Province,South Africa	32.3800S	20.8117E	1760	
Sutluce-Isparta	SUTC	Turkey,Turkey	37.4765N	30.9996E	1300	From 2008-04-02
Sutter Butte	SUTB	California,U.S.A.	39.2291N	121.7861W	252	From 2005-05-17 to 2007-09-05
Sutter Buttes	OSUM	California,U.S.A.	39.2712N	121.8520W	67	From 1976-04-01
Sutton Inlier	SILO	Ontario,Canada	54.4792N	84.9126W	195	
Suttons Bay	G45A	Michigan,U.S.A.	45.0404N	85.6571W	284	From 2012-11-09
Suttsu	SUT	Shiribeshi,Japan	42.7900N	140.2400E	16	
Suttsu	SUT1	Shiribeshi,Japan	42.7933N	140.2283E	33	From 1989-09-22
Sut uroy	FSD	Faeroe Islands	61.5701N	6.7884W		
Suurupi	SRPE	Estonia	59.4633N	24.3800E	42	
Suva	SVA	Fiji	18.1167S	178.4580E	38	From 1976-07-01
Suva	SUV	Fiji	18.1489S	178.4570E	6	From 1913-01-01 to 1971-06-30
Suvo	SYVR	Buryatiya,Russia	53.6581N	109.9989E	490	
Suwalki	SUW	Poland	54.0125N	23.1808E	152	From 1995-11-05
Suwon	KSSWO	Republic of Korea	37.2669N	126.9669E	56	From 2002-11-06
Suzu	JSZ	Ishikawa,Japan	37.4483N	137.3633E	10	
Suzuyama	JSU	Kagoshima,Japan	31.5058N	130.4550E	400	
Svangstu Ranch, Noonan	A25A	North Dakota,U.S.A.	48.9388N	103.1128W	584	From 2009-07-24 to 2011-07-22
Svanoeiden	SVAU	Sweden	64.4940N	19.5750E	100	From 2000-09-08
Svartarkot	ISVA	Iceland	65.3370N	17.2550W	403	From 1998-07-27
Svendsen Farm, Lyons	L34A	Nebraska,U.S.A.	41.9666N	96.3762W	424	From 2010-05-31 to 2012-04-25
Sverdlovsk	SVE	Sverdlovskaya Oblast',Russia	56.8270N	60.6370E	275	
Svilajnac	SVIS	Serbia	44.2655N	21.2152E	117	From 1997-10-14
Svinoy	FSV	Faeroe Islands	62.2598N	6.3550W		
Swabi-Maira	SWR	Pakistan	34.1303N	72.8498E	489	From 1973-08-23 to 2009-09-20
Swabi Mera	SWM1	Pakistan	34.1300N	72.8490E	462	From 2009-09-20
Swamp Creek	SWP	Montana,U.S.A.	48.6068N	114.9850W	1157	From 1971-02-01 to 1976-10-04
Swan Island	SWA	Swan Islands,Honduras	17.4000N	83.9333W		
Swan Lake	C14A	Montana,U.S.A.	47.7687N	113.7468W	1173	From 2006-10-03 to 2009-08-08
Swan Pond Ditch	SPIN	Indiana,U.S.A.	38.5400N	87.6069W	122	
Swansea	SWAN	New South Wales,Australia	33.0920S	151.6330E	3	From 2007-01-01
Swansea	HSA	Wales,United Kingdom	51.7478N	4.1543W	274	From 1987-01-01
Swanson's Bluff	BSBM	California,U.S.A.	36.7378N	121.2870W	398	From 1975-06-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Swan View	SWV	Western Australia,Australia	31.8833S	116.0650E	80	
Swanville	F35A	Minnesota,U.S.A.	45.8580N	94.5734W	376	From 2010-09-10 to 2012-07-27
Swaqa	SWQJ	Jordan	31.2430N	36.0600E	876	
Swartz Lake	SWMT	Montana,U.S.A.	47.5093N	113.9990W	1297	
Swaziland	SWD	Swaziland	26.4017S	31.7728E		From 1973-03-12 to 1976-03-20
Swaziland	SWL	Swaziland	26.3122S	31.1538E	0	
Sweathouse Lookout Tower, Alberta	SWHSA	Alberta,Canada	54.8994N	116.7518W	913	From 2014-07-30
Sweetgrass	SW-	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweetgrass	SW-MA	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweet Springs	SSOR	Oregon,U.S.A.	44.8560N	122.4600W	1242	From 1991-09-01
Sweetwater, Wamsutter	M20A	Wyoming,U.S.A.	41.4906N	108.1865W	2134	From 2007-11-02 to 2009-10-18
Swindon	SWN1	England,United Kingdom	51.5131N	1.8004W	192	From 1993-01-01
Swingate, Kent	SWG	England,United Kingdom	51.1450N	1.3222E	122	From 2011-02-08
Swisshome	I02D	Oregon,U.S.A.	44.1059N	123.8469W	109	From 2010-08-07
SW Tenn Gill Cnt	GILT	Tennessee,U.S.A.	35.2309N	89.9829W	0	
Sydney	DNSO	New South Wales,Australia	33.8081S	151.0711E	28	From 2011-07-25
Sydney	SYD	New South Wales,Australia	33.8667S	151.2000E	43	From 1906-01-01 to 1948-12-31
Sydney Hard Rock	SYDH	New South Wales,Australia	33.7619S	150.7417E	63	From 2010-08-01
Sydney Soft Rock	SYDS	New South Wales,Australia	33.9297S	151.2243E	21	From 2010-04-30
Syktyvkar	SYKR	Komi,Russia	61.6708N	50.8247E	127	
Syllakh	SYL	Sakha,Russia	57.1200N	121.8600E	600	From 1989-01-01 to 1989-12-31
Sylvania	156A	Georgia,U.S.A.	32.6542N	81.4950W	40	From 2012-04-05
Syncline Ridge	NYS	Nevada,U.S.A.	37.0325N	116.1690W	1509	From 1971-01-01 to 1973-01-31
Syolatti, Pyhajoki	OBF0	Finland	64.4976N	24.2372E	25	From 2013-04-04
Syowa Base	SYO	Dronning Maud Land	69.0088S	39.5921E	20	
Syston	KSY	England,United Kingdom	52.9642N	0.5873W	123	From 1988-01-01
Syuhurei	SYU	Republic of Korea	36.2000N	128.0000E	100	
Szeged	SZE	Hungary	46.2483N	20.1414E	82	
Szhu	WSF	Taiwan region	23.6380N	120.2220E	6	
T031	T031	Sweden	57.2250N	13.6500E	185	
T034	T034	Sweden	57.3120N	14.3620E	210	
T035	T035	Sweden	57.1640N	14.7850E	180	
T036	T036	Sweden	57.4350N	13.9440E	205	
T037	T037	Sweden	57.3170N	15.0040E	235	
T038	T038	Sweden	57.6720N	13.9700E	280	
T039	T039	Sweden	57.5720N	14.3640E	315	
T043	T043	Sweden	58.0270N	14.7300E	210	
T044	T044	Sweden	58.2500N	14.9060E	140	
T052	T052	Sweden	57.8930N	15.6740E	170	
T053	T053	Sweden	58.0810N	15.4330E	155	
T054	T054	Sweden	58.0540N	15.9300E	160	
T056	T056	Sweden	58.3010N	16.1900E	80	
T057	T057	Sweden	58.4740N	15.9980E	55	
T058	T058	Sweden	58.5970N	15.5740E	95	
T059	T059	Sweden	58.5270N	16.5750E	25	
T061	T061	Sweden	58.9080N	15.6300E	75	
T065	T065	Sweden	55.3470N	13.3610E	8	
T066	T066	Sweden	55.5620N	12.9470E	12	
T067	T067	Sweden	55.5630N	13.5660E	115	
T068	T068	Sweden	55.7650N	12.9230E	4	
T069	T069	Sweden	56.0160N	12.8400E	56	
T070	T070	Sweden	56.0330N	13.6100E	118	
T071	T071	Sweden	56.2450N	12.6510E	18	
T073	T073	Sweden	56.2190N	13.2270E	110	
T074	T074	Sweden	56.6760N	13.9250E	136	
T075	T075	Sweden	56.7000N	14.5350E	165	
T076	T076	Sweden	56.7280N	13.1600E	95	
T077	T077	Sweden	56.9570N	14.3980E	192	
T10G	T10G	Germany	51.6100N	10.3160E	250	
T11G	T11G	Germany	51.7260N	9.4160E	280	
T12G	T12G	Germany	51.8350N	10.0530E	280	
T13G	T13G	Germany	51.9890N	9.6030E	230	
T14G	T14G	Germany	51.9990N	10.4260E	223	
T14S	T14S	Sweden	56.2590N	13.6230E	140	
T15G	T15G	Germany	52.0620N	10.0150E	185	
T16G	T16G	Germany	52.2370N	9.5220E	305	
T16S	T16S	Sweden	56.4270N	13.2270E	80	
T17G	T17G	Germany	52.2190N	10.2380E	78	
T18G	T18G	Germany	52.5230N	10.4650E	55	
T18S	T18S	Sweden	56.5200N	13.5660E	110	
T19G	T19G	Germany	52.5470N	9.4840E	35	
T1BD	T1BD	Denmark	55.8630N	12.2400E	24	
T1BG	T1BG	Germany	54.0780N	10.4520E	30	
T1MG	T1MG	Germany	54.2120N	10.0710E	36	
T21G	T21G	Germany	52.7060N	9.5700E	25	
T22G	T22G	Germany	52.7540N	10.1190E	65	
T24G	T24G	Germany	52.8990N	9.5870E	60	
T25G	T25G	Germany	53.0710N	10.3400E	70	
T26G	T26G	Germany	52.9590N	12.0310E	33	
T27G	T27G	Germany	54.5720N	13.6580E	100	
T28G	T28G	Germany	54.4740N	13.4690E	28	
T29G	T29G	Germany	54.3140N	13.3560E	25	
T2BD	T2BD	Denmark	55.7030N	11.5480E	8	
T2BG	T2BG	Germany	54.2230N	10.0740E	36	
T2MG	T2MG	Germany	54.1630N	10.4590E	35	
T30G	T30G	Germany	54.1920N	13.1770E	28	
T30S	T30S	Sweden	57.0950N	13.9460E	210	
T31G	T31G	Germany	54.0140N	13.0690E	13	
T32G	T32G	Germany	53.8500N	12.9050E	5	
T33G	T33G	Germany	53.6920N	12.7510E	42	
T34G	T34G	Germany	53.5260N	12.6550E	72	
T35G	T35G	Germany	53.3560N	12.4410E	71	
T36G	T36G	Germany	53.1550N	12.2590E	80	
T37G	T37G	Germany	52.8200N	11.8460E	22	
T38G	T38G	Germany	52.5260N	11.4590E	52	
T39G	T39G	Germany	52.3360N	11.3810E	63	
T3BD	T3BD	Denmark	55.5360N	12.0780E	33	
T3BG	T3BG	Germany	54.3280N	10.5470E	100	
T3MG	T3MG	Germany	54.4460N	10.0600E	30	
T40G	T40G	Germany	52.2410N	11.2860E	110	
T40S	T40S	Sweden	57.5810N	15.0390E	300	
T41G	T41G	Germany	52.0860N	11.1190E	102	
T41S	T41S	Sweden	57.8370N	15.1650E	300	
T42G	T42G	Germany	51.8720N	10.9110E	160	
T42S	T42S	Sweden	57.7610N	14.6640E	300	
T43G	T43G	Germany	51.6880N	10.7890E	450	
T45G	T45G	Germany	53.2190N	10.6530E	60	
T46G	T46G	Germany	53.2620N	9.9840E	110	
T48G	T48G	Germany	54.0120N	10.0120E	60	
T49G	T49G	Germany	53.8320N	9.7680E	30	
T4BD	T4BD	Denmark	55.2190N	11.5950E	20	
T4BG	T4BG	Germany	53.1350N	9.8000E	80	
T50G	T50G	Germany	52.1020N	9.1900E	270	
T51G	T51G	Germany	52.0690N	8.3700E	305	
T52G	T52G	Germany	51.7680N	7.8200E	80	
T53G	T53G	Germany	52.8940N	11.1420E	18	
T54G	T54G	Germany	53.7470N	11.3440E	65	
T55G	T55G	Germany	53.9270N	11.1530E	55	
T5BD	T5BD	Denmark	54.8860N	11.8150E	12	
T5BG	T5BG	Germany	53.1880N	9.3360E	30	
T5 Ranch, Ellsworth	L27A	Nebraska,U.S.A.	42.0837N	102.3154W	1186	From 2008-11-23 to 2010-10-05
T60G	T60G	Germany	53.6780N	12.2290E	50	
T60S	T60S	Sweden	58.7580N	15.9430E	200	
T61G	T61G	Germany	54.1700N	12.3430E	30	
T6BD	T6BD	Denmark	54.8870N	11.2550E	8	
T6BG	T6BG	Germany	53.3800N	9.5950E	50	
T6MG	T6MG	Germany	54.4870N	11.0140E	2	
T7BD	T7BD	Denmark	56.4560N	9.1670E	25	
T7BG	T7BG	Germany	52.2590N	8.5570E	188	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
T7MG	T7MG	Germany	54.4290N	11.2290E	15	
T801	T801	Denmark	55.5830N	11.3590E	57	
T802	T802	Denmark	55.3920N	11.8030E	45	
T803	T803	Denmark	55.3230N	12.2760E	19	
T804	T804	Denmark	55.3220N	11.3400E	31	
T805	T805	Denmark	55.1080N	11.9860E	15	
T806	T806	Denmark	54.8060N	12.0360E	11	
T807	T807	Denmark	54.7550N	11.2230E	1	
T808	T808	Denmark	54.6880N	11.6410E	16	
T809	T809	Denmark	54.8040N	10.7200E	15	
T810	T810	Denmark	55.0710N	10.8870E	20	
T811	T811	Denmark	55.6800N	12.4290E	13	
T812	T812	Denmark	56.0080N	12.4750E	30	
T813	T813	Denmark	55.8000N	11.9390E	34	
T814	T814	Denmark	55.5730N	11.7060E	38	
T815	T815	Denmark	54.9890N	12.5050E	83	
T816	T816	Denmark	54.5880N	11.9430E	2	
T817	T817	Denmark	54.8010N	11.5200E	5	
T818	T818	Denmark	55.0070N	10.5870E	11	
T819	T819	Denmark	55.1900N	10.7680E	35	
T820	T820	Denmark	55.4510N	11.2340E	11	
T897	T897	Sweden	58.3800N	12.5090E	52	
T898	T898	Sweden	57.0680N	13.4850E	163	
T899	T899	Denmark	55.7560N	13.2350E	61	
T8MG	T8MG	Denmark	54.2210N	10.8850E	30	
T998	T998	Denmark	56.0120N	12.4790E	24	
T999	T999	Denmark	56.0670N	12.2330E	19	
T9BG	T9BG	Germany	52.7230N	11.4790E	85	
T a@11 Lat	DLV	Vietnam	11.9433N	108.4867E	1575	
T a@11 Lat	DLVO	Vietnam	11.9652N	108.4815E	1550	From 1982-01-01
TA2, Sparta	U55A	North Carolina,U.S.A.	36.5023N	81.0472W	863	From 2013-02-21
Taal Volcano	CALP	Luzon,Philippines	13.9990N	121.0090E		
Tabaga	TBGR	Sakha,Russia	61.8210N	129.6370E	100	From 2003-06-24
Tabalakh	TBK	Sakha,Russia	67.5380N	136.5220E	200	From 1980-07-01 to 1995-02-01
Tabas	TABS	Iran	33.6490N	57.1190E	1106	From 2008-09-10
Tabasco	LJS	Tabasco,Mexico	17.9930N	93.4880W		
Tabat	TBTR	Krasnoyarskiy Kray,Russia	52.9291N	90.7201E	518	From 2005-05-27
Tabatinga, AM	TBTG	Amazonas,Brazil	4.1868S	69.9090W	91	From 2014-08-31
Tabele	TBL	Papua New Guinea	4.1013S	145.0120E	180	From 1964-01-01
Tabernacle	TABN	New Jersey,U.S.A.	39.8642N	74.6628W	31	From 1977-06-17 to 1978-08-31
Tabernacle Mountain	TABB	British Columbia,Canada	51.7500N	117.7620W	2469	From 1972-10-18 to 1999-08-25
Table Mountain	TABL	Alaska,U.S.A.	60.4403N	141.1423W	2050	
Table Mountain	OTBM	California,U.S.A.	39.5457N	121.5610W	219	From 1975-09-06
Table Mountain	TBM	Washington,U.S.A.	47.1695N	120.5980W	1064	
Table Mountain	TMC	California,U.S.A.	34.3750N	117.6930W	2180	
Table Rock	TBR	New York,U.S.A.	41.1417N	74.2222W	261	From 1975-07-01
Table Rock, Ramapo, NY	TRNY	New York,U.S.A.	41.1450N	74.2244W	270	From 2014-09-04
Tabor	N35A	Iowa,U.S.A.	40.8612N	95.6425W	353	From 2010-05-15 to 2012-04-21
Tabri@18z	TAB	Iran	38.0675N	46.3267E	1430	From 1965-08-10
Tabriz	ITBZ	Iran	38.2333N	46.1470E	1650	From 1995-08-01
Tabubil	TABU	Papua New Guinea	5.2690S	141.2228E	544	From 2013-03-27
Tabubil	TZZ	Papua New Guinea	5.2681S	141.2210E	700	From 1977-11-16
Tabubil	OKTD	Papua New Guinea	5.3484S	141.2917E	518	From 1994-01-01
Tabuk	TBKS	Saudi Arabia	28.2200N	36.5400E	295	
Taburiente	TBT	Canary Islands,Spain	28.6794N	17.9145W	180	From 1974-11-01
TACA	TACA	Bolivia	18.8279S	66.7331W	3810	From 1994-05-30 to 1995-08-09
Tacachico	TACO	El Salvador	13.9703N	89.3539W	355	From 2014-06-02
Tacana	TCG	Guatemala	15.1228N	92.0858W	3100	From 1986-07-01
Tacaratu-PE	NBTA	Pernambuco,Brazil	9.1218S	38.0632W	348	From 2011-07-27
Tacares	TCSO	Costa Rica	10.0420N	83.3000W	889	
T¨¡cata	TACV	Venezuela	10.1381N	67.0267W	546	From 2014-12-09
Ta-ch'eng	WTCT	Taiwan region	23.8640N	120.2810E	4	
Tachien	TWT	Taiwan region	24.2533N	121.1758E	1510	From 1973-10-04
Tacoma Substation	TBPA	Washington,U.S.A.	47.2581N	122.3669W	2	
Tacubaya	TAC	Mexico D.F.,Mexico	19.4050N	99.1936W	2297	
Tadjoura	TDJ	Djibouti	11.7955N	42.8888E	60	From 1972-04-01 to 1979-08-31
Tadjoura Ara	TDD	Djibouti	11.8037N	42.9070E	110	From 1979-09-01
Tadong	GTK	Sikkim,India	27.3191N	88.6018E	1348	
Tadotsu	TAD	Kagawa,Japan	34.2833N	133.7670E	4	
Tadoussac	TADQ	Quebec,Canada	48.1437N	69.7184W	46	From 1979-05-24
Taebaek	KSTBA	Republic of Korea	37.1226N	128.9523E	802	From 2006-12-30
Taegu	TAE	Republic of Korea	35.8667N	128.6000E	50	
Taejon	TJN	Republic of Korea	36.3772N	127.3638E	60	
Tafers	STAF	Switzerland	46.8052N	7.2161E	650	From 2008-04-16
Taforalt	TAF	Morocco	34.8142N	2.4142W	820	From 1972-11-01
Tafoughalt	TFLT	Morocco	34.8100N	2.4110W	875	
Taft	TF-CL	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taft	TF-	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taga	JTG	Shiga,Japan	35.1867N	136.3217E	160	
Tagaytay City	TGY	Luzon,Philippines	14.1022N	120.9367E	600	From 1991-01-01
Tagbilaran	TBP	Cebu,Philippines	9.6910N	123.8620E	120	
Tagebau Bergheim	BD02	Nordrhein-Westfalen,Germany	50.9679N	6.6743E	115	From 2001-01-01 to 2007-08-29
Taghat	TGT	Morocco	34.0700N	5.0550W	820	From 1993-01-01
Taghi Ghambar	TGI	Iran	32.9633N	59.1933E	1800	From 1975-05-01
Tahiti	TAH	Tahiti,French Polynesia	17.7333S	149.3000W		
TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	I24FP	Tahiti,French Polynesia	17.7493S	149.2958W	117	From 2000-03-11
Tahkenitch	TAKO	Oregon,U.S.A.	43.7435N	124.0812W	46	
Tahoe	TAHR	California,U.S.A.	39.1515N	120.1630W	2079	
Tahtakopru-Hatay	TAHT	Turkey	36.3757N	36.1852E	266	From 2009-10-19
Tahuroa Road	TOZ	North Island,New Zealand	37.7309S	175.5019E	85	From 1998-10-15
Taian	SANB	Taiwan region	24.3978N	120.9858E	1354	From 2005-04-20
Tai'an	TIA	Shandong,China	36.2114N	117.1240E	300	
Taichung	TCU	Taiwan region	24.1475N	120.6760E	84	
Taichung City	WHP	Taiwan region	24.2777N	120.9458E	832	From 2013-03-18
Taichung Port	TCUP	Taiwan region	24.2560N	120.5230E	0	From 2001-04-10
Taif	TAF1	Saudi Arabia	21.2830N	40.3500E	2500	From 1995-04-01
Taimali	ECL	Taiwan region	22.5970N	120.9540E	70	
Taimylyr	TML	Sakha,Russia	72.6100N	121.9200E	60	From 1986-01-01 to 1996-10-01
Tainan	TAI	Taiwan region	22.9952N	120.1970E	14	
Tainan City	TAI2	Taiwan region	22.9870N	120.2100E	30	From 1999-08-04
Tainan City	SNST	Taiwan region	23.2198N	120.4973E	156	From 2013-01-18
Taipa Grande	MCO	Macao,China	22.1219N	113.5580E	80	
Taipei	TATO	Taiwan region	24.9754N	121.4880E	53	From 1976-05-13
Taipei	TAP	Taiwan region	25.0393N	121.5060E	6	
Taipei	TAP1	Taiwan region	25.0390N	121.5230E	-80	
Taisha	TAIS	Ecuador	2.3804S	77.4997W	442	From 2012-11-16
Taitung	TTN	Taiwan region	22.7540N	121.1470E	9	
Taivalkoski	KU2	Finland	65.7096N	28.2300E	290	From 2003-11-05
Taiyuan	TIY	Shanxi,China	37.7131N	112.4340E	850	
Taiyuan	TYN	Shanxi,China	37.7867N	112.5900E		
Ta'izz	TAIZ	Yemen	13.5680N	44.0470E	0	
Takachiho West	KV11	Kagoshima,Japan	31.8839N	130.8989E	980	
Takada	TKJ	Niigata,Japan	37.1280N	138.2100E	40	From 1971-01-01
Takada	TKD	Niigata,Japan	37.1050N	138.2500E	15	
Taka-dake	TAKK	Kumamoto,Japan	32.8787N	131.1015E	1450	
Takaka	TAK	South Island,New Zealand	40.8499S	172.8044E	8	From 1931-01-01 to 1968-11-30
Takamatsu	TKM	Kagawa,Japan	34.3150N	134.0567E	10	
Takane	TKN	Gifu,Japan	35.9824N	137.5122E	1310	
Takapari Road	TSZ	North Island,New Zealand	40.0585S	175.9612E	531	From 2004-01-26
Takarajima	JTAJ	Ryukyu Islands,Japan	29.1532N	129.2030E	35	From 2010-02-01
Takato	JNT	Yamanashi,Japan	35.8750N	138.1380E	1180	From 1995-04-01
Takayama	TAKN	Gifu,Japan	36.1328N	137.1842E	700	
Takayama	TKY	Gifu,Japan	36.1533N	137.2567E	560	
Takayasuyama	TKU	Osaka,Japan	34.6117N	135.6600E	472	
Takazaki	JTZ	Miyazaki,Japan	31.9012N	131.0880E	170	
Takazawasan	TKZ	Gifu,Japan	35.5430N	136.9754E	260	
Take-yama	TKE	Kanagawa,Japan	35.2170N	139.6669E	112	
Takhtoyamsk	TTY	Magadanskaya Oblast',Russia	60.2020N	154.6790E	11	From 1987-09-01 to 1993-06-01
Talagante	TACH	Santiago,Chile	33.6532S	70.9376W	440	From 1982-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Talagante	MT09	Metropolitana	33.7762S	70.9887W	1371	From 2014-10-15
Talang	TLN	Sumatera,Indonesia	1.0000S	100.5000E		
Tala Pozo	TPA	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Talara	TAL	Peru	4.6317S	81.3067W	40	
Talasea	TLS	New Britain,Papua New Guinea	5.3097S	150.0450E	40	From 1972-09-01
Talaya	TLAR	Magadanskaya Oblast',Russia	61.1297N	152.3978E	730	
Talaya	TLY	Irkutskaya Oblast',Russia	51.6807N	103.6438E	579	
Talbingo	TAO	New South Wales,Australia	35.6109S	148.2890E	570	From 1969-01-01
Talbot Arm	YUK4	Yukon Territory,Canada	61.3448N	138.6462W	2009	From 2010-08-29
Talbot Brook	WA3	Western Australia,Australia	32.0517S	116.6430E	276	From 1973-01-01
Talca	TALC	Maule,Chile	35.3980S	71.6340W	90	
Talchebab	TCHB	Syria	32.6692N	35.9688E	458	From 1995-02-01
Talcott Mountain	TMT	Connecticut,U.S.A.	41.8114N	72.7989W	290	From 1972-01-07 to 1977-06-10
Taldyqorghan	TDK	Kazakhstan	45.0020N	78.4060E	540	From 1975-04-20
Talgar	AA2	Kazakhstan	43.2300N	77.2300E		
Talgar	AAB	Kazakhstan	43.2330N	77.2250E	1120	From 1961-08-31 to 1998-01-01
Talgar	TLG	Kazakhstan	43.2300N	77.2300E	850	From 1994-07-27
Taliwang, Sumbawa	TWSI	Sumba,Indonesia	8.7381S	116.8821E	86	From 2008-12-01
Talkeetna Mountains	TLK	Alaska,U.S.A.	62.4938N	147.8780W	1719	From 1974-07-10 to 1975-11-11
Talkin	BTA	England,United Kingdom	54.9057N	2.6844W	279	
Talladega	TDA	Alabama,U.S.A.	33.5417N	86.0247W	181	
Tallapoosa	TPMO	Missouri,U.S.A.	36.5400N	89.8520W	83	
Tallapoosa	TOPM	Missouri,U.S.A.	36.5259N	89.8885W	80	
Tallong	TLNG	New South Wales,Australia	34.7152S	150.0846E	600	From 2011-02-17
Tallowa	TALM	New South Wales,Australia	34.7709S	150.3809E	290	
Tallowa Pump Stn	TALL	New South Wales,Australia	34.7334S	150.4615E	68	
Tall Timber Ranch, Leavenworth	C06A	Washington,U.S.A.	47.9230N	120.8944W	594	From 2006-09-13 to 2008-05-16
Talmassons	TLI	Italy	45.9217N	13.1019E	-49	From 1985-11-27
Talon	TONS	Magadanskaya Oblast',Russia	59.7570N	148.6610E	20	From 2001-01-01 to 2001-02-28
Taloyoak	SBNU	Nunavut,Canada	69.5405N	93.5571W	78	
Talsperre Zeulenoda	ZEU	Thuringen,Germany	50.6707N	11.9771E	346	From 2012-10-01
Tal'yany, Baikal	TANS	Irkutskaya Oblast',Russia	52.2000N	103.3000E	600	
Tal-Yuryakh	TURS	Magadanskaya Oblast',Russia	63.3070N	146.6340E	900	From 2001-03-01 to 2001-06-30
Tal-Yuryakh Coal Mine	SS62	Magadanskaya Oblast',Russia	63.3281N	146.2810E	940	From 2009-08-19
Tamagu	JJT	Ryukyu Islands,Japan	26.1495N	127.7667E	188	
Tamagusuku 2	JJT2	Ryukyu Islands,Japan	26.1423N	127.7468E	200	
Tamagusuku3	JJT3	Ryukyu Islands,Japan	26.1437N	127.7837E	138	From 2012-03-22
Tamana	JTA	Kumamoto,Japan	32.9637N	130.5328E	230	
Tamanrasset	TAM	Algeria	22.7917N	5.5233E	1395	From 1948-01-01
Tamaro	TMA	Switzerland	46.1060N	8.8730E	1700	From 1981-01-01 to 2002-01-02
Tamasi	PKS9	Hungary	46.5870N	18.2789E	240	
Tambak Boyo	TBJI	Jawa,Indonesia	6.8179S	111.8481E	0	From 2007-12-01
Tambo	TAMB	Ecuador	0.6942S	78.3680W	4160	From 1990-08-10
Tambohuasha Chimborazo	TAMH	Ecuador	1.5430S	78.7800W	3674	From 2012-07-17
Tambo Quemado	BB04	Bolivia	18.2787S	69.0062W	4420	From 2012-01-20
Tam Dao	TDV	Vietnam	21.4647N	105.6457E	1200	
Tamdy-Bulak	TMD	Uzbekistan	41.7500N	64.6400E	273	
Tame, Arauca	TAMC	Colombia	6.4355N	71.7913W	457	From 2012-06-01
Tamitsa	TMCR	Arkhangel'skaya Oblast',Russia	64.1643N	38.0352E	23	From 2003-11-28
Tampico	TMX	Tamaulipas,Mexico	22.2550N	97.8506W	21	
Tamra	TAMR	Tunisia	37.0469N	9.1091E	93	From 2010-01-10
Tamworth	I62A	New Hampshire,U.S.A.	43.8743N	71.3359W	264	From 2013-09-07
Tanabenakahechi	JTNC	Wakayama,Japan	33.8185N	135.6108E	337	From 2011-11-01
Tanabu	TNB	Aomori,Japan	41.2833N	141.2170E		
Tanaga Cape Sajaka	TACS	Alaska,U.S.A.	51.8632N	178.1394W	918	
Tanaga Falls Point	TAFP	Alaska,U.S.A.	51.9001N	177.9833W	440	
Tanaga Flats	TAFL	Alaska,U.S.A.	51.7566N	177.8978W	186	
Tanaga North	TANO	Alaska,U.S.A.	51.9157N	178.1208W	269	
Tanaga Point Aries	TAPA	Alaska,U.S.A.	51.8155N	177.8128W	640	
Tanaga Southeast	TASE	Alaska,U.S.A.	51.8350N	178.0370W	682	
Tana Glacier	TGL	Alaska,U.S.A.	60.7558N	142.8300W	1234	From 1988-07-01
Tanaharon	THRI	Bali,Indonesia	8.3694S	115.5430E	1000	
Tanaka	TKA	New Britain,Papua New Guinea	4.3449S	152.1780E	365	
Tanana	TNN	Alaska,U.S.A.	65.2567N	151.9120W	504	
Tananarive	TAN	Madagascar	18.9169S	47.5519E	1375	From 1973-01-01
Tana Toraja	TTSI	Sulawesi,Indonesia	3.0451S	119.8190E	0	From 2007-12-01
Tanbara	JET	Ehime,Japan	33.7788N	133.0487E	410	
Tanegashima	TAJ	Ryukyu Islands,Japan	30.7367N	130.9933E	17	From 1970-07-01
Tanegashima 2	TAJ2	Ryukyu Islands,Japan	30.6350N	130.9800E	280	From 1984-08-01
Tanegashima 3	JTN	Ryukyu Islands,Japan	30.6543N	130.9797E	240	
Tanete Lipujang	TANI	Sulawesi,Indonesia	3.4361S	119.3830E	230	
Tangerang	TNG	Jawa,Indonesia	6.1717S	106.6462E	14	
Tangkuban Prahu	TPJ	Jawa,Indonesia	6.7667S	107.6000E		From 1969-01-01 to 1999-08-25
Tanjungpandan	TPI	Sumatera,Indonesia	2.7563S	107.6534E	25	
Tanjung Pinang	TPRI	Sumatera,Indonesia	0.9184N	104.5263E	41	From 2005-01-01
Tanna	TANV	Vanuatu	19.5326S	169.2795E	100	
Tannan	TNJ	Kyoto,Japan	35.0314N	135.2136E	310	
Tannehill State Park	TSAL	Alabama,U.S.A.	33.2561N	87.0675W	180	
Tannenbergsthal	TANN	Sachsen,Germany	50.4149N	12.4616E	836	From 2000-12-19
Tanohata	JTH	Iwate,Japan	39.9387N	141.8637E	200	
Tantan	TANT	Morocco	28.4070N	11.2340W	281	
Tanti	TCA	Cordoba,Argentina	31.3370S	64.5954W	1035	From 1980-01-03
Tanto	TTOK	Hyogo,Japan	35.5065N	134.9772E	190	
Tanzanite One Mining	SIMG	Tanzania,United Republic of Tanzania	3.5623S	37.0257E	1092	
Taoyuan	NTY	Taiwan region	24.9997N	121.2976E	94	From 2014-12-29
Tapachula	TLA	Chiapas,Mexico	15.0289N	92.2000W		
Tapachula	TPX	Chiapas,Mexico	14.9050N	92.2611W	150	From 1984-01-01
Tapar	TAPR	Gujarat,India	23.2090N	69.6635E	120	From 2012-01-01
Tapini	TPN	Papua New Guinea	8.3569S	146.9840E	989	
Taplejung	TAPN	Nepal	27.3500N	87.7100E	2530	From 1994-04-01
Tapovan	TPVN	Himachal Pradesh,India	30.4964N	79.6113E	2110	From 2007-05-01
TAPS Pump St10	PS10	Alaska,U.S.A.	63.4233N	145.7684W	732	
TAPS Pump St11	PS11	Alaska,U.S.A.	62.0793N	145.4730W	377	
TAPS Pump St12	PS12	Alaska,U.S.A.	61.4754N	145.1438W	568	
TAPS Pump Stn	PS01	Alaska,U.S.A.	70.2582N	148.6108W	2	
TAPS Pump Stn4	PS04	Alaska,U.S.A.	68.4218N	149.3538W	851	
TAPS Pump Stn5	PS05	Alaska,U.S.A.	66.8114N	150.6619W	331	
TAPS Pump Stn6	PS06	Alaska,U.S.A.	65.8549N	149.7344W	280	
TAPS Pump Stn7	PS07	Alaska,U.S.A.	65.3106N	148.2791W	290	
TAPS Pump Stn8	PS08	Alaska,U.S.A.	64.5426N	146.8196W	320	
TAPS Pump Stn9	PS09	Alaska,U.S.A.	63.9303N	145.7659W	478	
TAPS TI Valdez	VMT	Alaska,U.S.A.	61.0832N	146.3673W	60	
Ta-pu	TPUB	Taiwan region	23.3005N	120.6296E	370	
Ta-pu	WTP	Taiwan region	23.2460N	120.6140E	560	
Tara	ETA	Ireland	52.6958N	6.2100W	140	From 1982-03-01
Taradale	TRZ	North Island,New Zealand	39.5515S	176.8215E	17	From 1969-03-20 to 1988-05-25
Taradale Trig	TTH	North Island,New Zealand	39.5395S	176.8264E	120	From 1987-03-19 to 2003-07-26
Tarade	TAG	Guadeloupe,France	16.0420N	61.6642W	1182	
Taragay, Kyrgyzstan	TARG	Kyrgyzstan	41.7291N	77.8048E	3528	From 2008-08-14
Tara Hills	THP	South Island,New Zealand	44.5433S	169.8881E	760	From 1975-06-18 to 1984-01-22
Tarakan	TARAI	Kalimantan,Indonesia	3.3271N	117.5703E	95	From 2000-01-01
Tarama	JTJ	Ryukyu Islands,Japan	24.6408N	124.7020E	7	
Taranto	TAR1	Italy	40.5259N	17.2843E	75	From 2009-09-01
Taranto	TTI	Italy	40.4096N	17.2833E	20	From 1977-01-01 to 1999-08-25
Taranto	TA1	Italy	40.4096N	17.2833E		From 1977-01-01 to 1999-08-25
Taranto	TAR	Italy	40.4750N	17.2583E	15	
Taraponui	TAHZ	North Island,New Zealand	39.1340S	176.7405E	1297	From 1987-03-19 to 1997-08-18
Tarata	TNZ	North Island,New Zealand	39.1854S	174.3805E	123	From 1962-05-07 to 1985-07-27
Taravao	TVO	Tahiti,French Polynesia	17.7825S	149.2517W	620	
Tarawa	TARA	Kiribati (Gilbert Islands),Kiribati	1.3549N	172.9229E	19	
Tarawera	TAZ	North Island,New Zealand	38.2312S	176.5080E	1037	From 1984-07-18 to 2007-12-18
Taraz	DZA	Kazakhstan	42.8920N	71.3310E	631	
Tarbela	TAR2	Pakistan	34.0510N	72.6980E	396	From 1973-08-23
Tarbela	TRB	Pakistan	34.0828N	72.7157E	532	
Tarbella	TBLA	Pakistan	34.1000N	72.8000E	392	From 2010-06-12
Tardaria	ETAR	Sicily,Italy	37.6630N	15.0590E	940	From 2001-07-01
Targassone	TRGS	Languedoc-Rousillon,France	42.5022N	1.9667E	1700	
Tarifa	EXTA	Spain	36.0120N	5.6010W	28	
Tarija	TRJ	Bolivia	21.5131S	64.7761W	2100	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tarkhankut	TARU	Ukraine	45.3770N	32.5320E	0	From 2012-07-11
Taroona High School, Taroona	AUTAR	Tasmania,Australia	42.9400S	147.3600E	25	From 2013-10-01
Tarpa	TRPA	Hungary	48.1304N	22.5391E	113	From 2006-11-01
Tarquinia - VT	TO07	Italy	42.2714N	11.7888E	188	From 2008-07-15 to 2009-10-18
Tarquinia - VT	TO06	Italy	42.2015N	11.8360E	96	From 2008-05-14 to 2009-04-02
Tarraleah	TRR	Tasmania,Australia	42.3042S	146.4500E	579	From 1960-01-01 to 2009-09-03
Tarraleah	LEAH	Tasmania,Australia	42.3027S	146.4516E	590	
Tartu	TTU	Estonia	58.3833N	26.7167E		
Tartu	TRTE	Estonia	58.3786N	26.7205E	100	
Tarutung	TRSI	Sumatera,Indonesia	2.0256N	98.9594E	979	From 2005-01-01
TASBURUN-IGDIR	TASB	Turkey	39.9838N	44.2384E	849	From 2011-10-30
Tashiro 2	JTSR	Kagoshima,Japan	31.1663N	130.9217E	430	
Tashkent	TAS	Uzbekistan	41.3293N	69.2857E	472	From 1901-01-01
Tashtagol	TASR	Kemerovskaya Oblast',Russia	52.7600N	87.8800E	530	
Taskesti	BTAS	Turkey	40.5706N	30.9999E	732	From 2009-11-20
Taslik	TST	Turkey	40.2483N	28.3733E	35	From 1978-11-01 to 1999-08-25
Tasmania University	TAU	Tasmania,Australia	42.9099S	147.3200E	132	From 1957-01-01
Tasoluk	AYDN	Turkey	37.6608N	27.8792E	716	From 2002-12-20
Tassajara Creek	PTAM	California,U.S.A.	35.3925N	120.7078W	802	
Tasu	TSB	British Columbia,Canada	52.7650N	132.0330W	30	From 1984-04-13
Tasu	TSUB	British Columbia,Canada	52.7551N	132.0415W	314	From 2012-11-07
Tatalina	TT01	Alaska,U.S.A.	62.9066N	156.0204W	380	
Tatalina	TTA	Alaska,U.S.A.	62.9301N	156.0120W	990	
Tatalina	TTL	Alaska,U.S.A.	62.8986N	155.9760W		
Tatama	TATC	Colombia	5.1267N	75.9969W	2200	
Tataouine	TATN	Tunisia	32.5787N	10.5295E	550	From 2010-01-10
Tatarca	TATR	Romania	45.5977N	28.0499E	76	From 2015-07-23
Tateyama	TYM	Chiba,Japan	34.9708N	139.8481E	30	
Tateyama	TAT	Chiba,Japan	34.9833N	139.8680E	6	
Tateyama 2	TATJ	Chiba,Japan	35.0317N	139.8902E	40	From 1990-05-10
Tathlith	TATS	Saudi Arabia	19.5416N	43.4773E	1123	
Tatla Lake BC	TALB	British Columbia,Canada	52.0147N	124.2536W	1122	From 2006-08-28
Tatong	TATM	Victoria,Australia	36.7747S	146.1061E	342	
Tatsuka	TATH	Iburi,Japan	42.5305N	140.8838E	140	
Tatum	Z27A	New Mexico,U.S.A.	33.3150N	103.2145W	1197	From 2008-04-17 to 2010-03-04
Tatum Dome	TQ-MS	Mississippi,U.S.A.	31.1328N	89.5711W	130	
Tatvan	TATV	Turkey	38.5080N	42.2672E	1831	From 2006-10-19 to 2011-11-11
Tauisk	TAUS	Magadanskaya Oblast',Russia	59.7290N	149.3350E	5	From 2001-01-01 to 2001-04-30
Tau Lekoa	TLEK	South Africa	26.9620S	26.6710E	1307	From 2008-06-30
Tau Lekoa	TAUL	Transvaal,South Africa	26.9960S	26.6090E	1350	From 2008-04-07
Taunus Mts	TNS	Hessen,Germany	50.2225N	8.4473E	815	From 1913-01-01
Tauranga	TGRZ	North Island,New Zealand	37.7288S	176.2609E	145	From 2003-02-18
Taurewa	TWVZ	North Island,New Zealand	39.0707S	175.4377E	1084	From 2004-05-18
Tausa, Cundinamarca	CTAU	Colombia	5.2030N	74.0443W	3868	From 2010-08-10
Tautenburg	TAUT	Thuringen,Germany	50.9816N	11.7107E	330	From 2008-05-16
Tauwhareparae	TWGZ	North Island,New Zealand	38.1767S	177.9804E	627	From 2009-12-09
Tauyuan	STYT	Taiwan region	23.1630N	120.7570E	640	
Tavarnelle	TAV1	Italy	43.5890N	11.1431E	285	From 2014-12-19
Tavernes	TAVF	Provence-Cote d'Azur,France	43.6173N	6.0578E	689	From 1982-11-01
Taveuni	TVI	Fiji	16.9259S	179.9590E	814	From 1981-11-01
Tavil'dara	TDT	Tajikistan	38.6833N	70.4833E	1670	
Tavira	PTAV	Portugal	37.1251N	7.6547W	25	From 2015-02-27
Tavsanli	TVSB	Turkey	39.4497N	29.4615E	1090	From 2009-02-12
Tavurvur	TAV	New Britain,Papua New Guinea	4.2312S	152.2200E	31	From 1967-01-01
Tawang	TAWA	Arunachal Pradesh,India	27.5938N	91.8668E	2979	From 2011-06-11
Tawau	TSM	Sabah,Malaysia	4.2936N	117.8725E	62	
Tawu	TAW	Taiwan region	22.3576N	120.8960E	8	
Tawu	TWJ1	Taiwan region	22.3696N	120.8838E	150	From 1978-01-13
Taxiarchis Harbor, Nea Kameni, Santorini I..	STAX	Greece	36.3993N	25.4045E	20	From 2012-03-30
Tayabas	TQP	Luzon,Philippines	13.8989N	121.8660E	300	
Tayabas	TAY	Luzon,Philippines	13.8990N	121.8660E	300	
Tayfur-Gelibolu	GELI	Turkey	40.3980N	26.4741E	129	From 2008-07-05
Taylor	NTYM	California,U.S.A.	38.3895N	122.6620W		
Taylor	CTAM	California,U.S.A.	38.0269N	122.0160W	152	
Taylor Creek Farms, Clarkson	M33A	Nebraska,U.S.A.	41.5726N	97.1950W	503	From 2010-06-16 to 2012-04-23
Taylor Farm	CTFL	California,U.S.A.	37.6463N	121.6720W	295	From 1981-01-01
Taylor Mountain	NTMM	California,U.S.A.	38.3858N	122.6800W	105	From 1970-08-14
Taylor Mountain	TMI	Idaho,U.S.A.	43.3056N	111.9180W	2179	
Taylor Ranch	PK3	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	PTYM	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	TRC	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylorsville	V55A	North Carolina,U.S.A.	35.8518N	81.2149W	306	From 2013-02-17
Taylorsville	TVNC	North Carolina,U.S.A.	36.0331N	81.2131W	731	
Tayyib Ism	TAYS	Saudi Arabia	28.5511N	34.8717E		
Tazeka	TZK	Morocco	34.0890N	4.1840W	1980	From 1993-01-01
Tazercounte	TZC	Morocco	32.1480N	6.4900W	1700	
Tazewell	TZTN	Tennessee,U.S.A.	36.5439N	83.5490W	394	From 2005-02-23
Tazewell	T54A	Virginia,U.S.A.	37.0608N	81.5762W	852	From 2013-01-30
Tazlina	TZL	Alaska,U.S.A.	62.0445N	145.4240W	366	From 1990-07-01
Tazzarine	TZRR	Morocco	30.7850N	5.5690W	994	
TBBG	TBBG	Germany	52.8700N	10.6320E	120	
T'bilisi	TIF	Georgia,Georgia	41.7167N	44.8000E	399	From 1899-01-01 to 1978-12-31
Tbilisi Sea	SEAG	Georgia,Georgia	41.7643N	44.8034E	607	From 2003-01-01
Tchakhmakh	TCHZ	Armenia	40.9000N	43.7000E	1860	
Teagarden Farms, La Cygne	R37A	Kansas,U.S.A.	38.3133N	94.8294W	298	From 2010-03-24 to 2012-03-03
Teanaway	TWW	Washington,U.S.A.	47.1381N	120.8680W	1046	From 1986-10-01
Teasdale	R16A	Utah,U.S.A.	38.2843N	111.4827W	2202	From 2007-06-26 to 2009-03-10
Tea Tree Gully	UTT	South Australia,Australia	34.8215S	138.7367E	300	
Te Atua	TEHZ	North Island,New Zealand	39.9877S	176.8114E	407	From 1987-03-19 to 1997-08-04
Tecamachalco	TCPM	Puebla,Mexico	18.8900N	97.6894W		
Tecapa	TCPZ	El Salvador	13.4890N	88.5070W	1594	
Tecapa	TECA	El Salvador	13.4945N	88.5023W	1603	
Tecate	TKX	Baja California,Mexico	32.5687N	116.6075W	541	
Techi	TDCB	Taiwan region	24.2531N	121.1583E	1295	
Technical University Creta	CH03	Crete,Greece	35.5330N	24.0705E	112	From 2013-08-01
TEC LaTrobe	TECM	Victoria,Australia	37.7245S	145.0555E	156	
Tecnologico de Monterrey	TMM	Nuevo Leon,Mexico	25.7505N	100.2029W	585	
Tecnologico de Monterrey 2	TMM2	Nuevo Leon,Mexico	25.6992N	100.2663W		
Tecolote Peak, Malaga	226B	New Mexico,U.S.A.	32.0778N	104.1654W	981	From 2009-02-21 to 2010-02-17
Tecomasuche	TME	El Salvador	14.0169N	89.3556W	516	
Tecpan	TEP	Guatemala	14.7878N	90.9715W	1640	From 1978-06-01
Tecpan 2	TP2	Guatemala	14.7833N	91.0213W	3075	From 1982-01-01
Tecpatan	TCX	Chiapas,Mexico	17.1330N	93.2950W	471	From 1979-12-01
Tecumseh	W35A	Oklahoma,U.S.A.	35.1527N	96.8745W	322	From 2010-04-15 to 2012-02-01
Teekin	TEK	Tonga	21.1297S	175.3220W	20	From 1970-10-01
Teeli	TEL	Tyva,Russia	51.0200N	90.2000E	980	
Teeples Ranch	TEE	Montana,U.S.A.	48.3795N	115.5880W	805	From 1971-02-01 to 1976-10-04
Tegal	TGJI	Jawa,Indonesia	6.8679S	109.1210E	44	From 2005-01-01
Teggiano - Istituto P. Leto	TEGI	Italy	40.3799N	15.5365E	568	
Tegucigalpa,Univ of Honduras	TGUH	Honduras	14.0570N	87.2730W	0	
Tehachapi Microwave	THC	California,U.S.A.	34.9087N	118.6630W	1718	
Tehra@18n	THR	Iran	35.9080N	51.1260E	2050	From 2000-08-01
Tehran	TEH	Iran	35.7367N	51.3817E	1462	
Tehran--Karaj	THKV	Iran	35.9157N	50.8788E	1795	From 1999-04-24
Tehuac#an	TPIG	Mexico	18.4195N	97.3617W	1488	From 2002-10-10
Tejag	ITEG	Iran	32.8965N	58.7488E	1745	From 2005-12-01
Tejeda	ATEJ	Spain	36.9150N	4.0140W	1480	
Tejon Ranch	TJR	California,U.S.A.	35.0275N	118.7430W	439	
Te Kaha	HAZ	North Island,New Zealand	37.7561S	177.7826E	20	From 2010-01-14
Te Karaka	TKGZ	North Island,New Zealand	38.4392S	177.8485E	98	From 2010-03-13
Tekeli-Mersin	TEKE	Turkey	36.1427N	33.1141E	172	From 2011-07-01
Tekeris	TEKS	Serbia	44.5492N	19.5287E	500	From 2008-12-29
Tekirdag	TDAG	Turkey	40.9903N	27.5344E	148	From 1996-04-01 to 1997-02-26
Tekirdag	TKR	Turkey	40.9902N	27.5357E	140	
Tekirdag	SART	Turkey	40.6889N	27.1800E	800	From 1997-02-27
Tekketepe	TKTP	Turkey	38.0400N	30.3200E	1788	From 1996-04-01
Telchick Spring	TCSI	Idaho,U.S.A.	43.6193N	113.4780W	1731	From 1992-01-01
Telegraph Cove	TLCB	British Columbia,Canada	50.5465N	126.8345W	10	From 2004-12-20
Telegraph Creek	TCBC	British Columbia,Canada	57.9231N	131.2820W	1356	From 1989-10-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Telford	O60A	Pennsylvania,U.S.A.	40.3177N	75.4050W	70	From 2013-04-28
Telica	TELN	Nicaragua	12.6042N	86.8313W	850	
Telica 3	TEL3	Nicaragua	12.5722N	86.8448W	300	
Teller	TLR	Alaska,U.S.A.	65.3183N	166.2117W	122	From 1980-01-01 to 1983-01-01
Tellico Plains	TLT	Tennessee,U.S.A.	35.3011N	84.2833W	512	
Telus,Franklin R.	TFRB	British Columbia,Canada	48.9332N	124.6363W	0	From 2004-05-28
Tema	TEGH	Ghana	5.6367N	0.0014W	14	From 1987-01-01
Te Maari	TMVZ	North Island,New Zealand	39.1156S	175.7041E	1200	From 2013-05-14
Te Maipa	TMWZ	North Island,New Zealand	41.1066S	175.8905E	529	From 2007-02-23
Temblor Range Southeast	TMB	California,U.S.A.	35.0873N	119.5350W	1021	From 1976-06-01
Temeni, Aigialia, West Greece	TEME	Greece	38.2317N	22.1181E	-56	From 2000-03-15
Temiscaming	JBBQ	Quebec,Canada	46.7751N	78.9632W	278	From 2001-12-04
Temiscaminque	MLQ2	Quebec,Canada	46.6814N	78.9907W	299	
Temiskaming	TMK	Quebec,Canada	46.6667N	79.0667W		
Tempiute Mountain	TPU	Nevada,U.S.A.	37.6046N	115.6496W	1964	
Temple University, Ambler	TUPA	Pennsylvania,U.S.A.	40.1663N	75.1864W	112	
Temporary aftershock station near Magadan	ST18S	Magadanskaya Oblast',Russia	59.6640N	150.2010E	18	From 2004-11-01 to 2004-12-01
Temporary station #20	ST20S	Magadanskaya Oblast',Russia	62.8950N	151.7470E	387	From 2005-04-22 to 2005-04-26
Temporary station #21	ST21S	Magadanskaya Oblast',Russia	62.9210N	151.8490E	384	From 2005-04-21 to 2005-04-25
Temporary station #22	ST22S	Magadanskaya Oblast',Russia	62.9050N	151.7420E	398	From 2005-04-15 to 2005-04-17
Temporary station #23	ST23S	Magadanskaya Oblast',Russia	62.8940N	151.7470E	385	From 2005-04-15 to 2005-04-17
Temuco	TMCH	Chile	38.7490S	72.6164W	100	
Temuco	TMU	Cautin,Chile	38.7344S	72.6006W	100	From 1974-04-01
Temuco	TEM	Cautin,Chile	38.7750S	72.6056W		From 1965-09-01 to 1999-08-25
Tena	TENA	Ecuador	0.7327S	77.7622W	1161	From 1994-09-21
Tena	ATEN	Ecuador	1.0069S	77.8113W	522	From 2012-07-14
Tende	OG23	Rhone-Alpes,France	44.1162N	7.6185E	930	From 1989-06-26
Tendick Farm, Oakridge	I04A	Oregon,U.S.A.	43.7941N	122.4113W	731	From 2006-11-03 to 2007-11-01
Tendola (MS)	T0913	Italy	44.1674N	10.0442E	296	From 2013-06-21
Tenerife	CTFE	Canary Islands,Spain	28.4794N	16.2622W	270	From 1983-01-01
Tenerife	TEN	Canary Islands,Spain	28.4643N	16.2454W	1	From 1952-01-01 to 1983-01-31
Tenhult	TNU	Sweden	57.6380N	14.2690E		From 1980-01-01 to 1991-12-31
Tenkeli	TLIS	Sakha,Russia	70.1800N	140.7800E	110	From 1984-01-01 to 1995-01-01
Tenkes	RHK3	Hungary	45.8885N	18.2521E	420	
Tenmabayashi	JTM	Aomori,Japan	40.7868N	141.0682E	130	
Ten Mile Ranch, Cody	K28A	Nebraska,U.S.A.	42.7136N	101.3665W	986	From 2009-06-03 to 2011-04-08
Tennant Creek	WRAB	Northern Territory,Australia	19.9333S	134.3500E	366	From 1994-03-27
Tennessee City	TCT	Tennessee,U.S.A.	36.0053N	87.5528W	245	From 1988-03-10
Tennyson Woods	TWOA	South Australia,Australia	35.0325S	138.5781E	165	From 1978-04-01
Tenryu	TNRJ	Shizuoka,Japan	34.9078N	137.8850E	66	From 1979-04-01
Teolo	TEOL	Italy	45.3600N	11.6700E	370	
Teotitlan	TEO	Oaxaca,Mexico	18.1382N	97.0752W	1060	
Tepee Creek	TPMT	Montana,U.S.A.	44.7298N	111.6660W	2518	From 1992-10-12
Tepee Creek (NFS), Magee	C11A	Idaho,U.S.A.	47.8397N	116.2557W	914	From 2007-08-28 to 2009-07-18
Tepekoy-Mersin	TEPE	Turkey	36.2196N	33.5614E	572	From 2011-07-01 to 2013-12-01
Tepekoy-MERSIN	TEPK	Turkey	36.2241N	33.5450E	574	From 2013-12-29
Tepelena	TPE	Albania	40.2952N	20.0109E	251	From 1984-04-01
Tepich	TEIG	Yucatan,Mexico	20.2263N	88.2764W	69	
Tepoztlan	TPM	Morelos,Mexico	18.9833N	99.0617W	1500	
Tequesquite Ranch, Mosquero	V26A	New Mexico,U.S.A.	35.7964N	103.7860W	1362	From 2008-05-10 to 2010-04-20
Teramo	TERO	Italy	42.6228N	13.6039E	673	From 2003-11-20
Tercis-les-Bains	TERF	Aquitaine,France	43.6788N	1.1133W	50	From 2011-03-25
Ter de Rio Valdez	TRVA	Tierra del Fuego,Argentina	54.6803S	67.3395W	240	
Terek-Say	TRKS	Kyrgyzstan	41.5300N	71.1400E	1640	
Teren Tiev Lake	TTV	Alaska,U.S.A.	61.0548N	147.1210W	533	From 1984-09-18
Terepaima	TEPV	Venezuela	9.9637N	69.1917W	470	From 2002-11-21
Teresina	TRSB	Piaua,Brazil	4.8700S	42.7100W	125	
Terlingua Ranch, Terlingua	627A	Texas,U.S.A.	29.4528N	103.3887W	1163	From 2008-03-08 to 2010-02-08
Termal-Yalova	TRML	Turkey	40.6095N	29.1735E	204	From 2014-01-01
Terme di Santa Lucia (Busana) - RE	RE05	Italy	44.4018N	10.3270E	1007	From 2008-12-28 to 2009-02-12
Termini	ISOR	Italy	40.5820N	14.3350E	497	From 1976-01-01
Ternate	TNE	Moluccas,Indonesia	0.7860N	127.3690E	0	
Ternate	TNTI	Moluccas,Indonesia	0.7718N	127.3667E	43	From 2007-01-05
Ternei	TEY	Primorskiy Kray,Russia	45.0360N	136.6030E	50	From 1982-02-01
Ternell	BTNL	Belgium	50.5862N	6.1297E	550	From 2013-09-16
Terradas	ETER	Spain	42.3015N	2.8555E	238	From 1988-03-01
Terra Mystica	MYKA	Austria	46.6299N	13.6416E	909	From 2006-12-13
Terranera (Rocca di Mezzo)	RM16	Italy	42.2347N	13.5321E	1311	From 2009-04-08 to 2009-05-25
Terranova	TER	Guatemala	14.3023N	90.6837W	560	From 1975-03-01
Terra Nova	BD15	Nordrhein-Westfalen,Germany	50.9145N	6.5903E	65	From 2013-09-24
Terranova Bay	TNV	Victoria Land	74.6950S	164.1240E	40	
Terranova Sibari	TDS	Italy	39.6589N	16.3378E	270	
Terranuova Bracciolini	TTER	Italy	43.5530N	11.5930E	163	From 2005-11-08
Terra Rica	TRCB	Parana,Brazil	22.7953S	52.6340W	580	
Terraza Guagua	TERV	Ecuador	0.1743S	78.6043W	4228	
Terre Adelie	TAA	Terre Adelie	66.8178S	141.3950E	8	
Terrebonne, OR	I05D	Oregon,U.S.A.	44.3386N	121.3395W	811	From 2009-10-20
Terre de Bas, Les Saintes	TDBA	Guadeloupe,France	15.8490N	61.6360W	157	From 2012-10-01
Terre Haute	THI	Indiana,U.S.A.	39.4069N	87.3600W	150	From 1962-09-21
Terry Harris R'ch	CTHM	California,U.S.A.	37.6680N	121.6557W	344	
Terskaya	TRKR	Severo-Osetinskaya,Russia	43.7233N	44.7321E	141	From 2005-08-09
T¨s	PKST	Hungary	47.2590N	18.0343E	473	From 2007-05-31
Tescani	TESR	Romania	46.5118N	26.6489E	372	
Teshikaga	TES	Kushiro,Japan	43.4836N	144.4028E	230	
Tesla Road	CTLM	California,U.S.A.	37.6573N	121.6440W	458	
Test Site	N2-NV	Nevada,U.S.A.	36.6333N	115.9831W		
Tesuque Peak	TSP	New Mexico,U.S.A.	35.7853N	105.7810W	3664	From 1973-10-14
Tesvikiye-Yalova	TSVK	Turkey	40.6267N	29.0873E	70	From 2014-01-01
Tete	TET	Mozambique	16.1467S	33.5768E	153	From 1970-12-01
Tete Morne	DTMT	Dominica	15.2330N	61.3520W	496	
Tetilla Peak	TTP	New Mexico,U.S.A.	35.6094N	106.2060W	2103	From 1973-10-01
Tetitlan	TETM	Guerrero,Mexico	17.1617N	100.6305W	50	
Teton Pass	TPAW	Wyoming,U.S.A.	43.4901N	110.9510W	2512	From 1986-01-01
Tevekalti-Mersin	TEVE	Turkey	36.4359N	33.4430E	847	From 2011-07-01
Texada	TXB	British Columbia,Canada	49.6969N	124.4360W	515	From 1984-01-14
Tezpur	TZR	Assam,India	26.6333N	92.8000E		
TEZPUR	TEZP	Assam,India	26.6168N	92.7989E	83	From 2011-05-01
Thakurichhap	THAK	Nepal	27.5997N	85.5567E	1551	From 2001-10-16 to 2002-11-07
Thala	THA	Tunisia	35.5603N	8.6997E	1080	
Thala	THTN	Tunisia	35.5616N	8.6881E	1095	From 2010-01-10
Thalero	THAL	Greece	38.0372N	22.6631E	129	From 2008-06-14
Thallon Road	WTRQ	Queensland,Australia	27.5286S	152.4640E		From 1985-05-23
Thamme Wali	THW	Pakistan	32.7943N	71.7427E	533	
Thanh Hoa	THV	Vietnam	19.8508N	105.7820E	0	From 2001-01-01
Thassos island	THAS	Greece	40.6064N	24.7194E	67	From 2012-07-04
Thassos, Thassos Island	THS1	Greece	40.7385N	24.5751E	36	From 2010-11-01
Thathri	TATRI	Jammu and Kashmir	33.1427N	75.7715E	1083	
Thathri	THTRI	Jammu and Kashmir	33.1455N	75.7918E	931	
The Bluff, Cayman Brac	CBCY	Cayman Islands	19.7380N	79.7583W	31	From 2011-01-01
The Citadel Site 1	C1SC	South Carolina,U.S.A.	32.7983N	79.9590W	5	
The Citadel Site 2	C2SC	South Carolina,U.S.A.	32.7993N	79.9643W	2	
The Dalles	VTDM	Oregon,U.S.A.	45.5453N	121.3110W	305	
The Farm, Brule	E38A	Wisconsin,U.S.A.	46.6058N	91.5542W	341	From 2011-08-29 to 2013-11-26
The Heights School	THS	South Australia,Australia	34.7417S	138.7733E	340	
Thein Dam	THN	Himachal Pradesh,India	32.4333N	75.7167E		
The King's School, Parramatta	AUTKS	New South Wales,Australia	33.7800S	151.0300E	95	From 2013-02-27
The Old Anderson's Place, Rush Valley	O15A	Utah,U.S.A.	40.2807N	112.4694W	1611	From 2007-06-28 to 2009-04-08
The Paps	APZ	Stewart Island,New Zealand	46.8318S	167.9889E	601	From 2006-05-07
The Peters Seismological Observatory	TPSO	South Australia,Australia	35.5000S	138.5000E	88	From 2014-02-01
The Promontory	YTP	Wyoming,U.S.A.	44.3918N	110.2850W	2384	
Thera Island	THR1	Greece	36.3705N	25.4593E	550	From 2004-02-01
Thermopolis	TL-WY	Wyoming,U.S.A.	43.3917N	108.0881W	1615	
Thessaloniki	SEIS	Greece	40.6322N	22.9650E	70	From 2011-01-01
Thessaloniki	THE	Greece	40.6322N	22.9650E	70	From 1981-01-01
Thessaloniki Airport	AMK1	Greece	40.5129N	22.9892E	10	From 2009-01-31
Thessaloniki CITY Hotel	THE6	Greece	40.6339N	22.9401E	15	From 2008-09-30
Thessaloniki EKO Refinery	TEK1	Greece	40.6832N	22.8907E	62	From 2008-09-30
Thessaloniki Library	LIB1	Greece	40.6299N	22.9518E	22	From 2008-09-30
Thessaloniki Prefecture	PRF1	Greece	40.5927N	22.9556E	-22	From 2011-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Thessaloniki Prefecture D.H.	PRF0	Greece	40.5927N	22.9556E	28	From 2012-08-01
Thessaloniki sewage pipe	THE7	Greece	40.6376N	22.9493E	70	From 2008-09-30
Thessaloniki S.S. Downhole	STA1	Greece	40.6317N	22.9628E	53	From 2012-04-01
Thessaloniki S.S. Downhole	STA0	Greece	40.6317N	22.9628E	83	From 2012-04-01
They Montfort	THEF	Lorraine,France	48.2268N	5.9863E	469	
Thira Island, Akrotiri	THR6	Greece	36.3562N	25.3975E	119	From 2004-02-01
Thira Island, Kera	THR5	Greece	36.4172N	25.3479E	180	From 2004-02-01
Thira Island, Nea Kammeni	THR3	Greece	36.4091N	25.4008E	71	From 2004-02-01
Thira Island, Oia	THR4	Greece	36.4600N	25.3974E	220	From 2004-02-01 to 2009-09-01
Thira island, Vourvoulos	THR2	Greece	36.4468N	25.4353E	220	From 2008-05-31
Thirsty	NT13	Nevada,U.S.A.	37.1570N	116.6670W	1628	
Thirsty Canyon	TCNV	Nevada,U.S.A.	37.1416N	116.7214W	1471	From 1984-11-02 to 2002-12-10
THIVAI	THV2	Greece	38.3162N	23.3198E	180	From 2013-07-15
Thompson	CTOM	Ohio,U.S.A.	41.6917N	81.1473W	387	
Thompson Farm, Foxworth	345A	Mississippi,U.S.A.	31.3080N	90.0309W	134	From 2011-03-17 to 2012-12-14
Thompson Grove	U27A	Texas,U.S.A.	36.4213N	102.8246W	1342	From 2009-04-15 to 2010-11-09
Thompson Ridge	KTRM	California,U.S.A.	41.9087N	123.3760W	1378	
Thomson	TOMM	Victoria,Australia	37.8085S	146.3497E	932	
Thor	THO1	Pakistan	35.3820N	73.8560E	2082	From 2007-09-01
Thorn Acres	CTHA	Ohio,U.S.A.	41.5422N	81.1108W	362	
Thorn Hill	U52A	Tennessee,U.S.A.	36.3929N	83.3671W	510	From 2012-05-29
Thornton Park	SATS	California,U.S.A.	33.7078N	117.8910W	-370	From 1987-02-01
Thorofare Mountain	TRF	Alaska,U.S.A.	63.4510N	150.2870W	1717	From 1989-08-01
Three Chop Ridge	GTC	California,U.S.A.	39.3994N	123.5553W	369	
Three Creek Meadows	TCO	Oregon,U.S.A.	44.1075N	121.6000W	1975	From 1987-08-27
Three Creeks Reservoir	TCRU	Utah,U.S.A.	38.6095N	112.4472W	2293	From 2009-11-17
Three Lakes	F41A	Wisconsin,U.S.A.	45.7387N	89.1046W	509	From 2011-09-02 to 2013-06-10
Three Point Mountain	TID	Idaho,U.S.A.	43.5000N	115.9330W		
Three Points, Tucson	216A	Arizona,U.S.A.	32.0022N	111.4574W	908	From 2007-03-02 to 2008-12-09
Three Sisters	THRC	California,U.S.A.	34.5532N	117.7183W	1025	
Three Sisters--Wife	WIFE	Oregon,U.S.A.	44.0597N	121.8175W	1955	
Thule	THULE	Greenland	76.5567N	68.6750W	275	
Thule	TULEG	Greenland	76.5374N	68.8237W	38	
Thule	TE-	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thule	THU	Greenland	76.4167N	68.3000W	485	
Thule	TE-GL	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thunder Bay	TBO	Ontario,Canada	48.6473N	89.4083W	468	From 1987-01-23
Thunder Mountain BC	THMB	British Columbia,Canada	52.5489N	124.1323W	1126	From 2006-08-27
Thunduwike	VWZMW	Malawi	11.1753S	33.5744E	1128	From 2012-01-17
Thun, Kantonsschule BE	STHK	Switzerland	46.7437N	7.6295E	559	From 2015-04-20
Thˆ…ringer Wald Luisenthal	THWA	Thuringen,Germany	50.7627N	10.6771E	692	From 2014-10-06
Tianjin	TIE	Hebei,China	39.1333N	117.2670E	20	
Tian-Shan	TNSS	Kazakhstan	43.0370N	76.9470E	3480	From 1984-09-01
Tianshui	TNH	Gansu,China	34.5783N	105.7520E		
Tiarei	TIAR	Society Islands,French Polynesia	17.5578S	149.3458W	300	
Tiaret	ETRT	Algeria	35.3900N	1.3000E	1221	
Tiberkul'	TBRR	Krasnoyarskiy Kray,Russia	53.8832N	93.7438E	400	From 2004-06-08
Ticaya	BATO	Bolivia	19.6254S	65.4374W	3353	From 1994-12-03 to 1995-08-08
Ticuantepe	TICN	Nicaragua	12.0335N	86.2317W	400	
Tiendilla	TLLA	Costa Rica	10.0045N	83.7737W	2677	
Tien Yen	TIYB	Vietnam	21.3348N	107.3893E	37	From 2006-01-01
Tierras Morenas	AR3	Costa Rica	10.5869N	85.0350W	760	
Tifton	TIGA	Georgia,U.S.A.	31.4389N	83.5898W	109	From 2008-12-06
Tigil	TIGL	Kamchatskaya Oblast',Russia	57.7640N	158.6700E	140	From 2012-08-09
Tignall	Y54A	Georgia,U.S.A.	33.8621N	82.6880W	176	From 2012-04-10
Tignish, PEI	TIGG	Prince Edward Island,Canada	47.0015N	63.0091W	8	From 2005-09-29 to 2007-11-05
Tigo	BI03	Bio-Bio	36.8437S	73.0257W	196	From 2013-06-13
Tigre	TIG	Costa Rica	9.0367N	83.2960W	690	From 1989-01-01
Tigre 2	TIG2	Costa Rica	9.0284N	83.2969W	680	
Tihany	TIH	Hungary	46.9000N	17.8930E	187	From 1987-01-01 to 1988-12-31
Tijuana	TJIG	Mexico	32.4335N	116.6747W	331	From 2010-10-30
Tijuco Alta	RSTA	Parana,Brazil	24.6508S	49.0327W	248	From 1992-01-01
Tiksi	TIK	Sakha,Russia	71.6333N	128.8667E	41	
Tiksi	TIXI	Sakha,Russia	71.6490N	128.8665E	50	
Tilbrook Grange	KTG1	England,United Kingdom	52.3264N	0.4019W	83	From 1988-01-01
Tilden	834A	Texas,U.S.A.	28.1251N	98.5519W	151	From 2009-12-21 to 2011-10-10
Tilichiki	TIL	Kamchatskaya Oblast',Russia	60.4330N	166.0570E	40	
Tilichiki	TILR	Kamchatskaya Oblast',Russia	60.4310N	166.0560E	40	From 2005-05-02
Tilichiki	TILK	Kamchatskaya Oblast',Russia	60.4460N	166.1450E	25	From 2008-12-04
Tillmans-Whites Bay	TWB	South Carolina,U.S.A.	33.1147N	80.1030W	9	From 1988-03-01
Tillsonburg	K52A	Ontario,Canada	42.7805N	80.7139W	232	From 2012-12-06
Timaru	TMZ	South Island,New Zealand	44.3832S	171.0062E	454	From 2014-05-16
Timbaki Heraklio	TMBK	Crete,Greece	35.0722N	24.7660E	17	From 2006-03-01
Timbered Crater	LTIM	California,U.S.A.	41.1761N	121.4888W	1156	
Timberline	TIMB	Oregon,U.S.A.	45.3356N	121.7101W	1901	From 2006-09-29
Timber Mountain	TMN	Nevada,U.S.A.	37.0836N	116.4440W	2190	From 1975-10-01
Timber Mountain	TMBR	Nevada,U.S.A.	37.0354N	116.3853W	1788	From 1982-02-19 to 2002-10-10
Timber West Blakeney	TWBB	British Columbia,Canada	48.5846N	124.0920W	122	
Timber West Granite	TWGB	British Columbia,Canada	48.6076N	124.2559W	127	
Timber West Koksilah	TWKB	British Columbia,Canada	48.6449N	123.7332W	128	
Timber West San Juan	TSJB	British Columbia,Canada	48.6013N	123.9885W	378	
Timisoara	TIM	Romania	45.7366N	21.2208E	88	From 1943-01-01
Timmins Ontario	TIMO	Ontario,Canada	48.4659N	81.3032W	392	From 2005-07-25
Timmit	TISM	Morocco	31.7210N	6.4400W	0	
Timpagrande	TIP	Italy	39.1786N	16.7583E	815	
Timpanogos Cave	TCVU	Utah,U.S.A.	40.4436N	111.7052W	1730	From 2012-09-13
Tinaroo	TINA	Queensland,Australia	17.1761S	145.5304E	767	
Tin City	TCY	Alaska,U.S.A.	65.5663N	167.9558W	72	
Tin City	TNA	Alaska,U.S.A.	65.5606N	167.9239W	74	From 1976-08-01
Tinemaha, Big Pine	TIN	California,U.S.A.	37.0542N	118.2301W	1197	From 1929-09-04
Tinghir	MTNG	Morocco	31.4160N	5.5560W	550	From 1993-04-10
Tingri, Xizang Zizhiqu	DINX	Xizang Zizhiqu,China	28.6647N	87.1157E	4374	From 2001-09-26 to 2002-11-06
Tinkers Knob	TNK	California,U.S.A.	39.2675N	120.2360W	2438	From 1973-04-01
Tin Mountain	TMO	California,U.S.A.	36.8048N	117.4035W	2170	From 1978-11-28
Tinos	TNSA	Greece	37.5395N	25.1631E	16	From 2010-06-18
Tintock	TIWZ	North Island,New Zealand	40.7760S	175.8857E	559	From 2006-03-07
Tiouine	TIO	Morocco	30.9267N	7.2617W	1335	From 1969-01-01
Tipaza	ATPZ	Algeria	36.5300N	2.3100E	156	
Tipaza	ATIP	Algeria	36.8833N	2.5000E	0	
Tippipah	TP-NV	Nevada,U.S.A.	37.2003N	116.2261W	2256	
Tippipah	TP-	Nevada,U.S.A.	37.2003N	116.2260W	2256	From 1961-12-06 to 1961-12-16
Tiptonville	DY3	Tennessee,U.S.A.	36.4430N	89.5069W	87	From 1969-01-01 to 1972-12-31
Tiptonville	TIPT	Tennessee,U.S.A.	36.4238N	89.4861W	88	
Tiputa	TPT	Tuamotu,French Polynesia	14.9844S	147.6200W	3	
Tirane	TIR	Albania	41.3477N	19.8650E	247	From 1968-09-01
Tirgusor	TIRR	Romania	44.4581N	28.4128E	77	
Tisan-Mersin	TISA	Turkey	36.1620N	33.6788E	94	From 2013-04-18
Tishomingo	TO-	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tishomingo	TO-OK	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tissa	TIS	Morocco	31.8920N	6.5540W	1687	
Tito	TITE	Italy	40.5546N	15.6926E	660	
Tiverton	M64A	Rhode Island,U.S.A.	41.5509N	71.2102W	17	From 2013-09-12
Tivoli	LTTV	Italy	41.9525N	12.8054E	253	From 2011-04-26
Tizayuca	VTVM	Mexico D.F.,Mexico	19.7702N	98.7745W	2450	From 2009-01-01
Tjoern	TJOU	Sweden	58.0320N	11.6250E	40	From 2006-10-24
Tkibuli	TKI	Georgia,Georgia	42.3500N	43.0000E	320	
Tkibuli	TKB	Georgia,Georgia	42.3509N	42.9943E	603	From 1970-01-01
tl_alroos	ROOS	Syria	34.1694N	37.2891E	843	From 2004-01-01
Tlapa	TPG	Guerrero,Mexico	17.5607N	98.5555W	1100	
Tlapa	TLIG	Guerrero,Mexico	17.5627N	98.5665W	1136	
Tlapaneco	HMTT	Guerrero,Mexico	17.7983N	98.5597W	902	From 2009-02-16
Tlaxiaco	TXO	Oaxaca,Mexico	17.2817N	97.6817W	2025	
Tlemcen	TEC	Algeria	34.8500N	1.2833W		
Tlemcen	OTLM	Algeria	34.8800N	1.3500W	801	
T-Link Ranch, Clifton	Z19A	Arizona,U.S.A.	33.2921N	109.2657W	1397	From 2007-04-03 to 2009-01-17
TMO PEDROTE	TIOV	Venezuela	10.4385N	66.4146W	830	From 2005-11-01
Tnine Tigouga, Taroudante	TTIG	Morocco	30.5470N	8.4410W	1200	
Tnine Yamani	TSY	Morocco	35.3728N	5.9700W		
Toaza	TOAZ	Ecuador	0.1790S	78.6155W	4200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tobago	TOB	Trinidad and Tobago	11.1410N	60.8410W	15	From 1977-05-01 to 1999-08-25
Tobarra	ETOB	Spain	38.6447N	1.5478W	855	
Tobermory, Bruce Peninsula National Park	TOBO	Ontario,Canada	45.2257N	81.5234W	169	From 2009-05-21
Tobishima	TBS	Akita,Japan	39.1920N	139.5560E	45	
Tobi-shima	TOBT	Akita,Japan	39.1900N	139.5500E	20	
Tobi-shima	JTB	Yamagata,Japan	39.1953N	139.5573E	50	
Tobruq	LTBQ	Libya	32.0557N	23.9210E	139	
Tocklai	TOC	Assam,India	26.7500N	94.7667E	87	
Toconce	TCN	Antofagasta,Chile	22.2750S	68.1717W	3300	
Tocopilla	TOCH	Antofagasta,Chile	22.0935S	70.2007W	45	From 2007-11-23
Tocopilla	TCP	Antofagasta,Chile	22.1231S	70.2106W	10	
Tocopilla	TPL	Antofagasta,Chile	22.0978S	70.2094W	40	
Tocota	PP05	Peru	15.6555S	74.0865W	1005	
Todenfeld	TDN	Nordrhein-Westfalen,Germany	50.5748N	6.9446E	350	From 1996-11-01
Todoroki	TDR	Wakayama,Japan	34.1597N	135.3070E	50	
Todzha	TDJR	Tyva,Russia	52.4000N	96.1000E	1000	
Tofino	TOFB	British Columbia,Canada	49.1543N	125.9078W	13	From 2009-02-14
Togane	TOG	Chiba,Japan	35.5500N	140.3670E	9	
Tokachihiroo	JTHR	Hokkaido,Japan	42.2913N	143.2988E	54	From 2012-07-01
Tokai 1	TK01	Shizuoka,Japan	33.7650N	137.5900E	-2202	From 1979-09-01
Tokai 2	TK02	Shizuoka,Japan	33.9467N	137.7570E	-1542	From 1979-09-01
Tokai 3	TK03	Shizuoka,Japan	34.1650N	137.9650E	-817	From 1979-09-01
Tokai 4	TK04	Shizuoka,Japan	34.3850N	137.8750E	-722	From 1979-09-01
Tokat	TOKT	Turkey	40.3203N	36.5448E	726	From 1996-01-30
Tokat	TOKA	Turkey	40.3232N	36.4783E	679	From 2007-12-10
Tokmak	BTOK	Turkey	39.7617N	28.0311E	407	From 2003-10-20
Tokmak	TKMK	Kazakhstan	42.8601N	75.3184E	960	
Tokmak	TTK	Turkey	39.7650N	28.0450E	430	From 1983-06-01 to 1987-01-31
Tokmak 2	TKM2	Kazakhstan	42.9208N	75.5966E	2020	
Tok Microwave	TMW	Alaska,U.S.A.	63.3245N	142.9970W	495	From 1986-01-01
Tok Station 1	TOK1	Amurskaya Oblast',Russia	55.6965N	129.9770E	1419	
Tok Station 2	TOK2	Amurskaya Oblast',Russia	55.6016N	130.1575E	1419	
Tok Station 3	TOK3	Amurskaya Oblast',Russia	55.6733N	130.2541E	1203	
Tok Station 4	TOK4	Amurskaya Oblast',Russia	55.7420N	130.3360E	1400	
Toktogul	TOKL	Kyrgyzstan	41.9400N	72.8700E	1097	From 2009-11-27
Tokunoshima	JTK	Ryukyu Islands,Japan	27.7857N	128.9505E	170	
Tokushima	TKS	Tokushima,Japan	34.0650N	134.5770E	2	
Tokushima 2	TKSJ	Tokushima,Japan	33.9833N	134.0480E	180	
Tokuyama	TKJD	Gifu,Japan	35.6919N	136.4777E	400	
Tokyo	TOK	Tokyo,Japan	35.6867N	139.7583E	-285	
Tolbacick	TLBS	Kamchatskaya Oblast',Russia	55.7530N	160.4200E	1000	From 1975-07-05 to 1978-09-08
Toledo	NE17	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo	H02A	Oregon,U.S.A.	44.6764N	123.9997W	209	From 2005-11-15 to 2008-01-23
Toledo	TOL	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo BPA CREST BB SMO	TOLO	Oregon,U.S.A.	44.6219N	123.9225W	21	From 2001-10-23
Toledo HGLP	TLO	Spain	39.8600N	4.0147W	465	From 1971-08-01 to 1978-09-17
Tolfa	TOLF	Italy	42.0641N	12.0002E	371	From 2002-10-01
Tolfa - RM	TO04	Italy	42.2044N	11.9393E	227	From 2008-04-11 to 2009-04-02
Tolfa - RM	TO01	Italy	42.1351N	11.9672E	203	From 2008-04-28 to 2009-04-02
Tolicha Peak	TI-NV	Nevada,U.S.A.	37.2853N	116.8669W	1524	
Tolicha Peak	TPK	Nevada,U.S.A.	37.2686N	116.8040W	2080	From 1979-06-11 to 1982-12-31
Tolima	TOLC	Colombia	4.5853N	75.3203W	2577	From 1994-01-01
Tolitoli	TOLI2	Sulawesi,Indonesia	1.1112N	120.7817E	50	From 2012-07-21
Toli-Toli	TOLI	Sulawesi,Indonesia	1.1214N	120.7944E	86	From 2008-07-01 to 2012-07-11
Tolley Road	TLZ	North Island,New Zealand	38.3294S	175.5380E	601	From 2009-05-07
Tolmezzo	TLM	Italy	46.4014N	13.0144E	322	
Tololo Astronomical Observatory	TLL	Coquimbo,Chile	30.1672S	70.8045W	2200	From 1970-01-01
Tololo Observatory, Vicun@16a	GO04	Coquimbo,Chile	30.1727S	70.7993W	2116	
Tolsona	TOA	Alaska,U.S.A.	62.1048N	146.1720W	909	From 1971-09-15 to 2004-08-19
Tolsona, Glennallen	M24K	Alaska,U.S.A.	62.1067N	146.1750W	908	From 2014-08-02
Tolsta	RTO	Scotland,United Kingdom	58.3778N	6.2092W	74	From 1995-09-10
Toltan Ranch, Big Piney	K18A	Wyoming,U.S.A.	42.6372N	110.0417W	2129	From 2007-11-06 to 2009-05-15
Tolt Reservoir	TTW	Washington,U.S.A.	47.6944N	121.6901W	542	
Tolt Reservoir	C05A	Washington,U.S.A.	47.6947N	121.6895W	541	From 2005-11-29 to 2008-02-21
TOLUCA	TOVM	Mexico	19.2828N	99.6777W	2727	From 2009-06-16
Tomahawk	TM-WS	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk	TM-	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk Gully	TMP	South Island,New Zealand	44.3133S	170.1201E	720	From 1975-06-18 to 1997-04-30
Tomakomai	TMR	Iburi,Japan	42.6333N	141.5830E	8	
Tomales Bay	NTBM	California,U.S.A.	38.2478N	122.9310W	128	
Tomamai	TOI	Rumoi,Japan	44.2212N	141.6837E	40	
Tomar	PTOM	Portugal	39.6180N	8.4107W	210	
Tom, Dick, Harry Mountain	TDH	Oregon,U.S.A.	45.2898N	121.7900W	1541	From 1982-09-01
Tomˆ'-Aˆ§u,PA,Brazil	TMAB	Para	2.3704S	48.0957W	26	From 2014-08-09
Tomie	TOM	Nagasaki,Japan	32.6083N	128.7650E	28	
Tonalea, Kykotsmovi	V17A	Arizona,U.S.A.	35.6218N	110.7938W	1596	From 2008-02-14 to 2009-02-06
TONANKAI O.B.S1	TTO1	Japan	33.6222N	136.7847E	-2068	From 2008-10-01
TONANKAI O.B.S2	TTO2	Japan	33.7347N	137.0272E	-2100	From 2008-10-01
TONANKAI O.B.S3	TTO3	Japan	33.8630N	137.3977E	-1000	From 2008-10-01
TONANKAI O.B.S4	TTO4	Japan	34.0080N	137.5382E	-1836	From 2008-10-01
TONANKAI O.B.S5	TTO5	Japan	34.2522N	137.7163E	-1019	From 2008-10-01
Tonantzintla	IIT	Puebla,Mexico	19.0210N	98.3080W	2205	
Tonasket	TK-WA	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
Tonasket	TK-	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
T'onet'i	TNTG	Georgia,Georgia	41.6600N	44.4100E	120	
Tongareva I.	TG-	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongareva Island	TG-IS	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongariro	TON	North Island,New Zealand	39.2010S	175.5382E	1120	From 1945-10-01 to 1966-04-23
Tongatapu	TNGT	Tonga	21.1500S	175.1830W	10	
Tongue	OTO	Scotland,United Kingdom	58.4953N	4.3940W	338	From 1995-09-21
TONGYEONG	KSTOY	Republic of Korea	34.8454N	128.4356E	32	From 2006-12-30
Tonnelnyy	TNL	Buryatiya,Russia	56.2800N	113.3600E	820	
Tonopah	TNP	Nevada,U.S.A.	38.0820N	117.2180W	1932	From 1963-10-11
Tonopah	R09A	Nevada,U.S.A.	38.2397N	117.0718W	1759	From 2006-06-10 to 2008-03-22
Tonopah	TPH	Nevada,U.S.A.	38.0750N	117.2225W	1883	From 1961-09-01
Tonopah	TPV	Nevada,U.S.A.	38.0658N	117.2280W	1890	From 1965-01-01 to 1970-12-31
Tonopah Range, Tonopah	S10A	Nevada,U.S.A.	37.9230N	116.5948W	1796	From 2007-01-22 to 2008-09-12
Tonto Forest Array	TFO	Arizona,U.S.A.	34.2678N	111.2700W	1492	From 1963-01-01 to 1975-03-31
Tonto Hills Observatory	THO	Arizona,U.S.A.	33.8753N	111.8740W	1134	From 1973-02-04 to 1974-07-31
Tony Mavity, Velonia	W41A	Arkansas,U.S.A.	35.1736N	92.2478W	95	From 2011-04-06 to 2011-08-06
Toogoolawah	WTGQ	Queensland,Australia	27.1458S	152.3330E	130	From 1977-03-18
Toolangi	TOO	Victoria,Australia	37.5714S	145.4910E	604	From 1962-01-01
Toolik Lake Research Station	TOLK	Alaska,U.S.A.	68.6408N	149.5724W	760	From 2011-08-13
Toone Canyon	TCUT	Utah,U.S.A.	41.1178N	111.4085W	2320	From 1989-08-01
Toowoomba	WOOM	Queensland,Australia	27.5441S	151.9720E	759	
Toowoomba 1 Hard	TW1H	Queensland,Australia	27.5442S	151.9720E	730	From 2009-01-01
Toowoomba State High School	AUTOO	Queensland,Australia	27.5500S	151.9700E	687	From 2013-08-11
Topalu	TLB	Romania	44.5858N	28.0420E	60	
Topalu	TLBR	Romania	44.5445N	28.0467E	115	From 2014-04-08
Tophouse	THZ	South Island,New Zealand	41.7625S	172.9052E	747	From 1989-12-02
Topkok	TKK	Alaska,U.S.A.	64.5558N	163.9970W	122	
Topo	TOPO	Azores,Portugal	38.5910N	27.9190W	645	
Topolobampo	TPB	Sinaloa,Mexico	25.5967N	109.0530W	25	
Topolog	TOPG	Romania	44.8764N	28.3782E	218	From 2013-10-23
Topolog	TPGR	Romania	44.8565N	28.4196E	449	From 2014-10-16
Topolovo	TOP	Kamchatskaya Oblast',Russia	53.2300N	158.0410E	200	
Topopah Spring	TPNV	Nevada,U.S.A.	36.9488N	116.2495W	1600	From 1992-06-15
Topo S. Jorge	PTOPO	Azores	38.5493N	27.7551W	42	From 2015-05-19
Toppenish Ridge	TRW	Washington,U.S.A.	46.2921N	120.5431W	723	From 1994-10-14
Toppenish Ridge	TR-WA	Washington,U.S.A.	46.2633N	120.5167W		
Toppo Di Castelgrande (Osservatorio Astronomico)	CSG3	Italy	40.8181N	15.4633E	1253	
Toppo, Italy	TOPPO	Italy	46.1987N	12.8170E	258	From 2009-03-25
Tor 1	TR1	Egypt	28.0068N	33.9521E	277	
Tor 2	TR2	Egypt	28.3853N	33.7227E	240	
T or C	TC-	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Torcal de Antequera, Malaga	E013	Spain	36.9641N	4.5340W	1221	From 2007-10-05 to 2009-06-23
Tordecillas	TORR	Spain	36.9723N	4.0743W	1321	
Torete	ETOR	Spain	40.8194N	2.0552W	1018	From 1988-03-01
Toribari	TORI	Manipur,India	25.0857N	93.5742E	40	From 2012-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Torino	TNO	Italy	45.0588N	7.6969E	260	From 1971-05-06
Tori shima	TOR	Bonin Islands,Japan	30.4817N	140.3050E	82	
TORKOZ	MTOR	Morocco	28.4948N	9.8487W	316	From 2010-01-01
Tornio	TOF	Finland	66.0799N	24.3246E	50	From 2011-01-27
Tornquist	TRQA	Argentina	38.0567S	61.9795W	501	
Torny/Romont	TORNY	Switzerland	46.7737N	6.9586E	758	From 2000-01-25
Torococo	TORV	Venezuela	9.5600N	70.2300W	1250	
Torodi Ar. Beam	TORD	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOA2	Niger	13.1477N	1.7004E	216	
Torodi Ar. Site	TOA3	Niger	13.1422N	1.6933E	216	
Torodi Ar. Site	TOA0	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOB1	Niger	13.1613N	1.6934E	231	
Torodi Ar. Site	TOA1	Niger	13.1529N	1.6919E	220	
Torodi Ar. Site	TOB2	Niger	13.1532N	1.7071E	216	
Torodi Ar. Site	TOB3	Niger	13.1376N	1.7042E	215	
Torodi Ar. Site	TOB4	Niger	13.1386N	1.6838E	226	
Torodi Ar. Site	TOB5	Niger	13.1536N	1.6806E	218	
Torodi Ar. Site	TOC1	Niger	13.1721N	1.7017E	233	
Torodi Ar. Site	TOC2	Niger	13.1568N	1.7204E	221	
Torodi Ar. Site	TOC3	Niger	13.1370N	1.7205E	214	
Torodi Ar. Site	TOC4	Niger	13.1216N	1.6994E	231	
Torodi Ar. Site	TOC5	Niger	13.1282N	1.6751E	231	
Torodi Ar. Site	TOC6	Niger	13.1483N	1.6655E	225	
Torodi Ar. Site	TOC7	Niger	13.1638N	1.6787E	224	
Toronto	TNT	Ontario,Canada	43.6667N	79.4000W	111	From 1897-01-01 to 1942-12-31
Toronto--Leslie Street Spit	TORO	Ontario,Canada	43.6136N	79.3433W	80	From 2004-05-04
Torosgyugh	TORS	Armenia	40.9350N	43.8733E	1910	
Torpederas	VA01	Valparaˆ›so,Chile	33.0229S	71.6474W	37	From 2013-09-03
Torre del Filo	ETFI	Sicily,Italy	37.7391N	14.9969E	2992	From 1994-10-01
Torre dell'Olmo (Gubbio) - PG	AT10	Italy	43.3196N	12.6942E	571	From 2010-04-20
Torres, Weston	T24A	Colorado,U.S.A.	37.0738N	105.0521W	2510	From 2008-06-27 to 2009-08-13
Torrevieja	EXTO	Spain	37.9920N	0.6890W	25	
Torrevieja, Alicante	E035	Spain	37.9950N	0.9356W	302	From 2008-04-25 to 2009-10-07
Torsby	TBY	Sweden	60.0790N	12.8300E	285	From 1978-01-01
Torshavn	FTO	Faeroe Islands	62.0199N	6.8274W		
Tortengo (Faido)	TONGO	Switzerland	46.4870N	8.7899E	864	From 2005-12-15
Tortola	TBVI	Virgin Islands	18.4167N	64.6167W	3	
Tortoreto Alta	TRTR	Italy	42.8081N	13.9138E	160	From 2006-11-15
Tortuguero	TRTC	Costa Rica	10.5753N	83.7135W	105	From 1996-01-01
Tortuguero	TRT1	Costa Rica	10.5973N	83.6995W	63	
Tory Channel	TCW	South Island,New Zealand	41.2103S	174.2764E	197	From 1977-03-28
Tosashimizu	JTO	Kochi,Japan	32.8597N	132.8022E	180	
Toshimahigashiyama	JTHY	Tokyo,Japan	34.5237N	139.2883E	147	From 2012-07-01
Tosontsengel	TSC	Mongolia	48.7700N	98.2500E	1450	
Tosya	TOS	Turkey	41.0360N	34.0230E	1046	
TOTAH	TOTH	Syria	33.3613N	36.4283E	696	From 2004-01-01
Toteng	TOT1	Botswana	20.3770S	22.9650E	940	From 2001-01-01 to 2100-12-31
Tottori	TOTJ	Tottori,Japan	35.4783N	134.2720E	27	From 1979-01-01
Tottori	TOT	Tottori,Japan	35.4850N	134.2400E	18	
Tottori	TTT	Tottori,Japan	35.5147N	134.2378E	10	
Toucheng	NTC	Taiwan region	24.8544N	121.8297E	4	From 2008-10-20
Toulon	O07A	Nevada,U.S.A.	40.1614N	118.8772W	1203	From 2006-03-01 to 2008-03-19
Toulx Ste Croix	TCF	Limousin,France	46.2881N	2.2100E	593	
Toumodi	TIC	Ivory Coast	6.6447N	5.0200W	263	From 1967-06-01
Tounfite	TFT	Morocco	32.0580N	5.2670W	0	
Tounfite	TNF	Morocco	32.5300N	5.3190W	2250	From 1993-01-01
Touzarine	TOU	Morocco	34.9620N	3.7540W	1126	From 1993-01-01
Tovanakuss	ETV	New Britain,Papua New Guinea	4.2062S	151.6677E	30	
Tower One	TOW	California,U.S.A.	35.8090N	117.7640W	684	
Townsend	357A	Georgia,U.S.A.	31.4239N	81.4855W	7	From 2012-03-15
Townsend	TSTN	Tennessee,U.S.A.	35.6766N	83.7040W	341	
Townsville	TVL	Queensland,Australia	19.2617S	146.7680E	5	
Townsville Hard Rock	TV1H	Queensland,Australia	19.2614S	146.7954E	65	From 2009-01-01
Townsville Soft Rock	TV2S	Queensland,Australia	19.2904S	146.7890E	17	From 2012-08-02
Toyama	TOY	Toyama,Japan	36.7067N	137.2050E	10	
Toyohashi	TYH	Aichi,Japan	34.7626N	137.4701E	76	
Toyohira	JHT	Hiroshima,Japan	34.6625N	132.4210E	470	
Toyone	TYNN	Aichi,Japan	35.1329N	137.6696E	650	
Toyo'oka	TYK	Hyogo,Japan	35.5333N	134.8250E	4	
Toyota	JTY	Yamaguchi,Japan	34.2627N	131.0645E	120	
Trabuc cave	TRBF	Languedoc-Rousillon,France	44.1054N	3.9587E	-142	From 2010-12-06
Trabzon	KTUT	Turkey	40.9870N	39.7667E	171	From 2006-08-17
Trabzon	TBZ	Turkey	40.9944N	39.7761E	57	From 1976-07-10 to 1999-08-25
Trabzon	MACK	Turkey	40.9432N	39.7686E	611	From 2005-08-06
Tracy	TY-	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tracy	TY-MN	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tradedollar Lake	TDL	Washington,U.S.A.	46.3508N	122.2160W	1400	
Trail	C33A	Minnesota,U.S.A.	47.7586N	95.7725W	388	From 2010-08-26 to 2012-09-11
Trail	TRH	Hawaii,U.S.A.	19.4152N	155.5490W	3207	
Trail Creek	YTC	Wyoming,U.S.A.	44.2965N	110.2320W	2360	
Trail Mountain	TMUT	Utah,U.S.A.	39.2965N	111.2082W	2733	
Tram Tau	TTVN	Vietnam	21.4720N	104.3570E	50	From 2003-01-01
Trang	TRTT	Thailand	7.8362N	99.6912E	71	
Tranquillity	TQTN	Tennessee,U.S.A.	35.5160N	84.7258W	260	
Tranquitos	TSA	Salta,Argentina	22.3889S	63.7753W	425	
Trapeza	TRAZ	Greece	38.1685N	22.2121E	668	From 2010-09-27
Trapper Creek	TRAP	Alaska,U.S.A.	62.3350N	150.2440W	127	
Trask Mountain	TKO	Oregon,U.S.A.	45.3713N	123.4540W	1024	From 1991-08-20
Traveller	TRWZ	North Island,New Zealand	41.3980S	175.6879E	379	From 2005-06-22
Traversella	TRAV	Italy	45.5127N	7.7470E	990	From 1996-01-01
Travnik	TRA	Bosnia and Herzegovina	44.2167N	17.6833E		
Trebinje	TREB	Bosnia and Herzegovina	42.7170N	18.3500E	300	From 2004-06-29
Tree Lodge	TREE	Tanzania,United Republic of Tanzania	3.6698S	35.7467E	964	
Tregnago	TREG	Italy	45.5230N	11.1606E	342	From 2011-09-07
Treia	TRE1	Italy	43.3112N	13.3128E	330	From 2011-03-29
Trelew	TRWA	Chubut,Argentina	43.2652S	65.3773W	0	
Tremoli - CS	T0724	Italy	39.8488N	15.8765E	356	From 2012-10-27
Tremp	CTRE	Spain	42.3242N	0.7736E	1318	From 2006-07-01
Trente	TRE	Italy	39.2833N	16.3167E	534	
Tres Cuevas	TTX	Texas,U.S.A.	29.3164N	103.7180W	1006	
Tres Palos	PALV	Venezuela	10.4489N	71.6299W	1	
Tres Piedras	TD-	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Piedras	TD-NM	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Rios	TRRB	Rio de Janeiro,Brazil	22.1541S	43.1955W	222	
Trest	TREC	Czech Republic	49.2948N	15.4871E	559	From 2005-07-12
Tretes	TRT	Jawa,Indonesia	7.7040S	112.6350E		
Trevaresse	TREF	Provence-Cote d'Azur,France	43.6242N	5.3838E	460	
Trevi	TREV	Italy	42.8768N	12.7444E	370	From 2011-10-01
Treviso	TRV	Italy	45.6667N	12.1833E	14	
Trewern Hill	HTR	Wales,United Kingdom	52.0790N	3.2697W	329	From 1982-01-01
Trialeti	TRLG	Georgia,Georgia	41.5392N	44.1018E	1600	From 2012-08-18
Triangle-X Ranch	TRXW	Wyoming,U.S.A.	43.7493N	110.5634W	2256	From 1986-01-01
Tribune	R28A	Kansas,U.S.A.	38.3423N	101.8106W	1108	From 2009-04-12 to 2011-03-18
Tricarico	BTRC	Italy	40.6180N	16.1414E	799	From 2010-03-19
Trident Resrch Ctr	TRSC	South Carolina,U.S.A.	32.8718N	80.0336W	7	
Triemli, ZR	EWZT0	Switzerland	47.3670N	8.4964E	224	From 2009-10-10
Triesenberg, Werkhof, FL	STRW	Switzerland	47.1165N	9.5503E	1030	From 2014-10-15
Trieste	TTE	Italy	45.6460N	13.7620E	3	From 1989-01-01
Trieste	TRI	Italy	45.7089N	13.7642E	161	From 1963-07-29
Trieste (CM)	TRS	Italy	45.6428N	13.7539E	8	
Trifonti	TRIF	Italy	43.1148N	10.9026E	596	From 2010-05-17
Trigal station	BMAS	Ecuador	1.5028S	78.4793W	2953	From 2007-03-08
Trigance	TRIGF	Provence-Cote d'Azur,France	43.7472N	6.4075E	1050	From 2012-03-31
Trig B	TBC	South Island,New Zealand	45.1447S	169.3304E	619	From 1986-12-09 to 1996-05-01
Trig L	TLC	South Island,New Zealand	45.1897S	169.0714E	1393	From 1989-06-29 to 1996-04-27
Trims Highway	THY	Alaska,U.S.A.	63.4167N	145.7520W	732	From 1986-01-01
Trindle Farm, Earlham	M37A	Iowa,U.S.A.	41.4028N	94.0575W	325	From 2010-10-28 to 2012-08-29
Trinidad	T25A	Colorado,U.S.A.	37.1388N	104.4108W	2017	From 2008-05-25
Trinidad (USA)	TJC	Colorado,U.S.A.	37.2169N	104.6910W	2103	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Trinidad (USA)	TDC	Colorado,U.S.A.	37.2536N	104.3350W	1750	From 1970-01-01 to 1972-11-30
Trinidad (W)	TRN	Trinidad and Tobago	10.6480N	61.4030W	24	From 1959-08-06
Trinity Center, CA	N02D	Oregon,U.S.A.	40.9740N	122.7050W	937	From 2009-11-05
Trinity Mountain	TYI	Idaho,U.S.A.	43.6000N	115.4520W	2613	
Trinity Point	TPOR	Oregon,U.S.A.	45.0244N	117.0860W	2000	From 1991-09-01
Triple J Farms, Joplin	A17A	Montana,U.S.A.	48.9448N	110.6994W	973	From 2007-11-17 to 2009-08-16
Tripoli	TRIP	Italy	37.5278N	22.2708E	820	From 2010-06-27
Tripoli	LTRP	Libya	32.8447N	13.1633E	83	
Tripolis, Arkadia	TRP1	Greece	37.5112N	22.3630E	704	From 2010-11-01
Tripped Ranch	TPRS	California,U.S.A.	34.0888N	118.5870W	-1	From 1985-11-01
Tristan da Cunha	TRIS	Tristan da Cunha	37.0682S	12.3152W	55	
TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	I49DE	Tristan da Cunha	37.0900S	12.3319W	81	From 2005-03-24
TRISTAN DA CUNHA T-PHASE SITE N1	H09N1	Tristan da Cunha	37.0681S	12.3152W	0	From 2004-03-17
TRISTAN DA CUNHA T-PHASE SITE W1	H09W1	Tristan da Cunha	37.0972S	12.3350W	0	From 2004-03-17
Tristan de Cunha	TDC1	Tristan da Cunha	37.0716S	12.3096W		
Trivandrum	TRVM	Kerala,India	8.5080N	76.9585E	30	
Trivandrum	TRD	Kerala,India	8.5080N	76.9585E	64	From 1966-08-15
Trivento	TRIV	Italy	41.7666N	14.5502E	598	From 2005-03-17
Trizonia	TRIZ	Greece	38.3655N	22.0727E	57	
Trois Ilets	TRMF	Martinique,France	14.5363N	61.0512W	78	
Trois Rivieres	TVG	Guadeloupe,France	15.9797N	61.6478W	185	
Trois Rivieres	FBG	Guadeloupe,France	15.9797N	61.6478W	185	
Troitsky	TRCK	Orenburgskaya Oblast',Russia	51.6435N	54.2593E	69	From 2011-12-20
Trojmez˜›	TRCW	Czech Republic	50.3032N	12.1448E	566	From 1991-01-01
Troll, Antartica	TROLL	Dronning Maud Land	72.0082S	2.5300E	1399	From 2012-02-05
Tromm	TOD	Hessen,Germany	49.6059N	8.8038E	568	From 1974-10-01
Tromso	TRO	Norway	69.6325N	18.9281E	15	From 1993-08-06
Trondheim	TBLU	Norway	63.2518N	10.2607E	232	From 2008-12-05
Trondheim	TRON	Norway	63.4545N	10.4363E	34	
Tropico Hills	TPO	California,U.S.A.	34.8788N	118.2280W	799	
Trosnyk	TRSU	Ukraine	48.0950N	22.9570E	120	From 1998-01-01
Trotters	TS-ND	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trotters	TS-	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trough	VTHM	Oregon,U.S.A.	45.1812N	120.5610W	773	
Trough Springs	GTSM	California,U.S.A.	39.3117N	122.6030W	1103	
Trout Butte	TCBU	Oregon,U.S.A.	44.2408N	122.6644W	1646	
Trout Creek	C12A	Montana,U.S.A.	47.7039N	115.4811W	782	From 2006-09-22 to 2006-12-03
Trout Creek Butte	VTCM	Oregon,U.S.A.	44.9137N	121.6660W	1690	
Trout Gulch Road	JTGM	California,U.S.A.	37.0285N	121.8777W	204	From 1975-10-02
Trout Lake	TT-	Michigan,U.S.A.	46.2097N	85.1678W	259	
Trout Lake	TT-MI	Michigan,U.S.A.	46.2097N	85.1678W	259	
Troy	H64A	Maine,U.S.A.	44.6412N	69.2203W	158	From 2013-09-18
Troy	TRY	New York,U.S.A.	42.7311N	73.6669W	131	From 1960-01-01
Troy Canyon	TRCR	Nevada,U.S.A.	38.3497N	115.5852W	1815	
Troy Canyon, Currant	R11A	Nevada,U.S.A.	38.3489N	115.5854W	1756	From 2007-02-09
Trozza	TROT	Tunisia	35.5617N	9.6002E	900	
Trudelj	TRUS	Serbia	44.2235N	20.4063E	340	From 2006-10-22
Trude Siding	YPTS	Idaho,U.S.A.	44.4623N	111.3525W	1926	
Truellikon	TRULL	Switzerland	47.6487N	8.6816E	525	From 2003-08-29
Trujillo	TUV	Venezuela	9.3510N	70.4510W	0	
Trujillo	TRP	Peru	8.0780S	78.8610W		
Truk	TRU	Caroline Islands,Micronesia	7.4458N	151.8560E	107	From 1949-03-01 to 1999-08-25
Truth or Consequences (T or C)	TC-NM	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Truxton	Q41A	Missouri,U.S.A.	38.9539N	91.2317W	191	From 2011-08-05 to 2013-04-13
Tryon Peak	TRYN	North Carolina,U.S.A.	35.2460N	82.2670W	915	From 1983-03-22
Tsaile	TSL	Arizona,U.S.A.	36.3722N	109.2440W	2012	From 1975-05-22 to 1999-08-25
Tsaishi	ZSH	Georgia,Georgia	42.4280N	41.8061E	45	From 1984-01-01
Tsauling	CHN5	Taiwan region	23.5970N	120.6780E	840	
Tsaushan	CHN4	Taiwan region	23.3510N	120.5930E	205	
Tschierv	STSP	Switzerland	46.6266N	10.3332E	1699	From 2006-08-16
Tsebel'da	TSE	Georgia,Georgia	43.0167N	41.2833E	430	
Tsetserleg	TTS	Mongolia	47.4800N	101.4400E	1760	
Tsey	ZEI	Severo-Osetinskaya,Russia	42.7881N	43.9014E	1926	
Tsim Bei Tsui	THK	Hong Kong,China	22.4863N	114.0117E	4	
Tsina	TSIM	Alaska,U.S.A.	61.2262N	145.3370W	1113	
Tsipikan	ZIP	Buryatiya,Russia	54.9000N	113.3000E		
Tsirk	CIRR	Kamchatskaya Oblast',Russia	56.1153N	160.7481E	1420	
Tsit'eli Tsqaro	ZTZ	Georgia,Georgia	41.4600N	46.1100E	800	
TS Leibis	LEIB1	Thuringen,Germany	50.5761N	11.1978E	480	From 2014-03-19
Tsodilo	TSD1	Botswana	18.7070S	21.7130E	1045	From 2001-01-01 to 2100-12-31
Tsokhamarg	TSOZ	Armenia	40.9500N	43.8670E	1970	
Tsoukalades, Lefkada island	TSLK	Greece	38.8249N	20.6554E	212	From 2012-10-09
Tsu	TSU1	Mie,Japan	34.7300N	136.5233E	18	
Tsu	TSU	Mie,Japan	34.7017N	136.5180E	4	
Tsu 2	TSUJ	Mie,Japan	34.7097N	136.4193E	30	From 1988-03-19
Tsukechi	TKC	Gifu,Japan	35.6534N	137.4662E	690	
Tsukuba	TSK	Ibaraki,Japan	36.2108N	140.1100E	280	From 1966-04-01
Tsumeb	TSUM	Namibia	19.2022S	17.5838E	1240	From 1994-09-01
TSUMEB INFRASONIC ARRAY REFERENCE POINT	I35NA	Namibia	19.1913S	17.5768E	1253	From 2003-03-19
Tsuna	TNAK	Hyogo,Japan	34.4180N	134.8849E	90	
Tsuna	JAJ2	Hyogo,Japan	34.4192N	134.8850E	85	
Tsuno	JTSN	Miyazaki,Japan	32.2455N	131.5045E	130	From 1997-03-01
Tsuruga	TSR	Fukui,Japan	35.6500N	136.0650E	2	
Tsuruga	TSRJ	Fukui,Japan	35.5367N	135.9830E	47	From 1978-01-01
Tsurugi yama	TSS	Tokushima,Japan	34.0417N	134.1700E	57	
Tsushima	JTU	Nagasaki,Japan	34.5243N	129.3987E	70	
Tsushimamitsushima	JTSM	Nagasaki,Japan	34.3386N	129.3849E	28	From 2013-07-01
Tsuyama	TUY	Miyagi,Japan	38.3900N	141.2200E		
Ttatey	JTT	Toyama,Japan	36.6050N	137.3333E	236	
Tuai	TUA	North Island,New Zealand	38.8062S	177.1507E	274	From 1932-09-01 to 1988-03-09
Tual	TLE	Irian Jaya,Indonesia	5.6373S	132.7373E	113	
Tuamarina	TUWZ	South Island,New Zealand	41.4294S	173.9429E	132	From 2004-05-05
Tuan Giao	TGV	Vietnam	21.5898N	103.4182E	0	From 1996-01-01
Tuapeka	TUZ	South Island,New Zealand	45.9540S	169.6312E	110	From 1991-04-04
Tuapse	TPSR	Russia	44.0780N	39.0960E	0	
Tuba City	U16A	Arizona,U.S.A.	36.1428N	111.1297W	1544	From 2007-05-18 to 2009-02-08
Tubar˜£o-SC	TER01	Parana,Brazil	28.5318S	49.1291W	315	From 2011-01-30
Tubingen	TUB	Baden-Wurttemberg,Germany	48.5269N	9.0611E	330	From 1933-01-01 to 1971-12-31
Tubuai	TBI	Tubuai,French Polynesia	23.3489S	149.4608W	20	From 1976-01-01
Tuckaleechee Caverns	TKL	Tennessee,U.S.A.	35.6580N	83.7740W	350	From 1978-07-30
Tucker Farm, Meadow	Z28A	Texas,U.S.A.	33.2884N	102.3866W	1045	From 2009-01-27 to 2010-12-04
Tucson	TUC	Arizona,U.S.A.	32.3098N	110.7847W	910	From 1962-12-17
Tucson Desert	TDM	Arizona,U.S.A.	32.2442N	111.1690W	866	From 1978-12-22
Tucson Observatory	TUO	Arizona,U.S.A.	32.2467N	110.8350W	770	From 1909-01-01
Tucson--Telemeter	TUT	Arizona,U.S.A.	32.3350N	110.7230W	1439	From 1958-01-05 to 1962-01-31
Tucuman	TCM	Tucuman,Argentina	26.8000S	65.2000W	475	
Tucurui	TUCB	Para,Brazil	3.7341S	49.8255W	61	
Tuebingen-Lennartz	TUBL	Baden-Wurttemberg,Germany	48.5227N	9.0829E	215	From 2002-11-01
Tuguegarao	TLP	Luzon,Philippines	17.6523N	121.7600E		
Tugumak	WTUG	Alaska,U.S.A.	54.8477N	164.3858W	457	
Tuhingamata	TUTZ	North Island,New Zealand	38.7099S	175.9914E	614	From 1986-01-01 to 1990-07-02
Tuis	TUI	Costa Rica	9.8417N	83.5573W	1300	From 1984-03-17
Tukino	TUVZ	North Island,New Zealand	39.2677S	175.6542E	1446	From 1992-09-17
Tuktoyaktuk	TKT	Northwest Territories,Canada	69.4325N	132.9960W	3	From 1982-07-28 to 1984-07-11
Tuktoyaktuk	TUK	Northwest Territories,Canada	69.4400N	133.0280W	10	From 1980-12-02 to 1982-07-20
Tuku	WTK	Taiwan region	23.6877N	120.3886E	42	From 2014-07-28
Tulancingo	TLX	Hidalgo,Mexico	20.0375N	98.4361W	2250	
Tulbagh	TUH	Cape Province,South Africa	33.2967S	19.1500E	190	
Tulc˜¡n	ATUL	Ecuador	0.7723N	77.7230W	2303	From 2010-12-10
Tulc˜¡n-Chalpatan Las Cuevas	TULM	Ecuador	0.7161N	77.7869W	3677	From 2012-08-09
Tulia	X29A	Texas,U.S.A.	34.4452N	101.7008W	1039	From 2009-01-23 to 2010-11-15
Tulsa	TSO	Oklahoma,U.S.A.	36.1482N	95.8979W	210	From 1973-02-01 to 1974-04-29
Tulsa	TUL	Oklahoma,U.S.A.	35.9106N	95.7925W	261	From 1961-07-01
Tu Ly	TLV	Vietnam	20.8790N	105.2600E	80	From 2002-05-01
Tumaco	TUMC	Colombia	1.8237N	78.7267W	50	
Tumaco	CTUM2	Colombia	1.8230N	78.7260W	89	
Tumaco, Batallon	CTUMA	Colombia	1.8240N	78.7450W	14	From 1997-02-17
Tuman	GRPR	Sakhalinskaya Oblast',Russia	43.9927N	145.7721E	140	From 2011-09-20
Tumbaco	QUT	Ecuador	0.2022S	78.3922W	2345	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tumlingtar	TUML	Nepal	27.3208N	87.1950E	360	From 2001-10-10 to 2002-11-08
Tumrok	TUMR	Kamchatskaya Oblast',Russia	55.2830N	160.1460E	1213	From 2003-07-12
Tumrok D	TUMD	Kamchatskaya Oblast',Russia	55.2031N	160.3990E	486	From 2011-03-18
Tumut Pond Dam	TPND	New South Wales,Australia	35.9630S	148.3900E	1205	
Tumwater	TUM	Washington,U.S.A.	47.0150N	122.9080W	20	From 1958-05-01
Tunca	BO01	O'Higgins	34.3918S	71.0849W	262	From 2014-01-20
Tunceli	TNC	Turkey	39.1083N	39.5533E	1003	From 1973-09-14
Tunceli-Merkez	TNCL	Turkey	39.1146N	39.5422E	1192	From 2010-11-27
Tunduma	TDMT	Tanzania,United Republic of Tanzania	9.2962S	32.7712E	1590	From 1992-06-17
Tunduma	TUND	Tanzania,United Republic of Tanzania	9.2988S	32.7625E	1699	
Tunel del Cadi	CADI	Spain	42.3402N	1.8412E	1207	
Tungkwan	TUWA	Gansu,China	34.6167N	110.2833E	0	From 1955-01-01
Tungshih	TWQ	Taiwan region	24.2747N	120.8360E	443	From 1972-09-08
Tungsten Hills	MTUM	California,U.S.A.	37.3533N	118.5640W	1810	From 1984-12-15
Tungur	TUNR	Altayskiy Kray,Russia	50.1600N	86.3300E	850	
Tungurahua	TUNG	Ecuador	1.4182S	78.4455W	2774	From 1989-06-01 to 1992-12-30
Tungurahua volcano	BILB	Ecuador	1.4385S	78.4988W	2315	From 2006-08-18
Tungurahua Volcano	BPAT	Ecuador	1.5033S	78.4335W	3725	From 2007-08-01
Tungurahua Volcano	BRUN	Ecuador	1.4210S	78.4117W	2700	From 2007-07-01
Tungurcha	TUG	Amurskaya Oblast',Russia	57.2900N	121.5000E	345	
Tungusskii	AY3S	Sakha,Russia	64.2000N	146.3800E	1080	From 1971-06-01 to 1971-12-31
T'ung-yeun Feng	TYF	Shaanxi,China	34.5000N	109.0670E	365	
Tunis	TUN	Tunisia	36.8000N	10.1333E		
Tunkhannock	TU-PA	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunkhannock	TU-	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunnel	PIORA	Switzerland	46.5373N	8.7833E	817	From 2007-12-15
Tuntungan	TSI	Sumatera,Indonesia	3.5008N	98.5645E	0	From 1974-10-01
Tupik	TUP	Chitinskaya Oblast',Russia	54.4250N	119.9539E	650	
Tupiza	TPZ	Bolivia	21.4650S	65.7163W	2960	
Tura	TURI	Meghalaya,India	25.5500N	90.3333E	305	
TURA	TURA	Meghalaya,India	25.5168N	90.2242E	406	From 1975-06-01
Turaif	WELAS	Saudi Arabia	31.7810N	38.9090E	931	
Turaif	TRAF	Saudi Arabia	31.2570N	39.3560E	819	
Turbat	TUR	Kazakhstan	41.7333N	69.6500E		
Turbat	TURB	Pakistan	25.9800N	63.0100E	137	From 2007-11-10
Turgen	TGN	Kazakhstan	43.3070N	77.6380E	1410	From 1976-10-18
Turhal	TRHT	Turkey	40.3497N	36.1778E	1190	From 1992-01-01 to 1998-04-01
Turiamo	TURV	Venezuela	10.4500N	67.8400W	58	From 2002-11-14
Turikan	TNKS	Buryatiya,Russia	56.3870N	113.1160E	657	From 1981-08-12 to 1993-10-24
Turkey Creek	TRK	South Carolina,U.S.A.	33.1222N	79.7778W	10	From 1980-06-25
Turkoglu	TRKT	Turkey	37.3860N	36.8580E	515	From 1998-03-01
Turnbull Canyon	TCC	California,U.S.A.	33.9945N	118.0130W	299	From 1976-11-01 to 1999-08-25
Turner	TRM	Maine,U.S.A.	44.2597N	70.2551W	113	From 1977-01-01 to 1999-01-31
Turner Farm, Oroville	A08A	Washington,U.S.A.	48.9534N	119.2725W	1089	From 2006-09-14 to 2008-05-17
Turnu Rosu	TNR	Romania	45.6520N	24.2730E	519	From 1989-07-01
Turnu Rosu	TUU	Romania	45.6525N	24.2731E	519	From 1988-06-15
Turoa	TRVZ	North Island,New Zealand	39.2988S	175.5479E	2062	From 2005-03-16
Turquoise Mountain, Baker	TUQ	California,U.S.A.	35.4358N	115.9239W	1350	From 2002-05-02
Turtle Beach	SKTB	St Kitts,Saint Kitts and Nevis	17.2087N	62.6171W	46	From 2003-02-10
Turtle Mountain	TMDA	Alberta,Canada	49.5811N	114.3992W	1541	
Turtle Mountains	TTM	California,U.S.A.	34.3353N	114.8280W	1098	From 1974-04-01
Turunc	TURN	Turkey	36.8729N	28.6029E	28	From 2007-05-21
Turuntaevo	TRTB	Buryatiya,Russia	52.2300N	107.6300E	600	From 1999-08-01
Turuntaevo, Baikal	TRTS	Buryatiya,Russia	52.2230N	107.6490E	600	From 1999-08-01
Tuscania	TU1	Italy	42.4186N	11.8744E	166	
Tuscan Springs	LTCM	California,U.S.A.	40.2083N	122.1240W	257	
Tuscarora	TUS	New York,U.S.A.	43.1800N	78.9592W	165	From 1971-06-01 to 1974-03-31
Tustin Road	HTUM	California,U.S.A.	36.8272N	121.6429W	94	
Tutak	TUTA	Turkey	39.4019N	42.8137E	2154	From 2006-09-13
Tuttle Creek Reservoir	TCK	Kansas,U.S.A.	39.3848N	96.7225W	376	From 1977-08-15 to 2001-07-15
Tuxedo	TXNY	New York,U.S.A.	41.1775N	74.1887W	143	From 1990-01-01
Tuxtla Gutierrez	TGBT	Chiapas,Mexico	16.7768N	93.0895W	0	From 2009-02-16
Tuyen-Quang	TQV	Vietnam	21.8283N	105.2080E	35	From 1975-07-27
Tuzandepetl	TUIG	Campeche,Mexico	18.0339N	94.4227W	100	
Tuzla-Istanbul	TUZL	Turkey	40.8131N	29.2660E	13	From 2011-01-01
TV Hill, Hawthorne	TVH1	Nevada,U.S.A.	38.4574N	118.7658W	3136	
TV Kerman	TVBK	Iran	29.9860N	56.7612E	2886	From 2010-05-05
Tweed	H55A	Ontario,Canada	44.5505N	77.1829W	182	From 2012-11-16
Twentynine Palms	TN-CL	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
Twentynine Palms	TPC	California,U.S.A.	34.1058N	116.0490W	720	From 1972-05-05
Twin Buttes	YPTB	Wyoming,U.S.A.	44.5252N	110.8460W	2219	
Twin Lakes	TWL	California,U.S.A.	34.2783N	118.5940W	390	From 1971-11-01
Twin Peaks	TWN	California,U.S.A.	36.0527N	121.5070W	148	From 1973-12-17 to 1975-09-30
Twin Springs	TSV	Nevada,U.S.A.	38.2017N	116.1750W	1585	From 1965-01-01 to 1972-12-31
Twissleman Ranch	PTRM	California,U.S.A.	35.6547N	120.2110W	643	
Twist	TWAR	Arkansas,U.S.A.	35.3614N	90.5597W	61	
Two Rivers School, Snoqualmie Valley	SVTR	Washington,U.S.A.	47.4958N	121.7816W	146	From 2002-09-20
Tymovskoe	TYV	Sakhalinskaya Oblast',Russia	50.8630N	142.6560E	160	From 1969-01-01
Tynda	TNDR	Sakha,Russia	55.1470N	124.7210E	534	From 2001-06-20
Tyneside	TYNO	Ontario,Canada	43.0950N	79.8702W	205	From 1991-07-18
Tyrgan	TRG	Irkutskaya Oblast',Russia	52.7600N	106.3481E	718	
Tyson Valley	TYS	Missouri,U.S.A.	38.5268N	90.5660W	195	From 1974-02-19
Tytingvag	N2B1	Norway	61.9000N	5.0960E	75	
Tytingvag	N2B7	Norway	61.8990N	5.0940E	15	
Tyubelyakh	UL1S	Sakha,Russia	65.3720N	143.1500E	380	From 1988-01-01 to 1988-12-31
UABC, Campus Mexicali	UABX	Baja California,Mexico	32.6316N	115.4447W	44	
Uakit	UKT	Buryatiya,Russia	55.4889N	113.6269E	1140	
U Bar Ranch, Lordsburg	120A	New Mexico,U.S.A.	32.5466N	108.6330W	1528	From 2008-02-02 to 2009-12-10
Ubatuba-SP	SLP01	Sao Paulo,Brazil	23.3243S	45.1559W	1117	From 2011-01-30
Ubbergen	NE37	Netherlands	51.8351N	5.9050E	30	
Ubonrachathani	UBT	Thailand	15.2456N	105.0183E		From 1993-12-01
Uccle	UCC	Belgium	50.7983N	4.3594E	105	
Uchkent	UKTR	Dagestan,Russia	43.1139N	47.0806E	120	
Uchtor	UCH	Kyrgyzstan	42.2275N	74.5134E	3850	
Ucluelet	B012	British Columbia,Canada	48.9246N	125.5420W	13	From 2005-09-20
U. Connecticut	UCCT	Connecticut,U.S.A.	41.7943N	72.2255W	223	
UCPARC, Winfield	Y47A	Alabama,U.S.A.	33.9025N	87.8494W	160	From 2011-04-13 to 2013-02-03
Ucria	MUCR	Sicily,Italy	38.0429N	14.8738E	1036	From 2011-02-03
Udbina	UDBI	Croatia	44.5279N	15.7644E	807	From 2009-06-19
Uddeholm	UDD	Sweden	60.0900N	13.6067E	240	
Udhampur	UDP	Jammu and Kashmir,India	32.9017N	75.0800E		
Udine	UDN	Italy	46.0650N	13.2367E	100	From 1976-06-01 to 1978-12-31
Udine OGS	UDI	Italy	46.0650N	13.2367E	112	From 1977-06-24 to 1990-05-05
Ueberruh	UBR	Baden-Wurttemberg,Germany	47.6807N	10.1080E	890	From 1994-01-01
Uelen temporary site, Chukotka	YLNS	The Chukotsky Autonomous Okrug,Russia	66.1590N	169.8056W	28	From 2006-07-17 to 2006-07-26
Ufa	UFA	Bashkortostan,Russia	54.8000N	56.0000E	0	
Ufford	KUF	England,United Kingdom	52.6175N	0.3894W	35	From 1988-01-01
Ugakei	UGK	Mie,Japan	35.0967N	136.4729E	290	
Ugak Island	UGI	Alaska,U.S.A.	57.3945N	152.2820W	213	
Ugashik Lake	USL	Alaska,U.S.A.	57.3983N	157.0300W	500	
Ugashik Lake	UKL	Alaska,U.S.A.	57.4017N	156.8550W	410	From 1975-10-01 to 1999-08-25
Uglegorsk	UGL	Sakhalinskaya Oblast',Russia	49.0780N	142.0660E	40	
Uglovaya	UGLR	Kamchatskaya Oblast',Russia	53.2089N	158.8239E	1140	
Ugurusu	URS	Kochi,Japan	33.5376N	133.4890E	25	From 1957-06-01
UHE Balbina	BAUB	Brazil	1.9153S	59.4141W	143	From 1985-08-01
UHE Batalha	BAT2	Goias,Brazil	17.3580S	47.4720W	848	From 2012-08-01
UHE Belo Monte	ATM1	Para,Brazil	3.2885S	52.2249W	183	From 2012-02-15
UHE Belo Monte	BMO2	Para,Brazil	3.3474S	51.9887W	117	From 2012-02-15
UHE Belo Monte	BMO1	Para,Brazil	3.1546S	51.7558W	37	From 2012-02-15
UHE Cana Brava	CAN1	Goias,Brazil	13.4175S	48.0852W	380	From 2013-10-28
UHE Estreito - MA/TO	PAL2	Maranhao,Brazil	6.7478S	47.3273W	248	From 2010-10-20
UHE Funil - MG	FUN1	Minas Gerais,Brazil	21.1121S	44.9318W	922	From 2010-12-21
UHE Lajeado	LAJE	Tocantins,Brazil	9.9816S	48.3185W	294	From 2011-02-02
UHE Simplicio	SIM1	Rio de Janeiro,Brazil	22.0090S	42.9854W	392	From 2012-08-28
UHE Simplicio	SIM2	Rio de Janeiro,Brazil	21.9159S	42.8069W	345	From 2012-08-25
UHE Tucurui	TUC3	Para,Brazil	4.2829S	49.9166W	152	From 2013-11-08
UHE Tucurui	TUC4	Para,Brazil	4.2514S	49.5368W	114	From 2011-03-23
Uinta Basin Array	UBO	Utah,U.S.A.	40.3217N	109.5690W	1596	From 1970-04-01 to 1973-09-30
Uiryeong-eup	EURB	Republic of Korea	35.3227N	128.2880E	-42	From 2012-11-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Uitikon, ZR	EWZT3	Switzerland	47.3758N	8.4551E	646	From 2009-08-27
Ujela	LUJL	Libya	29.1192N	21.3027E	95	
Uji	UJI	Kyoto,Japan	34.8666N	135.8269E	290	
Ujung Watu	UWJI	Jawa,Indonesia	6.4191S	110.9474E	62	From 2005-01-01
Ukalunda	UKAQ	Queensland,Australia	20.8976S	147.1274E	250	From 1984-03-28
Ukamas	ARMS	Namibia	28.0400S	19.7400E	828	
Ukiah	UKI	California,U.S.A.	39.1372N	123.2110W	199	From 1931-09-01
Ukiah	UK-	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UK-OR	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukrul	UKHR	Manipur,India	25.0450N	94.2123E	40	From 2012-01-01
Ulaanbaatar	ULN	Mongolia	47.8652N	107.0528E	1615	
Ulaangom	ULG	Mongolia	49.9600N	92.0600E	980	
Ulagan, Altay Republic, Russia	ULGR	Altayskiy Kray,Russia	50.6234N	87.9607E	1239	From 2002-07-28
Ulahol	ULHL	Kyrgyzstan	42.2456N	76.2417E	2040	
Ulamona	ULO	New Britain,Papua New Guinea	5.0590S	151.3030E	980	From 1981-12-09
Ulamona	ULA	New Britain,Papua New Guinea	5.0064S	151.2560E	10	
Ulan Bator	OBM	Mongolia	47.9200N	106.9700E	1330	
Ulan-Yde	UUDB	Buryatiya,Russia	51.8670N	107.6630E	600	From 1996-02-01
Ulba	ULBA	Ecuador	1.4493S	78.4077W	2960	
Ulba Tungurahua	BBIL	Ecuador	1.4500S	78.4875W	2690	From 2008-07-01
Ulba Tungurahua	BULB	Ecuador	1.4372S	78.4097W	2989	From 2008-07-17
Ulcinj	ULC	Montenegro	41.9636N	19.2445E	504	From 1983-12-25
Uljin	KSULJ	Republic of Korea	36.7021N	129.4084E	77	From 2000-12-18
ULJIN	UJN	Republic of Korea	36.9918N	129.4129E	92	From 2007-11-29
Ulkokalla	OBF8	Finland	64.3310N	23.4460E	10	From 2013-08-01
Ulladulla High School, Ulladulla	AUUHS	New South Wales,Australia	35.3600S	150.4700E	44	From 2013-09-12
Ulleungdo	KSULL	Republic of Korea	37.4736N	130.9008E	218	From 1998-04-28
Ulleungdo bore hole	ULLB	Republic of Korea	37.5404N	130.9170E	0	From 2006-12-31
ULLUNGDO	UL1	Republic of Korea	37.3193N	130.8778E	-2188	From 2006-12-30
Ulsan	KSULS	Republic of Korea	35.5543N	129.3203E	34	From 2000-03-07
Ulsan	KSUSN	Republic of Korea	35.7024N	129.1232E	238	From 2007-12-12
ULSEONG	KSEUS	Republic of Korea	36.3519N	128.6870E	81	From 2000-11-21
Uludag	ULDT	Turkey	40.1422N	29.1361E	1734	From 1996-04-01
Ulysses	S29A	Kansas,U.S.A.	37.6199N	101.1180W	931	From 2009-04-11 to 2011-03-14
Ulyunkhan	YLYR	Buryatiya,Russia	54.8761N	111.1617E	560	
Umaji	UMJ	Kochi,Japan	33.5462N	134.0470E	320	
Umak	AD2	Alaska,U.S.A.	51.9033N	176.0180W	381	From 1974-01-01 to 1992-02-01
Umberatana	UMB	South Australia,Australia	30.2400S	139.1281E	610	From 1967-06-01
Umea	UME	Sweden	63.8150N	20.2367E	16	From 1962-01-25 to 2004-12-23
Umeaa	UMAU	Sweden	63.8829N	20.6779E	20	From 2002-01-13
Umejima	UMJE	Yamanashi,Japan	35.1928N	138.4979E	250	
Umerkot	UMKT	Pakistan	25.3300N	69.7100E	29	From 2006-03-25
UM Field Station, Abbeville	X45A	Mississippi,U.S.A.	34.4241N	89.3931W	142	From 2011-05-16 to 2013-02-07
Um Kedad	QYSM	Saudi Arabia	27.8540N	46.8750E	303	
Umluj	SUMJS	Saudi Arabia	24.7572N	37.3997E	198	
Umm Al-Quwin	UMQ	Umm Al-Quwain,United Arab Emirates	25.5252N	55.6623E	28	
Umm Al-Rimmam	UMR	Kuwait	29.5519N	47.7158E	82	
Umm Al-Ruwaisat	RST	Kuwait	29.5003N	46.9972E	218	
Umm Lajj	UMJS	Saudi Arabia	25.2323N	37.3109E	250	
Umm Shaghir	ASHG	Egypt	23.2655N	31.6576E	340	
Umpang Tak	UMPA	Thailand	16.2057N	98.8603E	403	
Umpqua	J02A	Oregon,U.S.A.	43.3654N	123.5747W	136	From 2005-11-16 to 2007-11-29
Umpqua Community College DOGAMI SMO	UMPQ	Oregon,U.S.A.	43.2909N	123.3319W	162	From 2005-04-27
Umpqua National Forest, Toketee	J04A	Oregon,U.S.A.	43.2406N	122.1093W	1952	From 2006-10-31 to 2007-10-30
Umpqua National Forest, Toketee, OR	J04D	Oregon,U.S.A.	43.2405N	122.1093W	1948	From 2009-10-09
Umtata	UMT	Cape Province,South Africa	31.5833S	28.7550E	800	From 1988-08-01 to 1999-08-25
Unac-Piva	UPM	Montenegro	43.2031N	18.9051E	1770	From 2003-07-11
Unalakleet	UNL	Alaska,U.S.A.	63.8933N	160.6870W	91	
Unalaska	UNA	Alaska,U.S.A.	53.8733N	166.5330W		From 1954-04-06 to 1956-09-10
Unalaska Valley	UNV	Alaska,U.S.A.	53.8465N	166.5020W	67	
Unciti	IUNC	Spain	42.7559N	1.4989W	766	From 2005-07-22
Uncukul	UNCR	Dagestan,Russia	42.7139N	46.7944E	650	
Underwood Farm, Alliance	L26A	Nebraska,U.S.A.	42.0367N	103.0795W	1248	From 2008-11-24 to 2010-10-05
Undues	YUND	Spain	42.5768N	1.1331W	872	From 2010-05-01
Undu Point	UDU	Fiji	16.1521S	179.9880W	170	From 1981-11-01
Union	146A	Mississippi,U.S.A.	32.6368N	89.0573W	164	From 2011-03-23 to 2013-01-29
Union Grove	UGRT	Tennessee,U.S.A.	35.6109N	84.1170W	302	From 1983-11-05
Union Juarez	MUX	Chiapas,Mexico	15.0790N	92.0740W		
Union Valley	UYO	Oklahoma,U.S.A.	34.1667N	94.4588W	231	From 1989-04-15
Unionville	UVN	Nevada,U.S.A.	40.4423N	118.1580W	1926	From 1964-09-13 to 1969-12-31
Unionville	UVN1	Nevada,U.S.A.	40.4500N	118.1500W	1870	
Univ. Columbia	EPMB	British Columbia,Canada	51.0633N	118.5400W	2150	
Univ de Panama	UPD1	Panama	8.5487N	78.0135W	74	
Univ. de Panama@15	UPA	Panama	8.9810N	79.5338W	41	From 1983-08-01
Universidad Adolfo Ibaˆ–ez	MT03	Metropolitana	33.4937S	70.5102W	1086	From 2013-07-10
Universidad Complutense Madrid	UCM	Spain	40.3077N	3.2442W	600	From 2010-03-01
Universidad de Guanajuato	UGO	Jalisco,Mexico	21.0170N	101.2555W		
Universidad de la EARTH en Liberia	NY14	Costa Rica	10.6482N	85.5337W	72	
Universidad de los Andes	UAV	Venezuela	8.6100N	71.1450W	1600	From 1969-08-01
Universidad Nacional Autonoma de Honduras	UNAH	Honduras	14.0750N	87.1750W	1020	
Universidad Nacional Autonoma de Mexico	UNM	Mexico D.F.,Mexico	19.3290N	99.1780W	2257	From 1967-06-04
Universidad Technlogica Nacional Mendoza	UTNM	Mendoza,Argentina	32.8968S	68.8532W	771	From 2012-01-01
Universidad t"cnica Particular de Loja	LOJ1	Ecuador	3.9900S	78.3600W	1554	
Universita' Del Sannio	BENI	Italy	41.1298N	14.7716E	75	
University, Bengkulu	UBSI	Sumatera,Indonesia	3.7611S	102.2714E	28	
University Campus, Patras University	UPR	Greece	38.2836N	21.7864E	140	From 2006-04-14
University New Hampshire, Durham	DUNH	New Hampshire,U.S.A.	43.1370N	70.9350W	60	From 2011-05-04
University of Arizona	UOA	Arizona,U.S.A.	32.2331N	110.9530W	741	From 1972-04-01 to 1974-04-30
University of Arkansas, Little Rock	UALR	Arkansas,U.S.A.	34.7751N	92.3429W	138	
University of California, Santa Cruz	JUCM	California,U.S.A.	37.0012N	122.0485W	177	From 1975-01-29
University of California Stadium	CMSB	California,U.S.A.	37.8719N	122.2517W	-72	From 1995-01-01 to 2011-04-13
University of Cincinnati	UOCO	Ohio,U.S.A.	39.1400N	84.5220W	226	
University of Connecticut	UCT	Connecticut,U.S.A.	41.8317N	72.2506W	149	
University of Iquique	UNAP	Chile	20.2439S	70.1404W	0	From 2009-05-14
University of Johannesburg	UNJO	South Africa	26.2635S	27.9207E	1683	From 2010-01-01
University of Jordan, Amman	UNJ	Jordan	32.0158N	35.8708E	1050	
University of Michigan	AAMC	Michigan,U.S.A.	42.2780N	83.7360W	250	
University of New Brunswick	UNB	New Brunswick,Canada	45.9462N	66.6442W	64	From 1971-04-01
University of New Hampshire, Durham, NH	UNH	New Hampshire,U.S.A.	43.0926N	70.8650W	4	From 2013-11-26
University of Puget Sound	UPS	Washington,U.S.A.	47.2639N	122.4836W	113	
University of Richmond	URVA	Virginia,U.S.A.	37.5709N	77.5357W	49	
University of Southern California	USC	California,U.S.A.	34.0192N	118.2860W	17	From 1993-01-01
University of Southern Indiana	USIN	Indiana,U.S.A.	37.9651N	87.6660W	170	
University of Tennessee at Martin	UTMA	Tennessee,U.S.A.	36.2930N	88.9760W	108	From 1985-11-01
University of Tennessee at Martin	UTMT	Tennessee,U.S.A.	36.3423N	88.8642W	120	
University of Tennessee at Martin	UTM	Tennessee,U.S.A.	36.2900N	88.9410W	108	From 1982-08-12 to 1985-12-31
University of Toledo	UTLO	Ohio,U.S.A.	41.6590N	83.6180W	178	
University of Toledo	UTO	Ohio,U.S.A.	41.6619N	83.5743W	179	From 1977-12-20
University of Washington Friday Harbor	UWFH	Washington,U.S.A.	48.5459N	123.0132W	10	From 2001-08-02
University of Western Ontario	UWOO	Ontario,Canada	43.0110N	81.2724W	248	
University of Wisconsin at Milwaukee	UWM	Wisconsin,U.S.A.	43.0795N	87.8784W	204	
Unterbreizbach	UBBA	Hessen,Germany	50.8188N	10.0010E	-526	
Unzen dake	UNZ	Nagasaki,Japan	32.7400N	130.2650E	678	
Uoyan	YOA	Buryatiya,Russia	56.1328N	111.7239E	500	
Upernavik	UPNG	Greenland	72.7848N	56.1408W	110	
Upice	UPC	Czech Republic	50.5074N	16.0121E	416	
Upington	UPI	Cape Province,South Africa	28.3620S	21.2527E	845	From 1993-05-01
U. Pittsburgh - Allegheny Obs.	UPAO	Pennsylvania,U.S.A.	40.4821N	80.0216W	274	
Upper Baezaeko River	UBRB	British Columbia,Canada	52.8918N	124.0832W	1241	From 2007-10-16
Upper Bighouse, Forsinard	BIGH	Scotland,United Kingdom	58.4933N	3.9105W	70	From 2009-06-01
Upper Falls	YUF	Wyoming,U.S.A.	44.7126N	110.5117W	2394	
Upper Santa Misericordia	UMS	Luzon,Philippines	13.2480N	123.7320E	330	
Uppsala	UPP	Sweden	59.8583N	17.6267E	14	
'Uqlat as Suqur	UQSK	Saudi Arabia	25.7890N	42.3600E	950	From 1990-05-23
Ura	KV91	Miyazaki,Japan	32.0131N	130.8031E	308	
Urahoro	URH	Tokachi,Japan	42.9270N	143.6744E	120	
Urakawa	URA	Hidaka,Japan	42.1583N	142.7817E	30	
Urakawa 2	URAJ	Hidaka,Japan	42.2247N	142.7050E	40	From 1991-06-07
Urakawa 3	URA3	Hidaka,Japan	42.2428N	142.6672E	30	From 1993-12-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Urakawa-nobuka	JNBK	Hidaka,Japan	42.2800N	142.7527E	115	From 2002-03-19
Urasar	KYB	Armenia	40.9733N	44.2650E	1620	
Urasca	URSC	Costa Rica	9.8350N	83.7782W	1500	
Ura-Tyube	URT	Tajikistan	39.9167N	69.0167E		From 1970-01-01
Uravakonda	URV	Andhra Pradesh,India	14.9469N	77.2597E	472	From 2008-10-01
Uravi	URAV	Georgia,Georgia	42.6437N	43.2899E	869	From 2007-08-28
Urbana	N47A	Indiana,U.S.A.	40.8801N	85.6942W	252	From 2012-09-04
Urcuqui	URCU	Ecuador	0.4385N	78.2557W	3262	From 2010-05-03
Urd¯ɒs	URDF	Aquitaine,France	43.4383N	0.5931W	120	From 2012-06-01
Ureshino	JUR	Nagasaki,Japan	33.0932N	129.9490E	160	
Urewera	URZ	North Island,New Zealand	38.2593S	177.1109E	95	From 1990-10-09
Urfa	URFA	Turkey	37.4410N	38.8213E	938	From 2004-12-02
Urgal	URG	Khabarovskiy Kray,Russia	51.0986N	132.3639E	0	
Uribe, Santander	URB	Colombia	7.2375N	73.3338W	834	From 2009-09-01
Uribia, Colombia	URIC	Colombia	11.7017N	71.9925W	68	From 2009-02-01
Urkarakh	URKR	Dagestan,Russia	42.1656N	47.6333E	1300	
Uruapan	URUA	Michoacan,Mexico	19.4217N	102.0740W	1680	From 2009-02-16
Urumqi	WMQ	Xinjiang Uygur Zizhiqu,China	43.8211N	87.6950E	897	
Usagre, Badajoz	E029	Spain	38.4397N	6.1831W	593	From 2007-09-07 to 2009-06-02
U¯ak-Merkez	USAK	Turkey	38.7143N	29.0181E	721	From 2013-02-20
US Embassy, Port-au-Prince	NQUSE	Haiti	18.5640N	72.2482W	78	
Usha	KMN1	Pakistan	35.5370N	72.6670E	2245	From 2012-01-01
Ushuaia	USHA	Tierra del Fuego,Argentina	54.8319S	68.4333W	107	From 2003-12-19
Ushuaia	USHU	Tierra del Fuego,Argentina	54.8433S	68.5569W	12	
USHUAIA INFRASONIC ARRAY REFERENCE POINT	I02AR	Tierra del Fuego,Argentina	54.5806S	67.3092W	94	From 2006-05-04
Uspallata	AUSP	Mendoza,Argentina	32.2235S	69.3872W	2502	
Ussuriysk Ar. Beam Pt.	USRK	Russia	44.1998N	131.9888E	170	From 2008-10-13
Ussuriysk Array Site A0	USA0	Russia	44.1998N	131.9888E	115	From 2008-10-13
Ussuriysk Array Site A0B	USA0B	Primorskiy Kray,Russia	44.1999N	131.9887E	115	From 2008-10-13
Ussuriysk Array Site A1	USA1	Russia	44.2038N	131.9885E	105	From 2008-10-13
Ussuriysk Array Site A2	USA2	Russia	44.1970N	131.9953E	95	From 2008-10-13
Ussuriysk Array Site A3	USA3	Russia	44.1964N	131.9867E	115	From 2008-10-13
Ussuriysk Array Site B1	USB1	Russia	44.2163N	131.9915E	125	From 2008-10-13
Ussuriysk Array Site B2	USB2	Russia	44.1975N	132.0147E	85	From 2008-10-13
Ussuriysk Array Site B3	USB3	Russia	44.1827N	131.9996E	85	From 2008-10-13
Ussuriysk Array Site B4	USB4	Russia	44.1916N	131.9720E	85	From 2008-10-13
Ussuriysk Array Site B5	USB5	Russia	44.2105N	131.9710E	105	From 2008-10-13
USSURIYSK INFRASONIC ARRAY REFERENCE POINT	I30RU	Primorskiy Kray,Russia	44.1999N	131.9773E	150	From 2008-11-10
Ussuryisk	USK	Primorskiy Kray,Russia	44.2833N	132.0831E	0	
Ust'-Elegest	UER	Tyva,Russia	51.5630N	94.0870E	660	
Ustica	USI	Sicily,Italy	38.7079N	13.1791E	285	
Ust'-Kan	UKR	Altayskiy Kray,Russia	50.9370N	84.7730E	1100	
Ust'-Maya	USMR	Sakha,Russia	60.4200N	134.5400E	170	
Ust'-Nera	UNR	Sakha,Russia	64.5700N	143.2283E	485	
Ust'Nera (new)	UNR1	Sakha,Russia	64.5662N	143.2422E	485	From 1992-07-01
Ust'-Nyukzha	USZ	Amurskaya Oblast',Russia	56.5617N	121.5917E	415	
Ust'-Omchug	USO	Magadanskaya Oblast',Russia	61.1500N	149.6333E		
Ust' Urkima	UURS	Amurskaya Oblast',Russia	55.3100N	123.1600E	540	
Usu Kazan Kan	UVO	Iburi,Japan	42.5569N	140.8457E	143	
Usuki	JUS	Oita,Japan	33.0657N	131.7507E	140	
Utah State Capitol	CAPU	Utah,U.S.A.	40.7785N	111.8900W	1384	
UT Block 9, Goldsmith	228A	Texas,U.S.A.	32.1180N	102.5918W	954	From 2009-02-10 to 2010-12-08
Utesnoe	ZLDR	Sakhalinskaya Oblast',Russia	46.6520N	142.3630E	38	From 1989-06-22
Utesnoe	UTSR	Sakhalinskaya Oblast',Russia	46.6080N	143.0730E	162	From 1973-07-01 to 1992-03-10
Uthaitani	UTHA	Thailand	15.5586N	99.4451E	128	
Utla	UTL	Pakistan	34.2710N	72.6840E	1171	From 1973-08-23
Utowana Lake	UWL	New York,U.S.A.	43.8378N	74.5433W	561	From 1974-07-01 to 1981-12-31
Utrecht	NE05	Netherlands	52.0880N	5.1720E	2	From 1982-03-01 to 2001-08-21
Utsunomiya	UTSU	Tochigi,Japan	36.5470N	139.9170E	110	From 1962-02-01
Utsunomiya	UTS	Tochigi,Japan	36.5467N	139.8717E	120	
Uttaradit	UTTA	Thailand	17.7443N	100.5541E	62	
Utuhina	UTU	North Island,New Zealand	38.1766S	176.1938E	351	From 1986-07-10
Utxeti	IUSE	Spain	42.9469N	1.5478W	870	From 2005-07-22
Uummannaq	UMM	Greenland	70.6770N	52.1250W	48	
Uvalde	632A	Texas,U.S.A.	29.5071N	99.7863W	420	From 2009-02-24 to 2011-01-21
Uvinza	UVZA	Tanzania,United Republic of Tanzania	5.1048S	30.3935E	994	
Uvira	UVI	Democratic Republic of the Congo	3.4000S	29.1167E	950	From 1955-01-01
Uwa jima	UWA	Ehime,Japan	33.2250N	132.5580E	44	
Uwa jima 2	UWA2	Ehime,Japan	33.2137N	132.6245E	450	From 1993-02-01
Uwe@18kahuna Bluff	UWB	Hawaii,U.S.A.	19.4247N	155.2780W	1091	
Uwekahuna	UWE	Hawaii,U.S.A.	19.4211N	155.2930W	1240	From 1930-01-01
Uyuni	UYUN	Bolivia	20.4619S	66.7469W	3936	From 1994-06-27 to 1995-05-04
Uzd	UZD	Hungary	46.5925N	18.5818E	207	From 1987-01-01 to 1993-12-31
Uzhgorod	UZH	Ukraine	48.6310N	22.2930E	160	
Uzumlu	EUZM	Turkey	39.7072N	39.6976E	1250	From 2008-01-01
Uzumlu	UZU	Turkey	39.7086N	39.6981E	1500	
Uzunkopru-Edirne	UKOP	Turkey	41.1288N	26.6323E	70	From 2013-09-11
Uzuto	UZT	Hiroshima,Japan	34.5817N	133.1427E	230	
Uzynbulak	UZB	Kazakhstan	43.1470N	79.0220E	1560	From 2004-06-02
Vacheresse	OG01	Rhone-Alpes,France	46.3300N	6.6830E	1040	
Vackov	VAC	Czech Republic	50.2354N	12.3772E	530	From 2000-08-30
Vackovec	VACK	Czech Republic	50.1414N	12.4727E	457	
Vaenersborg	VANU	Sweden	58.4921N	12.0727E	50	From 2006-07-26
Vaermlandsnaes	NASU	Sweden	58.9278N	13.1862E	50	From 2006-05-10
Vaestervik	VSTU	Sweden	57.6600N	16.5363E	30	From 2002-05-04
Vaexsjoe	VXJU	Sweden	56.9212N	14.9391E	190	From 2002-10-23
Vagar	FVA	Faeroe Islands	62.0757N	7.3520W		
Vaihoa	VAH	Tuamotu,French Polynesia	15.2364S	147.6272W	2	
Vajepar	VJP	Gujarat,India	23.5600N	70.5000E	6	From 2012-01-01
Vajont	VAJ	Italy	46.2667N	12.3300E	725	
Valaam	VALR	Karel'skaya,Russia	61.3593N	30.8835E	39	From 2006-06-18
Valandovo	VAY	FYR Macedonia	41.3211N	22.5701E	168	From 1969-01-01
Valbona	VALM	Italy	44.3490N	10.2472E	790	From 1999-03-01
Valcebollere	VALF	Languedoc-Rousillon,France	42.4018N	2.0173E	1580	From 1998-11-25
Valcebollere	VALC	Languedoc-Rousillon	42.3820N	2.0432E	1547	From 2015-07-13
Val dAran	CARA	Spain	42.7076N	0.8181E	1627	From 2011-11-15
Valdeflores	VDF	Oaxaca,Mexico	16.7610N	96.8220W		
Val Des Bois	VABQ	Quebec,Canada	45.9047N	75.6079W	210	From 2010-11-29
Val-des-Bois,QC	VDBQ	Quebec,Canada	45.9277N	75.5697W	204	From 2010-06-24
Valdez	VLZ	Alaska,U.S.A.	61.1315N	146.3320W	10	From 1971-09-02
Valdez	VLD	Alaska,U.S.A.	61.1175N	146.2640W	61	
Valdez South	VZS	Alaska,U.S.A.	61.0442N	146.3050W	668	From 1972-07-22 to 1976-03-27
Valdez West	VZW	Alaska,U.S.A.	61.0590N	146.5540W	796	From 1972-07-17 to 1998-12-31
Valdichiascio	AA02	Italy	43.2655N	12.5751E	650	From 2011-02-08
Val di Lei	VDL	Switzerland	46.4832N	9.4496E	1927	From 1979-09-11
Valdivia	VLV	Valdivia,Chile	39.7900S	73.2764W	12	From 1967-08-01
Valdivia	VLCH	Valdivia,Chile	39.8060S	73.2460W	12	
Val d'Or	VDQ	Quebec,Canada	48.2300N	77.9717W	305	From 1980-12-09
Val d'Or	VLDQ	Quebec,Canada	48.1124N	77.4536W	93	
Val d'Or	VALQ	Quebec,Canada	48.1290N	77.5610W	245	
Valea Ierii	VLR	Romania	46.6542N	23.3547E	1080	From 1982-09-01 to 1989-01-01
Valencia Peak Digital	VPDC	California,U.S.A.	35.2399N	120.8690W	435	
Valentia	VAL	Ireland	51.9394N	10.2442W	14	From 1962-10-23
Valguarnera	VAE	Sicily,Italy	37.4783N	14.4119E	690	
Valinhos	VAO	Sao Paulo,Brazil	23.0022S	46.9658W	840	
Valkenburg	VKB	Netherlands	50.8669N	5.7847E	90	From 1996-09-10
Valkenburg	NE15	Netherlands	50.8670N	5.7850E	100	From 1984-06-01 to 2001-07-28
Valle Agricola	VAGA	Italy	41.4154N	14.2342E	795	From 2005-03-15
Valle Caidos	NE12	Spain	40.6420N	4.1550W	1280	From 1983-05-01 to 1985-02-28
Vallecito	CVLM	California,U.S.A.	37.6263N	121.8360W	245	From 1979-11-14
Valle de Chalco	VCVM	Mexico D.F.,Mexico	19.2980N	98.9545W	2224	From 2008-02-07
Valle de Guanape	GUAN	Venezuela	9.9575N	65.6478W	1107	From 1984-01-01
Valle D.L. Mare	JVM	Channel Islands,United Kingdom	49.2169N	2.2068W	64	From 1981-01-01
Valle d'Ocre (Ocre)	T0105	Italy	42.3109N	13.4629E	685	From 2009-04-08 to 2009-11-26
Valledupar, Cesar	CVALL	Colombia	10.5080N	73.2580W	354	From 2010-06-05
Valle Exploradores	AY02	Chile	46.4839S	73.1947W	75	From 2015-05-08
Valle Fertil	AVFE	La Rioja,Argentina	30.6593S	67.4558W	910	
Valle Grande	BS08	Bolivia	18.4970S	64.1122W	2151	From 2011-11-21
Vallenar	VACH	Coquimbo,Chile	28.5755S	70.7588W	410	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Valley Desolation	DVDT	Dominica	15.3104N	61.3134W	960	
Valley Falls	K06A	Oregon,U.S.A.	42.7991N	120.2510W	1340	From 2006-01-29 to 2007-11-03
Valley Oaks Golf Course, Visalia	VOG	California,U.S.A.	36.3210N	119.3823W	90	From 2011-05-26
Valley of Fire, Overton	U12A	Nevada,U.S.A.	36.4321N	114.5388W	644	From 2006-06-21 to 2008-10-11
Valley Road Site	AVRM	California,U.S.A.	39.0248N	121.2680W	91	From 1976-07-15
Valley View	GVV	California,U.S.A.	39.7751N	122.6755W	1457	
Valmikinagar	VLK	India	27.3167N	83.8667E		
Val Nalps	NALPS	Switzerland	46.5951N	8.7483E	2296	From 2011-11-02
Valparaiso	VLP	Valparaiso,Chile	33.0258S	71.6411W	88	From 1973-01-01
Valparaiso	UTF	Valparaiso,Chile	33.0350S	71.6042W	50	
Valsamata	VLS	Greece	38.1772N	20.5897E	375	
Valverde	VVD	Canary Islands,Spain	27.8074N	17.9112W	540	From 1973-09-01 to 1985-02-28
Valverde	CVVD	Canary Islands,Spain	27.8208N	17.9361W	450	From 1985-02-01 to 1993-10-31
Valverde	EVAL	Spain	37.5842N	6.7475W	295	From 1985-03-01
Vamos	VAM	Crete,Greece	35.4069N	24.1997E	225	
Van	VANB	Turkey	38.5950N	43.3890E	1227	
Van	VANT	Turkey	38.4210N	43.2653E	1750	From 1994-01-22
Van	TVAN	Turkey	38.5286N	43.4061E	2008	From 2001-10-18
Van	VNT	Turkey	38.5169N	43.3844E	1804	From 1979-12-01 to 1999-08-25
Vanadzor	VANZ	Armenia	40.7910N	44.5280E	1200	
Vanand	VNNZ	Armenia	40.1030N	43.8230E	1020	
Van Buren	T42A	Missouri,U.S.A.	37.0301N	91.0927W	162	From 2011-08-14 to 2013-03-20
Vanda	VND	Victoria Land	77.5239S	161.6720E	150	From 1969-01-12 to 1971-02-01
Vanda	VNDA	Victoria Land	77.5172S	161.8528E	121	From 1986-12-04
Vandellos 2	VAN2	Spain	40.9531N	0.8266E	180	
Vanderhoof	SULB	British Columbia,Canada	53.2786N	124.3576W	1171	From 2006-09-05
Van Goodin Ranch	OGOM	California,U.S.A.	39.6537N	121.6120W	158	From 1976-12-28
Van Hill	VHTN	Tennessee,U.S.A.	36.3990N	82.8021W	630	From 1986-01-14
Vanikum	BA16	Nordrhein-Westfalen,Germany	51.0301N	6.6616E	81	From 2006-10-01
Van Inlet	VIB	British Columbia,Canada	53.2522N	132.5410W	1008	From 1985-09-01
VAN INLET T-PHASE SITE N1	H02N1	British Columbia,Canada	53.2519N	132.5419W	989	From 2006-11-20
Van-Muradiye	VMUR	Turkey	38.9894N	43.5716E	1717	From 2010-11-29
Vannovskaya	VAN	Turkmenistan	37.9480N	58.1080E	580	
Van/˜zalp-Merkez	OZAP	Turkey	38.6614N	43.9928E	2058	From 2014-11-27
Vantage	VTG	Washington,U.S.A.	46.9579N	119.9885W	208	From 1970-07-01 to 2009-04-05
Vantage 2	VT2	Washington,U.S.A.	46.9672N	120.0003W	385	
Vanua Lava	VLN	Vanuatu	13.8867S	167.5420E	18	From 1975-11-20
Vaqueiros	PVAQ	Portugal	37.4037N	7.7173W	193	From 2006-12-23
Vara Blanca	VBL1	Costa Rica	10.1618N	84.1585W	1924	
Varagna	VARA	Italy	45.8260N	10.8965E	1735	From 2012-11-19
Varamin	IVRN	Iran	34.9954N	51.7273E	855	From 1996-01-01
Varanasi	VAR	Uttar Pradesh,India	25.3000N	83.0167E	88	
Vardanashen	VRNZ	Armenia	40.0490N	44.1910E	841	
Vardenis	VADZ	Armenia	40.1720N	45.7450E	2000	From 1983-01-01
Vardenis	VRD	Armenia	40.2200N	45.7000E	1930	
Vardenisi	VAD	Georgia,Georgia	40.1900N	45.7300E	530	
Vardzia	VRZG	Georgia,Georgia	41.3745N	43.2721E	1260	From 2003-01-01
Varese	VAI	Italy	45.8674N	8.7684E	1150	
Varese	VARE	Italy	45.8677N	8.7700E	1219	From 2009-10-07
Varian Well	VARB	California,U.S.A.	35.9261N	120.4471W	-61	
Varlezi	VARL	Romania	45.8996N	27.8487E	123	From 2013-11-19
Varmlds Nysat	VNY	Sweden	59.4040N	12.4820E	229	From 1980-01-01 to 1991-12-31
Varnville	VSC	South Carolina,U.S.A.	32.8792N	81.0500W	30	From 1974-05-20 to 1979-10-15
Varnville	VRN	South Carolina,U.S.A.	33.0375N	80.9417W	30	From 1979-10-15
Varrio	VRF	Finland	67.7480N	29.6090E	350	From 2007-10-01
Vartholomio	VAR2	Greece	37.8638N	21.2073E	41	From 2002-01-02
Varto	VRT	Turkey	39.1310N	41.5290E	1930	
Varto-Mus	VRTB	Turkey	39.1603N	41.4558E	1500	From 2008-11-20
Vashon High School SMO	VVHS	Washington,U.S.A.	47.4235N	122.4549W	95	From 2001-09-20
VASILIKIADES	VSK1	Greece	38.4090N	20.5640E	315	From 2012-10-01
Vaslui	VASR	Romania	46.6415N	27.7911E	275	From 2013-11-19
Vassijaure	VAS	Sweden	68.4167N	18.1833E	469	
Vassilika	VSL1	Greece	40.4792N	23.1360E	56	From 2008-09-30
Vassilikiades, Cephalinia Isl.	VSK2	Greece	38.4091N	20.5640E	303	From 2012-09-01
Vassiliki, Lefkas Island	VAS2	Greece	38.6304N	20.6081E	2	From 2011-06-01
Vassouras	VASS	Rio de Janeiro,Brazil	22.3994S	43.6522W	448	From 1988-01-01
Vassouras-RJ	VAS01	Rio de Janeiro,Brazil	22.2801S	43.4426W	402	From 2011-01-30
Vasula	VSU	Estonia	58.4620N	26.7347E	63	
Vathi Samos	SMG1	Greece	37.7535N	26.9779E	20	From 2004-06-30
Vatnsfell	IVAT	Iceland	64.1870N	18.9180W	573	From 1998-04-20
Vatovaky	VTY	Madagascar	19.0759S	47.5386E	1423	From 1973-01-01
Vava'u	VAVA	Tonga	18.6640S	173.9770W	5	
Vaz, Muldain	SVAM	Switzerland	46.6934N	9.5260E	1273	From 1991-11-23
Veano	VEA	Italy	44.8893N	9.6190E	0	From 1982-01-01 to 2004-12-31
Veberod	VEB	Sweden	55.5990N	13.5160E	116	From 1980-01-01 to 1991-12-31
Veblen	F32A	South Dakota,U.S.A.	45.8705N	97.1264W	371	From 2010-10-24 to 2012-07-22
Vedder Mountain	VDB	British Columbia,Canada	49.0261N	122.1030W	404	From 1983-01-04
Vedeno	DVE	Chechnya,Russia	42.9569N	46.1261E	800	From 2011-07-01
Vedriano (Canossa) - RE	RE03	Italy	44.5240N	10.3938E	545	From 2008-12-28 to 2009-02-12
Vega	W28A	Texas,U.S.A.	35.2574N	102.2063W	1156	From 2009-01-20 to 2010-11-14
Veis	IVIS	Iran	34.5264N	46.8496E	1135	From 2004-01-01
Velasquez	VLG	Guatemala	14.2405N	91.0077W	212	From 1980-07-01 to 1987-11-30
Velbert-Hespertal	HES	Germany	51.3670N	7.0420E	127	From 2008-10-01
Velez Rubio	VELZ	Spain	37.5838N	1.9880W	1000	
Veliai	VLI	Greece	36.7182N	22.9370E	220	From 1989-06-01
Veliko Turnovo	VETAM	Bulgaria	43.0805N	25.6367E	224	From 2012-11-20
Velka Javorina	JAVC	Czech Republic	48.8591N	17.6707E	827	
Vena	EVNA	Sicily,Italy	37.7958N	15.1402E	700	From 1994-10-01
Venator	VT-	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venator	VT-OR	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venebrugge	VBG	Netherlands	52.5447N	6.6704E	11	
Venebrugge (Bruchterveld)	VBG2	Netherlands	52.5440N	6.6693E	-81	From 2010-09-01
Venebrugge (Bruchterveld)	VBG1	Netherlands	52.5440N	6.6693E	-31	From 2010-09-01
Venebrugge (Bruchterveld)	VBG3	Netherlands	52.5440N	6.6693E	-131	From 2010-09-01
Venebrugge (Bruchterveld)	VBG4	Netherlands	52.5440N	6.6693E	-181	From 2010-09-01
Venecia	VENE	Costa Rica	10.3658N	84.2748W	380	
Venezia Lido	VENL	Italy	45.4167N	12.3771E	4	From 2014-06-10
Veniaminof	BPBCA	Alaska,U.S.A.	56.5897N	158.4526W	584	
Veniaminof 1	VNHG	Alaska,U.S.A.	56.2211N	159.1642W	966	
Veniaminof 2	VNFG	Alaska,U.S.A.	56.2857N	159.5511W	1068	
Veniaminof 3	VNNF	Alaska,U.S.A.	56.2837N	159.3160W	1153	
Veniaminof 5	VNKR	Alaska,U.S.A.	56.0312N	159.3678W	620	
Veniaminof 6	VNSG	Alaska,U.S.A.	56.1258N	159.0854W	761	
Veniaminof 7	VNSW	Alaska,U.S.A.	56.0719N	159.5585W	716	
Veniaminof 8	VNSS	Alaska,U.S.A.	56.2267N	159.4548W	1733	
Veniaminof 8	VNWF	Alaska,U.S.A.	56.1517N	159.5622W	1095	
Venice	VEN	Italy	45.4333N	12.3333E	1	
Ventotene	VENT	Italy	40.7947N	13.4217E	110	
Vera	EXVE	Spain	37.2420N	1.8570W	89	
Veracruz	POHV	Veracruz,Mexico	19.0688N	97.2803W	4150	From 1999-01-01
Veracruz	VER	Nicaragua	12.0897N	86.1712W	140	From 1977-01-01 to 1983-12-31
Veracruz	VEX	Baja California,Mexico	32.3612N	115.1050W		From 1981-10-21 to 1987-04-10
Veracruz	VCM	Veracruz,Mexico	19.2006N	96.1378W	3	
Veracruz	LIMM	Veracruz,Mexico	19.6803N	96.5281W	200	
Veracruz	FARM	Veracruz,Mexico	19.6260N	96.3930W		
Veracruz	CAMM	Veracruz,Mexico	19.5880N	96.4600W	190	
Veracruz	LVMM	Veracruz,Mexico	19.6014N	96.3955W	160	
Veracruz	MANM	Veracruz,Mexico	19.5900N	96.4167W	2	
Vera Road	VRZ	North Island,New Zealand	39.1243S	174.7585E	166	From 2003-11-26
Verde Repeater	VRDI	Alaska,U.S.A.	61.2280N	143.4524W	1880	
Verdigre	K32A	Nebraska,U.S.A.	42.6597N	97.9723W	512	From 2010-07-19 to 2012-04-27
Verdi Peak	VPK	California,U.S.A.	39.4747N	120.0370W	2469	
Verghereto (FC)	PR01	Italy	43.8481N	12.0606E	627	From 2011-05-25
Verhnyaya Amga	YVAM	Sakha,Russia	59.6409N	127.1227E	275	From 2011-06-17
Veris	VRZT	Georgia,Georgia	41.7094N	44.7886E	450	From 2003-01-01
Veris	VERG	Georgia,Georgia	41.7097N	44.7893E	420	From 2003-01-01
Verkh-Chumysh, Kuzbass, Russia	VCHU	Kemerovskaya Oblast'	53.9550N	86.4420E	349	From 2015-06-17
Verkhnechusovskiye Gorodki	PR0R	Permskiy Kray,Russia	58.1990N	57.1407E	121	From 2003-10-23
Verkhne-Kamchatsk	VEK	Kamchatskaya Oblast',Russia	54.6270N	158.4730E	160	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Verkhnyaya Baza	VEH	Kemerovskaya Oblast',Russia	53.2530N 90.3180E	1200	
Vermontville	K47A	Michigan,U.S.A.	42.6704N 84.9993W	275	From 2012-09-10
Vern	NYV	Nevada,U.S.A.	37.1128N 115.9900W	1442	From 1971-01-01 to 1973-01-31
Vernal	VNL	Utah,U.S.A.	40.4581N 109.5482W	1648	From 2005-10-25
Vernal	VLU	Utah,U.S.A.	40.4464N 109.5150W	1605	
Vernal	VN-UT	Utah,U.S.A.	40.5086N 109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VN-	Utah,U.S.A.	40.5086N 109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal Corners	VCS	New York,U.S.A.	42.8578N 78.1997W	488	
Verneugheol	VERF	Limousin,France	45.7495N 2.4838E	776	
Vernon	451A	Florida,U.S.A.	30.6160N 85.7467W	20	From 2012-02-03
Veroia	VER2	Greece	40.5266N 22.2071E	120	From 2008-09-30
Verona	VVMR	Italy	45.4709N 10.9938E	219	From 2010-10-10
Verrico (Montereale)	RM29	Italy	42.5606N 13.2023E	1276	From 2009-09-25 to 2010-03-03
Veseth Ranch, Zortman	C20A	Montana,U.S.A.	47.7133N 108.0042W	781	From 2008-08-24 to 2011-01-13
Vestal, Richgrove	VES	California,U.S.A.	35.8409N 119.0847W	154	From 1999-09-30
Vestmannaeyjar	IVME	Iceland	63.4270N 20.2939W	76	From 2012-10-12
Vestmannaeyjar	IVES	Iceland	63.4430N 20.2870W	55	From 2000-12-29
Vesuviano	OVO	Italy	40.8267N 14.3978E	606	From 1974-12-01
Vesuviano	OV1	Italy	40.8267N 14.3978E	606	From 1974-12-01
Vesuvio Array Permanente	VARP	Italy	40.8164N 14.4098E	661	From 2009-02-09
Vesuvio Bunker Nord	VBKN	Italy	40.8300N 14.4299E	951	From 2009-05-11
Vesuvio Cratere Est	VCRE	Italy	40.8190N 14.4314E	1125	From 2008-10-15
Vesuvio Tirone	VTIR	Italy	40.8059N 14.4243E	608	From 2009-06-19
Vesuvio Valle Del Gigante	VVDG	Italy	40.8356N 14.4238E	879	From 2009-09-07
Veterans Administration Hospital	CVAL	California,U.S.A.	37.6183N 121.7582W	201	From 1981-02-10
Vettahaugen	N1R1	Norway	66.2070N 13.7410E	690	
Vezirkopru	VEZ	Turkey	41.1305N 35.4627E	387	From 1976-09-01
Vialonga--Serves	PSRV	Portugal	38.8932N 9.0896W	345	
Vianden	LVIA	Luxembourg	49.9351N 6.2025E	252	From 1990-06-27
Vianos	EVIA	Spain	38.6386N 2.5025W	1110	From 1985-11-01
Vicchio	VMG	Italy	43.9617N 11.5439E	450	
Vickery Place, Crowley	135A	Texas,U.S.A.	32.5573N 97.4099W	270	From 2009-11-13 to 2011-09-08
Vicksburg	VBMS	Mississippi,U.S.A.	32.2185N 90.5177W	16	From 2007-04-26
Victor	R54A	West Virginia,U.S.A.	38.1809N 80.9904W	512	From 2013-01-12
Victor	E13A	Montana,U.S.A.	46.4423N 114.1880W	1257	From 2006-10-11 to 2009-06-11
Victor	VCMT	Montana,U.S.A.	46.4425N 114.1872W	1254	
Victoria	VICT	El Salvador	13.9596N 88.6384W	993	From 2013-01-18
Victoria	VCT	Romania	45.7250N 24.7010E	565	From 1989-04-01
Victoria	VIC	British Columbia,Canada	48.5194N 123.4150W	197	From 1898-01-01 to 1978-03-29
Victor Mine	VIMO	Ontario,Canada	52.8173N 83.7449W	78	
Victorville	VTV	California,U.S.A.	34.5606N 117.3296W	812	From 1993-04-16
Vida	C22A	Montana,U.S.A.	47.7456N 105.8841W	745	From 2008-09-07 to 2011-01-13
Vidalia	343A	Louisiana,U.S.A.	31.2839N 91.6169W	15	From 2011-02-24 to 2012-11-30
Vidin	PLVAM	Bulgaria	43.9523N 22.8502E	88	From 2012-11-20
Vidor	540A	Texas,U.S.A.	30.2093N 93.9796W	10	From 2010-05-23 to 2011-12-07
Vielha	VIH	Spain	42.6288N 0.7700E	1700	From 1986-01-01 to 2003-12-31
Vielle Casse Police Station	DVCT	Dominica	15.6144N 61.4061W	0	From 2004-09-18
Vienna	VKA	Austria	48.2650N 16.3183E	400	
Vienna	VIE	Austria	48.2483N 16.3617E	198	
Vieques	VQS	Puerto Rico	18.1467N 65.4483W	20	From 1903-09-01 to 1924-12-31
Viesci	RM23	Italy	42.5797N 13.0316E	942	From 2009-04-10 to 2009-06-18
Vietri Di Potenza	VDP3	Italy	40.6052N 15.5721E	959	
Vieux Emosson	EMV	Switzerland	46.0632N 6.8988E	2210	From 1981-11-18
Viey	VIEF	Midi-Pyrenees,France	42.8837N 0.0237E	1000	From 1996-10-24
Vigarano Mainarda (FE)	CAS02	Italy	44.8360N 11.4834E	5	From 2012-05-23
Vigarano Mainarda (FE)	CAS06	Italy	44.8203N 11.4918E	15	From 2012-05-24
Vigarano Pieve (FE) fraz. Diamantina	CAS04	Italy	44.8805N 11.5269E	14	From 2012-05-23
Viggianello (PZ)	T0701	Italy	39.9862N 16.1161E	881	From 2012-05-25
Viggiano	VIGE	Italy	40.3353N 15.9000E	800	
Viggiano	BVIG	Italy	40.3359N 15.9020E	849	From 2008-01-26
Viggiano (Prot.Civ.Gr.Lucano)	VGG3	Italy	40.3360N 15.9010E	882	
Vihanti	OBF5	Finland	64.4000N 25.3000E	80	From 2013-08-01
Vijayawada	VJD	Andhra Pradesh,India	16.5167N 80.6500E		
Vik	VIK	Iceland	63.4217N 19.1000W	19	
Vikbolandet	VIKU	Sweden	58.5017N 16.6992E	100	From 2002-02-05
Vikkela, Lumijoki	OBF4	Finland	64.8136N 25.1029E	40	From 2013-05-13
Vila Bisbo	PFVI	Portugal	37.1328N 8.8268W	189	From 1996-01-01
Vilada	VILA	Spain	42.1363N 1.8913E	400	
Vila Franca	VIF	Azores,Portugal	37.7448N 25.4397W	647	From 1981-01-01
Vila Nova	PVNV	Azores,Portugal	38.7619N 27.1559W	150	From 2003-03-01
Vila Real	PVRL	Portugal	41.2756N 7.7161W	660	From 1995-06-01
Vilhena	VILB	Rondonia,Brazil	12.9528S 60.2002W	434	From 2014-03-30
Vilia, Western Attica	VIL1	Greece	38.1650N 23.3268E	532	From 2008-11-27
Villa Celiera	VCEL	Italy	42.3946N 13.8406E	1185	From 2004-05-11
Villacollemandina	VLC	Italy	44.1594N 10.3864E	555	
Villa de Garcia	VNM	Nuevo Leon,Mexico	25.8433N 100.5942W		From 1989-12-01
Villa del Rosario	VIRV	Venezuela	10.5030N 72.4060W	157	From 2001-08-31
Villa di Villa	VVI	Italy	45.9819N 12.4281E	100	From 1987-06-10
Villa Eilenroc - Antibes	EILF	France	43.5480N 7.1310E	30	From 2011-04-08
Villa El Salvador	PP09	Peru	12.2133S 76.9367W	100	
Villa Florida	CPUP	Paraguay	26.3306S 57.3292W	105	From 1994-07-21
VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	LPAY	Paraguay	26.3423S 57.3119W	164	From 2003-03-19
Villa Grajales	VGM	Puebla,Mexico	19.2500N 97.7833W		
Villa Maderas	MADN	Nicaragua	11.4083N 85.5333W	50	
Villa Marinero	VMO	Oaxaca,Mexico	15.8512N 97.0638W	3	
Villa Mercy	VIL	Maryland,U.S.A.	39.0209N 77.1887W		
Villanova	VINO	Italy	46.2564N 13.2814E	608	
Villa Nueva	BS04	Bolivia	20.0563S 65.3427W	3323	From 2011-09-01
Villa O'Higgins	GO08	Chile	48.4648S 72.5566W	300	
Villa Park Dam	VPD	California,U.S.A.	33.8160N 117.7620W	183	From 1971-06-07
Villa Poma (MN)	MIR05	Italy	44.9808N 11.1072E	15	From 2012-05-23
Villaroger	OG12	Rhone-Alpes,France	45.5375N 6.9053E	1550	From 1993-11-12
Villasalto	VSL	Sardinia,Italy	39.4960N 9.3780E	370	
Villa Vallelonga	VVLD	Italy	41.8710N 13.6220E	1005	
Villavicencio, Colombia	VILC	Colombia	4.1120N 73.6935W	1109	From 2011-02-01
Villaviciosa de Cordoba, Cordoba	E021	Spain	38.0057N 4.9163W	609	From 2007-09-15 to 2009-06-17
Villefranche	VDCF	Languedoc-Rousillon,France	42.5908N 2.3656E	600	From 1989-01-01 to 1999-07-13
Ville Marie	VMC	Quebec,Canada	47.3167N 79.4500W		
Villemus	VILF	Provence-Cote d'Azur,France	43.8525N 5.7153E	770	
Villeneuve d'Entraunes	OG30	Rhone-Alpes,France	44.1095N 6.7775E	1350	From 1992-01-08
Villia	VILL	Greece	38.1642N 23.3122E	650	From 2009-10-12
Villiers-Adam	VDM	Ile-de-France,France	49.0743N 2.2318E	70	From 1983-11-01
Villiers-Adam	NE07	Ile-de-France,France	49.0743N 2.2318E	70	From 1983-11-01
Vimmerby	VIM	Sweden	57.7880N 16.0020E	151	From 1980-01-01
Vinca	VINC	Italy	44.1412N 10.1522E	737	From 1994-04-01 to 1999-12-31
Vinchina	VCA	La Rioja,Argentina	28.7363S 68.2056W	1500	From 1973-04-01
Vineyard	VIN	California,U.S.A.	36.7500N 121.3850W	330	From 1959-02-03 to 1966-03-09
Vineyard	BVYM	California,U.S.A.	36.7493N 121.4130W	585	From 1975-12-11
Vineyard Canyon	PVCM	California,U.S.A.	35.9221N 120.5350W	770	
Vineyard Canyon	VCAB	California,U.S.A.	35.9216N 120.5339W	555	
Vineyard--Telemeter	VIT	California,U.S.A.	36.7500N 121.3880W	360	From 1961-05-31 to 1965-02-10
Vinh	VIVB	Vietnam	18.6503N 105.6962E	6	From 2007-01-01
Vinh	VIV	Vietnam	18.5475N 105.7000E	5	
Vinh Tuy	VTVB	Vietnam	22.2527N 104.8987E	71	From 2008-01-01
Vinica-Bojanci	VBY	Slovenia	45.5045N 15.2566E	259	From 1986-10-30
Vinton	L39A	Iowa,U.S.A.	42.1234N 92.0007W	261	From 2011-06-13 to 2013-06-02
Vinton	VO-IO	Iowa,U.S.A.	42.2250N 92.1269W	274	From 1964-09-01 to 1965-03-22
Vinton	VO-	Iowa,U.S.A.	42.2250N 92.1269W	274	From 1964-09-01 to 1965-03-22
Viola	U41A	Arkansas,U.S.A.	36.3440N 91.9203W	300	From 2011-06-22
Virac	PVCP	Luzon,Philippines	13.5960N 124.1540E	50	
Virgin Gorda	VGVI	Virgin Islands	18.4400N 64.4300W	20	From 2001-12-10 to 2003-04-01
Virgin Gorda, British Virgin Islands	VGBI	Virgin Islands	18.4905N 64.4025W	288	From 2013-02-01
Virgin Gorda Peak	GPV	Virgin Islands	18.4918N 64.4035W		
Virginia	VIR	Orange Free State,South Africa	28.0800S 26.8633E	1341	
Virginia Beach	VBV	Virginia,U.S.A.	36.7853N 76.1080W	5	
Virginia City	VCNR	Nevada,U.S.A.	39.2956N 119.6503W	1928	
Virginia Peak	VIP	Nevada,U.S.A.	39.7540N 119.4610W	2499	
Virginia Western Community College	VWCC	Virginia,U.S.A.	37.2459N 79.9776W	361	
Virojoki	VJF	Finland	60.5388N 27.5550E	34	From 2003-05-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vis@19nje	VISS	Slovenia	45.8033N	14.8393E	403	From 2004-03-01
Visale	VSG	Solomon Islands,Papua New Guinea	9.2528S	159.7130E	330	From 1983-12-22
Viseu	PVIS	Portugal	40.7157N	7.8945W	720	From 1995-06-01
Vishakhapatnam	VIS	Andhra Pradesh,India	17.7210N	83.3287E	82	From 1962-01-01
Vishakhapatnam	VISK	Andhra Pradesh,India	17.7210N	83.3287E	30	
Visignano	VISG	Italy	44.1890N	11.4340E	728	From 2004-10-22
Visp Littennaring	SVIL	Switzerland	46.2923N	7.8865E	647	From 2010-04-01
Visp, Lonza VS	SVISP	Switzerland	46.3003N	7.8774E	543	From 2015-07-01
Visp Obere Stapfengasse	SVIO	Switzerland	46.2908N	7.8803E	650	From 2010-04-01
Visp-Terbinerstrasse	SVIT	Switzerland	46.2897N	7.8848E	655	From 2010-05-01
Vissoie, Val d'Anniviers	VANNI	Switzerland	46.2101N	7.5968E	1520	From 2009-10-30
Vista de Mar	VCR	Costa Rica	10.1265N	85.6312W	960	
Vista Grande	VG2	California,U.S.A.	33.8318N	116.8090W	0	From 1975-12-01
Vista Hermosa	VHO	Oaxaca,Mexico	17.0723N	96.7332W	1685	
Vista Hermosa	VHM	Oaxaca,Mexico	17.1767N	96.7453W	1829	
Vitale (Isola del Liri - FR)	T0202	Italy	41.7021N	13.5442E	355	From 2009-06-12 to 2010-01-14
Viti Levu	NMF	Fiji	18.0058S	178.1600E	295	
Vitim	VTM	Sakha,Russia	59.4400N	112.5800E	168	
Vitim	VTMR	Sakha,Russia	59.4400N	112.5500E	190	From 2005-06-27
Vitineika	VTN	Greece	37.9166N	21.1856E	47	From 2009-09-08
Vitoria	PVIA	Azores,Portugal	39.0682N	28.0503W	49	From 2005-09-01
Vitosha	VTS	Bulgaria	42.5916N	23.2083E	1490	
Vittel	VITF	Lorraine,France	48.2172N	5.9844E	460	
Vittoria	HVIT	Sicily,Italy	36.9924N	14.5215E	288	From 2011-12-16
Vitulano	VTB1	Italy	41.1825N	14.6300E	865	From 1999-01-01 to 2005-05-05
Vitulano (BN)	VITU	Italy	41.1833N	14.6302E	847	From 2013-12-31
Vitzeroda	VITZ	Thuringen,Germany	50.8870N	10.0916E	392	From 2010-05-20
Vivian	VVO	Oklahoma,U.S.A.	35.3368N	95.7374W	224	From 1985-09-11
Vivian Onida	I29A	South Dakota,U.S.A.	44.0215N	100.3034W	592	From 2009-09-11 to 2011-06-30
Vizcacheras	AVIZ	Mendoza,Argentina	33.4730S	68.5162W	1019	
Vizianagram	VIZ	Andhra Pradesh,India	18.1167N	83.4500E		
Vizzini	HVZN	Sicily,Italy	37.1780N	14.7150E	730	From 1994-05-01
Vlachokerasia	VLX	Greece	37.3703N	22.3793E	1035	From 2006-06-28
Vladesti	VLDR	Romania	45.8443N	28.0808E	155	From 2015-07-23
Vladikavkaz	VLKR	Severo-Osetinskaya,Russia	43.0465N	44.6773E	684	From 2003-06-23
Vladila	VLAD	Romania	43.9986N	24.4038E	138	From 2012-10-31
Vladivostok	VLA	Primorskiy Kray,Russia	43.1196N	131.8850E	61	
Vlagtwedde	VLW1	Netherlands	52.9682N	7.0972E	-43	From 2010-10-29
Vlagtwedde	VLW	Netherlands	52.9694N	7.0982E	7	
Vlagtwedde	VLW4	Netherlands	52.9682N	7.0972E	-193	From 2010-10-29
Vlagtwedde	VLW2	Netherlands	52.9682N	7.0972E	-93	From 2010-10-29
Vlagtwedde	VLW3	Netherlands	52.9682N	7.0972E	-143	From 2010-10-29
Vlasy	PR4R	Permskiy Kray,Russia	57.9137N	55.6777E	152	From 2006-02-07
Vlora	VLO	Albania	40.4686N	19.4955E	43	
Vlychada, Santorini	SNT2	Greece	36.3398N	25.4325E	50	From 2011-07-05 to 2014-04-26
Vobarno	VOBA	Italy	45.6429N	10.5040E	292	From 2006-06-28
Vodivohitra	VDA	Madagascar	19.0610S	46.9530E	1472	From 1994-12-18
Vodopadnii	VDP	Kamchatskaya Oblast',Russia	55.7700N	160.2200E	1060	From 1977-01-01 to 1991-12-31
Vogar	IVOG	Iceland	63.9700N	22.3930W	7	From 1997-02-23
Vogel Lake	VOGL	Alaska,U.S.A.	60.9961N	150.4307W	38	
Voghera	VG1	Italy	44.9292N	9.0958E		From 1980-06-22 to 1999-08-25
Vogsosar	IVOS	Iceland	63.8530N	21.7040W	8	From 1997-04-15
Vogtsburg - Totenkopf, Kaiserstuhl	VOGT	Baden-Wurttemberg	48.0814N	7.6700E	550	From 2015-09-01
Vohitsoka	VOI	Madagascar	22.0260S	46.7059E	991	From 2009-11-26
Voineasa-Covasna	COVR	Romania	45.8456N	26.2043E	617	From 2015-08-11
Vojsko	VOJS	Slovenia	46.0317N	13.8833E	1046	From 2004-10-01
Vojsko	VOY	Slovenia	46.0317N	13.8935E	1073	From 1984-11-01
Volborg	F23A	Montana,U.S.A.	45.7212N	105.4056W	953	From 2008-11-17 to 2010-08-07
Volcan	BRU2	Panama	8.7940N	82.6910W	1308	
Volcan Arenal	VACR	Costa Rica	10.4730N	84.6775W	360	From 1986-04-29
Volcan Cerro Prieto	VCP	Baja California,Mexico	32.4000N	115.3000W	110	From 1976-10-28
Volcan Chico	VCHI	Galapagos,Ecuador	0.7917S	91.0667W	1490	
Volc˜¡n Chico	VCH1	Galapagos,Ecuador	0.7837S	91.0954W	1490	From 2012-10-06
Volcan Galeras	GCUF	Colombia	1.2260N	77.3450W	3800	
Volcan Irazu	IRZ	Costa Rica	9.9744N	83.8657W	3380	From 1984-03-17 to 1985-12-31
Volcan Irazu	ICR	Costa Rica	9.9808N	83.8305W	3306	
Volcan Irazu 2	IRZ2	Costa Rica	9.9688N	83.8975W	2975	From 1985-01-01
Volcan Nyalulag	NYAM	Democratic Republic of the Congo	1.4100S	29.2000E	3056	
Volcan Nyirag	NYI	Democratic Republic of the Congo	1.5200S	29.2500E	3469	
Volcano Peak E	WVPM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Peak East	VPEM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcan Poas	VPS	Costa Rica	10.1873N	84.2385W	2570	
Volcan Poas 2	VPS2	Costa Rica	10.1902N	84.2353W	2570	From 1980-11-01
Volcan Purace	PURC	Colombia	2.3222N	76.3617W	3950	From 1987-01-01
Volcan Rincon	RIN	Costa Rica	10.7735N	85.3583W	775	From 1984-11-01 to 1987-05-20
Volcan Rincon	RIN3	Costa Rica	10.7908N	85.3787W	900	From 1988-08-26
Volcan Rincon	RIN2	Costa Rica	10.8185N	85.3495W	1400	From 1987-05-20 to 1988-08-26
Volcan San Salvador	VSS	El Salvador	13.7417N	89.2417W	1250	
Volcan Turrialba	CVTR	Costa Rica	10.0200N	83.7590W	3223	
Volcan Turrialba	VTU	Costa Rica	10.0210N	83.7583W	3329	
Volcan Turrialba	VTR0	Costa Rica	10.0173N	83.7602W	3300	
Volcan Turrialba	VTUC	Costa Rica	10.0240N	83.7620W	3191	
Volcan Villarrica	VNV	Cautin,Chile	39.3692S	71.9528W	1200	From 1983-01-01
Volimes	VOL	Greece	37.8857N	20.6775E	552	From 2007-04-19
Volimes, Zakynthos	VLMS	Greece	37.8766N	20.6628E	431	From 2013-07-15
Vollmer Peak	CVPM	California,U.S.A.	37.8840N	122.2220W	568	
Volos	VOL2	Greece	39.3660N	22.9506E	22	From 2012-08-01
Vomvokou	VVK	Greece	38.4222N	21.8115E	651	From 2010-09-30
Vonarskard	IVON	Iceland	64.6732N	17.7558W	999	From 2013-09-09
Voronezh	VOR	Voronezhskaya Oblast',Russia	51.7311N	39.2000E	160	From 1997-01-01 to 2008-08-20
Voronezh	VORR	Voronezhskaya Oblast',Russia	51.6717N	39.2082E	150	From 2008-08-20
Vostochnaya	VOSK	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya	VOS	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya array site	VOS9	Kazakhstan	52.7696N	70.9511E	329	From 1995-08-10
Vostochnaya array site	VOS4	Kazakhstan	52.7686N	70.9906E	321	From 1995-08-10
Vostochnaya array site	VOS8	Kazakhstan	52.7524N	70.9211E	344	From 1995-08-10
Vostochnaya array site	VOS6	Kazakhstan	52.7478N	70.9649E	327	From 1995-08-10
Vostochnaya array site	VOS7	Kazakhstan	52.7276N	70.9370E	328	From 1995-08-10
Vostochnaya array site	VOS5	Kazakhstan	52.7435N	71.0042E	316	From 1995-08-10
Votaw Ranch, Wellfleet	N29A	Nebraska,U.S.A.	40.8189N	100.6264W	897	From 2009-05-19 to 2011-04-11
Vottur	IVOT	Iceland	64.2708N	17.1825W	1041	From 2011-06-06
Vouglans	VOU	Franche Comte,France	46.3989N	5.6508E	495	From 1967-03-01
Voula,Athens	VLY	Greece,Greece	37.8524N	23.7942E	256	From 2008-02-12
Vouvas Sfakia	SFK2	Crete	35.2116N	24.1898E	176	From 2015-07-15
Vozrozhdenie	VOZR	Krasnodarskiy Kray,Russia	44.5530N	38.2230E	92	From 2009-11-23 to 2013-11-03
Vranov	VRAC	Czech Republic	49.3083N	16.5935E	475	From 1989-12-01
Vrh nad Dolskim	VNDS	Slovenia	46.1016N	14.7014E	531	From 2005-12-16
Vrincioaia	VRI	Romania	45.8665N	26.7276E	472	From 1967-01-01
Vrontados, Chios Island	VRO1	Greece	38.4057N	26.1339E	34	From 2010-10-01
V-Sauoahnukur	IVSH	Iceland	64.8080N	15.7280W	849	From 2004-12-29
Vulcan	VUL	New Britain,Papua New Guinea	4.2828S	152.1460E	332	From 1967-01-01
Vulcanello	VN6*	Sicily,Italy	38.4256N	14.9625E		From 1966-04-01 to 1966-05-01
Vulcano Cr IE	IVCR	Sicily,Italy	38.4080N	14.9620E	140	From 1977-01-01
Vulcano Grillo IE	IVUG	Sicily,Italy	38.3960N	14.9860E	250	From 1977-01-01
Vulcano Grotta dei Palizzi	IVGP	Sicily,Italy	38.3968N	14.9608E	129	From 2011-12-05
Vulcano Lentia IE	IVLT	Sicily,Italy	38.3960N	14.9480E	150	From 1977-01-01
Vulcano Piano	VPL	Sicily,Italy	38.3789N	14.9836E	410	
Vunargo	VNG	Greece	37.7410N	21.3930E	240	From 2006-05-15
Vunidawa	VDW	Fiji	17.8336S	178.2528E	409	From 1979-10-01
Vunikawai	VUN	Fiji	18.0072S	178.4633E	178	From 1976-12-01
VWDT	VWDT	Taiwan region	23.7537N	121.1412E	0	From 2009-07-16
VWUC	VWUC	Taiwan region	24.9911N	119.4492E	5	From 2009-09-14
Vyborg	VYB	Leningradskaya Oblast',Russia	60.7167N	28.8000E	25	
Vyhne	VYHS	Slovakia	48.4940N	18.8361E	480	
Vyrnwy	WVR	Wales,United Kingdom	52.7974N	3.6051W	580	From 1985-01-01
W01	IASBS	Iran	34.3463N	45.7438E	532	From 2013-10-08 to 2014-11-01
Wabag	WAB	Papua New Guinea	5.4947S	143.7280E	2032	From 1968-01-01
Wabash College	WVIL	Illinois,U.S.A.	38.4298N	87.7817W	160	
Wabush	WBHL	Newfoundland,Canada	52.9030N	66.8663W	595	From 2011-07-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wabush	WABN	Newfoundland,Canada	52.9080N	66.8710W	563	
Wachi	JWT	Kyoto,Japan	35.2825N	135.4015E	172	
Wade Farm, Kenmare	A26A	North Dakota,U.S.A.	48.8973N	102.0380W	570	From 2009-07-23 to 2011-07-25
Wadena	E34A	Minnesota,U.S.A.	46.5136N	95.1691W	430	From 2010-08-26 to 2012-07-31
Wadesville	WDIN	Indiana,U.S.A.	38.0908N	87.7158W	164	
Wadia Institute--Dehra Dun	WIHG	Uttar Pradesh,India	30.3285N	78.0130E	619	From 1985-11-01
Wadi Bani Khalid	WBK	Oman	22.6100N	58.9700E	450	From 2001-07-01
Wadi Hawf	WHFO	Oman	17.9190N	53.7706E	550	From 2001-07-01
Wadi 'Ibn Hashbal	WBHS	Saudi Arabia	18.6062N	42.7288E	1882	
Wadi Mousa	WMSJ	Jordan	30.3250N	35.4650E	965	From 2001-01-01
Wadi Sarin	WSAR	Oman	23.2390N	58.6307E	326	
Wadsworth	WAD	Nevada,U.S.A.	39.6878N	119.2880W	1262	
Waduk Cacaban	CTJI	Jawa,Indonesia	7.0075S	109.1836E	104	
Wagenman Farm, Cando	B29A	North Dakota,U.S.A.	48.4649N	99.3535W	460	From 2009-08-21 to 2011-07-19
Wager Bay	WAGN	Northwest Territories,Canada	65.8792N	89.4445W	0	From 2006-08-20
Wagin	WA2	Western Australia,Australia	33.2767S	117.3370E	300	From 1973-06-09
Wagner Farm, Oakesdale	D10A	Washington,U.S.A.	47.0547N	117.2759W	775	From 2006-09-23 to 2008-06-19
Wagon Wheel Ranch, Midkiff	329A	Texas,U.S.A.	31.4870N	101.9808W	842	From 2009-02-08 to 2010-12-10
Wahat al Ahsa'	HASS	Saudi Arabia	25.1899N	49.6944E	200	
Wahat Dakhilah	HDK2	Egypt	24.3195N	28.9546E	380	
Wahat Farafirah	HFRF	Egypt	27.1484N	28.3105E	135	
Wahaula	WHA	Hawaii,U.S.A.	19.3317N	155.0490W	29	
Wahet Paris	APRS	Egypt	24.3718N	30.7126E	185	
Wahianoa	WNVZ	North Island,New Zealand	39.3270S	175.5979E	1566	From 2004-04-15
Wahluke	WAH	Washington,U.S.A.	46.7520N	119.5780W	231	From 1970-07-01
Wahluke Slope	WAH2	Washington,U.S.A.	46.7553N	119.5657W	244	
Wahnapitae	E50A	Ontario,Canada	46.4232N	80.7378W	242	From 2012-11-01
Wahnbachtalsperre	WBS	Nordrhein-Westfalen,Germany	50.8061N	7.2831E	130	From 1990-11-01
Wahner Farm, Parshall	C26A	North Dakota,U.S.A.	47.8259N	102.0957W	656	From 2009-07-26 to 2011-06-09
Wahoo	WHNE	Nebraska,U.S.A.	41.2362N	96.6525W	381	
Wah Wah Mountains	WW-UT	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Wah Wah Mts	WW-	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Waiatarua	WTAZ	North Island,New Zealand	36.9324S	174.5734E	340	From 1995-01-10
Waiheke Island	WIAZ	North Island,New Zealand	36.7930S	175.1339E	191	From 2010-07-27
Waihua	WHHZ	North Island,New Zealand	39.0768S	177.2344E	261	From 2009-06-30
Waikabubak, Sumba	WBSI	Sumba,Indonesia	9.6411S	119.3911E	456	From 2008-12-01
Waikii	WKH	Hawaii,U.S.A.	19.8597N	155.6600W	1433	
Waimanalo Ridge	WMR	Hawaii,U.S.A.	21.3203N	157.6823W	200	
Waimangu	WGZ	North Island,New Zealand	38.2862S	176.3872E	440	From 1980-08-20 to 1983-12-15
Waingapu	WSI	Sumba,Indonesia	9.6689S	120.2976E	48	
Wainui Dam	WDW	North Island,New Zealand	41.2670S	174.9939E	130	From 1976-12-07 to 1992-07-31
Waiomatatini Station	WMGZ	North Island,New Zealand	37.8191S	178.4149E	129	From 2009-12-10
Waipapa Point	WPZ	South Island,New Zealand	46.6587S	168.8498E	15	From 1966-11-18 to 1976-09-21
Waipu Caves	WCZ	North Island,New Zealand	35.9388S	174.3450E	108	From 1990-10-13
Waipukurau	WPHZ	New Zealand	40.0643S	176.4406E	350	From 2006-10-19
Wairakei	WNZ	North Island,New Zealand	38.6295S	176.1030E	350	From 1962-08-01 to 1985-09-27
Wairara	WATZ	North Island,New Zealand	38.7079S	175.7332E	560	From 1996-08-17
Wairiri	WAI	South Island,New Zealand	43.4950S	171.8684E	400	From 1947-03-01 to 1948-03-31
Waitaha Valley	WVZ	South Island,New Zealand	43.0743S	170.7368E	91	From 1990-05-16
Wajiki	WKJ	Tokushima,Japan	33.8598N	134.5147E	100	
Wa jima	WAJ	Ishikawa,Japan	37.3900N	136.8980E	7	
Wakamiya	WMY	Kochi,Japan	33.6421N	133.6750E	230	From 1967-04-01 to 1999-08-25
Wakanui South Island, New Zealand	WACZ	South Island,New Zealand	43.9425S	171.8391E	97	From 2013-04-08
Wakarara	WAHZ	North Island,New Zealand	39.6974S	176.3555E	657	From 1987-03-19 to 2000-12-05
Wakaura	WKU	Wakayama,Japan	34.1879N	135.1730E	10	From 1953-10-01 to 1978-08-26
Wakayama	WKME	Wakayama,Japan	34.1909N	135.1673E	5	
Wakayama	WKY	Wakayama,Japan	34.2267N	135.1670E	14	
Wakayama 2	WKYJ	Wakayama,Japan	34.2190N	135.5925E	795	
Wakayamakushimoto	JWKM	Wakayama,Japan	33.4498N	135.7573E	68	From 2012-07-01
Wake	WKE	Wake Island,U.S.A.	19.3150N	166.6270E	5	From 1956-01-01 to 1969-12-31
Wakefield	E40A	Michigan,U.S.A.	46.4446N	89.8991W	472	From 2011-09-09 to 2013-06-08
Wake Island	WAKE	Wake Island,U.S.A.	19.2833N	166.6536E	0	
WAKE ISLAND Hydroacoustic Site N1	H11N1	Wake Island,U.S.A.	19.7136N	166.8911E	-2149	From 2010-01-24
WAKE ISLAND Hydroacoustic Site N2	H11N2	Wake Island,U.S.A.	19.7311N	166.8968E	-2148	From 2010-02-19
WAKE ISLAND Hydroacoustic Site N3	H11N3	Wake Island,U.S.A.	19.7179N	166.9099E	-2162	From 2010-02-19
WAKE ISLAND Hydroacoustic Site S1	H11S1	Wake Island,U.S.A.	18.5083N	166.7003E	-1929	From 2010-01-24
WAKE ISLAND Hydroacoustic Site S2	H11S2	Wake Island,U.S.A.	18.4905N	166.7054E	-1939	From 2010-02-19
WAKE ISLAND Hydroacoustic Site S3	H11S3	Wake Island,U.S.A.	18.4949N	166.6873E	-1872	From 2010-02-19
Wakkake-Misaki	JWK	Soya,Japan	45.4168N	141.6732E	90	
Wakkanai	WAKJ	Soya,Japan	45.4133N	141.6833E	11	
Wakkanai	WAK	Soya,Japan	45.4167N	141.6730E	90	
Wala	WALJ	Jordan	31.5620N	35.8110E	53	
Walderalm	WATA	Austria	47.3357N	11.5763E	1492	From 1989-10-01
Waldron Ledge	WLG	Hawaii,U.S.A.	19.4248N	155.2620W	1067	From 1971-09-01 to 2000-11-09
Walferdange	WLF	Luxembourg	49.6646N	6.1526E	295	
Walker	WAKR	Nevada,U.S.A.	38.5044N	119.4372W	1890	
Walker Mountain	WMV	Virginia,U.S.A.	37.1085N	80.9705W	1157	
Walker Mountain	VWMM	Oregon,U.S.A.	43.3050N	121.7160W	2158	
Walker Pass	WWPM	California,U.S.A.	35.7355N	118.0870W	1151	
Walker Ridge	WKC	California,U.S.A.	40.3933N	124.2880W	225	From 1973-01-01 to 1980-11-05
Walker Ridge	WKC2	California,U.S.A.	40.3892N	124.2960W	226	From 1980-11-05
Walker Ridge	GWKM	California,U.S.A.	39.0520N	122.4910W	841	
Walkerton	BWLO	Ontario,Canada	44.1174N	81.1382W	228	From 2007-08-01
Wallace	WAL	Idaho,U.S.A.	47.4600N	115.9650W		
Wallace	G43A	Michigan,U.S.A.	45.2572N	87.6861W	213	From 2011-09-12 to 2013-06-11
Wallace Dam	WDG	Georgia,U.S.A.	33.3440N	83.1752W	177	From 1978-02-01
Walla Walla High School ANSS SMO	WWHS	Washington,U.S.A.	46.0453N	118.3183W	10	From 2003-09-24
Wallersheim-Loch	LOH	Rheinland-Pfalz,Germany	50.1825N	6.5356E	580	From 2006-12-01
Wallhausen, DE	WALHA	Switzerland	47.7530N	9.1230E	385	From 2013-07-18
Wallila Gap	WGW	Washington,U.S.A.	46.0447N	118.9330W	162	From 1971-10-01
Wall Ranch, Gause	436A	Texas,U.S.A.	30.7702N	96.7960W	109	From 2010-01-27 to 2011-11-08
Walls	WALU	Shetland Islands,United Kingdom	60.2576N	1.6133W	170	
Walls	WAL1	Shetland Islands,United Kingdom	60.2564N	1.6173W	167	From 1980-01-01
Wallula Gap	WG3	Washington,U.S.A.	46.0286N	118.8570W	480	From 1990-01-01
Wallula Gap	WG2	Washington,U.S.A.	46.0306N	118.8560W	511	From 1987-04-01
Wally Ulrich	WUWY	Wyoming,U.S.A.	43.5394N	110.7429W	1965	
Walnut Farm, Randolph	P34A	Kansas,U.S.A.	39.5471N	96.8268W	429	From 2010-05-27 to 2012-03-16
Walnut Grove	WGAR	Arkansas,U.S.A.	35.8530N	90.1910W	72	
Walnut Ridge	WR-	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walnut Ridge	WR-AR	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walsh	T28A	Colorado,U.S.A.	37.1204N	102.1136W	1148	From 2008-12-16 to 2010-11-08
Walters Elk Ranch, Riggins	G11A	Idaho,U.S.A.	45.3997N	116.2680W	1343	From 2006-11-08 to 2008-07-14
Waltham Township, Utica	M43A	Illinois,U.S.A.	41.4365N	88.9581W	190	From 2011-10-25
Walton	L59A	New York,U.S.A.	42.1902N	75.0426W	677	From 2013-09-03
Waltonville	R44A	Illinois,U.S.A.	38.2475N	89.0809W	144	From 2011-05-21 to 2013-04-29
Wambrook	WAM	New South Wales,Australia	36.1928S	148.8830E	200	From 1957-01-01
Wamena	WAMI	Irian Jaya,Indonesia	3.8847S	138.7114E	0	
Wamic	G05A	Oregon,U.S.A.	45.2422N	121.3167W	594	From 2005-11-03 to 2008-03-27
Wamic, OR	G05D	Oregon,U.S.A.	45.2422N	121.3167W	592	From 2009-10-22
Wamsutter	L20A	Wyoming,U.S.A.	42.0073N	108.3398W	2028	From 2007-10-26 to 2009-10-16
Wanagama	UGM	Jawa,Indonesia	7.9125S	110.5231E	350	From 1995-08-20
Wanaka	WKZ	South Island,New Zealand	44.8270S	169.0176E	558	From 2004-06-03
Wando	KSWAN	Republic of Korea	34.3890N	126.7023E	34	From 1999-04-07
Wanganui	WLFZ	North Island,New Zealand	39.9917S	175.0963E	30	From 1982-10-14 to 1982-10-24
Wanganui	WAZ	North Island,New Zealand	39.7546S	174.9856E	382	From 2003-07-18
Wang Home	KHVB	British Columbia,Canada	48.5688N	123.4663W	39	From 2003-02-28
Wanliss Street	WAN	New Britain,Papua New Guinea	4.1943S	152.1760E	25	From 1967-01-01
Wann	WNN	Nebraska,U.S.A.	41.1897N	96.2661W	387	
Wanoga Butte	VWBM	Oregon,U.S.A.	43.9137N	121.5550W	1736	
Wapiti River	WAPA	Alberta,Canada	55.1833N	119.2536W	784	From 2009-10-20
Warakurna	WRKA	Western Australia,Australia	25.0371S	128.2962E	622	From 2009-04-26
Warangal	WGL	Andhra Pradesh,India	17.9850N	79.5300E	280	From 1975-01-01
Warburton	WBN	Western Australia,Australia	26.1400S	126.5780E	457	From 1978-06-27 to 1987-06-28
Warburton	WARB	Western Australia,Australia	26.1838S	126.6430E	460	From 1987-06-28 to 1998-12-31
Wardell	WADM	Missouri,U.S.A.	36.3661N	89.7959W	78	
Warden	WRD	Washington,U.S.A.	46.8033N	119.1448W	375	From 1970-07-01
Wardlaw	BWH	Scotland,United Kingdom	55.1758N	3.6549W	269	
Ward Pound Ridge	WPR	New York,U.S.A.	41.2547N	73.5857W	152	From 1971-03-01 to 1981-12-31
Wards Creek	WCNB	New Brunswick,Canada	45.6459N	65.5097W	128	From 2013-09-06

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Warideh	WRDH	Syria	35.5079N 36.4120E	730	From 1995-04-01
Waris	WAA	Papua New Guinea	4.1167S 145.1000E	48	
Warland Creek	WCM	Montana,U.S.A.	48.4583N 115.1030W	1704	From 1971-02-01 to 1974-07-11
Warmenhuizen	WMH4	Netherlands	52.7096N 4.7498E	-201	From 1995-04-21
Warmenhuizen	WMH2	Netherlands	52.7096N 4.7498E	-101	From 1995-04-21
Warmenhuizen	WMH3	Netherlands	52.7096N 4.7498E	-151	From 1995-04-21
Warmenhuizen	WMH	Netherlands	52.7108N 4.7498E	-1	
Warmenhuizen	WMH1	Netherlands	52.7096N 4.7498E	-51	From 1995-04-21
Warmifontaine	WRM	Belgium	49.8333N 5.3806E	242	
Warminster	SWK	England,United Kingdom	51.1483N 2.2471W	266	
Warm Springs	R10A	Nevada,U.S.A.	38.2886N 116.3021W	1600	From 2006-06-09 to 2008-09-11
Warm Springs	WSP	California,U.S.A.	34.5962N 118.5790W	1219	
Warm Springs	WSN	Nevada,U.S.A.	38.3833N 116.1920W	1768	From 1965-01-01 to 1970-12-31
Warm Springs	WZ-NV	Nevada,U.S.A.	38.0628N 116.4397W	2073	
Warm Springs Repeater	WSR	Nevada,U.S.A.	38.1914N 116.3990W	1890	From 1965-01-01 to 1970-12-31
Warragamba	WGBM	New South Wales,Australia	33.8661S 150.5751E	254	
Warragamba Dam	WDBM	New South Wales,Australia	33.8850S 150.5940E	30	
Warramunga Ar.	WB1	Northern Territory,Australia	19.9595S 134.3460E	422	
Warramunga Array	WCB	Northern Territory,Australia	19.9347S 134.3570E	366	From 1965-10-01
Warramunga Array	WRB	Northern Territory,Australia	19.9594S 134.3464E	393	From 1965-10-01
Warramunga Array Beam Reference Point	WRA	Northern Territory,Australia	19.9426S 134.3390E	419	From 1965-10-01
Warramunga Array Site B0	WB0	Northern Territory,Australia	19.7671S 134.3930E	392	
Warramunga Array Site B2	WB2	Northern Territory,Australia	19.9428S 134.3511E	388	From 1965-10-01
Warramunga Array Site B3	WB3	Northern Territory,Australia	19.9230S 134.3555E	384	From 1965-10-01
Warramunga Array Site B4	WB4	Northern Territory,Australia	19.9036S 134.3589E	380	From 1965-10-01
Warramunga Array Site B5	WB5	Northern Territory,Australia	19.8782S 134.3662E	370	From 1965-10-01
Warramunga Array Site B6	WB6	Northern Territory,Australia	19.8550S 134.3670E	396	From 1965-10-01
Warramunga Array Site B7	WB7	Northern Territory,Australia	19.8408S 134.3794E	353	From 1965-10-01
Warramunga Array Site B8	WB8	Northern Territory,Australia	19.8139S 134.3808E	356	From 1965-10-01
Warramunga Array Site B9	WB9	Northern Territory,Australia	19.7914S 134.3840E	391	From 1965-10-01
Warramunga Array Site C1	WC1	Northern Territory,Australia	19.9243S 134.3391E	392	
Warramunga Array Site C2	WC2	Northern Territory,Australia	19.9254S 134.3654E	375	
Warramunga Array Site C3	WC3	Northern Territory,Australia	19.9587S 134.3719E	382	
Warramunga Array Site C4	WC4	Northern Territory,Australia	19.9619S 134.3397E	387	
Warramunga Array Site R0	WR0	Northern Territory,Australia	19.9597S 134.5405E	353	
Warramunga Array Site R1	WR1	Northern Territory,Australia	19.9426S 134.3395E	388	
Warramunga Array Site R2	WR2	Northern Territory,Australia	19.9469S 134.3624E	385	From 1965-10-01
Warramunga Array Site R3	WR3	Northern Territory,Australia	19.9485S 134.3869E	376	From 1965-10-01
Warramunga Array Site R4	WR4	Northern Territory,Australia	19.9503S 134.4066E	374	From 1965-10-01
Warramunga Array Site R5	WR5	Northern Territory,Australia	19.9522S 134.4304E	364	From 1965-10-01
Warramunga Array Site R6	WR6	Northern Territory,Australia	19.9543S 134.4540E	382	From 1965-10-01
Warramunga Array Site R7	WR7	Northern Territory,Australia	19.9552S 134.4760E	382	From 1965-10-01
Warramunga Array Site R8	WR8	Northern Territory,Australia	19.9557S 134.5000E	400	From 1965-10-01
Warramunga Array Site R9	WR9	Northern Territory,Australia	19.9577S 134.5150E	383	From 1965-10-01
WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	WRAI	Northern Territory,Australia	19.9348S 134.3295E	386	From 2000-05-12
Warramunga Infrasound Array Beam Ref. Pt.	WRAI	Northern Territory,Australia	19.9402S 134.2260E	401	
Warren Harvey, Newton	Q45A	Illinois,U.S.A.	38.8948N 88.1565W	162	From 2011-11-19
Warroad	A33A	Minnesota,U.S.A.	48.9371N 95.3904W	329	From 2010-09-28 to 2012-09-07
Warsak Dam	WRS	Pakistan	34.1500N 71.4167E	343	
Warsaw	WAR	Poland	52.2417N 21.0236E	110	From 1939-01-01 to 2008-10-10
Wartburg	WT-	Tennessee,U.S.A.	36.1097N 84.7578W	427	From 1963-04-12 to 1963-07-31
Wartburg	WT-TN	Tennessee,U.S.A.	36.1097N 84.7578W	427	From 1963-04-12 to 1963-07-31
Warwick	F60A	Quebec,Canada	45.9688N 71.9514W	229	From 2013-08-07
Warwick Parish	PSBMU	Bermuda	32.2780N 64.7930W	35	
Wasel	WASL	Saudi Arabia	29.1880N 34.9060E		From 1993-07-01 to 1999-08-25
Washetta, Montalba	237A	Texas,U.S.A.	32.0015N 95.8084W	126	From 2010-02-20 to 2012-01-20
Washington	WAS	District of Columbia,U.S.A.	38.8925N 77.0331W	0	From 1909-01-01 to 1969-12-31
Washington City	WCO	Utah,U.S.A.	37.1387N 113.5094W	878	From 2008-05-30
Washington Fields	REUT	Utah,U.S.A.	37.0976N 113.5193W	791	From 2008-06-27
Washington Hill	WSH	Nevada,U.S.A.	39.4538N 119.6447W	1762	
Washington--Naval Research Laboratory	NRL	District of Columbia,U.S.A.	38.8333N 77.0833W		From 1953-01-01 to 1972-12-31
Washington Science Center	WSC	Maryland,U.S.A.	39.0505N 77.1237W	120	From 1965-01-01 to 1972-12-31
Washoe City	WCN	Nevada,U.S.A.	39.3104N 119.7590W	1658	From 1972-08-12 to 2010-11-10
Wassenberg	RWB	Nordrhein-Westfalen,Germany	51.1018N 6.1550E	45	From 2003-04-01
Water	H2OWA	Washington,U.S.A.	46.3958N 119.4230W	158	
Waterbury	VT1	Vermont,U.S.A.	44.3317N 72.7536W	410	
Waterdown	RD02	Ontario,Canada	43.3154N 79.8768W	104	
Waterproof	243A	Louisiana,U.S.A.	31.8803N 91.4827W	2	From 2011-02-19 to 2012-11-30
Waterton	WTC	Colorado,U.S.A.	39.5143N 105.1380W	1987	From 1973-01-01 to 1976-11-30
Waterton Lakes	WALA	Alberta,Canada	49.0586N 113.9120W	1400	From 1992-05-15
Water View	S60A	Virginia,U.S.A.	37.7055N 76.6535W	36	From 2013-04-15
Waterville	WTVE	New York,U.S.A.	42.9460N 75.3272W	426	
Waterville	WTR	Maine,U.S.A.	44.6483N 69.6556W	79	From 1951-10-01
Waterville	WVL	Maine,U.S.A.	44.5648N 69.6575W	85	
Waterville	C07A	Washington,U.S.A.	47.6902N 120.0613W	863	From 2006-09-19 to 2008-05-16
Waterville	WTV	Washington,U.S.A.	47.6986N 119.9540W	900	
Waterways	WS-AT	Alberta,Canada	56.6594N 111.2686W	366	From 1965-10-14 to 1965-11-15
Waterways	WS-	Alberta,Canada	56.6594N 111.2686W	366	From 1965-10-14 to 1965-11-15
Watheroo	WAT	Western Australia,Australia	30.3167S 115.8830E		From 1958-01-01 to 1959-12-31
Watkins	G35A	Minnesota,U.S.A.	45.2199N 94.4855W	361	From 2010-09-15 to 2012-07-27
Watom Island	EWT	New Britain,Papua New Guinea	4.1150S 152.0880E	30	
Watseka	WQ-IL	Illinois,U.S.A.	40.8656N 87.5864W	198	
Watson	WA-OK	Oklahoma,U.S.A.	34.4417N 94.4911W	305	From 1962-10-17 to 1962-10-27
Watson	WA-	Oklahoma,U.S.A.	34.4417N 94.4911W	305	From 1962-10-17 to 1962-10-27
Watson Lake	WALK	Missouri,U.S.A.	36.5394N 89.5423W	87	
Watson Lake	WL-YK	Yukon Territory,Canada	60.1167N 128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake	WL-	Yukon Territory,Canada	60.1167N 128.7644W	716	From 1965-10-16 to 1965-11-15
Wattenberg	WTTA	Austria	47.2638N 11.6363E	1764	From 1991-02-09
Wattenberg Ranch, Walden	N22A	Colorado,U.S.A.	40.8023N 106.4544W	2472	From 2007-11-27 to 2010-06-11
Watts Point	WPB	British Columbia,Canada	49.6570N 123.2100W	273	From 1983-01-20
Watts, South Gate	WTT2	California,U.S.A.	33.9487N 118.2554W	33	
Wau	WAU	Papua New Guinea	7.3456S 146.7165E	1083	From 1996-05-09
Waubonsee CC	WCIL	Illinois,U.S.A.	41.7961N 88.4590W	214	
Wauchula	958A	Florida,U.S.A.	27.5855N 81.7543W	30	From 2012-03-07
Wavell State High School	AUWSH	Queensland,Australia	27.4000S 153.0400E	60	From 2011-06-24
Waverly	WVT	Tennessee,U.S.A.	36.1297N 87.8300W	170	From 2011-01-23
Waverly Hall	152A	Georgia,U.S.A.	32.6686N 84.7188W	214	From 2012-04-03
Waxell Ridge	WAX	Alaska,U.S.A.	60.4500N 142.8520W	975	From 1975-08-22
Waymart	M59A	Pennsylvania,U.S.A.	41.5413N 75.4321W	471	From 2013-06-12
Waynesburg	WAY	Pennsylvania,U.S.A.	39.9017N 80.1850W	329	From 1956-06-01 to 1964-12-31
Weather Observatory	WOB	Hawaii,U.S.A.	19.5385N 155.5830W	3396	
Weaver Farm	KWE	England,United Kingdom	53.0166N 1.8435W	320	From 1988-01-01
Weber Canyon	WBC	Utah,U.S.A.	41.1397N 111.9008W	1602	
Webster	G32A	South Dakota,U.S.A.	45.2555N 97.4994W	566	From 2010-09-01 to 2012-07-28
Webster	M39A	Iowa,U.S.A.	41.4786N 92.1725W	264	From 2011-06-16 to 2013-05-12
Wedel Dairy, Riceville	J38A	Iowa,U.S.A.	43.3190N 92.4755W	371	From 2010-10-11 to 2012-09-14
Wegel	WGLY	New York,U.S.A.	41.3589N 73.8994W	152	
Weija	WEGH	Ghana	5.5933N 0.3269W	180	From 1987-01-01
Weil am Rhein	WEIL	Baden-Wurttemberg,Germany	47.5930N 7.6007E	246	From 2000-11-16
Weingarten	WEIN	Switzerland	47.5287N 8.9859E	555	From 2003-08-29
Weissweiler	BA03	Nordrhein-Westfalen,Germany	50.8379N 6.3866E	120	From 2006-10-01
Welcome	WEO	Ontario,Canada	44.0187N 78.3743W	149	From 1982-04-30
Welkom	WKM	Orange Free State,South Africa	28.0050S 26.7617E	1340	
Wellesley Island	WLI	New York,U.S.A.	44.3090N 76.0098W	90	From 1974-08-01 to 1976-08-16
Wellington	WEL	North Island,New Zealand	41.2840S 174.7682E	138	From 1884-02-01
Wells	M12A	Nevada,U.S.A.	41.4157N 114.9151W	1930	From 2006-05-05 to 2008-08-09
Wellsville	WVUT	Utah,U.S.A.	41.6102N 111.9590W	1828	From 1979-08-01
Welschbruch	WLS	Alsace,France	48.4133N 7.3533E	775	From 1963-01-01
Wemindji, Quebec	WEMQ	Quebec,Canada	53.0535N 77.9737W	172	From 2005-06-23
Wenas	WNS	Washington,U.S.A.	46.7103N 120.5750W	1000	
Wenatchee	WNW	Washington,U.S.A.	47.5295N 120.1940W	1061	From 1975-06-01
Wenatchee	WEN	Washington,U.S.A.	47.5295N 120.1940W	1061	
Wenatchee Ridge	WRW	Washington,U.S.A.	47.8572N 120.8811W	1189	
Wendo Genet	WNDE	Ethiopia	7.0979N 38.6349E	1841	
Wendover, West Wendover	N13A	Nevada,U.S.A.	40.8556N 114.2045W	1385	From 2006-05-19 to 2008-08-20
Wente Vineyards, Livermore	WENL	California,U.S.A.	37.6221N 121.7570W	138	From 1998-07-15
Weppner Ranch, Escalante	S16A	Utah,U.S.A.	37.7222N 111.5961W	1785	From 2007-08-01 to 2009-03-12
Werda	WERD	Sachsen,Germany	50.4476N 12.3064E	589	From 2001-06-13
Werner Place, Edgewood	W23A	New Mexico,U.S.A.	35.1605N 106.1503W	2020	From 2008-04-20 to 2010-03-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wernitzgruen	WERN	Sachsen,Germany	50.2874N	12.3761E	672	From 2000-08-02
Werombi	WER	New South Wales,Australia	33.9503S	150.5803E	226	From 1959-01-01
Wesley	DWS	Dominica	15.5685N	61.3113W	61	
Wesleyville	WLVO	Ontario,Canada	43.9236N	78.3970W	70	From 1990-11-07
Wesser Bold	WSSR	North Carolina,U.S.A.	35.2778N	83.5780W	1390	From 1985-11-01 to 2008-02-13
West Acre	WACR	England,United Kingdom	52.7247N	0.6267E	66	From 2011-07-19
West Alisa	AWAL	Egypt	23.3792N	32.5825E		
West Arenal	WARN	Costa Rica	10.4620N	84.7208W	580	
West Ashley	WSS	South Carolina,U.S.A.	32.8468N	80.2717W	9	From 1983-01-01
West Bay, Grand Cayman	WBCY	Cayman Islands	19.3767N	81.3975W	1	From 2011-01-01
Westboro	WGMA	Massachusetts,U.S.A.	42.2890N	71.5850W	130	
West Boundary	YPWB	Montana,U.S.A.	44.6058N	111.1008W	2310	
West Bromwich	WBE	England,United Kingdom	52.5333N	2.0000W	156	
Westbrook Farm, Meadville	344A	Mississippi,U.S.A.	31.4527N	90.7318W	78	From 2011-03-16 to 2012-12-14
West Butte Ranch, Sweetgrass	A16A	Montana,U.S.A.	48.9482N	111.5968W	1394	From 2007-09-16 to 2009-08-11
Westby	A24A	North Dakota,U.S.A.	48.9239N	104.0018W	677	From 2008-09-12 to 2010-07-14
Westby DABS, Erhard	E33A	Minnesota,U.S.A.	46.5035N	96.0054W	428	From 2010-08-20 to 2012-06-24
West Carthage	WCNY	New York,U.S.A.	43.9810N	75.6549W	245	From 2007-06-27
Westchester CC	WCCN	New York,U.S.A.	41.0684N	73.7914W	144	
Westchester Community College	WCC	New York,U.S.A.	41.0585N	73.7918W	100	From 1987-01-01 to 2006-05-18
West Chester University of Pennsylvania, USA	WUPA	Pennsylvania,U.S.A.	39.9324N	75.6060W	86	From 2014-07-01
West corner E0890 Road	OK024	Oklahoma,U.S.A.	35.7251N	97.0579W	302	
Westdahl Beartrack Creek	WEBT	Aleutian Islands, Alaska,U.S.A.	54.5911N	164.7530W	467	From 2009-01-01
Westdahl Cape Sarichef	WECS	Aleutian Islands, Alaska,U.S.A.	54.5309N	164.7776W	642	From 2009-01-01
West Dahl East	WESE	Alaska,U.S.A.	54.4726N	164.5863W	930	
West Dahl North	WESN	Alaska,U.S.A.	54.5685N	164.5833W	549	
Westdahl Peak	WESP	Aleutian Islands, Alaska,U.S.A.	54.4930N	164.7213W	937	From 2009-01-01
West Dahl South	WESS	Alaska,U.S.A.	54.4794N	164.7226W	908	
West Decatur	N56A	Pennsylvania,U.S.A.	40.9171N	78.2953W	561	From 2013-05-21
Western Deep Levels Mine	WDLM	South Africa	26.4238S	27.4222E	1680	From 2009-12-08
Western Traverse Mountains	WTU	Utah,U.S.A.	40.4548N	111.9530W	1579	From 1992-06-09
Westfeld	WESF	Thuringen,Germany	50.5375N	11.2123E	744	From 2012-07-12
Westford	WFM	Massachusetts,U.S.A.	42.6106N	71.4906W	88	From 1976-05-01
West Island	COCO	Cocos Islands,Australia	12.1901S	96.8349E	-69	
West Kalabsha	AWKL	Egypt	23.4252N	32.4470E		
West Kanaga	AT1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1975-01-01 to 1976-10-31
West Kanaga	AK1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1976-10-01 to 1992-02-01
Westland Maintenance Station	PWMM	California,U.S.A.	36.4328N	120.2110W	72	
West Mesa	WMA	New Mexico,U.S.A.	35.0722N	106.8560W	1804	
West Middle School	WMS	South Carolina,U.S.A.	33.4258N	80.7408W	34	
West Mington	ST13A	Xizang Zizhiqu,China	31.7262N	89.7031E	4596	From 1998-08-06 to 1999-05-09
West Monroe	WMNY	New York,U.S.A.	43.3560N	76.0313W	158	
Westmoorings	TWMO	Trinidad and Tobago	10.6700N	61.5600W	0	
Westmoreland	WEST	New York,U.S.A.	43.1635N	75.4800W	167	
Westmorland	WML	California,U.S.A.	33.0152N	115.6225W	-44	
West Mountain	WMU	Utah,U.S.A.	40.0883N	111.8230W	2053	From 1973-12-01 to 1981-08-31
West Mountain	WMUT	Utah,U.S.A.	40.0767N	111.8330W	1981	From 1981-07-01
West Nyswonger Mesa	PV20	Colorado,U.S.A.	38.3415N	108.9672W	1852	
West of Eustis	G62A	Maine,U.S.A.	45.2186N	70.5319W	426	From 2013-09-20
West of Nyma	STW1	Xizang Zizhiqu,China	32.0923N	88.3062E	4614	From 1998-08-02 to 1999-06-01
Weston	WES	Massachusetts,U.S.A.	42.3847N	71.3221W	60	From 1930-12-01
West Palm Beach	060Z	Florida,U.S.A.	26.4062N	80.5560W	9	From 2012-05-13
West Park	WPNY	New York,U.S.A.	41.8030N	73.9707W	76	From 1978-05-22 to 1986-09-30
West Pit	WPH	Hawaii,U.S.A.	19.4117N	155.2920W	1115	From 1962-10-31 to 1999-08-25
Westpoint	W47A	Tennessee,U.S.A.	35.2511N	87.5946W	293	From 2012-01-23
Westport, CT	WSPT	Connecticut,U.S.A.	41.1700N	73.3300W	50	From 2008-06-19
West Portland	WPO	Oregon,U.S.A.	45.5733N	122.7900W	334	From 1986-10-01
Westray	OWE	Orkney Islands,United Kingdom	59.3180N	3.0289W	87	From 1995-09-21
West Rim	WRMHI	Hawaii,U.S.A.	19.4065N	155.3000W	1163	
West Salem	WSIL	Illinois,U.S.A.	38.4981N	88.0750W	15	
Westside ANR, Five Points	U05C	California,U.S.A.	36.3356N	120.1205W	92	From 2004-12-06 to 2007-12-06
Westside School	WESC	California,U.S.A.	32.7590N	115.7316W	-8	
West Thumb	WTW	Wyoming,U.S.A.	44.4145N	110.5710W	2365	From 1972-10-01 to 2004-03-05
West Tongariro	WTVZ	North Island,New Zealand	39.1153S	175.5897E	1186	From 2004-03-04
West Twin Lake	ST30	Xizang Zizhiqu,China	33.0291N	88.8545E	4955	From 1998-07-12 to 1999-06-05
West Valley	WVLY	New York,U.S.A.	42.4708N	78.5683W	600	From 1977-11-03 to 2002-12-20
West Valley, New York	WVNY	New York,U.S.A.	42.4062N	78.6042W	490	From 2010-08-05
West Yellowstone	YWY	Montana,U.S.A.	44.6058N	111.0970W	2292	From 1974-10-01 to 2004-03-05
Wether Hill Road	WHZ	South Island,New Zealand	45.8924S	167.9470E	345	From 1993-03-22
Wettswil, ZR	EWZT2	Switzerland	47.3373N	8.4932E	690	From 2009-08-29
Wettzell	WET	Bayern,Germany	49.1440N	12.8782E	613	From 1975-01-01
Wetumka	W36A	Oklahoma,U.S.A.	35.1393N	96.2264W	251	From 2010-04-13 to 2012-02-01
Wetzens (Niawier)	NIW1	Netherlands	53.3548N	6.0429E	24	From 2009-05-20
Wetzens (Niawier)	NIW3	Netherlands	53.3548N	6.0429E	-36	From 2009-05-20
Wetzens (Niawier)	NIW4	Netherlands	53.3548N	6.0429E	-66	From 2009-05-20
Wetzens (Niawier)	NIW2	Netherlands	53.3548N	6.0429E	-6	From 2009-05-20
Wewak	WEK	Papua New Guinea	3.4236S	143.6875E	10	From 1968-10-24 to 1969-02-28
Wewak	WEWK	Papua New Guinea	3.5846S	143.6444E	120	From 2013-06-28
Wewak	WWW	Papua New Guinea	3.5858S	143.6400E	100	From 1982-09-29 to 1999-08-25
Wewak	WEW	Papua New Guinea	3.5544S	143.6260E	10	From 1968-09-11
Wewakk	WWKK	Papua New Guinea	3.6230S	143.6240E	442	From 1992-05-26
Whakaora	WHTZ	North Island,New Zealand	38.6660S	175.9575E	822	From 1996-08-17
Whakapapa	WPVZ	North Island,New Zealand	39.2040S	175.5460E	1244	From 2003-12-10
Whakapapataringa	WPRZ	North Island,New Zealand	38.5196S	176.1624E	461	From 2010-03-24
Whakatane	WTZ	North Island,New Zealand	37.9829S	176.9885E	43	From 1971-06-02 to 1990-11-21
Whakatau	WHH	North Island,New Zealand	38.8827S	176.4952E	921	From 1987-03-02 to 1997-05-25
Whale Back Mountain	WMOR	Oregon,U.S.A.	42.9028N	122.5920W	1860	From 1991-09-01
Whale Island	WHRZ	North Island,New Zealand	37.8557S	176.9748E	375	From 2011-06-27
Whangaehu Hut	WHVZ	North Island,New Zealand	39.2825S	175.5886E	2050	From 2009-03-25
Wharram Farm, Highwood	C17A	Montana,U.S.A.	47.6327N	110.7626W	1080	From 2007-09-01 to 2009-09-06
Wheatland	L24A	Wyoming,U.S.A.	42.0432N	104.9326W	1479	From 2008-07-13 to 2010-05-11
Wheeler Ranch, Garrison	Q13A	Utah,U.S.A.	38.9551N	114.0202W	1583	From 2007-03-02 to 2008-09-04
Wheeler Ridge	WERC	California,U.S.A.	35.0605N	119.0271W	130	From 2001-10-30 to 2004-07-09
Whigham	453A	Georgia,U.S.A.	30.8541N	84.3197W	82	From 2012-02-08
Whinburgh	AWH	England,United Kingdom	52.6300N	0.9511E	60	From 1980-05-01
Whinny Nab	LWH	England,United Kingdom	54.3335N	0.6714W	265	From 1991-01-01
Whipple	P53A	Ohio,U.S.A.	39.4868N	81.3896W	270	From 2012-08-27
Whipple Mountains 2	WH2	California,U.S.A.	34.3145N	114.4092W	1245	From 1974-10-01
Whiskey Butte	WBI	Idaho,U.S.A.	46.5826N	115.9790W	1341	From 1971-10-01 to 1976-01-14
Whiskeytown Dam	WDC	California,U.S.A.	40.5799N	122.5411W	268	From 1973-01-01
Whistler	WHB	British Columbia,Canada	50.1280N	122.9550W	695	
Whistler	WSLR	British Columbia,Canada	50.1265N	122.9212W	906	
Whitaker Ranch, Olney	Z33A	Texas,U.S.A.	33.2865N	98.7648W	362	From 2009-11-06 to 2011-09-11
White Bluff	WBL	Washington,U.S.A.	46.5983N	119.4590W		
White Castle	544A	Louisiana,U.S.A.	30.1100N	91.1612W	-2	From 2011-02-23 to 2013-02-02
Whiteface	WNH	New Hampshire,U.S.A.	43.8683N	71.3997W	220	From 1976-01-01
Whitefish	B13A	Montana,U.S.A.	48.3739N	114.4676W	933	From 2006-09-25 to 2009-08-07
White Fish Lake	WHFN	Northwest Territories,Canada	62.5592N	107.0865W	365	From 2008-07-10
Whitehall	WLZ	North Island,New Zealand	37.8394S	175.5880E	190	From 1989-10-30 to 1998-12-08
Whitehorse	WH-YK	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WHC	Yukon Territory,Canada	60.7367N	135.0980W	734	From 1971-09-01 to 1993-08-24
Whitehorse	WH2*	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WHY	Yukon Territory,Canada	60.6597N	134.8810W	1292	From 1993-08-27
Whitehorse	WH-	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WH2YK	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
White Island	WIZ	North Island,New Zealand	37.5265S	177.1894E	40	From 1976-12-12
White Island Summit, North Island, New Zealand	WSRZ	North Island,New Zealand	37.5181S	177.1778E	290	From 2013-04-08
White-Moore Ranch, Lipan	134A	Texas,U.S.A.	32.5729N	98.0795W	297	From 2009-11-16 to 2011-09-08
White Mountain Lookout Tower, Alberta	WTMTA	Alberta,Canada	55.6942N	119.2398W	1029	From 2014-07-30
White Mtn Res Sta-Crooked Creek, Bishop	S08C	California,U.S.A.	37.4993N	118.1711W	3087	From 2005-08-02 to 2007-10-03
White Oak	X56A	South Carolina,U.S.A.	34.4923N	81.0319W	112	From 2013-02-04
White Oak Lake	WLAR	Arkansas,U.S.A.	33.6875N	93.1120W	77	
White Oak Mountain	WMTN	Tennessee,U.S.A.	35.2480N	84.9732W	378	From 1985-07-24
White Pass	WPW	Washington,U.S.A.	46.6982N	121.5470W	1250	
White Pine	WPM	Michigan,U.S.A.	46.7515N	89.5549W	193	From 1973-01-01
White River	YUK2	Yukon Territory,Canada	61.7868N	140.8426W	1229	From 2010-08-28
White River	WTRB	British Columbia,Canada	50.1298N	126.0353W	353	From 2005-04-21
White River City	O20A	Colorado,U.S.A.	40.1348N	108.2416W	1915	From 2007-11-12
White River Glacier	WRG	Alaska,U.S.A.	60.0378N	142.0320W	550	From 1974-09-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
White Rock	WKB	British Columbia,Canada	49.0437N	122.8180W	110	
White Salmon	F05D	Washington,U.S.A.	45.8852N	121.4597W	472	From 2010-08-13
White Salmon	F05A	Washington,U.S.A.	45.8839N	121.4588W	454	From 2005-11-02 to 2008-01-26
Whitesboro	X38A	Oklahoma,U.S.A.	34.6692N	94.8288W	234	From 2010-06-09 to 2012-02-06
Whites Canyon	WTCR	Nevada,U.S.A.	39.3890N	119.8392W	1890	
White Tail Canyon, San Simon	219A	Arizona,U.S.A.	31.9989N	109.2592W	1581	From 2007-03-10 to 2009-01-19
Whitewater	WWR	California,U.S.A.	33.9918N	116.6560W	702	From 1975-01-01
Whiting	H66A	Maine,U.S.A.	44.7859N	67.3115W	55	From 2013-09-25
Whiting Field	WFF	Florida,U.S.A.	30.7083N	87.0167W		From 1949-01-01 to 1956-12-31
Whitney	WHI	Hawaii,U.S.A.	19.4317N	155.2620W	1210	From 1961-01-01 to 1963-02-01
Whyalla	WHYH	South Australia,Australia	33.0330S	137.5744E	43	From 2009-01-01
Wichita Mountains	WMOK	Oklahoma,U.S.A.	34.7379N	98.7810W	486	From 1992-09-30
Wichita Mountains Array	WMO	Oklahoma,U.S.A.	34.7182N	98.5891W	505	
Wickenburg	Y14A	Arizona,U.S.A.	33.9383N	113.0048W	730	From 2006-03-14 to 2010-05-28
Wied Dalam	WDD	Malta	35.8373N	14.5242E	44	From 1995-07-06
Wiedeman Farm, Cecilia	S48A	Kansas,U.S.A.	37.6574N	86.0569W	238	From 2011-12-08
Wiesbaden	GWBE	Hessen,Germany	50.1076N	8.1814E	271	From 2001-11-22
Wiest Lake	WLK	California,U.S.A.	33.0513N	115.4910W	-52	From 1973-04-16
Wiggins	O25A	Colorado,U.S.A.	40.1129N	104.1201W	1444	From 2008-07-03 to 2010-05-16
Wijnaldum	WYN3	Netherlands	53.1995N	5.4577E	-90	From 2010-03-04
Wijnaldum	WYN2	Netherlands	53.1995N	5.4577E	-60	From 2010-03-04
Wijnaldum	WYN1	Netherlands	53.1995N	5.4577E	-30	From 2010-03-04
Wijnaldum	WYN4	Netherlands	53.1995N	5.4577E	-120	From 2010-03-04
Wila	WILA	Switzerland	47.4147N	8.9075E	908	From 2000-01-12
Wilburton Instructional Services Center	WISC	Washington,U.S.A.	47.6089N	122.1744W	10	
Wildcat Mountain	WCT	Nevada,U.S.A.	36.7928N	116.6257W	977	From 1981-04-08
Wildenmoos	RWMO	Bayern,Germany	47.7440N	12.7300E	763	From 2001-04-09
Wildhorse	WLDR	Nevada,U.S.A.	38.8235N	118.5747W	1798	
Wild Horse	WHU	Utah,U.S.A.	39.3806N	112.1700W	1993	From 1974-10-01 to 1981-10-31
Wild Horse Canyon	WLD	Utah,U.S.A.	38.4603N	112.8640W	1804	
Wildhorse Creek, Mackay	I13A	Idaho,U.S.A.	43.9146N	114.1169W	2104	From 2007-01-10 to 2009-06-03
Wild Horse Parks	WHM	Montana,U.S.A.	46.7621N	113.1810W	1792	From 1974-09-06 to 1976-10-04
Wild Horse Valley	WVOR	Oregon,U.S.A.	42.4339N	118.6370W	1344	From 1994-06-01
Wildlife	WLJ	Utah,U.S.A.	40.6133N	111.3447W	2075	From 1992-11-04
Wilkes	WIL	Wilkes Land	66.2592S	110.5270E	10	From 1957-01-01 to 1966-12-23
Wilkes Camp	WIH	Hawaii,U.S.A.	19.4692N	155.5840W	4037	
Wilkinson Ranch, McDermitt	L09A	Nevada,U.S.A.	42.0192N	117.6667W	1430	From 2006-04-25 to 2008-04-02
Willalooka	WKA	South Australia,Australia	36.4170S	140.3210E	40	From 1979-03-01
Willamette Meridian	K02D	Oregon,U.S.A.	42.6955N	123.6654W	989	From 2010-08-05
Willards	R61A	Maryland,U.S.A.	38.3303N	75.3390W	76	From 2013-05-27
Williams	W15A	Arizona,U.S.A.	35.1787N	112.2666W	2034	From 2006-03-11 to 2008-11-08
Williams	WMZ	Arizona,U.S.A.	35.1581N	112.3200W	2018	From 1986-01-31
Williams	WM-AZ	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WM-	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williamsburg	WBO	Ontario,Canada	45.0003N	75.2750W	85	From 1980-12-09
Williams Family Ranch, Las Cruces	222A	New Mexico,U.S.A.	32.1046N	107.1013W	1324	From 2008-02-14 to 2010-01-17
Williams Farm, Concordia	P33A	Kansas,U.S.A.	39.4363N	97.6946W	488	From 2009-09-20 to 2011-08-23
Williams Lake	WK-	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Lake	WK-BC	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williamson	S53A	West Virginia,U.S.A.	37.6815N	82.1264W	564	From 2013-01-15
Williamson	Z52A	Georgia,U.S.A.	33.1893N	84.4176W	252	From 2012-04-11
Williamsport	P51A	Ohio,U.S.A.	39.4818N	83.0601W	211	From 2012-07-23
Williams Ranch	WRC	California,U.S.A.	35.2983N	118.6120W	430	From 1952-01-01 to 1953-12-31
Williamstown	K61A	Massachusetts,U.S.A.	42.6695N	73.2676W	391	From 2013-09-26
Williamstown	WLL	Massachusetts,U.S.A.	42.7142N	73.2111W	220	
Williamstown	J57A	New York,U.S.A.	43.4099N	75.9968W	191	From 2013-08-22
Williston	Z56A	South Carolina,U.S.A.	33.3253N	81.3687W	81	From 2013-02-20
Willow Creek	WICI	Idaho,U.S.A.	44.1750N	113.8870W	2088	
Willow Creek	WCU	Utah,U.S.A.	38.9647N	112.0907W	2673	From 1978-02-01
Willow Creek Ranch, Ely	Q12A	Nevada,U.S.A.	39.0400N	114.8299W	1625	From 2006-05-26 to 2008-09-04
Willow Grove Farm, Nelson	Q39A	Missouri,U.S.A.	39.0455N	92.9759W	225	From 2010-12-01 to 2012-09-28
Willow Gulch Bison Ranch, Deer Trail	P25A	Colorado,U.S.A.	39.5125N	104.1680W	1753	From 2008-06-10 to 2010-05-06
Willow Mountain	WLM	Alaska,U.S.A.	61.7736N	145.1980W	988	From 1972-02-24 to 1972-07-22
Willow Spring Farm, Andover	S34A	Kansas,U.S.A.	37.7009N	97.1111W	373	From 2010-03-17 to 2012-03-04
Wills Point	WP-TX	Texas,U.S.A.	32.6069N	95.8861W	161	
Willston	656A	Florida,U.S.A.	29.3689N	82.5348W	28	From 2012-02-16
Willung South	WILL	Victoria,Australia	38.3393S	146.7367E	425	
Willy Bob	ANWB	Barbuda,Antigua and Barbuda	17.6685N	61.7856W	39	
Wilmington	WNC	North Carolina,U.S.A.	34.0581N	78.2461W	20	From 1976-05-03
Wilmington	WNY	New York,U.S.A.	44.3910N	73.8595W	598	From 1971-10-01
Wilpena Pound	FR27	South Australia,Australia	31.5230S	138.6230E	534	From 2003-09-17
Wilshire Harrah	OK002	Oklahoma,U.S.A.	35.5493N	97.1966W	354	
Wilson	WLO	Oklahoma,U.S.A.	34.0648N	97.3697W	284	From 1977-04-25
Wilson Butte	WBW	Washington,U.S.A.	48.0178N	119.1370W	826	From 1975-06-01
Wilson Creek	WCK	Kentucky,U.S.A.	36.9340N	88.8740W	137	From 1974-07-19
Wilson Peak	WPI	Idaho,U.S.A.	43.2889N	116.7500W		
Wimauma	957A	Florida,U.S.A.	27.6702N	82.2357W	35	From 2012-02-18
WI Miller and Sons, Farmdale	M53A	Pennsylvania,U.S.A.	41.4393N	80.6750W	334	From 2013-01-14
Wimmelburg	WIMM	Sachsen-Anhalt,Germany	51.5210N	11.5050E	80	From 2008-07-16
Wimmis	WIMIS	Switzerland	46.6649N	7.6242E	770	From 2000-05-24
Winchester	P42A	Illinois,U.S.A.	39.5853N	90.3443W	197	From 2011-06-19 to 2013-04-14
Windham	WND	New York,U.S.A.	42.3373N	74.1525W	602	From 1976-10-08
Windhoek	WIN	Namibia	22.5667S	17.1000E	1728	From 1959-01-01
WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	K3E	Victoria Land	77.7315S	167.5874E	42	From 2001-12-02
Windom	WD-MN	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Windom	WD-	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Window Rock	V19A	Arizona,U.S.A.	35.7147N	109.0456W	2082	From 2007-05-10 to 2009-02-21
Windsor	WNR	Ontario,Canada	42.2583N	83.1056W	-122	From 1978-03-08 to 1979-04-30
Windswept, Luxemburg	H43A	Wisconsin,U.S.A.	44.4697N	87.7704W	274	From 2011-10-06 to 2013-11-27
Windy Craggy	WCBC	British Columbia,Canada	59.6278N	137.7160W	750	From 1988-06-10 to 1990-08-06
Windy Hill, Pittsboro	V58A	North Carolina,U.S.A.	35.7940N	79.1150W	127	From 2013-04-22
Windy Ridge, Mt. St. Helens	B202	Washington,U.S.A.	46.2447N	122.1367W	981	
Winespring Bald	WSNC	North Carolina,U.S.A.	35.1725N	83.5806W	1640	
Winneba	WIGH	Ghana	5.3636N	0.6189W	64	From 1987-01-01
Winnemucca	WMN	Nevada,U.S.A.	40.9800N	117.9200W	1524	From 1974-03-01 to 1975-07-31
Winnemucca	WI-NV	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca	WI-	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winner	WN-SD	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winner	WN-	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Wino	WINO	Tanzania,United Republic of Tanzania	9.7577S	35.3002E	1502	
Winona	Z45A	Mississippi,U.S.A.	33.3705N	89.6913W	113	From 2011-04-19 to 2013-02-04
Winslow	W17A	Arizona,U.S.A.	35.0789N	110.7127W	1461	From 2007-04-28 to 2009-02-04
Winslow	WO-AZ	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winslow	WO-	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winter Ranch, Mooreland	U32A	Oklahoma,U.S.A.	36.3795N	99.0014W	525	From 2009-10-24 to 2012-02-27
Winters	Q03C	California,U.S.A.	38.6333N	122.0145W	108	From 2005-06-28 to 2007-12-04
Wintersburg	Z14A	Arizona,U.S.A.	33.3627N	112.9458W	297	From 2006-03-16 to 2010-05-28
Winterswijk	NE40	Netherlands	51.9755N	6.7350E	37	
Winterswijk	WTS	Netherlands	51.9956N	6.8100E	43	From 1976-07-01 to 2005-05-27
Winterswijk	WTSB	Netherlands	51.9663N	6.7989E	43	
Winterthur Spital, ZH	SWIS	Switzerland	47.5064N	8.7300E	443	From 2015-02-23
Winthrop	B07A	Washington,U.S.A.	48.4607N	120.1197W	781	From 2006-09-15 to 2008-05-15
Wisdom	F14A	Montana,U.S.A.	45.8122N	113.3699W	1851	From 2006-10-19 to 2009-07-09
Wise	T53A	Virginia,U.S.A.	36.9823N	82.5350W	818	From 2013-01-18
Wishkah	WISH	Washington,U.S.A.	47.1172N	123.7699W	45	
Wishkah Elem. School, Wishkah	D03A	Washington,U.S.A.	47.1161N	123.7714W	31	From 2004-09-16 to 2008-02-13
Wister	WIS	California,U.S.A.	33.2760N	115.5930W	-68	
Witteveen	WIT	Netherlands	52.8133N	6.6683E	17	From 1982-07-01
Witteveen	NE04	Netherlands	52.8133N	6.6683E		From 1982-07-01
Witton	AWI1	England,United Kingdom	52.8319N	1.4471E	46	From 1983-01-01
Wittsburg Lake	WLA	Arkansas,U.S.A.	35.1860N	90.7160W	113	From 1979-08-02
Witts Springs	V40A	Arkansas,U.S.A.	35.8044N	92.8232W	570	From 2011-02-20 to 2012-11-05
Witu Islands	WITU	New Britain,Papua New Guinea	4.6925S	149.4890E	100	From 1983-11-24
Wivenhoe Hill 3	WWHQ	Queensland,Australia	27.3702S	152.5872E		From 1984-07-12
WK&E Inc. Balko	U30A	Oklahoma,U.S.A.	36.5304N	100.6509W	881	From 2009-04-06 to 2011-03-12
W Memph W Sta	HDAR	Tennessee,U.S.A.	35.1536N	90.0893W	0	
Wohlen bei Bern, Struchismoos, BE	WOLEN	Switzerland	46.9978N	7.3688E	489	From 2015-05-27
Wolcott	J56A	New York,U.S.A.	43.2760N	76.8579W	93	From 2013-08-18
Wolfeboro	WBNH	New Hampshire,U.S.A.	43.6040N	71.0990W	200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wolkenburger Bergbaurevier	ANNA	Thuringen,Germany	50.8840N	12.6437E	249	From 2014-03-25
Wollersheim	BA14	Nordrhein-Westfalen,Germany	50.6717N	6.5661E	239	From 2006-10-01
Wollman Farm, Schrag	D08A	Washington,U.S.A.	47.0573N	118.9210W	385	From 2006-08-29 to 2008-11-12
Wollongong Hard Rock	WOLH	New South Wales,Australia	34.4071S	150.8740E	77	From 2011-03-23
Wolsey	H31A	South Dakota,U.S.A.	44.4795N	98.4772W	415	From 2010-08-22 to 2012-06-07
Wolven Farm, McFall	O37A	Missouri,U.S.A.	40.1664N	94.1461W	284	From 2010-11-17 to 2012-09-24
Wolverton	WOL	England,United Kingdom	51.3127N	1.2228W	156	
Wolverton North	WON	England,United Kingdom	51.3275N	1.2008W	104	
Wonder Ranch	GWRM	California,U.S.A.	39.2072N	123.3000W	658	
Wongan Hills	WA1	Western Australia,Australia	30.9098S	116.7280E	260	From 1973-01-31 to 1973-05-19
Wonju	KSWON	Republic of Korea	37.3342N	127.9426E	149	From 1999-04-20
Wonju	KSWJU	Republic of Korea	37.4034N	128.0526E	385	From 2005-11-24
Wonju Array Beam Reference Point	KSAR	Republic of Korea	37.4421N	127.8844E	109	
Wonju Array Site 1	KS01	Republic of Korea	37.4766N	127.8940E	185	
Wonju Array Site 10	KS10	Republic of Korea	37.4961N	127.9302E	210	
Wonju Array Site 11	KS11	Republic of Korea	37.4808N	127.9535E	122	
Wonju Array Site 12	KS12	Republic of Korea	37.4644N	127.9427E	176	
Wonju Array Site 13	KS13	Republic of Korea	37.4458N	127.9302E	126	
Wonju Array Site 14	KS14	Republic of Korea	37.4336N	127.9094E	132	
Wonju Array Site 16	KS16	Republic of Korea	37.4516N	127.8557E	123	
Wonju Array Site 17	KS17	Republic of Korea	37.4674N	127.8407E	139	
Wonju Array Site 18	KS18	Republic of Korea	37.4861N	127.8444E	164	
Wonju Array Site 19	KS19	Republic of Korea	37.5019N	127.8669E	276	
Wonju Array Site 2	KS02	Republic of Korea	37.4953N	127.9032E	233	
Wonju Array Site 3	KS03	Republic of Korea	37.4783N	127.9177E	155	
Wonju Array Site 32	KS32	Republic of Korea	37.5778N	127.9519E	232	
Wonju Array Site 33	KS33	Republic of Korea	37.7561N	128.0260E	250	
Wonju Array Site 34	KS34	Republic of Korea	37.6028N	128.1480E	264	
Wonju Array Site 35	KS35	Republic of Korea	37.4694N	128.0685E	177	
Wonju Array Site 36	KS36	Republic of Korea	37.5679N	127.7190E	131	
Wonju Array Site 37	KS37	Republic of Korea	37.7153N	127.7975E	122	
Wonju Array Site 4	KS04	Republic of Korea	37.4566N	127.9207E	123	
Wonju Array Site 5	KS05	Republic of Korea	37.4574N	127.8924E	139	
Wonju Array Site 6	KS06	Republic of Korea	37.4708N	127.8719E	408	
Wonju Array Site 7	KS07	Republic of Korea	37.4874N	127.8727E	237	
Wonju Array Site 8	KS08	Republic of Korea	37.5153N	127.8882E	277	
Wonju Array Site 9	KS09	Republic of Korea	37.5108N	127.9224E	323	
Wonju Array Sites 15 and 31	KS15	Republic of Korea	37.4421N	127.8844E	112	
Wonogiri, Jawa	WOJI	Jawa,Indonesia	7.8372S	110.9236E	0	From 2008-12-01
Wooded Hills, Hulbert	E45A	Michigan,U.S.A.	46.3563N	85.1774W	251	From 2011-09-20
Wooded Island	WIW	Washington,U.S.A.	46.4293N	119.2877W	128	From 1970-07-01
Wood Farm, Starbuck	E09A	Washington,U.S.A.	46.5139N	118.1455W	304	From 2006-09-26 to 2009-01-08
Woodlark Island	WDIS	D'Entrecasteaux Islands,Papua New Guinea	9.0850S	152.7190E	80	From 1983-11-21
Wood River Hill	WRH	Alaska,U.S.A.	64.4713N	148.0900W	314	
Woodside	LT6	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	JWSM	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	WDS	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodstock	WOO	Maryland,U.S.A.	39.3333N	76.8750W		
Wood Valley	WOH	Hawaii,U.S.A.	19.2513N	155.5020W	909	
Woodville	X49A	Arkansas,U.S.A.	34.5126N	86.3260W	182	From 2011-12-11
Woodward Ranch, Alpine	527A	Texas,U.S.A.	30.1456N	103.6119W	1419	From 2008-03-06 to 2010-02-08
Woody	WDY	California,U.S.A.	35.7000N	118.8430W	500	From 1952-08-05 to 1970-08-27
Woody Point	WPA	Queensland,Australia	27.2603S	153.2560E	10	
Woolen Ranch, Alma	O31A	Nebraska,U.S.A.	40.1521N	99.3261W	631	From 2009-09-13 to 2011-08-20
Woolibar	WOOL	Western Australia,Australia	31.0730S	121.6780E	325	From 1994-06-01
Wooly Hollow	WHAR	Arkansas,U.S.A.	35.2902N	92.2885W	184	
Wooly Knot Farm, English	R47A	Indiana,U.S.A.	38.2957N	86.5270W	181	From 2011-11-25
Woomera	WSA	South Australia,Australia	31.1450S	136.8050E		
Worcester	WOR	Massachusetts,U.S.A.	42.2667N	71.8000W	203	
Workman Tunnel	WTX	New Mexico,U.S.A.	34.0722N	106.9460W	1555	
Work Ranch	WKR	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PWKM	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PK2	California,U.S.A.	35.8145N	120.5110W	503	
Worland	I20A	Wyoming,U.S.A.	43.9496N	108.1283W	1342	From 2008-07-27 to 2010-09-13
Woronora	WRNM	New South Wales,Australia	34.1414S	150.9516E	259	
Worthington Mountains	WRN	Nevada,U.S.A.	37.9815N	115.5906W	1743	From 1979-06-08 to 2002-10-10
Woss	WOSB	British Columbia,Canada	50.1607N	126.5704W	955	
Woudbloem	WDB	Netherlands	53.2090N	6.7349E	-2	
Woudbloem 1	WDB1	Netherlands	53.2083N	6.7355E	-49	From 2010-04-29
Woudbloem 2	WDB2	Netherlands	53.2083N	6.7355E	-99	From 2010-04-29
Woudbloem 3	WDB3	Netherlands	53.2083N	6.7355E	-149	From 2010-04-29
Woudbloem 4	WDB4	Netherlands	53.2083N	6.7355E	-199	From 2010-04-29
Wrangell Chichokna Glacier	WACK	Alaska,U.S.A.	61.9863N	144.3284W	2280	
Wrangell Island	WRAK	Alaska,U.S.A.	56.4191N	132.3466W	80	
Wrangell Mount Zanetti	WAZA	Alaska,U.S.A.	62.0751N	144.1522W	2531	
Wrangell North Crater	WANC	Alaska,U.S.A.	62.0031N	144.0699W	4190	
Wrangell Southwest	WASW	Alaska,U.S.A.	61.9282N	144.1724W	2196	
Wrenshall	E37A	Minnesota,U.S.A.	46.5658N	92.4000W	304	From 2010-10-16 to 2012-08-05
Wright Ranch	NWRM	California,U.S.A.	38.4570N	122.8880W	50	From 1970-08-14
Wright's Hill	WHW	North Island,New Zealand	41.2958S	174.7382E	383	From 1975-09-26 to 1985-09-30
Wright State University--Celina	WSCO	Ohio,U.S.A.	40.5460N	84.5090W	270	
Wright State University--Dayton	WSDO	Ohio,U.S.A.	39.7830N	84.0630W	289	
Wristen Ranch, Grandfalls	328A	Texas,U.S.A.	31.3818N	102.8097W	755	From 2008-04-22 to 2010-02-13
Wroclaw	BRE	Poland	51.0742N	16.9994E	125	From 1928-01-01 to 1945-01-01
WTBKS	WTBKS	Saudi Arabia	28.0840N	35.9120E	1100	
Wuestenhain	WUET	Sachsen,Germany	51.0093N	12.5802E	196	From 2004-07-08
Wufeng	WWF	Taiwan region	24.0427N	120.6983E	116	From 2014-12-22
Wu-fen Shan	NWF	Taiwan region	25.0710N	121.7810E	765	
Wu-fen Shan	WFSB	Taiwan region	25.0710N	121.7810E	100	
Wuhan	WUH	Hubei,China	30.5267N	114.5580E	50	
Wuhan	WHN	Hubei,China	30.5436N	114.3500E	26	
Wuhan	WUC	Hubei,China	30.5436N	114.3500E	26	
Wulai	NWLT	Taiwan region	24.7772N	121.5025E	397	
Wulai	TWU	Taiwan region	24.8775N	121.5336E	330	From 1977-11-08
Wupatki	WUAZ	Arizona,U.S.A.	35.5169N	111.3739W	1592	From 1998-05-12
Wushi	WUS	Xinjiang Uygur Zizhiqu,China	41.1990N	79.2180E	1457	From 1988-10-21
Wuwei	WUW	Gansu,China	37.9283N	102.6380E		
Wyandotte	OWAM	California,U.S.A.	39.4530N	121.4870W	168	From 1975-08-05
Wyandotte	OWYM	California,U.S.A.	39.4530N	121.4870W	168	
Wyandotte Cave	WCI	Indiana,U.S.A.	38.2290N	86.2938W	210	From 2010-08-23
Wyangala	WYA	New South Wales,Australia	33.9269S	148.9240E		
Wyevale	H52A	Ontario,Canada	44.6422N	79.8888W	209	From 2012-11-16
Wyhlen	WYH	Baden-Wurttemberg,Germany	47.5508N	7.7018E	310	From 1987-04-14
Wykoff	WF-	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wykoff	WF-MN	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wynnburg	WYBT	Tennessee,U.S.A.	36.3477N	89.4975W	82	
Wynne	WY-	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wynne	WY-AR	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wyoming Array	WY0	Wyoming,U.S.A.	42.7778N	109.5560W	2190	From 1977-06-20 to 1999-08-25
Wyoming Array	WYO	Wyoming,U.S.A.	42.7778N	109.5556W	2190	From 1977-06-20 to 1999-08-25
Xanthi	XAN2	Greece	41.1420N	24.8908E	31	From 2011-06-01
X Bar L Ranch, Newkirk	W25A	New Mexico,U.S.A.	35.2177N	104.4606W	1446	From 2008-04-24 to 2010-04-07
Xhotanan	XTNZ	Armenia	39.2800N	46.3800E	0	
Xi'an	XAN	Shaanxi,China	34.0394N	108.9214E	630	
Xi'an	SPE	Shaanxi,China	34.0394N	108.9210E	630	
Xi'an	SIA	Shaanxi,China	34.2483N	108.9200E	395	
Xinbi	SSPT	Taiwan region	22.4835N	120.5681E	16	From 2011-12-29
Xindian District, New Taipei City	NHDH	Taiwan region	24.9630N	121.5250E	41	From 2013-01-18
Xingo	XIN	Alagoas,Brazil	9.4483S	37.8364W	285	From 1991-01-01
Xining	SNN	Qinghai,China	36.6200N	101.7820E		
Xinwu Township	NHW	Taiwan region	25.0067N	121.0475E	133	From 2013-11-04
Xinyi Township	WHYT	Taiwan region	23.6961N	120.8532E	504	From 2013-01-18
Xiulin Township	ETLH	Taiwan region	24.2068N	121.4818E	849	From 2013-01-18
Xorichti	XOR	Greece	39.3661N	23.1919E	500	From 1996-01-01
Xuru	ST07	Xizang Zizhiqu,China	31.2262N	90.0702E	5079	From 1998-07-16 to 1999-05-27
Yaak	YKM	Montana,U.S.A.	48.8620N	115.7120W	1509	From 1976-10-01 to 2004-03-11
Yaak River Ranch, Troy	A12A	Montana,U.S.A.	48.9339N	115.6526W	928	From 2006-09-27 to 2009-08-05
YACYRETA	YCA	Parana,Brazil	27.4815S	56.6928W	113	From 2002-06-28
Yadsworthy	DYA	England,United Kingdom	50.4352N	3.9309W	280	From 1982-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yagi	YAG	Nara,Japan	34.5167N	135.8000E	63	
Yagi	YGI	Wakayama,Japan	34.0681N	135.5119E	180	
Yagishiri	JYG	Rumoi,Japan	44.4268N	141.4265E	35	
Yagodnoe	YAGS	Magadanskaya Oblast',Russia	62.5300N	149.6200E	480	
Yahiko	YHKE	Niigata,Japan	37.7336N	138.8030E	30	
Yahtse	YAH	Alaska,U.S.A.	60.3633N	141.7450W	2135	From 1974-09-05
Yahuarcocha	YAHU	Ecuador	0.3699N	78.0714W	3044	From 2011-10-14
Yailyu, Altay Republic, Russia	YALR	Altayskiy Kray,Russia	51.7694N	87.6106E	451	From 2002-07-19
Yakak	AD5	Alaska,U.S.A.	51.6289N	176.9250W	152	From 1974-01-01 to 1992-02-01
Yakataga	YKGM	Alaska,U.S.A.	60.0700N	142.4220W	46	From 1972-10-08
Yakedake	YKE	Gifu,Japan	36.2743N	137.5730E	1160	
Yakima	YA-WA	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	YA2	Washington,U.S.A.	46.5265N	120.5312W	652	
Yakima	YAKW	Washington,U.S.A.	46.5287N	120.5218W	629	
Yakima	E06A	Washington,U.S.A.	46.5433N	120.9791W	911	From 2006-08-28 to 2008-05-13
Yakima	YA-	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakoun River	QURY	British Columbia,Canada	53.3763N	132.2225W	238	
Yakumo	JYM	O shima,Japan	42.2012N	140.2533E	170	
Yakumo 2	JYM2	O shima,Japan	42.1172N	140.3700E	120	
Yakuplu-Istanbul	YKBL	Turkey	40.9908N	28.6675E	139	From 2011-01-01
Yaku shima	YKS	Ryukyu Islands,Japan	30.4500N	130.4970E	15	
Yakushimahirauchi	JYAK	Ryukyu Islands,Japan	30.2378N	130.5097E	90	From 2010-02-01
Yakutat	YKU2	Alaska,U.S.A.	59.5121N	139.6710W	10	
Yakutat	YKT	Alaska,U.S.A.	59.3686N	138.8770W	372	From 1972-10-06 to 1974-09-30
Yakutat	YKU	Alaska,U.S.A.	59.5531N	139.7290W	20	From 1978-05-01 to 2004-05-13
Yakutsk	YAK	Sakha,Russia	62.0311N	129.6811E	91	
Yaldymych	YAT	Tajikistan	39.0500N	70.4300E	1410	
Yale	YLE	Connecticut,U.S.A.	41.3150N	72.9365W	5	
Yalikavak-Bodrum	YKAV	Turkey	37.1245N	27.2800E	112	From 2011-04-18
Yal¯–koy-Catalca	KIYI	Turkey	41.4846N	28.2997E	10	From 2011-01-12
Yalikoy Yolu	CTYL	Turkey	41.4750N	28.2891E	77	From 2007-09-29
Yallahs	YHJ	Jamaica	17.8920N	76.4930W	600	
Yalova	CFTB	Turkey	40.6642N	29.2993E	0	From 2014-01-01
Yalova	YLV	Turkey	40.5667N	29.3728E	829	From 1982-01-01
Yalova	YLVH	Turkey	40.6953N	29.3705E	1	From 2011-01-01
Yalova Cinnet	YALV	Turkey	40.6600N	29.4650E	300	From 2009-01-01
Yalta	YAL	Ukraine	44.4875N	34.1547E	23	
Yalta	MI20	Ukraine	44.4800N	34.1500E	23	From 2012-12-01
Yamagata	YAM	Yamagata,Japan	38.2533N	140.3483E	153	
Yamagata	YAMJ	Yamagata,Japan	38.1733N	140.0370E	180	From 1978-01-01
Yamagatataniai	JYTA	Gifu,Japan	35.5937N	136.7355E	109	From 2012-11-01
Yamagatayuza	JYYZ	Yamagata,Japan	39.0162N	139.9305E	28	
Yamanlar	YAMN	Turkey	38.5531N	27.1575E	997	From 1996-04-01 to 1999-07-01
Yamasaki	K02	Iwate,Japan	39.3744N	141.5967E	346	
Yamasaki	YZT	Hyogo,Japan	35.1030N	134.5065E	320	
Yamba Lake	YMBN	Northwest Territories,Canada	64.8742N	111.5325W	438	
Yamba Lake Northeast	YNEN	Northwest Territories,Canada	65.0883N	111.0500W	463	
Yambol	JMB	Bulgaria	42.4667N	26.5833E	216	From 1983-08-01
Yamhill	G03A	Oregon,U.S.A.	45.3153N	123.2811W	208	From 2006-07-15 to 2008-01-25
Yamizo	YMZ	Tochigi,Japan	36.9241N	140.2479E	500	From 1976-06-18
Yamizo	YMZU	Tochigi,Japan	36.9232N	140.2460E	500	From 1976-06-18
Yana	YANA	Ecuador	0.1182S	78.5712W	3780	From 1988-09-27
Yanaizu	JFY	Fukushima,Japan	37.4068N	139.7048E	420	
Yanbu' al Bahr	YNBS	Saudi Arabia	24.3396N	37.9939E	210	
Yanceyville	IP06	Virginia,U.S.A.	37.9334N	77.9815W	114	
Yangiyul	YNGY	Uzbekistan	41.1100N	69.0400E	352	
Yangoru	YAN	Papua New Guinea	3.6583S	143.2920E	219	
Yangpyeong	YAPA	Republic of Korea	37.4890N	127.4943E	9	From 2011-10-04
YANGPYEONG	KSYAP	Republic of Korea	37.4848N	127.4913E	47	From 2000-01-27
Yanliau Village	TEYL	Taiwan region	23.8680N	121.5980E	30	From 1998-08-07
Yantzaza	YANT	Ecuador	3.8616S	78.7622W	888	From 2008-12-11
Yaongyimsen	YYI	Assam,India	26.5667N	94.6833E	707	From 1979-01-01
Yaounde	YND	Cameroon	3.8700N	11.4600E	750	From 1982-02-01 to 1986-04-23
Yaqui Meadows	YAQ	California,U.S.A.	33.1680N	116.3500W	441	
Yar	YAR	Cuba	20.3700N	76.3600W	200	
Yardimli	YRD	Azerbaijan	38.9162N	48.2409E	1800	From 2013-10-15
Yarimca-Ladik(Samsun)	YARM	Turkey	40.9230N	35.8266E	930	From 2013-12-05
Yaruga	YRG	Sakha,Russia	57.4900N	123.0700E	780	From 1989-01-01
Yasaka	JKY	Kyoto,Japan	35.6285N	135.1040E	260	
Yasato	JYT	Ibaraki,Japan	36.2277N	140.1940E	31	
Yasawairara	YSA	Fiji	16.6980S	177.5777E	50	From 1984-09-22
Yasnyy	YASS	Amurskaya Oblast',Russia	53.3000N	128.0000E	340	
Yasnyy	YASR	Amurskaya Oblast',Russia	53.2900N	127.9800E	330	
Yasuok	JNY	Nagano,Japan	35.3583N	137.8617E	800	
Yate Dam	BAYA	New Caledonia	22.1540S	166.8850E	163	From 2007-10-01
Yates City	N42A	Illinois,U.S.A.	40.8290N	90.0345W	205	From 2011-08-18 to 2013-04-14
Yattir	YTIR	Israel	31.3630N	35.1160E	902	
Yautepec	YAIG	Morelos,Mexico	18.8620N	99.0670W	1340	
Yava	X14A	Arizona,U.S.A.	34.4692N	112.8906W	1077	From 2006-03-12 to 2008-11-06
Yavi	YJA	Jujuy,Argentina	22.1759S	65.5142W	3510	From 1981-12-01
Yayladag	YAYL	Turkey	36.0343N	36.1070E	1225	From 2006-11-27
Yaylak	YAYX	Turkey	38.9386N	33.8115E	1142	From 2010-06-30
Yayoi	YAY	Aomori,Japan	40.6572N	140.3782E	270	
Yazd	YZKH	Iran	32.3901N	54.5916E	1000	
Yeager Farm, Coffeeville	Y45A	Mississippi,U.S.A.	33.8656N	89.5431W	106	From 2011-04-16 to 2013-02-06
Yecheon	KSYCH	Republic of Korea	36.6296N	128.4260E	94	From 2007-12-12
Yedisu-Bingol	YEDI	Turkey	39.4377N	40.5443E	1557	From 2011-05-03
Yeelanna, site6	YE6	South Australia,Australia	34.1589S	135.8323E	180	From 2003-12-11
Yeguas Mountain	YEG	California,U.S.A.	35.4363N	119.9590W	939	
Yeheng	YHNB	Taiwan region	24.6697N	121.3757E	775	
Yell	YEL1	Shetland Islands,United Kingdom	60.5509N	1.0830W	203	From 1979-01-01
Yell	YELU	Shetland Islands,United Kingdom	60.5509N	1.0830W	200	
Yellepit	YPT	Washington,U.S.A.	46.0488N	118.9622W	325	
Yellice	YELT	Turkey	40.4962N	29.1738E	765	From 1994-01-01
Yellow Bay	YBMT	Montana,U.S.A.	47.8633N	114.0115W	1415	
Yellow Creek Bluff	YCB	Alaska,U.S.A.	56.6483N	158.6820W	320	From 1974-01-01
Yellowknife	RSNT	Northwest Territories,Canada	62.4797N	114.5920W	50	From 1982-01-01 to 1987-12-31
Yellowknife	YKC	Northwest Territories,Canada	62.4783N	114.4730W	198	From 1964-07-15
Yellowknife Ar.	YKR8	Northwest Territories,Canada	62.4932N	114.6050W	197	From 1962-01-01
Yellowknife Array	YKR0	Northwest Territories,Canada	62.4931N	114.5090W	205	From 1962-01-01 to 1976-05-31
Yellowknife Array Beam Reference Point	YKA	Northwest Territories,Canada	62.4932N	114.6053W	197	From 1962-01-01
Yellowknife Array Site B0	YKB0	Northwest Territories,Canada	62.6059N	114.6050W	221	From 1962-01-01
Yellowknife Array Site B1	YKB1	Northwest Territories,Canada	62.4024N	114.6054W	172	From 1962-01-01
Yellowknife Array Site B2	YKB2	Northwest Territories,Canada	62.4248N	114.6054W	180	From 1962-01-01
Yellowknife Array Site B3	YKB3	Northwest Territories,Canada	62.4486N	114.6052W	187	From 1962-01-01
Yellowknife Array Site B4	YKB4	Northwest Territories,Canada	62.4711N	114.6049W	192	From 1962-01-01
Yellowknife Array Site B6	YKB6	Northwest Territories,Canada	62.5165N	114.6050W	202	From 1962-01-01
Yellowknife Array Site B7	YKB7	Northwest Territories,Canada	62.5390N	114.6053W	204	From 1962-01-01
Yellowknife Array Site B8	YKB8	Northwest Territories,Canada	62.5616N	114.6047W	197	From 1962-01-01
Yellowknife Array Site B9	YKB9	Northwest Territories,Canada	62.5829N	114.6039W	213	From 1962-01-01
Yellowknife Array Site R1	YKR1	Northwest Territories,Canada	62.4927N	114.9456W	170	From 1962-01-01
Yellowknife Array Site R2	YKR2	Northwest Territories,Canada	62.4928N	114.8964W	175	From 1962-01-01
Yellowknife Array Site R3	YKR3	Northwest Territories,Canada	62.4930N	114.8477W	176	From 1962-01-01
Yellowknife Array Site R4	YKR4	Northwest Territories,Canada	62.4928N	114.7995W	173	From 1962-01-01
Yellowknife Array Site R5	YKR5	Northwest Territories,Canada	62.4933N	114.7499W	182	From 1962-01-01
Yellowknife Array Site R6	YKR6	Northwest Territories,Canada	62.4933N	114.7014W	192	From 1962-01-01
Yellowknife Array Site R7	YKR7	Northwest Territories,Canada	62.4934N	114.6537W	198	From 1962-01-01
Yellowknife Array Site R9	YKR9	Northwest Territories,Canada	62.4932N	114.5558W	201	From 1962-01-01
Yellowknife Array Sites B5 and R8	YKB5	Northwest Territories,Canada	62.4932N	114.6053W	196	From 1962-01-01
Yellowknife Array Site W1	YKW1	Northwest Territories,Canada	62.4932N	114.5090W	198	
Yellowknife Array Site W2	YKW2	Northwest Territories,Canada	62.4248N	114.6054W	200	
Yellowknife Array Site W3	YKW3	Northwest Territories,Canada	62.5608N	114.6160W	198	
Yellowknife Array site W4	YKW4	Northwest Territories,Canada	62.4922N	114.7419W	200	
Yellowpoint	PHYB	British Columbia,Canada	49.0828N	123.8431W	0	From 2004-05-05
Yellow Rock	YEL	Washington,U.S.A.	46.2096N	122.1890W	1750	
Yellowstone Norris Museum	YNM	Wyoming,U.S.A.	44.7265N	110.7037W	2311	From 2012-01-25
Yellowstone Northeast Entrance	YNE	Montana,U.S.A.	45.0076N	110.0080W	2343	From 2011-08-21
Yellowstone Ranch, Lander	K20A	Wyoming,U.S.A.	42.6579N	108.3418W	1736	From 2007-11-09 to 2009-10-08
Yellville	U40A	Arkansas,U.S.A.	36.3563N	92.8535W	374	From 2011-01-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yenicaga	BCAM	Turkey	40.8158N	32.0656E	1207	From 2009-11-25
Yen Tu	YTV	Vietnam	21.1570N	106.7170E	0	From 2001-01-01
YEONCHEON	YNCB	Republic of Korea	38.0399N	126.9258E	56	From 2009-01-01
YEONGCHEON	KSYOC	Republic of Korea	35.9713N	128.9522E	94	From 2000-11-20
Yeongdeok	KSYOD	Republic of Korea	36.5000N	129.4000E	41	From 2000-03-09
YEONGJU	KSYOJ	Republic of Korea	36.8680N	128.5181E	210	From 2000-11-22
Yeongwol	KSYOW	Republic of Korea	37.1737N	128.4558E	239	From 2000-02-22
Yeosu	KSYOS	Republic of Korea	34.7350N	127.7390E	66	From 2000-02-09
YEOSU	KSYSU	Republic of Korea	35.1027N	127.5968E	557	From 2006-12-30
Yerba Buena Island	CYBM	California,U.S.A.	37.8113N	122.3610W	24	
Yerba Buena Island	YBIB	California,U.S.A.	37.8142N	122.3592W	-88	
Yeremizino-Borisovskaya	ERBR	Krasnodarskiy Kray,Russia	45.7146N	40.4835E	286	From 2009-10-07
Yerevan	ERE	Armenia	40.1700N	44.4700E	998	From 1932-01-01
Yerington	YERR	Nevada,U.S.A.	38.9852N	119.2406W	1857	
Yerkesik	YER	Turkey	37.1347N	28.2828E	730	From 1974-07-01
Yerranderie	YERM	New South Wales,Australia	34.1425S	150.2321E	554	
Yeshan	MHZQ	Taiwan region	26.1000N	119.0300E	0	From 2011-07-22
Yesilovacik-Mersin	YESI	Turkey	36.1957N	33.6421E	27	From 2011-07-01
Yesilyurt	YESY	Turkey	37.7825N	33.7431E	1206	From 2010-06-30
Yijhu	ICHU	Taiwan region	23.3606N	120.2793E	37	From 2014-07-28
Yiju	CHN8	Taiwan region	23.3460N	120.2110E	6	
Yilanlidag	MUGL	Turkey	37.2075N	28.4675E	1465	From 2002-11-08 to 2003-05-25
Yinchuan	YNC	Ningxia,China	38.4750N	106.2700E		
Yingkou	YIN	Liaoning,China	40.6667N	122.2333E	2	From 1934-01-01 to 1937-12-31
Ylip″, Raahe	OBF2	Finland	64.5600N	24.4800E	30	From 2013-08-01
Ylistaro	VAF	Finland	63.0422N	22.6715E	55	From 1989-06-06
YM01	YM01	Taiwan region	25.1464N	121.5700E	469	From 2008-02-26
YM03	YM03	Taiwan region	25.1792N	121.5397E	714	From 2008-01-17
YM04	YM04	Taiwan region	25.1537N	121.5363E	369	From 2008-02-24
YM05	YM05	Taiwan region	25.1640N	121.5655E	724	From 2005-10-05
YM06	YM06	Taiwan region	25.1520N	121.6026E	467	From 2005-10-05
YM07	YM07	Taiwan region	25.1754N	121.6204E	456	From 2005-10-11
YM08	YM08	Taiwan region	25.1879N	121.5896E	321	From 2005-10-04
YM09	YM09	Taiwan region	25.2433N	121.5620E	510	From 2008-04-15
YM10	YM10	Taiwan region	25.1555N	121.5609E	615	From 2007-01-24
YM11	YM11	Taiwan region	25.1657N	121.5741E	758	From 2007-04-14
YM12	YM12	Taiwan region	25.1813N	121.5693E	363	From 2007-04-12
YMCA Camp	YCM	Montana,U.S.A.	46.5256N	112.3940W	1597	From 1974-08-06 to 1976-10-04
Yocalla	BB06	Bolivia	19.3897S	65.9105W	3421	From 2012-01-12
Yogyakarta	YOGI	Jawa,Indonesia	7.8166S	110.2949E	160	From 2005-12-01
Yokaichiba	YKI	Chiba,Japan	35.7185N	140.5088E	-142	
Yokohama	YOK	Kanagawa,Japan	35.4367N	139.6567E	38	
Yokooka	YOKT	Akita,Japan	39.1600N	139.9800E	260	
Yokosk	JYO	Kanagawa,Japan	35.2238N	139.6653E	80	
Yokosuka	YSK	Kanagawa,Japan	35.3167N	139.6500E		
Yo Moklole	YOMI	Irian Jaya,Indonesia	2.6428S	140.5600E	260	
Yonago	YON	Tottori,Japan	35.4317N	133.3417E	7	
Yonago 2	YONJ	Tottori,Japan	35.1883N	133.4630E	320	
Yonaguni jima	YOJ	Ryukyu Islands,Japan	24.4617N	123.0108E	32	
Yonaguni jima 2	JYJ	Ryukyu Islands,Japan	24.4502N	122.9437E	22	
Yonagunijimakubura	JYNG	Ryukyu Islands,Japan	24.4512N	122.9452E	15	From 2010-02-01
Yonezawaarcadia	JYAR	Yamagata,Japan	37.9127N	140.1437E	245	From 2012-07-01
Yonkie	YYYY	Papua New Guinea	6.2412S	145.9690E	1314	From 1988-06-02
Yopal, Colombia	YOPC	Colombia	5.3540N	72.4207W	933	From 2009-02-01
Yorkshire	YSNY	New York,U.S.A.	42.4758N	78.5375W	628	From 1993-08-18 to 2002-12-20
Yoronjima	JYRO	Kagoshima,Japan	27.0247N	128.4505E	26	From 2012-07-01
Yoruktepe-Mersin	YORU	Turkey	36.1538N	33.4054E	426	From 2011-07-01
Yosemite Lake	MYLM	California,U.S.A.	37.3835N	120.4205W	57	
Yoshimatsu	YSM	Kagoshima,Japan	32.0267N	130.7361E	215	
Yoshimatsu	YOSD	Kagoshima,Japan	32.0006N	130.7278E	315	
Yoshiwara	YOS	Shizuoka,Japan	35.1667N	138.6830E		
Yoshizawa	JYZW	Shizuoka,Japan	34.9960N	137.7337E	93	
Yotoco, Valle del Cauca	YOTC	Colombia	3.9835N	76.3450W	1040	From 2011-12-13
Youbou, Lake Cowichan	YOUB	British Columbia,Canada	48.9010N	124.2618W	771	
Young	YNG	New South Wales,Australia	34.2980S	148.3963E	460	From 1999-01-01
Young	YOU	New South Wales,Australia	34.2783S	148.3817E	503	From 1974-07-01 to 1998-08-17
YOUNGJONGDO	YJD	Republic of Korea	37.4668N	126.4335E	34	From 2001-11-07
Youngstown State University	YSUO	Ohio,U.S.A.	41.1041N	80.6481W	274	
Youssef Ben Tachfine	YBT	Morocco	29.8456N	9.4983W	69	
Yozgat	YOZ	Turkey	39.6400N	35.3200E	1422	
Yozgat	SIRC	Turkey	39.3363N	35.1481E	1241	From 2013-02-01
Yozgat/˜ekerek-Merkez	CKRK	Turkey	40.0732N	35.4998E	991	From 2014-11-28
Yr Eifl	YRE	Wales,United Kingdom	52.9810N	4.4254W	197	From 1984-01-01
Yreka	YR-	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka	YR-CL	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka Blue Horn Mine, Yreka	YBH	California,U.S.A.	41.7320N	122.7104W	1059	From 1993-07-24
Yuanli	PTSB	Taiwan region	24.4469N	120.7048E	202	From 2006-01-04
Yuanlin Township	WYL	Taiwan region	23.9610N	120.5800E	25	
Yuanshan	SLBB	Taiwan region	24.7538N	121.6356E	490	From 2002-12-02
Yuasa	YAS	Wakayama,Japan	34.0328N	135.1822E	10	
Yuba Gap, Truckee	P05C	California,U.S.A.	39.3028N	120.6077W	1756	From 2005-06-07 to 2007-10-13
Yubileniya	YUB	Sakha,Russia	70.7380N	136.0930E	10	
Yucca	X13A	Arizona,U.S.A.	34.5935N	113.8302W	889	From 2006-03-14 to 2008-10-18
Yucca Flat NTS	YF-NV	Nevada,U.S.A.	37.0683N	116.0019W	1271	
Yucca Flat NTS	YF3NV	Nevada,U.S.A.	37.0728N	116.0242W	1254	
Yucca Flat NTS	YF4NV	Nevada,U.S.A.	37.0747N	116.0367W	1244	
Yucca Flat NTS	YF2NV	Nevada,U.S.A.	37.0694N	116.0122W	1260	
Yucca Mountain	YMT6	Nevada,U.S.A.	36.8557N	116.4000W	1149	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT5	Nevada,U.S.A.	36.8987N	116.4534W	1381	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT1	Nevada,U.S.A.	36.8539N	116.5300W	1002	
Yucca Mountain	YMT3	Nevada,U.S.A.	36.7860N	116.4130W	1088	
Yucca Mountain	YMT4	Nevada,U.S.A.	36.8487N	116.4503W	1283	From 1981-04-01 to 2002-10-10
Yucca Mountain	YM-NV	Nevada,U.S.A.	36.9314N	116.5542W	1341	
Yucca Mountain	YMT2	Nevada,U.S.A.	36.7853N	116.4866W	1079	From 1981-03-05 to 2002-12-10
Yuchr	TYC	Taiwan region	23.9040N	120.8570E	20	
Yuen Ng Fan	YHK	Hong Kong,China	22.3777N	114.3378E	87	
Yuha Desert	YUH	California,U.S.A.	32.6477N	115.9230W	186	
Yuktali	YKLR	Sakha,Russia	56.5915N	121.6542E	417	From 2004-07-04
Yulee	457A	Florida,U.S.A.	30.6199N	81.5563W	16	From 2012-02-03
Yuli	TWF	Taiwan region	23.3492N	121.2960E	180	From 1974-01-30
Yuli	EYUL	Taiwan region	23.3472N	121.3191E	165	From 2014-08-07
Yuli	TWF1	Taiwan region	23.3522N	121.2970E	260	From 1977-08-26
Yu-li	YULB	Taiwan region	23.3924N	121.2973E	295	
Yuma	112A	Arizona,U.S.A.	32.5356N	114.5804W	87	From 2007-05-06 to 2008-10-22
Yuma Desert	YMD	Arizona,U.S.A.	32.5547N	114.5450W	76	
Yuma Proving Gounds (US Army), Dateland	Z13A	Arizona,U.S.A.	33.1999N	113.6568W	375	From 2008-02-07 to 2009-01-30
Yumen	YUM	Gansu,China	40.2967N	97.0150E		
Yumesaki	YST	Hyogo,Japan	35.0008N	134.6285E	220	
Yumurtalik	YUMT	Turkey	36.7710N	35.7880E	27	From 1994-03-01
Yung-k'ang	TAI1	Taiwan region	23.0400N	120.2280E	-190	
Yunotani	YNT	Niigata,Japan	37.2233N	139.0145E	170	
YUNZ	YUNZ	Bolivia	19.1581S	65.0700W	2896	From 1994-05-30 to 1995-05-22
Yupe	YPE	El Salvador	14.1217N	89.6806W	1581	
Yupiltepeque	YUP	Guatemala	14.2013N	89.8015W	1430	From 1980-08-01
YUREGIR	YURE	Turkey	36.8259N	35.6324E	491	From 2006-12-01
Yu-Shan	YUS	Taiwan region	23.4893N	120.9520E	3845	
Yuva-Kibriscik (Bolu)	YUVA	Turkey	40.3910N	31.6872E	1163	From 2013-09-09
Yuwa	JYW	Akita,Japan	39.5403N	140.2085E	30	
Yuzawa	YZU	Niigata,Japan	36.8952N	138.7813E	600	
Yuzh-Kuril'sk	YUK	Sakhalinskaya Oblast',Russia	44.0347N	145.8614E	28	
Yuzh-Sakhalinsk	YSS	Sakhalinskaya Oblast',Russia	46.9539N	142.7550E	98	
Yverdon-Jordils	SYVJ	Switzerland	46.7771N	6.6375E	434	From 1992-06-05
Yverdon-les-Bains, rue des Philosophes	SYVP	Switzerland	46.7747N	6.6417E	434	From 2011-05-01
Zabid	ZBID	Yemen	14.1958N	43.3167E	0	
Zabrze	ZAB	Poland	50.3014N	18.7944E	258	
Zacaltic	ZAC	Chiapas,Mexico	17.2500N	92.7610W	380	
Zacatecas	ZAIG	Zacatecas,Mexico	22.7690N	102.5670W	2408	
Zafarana	ZAF	Egypt	29.2819N	32.5487E	165	
Zafferana	ZA1	Sicily,Italy	37.6853N	15.0900E	875	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Zaghouan	ZGN	Tunisia	36.3700N	10.1000E	720	
Zagora	ZGR	Morocco	30.1190N	5.6200W	1083	
Zagorskoe	ZGR4	Sakhalinskaya Oblast',Russia	47.3029N	142.4930E	120	From 2001-01-01
Zagreb	ZAG	Croatia	45.8270N	15.9870E	188	From 1983-01-01
Zagreb	ZAG*	Croatia	45.8167N	15.9833E	155	From 1906-04-04 to 1983-12-31
Zahaedan-tmp	SZD1	Iran	29.4863N	60.8655E	1383	From 2012-10-16
Zahedan	ZHDN	Iran	29.3990N	60.8102E	1511	From 2015-04-13
Zahedan	ZHSF	Iran	29.6110N	60.7750E	1575	From 1999-10-10
Zahran al Janub	DJNS	Saudi Arabia	17.7014N	43.5449E	2250	
Zaio	ZAI	Morocco	34.9700N	2.7460W	750	
Zaisan	ZSN	Kazakhstan	47.4500N	84.8660E	550	From 1990-10-01
Zajecar	ZAGS	Serbia	43.8126N	22.2328E	205	From 2011-07-15
Zakamensk	ZAK	Buryatiya,Russia	50.3819N	103.2806E	1200	
Zakatala	ZKTA	Azerbaijan	41.6380N	46.6220E	497	From 2009-10-26
Zakros	ZKR	Crete,Greece	35.1147N	26.2170E	270	
Zakynthos	ZKS	Greece	37.6969N	20.7853E	371	From 2010-05-11
Zakynthos	ZAK2	Greece	37.7879N	20.9000E	2	From 2012-09-01
Zalesovo	ZAL	Altayskiy Kray,Russia	53.9367N	84.7981E	213	
Zalesovo Array Site A0	ZAA0	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
Zalesovo Array Site A1	ZAA1	Altayskiy Kray,Russia	53.9524N	84.8190E	246	
Zalesovo Array Site A2	ZAA2	Altayskiy Kray,Russia	53.9439N	84.8237E	207	
Zalesovo Array Site A3	ZAA3	Altayskiy Kray,Russia	53.9477N	84.8091E	242	
Zalesovo Array Site B1	ZAB1	Altayskiy Kray,Russia	53.9637N	84.8308E	245	
Zalesovo Array Site B2	ZAB2	Altayskiy Kray,Russia	53.9488N	84.8462E	253	
Zalesovo Array Site B3	ZAB3	Altayskiy Kray,Russia	53.9368N	84.8342E	234	
Zalesovo Array Site B4	ZAB4	Altayskiy Kray,Russia	53.9377N	84.7985E	199	
Zalesovo Array Site B5	ZAB5	Altayskiy Kray,Russia	53.9566N	84.7972E	195	
Zalesovo Beam	ZALV	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
ZALESOVO INFRASONIC ARRAY REFERENCE POINT	MKAR	Altayskiy Kray,Russia	53.9487N	84.8189E	232	From 2006-11-30
Zalf	ZALF	Syria	32.9221N	37.3342E	532	From 1994-12-01
Zalla	LZLA	Libya	28.5537N	17.5613E	239	
Zamaca	PT04	Peru	14.6717S	75.6150W	400	
Zamans	EZAM	Spain	42.1490N	8.6950W	398	From 1986-12-01
Zamboanga	ZMP	Mindanao,Philippines	6.9196N	122.0633E	0	From 1982-09-23 to 1997-01-01
Zamboanga City	ZMPH	Mindanao,Philippines	6.9540N	122.0640E	59	
Zamboanga City	ZCP	Philippines	6.9322N	122.0746E	15	From 2010-09-01
Zamora	NE28	Spain	41.4140N	5.7550W	720	
Zangian	ZNGN	Iran	32.1174N	50.8542E	2662	From 2011-01-01
Zanguenga, Chorrera	ZANG	Panama	8.9561N	79.8667W	110	From 2004-10-01
Zanja@18n	ZNJK	Iran,Iran	36.6700N	48.6850E	2200	
Zanoah	ZNH	Israel	31.6770N	35.0000E	440	
Zante	ZAN	Greece	37.6500N	20.6667E	4	
Zapallar	ZACH	Valparaiso,Chile	32.5533S	71.4583W	44	
Zapla	AZAP	Jujuy,Argentina	24.2242S	65.0662W	2070	
Zaqatala	ZKT	Azerbaijan	41.6540N	46.6670E	530	From 1979-01-01
Zaragoza, Cauca	ZARC	Colombia	7.4923N	74.8580W	205	From 2011-08-17
Zarasai	IZAR	Lithuania	55.7497N	26.2458E	154	
Zara_SIVAS	CUZAR	Turkey	39.8882N	37.7705E	1425	From 2010-09-14
Zardab	ZRD	Azerbaijan	40.2790N	47.6840E	30	From 2010-12-02
Zarechye	ZRHB	Buryatiya,Russia	52.5540N	107.1520E	480	From 1999-12-01
Zarrentin	ZARR	Mecklenburg-Vorpommern	53.5538N	10.9176E	42	From 2011-07-01
Zaryechye, Baikal	ZRH	Buryatiya,Russia	52.5452N	107.1592E	481	From 2000-01-01
Zatriq	ZATK	Kosovo	42.4484N	20.6229E	1060	From 2008-07-06
Zavalia	ZAV	Texas,U.S.A.	31.1192N	94.5453W		
Zavodnje	ZAVS	Slovenia	46.4342N	15.0246E	741	From 2005-08-11
Zavoj	ZAPS	Serbia	43.2737N	22.6336E	624	From 2004-10-22
Zeckenberg-Ebnath	MZEK	Bayern,Germany	49.9626N	11.9474E	627	From 2001-04-24
ZEC Mazanza, Mont-Saint-Michel	D56A	Quebec,Canada	47.0485N	74.7568W	421	From 2013-07-29
Zefat	SAF	Israel	32.9600N	35.4950E	800	
Zefreh	IZEF	Iran	32.8956N	52.3291E	2320	From 2000-09-01
ZEK Kipawa Senerzegues Township	D52A	Quebec,Canada	46.9764N	78.4117W	359	From 2012-10-31
Zelena Hora	ZHC	Czech Republic	50.0706N	12.3087E	631	From 1996-01-10
Zelenaya	ZLN	Kamchatskaya Oblast',Russia	56.0169N	160.8039E	1120	
Zelenogorsk	ZLNR	Krasnoyarskiy Kray,Russia	56.1190N	94.5175E	250	From 2005-04-27
Zemlya Franca-Iocifa	ZFI	Arkhangel'skaya Oblast',Russia	80.8070N	47.6590E	17	From 2011-09-22
Zemlya Franca-Iocifa2	ZFI2	Arkhangel'skaya Oblast',Russia	80.8090N	47.6550E	18	From 2011-09-22
Zenema	ZNM	Egypt	29.3761N	32.8752E	210	
Zephyrhills	857A	Florida,U.S.A.	28.2670N	82.2291W	50	From 2012-02-17
Zerenda	ZRNK	Kazakhstan	52.9508N	69.0042E	384	From 1994-07-22
Zerenda array site	ZRN6	Kazakhstan	52.9271N	69.0337E	405	From 1995-08-12
Zerenda array site	ZRN7	Kazakhstan	52.9294N	68.9772E	388	From 1995-08-12
Zerenda array site	ZRN9	Kazakhstan	52.9771N	69.0027E	368	From 1995-08-12
Zerenda array site	ZRN8	Kazakhstan	52.9546N	68.9633E	364	From 1995-08-12
Zerenda array site	ZRN5	Kazakhstan	52.9461N	69.0485E	407	From 1995-08-12
Zerenda array site	ZRN4	Kazakhstan	52.9704N	69.0323E	382	From 1995-08-12
Zereshkeh	BZRK	Iran	33.8569N	48.6922E	1807	From 2013-09-09
Zerhoun	ZER	Morocco	34.0190N	5.4700W	1118	
Zernez	SZER	Switzerland	46.6975N	10.0977E	1471	From 2006-08-16
Zevekote	BZEV	Belgium	51.1370N	2.8995E	2	From 1992-04-12
Zeya	ZEA	Amurskaya Oblast',Russia	53.7380N	127.2500E	273	
Zeytinkoy-Aydin	AYDB	Turkey	37.9466N	27.8908E	1246	From 2009-10-03
Zfri	ZFRI	Israel	30.5540N	35.1780E	-37	
Zhanghua	WCHH	Taiwan region	24.0795N	120.5583E	34	From 2011-01-05
Zheleznogorsk	GZLN	Krasnoyarskiy Kray,Russia	56.3800N	93.7700E	210	From 2012-12-18
Zheleznogorsk-3, Russia	SHTK	Krasnoyarskiy Kray,Russia	56.3330N	93.6050E	150	From 2012-12-21
Zheleznogorsk city	GZL	Krasnoyarskiy Kray,Russia	56.2650N	93.5420E	165	From 2005-11-08
ZHG	ZHG	Morocco	33.4460N	6.6420W	788	
Zhinishke	ZHN	Kazakhstan	43.1680N	78.4350E	1332	From 2004-06-09
Zhob	ZHOB	Pakistan	31.3300N	69.4100E	1417	From 2006-04-02
Zhongli	NCUH	Taiwan region	24.9679N	121.1849E	153	From 2011-01-05
Zhudong	NJD	Taiwan region	24.7358N	121.0881E	150	From 2014-12-11
Zhunan	NJN	Taiwan region	24.6836N	120.8703E	5	From 2014-12-11
Zhushan	WJS	Taiwan region	23.8219N	120.7279E	175	From 2009-10-07
Ziano	ZIAN	Italy	46.2764N	11.5632E	1154	From 2012-11-19
Zihlschlacht	SGT02	Switzerland	47.5133N	9.2479E	577	From 2012-01-15
Zihuatanejo	ZHGX	Guerrero,Mexico	17.6083N	101.4650W		
Zihuatanejo	ZIH	Guerrero,Mexico	17.6100N	101.4620W	5	
Zihuatanejo	ZIIG	Guerrero,Mexico	17.6067N	101.4650W	32	
Zimchurud	ZIM	Tajikistan	38.7667N	68.8000E		
Zimniki	ZMN	Primorskiy Kray,Russia	45.4750N	134.2580E	150	From 1988-07-01
Zion National Park	ZNPU	Utah,U.S.A.	37.3561N	113.1254W	1953	From 2009-10-22
Ziria, Aigialia, West Greece	ZIRI	Greece	38.3052N	21.9476E	505	From 2010-07-04
Zirje	ZIRJ	Croatia	43.6543N	15.6439E	107	
ZIRO	ZIRO	Arunachal Pradesh,India	27.5266N	93.8499E	1600	From 2011-05-01
Zishin	ZIS	Guatemala	14.0333N	90.4550W	50	From 1979-09-01
Zocca	ZCCA	Italy	44.3509N	10.9765E	700	
Zomba	ZOMB	Malawi	15.3833S	35.3500E	1013	From 2006-06-01
Zonda	ZON	San Juan,Argentina	31.5458S	68.6786W	730	
Zongo (La Paz)	ZOBO	Bolivia	16.2694S	68.1240W	4397	
Zongo (La Paz)	ZLP	Bolivia	16.2694S	68.1240W	4397	
Zonguldak	ZGT	Turkey	41.4508N	31.7611E	70	From 1980-01-01 to 1981-06-30
Zonguldak/Devrek-Atalar	DEVR	Turkey	41.1417N	31.9724E	388	From 2014-12-01
Zoufplan	ZOU	Italy	46.5567N	12.9733E	1896	From 1982-10-17
Zovencedo	ZOVE	Italy	45.4536N	11.4876E	376	From 2011-09-07
Zuerich Laegern	ZLA	Switzerland	47.4822N	8.3892E	780	
Zugar Island	ZUQR	Yemen	13.9848N	42.7508E	171	From 2007-11-24
Zugdidi	ZUG	Georgia,Georgia	42.5167N	41.8833E	110	
Zuidlaarderveen	ZLV1	Netherlands	53.0921N	6.7533E	-48	From 2010-05-18
Zuidlaarderveen	ZLV	Netherlands	53.0931N	6.7500E	1	
Zuidlaarderveen	ZLV3	Netherlands	53.0921N	6.7533E	-148	From 2010-05-18
Zuidlaarderveen	ZLV2	Netherlands	53.0921N	6.7533E	-98	From 2010-05-18
Zuidlaarderveen	ZLV4	Netherlands	53.0921N	6.7533E	-198	From 2010-05-18
Zuidlaarderveen (2)	ZL24	Netherlands	53.0921N	6.7533E	-116	From 2009-04-10
Zuidlaarderveen (2)	ZL21	Netherlands	53.0921N	6.7533E	34	From 2009-04-10
Zuidlaarderveen (2)	ZL23	Netherlands	53.0921N	6.7533E	-66	From 2009-04-10
Zuidlaarderveen (2)	ZL22	Netherlands	53.0921N	6.7533E	-16	From 2009-04-10
Zumba	ZUMB	Ecuador	4.8637S	79.1439W	1286	From 2012-11-08
ZUMPANGO	ZUVM	Mexico	19.8265N	99.0775W	2288	From 2009-06-04
Zunzarren	IZUN	Spain	42.8610N	1.4564W	701	From 2007-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Zuqar Island	ZQRN	Yemen	14.0478N	42.7257E	38	From 2007-12-18
Zurich-Lageren	ZUL	Switzerland	47.4813N	8.3903E	700	From 1975-01-01 to 1986-07-09
Z¨…rich, Zeughauswiese	SZUZ	Switzerland	47.3775N	8.5302E	408	From 2012-12-19
Zur Nathan	ZNT	Israel	32.2400N	35.0280E	234	
Zu Zu	ZZT	Tennessee,U.S.A.	35.3640N	89.3720W	120	From 1974-03-01 to 1975-09-30
Zweins	ZWE3	Netherlands	53.1885N	5.6045E	-90	From 2010-03-24
Zweins	ZWE4	Netherlands	53.1885N	5.6045E	-120	From 2010-03-24
Zweins	ZWE2	Netherlands	53.1885N	5.6045E	-60	From 2010-03-24
Zweins	ZWE1	Netherlands	53.1885N	5.6045E	-30	From 2010-03-24
Zyfflich	NE41	Nordrhein-Westfalen,Germany	51.8239N	5.9745E	13	
Zyryanka	ZYR	Sakha,Russia	65.7200N	149.8200E	120	From 1981-10-01 to 1991-12-15
	NLNM	California,U.S.A.	38.1525N	122.7125W		
	CHI2	Colombia	4.6439N	73.7400W	3100	
	IM03	Alaska,U.S.A.	65.9835N	153.7491W		
	FDAS	Saudi Arabia,Saudi Arabia	21.8336N	40.3588E	200	
	OZUR	Romania	46.0957N	25.7864E	674	
	ARTM	Mongolia	47.9300N	107.2700E	2008	From 1994-10-01
	MBGA	Montserrat	16.7102N	62.1887W	479	
	UB5M	Mongolia	47.8190N	106.7820E	1389	From 2009-06-01
	MBSS	Montserrat	16.6870N	62.1603W	395	
	UB6M	Mongolia	48.3150N	106.8140E	1233	From 2009-03-01
	MDUM	Montserrat	16.7000N	62.1667W	1000	
	YOBS	Saudi Arabia,Saudi Arabia	24.3578N	38.7424E	372	
	DRGR	Romania	46.7916N	22.7111E	921	
	LYLS	Saudi Arabia,Saudi Arabia	22.0384N	47.2447E	460	
	NISS	Serbia	43.4035N	21.9474E	782	From 2006-04-05 to 2008-07-23
	UPIG	Panama	8.9906N	79.5342W	41	
	GHRR	Romania	46.0605N	27.4080E	212	
	DZBM	Mongolia	43.8140N	104.5010E	1557	From 2010-01-01
	TLCR	Romania	45.1861N	28.8150E	73	
	CSAN	Managua,Nicaragua	12.1833N	86.4222W	50	
	LOEW	Colombia	1.3537N	77.3780W	2350	
	SHMS	Saudi Arabia,Saudi Arabia	21.4485N	39.6907E	252	
	KARJ	Jordan	31.1200N	35.6530E	124	
	ASYS	Saudi Arabia,Saudi Arabia	27.5046N	44.3412E	580	
	MBWH	Montserrat	16.7422N	62.1908W	407	
	UB3M	Mongolia	47.6930N	105.9410E	1311	From 2009-07-01
	NGVM	California,U.S.A.	38.2807N	122.2148W		
	HSIG	Mexico D.F.,Mexico	29.0196N	110.9490W	250	
	ZIMR	Romania	43.6572N	25.3652E	74	
	SWA1	Egypt	29.2632N	25.7098E	48	
	BIAC	Colombia	3.2913N	76.1973W		
	UB9M	Mongolia	47.8670N	106.7370E	1250	From 2009-06-01 to 2010-03-01
	IL01	Alaska,U.S.A.	64.7716N	146.8861W		
	MGDM	Mongolia	48.2800N	102.9400E		
	GRER	Romania	45.3801N	26.9746E	276	
	CGIG	Mexico D.F.,Mexico	30.3652N	107.9773W	1524	
	EGS	Taiwan region	24.8450N	121.9320E	2	
	KFJS	Saudi Arabia,Saudi Arabia	28.1866N	47.9416E	150	
	DARB	Saudi Arabia	17.7400N	42.2400E	0	
	BOQSS	Saudi Arabia,Saudi Arabia	25.8689N	49.3758E	210	
	MZVM	Mexico D.F.,Mexico	19.1892N	99.2293W		
	SWA2	Egypt	29.2432N	25.4556E	45	
	AL34	Alaska,U.S.A.	64.9100N	147.4464W		
	TBS2	Panama	8.7933N	82.6569W	1397	
	TPTI	Sumatera,Indonesia	3.2600N	97.1800E	9	
	HQLS	Saudi Arabia,Saudi Arabia	29.3003N	35.0622E	543	
	KLSI	Sumatera,Indonesia	4.6900S	104.7300E	81	
	UB1M	Mongolia	47.9230N	106.5870E	1376	From 2009-05-01
	MGAT	Montserrat	16.7102N	62.1887W	479	
	UB4M	Mongolia	47.8150N	106.6080E	1209	From 2008-12-01
	CHOC	Czech Republic	49.7690N	18.5610E		
	UB2M	Mongolia	48.0190N	106.4430E	1455	From 2009-08-01
	QRHJ	Jordan	29.6850N	35.3220E	810	
	UB8M	Mongolia	47.5700N	106.3120E	1331	From 2009-05-01
	LBOS	Yemen	13.8710N	45.2490E	2325	
	EZ5V	Colima,Mexico	19.4792N	103.6022W	2180	
	AL35	Alaska,U.S.A.	64.9447N	147.8595W		
	HUEN	Managua,Nicaragua	12.3375N	86.1722W	50	
	NE20	Spain	36.8525N	2.4598W		
	HADB	Egypt	25.3510N	34.6238E	187	
	NE22	Spain	36.7275N	4.4111W		
	MO7M	Mongolia	47.4380N	106.6030E	1543	From 2008-12-01 to 2009-05-01
	NE23	Spain	41.4164N	2.1250E		
	RSHS	Saudi Arabia,Saudi Arabia	28.2997N	34.7968E	280	
	NT-	Nevada,U.S.A.	37.2758N	116.4183W		
	ALFM	Mongolia	47.9900N	106.7800E	1560	From 1995-09-01
	JSGM	California,U.S.A.	37.2827N	122.0500W		
	BAR1	Costa Rica,Costa Rica	9.2422N	83.3117W	530	
	NT2	Nevada,U.S.A.	37.2533N	116.2858W		
	WJHS	Saudi Arabia,Saudi Arabia	26.7318N	36.3944E	195	
	NE24	Spain	38.3553N	0.4873W		
	HRDDS	Saudi Arabia,Saudi Arabia	22.9272N	49.4616E	150	
	SECR	Romania	45.0355N	26.0676E	417	
	SLWS	Saudi Arabia,Saudi Arabia	24.7978N	50.6437E	75	
	EMPA	Peru	6.6630S	79.4430W	500	
	ASUT	Egypt	27.3967N	31.5626E	240	
	HLS	Peru	8.8470S	77.8890W		
	HPIG	Mexico D.F.,Mexico	26.9352N	105.6655W	1786	
	MBRV	Montserrat	16.8113N	62.1961W	231	
	R15V	Colima,Mexico	19.1700N	103.9830W	632	
	PCIG	Chiapas,Mexico	15.7047N	93.2188W	5	
	MO8M	Mongolia	47.5700N	106.3120E	1331	From 2008-12-01 to 2009-06-01
	SANZ	El Salvador	13.5577N	88.5228W	310	
	UB0M	Mongolia	47.9600N	105.9360E	1360	From 2010-05-01 to 2012-07-01
	ACVZ	Colombia	1.2270N	77.3588W	1470	
	GDLC	Jalisco,Mexico	20.6827N	103.3775W	1577	
	QEN	Egypt	26.2237N	32.8496E	333	
	H06E	Colima,Mexico	18.7800N	110.9200W	10	
	WMD	California,U.S.A.	37.4400N	118.6400W	0	
	UNTM	Mongolia	49.1400N	102.9200E		
	MBGB	Montserrat	16.7323N	62.2278W	253	
	SEMM	Mongolia	47.5600N	106.9800E	1700	From 1994-10-01
	URCR	Colombia	1.2195N	77.3432W	3494	
	SHBS	Saudi Arabia,Saudi Arabia	21.0046N	39.6829E	182	
	CR2G	Colombia	1.2077N	77.3590W	4058	
	UGDM	Mongolia	47.6400N	107.4000E	1894	From 1994-10-01
	MCPZ	Montserrat	16.7068N	62.1812W	759	
	MO5M	Mongolia	47.6100N	105.8680E	1259	From 2008-12-01 to 2009-06-01
	OLGA	Colombia	1.2243N	77.3537W	4100	
	H06S	Colima,Mexico	18.7300N	110.9600W	10	
	PUYI	Colombia	1.2977N	77.3230W	2370	
	IVGM	Mongolia	47.4000N	106.5700E	1900	From 1994-10-01
	FPK	Nevada,U.S.A.	39.2200N	118.1500W	0	
	FG6	Guatemala	14.5600N	90.8828W	2500	
	NSPM	California,U.S.A.	38.1827N	122.4533W		
	STKZ	Armenia	39.8126N	46.7520E	770	
	MUMZ	El Salvador	13.5555N	88.4792W	410	
	JLOS	Saudi Arabia,Saudi Arabia	28.7351N	35.4916E	1320	
	NE33	Belgium	50.6092N	6.0066E		
	HQSR	Egypt	25.7554N	34.3871E	168	
	PLAZ	Colombia	1.2593N	77.2790W	3000	
	BTHS	Saudi Arabia,Saudi Arabia	24.0459N	50.8460E	89	
	HCA	Peru	5.5830S	79.4330W		
	UB7M	Mongolia	47.5330N	106.6110E	1474	From 2010-04-01
	NMCM	California,U.S.A.	35.8428N	117.9048W		
	NUB	Egypt	29.0276N	34.6474E	90	
	GALR	Romania	43.8275N	28.5751E	56	
	JYSA	Finland	62.7700N	24.8700E		

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
	KMST	Turkey	37.5239N	36.9936E	670	
	MBGE	Montserrat	16.6900N	62.1937W	183	
	AMRG	Georgia,Georgia	42.5156N	43.1369E	614	
	ORGA	Alberta,Canada	49.5539N	114.1008W	1257	
	EPCH	Peru	6.0090S	79.6850W	720	
	HQRM	California,U.S.A.	36.8337N	121.2127W		
	PKSG	Hungary	47.3918N	18.3907E	200	
	JPSM	California,U.S.A.	37.1990N	122.3483W		
	FULR	Romania	44.8877N	26.4419E	114	
	CMPA	Pennsylvania,U.S.A.	40.3500N	76.0100W		
	MRYT	Montserrat	16.7038N	62.1532W	355	
	AWBH	Egypt	28.3208N	28.9038E	185	
	HCAT	Egypt	28.7750N	33.9790E	410	
	LUTC	Czech Republic	49.8840N	18.4160E		
	DWK	Meghalaya,India	25.1867N	92.0227E		
	BMK*	Morocco	34.6590N	2.9340W		
	IL31	Alaska,U.S.A.	64.7714N	146.8866W		
	GLFJ	Jordan,Jordan	29.5080N	35.0080E	25	
	VOIR	Romania	45.4371N	25.0496E	969	
	XTAL	Ecuador	0.2020S	78.6688W	2040	
	ZAPC	Czech Republic	49.8320N	18.4280E		
	BC03	Alaska,U.S.A.	63.0656N	141.7851W		
	MBRY	Montserrat	16.7038N	62.1532W	355	
	HADR	Romania	47.0106N	27.4301E	435	
	NSP	Nevada,U.S.A.	36.7300N	116.2100W	0	
	NE19	Spain	42.4578N	2.5032W		
	RSH	Egypt	30.9600N	33.7220E	240	
	HSFG	Egypt	26.5675N	33.9292E	170	
	ECALA	Colombia	1.2138N	77.4226W	2353	
	THIG	Chiapas,Mexico	14.9077N	92.2652W	15	
	PRSC	Czech Republic	49.0150N	18.5540E	0	
	NE25	Spain	40.8206N	0.4933E		
	BC3*	Alaska,U.S.A.	63.0656N	141.7851W		
	ANTT	Turkey	36.2203N	36.1569E	60	
	TGIG	Chiapas,Mexico	16.7782N	93.1222W	612	
	ETYK	Hungary	47.4403N	18.7448E	248	
	COB3	Colombia	1.1890N	77.3473W	3625	
	MBMH	Montserrat	16.7763N	62.1925W	270	
	SULR	Romania	44.6785N	26.2551E	73	
	LUK	Luzon,Philippines	14.1200N	121.5170E	500	
	JORD	New York,U.S.A.	44.3400N	74.6100W		
	VARR	Romania	45.8802N	27.8570E	233	
	NE21	Portugal	40.3997N	7.5442W	815	
	NFRM	California,U.S.A.	38.5227N	123.1610W		
	LTRR	Romania	45.4284N	23.7584E	1418	
	TUDR	Romania	45.5939N	27.6687E	66	
	MBLG	Montserrat	16.7250N	62.1623W	287	
	NAR2	Colombia	1.2688N	77.3687W	2870	
	ANVZ	Colombia	1.2220N	77.3530W	4170	
	MBBY	Montserrat	16.6977N	62.2025W	160	
	DIC	Ivory Coast	6.2083N	4.9892W		
	WHR	Nevada,U.S.A.	40.0400N	118.3600W	0	
	SIRB	Romania	45.4801N	26.2616E	512	
	LUCR	Romania	44.9737N	27.1011E	91	
	GOLR	Romania	44.8399N	24.9629E	301	

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION CODE

Code	*Station Name*	*Other*
034A	Hebbronville	
035A	Encino	
035Z	Hargill	
058A	Arcadia	
059A	Moore Haven	
059Z	Ave Maria	
060A	Indiantown	
060Z	West Palm Beach	
061Z	Ochoppi	
062Z	Marathon	
109C	Camp Elliot, Miramar	
112A	Yuma	
113A	Mohawk Valley, Roll	
114A	Black Gap (USAF), Gila Bend	
115A	Sonoran Desert, Stanfield	
116A	Eloy	
117A	Oracle	
118A	Homack Ranch, Wilcox	
119A	Ashpeak Ranch, Duncan	
120A	U Bar Ranch, Lordsburg	
121A	Cookes Peak, Deming	
122A	Conniff Cattle Co., Rinco	
123A	Bell Site, White Sands Missile Range	
124A	Stringfield Ranch, Weed	
125A	Gardner Draw, Artesia	
126A	Clayton Basin, Artesia	
127A	Arkansas Junction, Hobbs	
128A	Castleberry Farm, Seminole	
129A	Stewart Farms, Lamesa	
130A	Snyder	
131A	Roby	
133A	Hamilton Ranch, Breckenridge	
134A	White-Moore Ranch, Lipan	
135A	Vickery Place, Crowley	
136A	Ennis	
137A	Heron Place, Grans Saline	
138A	Matatall Enterprise, Big Sandy	
139A	Bunkhouse Ranch, Marshall	
140A	Cam and Jess, Hughton	
141A	Papa Simpson, Farm, Arcadia	
142A	Monroe	
143A	Socs Landing, Pioneer	
144A	Alexander Place, Bentonia	
145A	Houston Renfrow, Canton	
146A	Union	
147A	Livingston	
148A	Greensboro	
149A	Jones	
150A	Eclectic	
151A	Opelika	
152A	Waverly Hall	
153A	Fort Valley	
154A	Montrose	
155A	Kite	
156A	Sylvania	
157A	Early Branch	
158A	Hollywood	
214A	Organ Pipe National Monument, Ajo	
216A	Three Points, Tucson	
217A	Green Valley	
218A	Dragoon	
219A	White Tail Canyon, San Simon	
220A	Playas Peak, Playas	
221A	Mesquite Ranch, Deming	
222A	Williams Family Ranch, Las Cruces	
223A	Chaparral, Anthony	
224A	Cornudas Mountain, Dell City	
225A	Deer Hill, Carlsbad	
226A	Malaga, Loving	
226B	Tecolote Peak, Malaga	
227A	Bennet, Jal	
228A	UT Block 9, Goldsmith	
229A	Bryant Ranch, Stanton	
230A	Sterling City	
231A	Bronte	
232A	Coleman	
233A	Rising Star	
234A	Clairette	
236A	Katherine and Luke Keathley, Corsicana	
237A	Washetta, Montalba	
238A	Jacksonville	
239A	Gary	
240A	Hunter Patterson, Mansfield	
241A	Mo Tay, Goldonna	
242A	Grayson	
243A	Waterproof	
244A	Avery, Jackson	
245A	Little AP, Star	
246A	Jackson Lee, Bay Springs	
247A	Quitman	
248A	Dixon Mills	
249A	Camden	
250A	Grady	
251A	Midway	
252A	Lumpkin	
253A	Americus	
254A	Abbeville	
255A	Hazlehurst	
256A	Glennville	
257A	Skidaway Island, Savannah	
2RIO	Dos Rios de Upala	
318A	Bisbee	
319A	Douglas	
320A	Kipp Ranch, Antelope Well	
324A	Moseley Ranch, Sierra Blanca	
325A	Bean Ranch, Sierra Blanca	
326A	Caldwell Ranch, Toyah	
327A	Balmorhea Ranch, Pecos	
328A	Wristen Ranch, Grandfalls	
329A	Wagon Wheel Ranch, Midkiff	
330A	Mertzon	
331A	San Angelo	
332A	Millersview	
333A	Richland Springs	
334A	Lometa	
335A	Moody	
336A	Riesel	
337A	Centerville	
338A	Crockett	
339A	Huntington	
340A	Bronson	
341A	Kurthwood	
342A	Flagon Creek Properties, Pineville	
343A	Vidalia	
344A	Westbrook Farm, Meadville	
345A	Thompson Farm, Foxworth	
346A	Big Creek Wildlife, Hattiesburg	
347A	Saraland	
348A	Jackson	
349A	Repton	
350A	Dozier	
351A	Pinckard	
352A	Blakely	
353A	Camilla	
355A	Pearson	
356A	Blackshear	
357A	Townsend	
425A	Indio Mountain, Van Horn	
426A	McDonald Observatory, Fort Davis	
427A	Hayter Ranch, Fort Stockton	
428A	Kincaid Ranch, Fort Stockton	
429A	Davenport Ranch, Sheffield	
430A	Baggett Ranch, Ozona	
431A	Sonora	
432A	Menard	
433A	Art	
434A	Burnet	
435A	Jarrell	
435B	Jarrell	
436A	Wall Ranch, Gause	
437A	Phantom Ranch, North Zulch	
438A	Sam Houston State University, Huntsville	
439A	Center Grove, Livingston	
440A	Kirbyville	
441A	DeRidder	
442A	Mamou	
443A	Delano Plantation, Melville	
444A	Pine Grove	
445A	Amite	
446A	Poplarville	
447A	Lucedale	
448A	Bay Minette	
449A	Pace	
450A	Crestview	
451A	Vernon	
452A	Marianna	
453A	Whigham	
454A	Quitman	
455A	Stateville	
456A	Hilliard	
457A	Yulee	
526A	Mary Lane Ranch, Marfa	
527A	Woodward Ranch, Alpine	
528A	Cox Ranch, Sanderson	
529A	Stev Forest Ranch, Sanderson	
530A	J-C Ranch, Comstock	
531A	Rocksprings	
532A	Rocksprings	
533A	Kerrville	
534A	Blanco	
535A	Dale	
536A	Bastrop	
537A	Green Hill Farm, Brenham	
538A	Harpers Horsepen, Conroe	
539A	Cross D Ranch, Liberty	
540A	Vidor	
541A	Lake Charles	
542A	Morse	
543A	St. Martinville	
544A	White Castle	
545A	Edgard	
546A	Slidell	
552A	Lynn Haven	
553A	Crawfordville	
554A	Perry	
555A	McAlpin	
556A	Lake Butler	
557A	Orange Park	
626A	Big Bend Ranch, Presidio	
627A	Terlingua Ranch, Terlingua	
628A	Black Gap, Marathon	
631A	Perdido Creek Ranch, Del Rio	
632A	Uvalde	
633A	Saathoff Ranch, Hondo	
634A	China Grove, San Antonio	
635A	Leesville	
636A	Smothers Creek Ranch, Hallettsville	
637A	Eagle Lake	
638A	Rosharon	
645A	Chauvin	
646A	Port Sulphur	
655A	Horseshoe Beach	
656A	Willston	
657A	Interlachen	
658A	Bunnell	
732A	Laxson Ranch, Crystal City	
733A	Divot King Ranch, Dilley	
734A	La Parita Creek, Jourdanton	
735A	Kenedy	
736A	Circle Diamond K Ranch, Victoria	
737A	Port Lavaca	
738A	Farr-Stevens Ranch, Sargent	
757A	Oxford	
758A	Lake Helen	
832A	Faith Ranch, Carrizo Springs	
833A	Chaparral WMA, Artesia Wells	
834A	Tilden	
835A	Beeville	
857A	Zephyrhills	
858A	St. Cloud	
859A	Kempfer Cattle CO., St. Cloud	
933A	Laredo	
934A	Benavides	
936A	North Padre Island, Corpus Christi	
957A	Wimauma	
958A	Wauchula	
959A	Okeechobee	
A001	Piccione	
A004	Sigillo	
A01	A01	
A02	A02	
A04	A04	
A04A	Legoe Bay, Lummi Island	
A04D	Lummi Island	
A05	A05	
A05A	Maple Falls	
A06	A06	
A06A	Chilliwack	
A07	A07	
A07A	Ashnola River, Keremeos	
A08	A08	
A08A	Turner Farm, Oroville	
A09	A09	
A09A	Danville	
-A0MA	Subarray A0 LASA	
A10	Crater	
A10A	Northport	
A10E	A10E	
A11	Saint Roch-des-Aulnaies	
A11A	Hall Mountain, Copeland	
A11E	A11E	
A12	A12	
A12A	Yaak River Ranch, Troy	
A13	A13	
A13A	Flathead National Forest, Polebridge	
A14	A14	
A14A	Double T Ranch, Babb	
A15	A15	
A15A	Johnson Ranch, Cut Bank	
A16	Riviere Ouelle	
A16A	West Butte Ranch, Sweetgrass	
A16E	A16E	
A17	A17	
A17A	Triple J Farms, Joplin	
A18	A18	
A18A	Metzger Ranch, Havre	
A19	A19	
A19A	Klindworth Farms, Hogeland	
A20	A20	
A20A	Cobblestone Ranch, Loring	
A21	Saint Andre	
A21A	Bergtoll Ranch, Theony	
A21E	A21E	
A21K	Barrow	
A22A	Carney Farms, Richland	
A23A	Redstone	
A24A	Westby	
A25A	Svangstu Ranch, Noonan	
A26A	Wade Farm, Kenmare	
A27A	Ledoux Ranch, Antler	
A28A	Rude Farm, Bottineau	
A29A	Manning Farm, Rocklake	
A30A	Hoffart Farm, Langdon	
A31A	Linda, St. Vincent	
A32A	Rocking H Ranch, Lancaster	
A33	A33	
A33A	Warroad	
A36M	Sachs Harbour	
A490	San Lazaro	
A492	Arado	
A494	Palo Verde	
A495	El Viejo	
A50	A50	
A51	A51	
A52	A52	
A53	A53	
A54	Misere	
A54E	A54E	
A61	Sainte Mathilde	
A64	Saint Simeon	
A70	A70	
A71	A71	
A72	A72	
A80	A80	
A82	A82	
A83	A83	
A84	A84	
A85	A85	
AA02	Valdichiascio	
AA1	Alma-Ata	AAA
AA2	Talgar	TLG
AAA	Alma-Ata	
AAB	Talgar	TLG
AAC	Aachen	
AADN	Adndan	
AAE	Adis Abeba	
AAGR	Agrelo	
AAHD	Abu Hadid	
AAI	Ambon	
AA-IS	Atka	
AAK	Ala-Archa	
AAL	Aland	
AALM	Campus Universitario de Almeria	
AAM	Ann Arbor	
AAM1	Ambato 1 (Municipio)	
AAM2	Ambato 2 (Mercado Am^'rica)	
AAMC	University of Michigan	
AANG	Aceler^‡grafo del Angel	
AANI	Anillaco	
AANS	Anshas	
AAP	Anini-y	
AAPN	Arroyo Pinares	
AAR	Sfinta Ana	
AARM	Airport Road	
AAS	Arctowski Station	
AASA	Agas	
AASM	Arroyo Seco	
AAU	Alta	
AB-	Amboy	AB-WV
AB01	Akbulak array site	
AB02	Akbulak array site	
AB03	Akbulak array site	
AB04	Akbulak array site	
AB05	Akbulak array site	
AB06	Akbulak array site	
AB07	Akbulak array site	
AB08	Akbulak array site	
AB09	Akbulak array site	
AB31	Akbulak array site	
ABA	Alger-Bouzareah	
ABA1	Baconsthorpe	
ABAR	Abu 'Arish	
ABAZ	Army Bay	
ABB	Abborrasen	
ABC	Abeche	
ABD	La Joyeuse, Anse Bertrand	
ABE	Aberdeen	
ABEM	Aberfeldy	
ABF	Auke Bay	
ABG	Abington	
ABG1	Leinawald	
ABGF	Abri du Galion	
ABH	Alteburg	
ABHA	Abha	
ABI	ADIBADRI	
ABJ	Abashiri	
ABJ2	Abashiri 2	
ABJI	Asem Bagus	
ABJM	Bob Jauregui Ranch	
ABK	Abisko	
ABKAR	Akbulak array	
ABKT	Ailbek	
ABL	Mount Abel	
ABM	Ambohimiarambe	
ABMC	Merrill Creek	
ABMS	Boumerdes	
ABN	Auburn	
ABNR	Abakan	
ABOA	Aboa	
ABP	Abra de Ilog	
ABPO	Ambohimpanom	
ABQ	Albuquerque	ALQ
ABR	El Abra	
ABR01	Abrolhos, BA	
ABRA	Dolores	
ABRE	Abriola	
ABRM	Brophy Road	
ABRN	Auburn	
ABS	Abastumani	
ABSA	Djebel Ababsia	
ABSE	Abaselama	
ABSI	Aberstueckl	
ABT	Abant	
ABTA	Abfaltersbach	
ABTN	Auburntown	
ABTO	Aybut	
ABTX	Abilene, Hawley	
ABU	Abuyama	
ABUS	Abu Simbel	
ABV	Anegada	
ABVI	Anegada Island	
AB-WV	Amboy	
AC01	Pan de Azucar	
AC02	Maricunga	
AC04	Llanos de Challe	
AC05	El Transito	
ACA	Amchitka Central A	
ACAL	Aguas Claras	
ACAN	Cantantal	
ACAP	Capistrello	
ACB	Amchitka Central B	
ACBG	Cabo de Gata	
ACC	Amchitka Central C	
ACCN	Adirondack Community College	
ACCO	Cerro Coronel	
ACD	Amchitka Central D	
ACDF	Aurillac	
ACDV	Cuesta del Viento	
ACE	Amchitka Central E	
ACEO	Ashtabula EMA	
ACER	Acerenza	
ACES	Army Corps of Engineers Seattle ANSS	
ACF	Amchitka Central F	
ACH	Altos	
ACHA	Angle Creek Headwaters	
ACHB	Acheberg	
ACHE	Chepes	
ACHM	Chimeneas	
ACHS	Amedichi	
ACI	Arcavacata	
AC-IS	Amchitka	
ACK	Alder Creek	
ACKN	Achilles Lake	
ACL	Alicudi	
ACLA	Agua Clara, Sierra Llorona en Colsn	
ACLC	CERRO LA CRUZ	
ACLR	Calar Alto	
ACLS	Los Chiles	
ACM	Allegan	
ACO	Alabaster Cavern State Park	
ACOH	Alum Ck. St. Park	
ACOM	Acomizza, Italy	
ACON	Acoyapa	

Code	*Station Name*	*Other*
ACOR	Acrocorinthos	
ACOT	Cotacachi (Casa del Agua)	
ACP	Acatlan	
ACP2	Acapulco	
ACR	Cerro Adams	
ACSO	Alum Creek State Park	
ACTN	Antioch Church	
ACTO	Acton	
ACU	Canalobre	
ACVZ		
ACX	Acapulco	
ACY	Acoyapa	
AD-	Adak Island	AD-IS
AD01	Meldola (FC)	
AD02	Mondaino (RN)	
AD03	Mombaroccio (PU)	
AD04	Corinaldo (AN)	
AD05	S.Marcello (AN)	
AD06	Osimo (AN)	
AD1	Great Sitkin	
AD2	Umak	
AD3	Kagalaska	
AD4	Hidden Bay	
AD5	Yakak	
AD6	South Kanaga	
AD7	North Kanaga	
AD8	Adagdak	
ADA	Adak	
ADAG	Mount Adagdak	
ADAT	Adana	
ADB	khalkal	
ADC	Auburn Dam	
ADCV	BITLIS_Adilcevaz	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
ADE	Adelaide	
ADEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ADEN	Aden	
ADES	Adelaida	
ADH	Angra Heroismo	
ADH0	Angra Heroismo	
ADI	Adamit	
AD-IS	Adak Island	
ADIT	Lawson Adit, UC Berkeley, California	
ADJ	ADJUD	
ADJB	Djebel Djouab	
ADK	Adak	
ADKI	Addanki	
ADL	Adelanto	
ADM	NRDS	
ADN	Adams	
ADO	Adelanto Receiving Station	
ADOK	Arcadia Dam	
ADR	Anderson Reservoir	
ADRA	Adra	
ADRI	Adria, Italy	
ADSC	Addlestone Acy	
ADT	Adana	
ADUE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ADVT	Abdulvahap	
ADWM	Drytown Water District	
AE-	Albemarle	AE-NC
AEB	Amchitka	ASB
AECU	Ecuador Network	
AEKI	Aeknabara	
AE-NC	Albemarle	
AERF	Escuela - Rosario de la Frontera	
AEU	East Anglia University	
AF01	San Pedro de Atacama	
AFAR	Ash Flat	
AFC	Alfacar	
AFDM	Forest Hills Divide	
AFFS	‘Afif	
AFH	Ashford Hill	
AFHM	Forest Hill Site	
AFI	Afiamalu	
AFIF	Afif	
AFL	Alpe Faloria	
AFO1	Alfred	
AFO2	Alfred	
AFOK	Anatahan S. Rim	
AFON	Font Roja	
AFR	Afareaitu	
AFRM	Fiddyment Ranch	
AFRZ	Afriz	
AFS	Agadir Fac de Sc.	
AFSR	Af ar-Bala (Ankara)	
AFUE	Fuente Hervidero	
AFYO	Afyonkarahisar	
AG-	Augusta	AG-ME
AGA	Agualva	
AGAC	Agave Hill	
AGAL	Gebel Alisa	
AGAM	Agassiz Lake	
AGBLB	Aguas Belas	
AGBR	Sao Joaquim do Monte	
AGC	Angel Island	
AGCH	Angol	
AGD	Arta Grotte	
AGDM	Agdam	
AGE	Agenahambo	
AGEO	AgiosGiorgios, Aigialia, West Greece	
AGG	Agios Georgios	
AGI	Augustine Island	
AGIA	AGIA	
AGIM	Gold Rush Inn	
AGL	Agalyk	
AGM	Allagash	
AG-ME	Augusta	
AGMN	Agassiz National Wildlife Refuge	
AGMR	Gebel Marawa	
AGN	Agin	
AGN1	Agios Nikolaos	
AGO	Saint Agoulin	
AGOC	Agoura	
AGOR	Agordo	
AGP	Aguadilla	
AGPR	Aguadilla, PR	
AGR	Agra	
AGR2	Agrinio	
AGR3	Agrinion	
AGRA	Agra	
AGRB	Hanur-Agry	
AGRI	Agrihan Island	
AGRP	Agrapidokambos, Nafpaktia, West Greece	
AGRT	Agri	
AGRW	Gebel Rewraw	
AGST	Augusta-Monte Tauro	
AGT	Agartala	
AGT1	Agia Thekli	
AGU	Augustine-Summit	
AGUA	GUANDACOL	
AGUAY	Guayaquil	
AGUN	Aguas Calientes	
AGV	La Aguada	
AGVB	Aqua Vermelha	
AGX	Aguascalientes	
AGYR	Agha	
AGZ	La Independencia	
AHA	Ahua	
AHB	Akutan Harbor	
AHBU	AHRAM	
AHCB	Chemainus	
AHDM	Hacienda Drive	
AHID	Auburn Hatchery	
AHLV	Sanatorio - la Vina	
AHML	Horco Molle	
AHRM	Harold F. Ross	
AHRW	Bad Neuenahr-Ahrweiler	
AHS	Asahigawa	
AHU	Ahuachapan	
AHWZ	Ahwaz	
AI-	Alliance	AI-NB
AIA	Argentine Island	
AIA1	Aiani, KOZANI	
AIB	Aibetsu	
AIB2	Ibarra (Universidad Cat ‡lica)	
AIC	Anacapa Island	
AICH	Aicho	
AID	Aizu	
AIDS	Halavar	
AIES	Las Flores	
AIG1	Aigion	
AIG2	Aigio	
AIG3	Aigion	
AIG4	Aigion	
AIGLE	Aigle	
AIK	Aikawa	
AIL	L'Aileron	
AIN	Ainahou	
AI-NB	Alliance	
AIO	Antillo	
AIOA	Agios Ioannis, Aigialia, West Greece	
AIPV	Ipv	
AIS	Amsterdam Island	
AIT	Ait Ouarda	
AITP	Aitape	
AIUT	Southern Antelope Island	
AIZW	AIZWAL	
AJAC	Base Areonavale d'Aspretto	
AJAF	Ajaccio	
AJAR	Ajai Ranch	
AJAX	Aniakchak Jack	
AJI	Ajiro2	
AJLJ	Ajlon	
AJM	Ajmer	
AJMR	Ajmer	AJM
AJN	Ajban	
AK-	Atoka	AK-OK
AK0	North Tanaga	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
AK08	Malin Array Site 08	
AK09	Malin Array Site 09	
AK1	West Kanaga	
AK10	Malin Array Site 10	
AK11	Malin Array Site 11	
AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK2	South Tanaga	
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AK3	North Tanaga	
AK4	Bobrof	
AK5	North Tanaga	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKAR	Aktash	
AKAS	Kas	
AKASG	Malin Array Beam Reference Point	
AKAY	Kef Ayad	
AKB	Aktobe	
AKBB	Malin Array Site BB	
AKBBA	Akutan Broad B.	
AKC	Akcakoca	
AKCD	Akcadag	
AKCZ	Akaroa Harbour	
AKDA	Akdag	
AKDM	Akdamar-Van	
AKDN	Akdeniz- K –br –s	
AKET	Djebel Ketaf	
AKF	Akfadou	
AKGG	Akutan Green Grass	
AKGH	Akosombo	
AKH	Akhalkalaki	
AKHS	Akhisar	
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
AKIN	Ak –nc –lar- K –br –s	
AKK	Akkeshi	
AKK1	Akkuyu-Mersin	
AKK2	Akkuyu-Mersin	
AKKT	Akkus	
AKKU	Akkuyu-Mersin	
AKL	Akola	
AKLM	AKL	
AKLV	Akutan Long Valley	
AKM	Akama	
AKMC	Akamas	
AKMO	Akutan Morgan	
AKMS	Akamas	
AKN	Aaknes	
AKO	Adana	
AK-OK	Atoka	
AKR	Ocre	
AKR1	Akrata	
AKRB	Akutan Reef Bight	
AKRG	Al Kharijah	
AKRL	Khor El Raml	
AKRT	Stavros Akrotiri	
AKS	Akhisar	
AKSA	Akutan Strait	
AKSR	Khor Sakr	
AKSY	AKSARAY - Altinkaya	
AKSZ	Araks	
AKT	Akhty	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
AKTT	Aktoprak	
AKU	Akureyri	
AKU-	Akureyri	
AKUL	Akkuyli	
AKUM	Antalya-Kumluca	
AKUR	Kurkur	
AKUT	Akutan	
AKV	Akutan Volcano	
AKVQ	Akulivik	
AKWA	Algayed	
AKY	Akyazi	
AL-	Antlers	AL-OK
AL1	Aidlin Power Plant 1	
AL2	Aidlin Power Plant 2	
AL3	Aidlin Power Plant 3	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL34		FBAL
AL35		AL5
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AL4	Aidlin Power Plant 4	
AL5	ALPA Array Site 35	
AL6	Aidlin Power Plant 6	
ALA	Alamo	
ALAM	Latrobe	
ALAN	Alanya-ANTALYA	
ALAR	ALPA Array Beam Reference Point	
ALAS	Alassa	
ALAT	Latacunga	
ALAU	Alaus , Posada N	
ALB	Alberni	
ALBA	Albanya	
ALBD	Alberton, Johannesburg	
ALBI	Allahabad	
ALBO	Alboran Island OBS	
ALC	Alcan	
ALCE	Alcedo, Punta Alfaro	
ALCN	Alcanar	
ALCS	Alfacar	
ALCT	Alcott Elementary School	
ALD	Alter Ridge	
ALDR	Aldan	
ALE	Alert	
ALER	Alexandrovskoye	
ALF	Alfred	
ALF01	Guarapari-ES	
ALFC	Alefka	
ALFM		
ALFO	Alfred	
ALG	Algiers University	
ALGO	Algonquin Park	
ALGS	Alagyaz	
ALH	Alicahue	
ALHU	Pen de Alhucemas	
ALI	Alicante	
ALIA	Aliabad	
ALIB	Äli-Bayramli	
ALIBE	La Libertad	
ALID	Alaid	
ALIK	Aliki, Aigialia, West Greece	
ALIN	Konya/Alt –ntekin	
ALJ	Aljibe	
ALJA	Alia	
ALKI	Alki Wastewater Plant ANSS-SMO	
ALL	Alla	
ALLA	Alla	ALL
ALLY	Alegheny College	
ALM	Almeria	
ALM1	Almyros	
ALME	Alemaya	
ALMG	Alamagan	
ALMR	Almeirim	
ALMT	Alberton, Montana	
ALN	Alexandroupolis	
ALNA	Alonissos	
ALNE	Al Ain	
ALNG	Atlantic LNG	
ALNM	Lincoln	
ALO	Ashland	
ALOA	Alotau	
ALOHA	Station ALOHA	
ALOJ	Loja	
AL-OK	Antlers	
ALOL	LOMAS DE OLMEDO	
ALOT	Alotau	
ALP	Ascoli Pisceno	
ALPC	Antelope	
ALPW	Alpine	
ALQ	Albuquerque	
ALR	Isla de Alboran	
ALRB	Anaheim Lake	
ALRZ	Allen Road	
ALS	Alishan	
ALST	Alston	
ALT	Altintas	
ALTA	Alta Urco	
ALTM	Altmuhljura-Amtmannsdorf	
ALTO	Alotau	
ALTV	Alturitas	
ALU	Alushta	
ALUC	Giresun/Alucra	
ALUM	Lumbreras	
ALV	Alvord Mountain	
ALVY	Alvey	
ALWS	Ilw as Safayhah	
ALX	Alexander Bay	
ALX2	Alexandroupolis	
ALXA	Alekseevka, NSO, Russia	
ALZ	Aoulouz	
AM-	Ardmore	AM-OK
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AM9	Amelia	AMI
AMA	Amatignak Island	
AMAG	Maghara	
AMAN	Manam	
AMANT	Manta	
AMAR	Marayes	
AMAS	Alto Masis	
AMAZ	Amatzia	
AMB	Ambulong	
AMB1	Ambar	
AMBH	Ambr ‡zfalva	
AMBZ	Amberd	
AMC	Almaden	
AMC*	Amchitka	
AMCZ	Amberley	
AMD	Amderma	
AMDA	Medea	
AMDE	Amderma	
AMDNV	Amargosa	
AME	Amchitka East	
AMEN	Colle Ameno	
AMF	American Fork	
AMG	Americus	
AMGA	Amorgos Island	
AMGES	AMGES	
AMI	Amelia	
AMIL	Milagro (Transelectric)	
AMJ	Amo	
AMK1	Thessaloniki Airport	
AMKA	Amchitka	
AML	Almayashu	
AML1	Amfilochia	
AMLC	Mogote Corralitos	
AMM	Anaconda	
AMME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AMN	Amanu	
AMNH	Manhattan	
AMO	Ambon	
AMOG	MOGNA	
AM-OK	Ardmore	
AMOM	Mompiche	
AMOR	Amorgos	
AMP	Ambar	
AMR	Amargosa	
AMRC	Marco	
AMRG		
AMRH	Mont Rhoder	
AMRP	Almeirim	
AMRR	Amara	
AMS	Amos	
AMSY	Amasya-Merkez	
AMT	Artemida-Makistos	
AMTX	Amarillo	
AMU	Anchorage	
AMUR	Altamura	
AMVM	AMECAMECA	
AMW	Mount Adams	
AMZI	Amatzia	
AN-	Angela	AN-MA
AN1	Anna	
AN1*	Pine Canyon	PNC
AN10	Anna	
AN11	Anna	
AN12	Anna	
AN12*	Salinas Radio	SRC
AN13*	Quien Sabe	QSR
AN14*	Cienega Rd	BCGM
AN15*	Johnson Can.	JHC
AN2*	Forsythe	
AN3	Anna	
AN3*	San Juan Grade	HJGM
AN4	Anna	
AN4*	Pacheco Lake	PCL
AN5*	Dillon Ranch	DIL
AN6*	Chase Ranch	CSR
AN7	Anna	
AN7*	Canada Road	CDC
AN8	Anna	
AN8*	Peckham Road	PKC
AN9	Anna	
AN9*	Anzar Reservoir 9	
ANA	Amchitka	
ANA2	Anatahan	
ANAC	Anensky vrch	
ANAF	Anafi Island	
ANAL	New Alisa	
ANAR	Anarak	
ANAT	Anatahan	
ANB	Amchitka	
ANBD	Bethesda, Antigua	
ANC	Marguerite Bay	
ANCC	Alto Anchicaya	
ANCH	Antofagasta	
ANCK	Angle Creek	
ANCR	Anchorite	
AND	Amchitka	
AND3	Andretta	
ANDN	Andirin	
ANDO	Antigua, Disaster Office	
ANDR	Anadyr'	
ANDR2	Anadyr, Chukotka	
ANDZ	K …tahya/Merkez-And –z	
ANE	Angren	
ANER	Nerja	
ANG	Antigua	
ANGC	Angol	
ANGG	Ammassalik, Greenland	
ANGL	Ecuador	
ANGS	El Angel	
ANGU	Angureal	
ANGV	Angostura	
ANGW	Angle Mountain	
ANH	Anchorage	

Code	Station Name	Other
ANI	Aniakchak	
ANI*	Anchorage	ANH
ANIA	Aniakchak Crater	
ANIG	Ahuacatlan	
ANIL	Santa Ana	
ANJJ	Anjarah	
ANK	Ankara	
ANKA	Aniakchak	
ANKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ANKY	Antikythira Island	
ANL	Andalgala	
ANM	Nome	
AN-MA	Angela	
ANMB	Anmore	
ANMO	Albuquerque	
ANMR	North Marawa	
ANN	Anapa	
ANNA	Wolkenburger Bergbaurevier	
ANNE	Aniakchak Northeast	
ANNS	Annsville	
ANNW	Aniakchak Northwest	
ANOC	Antigua Open Campus	
ANON	Aniakchak	
ANP	Anpu	
ANPB	Aniakchak Plenty Bear	
ANPK	Aniakchak Peak	
ANR	Andizhan	
ANS	Ancona	
ANS1	Agios Nikolaos Laconias	
ANSS	Anadyr, Chukotka	
ANT	Antofagasta	
ANTB	Antalya	
ANTC	Antisana-Cuyuja	
ANTCA	Antelope Range	
ANTF	Antibes	
ANTG	Antisana-Guamanˆ›	
ANTI	Antisana	
ANTM	Antisana-La Mica	
ANTN	Anderson	
ANTO	Ankara	
ANTR	Antelope Ridge	
ANTS	Antisana-Sarahuasi	
ANTT		
ANTU	Antumapu	
ANTZ	Aouinet Torkoz	
ANU	Antelope Island	
ANV	Anvil Mountain	ANM
ANVS	Anan'yevo	
ANVZ		
ANWB	Willy Bob	
ANWZ	Angora Road	
ANX	Ano Chora	
ANZ	Anzar Road	
AO-	Argonne	AO-WS
AOB	Aobayama	
AODM	Outingdale	
AOF	Agadir Oufela	
AOHM	Oregon House	
AOI	Ancona	
AOL1	Archaia Olimpia	
AOM	Aomori	
AOM1	Aomori	
AOM3	Aomori 3	
AOMJ	Aomori 2	
AOPR	Arecibo Observatory	
AOS	Alonnisos	
AOT	Adel	
AOTA	Otavalo	
AOU	Aou	
AO-WS	Argonne	
AP-	Apache	AP-OK
AP01	Chacalluta	
AP3N	Apex site 3 Nunavut	
APA	Apatity	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APAE	Packway	
APAES	Apatity Array Beam Reference Point	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APC	Apacha	
APCG	Parque de las Ciencias	
APE	Apeiranthos	
APEC	Apecchio	
APER	Aper	
APEZ	Moni Apezanon	
APG	El Apazote	
APGM	Casa Mˆ¡quinas Miravalles	
APH	Airport Hangar	
APHE	Pico Herrero	
API	Apia	
APK	Angel's Peak	
APKW	Angels Peak	
APL	Alpnach	
APLA	Playas - Guayaquil	
APLL	PUNTA DE LOS LLANOS	
APM	Augspurger Mountain	
APN	Apakhonchich	
APNR	Astor Pass	
APO	Äppelbo	
AP-OK	Apache	
APON	Apoyo	
APOP	Alto Boquete	
APP	Appelbo	APO
APPA	Casa Mˆ¡quinas Las Pailas	
APPI	Appiano	
APR	Arecibo	
APRM	Poppy Hill Road	
APRS	Wahet Paris	
APSI	Ampana	
APT	Avery Point	
APUY	Puyo	
APW	Alpha Peak	
APY	Apoyeque	
APYN	Apoyeque	
APYP	Conner	
APZ	The Paps	
APZ9	Apatity	
AQ6*	Aqua Casa	
AQBJ	Aqaba	
AQCC	Dique - Cabra Corral	
AQDB	Aquidauana	
AQT1	Arquata del Tronto	
AQU	L'Aquila	
AQUE	Quevedo	
AR-	Aurora	AR-WS
AR03	Chiusi della Verna (AR)	
AR1	Arenal	
AR2	Lago de Cote	
AR3	Tierras Morenas	
AR4	Solania	
AR5	Santa Elena	
AR6	Chiripa	
AR7	Cape Frico	
AR8	Nicoya	
AR9	North	
ARA	Arapuni	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARAC	Aracena	
ARAG	Araguaiana, MT - Brazil	
ARAS	Rassina, Castel Focognano (AR)	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARBA	Ethiopian Broadband Seismic Experiment	
ARBE	Arbavere	
ARBF	Arbois	
ARBS	La Rabassa	
ARC	Arcata	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARCES	ARCESS Array Beam Reference Point	
ARCH	Arica	
ARCI	Arcidosso	
ARCO	CERRO ARCO	
ARCR	ARCALIA	
ARCZ	Arundel	
ARD	Arida	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARDC	Alexander Ranch	
ARDO	Archidona, Tena	
ARDR	Aradan	
ARE	Arequipa	
ARE0	ARCESS Array Site E0	
ARE1	Arenal 1	
ARE2	Areopolis	
AREB	Areado	
AREE	Arenal	
AREEX	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ARF	Arif	
ARG	Arkhangelos	
ARG2	Argostoli	
ARGA	Argostoli. Kephalonia	
ARGC	Ariguani, Magdalena	
ARGU	Argyle Ridge	
ARH	Archignac	
ARHR	Arkhangelsk	
ARHZ	Aropaoanui	
ARI	Arica	
ARIC	Ariccia	
ARIG	Puente Sto Nino	
ARIO	Riobamba	
ARJM	Robert W. Jensen	
ARK	Arkit	
ARK1	Arkalochori	
ARKL	Arkaroola	
ARKR	Arakani	
ARL	Chiapas	
ARLS	Aral	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
ARMA	Armidale	
ARME	Armento	
ARMN	K˜–rklareli/Merkez-Arma˜an	
ARMS	Ukamas	
ARMT	Armutlu	
ARN	Arnold Ranch	
ARN1	Arnaia	
ARNB	Al Arnab	
ARNI	Argonne North	
ARNL	Arenillas	
ARNO	Arenosillo	
ARNR	Ardon	
ARNS	Arna	
ARNU	Arnoeviken	
ARNY	Arden House	
ARO	Arta Observatory	
AROD	Rodeo	
AROL	Arenal Observatory Lodge	
ARP	Angono	
ARPR	Arapgir-MALATYA	
ARPS	Mount Arapiles	
ARPT	Arp	
ARQ	Araqi	
ARR	Arges	
ARRM	Rickey Ranch	
ARRO	Arrone	
ARRY	Arrayan	
ARRZ	Ararat	
ARS	Arshan	
ARS1	Argos	
ARSA	Arzberg	
ARSB	Arslanbob	
ARSH	Arusha	
ARSS	Ar Rass	
ARST	Arsuz	
ART	Arta	
ART2	Arta	
ARTF	Artigues	
ARTJ	Al Aritein	
ARTL	Arthez-de-Bearn	
ARTM		
ARTR	Artybash	
ARTS	Artic	
ARTT	Arusha	
ARTV	Artvin	
ARU	Arti	
ARUT	Antelope Range	
ARUZ	Aruch	
ARV	Arcevia	
ARVC	Arvin	
ARVD	Arcevia	
ARVI	'Arava Valley	
ARVN	Arviat, NU	
ARWM	Richard P. Wilkes	
AR-WS	Aurora	
ARX	ARAXOS	
ARXR	Arkhyz	
ARXS	Arharly	
AS01	Alice Springs Array Site 1	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS31	Alice Springs Site	
ASA	Asahikawa	
ASAI	AK-SAY(Kyrgyzstan)	
ASAJ	Asahikawa	
ASAK	Asacha	
ASAL	Salagasta	
ASAO	Ashtian	
ASAR	Alice Springs Array Beam Reference Point	
ASAT	Asagicarikuru	
ASB	Amchitka	
ASBA	Santa Barbara	
ASC	Amchitka	
ASCB	Sierra Cabrera	
ASCN	Ascension	
ASD	Amchitka	
ASDO	Santo Domingo	
ASE	Aserradero	
ASEAF	Site Antares, Toulon	
ASEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ASF	Jabal al Asfar	
ASG	Minamiashigara	
ASGA	Asgata	
ASH	Ashkhabad	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
ASHG	Umm Shaghir	
ASHJ	Ashqof	
ASHO	Ashiyiah	
ASHS	Asacha	
ASHT	Ashkhabad	
ASI	Mount Amassa	
ASIG	Aasiaat, Greenland	
ASJ	Aso san	
ASK	Askoy	
ASKD	Sinn el Kaddab	
ASKU	Askersund	
ASL	Abu Simbel	
ASM	Asama Yama	
ASME	Asmera	
ASMM	Slate Mountain	
ASMO	Sierra Morrones	
ASNY	Au Sable	
ASO	Aso	
ASOL	Asolo	
ASOR	Ausora	
ASP	Alice Springs	
ASPA	Alice Springs	
AS-PA	Altoona	
ASPF	Aspremont	
ASPSP	Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	
ASPU	Aespoe	
ASQU	Asqua	
ASR	Mount Adams--Stagman Ridge	
ASR1	Anjero-Sudjensk, Russia	
ASRM	Slough House Road	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASSBE	Assab	
ASSE	Asse, Remlingen/Germany	
ASSG	Aftenstjerne Lake, Greenland	
AST	Butare	BTR
AST1	Astakos	
ASTB	Santa Barbara	
ASTN	Avondale Springs	
ASTR	Astara	
ASU	Arizona State University	
ASUD	Al Ashush, Dubai	
ASUT		
ASUZ	Hatay-Arsuz	
ASW	Aswan	
ASYS		
ASZ	Ashizuri	
AT-	Austin	AT-NV
AT01	Promano (Cittˆ di Castello) - PG	
AT02	Lugnano (Cittˆ di Castello) - PG	
AT03	Montalto (Apecchio) - PU	
AT04	Castiglione Aldobrando (Gubbio) - PG	
AT05	Racchiusole (Umbertide) PG	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
AT07	Catigliano (Cittˆ di Castello) - PG	
AT08	Fraticciola Selvatica (Perugia) - PG	
AT09	Santa Cristina (Gubbio) - PG	
AT1	West Kanaga	AK1
AT10	Torre dell'Olmo (Gubbio) - PG	
AT11	Monte Civitello	
AT2	South Tanaga	AK2
AT3	North Tanaga	AK3
ATA	Atar	
ATA5	Erzurum, Merkez	
ATAB	Bozova	
ATAF	Djebel Tarf	
ATAH	Atahualpa	
ATAL	Atalanti	
ATAQ	'Ataq	
ATB	Altamira	
ATBU	Serra di Burano	
ATC	Attachie	
ATCA	Cantone	
ATCC	AVT- Casa Castalda	
ATD	Arta Tunnel	
ATDB	Astolofo Dutra	
ATE	Arette	
ATEJ	Tejeda	
ATEN	Tena	
ATES	Arlington Trafton Elementary School	
ATFO	Monte Foce - Gubbio	
ATG	Ambohiby	
ATGJ	Altiaghaj	
ATH	Athens Observatory	
ATH5	Athens Parliament	
ATHA	Athabasca	
ATHAL	Athalassa	
ATHU	Athens University	
ATI	Atico	
ATIP	Tipaza	
ATKA	Atka Island	
ATKO	Atikokan Iron Mine	
ATKR	Artyk	
ATL	Atlanta	
ATLB	Atluck Lake	
ATLO	AVT- Montelovesco	
ATM	Atsumi	
ATM1	UHE Belo Monte	
ATMC	Monte Cedrone	
ATN	Antennamare	
AT-NV	Austin	
ATO	Altona	
ATOT	Gabel Atot	
ATPA	Allentown	
ATPC	Poggio Castellaccio	
ATPI	Pietralunga - Aviosuperficie	
ATPZ	Tipaza	
ATR	Alsterbro	
ATR1	Atar 1	
ATRE	Renzetti	
ATSC	Scheggia e Pascelupo	
ATT	Attica	
ATTE	AVT- Monte Tezio	
ATTU	Attu Island--Fox	FX1
ATU	Athens Obs.	ATH
ATUL	Tulcˆ¡n	
ATVA	AVT- Monte Valcinella	
ATVM	ATLACOMULCO	
ATVO	AVT- Monte Valentino	
ATX	Austin	
ATZ	Mount Atzmon	
AU2	Augustine Island	
AU22	Augustine Mound	
AUALB	St Joseph's College, Albany	
AUAYR	Ayr State High School	
AUBOZ	BOZOYUK	
AUBSH	Beerwah State High School	
AUBUS	Georgiana Molloy Anglican School, Busselton	
AUC	Auckland	
AUCAR	St Mary Star of the Sea, Carnarvon	
AUCAS	Cummins Area School	
AUCH	Augustine Cone H	
AUCSH	Cairns State High School	
AUD	Augustine Domo	
AUDAR	Daramalan College	
AUDCS	Dubbo College Senior Campus	
AUDHS	Darwin High School	
AUE	Augustine Island	
AUF	Augustine Flow	
AUGR	Augrabies	
AUH	Augustine H	
AUHAR	St Anne's School, Harvey	
AUHPC	Hawkesdale P12 School	
AUI	Augustine Island	
AUJA	Augustine Junction	
AUJCS	Jamestown Central	

	School	
AUJK	Augustine Juegen Kienle	
AUK	Auki	
AUKAL	John Paul College, Kalgoorlie	
AUKAR	St Luke's College, Karratha	
AUKAT	Katherine High School	
AUKHS	Kincumber High School	
AUKIR	K¯–rka- Seyitgazi ESKISEHIR	
AUKSC	Keysborough Secondary College	
AUKUL	Kulin High School, Kulin	
AUKUT	KUTAHYA	
AUL	Augustine Lava	
AULHS	Lilydale High School, Lilydale	
AULRC	Lightning Ridge Central School	
AUM	Augustine Mound	
AUMAG	Moama Anglican Grammar School	
AUMAR	Marden Senior College	
AUMAZ	Mazenod Senior College, Perth	
AUMHS	Melrose High School	
AUMIH	MIHALICIK	
AUMOU	Moura State High School	
AUMTC	Mt Clear College-Earth Ed	
AUMTS	Mt Stromlo	
AUMUL	Mullumbimby High School	
AUNHS	Nhulunbuy High School	
AUNRC	North Rockhampton State High School	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUPHS	Peel High School	
AUQ	Augustine Qik'rtamen	
AUQP	San Andres	
AUR	Aurakhmat	
AURF	Auriere	
AURMK	Renmark High School	
AUROX	Roxby Downs High School	
AURSC	Rosebud Secondary College	
AUS	Austin	
AUSE	Augustine SEast	
AUSIS	Research School of Earth Sciences	
AUSIV	SIVRIHISAR	
AUSMG	Snowy Mountains Grammar School, Jindabyne	
AUSN	Aus	
AUSP	Uspallata	
AUSSC	Sale College, Sale	
AUT	El 'Aiyat	
AUTAR	Taroona High School, Taroona	
AUTKS	The King's School, Parramatta	
AUTN	L'Aution	
AUTOO	Toowoomba State High School	
AUUHS	Ulladulla High School, Ulladulla	
AUW	Augustine West	
AUWSH	Wavell State High School	
AVC	Adobe Valley	
AVCI	Avcilar-¯stanbul	
AVE	Averroes	
AVF	Avril sur Loire	
AVFE	Valle Fertil	
AVFP	Avril sur Loire	
AVG3	Avigliano	
AVH	Avacha	
AVIZ	Vizcacheras	
AVN	Avellanes	
AVNC	Asheville	
AVNS	Nevsehir-Avanos	
AVNT	Avonos	
AVO	Avon	
AVOE	Asama Observatory	
AVOW	Apres Vouz Peak	
AVR	AVREN	
AVRM	Valley Road Site	
AVY	Angavokely	
AWA	Amchitka	
AWAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AWAL	West Alisa	
AWAZ	Awhitu Peninsula	
AWBH		
AWDQ	Awoonga Dam 3	
AWH	Whinburgh	
AWI	Antigua	
AWI1	Witton	
AWKL	West Kalabsha	
AWOON	Awoonga Dam	
AX-	Alexander City	AX-AL
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
AX-AL	Alexander City	
AXAR	Agios Charalampos	
AXDP	Jialang	
AXS	Araxos	
AXZ	Alexandra	
AY-	Academy	AY-SD
AY01	Puyuhuapi	
AY02	Valle Exploradores	
AY1S	Kobdi	
AY2S	Ozernaya	
AY3S	Tungusskii	
AYA	Ayagualo	
AYAC	Ayacucho	
AYAN	Aya Nagar	
AYCH	Puerto Aysen	
AYDB	Zeytinkoy-Aydin	
AYDN	Tasoluk	
AYE	Ayenquera	
AYK	Aydincik	
AYK2	Artyk	
AYKD	Aykdinkavak	
AYN	Al'Uyaynah	
AYNT	El Ayoun	
AYS	Ayseler	
AY-SD	Academy	
AYT	Al 'Ayyat	
AYUS	'Aynunah	
AYVA	Ayvalik	
AYVM	Ayaqueme	
AZ-	Amarillo	AZ-TX
AZ1C	Azucar	
AZAC	Aniakchak	
AZAP	Zapla	
AZI	Avezzano	
AZJ	Azai	
AZL	Aizawl	
AZO	Oaxaca	
AZ-TX	Amarillo	
AZU	Azuero	
AZU1	Azuela	
AZU2	Pedasi@15	
AZUC	Azuc	
AZVM	Cuida Lopez Mateos	
B001	Rancolfo	
B009	North Saanich	
B01	B01	
B010	North Saanich	
B011	North Saanich	
B012	Ucluelet	
B013	Quilcene	
B017	Montesano	
B019	Raymond	
B02	B02	
B022	Seaside	
B023	Clatskanie	
B03	B03	
B04	B04	
B040	Montague	
B04A	Port Angeles	
B05	B05	
B05A	Bryant	
B06	B06	
B06A	Marblemount	
B07	B07	
B07A	Winthrop	
B08	B08	
B08A	Colville Reservation, Omak	
B09	B09	
B09A	Rice	
B10	B10	
B10A	Chitwood Farm, Usk	
B11	B11	
B11A	Sandpoint	
B12	B12	
B12A	Libby	
B13	B13	
B13A	Whitefish	
B14	B14	
B14A	Marquette Ranch, East Glacier	
B15	B15	
B15A	Bradely Ranch, Valier	
B16	B16	
B16A	M & M Farms, Shelby	
B17	B17	
B17A	L&G Farms, Chester	
B18	B18	
B18A	Beardsley Farm, Havre	
B19	B19	
B19A	Brinkman Farms, Chinook	
B1NU	Baffin Island 1	
B20	B20	
B201	Coldwater, Mount Saint Helens	
B202	Windy Ridge, Mt. St. Helens	
B203	Quarry, Mount Saint Helens	
B20A	Solberg Farm, Malta	
B21	B21	
B21A	Ellsworth Farm, Hinsdale	
B22	B22	
B22A	Reddig Ranch South, Frazer	
B23	B23	
B23A	Brockton	
B24	B24	
B25A	Knox Farm, Ray	
B26	B26	
B26A	Jensen Ranch, Palermo	
B27	B27	
B27A	Peters Farms, Glenburn	
B28A	Dugan Ranch, Towner	
B29	B29	
B29A	Wagenman Farm, Cando	
B2NU	Baffin Island 2	
B30	B30	
B30A	Myrvik Farm, Edmore	
B31A	Greenbush Farm, Park River	
B32	B32	
B32A	Ashes, Strandquist	
B33	B33	
B33A	Robert and Kassanda Mosher, Grygla	
B34	B34	
B34A	Aery, Baudette	
B35	B35	
B35A	Bob, Littlefork	
B36	B36	
B37	B37	
B38	B38	
B39	B39	
B40	B40	
B41	B41	
B42	B42	
B43	B43	
B44	B44	
B46	B46	
B49	B49	
B50	B50	
B51	B51	
B52	B52	
B53	B53	
B54	B54	
B55	B55	
B56	B56	
B57	B57	
B58	B58	
B59	B59	
B5GA	5 Glenshane	
B60	B60	
B61	B61	
B62	B62	
B63	B63	
B64	B64	
B65	B65	
B66	B66	
B67	B67	
B70	B70	
B71	B71	
B72	B72	
B73	B73	
B74	B74	
B75	B75	
B82	B82	
B926	Mesachie Lake	
B927	Port Alberni	
B928	Bamfield	
B941	Kapowsin	
BA-	Baldwin	BA-WS
BA01	Aachen	
BA02	Stolberg	
BA03	Weissweiler	
BA04	Fiesheim UWZ	
BA05	Sindorf	
BA06	Horem	
BA07	Koln University	
BA08	Dellbruck	
BA09	Bensberg	
BA10	Klein Altendorf	
BA11	Duren	
BA12	Beaesweiler	
BA13	Heinsberg	
BA14	Wollersheim	
BA15	Heimerzheim	
BA16	Vanikum	
BA17	Glehn	
BA18	Steinbach	
BA19	Koln Dom Grabung	
BA26	K¯¶ln Uni	
BAA	Buenos Aires	
BAB	Beni-Abbes	
BABA	Baden-Baden-Neuweier	
BABE	Bainbridge School	
BABR	Babbit Peak	
BAC	Bacau	
BACC	Bachelor Mtn.	
BACF	Baccarat	
BACH	Barnechea	
BACM	Baccana	
BACT	New Taipei City	
BACU	Backbrunna	
BAD	Bernadia	
BADA	Al Bad'	
BADI	Badiali	
BADN	Badegauja	
BADS	Badasada Odisha,India	
BADT	Buyukada	
BAE	Brasilia	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAF	Belacker	
BAF*	Baguio	
BAG	Baguio City	
BAG8	Bagolino	
BAGL	Bagley Icefield	
BAGO	Egridir - ISPARTA	
BAH	Barrette	
BAHI	Ethiopian Broadband Seismic Experiment	
BAHL	Ahlen	
BAHS	BAHS	
BAHS2	Abu Rakh	
BAI	Bari	
BAI*	Bari	
BAI2	Baranello	
BAIF	Baives	
BAIL	Bailesti	
BAK	Baki	
BAKC	Calstate	
BAKI	Biak	
BAKU	Bakultala	
BAL	Ballidu	
BALA	Baldy Mountain	
BALAH	Balakhonka, Kuzbass, Russia	
BALAT	Bala	
BALB	Balikesir	
BALC	Balcom Canyon	
BALD	Monte Baldo	
BALG	Balingen, Zollernalbkreis	
BALH	Baltimore	
BALI	Monte Baldo	
BALM	Baldy	
BALP	Baler	
BALST	Balsthal	
BALT	Daday	
BALY	Balya	
BALZ	Balzar	
BAM	Barrage Abdel Moumen	
BAMF	Morne Balai	
BAN	Banff	
BANG1	Bangula	
BANI	BANI	
BANL	Banca Lucia	
BANM	Bannockburn	
BANO	Bancroft	
BANOM	Banah	
BANR	Banloc	
BAO	Brasilia Array Centre Point	
BAP	Bailey Peak	
BAP*	Basco	
BAPM	Anderson Peak	
BAPR	Bucharest-Childs Park	
BAR	Barrett	
BAR1		
BARA	Bahrah	
BARB	Barbacena	
BARC	Barichara	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BARS	Barje	
BART	Pico Bartolomeu	
BARV	Barcelona	
BAS	Basle	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASC	Basecamp	
BASD	Buyukada	
BASE	Brasilia Array Site SE	
BASH	Bashay	
BASHA	Basha	
BASI	Baing, Sumba	
BASK	Baskale_VAN	
BASM	Basmak˜§i-Afyon	
BASO	Ashfield	
BASP	Panama	
BAT	Bayram-Ali	
BAT2	UHE Batalha	
BATAN	Batan	
BATC	Bat Cave Butte	
BATG	Bathurst New Brunswick	
BATH	Bath	
BATI	Baumata	
BATM	Batumi	
BATO	Ticaya	
BATP	Bataraza	
BAU	Ballabur	
BAUB	UHE Balbina	
BAUT	Bautismo	
BAUV	El Baul	
BAV	Blacksburg	
BAVM	Antelope Valley	
BAVN	Auguste-Victoria Mine North	
BAW	Bavra	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BA-WS	Baldwin	
BAY	Bayanday	
BAYA	Yate Dam	
BAYB	BAYBURT	
BAYC	CANAKKALE_Bayramic	
BAYK	Bayan-Aul	
BAYN	Bayana	
BAYT	Ayd¯–ntepe-Bayburt	
BB-	Bloomsburg	BB-PA
BB01	Montecillos	
BB02	La Guardia	
BB03	San Joaqu˜›n	
BB04	Tambo Quemado	
BB05	Carapari	
BB06	Yocalla	
BB07	Casarave	
BB08	Puerto Suarez	
BB16B	Bebedouro	
BB19	Bebedouro	
BB19B	Bebedouro	
BB22B	Bebedouro 22, SP (Brazil)	
BBA	Boulbra	
BBAC	Balboa, Cauca	
BBAL	Bala	
BBAT	Babati	
BBB	Bella Bella	
BBB4	Pezza	
BBC	Big Bear	
BBD	Blackbird State Forest	
BBEB	Bay Bridge East	
BBG	Brasstown Bald	
BBGB	Big Mountain Broadband	
BBGH	Gun Hill	
BBGM	Big Mountain	
BBH	Bruntsheil	
BBI	Big Bend	
BBIL	Ulba Tungurahua	
BBIR	Bucharest-INCERC-borehole	
BBJ	Bamboo Saint Ann	
BBKI	Banjar Baru	
BBL	Barber's Block	
BBLS	Lazići	
BBM	Big Bend	
BBN	Black Butte	
BBNM	San Benito	SBT
BBO	Besboro Island	
BBO1	Bothel	
BBOB	La Paz, Banderani	
BBOD	La Paz, Gloria	
BBOE	La Paz, Chanca	
BBOJ	La Paz, Jacaque	
BBOO	Buckleboo	
BBOR	Butler Butte	
BBOU	Bougnies	
BBP	Basco	
BB-PA	Bloomsburg	
BBR	Beebe Ranch	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BBRN	Bozburun-Marmaris	
BBS	Basel-Blauen	
BBSC	Beaumont Base	
BBSI	Bau Bau	
BBSP	Saint Philip	
BBSR	BB Station	
BBT	Barrage Ibn Batouta	
BBTK	Belbasi	
BBTN	Blue Bank Bayou	
BBTS	Babate	
BBU	Al Budayyi	
BBUT	Bumble Bee	
BBW	Black Birch	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BC03		BCA3
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BC2	Big Chuckwalla Mountains 2	
BC3	Big Chuckawalla Mtns, Desert Center	
BC3*		BCA3
BCA	Borcka	
BCA3	Beaver Creek Array Site 3	BCAR
BCAM	Yenicaga	
BCAO	Bangui	
BCAR	Beaver Creek Array Beam Reference Point	
BCB	Big Creek Baldy	
BCBC	Bella Coola	
BCC	Colson Canyon	
BCC1	Chapelcross	
BCCC	Bear Creek Country Club, Murrieta	
BCCH	Brava--Cachaco	
BCD	Casitas Dam	
BCE	Book Cliffs East	

Code	Station Name	Other
BCES	Court-Saint-Etienne	
BCG	Bois Riant Capesterre	
BCGM	Cienega Road	
BCH	Branch Mountain	
BCHC	Barbados, Cave Hill Campus	
BCHG	Becho	
BCHM	Black Canyon North	
BCI	Bajram Curri	
BCIP	Isla Barro Colorado	
BCK	Bucak	
BCKR	Birch Creek	
BCL	Casitas Lake	
BCLA	Clavier	
BCLQ	Boischatel	
BCM	Basin Creek	
BCN	Boulder City	
BCO	Cerro Blanco	RTCB
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BCPM	Bancas Point	
BCR	Bucaramanga	
BCRT	Bacon Ridge	
BCS	Baptist College of Charleston	
BCS*	Brasilia Array	
BCSO	Bloom-Carroll	
BCSR	Castelsaraceno	
BCT	Brookfield	
BCU	Bear Canyon	
BCUT	Brigham City	
BCVB	Bac Can	
BCW	Bitter Crk WRge	
BCWM	Chews Ridge	
BCX	Boston College	
BCYI	Bear Canyon	
BCZ	Braida Crags	
BD-	Bedford	BD-PA
BD01	Bergheim Laurentius Kirche	
BD02	Tagebau Bergheim	
BD03	Millendorf	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD07	Roetschberg	
BD08	Hambach Funkstation	
BD09	Hochneukirch	
BD10	Pesch	
BD11	Borschemich	
BD12	Bourheim	
BD13	Immerath	
BD14	Kuckum	
BD15	Terra Nova	
BDA	Boulder Dam	
BDAR	Ethiopian Broadband Seismic Experiment	
BDAS	Al Bad'	
BDB	Bagneres-Bigorre	
BDBC	Bennett Dam	
BDC	Boulder	
BDF	Brasilia (W)	
BDFB	Brasilia	
BDG	Badger Mountain	
BDGH	Bhadarwah	
BDH	Highclere	
BDHA	Al Bayda'	
BDI	Bagni Di Lucca	
BDID	Brownlee Dam	
BDL	Dobcross Hall	
BDM	Black Diamond Mines Park, Antioch	
BDMQ	Boondooma Dam	
BDMTA	Bald Mountain Lookout Tower, Alberta	
BDN	Bodon	
BDNM	Bernardo	
BDO	Budoia	
BDP	Broad Pass	
BD-PA	Bedford	
BDR	Baidarnaya	
BDRM	Kayabasi	
BDRN	Badran	
BDRS	Dareh Seyedi	
BDRWA	Bhadarwah	
BDS	Barbados	
BDSL	Dessel	
BDT	Bhumibol Dam	
BDU	Big Dutch Hollow	
BDV	Budva	
BDW	Boulder	
BE-	Belleview	BE-FL
BE13	Bebedouro13	
BEA	Beatty	BTY
BEAC	Beacon	
BEAD	Nord Galaele Koma	
BEAW	Beaver Mountain	
BEB	Belem	
BEB22	Bebedouro	
BEBN	Eben Emael	
BEC	Bermuda--Columbia	
BECQ	Becancour	
BECU	Ecuador Network	
BED	Bald Eagle	
BEDE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BEE	Al Areen	
BEEN	Beenleigh	
BE-FL	Belleview	
BEG	Bergheim	
BEH	Bench	
BEHE	Becsehely	
BEHM	Elkhorn Ranch	EKH
BEI	Bear River Range	
BEK	Belvue	
BEKR	Beckworth	
BEL	Belsk	
BEL3	Bella	
BELA	Belgrano 2	
BELAX	Ethiopian Broadband Seismic Experiment	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
BELG	Belogornoye	
BELI	Belica	
BELL	Bellavista	
BELO	BELONIA	
BELQ	Belleterre	
BELV	Belvedere	
BEM	Bemidji	
BEMM	Emmet	EMT
BEMT	Mount Belmont	
BEN	Bermuda-Navy	
BEND	Bend	
BENE	Beatrice	
BENI	Universita' Del Sannio	
BENN	Benn Knob	
BENR	Benton	
BENV	Bel"n	
BENWA	Benson Ranch	
BEO	Beograd	
BEP	Beppu	
BER	Bergen	
BERA	Berati	
BERA1	Berat	
BERE	Bereket-Mersin	
BERF	Bertagne	
BERG	Berg Lake	
BERGE	Lenzkirch (DE)	
BERI	Bernadia	BAD
BERL	Berlin (NY)	
BERN	Bernov	
BERNI	Berninapass	
BERR	Berezeni	
BERS	Berezovaya	
BERT	Berda	
BERU	Beregovo	
BES	Besancon	
BESB	Sao Joao Dos Patos	
BESE	Bessie Mountain	
BESHS	BESHS	
BESP	Borongan	
BEST	Besiri	
BET	Bethel	
BETC	Betania	
BETH	Bethel	
BETM	Bethany	
BETV	Betijoque	
BEU	Beuren	
BEV	Beverley	
BEVG	Clark Hill Reservoir	
BEVT	Boeing Everett	
BEW	Beaufort West	
BEY	Berane	IVA
BEYL	Beirut	
BEYR	Belyy Ugol+	
BEYT	Beykoz	
BF-	Bakersfield	BF-CL
BFC	Buffalo Canyon	
BF-CL	Bakersfield	
BFD	Bellfield	
BFF	Buffalo-Larkin	
BFM	Bigfork	
BFMT	Birchfield Mountain	
BFO	Black Forest	
BFOD	Brorfelde Observatory, Denmark	
BFRD	Fardella	
BFS	Buffelsfontein	
BFSB	Bamfield	
BFSC	Mount Baldy Ranger Station	
BFSD	Buffelsfontein	
BFT	Belfast (SA)	
BFW	Baw Faw Mountain	
BFZ	Birch Farm	
BG-	Bangor	BG-ME
BG3	Lake Jocassee	
BGA	Mount Bagana	
BGB	Big Butte	
BGC	Bolinger Road	
BGCA	Bogoin	
BGD	Bogdanovka	
BGES	Gesves	
BGF	Bois d'Agland	
BGG	Burgeitz	
BGH	Bear Gulch	
BGI	Bengkulu	
BGIO	Bar Giyyora	
BGK	Belogorka	
BGK2	Belogorka 2	
BGKT	Bogazkoy	
BGKY	Bowling Green	
BGL	Barrier Glacier	
BGLC	Bering Glacier BLM Camp	
BGLD	Berchtesgaden	
BGLV	Boslevi	
BGM	Big Mountain	
BG-ME	Bangor	
BGMR	Bucharest-Geological Museum	
BGMT	Barton Gulch	
BGN	Big Creek	
BGNE	Belgrade	
BGO	Bowling Green	
BGOL	Bingol	
BGP	Bagra	
BGR	Bangor (NY)	
BGRM	Barrier Glacier Two	
BGRQ	Glenroy	
BGSB	Baguashan	
BGSO	Bowling Green State University	
BGT	Bolshoye Goloustnoye	
BGU	Big Grassy Mountain	
BGUS	Bergheim	
BGV	Bac-Giang	
BGY	Belgrade	
BGZ	Barguzin	
BH-	Burwash Landing	BH-YK
BHA	Broken Hill	
BHAC	Bhachau	
BHAR	Bharisain	
BHAT	Bhatsa	
BHB	Bricherasio	
BHBD	Braunhartsberg	
BHC	Bohunice	
BHD	Baghdad	
BHDI	Bhandari	
BHE	Schloss Buerresheim	
BHG	Bad Reichenhall	
BHGR	Bahadurgarh	
BHH	Howats Hill	
BHHZ	Black Hill Station	
BHI	Bertha Hill	
BHJ	Bhuj	
BHK	Bhakra	
BHKY	Bowman Hall	
BHL	Bhannes	
BHM	Barham	
BHMT	Big Hole Peak	
BHO	Bethel	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BHOK	Bomura	
BHOU	Houvegnez	
BHP	Balboa Heights	
BHPC	Baldwin Hills Oil	
BHPL	Bhopal	
BHPR	Bishop	
BHRA	Bahrah	
BHRD	Bharudia	
BHRM	Hodges Ranch	
BHS	Barnard House	
BHSM	Hastings State Park	
BHSO	Botkins High School	
BHT	Blowhole	
BHU	Blowhard Mountain	
BHUJ	Bhuj	BHJ
BHUT	Beaver	
BHV	Bhavnagar	
BHW	Baring Head	
BHXE	Hunxe	
BH-YK	Burwash Landing	
BI-	Big Stone Gap	BI-VA
BI02	San Fabi¨¡n de Alico	
BI03	Tigo	
BI04	Isla Mocha	
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BIA	Bitola	
BIAC		DIAC
BIAL	Bialla	
BIB	Bowen Island	
BIBA	Brigerbad	
BIBL	Bibli¨¡n	
BIBN	Bibbiana	
BID	Bidston	
BIDA	Albida	
BIDO	Bidbid	
BIDS	Bi'r al Bayda'	
BIE	Brione	
BIG	Big Mountain	
BIGH	Upper Bighouse, Forsinard	
BIHA	Biharamulo	
BIL2	Estacion Bilbao	
BILB	Tungurahua volcano	
BILE	Bilecik/Merkez-Dede RL	
BILI	Bilibino, Chukotka	
BILL	Bilibino	
BIM	Bigot	
BIN	Binsa	
BING	Binghamton	
BINT	Bingol	
BINY	Binghamton	
BIO	Biorka	
BIP	Bislig	
BIPH	Bislig	
BIPS	Buchanan	
BIR	Birlad	
BIRA	Biratnagar	
BIRD	Birdtown, Kershaw	
BIRH	Ethiopian Broadband Seismic Experiment	
BIRU	Birjand	
BIRV	Birongo	
BIS	Bismark Peak	
BISC	BISOCA	
BISH	Bishah	
BISR	Bishrakh	
BISRR	Bisoca	
BISS	Bistriski jarek	
BIT	B. Ibn Batouta	BBT
BIU	Bingham Canyon	
BI-VA	Big Stone Gap	
BIW	Bindweide	
BIX	Bixby	
BIZ	Bicaz	
BJA	Jaww	
BJCM	Johnson Can.	JHC
BJDM	Burrinjuck Dam	
BJEM	Burrinjuck	
BJI	Beijing	
BJI2	Beijing	
BJII	Banjamegara	
BJMA	Bojnurd	
BJO	Bjornoya	
BJO1	Bjornoya	
BJOM	Mount Johnson	
BJR1	Bachatsky 1, Kuzbass, Russia	
BJR2	Bachatsky-2, Kuzbass, Russia	
BJR3	Bachatsky-3 (Starobachaty), Kuzbass, Russia	
BJR4	Bachatsky-4, Kuzbass, Russia	
BJRD	Bojnu@18rd	
BJT	Baijiatuau	
BJU	Chiapas	
BJUU	Bjuv	
BK-	Bald Knob	BK-AR
BKA	Kennedy	
BK-AR	Bald Knob	
BKB	Balikpapan	
BKB2	Balikpapan	
BKBA	Bukoba	
BKC	Brookwood Reservoir	
BKCOR	Black Crater	
BKE	Bekescsaba	
BKG	Blockade Glacier	
BKHT	Bunker Hill	
BKI	Bering	
BKJ	Big Koniuji Island	
BKL	Bakel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BKLT	Bekalta	
BKM	Butte a Klehm	
BKN	Blacknest	
BKNI	Bangkinang	
BKO	Bokosso	
BKOA	Assam	
BKR	Bakuriani	
BKRC	Baker	
BKRG	Bakuriani	
BKS	Berkeley--Byerly	
BKSI	Bulukumba	
BKT	Bakacak	
BKU	Beaver Lake Mountains	
BKZ	Black Stump Fm	
BL-	Beckley	BL-WV
BL1	Borgo	BSL
BL67	Building 67, Lawrence Berkeley Lab, Berkeley, CA	
BL88	Building 88, Lawrence Berkeley Lab, Berkeley, CA	
BLA	Blacksburg	
BLAC	Blackrock camp	
BLAF	les Blancs	
BLBC	Blue River	
BLBQ	Baie-St-Paul	
BLC	Baker Lake	
BLCB	Balcova	
BLCC	Black Canyon	
BLCH	La Chartreuse	
BLCS	Bulochka	
BLD	Baljuvan	
BLDC	Black Mountain	
BLDU	Ballidu	
BLE	Bellville	
BLEU	Blekinge	
BLF	Bloemfontein	
BLG	Laguna Peak, Port Hueneme	
BLGA	Beluga	
BLGI	Bet Lehem HaGelilit	
BLGM	Bulgan	
BLH	Bald Hill	
BLHA	Black Hill	
BLHR	Bucharest-Stefan cel Mare Str.	
BLI	Bleialf	
BLIS	Bitlis-Merkez	
BLIT	Baltah	
BLJ	Bijeljina	
BLJI	Banyuglugur	
BLJS	Baljurashi	
BLK	Black Butte	
BLKB	Belogradchik	
BLKC	Black Mountain	
BLKT	Balakot	
BLL	Bellingham	
BLLA	Bellaria	
BLLM	Bellamira	
BLLO	Bulolo	
BLM	Blue Mountain	BMT
BLM*	Bell Mountain	
BLMT	Blacktail Mountain	
BLMY	Blum	
BLN	Blyn Mountain	
BLNT	Belen	
BLO	Bloomington	
BLP	Lompoc	
BLPI	Bilaspur	
BLQ	Beylaqan	
BLR	Black Rapids	
BLRM	Lewis Ranch	
BLRR	Bol'shaya Rechka	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
BLSD	Baie du Lac Sali	
BLSI	Bandar Lampung	
BLSP	Bilaspur	
BLSR	Buluus	
BLSS	Belie Skali	
BLT	Belted Range	
BLTW	Bickleton	
BLU	Blue Ridge	
BLV	Bailadores	
BLVT	Baltimore	
BLW	Big Hill	
BL-WV	Beckley	
BLWY	Bulawayo	
BLY	Banja Luka	
BLYC	Blythe	
BLZ	Bolzano	
BM-	Balmorhea	BM-TX
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03	Burnt Mountain Array Site 3	BM3
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
BM3	Burnt Mountain Array Site 3	
BMA	Barra Mansa	
BMAR	Burnt Mountain Array Beam Reference Point	
BMAS	Trigal station	
BMAT	Maratea	
BMB	Barrage Mohamed Ben Abdellah	
BMBC	Bull Mountain	
BMCM	McPhails Peak	
BMD	Beni Messoud	
BMDN	Meydan	
BME	Barrage Mansour Eddahbi	
BMG	Bucaramanga	
BMHM	Mount Harlan	
BMI	Bomdila	
BMK	Barrage El Makhazine	
BMK*		BMKM
BMKM	Barrage Mohammed V	
BMKR	Bomnak	
BMKS	Bomnak	
BML	Blue Mountain Lake	
BMM	Big Maria Mountains	
BMN	Battle Mountain	
BMNI	Bima	
BMNM	Bear Mountains	
BMNS	Besmoynak	
BMO	Blue Mountains Array	
BMO1	UHE Belo Monte	
BMO2	UHE Belo Monte	
BMOL	Mol	
BMOR	Cotopaxi Volcano	
BMR	Baia Mare	

Code	*Station Name*	*Other*
BMRD	Maredsous	
BMRM	Bremner River	
BMRO	Meriville Lake	
BMRR	Black Mountain	
BMS	Big Muddy Lake	
BMSB	Bamfield Marine Station	
BMSH	Bir Mashi	
BMSM	Mercy Hot Springs	
BMT	Blue Mountain	
BMT*	Black Mountain	
BMTC	Bear Mountain	
BMTN	Black Mountain	
BM-TX	Balmorhea	
BMU	Muharraq	
BMUT	Black Mountain	
BMV	Son La	
BMW	Boistfort Mountain	
BMY	Bingley Moor	
BN1H	Brisbane Hard Rock	
BN2S	Brisbane 2 Soft	
BNA	New Abbey	
BNAB	Bonilla	
BNALP	Bannalp	
BNAS	Cotopaxi Volcano	
BNB	Barry Inlet	
BNC	Bambui	
BND	Bandung	
BNDI	Bandanaira	
BNDS	Bandar-Abbas	
BNE	Burnie High School	
BNG	Bangui	
BNGB	Bing˚¶ll	
BNGL	BINGOL	
BNGR	Bahawalnagar	
BNH	Berlin	
BNI	Bardonecchia	
BNJ	Bonny Gate	
BNKB	Banks Island	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BNM	Barren Site	
BNN	Bunyan	
BNON	Benoni	
BNP	Banawang	
BNPN	Boundary Peak	
BNR	BHIKNUR	
BNS	Bensberg	
BNSI	Bone	
BNT	Bandirma	
BNV	Benevento	
BNY	Binghamton	
BO-	Brewton	BO-AL
BO01	Tunca	
BO02	Sierra Bellavista	
BO03	Pichilemu	
BO1	Boulder	
BOA	Boaco	
BOA1	Boaco	
BOAB	BOACO BROADBAND	
BOAC	Boac	
BO-AL	Brewton	
BOAV	Boa Vista	
BOB	Bobbio (Coli)	
BOBI	B˚¶bikon, Wasserreservoir Allmend, AG	
BOC	Bochum	
BOCO	Bogota	
BOD	Bodaibo	
BODR	Bodie	
BODT	Bodrum	
BODY	Near Bada	
BOF	Bonneval	
BOG	Bogota	
BOH	Bohocortia	
BOI	Boisen	
BOIN	Boiestown	
BOJ	Boujaaouane	
BOJS	Bojanci	
BOK	Bokaro	
BOKO	BOKO	
BOKR	Bokaro	BOK
BOL	Bologna	
BOLM	Sugar Bowl	
BOLP	Bolinao	
BOLS	Boljevac	
BOLV	Bolvadin	
BOM	Bombay	
BON	Bonds Corner	
BON1	Bonao	
BONI	La Bonita	
BONIF	Phare de Pertusato	
BONR	Boundary Peak	
BOO	Bordano	
BOOC	South Base Booster	
BOOM	Boomskoye uschel'e	
BOON	Boondooma	
BOPT	Opiter	
BOQS	Boqueron	
BOQSS		
BOR	Borzhomi	
BORA	Eskisehir	
BORC	Borrego Springs	
BORE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BORG	Borgarnes	
BORI	Bordano	BOO
BORM	Bormio	
BORS	Borseda	
BORU	Boraas	
BOS	Bosque Alegre	
BOSA	Boshof	
BOSB	Boseong-gun	
BOSC	San Juan Bosco	
BOSI	Bolzano	
BOSL	Borgo San Lorenzo	
BOSS	Bosilegrad	
BOST	Ostende	
BOT	Bacolet	
BOTM	Botticino Mattina	
BOTS	Marmara Ereglisi-Tekirdag	
BOTT	Botticino	
BOTV	Botiquin	
BOU	Boulder	
BOUC	Bouclans	
BOURR	Bourrignon	
BOV	Bogong Mts	
BOVS	Bovan	
BOW	Bowman	
BOX	Box Canyon	
BOXN	Box Lake	
BOY	Boyalica	
BOYA	Sinop/Boyabat-Salar	
BOYT	Boyabat	
BOZ	Bozeman (W)	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BOZY	Bozyazi-Mersin	
BP-	Bishop	BP-CL
BPA	Boggy Peak	
BPAT	Tungurahua Volcano	
BPAW	Bear Paw Mtn.	
BPBC	Brooks Peninsula	
BPBCA	Veniaminof	
BPCB	Bare Point	
BP-CL	Bishop	
BPCM	Pine Canyon	
BPCNC	Pine Canyon	
BPFM	Pfieffer Point	
BPI	Johannesberg	
BPIL	Belle Prairie	
BPIM	Pinnacles	
BPK	Black Peak	
BPM	Bucksport	
BPMT	Black Pine Ridge	
BPO	Bald Peter	
BPOM	Post Ranch	
BPPM	Pinyon Peak	
BPRM	Ponciano Ridge	
BPT	Bridgeport	
BPU	Bountiful Peak	
BQA	Beqa	
BQ-AK	Bethel	
BQB	Bob Quinn Lake	
BR-	Berlin (Penn)	BR-PA
BR00	Belbasi Site	BRAR
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR1	Brisbane hardrock	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BR2	Brisbane softrock	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
BR31	Belbasi Array Site 31	BRAR
BRA	Bratislava	
BRAG	Branistea	
BRAL	Brewton	
BRAN	Las Pilas	
BRANT	Les Verrieres	
BRAR	Belbasi Array Beam Reference Point	
BRAS	Brasopolis	
BRAT	Ballarat	
BRB	Barbados	
BRBA	Barentsburg A	
BRBB	Barentsburg B	
BRBC	Blue Ridge Broadcasting Company	
BRBR	Barbar	
BRC	Barley Canyon	
BRCH	BAHRAICH	
BRCI	Bahraich	
BRCN	Bracie Corner	
BRCO	Bruce Peninsula	
BRCR	Berchikul'	
BRD	Bordesti	
BRDA	Ba@14rda@14	
BRDG	Blue Ridge	
BRDH	Bariadhala	
BRDR	BURDUR-Merkez	
BRE	Wroclaw	
BREC	Barre Substation	
BREF	Cotopaxi Volcano	
BREI	Breisach am Rhein	
BREM	Bremgarten	
BRES	Bressanone	
BRET	Bretten	
BREU	Bredtraesk	
BRF	Ar Rifa	
BRG	Berggiesshubel	
BRGA	Burgazada-Istanbul	
BRGC	Borrego Mountain	
BRGM	Braggadocio	
BRGNA	Bergen	
BRGZ	Burgazada	
BRH	Birch Hill	
BRH1	Barahona	
BRHE	Rheinberg	
BRHS	Bolshoi Rechka	
BRI	Brig	
BRIB	Briones	
BRIE	Brienza	
BRIS	BRISIGHELLA	
BRIU	Brid	
BRIV	Barinas	
BRJ	Black River	
BRJN	Brijuni	
BRK	Berkeley--Haviland	
BRKS	Brookside Elementary School	
BRL	Berlin--Free University	
BRLDA	Berland Lookout Tower, Alberta	
BRLK	Bradley Lake	
BRLS	Borolday	
BRM	Bernie	
BRMAR	Keskin MP Array Beam Reference Point	
BRMM	Rolling Bench Mark	
BRMO	Bormio	
BRN	Berlin	
BRNE	Bradley Lake NE	
BRNG	Burnasheti	
BRNI	Bet Oren	
BRNJ	Basking Ridge	
BRNL	Berlin--Lankwitz	
BRNM	Bernie	
BRNS	Bernies	
BRNW	Bradley Lake NW	
BRNY	Black Rk. Forest	
BRO	Bare Mountain	
BROG	Barisakho	
BROM	Bains de Bromines	
BROR	Big Rock Lookout	
BRP	Bottle Rock Power	
BR-PA	Berlin	
BRPK	Brown Peak	
BRPO	Bonnechere River Park	
BRQR	Ronqui˜¤re	
BRR	Berryman	
BRRC	Barranca, Santander	
BRS	Brisbane	
BRSB	Brisbane	
BRSD	Miller	
BRSE	Bradley Lake SE	
BRSN	Barisano	
BRSW	Bradley Lake SW	
BRT	Bari-Castellana	
BRTC	Bertell Ranch	
BRTN	Brown Mountain	
BRTR	Keskin Array Beam Reference Point	
BRU	Baru	
BRU2	Volcan	
BRUG	Bruguera	
BRUN	Tungurahua Volcano	
BRUT	Bromley	
BRV	Barrow	
BRVK	Borovoye	
BRVM	Little Rabbit V.	LRV
BRVW	Black Rock Valley	
BRW	Barrow	
BRWK	Brunswick	
BRY	Bratogost	
BRYW	Bryant College	
BRZ	Borland Lodge	
BRZS	Berezniki	
BS01	CO. Balc˚‡n	
BS02	Patallajta	
BS03	Mojotorillo	
BS04	Villa Nueva	
BS05	Cuyupaya	
BS06	Camiri	
BS07	San Felipe	
BS08	Valle Grande	
BS09	Huarina	
BS10	CO. Tuti	
BSA	Byrd (S.R.I.)	BY1
BSBM	Swanson's Bluff	
BSC	Santa Cruz Island	
BSC3	Bisaccia	
BSCB	Bom Sucesso	
BSCM	Stone Canyon	
BSCP	Brocks Farm	
BSD	Bornholm Skovbrynet	
BSD*	Akirkeby	BSD
BSE	Boise	
BSEG	Bad Segeberg	
BSF	Ballon Servance	
BSFB	Barra de Sao Francisco	
BSFP	Boeing Fire Protection	
BSGM	Shirttail Gulch	SHG
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BSHR	Al Beshri	
BSI	Banda Aceh	
BSK	Brimstone Hill	
BSK4	Belie Skalie	
BSKQ	Steenkerk	
BSL	Borgo	
BSLM	Silva Ranch	
BSLQ	Bruslee	
BSM	San Miguel Island	
BSM1	Besham	
BS-MA	Billings	
BSMM	Soledad Mission	
BSMT	Bassoo Peak	
BSN	San Nicolas Island	
BSO	Bsor	
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
BSP	Bush Stream	
BSPQ	Baie-St-Paul	
BSPT	Big Springs	
BSR	Basra	
BSRM	Salinas Radio Site	
BSRN	Basiran	
BSS	Baronissi	
BSSI	Bau Bau, Buton	
BSSO	Busso	
BST	Brest	
BSTF	la Bastide-des-Jourdans	
BSTI	Sart Tilman	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
BSTP	Nigde	
BSTR	Bucharest-Scientist's House	
BSUT	Blindstream Canyon, Hanna	
BSWZ	Blackbirch Station	
BSY	Bisya	
BSYO	Bisya	
BSZ	Bushy Park	
BSZH	Besenysz˚¶g	
BT-	Bates	BT-OR
BTA	Talkin	
BTAM	Cotopaxi Volcano	
BTAS	Taskesti	
BTB	Buttle Lake	
BTC	Butembo	
BTCC	Brunts Corner	
BTCH	Batrach	
BTCO	Belmont College, St. Clairsville	
BTDF	Bukit Timah Dairy	
BTE	Batoke	
BTEZ	Ruhr-University Bochum--Technical Center	
BTG	Basse Terre	
BTGS	Batagay	
BTH	Betharram	
BTHS		
BTHT	Jabal bu Thady	
BTI	Bat Shelomo	
BTIN	Bart˜–n	
BTK	Batken	
BTKR	Batakoyurt	
BTL	Butler Peak	
BTLC	Betulia, Santander	
BTLK	Bitlis	
BTLR	Botlikh	
BTLS	Baital	
BTM	Bintulu	
BTMB	Babushkin	
BTMN	Batman	
BTMR	Bucharest-Geotec Company	
BTMT	Batman	
BTN	Butuan	
BTNG	Baratang	
BTNI	Buton	
BTNK	Botanikuri	
BTNL	Ternell	
BTO	Baotou	
BTOK	Tokmak	
BT-OR	Bates	
BTP	Batelco	
BTPC	Burnt Peak	
BTR	Butare	
BTRC	Tricarico	
BTU	Barney Top	
BTW	Bitterwater Creek	
BTY	Beatty	
BU-	Buckingham	BU-QB
BUA	Buia	
BUAI	Buenos Aires	
BUAY	Buenos Aires	
BUB	Buchberg	
BUC	Bucharest	
BUC1	Bucharest	
BUC2	Bucharest	BUC1
BUCA	Burdur/Bucak-Gˆ…ndo˜du	
BUCF	Bucures@17ti--IRSA	
BUCH	Bad Urach	
BUCK	Buck Mountain	
BUCM	Buckrabanyule	
BUCN	Buchan	
BUD	Budapest	
BUDM	Budderoo	
BUE	Buenavista	
BUEV	Buena Vista	
BUF	Buffalo	
BUFB	Buffelsbos	
BUG	Bochum--University	
BUGC	Buga	
BUGS	Bugetsay	
BUH	Buhlerhohe	
BUHA	Bal˜–kesir/Burhaniye-Dutluca	
BUI	Burke	
BUII	Buia	BUA
BUJR	Buynaksk	
BUK	413	
BUKA	Buka	
BUKO	Buck Lake	
BUKP	Musuan	
BUL	Bulawayo	
BULB	Ulba Tungurahua	
BULE	Bulengo	
BULG	Bulgheria - Camerota	
BULI	Ruhr-University Bochum - Language Institute	
BULL	Bull Run Dam	
BULN	Bullion Camp, Hudson Bay	
BULU	Kimbe	
BUM	Brajici-Budva	
BUN	Bunnythorpe	
BUNC	Butner	
BUNG	Bungee Jump	
BUNI	Buntu Taipa	
BUO	Burlington	
BUOR	Burton Butte	
BU-QB	Buckingham	
BUR	Burlington	
BUR01	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR07	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUR32	BURAR	
BUR33	BURAR	
BURAR	Bucovina Array	
BURD	Burdekin Lookout	
BURG	Albstadt-Tailfingen-Burg	
BURJ	Burma	
BURN	Burns	
BURU	Burvik	
BURY	Giardini Botanici Hanbury, Ventimiglia (IM), Italy	
BUS	Buena Vista	
BUSP	Coron	
BUT	Butte	
BUTA	Ethiopian Broadband Seismic Experiment	
BUTB	Butedale	
BUTP	Butuan	
BUTX	Baylor University	
BUV	Buchan	
BUW	Bucklebury West	
BUWY	Burn	
BUY	Buyukada	
BUYA	Buyukada-Istanbul	
BUZR	Buzau	
BV-	Belleville	BV-PA
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BVA	Buena Vista	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	

Code	Station Name	Other
BVA4	Borovoye Array Site A4	
BVAR	Borovoye Array Beam Reference Point	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BVC	Bear Valley Observatory	NOLM
BVC2	Cotopaxi Volcano	
BVCR	Bucharest-Old Court	
BVCY	Beaver Creek	
BVD	Bellevue State Park	
BVG	Bouganvilia	
BVH	Beverly Hills	
BVIG	Viggiano	
BVIL	Belleville	
BVK	Beaver Lake	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVM	Bellevue	
BVOC	Bila Voda	
BV-PA	Belleville	
BVR	Beaver	
BVRS	Bavra	
BVT	Borgo Val di Taro	
BVTM	Michoacan	
BVV	Ba Vi	
BVW	Beverly	
BVYM	Vineyard	
BW-	Blewett	BW-WA
BW06	Boulder Array Site 6	
BW2S	Bowen Soft Rock	
BWA	Boorowa	
BWD	Brandywine Creek State Park	
BWH	Wardlaw	
BWI	Barbuda	
BWJI	Bawean	
BWLO	Walkerton	
BWN	Browne	
BWNR	Bhubaneshwar	
BWP	Baguio Weather Station	
BWTI	Baumata	
BW-WA	Blewett	
BWZ	Berwen	
BX-	Blanding	BX-UT
BX-UT	Blanding	
BY1	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
BYAR	Belyy Yar	
BYB	Berrybush	
BYBT	Boyabat	
BYD	Bredaryd	
BY-IO	Bloomfield	
BYJI	Banyuwangi	
BYL	Byron's Ledge	
BYN	Bayano	
BYO	Bayan-Olgiy	
BYR	Byrd	
BYRJ	Bayer	
BYT	Bytom	
BYU	Brigham Young University	
BYX	Boyer Ranch	
BYXU	Byxelkrok	
BYZN	Byzanz	
BZ-	Buckhannon	BZ-WV
BZE	Bozeman	
BZER	Hlnxe	
BZEV	Zevekote	
BZGR	Bezymyannyi-Griva	
BZK	Bozkurt	
BZM	Bozeman	
BZMR	Bezymyannaya	
BZMS	Bezymyanka	
BZMT	Bozeman Pass	
BZN	Bogi-Zagon	
BZNA	Buzz No.'s Place	
BZRK	Zereshkeh	
BZS	Buzias	
BZWR	Bezymyannyi-West	
BZ-WV	Buckhannon	
C004	Frazione Salia	
C01	C01	
C02	C02	
C03	C03	
C03A	Quillayute Airport, Forks	
C04	C04	
C04A	Brinnon	
C05	C05	
C055	Cottonwood Avenue, Hayward	
C05A	Tolt Reservoir	
C06	C06	
C06A	Tall Timber Ranch, Leavenworth	
C06D	Leavenworth	
C07	C07	
C07A	Waterville	
C08	C08	
C08A	Higginbotham Farm, Almira	
C09A	Chrisman Ranch, Davenport	
C10A	Spilker Farm, Colbert	
C11	C11	
C11A	Tepee Creek (NFS), Magee	
C12	C12	
C12A	Trout Creek	
C12B	Naegeli Ranch, Trout Creek	
C13	C13	
C13A	Hot Springs	
C14	C14	
C14A	Swan Lake	
C15A	Salmond Ranch, Choteau	
C16	C16	
C16A	Fuhringer Ranch, Dutton	
C17A	Wharram Farm, Highwood	
C18	C18	
C19A	Slack Wire Ranch, Winifred	
C1SC	The Citadel Site 1	
C20	C20	
C20A	Veseth Ranch, Zortman	
C21	C21	
C21A	Desert Coulee Ranch, Glasgow	
C22	C22	
C22A	Vida	
C23	C23	
C23A	Lambert	
C24A	Savage	
C24MA	Colegio 24 de Mayo	
C25A	Freed Ranch, Watford	
C26A	Wahner Farm, Parshall	
C27A	Sayler Ranch, Douglas	
C28A	Hausauer Farms, Kief	
C2SB	Chapadao do Sul	
C2SC	The Citadel Site 2	
C30A	Mose, Pekin	
C31A	Landman Farms, Northwood	
C32A	Crookston	
C33A	Trail	
C34A	RKJ Ranch, Bemidji	
C35A	Jirik Farms, Max	
C36A	Pine Crest Farm, Angora	
C36M	Paulatuk	
C37A	Embarrass	
C38A	Sawbill Land. Superior Nat. Forest USFS	
C39A	Grand Marais	
C40A	Isle Royale National Park	
CA-	Caryville	CA-TN
CA02	CA02	
CA03	CA03	
CA04	CA04	
CA05	CA05	
CA06	CA06	
CA07	CA07	
CA08	CA08	
CA09	CA09	
CA10	CA10	
CA11	CA11	
CA12	CA12	
CA13	CA13	
CA15	CA15	
CA16	CA16	
CA17	CA17	
CA18	CA18	
CA19	CA19	
CA2	Cagliari Serpeddi	CGL
CA20	CA20	
CAA	Chanaral	
CAB	Cabramurra	
CABA	Caballo Blanco	
CABF	La Chapelle	
CABP	Cabo Pasado	
CABS	Djebel Ababsia	ABSA
CAC	Calama	
CACB	Caconde	
CACC	Caltech Cellar	
CACH	El Canelo	
CACM	Antioch	
CACV	CAICARA DEL ORINOCO	
CAD	Cady Mountains	
CADA	Capodarco di Fermo	
CADI	Tunel del Cadi	
CADM	Anderson Res.	ADR
CADS	C@19adrg	
CAE	Caneva	
CAEH	'Ain El Ouahch	
CAEL	Denizli/ˆameli-Kalˆ–nkoz	
CAF	Calviac	
CAFE	Carife	
CAFI	Castiglion Fiorentino	
CAFR	Castel Frentano	
CAFV	EL CAFE	
CAG	Caguas	
CAGN	Cagnes-sur-Mer	
CAGR	Agira	
CAGT	Chagyl	
CAH	Castle Hill	
CAHC	Cahuilla Valley	
CAHL	Cahill	
CAHU	Cacacuatique	
CAI	Caico	
CAIG	El Cayaco	
CAIM	Angel Island	AGC
CAIV	Caiguire	
CAL	Calcutta	
CALA	Caldeira	
CALB	Calabasas	
CALC	California City	
CALF	Calern	
CALI	Calice al Cornoviglio	
CALM	Calaveras Res.	CVR
CALN	Calern	
CALP	Taal Volcano	
CALV	Calvario	
CAM	Cambridge	
CAM01	Campos-RJ	
CAM1	Macae	
CAM2	Attock	
CAM3	Guarapari	
CAM4	Nova Friburgo	
CAMA	Camapuan	
CAMB	Cambridge (NY)	
CAMC	Camarillo Hills	
CAME	Cameli-Denizli	
CAMI	Rancho Maria	
CAMM	Veracruz	
CAMN	Camsell Lake	
CAMP	Campotosto	
CAMV	Campeare	
CAN	Canberra	
CAN1	UHE Cana Brava	
CAN3	Cana Brava	
CANA	Caviahue	
CANB	Canakkale	
CAND	Candarli	
CANF	Canfranc	
CANG	Candelarita	
CANN	Canning Dam	
CANR	Candelaria	
CANT	Cankiri	
CANV	Cerro Antonio	
CANY	Canisius	BUF
CAO	Cobano	
CAOM	Arnold Ranch	ARN
CAOV	Caicara del Orinoco	
CAP	Capodimonte	
CAPA	Cerignola FG	
CAPC	Capurgana	
CAPCA	Capra Ranch	
CAPN	Captain Cook Nikiski	
CAPR	Capriolo	
CAPU	Utah State Capitol	
CAPV	Capacho	
CAR	Caracas	
CAR1	CAROLEI	
CARA	Val dAran	
CARB	Mount Cartier	
CARC	Carrizo Plain	
CARD	Cardoso	
CARE	Lago del Careser	
CARF	Carcanieres	
CARL	Carlisle	
CARM	Carmen	
CARO	Carolei	
CARS	Cars	
CART	Cartagena	
CARV	Caracas	
CAS	Casamari	
CAS01	Occhiobello (RO)	
CAS02	Vigarano Mainarda (FE)	
CAS03	Settepolesini, Bondeno (FE)	
CAS04	Vigarano Pieve (FE) fraz. Diamantina	
CAS05	San Carlo, Sant'Agostino (FE)	
CAS06	Vigarano Mainarda (FE)	
CAS07	S.Agostino (FE)	
CAS08	Chiesa Nuova, Poggio Renatico (FE)	
CASA	Carruther's Hill	
CASC	Dorado de Cascales	
CASI	Castillo	
CASL	Cascajal	
CASM	Ain Smara	
CASO	Castillo	
CASP	Castiglione della Pescaia	
CASR	Casa Diablo Mountain	
CAST	Castle Rocks	
CASW	Cayambe	
CASY	Casey	
CAT	Catania	
CATA	Catuaro Arriba	
CATE	Catamayo	
CATM	Catron	
CA-TN	Caryville	
CATZ	Catanzaro	
CAUB	Caruaru	
CAUP	Cauayan	
CAUQ	Cauquenes	
CAV	Cavalese	
CAVC	Cave Mountain	
CAVE	Cavezzo	
CAVI	Cavuskoy	
CAVK	Edirne/Enez-Cavuskoy	
CAVM	Cavillon	
CAVN	Les Avellanes	
CAVT	Castelvetrano	
CAVTT	Cavuskoy	
CAW	Cannon Point	
CAY	Cayenne	
CAYA	Cayambe	
CAYR	Refugio Cayambe	
CAZ	Castlepoint	
CAZE	Cazenovia	
CB01	Cambridge Bay Array Site 1	
CB02	Cambridge Bay Array Site 2	
CB02E	CB02E	
CB03	Cambridge Bay Array Site 3	
CB03E	CB03E	
CB04	Cambridge Bay Array Site 4	
CB04B	CB04B	
CB05	Cambridge Bay Array Site 5	
CB05A	CB05A	
CB05B	CB05B	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB07E	CB07E	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CB09E	CB09E	
CB1	Chesbro Res. 1	ADR
CB10	Mt Hamilton Road	MHR
CB11	Cambridge Bay Array Site 11	
CB11E	CB11E	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB2	Calero Reservoir	
CB3	Chesbro Res. 3	COE
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB7	Poverty Ridge	
CB8	Chesbro Res. 8	
CB9	Mines Road	MNR
CBA	Cold Bay	
CBAR	Cambridge Bay Array Beam Reference Point	
CBB	Campbell River	
CBBF	Combe Brimond	
CBBR	Cluj-Babes-Bolyai University	
CBC	Chamberlain	
CBCC	Caltech Broad	
CBCH	Cabildo	
CBCY	The Bluff, Cayman Brac	
CBD	Cypress Bend	
CBE	F"f", Capesterre Belles Eaux	
CBET	Carlsbad E Tower	
CBEU	Beuda	
CBHM	Coso Basin North	
CBHT	Chr Bro Hi School	
CBI	Chichi jima	
CBIJ	Chichi jima	
CBJI	Citeko	
CBK	Corner Brook	
CBKC	Canebrake	
CBKS	Cedar Bluff	
CBLA	Cariblanco	
CBLG	Bald Mountain Lookout	
CBM	Caribou	
CBMO	Girardeau Bridge	
CBN	Corbin Fredericksburg Observatory	
CBND	Bou Andas	
CBO	Chesbro Reservoir	
CBOC	Ciudad Bolivar, Antioquia	
CBOG1	Bogota, SGC	
CBP	Campbellpur	
CBR	Cabramurra	
CBRG	Chuberi	
CBRI	Barrientos, Norte de Santander	
CBRM	Bolinger Road	BGC
CBRQ	Cabonga Reservoir	
CBRU	Bruguera	
CBS	Caborca	
CBSM	Byron Hot Springs	
CBSNC	Byron Hot Springs, Alameda County	
CBSW	Chelan Butte South	
CBT	Christianburg	
CBTI	Cedar Butte	
CBTN	Chibotane	
CBVB	Cao Bang	
CBW	Chelan Butte	
CBW1	Budock Water	
CBWM	Brookwood Res.	BKC
CBX	Cerro Bola	
CBY	Cold Bay	
CBYB	Canovanas	
CBYP	Canovanas	
CBZ	Campbell Island	
CBZL	Buffer Zone	
CBZM	Michoacan	
CC01	CC01	
CC03	Monteleto	
CC03E	CC03E	
CC05	CC05	
CC06A	CC06A	
CC06B	CC06B	
CC07	CC07	
CC08A	CC08A	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
CCA	Coamo	
CCA1	Carnmenellis	
CCAC	Calif City Airpt	
CCAN	Las Canadas	
CCAR	Cane Creek	
CCAS	Cassa de la Selva	
CCAZ	Cataract Creek	
CCB	Clear Creek Butte	
CCC	Cusp Creek	
CCCA	Chr Cany lake	
CCCC	Cccc	
CCCH	Con Con	
CCD	Concordia, Antarctica	
CCE3	Bocca Seriola	
CCF	CONSTANTA	
CCG	Camp Century	
CCH	Cochabamba	
CCHE	Chesterland	
CCHI	Chillan	
CCHK	Cheung Chau	
CCI	Cagliari Citta	
CCIG	Comitan	
CCK	Cocos Island	
CCLV	Calvizzano	
CCM	Cathedral Cave	
CCMO	Creve Coeur	
CCMT	Clark Canyon Reservoir	
CCMX	Caleta Campos	
CCN	Cachucha Ranch	
CCN3	Pietralunga	
CCNC	Camp Creek Bald	
CCNE	Clay Center	
CCNM	Crow Canyon Rd	CYC
CCNY	Canisius College, New York, USA	
CCO	Chico	
CCO1	Constantine	
CCOB	Coe Ranch Number 3	
CCODA	Codazzi, Cesar	
CCOK	Camp Classen	
CCOM	Coe Ranch	COE
CCP	Cebu City	
CCPC	Citt' di Castello	
CCPU	Cedar City Park	
CCR	Chacarita	
CCRB	Cholame Creek	
CCRM	Cairn Curran	
CCRT	Cow Camps Rge	
CCS	Cawcaw Swamp	
CCSP	San Pedro de Concepcion	
CCT	Chilecito	
CCU	Cedar City	

Code	*Station Name*	*Other*
CCUC3	Cucuta, Santo Domingo	
CCUFI	Cufi˜–o, Nari˜–o	
CCUM	Cumbre, El Hierro	
CCUT	Cedar City	
CCVA	Cudjo Caverns	
CCVB	Con Cuong	
CCW	Cape Campbell	
CC-WA	Cascade Tunnel	
CCX	Cicese	
CCYM	Coyote Hills	
CD01	CD01	
CD04	CD04	
CD06	CD06	
CD07	CD07	
CD10	CD10	
CD11	CD11	
CD12	CD12	
CD14	CD14	
CD15	CD15	
CD16	CD16	
CD17	CD17	
CD19	CD19	
CD2	Chengdu	
CDA	Cape Douglas	
CDAG	Cicekdag	
CDAL	Dalton Road	
CDAM	Ciudad Altamirano	
CDB	Caldarusani	
CDC	Canada Road	
CDCA	Citt' di Castello	
CDCB	Carmo do Cajuru	
CDCH	Caldera	
CDD	Cape Douglas	
CDF	Champ du Feu	
CDFW	Cedar Flats	
CDG	Carters Dam	
CDH1	Calico Hills	
CDH5	Calico Hills	
CDI	Cordova	
CDITO	Canoas	
CDKN	Chidliak Camp Nunavut	
CDL	Candle	
CDL2	Cedral	CDRL
CDLV	Cueva Verdes	
CDM	Cerro de Muerte	
CDMR	Cedar Moraine	
CDN	Cerro del Durazano	
CDNM	Cardinia	
CDO	Cedar Creek	
CDOM	Doolan Road	DOO
CDP	Cerro de Punta	
CDPB	Cerro de Punta	
CDR	Cadarache	
CDRL	Cedral	
CDRO	Cedros	
CDRU	Civita di Ruta - Ottati	
CDSB	Chapadao Do Sul	
CDSM	Don Santos Ranch	
CDT	Castel del Monte	
CDU	Chengdu	
CDU1	Dunnerdale	
CDUM	Durate Ranch	DUC
CDVI	St. Croix	
CDVM	Del Valle	
CDY	Cape Darby	
CDZ	Cobb Dam	
CE-	Concrete	CE-WA
CE01	CE01	
CE02	CE02	
CE03	CE03	
CE04	CE04	
CE05	CE05	
CE06	CE06	
CE07	CE07	
CE08	CE08	
CE09	CE09	
CE11	CE11	
CE13	CE13	
CE15	CE15	
CE16	CE16	
CE17	CE17	
CE18	CE18	
CE19A	CE19A	
CE20	CE20	
CE21	CE21	
CE22	CE22	
CE23	CE23	
CE24	CE24	
CE25	CE25	
CEA	Ceahlau	
CEAP	Semis' Anvil Peak	
CEAZ	Cerra Azul, Caleta Web	
CEC	Childress 1	
CECL	East Claridon	
CECO	Cedaredge	
CECU	Ecuador Network	
CED	Cedar Springs	
CEDA	San Andres	
CEDE	Laguna Cedeˆ–o	
CEDI	Cerro Diablo	
CEDR	Cedros	
CEH	Chapel Hill	
CEI	Carei	
CEIV	La Ceiba	
CEL	Celeste	
CELB	S.Piero in Campo Elba	
CELI	Celico	
CELP	Cerrillos	
CEM	Cemisgezek	
CEME	Cevo	
CEN	Cerronegro	
CEN1	Los Morros	
CENE	Cerro Negro	
CEO	Cerro Encantado	
CEOS	Cerro El Oso	
CEP	Cherat	
CEPE	Semis' Perret Rge	
CER	Ceres	
CERA	Filignano	
CERAA	Semis' Rag'd Top	
CERB	Semis' Cerberus	
CERBA	Cerbatana	
CERR	Cheremushki	
CERT	Cerreto	
CERV	Cerron	
CES	Cherskiy	
CESE	˜e˜me	
CESI	CESI - Serravalle di Chienti	
CESL	Cescau	
CESS	Cesta pri Krskem	
CEST	Esterri de Cardos	
CESW	Semis' Southwest	
CESX	Cesi	
CET2	Cetraro	
CETU	Semis' Tuman	
CEU	Ceuta	
CEUT	Ceuta	
CEVE	Cerro Verde	
CE-WA	Concrete	
CEY	Cerknica	
CEYT	Ceyhan	
CF-	Colfax	CF-WS
CF01	CF01	
CF02	CF02	
CF04	CF04	
CF05	CF05	
CF06	CF06	
CF07	CF07	
CF08	CF08	
CF09	CF09	
CF10	CF10	
CF11	CF11	
CF13	CF13	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
CFC	Cairnmuir Flats	
CFF	Clermont-Ferrand	
CFI	College Fiord	
CFJ	Citronen Fjord	
CFL	Chilao Flats	
CFLOR	Florencia	
CFM	Cliffside	
CFO	Chats Falls	
CFON	Fontmartina	
CFR	Carcaliu	
CFS	Cross Fire Station	
CFSA	Confresa	
CFSC	Central Fire St	
CFT	Crafton Hills	
CFTB	Yalova	
CFTV	Fuerteventura	
CFU	Cove Fort	
CFUE	Fuerteventura	
CFWM	Cactus Flat West	
CF-WS	Colfax	
CG-	Cumberland Gap	CG-VA
CGA	Cape Gloucester Airport	
CGA2	Cerro Gallo 2	
CGAC	Cerro Gallo	
CGAR	Garraf	
CGC	Craig	
CGD	Chagda	
CGG	Guerrero	
CGG3	Caggiano	
CGGP	Crater GGP	
CGH	Cape Good Hope	
CGH1	Goonhilly	
CGI	Chicago	
CGIG		
CGJI	Cibinong	
CGL	Cagliari Serpeddi	
CGL1	Ceglie Messapica	
CGLM	Capps Glacier	
CGM	Cape Girardeau	
CGMA	Guelma	
CGN	Calugareni	
CGO	Cerro Gordo	
CGP	Cagayan de Oro	
CGPM	Gavin Park	
CGPV	Cottongarden Point	
CGR	Cap Guir	
CGR1C	Isla Gorgona, Cauca	
CGRP	Cima Grappa	
CGRR	Girdled Road	
CGSM	China Gardens South	
CGT	Chuian-Garon	
CGTN	Cumberland Gap	
CGTX	Campo Grande	
CGUE	Guelma	CGMA
CGV	Camp Garcia	
CG-VA	Cumberland Gap	
CGVM	Cerro Gordo	
CGW	Gweek	
CGX	Ciudad Guzman	
CGY	Coligny	
CH-	Churchill	CH-MT
CH01	Chania	
CH02	Chania	
CH03	Technical University Creta	
CH2	Chocolate Mountain	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
CHA	Chatra	
CHA1	Chaam	
CHA2	Chaam	
CHA3	Chaam	
CHA4	Chaam	
CHA5	Chaam	
CHAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
CHAF	Chalampe	
CHAG	Chala	
CHAI	Chaiyaphum	
CHAM	Chaffey Accelerograph	
CHAN	Chania	
CHAR	Charly	
CHAS	Isla Isabel II, Islas Chafarinas	
CHAT	Chantaburi	
CHAU	Chaumont	
CHAY	Cayeli-Rize	
CHB	Church	
CHBI	Chibit, Altay Republic, Russia	
CHBR	Chabahar	
CHBT	CHBT	
CHBY	Cihanbeyli	
CHC	Chapel Hill	
CHCH	Chadas Angostura	
CHCP	Chirah Chowk	
CHDN	Chaudanne	
CHDS	Charjew	
CHDUK	Cheddleton UK	
CHE	Cheb	
CHEF	Ethiopian Broadband Seismic Experiment	
CHEFC	Chefchaouen	
CHEG	Cheticamp, Nova Scotia	
CHER	Cherat	
CHET	Chet-Su	
CHF	Calhoun Falls	
CHFC	Chilao Flat Sta	
CHFM	Chaffey Dam	
CHFR	Pto Chacabuco	
CHG	Chiang Mai	CHTO
CHGB	Renai	
CHGM	Chingoma	
CHGN	Chignik	
CHGQ	Chibougamau	
CHGR	Chuyangaron	
CHH	Chihuahua	
CHI	Chicago-Loyola	
CHI1	Chimborazo	
CHI2		
CHIA	Chirikof Island	
CHIC	Chingaza	
CHIE	El Hierro	
CHIF	Chize	
CHIL	Chillagoe	
CHIM	Chimborazo	
CHIN	Chinandega	
CHIO	Chio	
CHIP	Near Potsdam	
CHIPN	CHIPINGE	
CHIQ	Chicoutimi-Nord	
CHIR	Chirikof Island	
CHIR1	Chironico	
CHIS	Cerro-Chispas-Manabi	
CHIT	Chita	
CHIX	Chihuahua	
CHJ	Chichibu	
CHJJ	Chichibu	
CHK	Chicago	
CHK4	Chkalova array site	
CHK5	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK9	Chkalova array site	
CHKA	Cham-Katzbach	
CHKI	Chanki	
CHKK	Chushkaly	
CHKT	Chengkung	
CHKZ	Chkalovo	
CHL	Chilik	
CHLD	Childara	
CHLP	Challavanipeta	
CHM	Chimkent	
CHMF	Charmoille	
CHMN	Cheshme madani	
CHMS	Chumysh	
CHMT	Chamberlain Mountain	
CH-MT	Churchill	
CHMZ	Choma	
CHN	Chinchina	
CHN1	Nanshi	
CHN2	Minshiung	
CHN3	Shinhua	
CHN4	Tsaushan	
CHN5	Tsauling	
CHN6	CHN6	
CHN7	Lioujiau	
CHN8	Yiju	
CHNC	Chino	
CHNG	Los Chungos	
CHNM	Channel	
CHO	Chosi	
CHO1	Chosi	
CHOC		
CHOI	Coyote Hollow	
CHOJ	Chosi	
CHOM	Cayeli-Rize	
CHOR	Cabbage Hill	
CHOS	Chios island	
CHP	Chuchupate	
CHP1	Pelados	
CHP2	Corcovado	
CHP3	Chocan	
CHP4	Algarobillo	
CHP5	Huaypira	
CHP7	Eten	
CHP8	Chiclayo	
CHPA	Chiripa	
CHPI	Pichilemu	
CHPM	Chiautla de Tapia	
CHQ	Charlesbourg	
CHR	Christchurch	
CHRM	Charleston	
CHRN	Cochrane	
CHRS	Christianenhaus	
CHRT	Chiangrai	
CHRU	Chernivtsi	
CHRY	Calls Hollow Road	
CHS	Chusal	
CHSA	Colony High School	
CHST	Chistovodnoe	
CHT	Chittagong	
CHT1	Chitral	
CHTH	Charan	
CHTJ	Chita	
CHTL	Chitral	
CHTN	Church Hills	
CHTO	Chiang Mai	
CHU	Chur	
CHUD	Chudeng	
CHUE	Retiro	
CHUH	Cerro de Hula	
CHUM	Lake Minchumina	
CHUQ	Chuquichambi	
CHUS	Chupsang	
CHV	Chiavari	
CHV1	Chavriata, Kefallonia	
CHVC	Chvalec	
CHVG	Ch'k'valeri	
CHVK	Chauvay	
CHVM	Chichinautzin	
CHW	Chowiet Island	
CHX	Chaix Hills	
CHY	Chiayi	
CHZ	Chorzow	
CHZP	Chorzow	
CI-	Clintwood	CI-VA
CIA	Chichaoua	
CIAC	Catalina I. Airport	
CIB	Cedar Butte	
CIBA1	Ibague, SGC	
CICH	Cipreses	
CICO	Icod de los Vinos	
CIDE	Kastamonu/Cide-Merkez	
CIFT	Cifteler, Eskisehir	
CIGN	Sant'Elia a Pianisi	
CIGS	Centro de Investigaciones Geotecnicas	
CII	Carovilli	
CIM	Chimachoy	
CIMA	Civitanova Marche	
CIMO	Cimolais	
CIN	Cine	
CING	Cingoli	
CINR	Cinarcik Cinnet	
CIO	Camerino	
CIOR	Ciorogarla	
CIP	Cipolletti	
CIPM	Puebla	
CIQ	Chicoutimi	
CIR	Chiredzi	
CIRC	C˜›rculo Militar	
CIRL	Cave In Rock	
CIRO	Champorcher	
CIRR	Tsirk	
CIS	Catalina Island Airport, Avalon	
CISC	Cisc	
CISI	Cisompet, Garut	
CIT	Chita	
CIU	Catalina Island	
CI-VA	Clintwood	
CIVI	Edificio de Ingenier˜›a Civil	
CIVM	Cilcuayo	
CIW	Santa Catalina Island West	
CIZ	Chatham Islands	
CJA	Chijiwa	
CJM	Chamela	
CJR	Cluj-Napoca	
CJR1	Cluj-Napoca	
CJUL	El Julon, El Hierro	
CJV	Casa Juvan	
CJW	Canyon Junction	
CK-	Cache Creek	CK-BC
CKA	Chakrata	
CK-BC	Cache Creek	
CKC	Cook Canyon	
CKE	Keswick	
CKFL	Kef-Lekhel	
CKH	Chokchoi	
CKHR	Kef el Ahmar	
CKHZ	Cape Kidnappers	
CKI	Cairo Montenotte	
CKK	Chekok	
CKL	Chakachamna Lake	
CKLZ	Chkalov	
CKM	Coopers Lake	
CKN	Chakachatna North	
CKO	Chalk River	
CKP	Chanarkot	
CKR	Christmas Creek	
CKRC	Cesky Krumlov	
CKRK	Yozgat/˜ekerek-Merkez	
CKT	Bend	
CKVB	Chieng Khoang	
CKWL	Crookwell	
CL-	Challis	CL-ID
CL01	CL01	
CL02	CL02	
CL03	CL03	
CL04	CL04	
CL05	CL05	
CL1	Del Valle	CDVM
CL1S	Chul'man	
CL2	Mines Road	CMNM
CLA	Chala	
CLA1	Claut1	
CLAB	ClautB	
CLAF	Gruissan	
CLAN	Lanzarote	
CLAP	Shields Creek	
CLAR	Clarkstown	
CLAW	Mount Claude	
CLB	Chilbolton	
CLC	China Lake	
CLCB	Lake Chabot	
CLCH	Cerro Calan	
CLCM	Lake Chabot	LKC
CLCV	CALICANTO	
CLD	Caldera	
CLDB	Colider	
CLDR	Caldiran	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
CLF	Chambon-Foret	
CLG	Cologne	
CLGH	Cloghs, Cushendall	
CLH	Cheltenham	
CLI	Colonesti	
CLIC	Calipatria	
CL-ID	Challis	
CLIN	Clinton	
CLIR	CLINCENI	
CLISU	ISU Calarasi	
CLJI	Cilicap	
CLK	Chileka	
CLKR	Crowley Lake	
CLL	Collm	
CLLI	Llivia	
CLLN	Colliano	
CLLP	Cerrillos	
CLM	Coleman	
CLMC	Lago Colima	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CLNB	Carlsbad	
CLNS	Chul'man	
CLNZ	Clenze	
CLO	Closani	
CLP	Clara Peak	
CLPO	Centennial Lake Park	
CLR	Collurania	
CLRN	Clyde River	
CLRS	Cowichan Lake Research St	
CLS	Calistoga	
CLSB	Cack Lake	
CLT	Charlottesville	

Code	*Station Name*	*Other*
CLT3	Calitri	
CLTA	Licata	
CLTB	Caltabellotta	
CLTC	Calectric	
CLTN	Cedars of Lebanon	
CLTR	Calitri	
CLU	Cluj	
CLUB	San Salvador	
CLUD	Cludinico	
CLV	Cleve	
CLVB	Cleveland Dam	
CLVN	Colville Lake	
CLVV	Chieng Lao	
CLW	Colville	
CLWO	Collingwood	
CLX	Calx Mountain	
CLY	Crystal Lake	
CLZ	Clausthal	
CM01	Chiang Mai Array Site 1	
CM02	Chiang Mai Array Site 2	
CM02E	CM02E	
CM03	Chiang Mai Array Site 3	
CM03E	CM03E	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM05E	CM05E	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM08E	CM08E	
CM09	Chiang Mai Array Site 9	
CM1	Central Minnesota Array	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
CM6*	Campone	
CMA	Clear Mews	
CMA1	Manaccan	
CMAH	Djebel Manchoura	
CMAI	Chiengmai2	
CMAN1	Manizales, Caldas	
CMAQ	Casa Mˆ¡quinas	
CMAR	Chiang Mai Array Beam Reference Point	
CMAS	Mas de Barberans	
CMB	Columbia College	
CMBC	Cumbal	
CMBN	Cumberland Camp Nunavut	
CMBO	Columbo, Santorini Isl.	
CMBY	CAMPBELL BAY	
CMC	Coppermine	
CMC01	Camacan, BA	
CMCH	Combarbala	
CMCL	Mercadel, El Hierro	
CMCM	Mills College	
CMCO	Colorado Mnmt	
CMCZ	Cairnmuir Mts	
CMDO	Montedoro	
CMDR	Camlidere-ANKARA	
CME	Menerdue Farm	
CMEN	Mentor	
CMER	Merouana	
CMET	Nicosia	
CMF	Cannet Maures	
CMG	La Cumbre	
CMG2	La Cumbre 2	
CMGA	Chestnut Mountain	
CMH	Chemehuevi Mountains	
CMHM	Mt Hamilton Road	MHR
CMI	Centennial Mountain	
CMIG	Matias Romero	
CMJ	Castle Mountains	
CMJI	Cimerak	
CMJM	Mission San Jose	MSJ
CML	Cha da Macela	
CMLA	Cha da Macela	
CMLM	Mount Lewis	
CMMM	Mount Mocho	
CMMT	Chiang Mai	
CMN	Crown Mine	
CMNM	Mines Road	
CMNY	Cheesecote Mountain, Pomona, NY	
CMO	College--Fairbanks	
CMO6E	CMO6E	
CMOB	Morgan Territory	
CMOM	Morgan Territory	MTC
CMP	Campulung	
CMP3	Campagna	
CMPA		
CMPB	Campos	
CMPM	Mikes Peak	
CMPO	Campotto Po	
CMPR	Campora	
CMR	Camerino	
CMRD	Camardi-Nigde	
CMRM	Mines Road	MNR
CMRS	Pozzuoli	
CMS	Cobar Meteorology Station	
CMSA	Cobar Meteorology Station	
CMSB	University of California Stadium	
CMT	Clancy	
CMTX	Cooper Mountain	
CMU	Cedar Mountain	
CMW	Cultus Mountains	
CMWZ	Cape Campbell	
CMX	Colima	COLM
CMZ	Cashmere	
CN-	Cornell	CN-WS
CN03	CN03	
CN05	CN05	
CN07	CN07	
CN1H	Cairns Hard Rock	
CN2	Changchun	
CN2S	Cairns Soft Rock	
CNA	Cantwell	
CNB	Canberra Magnetic Observatory	
CNBA	Chernabura Island	
CNC	Concord--Diablo Valley College	
CNCB	Chanca	
CNCH	Conchagua	
CNCI	Crows Nest Canyon	
CNCM	Norris Canyon Road	
CNCO	Chanco	
CNCR	Cernica	
CNCS	Concesio	
CND	Currant	
CNE	Childress 2	
CNF	Cerre-les-Noroy	
CNG	Changalane	
CNGN	Cerro Negro	
CNGZ	Carnagh Station	
CNH	Changchun	
CNI	Changuinola	
CNIC	Niles Canyon	
CNIL	Conil	
CNJ	Catfish Pond	
CNJI	Cibinong	
CNK	Concordia	
CNL	Connel	
CNLB	Canela	
CNM	Chama	
CNN	Cincinnati	
CNNC	Cliffs of the Neuse	
CNO	Childress 3	
CNOCA	NORCASIA, CALDAS	
CNOP	Candoni, Negros Occidental, Philippines	
CNP	Catarman	
CNPM	China Poot	
CNQ	Baie Comeau	
CNR	Chonco	
CNRN	Canarana	
CNRT	Cenerente	
CNS	Constantine	
CNS1	Cairns-h seis/acc	
CNT	Guangzhou	GZH
CNTC	Contact Creek	
CNTO	Contao	
CNU	Chengdu	CDU
CNV	Corbin	CBN
CNW	Childress 4	
CN-WS	Cornell	
CNY	City College NY	
CNZ	Chateau	
CO-	Colome	CO-SD
CO01	Juntas del Toro	
CO02	Combarbalˆ¡	
CO03	El Pedregal	
CO04	Los Peladeros	
CO05	La Serena	
CO06	Fray Jorge	
CO2	Coxcomb Mountains 2	
COA	Coachella	
COAL	Corum-Alaca	
COAS	Coatepeque	
COAV	Cumanacoa	
COB	Cobb River	
COB3		
COBQ	Cobquecura	
COBS	Casablanca	
COBT	Iskenderun	
COC	Colombo	
COCH	Cobquecura	
COCO	West Island	
COCR	Colorado	
COD	South Dennis	
CODC	Agustˆ›n Codazzi, Colombia	
CODE	Correggio	
CODG	Codroy Newfoundland	
CODM	Codolo	
COE	Coe Ranch	
COEN	Coen	
COFF	Manyatta Coffee Estate	
COFN	Cofrada	
COH	Cochiti	
COHC	Cochancay	
COI	Coimbra	
COIS	El Sosneado	
COJ	Choshi	
COK	Cook Ranch	
COKM	Charter Oak	
COKN	Cook Lake	
COL	College Outpost	
COL3	Colliano	
COLA	College	
COLC	Colonia	
COLD	Coldfoot	
COLF	Collangettes	
COLI	Coloredo	
COLK	Krashen	
COLL	Andarivi	
COLM	Colima	
COLN	Colon	
COLO	COLO	
COLR	Columbus	
COLS	Colinas	
COLT	Colton High School	
COLW	Colter Canyon	
COM	Comitan	
COM2	Comitan 2	
COMI	Craters of Moon	
COMIL	Quito-Colegio Militar	
CON	Concepcion	
CONA	Conrad Observatory	
CONC	Concepcion	
CONE	Cono NE Rev Volc	
CONN	Concepcion	
CONS	Constitucion	
CONY	Cobleskill	
COO	Cooney Tunnel	
COOC	Compton	
COOL	Coolgardie	
COP	Copenhagen	
COPA	Copaceanca	
COPE	Corleto Perticara	
COPM	Copeton	
COPN	Copaltepe	
COQ	Corona Quarry	
COQB	Coquitlam Dam	
COR	Corvallis	
COR1	Corinaldo	
COR2	Caldas Novas	
CORC	Orchilla, El Hierro	
CORF	Corte	
CORG	Organya	
CORI	Orista	
CORK	Cork	
CORL	Corleone	
CORM	Corum	
CORN	Cornellia Hill	
CORO	Coronation Park	
CORR	San Possidonio	
COS	Cosiguina	
CO-SD	Colome	
COSF	Comisariato del Ejercito Sur - Quito	
COSM	Mount Oso	
COSP	Cold Spring	
COT	Chocolate Mountains	
COTA	Cotacachi	
COTN	Columbia	
COTR	Cottonwood	
COV	Colchester	
COV1	Cotopaxi Volc	
COVE	COVE	
COVR	Voineasa-Covasna	
COVZ	Chateau Observatory	
COW	Cow Castle Creek	
COWI	Conover	
COWN	Contwyoto Lake 2	
COWO	College of Wooster	
COXM	Coxim-MS Brazil	
COY	Coyote Mountain	
COYC	Coyhaique	
COZ	Cozia	
CP-	Campo	CP-CL
CP2	Crater Peak Two	
CPA	Chapri	
CPAL	Palau Saverdera	
CPAM	Crater Peak Alternate	
CPAS1	Pasto	
CPAS2	Pasto	
CPB	Codrington	
CPBX	Cerro Prieto	
CPC	Cherry Point	
CPCH	Copiapo	
CP-CL	Campo	
CPCT	Cooper Cave	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CPE	Camp Elliot	
CPGN	Carpegna, Italy	
CPH	Captain Cook	
CPI	Crown Point	
CPI2	Carpinone	
CPIM	Pinole Ridge	
CPK	Cone Peak	
CPKM	Crater Peak Rim	
CPL	Chaplin	
CPLB	Carmanah Point Lighthouse	
CPLM	Palomares Road	
CPM	Copper Mountain	
CPMM	Point Molate	
CPMP	Pompei	
CPN	CP-17	
CPN1	Cerro Paranal	
CPNM	Pleasanton	
CPNY	Central Park	
CPO	Cumberland Plateau	
CPO5	Cumberland Plat.	CPOT
CPOP2	Popayan, Invias	
CPOP3	Popayan, Sena	
CPOP5	Popayan, Gabriela Mistral	
CPOT	Cumberland Plateau	
CPP	Copiapo	
CPPC	Cal Poly Pomona	
CPR	Cape Romanzof	
CPRX	Cap Rock	
CPS	Cap Spartel	
CPSB	Cacapava Do Sul	
CP-SO	Cumberland Plateau Observatory	
CPT	Camp Pendleton	
CPTM	Cactus Peak West	
CPTP	Pietraperzia	
CPU	Coon Peak	
CPUP	Villa Florida	
CPW	Capitol Peak	
CPWZ	Castlepoint	
CPX	CP-1	
CPXM	Mount Cotopaxi	
CPY	CP-1	
CPZ	Penzance	
CQ-NV	Caliente	
CR-	Crete	CR-NB
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR2G		
CR2NB	Crete	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CRA	Chernovtsy	
CRAC	Craco	
CRAG	Craig	
CRAI	Chiangrai	
CRAJ	Montana Rajada	
CRAM	San Ramon	
CRAR	CRAIOVA	
CRAS	Crastes	
CRB	Chernovtsy (B)	
CRBI	Circular Butte	
CRC	Castle Rock	
CRCA	Reggio Calabria	
CRCH	Chaqaral	
CRD	Cavedale Road	
CRDM	Cardoso	
CRE	Caprese Michel	
CREF	Crivoux	
CRES	C@19res@19njevec Ostr	
CRF	Corfu	
CRG	Carmichael	
CRGC	Crocker Grade	
CRH	Carson Hill	
CRHM	Round Hill Res.	
CRI	Mount Carmel	
CRIB	Cristalandia	
CRID	Crittenden County--Downhole	
CRIG	Cruz Grande	
CRIN	San Cristobal	
CRIS	Crittenden County--Surface	
CRISS	CRISS	
CRJA	Costa Raja	
CRJC	Cerrejon, Guajira, Colombia	
CRL	Carloforte	
CRLN	Carolina, Mapumalanga, South Africa	
CRLO	Chalk River	
CRLT	Corlu	
CRLZ	Canterbury Laser	
CRM	Caravelle	
CRM1	Catelraimondo	
CRMI	Carmignano	
CRMT	Chrome Mountain	
CRN	Corinaldo	
CR-NB	Crete	
CRNC	Corona	
CRND	Cornuda	
CRNM	Carthage	
CRNS	Crni Vrh	
CRNY	Cross River	
CRO	Carnasaw Mountain Lookout Tower	
CROG	Croghan	
CROR	Criterion Ridge	
CROSA	EL ROSAL, CUNDINAMARCA	
CRP	Crater Peak	
CRPB	Russellman Park	
CRPC	Caltech Rob'n Pit	
CRPM	Russellman Park	
CRPR	Cabo Rojo, PR	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
CRQB	Carquinez Bridge	
CRQM	Cirque	
CRR	Carrizo Plain	
CRRB	Carira, Sergipe, Brazil	
CRS	Chara	
CRSP	Cerreto di Spoleto	
CRST	La Restinga, El Hierro	
CRT	Cartuja	
CRTN	Comb Ridge	
CRU	Crutchfield	
CRUC	La Cruz	
CRUN	El Crucero	
CRUV	Carupano	
CRUX	Bergwerk Schwarze Crux	
CRUZ	CRUZ	
CRV	Caraveli	
CRVI	Carovilli	
CRVS	Cervenica-Dubnik	
CRWM	Crown Mines	
CRX	Cerrillo	
CRY	Cary Ranch	
CRZ	Cape Reinga	
CRZ1	La Cruz	
CRZC	La Cruz	
CRZF	Crozet Islands	
CS-	Crossville	CS-TN
CS01	CS01	
CS02	CS02	
CS03	CS03	
CS04	CS04	
CS05	CS05	
CS06	CS06	
CS07	CS07	
CS08	CS08	
CS6B	Jaguaretama	
CSA	Cape Sarichef	
CSA1	St Austell	
CSAM	Sandia	
CSAN		
CSB	Colonia Sabana	
CSC	Columbia	SVC
CSCL	Casacalenda	
CSCM	Silver Creek	SVC
CSCO	Clark State Community College	
CSD	Chor-Sady	
CSE	Childress 5	
CSEN	Crystal Springs Elementary School	
CSF	Scaffel	
CSG	Childs Glacier	
CSG3	Toppo Di Castelgrande (Osservatorio Astronomico)	
CSGN	Cosiguina Volcano	
CSH	California State, Hayward	
CSHM	Cal. St., Hayward	CSH
CSI	Cassano Ionio	
CSIL	Creal Springs	
CSJ	Cape San Juan	
CSKK	Csˆ‡kako	
CSL	Crestline	
CSLB	Castelbuono	
CSLM	San Leandro Hills	
CSM	Casamicciola	
CSMI	Casera Mimoias	
CSN	Chicoasen	
CSN1	Caspian	
CSNA	Conrad Observatory	
CSNT	Castellina Chianti	
CSO	Casso	
CSOR	Sort	
CSP	Cedar Springs	
CSP1	Cessapalombo	
CSPM	San Pablo Ridge	
CSPT	Cold Springs	
CSR	Chase Ranch	
CSRY	Cold Spring River	
CSS	Mathiatis	
CSSM	Coso Springs South	
CSSN	Cassano Irpino	
CST	Castrovirreyna	
CST1	Stithians	
CSTJ	Casr Tuba	
CSTL	Corral Hollow	
CS-TN	Crossville	

Code	*Station Name*	*Other*
CSU	Charleston Southern University	
CSU1	Sunol Dilatometer	
CSV	Casigua	
CSVM	Stone Valley	
CSW	Childress 6	
CSY	Casey Station	
CSZ	Casera Razzo	
CT-	Clayton	CT-OK
CTA	Charters Towers	
CTAB	Cerro Tablazo, Cundinamarca	
CTAD	Las Tabladas, Isla de El Hierro	
CTAK	Corum_Osmancik	
CTAM	Taylor	
CTAN	El Hierro	
CTAO	Charters Towers	CTA
CTAS	Cauta	
CTAU	Tausa, Cundinamarca	
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
CTBM	Cataract Bedrock	
CTBN	Caleta Bueno	
CTC	Chetwynd	
CTCC	Cactus City	
CTCH	Constitucion	
CTCR	Cotoan	
CTD	Catalina Dam	
CTDM	Cataract Dam	
CTEI	Djebel Teioualt	
CTFE	Tenerife	
CTFL	Taylor Farm	
CTGM	Chitina Glacier	
CTHA	Thorn Acres	
CTHM	Terry Harris R'ch	
CTI	Castel Tesino	
CTIG	El Hierro	
CTISU	Constanta	
CTJI	Waduk Cacaban	
CTK	Catak	
CTKS	Kestanelik-??atalca	
CTKT	Corum	
CTL8	Castelleone	
CTLM	Tesla Road	
CTLN	Castor Lake	
CTM	Castle Mountain	
CTN	Crete	
CTNY	Carthage	
CTO	Cape Town	
CT-OK	Clayton	
CTOM	Thompson	
CTP	Catapilco	
CTR	Castle Rock	
CTRE	Tremp	
CTRO	CASTRO	
CTS	Cactus Peak	
CTT	Catalca	
CTTX	Catalca	
CTU	Camp Tracy	
CTUM2	Tumaco	
CTUMA	Tumaco, Batallon	
CTV	Charlottesville	
CTVN	Chua Tram	
CTW	Cottonwood Mountains	
CTYL	Yalikoy Yolu	
CTZ	Chatham Island	
CU-	Currant	CU-NV
CUALT	Altinyayla-SIVAS	
CUAYA	Sivas-Alt¯–nyayla-Merkez	
CUBY	Cutbertbay	
CUC	Castrocucco	
CUD	Cuddapah	
CUET	Cent US Eq Cons	
CUG	Cuglieri	
CUGUR	Gurin_S¯VAS	
CUI	Cuipilapa	
CUIC	Cuicocha-Domo	
CUKAN	kangal_SIVAS	
CUKT	Cukurca	
CUL	Culiacan	
CULB	Culebra	
CUM	Cumana	
CUMB	Cumbre	
CUMC	Nevado Cumbal	
CUMY	Casa Hugo Yepes - Cumbaya	
CUN	Columbus	
CUNA	Curaglia	
CUND	Cunda Adasi-Balikesir	
CU-NV	Currant	
CUNY	Queens College	
CUP	Culebra	
CUPA	Cupa	
CUPL	Choutuppal	
CUPM	Cuyoaco	
CUPR	Culebra, Puerto Rico	
CUPV	Cu@15pira	
CUR	Chagan-Uzun	
CURA	Stauanlage Cunera	
CURV	Curarigua	
CUS	Cuzco	
CUS1	Cusmapa	
CUSAR	Sarkisla-SIVAS	
CUSC	San Salvador	
CUSE	Cuicocha Este	
CUSI	Cussignacco Udine	
CUSS	Cusmapa	
CUSU	Cusua	
CUSW	Cuicocha Oeste	
CUT	Chulitna	
CUV	La Culata	
CUYO	Cuyo Island	
CUZAR	Zara_SIVAS	
CV-	Centerville	CV-TN
CV6*	Capo Vaticano	
CVA	Cordova	
CVAL	Veterans Administration Hospital	
CVALL	Valledupar, Cesar	
CVC	Cholame Valley	
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CVDA	Cernavoda	
CVE	Cedar Cove	
CVER	Cruz Verde, Cundinamarca	
CVF	Calvi	
CVH	Cedar City	
CVI	Capo Vaticano	
CVJ	Coleyville	
CVL	Charlottesville	
CVLM	Vallecito	
CVLQ	Collinsville	
CVM	Colonia del Valle	
CVN	Calvinia	
CVNA	Calvinia	
CVO	Covasna	
CVP	Callao Caves	
CVPM	Vollmer Peak	
CVR	Calaveras Reservoir	
CVRD	Centerville Road, Mineral	
CVS	Carmenet Vineyards, Sonoma	
CVT	Castelvetrano	
CVTN	Covington	
CV-TN	Centerville	
CVTR	Volcan Turrialba	
CVV	Charlottesville	CVL
CVVA	Charlottesville	
CVVD	Valverde	
CW-	Conway	CW-AR
CW-AR	Conway	
CWB	Cumshewa	
CWC	Cottonwood Creek, Lone Pine	
CWCR	Coldwater Canyon	
CWF	Charnwood Forest	
CWPT	Cottonwood Point	
CWT	Childress 7	
CWU	Camp Williams	
CWZ	Cowlitz River	
CX-	Craigsville	CX-WV
CXM	Morne La Croix	
CXP	Puebla	
CX-WV	Craigsville	
CY-	Cheyenne	CY-WY
CYA	Choya	
CYBM	Yerba Buena Island	
CYC	Crow Canyon Road	
CYD1	Coyote D'meter	
CYEH	Changyeh	
CYH	Coyote Hills	
CYK	Cape Yakataga	
CYN	Coyotepe	
CYP	Chylin	
CYT	Cape Yakataga	
CY-WY	Cheyenne	
CYZ	Clyde	
CZ-	Cody	CZ-NB
CZ01	CZ01	
CZ03	CZ03	
CZ04	CZ04	
CZ05	CZ05	
CZ06	CZ06	
CZ07	CZ07	
CZ08	CZ08	
CZ10	CZ10	
CZA	CZA	
CZC	Chiapa de Corzo	
CZD	Col de Zad	
CZI	Monte Cocuzzo	
CZL	Cerro Azul	
CZM	Crazy Man Mountain	
CZ-NB	Cody	
CZSB	Cruzeiro do Sul	
CZT	Chizu	
D002	Pieve de Saddi	
D01	D01	
D03A	Wishkah Elem. School, Wishkah	
D03D	Eldon	
D04A	Dobbs Creek Ranch, Lacey	
D04D	Lakebay	
D04E	Lakebay	
D05A	Enumclaw	
D06A	Cle Elum	
D07A	Quincy	
D08A	Wollman Farm, Schrag	
D09A	Jones Farm, Ritzville	
D10A	Wagner Farm, Oakesdale	
D11A	Klaveano Farm, Fernwood	
D12A	Red Ives Forest Station, Avery	
D13A	Huson	
D14A	Greenough	
D15A	Lincoln	
D16A	Dana Ranch, Cascade	
D17A	Six Diamond Ranch, Ranyesford	
D18A	Linhart Farms, Moccasin	
D19A	Cripps Ranch, Grass Range	
D1A	Dickey	
D20A	Manuel Ranch, Winnett	
D21A	La Casta Ranch, Jordon	
D22A	Cohagen	
D23A	Lindsay	
D24A	Glendive	
D25A	Fairfield	
D26A	Manning	
D27A	Center	
D28A	Regan	
D29A	Pettibone, Tappen	
D2A	Dickey	
D30A	Buchanan	
D31A	Mcclaflin, Tower City	
D32A	Dogwood Acres, Gardner	
D33A	AnnSam, Waubun	
D34A	Park Rapids	
D35A	Remer	
D36A	Goodland	
D37A	Cotton	
D3A	Dickey	
D41A	Chassel	
D46A	Sault St. Marie	
D47A	Chapleau	
D48A	Paudash Township	
D49A	Beulah Township	
D4A	Dickey	
D50	D50	
D50A	G1974 Best Township, ON	
D51	D51	
D51A	Lot 18 Range III Mazenod Township	
D52A	ZEK Kipawa Senerzegues Township	
D53	D53	
D53A	Lac Vacive, Pontiac, Mrc	
D54A	Lac Fusel, La Vallee-de-La-Gatineau	
D55A	Sainte-Anne-du-Lac	
D56A	ZEC Mazanza, Mont-Saint-Michel	
D57A	Chemin Vers le Barrage, Saint-Michel-Des-Saints	
D58A	Chemin du LacGrosbois, Trois-Rives	
D59A	Saint-Raymond	
D5A	Dickey	
D60A	Saint Jean D'Orleans	
D61A	St Aubert, Comte d'Islet	
D62A	Allapoint, Allagash	
D63A	Stockholm	
D6A	Dickey	
DABA	Dabaa	
DABAA	Dabaa2	
DABV	Dabajuro	
DAC	Darwin (Calif)	
DACB	Daecheong-do Republic of korea	
DAD	Ankara	
DAF	Dafare	
DAG	Danmarks Havn	
DAGI	Agillar	
DAGMA	Lutertal, Dagmarsellen	
DAH	Dandelion	
DAI	Luda	
DAIG	Los Arroyos	
DAIL	Da Vinci Academy	
DAK	Dakar	
DAKH	Dake	
DAL	Dallas	
DALG	Dalton	
DALK	Dalny	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mu¯la)	
DAM	Dampier	
DAM1	Diamer-Basha	
DAMV	Damavand	
DAMY	Dhamar	
DAN	Dane	
DANC	Danby, Needles	
DANN	Dangsing	
DANY	Dannemora	
DAP	Davao	
DAQ	Lac Daran	
DAR	Darwin	
DAR1	Darband	
DARB		
DARE	Darende-Malatya	
DARS	Darpas	
DAT	Datca	
DATC	Datca-Mugla	
DAU	Daniels Canyon	
DAV	Davao City (W)	
DAVA	Damuels	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
DAW	Hoskins	
DAWS	Dawson Inlet	
DAWY	Dawson	
DAY	Day	
DB2	Double Butte	
DBAD	Bademkaya	
DBAS	Duba	
DBBC	Dabeiba	
DBC	Dubki	
DBCC	Dabeiba, Colombia	
DBCT	Belle View Chopil	
DBD	Des Bee Dove	
DBG	Daneborg	
DBI	Debin	
DBIC	Dimbokro	
DBJI	Dramaga	
DBM	Double Mountain	
DBMY	Dunderburg Mountain	
DBN	De Bilt	
DBND	Deoband	
DBNI	Kabupaten Dompu	
DBO	Dodson Butte	
DBOC	Borcka	
DBOG	Casa Diablo	
DBP	Darband	
DBQ	Dubuque	
DBR	Dubrovnik	
DBRK	Dubrovnik	
DBV	Dienbien	
DBY	Dobrovo	
DCA1	Bonanza	
DCA2	Baytree	
DCA3	Cotillion Park	
DCC	Delcommune	
DCD	Diablo Creek	
DCI	Dry Creek	
DCID1	Drake Creek	
DCM	Dugout Coal Mine	
DCN	Croghan	
DCO	Combe Farm	
DCP	Dickinson College	
DCPH	Dipolog City	
DCT	Ducktown	
DCU	Deer Creek Reservoir	
DCZ	Deep Cove	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DDEM	Demirkent	
DDFL	Dedoflistskaro	
DDI	Dehra Dun	
DDIM	Ayd¯–n/Didim	
DDJ	Jaglot	
DDK	Dunsink Observatory	
DDM	Donnelly Dome	
DDMP	Don Marcelino, Davao Occidental, Philippines	
DDN	Dodoni	
DDR	Dodaira	
DDS	Dosso del Sommo	
DEB	Debrecen	
DEC	Deception Island	
DECC	Green Verdugo Microwave Site, Sunland	
DED	Mersin	
DEG	La Desirade	
DEI	Dent	
DEIG	Demacu	
DEK	Dekalb	
DEL	Delary	
DEL1	Delary	
DELE	Ethiopian Broadband Seismic Experiment	
DELI	KIRIKKALE	
DELO	Deloro Mine	
DELX	Delta	
DEMA	Delaware Emergency Management Agency	
DEMI	Demirci	
DEMR	Demre-Antalya	
DEN	Denver	
DENJ	Denville	
DENT	Denizli	
DEPR	Deputatskiy	
DER	Derby	
DERT	Derbent	
DES	Desert	
DESA	DESA	
DESE	Dese	
DESF	Desfina	
DEV	Deva	
DEVC	Devers	
DEVR	Zonguldak/Devrek-Atalar	
DFBT	Forest Bistro	
DFE	Dawson Falls	
DFR	Drift River	
DFRA	Djebel Bou Affroun	
DGAR	Diego Garcia	
DGB	¯zmir	
DGBT	Grand Bay	
DGC	Durango	
DGI	Dorgali Grotta	
DGMT	Dagmar	
DGN	Dgnorisa	
DGP	Dabrowa Gornicza	
DGPR	DIGLIPUR	
DGR	Domenigoni Valley Reservoir	
DGRG	David-gareji	
DGS	Degeres	
DGT	Duragan	
DGZ	Jazzator, Altay Republic, Russia	
DH-	Delhi	DH-NY
DHA	Dutch Harbor	
DHAK	Deception Hills	
DHB	Downhole Baldwin Hills	
DHBB	Dhama@18r BB	
DHD	Dharwar	
DHDN	Dehradun	
DHH	Diamond Head	
DHJN	Dharan Janob	
DHLJ	Dahal	
DHLQ	Lac-des-Plages	
DHMR	Dhamar	
DHN	Doyle Hill	
DH-NY	Delhi	
DHO	Dhodishal	
DHR	Dhahran	
DHRM	DHARAMSHALA	
DHRN	Dharma Camp	
DHS	Desert Hot Springs	
DHUB	DHUBRI	
DHV	Doan Hung	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
DHY	Denali Highway	
DI-	Dillon	DI-MA
DIAC	La Diana	
DIAM	Diamantina, MG	
DIB	Dawson Inlet, BC	
DIBR	DIBRUGARH	
DIC		
DID	Didima	
DIDI	Didim-Aydin	
DIDY	Didyma	
DIGO	Kars	
DIGR	Digorskoe uzhel'e	
DIKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DIKM	Dikmen	
DIL	Dillon Ranch	
DILA	Dilla	
DILR	Dilar	
DIM	Dimitrovgrad	
DI-MA	Dillon	
DIMI	Dimona	
DIMT	Dimitropoulo, Aigialia, West Greece	
DINX	Tingri, Xizang Zizhiqu	
DION	Dionisos Attiki	
DIP	Dipolog	
DIR	Diamond Ranch	
DIV	Divide	
DIVS	Divibare	
DIW	D'Urville Island	
DIX	Grande Dixence	
DIXR	Dixie Hot Springs	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DIYAX	Ethiopian Broadband Seismic Experiment	
DJA	Jakarta	
DJE	Delta Junction E	
DJES	Djerdap	
DJISU	ISU Dolj	
DJJ	Donna J Jenkins	
DJK	Dyngjujokull	
DJNS	Zahran al Janub	
DJO	Djoy, Khakassia, Russia	
DJOS	Djoyskaya Sosnovka, Khakassia, Russia	
DJR	Jarkent	
DKD	Dar Kodiat	
DKH	Dar Kharkhour	
DKL	Dikili	
DKM	Kilmashogue	
DKNM	Devils Kitchen North	
DKP	Demirkopru	
DL-	Dell Rapids	DL-SD
DL2	Dalian	
DLA	Delaware (Ont)	
DLAC	Del Amo	
DLAR	Dell	
DLB	Dease Lake	
DLBC	Dease Lake	
DLBQ	Dalbeg	
DLC	Deerlick Creek	

Code	Station Name	Other
DLE	Lyons Estate	
DLF	Lyons Farm	
DLFA	Delphi	
DLG	Dolgoi Island	
DLH	Dalhousie	
DLI	Dili	
DLL	Dillingham	
DLM	Delamar Mountains	
DLMR	Dylym	
DLMT	Dillon	
DLN	Dalton (NSW)	
DLPL	La Plaine	
DLS	Dallas	
DL-SD	Dell Rapids	
DLT	Dalton	
DLV	T a@11 Lat	
DLVO	T a@11 Lat	
DLVT	Layou Valley	
DLY	Dezadeash Lake	
DMA	Devil Mountain	
DMB	Deadman Bay	
DMCQ	Dolbeau-Mistassini	
DMD	Domodossola	
DMI	Des Moines	
DMK	Demirkoy	
DMLN	Damoulianata-Kefalonia-Greece	
DMMT	Dalton Mountain	
DMN	Daman	
DMNI	Dmanisi	
DMNS	Dmanisi	
DMP	Diadem	
DMPH	Davao City--Mintal	
DMPK	Deadman Peak	
DMPR	Damasthipur	
DMRK	Ethiopian Broadband Seismic Experiment	
DMS	Dublin Merrion Square	
DMT	Demirtas	
DMTO	DMTO	
DMU	Kingscourt	
DMUB	Kingscourt	
DMV	Demmitville	
DMW	Delta Microwave	
DND	Dunedin-Penfold	
DNG	Daru	
DNGQ	Doongara	
DNH	Durham (NH)	
DNM	Dulce	
DNN	Dannevirke	
DNP	Denpasar	
DNR	Dunn Ranch,Anza	
DNS	Denniston	
DNSO	Sydney	
DNT	Denton	
DNY	Dersam	
DNZ	Dunedin	
DNZL	Cakiroluk	
DOB	Doboj	
DOBAM	Dobrich	
DOBS	Dobrina	
DOC	Dochia	
DOCK	Docker River	
DOD	Dodoma	
DODA	Doda	
DODM	Dodoma	
DODT	Dodoma, Tanzania	
DOETR	Doetra (Olivone)	
DOG	Dongo Capesterre	
DOGA	KONYA_Doganhisar	
DOI	San Damiano	
DOL	Dolgoi Island	
DOLA	Dholavira	
DOM	Dominica	
DOMB	Dombas	
DOMF	Dompierre	
DOMO	Domo	
DOMR	Dombai	
DON	Dongola	
DONB	Dongobesh	
DONE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DONG	Nakchu	
DONR	Donner Summit	
DOO	Doolan Road	
DOOR	DOOR	
DOPR	Dopca	
DOR	Dorot	
DORT	Dortyol-Hatay	
DOS	Dos Bocas Dam	
DOSS	Dosso del Sommo	
DOT	Dot Lake	
DOU	Dourbes	
DOWB	Downie Slide	
DOY	Duke of York Island	
DP-	Deposit	DP-NY
DP1	Deserto P. S.	DPS
DPC	Dobruska-Polom	
DPD	Davis Peak	
DPDB	Guoxing	
DPH	Darwin Parliament House	
DPI	Dunn Peak	
DPLY	Delli Paoli	
DPM	Delmo Park	
DPMT	Pointe Michel	
DP-NY	Deposit	
DPP	Dos Picos Cty Pk	
DPQ	Saint Jean	
DPRB	Downie Pk Ridge	
DPS	Deserto Penisola Sorrentina	
DPW	Davenport	
DQM	DQM	
DQRL	Deir Qamar	
DR-	Durango	DR-CO
DR01	Juana Nunez	
DR02	San Jose de las Matas	
DR03	Pinalito	
DR04	Monte Llano	
DR05	La Lomota	
DR06	La Diferencia	
DR07	Jarabacoa	
DR08	Loma La Naviza	
DR09	Piedra Blanca	
DR1	Juana Nunez	DR01
DR10	Alto Bandera	
DR11	La Yayitas	
DR12	Loma Pena Alta	
DR13	Sanchez	
DR14	Sierra Prieta	
DR15	Siete Picos	
DR3	Pinalito	DR03
DR4	Monte Llano	DR04
DR5	La Lomota	DR05
DR6	La Diferencia	DR06
DR8	Loma La Naviza	DR08
DRA	Dragasani	
DRA2	DRAMA	
DRAG	Dragano-Lefkada	
DRAM	Dora Dora	
DRB	Dursunbey	
DRBS	Ad Darb	
DRBT	Darb Altahta	
DRC	Dorchester	
DRCO	St. Marys Cement	
DR-CO	Durango	
DRD	Roodepoort, Johannesburg	
DRE	Drenchia	
DREC	Desert Rsrch Ctr	
DREG	Dreilaegerbach Talsperre	
DREO	Darlington East Ontario	
DREZ	Durham Road	
DRGI	Dragot	
DRGR		
DRHJ	Al-Direh	
DRIA	Deer Island	
DRK	Karamyk	
DRK0	Durika	
DRL	Darel	
DRLN	Deer Lake	
DRME	Dracevica, Montenegro	
DRN	Derbent	
DRNR	Artvin/Merkez/Deriner Baraj¯–	
DRO	Drossia	
DROM	Dromana	
DRP	Derazinda	
DRR	Dragan	
DRRA	Deer Island	
DRS	Darwin Rock Store	
DRT	Dartmouth	
DRTD	Roseau, Dominica	
DRTN	Dyersburg	
DRTT	Dortyol	
DRUM	Mains of Drumtochty	
DRV	Dumont d'Urville	
DRWC	Darouich	
DRWO	Darlington West	
DRZ	Dome Shelter	
DSB	Dublin	
DSB1	Difesa San Luca	
DSC	Scotts Head	
DSCC	Desert Studies Ctr	
DSCH	Colegio Aleman	
DSD2	Dead Sea Dam 2	
DSF	Desfina	
DSG	Desaguadero	
DSH	Dushanbe	
DSHT	Scott's Head	
DSI	Dead Sea	
DSK	Disk Island	
DSL	Palaion Diasellon	
DSLB	Salisbury	
DSM	Dog Skin Mountain	
DSMN	Discovery Mine	
DSN	Dusing	
DSNO	Creighton Mine,Sudbury	
DSP	Deep Springs	
DSPA	Despedida	
DSRI	Dabo	
DST	Dursunbey	
DSTT	Stowe	
DSV	Doi Son	
DSVT	Soufriere Village	
DSZ	Denniston North	
DT1	Dutton Round Hill	
DTEM	Dunmovintown East	
DTIR	Bucuresti-Nicolae Titulescu	
DTM	Carnegie Institution of Washington	
DTMM	Dartmouth Digital	
DTMT	Tete Morne	
DTN	Dwight	
DTNA	Dutton South Flank	
DTP	Desert Tortoise Park	
DU-	Durant	DU-OK
DUB	Rathfarnham	
DUB01	Friburgo-RJ	
DUC	Duarte Ranch	
DUG	Dugway, Tooele County	
DUGI	Dugi Otok	
DUI	Duronia	
DUL	Duluth	
DUN	Dundo	
DUNF	Dun	
DUNH	University New Hampshire, Durham	
DUNO	DUNO	
DUNU	Dundret	
DUOK	Dugi Otok	
DU-OK	Durant	
DUP	Duppenweiler	
DUR	Durham	
DURR	Durres	
DURS	Dursunbey	
DUS	Dusheti	
DUSS	Damascus University	
DUT	Dutch Harbor	
DUWZ	D'Urville Island	
DUX	Duxbury	
DUYS	Dunai	
DV-	Death Valley	DV-CL
DVBM	Devilbend	
DV-CL	Death Valley	
DVCT	Vielle Casse Police Station	
DVD	David	
DVDT	Valley Desolation	
DVE	Vedeno	
DVG	Divnogorsk	
DVHZ	Dannevirke	
DVI	Derveni	
DVKN	Diavik Mine	
DVL	Devil Canyon	
DVO	Downsview	
DVP	Devils Point	
DVR	Devrek	
DVT	Derby	
DVTC	Desert View Tower, Jacumba	
DVW	Davenport	
DWDM	Dogwood	
DWDS	Al Duwadimi	
DWK		
DWM	Dogwood	
DWP	Davao Weather Station	
DWPF	Disney Wilderness Preserve, Florida	
DWR	Dweir	
DWS	Wesley	
DWU	Dry Willow Peak	
DWY	Dawson City	
DXB	Duxbury	
DY-	Dry Ridge	DY-KY
DY1	Dyersburg	
DY2	Lassiter	
DY3	Tiptonville	
DY4	Samburg	
DY5	Near Lassiter	
DYA	Yadsworthy	
DYBB	Diyarbakir	
DYDN	Diyadin	
DY-KY	Dry Ridge	
DYR	Agios Nikonas	
DYTN	Dayton	
DZA	Taraz	
DZB	Cabrayil	
DZBM		
DZD	Dalandzadgad	
DZE	Dzherino	
DZEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DZET	Dzherino	
DZH	Dzhafr	
DZI	Dzhizak	
DZM	Mont Dzumac	
DZN	Dzhankel'dy	
DZR	Jermuk	
DZT	Dzhirgatal'	
E001	Sierra del Retn, Cadiz	
E002	Puerto del Bujeo, Cadiz	
E005	Casares, Malaga	
E006	Caete la Real, Malaga	
E007	Orjiva, Granada	
E008	San Bartolome de la Torre, Huelva	
E009	Beas, Huelva	
E010	Palacio de Doana, Huelva	
E011	Adriano, Sevilla	
E012	Marchena, Sevilla	
E013	Torcal de Antequera, Malaga	
E015	Alquife, Granada	
E016	Rosal de la Frontera, Huelva	
E017	Aznalcollar, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E019	El Pedroso, Sevilla	
E020	Santaella, Cordoba	
E021	Villaviciosa de Cordoba, Cordoba	
E022	Bujalance, Cordoba	
E024	Martos, Jaen	
E025	Huelma, Jaen	
E026	Sierra de Lcar, Granada	
E028	Jerez de los Caballeros, Badajoz	
E029	Usagre, Badajoz	
E030	Peraleda del Zaucejo, Badajoz	
E031	Las Morras, Villanueva del Duque, Cordoba	
E032	Castillo de Giribaile, Vilches, Jaen	
E033	Ojanco, Jaen	
E034	Letur, Albacete	
E035	Torrevieja, Alicante	
E03A	Lebam	
E04A	Onalaska	
E04D	Cinebar	
E05A	Randle	
E06A	Yakima	
E07A	Sunnyside	
E07B	Bay Bridge East Pier 7	
E08A	Dider Farm, Eltopia	
E09A	Wood Farm, Starbuck	
E1001	Ethiopia-Afar Geoscientific Lithospheric Experiment E1001	
E1008	Ethiopia-Afar Geoscientific Lithospheric Experiment E1008	
E1011	Ethiopia-Afar Geoscientific Lithospheric Experiment E1011	
E1012	Ethiopia-Afar Geoscientific Lithospheric Experiment E1012	
E1014	Ethiopia-Afar Geoscientific Lithospheric Experiment E1014	
E1016	Ethiopia-Afar Geoscientific Lithospheric Experiment E1016	
E1017	Ethiopia-Afar Geoscientific Lithospheric Experiment E1017	
E1018	Ethiopia-Afar Geoscientific Lithospheric Experiment E1018	
E1019	Ethiopia-Afar Geoscientific Lithospheric Experiment E1019	
E1020	Ethiopia-Afar Geoscientific Lithospheric Experiment E1020	
E1021	Ethiopia-Afar Geoscientific Lithospheric Experiment E1021	
E1022	Ethiopia-Afar Geoscientific Lithospheric Experiment E1022	
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E1024	Ethiopia-Afar Geoscientific Lithospheric Experiment E1024	
E1026	Ethiopia-Afar Geoscientific Lithospheric Experiment E1026	
E1027	Ethiopia-Afar Geoscientific Lithospheric Experiment E1027	
E1028	Ethiopia-Afar Geoscientific Lithospheric Experiment E1028	
E1030	Ethiopia-Afar Geoscientific Lithospheric Experiment E1030	
E1037	Ethiopia-Afar Geoscientific Lithospheric Experiment E1037	
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E1094	Ethiopia-Afar Geoscientific Lithospheric Experiment E1094	
E1097	Ethiopia-Afar Geoscientific Lithospheric Experiment E1097	
E10A	Myers Farm, Uniontown	
E1101	Ethiopia-Afar Geoscientific Lithospheric Experiment E1101	
E1105	Ethiopia-Afar Geoscientific Lithospheric Experiment E1105	
E1110	Ethiopia-Afar Geoscientific Lithospheric Experiment E1110	
E1112	Ethiopia-Afar Geoscientific Lithospheric Experiment E1112	
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E1120	Ethiopia-Afar Geoscientific Lithospheric Experiment E1120	
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E1122	Ethiopia-Afar Geoscientific Lithospheric Experiment E1122	
E1123	Ethiopia-Afar Geoscientific Lithospheric Experiment E1123	
E1124	Ethiopia-Afar Geoscientific Lithospheric Experiment E1124	
E1125	Ethiopia-Afar Geoscientific Lithospheric Experiment E1125	
E1126	Ethiopia-Afar Geoscientific	

Lithospheric Experiment E1126
E1130 Ethiopia-Afar Geoscientific Lithospheric Experiment E1130
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E1199 Ethiopia-Afar Geoscientific Lithospheric Experiment E1199
E11A Bogner Ranch, Nez Perce
E1201 Ethiopia-Afar Geoscientific Lithospheric Experiment E1201
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E1296 Ethiopia-Afar Geoscientific Lithospheric Experiment E1296
E12A Beaver Dam Saddle, Pierce
E1301 Ethiopia-Afar Geoscientific Lithospheric Experiment E1301
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E13A Victor
E1400 Ethiopia-Afar Geoscientific Lithospheric Experiment E1400
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E1443 Ethiopia-Afar Geoscientific Lithospheric Experiment E1443
E14A Clinton
E15A Deer Lodge
E16A East Helena
E17A Martinsdale
E17B Bay Bridge East Pier 17
E18A Harlowton
E19A Rath Farm, Roundup
E20A Meyer Farm, Musselshell
E21A Keefer Ranch, Vananda
E2214 Ethiopia-Afar Geoscientific Lithospheric Experiment E2214
E2215 Ethiopia-Afar Geoscientific Lithospheric Experiment E2215
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E2294 Ethiopia-Afar

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E2297 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2297
E22A Miles City
E2301 Ethiopia-Afar
Geoscientific
Lithospheric
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E2303 Ethiopia-Afar
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E2304 Ethiopia-Afar
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Lithospheric
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Experiment E2341
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Experiment E2342
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Experiment E2345
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Experiment E2346
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Experiment E2347
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Experiment E2348
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Lithospheric
Experiment E2349
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Experiment E2350
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Experiment E2351
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Experiment E2369
E2371 Ethiopia-Afar
Geoscientific
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Experiment E2371
E2388 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2388
E2396 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2396
E23A Ismay
E2425 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2425
E2428 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2428
E2430 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2430
E2431 Ethiopia-Afar
Geoscientific
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Experiment E2431
E2432 Ethiopia-Afar
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E2434 Ethiopia-Afar
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E2437 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2437
E2441 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2441
E2449 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2449
E2451 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E2451
E24A Baker
E25A Miller Ranch, Amidon
E26A Carlson Angus Ranch, Regent
E27A Carson
E28A Huff
E29A Napoleon
E30A Jud
E31 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E31
E3105 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3105
E3107 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3107
E3110 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3110
E3114 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3114
E3116 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3116
E3120 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3120
E31A Nome
E32 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E32
E3205 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3205
E3207 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3207
E3209 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3209
E3212 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3212
E3213 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3213
E3214 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3214
E3218 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3218
E3221 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3221
E3224 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3224
E3225 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3225
E3228 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3228
E32A Braaten, Kindred
E33 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E33
E3300 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3300
E3303 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3303
E3304 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3304
E3323 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3323
E33A Westby DABS, Erhard
E34 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E34
E3404 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3404
E3414 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3414
E34A Wadena
E35 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E35
E3518 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3518
E3520 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3520
E3521 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3521
E3523 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3523
E3524 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3524
E3525 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3525
E3527 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3527
E3528 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3528
E3529 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3529
E35A Pequot Lakes
E36 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E36
E3603 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3603
E3604 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3604
E3605 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3605
E3606 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3606
E3609 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3609
E3621 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3621
E36A McGregor
E37 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E37
E3701 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3701
E3702 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3702
E3704 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3704
E3706 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3706
E3713 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3713
E3714 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3714
E3715 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3715
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Lithospheric
Experiment E3726
E3729 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3729
E3730 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3730
E3738 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3738
E3742 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3742
E3743 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E3743
E37A Wrenshall
E38A The Farm, Brule
E39 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E39
E39A Mellen
E40 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E40
E40A Wakefield
E41 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E41
E41A Kenton
E42 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E42
E42A Champion
E43 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E43
E43A Lone Tree Farm, Eben Junction
E44 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E44
E44A Grand Marais Airport, Grand Marais
E45 Ethiopia-Afar
Geoscientific
Lithospheric

Experiment E45
E45A Wooded Hills, Hulbert
E46 Ethiopia-Afar Geoscientific Lithospheric Experiment E46
E46A Sault Ste Marie
E47 Ethiopia-Afar Geoscientific Lithospheric Experiment E47
E47A Iron Bridge
E48 Ethiopia-Afar Geoscientific Lithospheric Experiment E48
E48A Lockeyer
E49 Ethiopia-Afar Geoscientific Lithospheric Experiment E49
E50 Ethiopia-Afar Geoscientific Lithospheric Experiment E50
E50A Wahnapitae
E51 Ethiopia-Afar Geoscientific Lithospheric Experiment E51
E51A G1948 Merrick Township
E52 Ethiopia-Afar Geoscientific Lithospheric Experiment E52
E52A Mattawa
E53 Ethiopia-Afar Geoscientific Lithospheric Experiment E53
E53A Dumoine, Pontiac MRC
E54 Ethiopia-Afar Geoscientific Lithospheric Experiment E54
E54A Lac Daplat, Pontiac, MRC
E55 Ethiopia-Afar Geoscientific Lithospheric Experiment E55
E55A Montcerf-Lytton
E56 Ethiopia-Afar Geoscientific Lithospheric Experiment E56
E56A St. Veronique
E57 Ethiopia-Afar Geoscientific Lithospheric Experiment E57
E57A Chemin Saint Guillaume, Saint Donat
E58 Ethiopia-Afar Geoscientific Lithospheric Experiment E58
E58A La Victoria
E59 Ethiopia-Afar Geoscientific Lithospheric Experiment E59
E59A St. Maurice
E60 Ethiopia-Afar Geoscientific Lithospheric Experiment E60
E60A Ste Agathe de Lotbiniere,
E61 Ethiopia-Afar Geoscientific Lithospheric Experiment E61
E61A Lac Etchemin
E62A Clayton Lake
E63 Ethiopia-Afar Geoscientific Lithospheric Experiment E63
E63A Oxbow
E64 Ethiopia-Afar Geoscientific Lithospheric Experiment E64
E64A Bridgewater
E66 Ethiopia-Afar Geoscientific Lithospheric Experiment E66
E67 Ethiopia-Afar Geoscientific Lithospheric Experiment E67
E68 Ethiopia-Afar Geoscientific Lithospheric Experiment E68
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E83 Ethiopia-Afar Geoscientific Lithospheric Experiment E83
E84 Ethiopia-Afar Geoscientific Lithospheric Experiment E84
E85 Ethiopia-Afar Geoscientific Lithospheric Experiment E85
E932 Embalse del Gaudalen, Jaen
EAB Aberfoyle
EACI Aci Sant'Antonio
EADA Adamuz
EADB Eade Ranch
EAFB Elmendorf Base
EAG Eagle Mountain
EAGO Agolada(Pontevedra)
EAH EAH
EAK Akyaka
EALB Alboran
EALH Alhama de Murcia
EALK Alkurruntz
EAM Ear Mountain
EAN East Aurora
EANR 'Ain N'Sour
EARA Aranguren
EARC Monte Arcimis
EARI Arriondas
EARN East Ridge Elementary School
EAST Anshuo
EASTN East End Reserv.
EASY Easy
EATA Eleskirt
EAU Auchinoon
EAV Pico El Aguila
EAZ Earnscleugh
EB- East Braintree EB-MT
EBAD Badajoz
EBAJ Bajamar
EBAN Banos Encina
EBCN Bocca Nuova
EBEL Etna Belvedere
EBELL Liceo Cantonale, Bellinzona
EBEN Beniarda
EBEN2 Beniarda presa Alicante
EBER Berja
EBG Ellensburg
EBH Black Hill
EBHM Djebel Bou Ahmed
EBI Elk Butte
EBIE Bielsa
EBL Broad Law
EBM Esen Bulak
EB-MT East Braintree
EBN Edmundston
EBNR Beni Rached
EBOM Djebel Bou Maad
EBP Ebbets Pass
EBR Ebro Roquetas
EBRE Ebro Roquetas
EBS Eagle Butte
EBUEL Kantonsschule Buelach
EBYL Djebel Bou Yalou
EBZ Ebenezer Church
ECA El Cajon
ECAB El Cabril
ECAL Calabor
ECALA
ECAN Masseria Cannata
ECAT Cat-ERZURUM
ECB Carrickbyrne Hill
ECBD Case Bada
ECBX El Chinero
ECC El Centro
ECCO Edison CC
ECCS Contrada Cassone
ECD Elk Chute Ditch
ECDV Codavolpe
ECEA ^anakkale/Eceabat-Seddulbahir
ECEN Cerro Negro
ECEU Ceuta
ECF Echo Falls
ECG Echelle
ECH Echery
ECHA Ech Chlef
ECHE Chera
ECHF Ech Chlef
ECHI Chisagues Bielsa
ECHR Santa Chiara
ECIS Cisternazza
ECK Cauldkaine Hill
ECL Taimali
ECM Ellicott City
ECML Castelmola
ECNE Crateri Nord Est
ECNV Catenanuova
ECNX Esteban Cantu
ECO Colon
ECO2 Colon
ECOG Cogollos-Vega
ECOPE Copete-Rev Volc
ECP Carnsore Point
ECPN Case del Piano
ECR Eagle Creek
ECRI Cripan
ECSD EROS Data Center, Sioux Falls
ECT Ellsworth
ECTS Castiglione
ECVS Case del Vescovo
ECX Ensenada
ECZ East Cape
ECZM Case Zampini
ED- Edgewood ED-MI
EDB Eliza Dome
EDBA Buenos Aires
EDC Edincik
EDC* EscuelaIngenieria
EDDO Dominical
EDE1 Edessa
EDEN Eden
EDFI Ende, Flores
EDH Donghe
EDI Edinburgh
EDIL So. Illinois U.
EDIT Edith
EDK El Dorado
EDLM Las Mercedes
EDM Edmonton
EDMA Eldorado
EDMD Edmundbyers
ED-MI Edgewood
EDMN Edmundston, New Brunswick
EDO Endilloe
EDPN Palmar Norte
EDR Drumtochty
EDRB Edirne
EDRZ Edgecumbe
EDS3 Malargue
EDSV San Vito
EDT Edincik EDC
EDU Dundee
EDW Edwards Air Force Base,Rosamund
EDW2 Edwards Air Force Base 2, Rosamond
EDY Kabakon Island
EDZN EDZO
EEO Eldee
EF- Eagle Flat EF-TX
EFAM Famara
EFD Emergency Operations Facility
EFI East Falkland Island
EFIU Fiumefreddo
EFO Effingham
EFOR EFORIE
EFP Efpalio
EFR Efringen
EFSA Agios Efstratios
EF-TX Eagle Flat
EGA Jian Township
EGAK Eagle
EGC Eagle
EGD Espegrend
EGFH Guangfu
EGFM Gr delle femmine
EGI Egilsstadhir
EGL Gala Law
EGL1 Gala Law
EGM El Golfo de Santa Clara
EGMT Eagleton
EGN Eagle's Nest
EGOM La Gomera
EGOR Sierra Gorda, Loja, Granada
EGR Empire Grade Road
EGRA Graus
EGRIP EGRIP Drilling camp
EGRN Evergreen College
EGRO El Granado
EGS
EGSI Enggano, Bengkulu
EGUA Guajares
EGV Egvekinot, Chukotka
EGVZ Egvard
EGX Santa Clara
EHC Hejung
EHIG Higuera
EHN Echo Peak
EHOR Hornachuelos
EHP Heping Village
EHRO Hierro
EHUE Huescar
EHV El Hato
EHY Hungye
EIBI Ibiza
EIC Easter Island
EIDS Eidsvold
EIL Elat
EILF Villa Eilenroc - Antibes
EINC Incio
EISP Ispir
EJC Estacion Juarez
EJDE Erzurum, Palandoken
EJIF Jimena Frontera
EJIM Jimena Frontera
EJON La Jonquera
EK- Eureka (L) EK-NV
EKA Eskdalemuir Array
EKAR Karacoban
EKB Eskdalemuir
EKB1 Eskdalemuir Array Site B1
EKB10 Eskdalemuir Array Site B10
EKB2 Eskdalemuir Array Site B2
EKB3 Eskdalemuir Array Site B3
EKB4 Eskdalemuir Array Site B4
EKB5 Eskdalemuir Array Site B5
EKB6 Eskdalemuir Array Site B6
EKB7 Eskdalemuir Array Site B7
EKB8 Eskdalemuir Array Site B8
EKB9 Eskdalemuir Array Site B9
EKC Ekona
EKG Eskdalemuir EKB
EKH Elkhorn Ranch
EKMR Ekimchan
EKN Konogogo
EK-NV Eureka
EKO Elko
EKR Elk River
EKR1 Eskdalemuir Array Site R1
EKR10 Eskdalemuir Array Site R10
EKR2 Eskdalemuir Array Site R2
EKR3 Eskdalemuir Array Site R3
EKR4 Eskdalemuir Array Site R4
EKR5 Eskdalemuir Array Site R5
EKR6 Eskdalemuir Array Site R6
EKR7 Eskdalemuir Array Site R7
EKR8 Eskdalemuir Array Site R8
EKR9 Eskdalemuir Array Site R9
EKS Erkin-Say
EKS2 Erkin-Say
EKSU Eksjoe
EKTN Ekati Mine
EKU East Kanab
EL- Ellensburg EL-WA
EL2 El Mirage 2
EL6 Elcito
ELA Elazig
ELAGU Cayambe Volc
ELAN Lanestosa
ELAUS Gymnase
ELB Lambom Island
ELBA Catalca
ELBAS Elbasan
ELBS KAHRAMANMARAS_ Elbistan
ELC Elco
ELD Ethyl Lake Duckett
ELDR Elanda
ELDT Eldivan
ELDTW Lidau
ELF Elginfield
ELFMC Lycee
ELFO Elginfield
ELFS Eagle Lake Field Station, Susanville
ELGO Elora Gorge
ELGU Los Guajares, Granada
ELI Lubumbashi
ELIB Princess Elisabeth base, Queen Maud Land, Antarctica
ELIJ Sierra de Lijar
ELIM Elim
ELIZ Elizondo
ELK Elko
ELL Elmali
ELLO Elliot Lake
ELM Elma
ELMC El Mirage
ELMO Cerro Moro
ELMS Elmsett, Ipswich
ELMT Elliston
ELN Prospectdale
ELNB Elgin, New Brunswick
ELND Elena
ELNV Ellenville
ELO Logie Almond
ELOB Lobios
ELOJ Sierra Loja
ELOV Elorza
ELP El Pangue
ELPA Fila Paraiso
ELQ El Quisco
ELRC Elmore Ranch
ELRO Cerro El Roble
ELS Elsinore Mountain
ELSH Elham, Standardhill Farm (Kent)
ELT Eltsovka
ELT0 Eltsovka
ELU Electric Lake
ELUQ Luque
ELV Elvey
ELVI Sierra Elvira
ELW Echo Lake
EL-WA Ellensburg
ELY Ely
ELYF Elaudy
ELZ Elazig
ELZG Elazig
EM- Emporia EM-KA
EMA Elm
EMAL Malaga-Limonero
EMAR Monte Arcimis
EMAZ Mazaricos
EMB Emerald Bay
EMBD Embd, Mattertal
EMCN Etna Monte Conca
EME Emae
EMEL Melilla
EMFO Monte Fontane
EMFS Etna Monte Frumento Supino
EMGR Monte Grosso
EMHD Djebel Mahouada
EMI Eightmile Canyon
EMIJ Mijas
EMIL Monte Intraleo
EMIN Mina Concepcion
EMING Emmingen-Liptingen DE
EMIR Miracle
EMK Emporia
EM-KA Emporia
EML El Monte Cty Pk
EMLI Melilla
EMLP Malpasso
EMM East Machias
EMMET Emmethof
EMMT East Machias
EMMW East Machias
EMN Eldorado Mountains
EMNR Monte Nero
EMO Emosson
EMON Mondonedo
EMOS Mosqueruela
EMPA
EMPL Monte Parmentelli

Code	Station Name	Other
EMPR	Esperanza - Manati, PR	
EMRE	Erzurum,Aziziye	
EMRS	Mersa Alam	
EMRV	Monte Ruvolo	
EMS	Emosson-Mur	
EMSA	Motta S. Anastasia	
EMSB	Eumseong	
EMSC	East Mesa	
EMSG	Monte Spagnolo	
EMT	Emmet	
EMUR	La Murta	
EMUT	Emma Park	
EMV	Vieux Emosson	
EMVT	Monte Vetore	
EMX	El Mayor	
EN-	Ellsinore	EN-MO
EN6*	Monte Nero	
ENA	Nanau	
ENAH	Nanao	
ENCS	Nicolosi	
ENDA	Endulen Rd	
ENDD	Endenburg	
ENEL	Enilchek, Kyrgyzstan	
ENEZ	Enez	
ENG	Engineer Hill	
ENGB	English Bluff	
ENGD	Engstlatt	
ENGI	Ein Gedi	
ENH	Enshi	
ENIC	Nicolosi	
ENIJ	Nijar	
ENLB	Shoufeng	
ENLS	Nicolosi	
ENM	Eenrum	
ENM1	Eenrum	
ENM2	Eenrum	
ENM3	Eenrum	
ENM4	Eenrum	
EN-MO	Ellsinore	
ENMS	ENMS	
ENN	Epen	
ENPP	El Nido	
ENR	Entracque	
ENSF	Ens	
ENT	Entebbe	
ENTS	Ennepetalsperre	
ENTT	Nioudou	
ENV	Elp	
ENV1	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENX	Ensenada	
ENZ	Enzan	
ENZZ	Sultanice-Enez-Edirne	
EO1	Edge Oya	
EO2TX	Elmo	
EOCU	Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	
EOLT	Oltu	
EORO	Oroz-Betelu	
EOS1	EOS1	
EOSO	Osorio	
EP-	El Paso	EP-TX
EPA	Esparza	
EPAB	San Pablo	
EPALM	Reventador volcano	
EPAP	Piano d'Api	
EPAZ	Eden Park BICEP	
EPCH		
EPDN	Pizzo Deneri	
EPET	Petrulli	
EPF	Esparros	
EPH	Ephrata	
EPI	Epi	
EPID	Epidavros	
EPIS	Pennisi	
EPLA	Plasencia	
EPLC	Punta Lucia	
EPLO	Experimental Lakes	
EPM	Echo Peak	
EPMB	Univ. Columbia	
EPMC	Merrill Creek	
EPMN	Piedimonte	
EPNL	EPN Laboratorio de Estructuras	
EPOB	Poblet	
EPOL	Con Chiusa Politi	
EPON	Pontenova	
EPOS	Posof	
EPOZ	Pozzillo	
EPPA	Pizzo Paviglione	
EPR	East Pahranagat Range	
EPRM	East Prairie	
EPRU	Pruna	
EPSO	Coonabarabran	
EPT	El Paso	
EP-TX	El Paso	
EPU	East Promontory	
EPW	Ephrata	
EPYK	Eagle Plains	
EPZF	Pizzo Felice	
EQES	Quesada	
EQUE	Quentar	
EQUI	Equi	
ER1	Erice	ERC
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
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ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
ER319	Early Rise 319	
ERB	Rabaul (IGS)	
ERBA	Erbaa	
ERBM	Eremo	
ERBR	Yeremizino-Borisovskaya	
ERC	Erice	
ERCT	Erciyes	
ERCV	ERCIS-VAN	
ERD	Erdek	
ERE	Yerevan	
EREA	Eretria	
EREN	Erenkoy	
ERET	Eretria	
ERI	Eureka Ridge	
ERIK	Erikli-Kesan	
ERIN	Erian - IBB Gov. - Yemen	
ERIP	Rio Piedras	
ERK	Elk Rock	
ERM	Erimo	
ERMK	Ermenek	
ERMT	East Ridge	
ERN	Ernestine	
ERNS	Erzin	
ERON	Agron	
EROQ	Roquetas del Mar	
ERP	Erie	
ERPA	Erie	
ERPC	Ernies Place	
ERPF	Erpfingen	
ERPM	east rand property ines	
ERR	Err	
ERRC	Elmore Ranch	
ERS	Ellisras	
ERSA	Rifugio Sapienza	
ERT	Erto-Casso	
ERTA	Horta de San Juan	
ERTU	Ertsjaerv	
ERUA	La Rua	
ERW	Mount Erie	
ERZ	Erzurum	
ERZC	Erzyncan	
ERZM	Erzurum	
ERZN	Erzincan	
ERZT	Erzurum	
ES-	Espanola	ES-ON
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ES2	Esso	
ESA	Esa-ala	
ESAC	San Caprasio	
ESAD	Djebel Saadia	
ESAL	Sant'Alfio	
ESAN	Monte dei Santi	
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
ESB	Esa-ala	
ESBB	Sonseca Array BB	
ESC	El Salvador	
ESCA	l'Escarene	
ESCF	Escot	
ESCO	ESCO Site	
ESCV	Scorciavacca	
ESD	East Dome	
ESDC	Sonseca Array Beam Reference Point	
ESE	Esentepe	
ESEL	Selva	
ESF	Shoufeng Township	
ESGS	El Segundo	
ESH	Esan	
ESION	College des Creusets, Sion	
ESK	Eskdalemuir	
ESKT	Eskisehir	
ESKU	Eskilstuna	
ESL	Shilin	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
ESLN	Serra La Nave	
ESM	Semalu	
ESML	S. M. di Licodia	
ESMR	San Marino	
ESO	Esso	
ES-ON	Espanola	
ESP	Espenschied	
ESPC	Serra Pizzuta	
ESPN	Las Esperanzas	
ESPO	Espot	
ESPR	Espera	
ESPY	Espiye-Giresun	
ESPZ	Base Esperanza	
ESR	Escape Road	
ESRO	Monte Soro	
ESS	CRAAG	
EST	Estancia	
ESTN	Esteli@15	
ESTP	Estepa	
ESTR	Eastside	
ESU	Esutoru	
ESVO	Monte Scavo	
ESY	Stoneypath	
ET03	Palhano	
ET2	Eltopia	
ET3	Eltopia	
ETA	Tara	
ETAN	Djebel Tanoua	
ETAR	Tardaria	
ETAZ	East Tamaki Reservoir	
ETB	Estevan Point	
ETC	El Centro	
ETER	Terradas	
ETFI	Torre del Filo	
ETG	Eatonton	
ETHB	Djebel Tachoubennt	
ETKA	Kagalaska Island	
ETL	Fush Village	
ETLH	Xiulin Township	
ETMB	Extrema	
ETOB	Tobarra	
ETOR	Torete	
ETOS	Mallorca	
ETP	Eltopia	
ETRT	Tiaret	
ETRV	Los Montesinos	
ETS	Engine Test Stand	
ETSF	Etsaut	
ETT	Etowah	
ETU	East Traverse Mountains	
ETV	Tovanakuss	
ETVZ	East Tongariro	
ETW	Entiat	
ETX01	County Road 4772, Timpson	
ETX02	Prairie Street, Timpson	
ETX03	FM Road 95, Garrison	
ETX04	Route FM415 near Route 87	
ETX06	Route 59 and County Road 4763, Timpson	
ETX07	County Road 4760 near Route FM1970, Timpson	
ETYK		
EU-	Eutaw	EU-AL
EU2	Eutaw	EU2AL
EU2AL	Eutaw	
EU-AL	Eutaw	
EUC	Eureka Canyon	
EUCT	Pavia	
EUGM	Eugowra	
EUM	Eureka Mesa	
EUNU	Eureka	
EUO	Eugene	
EUR	Eureka	
EURB	Uiryeong-eup	
EUW	Eureka	
EUZM	Uzumlu	
EVA	Evander	
EVAL	Valverde	
EVCC	Everett College ANSS-SMO	
EVE	Everglades	
EVEN	Evensk	
EVES	Evensk	
EVGI	Lefkada island	
EVGW	Everett Gateway Middle School ANSS-SMO	
EVIA	Vianos	
EVIN	Evansville	
EVIV	Cofrentes, Valencia	
EVN	Everest	
EVNA	Vena	
EVNR	Evensk	
EVO	Evora	
EVOP	Sao Brissos	
EVR	Evrytania	
EVRN	Santa Venerina	
EVV	El Vigia	
EVZ	Mount Varzin	
EW-	Eniwetok	EW-IS
EW2	E Wide Canyon 2	
EWATT	Kantonsschule Wattwil	
EWC	East Wide Canyon	
EW-IS	Eniwetok	
EWJHS	Al Wajh	
EWT	Watom Island	
EWZ	Erewhon	
EWZT0	Triemli, ZR	
EWZT1	Frdhf. Weidikon, ZR	
EWZT2	Wettswil, ZR	
EWZT3	Uitikon, ZR	
EXAA	Alhama Almeria	
EXAD	Adra	
EXAG	Alhama Granada	
EXAI	Alicante	
EXAL	Albunol	
EXAM	Almeria	
EXAO	Algodonales	
EXAR	Arenas del Rey	
EXBA	Badajoz	
EXBE	Becerrea'	
EXBN	Benidorm	
EXBZ	Baza	
EXC	Excelsior	
EXCA	Cadiz	
EXCH	Chimeneas	
EXDI	Dilar	
EXED	Elda	
EXEE	El Ejido	
EXEL	Elche	
EXES	Estepona	
EXG	Exogi	
EXGA	Gandia	
EXGUA	Guardamar (Alicante)	
EXHU	Huelva	
EXJA	Jaen	
EXJU	Jumilla	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
EXMA	Malaga	
EXMO	Motril	
EXMU	Mula	
EXOR	Olula del Rio	
EXPA	Pamplona	
EXSA	Sarria	
EXSG	Experiment Station	
EXTA	Tarifa	
EXTO	Torrevieja	
EXVE	Vera	
EY-	Ely	EY-NV
EY2	Ely	EY2NV
EY2NV	Ely	
EYAK	Cordova Ski Area	
EYCZ	Eyrewell	
EYES	Ewing Young ES, Newberg ANSS-SMO	
EYL	Eskiyayla	
EYMN	Ely	
EY-NV	Ely	
EYP	El Yunque	
EYUL	Yuli	
EZ5V		
EZAM	Zamans	
EZC	Erzincan	
EZM	Erzurum	
EZN	Ezine	
EZPO	C.da Z Pietro	
F03A	Seaside	
F04A	Amboy	
F04D	Rainier, OR	
F05A	White Salmon	
F05D	White Salmon	
F06A	Goldendale	
F07A	Phinny Hill Vineyards, Prosser	
F08A	Pendleton	
F09A	S2 Ranch, Elgin	
F10A	Beach Ranch, Enterprise	
F11A	Grangeville	
F12A	Elk City	
F13A	Darby	
F14A	Wisdom	
F15A	Butte	
F16A	Kennard Place, Willow Creek	
F17A	Fitzpatrick Place, Clyde Park	
F18A	Big Timber	
F19A	Roth Farm, Molt	
F20A	Billings	
F21A	Absaloka Mine, Hardin	
F22A	Rosebud	
F23A	Volborg	
F24A	Ekalaka	
F25A	Bowman	
F26A	Lodgepole	
F27A	Lemmon	
F28A	McLaughlin	
F29A	Eureka	
F30A	Leola	
F31A	Hecla	
F32A	Veblen	
F33A	5 Mile Ranch, Herman	
F34A	Alexandria	
F35A	Swanville	
F36A	Milaca	
F37A	Hinrichs Farm, Grantsburg	
F38A	Pierce - Schroeder Farm, Trego	
F39A	Loretta	
F40A	Park Falls	
F41A	Three Lakes	
F42A	Maple Grove Farm, Niagara	
F43A	Flat Rock, Escanaba	
F44A	Big Bay de Noc Black Bears, Cooks	
F45A	CMU Biological Station, Beaver Island	
F46A	Macinaw City Comets, Mackinaw City	
F48A	Evansville	
F49A	Sandfield	
F51A	Arnstein	
F52A	Sundridge	
F55A	Otter Lake	
F57A	Harrington	
F58A	St-Lin Laurentide	
F59A	Saint Guilaume	
F60A	Warwick	
F61A	St Evariste	
F62A	Pittston Farm, Pittston Academy Grant	
F63A	Nahmakanta, Browneville	

Code	*Station Name*	*Other*
F64A	Sherman	
FA05	FA05	
FA06	FA06	
FA07	FA07	
FA08	FA08	
FA09	FA09	
FA1	Favara	FAI
FA10	FA10	
FA11	FA11	
FAB	Fabrichnaya	
FABU	Falkenberg	
FAC	Faja de Cima	
FACH	Fachingen	
FAE	Faenza	
FAEN	Faenza	
FAGN	Fagnano	
FAI	Favara	
FAIR	Fairbairn	
FAKI	Fak Fak	
FAL	Falling Springs	
FALK	Falkenberg	
FALL	Mountain Creek	
FALS	False Pass	
FALU	Falun	
FAM	Famagusta	
FAN	Fanning Island	
FANE	Correggio Fan	
FA-NV	Faultless	
FAQ	Al Faqa, Dubai	
FAR	Faro	
FARB	Farallon Islands	
FARG	Farmington	
FARH	Faro	
FARM	Veracruz	
FASA	Fasano	
FAT	Fatmalar	
FAU	Forcella Aurine	
FAV	Fayetteville	
FAVR	Favara	
FAY	Fayetteville	
FB03	FB03	
FB05	FB05	
FB06	FB06	
FB07	FB07	
FB08	FB08	
FB09	FB09	
FB10	FB10	
FB11	FB11	
FB2AK	Fairbanks	
FBA	Fairbanks	
FB-AK	Fairbanks	
FBAL	Fairbanks--Long Period	
FBAS	Fairbanks	
FBB	Freiburg im Breisgau	
FBC	Frobisher Bay	
FBE	Freiberg	
FBG	Trois Rivieres	
FBK	Fairbanks	
FBMT	Ferry Basin	
FBN	Frobisher Bay	FRB
FBO	Farmers Butte	
FBR	Fabra	
FBT	Foumbot	
FC03	FC03	
FC04	FC04	
FC05	FC05	
FC06	FC06	
FC07	FC07	
FC08	FC08	
FC09	FC09	
FC10	FC10	
FC11	FC11	
FCAB	Cabia	
FCAR	Ozark Folk Center	
FCBC	Franklin Camp	
FCC	Fort Churchill	
FCH	Farellones	
FCN	Frijoles Canyon	
FCOR	Fonte Corniale	
FCV	Fort Charlotte	
FD03	FD03	
FD04	FD04	
FD05	FD05	
FD06	FD06	
FD07	FD07	
FD08	FD08	
FD09	FD09	
FD11	FD11	
FD12	FD12	
FD14	FD14	
FD15	FD15	
FDA	Foz do Areia	
FDA4	Foz do Areia	
FDA5	Foz do Areia	
FDAF	Les Forges d'Abel	
FDAS		
FDCV	FORTIN DE LA CUMBRE	
FDF	Fort de France	
FDG1	Firdgum	
FDG2	Firdgum	
FDG3	Firdgum	
FDG4	Firdgum	
FDKY	Freedom	
FDMO	Fiordimonte	
FDU	Ford Ridge	
FE03	FE03	
FE04	FE04	
FE05	FE05	
FE06	FE06	
FE07	FE07	
FE08	FE08	
FE09	FE09	
FE10	FE10	
FE11	FE11	
FE12	FE12	
FE13	FE13	
FE14	FE14	
FE15	FE15	
FEA	Feather Falls	
FECT	Ferrara Citta	
FEF	Fern Forest	
FEKT	Feke	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FEMA	Monte Fema	
FEN	Shenyang	
FENE	Fenestrelle	
FENY	Casa Vinicio Caceres	
FEO	Feodosiya	
FER	Ferndale	
FER1	Fernandina1, Punta Espinoza	
FER2	Fernandina2, Punta Mangle	
FERB	Ferrara borehole (Italy)	
FERN	Isla Fernandina	
FERR	Ferguson	
FERS	Ferrara-Casaglia	
FESP	Espira	
FETA	Feichten	
FETI	Fethiye-Mugla	
FETY	Fethiye	
FF02	FF02	
FF04	FF04	
FF05	FF05	
FF06	FF06	
FF07	FF07	
FF11	FF11	
FF12	FF12	
FF13	FF13	
FF14	FF14	
FF15	FF15	
FF30	FF30	
FF31	FF31	
FF32	FF32	
FF33	FF33	
FF90	FF90	
FF91	FF91	
FF92	FF92	
FF93	FF93	
FF94	FF94	
FFBG	Frank Field Bay, Greenland	
FFC	Flin Flon	
FFD	Franklin Falls Dam	
FFNB	Fofonovo	
FFNT	Fontanafredda	
FG01	FG01	
FG02	FG02	
FG03	FG03	
FG04	FG04	
FG05	FG05	
FG06	FG06	
FG07	FG07	
FG08	FG08	
FG09	FG09	
FG1	Foggia	FOG
FG10	FG10	
FG11	FG11	
FG12	FG12	
FG13	FG13	
FG14	FG14	
FG2	Serracapriola	
FG3	Mte Sant'Angelo	
FG4	Candela	
FG5	Orsara di Puglia	
FG6		
FGG	Foggia	FOG
FGMS	Monte Sant'Angelo	
FGO	Fuego	
FGO2	Fuego 2	
FGRZ	Gorizia	
FGSL	Fruska Gora	
FGTN	Flat Gap	
FGTQ	Fig Tree	
FGU	Flaming Gorge	
FH-	Fort Sherman	FH-PM
FH02	FH02	
FH03	FH03	
FH04	FH04	
FH05	FH05	
FH06	FH06	
FH07	FH07	
FH09	FH09	
FH10	FH10	
FH11	FH11	
FH12	FH12	
FH13	FH13	
FH14	FH14	
FHC	Fickle Hill	
FHE	Frenchman Hills East	
FHMC	Merrill Creek	
FHO	Fitzroy Harbor	
FH-PM	Fort Sherman	
FHRB	Fair Harbour	
FHV	Haldarsvik	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIAM	Fiamignano	
FIB	Fire Island	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIBO	Fila Bonilla	
FIBU	Brunna	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FICA	Fila Carbon	
FICH	Ethiopian Broadband Seismic Experiment	
FID	Port Fidalgo	
FIER	Fieri	
FIESA	Fiescheralp	
FIG	Monte Figo	
FIGC	Figueroa Mtn.	
FIGM	Figuig	
FIK	Fieale Koma	
FIL	Fillmore	
FILF	Fillols	
FIN	Finale Ligure	
FINB	Finale Ligure	
FINC	Finschhafen	
FINE	Fine	
FINES	FINESS Array Beam Reference Point	
FINN	Finn Hill Junior High School	
FINU	Finntorp	
FINV	Invillino	
FIPE	Fila de Piedra	
FIR	Firenze	
FIRM	Firavahana	
FIS	Fire Island	
FISA	Sacuragua	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FIU	Minerbio Fiu	
FIU1	Fiuminata	
FIVI	Fivizzano	
FJ01	FJ01	
FJ02	FJ02	
FJ03	FJ03	
FJ05	FJ05	
FJ06	FJ06	
FJ07	FJ07	
FJ08	FJ08	
FJ09	FJ09	
FJ11	FJ11	
FJ12	FJ12	
FK-	Franktown	FK-CO
FK04	FK04	
FK05	FK05	
FK06	FK06	
FK07	FK07	
FK08	FK08	
FK09	FK09	
FK10	FK10	
FK11	FK11	
FKAF	FKAF	
FKBC	Forrest Kerr	
FK-CO	Franktown	
FKH	Fakeheh	
FKI	Failaka Island	
FKJ	Fukue	
FKJD	Fukui	
FKK	Fukuoka	
FKO	Franklin	
FKPU	Falk	
FKS	Fukushima	
FL-	Fort Nelson	FL-BC
FL01	Flin Flon Array Site 1	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL2	Flat Top 2	
FL31	Flin Flon Array Site 31	
FLA	Flat	
FLACH	Flaach	
FLAF	Flassans-sur-Issole	
FLAG	Flagstaff	
FLAM	Flamenco Island	
FLAR	Flin Flon Array Beam Reference Point	
FLAS	Fullerton Airport	
FLAUT	fort du Flaut	
FL-BC	Fort Nelson	
FLCF	Florentin-la-Capelle	
FLE	Fletcher	FLET
FLET	Fletcher	
FLFR	Flavio Alfaro	
FLG	Flagstaff	
FLK	Falkland Islands	
FLKY	Flemingsburg	
FLLB	Fletcher Lake Big Creek, BC	
FLN	La Foliniere	
FLO	Florissant	
FLO1	Florina	
FLO2	Florina	
FLOC	Florencia	
FLOF	La Fare-les-Oliviers - 13037	
FLOM	Florida	
FLOR	Flores Is	
FLOS	Flostrand	
FLP	Featherly Pass	
FLPT	Flippin	
FLR	Fall River	
FLS	Las Flores	
FLSC	Flash Two Peak	
FLT	Fleetwood	
FLTG	Flechtingen	
FLU	Fool Peak	
FLV	Fish Lake Valley	
FLW	Foulwind	
FLWY	Flagg Ranch	
FLYU	Flymyra	
FM-	Fillmore	FM-UT
FMA	Fort MacArthur	
FMC	Four Mile Canyon	
FMF	Francis Marion National Forest	
FMKY	Fulgham	
FMON	Montouss^	
FMP	Fort Macarthur Park, San Pedro	
FMPA	Franklin College	
FMT	Funeral Mountains	
FMTX	Flower Mountain	
FM-UT	Fillmore	
FMW	Mount Fremont	
FN-	Franklin	FN-WV
FNA	Florina	
FNBB	Fort Nelson	
FNBC	Fort Nelson	
FNC	Finlay Fork	
FNDO	Fernando de Noronha	
FNEB	N"bias	
FNF	Frandzen Federal Estate	
FNG	Fond-Bernard	
FNN	Franconia Notch	
FNO	Franklin	
FNT	Hobart	
FNVD	Fontana Vidola	
FN-WV	Franklin	
FO-	Fort Stockton	FO-TX
FOA	Forni Avoltri	
FOC	Focsani	
FOCM	Fo^§a	
FODE	Fodele	
FOE	Fourare	
FOEL	Foel Wylfa	
FOG	Foggia	
FOL	Foligno	
FOMA	Nahampoana Res	
FON	Fontana	
FONT	Fontmartina	
FONW	Fourpeaked Station 2	
FOO	Floro	
FOPK	Fourpeaked Volcano	
FOR	Fordham	
FOR1	Fortaleza - CE	
FORC	Fortuna	
FORR	Forrest	
FORT	Forrest	
FORU	Forsmark	
FOSD	Fosdinovo	
FOSS	Fourpeaked Station 1	
FOSV	Fossato di Vico	
FOT	Fontinhas	
FOTD	Funaoka	
FO-TX	Fort Stockton	
FOUF	Fouillouse	
FOX	Fox Creek	
FOXC	Fox Airport	
FOZ	Fox Glacier	
FP03	FP03	
FP05	FP05	
FPAL	Fort Paine	
FPK		
FPN	Fairview Peak	
FPN1	Fairview Park	
FPOZ	Pozzuolo	
FPPC	Fogo--Pe de Pico	
FPRM	Premariacco	
FPST	Four Points	
FPU	Francis Peak	
FPW	Fields Point	
FR-	Forsyth	FR-MA
FR05	FR05	
FR27	Wilpena Pound	
FRA	Furnas	
FRA1	Furnas	
FRAS	Faraa	
FRB	Frobisher Bay	
FRC	Federal Ranch	
FRCO	San Francisco	
FRD	Ford Ranch, Anza	
FRE	Fresno	
FRE8	Fregona	
FRED	Fred Haigh	
FRES	Fresagrandinaria	
FRF	La Foret Royale	
FRG	Fergana	
FRGC	Fargo Canyon	
FRGS	Fruska Gora	
FRI	Friant	
FRIJ	El Hiral	
FRIM	Kepong	
FRIS	Frissel Point	
FRJS	Jabal Farasan	
FRK	Frink	
FRM	Flat River	
FRMA	Ierapetra Chania	
FR-MA	Forsyth	
FRN	Fernie	
FRNC1	Faz. Rancharia - MS	
FRNF	Fournols	
FRNY	Flat Rock	
FRO	Froya	
FROB	Froelich Ranch	
FRON	Frontone	
FROS	Frosini	
FRP	Fremont Peak	
FRR	Firariana	
FRS	Fauresmith	
FRS1	Farsala	
FRSO	Firsovo	
FRSS	Farasan al Kabir	
FRSS2	Sair Farasan Island	
FRT	Faratahi	
FRTB	Fartura	
FRTM	Forrest	
FRTX	Fuller Ranch	
FRU	Bishkek	
FRU1	Bishkek	
FRV	Farmville	
FRZ	Fierza	
FS-	Flagstaff	FS-AZ
FS03	Four Seasons	
FS1	Fosdinovo	FSI
FSA	Cafayete	
FS-AZ	Flagstaff	
FSB	Fort Saint James	
FSC	Fuscaldo	
FSCY	Frank Sound, Grand Cayman	
FSD	Sut uroy	
FSGC	Sgonico	
FSH	Hochheid	
FSHM	Fish Creek	
FSI	Fosdinovo	
FSJ	Fort Saint James	
FSK	Fiskardo	
FSMA	Fort Smith	
FSP	False Pass	
FSR	Penalolen	
FSSB	Fossombrone	
FST	Fort Simpson	
FST1	Fort Simpson	
FSU	Fish Springs	
FSV	Svinoy	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FT-	Fort McLeod	FT-BC
FTA	Fortuna	
FTB	Fintinele	
FT-BC	Fort McLeod	
FTC	Fort Tejon	
FTM	Fortuna Mine	
FTMN	Fort Manro	
FTO	Torshavn	
FTR	Fort Ross	
FTV	Front Royal	
FTW	Fairmont	

Code	Station Name	Other
FTZM	Fitzroy Falls	
FUB	Fube	
FUG	Fuego 3	
FUJ	Fuji-kawa	
FUK	Fukui	
FUL	Funchal	
FULB	Fuli	
FULC	Fullerton	
FULR		
FUM	Fumarole	
FUN	Funatsu	
FUN1	UHE Funil - MG	
FUNA	Funafuti	
FUNV	FUNVISIS	
FUORN	Ofenpass-Fuorn	
FUQ	Fuquene	
FUR	Furstenfeldbruck	
FURC	Furnace Creek,Death Valley	
FURD	Furusato	
FURI	Furi	
FUSE	Fusea	
FUSIO	Fusio	
FUSS	Fushou	
FUT	Futatsui	
FUTA	Futaleufu@15	
FUTB	Futbol	
FVA	Vagar	
FVAF	FVAF	
FVI	Forni Avoltri	
FVM	French Village	
FWS	Furtwangen	
FWV	Forest Hill	
FWVZ	Far West T-bar	
FX1	Attu Island--Fox	
FXWY	Fox Creek	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FYD	Fayid	
FYM	Al Fayyum	
FYTO	Fytoko, Volos	
FYU	Fort Yukon	
G03A	Yamhill	
G03D	McMinnville, OR	
G04A	Mulino	
G05A	Wamic	
G05D	Wamic, OR	
G06A	Carlson Farm, Grass Valley	
G07A	Ruggs Ranch, Heppner	
G08A	Pilot Rock	
G09A	Cove	
G10A	Bishop Farm, Joseph	
G11A	Walters Elk Ranch, Riggins	
G12A	Big Creek, Yellow Pine	
G13A	Cobalt	
G14A	Jackson	
G15A	Dillon	
G16A	Moss Hill, Ennis	
G17A	Pierce Place, Pray	
G18A	Lazy EL Ranch, Roscoe	
G20A	Bridger	
G21A	Lodge Grass	
G22A	Birney	
G23A	Biddle	
G24A	Alzada	
G25A	Newell	
G26A	Maurine	
G27A	Dupree	
G28A	Parade	
G29A	Hoven	
G30A	Faulkton	
G31A	Conde	
G32A	Webster	
G33A	Ortonville	
G34A	Benson	
G35A	Watkins	
G36A	St. Michael	
G38A	Ridgeland	
G39A	Holcombe	
G40A	Rib Lake	
G41A	Antigo	
G42A	Mountain	
G43A	Wallace	
G45A	Suttons Bay	
G46A	Petoskey	
G47A	Hillman	
G53A	Haliburton	
G54A	Lake Saint Peter	
G55A	Calabogie	
G57A	Newington	
G58A	Ormstown	
G59A	Clarenceville	
G60A	Masonville	
G61A	St-Isidore-de-Clifton	
G62A	West of Eustis	
G63A	Kingsbury	
G64A	Maxfield	
G65A	Princeton	
GA2TX	Grand Saline	
GA3TX	Grand Saline	
GAB	Gabbs	
GABY	Abymes - Guadeloupe	
GAC	Glen Almond	
GACM	Adobe Creek	
GACO	Gateway	
GADA	Gvkgeada	
GAEA	Gareloi East	
GAF	Gafsa	
GAFM	Point Arena AFB	
GAG1	Gagliole	
GAGG	Gaggia	
GAI	Gainesville	
GAIG	Gaighat	
GAKI	Gareloi-Kavalga I.	
GAL	Galerazamba	
GAL1	Galloway	
GALA	Gala	
GALAA	Gareloi Lava Pt.	
GALC	Galileo	
GALE	Galera	
GALF	Gagliano Castelferrato	
GALG	Neuhausen (Enzkreis), Galgenberg	
GALN	Gameti Lake	
GALR		
GALT	Gorno-Altaysk, Altai Republic, Russia	
GAM	Garm	GAR
GAMB	Gambell	
GAMI	Galela, Maluku	
GAN	Gretna	
GANDO	Gandoh	
GANE	Gareloi Northeast	
GANF	Ganagobie	
GANJ	Ganja	
GANO	Gareloi North	
GAP	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GAR	Garm	
GARC	Garzon, Huila	
GARD	Gard house	
GARG	Garrygala	
GARI	Garurganga	
GARM	Arbuckle	
GARN	Garrison	
GAS	Alder Springs	
GASB	Alder Springs	
GASG	Gaspe, Quebec	
GASW	Gareloi Southwest	
GATE	Gambatesa	
GATR	Gnd/Air Tx Cntr	
GA-TX	Grand Saline	
GAU	Ngau Island	
GAUS	Gevers	
GAV	Glen Avon	
GAVD	Gavdhos	
GAVE	Gavelli	
GAXM	Alexander Valley	
GAY	Galvasay	
GAZ	Gaziantep	
GAZI	Gazipasa	
GAZZ	Gazzo Veronese (Italy)	
GB01	Guatemala OBS 1	
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB1A	Borinquen Arriba	
GBA	Gauribidanur Array	
GBAM	Glenbawn Dam	
GBAN	Gaibana	
GBAS	Gorenja Brezovica	
GBB	Gable Butte	
GBBM	Glenbawn Bedrock	
GBC	Guantanamo Bay	
GBD	Granbergs Dal	
GBDM	Big Darby	
GBF	Grand Ballon	
GBG	Greensboro	
GBGM	Boggs Mountain	
GBI	Big Grassy Butte	
GBL	Gable Mountain	
GBLN	Grizzly Bear Lake	
GBM	Granite Butte	
GBMF	Grand Be	
GBMM	Baldy Mountain	
GBN	Guysborough	
GBNC	Greensboro	
GB-NM	Gasbuggy	
GBO	Fort Gibson	
GBOM	Black Oak	
GBOS	Grotte di Bossea	
GBPR	Guanica, Bosque Seco, PR	
GBR	Grand-Bara	
GBRS	Gornja Briga	
GBS	Qobustan	
GBS2	Las Lilas	
GBS3	Finca Las Imˆ¡genes	
GBT	Gilbert	
GBTN	Greenback	
GBV	Green Bank	
GBY	Granite Bay	
GBZ	Great Barrier	
GBZT	Gebze	
GC-	Glacier Peak	GC-WA
GC1	Gold Cst Hrdrock	
GC1S	Gold Coast 1 Soft	
GC2	Gold Coast Softrock	
GC2F	Gold Coast 2 Fill	
GCA	Glen Canyon	
GCAM	G?zelcaml?	
GCAZ	Grand Canyon	
GCBM	Chamberlain Ridge	
GCC	Granite Creek	
GCD	Castle Douglas	
GCG	Guatemala City	
GCIS	Gornji Cirnik	
GCK	Clark Valley	
GCL	Cushendall	
GCM	Grand Cayman	
GCMM	Cobb Mountain	
GCMP	Grenada, Carriacou, Mt. Pleasant	
GCMT	Greycliff	
GCPN	Pointe noire	
GCPR	Guaynabo City	
GCR	Grayling Creek	
GCRM	Castle Rock Springs	
GCSA	Galena City School	
GCSM	Cold Spring Mountain	
GCSZ	Gaunt Creek Borehole	
GCUF	Volcan Galeras	
GCVM	Cloverdale	
GCW	Grand Coulee	
GC-WA	Glacier Peak	
GCWM	Cow Mountain	
GCY	Glen Cove	
GD-	Grundy	GD-VA
GD1S	Gladstone Soft Rock	
GDB	GEDABAY	
GDCM	Dry Creek	
GDD	Ghadhada	
GDDT	Gundogdu	
GDH	Godhavn	
GDHS	Morne Mazeau, Deshaies	
GDL2	Guadalupe Mountain	
GDLC		
GDLE	Glaisdale, N Yorkshire Moors	
GDLN	Gardenia Lake, NWT	
GDM	Grand'Maison	
GDR	Gold River	
GDSD	La Dˆsirade Island	
GDU01	Guandu, BA	
GD-VA	Grundy	
GDXM	Geysers	
GDZ	Gediz	
GE-	Globe	GE-AZ
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEAM	CSIRO Animal Health Laboratory	
GE-AZ	Globe	
GEB	Gebze	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GECU	Ecuador Network	
GED	Gedeh	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GEDT	Gedikpinar	
GEDZ	Gediz	
GEE	Geehi	
GEES	Gees Lookout	
GEG	Gegechkori	
GEIT	Geita	
GELF	Grande-Etoile	
GELI	Tayfur-Gelibolu	
GEM	Giv'at Ha'Em	
GEMT	Gemlik	
GEN	Genova	
GENF	Genat	
GENH	Genta-Ana	
GENI	Genyem	
GENL	Genova University	
GENO	Geno	
GENY	Geneseo	
GEO	Georgetown	
GEPF	Gemona	
GERES	GERESS Array Beam Reference Point	
GERM	Germantown	
GET	Gonen	
GEVA	Gevas	
GEWE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
GEXS	Deakin University, Geelong	
GEYT	Alibeck	
GEYV	SAKARYA_Geyve	
GEZ	Gezan	
GF-	Goldfield	GF-NV
GFA	Gafsa	
GFC	Funks Creek	
GFM	Grandfather Mountain	
GFN	Grafton	
GFNU	Grise Fiord	
GF-NV	Goldfield	
GFP	Griffith Park	
GFTM	Plant 15--Mercuryville	
GFW	Glenfield	
GG-	Grafenberg Ar.	GG-GR
GGC	Guia Canaria	
GGF	Granges-Gontardes	
GG-GR	Grafenberg	
GGLM	Glenview	
GGN	Saint George	
GGP	Refugio Guagua Pichincha	
GGPC	Guagua Pichincha Codigem	
GGPM	Geyser Peak	
GGR	Gangavaram	
GGUM	Gualala	
GGV	Gabriel Gonzalez Videla	
GHA	Glashutten	
GHAJ	Ghor Haditha	
GHAN	Ghanteswor	
GHAR	Gharyan	
GHASH	GHASH	
GHAT	Ghardimaou	
GHC	Gold Hill	
GHCM	House Creek	
GHGM	Hogback Ridge	
GHI	Gilbert Hill	
GHIB	Gold Hill	
GHIR	Ghir-Karzin	
GHLM	Highland Springs	
GHMM	Hull Mountain	
GH-MS	Greenville	
GHNB	Nanoose	
GHO	Glory Hole Creek	
GHOM	Hamilton Opening	
GHRR		
GHS	Gilroy Hot Springs	
GHSS	Government House	
GHV	Goochland	
GHVM	High Valley	
GHVR	GHOM	
GHW	Garrison Hill	
GHZJ	Ghuzeima	
GI-	Glendive	GI-MA
GIA	Geophysical Institute, University of Alaska	
GIA1	Giannitsa	
GIB	Gibilmanna	
GIBL	Gibalbin	
GID	Gilleleje	
GIDA	Gidamilanda	
GIE	Galapagos Islands	
GIF	Gifu	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GIGS	Gran Sasso	
GIL	Gilmore Creek	
GILB	Gilboa	
GILD	Guildford	
GILR	Gillis	
GILT	SW Tenn Gill Cnt	
GIM	North Isle of Man	
GI-MA	Glendive	
GIMEL	St. Georges / Gimel	
GIN	Stromboli-G	
GIO	San Gregorio	
GIP	Gileppe	
GIRC	Giron, Santander	
GIRL	Giralia	
GIRR	Girov	
GIS	Gissar	
GISR	Galati	
GIUL	Giuliano Di Roma	
GIUM	Giurgiulesti	
GIVF	Givet	
GIZ	Gizo	
GJC	Grand Junction	
GJIK	Gjilan	
GJRN	Ganjari	
GKA	Goroka	
GKC	Gold King Creek	
GKD	Gaurikund	
GKN	Gorkha	
GKP	Gorka Klasztorna	
GL-	Garland	GL-TX
GL1R	Gelendzhik	
GL2	New Goldendale	
GLA	Glamis	
GLAD	Gladstone	
GLADS	Gladstone Plant	
GLAT	Glass	
GLB	Gilahina Butte	
GLBA	Ca@14lilabad	
GLC	Glacier Island	
GLD	Golden	
GLE	Glenmuick	
GLEN	Glenside	
GLFJ		
GLGT	Gilgit	
GLH	Golan-Tel Qazir	
GLHS	Glhisar (BURDUR)	
GLI	Glacier Island	
GLK	Glacier Lake	
GLKZ	Green Lake	
GLL	Jalalah	
GLM	Gilmore Dome	GLN
GLMI	Grayling	
GLMM	Glenmaggie	
GLMO	Le Moule	
GLN	Gilmore Dome	
GLNM	Glennies Creek Dam	
GLO	Gloucester	
GLOV	Gloversville	
GLP	Golpazari	GPA
GLR	Groom Lake Road	
GLS	Giles	
GLST	Glass	
GLT	Gallatin	
GL-TX	Garland	
GLVR	Golovnino	
GLWN	Glow Worm Lake	
GM-	Guantanamo	GM-CU
GMA	Granite Mountain	
GMB	Gambarie	
GMC	Macagua	
GMCM	McLaughlin Ranch	
GM-CU	Guantanamo	
GMG	Grassy Mountain	
GMI	Garnes Mountain	
GMJI	Gumukmas	
GMK	Mull of Kintyre	
GMKM	Mount Konoctai	
GMLD	Gumuldur	
GMM	Mts of Mourne	
GMMM	Mayacamas Mountains	
GMN	Gold Mountain	
GMNA	Gemona	
GMO	Grizzlie Mountain	
GMOM	Moffitt Ranch	
GMR	Groom Range	
GMRC	Granite Mountains Research Center, Essex	
GMRK	Grmije	
GMRZ	Gyumri	
GMTN	Garret Mountain	
GMU	Granite Mountain	
GMV	El Manteco	
GMW	Gold Mountain	
GN-	Gnome	GN-NM
GNAM	Navarro Ridge	
GNAR	Gosnell	
GNBR	Gunib	
GNF	Goodnow Flow	
GNG	Grange	
GNI	Garni	
GNK	Ganki	
GNKF	Gonabad	
GNKN	Gaynekanda	
GNL	Ganaly	
GNM	Golden	
GNN	Gunnerudssatern	
GN-NM	Gnome	
GNO	Genoa	
GNOU	Gnosjoe	
GNOW	Gnowangerup	
GNT	Gentilly	
GNW	Green Mountain	
GNYT	Guneyli	
GNZ	Gisborne	
GO-	Gordon	GO-NB
GO01	Chusmiza	
GO02	Mina Guanaco	
GO03	Copiapo@15	

Code	*Station Name*	*Other*
GO04	Tololo Observatory, Vicun@16a	
GO05	Hualan@16e@15	
GO06	Curarrehue	
GO07	Milladeo Hill, Quello@15n	
GO08	Villa O'Higgins	
GO09	Cerro Castillo	
GO10	Punta Arenas	
GOA	Goa	
GOAT	Goat Mountain	
GOB	Galiano Island	
GOBA	Gobu	
GOBAX	Ethiopian Broadband Seismic Experiment	
GOBB	Galiano Island	
GOBY	Gobbelet	
GOC	Griffith Observatory	
GOCB	Gochang-gun	
GOET	G??ttrup	
GOF	Gofitskoye	
GOG	Mont Gurugu	
GOGA	Godfrey	
GOGM	North Grampians	
GOGS	Gogaran	
GOIL	Rosebud	
GOKA	ˆanakkale-G¨¶kˆ§eada	
GOKC	Gokceada-Canakkale	
GOL	Golden	
GOLB	Goldborn	
GOLD	Kubaka	
GOLH	Golhisar	
GOLM	Goulmima	
GOLR		
GOLS	Golis@17e	
GOLV	Golondrinas	
GOM	Goma	
GOMA	Golmarmara-Manisa	
GON	Gongen	
GO-NB	Gordon	
GONE	Gonen-Balikesir	
GONZ	Gonzanamˆ¡	
GOPC	GO Pecny, Ondrejov, Czech Republic	
GOR	Gori	
GOR1	Gortina	
GORA	Gorafe	
GORC	Green Oak Ranch	
GORE	GORE	
GORG	Isola Di Gorgona	
GORR	Gorreto	
GORS	Gorjuse	
GOS1	Gosan-ri	
GOT	Goteborg	
GOTU	Gotland	
GOU	Gould Hall	
GOU1	Goumenissa	
GOV	Govalcot	
GOWB	Gowlland Point	
GOY	Gornyy	
GOZ	Gozaisho	
GP-	Grand Rapids	GP-MN
GPA	Golpazari	
GPD	Greenpond	
GPDO	Montville, Ohio	
GPMM	Pine Mountain	
GP-MN	Grand Rapids	
GPNO	Pichincha	
GPNR	Gulpinar-Canakkale	
GPO	China Lake	
GPS1	Guardaparques de Rinc‡n de la Vieja	
GPS2	Hotel Rinc‡n de la Vieja Lodge	
GPS3	Bodega del ICE en Pailas	
GPTB	Petit Bourg	
GPV	Virgin Gorda Peak	
GPW	Glacier Peak	
GPY	Gippayama	
GPZ	Gebbies Pass	
GQP	Guinayangan	
GR1C	Gorgona, Isla Gorgona	
GR1TX	Grit	
GR2	Grit	GR2TX
GR2C	Griffith Obs. 2	
GR2TX	Grit	
GRA	Graz	
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRAC	Grapevine Ranger Station, Death Valley	
GRAI	Grandview Point	
GRAM	Graiana	
GRAN	Grantham	
GRAU	Graesoe	
GRB	Gharib	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB3	Grafenberg Array	
GRB4	Grafenberg Array	
GRB5	Grafenberg Array	
GRBF	Gourbit	
GRBR	Gravata	
GRBT	Greenback	
GRC	Garchy	
GRC1	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRCC	Green River Community College BBO	
GRCI	Grant Creek	
GRCU	Cariacou	
GRD	Gardner Farm	
GRDB	Briano	
GRDE	Gerede-Bolu	
GRDM	Monte Maddalena	
GRDQ	Quinzano	
GRDS	Las Granadillas	
GRDT	Desenzano Tresine	
GRE	Grenada	
GRE3	Grevena	
GRER		
GRESR	Susuman	
GRF	Grafenberg Array	
GRFF	Grenada Fort Frederick, Mt. Wheldale, St. Georges	
GRFL	Gerfalco	
GRFO	Grafenberg	
GRG	Griva	
GRGC	Isla de Gorgona	
GRGR	Grenville	
GRH	Grahamstown	
GRHS	Sauteurs	
GRI	Girifalco	
GRI*	Grit	GR1TX
GRIC	Isle de Caille	
GRIMS	Grimsel Gerstenegg	
GRIN	Grindle Hills	
GRISU	ISU Giurgiu	
GRJ	Gorje	
GRJI	Gresik	
GRK	Goroka	
GRK1	Goroka	
GRL	Gorelyy	
GRLA	Grayling	
GRM	Grahamstown	
GRMC	Gramalote, Santander	
GRMI	Germi	
GRMM	Round Mountain	
GRN	Grenoble	
GRN*	Grenoble	
GRNB	Grenville Island	
GRNC	Granite Creek	
GRNM	Rancho Navarro	
GRNR	Gornyy	
GRO	Groznyy	
GROC	Groznyy	
GROG	Isola di Gorgona	
GROM	Round Mountain	
GRON	Grota Negra	
GROR	Grindstone Mountain	
GROS	Grobnik	
GRP	Granite Pass	
GRPR	Tuman	
GRQ	Grand Remous	
GRR	Gorron	
GRRI	Grays Lake	
GRRZ	Galatos Road	
GRS	Goris	
GRSN	GIRESUNGRSN	
GRSS	Sisters	
GRT	Gratio	
GRTK	Grand Turk	
GRTM	Round Top Mountain	
GRTR	Gornotajezhnoje	
GRTS	Gornotaezhnoe	
GRUS	Gruza	
GRV	Greenville	
GRVM	Greaves Creek	
GRVS	Gornovodnoe	
GRW	Mount Saint Catherine	
GRX	Grover	
GRY	Greymouth	
GRYON	Gryon	
GRZ	Great Barrier Island	
GRZ1	Mausoleum Waldhaus Greiz	
GS-	Grantsville	GS-MD
GSA	Caltech--GSA	
GSAR	Gosnell High Sch.	
GSC	Goldstone, Barstow	
GSCK	Great Sitkin Cape Kiugilak	
GSCL	Gusciola	
GSCY	Girl Scout Camp	
GSGM	Seigler Mountain	
GSH	Grosshau	
GSI	Gunungsitoli	
GSIG	Igitkin Island	
GSM	Grass Mountain	
GSMB	CHITILA	
GS-MD	Grantsville	
GSMM	Socrates Mine	
GSMY	Great Sitkin Middle Yoke	
GSNM	Snow Mountain	
GSP	Gladstone Stream	
GSPH	General Santos City	
GSQ	Grosses Roches	
GSR	Geological Survey, Reston	
GSSM	Skaggs Springs	SKG
GSSP	Great Sitkin Saddle Point	
GSTB	Goldstream Park	
GSTD	Great Sitkin Triple Divide	
GSTR	Great Sitkin Teapot Rock	
GSUT	Gun Site Peak	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GSZ	Glacier Shelter	
GT-	Galeton	GT-PA
GT2	Goat Mountain	
GTA	Gaotai	
GTBY	Guantanamo Bay	
GTC	Three Chop Ridge	
GTD	Georgetown	
GTFE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
GTH2	Gythion	
GTK	Tadong	
GTM	Goat Mountain	
GTMO	Guantanamo	
GTN	Gotemba	
GTO	Geraldton	
GTOI	Gorontalo	
GTP	General Santos	
GT-PA	Galeton	
GTR	Jabal at Tayr	
GTRI	Great Rift	
GTS	Gentvishi	
GTSM	Trough Springs	
GTT	Gottingen	
GTTG	Gvttingen	
GTTN	Green Top	
GTU	Guttu	
GTV	Cerro Toribio	
GTWN	Georgetown Playfield ANSS-SMO	
GUA	Guam	
GUA01	Guaratinga, BA	
GUAB	Guayabo de Bagaces	
GUAC	Guacamaya	
GUAL	Guallil	
GUAM	Guam	
GUAMO	Guam	
GUAN	Valle de Guanape	
GUAR	Guarcino	
GUAY	Guayacanes	
GUB	Guba	
GUD	Guadarrama	
GUDA	Gudauri	
GUDE	Ethiopian Broadband Seismic Experiment	
GUDG	Gudauri	
GUEC	Guerrero, Norte de Santander	
GUI	Guimar	
GUIM	Jordan	
GUIV	Guiria	
GUL	Gulkana	
GULA	Gulagac	
GULE	Gulek	
GULF	Gulfidan-Ladik(Samsun)	
GULN	MERSIN_Gulnar	
GULT	Gulveren	
GULW	Guler Mountain	
GUM	Guadalajara	
GUM2	Guadalajara 2	
GUMA	Gualdo di Macerata	
GUMO	Guam	
GUMR	Gum-Bashi	
GUMT	Gumushane	
GUN	Gumba	
GUND	Gundaroo	
GUNE	Kayseri	
GUNV	Guanoco	
GUNZ	Gunzen	
GUO	Oaxaca	
GUR	Goura	
GURO	Guroymak-BITLIS	
GURV	El Guri	
GUT	Gutenstein	
GUV	Guri	
GUV1	Guri Network	
GUV2	Guri Network	
GUV3	Guri Network	
GUV4	Guri Network	
GUV5	Guri Network	
GUVC	San Jose del Guaviare	
GUWA	GUWAHATI	
GUY2C	Guyana, Caldas	
GUYB	Guaymas	
GUYC	Guyana, Colombia	
GUZR	Guzeripl'	
GV-	Grapevine	GV-TX
GVA	Apache Junction	
GVD	Gavdhos	
GVDA	Garner Valley	
GVDS	Gavdos	
GVI	Bet Guvrin	
GVL	Greenvale	
GVMR	Giv'at Hamore	
GVN	Grapevine	
GVR	Green Valley Road	
GVRC	Garvey Reservoir	
GVS	Graniteville	
GV-TX	Grapevine	
GVV	Valley View	
GVZ	Greta Valley South Island, New Zealand	
GWBC	Aumenau	
GWBE	Wiesbaden	
GWBF	Romrod	
GWC	Great Whale River	
GWDE	Greenwood	
GWF	Grand Wintersberg	
GWH	Guwahati	
GWJ	Greenwich	
GWKM	Walker Ridge	
GWR	Great Whale R.	PBQ
GWRM	Wonder Ranch	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
GWYB	Gwangyang	
GY-	Gaylord	GY-MN
GYA	Guiyang	
GYA0	ALIBECK ARRAY SITE A0	
GYA0B	ALIBECK ARRAY SITE A0B	
GYA1	ALIBECK ARRAY SITE A1	
GYA2	ALIBECK ARRAY SITE A2	
GYA3	ALIBECK ARRAY SITE A3	
GYB1	ALIBECK ARRAY SITE B1	
GYB2	ALIBECK ARRAY SITE B2	
GYB3	ALIBECK ARRAY SITE B3	
GYB4	ALIBECK ARRAY SITE B4	
GYB5	ALIBECK ARRAY SITE B5	
GYEB	Cerro Blanco	
GYL	Gyula	
GYM	Guaymas	
GY-MN	Gaylord	
GYMZ	Gyumri	
GYN	Goynuk	
GYO	Guyot Hills	
GZH	Guangzhou	
GZI	Ganzirri	
GZKV	Gazikoy-Tekirdag	
GZL	Zheleznogorsk city	
GZLA	Gyzyletrek	
GZLN	Zheleznogorsk	
GZN	Ground Zero	
GZ-OH	Galion	
GZR	Gura Zlata	
GZS	Gozaisho	GOZ
GZT	Gaziantep	
GZTT	Gaziantep	
GZU	Grizzly Peak	
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
H02A	Toledo	
H02N1	VAN INLET T-PHASE SITE N1	
H02S1	DAWSON INLET T-PHASE SITE S1	
H03A	Soap Creek Ranch, Albany	
H03N1	Juan Fernandez Island Hydroacoustic Site N1	
H03N2	Juan Fernandez Island Hydroacoustic Site N2	
H03N3	Juan Fernandez Island Hydroacoustic Site N3	
H03S1	Juan Fernandez Island Hydroacoustic Site S1	
H03S2	Juan Fernandez Island Hydroacoustic Site S2	
H03S3	Juan Fernandez Island Hydroacoustic Site S3	
H04A	Detroit Lake	
H04D	Lebanon	
H04N1	CROZET ISLANDS HYDROACOUSTIC SITE N1	
H04N2	CROZET ISLANDS HYDROACOUSTIC SITE N2	
H04N3	CROZET ISLANDS HYDROACOUSTIC SITE N3	
H04S1	CROZET ISLANDS HYDROACOUSTIC SITE S1	
H04S2	CROZET ISLANDS HYDROACOUSTIC SITE S2	
H04S3	CROZET ISLANDS HYDROACOUSTIC SITE S3	
H05A	Madras	
H05N1	Guadeloupe/Martinique T-Phase Site N1	
H05S1	Guadeloupe/Martinique T-Phase Site S1	
H06A	Lindquist Farm, Mitchell	
H06E		
H06E1	SOCORRO T-PHASE SITE E1	
H06N	Isla Socorro	
H06N1	SOCORRO T-PHASE SITE N1	
H06S		
H06S1	SOCORRO T	
H07A	Lands Inn, Kimberly	
H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
H08A	Prairie City	
H08N1	Diego Carcia HYDROACOUSTIC SITE N1	
H08N2	Diego Garcia HYDROACOUSTIC SITE N2	
H08N3	Diego Garcia HYDROACOUSTIC SITE N3	
H08S1	Diego Carcia HYDROACOUSTIC SITE S1	
H08S2	Diego Garcia HYDROACOUSTIC SITE S2	
H08S3	Diego Garcia HYDROACOUSTIC SITE S3	
H09A	Durkee	
H09N1	TRISTAN DA CUNHA T-PHASE SITE N1	
H09W1	TRISTAN DA CUNHA T-PHASE SITE W1	
H10A	Noah's Angus Ranch, Cambridge	
H10N1	ASCENSION HYDROACOUSTIC SITE N1	
H10N2	ASCENSION HYDROACOUSTIC SITE N2	
H10N3	ASCENSION HYDROACOUSTIC SITE N3	
H10S1	ASCENSION HYDROACOUSTIC SITE S1	
H10S2	ASCENSION HYDROACOUSTIC SITE S2	
H10S3	ASCENSION HYDROACOUSTIC SITE S3	
H11A	Donnelly	
H11N1	WAKE ISLAND Hydroacoustic Site N1	
H11N2	WAKE ISLAND Hydroacoustic Site N2	
H11N3	WAKE ISLAND Hydroacoustic Site N3	
H11S1	WAKE ISLAND Hydroacoustic Site S1	
H11S2	WAKE ISLAND Hydroacoustic Site S2	
H11S3	WAKE ISLAND Hydroacoustic Site S3	
H12A	Diamond D Ranch, Stanley	
H13A	Challis	
H14A	Leadore	
H15A	Lima	
H16A	Russell Place, West Yellowstone	
H17A	Grant Village	
H18A	Shoshone NF, Cody	
H19A	Powell	
H20A	Greybull	
H21A	Big Horn, Sheridan	
H22A	Clearmont	
H23A	Clabaugh Cattle Company, Gillette	
H24A	Dirks Ranch, Alva	
H25A	Fruitdale	
H26A	Fairpoint	
H27A	Howes	
H28A	Mission Ridge	
H29A	Onida	
H2O	Hawaii-2 Observatory	
H2OWA	Water	

Code	Station Name	Other
H31A	Wolsey	
H32A	Carlson Farm, Erwin	
H33A	Prehn Over North, Clear Lake	
H34A	Spellman Lake, Hanley Falls	
H35A	Sunnyside Ranch, Fairfax	
H36A	Jessenland, Henderson	
H37A	Dierke Farm, Cannon Falls	
H38A	Maiden Rock	
H39A	Augusta	
H40A	Chili	
H41A	Junction City	
H42A	Shiocton	
H43A	Windswept, Luxemburg	
H45A	Beulah	
H46A	Fife Lake	
H47A	Mio	
H48A	Harrisville	
H52A	Wyevale	
H53A	Bobcaygeon	
H55A	Tweed	
H56A	Elgin	
H57A	Richville	
H58A	Gabriels	
H59A	Cadyville	
H60A	Morristown	
H61A	Lyndonville	
H62A	Milan	
H63A	New Sharon	
H64A	Troy	
H65A	Eastbrook	
H66A	Whiting	
HAB	Haboro	
HABR	Khabarovsk	
HAC	Hachinohe	
HACH	Hacho	
HACI	Hacifakili, Akdagmaden, YOZGAT	
HACJ	Hachinohe 2	
HAD	Hassan Addkhil	
HADB		
HADR		
HAE	Alders End	
HAF	Haifa	
HAFB	Hill Air Force Base, Hill AFB, UT, USA	
HAG	Hague Volcano	
HAGA	Augusta	
HAGD	Aghdareh	
HAGI	HAGI	
HAGN	Mount Hagen	
HAGS	Hagol	
HAH	Hahryggur	
HAI	Haiwee	
HAIL	Harrisburg (Southeastern Illinois College)	
HAIS	HAIS	
HAJJ	Hajjah	
HAJR	Hajar	
HAK	Hakodate	
HAKJ	Hakodate 2	
HAKT	HAKKARI	
HAKY	Hadley Quad	
HAL	Halifax	
HALB	Hallimjungang-ro	
HALK	Hakmana	
HALM	Halim	
HALT	Halls	
HALTI	Haltingen (BS)	
HAM	Hamburg	
HAMA	Kahama	
HAMB	Hamyang	
HAMF	Hammerfest	
HAMIK	H˝mikon, D˝likerfeld, LU	
HAMM	Hamman Mousa	
HAMO	Hamaker Mountain	
HAN	Hanford	
HANI	Diyarbakir_Hani	
HANN	Hanwell	
HANO	Al Hamad	
HANT	Hania	
HAO	Harrison Substation	
HAPS	Han Pijesak,BIH	
HAQS	Haql	
HAR	Hartford	
HAR1	Harban	
HARA	HARA	
HARE	Harare	
HARI	Harich	
HARN	Harre	
HARP	HAARP	
HARR	Harsova	
HART	Harbor Island ANSS-SMO	
HARU	Harads	
HARZ	Haroharo	
HAS	Hastings	
HASLI	Hasliberg/Brienz	
HASS	Wahat al Ahsa'	
HAST	Hastings Reserve	
HASU	Hassela	
HAT	Hattorf	
HATC	Hat Creek Radio Observatory, Hat Creek	
HATD	Hatta, Dubai	
HATH	Hata	
HATHI	Halema'uma'u Trail	
HATI	Hayti	
HATJ	Hateruma jima	
HATO	Hato, Curacao	
HATZ	Hinemaiaia	
HAU	Haudompre	
HAV	Havilah	
HAVC	Havirov	
HAVE	Haverstraw	
HAVL	Avola	
HAVZ	Havza	
HAWA	Hanford	
HAWB	Hwaseong-si	
HAWK	Haweek	
HAWT	Hathaway	
HAY	Hayfield	
HAYA	HAYA	
HAYW	Haystack Fork	
HAZ	Te Kaha	
HAZM	Anzar Road	ANZ
HB-	Hobart (Okla)	HB-OK
HBA	Halley Bay	
HBAR	Harrisburg	
HBAZ	Herne Bay Borehole	
HBC	Horseshoe Bay	
HBD	Hovd	
HBDB	Hayseed and Buckwheat Dairy Farm	
HBF	Harts Bluff	
HBH	HawaiianBeaches	
HBL2	Bonnylands	
HBM	Hobart Mills	
HBMT	Mount Humbug	
HBNS	Bani Suef	
HBO	Huckleberry Mountain	
HB-OK	Hobart	
HBR	Haibara	
HBRG	Burj al 'Arab	
HBSP	Bosco Santo Pietro	
HBST	Basata	
HBT	Hobart Mills	
HBTM	San Juan Bautista	
HBTS	Hafar Al Batin	
HBV	Harrisonburg	
HBV2	Hoa Binh	
HBVN	Hoa-Binh	
HBVT	Hinesburg	
HBW	Humming Bird West	
HBZ	Hicks Bay	
HC1P	summerside station 1	
HC2P	summerside station 2	
HC3P	summerside station 3	
HC4P	summerside station 4	
HCA		
HCAM	Canada Road	CDC
HCAT		
HCB	Kahramanmara¯	
HCBM	Chamberlain	CBC
HCC	Holy Cross	
HCG	Craig Goch	
HCI	Hatchie Coon Island	
HCK	Huntoon Valley	
HCNY	Howe Caverns	
HCO	Huanuco	
HCOM	Corn Cob Canyon	
HCPM	Crevison Peak	
HCR	Hot Creek Range	
HCRL	Carlentini	
HCRM	Chase Ranch	CSR
HCU	Horse Canyon	
HCY	Herceg Novi	
HCZM	Cordoza Dairy	
HD-	Howard	HD-PA
HDA	Harding Lake	
HDAN	Heda	
HDAR	W Memph W Sta	
HDB	Hidalgo Marine Base	
HDBT	Hernando Brdge	
HDC	Heredia	
HDC2	Heredia 2	
HDC3	Heredia 3	
HDC4	Heredia 4	
HDG	Hidalgo Mountain	
HDG10	Mitchell Dam	
HDH	Heidenheim-Charlottenhoehle	
HDHB	Dhahab	
HDIL	Hopedale	
HDK	Hidaka	
HDK1	Dakhla	
HDK2	Wahat Dakhilah	
HDLM	Dillon Ranch	DIL
HDM	Haddam	
HDMB	Hadim	
HD-PA	Howard	
HDQ	Headquarters	
HDR	Hadrut	
HDU	Hyde Park	
HDW	Hoodsport	
HE-	Hempstead	HE-TX
HEA	Headley	
HEB	Heber	
HEBO	Mount Hebo	
HEC	Hector,Ludlow	
HED	Hedekas	
HEDF	Idfu	
HEDN	Heda	
HEE	Heerlen	
HEF	Hetta	
HEI	Heidelberg (Koenigstuhl)	
HEKM	Malatya_Hekimhani	
HEL	Helsinki	
HELC	Santa Helena	
HELF	Helfaut	
HELL	Mitchell Peak, Miramonte	
HEMU	Hemsoen	
HEN	Hengchun	
HENM	Henderson Mound	
HENT	Hendek	
HER	Hermanus	
HER1	Herakleio	
HER2	Herakleio	
HER3	Herakleio	
HERB	Hercules	
HERM	Elkhorn Road	
HERO	Ethiopian Broadband Seismic Experiment	
HERR	Herculane	
HES	Velbert-Hespertal	
HET	Houston--Electro-Tech	
HE-TX	Hempstead	
HEX	Exmoor	
HEXM	Hexham	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HFEM	San Felipe	SFL
HFHM	Flint Hills	
HFPM	Fremont Peak	FRP
HFRF	Wahat Farafirah	
HFRN	Hoarfrost River	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFSU	Holladay Fire Station, Holladay, Utah	
HG1B	Mitchell Dam	
HG3B	Hotspring	
HG4B	Hotspring	
HGA	Collinsville	
HGB	Hanford Gable Butte	
HGH	Gray Hill	
HGJ	Hongo	
HGN	Heimansgroeve	
HGP	Huxley Gorge	
HGPB	Parks Canada Compound	
HGSB	Sid's House	
HGSD	Ruisui	
HGSM	Gilroy Springs	GHS
HGTCO	Madrid Canyon Road, Trinidad	
HGVB	Ha Giang	
HGVO	Hagersville	
HGWM	Gilroy West	
HGY1	Higuey	
HH-	Hannah	HH-ND
HH2	Hannah	HH2ND
HH2ND	Hannah	
HHAG	Hagoal	
HHAI	Hells Half Acre	
HHAR	Hobbs	
HHC	Hu-ho-hao-te	
HHH	Horse Heaven Hills	
HHI	Harmony Heights	
HHM	Hungry Horse	
HH-ND	Hannah	
HHP	Hogget Hill	
HHR	Hinohara	
HHRG	Al Ghardaqah	
HHS	Hurricane	
HHSZ	Highcliff Hill	
HHT	Hurricane Hollow	
HHWY	High Hoyland	
HIA	Hailar	
HIC	Hidaka-Cho	
HICC	Highline Community College ANSS-SMO	
HICK	Hickman	
HID	Hamer Butte	
HIER	Hierbabuena	
HIG	Hawaii Institute of Geophysics	
HII	Heard Island	
HIK	Hikone	
HIKD	Hikinohira	
HIL	Hilo	
HIL01	Al Amaaer	
HIL02	Al Hulayfah	
HIL03	Ash Shuqayq	
HILA	High Level	
HILE	Hile	
HILG	Hillesheim	
HILS	Ha'il	
HIM	Himeji	
HIMA	Himara	
HIN	Hinchinbrook Island	
HINF	Hinteralfeld	
HINZ	Hinze Dam	
HIR	Hiroshima	
HIR1	Hiroshima	
HIRJ	Hiroshima 2	
HIRN	Ethiopian Broadband Seismic Experiment	
HIS	Hisarcik	
HITJ	Hittiya	
HITZ	Hingarae	
HIZ	Hauiti	
HIZO	HIZO	
HJA	Humahuaca	
HJGM	San Juan Grade	
HJH	Honjo	
HJJ	Hachijo jima	
HJO	Hjoernedal	
HJSM	John Smith Road	
HJY	Honjo	HJH
HK-	Hawk Springs	HK-WY
HKAT	Jabal Katrina	
HKB	Herkenbosch	
HKC	Hong Kong Observatory	
HKCD	Cape D'Aguilar	
HKER	Hawker	
HKFR	Khafra	
HKI	Fushiki	
HKJ	Hokoriku	
HKL	Haleakala	
HKLI	Keung Shan	
HKLK	Luk Keng	
HKLM	Lead Mine Pass	
HKM	Hinckley	
HKN	Hawks Nest	
HKNB	Havelock Quarry	
HKNS	Hadbat Hakran	
HKOY	Hamitkoy-Ladik(Samsun)	
HKP	Hidden Lake	
HKPS	Hong Kong Po Shan	
HKR	Hakkari	
HKRM	Kincaid Ranch	
HKSL	Siu Lam	
HKT	Hockley	
HKWD	Heukewalde	
HK-WY	Hawk Springs	
HKZM	Kohzaman	
HL-	Hailey	HL-ID
HL2	Hailey	HL2ID
HL2ID	Hailey	
HLA	Hall's Lagoon	
HLBJ	Hallabat	
HLD	Halaksitan	
HLE	Halle	
HLG	Helgoland	
HLGA	Haflong	
HLGC	Holguin	
HLH	Cerro de Hule	
HLID	Hailey	
HL-ID	Hailey	
HLJ	Hailstone	
HLK	Haleakala	
HLL	Cape Hallett	
HLLC	North Hollywood	
HLM	Helmville	
HLM1	Long Mynd	
HLN	Hualilan	
HLNC	Highland	
HLNI	Lentini	
HLP	Hilina Pali	
HLPM	Lions Peak	
HLR	Highland Ranch	
HLRZ	Highlands Station	
HLS		
HLSB	Harrison Lake South	
HLT	Holt	
HLTM	Lone Tree Road	LTR
HLW	Helwan	
HLX	Hole	
HLZ	Helez	
HM-	Hundred Mile H.	HM-BC
HMA	Khanty-Mansiysk	
HMAT	Matruh	
HMB	Hamburg	
HMBC	Humberstone	
HM-BC	100 Mile House	
HMC	Holland Mills	
HMCY	Holy Mount Cemetery	
HMD	Hamada	
HMDC	Modica	
HMDM	Hanimaadhoo	
HMDT	Nahal Hemdat	
HMES	Hamm, Michael-Ende-School	
HMG	Houelmont	
HMH	Humu'ula Sheep Station	
HMK	Himekami	
HML	Hamilton	
HML1	Hamley Bridge	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HMN	Homestead National Monument	
HMNA	Hamren	
HMNO	Mineo	
HMNT	Holman	
HMNX	Herstmonceux	
HMO	H. Mason	
HMOM	Monterey	MTR
HMR	Hamilton Ranch	
HMRJ	Hamra	
HMSA	Hans M'sky res	
HMSM	Jabal Masmas	
HMT	Hamilton	
HMTC	Hemet	
HMTD	Hikami	
HMTJ	Hamta	
HMTT	Tlapaneco	
HMU	Henry Mountain	
HMV1	Hindmarsh Valley	
HMYD	Mayadein	
HN-	Houlton	HN-ME
HNAT	Natroun	
HNAZ	Hnaberd	
HNB	Haney	
HNBB	Haney	
HNG	Hongo	
HNH	Hanover	
HNHZ	Havelock North	
HNKL	Nakhl	
HNL	Honolulu	
HNL1	Hanuchal	
HNM	Heniu Mare	
HNME	Houlton	
HN-ME	Houlton	
HNMJ	Hino-misaki	
HNR	Honiara	
HNSH	Hunish Island	
HNTI	Hanita	
HNV	Hanoi	
HNY	Hamilton	
HNZ	Havelock North	
HOBC	El Hobo	
HOBG	Hohbusch	
HOCH	Hornopire@15n	
HOD	Hodge	
HODGE	Hodges	
HOF	Hof	
HOFF	Hoffen	
HOG	Hogback Mountain	
HOGG	Hoggard's Bluff	
HOGH	Ho	
HOH	Hohenheim	
HOI	Hoima	
HOJ	Hope	
HOJA	Cerro de Hojas	
HOK	Hohkeppel	
HOKE	Hokigiyama	
HOL	Holguin	
HOLB	Holberg	
HOLC	Holcomb Ridge	
HOLU	Holmets	
HOLY	Holy Rosary School	
HOM	Homer	
HOMB	Homborsund	
HOME	McLaughlin Mine	
HOMI	Horasan	
HON	Honolulu	
HONK	Hondo	
HONU	Honeyville	
HOO	Hiroo	
HOOD	Mount Hood Meadows	
HOOJ	Hiroo 2	
HOP	Hope Bay	
HOPB	Hope	
HOPE	Hope Point	
HOPEN	Hopen	
HOPM	Mount Hope	
HOPOS	Hopovo Monastery	
HOPS	Hopland Field Station, Hopland	
HOPT	Hopper	
HOQ	Hoqain	
HOQC	Horqueta	
HOR	Horta	
HORH	Horominai	
HORM	O'Connell Ranch	OCR

Code	*Station Name*	*Other*
HORN	Hornachuelos	
HORNC	Hornillas	
HORQ	Saladito	
HORT	Hortiatis	
HORU	Horodok	
HOSA	Ethiopian Broadband Seismic Experiment	
HOT	Hot Springs Mountain	
HOU	Houston	
HOW	Howrah	
HOWZ	Holdsworth Station	
HPAC	Pachino	
HPAH	Hawaii Preparatory Academy	
HPAR	Pala Acreide	
HPCM	Pacheco Lake	
HPE	Pembroke	
HPHM	Park Hill	PKH
HPI	Howe Peak	
HPIG		
HPK	Haverah Park	
HPKT	Knoxville	
HPLM	Pacheco Lake	PCL
HPLN	Hepburn Lake, NWT	
HPO	Honuapo	
HPP	Hepp	
HPRM	Peckham Road	PKC
HPU	Hale Pohaku	
HQL	Haql	
HQLS		
HQN	Harlequin Lake	
HQRH	Quien Sabe	QSR
HQRM		QSR
HQSR		
HR-	Heber	HR-AZ
HRA	Herat	
HRAD	Harad	
HRAO	HartRAO	
HR-AZ	Heber	
HRB	Hurbanovo	
HRC	Harris Ranch	
HRD	Hirodai	
HRDDS		
HRDS	Abu Rudays	
HRF	Holter Research Foundation--Helena	
HRFI	Mount Harif	
HRG	Hirogawara	
HRH	Heinrich-Robert Mine	
HRI	Mount Hermon	
HRJ	Horyu	
HRK	Horoka	
HRKL	Herakleio	
HRM	Kawasaki	
HRMB	Harrison Mills	
HRMC	Merrill Creek	
HRMR	Khuramsha	
HRN	Horndal	
HRO	Hermiston	
HROE	Hohe Rhon--Flad	
HRRZ	Handcock Road	
HRSH	Kfar Ka'horesh	
HRT	Hereke	
HRTT	Hiratsu	
HRTX	Hereke-Izmit	
HRU	Hogsback Ridge	
HRUT	Hardware Ranch	HWUT
HRV	Adam Dziewonski Observatory (Oak Ridge)	
HRY	Holter Research Foundation--York Bridge	
HS-	Hay Springs	HS-NB
HSA	Swansea	
HSAF	As Saff	
HSAM	Samen	
HSB	Akutan Spr's Bay	
HSFA	Helvecia	
HSFG		
HSFM	Saint Francis Retreat	
HSH	Hashikami	
HSHJ	Hashim	
HSHL	Bi'r Shalatayn	
HSI	Hsinkong	
HSIG		
HSJ	Hoshina	
HSK	Changchun	
HSLM	San Luis Dam	
HSMO	Haileybury School of Mines	
HSN	Hsinchu	
HSN1	Hsinchu	
HS-NB	Hay Springs	
HSND	Hausen	
HSNJ	Maan	
HSO	Harness Mountain	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
HSPGA	Hill Springs, Alberta	
HSPM	Sheep	
HSPR	La Hesperia	
HSR	South Ridge	
HSRG	Sareghieh	
HSRS	Siracusa	
HSRZ	Hossack Road	
HSS	Hokkaido University	
HSUJ	Al Zarqa	
HSW	Hot Spot	
HSY	Hisarkoy	
HT-	Hastings	HT-MN
HTC	Hot Caves	
HTCH	Hutch Mountain	
HTCR	Hilton Creek	
HTG	Hatgal	
HTK	Hotokeiwa	
HTL	Hartland	
HTM1	Hato Mayor	
HT-MN	Hastings	
HTMS	Hat Mesa	
HTN	Hohentengen	
HTQ	Hauterive	
HTR	Trewern Hill	
HTT	Hallett	
HTU	Hoyt Peak	
HTUJ	Hattaushi	
HTUM	Tustin Road	
HTW	Haystack Lookout	
HTY	Hatay	
HUA	Huancayo	
HUAR	Huara	
HUBA	Hudson Bay High School ANSS-SMO	
HUCH	Huasco	
HUDU	Hudiksvall	
HUEN		
HUES	Huehuecho	
HUG	Huitzitzil	
HUG01	Santa Cruz, CA USA	
HUH	Hualalai	
HUIG	Huatulco	
HUK2	Heuksan-myeon	
HUL	Heiheiahulu	
HULD	Heiheiahulu Digital	
HUMM	Hume Dam	
HUMO	Hull Mountain	
HUMP	Col San Antonio	
HUMR	Humele	
HUN	Hundersingen	
HUNY	Huinay	
HUO	Hudson	
HUOR	Husband	
HUR	Hurricane	
HURP	Huarmaca	
HUSU	Husum	
HUTB	Hutbay	
HUTI	Huta Ginjang	
HUTZ	Huka	
HUV	Hue	
HUZ	Huaraz	
HV-	Havre	HV-MA
HVA	Hanceville	
HVAR	Hvar	
HVC	Hernandez Valley	
HVD	Gariep Dam	
HVHR	Bakirkoy-Istanbul	
HVIT	Vittoria	
HVK	Hallstavik	
HVL	Huntoon Valley	
HVLK	Havelock	
HV-MA	Havre	
HVO	Hawaiian Volcano	UWE
HVS	Khovu-Aksy	
HVU	Hansel Valley	
HVZN	Vizzini	
HW-	Hawaii Isl. Ar.	HW-IS
HWA	Hwalien	
HWAP	Hualien Port	
HWB	Hans Werner Braun Residence, San Diego	
HWCB	Hwacheon	
HWD	Hollywood	
HWF	Haulerwijk	
HWF1	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	
HW-IS	Hawaii Isl. Ar.	
HWK	Hiawatha	
HWKB	Hawksbury Island	
HWKN	Hawk's Nest	
HWQ	Hawqa	
HWSI	Howe Scarp	
HWSM	Haiwee Spring South	
HWTS	Hohenwarte Talsperre	
HWUT	Hardware Ranch	
HWV	Hinton	
HWYS	Al Hawiyah	
HWZ	Hwange	
HXI	Guiyang	GYA
HY-	Hysham	HY-MA
HYA	Hoyanger	
HYB	Hyderabad	
HYBA	Heybeliada-Istanbul	
HYBB	Hyderabad (broadband)	
HYBL	Heybeliada	
HYC	Haney	
HYD	Hyderabad	
HYF	Humbligny	
HY-MA	Hysham	
HYR	Heyderabad	
HYRS	Hayirsizada Cinnet	
HYS	Haystack Butte	
HYT	Haines Junction	
HYX	Hoyt Mine	
HZA	Huzimizaka	
HZTE	HZTE	
I02A	Mapleton	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
I02D	Swisshome	
I03A	Eugene	
I03D	Drain, OR	
I04A	Tendick Farm, Oakridge	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
I05A	Bend	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
I05D	Terrebonne, OR	
I06A	Prineville	
I07A	Izee	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
I08A	Drewsey	
I08BO	LAS PEÑAS INFRASONIC ARRAY REFERENCE POINT	
I09A	Lost Marbles Ranch, Westfall	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
I10A	Payette	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
I11A	Placerville	
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	
I12A	Atlanta	
I13A	Wildhorse Creek, Mackay	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
I14A	Mackay	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
I15A	Monteview	
I16A	Newdale	
I17A	Pilgrim Ck.	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
I18A	Diamond G Ranch, Dubois	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
I19A	Meeteetse	
I19DJ	I19DJ	
I20A	Worland	
I21A	Big Trails, Ten Sleep	
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
I22A	9 Mile Ranch, Kaycee	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
I23A	Meade Ranch, Gillette	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
I23K	Minto, Yukon-Koyukuk	
I24A	Kuemmerle Ranch, Upton	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
I25A	Rochford	
I26A	New Underwood	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
I27A	Quinn	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
I28A	Midland	
I29A	Vivian Onida	
I30A	Oacoma	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
I31A	Royce, Wessington Springs	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
I32A	Karley and Nick, Howard	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
I33A	Coleman	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
I34A	Hadley	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
I35A	Creekview Farms, Bingham Lake	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
I36A	Fitzsimmons Farm, Good Thunder	
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
I37A	Lemond, Waseca	
I37H0	Bardufoss	
I37NO	I37NO	
I38A	Scanlan Farm, Eyota	
I39A	Houston	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
I40A	Norwalk	
I41A	Arkdale	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
I42A	Draeger Farm, Ripon	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
I43A	Langenfeld Brothers Farm, Elkhart Lake	
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
I45A	Fountain	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
I46A	Reed City	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
I47A	Gladwin	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
I48A	Sherman Twp	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
I49A	Point Hope	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
I51A	Listowel	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
I52A	Shelburne	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
I53A	Kortright Cn Earth Rangers Ctr, Woodbridge	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
I55A	Frankford	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
I57A	Carthage	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
I58A	Old Forge	
I59A	Olmsteadville	
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
I60A	Shoreham	
I61A	Oroboro, Fairlee	
I62A	Tamworth	
I63A	Otisfield	
I64A	Boothbay	
IAA	In Amguel	
IACL	Alicudi	
IACM	Heraklion	
IADA	Aoalbol	
IAE	Cedar City, Iron County	
IAFJ	Afjeh	
IAG	Institut Agronomique	
IAKL	Akhelmad	
IALA	Alasht	
IALF	Alftagrof	
IAND	Andimeshk	
IANJ	Anjilo	
IAS	Iasi	
IASB	A@15sbjarnarstat ir	
IASBS	W01	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IAUS	Austmannsbunga	
IAV	Isla Aves	
IAZR	Azarshahr	
IBAF	Bafgh	
IBAR	Ibarra	
IBAV	Isla La Blanquilla	
IBBE	Ibbenbueren East	
IBBN	Ibbenburen	
IBBS	Ibbenbueren South	
IBDR	Badra	
IBJA	Bjarnastaoir	
IBK	Innsbruck	
IBND	Bandar-abas	
IBP	Imperial Boulder Park, Ocotillo	
IBRE	Brettingsstaoir	
IBRJ	Brojen	
IBRU	Bruarjokull	
IBST	Bostanabad	
IBU	Ibuki Yama	
IBZA	Bozab	
IC-	Ice Cap	IC-GL
ICA	Ica	
ICC	Iquique	
ICCO	Coco Island	
IC-GL	Ice Cap	
ICH	Ichihara	
ICHK	Chekchek	
ICHU	Yijhu	
ICI	Italian Canyon	
ICM	Isla Caja Muertos	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICO	Isla del Coco	
ICOR	Ion Corvin	
ICQ	Pointe Anglais	
ICR	Volcan Irazu	
ICU	Indian Springs Canyon	
ICY	Ichiyama	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IDA	Idaho Array	
IDAH	Dahanechah	
IDC	Isla del Cano	
IDE	Isla Desecheo	
IDGL	Inch Island, Co Donegal	
IDHR	Dehrash	
IDI	Anoyia	
IDID	Didziasalis	
IDIM	Dimmadalsˆ¡s	
IDJZ	Idjevan	
IDMV	Damavand	
IDOB	Doab	
IDR	Idriss Premier	
IDSA	Dashabbas	
IDYN	Dyngjuhals	
IECU	Ecuador Network	
IELO	Elcoad	
IEMG	Emamgholi	
IENR	Iengra	
IENT	Enta	
IEPA	Eparoz	
IER1	Ierissos	
IESK	Eystri-Skogar	
IESO	Jésolo	
IESS	Sede Social del IESS - Quito	
IFAG	Fagurholsmyri	
IFED	Fedgar	
IFIL	Filicudi I Eolie	
IFIR	Firoozkooh	
IFLA	Flatey	
IFR	Ifrane	
IFTB	Fath-abad	
IGAB	Igarata	
IGAR	Gharneh	
IGBI	Denpasar	
IGD	Bursa	
IGDI	IGDIR	
IGGU	Iggoen	
IGHA	Grjothals	
IGHG	Ghaleghazi	

Code	Station Name	Other
IGHS	Grjothals	
IGIG	Irapuato, Guanajuato	
IGIL	Gilhagi	
IGL	Igloolik	
IGLA	Glengowla, Co Galway	
IGLN	Igloolik	
IGLO	Ghaloghah	
IGLU	Glumsstadir	
IGM	Isla Guadalupe	
IGM2	Igoumenitsa	
IGOD	Go??abunga	
IGPR	InterUniversity Guayama PR	
IGR	Igron	
IGRA	Granastaoir	
IGRF	Grimsfjall	
IGRI	Grimsey	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGT	Igoumenitsa	
IGUA	Igualata	
IGYG	Gygjarholskot	
IGZV	Ghazvin	
IHA	Instituto Hidrografico de la Armada	
IHAE	Haedir	
IHAU	Haukadalur	
IHC	Ixhuatan	
IHED	Heoinshofoi	
IHEI	Heioarbar	
IHLA	Hella	
IHLN	Indian Hill Lake	
IHOS	Hoseineyeh	
IHR	Ishihara	
IHRN	Hraun	
IHRS	Heris	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHUS	Husbondi	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IHVO	Lagu-Hvolar	
IIA	Altzomoni	
IIB	San Bernardino	
IIC	Rita Coyotepec	
IID	Iida	
IIDJ	Iida	
IIGN	Ignalina	
III	Iguala	
IIJ	Jocotitlan	
IIM	Instituto de Ingenieria, UNAM	
IIO	Organos	
IIP	El Pino	
IIS	IISEE	
IISM	Ciudad Serdan	
IIT	Tonantzintla	
IIZ	Mezontepec	
IJDJ	Iida	IIDJ
IJF	Islas Juan Fernandez	
IJOK	Jokulheimar	
IK-	Ink	IK-AR
IKAL	Kalfafell	
IKAR	Kharkheh	
IK-AR	Ink	
IKAS	Kald??rsel	
IKAZ	Kazeroun	
IKFM	Kafar-mosalman	
IKIA	Kiasar	
IKJ	Ikusaka	
IKL	Isikli	
IKLH	Kolahrood	
IKMR	Kamar-syah	
IKOM	Komasi	
IKOO	Kooshah	
IKP	In-Ko-Pah, Jacumba	
IKRD	Kardeh	
IKRE	Kreppuhraun	
IKRI	Krysuvik	
IKRK	Kirkuk	
IKRO	Krokur	
IKSK	Karasker	
IKUD	Kuludalsa	
IKVO	Krokottuvotn	
IKZ	Isoka	
IL01		IL1
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL31		ILB
ILA	Ilan	
ILAM	Ilet Lapin Martinique	
ILAN	Ilam	
ILAR	Eielson Array Beam Reference Point	
ILAS	Lasjerd	
ILB	Eielson Array Broadband	ILAR
ILCA	Isla Las Cabras	
ILCH	Illapel	
ILEI	Leirhofn	
ILG	Inge Lehmann	IC-GL
ILGA	Ilgaz	
ILI	Ili	
ILIC	ilic-Erzincan	
ILIM	Iliamna	
ILIN	Lien	
ILIQ	Lip Q Pani IE	
ILKN	Indian Lake	
ILLI	Illinizas Sur - Rasayacu	
ILM	Iliamna	
ILMG	Lip M Gallina IE	
ILN	Island Lagoon	
ILO	Iloilo	
ILOC	Iloca	
ILON	Igloolik, Nunavut	
ILS	Iliamna Low South	
ILT	Iul'tin	
ILTH	Belurgan, Co Louth	
ILUG	Ilulissat, Greenland	
ILULI	Ilulissat	
ILW	Iliamna West	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM03		IM3
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
IM3	Indian Mountain Array Site 3	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAH	Mahabad	
IMAR	Indian Mountain Array Beam Reference Point	
IMAT	Imadeyama	
IMBA	Imbabura, San Roque	
IMEH	Mehriz	
IMEL	Melhnausar	
IMG	Imagane	
IMHD	Mahdasht	
IMI	Imperia	
IMID	Miomork	
IMIN	Minoodasht	
IMJ	Imajo	
IMJO	Mjoaskard	
IMK	Imi Mikki	
IMKO	Mokollar	
IML	Ismayilli	
IMM	Islas Marias	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
IMND	Minoodasht	
IMNS	Imangra	
IMO	Isla Mona	
IMOB	Isla Mona	
IMOG	Moghan	
IMOK	Mouk	
IMOL	Imola, Italy	
IMON	Monand	
IMOV	Isla Los Monjes	
IMP	Imphal	
IMPR	Mona Island, PR	
IMR	Isla Mona	
IMRD	Marand	
IMS	Imsbach	
IMT	Isola di Marettimo	
IMU	Iron Mountain	
IMW	Indian Meadow	
IMWB	Imwonan-gil	
IMYA	Miami	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
INA	Iinan	
INB	Inubo	
INC	Inchon	
INCN	Inchon	
INCR	INCERC-Sediu Central	
IND	Independence	
INDC	Indio Hills	
INDN	Indianola	
INE	Iliamna NE	
INEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
INF	Infanta	
ING	Ingram Ranch	
INGI	Ingas	
INH	Isangel	
INK	Inuvik	
INKA	Innaminka	
INMG	Instituto de Meteorologia, Lisbon	
INMK	Ichinomiya	
INN	Innsbruck	
INPP	Ignalina Nuclear	
INR	Itanagar	
INS	Inspiration	
INSR	Institute	
INTR	Introdacqua	
INTV	Intevep	
INU	Inuyama	
INUQ	Inukjuak	
INV	Inveralochy	
INVG	Invergeldie, Comrie	
INW	Iliamna NW	
INY	Ithaca	
INYL	Nylenda	
INZ	Inchbonnie	
IO-	Ione	IO-NV
IOCA	Ischia Osservatorio Casamicciola	
IOMK	Kirk Michael	
IO-NV	Ione	
IOSP	Ios island	
IP01	Cuckoo	
IP03	Louisa	
IP04	Greensprings	
IP05	Hopewell Church	
IP06	Yanceyville	
IP07	Quail	
IPA	Ipanguacu	
IPAN	Panarea IE	
IPAR	Pars	
IPAY	Payeh	
IPE	Ipeti	
IPES	Pescosannita	
IPIL	Ipil	
IPIR	Pirpir	
IPM	Ipoh	
IPMB	Ipameri, GO	
IPOZ	Pozzuoli	
IPRE	Itoiz	
IPRN	Peran	
IQHU	Qucahn	
IQOM	Qom	
IQQ	Iquique	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR2C	Iron Canyon	
IR3	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IRAM	Ramesheh	
IRAZ	Razeghan	
IRC	Iron Canyon	
IRCI	INEL Research	
IRDE	Institut de recherche pour le d˜veloppement - Quito	
IREN	Reynihlio	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
IRIN	Iringa	
IRJU	Rjupnafell	
IRK	Irkutsk	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
IRNE	Reykjanes	
IRO	Indian Ridge	
IRS	Iris	
IRSH	Iranshahr	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
IS2	Icelocation 2	
ISA	Isabella, Lake Isabella	
ISAD	Sadrabad	
ISAL	Salakas	
ISAN	Sandskeio	
ISAU	Saurbar	
ISAV	Santa Isabel	
ISBA	Islamabad	
ISCO	Idaho Springs	
ISE	Ise	
ISF	Isfjord	
ISFB	Sefidab	
ISFR	Sfrayin	
ISH	Ishtion	
ISHB	Shabestar	
ISHJ	Ishigaki Ryukyu Islands	
ISHM	Shahmirzad	
ISHO	Shoshtar	
ISHR	Shahran	
ISHV	Shirvan	
ISI	Ishigaki jima	
ISIG	Siglufjorour	
ISIK	Ishii	
ISK	Istanbul-Kandilli	
ISKI	Skildingah˜‡lshraun	
ISKR	Skrokkalda	
ISKY	Isaakyan	
ISL	Ismayilll	
ISLE	Juniper Island	
ISLN	Salina IE	
ISLY	Slysaalda	
ISLZ	Isanotski Lazaref River	
ISM	Ismayilli	
ISMJ	Smjorgil	
ISN	Ishinomaki	
ISNB	Snabyli	
ISNN	Isanotski North	
ISO	Isola	
ISOG	Isortoq, Greenland	
ISOL	Solvholt	
ISOR	Termini	
ISP	Isparta	
ISPL	Str Punta Lena IE	
ISPT	Isla de la Plata	
ISPU	Isla Pun˜¡	
ISQ	Mount Isa	
ISR	Istrita	
ISRB	Sarab	
ISRF	Istric ta	
ISRO	Mashad	
ISRV	Sarvestan	
ISSF	Issarbe	
IST	Istanbul	
IST1	Istanbul	
IST3	Stromboli F	
ISTK	Isanotski	
ISTP	Stromboli Pizzo	
ISTR	Stromboli Ginostra	
ISU	Indiana State University	
ISVA	Svartarkot	
ITA	Itatiaia	
ITAB	Concordia	
ITAN	ITANAGAR	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
ITBT	Itumba	
ITBZ	Tabriz	
ITC1	Ithaki	
ITD	Itadori	
ITE1	Itea	
ITEG	Tejag	
ITEV	Isla Los Testigos	
ITF10	CHI Itaipu Binacional	
ITF11	CHI Itaipu Binacional	
ITF4	CHI Itaipu Binacional	
ITF6	CHI Itaipu Binacional	
ITG	Itzapa	
ITGE	Itoigawa	
ITH	Ithaca	
ITHO	Ithomi	
ITIT	Ipitacuapi	
ITKG	Kharagpur	
ITKT	Itaka	
ITM	Ithomi	
ITO	Ito	
ITQB	Itaqui	
ITR	Itaparica	
ITR2	Itaparica 2	
ITR5	Itaparica 5	
ITRB	Iturama	
ITS1	Elaiones	
ITTB	Itaituba	
ITU	Istanbul	
ITZ	Itezhi-Tezhi	
IUG	Iuzhnay	
IUNC	Unciti	
IUSE	Utxeti	
IVA	Berane	
IVAG	Clark Hill Reservoir	
IVAS	Ivanjica	
IVAT	Vatnsfell	
IVCR	Vulcano Cr IE	
IVE	Iliamna Volcano East	
IVES	Vestmannaeyjar	
IVF	Ivanof Bay	
IVGM		
IVGP	Vulcano Grotta dei Palizzi	
IVI	Ivigtut	
IVIS	Veis	
IVIV	IVIC	
IVK	Ivanovka	
IVKQ	Ivujivik	
IVLT	Vulcano Lentia IE	
IVME	Vestmannaeyjar	
IVN	Inveralochy	
IVOG	Vogar	
IVON	Vonarskard	
IVOS	Vogsosar	
IVOT	Vottur	
IVRN	Varamin	
IVS	Iliamna South	
IVSH	V-Sauoahnukur	
IVSM	Inverness	
IVT	Ira	
IVUG	Vulcano Grillo IE	
IVY	Inveralochy	
IWEX	Carrickbyrne, Co Wexford	
IWJ	Iwai-Kita	
IWK	Iwaki	
IWN	Iwanai	
IWO	Iwaosan	
IWT	Iwatsuki	
IXC	Ixtacomitan	
IXG	Ixpaco	
IXT	Ixtapalapa	
IZAB	Izabela	
IZAR	Zarasai	
IZEF	Zefreh	
IZI	Iznik	
IZK	Iizuka	
IZM	Izmir	
IZMH	Iizume	
IZN	Iznik	
IZT	Izumi	
IZU	Izuhara	
IZU2	Izuhara 2	
IZUJ	Izuhara	
IZUN	Zunzarren	
IZV	Izvestkoviy	
IZVB	Izvoarele B	
IZVR	Izvoarele	
J01D	Myrtle Point	
J01E	Myrtle Point	
J02A	Umpqua	
J03A	Ideyld Park	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
J05A	Fort Rock	
J05D	Fort Rock, OR	
J061	Lakeshore Drive, S. Francisco	
J06A	Christmas Valley	
J07A	Hines	
J08A	Circle Bar Ranch, Crane	
J09A	Fry Pan Ranch, Harper	
J10A	Berg Farm, Melba	
J12A	Stokes Ranch, Hill City	
J13A	Cove Ranch, Picabo	
J14A	Carey	
J15A	Blackfoot	
J16A	Bone	
J17A	Brown Place, Jackson	
J18A	Kendall Valley, Cora	
J19A	Crowheart	
J20A	Shoshoni	
J21A	Lysite	
J22A	Midwest	
J23A	Dilts Ranch, Bill	
J24A	Dixon Ranch, Lance Creek	
J25A	Sunshine Ranch, Edgemont	
J26A	Sides Ranch, Smithwick	
J27A	Elkhorn Farm, Martin	
J28A	Allard Ranch, Norris	
J29A	Okreek	
J30A	Dallas	
J31A	Geddes	
J32A	Parkston	
J33A	Davis	
J34A	George	
J35A	Milford	
J36A	Seneca 1, Swea City	
J37A	Redenius Farm, Forest	
J38A	Wedel Dairy, Riceville	
J39A	Decorah	
J40A	Soldiers Grove	
J41A	Loganville	
J42A	Columbus	
J43A	Natural Harvest Farm, Hartford	
J45A	Montague	
J46A	Howard City	
J47A	Sunmer	
J48A	Bridge Port	
J49A	Marlette	
J52A	Paris	
J54A	Appleton	
J55A	Hilton	
J56A	Wolcott	
J57A	Williamstown	
J58A	Remsen	
J59A	Piesco	
J60A	Lant Hill Farm, Argyle	
J61A	Chester	
J62A	Henniker	
J63A	Strafford	
JA-	Jasper	JA-MN
JAA	Atsumi	
JAB	Ashibetsu	
JAC	Jacksonville	
JAC01	Canan˜ia-SP	
JACH	Jahuel	
JACV	Jacura	
JAD	Aida	
JAG	Ashikaga	
JAGI	Jajag, Banyuwangi	
JAGN	Aguni-jima	
JAH	Hinai	
JAHD	Aomorihigashidori	
JAI	Aioi	

Code	*Station Name*	*Other*
JAJ	Awaji shima	
JAJ2	Tsuna	
JAK	Akkeshi	
JAKH	Jacmel	
JALM	Almaden	AMC
JAM	Amami Oshima	
JAMA	Jama	
JAMN	Amaminishikomi	
JA-MN	Jasper	
JAN	Janina	
JAN03	Januaria	
JAN06	Januaria	
JAN07	Januaria	
JAN08	Januaria	
JAN09	Januaria	
JAN2	Jannena	
JAN3	Jannena	
JANA	Janakpur	
JANB	Januaria	
JAND	Jandula	
JANG	Nango	
JAO	Obara	
JAOM	Aogashimamukaizawa	
JAP	San Jose, Antique	
JAQ	La Grande 3	
JAR	Ashorobuto	
JARJ	Jarash	
JARK	Aomorirokkasho	
JAS	Jamestown	
JAS1	Jamestown	
JASL	Jaisalmer	
JAT	Jato	
JATB	Jatai	
JAU	Jaout	
JAUF	Jausiers	
JAVC	Velka Javorina	
JAVS	Javornik	
JAW	Awa shima	
JAWL	J.Aulia	
JAWN	Awajishima-nagasawa	
JAY	Jayapura	
JAZS	Jizan	
JAZS2	Jazan	
JBB	Jbel Babet	
JBBQ	Temiscaming	
JBCM	Bear Creek Road	LT15
JBEP	Beppuamama	
JBG	Jabagly	
JBGM	Bear Gulch	BGH
JBK	JBK	
JBLM	Camp Ben Lomond	
JBMM	Black Mountain	
JBNB	Ben Lomond Mountain, Santa Cruz County	
JBO	Jordan Butte	
JBP	Jabalpur	
JBQ	La Grande 3	
JBRM	Jenolan Black	
JBT	Biratori	
JBT2	Biratori 2	
JBZM	Buzzard Lagoon Road	
JC04	Joao Camara	
JC05	Joao Camara	
JC06	Joao Camara	
JC1B	Joao Camara	
JC20	Joao Camara	
JCBM	Chesbro Res.	CBO
JCC	Jacoby Creek, Bayside	
JCE1	John's Creek	
JCH	Churui	
JCHM	Cahill Ridge	
JCJ	Chichijima	
JCJI	Jatiwangi	
JCK	Jackerath	
JCM	Jocotitlan	
JCMO	Jefferson College	
JCN	Nagara	
JCNB	Joaquin Canyon North	
JCPM	Coyote Point	
JCQ	La Grande 3	
JCR	Jicaral	
JCSB	Joaquin Canyon South	
JCT	Junction City	
JCUZ	Jacuzzi	
JCW	Jim Creek	
JCZ	Jackson Bay	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JDN	Jardin	
JDRJ	Daraweish	JRDJ
JE-	Jena (USA)	JE-LA
JECB	Eureka Canyon	
JECI	Jenson Cabin	
JECM	Eureka Canyon	EUC
JEDS	Jeddah	
JEF	Cerro Jefe	
JEG	Eigenji	
JEGM	El Granada	
JEHI	Jehsanih	
JE-LA	Jena	
JELB	Ellicott, Santa Cruz County	
JELM	Ellicott	
JEM	Erimo	
JEN	Jena	
JENM	Jeeralang Junction	
JER	Jerusalem	
JERN	Jeri Cho Mine, NWT	
JET	Tanbara	
JETT	Jettan, Norway	
JEW	Eniwo	
JFA	Akaike	
JFFD	Fukushimafurudono	
JFI	Itaya	
JFK	Kawauchi	
JFM	Mihama	
JFNN	Fujinakano	
JFO	Juíz de Fora	
JFP	Foothills Park , Santa Clara County	
JFR	Furan	
JFS	Joseph F. Staten	
JFT	Otama	
JFU	Fukue jima 2	
JFWS	Jewell Farm	
JFY	Yanaizu	
JGF	Kuroka	
JGI	Juniper Gulch	
JGK	Kuni	
JGM	Miyama	
JGN	Niukaw	
JGT	Gotsu	
JGT2	ShimaneMisato	
JHA	Jbel Lahdid	
JHBN	Jahan bin	
JHC	Johnson Canyon	
JHCJ	Hachijojimakashitate	
JHD	Hondo	
JHE	Heguri	
JHG	Hegura jima	
JHGM	Hagimishima	
JHH2	Haha-jima-NKT2	
JHHC	Hyugahichiya	
JHHJ	Haha-jima-NKT	
JHHS	Hirosakihyakuzawa	
JHI	Jorhat	
JHIK	Hikimi	
JHJ	Hachijo jima 2	
JHJ2	Mitsune	
JHK	Hiroka	
JHLM	Holstrom Ranch	
JHLN	Al Jahlan	
JHM	Kurahashi	
JHMK	Hamakita	
JHN	Johnson	
JHNI	Jhansi	
JHO	Hitachi	
JHP	Judd Hill Plantation	
JHPM	Huddart Park	
JHR	Hokuryu	
JHRM	Jahrom	
JHS	Saijyo	
JHST	Hiyamasetana	
JHT	Toyohira	
JHTM	Izuhatsuma	
JHU	Hanno	
JHUM	Huhtala Lane, Santa Cruz County	
JHY	Hiyama	
JHYU	Hitachinakayamanoue	
JIAM	Iburiatsuma	
JICN	Ichinomiyachiaki	
JIDR	Jimani	
JIE	Ise	
JIG	Jinotega	
JIH	Iheya	
JIHU	Itakohorinouchi	
JII	Iki	
JIJ	Ishigaki jima 2	
JIKH	Ishinomakikobuchihama	
JIKM	Ikemajima	
JIL	Jilotepec	
JIM	O shima 2	
JIM2	Oshima 3	
JIMA	Ethiopian Broadband Seismic Experiment	
JIN	Jindabyne	
JIND	Jindrichovice	
JIO	Ouri	
JIR1	Jirandeh	
JIRB	Irabujima	
JIRI	Jiri	
JIRN	Jiri	
JIS	Juneau Island	
JISG	Ishigakijimahirakubo	
JISK	Izumosakaura	
JISS	Ishikarishitsubu	
JIU	Izumi	
JIU2	Izumi 2	
JIU3	Izumi3	
JIW	Iwasaki	
JIZ	Nakaizu	
JIZN	Jizan	
JIZS	Izushimoda	
JIZZ	Izumozaki	
JJG	Jouge	
JJH	Hakui	
JJK	Kushima	
JJN	Nakama	
JJO	Oda	
JJOM	Saint Joseph's Hill	
JJRM	Joaquin Road	
JJS	Sakaide	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JJT3	Tamagusuku3	
JKA	Kamikawa-asahi	
JKB	Kayabe	
JKC	Kuchinoerabu	
JKD	Kudamatsu	
JKDJ	Kitadaitoujima	
JKE	Kume jima 2	
JKEN	Kujiedanarisawa	
JKG	Kaga	
JKHN	Kushirohamanaka	
JKHR	Kochiharuno	
JKI	Kunimi	
JKIT	Kitakata	
JKJ	Kijyo	
JKK	Kamikawa	
JKK2	Kamakawa 2	
JKKG	Kakegawa	
JKKS	Kakegawashinomba	
JKM	Jackman	
JKMT	Kesennumamotoyoshi	
JKN	Kiinagashima	
JKN2	Miekihoku	
JKO	Kozu shima	
JKR	Kurayoshi	
JKRS	Kuro-shima	
JKS	Kasai	
JKSM	Kasumi	
JKT	Katashina	
JKU	Kubokawa	
JKUC	kamogawauchiura	
JKY	Yasaka	
JKZ	Kuzumaki	
JLAB	Laurel Hill	
JLAM	Laurel Hill	
JLDW	Jackson Lake Dam	
JLK	June Lake	
JLN	Jalan Bani Buhassan	
JLOS		
JLP	Les Platons	
JLPM	Loma Prieta	
JLTM	Los Trancos	LTW
JLU	Jordanelle	
JLXM	Lexington Res.	LXR
JMAF	Mimaanabuki	
JMAG	Jamag	
JMB	Yambol	
JMBI	JAMBI	
JMD	Masuda	
JMDO	Jabal Madar	
JMG	Jumaytepeque	
JMGM	Milagra Ridge	MGA
JMH	Hososhima	
JMI	Jan Mayen	
JMIC	Jan Mayen	
JMIK	Miki	
JMJ	Miyako jima 2	
JMJ2	Miyako jima3	
JMK	Ichinoseki	
JMKN	Mikurajimanishikawa	
JMM	Marumori	
JMMH	Miemihama	
JMN	Monobe	
JMOS	Jabal al Moallq	
JMP	Maruseppu	
JMPM	Menlo Park	
JMQS	Jabal Moqyreh	
JMS1	Jamestown	
JMST	Minamisoumatochikubo	
JMT	Mikata	
JMTN	Minamitane	
JMU	Jammu	
JMY	Miyakejima3	
JMZ	Minamidaito 2	
JN-	Johnston I.	JN-IS
JNA	Nagahama	
JNAM	New Almaden Mine	
JNAR	Kushima--Naru	
JNB	Noboribetsu	
JNBK	Urakawa-nobuka	
JNE	Jan Mayen East	
JNG	Nsakai	
JNH	Juniper Hills	
JNI	Jehonathan	
JNIO	Niijimaoohara	
JN-IS	Johnston Island	
JNJ	Junjel	
JNK	Nakash	
JNKG	Nichinankitagou	
JNL	Jenolan Caves	
JNM	Ikuma	
JNN	Nakanoshima	
JNS	Sasagawa	
JNSB	Nemuroshibetsu	
JNT	Takato	
JNTH	Nagotoyohara	
JNTK	Naratenkawa	
JNTW	Noshirotokiwa	
JNU	Nakatsue	
JNW	Jan Mayen West	
JNY	Yasuok	
JO-	Jordan	JO-MN
JOAQ	Joaquin Lookout	
JOB	Onbets	
JOD	Odawara	
JOD2	Odawara 2	
JOE	Joensuu	
JOF	Joensuu	
JOFO	Osakifurukawaosaki	
JOFS	JOFS	
JOG	Oga	
JOG2	Oga 2	
JOG3	Oga3	
JOGS	Gusukube	
JOH	Johannesburg	
JOHAN	St. Johann (BS)	
JOHN	Johnston Island	
JOI	OKI	
JOK	Jbel Ouklim	
JOKE	Okinoerabujima	
JOL	Jolon Road	
JOM	Ohasama	
JOMM	Oshimamatsumae	
JO-MN	Jordan	
JON	Johnnie	
JOPP	Joppolo	
JOR	Okushj	
JOR1	San Jorge 1	
JORD		
JORG	San Jorge	
JORH	JORHAT	
JORV	Jorden Valley SMO	
JOS	Josvafo	
JOSI	Joshimath	
JOSM	Okushiri--Matsue	
JOSN	Second Sedna Site,Hudson Bay	
JOSR	Joseni	
JOT	Ohata	
JOU	Okura	
JOW	Kunigami	
JOZ	Jozini	
JP-	Jasper	JP-AT
JP-AT	Jasper	
JPC	Peters Creek, San Mateo County	
JPK	Jack Peak	
JPLM	Pleasant Valley	PEV
JPPM	Portola Park	LT3
JPRM	Presidio of San Francisco	
JPSM		PSD
JQE	Queens East	
JQT1	Jequitai-MG	
JQX	Jiquilpan	
JR-	Jerome	JR-AZ
JRA	Rausu	
JR-AZ	Jerome	
JRBB	Jordan River	
JRBN	Rebuntou	
JRC2	Joshua Ridge	
JRDJ	Daraweish	
JRG	Rokugo	
JRGM	Rodeo Gulch Road	
JRKH	Jarkhoshk	
JRO	Jston Ridge Obs	
JRQG	Juriquilla Campus	
JRR	Rishiri	
JRRM	Redwood Retreat	
JRS	Jersey	
JRSC	Jasper Ridge	
JRSJ	J Risha	
JRTX	Jordan Ranch	
JRWM	Joshua Ridge West	
JRY	Ryogami san	
JS-	Jackson	JS-TN
JSA	Saint Aubin	
JSAM	San Andreas	SAC
JSB	Shiboa	
JSBM	San Bruno Mountain	
JSC	Jenkinsville	
JSCH	Cashca Tororas, San Jose de Chimbo	
JSCM	Stevens Creek	SEC
JSD	Sado	
JSE	Soyaes	
JSFB	Stanford Telescope, Santa Clara County	
JSFM	Stanford	SFT
JSG	Sagara	
JSGM		SGC
JSGW	Sagamiharawakayanagi	
JSH	Shimam	
JSHD	Hidakashinhidaka	
JSI	Shiura	
JSI2	Shiura 2	
JSJ	Shimokoshiki	
JSJM	St Joseph	SJH
JSK	Shakotan	
JSK1	Jask	
JSKE	Saikikamae	
JSKK	Shikinejimakita	
JSLM	San Andreas Lake	
JSM	Jim Sage Mountain	
JSMM	Sawmill Road	
JSMT	Sammumatsuo	
JSOJ	Natural Resources Authority	
JSR	Shiriuchi	
JSRW	J. Sargeant Reynolds Community College	
JSS	Shosan	
JSSM	Soda Springs	SOS
JSSY	Shinshiroyabe	
JSTM	Santa Teresa Hills	
JS-TN	Jackson	
JSU	Suzuyama	
JSZ	Suzu	
JSZI	Iwateshizukuishi	
JTA	Tamana	
JTAJ	Takarajima	
JTB	Tobi-shima	
JTG	Taga	
JTGM	Trout Gulch Road	
JTH	Tanohata	
JTHR	Tokachihiroo	
JTHY	Toshimahigashiyama	
JTJ	Tarama	
JTK	Tokunoshima	
JTKR	Abashiri--Tokoro	
JTM	Tenmabayashi	
JTMT	Jette	
JTN	Tanegashima 3	
JTNC	Tanabenakahechi	
JTO	Tosashimizu	
JTR	Joshua Tree Park	
JTRM	Los Trancos Road	
JTS	JuntasAbangares	
JTSM	Tsushimamitsushima	
JTSN	Tsuno	
JTSR	Tashiro 2	
JTT	Ttatey	
JTU	Tsushima	
JTY	Toyota	
JTZ	Takazaki	
JU-	Juno	JU-TX
JUA2	San Juan 2	
JUAN	San Juan	
JUBA	Jubany	
JUCM	University of California, Santa Cruz	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JUD3	Juan Diaz 3	
JUE	Julich	
JUG	Jugenheim	
JUI3	Juive 3	
JUI6	Juive	
JUIV	Juive	
JUJ	Jujuy	
JULC	Julian	
JUM	Jug	
JUMK	Jumkunaria	
JUMM	Mount Umunhum	
JUND	Jungingen	
JUQB	Juquia	
JUR	Ureshino	
JURR	Jurilovca	
JUS	Usuki	
JU-TX	Juno	
JVI	Jordan Valley	
JVM	Valle D.L. Mare	
JVW	Jocassee View	
JWA	Jwalamukhi	
JWK	Wakkake-Misaki	
JWK2	Keihoku	
JWKM	Wakayamakushimoto	
JWL	Jwalamukhi	
JWM	Minabe	
JWSM	Woodside	WDS
JWT	Wachi	
JWY	Kouya	
JWZ	Kozaga	
JYA	Atsumi	
JYAK	Yakushimahirauchi	
JYAR	Yonezawaarcadia	
JYG	Yagishiri	
JYJ	Yonaguni jima 2	
JYK	Kaneyama	
JYM	Yakumo	
JYM2	Yakumo 2	
JYN	Shimob	
JYNG	Yonagunijimakubura	
JYO	Yokosk	
JYP	Jyotipuram	
JYRO	Yoronjima	
JYS	Shirataka	
JYSA		
JYT	Yasato	
JYTA	Yamagatataniai	
JYW	Yuwa	
JYYZ	Yamagatayuza	
JYZW	Yoshizawa	
JZK	Kikaishima	
JZO	Okuchi	
K01	Nishinai	
K01A	Sixes	
K02	Yamasaki	
K02A	Glendale	

Code	Station Name	Other
K02D	Willamette Meridian	
K03	Shimotochinai	
K04	Kokoji	
K04A	Chilquin	
K04D	Chiloquin, OR	
K05	Ishipane	
K05A	Summer Lake	
K06	Arakawa	
K06A	Valley Falls	
K07	Kotohata	
K07A	Rock Creek Ranch, Frenchglen	
K08	Monomi-yama	
K08A	Mann Creek Ranch, Princeton	
K09	Ooide	
K09A	Rome	
K10	Oonodaira	
K10A	MacKenzie Ranch, Jordan Valley	
K11	Fujikirizawa	
K11A	Parker Ranch, Bruneau	
K12	Koide	
K12A	Draper Farm, Castleford	
K13A	Stover Farm, Hazelton	
K14A	Jones Ranch, Declo	
K15A	Arbon	
K16A	Soda Springs	
K17A	Gardner Place, Afton	
K18A	Toltan Ranch, Big Piney	
K19A	Absolon Red Butte, Lander	
K20A	Yellowstone Ranch, Lander	
K21A	Alcova	
K22A	Casper	
K23A	Bowen Ranch, Douglas	
K24A	Anderson Ranch, Keeline	
K25A	Mack Ranch, Harrison	
K26A	Motz Farm, Whitney	
K27A	Flueckinger Farm, Gordon	
K27K	Chicken	
K28A	Ten Mile Ranch, Cody	
K29A	Lazy Trails Angus Ranch, Wood Lake	
K30A	Basset	
K31A	O'Neill	
K32A	Verdigre	
K33A	Hardington	
K34A	Le Mars	
K35A	Storm Lake	
K36A	Gilmore City	
K37A	Belmond	
K38A	Parkersburg	
K39A	Oelwein	
K40A	Colesburg	
K41A	Shullsburg	
K42A	Prairie Point, Evansville	
K43A	Burlington	
K46A	Dorr	
K47A	Vermontville	
K48A	Perry	
K49A	Clarkson	
K50A	Casco	
K51A	Iona Station	
K52A	Tillsonburg	
K54A	Basiliko Farm, Boston	
K55A	Perry	
K56A	Middlesex	
K57A	Scipio Center	
K58A	Earlville	
K59A	Cooperstown	
K60A	Five Rivers Env. Education Center, Delmar	
K61A	Williamstown	
K62A	Royalston	
K63A	Dunstable	
KAA	Karratha	
KAAM	Kaadhehdhoo	
KAAO	Kabul (SRO)	KBL
KAAZ	Kauri Point	
KAB	Kabansk	
KABR	Katmai Barrier Ridge	
KABU	Katmai Buttress	
KAC	Achnashellach	
KAC1	Kato Achaia	
KACW	Kace¯ov	
KAD	Karad	
KADD	Katsuyama	
KAE	Kaena	
KAF	Kangasniemi	
KAG	Kagoshima	
KAGG	Kagssortoq	
KAGI	˚orum-Karg¯–	
KAGJ	Kagoshima 2	
KAH	Kaushut	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAHM	Kahramanmara¯/Dulkadiro¯lu	
KAHT	Ahir Dag	
KAHZ	Kahuranaki	
KAI	Kaimata	
KAIC	Katmai Ikagluik Creek	
KAIM	Kayak Island	
KAJ	Kashiwara	
KAJD	Katsuyama	
KAJQ	Kangiqsualujjuaq	
KAK	Kakioka	
KAKA	Kakadu	
KAKJ	Kakioka Outpost	
KAKN	Katmai Knife Crk	
KAL	Kalocsa	
KAL3	Kalamata	
KALB	Balgarevo	
KALE	Kalithea	
KALG	Kalgarh	
KALI	Kaliastana	
KALN	Kalnik	
KALP	Kalibo	
KALU	Kalix	
KAM	Kameyama	
KAMA	Osmaniye	
KAMOR	Kamor	
KAMP	Kamchatka Peninsula	
KAMR	Kamenskoye	
KAMRY	Kamaran Island	
KAMS	Al Khamasin	
KAMT	Kaman	
KAMZ	Kamo	
KAN	Kanazawa	
KAN2	Kanazawa 2	
KAND	Kocaeli-Kandira	
KANH	Kanahau	
KANJ	Kanazawa	
KANM	Kanangra Walls	
KANO	Kano Inlet	
KANT	Kantara	
KAO	Kapuskasing	
KAP	Karpathos	
KAPH	Katmai Pasha	
KAPI	Kappang	
KAPO	Kapuskasing	
KAPS	Kapalarasan	
KAPZ	Kaputan	
KAQ	La Grande 4	
KAR	Karachi	
KAR1	Arisaig	
KAR2	Kardistsa	
KARA	Karaisali	
KARAX	Ethiopian Broadband Seismic Experiment	
KARD	Karad	
KARG	Kargicak-Mersin	
KARJ		
KARM1	KARONGA	
KARN	Karanos	
KARO	Karliova-Bingol	
KARP	Karpathos	
KARR	Katmai Rainbow River	
KARS	Kars	
KART	Kargi	
KARY	Karystos	
KARZ	Kaharoa	
KAS	Kastamonu	
KAS2	Kastoria	
KASA	Kassiopi	
KASI	Kota Agung	
KASO	Kasabonika Lake, First Nations Ontario	
KAST	KASTAMONU	
KAT	Kizyl-Arvat	
KAT1	Katerini	
KATH	Katherine N.T. Australia	
KATL	Kadamtala	
KATS	Katnaghbyur	
KATZ	Kakaramea	
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KAUR	Kamensk Uralskiy	
KAV	Kavieng	
KAVA	Kavala	
KAVG	Kavieng	
KAVV	Kandilli-Istanbul	
KAVZ	Karewarewa	
KAWH	Katmai	
KAY	Katlanovo	
KAYA	Kayacik-Havza(Samsun)	
KAYN	Sakarya/Kaynarca-Ta¯oluk	
KAZ	Karuizawa	
KAZ1	Kazerun	
KB1O	Rock site, Kinburn Side Road	
KB2O	John Shaw Road	
KB3O	Grant Side Rd.	
KB4O	Donald B. Munro Dr,	
KB5O	Diamondview Rd.	
KB6O	John Shaw Road, remote	
KBA	Koelnbreinsperre	
KBAZ	Karaka Road Borehole	
KBB	Kelsey Bay	
KBBA	Kibumba	
KBBM	Bear Butte	
KBC	Kumba	
KBD	Kabd	
KBDG	Kleinbodungen	
KBE	Kobe	
KBF	Kyburz Flat	
KBG	Krutoberegovo	
KBH	Kobugahara	
KBH1	Kgwebe Hills	
KBI	Kettle Butte	
KBI1	Birley Grange	
KBJ	Kelbejer	
KBK	Karagaybulak	
KBKI	Kotabaru	
KBKS	Kabaktan	
KBL	Kabul	
KBM	Katmai Bkd Mtn	
KBN	Korca	
KBNM	Bluenose Ridge	
KBO	Bosley Butte	
KBQ	La Grande 4	
KBR	Kanchanaburi	
KBR01	Khaybar	
KBR02	Khaybar	
KBR03	Khaybar	
KBR04	Khaybar	
KBR05	Khaybar	
KBR07	Khaybar	
KBR08	Khaybar	
KBR09	Khaybar	
KBR10	Khaybar	
KBRM	Barry Ridge	
KBRS	Khaybar	
KBS	Kingsbay	
KBSD	Kabsdagh	
KBSM	Bell Springs	
KBT	Komakuk Beach	
KBTC	Kuba-Taba	
KBTI	Kibati	
KBTR	Krutoberegovo 1	
KBU	Kabul University	
KBUK	KARABUK-Merkez	
KBY	Kobayashi Ranch	
KBZ	Khabaz	
KBZS	Brezje pri Sen	
KC-	Kansas City	KC-MO
KCA	Cave	
KCC	Kaiser Creek	
KCE	Katmai Mt Cerb's	
KCG	Knife Ck. Glacier	
KCH	Monts Chateau	
KCHF	Cheshme Sefid, Kermanshah	
KCHI	Karachi	
KCHT	Kechabta	
KCI	Kelly Canyon	
KCM	Kilenge	
KC-MO	Kansas City	
KCN	Ketchikan	
KCP	Kidapawan	
KCPM	Cahto Peak	
KCQ	La Grande 4	
KCRM	Chalk Rock	
KCSI	Kotacane, Aceh	
KCSM	Cold Springs	
KCT	Karacabey	
KCTM	Capetown	
KCTX	Karacabey (Bursa)	
KCY	Kuchiyama	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDA	Kuranda	
KDAG	Bornova	
KDAK	Kodiak Island	
KDB	Konedobu	
KDC	Kodiak Island	
KDE	Karadeniz	
KDG	Kedougou	KED
KDHN	Kadinhani	
KDI	Kendari	
KDJ	Kajisay	
KDK	Khodzhikent	
KDKW	Coast Env Seattle	
KDM	Kudat	
KDMR	Kurdemir	
KDN	Kodinsk	
KDR	Kadzharan	
KDS	Kedougou	
KDT	Kodera	
KDTR	Khodutka, Kamchatskaya Oblast',Russia	
KDU	Kakadu	
KDUT	Kidman Hollow	
KDV	Kandavu Island	
KDZ	Kurdzhali	
KDZE	Karadeniz Ereoli	
KE-	Kennewick	KE-WA
KEA	Kealakomo	
KEB	Keban	
KEBB	NEPTUNE Canada Endeavour West	
KEBE	Keben-Mersin	
KEBM	Edson Butte	
KEC	Kecskemet	
KECS	Kecovo	
KED	Kedougou	
KED*	Kedougou	KDS
KEDI	Kedomdong	
KEE	Keen Camp Maintenance Station	
KEEL	Keeler	
KEF	Keuruu	
KEF1	Kardakata, Kephalonia	
KEF2	Argostoli. Kephalonia	
KEF3	Kipouria, Kephalonia	
KEF4	Livadi, Kephalonia	
KEF5	Kardakata, Kephalonia	
KEFOR	Forestry Corps, Argostoli (Cefalonia, Greece)	
KEG	Kottamaia	
KEH	Kehvi	
KEIM	Keimoes	
KEK	Kerkira	
KEKH	Kekaha	
KEKT	Keklikтepe	
KEL	Kelud	
KELA	Mount Kelaz	
KELB	Kelsey	
KELC	Kelly Hill Caves	
KELI	Kelakatan	
KELR	Kotokel	
KELT	Kelkit	
KEM	Kemerovo	
KEMA	Kemaliye	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
KEMT	Kemer-ANTALYA	
KEN	Kenai	
KENC	Cerro Kenedy	
KEP	King Edward Point	
KEPZ	Antalya-Kepez	
KER	Kermanshah	
KER02	Argostoli (Greece)	
KERA	Keramoti	
KERG	Konya-Eregli	
KERI	Keren	
KERU	Kerch	
KES	Ksar Es Souk	HAD
KES02	Argostoli (Greece)	
KES04	Argostoli (Greece)	
KES06	Argostoli (Greece)	
KES08	Argostoli (Greece)	
KES11	Argostoli (Greece)	
KES13	Argostoli (Greece)	
KES14	Argostoli (Greece)	
KES16	Argostoli (Greece)	
KES18	Argostoli (Greece)	
KES22	Argostoli (Greece)	
KES29	Argostoli (Greece)	
KESN	Edirne-Kesan	
KEST	Kesra	
KESW	Keswick, Cumbria	
KET	Keravat	
KETS	Keti	
KETU	Ketumbeine	
KETZ	Ketetahi	
KEUT	Kanab	
KEV	Kevo	
KEV1	Kevo	
KEW	Kew	
KE-WA	Kennewick	
KEWM	Kewanee	
KEY	Kluane	
KEY1	Keyworth	
KEY2	Keyworth	
KFA	Klagenfurt	
KFAL	Klamath Falls	
KFC	Kentfield	
KFH	Kaoiki Faults	
KFJS		
KFL	Anninata	
KFNJ	Kafrein	
KFO	Klamath Falls	
KFPM	Farley Peak	
KFRA	Kufra	
KFTR	Kaftarguzar	
KFU	Kofu	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KGD	Kothagudem	
KGF	KGF	
KGI	Kellogg	
KGJ	Kitakami	
KGL	Cahul	
KGM	Kluang	
KGMA	Kigoma	
KGMK	Kamigamo	
KGMM	Grouse Mountain	
KGN	Komagane	
KGNI	Kongan	
KGNO	Kingston	
KGR	Kogok River	
KGSKZ	Kyrgizsay	
KGT	Karabiga	
KGUR	Krasnodar	
KGW	Kakegawa	
KH-	Kohls Ranch	KH-AZ
KHA	Khancoban	
KHAL	Karahalli	
KHAR	Kharino, NSO, Russia	
KHAT	Khait	
KH-AZ	Kohls Ranch	
KHB	Jabal al Khashab	
KHB1	Khanabri-I	
KHBM	Hayfork Bally	
KHBR	Khabarovsk	
KHC	Kasperske Hory	
KHE	Kheis	
KHEL	Khelvachauri	
KHET	Khetri	
KHEZ	Kahui Hut	
KHF	Khenifra	
KHG	Khandyga	
KHGB	Koh Gabri	
KHI	Kakhk	
KHI1	Khiner	
KHIT	Khitrov Hills	
KHJ	Kushihara	
KHK	Keihoku	
KHKI	Kahang-Kahang	
KHL	Karahalli	
KHLH	Kahului Airport	
KHLM	Kholmsk	
KHLS	Khulais	
KHLS2	Khulais	
KHLT	Khaolaem Dam	
KHLU	Kahalu'u	
KHM	Kohima	
KHMM	Horse Mountain	
KHMN	Narli-Kahramanmaras	
KHMZ	Khomeyn	
KHN	Khani	
KHNJ	Kahnooj	
KHNR	Khani	
KHNS	Khani	
KHO	Khorog	
KHON	Khomkaen	
KHR	Khorongon	
KHS	Khaishi	
KHS1	Khanabri	
KHSK	Kohestak	
KHT	Khao Laem Dam	
KHU	Kahuku	
KHUM	Khumson	
KHUZ	Khuzdar	
KHVA	Khvani	
KHVB	Wang Home	
KHY	Khatystyr	
KHZ	Kahutara	
KIA	Kiara Terrace	
KIAG	Kiagna River	
KIAM	Kaiam	
KIB	El Ksiba	
KIBA	Kibaya	
KIBK	Kibwezi	
KIBS	BOLU	
KIC	Kosan Boka	
KICM	Kanaga Island Cape Miga	
KIE	Kermit	
KIEV	Kiev	
KIF	Kilpisjarvi	
KIF1	Kiffisia	
KIG	Kigali	
KIH	Kanekii	
KII	Karymskiy	
KIJ	Kawah Idjen	
KIJV	Kijevo	
KIK	Kika Raxquin	
KIKV	Kanaga Island Kanaga Volcano	
KIL	Kilembe	
KIL1	Kilkis	
KILO	Kirkland Lake	
KIM	Kimberley	
KIMB	Kimball Elementary School	
KIMD	Kanaga Island MID Benchmark	
KIMR	Kitsap County Moderate Risk Waste Facility	
KIN	Kingston	
KINC	Kanaga Island North Cape	
KING	Kindia	
KINR	Kitsap County North Road Shed	
KIOM	Kiomboi	
KIP	Kipapa	
KIPH	Kalayaan	
KIPM	Iron Peak	
KIR	Kiruna	
KIRH	Kanaga Island Round Head	
KIRK	K¯–rklareli	
KIRO	Kirovokan	
KIRR	Kirishev	
KIRS	K¯–r¯ehir-Merkez	
KIRV	Kirov	
KIS	Kishinev	
KIS1	Kissamos	
KISE	Kishinomiya	
KISK	Kishima-dake	
KIT	Kermit	

Code	Station Name	Other
KIT*	Kaitaia	
KITB	Kitimat	
KITD	Kitadake	
KITH	Kitausu	
KITP	Kitsap County Wastewater Treatment Plant	
KIV	Kislovodsk	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KIW	Kapiti Island	
KIWB	Kanaga Island Westway Bight	
KIY	Kiyosumi	
KIYI	Yal¯–koy-Catalca	
KIYZ	Kiyzas, Kuzbass, Russia	
KIZ	Kirchzarten	
KIZK	Mersin	
KIZO	Buyukkizoglu-Ladik(Samsun)	
KIZR	Kizel	
KIZT	Kizilcal	
KJA	Kiajanaja	
KJAB	KAMANJAB	
KJF	Kajaani	
KJJM	Johnny Jack Ridge	
KJKQ	Kuujjuarapik	
KJL	Kejulik	
KJN	Kajaani	
KK01	Karatay Array site	
KK02	Karatay Array site	
KK03	Karatay Array site	
KK04	Karatay Array site	
KK05	Karatay Array site	
KK06	Karatay Array site	
KK07	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK31	Karatay Array site	
KKAR	Karatay Array	
KKB	Krupnik	
KKBE	Karaman7Kaz¯–mkarabekir	
KKD	Korintji-Dempo	
KKG	Kukul	
KKGU	Kamikuga	
KKH	Kailua Kona	
KKHI	Kotkhai	
KKI	Karkar Island	
KKJ	Kaminokuni	
KKL	Karkaralinsk	
KKLA	Kookooligit Mountain	
KKM	Kota Kinabalu	
KKN	Kakani	
KKO	Keanaka@18ko'i	
KKPM	Kettenpom Peak	
KKR	Kurukshetra	
KKRS	Karmrakar	
KKS	Kukesi	
KKSI	Kolaka, Sulawesi	
KKT	Kermit	
KKTK	Khon Kaen	
KKU	Keanakolu	
KKUL	Konya-Kulu	
KKW	Kainokawa	
KKY	Kaikoura West	
KKZ	Kaikoura	
KLB	Kellerberrin	
KLBO	Killbear Provincial Park	
KLBR	Kellerberrin	
KLC	Kirkland Lake	
KLCH	Kalalua Cone	
KLD	Kalaidasht	
KLDN	Kaloudiana Chania	
KLEP	Klepka	
KLF	Kolari	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KLH	Kapapala Ranch	
KLI	Kotabumi	
KLJ	Keetly	
KLK	Kealakekua	
KLKU	Kulkuduk	
KLL	Kalltalsperre	
KLM	Kuala Lumpur	
KLMR	Klimovskoe	
KLMT	Kalamata	
KLN	McKendrick Lake	
KLN4	Kalinino	
KLNB	Kelsey New	
KLNI	Mataram	
KLNJ	Kolanjah	
KLNR	Kaliningrad	
KLO	Kirkland Lake	
KLOF	Kloof	
KLP	Kalpa	
KLR	Kul'dur	
KLR1	Kalamaria	
KLRI	Killari	
KLS	Karlskrona	
KLSI		
KLT	Keltepe	
KLTT	Kalaidasht	
KLU	Klutina	
KLUP	Keelung Port	
KLV	Kalavryta, Achaia	
KLV1	Kalavrita	
KLY	Klyuchi	
KLYT	Kilyos	
KM-	Kramer	KM-CL
KM2	Kermit	
KM3	Kermit	
KM5	Kermit	
KM6	Kermit	
KM9	Kermit	
KMA	Kami	
KMB	Kimbe	
KMBE	Kimbe	
KMBH	Kambah	
KMBL	Kambalda	
KMBO	Kilima Mbogo	
KMC	Kompina	
KM-CL	Kramer	
KMD	Komatsu	
KMD1	Dasu	
KME	Kermit	
KMER	Konya-Meram	
KMF	Kamafusa	
KMG	Kumagaya	
KMGE	Kuromamegawa	
KMGR	Komgaron	
KMH	Puu Kamoamoa	
KMI	Kunming	
KMIS	Kosovska,, Mitrovica	
KMJ	Kume jima	
KMJD	Komatsu	
KMK	Kamakura	
KMKR	Kumukh	
KML	Kamuela	
KMLS	Shenavan	
KMM	Kamigamo	
KMMI	Kalianget	
KMN	Kumano	
KMN1	Usha	
KMNK	Kaminaka	
KMNR	Kamenistaya	
KMO	Kumora	
KMON	Kastamonu	
KMOR	Kings Mountain	
KMP	Kimball Pass	
KMPD	K-Podol'skiy	
KMPI	Kaimana, Papua	
KMPM	Mount Pierce	
KMR	Kremsmunster	
KMRM	Mail Ridge	
KMRS	Kahramanmaras	
KMRZ	Kaimai	
KMS	Karamursel	
KMSA	Khamasin	
KMSC	Kings Mountain, Blacksburg	
KMSG	Kumisi	
KMSI	Cibinong	
KMSK	Kamenskaya	
KMSR	Komsomolskaya	
KMST		
KMT	Kinomoto	
KMT1	Komotini	
KMTA	Khamis Mushayt	
KMTI	Karmit	
KMTU	Khamis Mushayt	KMTA
KMU	Kamikineusu	
KMV	Keen Mountain	
KMV1	Kammena Vourla	
KMY	Karmoy	
KMYN	Kameyama	
KMZ	Kasempa	
KN-	Kanab	KN-UT
KNA	Kununurra	
KNAL	Kinaliada	
KNB	Kanab	
KND	Kandira	
KNDC	Almaty	
KNDN	Kennady Lake	
KNDR	Palaiochora Chania	
KNDS	Knez@19ji Dol	
KNEL	Kent Elementary ANSS-SMO	
KNG	Konigsberg	
KNGHS	KNGHS	
KNGL	Kangalassy	
KNGQ	Kangiqsujuaq	
KNGR	Kungurtug, Tuva Republic, Russia	
KNGS	Khingansk	
KNH	Kipuka Nene	
KNHH	Kane Nui o Hamo	
KNI	Koyna Nagar	
KNIM	Knight Island	
KNJ	Kinomoto	KMT
KNJD	Kanaihara	
KNK	Knik Glacier	
KNL	Bal¯–kesir	
KNM	Kinmen	
KNMB	Chin-men Tao	
KNN	Kunene	
KNN1	Kunene	
KNO	Knox Ranch	
KNP	Kunneppu	
KNR	Kangurt	
KNR1	Nevis Range	
KNRA	Kununurra	
KNS	Konitsa	
KNS1	Konitsa	
KNT	Kendrikon	
KNTN	Kanton	
KN-UT	Kanab	
KNW	Konawaena	
KNY	Kanayama	
KNZ	Kokohu	
KOA	Kobuan	
KOB	Kobe	
KOC	Kochi	
KOCA	ˆanakkale/Ayvac¯–k-Kocakˆ¶y	
KOCW	Kopaniny	
KOD	Kodaikanal	
KOE	Koeppel	
KOF	Kofu	
KOFP	Korovin Flat Point	
KOG	Kourou	
KOGH	Koforidua	
KOGS	Kog	
KOH	Kohala	
KOHB	KOHEUNG	
KOHI	KOHIMA	
KOI	Khonsa	
KOID	Koike	
KOJ2	Gongju-si	
KOK	Koryaka	
KOKL	Mount Kliuchef	
KOKV	Korovin Volcano	
KOL	Kolay	
KOLH	KOLHAPUR, MAHARASTRA	
KOLL	Kolacno	
KOLN	Koldanda	
KOLS	Kolonicke sedlo	
KOM	Komaba	
KOMA	Komarou	
KOME	Kolasin	
KOMG	Komaggas	
KOMM	Orleans Mountain	
KOMS	Komsomolabad	
KOMT	Akitakoma	
KON	Kongsberg	KONO
KONA	Konidatara, Kephalonia	
KOND	Kondoa	
KONE	Korovin Northeast	
KONH	Konpirayama	
KONO	Kongsberg	
KONS	Konsvik	
KONT	Konya--Tatoy	
KONW	Korovin Northwest	
KOOC	Abou Kooc	
KOPR	Koprukoy-ERZURUM	
KOPT	Kop Dagi	
KOR	Koror	
KOR2	Korinthos	
KORK	Korkuteli	
KORR	Kora	
KORT	Korkueli	
KORU	Korolevo	
KOS	Kosmodemyansk	
KOS1	Kos Island	
KOSE	Korovin Southeast	
KOSH	Koshkarbay	
KOSI	Kohlern	
KOSK	Kos Island	
KOSW	Kosmos	
KOT	Kottamia	
KOTA	A¯r¯–/Merkez-Kocata¯	
KOTE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
KOTI	Kothi	
KOTS	Kotyrbulak	
KOU	Koumac	
KOUM	Koumaradei	
KOUNC	Koumac, New Caledonia	
KOVA	Elaz¯–¯/Kovanc¯–lar-Tepebag	
KOVU	Salmi	
KOW	Kowen Forest	
KOWA	Kowa	
KOWE	Korovin West	
KOWM	Kowarra	
KOY	Koyama	
KOZ	Kozyrevsk	
KOZ*	Kozyr	KOZR
KOZ2	Kozani	
KOZAM	Lom-Kozlod	
KOZJ	Kozjak Brana	
KOZK	Kozakli-Nevsehir	
KOZR	Kozyr	
KOZT	Kozan	
KOZTB	Kozan	
KPA	Kalaupapa	
KPAM	Keepit Dam	
KPB	Port Bizet	
KPC	Khapcheranga	
KPD	Port Douzieme	
KPE	Price	
KPH	Kaena Point	
KPJ	Monastery St. Joachim Osogovski	
KPJI	Karang Pucung	
KPK	Kanaka Peak	
KPKS	Kokpek	
KPL	Plockton	
KPLS	Shiveluch-Kupola	
KPN	Kupiano	
KPNG	Kappang	
KP-NV	Kawich Peak	
KPO	Kapoho	
KPPM	Pickett Peak	
KPR	KrasnayaPolyana	
KPRO	Kipourio	
KPT	Kopyto	
KPTM	Keepit Bedrock	
KR-	Crane	KR-OR
KRA	Krakow	
KRAB	Krabi	
KRABS	KRABS	
KRAI	Karang Ratu	
KRAM	Krabesse	
KRAR	Krasnoyarsk	
KRB	Kariba Dam	
KRBA	Kerman	
KRBG	Karabiga-Canakkale	
KRBN	Karaburun	
KRBR	Kerman	
KRBS	Karabastau	
KRC	King Ranch	
KRCS	Mys Kronotskii	
KRCT	Kiractepe	
KRCW	Kraslice	
KRD	Kurday	
KRDT	Erzincan	
KRE	Kure	
KRER	Koryakskii	
KRF	Krasnovodsk	
KRG	Kerema	
KRGZ	Buyukada	
KRH	Kirikhan	
KRHZ	Kereru	
KRI	Karoi	
KRI1	kERI	
KRIK	Erzurum-¯spir	
KRIS	Kristallenia	
KRIT	Krib	
KRJ	Kamimuroga	
KRJI	Kerinci	
KRK	Kirkenes	
KRK1	kERKIRA	
KRKI	Karangkates	
KRKL	Karaikal	
KRKM	Rackout Springs	
KRL	Karlsruhe	
KRL1	Karlovasi Samou	
KRLC	Kraliky	
KRM	Kurmenty	
KRMB	Red Mountain	
KRMI	Paran Flat	
KRMM	Red Mountain	
KRMN	Karaman	
KRMR	Karymshinskiy	
KRMZ	Karmrakar	
KRN	Kronoki	
KRNA	Kawich Range	
KRND	KRANIDI	
KRNR	Karanay	
KRO	Koro	
KROM	Kromhout	
KR-OR	Crane	
KROS	Kirovskiy	
KRP	Karapiro	
KRPM	Rodgers	
KRPT	Karpathos	
KRR	Karoi	
KRS	Krasnogorka	
KRS4	Mayak Korsakovskie (Korsakov)	
KRSH	Karshahi	
KRSQ	Kangirsuk	
KRSR	Krestovskiy	
KRT	Keravat	
KRTD	Karatas-Adana	
KRTS	Karatas	
KRTT	Kurtkulagi	
KRTU	Karatu	
KRU	Karasu	
KRUC	Moravsky	
KRUK	Karasu	
KRUS	Krusevo	
KRV	Ganja	
KRVT	Keravat (AS076)	
KRVZ	Karewarewa	
KRW	Karlsruhe West	
KRX	Arik	
KRY	Koidern River	
KRYG	Kurzu	
KRZ	Karuizawa	KAZ
KS01	Wonju Array Site 1	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS15	Wonju Array Sites 15 and 31	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KSA	Ksara	
KSADO	Andong	
KSAND	Andong	
KSANM	Anmyeondo	
KSAR	Wonju Array Beam Reference Point	
KSB	Sheil Bridge	
KSBAR	Backryungdo	
KSBON	Boeun	
KSBRD	Baengnyeongdo	
KSBSA	Busan_acc	
KSBUS	Busan	
KSBUY	BUYEO	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
KSCHC	Chuncheon	
KSCHI	Jinju	
KSCHJ	Chungju	
KSCHO	Jeonju	
KSCHR	CHANGNYEONG	
KSCHS	CHEONGSONG	
KSCHW	Cheorwon	
KSCHY	BONGHWA	
KSCIG	Chilgok	
KSCM	Snow Cap Mountain	
KSCO	Kaye Shedlock's, Cheyenne Wells	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSCT	Kent School, Kent	
KSCWO	Cheorwon	
KSD	Kokstad	
KSDAG	Daegu	
KSDAU	Deagu-acc	
KSDD	Koussour	
KSDDC	Dongducheon	
KSDEI	Deokjeokdo	
KSDGY	Daegwallycong	
KSDI	Kefar Szold	
KSEUS	ULSEONG	
KSGAH	Ganghwa	
KSGBI	Gyogryolbido	
KSGIC	Gimchen	
KSGOS	Gosan	
KSGSG	Gangseo	
KSGUM	GUMI	
KSGUS	GUNSAN	
KSGWJ	Gwangju-acc	
KSGWL	Sabuk	
KSH	Kashi	
KSHAC	HAPCHEON	
KSHAD	HADONG	
KSHAN	Haenam	
KSHJ	Kshj	
KSHT	Keshet	
KSHUK	Heuksando	
KSHWR	Kishtwar	
KSI	Kapahiang	
KSICN	Icheon	
KSIJA	INJE	
KSIMS	Imsil	
KSINC	Incheon	
KSJ	Kashima	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJDO	Jindo	
KSJEC	Jecheon	
KSJEO	Jeonju	
KSJES	JEONGSEON	
KSJEU	Jeongeup	
KSJIN	Jinju	
KSJJU	Jeju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSK	Scoval	
KSKAN	Gangneung	
KSKCH	Geochang	
KSKMS	Keumsan	
KSKOH	Goheung	
KSKOJ	Gongju	
KSKUC	Geochang	
KSKUS	Gunsan	
KSKWJ	Gwangju	
KSL	Kastellorizon	
KSLI	Kharsali	

Code	Station Name	Other
KSM	Kuching	
KSMAN	Muan gun	
KSMAS	Masan	
KSMGY	Mungyeong	
KSMIY	MIRYANG	
KSMM	Slide Mountain	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMR	Kasumkent	
KSMSA	Geumsan	
KSMUG	Mungyeong	
KSMUS	Musan	
KSMZ	Kasama	
KSN	Kinkasan	
KSNAH	Namhae	
KSNAJ	Naju	
KSNAW	Namwon	
KSNOW	Nowan	
KSO	Kastoria	
KSP	Ksiaz	
KSPA	Keystone College	
KSPHA	Pohang	
KSPM	Sherwood Peak	
KSPOH	Pohang	
KSPOR	Boryeong	
KSPUA	Buan	
KSPYC	Pyeongchang	
KSR	Koster	
KSRS	Korea Array	
KSRV	Kasrt alli	
KSS1	Kassos Island	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSCH	SUNCHEON	
KSSEO	Seoul	
KSSES	Seosan	
KSSGP	Seogwipo	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
KSSSP	Seongsanpo	
KSSWO	Suwon	
KST	Kastek	
KSTBA	Taebaek	
KSTEJ	Daejeon	
KSTL	Kastelli Heraklio	
KSTOH	DONGHAE	
KSTOY	TONGYEONG	
KSU	Koussour	
KSU1	Kansas State University--Konza Prairie	
KSUJ	Kushiro	KUSJ
KSULJ	Uljin	
KSULL	Ulleungdo	
KSULS	Ulsan	
KSUO	Kent State University	
KSUSN	Ulsan	
KSV	Kosov	
KSVO	Keeseville	
KSVV	Ky Son	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSWY	Kelly School	
KSXB	Camp Six Broadband	
KSXM	Camp Six	
KSY	Syston	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOS	Yeosu	
KSYOW	Yeongwol	
KSYSU	YEOSU	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT7	Kermit	
KT8	Kermit	
KT9	Kermit	
KTA	Kotzebue	
KTAS	Katas	
KTBS	Karatobe	
KTD	Kalmit	
KTE	Kermit	
KTG	Kap Tobin	
KTG1	Tilbrook Grange	
KTGM	Kuala Trengganu	
KTH	Kantishna Hills	
KTHA	Kythira Island - Agia Moni	
KTHR	Kythira	
KTI	Kastanea	
KTJ	Kamata	
KTJ3	Kamata3	
KTJD	Kamitakara	
KTJJ	Kamata 2	
KTK1	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK6	Kautokeino	
KTL	Katale	
KTLM	Kings Tableland	
KTM	Katmai	
KTMO	Khatum	
KTMS	Ketmen	
KTMY	Kuala Trengganu	KTGM
KTN	Katrineberg	
KTNK	Katano	
KTNR	Kaitanak	
KTR	Katsuura	
KTRM	Thompson Ridge	
KTRR	Kuturchin	
KTT	Kermit	KIT
KTUT	Trabzon	
KTWE	Kitwe	
KTX	Kermit	
KTZ	Kutztown	
KU1	Kurvinen	
KU2	Taivalkoski	
KU3	Posio	
KU4	Liikasenvaara	
KU5	Karpankyla	
KU6	Riekki	
KU7	Kasma	
KU8	KU8	
KUA	Kurravaara	
KUB	Quba	
KUBB	Kubrat	
KUBR	Kubataba	
KUBS	Kucevo	
KUC	Kucino	
KUDL	Kundal	
KUF	Ufford	
KUG	Kupang	
KUGN	Kugaaruk Camp, Nunavut	
KUH	Kaapuna	
KUJA	Jangpyeong	
KUK	Kukurantumi	
KUKN	Kugluktuk,NWT	
KUL	Kulyab	
KULA	Kula-Manisa	
KULE	Kulei Odisha,India	
KULG	Kulusuk, Greenland	
KULLO	Kullorsuaq	
KULM	Kulim	
KULR	Kulu	
KULT	Kultieth River Mountain	
KULU	Kulu	
KUM	Kumamoto	
KUM*	Kumora	KMO
KUMJ	Kumamoto 2	
KUMR	Kumaryk	
KUN	Kunming	KMI
KUP	Kupang	
KUPE	Kupecik-Ladik(Samsun)	
KUPN	Kupiano	
KUPT	Kupang	KUG
KUQ	Kuujjuuaa	
KUR	Kuril'sk	
KUR01	Kurchatov Array Site 1	
KUR02	Kurchatov Array Site 2	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KURBB	Kurchatov Array	
KURC	Kurucasile-Bartin	
KURK	Kurchatov	
KURS	Kuram	
KUS	Kushiro	
KUSD	Kusadasi-Aydin	
KUSJ	Kushiro	
KUT	Kutsugahara	
KUTA	Kuta	
KUTH	Kutahya	
KUTZ	Kaahu Road	
KUU	Kurty	
KUZ	Kuaotunu	
KUZU	Kuzuini	
KV-	Keg River	KV-AT
KV01	Kirishima Volcano	
KV02	Kamimonzen	
KV03	Oonami West	
KV04	Kurino-dake	
KV05	Oonami East	
KV06	Karakunidake	
KV09	Okamoto-Ura	
KV11	Takachiho West	
KV12	Sinyu	
KV91	Ura	
KVAR	Kislovodsk Array Beam Reference Point	
KV-AT	Keg River	
KVC	Kvetna	
KVG	Kavieng	
KVLA	Kavala	
KVN	Kaiserville	
KVO	Kovokta	
KVR	Kavouri	
KVT	Kavak	
KVTA	Katmai Vly 10 NE	
KVTX	Kingsville	
KWA	Guiyang	GYA
KWAJ	Kwajalein Atoll	
KWE	Weaver Farm	
KWHZ	Kaweka Forest	
KWJ	Kawai	
KWNG	Kwanting	
KWP	Kalwaria Paclawska	
KWSI	Makuyuni	
KWT	Kawatabi	
KWZ	Kawazu	
KYA	Kyakhta	
KYB	Urasar	
KYJ	Kuroyon	
KYK	Kayak Island	
KYL	Kyle	
KYLA	Kyela	
KYM	Kumisi	
KYM1	Kymi	
KYMI	Kymi, Euboea Island, Greece	
KYO	Kyoto	
KYP	Key Point	
KYP2	Kyparissia	
KYR	Kayrak	
KYS	Kiyosumi	
KYT1	Potamos Kythira	
KYTD	Kurayoshi	
KYTH	Kithira	
KYU	Kyusyur	
KYZD	Kyzyldzhar	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
KZAG	Qyzylaghash	
KZAKZ	Kzylasker	
KZI	Kaziranga	
KZIL	AFYON_Kizioren	
KZIT	Kziot	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
KZL	Kozel'skiy	
KZLR	Kyzyl	
KZM	Kalamazoo	
KZN	Kozani	
KZR	Kazreti	
KZRT	Kazreti	
KZT	Kanzaki	
KZV	Kizimen	
KZW	Kaizawa	
L02A	Cave Junction	
L02D	Cave Junction, OR	
L02E	Cave Junction	
L04A	Klamath Falls	
L04D	Klamath Falls	
L05A	Lakeview	
L07A	Adell	
L08A	Fields	
L09A	Wilkinson Ranch, McDermitt	
L10A	Juniper Basin Ranch, Riddle	
L11A	Cat Creek Ranch, Riddle	
L12A	House Creek Ranch, Rogerson	
L13A	Double Diamond Ranch, Oakley	
L14A	Malta	
L15A	Malad City	
L16A	Fish Haven	
L17A	Cokeville	
L18A	Fontenelle, Green River	
L19A	Farson	
L20A	Wamsutter	
L21A	Rawlins	
L22A	Ellis Ranch, Medicine Bow	
L23A	Garrett	
L24A	Wheatland	
L25A	Engebretsen Ranch, Morrill	
L26A	Underwood Farm, Alliance	
L26K	Log Cabin Wilderness Lodge, Tok	
L27A	T5 Ranch, Ellsworth	
L28A	Connealy Angus Ranch, Whitman	
L29A	Maesberg Ranch, Thedford	
L30A	Spencer Herefords Ranch, Brewster	
L31A	Butterfield Farm, Chambers	
L32A	Elgin	
L33A	Hoskins	
L34A	Svendsen Farm, Lyons	
L35A	Bielow Farm, Ricketts	
L36A	Harm Buss Farm, Glidden	
L37A	Phoenix Point, Boone	
L38A	Oak Wood Farm, Albion	
L39A	Vinton	
L40A	Anamosa	
L41A	Preston	
L42A	Oliver, Polo	
L43A	Garden Prairie	
L44A	Lake County Forest Preserve, Grayslake	
L46A	Eue Claire	
L47A	Sherwood	
L48A	N Adams	
L49A	Milan	
L50A	Kingsville	
L53A	Girard	
L54A	Sinclairville	
L55A	Hinsdale	
L56A	Greenwood	
L57A	Andrews Acres Farm, Gillet	
L58A	Harry Jones Memorial, Binghamton	
L59A	Walton	
L60A	Shokan	
L61A	Hillsdale 1, Hillsdale	
L61B	Northampton	
L62A	Suffield	
L63A	North Scituate	
L64A	Middleborough	
L65A	Cape Cod National Seashore	
L6KY	Lock 6	
LA-	Lafayette	LA-GA
LA0	Lasa Array	LAO
LAA	Little America	
LAB	Little Aspen Butte	
LABF	Labassere	
LABG	Labe	
LABN	Labinsk	
LAC	Landers	
LACH	Col Las Americas	
LACI	Lac	
LACL	Lacq	
LACR	Lac	
LACU	La Cuchilla	
LACW	Lazy	
LAD	Ladron Mountain	
LADA	La Danta	
LADK	Ladik-KONYA	
LADO	San Nicola dell'Alto	
LAE	Lae	
LAEL	Laela	
LAF	Lafayette	
LAFA	Gebze-Kocaeli	
LAG	Langila	
LA-GA	Lafayette	
LAGB	Langenfeld Grube Bendisberg	
LAGL	Lagor	
LAGM	Oaxaca	
LAGR	Lagunnoye	
LAGU	Laguneta	
LAGV	Lagunillas	
LAH	Lahore	
LAIN	Lailor River, Nunavut	
LAJ	Bijagual	
LAJA	Laja	
LAJE	UHE Lajeado	
LAJO	La Joya	
LAK	Lawrence	
LAKA	Lakka	
LAKD	Lakadia	
LAL	Leola	
LALZ	Loma Alta	
LAMM	Antelope Mountain	
LAMP	Lampang	
LAN	Lanzhou	
LANC	Lancaster	
LANE	Lane BPA Site-SMO	
LANF	Langenberg	
LANH	Laconia	
LANS	Liptovska Anna	
LANT	Antrodoco	
LANU	Lannavaara	
LAO	LASA Array	
LAP	La Paz	
LAPC	Finca la Perla	
LAPE	La Pedrera	
LAQ	La Grande	
LAQC	La Quinta	
LAR	Laramie	
LAR1	LAR	
LAR4	Larissa	
LAR5	Larissa	
LARC	La Roca	
LARD	Lac Aux requins	
LARF	Larrau	
LARI	Lau Rambong	
LARO	La Roca	
LAS	Mount Lassen	
LASA	Lasa Array	LAO
LASF	Ste Croix	
LASI	Langsa, Aceh	
LASL	Noumea	
LASM	Arnica Sink	
LAST	Lasithi	
LAT	Lae	
LATB	Latina	
LATE	Laterza	
LATQ	La Tuque	
LATR	Latur	
LAU	La Urbina	
LAUCH	Lauchernalp	
LAUG	Laupendahl	
LAV	Laguna Verde	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LAV9	Lanuvio	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
LAVN	Lang Chanh	
LAVR	Lavrentia	
LAW	Lawrence	
LAWE	Loch Awe, Argyll & Bute	
LAWT	Lawton Elementary School	
LAX	Bahia de Los Angeles	
LAY	Lan-yu	
LAZ	Ladron	
LAZE	Lhatse, Xizang Zizhiqu	
LAZM	Lazaro Cardenas	
LB-	Lebanon	LB-NH
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LBB	Lubumbashi	
LBC	Lubudi	
LBCM	Butte Creek Rim	
LBCW	Luby	
LBF	Les Buteaux	
LBFI	Labuhan Bajo, Sumatra	
LBFM	Black Fox Mountain	
LBG	Lerchenberg	
LBGA	Luboga	
LBGK	Lebyazhka	
LBGM	Big Gulch	
LBH	Morecambe B102	
LBKM	Bonanza King	
LBL	Lubilhac	
LBM	Little Butte	
LBMI	Labuha	
LBMM	Bass Mountain	
LBNH	Lisbon	
LB-NH	Lebanon	
LBNS	Jabal Laban	
LBO	Bowland	
LBOS		
LBP	Lucky Boy Pass	
LBPH	Los Banos	
LBPM	Beegum Peak	
LBQ	La Grande	
LBRS	Las Brisas	
LBSA	Labasa	
LBT	Labete	
LBTB	Lobatse	
LBTL	Lobethal	
LBUT	Lower Browns Hole	
LBWR	Ladybower, Peak District	
LBXM	Letterbox	
LBZ	Lake Benmore	
LC-	Las Cruces	LC-NM
LC01	Cunco	
LC02	Puerto Saavedra	
LC1	LASA C Ring	
LC2	LASA C Ring	
LC3	LASA C Ring	
LC4	LASA C Ring	
LCA	Log Cabin	
LCAL	Lambert Chapel	
LCAM	Castella	
LCAR	Lake Charles	
LCAV	Cave	
LCBC	Los c^‡rdobas, Cordoba	
LCBS	La Ceiba	
LCC	Lanzhou	
LCCB	Little Cholame Creek	
LCCH	Las Cruces	
LCCM	Lewis and Clark Caverns	
LCCO	Lakeland CC	
LCCO2	Lakeland CC 2, Kirtland	
LCCY	Blossom Village, Little Cayman	
LCFM	Crescent Cliff	
LCG	Leon Cerro Gordo	
LCGC	La Cienega, Culver City	
LCH	Last Change Range	
LCH0	Los Chiles	
LCHF	La Chataigneraie	
LCI	Lecce	
LCK	Crook	

Code	Station Name	Other
LCL	Rancho Los Cerritos	
LCM	Los Angeles Museum of Natural History	
LCMM	Colby Mountain	
LCMT	Little Creek Mountain	
LCN	Lincoln	
LCNA	Lacona	
LCNC	Loup City	
LCND	La Ca˜–ada	
LCNE	Loup City	
LC-NM	Las Cruces	
LCNT	Contigliano	
LCO	Las Campanas	
LCP	Cassop	
LCQ	La Grande	
LCR	La Lucha	
LCR2	La Lucha 2	
LCRK	Leigh Creek	
LCRM	LCR	
LCSM	College of the Siskiyous	
LCV	La Cueva	
LCVN	Lai Chau	
LCW	Lucas Creek	
LCY	Lacayo	
LD-	Lucedale	LD-MS
LD1	LASA D Ring	
LD2	LASA D Ring	
LD2MS	Lucedale	
LD3	LASA D Ring	
LD3MS	Lucedale	
LD4	LASA D Ring	
LDBL	Lucq-de-Bearn	
LDBM	Digger Butte	
LDBN	Lake De Bois	
LDF	La Druitiere	
LDFC	Landfair	
LDG	Lodge	
LDGN	Lac de Gras North	
LDIO	Lac des Isle Mine	
LDJ	Lady	
LDLD	Lac de Lave	
LDM	Libby Dam	
LDMO	Linda	
LD-MS	Lucedale	
LDN	London (Ont)	
LDQ	La Grande	
LDR	Lodi Road	
LDS	Leeds	
LDSQ	Shawville	
LDU	Leeds University	
LDUT	Ludao	
LDV	Leadville	
LDVG	Clark Hill Reservoir	
LE-	Lewisburg	LE-TN
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LEA	Lead	
LEAH	Tarraleah	
LECO	Lake Erie College	
LED	Lead Mountain	
LEE	Leeds	
LEF	Lefka	
LEF2	Lefkas	
LEG	Legaspi	
LEGH	Legon	
LEGS	Legarje	
LEHL	Lehliu	
LEI	Leipzig	
LEIB1	TS Leibis	
LEK	Lexington	
LEM	Lembang	
LEME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
LEN	Leninakan	
LENE	LENE	
LENM	Lemitar	
LEO	Leoncito	
LEO1	Leonidio	
LEOC	Leona Valley	
LEOD	Capriano del Colle	
LEOM	Leova	
LEON	Leon	
LEOT	Leota Junior High School	
LEP	Lephalale	
LEPF	PUYLOUBIER	
LER	Lerida	
LERS	Lernavan	
LERZ	Lernakert	
LES	Lesozavodsk	
LESF	Lescure	
LE-TN	Lewisburg	
LEV	Loma de el Viento	
LEVU	Levan	
LEWI	Lewis, Hebrides	
LEX	Lexington	
LF-	La Follette	LF-TN
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
LFA	Lagoa do Fogo	
LFC	Lale Fork Canyon	
LFF	La Frestale	
LFK	Lefkose	
LFM	Lubrecht Forest	
LFRS	El Faro	
LF-TN	La Follette	
LFU	La Fuente	
LG-	Long Valley	LG-AZ
LG4Q	La Grande 4	
LGA	Laguna Mountains	
LGAR	La Grange	
LGAT	Lohaghat	
LG-AZ	Long Valley	
LGBM	Gray Butte	
LGC	Lakewood Golf Course	
LGCB	Laguna Cube	
LGD	Lagodekhi	
LGD1	lAGKADAS	
LGDO	Mt Longido	
LGG	Legon	
LGHD	Ghdames	
LGHM	Grouse Hill	
LGKY	Lock 6	L6KY
LGM	Little Green Mountain	
LGMM	Garner Mountain	
LGN	Lagunillas	
LGNH	Le@15oga@12ne	
LGNR	Loginova	
LGOR	La Grande	
LGP	Legaspi	
LGPLA	Lodgepole	
LGPM	Granite Peak	
LGQ	La Grande	
LGR	Logrono	
LGRM	Grenada	
LGS3	Luogosano	
LGSN	Lac de Gras South	
LGT	Lagarterita	
LGTI	Lohaghat	
LGTM	Lightning Creek	
LGUZ	Los Guarumos	
LHA	Lhasa	
LHAH	Las Aradas	
LHBM	Lucas Heights	
LHC	Lakehead University	
LHCM	Hat Creek	
LHD	Little Hoodo Mountain	
LHE	Lhers	
LHEM	Herd Peak	
LHG	La Concha	
LHHM	High Hole Crater	
LHI	Lord Howe Island	
LHIS	Lihir Island	
LHJ1	Lahijan	
LHKM	Mount Harkness	
LHM	Lake Helena	
LHMI	Lhok Sumawe	
LHMM	Hirz Mountain	
LHN	Lillehammer	
LHO	Holmfirth	
LHOM	Hoadley Peaks	
LHS	Liberty Hill	
LHSI	Lahat	
LHU	Lake Hughes	
LHUT	Little Humpy Peak	
LHV	Little Huntoon Valley	
LI-	Liberty	LI-NV
LIA	Limnos Island	
LIB	Langara Island	
LIB1	Thessaloniki Library	
LIBD	Limburg	
LIBE	Liberia	
LIBM	Chiapas	
LIC	Lamto	
LICH	Lichinga	
LICM	Lichinga	
LICR	Limon	
LID	Liddow	
LIENZ	Kamor/St.Gall Rh.T	
LIFNC	LIFOU	
LIJA	Lijar	
LIK	San Giovanni Incarico	
LIKS	Likavka	
LIL	Lille	
LILH	Lima (NY)	
LILI	Casa Pap˜¡s Liliana Troncoso	
LILM	Lilongwe	
LILU	Lilltraesk	
LIM	Lima	
LIM1	Limonal	
LIME	Lime	
LIMH	Limerick	
LIMM	Veracruz	
LIN	Lincoln	
LINO	Lindsay	
LINV	Loch Inver, Assynt	
LI-NV	Liberty	
LIO	Limon	
LIO3	Lioni	
LIOB	Emei	
LIP	Lipkovo	
LIPC	Lipinka	
LIRI	LIRI	
LIRZ	Lichensteins Rd	
LIS	Lisbon	
LISJ	El Lisan	
LIT	Litokhoron	
LITE	Lita	
LITE1	Lita	
LITH	Al Lith	
LITR	Litchfield	
LIV	Leghorn	
LIY	Limay	
LJB	Lovejoy Buttes	
LJBD	Adjabya	
LJC	La Jolla	
LJDO	Lageado - TO	
LJFR	Jufra	
LJI	Lemhi Junction	
LJO	Ljotipollur	
LJS	Tabasco	
LJU	Ljubljana	
LJX	Las Lajas	
LJY	La Joya	
LKB	Lokbatan	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
LKC	Lake Chabot	
LKD	Levkas	
LKD2	Lefkada island	
LKFR	Kufra	
LKG	Breislack	
LKGA	Lookout Mountain	
LKGR	Lake Grace	
LKL	Kirkby Lonsdale	
LKLB	Kalborn	
LKO	Korhogo	
LKP	Lekhapani	
LKR	Lokris	
LKRN	Lenkeran, Azerbaijan	
LKVW	Lakeview	
LKW	Lake Wisdom	
LKWY	Lake	
LL-	Laurel	LL-MS
LL01	San Ignacio de Huinay	
LL02	Futaleuf˜"	
LL03	Petrohue	
LL04	Puerto Octay	
LL05	Los Muermos	
LL07	Hotel Espejo de Luna	
LLA	Llanada	
LLAC	Llano	
LLAH	Lualailua	
LLAV	El Llanito	
LLC	La Lucha Farm	
LLCH	Llolleo	
LLD	Lille Linde	
LLGN	La Laguna	
LLI	Lipari	
LLIC	Llico	
LLJ	Guerrero	
LLKY	Land-Between-the-Lakes	
LLL	Lillooet	
LLLB	Lillooet	
LL-MS	Laurel	
LLO	Longridge	
LLOA	Lloa	
LLP	Lapu-Lapu	
LLRI	Little Lost River	
LLS	Linth-Limmern	
LLW	Llanuwychllyn	
LLY	Lytham Saint Anne's	
LM-	Lake Mead	LM-NV
LM2	Lima (Magdalena)	
LMA	Le Marinel	
LMBQ	La Malbaie	
LMC	Lamocks	
LMCR	Lookout Mountain	
LMD	Lutirano	
LMD1	Lamerd	
LMDM	Medicine Lake	
LMEL	Las Melosas	
LMEM	Manzanita Entrance	
LMF	Le Mans	
LMG	Lamington	
LMGC	Las Mercedes	
LMHM	Little Mount Hoffman	
LMI	Millom	
LMK	Market Rasen	
LML	Lae--Mount Lunaman	
LMM	Maputo	
LMN	Caledonia Mountain	
LMN1	MIRINA LIMNOU	
LM-NV	Lake Mead	
LMO	Lookout Mountain Observatory	
LMP	Lamap	
LMPM	Military Pass	
LMQ	La Malbaie	
LMR	La Mourre	
LMS	Lookout Mountain Observatory	
LMS2	Laimos Florinas	
LMSR	Misrath	
LMT	Lemonthyme	
LMTN	Little Mountain	
LMTZ	Lermontov	
LMU	Lake Mountain	
LMUT	Lake Mountain	
LMW	Ladd Mountain	
LMX	La Mesa Andrade	
LMZ	Lake Moeraki	
LMZM	Manzanita Lake	
LN9	Lone Pine	
LNA	Lyangar	
LNAS	Los Alamitos	
LNB	Las Nubes	
LNC	Lunacharskoye	
LNCH	Linares	
LNCR	Limon	
LND	London (Ont)	
LNF	Linfen	
LNG	Luning	
LNGQ	Gaz Metro	
LNIG	Linares	
LNIZ	Loecknitz	
LNK	Lankaran	
LNKU	Linkoeping	
LNM	Leon	
LN-MA	Lewistown	
LNN	Saint Petersburg	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
LNOR	Lincton Mountain	
LNR	Lonorore	
LNS	Lanslevillard	
LNSK	Leninskoye	
LNSM	East Lansing	
LNSS	Leonessa	
LNV	Longovilo	
LNVN	Lang Ngam	
LNX	Lenox	
LNXT	Lenox	
LNY01	LNY01	
LNY02	LNY02	
LNY03	LNY03	
LNY04	LNY04	
LNY05	LNY05	
LNY06	LNY06	
LNY07	LNY07	
LNY08	LNY08	
LNY09	LNY09	
LNY10	LNY10	
LNY11	LNY11	
LNY12	LNY12	
LNY13	LNY13	
LNY14	LNY14	
LNY15	LNY15	
LNY16	LNY16	
LNY17	LNY17	
LNYS	LNYS	
LO-	Lovelock	LO-NV
LO2	Pahute Mesa	
LOA	Los Alamos	
LOBA1	Barahona	
LOC	Lincoln School	
LOCW	Locke Island	
LOD	Lodumlu	
LODK	Lodwar	
LOE	Loei	
LOEI	Loei	
LOES	Loerrach-Stetten	
LOEW		
LOF	Lofoten	
LOG	Logan	
LOGN	Logan Glacier	
LOH	Wallersheim-Loch	
LOHW	Long Hollow	
LOJ1	Universidad t˜cnica Particular de Loja	
LOK	Lockwood Valley	
LOKY	Lockhart	
LOLA	Los Lagos	
LOM	Lome	
LOMA	San Marcos	
LOMF	Lomont	
LOMO	Loma en Medio	
LOMS	Lomita	
LON	Longmire	
LONT	Longtian	
LO-NV	Lovelock	
LONY	Lake Ozonia	
LOP	Lookout Peak	
LOPE1	Pedernales	
LOPT	Lopu atari	
LOR	Lormes	
LORE	San Lorenzo	
LORF	La Fuente	
LORO	Los Roques	
LORV	San Lorenzo	
LOS	Limnos	
LOSC	Losov	
LOSM	Lostock Dam	
LOSS	Makongolosi	
LOSU	Losuia	
LOT	Lotru	
LOU	Louis Bay	
LOUT	Loutraki	
LOY	Loyalton	
LOZ	Lake Ozonia	
LOZB	Loznitsa	
LP-	La Pryor	LP-TX
LPA	La Plata	
LPAR	Lepanto	
LPAZ	La Paz	
LPB	La Paz	
LPC	La Cumbre Peak	
LPD	Lampedusa	
LPDG	Lampedusa Capo Grecale	
LPDM	Pondosa	
LPEF	Le Peyrat	
LPEL	Lama dei Peligni	
LPF	Le Pertre	
LPG	La Plagne	
LPH	Laupahoehoe	
LPI	Lipari	
LPIG	La Paz	
LPK	Lapseki	
LPL	La Plagne	
LPM	Los Pinos Mountain	
LPMF	Morne Lapointe	
LPO	Le Pouchou	
LPQ	La Pocatiere	
LPR	La Peregrina	
LPS	La Palma	
LPSR	Galich'ya Gora	
LPT	Lampang	
LP-TX	La Pryor	
LPW	Lampeter	
LPX	La Paz	
LPZ	San Calixto	
LQA	La Quiaca	
LQP	Lukban	
LQQ	La Grande 4	
LQT	Los Queltehues	
LR9	Liard River	
LRA	Little Rock	
LRAL	Lakeview Retreat	
LRC	Lone Oak Road	
LRCG	Laurel Creek	
LRCZ	Leaning Rock	
LRDF	Laroque-de-Fa	
LRDM	Redding Peak	
LRDO	Lorado	
LREZ	Lake Rotokare	
LRG	Lorgues	
LRI	Big Lost River	
LRK	Lerik	
LRKT	Look Rock	
LRM	Limekiln Ridge	
LRMC	Laurel Mtn Radio Fac, Ridgecrest	
LRN	Richmond	
LRNS	Lernantsk	
LRO	Larroussi	
LRP	Arpino	
LRQ	La Grande 3	
LRQ1	La Romaine 2 Dam	
LRQ2	La Romaine 2 Dam Dyke F2,	
LRR	Leresti	
LRRC	Littlerock Reservoir	
LRS	Lares	
LRSO	Larissa Observatory	
LRV	Little Rabbit Valley	
LRVF	ch^cteau la Rivi˜œre	
LRW	Lerwick	
LRWS	Lerwick	
LRYF	La Roche-sur-Yon	
LS-	Lisbon (USA)	LS-NH
LSA	Lhasa	
LSCH	La Serena	
LSCT	Lakeside	
LSCZ	Lilico Spur	
LSD	Lago del Serru	
LSDC	Los Osos Digital	
LSF	La Souterraine	
LSH	Leshukonskoye	
LSHF	Shwairf	
LSHM	Sage Hen Hill	
LSI	Little Sitkin Island	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI02	Los Alamos Infrasonic Array Site 2	
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSK	Leskovik	
LSLM	South Lassen	
LSM	Little Skull Mountain	
LSM0	Laboratory Soil Mechanics	
LSM1	Laboratory Soil Mechanics	
LSN	Little Skull Mountain	
LSN4	Lesnoe	
LS-NH	Lisbon	
LSNR	Lesken	
LSNW	Little Sitkin NW	
LSP	Las Mesas	
LSP2	Las Mesas	

Code	Station Name	Other
LSPA	Little Sitkin PP	
LSPF	Lesparou	
LSQ1	Lac Sinclair, Quebec	
LSQQ	Lebel-sur-Quevillon	
LSR	Lussari	
LSRT	Sirt	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LST	Lone Star	
LSTR	Listvyanka	
LSTV	Lastovo	
LSU	Lake Shores	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
LSUT	Lucky Star	
LSVB	Lang Son station	
LSW	Landslide	
LSZ	Lusaka	
LT-	Lewistown	LT-PA
LT1	Stevens Creek	SEC
LT11	Empire Grade Rd	EGR
LT12	Eureka Canyon	EUC
LT13	Angel Island	AGC
LT15	Bear Creek Road	
LT16	Bolinger Road	BGC
LT17	Morgan Territory	MTC
LT18	Palomares Rd	PLC
LT2	St Joseph	SJH
LT3	Portola State Park	
LT4	Stanford	SFT
LT5	La Honda	
LT6	Woodside	WDS
LT7	Menlo Park	MOB
LT8	Coyote Hills	CYH
LT9	San Andreas Lake	
LTA	Leoben	
LTB3	Lajitas B3	TX04
LTBQ	Tobruq	
LTC	Little Chuckwalla Mountains	
LTCM	Tuscan Springs	
LTG	Los Tablones	
LTGO	Lithgow	
LTH	Lepaterique	
LTHK	Lithakia	
LTHS	Al Lith	
LTI	Latouche	
LTIM	Timbered Crater	
LTK	Loutraki	
LTL	Livingston	
LTM	Little Maria Mountains	
LTMT	Little Table Mountain	
LTN	Lennox	
LT-PA	Lewistown	
LTQ	La Grande	
LTR	Lone Tree Road	
LTRA	Loutraki	
LTRP	Tripoli	
LTRR		
LTRZ	Laterza	
LTT	Louis Trichardt	
LTTV	Tivoli	
LTU	Little Mountain	
LTVH	L^tav^rtes, Hungary	
LTW	Los Trancos Woods	
LTX	Lajitas	
LTY	Liberty	
LTZ	Lake Taylor	
LUA	Luanda	
LUB	Lubbock	
LUBP	Lubang	
LUBY	Luby	
LUCF	Luceram	
LUCR		
LUEV	Luepa	
LUG	Luganville	
LUJL	Ujela	
LUK		
LUKA1	Lukmanier-Pass	
LUL	Lundy Lake	
LUMB	Murzuk	
LUMP	Lumpola	
LU-MS	Lumberton	
LUN	Lund	
LUNA	Lae	
LUNU	Lund	
LUPA	Lehigh University	
LUPN	Lupin Mine	
LURI	Luri	
LUS	Lusaka	
LUTC		
LUV	Laichau	
LUWI	Luwuk	
LUX	Luxembourg	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
LV-	Liddieville	LV-LA
LV9	Isola Levanzo	LVI
LVA	Lava Point	
LVAR	Leachville	
LVC	Limon Verde	
LVG	La Victoria	
LVGX	La Villita	
LVI	Isola Levanzo	
LVIA	Vianden	
LVIG	Laguna Verde	
LVK	Lovelock	
LV-LA	Liddieville	
LVMM	Veracruz	
LVN	Las Vegas	
LVNJ	Long Valley	
LVP	Lakeview Peak	
LVR	Liverpool	
LVRI	Lost Valley Reservoir	
LVS	La Villa de Los Santos	
LVU	Levan Peak	
LVV	L'vov	
LVVM	Laguna Verde	
LVW	Las Vegas	
LVY	Levy	
LVZ	Lovozero	
LW-	Lake Wenatchee	LW-WA
LWA	Lower Mag Wash	
LWH	Whinny Nab	
LWI	Lwiro	
LWLI	Liwa	
LWN	416	
LW-WA	Lake Wenatchee	
LXQ	La Grande 3	
LXR	Lexington Reservoir	
LXR1	Lixouri, Cephalonia isl., Greece	
LXRA	Lixouri, Kephalonia	
LYES	Lernapar	
LYJJ	Jianjiangzhen	
LYLS		
LYMT	Lyon Mountain	
LYNC	Lynnwood City Hall ANSS-SMO	
LYNN	Rosslynne Res.	
LYP	Liyang	
LYUB	Lan-yu	
LYW	Lyman	
LY-WA	Lynden	
LZ-	La Paz	LZ-BV
LZB	Mount Lazard	
LZ-BV	La Paz	
LZG	Guadaloupe-1	
LZH	Lanzhou	
LZLA	Zalla	
LZR	Lazarev	
LZRR	Lazarevskoye	
M01C	Crescent City	
M02C	Callahan	
M03C	McCloud	
M04C	Macdoel	
M05C	Lookout	
M06C	Likely Place Golf, Likely	
M07A	Soldier Meadows	
M08A	Happy Creek Ranch, Winnemucca	
M09A	Marrel Ranch, Paradise Valley	
M10A	I.L. Ranch, Tuscararo	
M11A	Holland Ranch, North Fork	
M12	M12	
M12A	Wells	
M13A	Montello	
M14A	Sheep Mountain BLM, Rosette	
M15A	Larsen Ranch, Promontory	
M16A	Huntsville	
M17A	Scullys Gap (BLM), Evanston	
M18A	Lyman	
M19A	Rock Springs	
M20A	Sweetwater, Wamsutter	
M21A	Separation Peak, Rawlins	
M22A	Cedar Creek Ranch, Saratoga	
M23A	Laramie	
M24A	Cheyenne	
M24K	Tolsona, Glennallen	
M25A	Palm-Egli Farm, Albin	
M26A	McRoberts Ranch, Bridgeport	
M27A	Reverse DX Ranch, Oshkosh	
M28A	Bar X Bar Ranch, Keystone	
M29A	Burnside Ranch, Stapleton	
M30A	Dale-Ortello Valley, Anselmo	
M31A	Lambtecht Ranch, Loup City	
M33A	Taylor Creek Farms, Clarkson	
M34A	Aspy Farms, Fremont	
M35A	Neola	
M36A	Felix, Anita	
M37A	Trindle Farm, Earlham	
M38A	Pleasantville	
M39A	Webster	
M40A	Post Highland Seismo, Ainsworth	
M41A	Milan	
M42A	Sheffield	
M43A	Waltham Township, Utica	
M44A	Midewin, Midewin Nat. Tallgrass Prairie	
M45A	Boilermakers Shaker, Crown Point	
M46A	Old House Field, Plymouth	
M47A	Cromwell	
M48A	Edgerton	
M49A	Liberty Center	
M50A	Fremont	
M51A	Elyria	
M52A	Chesterland	
M53A	WI Miller and Sons, Farmdale	
M54A	Oil Creek State Park, Oil City	
M55A	Ridgway	
M56A	Emporium	
M57A	Sunshine Farm, Cogan Station	
M58A	Price's Panorama, Muncy Valley	
M59A	Waymart	
M60A	Port Jervis	
M61A	Granite Springs	
M62A	Hamden	
M63A	Gales Ferry	
M64A	Tiverton	
M65A	Busby, Falmouth	
M66A	Nantucket	
MA1	Montasola	MNS
MA2	Magadan	
MA9	Marino	
MAA	Manantiales	
MAB1	Monte Acero	
MABC	Malibu	
MABD	Mabed	
MABI	Malga Bissina	
MAC	Mark West Springs	
MACA	Manacapuru-AM	
MACC	Macarena, Meta	
MACE	Macas	
MACH	Maria Elena	
MACI	Morro de la Arena	
MACK	Trabzon	
MACM	Macedon	
MACO	Marietta College	
MAD	Madang	
MADF	Madeleine	
MADG	Magdalen Islands	
MADN	Villa Maderas	
MADO	Madoc	
MADS	Madsous	
MAE	Maebashi	
MAEJ	Maebashi 2	
MAF	Mazirat	
MAFI	Mafinga	
MAG	Magadan	
MAG1	Magdalena	
MAGA	Magasa	
MAGC	SCE Magundon Plant	
MAGD	Magdalena	
MAGG	Maguga Dam	
MAGK	Magadi	
MAGL	Barre de l'ile, St louis, Marie Galante	
MAGT	Magosa	
MAH	Mahableshwar	
MAHB	Mahabad	
MAHO	Mahon	
MAHZ	Mahia	
MAI	Maizuru	
MAIG	Mazatlaan	
MAIM	Mastiano	
MAIO	Mashhad (SRO)	
MAIT	Maitri	
MAJ	Maron	
MAJ01	S^£o Jo^£o Batista-SC	
MAJI	Maji Moto Rd	
MAJO	Matsushiro	
MAK	Makhachkala	
MAKA	Makarska	
MAKK	Maki	
MAKM	Makambako	
MAKR	Makrakomi, Fthiotida	
MAKS	Makuyuni S	
MAKT	Makukawa	
MAKU	Maku	
MAKZ	Makanchi	
MAL	Malaga	
MALA	Malamata, Dorida, Central Greece	
MALB	Monte Alegre	
MALC	Bahia Malaga	
MALG	Malagash, Nova Scotia	
MALI	All	
MALJ	Lake Magadi	
MALK	Mahakanadarawa	
MALM	Malindi	
MALO	McAlpine Lake	
MALT	Malatya	
MAM	Mambajao	
MAMC	Mammari	
MAME	Mamelis	
MAMG	Mamou	
MAMI	Mei-Ami	
MAMO	Mamousia	
MAN	Manila	
MAN01	Angra dos Reis-RJ	
MAN1	Correggio Man	
MAN2	Manyara 2	
MANA	Manning	
MAND	Mandvi	
MANI	Manica	
MANM	Veracruz	
MANR	Mangalia	
MANS	Anshas	
MANT	Manisa	
MANU	Manus Island	
MANV	Manamana	
MANY	Mount Airy	
MANYT	Manyoni	
MANZ	Manzenberg	
MAO	Monte Argentario	
MAO1	Mao	
MAOD	Malaho	
MAON	Monte Argentario	
MAP	Mactan	
MAPC	Malpelo	
MAPI	Mapinhane	
MAPV	Macapo	
MAR	Marseilles	
MAR1	Marmaraadasi Cinnet	
MAR2	Marsite Station 2 Hoskoy	
MAR3	Marsite Station Guzelkoy	
MAR4	Marsite Station 4	
MAR5	Marsite Station Ucmakdere	
MAR6	Marsite Station Kirazli	
MAR7	Marsite Station Mursalli	
MAR8	Marsite Station Cinarli Koyu	
MAR9	Marsite Station Marmara Adasi	
MARA	Maracay	
MARB	Ma'rib	
MARC	Maricopa	
MARD	Mardin	
MARE	Marsico Vetere	
MARG	Lake Margaret	
MARH	Ras Al Marh	
MARI	Martimbang	
MARJ	Al Marj	
MARK	Kumluca	
MARL	Marlboro	
MARM	Chiapas	
MARMO	Marston	
MARN	Marana (Italy)	
MARNC	Mare, Loyalty Islands, New Caledonia	
MARP	Paez Belalcazar	
MART	Mareth	
MARV	Martvili	
MARY	Rancho Maria	
MARYW	Marymoor Park	
MARZ	Manawahe	
MAS	Mason Butte	
MASB	Masset	
MASBT	Mashibuluo	
MASC	Masc	
MASH	Mash'abbe Sade	
MASI	Maura Aman, Bengkulu	
MASJ	El Maslubiya	
MASN	Masaya	
MASO	Asolo, Italy	
MASR	Amasra-Bartin	
MASS	Massafra	
MASU	Masugnsbyn	
MAT	Matsushiro	
MAT0	Matsushiro Array Site 0	
MAT1	Matruh	
MATB	Ma-tsu	
MATC	Matruh	
MATE	Matera	
MATF	Mathat	
MATH	Matsumotoyama	
MATI	Mati	
MATL	Matarih	
MATM	Matthews	
MATN	Matagalpa	
MATP	Matopo	
MATQ	Matagami	
MATS	Near Sharaf	
MATTE	Schuetzenmatte (BS)	
MAU	Matua	
MAUBO	Mauborget	
MAUI	Maui	
MAUS	Longido	
MAVI	Loma El Joboban	
MAVM	Malinalco, Edo de Mexico	
MAW	Mawson	
MAY	Mayfield	
MAYB	Maynard	
MAYR	Mayorazgo	
MAYS	Mayak na Mysu Ozernom	
MAZ	Mazatlan	
MAZA	Mabujiaxiang, Xizang Zizhiqu	
MAZI	Mazidag	
MAZR	Mazracia	
MB-	McComb	MB-MS
MBA	Mount Bingar	
MBAR	Mbarara	
MBAT	Mbeya	
MBAZ	Motutapu North Island, New Zealand	
MBBY		
MBC	Mould Bay	
MBDF	Montbardon	
MBEL	Montebelluna (TV)	
MBET	Bethel	
MBFM	Blanchard Fire Station	
MBG	Matouba	
MBGA		
MBGB		
MBGE		
MBH	Mount Berech	
MBI	Menan Buttes	
MBIG	Mexicali	
MBJ	Montego Bay	
MBL	Marble Bar	
MBLB	Minette Bay Lodge, Kitimat, BC, Canada	
MBLG		MLGT
MBMH		
MB-MS	McComb	
MBO	M'Bour	
MBPA	Monroe Substation	
MBRI	Mt Berech	
MBRV		
MBRY		MRYT
MBSI	MBSI	
MBSS		
MBT	Marble Bar	
MBU	Bua	
MBUL	Mbulu	
MBUM	Mount Bullion	
MBUT	Moab	
MBV	Mont Bernier	
MBW	Mount Baker	
MBWA	Marble Bar	
MBWH		
MBZ	Menzel Bouzelfa	
MC-	Mitchell	MC-SD
MC01	Montes Claros	
MC02	Montes Claros	
MC03	Montes Claros	
MC04	Montes Claros	
MC05	Montes Claros	
MC06	Montes Claros	
MC2	Monte Cornaccione	
MCA	Marble Canyon	
MCA2	McAdam 2	
MCA3	McAdam 3	
MCA4	McAdam 4	
MCAB	Moca	
MCAD	Moucha	
MCAR	Mid-South CC	
MCARA	McCarthy VSAT	
MCAS	Mount Castle	
MCB	Moose Creek Bluff	
MCBM	Casa Benchmark	
MCC	Mica Creek	
MCCM	Marconi Conference Center, Marshall	
MCCR	Mono Craters	
MCD	Coleburn Distillery	
MCDM	Chidago Canyon	
MCE	Mica Creek	
MCEL	Monticello	
MCEM	Central Site	
MCG	Mt St Catherine	GRW
MCGN	Macugnaga	
MCH	Masachapa	
MCH1	Michaelchurch	
MCHM	Carson Hill	CRH
MCHV	Machiques	
MCHZ	McNeill Hill	
MCI	Monte Cassino	
MCI6	Montes Claros	
MCI7	Montes Claros	
MCI8	Montes Claros	
MCI9	Montes Claros	
MCID	Moose Creek	
MCIF	Montecalvo in Foglia	
MCIL	McClure	
MCIR	Makushin Cirque	
MCIV	Monte Civitella	
MCJ	Malvern	
MCK	McKinley	
MCKN	MacKay Lake North	
MCL	McNeil River	
MCLT	Moule a Chique	
MCM	McMurdo Sound	
MCMB1	Michelle Canyon Maxwell	
MCMM	Convict Lake	
MCMN	McManaman Lake, Nunavut	

Code	Station Name	Other
MCMT	McKenzie Canyon	
MCN	Mercury	
MCNL	McNeil River	
MCO	Taipa Grande	
MCOR	Cornuda	
MCP	Moca	
MCPB	Macapa, AP	
MCPD	Capo d'Orlando	
MCPI	Mackay Peak	
MCPQ	Mount Cooper	
MCPZ		
MCQ	Macquarie Island	
MCQV	Machiques	
MCR	Mercer	
MCRA	Macarˆ¡, Loja	
MCRB	Monte do Carmo	
MCRR	Mono Craters	
MCRS	Metsamor	
MCRV	Calabrutti - M.te Cervialto	
MCS	Marcus Island	
MC-SD	Mitchell	
MCSJ	Minami-tori-shima	
MCSM	Casa Diablo Hot Springs	
MCSR	Castroreale	
MCT	Mte Cammarata	
MCU	Monte Cristo Peak	
MCUB	Copperopolis Broadband	
MCUM	Copperopolis	
MCV	Mercury	
MCVM	Convict Lake	
MCVT	Middlebury College	
MCVV	Moc Chau	
MCW	Mount Constitution	
MCWV	Mont Chateau	
MCY	Mercury	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD31	MD31	
MD4	Moodus	
MD5	Moodus	
MDA	Mount Davis	
MDAL	Dalia	
MDAR	Monte D'Aria	
MDB	Medias	
MDBI	Mazsada	
MDC	Mount Diablo	
MDCM	Deadman Creek	
MDD	Madrid	
MDG	Madang	
MDGS	Mont de Guillon, France	
MDH	Madha	
MDI	Monti di Nese	
MDJ	Mudanjiang	
MDL	Mandileni	
MDM	Murphy Dome	
MDMP	Dominica, Moore Park	
MDN	Morne-Daniel	
MDND	Maddock	
MDNY	Mudanya-Bursa	
MDO	Dochfour	
MDOK	Medeo	
MDP	Montagnes des Pe@15res	
MDPB	Devils Postpile Broadband	
MDPM	Devils Postpile	
MDPO	Dominica; Chance, Portsmouth	
MDPV	Dominica, Pennville	
MDR	Madras	
MDRJ	Muduarah	
MDRM	Moondarra Dam	
MDRNC	Doe Ridge	
MDRS	Chennai	
MDRV	Mala Drenova	
MDS	Madison	
MDSI	Maura Dua	
MDSJ	Mudaysisat	
MDSM	Mandiavato	
MDT	Midelt	
MDU	Mudurnu	
MDUB	Mudurnu	
MDUM		
MDV	Middlebury	
MDVC	Dominica, Vielle Case	
MDVM	Presa Madin	
MDVR	Moldovita	
MDW	Midway	
MDY	Midway	
MDYM	Dry Creek	
MDZ	Mendoza	
ME-	Merritt	ME-BC
ME01	Mistretta	
ME02	San Fratello	
ME03	Palmi	
ME04	Brognaturo	
ME05	Diga del Menta	
ME06	Antenna a Mare	
ME07	Castell'Umberto	
ME09	Pentidattilo	
ME10	Cittanova	
ME12	Panarea 2	
ME15	Gioiosa Marea	
MEA	Monteagle	
MEAN	Meany Midle School ANSS-SMO	
MEB	Medea	
ME-BC	Merritt	
MEC	Mechernich	
MECC	Mecca Hills	
MECE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MECH	Mejillones	
MECU	Ecuador Network	
MED	Medan	
MEDA	Medicine Hat	
MEDC	Medellin	
MEDO	Medina	
MEDS	Mednyi	
MEDT	Meda	
MEDY	Medina	
MEE	Meerut	
MEEK	Meekatharra	
MEF	Metsahovi	
MEG	Meangora	
MEGN	Megha	
MEGW	Megler CREST BB SMO	
MEH	Mehetia	
MEI	Melilli	
MEIG	Mezcala	
MEJI	Mejillones	
MEK	Meekatharra	
MEKA	Meekatharra	
MEKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MEL	Melbourne	
MELA	Melanico ??? S. Croce di Magliano	
MELE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MELF	Melles	
MELI	Melilla	
MELS	Mels	
MELSS	Ber_school_2	
MEM	Membach	
MEMM	East Mammoth Hills	
MEMT	Mount Ellis	
MEN	Mendoza	
MENA	Menton	
MENF	Mencas	
MENI	Mendum Tagoi	
MENT	Mentasta	
MEO	Meers	
MEP	Mte del Estrado	
MER	Merida	
MERA	Merate	
MERK	Meru	
MERS	Mersin	
MERT	Meerut	
MERV	Las Mercedes	
MES	Messina University	
MES1	Messina Univ.	MES
MES2	Methoni	
MES3	Kyparissia	
MESA	MESA	
MESC	Monte Escuro	
MESG	Mesagne	
MESJ	Messejana	
MESR	Meseseni	
MESS	Mesas	
MEST	Erdemli	
MET	Memphis--Engineering Building	
METK	Mets Parni	
METMA	Mettma DE	
METS	Metsamor	
MEU	Monte Lauro	
MEV	Metsovon	
MEW	McNeil Island	
MEX	Mexico City	
MEZ	Mezhgor'ye	
MEZF	Maizieres J'ville	
MF-	Medford	MF-WS
MF5	Montefalcone Appennino	
MFA	Mitchell Field	
MFAN	Fanzolo, Italy	
MFBM	Five Bridges	
MFCH	Minera del Fierro	
MFF	Saint Martin du Fouilloux	
MFI	Fishrie	
MFID	Camas Ranch	
MFM	Minneapolis	
MFNL	Monte Finestrelle	
MFNN	Fano	
MFO	Meers Fault	
MFP	Moca	
MFS	McCloud Flat South	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MFSM	McCloud Flat S	MFS
MFT	Murefte	
MFTN	Millsfield	
MFTR	Murfatlar	
MFW	Milton-Freewater	
MF-WS	Medford	
MG00	Magoula, Dorida, Central Greece	
MG01	Puerto Williams	
MG02	Cerro Sombrero	
MG03	Isla Dawson	
MG04	Isla Riesco	
MG05	Puerto Natales	
MGA	Milagra Ridge	
MGAB	Montegabbione	
MGAN	Managua	
MGAT		MBGA
MGB	Mount Grey	
MGBA	MARTIN GARCIA	
MGBB	Grossbuechelberg	
MGBR	Mount Gambier	
MGC	Mingacevir	
MGCB	McGee Creek	
MGCD	Mangrove Creek Dam	
MGCU	Grand County Courthouse, Moab, UT	
MGD	Magadan 1	
MGDM		
MGDQ	Mulgrave and Derry, QC.	
MGER	Gerania Oros	
MGG	Marie-Galante	
MGH	Saint George's Hill	
MGI	Mount Gilboa	
MGIO	Monte Giove	
MGJ	Motegi	
MGL	Magalia	
MGLS	Mageik Landslide	
MGM	Magruder Mountain	
MGMO	Mountain Grove	
MGN	Mengen	
MGNA	Meganis„	
MGNC	Mount Gibbes	
MGNR	McGee Canyon	
MGO	Magodro	
MGOD	Makushin Gods Own Repeater Site	
MGOO	Greenacres	
MGOR	Morogoro	
MGP	Maguayo	
MGP1	Megalopolis	
MGPB	Maguayo	
MGPM	Gravel Pit	
MGR	Morigerati	
MGRA	Magara	
MGRD	Malga Garda, Italy	
MGRO	Montegrosso	
MGRS	Mrkonjic Grad	
MGRZ	Megri	
MGS	Middleton Gardens	
MGTN	Margaret Lake	
MGU	Meadow Creek Golf Course	
MGUL	San Miguel	
MGV	Manicaragua	
MGVT	Montgomery	
MGZ	Maungaku	
MH-	Mitchell	MH-NB
MHA	Mahukona	
MHAI	Haid-Arzberg	
MHC	Mount Hamilton	
MHCZ	Mount Hutt	
MHD	Mile High Drive	
MHDL	Marin Headlands	
MHDM	Hidden Dam	
MHEZ	Mangahewa	
MHGZ	Mahia Peninsula	
MHI	Mashad	MAIO
MHISU	ISU Mehedinti	
MHIT	MHIT	
MHJ	Mihama	
MHK	Manhattan	
MHL	Milos	
MHLA	Plaka, Milos Island	
MHLO	Agia Marina, Milos Island	
MHMT	Maesarieng	
MH-NB	Mitchell	
MHPQ	Mount Hope	
MHR	Mount Hamilton Road	
MHS	Mammoth Hot Springs	
MHT	Manhattan	
MHTCO	State Highway 12, Trinidad	
MHTO	MHTO	
MHV	Michnevo	
MHZ	Mount Horn	
MHZQ	Yeshan	
MI20	Yalta	
MIA	Miami	
MIAN	Miandaros Cinnet	
MIAR	Mount Ida	
MIB	Mutribah	
MIC	Michilla	
MICGM	Minsk	
MICH	Michilla	
MICM	Guayabo	
MID	Middleton Island	
MIDA	Miranda	
MIDW	Midway	
MIDY	Mardin/Midyat-Merkez	
MIEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MIF	Mishlifen	
MIGL	Miglionico	
MII	Malini	
MIK	Minitrack	
MIKA	Lake Mikany	
MIKI	Bielsko-Biala	
MIKN	Mikawa	
MIKU	Namanyere	
MIL	Milan	
MILA	Mila	
MILB	Miltenberg	
MILG	Mill City	
MILK	Milimani	
MILM	Milestii Mici	
MILN	Milano	
MILO	Milagro-Astudillo	
MILR	Miller Mountain	
MILT	Milan	
MILZ	Milazzo	
MIM	Milo	
MIN	Mineral	
MINB	Miramichi	
MINR	Mina	
MINS	Minaret Summit	
MIO	Marion Island	
MIOU	Port Miou	
MIP	Matupit	
MIPR	Malaya Ipel'ka	
MIQ	Maniwaki	
MIR	Mirnyy	
MIR01	Medolla (MO)	
MIR02	Mirandola (MO)	
MIR03	Mirandola (MO)	
MIR04	Gavello, Mirandola (MO)	
MIR05	Villa Poma (MN)	
MIR06	Pieve di Coriano (MN)	
MIR07	Ostiglia (MN)	
MIR08	Quarantoli, Mirandola (MO)	
MIRA	Miradouro	
MIRC	Martinez Indian Reservation	
MIRN	Miramar	
MIS	Mishima	
MISD	Mianeh	
MISM	Misima Island	
MIST	Miston	
MISV	Misoa	
MIT	Mito	
MITH	Mitoyo	
MITM	Mitta Mitta	
MIV	Mineville/Witherbee	
MIW	Mizusawa	MIZ
MIX	Mix Canyon Road	
MIY	Miyako	
MIYA	Miryang-si	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIZN	Minamiizu	
MJ00	Matshushiro Site	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJ2	May Junction 2	
MJA0	Matsu Arr-Jizo	
MJA1	Matsu-Toyosaka	
MJA2	Matsu-Nakaone	
MJA3	Matsu-Soehiyama	
MJA4	Matsu-Jizotouge	
MJAR	Matsushiro Array Beam Reference Point	
MJAS	Monjas	
MJB1	Matsu-Takimoto	
MJB2	Matsu-Sugadaira	
MJB3	Matsu-Daira	
MJB4	Matsu-Nakagumi	
MJB5	Matsu-Yatsubo	
MJB6	Matsu-Irikaruiz	
MJB7	Matsu-Wadaira	
MJB8	Matsu-Inaba	
MJB9	Matsu-Tunnel	
MJHT	Jackboy Hill	
MJM	Morne Jacques	
MJMA	Al Majma'ah	
MJMS	Al Majmaah	
MJP	Mount John Pukaki	
MJSI	Majene	
MJW	Madison Junction	
MJZ	Mount John	
MK-	Marked Tree	MK-AR
MK01	Makanchi Array site	
MK02	Makanchi Array site	
MK03	Makanchi Array site	
MK04	Makanchi Array site	
MK05	Makanchi Array site	
MK06	Makanchi Array site	
MK07	Makanchi Array site	
MK08	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
MK32	Makanchi Array site	
MKA	Makaopuhi	
MKAO	Maswa Reserve	
MKAR	Makanchi Array Beam Reference Point	
MK-AR	Marked Tree	
MKAZ	Moumakai	
MKC	Moncks Corner	
MKH	Mauna Kea	
MKHL	Mahalah	
MKI	Maiskii, Chutkotka	
MKIT	Kithairon Oros	
MKJ	Miyake jima	
MKL	Maskali	
MKMT	Mink Peak	
MKN	Medicine Creek Dam	
MKNA	Makna	
MKO	Miyako	
MKPT	Marks Point, NSW, Australia	
MKRE	Bukene	
MKRJ	Makawir	
MKRVA	Milk River, Alberta	
MKRZ	Makatiti	
MKS	Makassar	
MKT	Machtesh Katan	
MKV	Markovo, Chukotka	
MKVL	Makkovik	
MKW	Mikawa	
MKY	Makeyevka	
MKZ	Mys Kozlova	
ML-	Mogollon	ML-NM
ML1	Mono Lake	ML1CL
ML1CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML2CL	Mono Lake	
ML3	Mono Lake	ML3CL
ML3CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML4CL	Mono Lake	
MLA	Malaspina Glacier	
MLA1	Latheron	
MLAC	Mammoth, Mammoth Lakes	
MLAL	Sawyerville	
MLAV	Muong La station	
MLAZ	Malazgirt-MUS	
MLB	Malabar	
MLBA	Muleba	
MLBS	Spotswood, Melbourne	
MLC	Manzanita Lake	
MLCM	Laurel Creek Canyon	
MLD	Malden	
MLDM	Malden	
MLE	Mileto	
MLF	Milford	
MLFH	Mildenfurth	
MLG	Mont-d'or	
MLGT	Long Ground	
MLH	Mauna Loa	
MLHM	Little Hot Creek	
MLI	Malad Range	
MLIM	Lincoln Peak	
MLK	Milford Reservoir	
MLK*	Malo-Kuril'sk	
MLK4	Malkovo	
MLKM	Mammoth Lakes	
MLKS	Milkovo	
MLL	Mill Creek	
MLM	Mesa Lucero	
MLN	Mulungwishi	
MLNI	Malnisio	
ML-NM	Mogollon	
MLNR	Milner Canyon	
MLNT	Millington	
MLOA	Mauna Loa Observatory	
MLON	Marlo Lake	
MLP	Malaspina Glacier	MLA
MLPR	Magueyes Island, Lajas, Puerto Rico	
MLQ1	Kipawa	
MLQ2	Temiscaminque	
MLR	Muntele Rosu	
MLS	Moulis	
MLSB	Milas	
MLSC	Mira Loma	
MLSI	Meulaboh, Aceh	
MLT	Malta	
MLTT	Malatya	
MLV	Malvaux	
MLVB	It Ong	
MLW	Milwaukee	
MLWM	Molesworth	
MLX	Mauna Loa 2	
MLY	Manley	
MLYF	Mely	
MLYT	Lee's Yard	
MLZ	Mavora Lakes	
MM-	McMinnville	MM-TN
MMA	Mummy Mountain	
MMA0	Mount Meron array	
MMA0B	Mount Meron array	
MMA1	Mount Meron array	
MMA2	Mount Meron array	

Code	Station Name	Other
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MMAL	MMAL	
MMAR	Mareno di Piave, Italy	
MMB	Musomiste	
MMB1	Mount Meron array	
MMB2	Mount Meron array	
MMB3	Mount Meron array	
MMB4	Mount Meron array	
MMBI	Montebello Ionico	
MMC	Middle Cape	
MMC1	Mount Meron array	
MMC2	Mount Meron array	
MMC3	Mount Meron array	
MMC4	Mount Meron array	
MMC5	Mount Meron array	
MMC6	Mount Meron array	
MMC7	Mount Meron array	
MMCS	Mount Moriah Church	
MMCZ	Mount Michael	
MME	Monte Cimone	
MME1	Meikle Cairn	
MMG	Magdalena	
MMGO	Monte Magaggiaro	
MMIG	Aquila	
MMIM	Miami Mountain	
MMK	Mattmark	
MML	Mount Malkishua	
MML1	Montelago di Sefro	
MMLB	Mammoth Lakes Knolls	
MMLI	Mount Malkishua	
MMM	Pea Ridge Mine	
MMME	Mongiuffi-Melia	
MMN	Mormanno	
MMNB	Middle Mountain	
MMNY	Mt. Morris Dam	
MMO	Medio Mundo	
MMO1	Montemonaco	
MMP	Mount Mary	
MMPH	Masbate	
MMPI	Merauke	
MMPM	Mammoth Pass	
MMR	Mount Meron	
MMRI	Maumere	
MMS	Matam	
MMSI	Mamuju	
MMSM	Mammoth Summit	
MMT	Marsa Matruh	
MM-TN	McMinnville	
MMU	Miners Mountain	
MMUR	Monte Murano	
MMWM	Mi Wuk Village	
MMY	Middlesmoor	
MN-	Mina	MN-NV
MN3	Montappone	
MNA	Mina	
MNAI	Manna	
MNAS	Manas	
MNAT	Makushin Nateekin	
MNB	Mounoet Dainard	
MNB1	Minab	
MNBS	Baschi	
MNBU	Menbuxiang, Xizang Zizhiqu	
MNC	Moncalieri	
MNCI	Minicoy	
MNCY	Minicoy	
MND	Mandalay	
MNDI	Mendi	
MNDR	Mendeleevo	
MNE	Mineo	
MNFI	Manof	
MNG	Mangahao	
MNGI	Mangalore	
MNGR	Mingechevir, Azerbaijan	
MNH	Munich	
MNHB	New Hogan Dam	
MNHK	Manihiki	
MNHM	New Hogan Reservoir	
MNI	Manado	
MNJ	Mineoka	
MNK	Minsk	
MNKH	Manakhah	
MNKR	ALMNKUR	
MNL	Mangla	
MNM	Minneapolis	
MNMC	Minye Minye	
MNMCX	Minye Minye	
MNN	Minneapolis	
MNNAM	Montana	
MN-NV	Mina	
MNO	Monte Soro	
MNP	Morong	
MNQ	Manicouagan	
MNR	Mines Road	
MNRC	McLaughlin Mine	
MNRI	Mount Meron	
MNS	Montasola	
MNSI	Mandailing Natal	
MNSR	Manas	
MNT	Montreal	
MNT3	Montella	
MNTP	Montappone	
MNTQ	Montreal, Quebec	
MNTT	Montottone	
MNTV	Mantova	
MNTX	Cornudas Mountains	
MNU	Milford North	
MNV	Mina	
MNVA	Monemvasia	
MNVG	Manavgat-Antalya	
MNVS	Mnogovershinnie	
MNW	Monowai	
MNWA	Manchester	
MNY	Monteynard	
MNYS	Manysh	
MNZ	Manzanillo	
MO-	Mountain Home	MO-ID
MO5M		
MO7M		
MO8M		
MOA	Molln	
MOAB	Moab Khotsong	
MOAC	Moa	
MOB	Menlo Park	
MOBB	Monterey Bay OB	
MOBC	Moresby Island	
MOBC2	Moresby, Haida Gwaii	
MOBN	Mombacho	
MOC	Mount Cameroon	
MOCA	Moca	
MOCB	Mochara	
MOCH	Los Molles	
MOCL	Monte Cuccoli	
MOCN	Mocoron	
MOCO	Biccari - m.te Cornacchia	
MOD	Modoc Plateau	
MODE	Modena	
MODR	Mondragone	
MODS	Modra-Piesok	
MODW	Modelwitz	
MOE	Montemor	
MOF	Molkenrain	
MOG	Mogadiscio	
MOGR	Mogosoaia	
MOH	Mohaka	
MOHS	Muhayil	
MOI	Mount Montar	
MO-ID	Mountain Home	
MOIG	Morelia	
MOIN	Puerto Moin	
MOK	Mokapu	
MOKC	Mount Cameroon	
MOKO	MOKOCHONG	
MOKY	Morganfield	
MOL	Molde	
MOLA	ALG	
MOLE	Moliterno	
MOLL	Mollejon	
MOLS	Halavar	
MOM	Momote	
MOMA	Monte Martano	
MOMI	Momias	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOMR	Moma	
MOMT	Monida	
MON	Monaco	
MONB	Balzapamba Montalvo, CascadaMilagrosa	
MONC	Moncucco Torinese	
MOND	CHI Itaipu Binacional	
MONE	Monesi	
MONG	Mongu	
MONJ	Montclair	
MONL	Mont	
MONM	Monmouth	
MONO	Monmouth DOGAMI SMO	
MONP	Monument Peak, Mt. Laguna	
MONP2	Monument Peak TA Vault, Mt. Laguna	
MONQ	Montcuq	
MONR	Mono Valley	
MONT	Ecomontan@16a	
MONV	Montecano	
MOO	Moorlands	
MOON	Moon Mountain	
MOOW	Moose Ponds	
MOP	Monarch Peak	
MOPA	Mopani	
MOPM	Molcaxac	
MOQ	Mont Orford	
MOR	Mori	
MOR1	Moi Rana	
MOR2	Moi Rana	
MOR3	Moi Rana	
MOR4	Moi Rana	
MOR5	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR8	Moi Rana	
MORC	Moravsky Beroun	
MORF	Marmelete	
MORG	Mount Morgan	
MORH	M^‡r^¡gy, Hungary	
MORI	Morici	
MORO	Morrocoy	
MORR	Playas El Morro	
MORS	Morshin	
MORSI	Morsiglia	
MORU	Morshyn	
MORW	Morawa	
MOS	Moscow	
MOS1	Moschato	
MOSH	Moshi	
MOSI	Grossmontoni	
MOSL	Moslavina	
MOSM	Osimo	
MOSO	Mohican School	
MOT	McDonald Observatory	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOTA	Moosalm	
MOTC	Monteria, Cordoba	
MOTN	Model	
MOTP	Motapaya	
MOUT	Mount Ogden	
MOV	Morovis	
MOV1	Cotopaxi Vol south	
MOVZ	Moawhango	
MOW	Moikau	
MOX	Moxa	
MOY	Mondy	
MOYM	O'Byrne Ferry	
MOYN	Moyogalpa	
MOZ	Mahoenui	
MOZS	Mozjanca	
MP-	Mountain Pine	MP-AR
MPA	Moose Pass	
MPAG	Monte Paganuccio	
MPAL	Palemas	
MPAR	Parnis Oros	
MP-AR	Mountain Pine	
MPAZ	Palizzi	
MPDM	Moonee Ponds	
MPEP	Malo Peshtene	
MPG	Monte Pellegrino	
MPGF	Montagnes des Peres	
MPH	Memphis	
MPI	Mount Pinos, Frazier Park	
MPK	Martis Peak	
MPL	Maple valley SMO-IDS24	
MPLH	Magyarpol^¡ny	
MPM	Monte-Pele	
MPMC	Manual Prospect	
	Mine,Trona	
MPNC	Port Mandanici	
MPOM	Morne Pois Martinique	
MPOR	Mary's Peak	
MPP	Mount Pasian	
MPPO	Murphy's Point	
MPPT	Montemurlo	
MPR	Mayaguez	
MPRD	Prada, Italy	
MPRI	Monte Prat	
MPRO	Farra di Soligo, Italy	
MPSI	Mapaga	
MPT	Matupit Island	
MPTV	Morphett Vale	
MPU	Maple Canyon	
MPVT	Montpelier	
MQI	Macquarie Island	
MQLS	MQLS	
MQZ	McQueen's Valley	
MR-	Middleburg	MR-PA
MR01	Monticello Reservoir Site 1	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MR10	Monticello Reservoir Site 10	
MR6*	Monte Rosa	
MRA	San Martin	
MRAK	Mrakovica	
MRAT	Mt Rat	
MRB	Monserrat	
MRB1	Monte Rocchetta	
MRC	Montrose	
MRCB	Reggio Calabria	
MRCM	Red Rock Canyon	
MRCP	Maricao	
MRD	Mojave River Dam	
MRDM	Red Cones	
MRE	Mariestad	
MREF	Refrontolo, Italy	
MREP	Makushin Rep'tr	
MRF	Miraflores	
MRFM	Railroad Flat South	
MRFT	Murafatepe	
MRG	Morgantown	
MRGE	Morge	
MRH	Marewa	
MRHM	Rocky Hill	
MRHQ	Morin Heights	
MRHZ	Matea Rd	
MRI	Mauritius Island	
MRIN	Marion BPA Site DOGAMI SMO	
MRIV	Mauritius Meteorological Services (Vacoas)	
MRJ	Moriya	
MRK	Morioka	
MRKA	Markates	
MRKH	Merkhyat	
MRKJ	Morioka 2	
MRKS	Merke	
MRL	Marmol	
MRLC	Muro Lucano	
MRMA	Marmari	
MRMJ	Muroto Misaki	
MRMT	Marmara Adasi	
MRN	Sint Maarten	
MRN3	Marsico Nuovo (PZ)	
MRNI	Mount Meron	
MRNQ	Morin Heights	
MRO	Meridian	
MROB	Rosenbuehl-Arzberg	
MRP	Merapi	
MR-PA	Middleburg	
MRPI	Mariponipon	
MRR	Muroran	
MRRJ	Muroran 2	
MRS	Maars	
MRSB	Marmaris-Mugla	
MRSI	Marisa	
MRSJ	Marsad	
MRSS	Morshin	MORS
MRT	Murotomisaki	
MRT2	Murotomisaki 2	
MRTI	Martiadasi	
MRVC	Morongo Valley	
MRVI	Mt Valcellina	RCL
MRVN	Minervino Murge	
MRVT	Maraveh tapeh	
MRW	Makara Radio	
MRWA	Morawa	
MRX	Morelia	
MRY	Mary	
MRYN	Mary River	
MRYT		
MRZ	Mangatainoka River	
MRZ1	Merzbaher-Enilchek	
MS-	Montrose	MS-PA
MS1	Monte Sant'Angelo (FG)	
MSA	Mount San Antonio	
MSAB	Monastry St. Andrei	
MSAG	Monte S. Angelo	
MSAI	Masohi	
MSAL	Mont Sano	
MSAR	Manila South	
MSB	Manso	
MSB1	Montesarchio	
MSBB	Schoenbrunner Berg-Wunsiedel	
MSC	Monte Massico	
MSCL	Scilla	
MSCO	Mesa State College	
MSCZ	Moutere Station	
MSDA	Masada	
MSE	Moose Creek	
MSEY	Mahe Island	
MSF	Maaselka	
MSFE	Esma-Masafi	
MSFR	San Fratello	
MSG	Moessingen	
MSGF	Morne Soldat	
MSGN	Moessingen, Sulzgasse	
MSH	Mashhad	
MSH11	Mount St. Helen	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSHA	Masjed Soleyman	
MSHR	Mys Shultsa	
MSI	Messina ING	
MSIR	Sirolo	
MSJ	Mission San Jose	
MSK	Misaki	
MSKJ	Misakubo	
MSKU	Masuku	
MSL	Mosul	
MSL1	Messolongi	
MSLM	Sherwin Lakes	
MSLP	Maasin	
MSM	Mount Sar Shalom	
MSMT	Mission Creek	
MSN	Misono	
MSNA	Messina	
MSNJ	Montclair St. U.	
MSNO	Moosonee Ontario	
MSNY	Massena	
MSO	Missoula	
MSOM	Makushin Julie Andrews	
MSON	Mazon	
MSP	Mount Santo Tomas	
MS-PA	Montrose	
MSPT	Saint Patrick	
MSR	Malnas	
MSRU	Castanea	
MSS	Messtetten	
MSSA	Maissana	
MSSB	Serra Sant'Abbondio	
MSSG	San Giuliano del Sannio	
MSSI	Masamba	
MST	Mostar	
MSTB	Masset	
MSTD	Santandra', Italy	
MSTM	Stent	
MSTX	Muleshoe	
MSU	Marysvale	
MSUEL	Midwestern State University	
MSUT	Lienchiang	
MSV	Monasavu	
MSVF	Nonsavu	
MSW	Makushin Switchbacks	
MSWZ	Moikau Station	
MSZ	Milford Sound	
MT01	Popeta	
MT02	Curacav^›	
MT03	Universidad Adolfo Iba^–ez	
MT05	Renca	
MT09	Talagante	
MT1	Boracho Peak	
MT2	Eagle Mountain	
MT3	Miller Ranch	
MT4	Brite Ranch	
MTA	Mtatsminda	
MTAZ	Motutapu	
MTB	Montebello Ridge	
MTBL	Makushin Table Top	
MTBS	Maitube	
MTC	Morgan Territory	
MTCE	Montecelio	
MTCR	Monte La Croce	
MTD	Mount Darwin	
MTDJ	Mount Denham	
MTE	Manteigas	
MTEO	Meteo	
MTG	Montague Island	
MTGE	Mitogawa	
MTGR	Montagna Grande	
MTH	Montachique	
MTHF	Mouthoumet	
MTHZ	Maungataniwha	
MTI	Mount Irish	
MTI01	Mont Terri (ME Nische)	
MTI02	Mont Terri, (HE Schacht)	
MTI03	Mont Terri (freefield, SED-Schacht NW400, Brunefarine) JU	
MTIG	Mestia	
MTJ	Mount Tsukuba	TSK
MTK	Mitaka	
MTKI	Muara Teweh, Kalimantan	
MTKN	Mount Kenneth	
MTKZ	Martakert	
MTL	Mount Taylor	
MTL1	Matelica	
MTLAZ	Mount Logan	
MTLF	Montolieu	
MTLM	Mount Tassie Tower	
MTLO	Montello	
MTM	Matsumoto	
MTMJ	Matsumoto	
MTMW	Mount Mitchell	
MTN	Manton Dam	
MTNG	Tinghir	
MTNI	Mataram	
MTNS	Mutnovskaya	
MTNZ	Martuni	
MTO	Montecristo	
MTO2	Montecristo 2	
MTO3	Montecristo	
MTOM	Cavaso del Tomba, Italy	
MTOR	TORKOZ	
MTP	Monte Pirata	
MTP1	Motopi	
MTPB	Monte Pirata	
MTPC	Mountain Pass	
MTPM	Central Michigan University	
MTPU	Mount Pierson	
MTQ	Monturaqui	
MTR	Monterey	
MTRD	Mount Read	
MTRZ	Monterenzio	
MTS	Matsue	
MTSA	Monte Escuro	
MTSE	Matsula	
MTSH	Mount Sheppard	

Code	*Station Name*	*Other*
MTSN	Montesano sulla Marcellana	
MTST	Matsu	
MTSU	Mount Surprise	
MTT	Monetta	
MTTG	Motta San Giovanni	
MTU	Montague Island	
MTUM	Tungsten Hills	
MTUR	Matau	
MTUT	Morton Thiokol	
MTV	Mount Tassie	
MTVR	Mutnovka	
MTVZ	Mangateitei	
MTW	Mount Morrison	
MTX	Marathon	
MTY	Matsuyama	
MTZ	Montezuma	
MTZV	Met	
MU-	Mt Baker	MU-WA
MUB	Muncho Lake	
MUCO	Mount Union College	
MUCR	Ucria	
MUD	Monsted U'grnd	
MUDI	Mud Lake	
MUDJ	Muduarah	
MUGIO	Muggio	
MUGL	Yilanlidag	
MUGZ	Murupara	
MUI	Mashhad University	
MUIF	Mont Vial	MVIF
MUJ	Mitsuishi	
MUK	Mukerian	
MUKH	Al Mukha	
MUKL	Al Mukalla	
MUKU	Mukachevo	
MUL	Mullan	
MULA	Mu¯la/Merkez-¯kizce	
MULD	Muldenberg	
MULG	Mulgathing	
MUM	Manipur University	
MUMO	Musselwhite Mine	
MUMZ		
MUN	Mundaring	
MUNC	Munchique	
MUO	Muotathal	
MUP	Murgab	
MUR	Murgab	
MURB	Monte Urbino	
MURC	Murrieta	
MURR	Camp Murray	
MUS	Muskinabad	
MUSH	Mushullacta	
MUSM	Mu¯-Merkez	
MUT	Mudurnu	
MUTC	Mutkov	
MUVB	Co Noi	
MUVC	Mutkov	
MU-WA	Mount Baker	
MUX	Union Juarez	
MUZ	Mutare	
MUZF	Muzaffarabad	
MV-	Marysville	MV-CL
MV-CL	Marysville	
MVCO	Mesa Verde	
MVF	Macchia Valfortore	
MVG	Mesters Vig	
MVH	Mountain View	
MVH1	Achvaich	
MVI	Minamidaito jima	
MVIF	Mont Vial	
MVKY	Maysville	
MVL	Millersville	
MVLT	Maryville	
MVM	Montagne Vauclin	
MVMO	Maryville College	
MVNO	Noumea	
MVO	Moncorvo	
MVOU	Mavrovouni	
MVOV	Montserrat Volcano Observatory	
MVT	Monte Vettore	
MVU	Marysvale	
MVW	Mud Volcano	
MW-	Mattawa	MW-ON
MWA	Mag Wash	
MWAB	Mount Washington	
MWC	Mount Wilson	
MWG	Munster	
MWG1	Mawana Gate	
MWH	Moku'a@18weoweo	
MWI	Montserrat	
MWLHS	Almuwaylih	
MW-ON	Mattawa	
MWPI	Manokwari, Papua	
MWS	Mawashi	
MWSR	Sibiti River	
MWZ	Matawai	
MX-	Manchester	MX-TN
MXC	Moxie City	
MXMB	Maximikha	
MX-TN	Manchester	
MXZ	Matakaoa Point	
MY-	McCrory	MY-AR
MYA	Malataya	
MY-AR	McCrory	
MYAS	Myakit	
MYB	Mayabunder	
MYD	Miyazu	
MYG	Matka	
MYI	Mount Yahel	
MYIG	Me@15rida	
MYK	Miyako zima	
MYKA	Terra Mystica	
MYKOM	Kota Tinggi	
MYKS	Mirrayikh	
MYLAV	Mylavaram	
MYLDM	Lahad Datu	
MYLM	Yosemite Lake	
MYLR	Mylor	
MYNC	Murphy	
MYO	Myokensan	
MYP	Myponga	
MYR	Moyori	
MYRZ	Mayor Island	
MYT	Moyuta	
MYT1	Mytilini	
MYV	Myrviken	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
MZ-	Mount Ida	MZ-AR
MZA	Mariazell	
MZ-AR	Mount Ida	
MZBI	Masada	
MZDA	Masada	
MZE	Maze	
MZEK	Zeckenberg-Ebnath	
MZF	Mazirat	
MZH	Maizuru	
MZH2	Maizuru 2	
MZI	Mizumiiro	
MZLS	Mizel	
MZM	Mzuzu	
MZM2	Mzuzu	
MZO	Mazie Landing	
MZP	Montezuma Peak	
MZR	Muzera	
MZRK	Al-Mazaregh	
MZT	Mikazuki	
MZVM		
MZX	Mazatlan	
MZZ	Mansa	
N001	Pisciano	
N002	Montecucco	
N004	Ronchi	
N02C	Big Bar	
N02D	Trinity Center, CA	
N06A	Buffalo Meadows, Empire	
N07A	Gerlach	
N07B	Gerlach	
N08A	GE Springer Mine, Mill City	
N09A	Rock Creek Ranch, Golconda	
N10	NORSAR Subarray 10C Beam Reference Point	
N10A	Dunphy	
N11	NORSAR Subarray 11C Beam Reference Point	
N11A	Elko Archery Club, Elko	
N12	NORSAR Subarray 12C Beam Reference Point	
N12A	Clover Valley, Wells	
N13	NORSAR Subarray 13C Beam Reference Point	
N13A	Wendover, West Wendover	
N14	NORSAR Subarray 14C Beam Reference Point	
N14A	Grayback Hills BLM, Clive	
N15A	Stansbury Island BLM, Grantsville	
N16A	Rees Ranch, Coalville	
N17A	Moffit Pass	
N18A	Larsen Ranch, Manila	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
N1R1	Vettahaugen	
N1R2	Lillevik	
N1R3	Nordsjona	
N1R4	Lillevand	
N1R5	Hammernes	
N1R6	Dalselv	
N20A	Spence Gulch, Sunbeam	
N21A	Black Mountain, Craig	
N22A	Wattenberg Ranch, Walden	
N23	N23	
N23A	Red Feather Lakes	
N24A	Carr	
N25A	Grover	
N25K	Chitina, Valdez-Cordova	
N26A	Koester Ranch, Padroni	
N27A	Anderson Farm, Haxtun	
N28A	Pribbeno Ranch, Imperial	
N29A	Votaw Ranch, Wellfleet	
N2B1	Tytingvag	
N2B2	Myklebust	
N2B3	Lovikneset	
N2B4	Drage	
N2B5	Haus	
N2B6	Leirgulen	
N2B7	Tytingvag	
N2-NV	Test Site	
N30A	Hueftle Ranch, Cozad	
N31A	Bailey Ranch, Gibbon	
N32A	Stulken Farm, Doniphan	
N33A	J Bar K, Exeter	
N34A	Lincoln	
N35A	Tabor	
N36A	Muff Farm, Clarinda	
N37A	Lee Faris, Mount Ayr	
N38A	Joes South Fork Station, Corydon	
N39A	Derby Farms, Drakesville	
N40A	Mertquake, Salem	
N41A	Harden Midland Farm, Stronghurst	
N42A	Yates City	
N43A	Stutzman Family Farm, Minonk	
N44A	Piper City	
N45A	Kentland	
N46A	Monticello	
N47A	Urbana	
N48A	Decatur	
N49A	Columbus Grove	
N50A	Nevada	
N51A	Ashland	
N52A	McGinn's Farm, Dalton	
N53A	Lisbon	
N54A	Moraine State Park, Portersville	
N55A	Marion Center	
N56A	West Decatur	
N57A	Milroy	
N58A	Sunbury	
N59A	State Game Land 141, Hazleton	
N60A	Cedar Hill Farm, Mount Bethel	
N61A	South Mountain, Millburn	
N62A	Caumsett State Park, Huntington	
N63A	Mattituck	
NA0	NORSAR 1A	NAO
NA11	North Anna	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NAA	Naalehu	
NAB	Nanaimo	
NAB1	NAB1	
NAB2	NAB2	
NAB3	NAB3	
NAB4	NAB4	
NAB5	NAB5	
NAB8	NAB8	
NABD	Nabeyama	
NABI	Nabire	
NAC	Naches	
NACB	Ninganchiao	
NACGM	Naroch	
NADB	Abo Dabab	
NADM	Allendale	
NADR	Nagua	
NADZ	Nadzab	
NAE	Nake (Tuamotu)	
NAF	Naboro	
NAFE	NAFE	
NAG	Nagoya	
NAGA	Nagai Island	
NAGO	Nago	
NAGR	Nagutskaya	
NAH	Naha	
NAH1	Naha	
NAHD	NAHD	
NAI	Nairobi	
NAIG	Nisos Aigina	
NAIL	Nailongxiang, Xizang Zizhiqu	
NAIN	Natchez Trace	
NAIT	NWS Agricenter	
NAIU	Northern Antelope Island	
NAJS	Najran	
NAK	Naxcivan	
NAKO	Nairobi	NAI
NAL	Nallihan	
NALI	Nalia	
NALPS	Val Nalps	
NALS	Nice, Jardin Alsace-Lorraine	
NALY	Nalychevo	
NAM	Namangan	
NAMA	Namatanai	
NAMC	Namche Bazar	
NAMS	An Nimas	
NAN	Nanjing	
NAN01	Guarapari, ES	
NANB	Nanao	
NANL	Nain	
NANO	Nakina Ontario	
NANS	Nanahuazin	
NANT	Nan	
NANU	Nanutarra	
NAO	NORSAR Subarray 1A Beam Reference Point	
NAO00	NORSAR Array Site 01A00	NAO
NAO001	NORSAR Array Site 01A01	
NAO002	NORSAR Array Site 01A02	
NAO003	NORSAR Array Site 01A03	
NAO004	NORSAR Array Site 01A04	
NAO005	NORSAR Array Site 01A05	
NAP	Napay	
NAPC	Atlas Peak	
NAPF	Napfberg	
NAPI	Complesso Universitario Monte Sant'Angelo	
NAPP	Napperby	
NAQJ	Ras En-Naqb	
NAQL	Naqoura	
NAR	Nara	
NAR2		
NARA	Nara (Leontica)	
NARAR	Arar	
NARJ	Nu aruja	
NARM	Nariel	
NARN	Narni	
NARO	Abbazia di Naro	
NART	Narlikuyu	
NARZ	Nor Artik	
NAS	Nasaqa	
NAS1	Nasa	
NAS2	Nasa	
NASE	Paila	
NASN	Na'in	
NAST	IGS Nastaetten	
NASU	Vaermlandsnaes	
NAT	Natal	
NAT1	Nathian	
NATA	Nata	
NATB	Natividade	
NATG	Natashquan Quebec	
NATI	Neve Ativ	
NATM	Nattai	
NATN	Natchez Trace	
NATX	Nacogdoches	
NAU	Nanutarra	
NAV	Narrows	
NAVD	Navidad	
NAWB	Namwon	
NAX	Nakhchivan	
NAX1	Naxos Island	
NAY	Al-Naaiem	
NAYO	Nakonayok	
NAYS	Naiba	
NAZ	Nazwa, Dubai	
NAZA	Ethiopian Broadband Seismic Experiment	
NB-	North Branch	NB-MN
NB2	NORSAR Subarray 2B Beam Reference Point	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NB2S	Katnajur	
NB3	NORSAR Subarray 3B Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NBAN	Anadia - AL	
NBBI	Negara	
NBC1	NorthernBC 1	
NBC2	NorthernBC 2	
NBC3	NorthernBC 3	
NBC4	NorthernBC 4	
NBC5	NorthernBC 5	
NBC6	NorthernBC 6	
NBCA	Caruaru-PE	
NBCL	Cascavel-CE	
NBCP	Cabaceiras do Paraguassu - BA	
NBCP0	Cabaceiras do Paraguassu - BA	
NBD	Nebitdag	
NBEZ	Newall Road North Island, New Zealand	
NBG	Las Nubes	
NBH	North Bay	
NBI	Nairobi	
NBIT	Itapeh - BA	
NBK	Nectar Brook	
NBLA	Lagarto - SE	
NBLI	Livramento-PB	
NBLV	Livramento - PB, Brazil	
NBMA	Muriti-CE	
NB-MN	North Branch	
NBMO	Morrinhos-CE	
NBNS	Bani Suef	
NBO	NORSAR Subarray 1B Beam Reference Point	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NBOR	Nice, Mont Boron	
NBP	Mount Natib	
NBPA	Parau_RN	
NBPB	Pedra_Branca-CE	
NBPM	Berryessa Peak	
NBPN	Ponto Novo - BA	
NBPS	Pedro II - PI	
NBPV	Pedro Velho	
NBRB	Beebe Ranch Broadband	
NBRF	Rio Formoso - PE	
NBRM	Beebe Ranch	BBR
NBS	Nizhniy Bestyah	
NBTA	Tacaratu-PE	
NBW	Neah Bay	
NC2	NORSAR Subarray 2C Beam Reference Point	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC27	ODP1027	
NC3	NORSAR Subarray 3C Beam Reference Point	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC4	NORSAR Subarray 4C Beam Reference Point	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC5	NORSAR Subarray 5C Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC89	ODP889	

Code	Station Name	Other
NC9	NORSAR Subarray 9C Beam Reference Point	
NCA	Nelchina	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NCAT	North Carolina A&T Campus	
NCAU	Nice, cimetiˆ¤re Caucade	
NCB	Newcomb	
NCBC	Barkley Canyon	
NCDM	Cavedale Road	CRD
NCE	Nasa Cotopaxi	
NCEN	NEPTUNE Canada Endeavour node	
NCER	Nice Cerbom	
NCFM	Canfield Road	
NCG	North Capps Glacier	
NCHK	Nachiki	
NCHR	NEPTUNE Canada High Rise	
NCJ	New Castle	
NCK	Nalchik	
NCM	Ninemile Creek	
NCO	Norsar Array Site 01C00	
NCOR	Newberry Crater	
NCRB	Newcastle Ridge	
NCS	Nueva Concepcion	
NCT	North Crescent	
NCU	National Central University	
NCUH	Zhongli	
NCV	Pung Luong	
ND-	Needles	ND-CL
NDA	Nedlands	
NDB	Naden	
ND-CL	Needles	
NDE	Delaikoro	
NDEBA	Dheba	
NDF	Nadi	
NDHM	Dunnigan Hills	
NDI	New Delhi	
NDIM	Novi di Modena	
NDMT	Ninemile Divide	
NDNU	Novodnistrovsk	
NDNU1	Nyshivtsy	
NDNU2	Shebutintsy	
NDNU3	Rozkopintsy	
NDR	Nardaran	
NDT	Datong Township	
NE01	Goteborg	
NE02	Monsted	
NE03	Logumkloster	
NE04	Witteveen	WIT
NE05	Utrecht	
NE06	Dourbes	DOU
NE07	Villiers-Adam	VDM
NE08	Aigurande	
NE09	Les Eyzies	
NE10	Arette	
NE11	Ainzon	
NE11*	La Almunia	
NE12	Valle Caidos	
NE13	Puertollano	
NE14	Granada	
NE15	Valkenburg	
NE16	Clermont-Ferrand	CFF
NE17	Toledo	TOL
NE18	Les Rejaudoux	RJF
NE19		LGR
NE20		ALM
NE21		MTE
NE22		MAL
NE23		FBR
NE24		ALI
NE25		EBR
NE26	Santiago de Compostela	
NE27	Evora	EVO
NE28	Zamora	
NE30	Santa Pau	
NE31	Losser	
NE32	Kootwijk	
NE33		MEM
NE34	Mettingen	
NE35	Billerbeck	
NE36	Bochum	
NE37	Ubbergen	
NE38	Dalfsen	
NE39	Krefeld	
NE40	Winterswijk	
NE41	Zyfflich	
NE42	Fort Lent	
NE51	Saint Petersburg	
NE52	Pskov	
NE53	Naroch'	
NE54	Brest	
NE55	Skvira	
NE56	Odesa	
NE57	Homyel'	
NE58	Poltava	
NE61	Nurmija@14rvi	NUR
NE62	Kangasniemi	
NE63	Kauhava	
NEA	Nenana	
NEA2	Nenana	
NEC	Neuchatel	
NED	Newark	
NEE	Needles	
NEE2	Needles Airport, Needles	
NEEM	North Greenland Eemian Ice Drilling site	
NEER	Neeritter	
NEF	NEVSHA	
NEG	NEGU Pad	
NEGI	Seborga	
NEGR	Negresti	
NEHR	Nehoiu	
NEI	Neipperg	
NEJ	Negril	
NEKE	Ethiopian Broadband Seismic Experiment	
NEL	Nelson	
NELS	Mount Nelson	
NEM	Nemuro	
NEM2	Nemuro 2	
NEMQ	Nemaska	
NEN	Nelson	
NENM1	Neno	
NEO	Neokhori	
NEST	Nestorio	
NEU	Neuchatel	
NEUB	Neuenburg	
NEUQ	Neuquen (mine)	
NEV	Hard Times	
NEVI	Neviano degli Arduini	
NEVR	Nevel'sk	
NEW	Newport	
NEWG	New Galloway	
NEWO	Newport DOGAMI SMO	
NEY	Neytrino	
NEZ	North Egmont	
NFIM	Farallon Islands	
NFK	Norfolk Island	
NFP	NAFPAKTOS	
NFRM		FTR
NG-	Niagara	NG-WS
NGA	Galoa	
NGAL	NGAL	
NGC	Ngoundere	
NGCH	Negor - Chabahar- Iran	
NGH	National Guard	
NGHE	Neginohata	
NGI	Nagai Island	
NGJ	Na-gawa	
NGJA	Assam	
NGJI	Ngawi	
NGL	North Gasline	
NGLR	Nogliki	
NGLS	Nogliki	
NGMR	NGMR	
NGN	Nagano	
NGNA	Nongstoin	
NGO	Nago	
NGO1	Nago	
NGOR	Nagor	
NGP	Nagpur	
NGR	North Grip Drilling Camp	
NGRH	Nagyer	
NGRK	Negar Kerman	
NGRS	Nagornyi	
NGRZ	Ngongotaha	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
NGT	Nagatsuro	
NGVM		GVR
NGWR	NGWR	
NG-WS	Niagara	
NGZ	Ngauruhoe	
NH1	Sanbornton	
NHA	Nha-Trang	
NHB	Bethesda--National Naval Medical Center	
NHBM	Healdsburg	
NHC	New Haven	
NHDH	Xindian District, New Taipei City	
NHDN	Nehbandan	
NHES	Novosibirsk, NHES, Russia	
NHF	Nausori Highlands	
NHIL	New Haven	
NHIM	Nhimo	
NHM	Niihama	
NHMM	Mt Hamilton Road	HMR
NHN	Nahan	
NHR1	Nea Herakleia	
NHRD	Haradh	
NHS	North Hampton	
NHSA	Nikolaevsk School	
NHSC	New Hope	
NHSM	Mount Saint Helena South	
NHW	Xinwu Township	
NIA	Norfolk Island	
NIAN	Nian	
NIB	Nibetsu	
NIC	Nicosia	
NICEF	Mont Chauve - France	
NICH	Los Niches	
NICHA	Nichawak Mountain	
NICO	Nicoya	
NIDE	Nigde/Merkez-Gumusler	
NIE	Niedzica	
NIG	Nigde	
NIHS	Ingelmoor High School	
NII	Niigata	
NIIJ	Niigata 2	
NIK	Nikolski	
NIKH	Nikolski High Hill	
NIKO	Nikolski	
NIKU	Nikkaluokta	
NIKV	Nikolaev	
NIL	Nilore	
NIMB	Iron Mountain	
NIN	Ninilchik One	
NINA	Atacazo Ninahuilca	
NING	Damshung	
NINI	Niniconang	
NIS	Nissan Island	
NIS1	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS4	Nisyros Isl.	
NISR	Nisiros	
NISS		
NIU	Niumate	
NIUE	Niue	
NIW1	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIZ	Nizh Angarsk	
NJ2	Nanjing	
NJD	Zhudong	
NJI	Nanjing	NAN
NJJ	Nii jima	
NJJJ	Nii jima 2	
NJN	Zhunan	
NJOM	Njombe	
NJRNS	Najran	
NJS	Nagarjunasagar	
NJW	Norris Junction	
NKA	Nikishka	
NKB	Nel'koba	
NKC	Novy Kostel	
NKE	Nake	
NKI	Nikolski	
NKK	Na'kalak'ari	
NKL	Nikolayevsk	
NKM	Nakhla	
NKME	Niksic	
NKP	New Kensington	
NKR	Nakanohara	
NKS	Nakayama Pass	
NKT	Nankipoo	
NKY	Niksic	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL2AZ	Nazlini	
NL9	Nola	
NLAI	Namlea	
NL-AZ	Nazlini	
NLC	Nalytchevo	
NLG	Nalgonda	
NLHM	Lake Herman	
NLIB	Nice, Liberation	
NLLB	Nanaimo Lost Lake,BC	
NLM	Maryland--Naval Ordinance Lab	
NLNM		LOC
NLO	Nicolai Mountain	
NLU	North Lily Mine	
NLW	Nelson Butte	
NLWA	Neilton Lookout	
NLY	Nelyaty	
NLYR	Nelyaty	
NMA	Nantucket	
NMA1	Nemea	
NMA2	New Magadan Station 2	
NMAN	Kulet Umm Tiheiwat	
NMC	Nine Mile Canyon	
NMCC	Northern Marianas College	
NMCM		NMC
NMCNC	Mill Creek, Sonoma County	
NMD	New Madrid	
NMEM	New Madrid Sch	
NMEZ	Namu Road	
NMF	Viti Levu	
NMH	New Mexico Highlands	
NMHM	Mount Saint Helena	
NMHZ	Naumai	
NML	Miaoli City	
NMLH	Miaoli	
NMM	New Madrid	
NMMO	New Madrid	
NMN	Nasa Mountain	
NMO	Norman	
NMR	Nemuro--Hokkaido University	
NMS	Namosi	
NMSQ	Nemaska Station	
NMTM	Middletown	
NMUT	North Mineral Mountain	
NMWM	Mark W Springs	MAC
NMXM	Mix Canyon Road	MIX
NNA	Nana	
NNAL	NNAL	
NNJ	Nakano	
NNK	Norton	
NNL	Ninilchik	
NNMR	NNMR	
NNR	Narayananagar	
NNS	Nan Shan	
NNSB	Datong	
NNSH	Datong	
NNT	Nongplab	
NNZ	Nelson	
NOA	NORSAR Array Beam Reference Point	NB2
NOB	Nobeoka	
NOC	Noumea	
NOCG	North-of-Casa	
NOCI	Noci	
NOD	Norderasen	
NODN	Nodinka Narrows	
NOH	Ma'ale Noah	
NOJ	Nojiri	
NOL	New Orleans	
NOLM	Olema	
NOM	Nome	
NONG	Nongkai	
NONO	Nono	
NOP	Nopah Range	
NOQ	North Oquirrh Mountains	
NOR	Nord	
NORC	Norcasia	
NORES	NORESS Array Beam Reference Point	
NORI	Noerdlinger Ries-Bissingen	
NORM	Noumea	
NOSH	Now Shahr	
NOTT	Nottersdorf	
NOU	Noumea	
NOUC	Port Laguerre	
NOUE	Nou	
NOV	Novara	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
NOV4	La Tour-de-Pellz	
NOVE	Novellara	
NOVS	Nova Varos 1	
NOWN	Norman Wells, NWT	
NOWS	NOAA--Sand Point	
NOZ	North Gisborne	
NP-	North Pole	NP-NT
NPA	Nampula	
NPGB	Novo Progresso	
NPH	North Pit	
NPI	North Pocatello Valley	
NPL	Naples	
NPM	North Pahute Mesa	
NPN	North Pahroc Range	
NP-NT	Mould Bay	
NPNY	Mohonk Preserve	
NPO	Eielson Array	
NPOC	North of Pu'u O'o Crater	
NPOR	Nice, Eglise du Port	
NPPZ	NPP	
NPR	Napier	
NPRI	New Reactor	
NPRM	Point Reyes	
NPS	Neapolis	
NPS1	Neapolis Laconias	
NPT	Nicholson Point	
NPZ	New Plymouth	
NQBME	Bureau des Mines et l'Energie	
NQUSE	US Embassy, Port-au-Prince	
NQWLB	Fermate	
NR-	Niobrara River	NR-NB
NRA	North River	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRAU	Nora	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRCA	Norcia	
NRD	Nordlingen	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRDL	Niedersach Riedel	
NRE0	NORESS Array Site E0	
NRFK	Norfolk	
NRGR	Nerungri	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
NRJ	Nirehara	
NRK	Nurek	
NRKZ	NAREK	
NRL	Washington--Naval Research Laboratory	
NRM	North Rainier Mesa	
NRME	Naramoto	
NRMH	Kita-Gairin	
NRMS	Noranda	
NRN	Naryn	
NR-NB	Niobrara River	
NROC	Nice, Saint-Roch	
NRR	North Reno	
NRS	Narsarsuaq	
NRT	Northfield	
NRTH	North beach	
NRTU	Norrtaelje	
NRY	Nirayama	
NRYS	Al Jubail	
NRZ	Ngariki Road	
NSAFS	Ar Rayis	
NSAL	Nisos Salamina	
NSC	North Stonington	
NSC3	Nusco	
NSD	Nasudden	
NSH	Neshkan, Chukotka	
NSH2	Neshkan	
NSHM	Saint Helena Road	
NSI	Nishiizu	
NSIK	Nasik	
NSK	Sanguang	
NSKD	NSKD	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
NSLM	New Salem	
NSLU	Nyzhne Selyshche	
NSM	Shimen	
NSP		
NSPM		SNT
NSR	Nassriya	
NSS	Namsos	
NST	Nakhon Sawan	
NSTT	Nanjuang	
NSU	North Stansbury	
NSW	Nakanosawa	
NSY	Sanyi	
NT-		NT-NV
NT13	Thirsty	
NT2		NT2NV
NT2NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NTBM	Tomales Bay	
NTC	Toucheng	
NTI	Nordman	
NTK	Nunatak	
NTKA	Nootka	
NTLH	Newcastle Hard Rock	
NTLS	Newcastle Soft Rock	
NTMM	Taylor Mountain	
NT-NV	Nevada Test Site	
NTP	Nathian	
NTPM	Mount Tamalpais	
NTS	Ninotsminda	
NTST	Danshui	
NTV	Nha Trang	
NTVD	Natividade - TO	
NTVZ	North Tongariro	
NTY	Taoyuan	
NTYM	Taylor	
NUB		
NUBE	Las Nubes	
NUE	Niue	
NUK	Nuku'alofa	
NUKS	Nukus	
NUM	Numazu	
NUNN	Nunuq Camp, NU	
NUR	Nurmija@14rvi	
NURE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
NURP	Nurpur	
NUT	Nurata	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
NUXM	Nuxco	
NV01	Mina Array Site 1	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	

Code	*Station Name*	*Other*
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV1	North Anna 1	
NV10	Mina Array Site 10	
NV11	Mina Array Sites 11 and 31	
NV2	North Anna 2	
NV3	North Anna 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
NVAR	Mina Array Beam Reference Point	
NVBH	Bath Hotel, Nevis	
NVDO	Nevis, Disaster Management Department Office	
NVL	N'lazarevskaya	
NVLB	Novo Lino, Alagoas, Brazil	
NVLJ	Novalja	
NVNR	Nevinnomyssk	
NVR	Nevrokopi	
NVRH	Round Hill, Nevis	
NVS	Novosibirsk	
NVSII	Novosibirsk	
NVSS	Nova Varos 2	
NVV	Nyvrovo	
NVXV	Nova Xavantina-MT	
NW2	New River	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NWC	North Woods Club	
NWEZ	Newall Road	
NWF	Wu-fen Shan	
NWL	Newcastle	
NWLT	Wulai	
NWR	Narrow River	
NWRL	North West River	
NWRM	Wright Ranch	
NWRT	Kuosheng	
NY14	Universidad de la EARTH en Liberia	
NYA	Nyala	
NYAM	Volcan Nyalulag	
NYC	Charley	
NYDR	Nydri-Lefkada	
NYG	Neryungri	
NYI	Volcan Nyirag	
NYJ	Joshua Tree	
NYK	Nykoping	
NYM	Climax Mine	
NYNU	Nynaeshamn	
NYR	Receiver Site	
NYRK	Nyeri	
NYS	Syncline Ridge	
NYV	Vern	
NZB	Bigte	
NZD	Nezhdaninsk	
NZJ	Naze	
O01C	Eel River Conservation Camp, Redway	
O02C	Red Bluff	
O02D	Mt. Diablo Meridian	
O03C	Acorn Hollow, Los Molinos	
O03D	Paynes Creek	
O03E	Paynes Creek	
O04C	Chester	
O05C	Quincy	
O06A	Flanigan	
O07A	Toulon	
O08A	Rochester Mine, Lovelock	
O09A	Fish Creek Ranch, Battle Mountain	
O10A	Cortez Mining, Crescent City	
O11A	Cowboy Ranch, Jiggs	
O12A	Currie	
O13A	Hicks Ranch, Ibapah	
O15A	The Old Anderson's Place, Rush Valley	
O16A	Springville	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
O19A	Miners Draw (BLM), Jensen	
O20A	White River City	
O21A	Pagoda	
O22A	Kremmling	
O22K	Cooper Landing	
O23A	Lake Granby, Granby	
O24A	Longmont	
O25A	Wiggins	
O26A	Horse Wrangler Ranch, Akron	
O27A	Beecher Island, Eckley	
O28A	Krutsinger Ranch, Parks	
O29A	4D Ranch, Culbertson	
O30A	MW Ranch, Wilsonville	
O31A	Woolen Ranch, Alma	
O32A	Brockman Farm, Red Cloud	
O33A	Hebron	
O34A	Beatrice	
O35A	Humboldt	
O36A	Bolckow	
O37A	Wolven Farm, McFall	
O38A	Galt	
O39A	Kirksville	
O40A	La Belle	
O41A	Passleys Farm, La Prairie	
O42A	Bath	
O43A	Sugar Creek Farm, Atlanta	
O44A	Mansfield	
O45A	Potomac	
O47A	Sheridan	
O48A	Farmland	
O49A	Covington	
O50A	Cable	
O51A	Pataskala	
O52A	Adamsville	
O53A	New Philadelphia	
O54A	Avella	
O55A	Ligonier	
O56A	Blue Knob State Park, Imler	
O57A	Amberson	
O58A	Lewisberry	
O59A	Robesonia	
O60A	Telford	
O61A	Allentown	
O6A	E Barbuda OBS	
OA-	Oahu Island	OA-IS
OA-IS	Oahu Island	
OAK	Oakfield	
OAQ	Quito	
OAR	Oum El Arais	
OAS	Oasis	
OAT	Oat Mountain	
OAUI	Ile-Ife	
OAX	Oaxaca	
OB2NV	Oak Springs Butte	
OB3NV	Oak Springs Butte	
OBA	Oasis-Bungera	
OBB	Obsidian Butte	
OBC	Olympics--Bonidu Creek	
OBER	Oberstdorf	
OBF0	Syolatti, Pyhajoki	
OBF1	El˜visluoto, Pyh˜joki	
OBF2	Ylip˜˝, Raahe	
OBF3	Siikajoki	
OBF4	Vikkela, Lumijoki	
OBF5	Vihanti	
OBF6	Kekaj˜rvi, Ylivieska	
OBF7	Kamusenper˜, Kalajoki	
OBF8	Ulkokalla	
OBG	Obi Garm	
OBH	Olympics--Burnt Hill	
OBHM	Bloomer Hill	
OBI	Obihiro	
OBIP	Obispado Ponce	
OBK	Oberlin	
OBKA	Obir	
OBL	Observatory Ledge	
OBLS	Djebel Bou Ietas	
OBM	Ulan Bator	
OBN	Obninsk	
OB-NV	Oak Springs Butte	
OBO	Obock	
OBOS	Obo	
OBR	Brabster	
OBS	Ocean Bottom Seismometer	
OBSR	Observation Rock	
OBSV	Observatory	
OBY	Ambatonomby	
OBZ	Oban	
OC2	Ocos 2	
OC9	Casamicciola	
OCA	Owens Crossroads	
OCAC	Ocana	
OCBR	Ocara	
OCF	Saint Nazaire	
OCG	Ocos	
OCHM	Cohasset Ridge	
OCHR	Omchak	
OCLP	Ormoc	
OCM	Ochomogo	
OCN	Over Castle Rock	
OCO	Oklahoma City	
OCP	Olym-Cheeka Pk	
OCR	O'Connell Ranch	
OCUV	OCUMARITO	
OCWA	Octopus Mountain	
OD2	Odessa Site #2	
ODAN	Odare	
ODB	Odobesti	
ODBI	Odobesti	
ODD	Odda	
ODD1	Odda	
ODEU	Stanfors	
ODJA	Bouhanifia	
ODK	Oud Koma	
ODNJ	Ogdensburg	
ODS	Odessa	
ODSE	Onioshidashi	
ODZ	Otahua Downs	
ODZI	Dziouia	
OFA	Oficina Alemania	
OFB	Ocean Falls	
OFBG	Offenburg	
OFD	Oued Fodda	
OFFI	Offida	
OFK	Olympics--Forks	
OFR	Olym-F Res Ctr	
OFRI	'Ofer	
OFU	Ofunato	
OFUJ	Ofunato	
OG01	Vacheresse	
OG02	Monnetier-Mornex	
OG03	Samoens	
OG04	La Clusaz	
OG05	Jujurieux	
OG06	Moye	
OG07	Sainte-Reine	
OG08	Commelle	
OG09	Saint-Thibaud-de-Couz	
OG10	Saint-Etienne-de-Cuines	
OG11	Montagny	
OG12	Villaroger	
OG13	Choranche	
OG14	Saint-Maurice-en-Valgodemard	
OG15	Briangon	
OG16	Combovin	
OG17	Prunihres	
OG18	Albannette	
OG19	Saint-Julien-en-Beauchene	
OG20	Riallon	
OG21	Saint-Cripin	
OG22	Abries	
OG23	Tende	
OG24	Aussois	
OG25	Le Caire	
OG26	St.-Nazaire-Desert	OCF
OG27	Meolans	
OG28	Izon-la-Bruisse	
OG29	Digne	
OG30	Villeneuve d'Entraunes	
OG32	Castellane	
OG33	Roure	
OG34	Musihges	
OG35	Corcelles	
OGA	Obergurgl	
OGAG	Argentiere	
OGAUY	Aigu˜¡	
OGD	Ogdensburg	
OGDI	Digne	
OGE	Ogeu	
OGH	Oga	
OGMO	Fort Saint-Gobain, Modane	
OGNE	Ogallala	
OGOM	Van Goodin Ranch	
OGRR	Ongureny	
OGS	Ogasawara	
OGSI	Sixt	
OGSM	Saint Maurice de Rotherens	
OGSO	Ohio Geological Survey, Columbus	
OGTN	Old Graveyard	
OGU	Ogden Bay	
OGWZ	Otaki Gorge	
OHAK	Old Harbor	
OHC	O'Higgins	
OHCM	Honcut	
OHD	Ohdaira	
OHH	Osh	
OHJ	Ohira	
OHLN	Ohlone	
OHM	Omihachiman	
OHO	Hoy	
OHR	Ohrid	
OHRN	Oohira	
OHS	Orange Hill	
OHTN	Owl Hoot	
OHTR	Okhotsk	
OHW	Oak Harbor	
OHWZ	Ohakea	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
OII	Orti	
OILH	Oil house	
OIS	Oishiyama	
OIT	Oita	
OIT2	Oita 2	
OIW	Oiwake	
OIZ	Oio	
OJBR	Djebel Berber	
OJC	Ojcow	
OJD4	Ozhidaevo	
OJEN	Ojen	
OJGS	Djebel Guires	
OJOS	Ojo de Agua	
OK001	Jones High Sch.	
OK002	Wilshire Harrah	
OK003	Hefner Road	
OK004	Okla Sci Mus	
OK005	Luther M School	
OK006	Choctaw High	
OK007	Harrah City Hall	
OK008	Spencer City Hall	
OK009	Oakdale Elementary Sch.	
OK020	N3440 Road, Meeker	
OK021	N3530 Road, Sparks	
OK022	N3560 Road, Prague	
OK023	East Waterloo Road, Luther	
OK024	West corner E0890 Road	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
OKAH	Ooka	
OKAK	Okmok	
OKB	Okabe	
OKC	Ostrava-Krasne	
OKCB	Cheongsan-myeong	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OKCZ	Okains Bay	
OKEB	Okgye-meyeon	
OKER	Okmok East Rim	
OKFG	Magazine Ridge	
OKG	Oak Grove	
OKGL	Djebel Kef Guellal	
OKH	Okha	
OKHR	Okhotsk	
OKHT	Okhotsk	
OKI	Okijuku	
OKID	Okmok Mt. Idak	
OKJL	Djebel Kodjel	
OKL	Od Khalfella	
OKN	Okuno	
OKNC	Okmok New Cone D	
OKP	Okiep	
OKRE	Okmok R'deer Pt	
OKS	Okushiri	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKTD	Tabubil	
OKTU	Okmok Mt. Tulik	
OKWE	Okmok W'ng Wall	
OKWR	Okmok West Rim	
OKY	Okuyama	
OLAR	Ola	
OLAS	OLAS	
OLB	Olbia	
OLC	Olema	NOLM
OLCH	Olmue	
OLDB	Oldbury-Upon-Severn	
OLDS	OLDS	
OLEF	Ile d'Oleron	
OLF	Olofstrom	
OLFT	Oleftalsperre	
OLG	Olintepeque	
OLGA		
OLHC	Oulhaca	
OLIL	Olney	
OLK	Olkaria	
OLKF	Oulanka, Finland	
OLL	Ollague	
OLLA	Las Ollas	
OLMR	Olekminsk	
OLO	Oologah	
OLQ	Olympics--Lake Quinault	
OLT	Olot	
OLW	Olympia	
OLWK	Olkaria West	
OLY	Olyphant	
OLYC	Mount Olympus	
OMA	Omae zaki	
OMCO	Orchard Mesa	
OME	Ometepe	
OMET	Metahra	
OMID	Djebel Midouna	
OMJ	Ohmine	
OMM	Old Mammoth Mine	
OMMB	Old Mammoth Mine - surface	
OMOL	Omolon, Chukotka	
OMP	Cagayan Oro	CGP
OMRZ	Omania	
OMS	Omsukchan	
OMW	Omak	
OMWY	Oxenhope Moor	
OMZ	Oamaru	
ON2	Olympics--North River	
ONA	Onahama	
ONAJ	Iwakimizuishiyama	
ONAU	Onsala	
ONCR	Oncesti	
ONE	Onerahi	
ONF	Office Forets	
ONG	Ongoro	
ONH	Oakhill	
ONHA	San Felipe O˜–a, Saraguro	
ONI	Oni	
ONO	Onokovtsy	
ONR	Olympics--North River	
ONRN	Ngamring, Xizang Zizhiqu	
ONSU	Onsala	
ONTN	Oneida	
ONTNC	Ouen Toro	
ONTR	Ontario (NY)	
ONTRN	Noumea	
OO-	Oslo	OO-NW
OOD	Oodnadatta	
OOM	Omiya	
OO-NW	Oslo	
OOS	Ooshika	
OOT	Ootomari	
OOW	Octopus West	
OPA	Opana	
OPAM	San Salvador	
OPC	Olympic Penn College CREST BB SMO	
OPL	Opal Mound	
OPLO	Oploo	
OPO	Ambohidratompo	
OPP	Oppenau	
OPPE	Oppeano	
OPRZ	Ohinepanea	
OPT	Oil Point	
OR-	Orlando	OR-FL
OR1	Oriolo Calabro	ORI
OR2	Orenburg-2	
OR3	Orenburg-3	
ORA	Oran	
ORAM	Rattlesnake Point	
ORB	Orbe	
ORBT	Orbita	
ORC	Owens River	
ORC1	Okavango Research Center	
ORCC	Oricopia Mountain	
ORCD	Orcadas	
ORCV	Isla La Orchila	
ORD	Ordubad	
ORDF	Ordiarp	
ORDU	Ordu-Boztepe	
ORE	Reay	
OREN	Orenkoy-Mersin	
OR-FL	Orlando	
ORG	Organya	
ORGA		
ORGV	Orgiva	
ORH	Orhaniye	
ORHO	Orleans, Heritage Park	
ORHR	Oreshnoe	
ORI	Oriolo Calabro	
ORIF	Oris-en-Rattier	
ORIO	Orleans, Innes Road, Ontario	
ORIV	Oritupano	
ORJ	Oura	
ORK	Orkelljunga	
ORL	Orlik	
ORLT	Orhaneli	
ORNG	Orange	
ORNO	Orono	
ORO	Oropa	
ORR	Orenburg	
ORT	Oak Ridge	
ORTC	Ortega, Tolima	
ORTS	Orotukan	
ORV	Oroville	
ORX	Oropa	
ORY	Orie	
ORZI	Orzinuovi	
OSA	Osaka	
OSB	Orangeburg	
OSBY	Osborn	
OSC	Orangeburg	
OSC1	CSNet OBS 1	
OSC2	CSNet OBS 4	
OSCH	Osorno	
OSCM	Ostuacan	
OSD	Olympics--Snow Dome	
OSG	Oseberg A Platform	
OSGS	Os	
OSH	Oshima	
OSHJ	Oshima	
OSI	Osito Audit: Castaic Lake Dam, Castaic	
OSIN	Kakessio	
OSK	Osaka	
OSKI	Oschiri	
OSKU	Oskarshamn	
OSL	Oslo	
OSLO	Ohio State University--Lima	
OSM	Ostula	
OSML	Os-Marcillon	
OSMO	Ohio State University--Mansfield	
OSMR	Ostromysovka	
OSMT	Osmaniye	

Code	Station Name	Other
OSNY	Ossining	
OSP	Olympics--Sooes Peak	
OSPF	L'Ospedale	
OSR	Olympics--Salmon Ridge	
OSS	Ova Spin	
OSSF	Osses	
OSSR	Ossora	
OST	Stronsay	
OSTC	Ostas	
OSTM	Stimpson Lane	
OSTU	Oestervaala	
OSUM	Sutter Buttes	
OSUO	Ohio State University	
OSV	Paramo de la Osa	
OSWG	Oswego	
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT006	959, Brant, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT011	OT011	
OT012	7 Observatory Cres., Ottawa	
OT2	Othello	
OT3	Othello 3	
OTAV	Otavalo	
OTAZ	Otara	
OTBB	Blackburn lab bldg12	
OTBM	Table Mountain	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OTGH	Glebe high school	
OTH	Othello	
OTI	Otiai	
OTISU	ISU Olt	
OTK	Orto-Tokoy	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
OTLM	Tlemcen	
OTNM	Canadian Museum of Nature	
OTO	Tongue	
OTP	Otepa	
OTPR	Odiongan	
OTR	Olympics--Tyee Ridge	
OTRO	Otter Rapids	
OTRP	Odiongan	
OTSS	Djebel Tessala	
OTT	Ottawa	
OTTER	Otterbach	
OTUK	Ortayu	
OTVZ	Oturere	
OTW	Orongorongo Tunnel	
OTWM	No. 579 Westminster Ave.	
OTZ	Ortiz Mountain	
OUA	Ouanaham	
OUAO	Ohio University	
OUENC	Ouen Island, New Caledonia	
OUF	Merijarvi	
OUFX	Oulainen	
OUJ	Oujda	
OUK	Oukaimeden	
OUL	Oulu	
OUR	Ouranopolis	
OUT	Outlet	
OUZ	Omahuta	
OUZM	OUZ	
OV1	Vesuviano	OVO
OVA	Ovalau	
OVCH	Ovalle	
OVE	Overton	
OVEH	Oceanview Est	
OVMT	Ovando	
OVO	Vesuviano	
OWA	Owase	
OWAM	Wyandotte	OWYM
OWD	Renai	
OWE	Westray	
OWUT	Old Woman Plateau	
OWYM	Wyandotte	
OXBJ	Oaxaca	
OXD	Oxford	
OXF	Oxford	
OXM	Oxtotitlan	
OXMT	Ox Mountain	
OXX	Oaxaca	
OXZ	Oxford	
OYM	Oyama	
OYT	Oya 1	
OYT2	Oya 2	
OZAP	Van/˜zalp-Merkez	
OZB	Mount Ozzard	
OZC	Ocozocoautla	
OZE	Ozernaya	
OZHR	Ozhidaevo	
OZLJ	Ozalj	
OZOL	Ozolo	
OZRR	Ozero (Kronotsky)	
OZUR		
P01C	Double 8 Ranch, Willits	
P05C	Yuba Gap, Truckee	
P06A	Stead Airport, Stead	
P07A	Fallon	
P08A	Dixie Valley	
P09A	Austin	
P10A	Eureka	
P11A	Circle Ranch, Eureka	
P12A	McGill	
P13A	Bates Ranch, Gandy	
P14A	Drum Mountains (BLM), Topaz	
P15A	Leamington	
P16A	Fountain Green	
P17A	Butcher Ranch, Price	
P18A	Preston Nutter Ranch, Sunnyside	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P20A	De Beque	
P21A	Newcastle	
P22A	Eagle	
P23A	Jefferson	
P24A	Kohler Place, Littleton	
P25A	Willow Gulch Bison Ranch, Deer Trail	
P26A	Davis Ranch, Arriba	
P27A	Ficken Ranch, Kirk	
P28A	Saint Francis	
P29A	Atwood	
P30A	Selden	
P31A	Stockton	
P32A	Huiting Farm, Downs	
P33A	Williams Farm, Concordia	
P34A	Walnut Farm, Randolph	
P35A	Duane Minner, Soldier	
P36A	Good Intent, Atchison	
P37A	Lathrop	
P38A	Dawn	
P39A	Salisbury	
P39B	Salisbury	
P403	Sandy Floe Quarry	
P40A	Paris	
P41A	Barry, Barry	
P42A	Winchester	
P43A	Skaggs, Pawnee	
P44A	Sand Creek, Windsor	
P45A	Graceland, Paris	
P46A	Rosedale	
P47A	Martinsville	
P48A	Milroy	
P49A	Miami Univ. Ecology Research Center	
P50A	Jamestown	
P51A	Williamsport	
P52A	Corning	
P53A	Whipple	
P54A	Burton	
P55A	Reedsville	
P56A	Dayton Farm, Ripley	
P57A	Homestead Farm, Martinsburg	
P58A	Pank, Wackersville	
P59A	Jarrettsville	
P60A	Greenville	
P61A	Hammonton	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
PAA	Panguna	
PAAG	Paamiut	
PAAR	P'arak'ar	
PAB	San Pablo	
PABE	Paberze	
PAC	Palo Alto--Branner	
PAC1	Pacto, Paraˆso	
PACA	Pacayal	
PACB	Port Alice, BC	
PACH	Papudo	
PACHH	PACH	
PACI	Pancar Gunung	
PACM	Arenal	
PACP	Pacheco Peak	
PACT	Alcochete	
PACW	Pacific Creek	
PAD	Padua	
PADA	Padmapur Odisha,India	
PADM	Adeladia	
PAE	Paea	
PAF	Port-aux-Francais	
PAG	Le Parnasse	
PAGB	Antelope Grade	
PAGF	Fort de Pagny la Blanche C¨te (52)	
PAGM	Antelope Grade	
PAGN	Pagan	
PAGS	Pennsylvania Geol. Surv.	
PAGU	Agualva, Azores	
PAGV	Pagan Volcano	
PAGZ	Pagadian	
PAH	Pahoa	
PAHR	Pah Rah Range	
PAHZ	Panekirikiri	
PAI	P Aileron	
PAIG	Paliouri	
PAJ	Port Antonio	
PAJU	Pajala	
PAK0	Pari Array Site 0	
PAKY	Paducah	
PAL	Palisades	
PAL1	Palomo	
PAL2	UHE Estreito - MA/TO	
PALA	Palora	
PALB	Palub	
PALBU	Albufeira	
PALC	Alcoutim	
PALE	Palemas	
PALJ	Aljezur	
PALK	Pallekele	
PALM	Palmichal	
PALN	Palana	
PALO	Palomo	
PALP	Palanan	
PALR	Palma Real	
PALS	Palana	
PALU	Palau	
PALV	Tres Palos	
PALZ	Palazzo San Gervasio	
PAM	Palermo	
PAMA	Santo Amaro	
PAMC	Pamplona, Colombia	
PAMF	Morne Pavillon	
PAN	Panimavida	
PAN1	Panorama	
PAND	Andorre	
PANG	Puerto Angel	
PANH	Panhandle Gap, Mount Rainier	
PANI	Panarotta	
PANIX	Pigniu (Panix)	
PANJ	Princeton	
PANM	San Antonio Reservoir	
PANO	Nakornpanom	
PANR	Panormos, Dorida, Greece	
PANV	Panamint Range	
PAO	Baotou	BTO
PAOL	Paolisi	
PAP	Pandan	
PAPH	Port-au-Prince	
PAPM	Alder Peak	
PAR	Paris	
PAR1	Juara	
PAR2	Brasnorte	
PAR3	Juina	
PAR4	Juina	
PAR5	Porto dos Ga˜chos	
PAR6	Juina	
PARA	Parapanda	
PARAL	Paralimni	
PARB	Paraibuna	
PARC	Parchiule	
PARD	Parod	
PARM	Anticline Ridge	
PARMO	Parma	
PARN	Parndana	
PARR	Paradise	
PART	Garmisch-Partenkirchen	
PARV	Pariaguan	
PARZ	Papamoa	
PAS	Pasadena	
PASA	Karahalli, USAK	
PASC	Pasadena Art Cn	
PASE	Minerbio--Passere	
PASG	PASIGHAT	
PASI	Pasiripis	
PAST	Pastocalle	
PAT	Patras	
PAT1	Patacocha	
PAT2	Paterson 2	
PAT4	Patras	
PAT5	Rio Patras	
PATA	Patacocha	
PATB	Patos, Paraiba, Brazil	
PATCX	Punta Patache	
PATN	Patnagarh Odisha,India	
PATO	Ponte Alta do Tocantins	
PATS	Pohnpei	
PATW	Paterson	
PATY	Pattaya	
PATZ	Paeroa	
PAU	Pauzhetka	
PAULI	Pauline	
PAUV	EL PAUJM	
PAV	Pavia	
PAVA	Las Pavas	
PAWZ	Paruwai Farm	
PAX	Paxson	
PAY	Chiapas	
PAYA	Payao	
PAYG	Puerto Ayora	
PAYL	Puyallup School ANSS-SMO	
PAYV	Puerto Ayacucho	
PAZ	Puerto Azul	
PB-	Parsons	
PB01	IPOC Station PB01	
PB02	IPOC Station PB02	
PB03	IPOC Station PB03	
PB04	IPOC Station PB04	
PB05	IPOC Station PB05	
PB06	IPOC Station PB06	
PB07	IPOC Station PB07	
PB08	IPOC Station PB08	
PB09	IPOC Station PB09	
PB10	IPOC Station PB10	
PB11	IPOC Station PB11	
PB12	IPOC Station PB12	
PB13	IPOC Station PB13	
PB14	IPOC Station PB14	
PB15	IPOC Station PB15	
PB16	IPOC Station PB16	
PBA	Port Blair	
PBAR	Barrancos	
PBC	Punta Burica	
PBCC	Pribram	
PBDV	Barranco-do-Velho	
PBEJ	Beja	
PBF	Porcher Bluff	
PBG	Petersburg	
PBG1	Petersburg	
PBIG	Penon de los Banos, D. F.	
PBIS	Biscoitos	
PBJ	Presa Benito Juarez	
PBKI	Pangkalan Bun	
PBKT	Sadao Pong	
PBMO	Poplar Bluff	
PBNC	Punta Burica Nicaragua	
PBO3	Pozo tres de Borinquen	
PBOI	Pico dos Bois	
PBPM	Bitterwater Pump Station	
PBQ	Poste Baleine	
PBR1	Peterborough	
PBRG	Braganca	
PBRM	Bassetti Ranch	
PBS	Pigeon Bay	
PBSI	Pulau Batu	
PB-TN	Parsons	
PBU	Perry Basin	
PBUR	Paburg˜	
PBV	Petersburg	
PBVM	Pinon	
PBWM	Bitterwater Creek	BTW
PBX	Punta Banda	
PBYM	Bryson	
PC-	Picayune	PC-MS
PCA	Pinnacle	
PCA1	Carrot	
PCAB	Cabril	
PCAL	Alvares	
PCALD	Caldeiras da Ribeira Grande	
PCAM	Castle Mt.	CTM
PCAN	Candelaria	
PCAPE	Capelo, Faial	
PCAS	Casmilo, Condeixa	
PCB	Port Clements	
PCBI	Pancar Batu	
PCBM	Cambria	
PCBR	Castelo Branco	
PCC	Pilarcitos Creek	
PCCM	Crazy Canyon	
PCDR	Punta Cana, DR	
PCED	Cedros	
PCEP	Pierce County East Precinct	
PCF	Pomona	
PCFR	Pierce County Firing Range	
PCG	Pacaya	
PCGM	Cerro Alto Campground	
PCH	Pirque	
PCHF	Pas de la Coche	
PCHI	Peechi	
PCHP	Portachuelo	
PCHR	PETRACHIOAIA	
PCHS	Pakhachi	
PCI	Palu	
PCID	Pole Creek	
PCIG		
PCJ	Portland Cottage	
PCJI	Pacitan	
PCL	Pacheco Lake	
PCM	Pelee Case Petit	
PCMB	Pacaembu	
PCMD	Pierce County Mountain Detachment	
PCMM	Cholame Hills	
PC-MS	Picayune	
PCMT	Pistol Creek	
PCN	Piacenza	
PCND	Candelaria	
PCNE	Platte Center	
PCNG	Congro	
PCNV	San Giusto Canavese	
PCO	Ponca City	
PCOI	Coimbra	
PCON	Cinco Dias	
PCOU	Corrie	
PCP	Piancastagn	
PCPH	Palayan	
PCR	La Plaine Cafres	
PCRM	Curry Mountain	
PCRO	Pietralacroce	
PCRP	Carpino	
PCRV	Puerto La Cruz	
PCRZ	Pico da Cruz	
PCS	Paracas	
PCT	Pak Chong	
PCTB	Pacatuba, Sergipe, Brazil	
PCU	Price	
PCVE	Castro Verde	
PCY	Pole Canyon	
PCYT	Pengchaiyu	
PD-	Princeton	PD-BC
PD01	Pinedale Array Site 1	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD06	Boulder Array	BW06
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD31	Pinedale Array Site 31	PDAR
PD32	Pinedale Array Site 32	
PDA	Ponta Delgada	
PDAR	Pinedale Array Beam Ref. Point	
PDB	Pedro Bay	
PD-BC	Princeton	
PDC	Pieve di Cadore	
PDCR	Pedra do Cavalo	
PDD	Puy-de-Dome	
PDDM	Pindari Dam	
PDEM	Puerto del Eden	
PDG	Podgorica	TTG
PDGK	Podgornoye	
PDHT	Panda Hill	
PDI	Porto d'Ischia	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
PDK	Podkova	
PDKS	Podkum	
PDMC	Merrill Creek	
PDMCI	Parker Dam,Lake Havasu City	
PDMV	Paramo Marino	
PDNS	Pedernales	
PDO	Prodromos	
PDP	Pandan	
PDPR	Patillas Dam, Puerto Rico	
PDRB	Porto dos Ga˜chos, MT	
PDRG	Pedrog??o	
PDRM	Domengine Ranch	
PDSI	Padang	
PDTN	Piedmont	
PDUI	Pindiu	
PDY	Peleduy	
PDY01	Peleduy Array Site 01	
PDY02	Peleduy Array Site 02	
PDY03	Peleduy Array Site 03	
PDY04	Peleduy Array Site 04	
PDY05	Peleduy Array Site 05	
PDY06	Peleduy Array Site 06	
PDY07	Peleduy Array Site 07	
PDY08	Peleduy Array Site 08	
PDY09	Peleduy Array Site 09	
PDY31	Peleduy Array Site 31	
PDYAR	Peleduy Array Beam Reference Point	
PE-	Pineville	PE-WV
PE1	Pezze di Greco (BR)	
PE3	Peglio	
PEA	Pea Ridge	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEAR	Peavine Mountain	
PEB	Petersbachel	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PEBM	Pemiscott Bayou	

Code	*Station Name*	*Other*
PEC	Perris	
PECH	Pedro de Valdivia	
PECO	Prince Edward County	
PECR	Pechory	
PECU	Ecuador Network	
PECV	Mancha de Ca Pechiches	
PED	Pedro Cerda	
PEDR	Pedernales	
PEG	Perugia	PRG
PEH	Beibei	
PEI	Peine	
PEJK	Peje	
PEK	Beijing	BJI
PEL	Peldehue	
PELI	Kastamon˜---Araˆ§	
PEM	Pine Mountain	
PEMC	Merrill Creek	
PEMO	Pembroke	
PEN	Pensacola	
PENC	Penc	
PENI	Pendagan	
PENM	Chiapas	
PENMO	Penman	
PENR	Ponce-Enriquez	
PENT	Pentalofos	
PEO	Puerto Escondido	
PEP	Pantabangan	
PER	Perth	
PER1	Peristeri Attica	
PERF	Col du Perthus	
PERL	Pearl BPA Site DOGAMI SMO	
PERS	Pernice	
PERT	Persembe	
PERV	Siirt/Pervari-Merkez	
PES	Peshawar	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PESA	Pesaro	
PESTR	Estremoz	
PET	Petropavlovsk	
PET01	Itanhaem-SP	
PET1	Petalidi	
PETE	Peter Faust Dam	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PETR	Petresti	
PETRA	Petralia Soprana	
PETS	Petropavlovskoye	
PEUT	Richfield	
PEV	Pleasant Valley	
PE-WV	Pineville	
PEX	Puerto Escondido	
PEXB	Peixe	
PEZE	El Pocito	
PF-	Pickford	PF-MI
PF6	Pievefavera	
PFA	Pierce Ferry	
PFAD	Fenais da Ajuda	
PFAFF	Pfaffnau Reservoir	
PFARO	Faro	
PFAV	Pico das Favas	
PFB	Port Renfrew	
PFBR	Pau dos Ferros	
PFBV	Barranco	
PFCBR	Castelo Branco, Faial, Azores	
PFET	Feteiras	
PFFO	Foia	
PFH	Pahoa Fire House	
PFMC	Merrill Creek	
PFMF	Monte Figo	
PF-MI	Pickford	
PFO	Pinyon Flats Observatory	
PFPE	Pera	
PFR	Pine Flat Road	
PFSB	Sao Bartolomeu	
PFSC	Santa Clara	
PFVI	Vila Bisbo	
PG-	Prince George	PG-BC
PG2BC	Prince George	
PGA	Paragould	
PGAV	Gavieira, Arcos de Valdevez	
PGAZ	Page	
PGB	Panagyurishte	
PGBAU	Baubata	
PG-BC	Prince George	
PGBU	Glenifferbraes	
PGC	Sidney	
PGD	Poggio Sodo	
PGE	Panamint Range	
PGF	Pioggiola	
PGHM	Gold Hill	GHC
PGKAI	Kaiamu	
PGM	Pleasant Grove	
PGMAR	Marapu	
PGN3	Pignola, Italy	
PGO	Gresham	
PGOM	Puerto del Gallo	
PGOR	Pogoanele	
PGP	Puerto Galera	
PGRA	Graciosa	
PGS	Pagosa Springs	
PGVM	Portageville	
PGW	Port Gamble	
PGWM	Grace West	
PGX	Piedras Gordas	
PGY	Peter Gray Mountain	
PGZ	Pongaroa	
PH2NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PHA	Port Heiden	
PHAM	Harlan Ranch	
PHAP	Phaplu	
PHBM	Huron Fishing Bridge	
PHC	Port Hardy	
PHCM	Hearst Castle	
PHDM	Pipehead	
PHEL	Phelps	
PHET	Kaeng Krachan	
PHFM	Heflinger Ranch	
PHG	Guadaloupe-2	
PHGM	Hog Canyon	
PHH	Puu Huluhulu	
PHI	Philadelphia	
PHID	Phidim	
PHIT	Phitsanulok	
PHL	Hel	
PHN	Pohang	
PHNC	Paralimni	
PH-NV	Pahute Mesa Site	
PHO	Puu Honuaula	
PHP	Peshkopia	
PHPM	Hope Ranch	
PHPU	Puebla	
PHRA	Phrae	
PHRM	Hernandez Valley	HVC
PHSA	Palmer High School	
PHSB	Hesperia Broadband	
PHSM	Hesperia	
PHSR	Pinarhisar	
PHUB	P'eng-hu	
PHW	Phalaborwa	
PH-WA	Pomeroy	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PHYB	Yellowpoint	
PI-	Pinedale	PI-WY
PI1	Pinedale	
PI2	Pinedale	
PI2WY	Pinedale	
PI3	Pinedale	
PI4	Pinedale	
PI5	Pinedale	
PI6	Pinedale	
PI7	Pinedale	
PIA	Pitten	
PIAC	Piriac/mer	
PIAM	Paiam	
PIAT	Ana Tenorio	
PIB	Pender Island	
PIC	Picacho Peak	
PICA	Picada	
PICH	Pichilemu	
PICHH	PICH	
PICO	Pico	
PICS	Picacho	
PID	Ribeirinha	
PIE	Pietermaritzburg	
PIED	Piedade	
PIEI	Pieia	
PIER	Pier 30 Seattle	
PIET	Pietralunga	
PIG	Pigeon Point	
PIGN	Pignataro Maggiore	
PII	Pisa	
PIL	Pilar	
PIM	Presa Infiernillo	
PIMB	Pitt Meadows	
PIN	Pinedale	
PINA	Piqa, Costa Abajo de Colsn	
PINB	Pinarbasi	
PINC	Pinares de Mayari	
PINE	Pine Mountain Observatory	
PINI	Pine Creek	
PINM	Pinnacle	PCA
PINNC	Pines Island, New Caledonia	
PINO	Pino	
PINOR	Pine Mountain	
PINP	Pinatubo--East Slope	
PINR	Pinar	
PINT	Los Pintados	
PINU	Pond Inlet	
PIO	Pinotepa	
PIO1	Pioraco	
PIOH	Piqua	
PIORA	Tunnel	
PIP	Pasuquin	
PIPA	Pietrapaola	
PIR	Pirmasens	
PIR1	PIREAS,	
PIR2	Faliron Pireas	
PIR3	Pireas	
PIRH	Pier house	
PIRM	Iverson Ranch	
PIS	Pisa	
PIS1	Pisayambo	
PISA	Pisayambo	
PIT	Pittsburgh	
PITA	Cotopaxi Volc (N)	
PIU	Piute Mountains	
PIV	Piva	
PIVM	Indian Valley	
PI-WY	Pinedale	
PIZC	Pizarro, Choco	
PJC	Pensacola State College	
PJD	Pedro Dome	
PJG	Potts Junction	
PJLM	Jolon Road	
PJ-PA	Pottstown	
PJRM	Jolon Road	JOL
PJUM	Juniper Ridge	
PK-	Pilot Rock	PK-OR
PK1	Gold Hill	GHC
PK2	Work Ranch	WKR
PK3	Taylor Ranch	TRC
PKA	Prieska	
PKC	Peckham Road	
PKCU	Pink Cliffs	
PKD	Bear Valley Ranch, Parkfield	
PKD1	Parkfield	
PKDT	Phuket	
PKE	Pukeiti	
PKEM	Kettleman Hills	
PKF	Parkfield Array	
PKGZ	Pakihiroa	
PKH	Park Hill	
PKI	Pulchoki	
PKIN	Phulchoki	
PKK	Porkkala	
PKKI	Palangkaraya	
PKKY	Potato Knob	
PKL	Puu Kaliu	
PKLM	Kerr Lake	
PKLO	Pickle Lake	
PKM	Mcpherson Peak, Los Olivos	
PKME	Peaks-Kenny Pk	
PKN	Parkers Pond	
PKNC	Pores Knob	
PKNY	Stone Ridge	
PKO	Pickens	
PK-OR	Pilot Rock	
PKR	Le Roux Dam	
PKRO	Pickering	
PKS2	Kecel	
PKS6	Bocsa	
PKS7	Kunszentmiklos	
PKS8	Sarbogard	
PKS9	Tamasi	
PKSC	Csakvar	
PKSG		
PKSM	Moragy	
PKSN	Nyarlorinc	
PKST	T˜'s	
PKT	Phuket	
PKVZ	Pokaka	
PKYU	Pakayacu	
PLA	Palau	
PLA1	Pilaia Thessaloniki	
PLAC	Placanica	
PLAGO	Lagos	
PLAI	Plampang	
PLAL	Pickwick Lake	
PLAR	PLOIESTI	
PLAT	Plata	
PLAV	Platillon	
PLAY	Playas-San Antonio	
PLAZ		
PLBC	Pleasant Camp	
PLBL	Peulik Blue Creek	
PLC	Palomares Road	
PLC1	Palaiochora Chania	
PLCA	Paso Flores	
PLCV	Puerto La Cruz	
PLD	Plovdiv	
PLDF	La Plantade	
PLE	Pljevlja	
PLEC	Pleito Hills	
PLG	Polygyros	
PLH	Pulheim	
PLI	Panarea	
PLI2	Pozzilli	
PLID	Pearl Lake	
PLIG	Platanillo	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLKI	Palangkaraya	
PLL	Puu Ulaula	
PLLN	Pollina	
PLM	Palomar	
PLMA	Palmaria, Porto Venere	
PLMC	San Jos˜' del Palmar, Chocˆ‡	
PLMI	Pala-Maneri	
PLML	Palmela	
PLMR	Palmer	
PLN	Plauen	
PLN1	Chaniotis	
PLO	Pochutla	
PLOM	Lone Oak Road	LRC
PLONS	Plons/SG	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PLOR7	Plostina	
PLOU	Loures	
PLP	Palo	
PLR	Palermo	
PLR1	Paliouri	
PLRM	Palmer USGS	PMR
PLRO	Paularo	
PLS	Point Lisas	
PLT	Pilot Knob	
PLTB	Pedras Altas	
PLU	Palu	
PLUM	Mont Dore	
PLUZ	Luz	
PLV	Phu-Lien	
PLVA	Point Lookout	
PLVAM	Vidin	
PLVB	Pleven	
PLVO	Plevna	
PLVR	Palo Verde	
PLWL	Peulik Whale Mountain	
PLWZ	Palliser	
PLY	Plymouth	
PM-	Pole Mt.	PM-WY
PMA	Port Moller	
PMAFR	Mafra	
PMAN	Manadas	
PMAR	Madeira	
PMAT	Coroa da Mata	
PMB	Pemberton	
PMBI	Palembang	
PMC	Poorman Mine	
PMCB	Calebasse	
PMCH	Puerto Montt	
PMCM	McMillan Canyon	
PME	Palmer East	
PMG	Port Moresby	
PMGM	Santa Margarita	
PMGR	Mogosoaia	
PMJU	Montehunto	
PMK	Pointe Molloy	
PML	Morne Lenard	
PMLM	Mount Lospe	
PMM	Presa Malpaso	
PMMC	Merrill Creek	
PMN	Pahute Mesa	
PMNB	Patos De Minas	
PMO	Pomariorio	
PMON	Piamonte	
PMOR	Pomariorio Reef	
PMOZ	Porto Moniz, Madeira	
PMP	Pompeii	
PMPB	Monarch Peak	
PMPM	Monarch Peak	MOP
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PMR	Palmer	
PMRF	Poiana Mare	
PMRM	Maxey Ranch	
PMRV	Marv??o	
PMS	Palmer South	
PMSA	Palmer Station	
PMSI	Majene	
PMST	Lisbon--Monsanto	
PMSU	Muirshiel	
PMT	Pine Mountain	
PMTG	Montargil	
PMV	Pico Espejo	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PN-	Pine Creek	PN-OR
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PNA	Partacoona	
PNB	Pomio	
PNBI	Panbari	
PNC	Pine Canyon	
PNCL	Nicolau / Grandola	
PNDA	Mpanda	
PNG	Penghu	
PNH	Pitcher Mountain	
PNHZ	Pukenui	
PNI	Pinerolo	
PNIG	Pinotepa	
PNJ	Paterson	
PNK	Pinkham Creek	
PNL	Peninsula	
PNLK	Pine Lake Middle School	
PNMC	Pinto Mountains	
PNME	Penonome	
PNN	Pinnacle Mountain	
PNO	Pendleton	
PN-OR	Pine Creek	
PNP	Penuelas	
PNPO	Pukaskwa National Park	
PNR	Penrod	
PNS	Penas	
PNSH	Pansheti	
PNT	Penticton	
PNTR	Pine Nut	
PNVM	Presa Marin	
PNY	Plattsburgh	
PNZ	Plattsburgh	
PO-	Post	PO-TX
PO9	Polino	POI
POA	Poas	
POA2	Poas 2	
POA5	Poas 5	
POAT	Poatina	
POB	Polly Butte	
POB1	Observatory	
POBI	Pontebba	
POBL	Monestir Poblet	
POBM	Portage Bay	
POC	La Pocatiere	
POCA	Pocatky	
POCCA	Poleta Canyon	
POCR	Potenciana 2	
POCW	Po˜¡tky	
POE	Porton East	
POF	Pofadder	
POFI	Posta Fibreno	
POG	Pongola	
POGA	Pongola	
POGM	Potrero Grande	
POGR	Pogradec	
POH	Pohoiki	
POHA	Pohakuloa	
POHV	Veracruz	
POI	Polino	
POK	Puuokali	
POKR	Poker Plat Research Range	
POL	Pola	
POL1	Poligiros	
POLC	Polcenigo	
POLL	Polichno	
POLO	Lamas de Olo	
POLP	Polilio Island	
POM	Pomona	
POMOR	Pomortsevo, Kuzbass, Russia	
PON	Ponce	
POND	Pondoa	
PONG	Pong	
PONT	Pont de Suert	
PONY	Stone Ridge	
POO	Poona	
POOP	Poopo	
POP	Popondetta	
POPB	Porto Primavera	
POPC	Popayan, Colombia	
POPM	Popiglio	
POPR	Popesti-Leordeni	
POR	Portland	
PORA	Boryeong	
PORM	Chiapas	
PORP	Portuguez	
PORT	Chimborazo Volcano	
POS	Porton South	
POSS	Possen	
POT	Potsdam	
POTR	Potrero Hills, Fairfield	
POTS	Potsdam Coll	
POTV	Potrerito	
PO-TX	Post	
POU	Pouilloux	
POW	Powhatan	
POWD	Powder case	
POWZ	Post Office Road	
POZO	Pozo Almonte	
PP-	Pipestone	PP-MN
PP02	Calachota	
PP03	Condor	
PP04	Saramarca	
PP05	Tocota	
PP06	Puquio	
PP07	Ayacucho	
PP08	Chalhuanca	
PP09	Villa El Salvador	
PP10	Ancon	
PP16	Cajamarca	
PP1B	Ponte de Pedra	
PPA	Pie de Palo	
PPAD	Pico dos Padres	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	

Code	Station Name	Other
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
PPBI	Pangkal Pinang	
PPC	Pine Pass	
PPCY	Paphos	
PPD	Presidente	
PPDR	Puerto Plata	
PPE	Popeni	
PPF	PLOIESTI	
PPFM	Parkfield Array	PKF
PPH	Pasian Peak	
PPHYL	Hylton High School	
PPI	Padang Panjang	
PPK	Piper Mountain	
PPL	Puu Pili	
PPLA	Purkeypile	
PPLM	Point Pleasant	
PPLP	Puerto Lˆ‡pez	
PPM	Popocatepetl	
PP-MN	Pipestone	
PPN	Papenoo	
PPNM	Papanoa	
PPNO	Prainha do Norte	
PPO	Portuguese Canyon 2	
PPOM	Papayo	
PPOR	Portimao	
PPR	Puerto Princesa	
PPRM	Paso Robles	
PPS	Pierpont	
PPS1	Pattan	
PPSA	Petersburg Public Schools	
PPSI	Pulau Pagai	
PPT	Papeete	
PPT2	Papeete2	
PPTF	Pamatai, Papeete	
PPTM	Peach Tree Valley	PTV
PPU	Promontory Point	
PPXB	Puerto Pe˜–asco	
PPZ	Puysegur Point	
PQ0	Cooper Hill	
PQ1	East Ridge	
PQI	Presque Isle	
PQ-ID	Preston	
PQL	Pirkuli	
PQN	Pahaquarry	
PR-	Palmyra I.	PR-IS
PR01	Verghereto (FC)	
PR02	Localitˆ Poggio-Vacaldola (Sant'Agata Feltria RN)	
PR05	Cuzco--Tambomachay	
PR0R	Verkhnechusovskiye Gorodki	
PR1R	Pomanovo	
PR2R	Dobryanka	
PR3R	Kungur	
PR4R	Vlasy	
PR5R	Perm'	
PR6R	Ekimyata	
PR7R	Sarany	
PRA	Prague	
PRAC	Prado	
PRAF	Pradon	
PRAM	Casa Patricio Ramon - Quito	
PRAR	RASCA	
PRAV	El Prado	
PRC	Point Reyes	
PRCH	Ribeira Ch	
PRCM	Roach Canyon	
PRD	Provadia	
PRDA	Priddis	
PRE	Pretoria	
PRE2	Preveza	
PRED	Cave del Predil	
PREZ	Palmer Road	
PRF	Porvoo	
PRF0	Thessaloniki Prefecture D.H.	
PRF1	Thessaloniki Prefecture	
PRF2	Region of Thessaloniki	
PRG	Perugia	
PRGF	Pas du Roy	
PRGR	Permogore	
PRGV	PARIAGUAN	
PRGZ	Paritu Road	
PRHZ	Porangahau	
PRI	Priest	
PRIJ	Prijedor	
PRIN	Princeton	
PR-IS	Palmyra Island	
PRJ	Port Royal	
PRK	Paraskevi	
PRL	Portalegre	
PRLK	Prince Lake	
PRLS	Pirkuli	
PRM	Parsons Mountain	
PRMA	PARMA	
PRN	Pahroc Range	
PRNI	Paran	
PRNN	Paranan	
PRNS	Prines Rethymno	
PRNT	Paranatinga-MT	
PRNY	Paleo Inst,Ithaca	
PRO	Pesaro	
PROD	Prodromos	
PROV	Provideniya	
PRP	Porcupine Dome	
PRPB	Parauapebas	
PRR	Perris	
PRRZ	Plateau Road	
PRS	Paraiso	
PRS1	Puriscal	
PRSB	Persembe-Ordu	
PRSC		
PRSN	Puerto Rico Seismic Network	
PRST	Prospect	
PRT	Prato-Toscana	
PRTR	Priterechnaya	
PRU	Pruhonice	
PRV	Porvoo	
PRVC	Isla de Providencia	
PRVR	Provideniya	
PRVS	Prvonek	
PRW	Prosser	
PRWZ	Pori Road	
PRY	Parys	
PRYA	Perryville	
PRYF	Perigny	
PRYS	Parys	
PRZ	Przheval'sk	
PRZA	Preza	
PRZK	Prizren	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
PS1	Pesaro	PRO
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PSA	Petersburg	
PSA00	Pilbara Seismic Array Element 00	
PSA1	Psathopyrgos	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
PSAM	San Ardo	
PSAN	Santo Antonio	
PSARO	Psaromita, Dorida	
PSB1	Pescosannita	
PSBA	Serra de Santa Barbara	
PSBE	Sˆ£o Bento	
PSBMU	Warwick Parish	
PSC	Isla de Pascua	
PSCH	Puerto Saavedra	
PSCM	Serra do Cume	
PSD	Pescadero	
PSDA	Pessada-Kefalonia	
PSDB	Penn State University - DuBois	
PSDMA	Soufriere	
PSDMB	Cotton Hill	
PSDMZ	Portsmouth	
PSEM	See Canyon	
PSET	Sete Cidades	
PSF	Port Stanley	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
PSGC	Pisagua	
PSGCX	Pisagua	
PSH	Peshawar	
PSHM	Shandon	
PSI	Prapat	
PSL	Pistoia	
PSM	Palmasola	
PSMA	Santa Maria	
PSMM	Smith Mountain	
PSMN	Pico do Norte, Sta. Barbara	
PSN	Preselentsi	
PSNM	Stone Corral	
PSNS	PSNS Bremerton SMO	
PSO	Pasto	
PSP	Palm Springs	
PSR	Paul Sauer Dam	
PSRA	Psara	
PSRC	Puddingstone Reservoir	
PSRM	Scobie Ranch	
PSRV	Vialonga--Serves	
PSSC	Serra do Socorro	
PST	Pasture Canyon	
PST3	Postiglione	
PSTM	Stockdale Mountain	
PSUB	Penn St. - Brandywine Campus	
PSUR	Point Sur Hydrophone	
PSUT	Pine Spring	
PSV	Pishtovo	
PSVI	Cabo S. Vicente	
PSVT	Puntarenas	
PSWB	Penn State Wilkes-Barre	
PSZ	Piszkesteto	
PT-	Pendleton	PT-OR
PT01	Morro Solar	
PT02	Quilmana	
PT03	Guadalupe	
PT04	Zamaca	
PT05	Jicamarca	
PT06	Pisco	
PT08	Suche	
PT09	Santa Fe	
PT10	Camacho	
PT11	Juni	
PT18	Porculla	
PT2	Point Dume	
PT20	Maychil	
PT21	Montanita	
PTA	Punta Arenas	
PTAC	Punta Ardita, Chocˆ‡	
PTAM	Tassajara Creek	
PTAV	Tavira	
PTB	Point Barrow	
PTBC	PUERTO BERRIO, Antioquia	
PTC	Porto Cannone	
PTCA	Ponta do Capelo	
PTCC	Patocco-Chiusaforte	
PTCH	Petorca	
PTCL	Port Clarence	
PTCN	Pitcairn Island	
PTCO	Port Colborne	
PTCR	Potenciana	
PTD	Portland	
PTE	Portage	
PTEI	Pico do Teixo	
PTEN	Parque Tenorio	
PTEO	Sao Teotonio	
PTF	Prato	
PTG	Portageville	
PTGA	Pitinga	
PTGB	Pitanga	
PTGC	Puerto Gaitan, Meta	
PTGL	Punta Galera	
PTH	Pithoragarh	
PTI	Pocatello Creek	
PTJ	Puntijarka	
PTJ1	Puerto Jimˆnez	
PTK	Pertek	
PTKI	Pontianak	
PTL	Penteli	
PTLB	Pontes e Lacerda, MT	
PTLC	Puerto Leguizamo, Putumayo	
PTM	Pietermaritzburg	
PTMB	Porto Murtinho	
PTMD	Pantelleria Cuddia di Mida	
PTMZ	Houxiangcun	
PTN	Potsdam (NY)	
PTNS	Petnica	
PTNY	Frank Revetta Observatory, Potsdam, NY	
PTO	Porto	
PTO1	PtolemaidA	
PTOM	Tomar	
PTOPO	Topo S. Jorge	
PT-OR	Pendleton	
PTP	Ponta Puerca	
PTP1	Petroterminal	
PTPK	Patty Peak	
PTPR	Partapura	
PTPS	Port Pirie	
PTQR	Pietraquaria	
PTR	Peterson	
PTRD	Partlow Road	
PTRJ	Pietraroja	
PTRM	Twissleman Ranch	
PTRP	Pietrapertosa	
PTS	Pantelleria	
PTSB	Yuanli	
PTT	Piatra Neamt	
PTTC	Pingtan	
PTU	Portage	
PTV	Peach Tree Valley	
PTVM	Pico Tres Padres	
PTYM	Taylor Ranch	TRC
PTZ	Petauke	
PU-	Purvis	PU-MS
PUAC	Puerto Asis, Putumayo	
PUB	Puale Bay	
PUC	Pucallpa	
PUCA	Punta Cana	
PUCM	Santiago	
PUCR	Pucara	
PUE	Puebla	
PUEL	Puelo Alto	
PUEX	Pudahuel	
PUH	Pauahi	
PUJ	Puerto Jimenez	
PUK	Puka	
PUL	Pulkovo	
PULI	Pulasari	
PULU	Pululahua	
PUMA	Malargue	
PU-MS	Purvis	
PUN	Puno	
PUNE	Pune	
PUNG	Punghina	
PUP	Pupakea	
PUR	Purari	
PURC	Volcan Purace	
PURM	Purcari	
PUS	Pusan	
PUSN	Pusma	
PUT	Punta Talca	
PUTN	Putnam	
PUU	Piute Reservoir	
PUV	Pulaski	
PUVA	Puert Vallarta	
PUYE	Entre Lagos	
PUYF	Puyloubier	
PUYI		
PUYO	Puyo, Santa Rosa	
PUZ	Puketiti	
PV-	Perryville	PV-AR
PV01	Paradox Valley	
PV02	Paradox Valley	
PV03	Paradox Valley	
PV04	Paradox Valley	
PV05	Paradox Valley	
PV06	Paradox Valley	
PV07	Paradox Valley	
PV08	Paradox Valley	
PV09	Paradox Valley	
PV10	Paradox Valley	
PV11	David Mesa, Paradox Valley	
PV12	Saucer Basin, Paradox Valley	
PV13	Radium Mtn., Paradox Valley	
PV14	Lion Creek, Paradox Valley	
PV15	Paradox Valley	
PV16	Nyswonger Mesa	
PV17	East Wray Mesa	
PV18	Skein Mesa, Paradox Valley	
PV19	Morning Glory Mine	
PV20	West Nyswonger Mesa	
PV21	Cone Mtn., Paradox Valley	
PV22	Blue Mesa, Paradox Valley	
PV23	Carpenter Ridge	
PV6*	Piano Vulcano	
PVAQ	Vaqueiros	
PV-AR	Perryville	
PVC	Port Vila	
PVCC	Panska Ves	
PVCM	Vineyard Canyon	
PVCP	Virac	
PVER	Pico Vermelho	
PVF	Pernaja	
PVIA	Vitoria	
PVIL	Puerto Villamil, Aeropuerto	
PVIS	Viseu	
PVK	Pavook Mountain	
PVL	Pavlikeni	
PVLZ	Pen@16o@15n de Ve@15lez	
PVM	Polavaram	
PVMO	Portageville	
PVN	Peters Valley	
PVNV	Vila Nova	
PVO	Paravola	
PVP	Pueblo Viejo	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PVRC	Palos Verdes	
PVRL	Vila Real	
PVV	Pavlof Volcano	
PVY	Plav	
PW-	Pontiac	PW-IL
PWA	Palmer West	
PWH	Poliokeawe Pali	
PW-IL	Pontiac	
PWJI	Pagerwojo	
PWKM	Work Ranch	WKR
PWL	Port Wells	
PWLA	Pickwick Lake	
PWM	Pinawa	
PWMM	Westland Maintenance Station	
PWP	Barrio Florida	
PWS	Pulau-Weh	
PWTG	Paul Wright Trailer	
PWV	Princeton	
PWZ	Pawanui	
PX-	Philippi	PX-WV
PXO	Oaxaca	
PX-WV	Philippi	
PXZ	Pawanui	
PY-	Payson	PY-AZ
PYA	Pyatigorsk	
PYA1	Pyatigorsk	
PY-AZ	Payson	
PYF	Esparros	EPF
PYL	PYLOS	
PYL2	Pylos	
PYLO	Lourdes	
PYM	Petit Puy Manson	
PYN	Poneloya	
PYO	Pyongyang	
PYR	Pyramid	
PYR2	Pyrgos	
PYR3	PYRGOS	
PYRG	Pyrgos, Dorida, Greece	
PYT	Playitas	
PYTN	Playitas	
PYUN	Piuthan	
PYZ	Puysegur Point	
PZ-	Ponce	PZ-PR
PZAR	Pazar-Rize	
PZC	Pizona Creek	
PZCI	Patelzick Creek	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PZI	Palazzolo	
PZ-PR	Ponce	
PZUN	Potenza	
PZX	Poza Rica	
PZZ	Stroppo	
PZZT	Monte Pizzetto	
Q03C	Winters	
Q04C	Lincoln	
Q07A	Schurz	
Q08A	Gabbs	
Q09A	Carvers	
Q10A	Clear Creek Ranch, Tonopah	
Q11A	Duckwater	
Q12A	Willow Creek Ranch, Ely	
Q13A	Wheeler Ranch, Garrison	
Q14A	Sevier Lake (BLM), Delta	
Q15A	Fillmore	
Q16A	Castle Valley Ranch, Emery	
Q18A	Rafter H Ranch, Green River	
Q19A	Hogan Spring (BLM), Cisco	
Q20A	Ridgley Place, Grand Junction	
Q21A	Lamborn Mesa, Paonia	
Q22A	Crested Butte, Gunnison	
Q23A	Hartsel	
Q23K	Middleton Island	
Q24A	Divide	
Q25A	Bedland, Calhan	
Q26A	Hugo	
Q28A	Sharon Springs	
Q29A	Oakley	
Q30A	Quinter	
Q31A	Ellis	
Q32A	Meitler Ranch, Lucas	
Q33A	Connelly Farm, Tescott	
Q34A	Chapman	
Q35A	Mercer Eighty, Eskridge	
Q36A	Arnold C. Orvedal, Lecompton	
Q37A	Longview Farm, Lees Summit	
Q38A	Cooks Store, Concordia	
Q39A	Willow Grove Farm, Nelson	
Q40A	Laux Farm, Auxvasse	
Q41A	Truxton	
Q42A	Golden Eagle	
Q43A	New Douglas	
Q44A	Meyer Farm, Vandalia	
Q45A	Warren Harvey, Newton	
Q46A	CEJHS Indians, Carlisle	
Q47A	Bedord North Lawrence Stars, Bedford	

Code	*Station Name*	*Other*
Q48A	North Vernon	
Q49A	Aurora	
Q50A	Georgetown	
Q51A	Peebles	
Q52A	Bidwell	
Q53A	Leroy	
Q54A	Coxs Mills	
Q55A	Buckhannon	
Q56A	Snyder Ridge, Maysville	
Q57A	Strasburg	
Q58A	Fox Den Farm, The Plains	
Q59A	Harwood	
Q60A	Greensboro	
Q61A	Milford	
QABG	Abgarm-Qazvin	
QAD	Quadrado	
QAL	Quail Lake	
QALM	Alamut, Qazvin	
QAM	Ghamsar	
QAMS	Qamsar	
QARU	Seremai	
QARV	Quebrada Arriba	
QASM	Qassim	
QASN	Qassioun	
QAW	Queen Anne	
QBC	Quebec	
QBL	Gabala	
QBNZ	Buin Zahra, Qazvin	
QBPR	Quebradillas	
QC-	Queen Creek	
QCC	Queen Charlotte	
QCI	Quattro Castella	
QCL	Quebec	QBC
QCP	Quezon City	
QCQ	Quebec	QBC
QCR	Quepos	
QCR1	Quepos	
QCS	Queen City Summit	
QEN		
QHRO	Qairoon Hariti	
QHW	Quartz Hill	
QIB	Qibla Bandi	
QIL1	Quilotoa	
QIL2	Quilotoa	
QILN	Qikilugaq Exploration Camp	
QIS	Mount Isa	
QIT2	Quititos 2	
QITI	Quititos	
QIZ	Qiongzhong	
QLABS	Al Qalibar	
QLLN	Quello@15n	
QLMT	Earthquake Lake	
QLNO	Quiliano	
QLNY	Queensboro Lake	
QLP	Quilpie	
QMB	Queensbury	
QM-NV	Quartzite Mountain	
QMO	Quartz Mountain	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
QNF01	Al Qunfudhah	
QNF02	Al Qunfudhah	
QNFDS	Al Qunfudhah	
QNG1	Qangwa	
QNR	Quinn River	
QPS	Quepos	
QPSR	Quepos	
QRD	Qoradiz	
QREAT	Al Qurrayyat	
QRHJ		
QRI	Quarto	
QRN	Al-Qurain	
QRNJ	Al-Qirein	
QRV	Quinn River Valley	
QRWL	Qaraoun	
QRZ	Quartz Range	
QSAR	Qusar	
QSB	Qsaybeh	
QSH	Qafa e Shtames	
QSM	Queen of Sheba Mine	
QSMS	Sumairaa	
QSPA	South Pole Quiet Zone Earth Science Observatory	
QSR	Quien Sabe Ranch	
QTA	Quetta	
QTBJ	Casr Tuba	CSTJ
QTFJ	Qatafi	
QTN	Queenstown	
QTO	Quito	
QTOE	Estacion Edusismo	
QTRJ	Qatrana	
QUA	Quabbin	
QUA2	Belchertown	
QUAR	Qualls	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QUE	Quetta	
QUEM	Puengasi	
QUES	Loma Quita	
QUET	Quetta	
QUEV	Quevedo	
QUI	Quito	
QUIB	Administraciˆ‡n Zonal Quitumbe - Quito	
QUIF	Quistinic	
QUIG	Queretaro	
QUIL	Quilotoa	
QUIN	Quiabu	
QUL	Quillagua	
QUM	Quillmana	
QUND	Qund	
QUR	Rumipamba	
QURS	Qurayyt al Milh	
QURY	Yakoun River	
QUT	Tumbaco	
QUTJ	Qutrana	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
QYSM	Um Kedad	
QZA	Quezalapa	
QZG	Quezaltepeque	
QZH	Quanzhou	
QZN	Quanzhou	QZH
QZO	Quartz Mountain State Park	
QZX	Qazax, Azerbaijan	
R04C	Big Horse Ranch, Ione	
R05C	Kirkwood Meadows Resort, Kirkwood	
R06C	Coleville	
R07C	Lee Vining	
R08A	Mina	
R09A	Tonopah	
R10A	Warm Springs	
R11A	Troy Canyon, Currant	
R12A	Pony Springs, Pioche	
R13A	O'Grain Ranch, Modena	
R14A	James Farms, Milford	
R15A	Junction	
R15V		
R16A	Teasdale	
R17A	Hanksville Airport, Hanksville	
R18A	Canyonlands National Park, Moab	
R19A	Curley Farm, La Sal	
R20A	Redvale	
R21A	Cimarron	
R22A	Saguache, Gunnison	
R23A	Moffat	
R24A	Sanders Place, Florence	
R25A	Fountain Ranch, Boone	
R26A	Arlington	
R27A	Eads	
R28A	Tribune	
R29A	Marienthal	
R30A	Dighton	
R31A	Burdett	
R32A	Long Quarter, Great Bend	
R33A	Olander Ranch, Little River	
R34A	Isabella, Hillsboro	
R35A	Emporia Municipal Airport, Emporia	
R36A	Gordon, Harris	
R37A	Teagarden Farms, La Cygne	
R38A	Fenwick Farm, Montrose	
R39A	Chumby, Stover	
R40A	Maddies Station, St. Elizabeth	
R41A	Rosebud	
R42A	Luebbering	
R43A	Red Bud	
R44A	Waltonville	
R45A	Skylar, Fairfield	
R46A	Gibon Southern Titans, Haubstabt	
R47A	Wooly Knot Farm, English	
R48A	Northridge Ranch, Floyd Knobs	
R49A	Shelbyville	
R50A	Paris	
R51A	Hillsboro	
R52A	Catlettsburg	
R53A	Hurricane	
R54A	Victor	
R55A	Marlinton	
R56A	Bull Pasture Mountain, McDowell	
R57A	Stanardsville	
R58A	Rapidan	
R58B	Mineral	
R59A	King George, VA	
R60A	Leonardtown, MD	
R61A	Willards	
RAB	Rabaul	
RABH	Abou Rabah	
RABL	Rabaul	
RAC	Raciborz	
RAC02	Cali,SGC	
RACZ	Rakaia	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
RAEZ	Rainy Point	
RAF	Rauma	
RAFF	Raffo Rosso	
RAFT	RAFT	
RAG	Roghun	
RAGM	Ragged Mountain	
RAGZ	Rawiri	
RAHZ	Arahi	
RAI	Raspberry Island	
RAIO	Rainier	
RAJA	Rajamunda Odisha,India	
RAK	Rakhov	
RAKU	Rahkiv	
RAL	Rabalanakaia	
RALT	Raleigh	
RAM	Raman	
RAMA	Ramapo Mountain	
RAMN	Ramite	
RAMR	Ramage Ranch	
RAMW	Rammel Mountain	
RAN	Rangoon	
RANB	Rancho Bola	
RANI	Rangndo	
RANK	Rankasinga Odisha,India	
RAO	Raoul Island	
RAP	Rapindik	
RAR	Rarotonga	
RASA	Rasa	
RAT	Rat Island	
RATI	Rata	
RATT	Rattlesnake Lake	
RATU	Laukkuluspa	
RATZ	Rangitukua	
RAUL	RAUL	
RAV	Ravensburg	
RAVA	Ravarino	
RAW	Raver	
RAY	Raywood Flat	
RAYA	Raymond Alberta	
RAYN	Ar Rayn	
RAZAM	Belene	
RAZG	Razgrad	
RBA	Rabat	
RBAR	Bucharest-INCERC-Test Bldg	
RBC	Rio Blanco	
RBDL	Robledal	
RBEN	Benson Hill Elementary School	
RBH	Right Bank House--Pihur	
RBK	Rabkut	
RBL	Raibl	
RBN	Rybnik	
RBNC	Richland Balsam	
RBO	Rocky Butte	
RBSH	Rongbusi, Xizang Zizhiqu	
RBSI	Rajabasa	
RBU	Red Butte Canyon	
RBY	Rainbow Mountain	
RBZ	Rabat Zaers	
RC01	Rabbit Creek Array Site 1	
RC1	Royal City	
RC14	Nage Dongri, Xizang Zizhiqu	
RCAV	Rocca di Cave	
RCBR	Riachuelo	
RCC	Rio Carpintero	
RCCR	Rock Creek Canyon	
RCD	Rapid City	
RCDM	Rinconada Maipu	
RCG	Rock City	
RCH	Reche Mountain	
RCHB	Rochefort	
RCI	Reggio Calabria	
RCJ	Ross Creek	
RCL	Mte Valcellina	
RCLA	Racherla	
RCLB	Rio Claro- Sao Paulo-Brazil	
RCM	Mount Rainier--Camp Muir	
RCO	Red Cone	
RCON	San Juan de Rio Coco, Nicaragua	
RCP	Roxas	
RCP2	Recreation Park	
RCR	Cape Wrath	
RCRC	Randolf College Riding Center, Lynchburg	
RCS	Mount Rainier--Camp Schurman	
RCT	Riceville	
RCTC	Rector, Farmersville	
RCW	Richland	
RCWM	Renegade Canyon West	
RCY	Rachaya	
RD01	Burlington	
RD02	Waterdown	
RD03	Mount Hope	
RD04	Stoney Creek	
RDC	Rolduc	
RDDR	Redoubt East 2	
RDE	Redoubt Vol. East	
RDEA	Red Earth Creek	
RDF	Al-Radifah	
RDG	Rabinal	
RDG13	Poverty Ridge 1, Station 3	
RDI1	Rhodes Town Hall	
RDJ	Rio de Janeiro	
RDJH	Redoubt Jeurgen	
RDLO	Red Lake	
RDLQ	Riviere-du-Loop	
RDM	Round Mountain	
RDM3	Ruvo Del Monte	
RDMU	Red Mountain	
RDN	Redoubt North	
RDO	Rodhopi	
RDOG	Red Dog Mine	
RDP	Rocca di Papa	
RDS	Siegrist	
RDSO	Redoubt South	
RDSS	Rosedale State School	
RDST	Rhodes College	
RDT	Redoubt	
RDW	Redoubt West	
RDWB	Redoubt West	
RDWR	Rand Water	
RDX	Rancho Dawling	
RE02	Canossa - RE	
RE03	Vedriano (Canossa) - RE	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RE05	Terme di Santa Lucia (Busana) - RE	
RE06	Pratopiano (Palanzano) - PR	
RE07	Pizzano Val di Parma - PR	
RE08	Castello di San Valentino (Castellarano) - RE	
RE1	Mte Valcellina	RCL
REAC	Reactor, Bogotˆ¡	
REAL	Reales	
REB	Eisghbrachaidh	
REC	Recreo	
RECU	Ecuador Network	VC1
RED	Redoubt Volcano	
REDH	Redhead, NSW Australia	
REDP	Redondo Peak	
REDW	Red Top Meadow	
REDWA	Red Mountain	
REF	Redoubt East Flank	
REFA	Refahiye_ERZˆNCAN	
REG	Rock Eagle	
REG*	Regar	RGR
REI	Reidovoe	
REKY	Reed	
REL	Relizane	
RELT	Roellen	
REM	Remote	
REMR	Mount Rainier--Emerald Ridge	
REMW	Rembrandt	
REMY	Saint-Rhˆmy-en-Bosses	
REN	Reno	
RENF	Rennes	
RER	Riviere de l'Est	
RES	Resolute Bay	
RESF	Ens	
RESI	Resinera	
RESU	Resuttano	
RET1	Porto Nacional, TO, Brazil	
RET10	Pium - TO	
RET11	Monte do Carmo - TO	
RET12	Mateiros - TO	
RET13	S. Felix do Tocantins -TO	
RET14	Novo Acordo - TO	
RET2	Formoso do Araguaia, TO, Brazil	
RET3	Cariri, TO, Brazil	
RET4	Sucupira, TO, Brazil	
RET5	Paranan- TO	
RET6	Dianopolis -TO	
RET8	Sˆ£o Miguel do Araguaia, GO, Brazil	
RET9	Novo Planalto, GO, Brazil	
RETA	Reutte	
RETH	Rethem/Aller, Germany	
RETU	Refugio	
REU	Reunion Island	
REUT	Washington Fields	
REVE	Rev-Rev Volc	
REVF	Revere	
REVI	Revivim	
REVS	Reventador Sur	
REW	REWA	
REX	Rexburg	
REY	Reykjavik	
REYF	Montagne du Rey	
REYT	Reyhanli	
RFA	San Rafael	
RFDD	Rafsanjan	
RFI	Roccamonfina	
RFM	Reservoir Flats	
RFO	Forsnaval	
RFSB	Richmond Field	
RFTA	Plano	
RFVM	Rio Frio	
RFYF	Reffroy	
RG-	Redig	RG-SD
RGA	Parga	
RGC	Rangely	
RGD	Ragged Mountain	
RGE1	Gennadi, Rhodes Island	
RGN	Rugen	
RGNG	Rignano Grg	
RGP	Ruby Glebe Property	
RGR	Regar	
RGRI	Rengat	
RGRS	Roger Stewart	
RGS	Rognes	
RG-SD	Redig	
RGZ	Rangipo	
RHA	Reichold	
RHAM	Hammer	
RHAZ	Hazelwood Elementary School	
RHC	Rose Hills Cemetery, Whittier	
RHD	Arkhangelos	ARG
RHJ	Red Hills	
RHK1	Bakonya	
RHK2	Bata	
RHK3	Tenkes	
RHM	Rio Hardy	
RH-NV	Rawhide Mountain	
RHO	Rhodes	
RHP	Rhoboro Hills	
RHT	Red Hill	
RHT01	RHT01	
RHT02	RHT02	
RHT03	RHT03	
RHT04	RHT04	
RHT05	RHT05	
RHT06	RHT06	
RHT07	RHT07	
RHT08	RHT08	
RHT09	RHT09	
RHT10	RHT10	
RHT11	RHT11	
RHT13	RHT13	
RHT14	RHT14	
RHT15	RHT15	
RHT16	RHT16	
RHU	Roosevelt Hot Springs	
RHWAS	RHWAS	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
RIB	Ribeirinha	
RIB01	Linhares ES	
RIB2	Ribeirinha	
RIC	Richmond	
RICH	Rich Mountain	
RICI	Ricice	
RIDG	Independ'e Ridge	
RIEH2	Riehen 2 (BS)	
RIFB	Rifaina	
RIFO	Rio Frio	
RIGZ	Rimuhau	
RII	Riito	
RIM	Rim	
RIMQ	Rimouski	
RI-MS	Richton	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
RIN3	Volcan Rincon	
RIO	Rio Grant	
RIOB	Rio Branco	
RIOE	Riobamba	
RIOE1	Riobamba	
RIOS	Rincon	
RIOV	Rio Grande	
RISI	Rein	
RITOM	Lago Ritom (SBB)	
RITZ	Rihia Road	
RIU	Riou	
RIV	Riverview	
RIVEL	MONT RIVEL	
RIVT	Riveris	
RIY	Rijeka	
RIZ	Raoul Island	
RJF	Les Rejaudoux	
RJOB	Jochberg	
RK-	Red Lake	RK-ON
RK1	Rhampton Hrock	
RK1H	Rockhampton Hard Rock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RKAV	Rock Avalanche	
RKG	Rocky Gully	
RKGY	Rocky Gully	
RKL1	Kallithies, Rhodes Isl.	
RKO	Rokko	
RK-ON	Red Lake	
RKPI	Ransiki, Papua	
RKS	Reko	
RKT	Rikitea	
RKT1	Kattavia Rhodes Isl.	
RKY	Sarkoy-Tekirdag	
RL-	Rib Lake	RL-WS
RLA	Relizane	
RLKO	Red Lake	
RLMT	Red Lodge	
RLN1	Lindos, Rhodes Isl.	
RLNB	Erlin	

Code	Station Name	Other
RLO	Rose Lookout	
RLS	Riolos of Patras	
RLSP	Rockland Lake	
RLW	Rice Lake	
RL-WS	Rib Lake	
RM01	Lucoli (AQ)	
RM02	Colle Roio	
RM03	San Martino d'Ocre	
RM04	Rocca di Mezzo	
RM05	Colli (Barete)	
RM06	Scoppito	
RM07	Collebrencioni	
RM08	Filetto	
RM09	Piano di Cascina (Cagnano Amiterno)	
RM10	Cesaproba (Montereale)	
RM11	Collenoveri	
RM12	Casamaina	
RM13	Rovere (Rocca di Mezzo)	
RM14	Barisciano	
RM15	Castiglione (Tornimparte)	
RM16	Terranera (Rocca di Mezzo)	
RM18	Fano Adriatico	
RM20	Borbona	
RM21	Selvarotonda (Cittareale)	
RM22	Micigliano	
RM23	Viesci	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM25	Mosicchio (Amatrice)	
RM26	Passo delle Capannelle	
RM27	Carapelle Calvisio	
RM28	Assergi	
RM29	Verrico (Montereale)	
RM30	Cerqua	
RM31	Accumuli	
RM32	Poggio Cancelli	
RM33	Pellescritta (Montereale)	
RMA	Rockefeller Mts	
RMAH	Rumah	
RMB	Rombauer	
RMBN	Ramban	
RMCR	Rio Macho	
RMG	Rome (USA)	
RMGF	Ravine Marchand	
RMGR	Halanga-Turnu Severin	
RMI	Round Mountain	
RMI2	Roccaromana	
RMJ	Rumoi	
RMKL	Ramhormoz	
RMN	Mount Ramon	
RMNB	Reason Mountain	
RMNI	Mount Ramon	
RMNS	Romny	
RMO	Rochester (NY)	
RMOA	Moar Alm	
RMP	Rome, Mte Porzio	
RMQ	Roma	
RMR	Rimrock	
RMSF	Reims	
RMT	Round Mountain	
RMU	Rainbow Monument	
RMVG	GOVORA	
RMW	Rattlesnake Mountain	
RMX	La Rumorosa	
RN-	Rainelle	RN-WV
RNC	Little Raleigh	
RNCA	Ronca, Sant'Olcese (GE)	
RND	Reindeer	
RNDA	Aranda	
RNF	Rovaniemi	
RNHA	Neuhaus	
RNI	Roncone	
RNI2	Rionero Sannitico	
RNO	Roman Nose	
RNON	Nonn-Bad Reichenhall	
RNTT	Ranong	
RN-WV	Rainelle	
RNYS	Ranyah	
ROA	Roan Cliffs	
ROB	Robourent	
ROBE	Robe	
ROBI	Boca de Chavon	
ROBS	Robic@19	
ROC	Rochester	
ROC1	El Roble	
ROCAM	Rodrigues Island Caves	
ROCE	Novi Di Modena	
ROCH	El Roble	
ROD	Rodman Mountain	
ROD3	Rodini, Patras, West Greece	
RODG	Roetgen-Dahlheim	
RODI	Rodini	
RODM	Citronelle, Rodrigues Island	
RODP	Rodopos	
ROF	Roppe	
ROG	Rognes	
ROH	Rohtak	
ROHR	Rohrbach	
ROI	Rossano	
ROIA	ROIAK	
ROKH	ROKH	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
ROKY	Rotten Point	
ROL	Rolla	
ROM	Rome	
ROM9	Roma	
ROMAN	Romanshorn, Forsthaus, TG	
ROMN	Roman Lake	
RON	Remote	
RONC	Roncone	
RONF	Ronchamp	
RONM	Roccetta Nervino	
ROOS	tl_alroos	
ROPR	Rincon, Puerto Rico	
RORO	Rocca Rossa	
RORSS	Ber_school_1	
ROS	Roseneath	
ROSA	Rosais	
ROSB	Ros^¡rio	
ROSC	El Rosal	
ROSF	Rostrenen	
ROSI	Rosskopf	
ROSL	ROSL	
ROSN	Rosenhof	
ROSS	Ross	
ROT	Rotorua	
ROTD	Rotterdam (NY)	
ROTHE	Rothenfluh	
ROTM	Rocchetta Tanaro	
ROTU	Roteberg	
ROTZ	Rotzenmuhle	
ROU	Rougiers	
ROUQ	Riviere-Ouelle	
ROVE	Rovereto Di Novi	
ROVR	Rover^¤ Veronese	
ROW	Rowesville	
ROWM	Rowsley	
ROX	Roxburgh	
ROYM	Rob Roy	
RPA	Roopena	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RPK	Roosevelt	
RPM	Rheinpreussen Mine	
RPN	Rapa Nui	
RPN1	Rhodes Hospital	
RPOR	Krasnaya Polyana	
RPR	Rampur	
RPSI	Rantau Prapat	
RPT	Raluana Point	
RPV	Rancho Palos Verdes	
RPW	Rockport	
RPZ	Rata Peaks	
RQBS	RQBS	
RRD	Roosevelt Roads	
RREF	El Recreo	
RRH	Rhenigidale	
RRHS	Rochester High School	
RRI	Red Ridge	
RRI2	Red Ridge	
RRL	Rocca Remolon	
RRO	Red Rock Canyon	
RRP	Roosevelt Roads	
RRR	Rubha Reidh	
RRRZ	Republican Road	
RRX	Edison Barstow Service Cntr. Barstow	
RS-	Russell Springs	RS-KY
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RSA	Sarsar	
RSA3	Rocchetta Sant'Antonio	
RSB	Ravensbos	
RSBC	Riverside Borehole	
RSBS	Rosebush, Pembrokeshire	
RSC	Scourie	
RSCM	Risco	
RSCP	Cumberland Plateau	
RSD	Rainshed	
RSDY	Resadiye-TOKAT	
RSE	Rose Pump	
RSF3	Rocca San Felice	
RSH		
RSHJ	J Risha	JRSJ
RSHS		
RSJ	Rancho San Jose	
RS-KY	Russell Springs	
RSL	Roselend	
RSM	Repubblica di San Marino	
RSNT	Yellowknife	
RSNY	Adirondack	
RSO	Redoubt South	
RSO1	Soroni, Rhodes Isl.	
RSON	Red Lake	
RSP	Reno Superiore	
RSPO	Restoule Provincial Park	
RSRB	Richmond-San Rafael Bridge	
RSSD	Black Hills	
RST	Umm Al-Ruwaisat	
RST1	Rasht - Gilan	
RSTA	Tijuco Alta	
RSU	Mount Rainier--Summit	
RSUT	Red Spur Mountain	
RSV	Radio Antilles	
RSW	Rattlesnake Hills	
RSY	Rusayo	
RT-	Raton	RT-NM
RTA	Riberalta	
RTB	Rutbah	
RTBI	Rangdo, Negare	
RTBS	Barreal	
RTC	Rabat Centre	
RTCB	Cerro Blanco	
RTCV	Cerro Valdivia	
RTH1	Rethymnon	
RTK	Rohtak	
RTLL	Cerro Villicun	
RTLS	Leoncito	
RTMI	Retamim	
RTMM	Retamin	
RTMQ	Marquesado	
RTN	Rota	
RT-NM	Raton	
RTO	Tolsta	
RTP	Ruataniwha	
RTPR	Patquia	
RTQ	Roma	
RTR	El Retiro	
RTRS	Rodeo	
RTUL	Rataul	
RTV	Rentapao	
RTY	Rotoiti	
RTZ	Ruatahuna	
RUB	Prince Rupert	
RUBB	Prince Rupert	
RUBR	Rubicon Trail	
RUDO	Rudo	
RUDS	Rudovci	
RUDU	RUNDU	
RUE	Ruedersdorf	
RUFI	Rufina	
RUGZ	Raukumara Range	
RUM	Rumangabo	
RUMJ	Er Rumman	
RUMN	Rumjataar	
RUMP	Rumipamba	
RUN	Ruthven	
RUN2	Runtun	
RUN3	Runtun 3	
RUN5	Runtun	
RUND	Rundenannen	
RUP	Ruppelstein	
RUS	Russkaya	
RUSAM	Ruse	
RUSC	La Rusia	
RUSF	Rustrel	
RUSJ	Misakicho	
RUSM	Rushworth	
RUT	Ruth	
RUTI	Ruteng	
RUV	Rauvai	
RUWJ	Ruweisid	
RUZ	Raurimu	
RVAZ	Riverhead Borehole	
RVC	Mount Rainier--Voight Creek	
RVCM	Rose Valley Central	
RVE	Reveille Range	
RVI2	Rocchetta Volt	
RVM	Rio Vista Mine	
RVMB	Rio Verde do Mato Grosso - MS	
RVR	Riverside	
RVRD	Rio Verde	
RVS	Riverside Mountains	
RVUT	Riverside	
RVVM	Revivim	
RVW	Rose Valley	
RW1	Ridgway	
RW2	Ridgway	
RW3	Ridgway	
RW4	Ridgway	
RW5	Ridgway	
RW6	Ridgway	
RWB	Wassenberg	
RWMO	Wildenmoos	
RWW	Ranney Well	
RWWY	Rawlins	
RXF	Rexford	
RY-	Ryder	RY-ND
RYAN	Fayoum	
RYB	Rybach'ye	
RYD	Riyadh	
RYDS	Riyadh	
RYL	Rypely	
RYN	Ryan	
RY-ND	Ryder	
RYNS	Ranyah	
RYS	Reyes Peak	
RZN	Rozhen	
S04C	Ingram Canyon, Westley	
S05C	Merced	
S06C	San Francisco Camp Mather, Mather	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
S09A	Goldfield	
S10A	Tonopah Range, Tonopah	
S11A	Rachel	
S12A	Delamar Landing Field, Caliente	
S13A	Holt Ranch, Enterprise	
S14A	Cedar City	
S15A	Panguitch	
S16A	Weppner Ranch, Escalante	
S17A	Black Ridge (BLM), Bullfrog Basin	
S18A	Hurst Farm, Blanding	
S19A	Harvey Farm, Monticello	
S20A	Disappointment Valley, Cahone	
S21A	Coal Bank Pass, Durango	
S22A	4UR Ranch, Creede	
S23A	Nye Farm, Monte Vista	
S24A	Houchin Ranch, La Veta	
S25A	Robets Cordova Ranch, Walsenberg	
S26A	Kim	
S27A	Las Animas	
S28A	Manter	
S29A	Ulysses	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
S33A	Kaszmaul Farm, Murdock	
S34A	Willow Spring Farm, Andover	
S35A	Otter Creek Ranch, Eureka	
S36A	Lake Cedric, Chanute	
S37A	Fort Scott	
S38A	Stockton	
S39A	Bolivar	
S40A	Lebanon	
S41A	Jillco Farms, Salem	
S42A	Caledonia	
S43A	Fulton Ridge, Patton	
S44A	Carbondale	
S45A	Carrier Mills	
S46A	Don Dixon Farm, Corydon	
S47A	Hartford	
S48A	Wiedeman Farm, Cecilia	
S49A	Springfield	
S50A	Richmond	
S51A	Beattyville	
S52A	Salyersville	
S53A	Williamson	
S54A	Dingess, Beckley	
S55A	Lewisburg	
S56A	Natural Bridge	
S57A	Dark Hollow, Roseland	
S58A	Poland Farm, Powhatan	
S59A	Mechanicsville	
S60A	Water View	
S61A	Accomac	
SA-	Seneca	SA-OR
SA1G	Sarfartoq 1, Greenland	
SA2	San Angelo	SA2TX
SA2G	Sarfartoq 2, Greenland	
SA2TX	San Angelo	
SA3G	Sarfartoq 3, Greenland	
SA4	San Angelo	SA4TX
SA4G	Sarfartoq 4, Greenland	
SA4TX	San Angelo	
SAA	Sakai	
SAAT	Saatly	
SAB	Saberio	
SABA	Saba	
SABC	Sabc	
SABG	Sable island	
SABO	M.te Sabotino	
SABQ	Saba, The Bottom	
SABR	Sanharo	
SABS	Saba	
SABT	Saba	
SABV	Saba, Juancho Airport	
SABW	Saba, Winward Side	
SAC	San Andreas	
SACA	Loma Carmona	
SACC	Sacramento, California	
SACR	S. Croce Del Sannio	
SACS	San Casciano dei Bagni	
SACV	Santiago Island	
SAD	Saidpur	
SADA	Sad'ah	
SADC	Saddle Peak	
SADO	Sadowa	
SADQ	Saint-Augustin-de-Desmaures	
SAE	Statte	
SAF	Zefat	
SAFT	Safranbolu	
SAG	Saga	
SAGA	Saga, Xizang Zizhiqu	
SAGI	Saggi Highlands	
SAGO	Sagoatoa	
SAH	Sawauchi	
SAHE	Sakarya_HENDEK	
SAI	Saigo	
SAIG	Aigle Rue de la Gare	
SAIH	SAIHA	
SAIM	ADANA	
SAIRA	Les Sairains Dessus	
SAIU	Southern Antelope Island	
SAIV	Sant'Angelo In Vado	
SAJA	Sa'gya, Xizang Zizhiqu	
SAJV	Sajaritas	
SAK	Sakata	
SAKN	Sanikiluaq	
SAL	Salo	
SALA	Sala	
SALAN	Lac Salanfe	
SALB	San Lorenzo Bellizzi	
SALC	Salvajina	
SALF	Salau	
SALI	Salinas	
SALI3	CIMA - Sant'Angelo dei Lombardi	
SALII	SALI	
SALJ	Salt	
SALK	Salom-Alik	
SALM	Salem	
SALO	Salr	
SALP	Salfit	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
SALT	Sultana	
SALTS	Altdorf, Kantonsspital	
SALU	Saltoluokta	
SALV	Santo Antonio do Leverger, MT	
SALX	Saltillo	
SAM	Samarkand	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SAMG	Sameba	
SAMH	Samovar Hills	
SAML	Samuel	
SAMO	Samokov	
SAMS	Samsun-Alacam	
SAMU	Samuel, RO	
SAN	Santiago	
SAN1	Sandwick	
SANA	San'a	
SANB	Taian	
SANC	Santa Ana	
SANF	Convento San Francisco - Quito	
SANG2	South of Nakchu	
SANI	Sanana	
SANL	SANLIURFA_Merkez	
SANM	San Marcos	
SANQ	St-Andre-du-Lac-St-Jean	
SANR	Sandrigo	
SANT	Santorini	
SANU	Sandwick	
SANV	Sanarito	
SANVU	Saraoutou	
SANY	Sanborn	
SANZ		
SAO	San Andreas Geological Observatory	
SAOF	Saorge	
SAON	Isla Saona	
SA-OR	Seneca	
SAP	Sapporo	
SAP1	Santorini-Akrotiri	
SAP2	Sant'Angelo in Pontano	
SAP2K	Karterados	
SAP3	Santorini-Thirassia	
SAP4	Santorini-Oia	
SAPN	Saipan	
SAR	Sarajevo	
SAR1	Sarti	
SARAR	Arar	
SARE	Arbon, Evangelische Kirche, TG	
SARI	SarD1z-Kayseri	
SARK	Sarnen Kantonsschule	
SARN	Sarigan	
SARO	Sassorosso	
SARP	Sargodha	
SARR	Saratov	
SARS	Nor Kachakap	
SART	Tekirdag	
SAS	Saskatoon	
SASA	Sand Point	
SASS	Sassa´´´´´´	
SAT	Sang-Tuda	
SAT1	San Antonio Texas	
SATI	Passo dei Salati	
SATK	Sarapat	
SATS	Thornton Park	
SATY	Saty	
SAU	Saltair	
SAUF	ch^ćteau de Saumane	
SAUI	Saumlaki	
SAUR	Augst-Roemermuseum	
SAUV	Serdivan-Sakarya	
SAV	Savannah	
SAVE	San Marco di Savelli	

Code	*Station Name*	*Other*
SAVF	Savonnieres en Perthois	
SAW	Saint Andrews	
SAX	Saentis	
SAY	Sayfiye	
SAYS	Saidy	
SAZ	Santa Maria Island	
SB-	Grafenberg Ar.	GRF
SB02	Marmara Sea	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
SB4	Sulfur Bank	
SBA	Scott Base	
SBAF	Basel-Friedhofgasse	
SBAJ2	Basel, St Johann, BS	
SBAK	Basel, Klybeck	
SBAM2	Basel, M˙…nster, BS	
SBAP	Basel-PUK	
SBAS	Baar Spital, ZG	
SBAT	Basel-Tropenhaus	
SBAV	Basel, Vogelsang, BS	
SBAW	Basel, Wirtschaftsgymnasium, BS	
SBB	Saddle Back Butte	
SBBR	Sobral	
SBC	Santa Barbara	
SBCB	Hsinchu	
SBCZ	Sonora Basin	
SBD	Saint Breward	
SBD1	Bryn Du	
SBDP	Sheikh Budin	
SBE	Sebes	
SBEA	Susan B. English School	
SBEG	Bettingen Gewerbehaus	
SBERN	Bern, Kleine Schanze	
SBES	Silver Beach Elementary School	
SBF	Sospel	
SBG	Sibinal	
SBH	Shibata	
SBI	Santa Barbara Island	
SBID	Snowbank Mountain	
SBIF2	Birsfelden, Friedhof	
SBIK	Biel, Kongresshaus, BE	
SBIS2	Binningen	
SBJ	Shimobe	
SBJI	Serang	
SBK	Seabrook	
SBKC	Saddleback Mountain	
SBL	Sacbachol	
SBLHI	Steaming Bluff	
SBLS	San Blas	
SBM	South Baldy	
SBN	Saba	
SBNU	Taloyoak	
SBO	Springbok	
SBP	Subic Bay	
SBPG	Barcellona Pozzo di Gotto	
SBPH	San Jose del Monte	
SBPO	S.Benedetto Po	
SBQ	Sherbrooke	
SBR	S Black Range	
SBRN	Brisbane	
SBRS	Brig, Spital	
SBRT	Shubertovo	
SBS	Sidi-Bou-Said	
SBSI	Sibolga	
SBT	San Benito	
SBT1	Cinarcik-Koru-Yalova	
SBT2	Guzelce-Avcilar-Istanbul	
SBT3	Marmara-Ereglisi-Tekirdag	
SBT4	Kumbag-Tekirdag	
SBT5	Esenkoy-Cinarcik-Yalova	
SBTG	Sabatlo	
SBU	Stansbury Island	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUH	Buchs, Hochschule	
SBUM	Sibu	
SBV	Sambava	
SBVC	San Bernardino Valley	
SBY	Sand Bay	
SBZ	Shahbuz	
SBZV	Sabzevar	
SC-	Sutcliffe	SC-NV
SC01	Santiago de los Caballeros	
SC02	Santiago aeropuerto	
SC2M	Scurtabo	
SCA	Santa Cruz	
SCB	Scarborough	
SCC	Santa Cruz	
SCCB	Santa Clara County Offices	
SCCK	Coley Creek	
SCCM	Colson Canyon	
SCCW	Shoreline CC	
SCE	Schlegeis	
SCE1	Shell Creek	
SCEL	Celerina	
SCER	sogukcermik	
SCF	Sheep Creek Facility	
SCG	Saint Claude	
SCH	Schefferville	
SCHCA	Scheelite	
SCHD	Schmiedefeld	
SCHE	Schaffhausen-Ebnat	
SCHF	Schoenfels	
SCHL	Schela	
SCHN	Schinveld	
SCHO	SCHO	
SCHQ	Schefferville	
SCHR	S. Chirico Raparo	
SCHRR	Schitu	
SCHS	Schaffhausen, Spital	
SCI	San Clemente Island	
SCI2	San Clemente Island 2	
SCIA	State Center	
SCIG	Sabancuy	
SCJI	Gunung Srandil	
SCK	South Creake	
SCKWR	San Luis Creek Check 11 ,Merced County	
SCL	Santa Clara	
SCL3	Muro Lucano (Serra Campolungo)	
SCLL	Scilla	
SCLT	Jiali	
SCM	Sheep Creek Mountain	
SCMO	St. Charles CC	
SCN	Sunset Crater	
SCNT	Darkhovein	
SC-NV	Sutcliffe	
SCO	Scoresbysund	
SCOM	Sussex County Emergency Operations Center	
SCOU	Cournillens	
SCP	State College	
SCP1	State College	
SCPH	Surigao	
SCR	San Cristobal	
SCRK	Sand Creek	
SCRN	Santa Cruz	
SCRP	Scyscraper	
SCRT	Cerro San Cristobal	
SCRV	San Cristobal	
SCS	Sicasica	
SCST	Cishan	
SCT	Scotty Lake	
SCTE	Santa Cesarea Terme	
SCTR	Scanteiesti	
SCU	Sheep Canyon	
SCUC	Scuol-Clozza	
SCUG	Chur Gewerbeschulhaus	
SCUM	Serra do Cume	
SCUT	Santa Clara	
SCV	Saint Croix	
SCVI	Saint Croix	
SCW	Sherman Crater--Mount Baker	
SCX	San Cristobal	
SCY	Stone Canyon Reservoir	
SCYB	Stone Canyon	
SCZ	Santa Cruz	
SCZ2	Santa Cruz Island 2	
SCZP	Santa Cruz	
SCZT	Fangliau	
SDA	Shkodra	
SDAN	Sedan	
SDB	Sa da Bandeira	
SDBA	SAO DESIDERIO	
SDC	San Diego	
SDCA	Salto do Cavalo	
SDCO	Great Sand Dunes National Park	
SDD	Santo Domingo	
SDD01	Loma Colora	
SDD02	Loma Siseviere	
SDD03	Loma La Ceniza	
SDD04	Loma El Mogote	
SDD05	Loma Manaclilla	
SDD06	Hatillo	
SDD07	Loma El Cafe	
SDD08	Loma Yayales	
SDD09	Ceiba Bonita	
SDD10	Monte Rojo	
SDDR	Presa de Sabaneta	
SDE	Santiago Estero	TPA
SDEM	Sadie Cove	
SDF	Sodankyla	
SDG	Sourdough	
SDH	Striped Hills	
SDHHI	Sand Hill	
SDI	San Donato	
SDJ	Sanada	
SDKM	Sandakan	
SDL	Saddle Mountain	
SDLC	Saltdale	
SDLR	Sedlovina	
SDM	Santiago Maria	
SDMD	Soldier's Delight Natural Environment Area	
SDMZ	Santiago de Maria	
SDN	Sand Point	
SDNR	Sundarnagar	
SDO	Salado	
SDOM	Mount Sodom	
SDP	Sudden Peak, Lompoc	
SDPT	Sand Point	
SDR	Surduc	
SDRC	San Diego Road Dept, El Cajon	
SDS	Sanatorio Duran	
SDSI	Sungai Dareh	
SDV	Santo Domingo	
SDW	Sidewinder Mine	
SE-	Sleepy Eye	SE-MN
SEA	Seattle	
SEAG	Tbilisi Sea	
SEAR	Searcy	
SEAS	Seaside SMO	
SEB	Sibenik	
SEC	Stevens Creek SECR	
SEDF	Sedefadasi Cinnet	
SEDI	Konya/Seydi˜ehir-Tara˜ˆ§˜–	
SEDN	First Sedna Site,Hudson Bay	
SEF	Sefi@18d Ru@18d	SRI
SEF1	Sefro	
SEG	Port Louis	
SEGC	San Emigdio	
SEH	Sehore	
SEHB	SEOHWA	
SEI	Scarperia	
SEIS	Thessaloniki	
SEJ	Sejong Station	
SEK	Senekal	
SEKA	Sheki	
SEL	Semlyachik	
SELA	Sela	
SELF	Sixty Eight Flow	
SELQ	St-Eleuthere	
SELS	Selova	
SELV	Sierra Elvira	
SEM	Semipalatinsk	
SEMD	Semdilli	
SEMI	Semponon	
SEMM		
SE-MN	Sleepy Eye	
SEMOS	Emosson Staumauer, Bunker	
SEN	Sendai	
SEND	SEND	
SENE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SENI	Senigallia	
SENIN	Lac Senin/Sanetsch	
SENK	Senkaya-Erzurum	
SEO	Seoul	
SEPFL	Lausanne EPFL	
SEPW	September Lobe	
SER	Sermur	
SERE	Sereflikochisar	
SERG	Sergoula	
SERI	Serifos	
SERM	Sermide	
SERS	Sersale	
SES	Suffield	
SESP	Santiago Espada	
SEST	Monte Rota	
SET	Setif	
SET2	Ginetes	
SET3	Pilar	
SET4	Mosteiros	
SETA	Sete Cidades	
SETU	Setubal (Portugal)	
SEUG	St. Eustatius G	
SEUH	St. Eustatius H	
SEUS	St. Eustatius	
SEUT	St. Eustatius T	
SEV	Sevastopol'	
SEVA	Sevastopol	
SEW	Seward	
SEY	Seymchan	
SEY1	Mahe	
SEYC	Seychelles	
SEYD	Seydisehir-KONYA	
SEYT	Eskypehyr	ESKT
SF-	Snowflake	SF-AZ
SF2	Kangerlussuaq 2	
SFA	Sept-Chutes	
SFA1	Serra Facao	
SFAN	Fancy Village	
SF-AZ	Snowflake	
SFB	San Francisco	
SFC	San Francisco	
SFD	Strofades	
SFDO	San Fernando	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SFF	Sheffield	
SFG	Saint Francois	
SFH	Hasselmere	
SFI	Santa Sofia	
SFIN	Lafayette	
SFIR	Foira Santorini	
SFJ	Sondre	
SFJD	Kangerlussuaq 2	
SFJM	Santa Fe	
SFJWR	San Luis Fatjo Ranch, Merced County	
SFK	Sufi-Kurgan	
SFK1	Sfakia	
SFK2	Vouvas Sfakia	
SFL	San Felipe	
SFL1	Soufli	
SFL3	San Fele	
SFM	San Francisco	
SFM1	San Francisco de Macorix	
SFN	Sterling Forest	
SFNM	Sidi Ifni	
SFNV	Sufian	
SFO	Sterling Forest	
SFP	San Felipe	
SFR	San Francisco--Rincon	
SFRA	Frenkendorf	
SFS	San Fernando	
SFT	Stanford Telescope	
SFTF	Sexfontaines	
SFTN	Shelby Forest	
SFTX	Fort Shafter	
SFUC	San Fernando	
SFX	San Felipe	
SFX2	San Felix	
SG-	Seligman	SG-AZ
SG1	Sgolgore (BA)	
SG6*	San Gibilmanna	
SGA	Stephens Glacier	
SGAM	Sherman Glacier	
SGAS	Stanga	
SGAZ	Eski˜ehir/Seyitgazi-Do˜anˆ§ay˜–r	
SG-AZ	Seligman	
SGB	San Diego Bay	
SGC	Saratoga Golf Course	
SGCP	Mt. Cagua	
SGD	Sagiada	
SGDS	Sogindy	
SGE	South Ridge	
SGEB	BUCURESTI	
SGEM	Genf, Marziano	
SGEV	Gen˜ove, Vieux-Billard	
SGF	Sodankyla@14	
SGG	Gregorio Matese	
SGH	Sud-Ghoubbet	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SGI03	Saint George Infrasonic Array Site 3	
SGI04	Saint George Infrasonic Array Site 4	
SGIA	Mirandola	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGJ	Sugihashi	
SGK	Hsinkong	HSI
SGKI	Sangatta, Kalimantan	
SGKR	Sergokala	
SGKT	Sivrigoynuk	
SGL	Mount Signal	
SGLT	Jiouru	
SGM	Silver Gate	
SGMF	Saint Gilles	
SGMN	Shimogamo	
SGN	Springfield	
SGNT	Sidi Gnaou	
SGO	Sicignano	
SGP	San Gregorio	
SGR	Segre	
SGR1	Siggri Mitillinis	
SGRA	Graechen Ausblick	
SGRN	Sagara	
SGRQ	St-Georges	
SGRR	Singureni	
SGRT	San Giovanni Rotondo	
SGS	Saint George	
SGSI	Sangihe	
SGST	Jiashian	
SGSU	St. George Fire Station	
SGT	Sevinc	
SGT00	Sennhˆ…lsen	
SGT01	Gaiserwald	
SGT02	Zihlschlacht	
SGT03	Degersheim	
SGT04	Schlatt-Haslen	
SGT05	Eggersriet	
SGTA	Sant Agata di Puglia	
SGU	Sterling	
SGV	South Grapevine Mountains	
SGW	Sigmaringen-Wittberg	
SGY	Signy Island	
SGZ	Semigandzh	
SH-	Shamokin	SH-PA
SH2	Sharm el Sheik	
SHA	Spring Hill	
SHA1	Shidzhatmaz	
SHAB	Shabla	
SHAO	Shalim	
SHAP	Saphane-Kutahya	
SHAR	Shatzhatmas	
SHB	Sechelt	
SHBE	SHBE	
SHBG	Sahibganj	
SHBJ	Al Shahba	
SHBL	Chebaa	
SHBS		
SHC	Mount Saint Helena	
SHD	Sha@18hru@18d	
SHDB	Maple Bay	
SHE	Samaxi	
SHEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SHEL	Horse Pasture	
SHEM	Shemya Is, Alaska	
SHF	Shawinigan Falls	
SHG	Shirttail Gulch	
SHGH	Shai Hills	
SHGO	Shushtar	
SHGR	Shooshtar-Gavsavar	
SHH	Sheep Hole Mountains	
SHHB	Siheung-si	
SHI	Shiraz	
SHI1	Shinkiari	
SHID	Shide	
SHIN	Springhill	
SHIO	Shillong	SHL
SHIU	Shidnytsya	
SHIV	Shivlakha	
SHJ	Shiono misaki	
SHK	Shiraki	
SHKI	Saki	
SHL	Shillong	
SHLN	Saint Helena Island	
SHLS	Shalkode	
SHLY	Spokane Temp K2 (Swanson)	
SHM	Shimizu	
SHME	Shamm	
SHMJ	Saham	
SHMP	Susana Heights	
SHMS		
SHN	Shimonoseki 3	
SHN1	Shimonoseki	
SHN2	Shangus	
SHNJ	Shimonoseki 2	
SHNS	Shenavan	
SHO	Shikotan	
SHO1	Shori	
SHOA	Shoalbay	
SHOC	Shoshone, Tecopa	
SHOH	Showa-Shinzan	
SHP	Santa Helena	
SH-PA	Shamokin	
SHPR	Sheep Range	
SHQ	Saint-Hilarion	
SHQRE	Shigry	
SHR	Shirakawa	
SHRA	Al Sharaya	
SHRD	Shirahama	
SHRF	Sharaf	
SHRG	Sheep Range	
SHRJ	Shirakawa 2	
SHRM	Sharm el Sheik	
SHRO	Shahrood	
SHRR	Shira	
SHRT	Shahrakht	
SHS	Shasta Dam	
SHT	Sharpitor	
SHTH	Shelter house	
SHTK	Zheleznogorsk-3, Russia	
SHTN	Sandy Hook	
SHTS	Shaartuz	
SHU	Shuyak Island	
SHUI	Shui	
SHUK	Shuksan-Mt. Baker Ski Area	
SHUT	Suhut-Afyon	
SHV	Shimbara	
SHVB	Paradis Home	
SHW	Mount Saint Helens	
SHWJ	Shawbak	
SHY	Shemya	
SHYM	Surrey Hills	
SHZ	Shizuoka	
SHZ3	Shizuoka 3	
SHZE	Shinhuzimiza	
SHZJ	Shizuoka 2	
SI-	Smithers	SI-BC
SI2	Simi Peak	
SIA	Xi'an	
SIA1	Siatista	
SI-BC	Smithers	
SIBI	Sibayak Dolok	
SIBR	Sibiu	
SIC	Sept Iles	
SICA	Sicasica	
SICH	Sidi Chahed	
SID	Sida	
SIE	Siena	
SIEB	Ecole de Borzuat	
SIERE	Sierre	
SIG	South Ingalls	
SIGR	SIGRI	

Code	Station Name	Other
SIH	Signal Hill	
SII	Sitkinak Island	
SIJI	Sorong	
SIL	Silver Peak	
SILAM	Silistra	
SILB	Sidney Island	
SILC	Silvia	
SILE	Correggio--Silva	
SILI	Silifke-Mersin	
SILO	Sutton Inlier	
SILR	SILCHAR	
SILT	Sile	
SIM	Simferopol'	
SIM1	UHE Simplicio	
SIM2	UHE Simplicio	
SIMA	Simav-Kutahya	
SIMG	Tanzanite One Mining	
SIMI	Simarbalatuk	
SIMPL	Simplonpass	
SIMR	Simon	
SIMRM	Sittwe	
SIN	Shinagawa	
SINB	Sinanoba-Istanbul	
SIND	Sindeldorf	
SING	Singapore	
SINGM	SINGM	
SINGT	Singida	
SINI	Singah	
SINN	Sindhuli	
SINO	SINOP_Merkez	
SINP	Sinop	
SINS	Interlaken, Schloss	
SIO	Slick	
SIOM	Sion-Mayennets	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SIP	Shinkiari	
SIPA	Siparia	
SIPH	Barangay Tapao	
SIPM	Chiapas	
SIPP	Brgy, Tapao	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SIRB		
SIRC	Yozgat	
SIRI	Monte Sirino - Moliterno	
SIRN	S¯–rnak	
SIRR	Siria	
SIRT	Sirnak	
SIS	Sion	
SISB	Singen-Schiener Berg	
SISC	Sisak	
SISG	Sisimiut, Greenland	
SISI	Saibi	
SIT	Sitka	
SIT2	Siteia	
SIU	Simushir	
SIUC	Southern Illinois University	
SIV	San Ignacio	
SIVA	Sivas	
SIW	Isle of Wight	
SIY	Silver City	
SIZ	Stewart Island	
SIZA	Siya@14za@14n	
SJ-	San Jose (USA)	SJ-TX
SJA	San Juan	
SJAC	San Juan de Arama, Meta	
SJAF	Saint Jean de L'Alberes	
SJAS	San Jacinto	
SJB	Cape Saint James	
SJC	San Javier	
SJCC	San Jacinto, Colombia	
SJCH	San Jose de Maipo	
SJES	Sjenica	
SJG	San Juan	
SJGC	San Juan (W)	SJG
SJH	Saint Joseph Seminary	
SJI	Sawahan	
SJID	Saint Joe	
SJM	San Jose Maipo	
SJM1	San Juan de la Maguana	
SJMB	Sao Joao De Manteninha	
SJMO	Saint John's Bayou	
SJMP	San Jose	
SJN	San Juan, Peru	
SJNN	Saint John's	
SJP	San Juan	
SJPF	Ste Jean	
SJQ	San Joaquin Reservoir	
SJR	San Jose	
SJRM	San Jeronimo	
SJS	Escuela Geologia	
SJT	SanJuan Tecuaco	
SJ-TX	San Jose	
SJU	San Juan	
SJUU	Sjulsmark	
SJUZ	Santa Julia	
SJV	Saint John	
SJVR	San Javier	
SJX	San Joaquin	
SK-	Shamrock	SK-TX
SKA	Skalstugan	
SKAF	Kaiseraugst-Friedh	
SKAG	Skagway	
SKAR	Skarslia	
SKB	Skidegate	
SKBJ	Kato	
SKC	Skalna	
SKD	Sitkalidak Island	
SKDA	Skikda	
SKDB	Saint Kitts 2	
SKDS	Skadanscina	
SKG	Skaggs Springs	
SKGA	Skagway School	
SKH	Sakata 2	
SKHT	Srikalahasti	
SKHZ	Khezeriat	
SKI	Saint Kitts	
SKIA	Skiathos	
SKJI	Sukabumi	
SKK	Sikka	
SKL	Skilak	
SKLT	Songkhla	
SKLW	Kloten, Waffenplatz, ZH	
SKLY	Ski Hill Lift	
SKMB	Sankelmark Bunker	
SKMP	Bagumbayan, Sultan Kudarat, Philippines	
SKN	Skaneateles	
SKNT	Sakolnakorn	
SKO	Skopje	
SKO1	Skopelos Island	
SKOC	St. Kitts, UWI Open Campus	
SKOR	Skordalos	
SKP1	Kophill	
SKR	Severo-Kuril'sk	
SKR1	Skardu	
SKRK	Kreuzlingen, Kantonsschule TG	
SKSI	Soroako, Sulawesi	
SKT	Skwentna	
SKT*	Shikotan	SHO
SKTB	Turtle Beach	
SK-TX	Shamrock	
SKU	Sakura	
SKW	Shichikawa	
SKY	Skiros Island	
SKY1	Skyros Island	
SKZ	Skazka	
SL-	Sault Ste Marie	SL-ON
SL6*	Punta Lena	
SLA	San Lorenzo	
SLAC	Saint Lucia, Anse Canot	
SLAF	St Laurent du Var	
SLAT	Slait	
SLB	Belfond	
SLBB	Yuanshan	
SLBC	Solana Beach	
SLBI	Saint Lucia, Bisee	
SLBQ	St-Lucie-de-Beauregard	
SLBR	Solanea	
SLBS	Sierra La Laguna	
SLC	Salt Lake City	
SLCN	Sala Consilina	
SLCP	Castries, St. Lucia	
SLCR	Slobozia Conachi	
SLD	San Luis Dam	
SLDE	Delcer	
SLE	Schleitheim	
SLEB	Sale Mountain	
SLES	Espargos	
SLF	Silifke	
SLFK	Silifke-Mersin	
SLFW	Sugar Loaf	
SLG	Sinonel	
SLGI	Shiliguri	
SLGT	Liugui	
SLHN	Bing¯¶l/Solhan-Merkez	
SLI	Saint Lucia	
SLIT	Slitere, Latvia	
SLIU	Shizi	
SLK	Susurluk	
SLKI	Saumlaki	
SLKM	Skilak Lake	
SLKY	Flemingsburg	FLKY
SLL	Stollet	
SLM	Saint Louis	
SLMH	Al Salmeh	
SLMT	Seeley Lake	
SLN	Salinas	
SLNA	Salina	
SLNF	Slenfeh	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SLNS	Linosa	
SL-ON	Sault Sainte Marie	
SLP	San Antonio	
SLP01	Ubatuba-SP	
SLPA	Patience	
SLPE	Piton Saint Espirit	
SLPK	Sellapark	
SLQ	Saint Louis du Ha Ha	
SLR	Silverton	
SLS	Soengei Langka	
SLT	Salta	
SLTA	Morne Tabac	
SLTC	Salton Sea Test Base	
SLTI	Sal'it	
SLTM2	Linthal, Matt	
SLTN	Sullivan	
SLU	San Luis	
SLUB	Luzern Bramberg	
SLUK	Luzern Kirche, LU	
SLUM	Salum	
SLUW	Luzern Werkhofstrasse	
SLUZ	Luzern Zentralbibliothek	
SLV	Seldovia	
SLVF	La Salvetat-Peyrales	
SLVN	Son La	
SLVR	Solovky	
SLVT	Silivri	
SLW	Petit Monier	
SLWS		
SLX	San Luis R˜›o Colorado	
SLY	Sulaymaniyah	
SM-	Seymour	SM-TX
SMA	Summerton	
SMA1	SAN MARTINO	
SMAA	Simav-Kutahya	
SMAF	Mauren, Feuerwehr, FL	
SMAI	San Martin Antarctic Base	
SMAJ	Sumiya	
SMAM	San Marcos	
SMAN	Sihmah	
SMAO	Martigny, Rue dOctodure	
SMAR	Somma	
SMAV	Semnan-Aivanekay	
SMB	Samaipata	
SMB1	Colle San Martino	
SMBI	Sixmile Butte	
SMC	Somerset	
SMCB	Saint Mary's College	
SMCF	Saint Martin du Canigou	
SMCN	San Marcos	
SMCO	Snowmass	
SMCQ	St-Marc-des-Carri˜¤res	
SMD	Mendips	
SMDO	Samad	
SMDT	Samandagi	
SME	Santa Rosa Mine	
SMET	Mascalucia	
SMF	Signal de Mont	
SMG	Samos	
SMG1	Vathi Samos	
SMGA	Sumqayit	
SMGT	Moghavemat	
SMI	Simla	
SMIA	Simia	
SMIG	San Miguel	
SMIR	Smir Dam	
SMJ	Shimohsa	
SMJD	Shimonomoto	
SMJM	Simojovel	
SMK	Shimokamo	
SMKB	Mukjeong-gil	
SMKI	Samarinda	
SMKR	Semkarok	
SMKY	Sacramento	
SML	Sawmill	
SMLA	Simla	
SMLC	San Mart˜›n de Loba, Colombia	
SMLN	Simpson Lake, Nunavut	
SMLT	Sun Moon Lake	
SMM	Ste Marie-Mines	ECH
SMMC	Simmler	
SMMM	San Miguel	
SMMS	Six Mile Mountain	
SMN	Sleeping Mountain	
SMN1	Samana, DR	
SMNB	Stockdale Mountain	
SMNC	South Mountain	
SMNM	San Marcial	
SMNR	Sumner High School ANSS-SMO	
SMO	Santa Rosa Mountain	
SMOE	Moudon ˆcole, VD	
SMOL	Smolenice	
SMP	Somplago	
SMPI	Sarmi	
SMPL	Sampolo	
SMPN	Simpson Lake	
SMPP	San Manuel, Pangasinan, Philippines	
SMQ	Clarke City	
SMR	Semeru Mts	KEL
SMRC	Santa Marta, Magdalena	
SMRD	Mared	
SMRF	Simiane la Rotonde	
SMRH	Sumara - IBB Gov. - Yemen	
SMRI	Semarang	
SMRK	Smrekonice	
SMRM	Smir	
SMRT	St. Maarten	
SMS	Samos	
SMSC	Smeltzer Mountain	
SMT	Sultan-Mazar	
SMTB	Santa Maria do Tocantins	
SMTC	Superstition Mountain	
SMTH	Samothraki Island	
SMTM	Monte Santa Maria Tiberina	
SMTN	Short Mountain	
SM-TX	Seymour	
SMU	Sunnyside Mine	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMV	Samsville	
SMW	South Mountain	
SMWM	Sugarloaf Mountain West	
SMX	San Miguel	
SMY	Shemya	
SMZW	Muttenz-Waldhaus	
SN-	Sunflower	SN-AZ
SN1	Capo Mulini Mare	
SNA	Sanae	
SNAA	Sanae	
SNAL	S. Angelo Dei Lombardi	
SNART	Snartemo	
SN-AZ	Sunflower	
SNB	Saturna Island	
SNC	San Nicolas Island	
SNCC	San Nicolas Island	
SND	San Diego	
SNDA	J Saunders Place	
SNDB	Serra Nova Dourada	
SNDC	Sand Canyon	
SNE	Sinegor'e	
SNES2	Neuenburg, Observatorium, NE	
SNET	Serv Nac Est Terr	
SNF	Seneffe	
SNG	Songkhla	
SNGE	Sanandaj	
SNGI	Sangi-Kar	
SNGR	Sinegor'e	
SNGS	Sinegor'e	
SNGZ	Shannon Station	
SNH	Sunshine Point	
SNH1	Catey	
SNI	Sanriku	
SNIB	St. Niklaus Bahnhofstrasse	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SNIWA	Snively Ranch	
SNJ	Sinj	
SNJE	San Jose	
SNJI	Sawahan-Nganjuk, JISNET	
SNJR	Sundja	
SNJT	Kaohsiung City	
SNK	Salina	
SNKA	Sanak Island	
SNKN	Sanikiluaq	
SNL	Sevenhill	
SNLN	Sandy Lake, NWT	
SNM	Socorro	
SNN	Xining	
SNO	Snow College	
SNOP	Sinop	
SNOW	Snow King Mountain	
SNP	Sonepat	
SNPH	Sibulan	
SNPN	Snap Lake	
SNPY	Stony Point	
SNQN	Sanikiluaq	
SNQU	Santaquin	
SNR	Schaffner Ranch	
SNR3	Senerchia	
SNS	San Onofre	
SNSI	Sinabang, Aceh	
SNST	Tainan City	
SNT	Sears Point	
SNT1	Gialos, Santorini	
SNT2	Vlychada, Santorini	
SNT3	Karterados, Santorini	
SNT5	Nea Kammeni, Santorini	
SNTD	Shikano	
SNTG	Esanatoglia	
SNU	Stansbury North	
SNUT	Stansbury North	
SNVI	San Vicente	
SNW	Nanwan	
SNX	Sinaia	
SNY	Shenyang	
SNZ	Senzan	
SNZO	South Karori	
SO-	Sorel	SO-QB
SOA	Owia	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
SOC	Sochi	
SOCH	Soche	
SOCV	Socops	
SOCY	Socotra	
SOD	Sodankyla@14	
SODA	Al Sooda	
SOE	Somerset East	
SOEG	Soedalen	
SOEI	Soe	
SOF	Sofiya	
SOFL	Sornfelli, Faroe Islands	
SOFT	Gaziantep	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SOH	Sokhos	
SOHO	SOHO	
SOI	Samo	
SOIM	Smimou	
SOKA	Soboth	
SOKB	Sooke	
SOKR	Solikamsk	
SOKY	Sonora	
SOL	Solontsovaya	
SOLB	Solothurn Schulhaus Br‚…hl	
SOLC	Bahia Solano	
SOLO	Sioux Lookout	
SOLS	Olten Spital, SO	
SOLU	Sollefteaa	
SOLUN	Solunto	
SOLZ	Solothurn, Zeughausgasse	
SOM	Sombrero	
SOMN	Somoto	
SON	Sonneberg	
SONA	Sohna	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB2	Songino Ar. Site	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONE	Songea	
SONG	Songo	
SONM	Songino Array Beam Reference Point	
SONS	Sonsonate	
SONY	Sodus	
SOO	Sioux Lookout	
SOP	Sopron	
SO-QB	Sorel	
SOR	Soroa	
SORM	Soroca	
SORT	Sorpetalsperre	
SOS	Soda Springs	
SOSW	Source of Smith Creek	
SOTA	Rioblanco	
SOTR	Stolb	
SOTS	Sotra	
SOU	Souberoche	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SOV	Savoonga	
SOX	Sue Hot Springs	
SOYA	Soyapango	
SP2	Seward Park 2	
SP7	Salto Pilao - PR	
SPA	South Pole	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPAK	Spaichingen-Kochelsberg	
SPB	Sao Paulo	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
SPBA	Sand Point BB	
SPBC	San Pablo de Borbur, Boyac‚	
SPBG	Spurr Blockage Glacier	
SPC	Skalnate-Pleso	
SPCA	San Pietro in Casale	
SPCG	Spurr Capps Glacier	
SPCH	San Pedro de Atacama	
SPCI	Split Crater	
SPCN	Chakachatna North Broadband	
SPCP	Crater Peak Broadband	
SPCR	Spurr Chakachatna River	
SPD	Saint Peter's Dome Lookout	
SPE	Xi'an	XAN
SPF	St-Paul-en-Foret	
SPFD	Spotsylvania Fire Department	
SPG	Saltpond	
SPG2	Springville 2	
SPH	San Pedro Hill	
SPI	Saint Paul Islands	
SPIA	Saint Paul Island	
SPIE	Spinoso	
SPIF	cr˜te de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-C‚·te d'Azur	

Code	*Station Name*	*Other*
SPIG	San Pedro Martir	
SPIN	Swan Pond Ditch	
SP-IS	Saint Paul	
SPITS	Spitsbergen Array Beam Reference Point	
SPIZ	Spitak	
SPJ	Spur Tree	
SPJN	Shinpukuji	
SPK	Scotts Peak	
SPL	Spiridon Lake	
SPLB	Strathcona Park Lodge	
SPM	Ship Mountains	
SPMN	Marine on St. Croix	
SPN	Mys Shipunski	
SPN5	Spine 5 MSH Spider	
SPNC	Sapanca-Adapazari	
SPNN	North Nagishlamina, Mt. Spurr	
SPNW	Spurr Northwest	
SPNY	Stone Ridge	
SPO	Spokane	
SPP	Saint Paul	
SPP1	Sappes Rodopi	
SPR	Saint Pierre	
SPRD	Spring Road, Mineral	
SPRG	Spotted Range	
SPRM	Split Rock	
SPS	San Pedro Poas	
SPSI	Sidrap Palu	
SPSY	Saint Peters School	
SPT	South Point	
SPU	Mount Spurr	
SPUT	South Promontory Point	
SPV	Sa-pa	
SPVI	Shoe Peg Valley	
SPW	Seward Park	
SPWE	Spurr West	
SPX	San Pedro Martir	
SPY	Shingle Point	
SPY1	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SPZA	Spitak	
SQF	Squaw Harbor	
SQ-IS	Shemya	
SQK	Squaw Creek	
SQM	Sequim	
SQR	Saqqara	
SQTA	Sankt Quirin	
SQU	Squaw Peak	
SR-	Sparta	SR-OR
SRA	San Ramon	
SRA1	San Ramˆ‡n	
SRAK	Srakaew	
SRAT	Sarat Abidah	
SRB	Samuel	
SRBC	Serra Branca	
SRBF	Surbourg	
SRBI	Singaraja	
SRC	Salinas Radio Site	
SRCG	Sart'ichala	
SRCK	Saricakaya, Eskisehir	
SRD	San Andres	
SRDI	Scrawed	
SRDR	Sredinnyy	
SRDT	SRDT	
SRE	Strehaia	
SRER	Reinach, Rainenweg	
SRES	S.Oreste - Soratte	
SRF	Snake Ranch	
SRFA	Sharaf	
SRG	Seaman Range	
SRH	Rilland Hill	
SRHB	Riehen-Baumlih	
SRHE	Riehen, Erlenstrˆsschen, BS	
SRHH	Riehen, Zur Hoffnung, BS	
SRHM	Skhour des Rehamma	
SRI	Sefi@18d Ru@18d	
SRIG	Santa Rosalia	
SRIN	SRINAGAR	
SRIT	Nakonsritamarat	
SRJ	Sugihara	
SRJD	Shirakawa	
SRK	Sredniy Kalar	
SRKG	Sareki	
SRKR	Sorokina	
SRL	Santa Rosalia	
SRLM	Srisailam	
SRLN	Sarcpa Lake, Nunavut	
SRM	Socorro	
SRMB	Sarakhs	
SRMH	Minami-Gairin	
SRMY	Scherman	
SRN	Sarande	
SRN3	Sant'Arsenio	
SRNB	Snider Mountain Ranch	
SRNI	Srinagar	
SRNR	Reinach, Reinacherhof	
SRO	Srobarova	
SRO1	Iza	
SRO2	Moca	
SR-OR	Sparta	
SRP	Santa Rosa	
SRPD	Savannah River	
SRPE	Suurupi	
SRPI	Serui, Papua	
SRPN	Savannah River	
SRPW	Savannah River	
SRQ	San Roque	
SRR	Isla Socorro	
SRRS	Sarahart	
SRS	Serrai	
SRS1	Serres	
SRSP	Sriramsagar	
SRT	Sarutani	
SRTC	Snort	
SRTM	Siirt_Merkez	
SRU	San Rafael Swell	
SRV	Santa Rosalia	
SRVN	Saravan	
SRY	Shiroyama	
SS-	Sanderson	SS-TX
SS01	Susuman-Seymchan profile, station 01	
SS02	Susuman-Seymchan profile, station 02	
SS03	Susuman-Seymchan profile, station 03	
SS04	Susuman-Seymchan profile, station 04	
SS05	Susuman-Seymchan profile, station 05	
SS06	Susuman-Seymchan profile, station 06	
SS07	Susuman-Seymchan profile, station 07	
SS08	Susuman-Seymchan profile, station 08	
SS09	Susuman-Seymchan profile, station 09	
SS10	Susuman-Seymchan profile, station 10	
SS2	San Sevaine	
SS40	Seymchan - Ulakhan Temp Deploy	
SS41	Seymchan - Ulakhan Temp Deploy	
SS42	Seymchan - Ulakhan Temp Deploy	
SS62	Tal-Yuryakh Coal Mine	
SSA	Susara	SSR
SSAN	Sangsangzhen, Xizang Zizhiqu	
SSB	Saint Sauveur en Rue	
SSB3	San Sossio Baronia	
SSBA	Shishaldin	
SSC	Saint Sauveur de Carouges	
SSCN	Schweizerhalle, Novartis	
SSCV	Sassocorvaro	
SSD	Sandimen	
SSE	Sheshan	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SSFR	Montelago di Sassoferrato	
SSG	Sans Toucher	
SSH	Sunshine	
SSHG	Shadegan	
SSI	Semisopochnoi Island	
SSIB	Saltspring Island	
SSJ	Shinshu-shinm'i	
SSK	Sunset Peak	
SSKY	Summer Shade	
SSL	Sunset Lake	
SSLB	Suanglung	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SSM	Saint Martial	
SSM1	San Severino Marche	
SSN	San Juan del Sur	
SSNN	San Juan del Sur	
SSNO	Creighton Mine,Sudbury	
SSO	Sasso d'Italia	
SSOR	Sweet Springs	
SSP	Shoshone Peak	
SSP1	Stoney Pound	
SSP9	Sansepolcro	
SSPA	Standing Stone	
SSPT	Xinbi	
SSQ	Sandspit	
SSR	Susara	
SSS	San Salvador	
SSS1	John Stanford Center Downhole Anss-SM	
SST	Susitna	
SS-TX	Sanderson	
SSU	San Pedro Sula	
SSUO	Shawnee State University	
SSV	Crater Summit	
SSV2	Sao Salvador	
SSW	Stow on the Wold	
SSX	SS1	
SSY	Sortino	
SSYS	Sasyr	
SSZ	Sekisonzan	
ST-	Stillwater	ST-NV
ST00	South Deqen	
ST01	Deqen	
ST01S	Kamchatka temporary site	
ST02	North Deqen	
ST02S	Kamchatka temporary site	
ST03	South Boqe	
ST03S	Kamchatka temporary site	
ST04	Boqe	
ST05	North Boqe	
ST06	East Boqe	
ST07	Xuru	
ST08	North Xuru	
ST09	South Palgon	
ST1	Streeter	ST1TX
ST10	Palgon	
ST11	North Palgon	
ST12	Maintong	
ST12A	North Maintong	
ST13A	West Mington	
ST14	South Pangkog	
ST14A	Pangkog	
ST15	North Pangkog	
ST15A	South Serting	
ST16	Serting	
ST16A	Northeast Serting	
ST17	North Serting	
ST17A	South Bangong	
ST18	Southwest Bangong	
ST18A	East Bangong	
ST18S	Temporary aftershock station near Magadan	
ST19	Bangong	
ST19A	North Bangong	
ST1S	Stepanavan 1	
ST1TX	Streeter	
ST2	Streeter	ST2TX
ST20	Northwest Bangong	
ST20S	Temporary station #20	
ST21	South Bangong Suture	
ST21A	Bangong Suture	
ST21S	Temporary station #21	
ST22	North Bangong Suture	
ST22A	Northwest Bangong Suture	
ST22S	Temporary station #22	
ST23	Southeast Heping	
ST23A	Southwest Heping	
ST23S	Temporary station #23	
ST24	South Heping	
ST25	Heping	
ST25A	North Heping	
ST26	Southwest Doima	
ST26A	South Doima	
ST27	Doima	
ST28	North Doima	
ST29	Northeast Doima	
ST2S	Stepanavan 2	
ST2TX	Streeter	
ST30	West Twin Lake	
ST31	Northwest Twin Lake	
ST32	South Thanglha	
ST33	South Jangngalda	
ST34	Jangngalda	
ST35	North Jangngalda	
ST36	Nowhere	
ST37	North of River	
ST38	More Nowhere	
ST39	Middle Nowhere	
ST4	Streeter	ST4TX
ST40	Last Nowhere	
ST4TX	Streeter	
ST7	Stepanavan 7	
STA	Satara	
STA0	Thessaloniki S.S. Downhole	
STA1	Thessaloniki S.S. Downhole	
STAB	Staufenbuehl	
STAF	Tafers	
STAL	STALIGIAL	
STAN	Stanford	
STAR	Star City	
STAT	Sint Eustatius	
STAU	Staufen im Breisgau	
STAV	Stavanger	
STAX	Taxiarchis Harbor, Nea Kameni, Santorini Island.	
STB	Steinbach	
STC	Stone Canyon Observatory	
STCC	Santa Clara	
STCH	Steam Cracks	
STCO	Saint Catharines	
STCR	Santa Cruz	
STCW	Studenec	
STD	Studebaker Ridge	
STDB	Stepnoy Dvorets	
STDG	Sesta Godano	
STDO	Santo Domingo	
STDR	Stavd-Durt	
STE	Stepanavan	
STEI	Steigen	
STEIN	Stein am Rhein	
STEP	BALIKESIR_Savastepe	
STET	Saint-Etienne-de-Tinee	
STEW	Steamboat Mountain	
STEZ	Stepenevan	
STF	Statfjord A Platform	
STFAR	Stefanesti-Arges	
STFQ	Sainte-Ursule	
STFR	Stefanesti	
STG	Strathgordon	
STGK	St. Gallen Kloster	
STGR	Santa Cruz	
STGV	Strathgordon Vge	
STH	Stony Hill	
STHK	Thun, Kantonsschule BE	
STHS	Stebnicka Huta	
STI	Star Valley	
STIA	Sitia Lasithi	
STID	Stanley	
STIEG	Stiegenhof Hundestation	
STIL	E St Louis HE Ctr	
STIP	Stip	
STJ	Saint John's	
STJA	Cape St.James	
STJN	Saint John's	
STK	Stephens Creek	
STKA	Stephens Creek	
STKI	Sintang	
STKP	Saint Kitts	
STKZ		
STL	Santa Lucia	
STL1	Stavrpu;p[is Thessaloniki	
STLK	Strandline Lake	
STLN	Stellar Camp, Hudson Bay	
STLY	Stiles	
STM	Slate Mountain	
STMA	St. Maarten, Airport	
STMI	Saint Michael	
STMT	Stillwater Mine	
STN	Seatoun	
STN3	Satriano di Lucania, Italy	
STNC	Stoke	
STNU	Starunia	
ST-NV	Stillwater	
STO	Stonyhurst	
STOF	St-Etienne Orgue	
STOK	Stokkvaagen	
STOK1	Konsvik	
STOK2	Flostrand	
STON	Ston	
STOQ	Stoneham	
STP	Stepladder Mountains	
STPQ	St-Pascal	
STPRA	Salt Prairie Lookout Tower, Alberta	
STR	Strasbourg	
STR2	Strathalbyn	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
STRD	Stroud	
STRE	Sannotorii	
STROF	presqu'˜file de Saint-Tropez - 83065, Gassin	
STRR	Strizhament	
STRS	Struganik	
STRU	Stroemstad	
STRW	Triesenberg, Werkhof, FL	
STS	Santiago	
STSP	Tschierv	
STT	Seattle	
STTC	Scott Ranch	
STU	Stuttgart	
STUQ	Sainte-Ursule	
STV	Sant Anna di Valdieri	
STV1	Stavros	
STV2	Sant' Anna di Valdieri 2	
STVI	Saint Thomas	
STW	Striped Peak	
STW1	West of Nyma	
STWA	Stillwater	
STX	Station 2	
STY	Stony River	
STYT	Tauyuan	
STZ	Stratford	
STZU	Stuzhytsa	
SU-	Schuyler	SU-VA
SUA	Susitna One	
SUBF	Surbourg	
SUC	Sucre	
SUCA	Sunchang	
SUCK	Suckling Hills	
SUCO	SUCO	
SUD	Sudbury	
SUDU	Sudak	
SUE	Sulen	
SUF	Sumiainen	
SUFF	Suffern	
SUG	Sugar Island	
SUH1	Surhuizum	
SUH2	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUI	Sui-hua	
SUK	Suckling Hill	
SUKH	Sukhothai	
SUKT	Sukute	
SUL	Sulphur Creek	
SULB	Vanderhoof	
SULJ	Sultana	
SULR		
SULT	Sultanhani-AKSARAY	
SULZ	Cheisacher	
SUM	Sumoto	
SUMB	Sumbawanga	
SUMG	Summit	
SUMJS	Umluj	
SUN	Sunnyside	
SUNK	Sunasenri	
SUNO	Sudbury Onaping	
SUO	Sudbury	
SUP	Superstition Mountain	
SUR	Sutherland	
SURA	Surathani	
SURC	SANLIURFA_SURC	
SURF	Saint Ours	
SURI	Summit Reservoir	
SURT	Suratani	
SURV	Survey Creek	
SUS	Susaki	
SUSD	Miller	
SUSE	Susehri	
SUSZ	Shushi	
SUT	Suttsu	
SUT1	Suttsu	
SUTB	Sutter Butte	
SUTC	Sutluce-Isparta	
SUU	Santaquin Canyon	
SUUS	Susuman	
SUV	Suva	
SU-VA	Schuyler	
SUW	Suwalki	
SUZ	Suez	
SV-	Springerville	SV-AZ
SV2	Schefferville	SV2QB
SV2QB	Schefferville	
SV3	Schefferville	SV3QB
SV3QB	Schefferville	
SVA	Suva	
SVAM	Vaz, Muldain	
SVAN	Silvan-Diyarbakir	
SVAU	Svanoeiden	
SV-AZ	Springerville	
SVB	Belmont	
SVBS	Severo-Baykalsk	
SVC	Silver Creek	
SVCV	St. Vincent, Congo Valley	
SVD	Seven Oaks Dam	
SVE	Sverdlovsk	
SVG	Indian Gallows	
SVGA	Savoonga	
SVI	Saint Vincent	
SVIL	Visp Littennaring	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
SVIO	Visp Obere Stapfengasse	
SVIS	Svilajnac	
SVISP	Visp, Lonza VS	
SVIT	Visp-Terbinerstrasse	
SVK	Severo-Muysk	
SVKR	Severomuysk	
SVL	Baleine	
SVLR	Shiveluch	
SVM	Silver City	
SVMA	Madeiral	
SVMT	Summit Valley	
SVN	Savane Anatole	
SVNB	Stilesville Quarry	
SVO	Savo	
SVOC	Richmond Hill, Kingstown, St. Vincent	
SVOH	Skagit Valley Community College ANSS SMO	
SVP	Silver Peak Range	
SVR	Savage River	
SVRC	Sivrice-ELAZID	
SVRH	Sivrihisar-ESKISEHIR	
SVS	Slandsville	
SVSK	Karacayir	
SVST	Sivas	
SVT	Saint Vincent	
SVT1	Savuti	
SVTA	Shivta	
SVTC	San Vito de Coto Brus	
SVTR	Two Rivers School, Snoqualmie Valley	
SVUR	Severouralsk	
SVV	Soufriere Volcano	
SVW	Sparrevohn	
SVW2	Sparrevohn	
SW-	Sweetgrass	SW-MA
SWA	Swan Island	
SWA1		
SWA2		
SWAJ	Obama	
SWAN	Swansea	

Code	Station Name	Other
SWB	Southwest Bay	
SWD	Swaziland	
SWET	Sewanee	
SWFL	Southwest Flank Mount Saint Helens	
SWG	Swingate, Kent	
SWH	Southwest Rift	
SWHSA	Sweathouse Lookout Tower, Alberta	
SWI	Sorong	
SWID	South Whidbey SD ANSS-SMO	
SWIP	Sombrero	
SWIS	Winterthur Spital, ZH	
SWK	Warminster	
SWL	Swaziland	
SWM	Sawmill	
SWM1	Swabi Mera	
SW-MA	Sweetgrass	
SWMT	Swartz Lake	
SWN	Stillwater	
SWN1	Swindon	
SWNG	Sheriff Wilson	
SWO	Sudbury	
SWP	Swamp Creek	
SWQJ	Swaqa	
SWR	Swabi-Maira	
SWS	Schriesheim-Wilhelmstollen	
SWSC	Sam W. Stewart, Westmorland	
SWT	Sachs Harbour	
SWTN	Sewanee	
SWV	Swan View	
SWXO	Sudbury	
SWZ	Schweizer	
SX-	Salem	SX-SD
SXG	Sacranix	
SXM	Sixmile	
SXO	Sioux Lookout	
SX-SD	Salem	
SXT	Sachs Harbour	
SY-	Stickney	SY-SD
SYA	Sidi Yaiche	
SYD	Sydney	
SYDH	Sydney Hard Rock	
SYDS	Sydney Soft Rock	
SYI	Shuyak Island	
SYJ	Shimoyama	
SYKR	Syktyvkar	
SYL	Syllakh	
SYO	Syowa Base	
SYON	Say'un	
SYP	Santa Ynez Peak	
SYR	Smyrna	
SYS	San Ysidro	
SY-SD	Stickney	
SYT	Seydisehir	
SYU	Syuhurei	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SYVR	Suvo	
SYZ	Scrubby Hill	
SZ-	Shoal	SZ-NV
SZAC	Souni	
SZAF	Shezaf	
SZBH	soultz borehole - etangs GEIE	
SZCU	Shurtz Canyon	
SZD1	Zahaedan-tmp	
SZE	Szeged	
SZER	Zernez	
SZG	Shizugawa	
SZH	Strazhica	
SZ-NV	Shoal	
SZO	Sudbury	
SZP	Santa	
SZUZ	Z¨…rich, Zeughauswiese	
SZVM	Salazar	
T0101	Poggio Santa Maria	
T0102	San Vittorino	
T0103	L'Aquila	
T0104	Madonna delle Grazie (Coppito)	
T0105	Valle d'Ocre (Ocre)	
T0106	Roio Piano	
T0107	San Pelino (Cagnano Amiterno)	
T0108	Poggio di Roio	
T0109	Coppito (AQ)	
T0110	Collepietro	
T0201	Case Giovannangeli - (Balsorano -AQ)	
T0202	Vitale (Isola del Liri - FR)	
T0203	Casalattico (FR)	
T0204	Pescasseroli (AQ)	
T0205	Ridotti (Balsorano, AQ)	
T031	T031	
T034	T034	
T035	T035	
T036	T036	
T037	T037	
T038	T038	
T039	T039	
T0401	Montottone (Fermo)	
T0402	Abbadia di Fiastra (Tolentino)	
T043	T043	
T044	T044	
T0501	Spinello di Santa Sofia (FC)	
T0502	Localit¨ San Martino (Sarsina - FC)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
T052	T052	
T053	T053	
T054	T054	
T056	T056	
T057	T057	
T058	T058	
T059	T059	
T05C	Eagle Field, Dos Palos	
T061	T061	
T065	T065	
T066	T066	
T067	T067	
T068	T068	
T069	T069	
T06C	Millerton Lake Dam, Friant	
T070	T070	
T0701	Viggianello (PZ)	
T0702	Acquaformosa (CS)	
T071	T071	
T0711	Rotonda (PZ)	
T0712	Santa Domenica Talao (CS)	
T0715	Campotenese	
T0716	Rotonda - Contrada Piano Incoronata (PZ)	
T0724	Tremoli - CS	
T073	T073	
T074	T074	
T075	T075	
T076	T076	
T077	T077	
T0800	Massa Finalese, Finale Emilia (MO)	
T0802	SanFelice sul Panaro (MO)	
T0803	Dosso, Cento (FE)	
T0805	Bondeno (FE)	
T0811	Palata Pepoli (BO)	
T0812	Loc. Stoppiaro, Poggio Rusco (MN)	
T0813	Massa Finalese, Finale Emilia (MO)	
T0814	Loc. Cortile, Carpi (MO)	
T0815	Correggio (RE)	
T0816	San Bartolomeo in Bosco (FE)	
T0817	Loc. Veratica, Salara (RO)	
T0818	Loc. Fossa, Concordia sulla Secchia (MO)	
T0820	Chiesuol del Fosso FE	
T0821	Loc. Casaglia - Ferrara (FE)	
T0822	Casumaru (Bondeno - FE)	
T0823	Castello D'Argile (BO)	
T0824	Loc. Limidi di Soliera, Soliera (MO)	
T0825	Gonzaga (MN)	
T0826	Rio Saliceto (MN)	
T0827	Moglia (MN)	
T0828	Loc. Fossoli, Carpi (MO)	
T0911	Castelpoggio (MS)	
T0912	Minucciano (LU)	
T0913	Tendola (MS)	
T0914	Serretta (MS)	
T0915	Sillano (LU)	
T0916	Careggine (LU)	
T1011	San Potito Sannitico (CE)	
T1012	Faicchio (BN)	
T10G	T10G	
T11A	Corn Creek, Alamo	
T11G	T11G	
T12A	Moapa	
T12G	T12G	
T13A	Saint George	
T13G	T13G	
T14A	Hurricane	
T14G	T14G	
T14S	T14S	
T15A	Red Dirt Ranch, Kanab	
T15G	T15G	
T16A	Glen Canyon Dam (NPS), Page	
T16G	T16G	
T16S	T16S	
T17A	Navajo Res., Navajo Mountain	
T17G	T17G	
T18A	Mexican Hat	
T18G	T18G	
T18S	T18S	
T19A	Beclabito	
T19G	T19G	
T1BD	T1BD	
T1BG	T1BG	
T1MG	T1MG	
T21A	Navajo Lake, Ignacio	
T21G	T21G	
T22A	Edith	
T22G	T22G	
T23A	Casias Ranch, Antonito	
T24A	Torres, Weston	
T24B	San Luis	
T24G	T24G	
T25A	Trinidad	
T25G	T25G	
T26A	Comanche National Grassland Park, Kim	
T26G	T26G	
T27A	Campo	
T27G	T27G	
T28A	Walsh	
T28G	T28G	
T29A	Hugoton	
T29G	T29G	
T2BD	T2BD	
T2BG	T2BG	
T2MG	T2MG	
T30A	Plains	
T30G	T30G	
T30S	T30S	
T31A	Randall Ranch, Ashland	
T31G	T31G	
T32A	Huddler Ranch, Lake City	
T32G	T32G	
T33A	Patterson Ranch, Waldron	
T33G	T33G	
T34A	McClaskey Farms, Geuda Springs	
T34G	T34G	
T35A	Sooner Cattle Company, Foraker	
T35G	T35G	
T36A	Boggs Farm, Caney	
T36G	T36G	
T37A	Cheneyville 1850, Columbus	
T37G	T37G	
T38A	Diamond	
T38G	T38G	
T39A	Clever	
T39G	T39G	
T3BD	T3BD	
T3BG	T3BG	
T3MG	T3MG	
T40A	Mansfield	
T40G	T40G	
T40S	T40S	
T41A	Mountain View	
T41G	T41G	
T41S	T41S	
T42A	Van Buren	
T42G	T42G	
T42S	T42S	
T43A	Greenville	
T43G	T43G	
T44A	Benton	
T45A	Paducah	
T45G	T45G	
T46A	Princeton	
T46G	T46G	
T47A	Sharon Grove	
T48A	Bowling Green	
T48G	T48G	
T49A	Edmonton	
T49G	T49G	
T4BD	T4BD	
T4BG	T4BG	
T50A	Nancy	
T50G	T50G	
T51A	Gray	
T51G	T51G	
T52A	Hallie	
T52G	T52G	
T53A	Wise	
T53G	T53G	
T54A	Tazewell	
T54G	T54G	
T55A	Pulaski	
T55G	T55G	
T56A	Rocky Mt	
T57A	Hurt	
T58A	Grand View Acres	
T59A	Double "B" Farms	
T5BD	T5BD	
T5BG	T5BG	
T60A	Surry	
T60G	T60G	
T60S	T60S	
T61G	T61G	
T6BD	T6BD	
T6BG	T6BG	
T6MG	T6MG	
T7BD	T7BD	
T7BG	T7BG	
T7MG	T7MG	
T801	T801	
T802	T802	
T803	T803	
T804	T804	
T805	T805	
T806	T806	
T807	T807	
T808	T808	
T809	T809	
T810	T810	
T811	T811	
T812	T812	
T813	T813	
T814	T814	
T815	T815	
T816	T816	
T817	T817	
T818	T818	
T819	T819	
T820	T820	
T897	T897	
T898	T898	
T899	T899	
T8MG	T8MG	
T998	T998	
T999	T999	
T9BG	T9BG	
TA01	Diego Aracena	
TA02	Huaiquique	
TA1	Taranto	TTI
TAA	Terre Adelie	
TAB	Tabri@18z	
TABB	Tabernacle Mountain	
TABL	Table Mountain	
TABN	Tabernacle	
TABS	Tabas	
TABU	Tabubil	
TAC	Tacubaya	
TACA	TACA	
TACH	Talagante	
TACO	Tacachico	
TACS	Tanaga Cape Sajaka	
TACV	T¨¡cata	
TAD	Tadotsu	
TADQ	Tadoussac	
TAE	Taegu	
TAF	Taforalt	
TAF1	Taif	
TAFL	Tanaga Flats	
TAFP	Tanaga Falls Point	
TAG	Tarade	
TAGA	Panbu Gunsar	
TAH	Tahiti	
TAHR	Tahoe	
TAHT	Tahtakopru-Hatay	
TAHZ	Taraponui	
TAI	Tainan	
TAI1	Yung-k'ang	
TAI2	Tainan City	
TAIF	At Ta'if	
TAIS	Taisha	
TAIZ	Ta'izz	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
TAK	Takaka	
TAKK	Taka-dake	
TAKN	Takayama	
TAKO	Tahkenitch	
TAL	Talara	
TALB	Tatla Lake BC	
TALC	Talca	
TALL	Tallowa Pump Stn	
TALM	Tallowa	
TAM	Tamanrasset	
TAMB	Tambo	
TAMC	Tame, Arauca	
TAMH	Tambohuasha	
	Chimborazo	
TAMR	Tamra	
TAMRE	El Minia	
TAN	Tananarive	
TANI	Tanete Lipujang	
TANM	Chiapas	
TANN	Tannenbergsthal	
TANO	Tanaga North	
TANS	Tal'yany, Baikal	
TANT	Tantan	
TANV	Tanna	
TAO	Talbingo	
TAOE	Nuku Hiva Island	
TAP	Taipei	
TAP1	Taipei	
TAPA	Tanaga Point Aries	
TAPN	Taplejung	
TAPR	Tapar	
TAR	Taranto	
TAR1	Taranto	
TAR2	Tarbela	
TARA	Tarawa	
TARAI	Tarakan	
TARG	Taragay, Kyrgyzstan	
TARU	Tarkhankut	
TARW	Grand Targhee Resort	
TARZ	Mount Tarawera	
TAS	Tashkent	
TASB	TASBURUN-IGDIR	
TASE	Tanaga Southeast	
TASL	Snake Pit, Albuquerque Seismic Lab	
TASM	ASL Pad, Albuquerque Seismic Lab	
TASR	Tashtagol	
TAT	Tateyama	
TATC	Tatama	
TATH	Tatsuka	
TATJ	Tateyama 2	
TATM	Tatong	
TATN	Tataouine	
TATO	Taipei	
TATR	Tatarca	
TATRI	Thathri	
TATS	Tathlith	
TATV	Tatvan	
TAU	Tasmania University	
TAUL	Tau Lekoa	
TAUS	Tauisk	
TAUT	Tautenburg	
TAV	Tavurvur	
TAV1	Tavarnelle	
TAVA	DENIZLI_Tavas	
TAVF	Tavernes	
TAW	Tawu	
TAWA	Tawang	
TAY	Tayabas	
TAYS	Tayyib Ism	
TAZ	Tarawera	
TBBG	TBBG	
TBC	Trig B	
TBG	Guadaloupe-3	
TBGR	Tabaga	
TBH	Brigand Hill	
TBI	Tubuai	
TBJI	Tambak Boyo	
TBK	Tabalakh	
TBKS	Tabuk	
TBL	Tabele	
TBLA	Tarbella	
TBLG	Delisi	
TBLU	Trondheim	
TBM	Table Mountain	
TBO	Thunder Bay	
TBP	Tagbilaran	
TBPA	Tacoma Substation	
TBR	Table Rock	
TBRR	Tiberkul'	
TBS	Tobishima	
TBS2		
TBT	Taburiente	
TBTG	Tabatinga, AM	
TBTR	Tabat	
TBVI	Tortola	
TBW	Brentwood	
TBY	Torsby	
TBZ	Trabzon	
TC-	T or C	TC-NM
TCA	Tanti	
TCBC	Telegraph Creek	
TCBU	Trout Butte	
TCC	Turnbull Canyon	
TCE	Chacachacare	
TCF	Toulx Ste Croix	
TCG	Tacana	
TCH	Chimkent	CHM
TCHB	Talchebab	
TCHG	Chaguaramas	
TCHL	Shandon	
TCHZ	Tchakhmakh	
TCK	Tuttle Creek Reservoir	
TCM	Tucuman	
TCMO	Camaiore	
TCN	Toconce	
TC-NM	Truth or Consequences (T or C)	
TCNV	Thirsty Canyon	
TCO	Three Creek Meadows	
TCOL	CIGO, UAF Yankovich Road, Fairbanks	
TCP	Tocopilla	
TCPM	Tecamachalco	
TCPZ	Tecapa	
TCR	Colchester	
TCRU	Three Creeks Reservoir	
TCSI	Telchick Spring	
TCSL	Casola in Lunigiana	
TCSO	Tacares	
TCT	Tennessee City	
TCU	Taichung	
TCUP	Taichung Port	
TCUT	Toone Canyon	
TCVU	Timpanogos Cave	
TCW	Tory Channel	
TCX	Tecpatan	
TCY	Tin City	
TD-	Tres Piedras	TD-NM
TDA	Talladega	
TDAG	Tekirdag	
TDBA	Terre de Bas, Les Saintes	
TDC	Trinidad (USA)	

Code	*Station Name*	*Other*
TDC1	Tristan de Cunha	
TDCB	Techi	
TDD	Tadjoura Ara	
TDH	Tom, Dick, Harry Mountain	
TDJ	Tadjoura	
TDJR	Todzha	
TDK	Taldyqorghan	
TDL	Tradedollar Lake	
TDM	Tucson Desert	
TDMT	Tunduma	
TDN	Todenfeld	
TD-NM	Tres Piedras	
TDR	Todoroki	
TDS	Terranova Sibari	
TDT	Tavil'dara	
TDV	Tam Dao	
TE-	Thule	TE-GL
TEB	Eastbourne	
TEBE	Entebbe	
TEC	Tlemcen	
TEC1	Magadan Thermoelectric Plant	
TECA	Tecapa	
TECM	TEC LaTrobe	
TEE	Teeples Ranch	
TEGC	Jichi Village	
TEGH	Tema	
TEGI	Teggiano - Istituto P. Leto	
TE-GL	Thule	
TEH	Tehran	
TEHZ	Te Atua	
TEIG	Tepich	
TEJ	El Tejon	
TEK	Teekin	
TEK1	Thessaloniki EKO Refinery	
TEKE	Tekeli-Mersin	
TEKS	Tekeris	
TEL	Teeli	
TEL3	Telica 3	
TELN	Telica	
TEM	Temuco	
TEME	Temeni, Aigialia, West Greece	
TEN	Tenerife	
TENA	Tena	
TEND	Ethiopian Broadband Seismic Experiment	
TEO	Teotitlan	
TEOL	Teolo	
TEP	Tecpan	
TEPE	Tepekoy-Mersin	
TEPK	Tepekoy-MERSIN	
TEPV	Terepaima	
TER	Terranova	
TER01	Tubarˆ£o-SC	
TERC	Ethiopian Broadband Seismic Experiment	
TERF	Tercis-les-Bains	
TERO	Teramo	
TERP	Poasito	
TERV	Terraza Guagua	
TES	Teshikaga	
TESR	Tescani	
TET	Tete	
TETM	Tetitlan	
TEVE	Tevekalti-Mersin	
TEY	Ternei	
TEYL	Yanliau Village	
TEZP	TEZPUR	
TF-	Taft	TF-CL
TF-CL	Taft	
TFIV	Fivizzano	
TFLT	Tafoughalt	
TFO	Tonto Forest Array	
TFO1	Folkestone	
TFRB	Telus,Franklin R.	
TFT	Tounfite	
TG-	Tongareva I.	TG-IS
TGBT	Tuxtla Gutierrez	
TGI	Taghi Ghambar	
TGIG		
TG-IS	Tongareva Island	
TGJI	Tegal	
TGL	Tana Glacier	
TGN	Turgen	
TGRV	El Tigre	
TGRZ	Tauranga	
TGT	Taghat	
TGUH	Tegucigalpa,Univ of Honduras	
TGV	Tuan Giao	
TGY	Tagaytay City	
THA	Thala	
THAK	Thakurichhap	
THAL	Thalero	
THAS	Thassos island	
THC	Tehachapi Microwave	
THE	Thessaloniki	
THE6	Thessaloniki CITY Hotel	
THE7	Thessaloniki sewage pipe	
THEF	They Montfort	
THI	Terre Haute	
THIG		
THIS	South End of Cholame Valley, Shandon	
THK	Tsim Bei Tsui	
THKV	Tehran--Karaj	
THL	Klokotos Trikala	
THMB	Thunder Mountain BC	
THN	Thein Dam	
THO	Tonto Hills Observatory	
THO1	Thor	
THOB	Mount Thompson	
THP	Tara Hills	
THR	Tehra@18n	
THR1	Thera Island	
THR2	Thira island, Vourvoulos	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR5	Thira Island, Kera	
THR6	Thira Island, Akrotiri	
THR7	Fira-Santorini	
THR8	Santorini-Monolithos	
THR9	Santorini-Faros Akrotiriou	
THRC	Three Sisters	
THRI	Tanaharon	
THS	The Heights School	
THS1	Thassos, Thassos Island	
THT	Papeete	
THT1	Athinios (Pelekanos)	
THT2	Imerovigli	
THTN	Thala	
THTRI	Thathri	
THU	Thule	
THUI	La Thuile	
THULE	Thule	
THV	Thanh Hoa	
THV2	THIVAI	
THW	Thamme Wali	
THWA	Thˆ…ringer Wald Luisenthal	
THY	Trims Highway	
THZ	Tophouse	
TI2	Plekhanov	
TIA	Tai'an	
TIAR	Tiarei	
TIC	Toumodi	
TICN	Ticuantepe	
TID	Three Point Mountain	
TIE	Tianjin	
TIF	T'bilisi	
TIG	Tigre	
TIG2	Tigre 2	
TIGA	Tifton	
TIGG	Tignish, PEI	
TIGL	Tigil	
TIH	Tihany	
TIJ01	Guaruva-PR	
TIK	Tiksi	
TIL	Tilichiki	
TILK	Tilichiki	
TILR	Tilichiki	
TIM	Timisoara	
TIMB	Timberline	
TIMO	Timmins Ontario	
TIN	Tinemaha, Big Pine	
TINA	Tinaroo	
TING	Casa Alexandra Alvarado - Tingo	
TINT	Rio Tinto	
TI-NV	Tolicha Peak	
TIO	Tiouine	
TIOV	TMO PEDROTE	
TIP	Timpagrande	
TIPB	Shuangxi	
TIPT	Tiptonville	
TIR	Tirane	
TIR1	Institute of Geosciences in Tirana	
TIRA	La Tirana	
TIRR	Tirgusor	
TIS	Tissa	
TISA	Tisan-Mersin	
TISM	Timmit	
TISN	Laguna Tiscapa	
TIT	Squaw Tit	
TITE	Tito	
TIWZ	Tintock	
TIXI	Tiksi	
TIY	Taiyuan	
TIYB	Tien Yen	
TJC	Trinidad (USA)	
TJIG	Tijuana	
TJN	Taejon	
TJOU	Tjoern	
TJR	Tejon Ranch	
TK-	Tonasket	TK-WA
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
TKA	Tanaka	
TKB	Tkibuli	
TKC	Tsukechi	
TKCO	King County	
TKD	Takada	
TKDS	Koohdasht(Tabas)	
TKE	Take-yama	
TKEZ	Kiri Road	
TKGZ	Te Karaka	
TKI	Tkibuli	
TKJ	Takada	
TKJD	Tokuyama	
TKK	Topkok	
TKL	Tuckaleechee Caverns	
TKM	Takamatsu	
TKM2	Tokmak 2	
TKMK	Tokmak	
TKN	Takane	
TKO	Trask Mountain	
TKR	Tekirdag	
TKS	Tokushima	
TKSJ	Tokushima 2	
TKT	Tuktoyaktuk	
TKTP	Tekketepe	
TKU	Takayasuyama	OSK
TK-WA	Tonasket	
TKX	Tecate	
TKY	Takayama	
TKZ	Takazawasan	
TLA	Tapachula	
TLAR	Talaya	
TLB	Topalu	
TLBR	Topalu	
TLBS	Tolbacick	
TLC	Trig L	
TLCB	Telegraph Cove	
TLCR		
TLE	Tual	
TLEK	Tau Lekoa	
TLG	Talgar	
TLI	Talmassons	
TLIG	Tlapa	
TLIS	Tenkeli	
TLK	Talkeetna Mountains	
TLL	Tololo Astronomical Observatory	
TLLA	Tiendilla	
TLM	Tolmezzo	
TLN	Talang	
TLNG	Tallong	
TLO	Toledo HGLP	
TLOR	Lorca, Murcia	
TLP	Tuguegarao	
TLR	Teller	
TLS	Talasea	
TLT	Tellico Plains	
TLUC	Lucca	
TLV	Tu Ly	
TL-WY	Thermopolis	
TLX	Tulancingo	
TLY	Talaya	
TLZ	Tolley Road	
TM-	Tomahawk	TM-WS
TMA	Tamaro	
TMAB	Tomˆ'-Aˆ§u,PA,Brazil	
TMB	Temblor Range Southeast	
TMBK	Timbaki Heraklio	
TMBR	Timber Mountain	
TMC	Table Mountain	
TMCH	Temuco	
TMCR	Tamitsa	
TMD	Tamdy-Bulak	
TMDA	Turtle Mountain	
TMDB	BangkokBB_BH_low_level	
TME	Tecomasuche	
TMI	Taylor Mountain	
TMIA	Guayabo	
TMK	Temiskaming	
TML	Taimylyr	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
TMN	Timber Mountain	
TMN1	Menemeni	
TMO	Tin Mountain	
TMP	Tomahawk Gully	
TMR	Tomakomai	
TMS	Mera	
TMT	Talcott Mountain	
TMU	Temuco	
TMU2	Macedonia Univ,	
TMUT	Trail Mountain	
TMVZ	Te Maari	
TMW	Tok Microwave	
TM-WS	Tomahawk	
TMWZ	Te Maipa	
TMX	Tampico	
TMZ	Timaru	
TN-	29 Palms	TN-CL
TNA	Tin City	
TNAK	Tsuna	
TNB	Tanabu	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TN-CL	Twentynine Palms	
TNDR	Tynda	
TNE	Ternate	
TNF	Tounfite	
TNG	Tangerang	
TNGL	Gungliau Township	
TNGT	Tongatapu	
TNH	Tianshui	
TNJ	Tannan	
TNK	Tinkers Knob	
TNKJ	Nakagawa	
TNKS	Turikan	
TNL	Tonnelnyy	
TNN	Tanana	
TNO	Torino	
TNOU	National Taiwan Ocean University, Keelung City	
TNP	Tonopah	
TNR	Turnu Rosu	
TNRJ	Tenryu	
TNS	Taunus Mts	
TNSA	Tinos	
TNSD	Shindian Village	
TNSJ	Nastanj	
TNSS	Tian-Shan	
TNT	Toronto	
TNTG	T'onet'i	
TNTI	Ternate	
TNU	Tenhult	
TNV	Terranova Bay	
TNZ	Tarata	
TO-	Tishomingo	TO-OK
TO01	Tolfa - RM	
TO02	Allumiere - RM	
TO03	Canale Monterano - RM	
TO04	Tolfa - RM	
TO05	Santa Marinella - RM	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TO08	Barbarano Romano - VT	
TO09	Civitella Cesi - VT	
TOA	Tolsona	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOA3	Torodi Ar. Site	
TOAZ	Toaza	
TOB	Tobago	
TOB1	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOBO	Tobermory, Bruce Peninsula National Park	
TOBT	Tobi-shima	
TOC	Tocklai	
TOC1	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOCH	Tocopilla	
TOD	Tromm	
TOF	Tornio	
TOFB	Tofino	
TOG	Togane	
TOI	Tomamai	
TOK	Tokyo	
TOK1	Tok Station 1	
TOK2	Tok Station 2	
TOK3	Tok Station 3	
TOK4	Tok Station 4	
TOKA	Tokat	
TOKL	Toktogul	
TOKT	Tokat	
TOL	Toledo	
TOLC	Tolima	
TOLF	Tolfa	
TOLI	Toli-Toli	
TOLI2	Tolitoli	
TOLK	Toolik Lake Research Station	
TOLO	Toledo BPA CREST BB SMO	
TOM	Tomie	
TOMM	Thomson	
TON	Tongariro	
TONGO	Tortengo (Faido)	
TONS	Talon	
TOO	Toolangi	
TO-OK	Tishomingo	
TOP	Topolovo	
TOPG	Topolog	
TOPM	Tallapoosa	
TOPO	Topo	
TOPPO	Toppo, Italy	
TOR	Tori shima	
TORD	Torodi Ar. Beam	
TORE	Minerbio--Torre	
TORI	Toribari	
TORNY	Torny/Romont	
TORO	Toronto--Leslie Street Spit	
TORR	Tordecillas	
TORS	Torosgyugh	
TORT	La Tortuga	
TORV	Torococo	
TOS	Tosya	
TOSP	Speyside	
TOT	Tottori	
TOT1	Toteng	
TOTH	TOTAH	
TOTJ	Tottori	
TOU	Touzarine	
TOUF	Mont Tournerait	
TOV	El Tocuyo	
TOVM	TOLUCA	
TOW	Tower One	
TOY	Toyama	
TOZ	Tahuroa Road	
TP-	Tippipah	
TP2	Tecpan 2	
TPA	Tala Pozo	
TPAW	Teton Pass	
TPB	Topolobampo	
TPC	Twentynine Palms	
TPE	Tepelena	
TPFO	Pinon Flats	
TPG	Tlapa	
TPGR	Topolog	
TPH	Tonopah	
TPI	Tanjungpandan	
TPIG	Tehuac#an	
TPJ	Tangkuban Prahu	
TPK	Tolicha Peak	
TPL	Tocopilla	
TPM	Tepoztlan	
TPMO	Tallapoosa	
TPMT	Tepee Creek	
TPN	Tapini	
TPND	Tumut Pond Dam	
TPNV	Topopah Spring	
TP-NV	Tippipah	
TPO	Tropico Hills	
TPOR	Trinity Point	
TPP	Pointe-a-Pierre	
TPR	Prospect	
TPRI	Tanjung Pinang	
TPRS	Tripped Ranch	
TPRT	Prato	
TPRV	Parvadeh(Tabas)	
TPSO	The Peters Seismological Observatory	
TPSR	Tuapse	
TPT	Tiputa	
TPTC	Pt. Cumana	
TPTI		
TPU	Tempiute Mountain	
TPUB	Ta-pu	
TPV	Tonopah	
TPVN	Tapovan	
TPX	Tapachula	
TPZ	Tupiza	
TQ-MS	Tatum Dome	
TQP	Tayabas	TAY
TQTN	Tranquillity	
TQV	Tuyen-Quang	
TR1	Tor 1	
TR2	Tor 2	
TRA	Travnik	
TRAF	Turaif	
TRAM	Private Property, Shandon	
TRAP	Trapper Creek	
TRAS	Al Qrash	
TRAV	Traversella	
TRAZ	Trapeza	
TRB	Tarbela	
TRBA	At Turbah	
TRBF	Trabuc cave	
TRC	Taylor Ranch	
TRCB	Terra Rica	
TRCK	Troitsky	
TRCR	Troy Canyon	
TRCW	Trojmezˆ›	
TRD	Trivandrum	
TRE	Trente	
TRE1	Treia	
TREB	Trebinje	
TREC	Trest	
TREE	Tree Lodge	
TREF	Trevaresse	
TREG	Tregnago	
TREM	Isole Tremiti	
TREV	Trevi	
TRF	Thorofare Mountain	
TRG	Tyrgan	
TRGS	Targassone	
TRH	Trail	
TRHT	Turhal	
TRI	Trieste	
TRI01	ILHA DA TRINDADE, ES	
TRIB	Obertriebel	
TRIF	Trifonti	
TRIGF	Trigance	
TRIP	Tripoli	
TRIS	Tristan da Cunha	
TRISU	ISU Teleorman	
TRIV	Trivento	
TRIZ	Trizonia	
TRJ	Tarija	

Code	Station Name	Other
TRK	Turkey Creek	
TRKR	Terskaya	
TRKS	Terek-Say	
TRKT	Turkoglu	
TRLG	Trialeti	
TRM	Turner	
TRMF	Trois Ilets	
TRML	Termal-Yalova	
TRN	Trinidad (W)	
TRNY	Table Rock, Ramapo, NY	
TRO	Tromso	
TROLL	Troll, Antartica	
TRON	Trondheim	
TROT	Trozza	
TRP	Trujillo	
TRP1	Tripolis, Arkadia	
TRPA	Tarpa	
TRQ	Mont Tremblant	
TRQA	Tornquist	
TRR	Tarraleah	
TRRB	Tres Rios	
TRS	Trieste (CM)	
TRSB	Teresina	
TRSC	Trident Resrch Ctr	
TRSI	Tarutung	
TRSU	Trosnyk	
TRT	Tretes	
TRT1	Tortuguero	
TRTB	Turuntaevo	
TRTC	Tortuguero	
TRTE	Tartu	
TRTR	Tortoreto Alta	
TRTS	Turuntaevo, Baikal	
TRTT	Trang	
TRU	Truk	
TRULL	Truellikon	
TRUS	Trudelj	
TRV	Treviso	
TRVA	Ter de Rio Valdez	
TRVM	Trivandrum	TRD
TRVZ	Turoa	
TRW	Toppenish Ridge	
TRWA	Trelew	
TR-WA	Toppenish Ridge	
TRWZ	Traveller	
TRXW	Triangle-X Ranch	
TRY	Troy	
TRYN	Tryon Peak	
TRZ	Taradale	
TS-	Trotters	TS-ND
TS1	Aisen	
TS2	Aisen	
TS3	Aisen	
TS4	Aisen	
TS5	Aisen	
TS6	Aisen	
TSA	Tranquitos	
TSA1	Sevenoaks	
TSAL	Tannehill State Park	
TSB	Tasu	
TSC	Tosontsengel	
TSCK	Chigu Township	
TSCN	Private Property, Shandon	
TSCT	Constanta Port	
TSD1	Tsodilo	
TSE	Tsebel'da	
TSEB	Hengchuen, Pingtung county	
TSGT	San Giustino Valdarno	
TSI	Tuntungan	
TSIM	Tsina	
TSJB	Timber West San Juan	
TSK	Tsukuba	
TSL	Tsaile	
TSLK	Tsoukalades, Lefkada island	
TSM	Tawau	
TSMG	Majia	
TSMN	Mangalia Port-Far Verde	
TSN	Qingdao	
TS-ND	Trotters	
TSO	Tulsa	
TSOZ	Tsokhamarg	
TSP	Tesuque Peak	
TSPT	Pingtung City	
TSR	Tsuruga	
TSRJ	Tsuruga	
TSS	Tsurugi yama	
TSSL	Sulina	
TST	Taslik	
TSTN	Townsend	
TSU	Tsu	
TSU1	Tsu	
TSUB	Tasu	
TSUJ	Tsu 2	
TSUM	Tsumeb	
TSUT	Saturnia	
TSV	Twin Springs	
TSVK	Tesvikiye-Yalova	
TSY	Tnine Yamani	
TSZ	Takapari Road	
TT-	Trout Lake	TT-MI
TT01	Tatalina	
TTA	Tatalina	
TTC	Datong	
TTE	Trieste	
TTER	Terranuova Bracciolini	
TTG	Podgorica	
TTH	Taradale Trig	
TTI	Taranto	
TTIG	Tnine Tigouga, Taroudante	
TTK	Tokmak	
TTL	Tatalina	
TTM	Turtle Mountains	
TT-MI	Trout Lake	
TTN	Taitung	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
TTOK	Tanto	
TTP	Tetilla Peak	
TTR	Matura	
TTS	Tsetserleg	
TTSI	Tana Toraja	
TTT	Tottori	
TTU	Tartu	
TTV	Teren Tiev Lake	
TTVN	Tram Tau	
TTW	Tolt Reservoir	
TTX	Tres Cuevas	
TTY	Takhtoyamsk	
TTZ	Chichi shima	
TU-	Tunkhannock	TU-PA
TU1	Tuscania	
TUA	Tuai	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
TUC	Tucson	
TUC3	UHE Tucurui	
TUC4	UHE Tucurui	
TUCB	Tucurui	
TUDR		
TUE	Stuetta	
TUG	Tungurcha	
TUH	Tulbagh	
TUI	Tuis	
TUIG	Tuzandepetl	
TUK	Tuktoyaktuk	
TUL	Tulsa	
TUL0	Crosstimbers Borehole	
TUL1	Leonard	
TULEG	Thule	
TULM	Tulc^¡n-Chalpatan Las Cuevas	
TUM	Tumwater	
TUMC	Tumaco	
TUMD	Tumrok D	
TUML	Tumlingtar	
TUMR	Tumrok	
TUN	Tunis	
TUND	Tunduma	
TUNG	Tungurahua	
TUNR	Tungur	
TUNS	Gyulagarak	
TUO	Tucson Observatory	
TUP	Tupik	
TUPA	Temple University, Ambler	
TU-PA	Tunkhannock	
TUQ	Turquoise Mountain, Baker	
TUR	Turbat	
TURA	TURA	
TURB	Turbat	
TURF	col de Turini - Moulinet	
TURI	Tura	
TURN	Turunc	
TURS	Tal-Yuryakh	
TURV	Turiamo	
TUS	Tuscarora	
TUT	Tucson--Telemeter	
TUTA	Tutak	
TUTZ	Tuhingamata	
TUU	Turnu Rosu	
TUV	Trujillo	
TUVZ	Tukino	
TUWA	Tungkwan	
TUWZ	Tuamarina	
TUY	Tsuyama	
TUZ	Tuapeka	
TUZL	Tuzla-Istanbul	
TV1H	Townsville Hard Rock	
TV2S	Townsville Soft Rock	
TV6	Monte Luro di Tavullia	
TVAN	Van	
TVBK	TV Kerman	
TVG	Trois Rivieres	FBG
TVGG	Rocky Mountain Net	
TVH1	TV Hill, Hawthorne	
TVH2	Borealis Mine area, Hawthorne	
TVH3	East Aurora area, Hawthorne	
TVI	Taveuni	
TVL	Townsville	
TVNC	Taylorsville	
TVO	Taravao	
TVSB	Tavsanli	
TVZX	PASSCAL Warehouse	
TW1H	Toowoomba 1 Hard	
TWA	Mucha	
TWAR	Twist	
TWB	Tillmans-Whites Bay	
TWB1	Santiao Chiao	
TWBB	Timber West Blakeney	
TWC	Suao	
TWCP	Suao Port	
TWD	Chiawan	
TWDS	Dungshr Township	
TWE	Neicheng	
TWE*	Feng-lin	
TWF	Yuli	
TWF1	Yuli	
TWG	Pinlang	
TWGB	Timber West Granite	
TWGBT	Beinan	
TWGZ	Tauwhareparae	
TWH	Lutao	
TWI	Lanshu	
TWJ1	Tawu	
TWK	Hsinying	
TWK1	Hengchun	
TWKB	Timber West Koksilah	
TWKBT	Hengchun	
TWL	Twin Lakes	
TWM	Shoushan	
TWM1	Shoushan	
TWMO	Westmoorings	
TWN	Twin Peaks	
TWO	Meishan	
TWO1	Meishan	
TWOA	Tennyson Woods	
TWP	Hsiaoliuchiu	
TWQ	Tungshih	
TWQ1	Liyutan	
TWR	Chutung	
TWS1	Kuangyinshan	
TWSI	Taliwang, Sumbawa	
TWT	Tachien	
TWU	Wulai	
TWVZ	Taurewa	
TWW	Teanaway	
TWX	Kuosheng	
TWY	Chenhua	
TWZ	Neifu	
TX00	Lajitas Ar. Site	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX10	Lajitas Array Site 10	
TX11	Lajitas Array Site 11	
TX31	Lajitas Ar. Site	
TX32	Lajitas Array Site 32	
TXAR	Lajitas Array Beam Reference Point	
TXB	Texada	
TXNY	Tuxedo	
TXO	Tlaxiaco	
TY-	Tracy	TY-MN
TYC	Yuchr	
TYF	T'ung-yeun Feng	
TYH	Toyohashi	
TYI	Trinity Mountain	
TYK	Toyo'oka	
TYM	Tateyama	
TY-MN	Tracy	
TYN	Taiyuan	
TYNN	Toyone	
TYNO	Tyneside	
TYS	Tyson Valley	
TYV	Tymovskoe	
TZC	Tazercounte	
TZK	Tazeka	
TZL	Tazlina	
TZR	Tezpur	
TZRR	Tazzarine	
TZTN	Tazewell	
TZZ	Tabubil	
U04C	Hernandez Reservoir, Idria	
U05C	Westside ANR, Five Points	
U10A	Ash Meadows, Armagosa	
U11A	Corn Creek	
U12A	Valley of Fire, Overton	
U13A	Pakoon Wash	
U14A	Mt Trumbull	
U14B	Concepcio@15n	
U15A	North Rim	
U16A	Tuba City	
U17A	Shonto	
U18A	Rough Rock, Chinle	
U19A	Dine' College, Tsaile	
U20A	Newcomb	
U21A	Nageezi	
U22A	Llaves	
U23A	El Rito	
U24A	Moreno Valley High School, Angel Fire	
U25A	Circle Dot Ranch, Maxwell	
U26A	Atchley Ranch, Grenville	
U27A	Thompson Grove	
U28A	Mallet	
U29A	Oasis Ranch, Spearman	
U30A	WK&E Inc. Balko	
U31A	Nine Bar Ranch, Gage	
U32A	Winter Ranch, Mooreland	
U33A	Lingo Farm, Meno	
U34A	Anderson Ranch, Garber	
U35A	Pawnee	
U36A	Oologah	
U37A	Salina	
U38A	Gravette	
U39A	Green Forest	
U40A	Yellville	
U41A	Viola	
U42A	Revenden	
U43A	Rector	
U44A	Portageville	
U44B	Burton Farm, Hornbeak	
U45A	Rockin P Farm, Martin	
U46A	Springville	
U47A	Clarksville	
U48A	Cassie Pea, Portland	
U49A	Red Boiling Springs	
U50A	Jamestown	
U51A	La Follette	
U52A	Thorn Hill	
U53A	Fall Branch	
U54A	Nelsons Funny Farm, Mountain City	
U55A	TA2, Sparta	
U56A	King	
U57A	Blanch	
U58A	Oxford	
U59A	Littleton	
U60A	Pendleton	
U61A	Possum Corner Farms, Belvidere	
U65B	Hualane	
U69B	Peumo	
U73B	San Pedro	
UABX	UABC, Campus Mexicali	
UALR	University of Arkansas, Little Rock	
UAV	Universidad de los Andes	
UB0M		
UB1M		
UB2M		
UB3M		
UB4M		
UB5M		
UB6M		
UB7M		
UB8M		
UB9M		
UBBA	Unterbreizbach	
UBO	Uinta Basin Array	
UBOT	Bothatogo	
UBPT	Khong Chiam	
UBR	Ueberruh	
UBRB	Upper Baezaeko River	
UBSI	University, Bengkulu	
UBT	Ubonrachathani	
UCC	Uccle	
UCCT	U. Connecticut	
UCH	Uchtor	
UCHI	Chinameca	
UCM	Universidad Complutense Madrid	
UCT	University of Connecticut	
UDBI	Udbina	
UDBS	Soyapango	
UDD	Uddeholm	
UDI	Udine OGS	
UDN	Udine	UDI
UDP	Udhampur	
UDU	Undu Point	
UDYN	Al 'Udayn	
UEES	San Salvador	
UER	Ust'-Elegest	
UESS	San Salvador	
UESV	Ojushtada	
UFA	Ufa	
UFCT	Forcatura	
UFLG	Foligno	
UFRS	Porto Alegre	
UGDM		
UGI	Ugak Island	
UGK	Ugakei	
UGL	Uglegorsk	
UGLR	Uglovaya	
UGM	Wanagama	
UGO	Universidad de Guanajuato	
UGON	Onchagaon	
UGRT	Union Grove	
UJAP	Al Uja	
UJI	Uji	
UJN	ULJIN	
UJZ	Chiapas	
UK-	Ukiah	UK-OR
UKAQ	Ukalunda	
UKHR	Ukrul	
UKI	Ukiah	
UKL	Ugashik Lake	
UKOP	Uzunkopru-Edirne	
UK-OR	Ukiah	
UKR	Ust'-Kan	
UKT	Uakit	
UKTR	Uchkent	
UL1	ULLUNGDO	
UL1S	Tyubelyakh	
UL2S	Kamenistyi	
ULA	Ulamona	
ULBA	Ulba	
ULC	Ulcinj	
ULDT	Uludag	
ULG	Ulaangom	
ULGR	Ulagan, Altay Republic, Russia	
ULHL	Ulahol	
ULLB	Ulleungdo bore hole	
ULM	Lac du Bonnet	
ULN	Ulaanbaatar	
ULO	Ulamona	
UMAU	Umeaa	
UMB	Umberatana	
UME	Umea	
UMI	India	
UMJ	Umaji	
UMJE	Umejima	
UMJS	Umm Lajj	
UMKT	Umerkot	
UMM	Uummannaq	
UMPA	Umpang Tak	
UMPQ	Umpqua Community College DOGAMI SMO	
UMQ	Umm Al-Quwin	
UMR	Umm Al-Rimmam	
UMS	Upper Santa Misericordia	
UMT	Umtata	
UNA	Unalaska	
UNAH	Universidad Nacional Autonoma de Honduras	
UNAP	University of Iquique	
UNB	University of New Brunswick	
UNCR	Uncukul	
UNH	University of New Hampshire, Durham, NH	
UNIC	Santa Ana	
UNJ	University of Jordan, Amman	
UNJO	University of Johannesburg	
UNL	Unalakleet	
UNM	Universidad Nacional Autonoma de Mexico	
UNR	Ust'-Nera	
UNR1	Ust'Nera (new)	
UNRC	Norcia	
UNTM		
UNV	Unalaska Valley	
UNZ	Unzen dake	
UOA	University of Arizona	
UOCO	University of Cincinnati	
UOLM	Olmeto	
UON	La Union	
UOSS	Minazif	
UPA	Univ. de Panama@15	
UPAO	U. Pittsburgh - Allegheny Obs.	
UPC	Upice	
UPD1	Univ de Panama	
UPD2	Meteti	
UPI	Upington	
UPIG		
UPM	Unac-Piva	
UPNG	Upernavik	
UPP	Uppsala	
UPR	University Campus, Patras University	
UPRP	Perugia	
UPS	University of Puget Sound	
UQSK	'Uqlat as Suqur	
URA	Urakawa	
URA3	Urakawa 3	
URAJ	Urakawa 2	
URAV	Uravi	
URB	Uribe, Santander	
URCR		
URCU	Urcuqui	
URDF	Urd¯os	
UREC	San Jos¯' de Ur¯', Cordoba	
URFA	Urfa	
URG	Urgal	
URH	Urahoro	
URIC	Uribia, Colombia	
URKR	Urkarakh	
URLA	Izmir	

Code	*Station Name*	*Other*
URS	Ugurusu	
URSC	Urasca	
URT	Ura-Tyube	
URUA	Uruapan	
URV	Uravakonda	
URVA	University of Richmond	
URVD	Rivodutri	
URZ	Urewera	
USA0	Ussuriysk Array Site A0	
USA0B	Ussuriysk Array Site A0B	
USA1	Ussuriysk Array Site A1	
USA2	Ussuriysk Array Site A2	
USA3	Ussuriysk Array Site A3	
USAK	U¯ak-Merkez	
USB1	Ussuriysk Array Site B1	
USB2	Ussuriysk Array Site B2	
USB3	Ussuriysk Array Site B3	
USB4	Ussuriysk Array Site B4	
USB5	Ussuriysk Array Site B5	
USC	University of Southern California	
USGN	Sangemini	
USHA	Ushuaia	
USHU	Ushuaia	
USI	Ustica	
USIL	Lacq-Usine	
USIN	University of Southern Indiana	
USK	Ussuryisk	
USL	Ugashik Lake	
USMR	Ust'-Maya	
USO	Ust'-Omchug	
USP	Ospenovka	
USRK	Ussuriysk Ar. Beam Pt.	
USTO	Oran	
USZ	Ust'-Nyukzha	
UTEC	San Salvador	
UTF	Valparaiso	
UTHA	Uthaitani	
UTL	Utla	
UTLO	University of Toledo	
UTM	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	
UTMO	Huajuapan	
UTMT	University of Tennessee at Martin	
UTNM	Universidad Technlogica Nacional Mendoza	
UTO	University of Toledo	
UTS	Utsunomiya	
UTSR	Utesnoe	
UTSU	Utsunomiya	
UTT	Tea Tree Gully	
UTTA	Uttaradit	
UTU	Utuhina	
UUDB	Ulan-Yde	
UURS	Ust' Urkima	
UVAG	Avigliano	
UVI	Uvira	
UVN	Unionville	
UVN1	Unionville	
UVO	Usu Kazan Kan	
UVZA	Uvinza	
UWA	Uwa jima	
UWA2	Uwa jima 2	
UWB	Uwe@18kahuna Bluff	
UWE	Uwekahuna	
UWFH	University of Washington Friday Harbor	
UWJI	Ujung Watu	
UWL	Utowana Lake	
UWM	University of Wisconsin at Milwaukee	
UWOO	University of Western Ontario	
UYO	Union Valley	
UYUN	Uyuni	
UZB	Uzynbulak	
UZD	Uzd	
UZH	Uzhgorod	
UZP	Denizli	
UZT	Uzuto	
UZU	Uzumlu	
V03C	Hunter Liggett MR Jolon	
V04C	Ramage Ranch, Paso Robles	
V05C	Boulder Hill, Kettleman City	
V11A	Goodsprings	
V12A	Nelson	
V13A	Grand Canyon West Ranch, Meadview	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
V15A	Kaibab National Forest USFS, William	
V17A	Tonalea, Kykotsmovi	
V18A	Ganado	
V19A	Window Rock	
V20A	Brimhall	
V21A	Milan	
V22A	San Miguel Ranch, Cuba	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
V26A	Tequesquite Ranch, Mosquero	
V27A	Dan Oppiter Farms, Dalhart	
V28A	Channing	
V29A	Stinnett	
V30A	Spur Ranch, Miami	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
V32A	Arapaho	
V33A	Lossen Ranch, Watonga	
V34A	Guthrie	
V35A	Meyer Ranch, Chandler	
V36A	Jenks	
V37A	Hulbert	
V38A	Canehill	
V39A	Pettigrew	
V40A	Witts Springs	
V41A	Mountainview	
V42A	Cord	
V43A	Jonesboro	
V44A	Blytheville	
V45A	Humboldt	
V46A	Holladay	
V47A	Nunnelly	
V48A	Smith Brothers Farm, Spring Hill	
V49A	McMinnville	
V50A	Pikevile	
V51A	Loudon	
V52A	Sevierville	
V53A	Saluda	
V54A	Nebo	
V55A	Taylorsville	
V56A	Mocksville	
V57A	Coltrane Farms	
V58A	Windy Hill, Pittsboro	
V59A	Middlesex	
V60A	Jim Taylor Road, Stokes	
V61A	Roper	
V62A	Hyde County Airport	
VA01	Torpederas	
VA02	Isla de Pascua	
VA03	San Esteban	
VA04	Juan Fernˆ¡ndez	
VA05	Santo Domingo	
VAA	Cerro Valdivia	RTCV
VABQ	Val Des Bois	
VAC	Vackov	
VACH	Vallenar	
VACK	Vackovec	
VACR	Volcan Arenal	
VAD	Vardenisi	
VADZ	Vardenis	
VAE	Valguarnera	
VAF	Ylistaro	
VAG	Aggia Anna	
VAGA	Valle Agricola	
VAH	Vaihoa	
VAI	Varese	
VAJ	Vajont	
VAK	Adit at Lawrence Berkeley Lab, Berkeley, CA	
VAL	Valentia	
VALC	Valcebollere	
VALF	Valcebollere	
VALM	Valbona	
VALQ	Val d'Or	
VALR	Valaam	
VALT	Mount Saint Helens Crater	
VAM	Vamos	
VAN	Vannovskaya	
VAN2	Vandellos 2	
VANB	Van	
VANNI	Vissoie, Val d'Anniviers	
VANT	Van	
VANU	Vaenersborg	
VANZ	Vanadzor	
VAO	Valinhos	
VAO2	Atibaia	
VAO3	Socorro	
VAR	Varanasi	
VAR2	Vartholomio	
VARA	Varagna	
VARB	Varian Well	
VARE	Varese	
VARL	Varlezi	
VARN	Col Varnada, Mel (BL)	
VARP	Vesuvio Array Permanente	
VARR		
VARZ	Arzignano	
VAS	Vassijaure	
VAS01	Vassouras-RJ	
VAS2	Vassiliki, Lefkas Island	
VASR	Vaslui	
VASS	Vassouras	
VAVA	Vava'u	
VAY	Valandovo	
VBA	Sierra Ventana	
VBEM	Beaver Butte	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBKN	Vesuvio Bunker Nord	
VBL1	Vara Blanca	
VBMS	Vicksburg	
VBN	Bulusan	
VBPM	Bald Peter	
VBU	Buco	
VBV	Virginia Beach	
VBY	Vinica-Bojanci	
VC1	Cotopaxi 1	
VCA	Vinchina	
VCAB	Vineyard Canyon	
VCB	Cabagna-an	
VCEL	Villa Celiera	
VCH1	Volcˆ¡n Chico	
VCHI	Volcan Chico	
VCHM	Qimei	
VCHU	Verkh-Chumysh, Kuzbass, Russia	
VCLM	Crater Lake	
VCM	Veracruz	
VCMM	Chase Mountain	
VCMT	Victor	
VCN	Canlaon	
VCNR	Virginia City	
VCP	Volcan Cerro Prieto	
VCR	Vista de Mar	
VCRE	Vesuvio Cratere Est	
VCS	Vernal Corners	
VCT	Victoria	
VCVM	Valle de Chalco	
VDA	Vodivohitra	
VDB	Vedder Mountain	
VDBQ	Val-des-Bois,QC	
VDCF	Villefranche	
VDF	Valdeflores	
VDL	Val di Lei	
VDM	Villiers-Adam	
VDOS	Pratas Island	
VDP	Vodopadnii	
VDP3	Vietri Di Potenza	
VDQ	Val d'Or	
VDS3	Muro Lucano (Varco Staccarino)	
VDW	Vunidawa	
VEA	Veano	
VEB	Veberod	
VEH	Verkhnyaya Baza	
VEK	Verkhne-Kamchatsk	
VELZ	Velez Rubio	
VEN	Venice	
VENE	Venecia	
VENL	Venezia Lido	
VENT	Ventotene	
VER	Veracruz	
VER2	Veroia	
VERF	Verneugheol	
VERG	Veris	
VES	Vestal, Richgrove	
VETAM	Veliko Turnovo	
VEW	Oceanview	
VEX	Veracruz	
VEZ	Vezirkopru	
VFBM	Frederick Butte	
VFI	Filaki	
VFP	Flag Point	
VG1	Voghera	
VG2	Vista Grande	
VGB	Gordon Butte	
VGBI	Virgin Gorda, British Virgin Islands	
VGBM	Gordon Butte	VGB
VGG3	Viggiano (Prot.Civ.Gr.Lucano)	
VGL	Glafira	
VGM	Villa Grajales	
VGMM	Grass Mountain	
VGP	Chiapas	
VGPM	Green Peter	
VGTM	Goat Mountain	
VGVI	Virgin Gorda	
VGZ	Gonzales	
VHBM	Hamelton Butte	
VHEM	Hood Meadows East	
VHH	Hibok Hibok	
VHHM	High Heaven	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
VHOM	Mount Hebo	
VHTN	Van Hill	
VHYM	Horsefly Mountain	
VIB	Van Inlet	
VIC	Victoria	
VICH	Los Vilos	
VICT	Victoria	
VIE	Vienna	
VIEF	Viey	
VIEL	Selb-Vielitz	
VIF	Vila Franca	
VIFL	Administraci˜‡n Zonal Eloy Alfaro - Quito	
VIGE	Viggiano	
VIGV	El Vigia	
VIH	Vielha	
VIK	Vik	
VIKU	Vikbolandet	
VIL	Villa Mercy	
VIL1	Vilia, Western Attica	
VIL2	Platees	
VILA	Vilada	
VILB	Vilhena	
VILC	Villavicencio, Colombia	
VILF	Villemus	
VILL	Villia	
VIM	Vimmerby	
VIMO	Victor Mine	
VIN	Vineyard	
VINC	Vinca	
VINO	Villanova	
VIP	Virginia Peak	
VIPM	Ingram Point	
VIR	Virginia	
VIRV	Villa del Rosario	
VIS	Vishakhapatnam	
VISG	Visignano	
VISK	Vishakhapatnam	VIS
VISS	Vis@19nje	
VIT	Vineyard--Telemeter	
VITF	Vittel	
VITU	Vitulano (BN)	
VITZ	Vitzeroda	
VIV	Vinh	
VIVA	Pratoni del Vivaro - Roma	
VIVB	Vinh	
VIVF	Saint-Julien-le-Roux	
VIZ	Vizianagram	
VIZE	K¯–rklareli/Vize-Akp¯–nar	
VJD	Vijayawada	
VJF	Virojoki	
VJP	Vajepar	
VJYM	Jersey	
VKA	Vienna	
VKB	Valkenburg	
VL6*	Forgia Vecchia	
VLA	Vladivostok	
VLAD	Vladila	
VLC	Villacollemandina	
VLCH	Valdivia	
VLD	Valdez	
VLDQ	Val d'Or	
VLDR	Vladesti	
VLG	Velasquez	
VLH	Lignon Hill	
VLI	Veliai	
VLK	Valmikinagar	
VLKR	Vladikavkaz	
VLL	Laurance Lake	
VLMM	Larch Mountain	
VLMS	Volimes, Zakynthos	
VLN	Vanua Lava	
VLO	Vlora	
VLP	Valparaiso	IHA
VLR	Valea Ierii	
VLS	Valsamata	
VLU	Vernal	
VLV	Valdivia	
VLW	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
VLW3	Vlagtwedde	
VLW4	Vlagtwedde	
VLX	Vlachokerasia	
VLY	Voula,Athens	
VLZ	Valdez	
VMA	Markates	
VMC	Ville Marie	
VMG	Vicchio	
VMHM	Mount Hagen	
VMNM	Maupin	
VMO	Villa Marinero	
VMR	Mayon Resthouse	
VMS	Misericordia	
VMT	TAPS Tl Valdez	
VMUR	Van-Muradiye	
VN-	Vernal	VN-UT
VN6*	Vulcanello	
VNA	Neumayer	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
VNA3	Neumayer Olymp	
VND	Vanda	
VNDA	Vanda	
VNDS	Vrh nad Dolskim	
VNE	Neochorion	
VNFG	Veniaminof 2	
VNG	Vunargo	
VNHG	Veniaminof 1	
VNKR	Veniaminof 5	
VNL	Vernal	
VNM	Villa de Garcia	
VNNF	Veniaminof 3	
VNNZ	Vanand	
VNSG	Veniaminof 6	
VNSS	Veniaminof 8	
VNSW	Veniaminof 7	
VNT	Van	
VN-UT	Vernal	
VNV	Volcan Villarrica	
VNWF	Veniaminof 8	
VNY	Varmlds Nysat	
VO-	Vinton	VO-IO
VOBA	Vobarno	
VOG	Valley Oaks Golf Course, Visalia	
VOGL	Vogel Lake	
VOGT	Vogtsburg - Totenkopf, Kaiserstuhl	
VOI	Vohitsoka	
VO-IO	Vinton	
VOIR		
VOJS	Vojsko	
VOL	Volimes	
VOL2	Volos	
VOL3	Nea Ionia, Volos	
VOLV	El Volcan	
VOR	Voronezh	
VORD	Divnogorie	
VORR	Voronezh	
VOS	Vostochnaya	VOSK
VOS4	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS7	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOSK	Vostochnaya	
VOU	Vouglans	
VOY	Vojsko	
VOZR	Vozrozhdenie	
VPA	Pavliani	
VPD	Villa Park Dam	
VPDC	Valencia Peak Digital	
VPEM	Volcano Peak East	
VPIM	Pine Mountain	
VPK	Verdi Peak	
VPL	Vulcano Piano	
VPMM	Saint Patrick Mountain	
VPP	Pira-Piraso	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
VQS	Vieques	
VRAC	Vranov	
VRBM	Round Butte Dam	
VRC	Rainbow Creek	
VRD	Vardenis	
VRDI	Verde Repeater	
VRF	Varrio	
VRH	Novokhopyorsk	
VRHR	Novokhopersk	
VRI	Vrincioaia	
VRN	Varnville	
VRNZ	Vardanashen	
VRO1	Vrontados, Chios Island	
VRS	Kato Vasiliki	
VRSR	Storozhevoye	
VRT	Varto	
VRTB	Varto-Mus	
VRZ	Vera Road	
VRZA	San Zeno Di Montagna	
VRZG	Vardzia	
VRZT	Veris	
VSBM	Spring Butte	
VSC	Varnville	
VSCM	Scott Mountain	
VSG	Visale	
VSI	Simia	
VSK	Skopelos	
VSK1	VASILIKIADES	
VSK2	Vassilikiades, Cephalinia Isl.	
VSL	Villasalto	
VSL1	Vassilika	
VSM	San Miguel	
VSMM	Salem	
VSP	Spence Mountain	
VSR	Storozhevoye	
VSS	Volcan San Salvador	
VST	Saint Thomas	
VSTC	Green Oak Ranch, Vista	
VSTU	Vaestervik	
VSU	Vasula	
VT-	Venator	VT-OR
VT1	Waterbury	
VT2	Vantage 2	
VTB1	Vitulano	
VTCM	Trout Creek Butte	
VTDM	The Dalles	
VTF1	CHI Itaipu Binacional	
VTG	Vantage	
VTH	Erithrai	

Code	Station Name	Other
VTHM	Trough	
VTIR	Vesuvio Tirone	
VTM	Vitim	
VTMR	Vitim	
VTN	Vitineika	
VT-OR	Venator	
VTR0	Volcan Turrialba	
VTS	Vitosha	
VTU	Volcan Turrialba	
VTUC	Volcan Turrialba	
VTV	Victorville	
VTVB	Vinh Tuy	
VTVM	Tizayuca	
VTY	Vatovaky	
VUL	Vulcan	
VULT	Monte Vulture - Melfi	
VUN	Vunikawai	
VVD	Valverde	
VVDG	Vesuvio Valle Del Gigante	
VVHS	Vashon High School SMO	
VVI	Villa di Villa	
VVK	Vomvokou	
VVLD	Villa Vallelonga	
VVMR	Verona	
VVO	Vivian	
VVOS	Brankovina	
VWBM	Wanoga Butte	
VWCC	Virginia Western Community College	
VWDT	VWDT	
VWMM	Walker Mountain	
VWUC	VWUC	
VWV	Potts Mountain	
VWZMW	Thunduwike	
VXJU	Vaexsjoe	
VYB	Vyborg	
VYHS	Vyhne	
VZS	Valdez South	
VZW	Valdez West	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
W12A	Cal Nev Ari	
W13A	Hualapai Mountain Park, Kingman	
W14A	Seligman	
W15A	Williams	
W16A	Flagstaff	
W17A	Winslow	
W18A	Petrified Forest	
W19A	Sanders	
W20A	Ramah	
W21A	San Fidel	
W22A	Albuquerque	
W23A	Werner Place, Edgewood	
W24A	Lazy 6 Ranch, Villanueva	
W25A	X Bar L Ranch, Newkirk	
W26A	Owens Ranch, Tucumcari	
W27A	Bowe Ranch, Endee	
W28A	Vega	
W29A	Amarillo	
W30A	Crocket Farms Inc., Mclean	
W31A	Holland Ranch, Erick	
W32A	Sentinel	
W33A	Caddo, Fort Cobb	
W34A	Bridge Creek, Tuttle	
W35A	Tecumseh	
W36A	Wetumka	
W37A	Quinton	
W37B	Quinton	
W38A	Poteau	
W39A	Magazine	
W40A	Ferguson Farm, Pottsville	
W41A	Tony Mavity, Velonia	
W41B	Gary Mavity, Velonia	
W42A	Bald Knob	
W43A	Forest City	
W44A	Shelby Farms Park, Memphis	
W45A	Hickory Valley	
W46A	Michie	
W47A	Westpoint	
W48A	Pulaski	
W49A	Belvidere	
W50A	Signal Mountain	
W51A	Cleveland	
W52A	Murphy	
W53A	Cullowhee	
W54A	Cherokee Point, Campobello	
W56A	Indian Trail	
W57A	Gilead	
W58A	Raeford	
W59A	Clinton	
W60A	Pink Hill	
W61A	Ground Anchor Farm, New Bern	
WA-	Watson	WA-OK
WA1	Wongan Hills	
WA2	Wagin	
WA3	Talbot Brook	
WA4	Burakin	
WAA	Waris	
WAB	Wabag	
WABN	Wabush	
WACK	Wrangell Chichokna Glacier	
WACR	West Acre	
WACZ	Wakanui South Island, New Zealand	
WAD	Wadsworth	
WADM	Wardell	
WAGN	Wager Bay	
WAH	Wahluke	
WAH2	Wahluke Slope	
WAHZ	Wakarara	
WAI	Wairiri	
WAJ	Wa jima	
WAJH	Al Wajh	
WAK	Wakkanai	
WAKE	Wake Island	
WAKJ	Wakkanai	
WAKR	Walker	
WAL	Wallace	
WAL1	Walls	
WALA	Waterton Lakes	
WALHA	Wallhausen, DE	
WALJ	Wala	
WALK	Watson Lake	
WALU	Walls	
WAM	Wambrook	
WAMI	Wamena	
WAN	Wanliss Street	
WANC	Wrangell North Crater	
WANE	Ethiopian Broadband Seismic Experiment	
WA-OK	Watson	
WAPA	Wapiti River	
WAR	Warsaw	
WARB	Warburton	
WARN	West Arenal	
WAS	Washington	
WASH	Ethiopian Broadband Seismic Experiment	
WASL	Wasel	
WASM	Alta Sierra Campground	
WASW	Wrangell Southwest	
WAT	Watheroo	
WATA	Walderalm	
WATZ	Wairara	
WAU	Wau	
WAX	Waxell Ridge	
WAY	Waynesburg	
WAZ	Wanganui	
WAZA	Wrangell Mount Zanetti	
WB0	Warramunga Array Site B0	
WB1	Warramunga Ar.	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WBA	Furth	
WBAQ	Buaraba 3	
WBB	Darmstadt	
WBC	Weber Canyon	
WBCY	West Bay, Grand Cayman	
WBD	Lorch/Rhein	
WBE	West Bromwich	
WBG	Bieber	
WBH	Biblis	
WBHL	Wabush	
WBHS	Wadi 'Ibn Hashbal	
WBI	Whiskey Butte	
WBK	Wadi Bani Khalid	
WBL	White Bluff	
WBMM	Breckenridge Mountain	
WBN	Warburton	
WBNH	Wolfeboro	
WBO	Williamsburg	
WBR	Bronaber	
WBS	Wahnbachtalsperre	
WBSI	Waikabubak, Sumba	
WBSM	Bird Springs	
WBW	Wilson Butte	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WCB	Warramunga Array	
WCB1	Church Bay	
WCBC	Windy Craggy	
WCC	Westchester Community College	
WCCN	Westchester CC	
WCFM	Cactus Flat W	CFWM
WCGM	China Gardens	CGSM
WCH	Changhua City	
WCHH	Zhanghua	
WCHM	Chimney Peak	
WCI	Wyandotte Cave	
WCIL	Waubonsee CC	
WCK	Wilson Creek	
WCM	Warland Creek	
WCN	Washoe City	
WCNB	Wards Creek	
WCNY	West Carthage	
WCO	Washington City	
WCOM	Cook Peak	
WCPM	Cactus Peak W	CPTM
WCSM	Coso Springs S	CSSM
WCT	Wildcat Mountain	
WCU	Willow Creek	
WCXM	China Lake Receiver Site	
WCZ	Waipu Caves	
WD-	Windom	WD-MN
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
WDBM	Warragamba Dam	
WDC	Whiskeytown Dam	
WDD	Wied Dalam	
WDG	Wallace Dam	
WDGT	Dungji	
WDIN	Wadesville	
WDIS	Woodlark Island	
WDJ	Dajia District, Taichung City	
WDL	Douliou City	
WDLH	Douliu	
WDLM	Western Deep Levels Mine	
WD-MN	Windom	
WDO	Saint George	
WDS	Woodside	
WDT	Danda	
WDW	Wainui Dam	
WDY	Woody	
WEBT	Westdahl Beartrack Creek	
WECS	Westdahl Cape Sarichef	
WEGH	Weija	
WEIL	Weil am Rhein	
WEIN	Weingarten	
WEK	Wewak	
WEL	Wellington	
WELAS	Turaif	
WELK	Ethiopian Broadband Seismic Experiment	
WEMQ	Wemindji, Quebec	
WEN	Wenatchee	WNW
WENL	Wente Vineyards, Livermore	
WEO	Welcome	
WER	Werombi	
WERC	Wheeler Ridge	
WERD	Werda	
WERN	Wernitzgruen	
WES	Weston	
WESC	Westside School	
WESE	West Dahl East	
WESF	Westfeld	
WESN	West Dahl North	
WESP	Westdahl Peak	
WESS	West Dahl South	
WEST	Westmoreland	
WET	Wettzell	
WEW	Wewak	
WEWK	Wewak	
WF-	Wykoff	WF-MN
WFAR	Faris Peak	
WFB	Fairbourne	
WFF	Whiting Field	
WFM	Westford	
WF-MN	Wykoff	
WFSB	Wu-fen Shan	
WG2	Wallula Gap	
WG3	Wallula Gap	
WGAR	Walnut Grove	
WGB	Blue River	
WGBM	Warragamba	
WGK	Gukeng	
WGL	Warangal	
WGLY	Wegel	
WGMA	Westboro	
WGW	Wallila Gap	
WGZ	Waimangu	
WH-	Whitehorse	WH-YK
WH2	Whipple Mountains 2	
WH2*	Whitehorse	WH2YK
WH2YK	Whitehorse	
WHA	Wahaula	
WHAB	Al Wahab	
WHAR	Wooly Hollow	
WHB	Whistler	
WHC	Whitehorse	
WHF	Hehuan Shan	
WHFM	Hanning Flat	
WHFN	White Fish Lake	
WHFO	Wadi Hawf	
WHH	Whakatau	
WHHZ	Waihua	
WHI	Whitney	
WHM	Wild Horse Parks	
WHN	Wuhan	
WHNE	Wahoo	
WHP	Taichung City	
WHR		
WHRZ	Whale Island	
WHSM	Haiwe Spring S	HWSM
WHTX	Lake Whitney, Meridian	
WHTZ	Whakaora	
WHU	Wild Horse	
WHVM	Havilah	
WHVZ	Whangaehu Hut	
WHW	Wright's Hill	
WHY	Whitehorse	
WHYH	Whyalla	
WH-YK	Whitehorse	
WHYT	Xinyi Township	
WHZ	Wether Hill Road	
WI-	Winnemucca	WI-NV
WI01	McKinley Avenue, Clintonville	
WI02	Reinke Road, Clintonville	
WI03	Lunz Road, Clintonville	
WI04	River Road, Clintonville	
WIAZ	Waiheke Island	
WICI	Willow Creek	
WIFE	Three Sisters--Wife	
WIGH	Winneba	
WIH	Wilkes Camp	
WIHG	Wadia Institute--Dehra Dun	
WIL	Wilkes	
WILA	Wila	
WILL	Willung South	
WILN	Americas 2	
WIM	Isle of Man	
WIMIS	Wimmis	
WIMM	Wimmelburg	
WIN	Windhoek	
WINO	Wino	
WI-NV	Winnemucca	
WIS	Wister	
WISC	Wilburton Instructional Services Center	
WISH	Wishkah	
WIT	Witteveen	
WITU	Witu Islands	
WIW	Wooded Island	
WIZ	White Island	
WJHS		
WJPM	Johns Peak	
WJS	Zhushan	
WK-	Williams Lake	WK-BC
WKA	Willalooka	
WKB	White Rock	
WK-BC	Williams Lake	
WKC	Walker Ridge	
WKC2	Walker Ridge	
WKE	Wake	
WKH	Waikii	
WKJ	Wajiki	
WKM	Welkom	
WKME	Wakayama	
WKR	Work Ranch	
WKTM	Kern-Tulare	
WKU	Wakaura	
WKY	Wakayama	
WKYJ	Wakayama 2	
WKZ	Wanaka	
WL-	Watson Lake	WL-YK
WLA	Wittsburg Lake	
WLAR	White Oak Lake	
WLC	Llyn Conwy	
WLCH	Liuqiu	
WLCT	Hsiaoliuchiu	
WLD	Wild Horse Canyon	
WLDR	Wildhorse	
WLF	Walferdange	
WLF1	Llynfaes	
WLFZ	Wanganui	
WLG	Waldron Ledge	
WLGB	Puzi	
WLHM	Little Horse	
WLI	Wellesley Island	
WLJ	Wildlife	
WLK	Wiest Lake	
WLL	Williamstown	
WLM	Willow Mountain	
WLO	Wilson	
WLPM	Leibel Peak	
WLS	Welschbruch	
WLTB	Daxi	
WLVO	Wesleyville	
WL-YK	Watson Lake	
WLZ	Whitehall	
WM-	Williams	WM-AZ
WMA	West Mesa	
WM-AZ	Williams	
WMBQ	Mount Brisbane	
WMD		
WME	Myndd Eilian	
WMGZ	Waiomatatini Station	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
WML	Westmorland	
WMLT	Mailiao	
WMN	Winnemucca	
WMNY	West Monroe	
WMO	Wichita Mountains Array	
WMOK	Wichita Mountains	
WMOR	Whale Back Mountain	
WMQ	Urumqi	
WMR	Waimanalo Ridge	
WMS	West Middle School	
WMSJ	Wadi Mousa	
WMTN	White Oak Mountain	
WMU	West Mountain	
WMUT	West Mountain	
WMV	Walker Mountain	
WMY	Wakamiya	
WMZ	Williams	
WN-	Winner	WN-SD
WNC	Wilmington	
WND	Windham	
WNDE	Wendo Genet	
WNH	Whiteface	
WNMM	Nine Mile Canyon	NMC
WNN	Wann	
WNR	Windsor	
WNS	Wenas	
WN-SD	Winner	
WNT	Mingjian	
WNT1	Nantou City	
WNVZ	Wahianoa	
WNW	Wenatchee	
WNY	Wilmington	
WNZ	Wairakei	
WO-	Winslow	WO-AZ
WO-AZ	Winslow	
WOB	Weather Observatory	
WOFM	Oak Flat	
WOH	Wood Valley	
WOJI	Wonogiri, Jawa	
WOL	Wolverton	
WOLE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
WOLEN	Wohlen bei Bern, Struchismoos, BE	
WOLH	Wollongong Hard Rock	
WON	Wolverton North	
WOO	Woodstock	
WOOD	Lake Woodford	
WOOL	Woolibar	
WOOM	Toowoomba	
WOR	Worcester	
WORM	Onyx Ranch	
WOSB	Woss	
WP01	e3381	
WP02	e3380	
WP04	e3369	
WP05	e3371	
WP06	e3382	
WP08	e3372	
WP20	e3385	
WP21	e3376	
WP22	e3183	
WPA	Woody Point	
WPB	Watts Point	
WPH	West Pit	
WPHZ	Waipukurau	
WPI	Wilson Peak	
WPL	Puli Township	
WPM	White Pine	
WPM1	Penmaenmawr	
WPMQ	Pine Mountain	
WPNY	West Park	
WPO	West Portland	
WPOG	Pogromni	
WPR	Ward Pound Ridge	
WPRZ	Whakapapataringa	
WPS	Cemaes, Anglesey	
WP-TX	Wills Point	
WPVZ	Whakapapa	
WPW	White Pass	
WPZ	Waipapa Point	
WQ-IL	Watseka	
WR-	Walnut Ridge	WR-AR
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	

Code	*Station Name*	*Other*
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRA	Warramunga Array Beam Reference Point	
WRAB	Tennant Creek	
WRAI	Warramunga Infrasound Array Beam Reference Point	
WRAK	Wrangell Island	
WR-AR	Walnut Ridge	
WRB	Warramunga Array	
WRC	Williams Ranch	
WRCM	Renegade Can. W	RCWM
WRCQ	Reedy Creek 5	
WRD	Warden	
WRDH	Warideh	
WRG	White River Glacier	
WRH	Wood River Hill	
WRKA	Warakurna	
WRM	Warmifontaine	
WRMHI	West Rim	
WRN	Worthington Mountains	
WRNM	Woronora	
WRPS	Penn State University	
WRS	Warsak Dam	
WRVM	Rose V. Central	RVCM
WRW	Wenatchee Ridge	
WS-	Waterways	WS-AT
WSA	Woomera	
WSAR	Wadi Sarin	
WS-AT	Waterways	
WSC	Washington Science Center	
WSCM	Short Canyon	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
WSDZ	Springvale	
WSF	Szhu	
WSFZ	Santoft	
WSH	Washington Hill	
WSHM	Spangler Hills	
WSI	Waingapu	
WSIL	West Salem	
WSLR	Whistler	
WSN	Warm Springs	
WSNC	Winespring Bald	
WSNZ	Santoft	
WSP	Warm Springs	
WSPT	Westport, CT	
WSR	Warm Springs Repeater	
WSRZ	White Island Summit, North Island, New Zealand	
WSS	West Ashley	
WSSB	Gushan	
WSSR	Wesser Bold	
WSSZ	Parewanui	
WST	Stwlan	
WSYH	La Gonave Hosp	
WT-	Wartburg	WT-TN
WTAZ	Waiatarua	
WTBKS	WTBKS	
WTC	Waterton	
WTCR	Whites Canyon	
WTCT	Ta-ch'eng	
WTGQ	Toogoolawah	
WTK	Tuku	
WTMTA	White Mountain Lookout Tower, Alberta	
WTP	Ta-pu	
WTR	Waterville	
WTRB	White River	
WTRQ	Thallon Road	
WTS	Winterswijk	
WTSB	Winterswijk	
WTT2	Watts, South Gate	
WTTA	Wattenberg	
WT-TN	Wartburg	
WTU	Western Traverse Mountains	
WTUG	Tugumak	
WTV	Waterville	
WTVE	Waterville	
WTVZ	West Tongariro	
WTW	West Thumb	
WTX	Workman Tunnel	
WTZ	Whakatane	
WUAZ	Wupatki	
WUC	Wuhan	WHN
WUET	Wuestenhain	
WUH	Wuhan	
WUPA	West Chester University of Pennsylvania, USA	
WUS	Wushi	
WUW	Wuwei	
WUWY	Wally Ulrich	
WVIL	Wabash College	
WVL	Waterville	
WVLY	West Valley	
WVNY	West Valley, New York	
WVOR	Wild Horse Valley	
WVPM	Volcano Peak E	VPEM
WVR	Vyrnwy	
WVT	Waverly	
WVUT	Wellsville	
WVZ	Waitaha Valley	
WW-	Wah Wah Mts	WW-UT
WWF	Wufeng	
WWHQ	Wivenhoe Hill 3	
WWHS	Walla Walla High School ANSS SMO	
WWKK	Wewakk	
WWPM	Walker Pass	
WWR	Whitewater	
WW-UT	Wah Wah Mountains	
WWW	Wewak	
WY-	Wynne	WY-AR
WY0	Wyoming Array	WYO
WYA	Wyangala	
WY-AR	Wynne	
WYBT	Wynnburg	
WYH	Wyhlen	
WYL	Yuanlin Township	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN4	Wijnaldum	
WYO	Wyoming Array	
WZ-NV	Warm Springs	
X102	Greenbrier Site X102	
X13A	Yucca	
X14A	Yava	
X15A	Humboldt	
X16A	Lo Mia Camp, Pine	
X17A	Forest Lakes	
X18A	Snowflake	
X19A	St. Johns	
X201	Greenbrier Site X201	
X20A	Quemado	
X21A	Alamocita Creek, Datil	
X22A	Bernardo	
X23A	Hourglass Bar Ranch, Mountainair	
X24A	Lazy VL Ranch, Encino	
X25A	Clemmons Ranch, Yeso	
X26A	CR and CF Franklin Farms, Melrose	
X27A	F and S Farms, Texico	
X28A	Dimmitt	
X29A	Tulia	
X301	Greenbrier Site X301	
X30A	Coker Ranch, Turkey	
X31A	McDonald Ranch, Hollis	
X32A	Elmer	
X33A	Lawton	
X34A	Smith Ranch, Marlow	
X35A	Drake	
X36A	Centrahoma	
X37A	Clayton	
X38A	Whitesboro	
X39A	Fountain Ranch, Mena	
X40A	Basin Creek Farm, Marlvern	
X41A	Kaden, Bauxite	
X42A	Stuttgart	
X43A	Marvell	
X44A	Crenshaw	
X45A	UM Field Station, Abbeville	
X46A	Booneville	
X47A	Russelville	
X48A	Hartselle	
X49A	Woodville	
X50A	Fort Payne	
X50B	Fort Payne	
X51A	Calhoun	
X52A	Dahlonega	
X53A	Estanollee	
X54A	Belton	
X55A	Gracelyn & Ava, Whitmire	
X56A	White Oak	
X57A	Johnson Farm, Hartsville	
X58A	Rowland	
X59A	McDuffie Farm, Elizabethtown	
X60A	Albert Glenn Thornton	
XAL	Allendale	
XAN	Xi'an	
XAN2	Xanthi	
XAVN	Gruta Xavier	
XDE	Dent Fell	
XIN	Xingo	
XIO	Khios Island	
XIXI	Borongxiang, Xizang Zizhiqu	
XLV	Seldovia	
XMAS	Kiritimati	
XMI	Christmas Island	
XMIS	Christmas Island	
XMS	Christmas Canyon	
XNQ	Khinaliq	
XNZR	Khunzakh	
XOR	Xorichti	
XPFO	Pin@16on Flat	
XPSS	Dashiqiu	
XRY	Khrisi	
XSO	Sourhope Farm	
XTAL		
XTL	Crystal Lake, Glendora	
XTNZ	Xhotanan	
XYB	Khnkoyan	
Y12C	Blythe	
Y13A	Salome	
Y14A	Wickenburg	
Y15A	Casa Rosa Ranch, Morristown	
Y16A	Circle Bar Ranch, Sunflower	
Y17A	Roosevelt	
Y18A	Canyon Day Junior High, Whiteriver	
Y19A	Nutrioso	
Y20A	Horse Springs, Datil	
Y21A	Point of Rocks Canyon, Magdalena	
Y22A	Socorro	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y22E	IRIS PASSCAL Instrument Center, Socorro	
Y23A	Lovelace Mesa, Carrizozo	
Y24A	Capitan	
Y25A	Mesa, Roswell	
Y26A	Elida	
Y27A	Causey	
Y28A	McKinney Farm, Littlefield	
Y29A	Porterfield Farm, Petersburg	
Y30A	Stafford Cattle Company, Roaring Springs	
Y31A	Rekieta Farm, Paducah	
Y32A	R-V Farms, Vernon	
Y33A	Hilltop Ranch, Iowa Park	
Y34A	Reagan Ranch, Oscar	
Y35A	Marietta	
Y36A	Durant	
Y37A	Hugo	
Y38A	Idabel	
Y39A	Lockesburg	
Y40A	Okolona	
Y41A	Eaglette Bearden	
Y42A	Garnett, Star City	
Y43A	Makayla and Karen, Gunnison	
Y44A	Strider, Charleston	
Y45A	Yeager Farm, Coffeeville	
Y46A	Houston	
Y47A	UCPARC, Winfield	
Y48A	Jasper	
Y49A	Blount Mountain	
Y50A	Piedmont	
Y51A	Rockmart	
Y52A	Lilburn	
Y53A	Monroe	
Y54A	Tignall	
Y55A	Saluda	
Y56A	Pelion	
Y57A	Sumter	
Y58A	Scranton	
Y59A	Loris	
Y60A	Bolivia	
YA-	Yakima	YA-WA
YA2	Yakima	
YAG	Yagi	
YAGS	Yagodnoe	
YAH	Yahtse	
YAHU	Yahuarcocha	
YAHY	KAYSERI_Yahyali	
YAIG	Yautepec	
YAK	Yakutsk	
YAKW	Yakima	
YAL	Yalta	
YALR	Yailyu, Altay Republic, Russia	
YALV	Yalova Cinnet	
YAM	Yamagata	
YAMJ	Yamagata	
YAMN	Yamanlar	
YAN	Yangoru	
YANA	Yana	
YANT	Yantzaza	
YAPA	Yangpyeong	
YAQ	Yaqui Meadows	
YAR	Yar	
YARA	Arangoiti	
YARM	Yarimca-Ladik(Samsun)	
YAS	Yuasa	
YASH	Mount Yoash	
YASP	Aspurt	
YASR	Yasnyy	
YASS	Yasnyy	
YAT	Yaldymych	
YATNC	Mamie plateau, Yate, New Caledonia	
YA-WA	Yakima	
YAY	Yayoi	
YAYL	Yayladag	
YAYX	Yaylak	
YBER	Berdun	
YBGR	Belaya Gora	
YBH	Yreka Blue Horn Mine, Yreka	
YBIB	Yerba Buena Island	
YBKN	Baker Lake, Hudson Bay	
YBMT	Yellow Bay	
YBT	Youssef Ben Tachfine	
YCA	YACYRETA	
YCB	Yellow Creek Bluff	
YCM	YMCA Camp	
YCRN	Chernyshevskiy	
YDRA	Hydra	
YE6	Yeelanna, site6	
YECH	El Yeso	
YEDI	Yedisu-Bingol	
YEG	Yeguas Mountain	
YEL	Yellow Rock	
YEL1	Yell	
YELT	Yellice	
YELU	Yell	
YER	Yerkesik	
YERM	Yerranderie	
YERR	Yerington	
YESI	Yesilovacik-Mersin	
YESY	Yesilyurt	
YF2NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YFT	Old Faithful	
YGI	Yagi	
YHB	Horse Butte	
YHH	Holmes Hill	
YHJ	Yallahs	
YHK	Yuen Ng Fan	
YHKE	Yahiko	
YHL	Hebgen Lake	
YHNB	Yeheng	
YIGI	D˜…zce	
YIN	Yingkou	
YJA	Yavi	
YJC	Joseph's Coat	
YJD	YOUNGJONGDO	
YKA	Yellowknife Array Beam Reference Point	
YKAB0	New Yellowknife Blue 10	
YKAB1	New Yellowknife Blue 1	
YKAB2	New Yellowknife Blue 2	
YKAB3	New Yellowknife Blue 3	
YKAB4	New Yellowknife Blue 4	
YKAB6	New Yellowknife Blue 6	
YKAB7	New Yellowknife Blue 7	
YKAB8	New Yellowknife Blue 8	
YKAB9	New Yellowknife Blue 9	
YKAR1	New YK Array red 1	
YKAR2	New YK Array red 2	
YKAR3	New YK Array red 3	
YKAR4	New YK Array red 4	
YKAR5	New YK Array red 5	
YKAR6	New YK Array red 6	
YKAR7	New YK Array red 7	
YKAR8	New YK Array red 8	
YKAR9	New YK Array red 9	
YKAV	Yalikavak-Bodrum	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB5	Yellowknife Array Sites B5 and R8	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKBL	Yakuplu-Istanbul	
YKC	Yellowknife	
YKE	Yakedake	
YKGM	Yakataga	
YKI	Yokaichiba	
YKLR	Yuktali	
YKM	Yaak	
YKR0	Yellowknife Array	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR8	Yellowknife Ar.	YKB5
YKR9	Yellowknife Array Site R9	
YKS	Yaku shima	
YKT	Yakutat	
YKU	Yakutat	
YKU2	Yakutat	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
YLA	Ilan	ILA
YLE	Yale	
YLL	Llanberis	
YLNS	Uelen temporary site, Chukotka	
YLT	Little Thumb Creek	
YLV	Yalova	
YLVH	Yalova	
YLYR	Ulyunkhan	
YM01	YM01	
YM03	YM03	
YM04	YM04	
YM05	YM05	
YM06	YM06	
YM07	YM07	
YM08	YM08	
YM09	YM09	
YM10	YM10	
YM11	YM11	
YM12	YM12	
YMBN	Yamba Lake	
YMC	Maple Creek	
YMD	Yuma Desert	
YML	Mary Lake	
YM-NV	Yucca Mountain	
YMP	Mirror Lake Plateau	
YMR	Madison River	
YMS	Mount Sheridan	
YMT1	Yucca Mountain	
YMT2	Yucca Mountain	
YMT3	Yucca Mountain	
YMT4	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
YMUS	Pe˜–a Musera	
YMV	Mammoth Vault	
YMZ	Yamizo	
YMZU	Yamizo	
YNAR	Nardues-Aldunate	
YNB	Natural Bridge	
YNBS	Yanbu' al Bahr	
YNC	Yinchuan	
YNCB	YEONCHEON	
YND	Yaounde	
YNE	Yellowstone Northeast Entrance	
YNEN	Yamba Lake Northeast	
YNG	Young	
YNGY	Yangiyul	
YNM	Yellowstone Norris Museum	
YNR	Norris Junction	
YNT	Yunotani	
YOA	Uoyan	
YOBS		
YOGI	Yogyakarta	
YOJ	Yonaguni jima	
YOK	Yokohama	
YOKT	Yokooka	
YOMI	Yo Moklole	
YON	Yonago	
YONJ	Yonago 2	
YOO	Oaxaca	
YOPC	Yopal, Colombia	
YORU	Yoruktepe-Mersin	
YOS	Yoshiwara	
YOSD	Yoshimatsu	
YOSQ	Ashton Mining of Canada property	
YOTC	Yotoco, Valle del Cauca	
YOU	Young	
YOUB	Youbou, Lake Cowichan	
YOVA	Hakkari_Y˜…ksekova	
YOZ	Yozgat	
YPBB	Black Butte	
YPBE	Bechler	
YPBR	Bridge Bay	
YPCJ	Canyon Junction	
YPDC	Denny Creek	
YPE	Yupe	
YPEE	East Entrance	
YPGV	Grant Village	
YPHR	Hebgen Ridge	
YPHS	Hot Springs Basin	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
YPM	Purple Mountain	
YPMF	Mesa Falls	
YPML	Mary Lake	
YPOF	Old Faithful	
YPP	Pitchstone Plateau	
YPPC	Pelican Cone	
YPRL	Red Lodge	
YPSB	Soda Butte	
YPSE	South Entrance	

Code	Station Name	Other
YPT	Yellepit	
YPTB	Twin Buttes	
YPTS	Trude Siding	
YPWB	West Boundary	
YR-	Yreka	YR-CL
YRC	Rhoscolyn	
YR-CL	Yreka	
YRD	Yardimli	
YRE	Yr Eifl	
YRG	Yaruga	
YRH	Rhiw	
YRTN	Rankin Inlet	
YSA	Yasawairara	
YSIG	Sigues	
YSK	Yokosuka	
YSM	Yoshimatsu	
YSNY	Yorkshire	
YSOS	Sos del Rey Catolico	
YSS	Yuzh-Sakhalinsk	
YST	Yumesaki	
YSUO	Youngstown State University	
YTC	Trail Creek	
YTIR	Yattir	
YTP	The Promontory	
YTV	Yen Tu	
YUB	Yubileniya	
YUF	Upper Falls	
YUH	Yuha Desert	
YUK	Yuzh-Kuril'sk	
YUK1	Sand Pete Hill	
YUK2	White River	
YUK3	Moose Creek	
YUK4	Talbot Arm	
YUK5	Granite Creek	
YUK6	Outpost Mountain	
YUK7	Dusty Glacier	
YULB	Yu-li	
YUM	Yumen	
YUMT	Yumurtalik	
YUND	Undues	
YUNZ	YUNZ	
YUO	Iwo jima	
YUP	Yupiltepeque	
YURE	YUREGIR	
YUS	Yu-Shan	
YUVA	Yuva-Kibriscik (Bolu)	
YVAC	Isparta/Yalvaˆ§-ˆzgˆ…ney	
YVAM	Verhnyaya Amga	
YWY	West Yellowstone	
YYI	Yaongyimsen	
YYYY	Yonkie	
YZKH	Yazd	
YZT	Yamasaki	
YZU	Yuzawa	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Z14A	Wintersburg	
Z15A	Gila River Indian Community, Laveen	
Z16A	Peralta Trail, Apache Junction	
Z17A	San Carlos High School, San Carlos	
Z18A	Geronimo	
Z19A	T-Link Ranch, Clifton	
Z20A	Nine Sixteen Ranch, Cliff	
Z21A	St. Cloud Mine, Winston	
Z22A	Elephant Butte, Truth or Consequences	
Z23A	Rita Site, White Sands Missle Range	
Z24A	Sheeppen Canyon, Tinnie	
Z25A	Roswell	
Z26A	Caprock	
Z27A	Tatum	
Z28A	Tucker Farm, Meadow	
Z29A	Hungry Hill Ranch, Wilson	
Z30A	Sanderson Ranch, Post	
Z31A	Sharp Cattle Ranch, Aspermont	
Z32A	Haskell	
Z33A	Whitaker Ranch, Olney	
Z34A	Collier Ranch, Chico	
Z35A	Perchaven, Sanger	
Z36A	Blue Ridge	
Z37A	Pogue Cattle Company, Sulphur Springs	
Z38A	Mt. Pleasant	
Z39A	Irene McRaven, Queen City	
Z40A	Long Farm, Magnolia	
Z41A	Richland Creek Farm, El Dorado	
Z42A	Norrel Spur, Hamburg	
Z43A	Armstrong Family, Eudora	
Z44A	Pea Ridge, Belzoni	
Z45A	Winona	
Z46A	Louisville	
Z47A	Carrollton	
Z48A	Northport	
Z49A	Columbiana	
Z50A	Ashland	
Z51A	Franklin	
Z52A	Williamson	
Z53A	Monticello	
Z54A	Sparta	
Z55A	Blythe	
Z56A	Williston	
Z57A	Bowman	
Z58A	St. Stephen	
Z59A	Georgetown, SC	
ZA1	Zafferana	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB	Zabrze	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZAC	Zacaltic	
ZACH	Zapallar	
ZAF	Zafarana	
ZAG	Zagreb	
ZAG*	Zagreb	
ZAGS	Zajecar	
ZAI	Zaio	
ZAIG	Zacatecas	
ZAK	Zakamensk	
ZAK2	Zakynthos	
ZAL	Zalesovo	
ZALD	Colegio Gonzalo Zaldumbide - Quito	
ZALF	Zalf	
ZALV	Zalesovo Beam	
ZAM	Aeronautique	
ZAN	Zante	
ZANG	Zanguenga, Chorrera	
ZAPC		
ZAPS	Zavoj	
ZARC	Zaragoza, Cauca	
ZARR	Zarrentin	
ZATK	Zatriq	
ZAV	Zavalia	
ZAVE	Correggio Bag	
ZAVS	Zavodnje	
ZAX	El Zacaton	
ZBID	Zabid	
ZCCA	Zocca	
ZCP	Zamboanga City	
ZEA	Zeya	
ZEDA	˜zmir-Bergama	
ZEI	Tsey	
ZEIT	Gabal Elzet	
ZEM	Michoacan	
ZEN8	San Zeno di Montagna	
ZER	Zerhoun	
ZEU	Talsperre Zeulenoda	
ZEY	˜zmir	
ZEYE	˜zmir/Urla-Zeytineli	
ZFI	Zemlya Franca-Iocifa	
ZFI2	Zemlya Franca-Iocifa2	
ZFRI	Zfri	
ZFT	Errachidia	
ZGN	Zaghouan	
ZGR	Zagora	
ZGR4	Zagorskoe	
ZGT	Zonguldak	
ZHC	Zelena Hora	
ZHDN	Zahedan	
ZHG	ZHG	
ZHGX	Zihuatanejo	
ZHI	Cilov Adasi	
ZHN	Zhinishke	
ZHOB	Zhob	
ZHSF	Zahedan	
ZIAN	Ziano	
ZIH	Zihuatanejo	
ZIIG	Zihuatanejo	
ZIM	Zimchurud	
ZIMR		
ZIN	Mount Zion Church	
ZIP	Tsipikan	
ZIRI	Ziria, Aigialia, West Greece	
ZIRJ	Zirje	
ZIRO	ZIRO	
ZIS	Zishin	
ZKR	Zakros	
ZKS	Zakynthos	
ZKT	Zaqatala	
ZKTA	Zakatala	
ZKW	Sheshan	
ZL21	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZLA	Zuerich Laegern	
ZLDR	Utesnoe	
ZLN	Zelenaya	
ZLNR	Zelenogorsk	
ZLP	Zongo (La Paz)	ZOBO
ZLV	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZMN	Zimniki	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
ZNGN	Zangian	
ZNH	Zanoah	
ZNJK	Zanja@18n	
ZNM	Zenema	
ZNPU	Zion National Park	
ZNT	Zur Nathan	
ZOBO	Zongo (La Paz)	
ZOMB	Zomba	
ZON	Zonda	
ZOU	Zoufplan	
ZOVE	Zovencedo	
ZOX	Ground Zero	GZN
ZPLA	Ao Xicun	
ZQRN	Zuqar Island	
ZRD	Zardab	
ZRH	Zaryechye, Baikal	
ZRHB	Zarechye	
ZRN4	Zerenda array site	
ZRN5	Zerenda array site	
ZRN6	Zerenda array site	
ZRN7	Zerenda array site	
ZRN8	Zerenda array site	
ZRN9	Zerenda array site	
ZRNK	Zerenda	
ZRO	Akutan Zero	
ZSC	Sheshan	
ZSC*	Sheshan	
ZSH	Tsaishi	
ZSN	Zaisan	
ZSP	San Pablo Dam	
ZST	Bratislava	
ZTZ	Tsit'eli Tsqaro	
ZUG	Zugdidi	
ZUL	Zurich-Lageren	
ZUMB	Zumba	
ZUQR	Zugar Island	
ZUR	Degenried	
ZUVM	ZUMPANGO	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	
ZYR	Zyryanka	
ZZA	Chiapas	
ZZJH	Jiuhuzhen	
ZZT	Zu Zu	

SEISMOLOGICAL OBSERVATORIES

IN ORDER OF GEOGRAPHICAL ZONE

AFRICA

Algeria
CAEH 'Ain El Ouahch
EANR 'Ain N'Sour
CASM Ain Smara
AKF Akfadou
MOLA ALG
ABA Alger-Bouzareah
ALG Algiers University
BAB Beni-Abbes
EBNR Beni Rached
CBND Bou Andas
ODJA Bouhanifia
ABMS Boumerdes
CNS Constantine
ESS CRAAG
ABSA Djebel Ababsia
CABS Djebel Ababsia ABSA
OJBR Djebel Berber
DFRA Djebel Bou Affroun
EBHM Djebel Bou Ahmed
OBLS Djebel Bou Ietas
EBOM Djebel Bou Maad
EBYL Djebel Bou Yalou
ADJB Djebel Djouab
OJGS Djebel Guires
OKGL Djebel Kef Guellal
AKET Djebel Ketaf
OKJL Djebel Kodjel
EMHD Djebel Mahouada
CMAH Djebel Manchoura
OMID Djebel Midouna
ESAD Djebel Saadia
ETHB Djebel Tachoubennt
ETAN Djebel Tanoua
ATAF Djebel Tarf
CTEI Djebel Teioualt
OTSS Djebel Tessala
ODZI Dziouia
ECHA Ech Chlef
ECHF Ech Chlef
CGMA Guelma
CGUE Guelma CGMA
IAA In Amguel
AKAY Kef Ayad
CKHR Kef el Ahmar
CKFL Kef-Lekhel
AMDA Medea
MEB Medea
CMER Merouana
OMET Metahra
AMRH Mont Rhoder
USTO Oran
OFD Oued Fodda
OLHC Oulhaca
REL Relizane
RLA Relizane
SET Setif
SKDA Skikda
TAM Tamanrasset
ETRT Tiaret
ATIP Tipaza
ATPZ Tipaza
TEC Tlemcen
OTLM Tlemcen

Angola
DUN Dundo
LUA Luanda
SDB Sa da Bandeira

Botswana
UBOT Bothatogo
KBH1 Kgwebe Hills
LBTB Lobatse
MWG1 Mawana Gate
MTP1 Motopi
ORC1 Okavango Research Center
QNG1 Qangwa
SVT1 Savuti
TOT1 Toteng
TSD1 Tsodilo

Cameroon
BNC Bambui
BTE Batoke
BKO Bokosso
EKC Ekona
FBT Foumbot
KMC Kompina
KBC Kumba
MOC Mount Cameroon
MOKC Mount Cameroon
NGC Ngoundere
YND Yaounde

Cape Verde Islands
BCCH Brava--Cachaco
SLES Espargos
FPPC Fogo--Pe de Pico
SVMA Madeiral
I11CV MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT
SACV Santiago Island

Central African Republic
BCAO Bangui
BNG Bangui
BGCA Bogoin

Chad
ABC Abeche

Democratic Republic of the Congo
BIN Binsa
BULE Bulengo
BTC Butembo
DCC Delcommune
ESCO ESCO Site
GOM Goma
GUB Guba
KTL Katale
KBTI Kibati
KBBA Kibumba
KNN1 Kunene
KNN Kunene
LMA Le Marinel
LBGA Luboga
LBC Lubudi
ELI Lubumbashi
LBB Lubumbashi
LWI Lwiro
MLN Mulungwishi
RUM Rumangabo
RSY Rusayo
UVI Uvira
NYAM Volcan Nyalulag
NYI Volcan Nyirag

Djibouti
ART Arta
AGD Arta Grotte
ARO Arta Observatory
ATD Arta Tunnel
ATA Atar
BLSD Baie du Lac Sali
DAF Dafare
DAY Day
FIK Fieale Koma
GBR Grand-Bara
HLD Halaksitan
I19DJ I19DJ
KSU Koussour
KSDD Koussour
LARD Lac Aux requins
LDLD Lac de Lave
MAOD Malaho
MKL Maskali
MCAD Moucha
BEAD Nord Galaele Koma
OBO Obock
ODK Oud Koma
SGH Sud-Ghoubbet
TDJ Tadjoura
TDD Tadjoura Ara

Egypt
NADB Abo Dabab
AAHD Abu Hadid
HRDS Abu Rudays
ABUS Abu Simbel
ASL Abu Simbel
AADN Adndan
AYT Al 'Ayyat
FYM Al Fayyum
HHRG Al Ghardaqah
AKRG Al Kharijah
AANS Anshas
MANS Anshas
HSAF As Saff
ASW Aswan
HBNS Bani Suef
NBNS Bani Suef
HBST Basata
BRNS Bernies
HSHL Bi'r Shalatayn
HBRG Burj al 'Arab
DABA Dabaa
DABAA Dabaa2
HDK1 Dakhla
HDHB Dhahab
AUT El 'Aiyat
TAMRE El Minia
FYD Fayid
RYAN Fayoum
ZEIT Gabal Elzet
ATOT Gabel Atot
AGAL Gebel Alisa
AGMR Gebel Marawa
AGRW Gebel Rewraw
GRB Gharib
HHAG Hagoal
HAGS Hagol
HAMM Hamman Mousa
HLW Helwan
HEDF Idfu
KHB Jabal al Khashab
GTR Jabal at Tayr
HKAT Jabal Katrina
HMSM Jabal Masmas
GLL Jalalah
HKFR Khafra
AKRL Khor El Raml
AKSR Khor Sakr
KEG Kottamaia
KOT Kottamia
NMAN Kulet Umm Tiheiwat
AKUR Kurkur
MABD Mabed
AMAG Maghara
AMAN Manam
MMT Marsa Matruh
HMAT Matruh
MAT1 Matruh
MATC Matruh
HMYD Mayadein
MAZR Mazracia
EMRS Mersa Alam
NAHD NAHD
HNKL Nakhl
HNAT Natroun
ANAL New Alisa
NGAL NGAL
NGMR NGMR
NGWR NGWR
NNAL NNAL
NNMR NNMR
ANMR North Marawa
NSKD NSKD
SLUM Salum
SQR Saqqara
SH2 Sharm el Sheik
SHRM Sharm el Sheik
ASKD Sinn el Kaddab
SUZ Suez
TR1 Tor 1
TR2 Tor 2
ASHG Umm Shaghir
HDK2 Wahat Dakhilah
HFRF Wahat Farafirah
APRS Wahet Paris
AWAL West Alisa
AWKL West Kalabsha
ZAF Zafarana
ZNM Zenema
HSFG
ASUT
QEN
RSH
HQSR
HADB
HCAT
SWA2
SWA1
NUB
AWBH

Equatorial Guinea
Fernando Poo
MFP Moca

Eritrea
ABSE Abaselama
ASME Asmera
ASSBE Assab
NAB1 NAB1
NAB2 NAB2
NAB3 NAB3
NAB4 NAB4
NAB5 NAB5
NAB8 NAB8
SHBE SHBE

Ethiopia
AAE Adis Abeba
ALME Alemaya
DESE Dese
DILA Dilla
DZEE Ethiopia-Afar Geoscientific Lithospheric Experiment
KOTE Ethiopia-Afar Geoscientific Lithospheric Experiment
GEWE Ethiopia-Afar Geoscientific Lithospheric Experiment
DIKE Ethiopia-Afar Geoscientific Lithospheric Experiment
MIEE Ethiopia-Afar Geoscientific Lithospheric Experiment
MECE Ethiopia-Afar Geoscientific Lithospheric Experiment
AREEX Ethiopia-Afar Geoscientific Lithospheric Experiment
LEME Ethiopia-Afar Geoscientific Lithospheric Experiment
WOLE Ethiopia-Afar Geoscientific Lithospheric Experiment
AMME Ethiopia-Afar Geoscientific Lithospheric Experiment
CHAE Ethiopia-Afar Geoscientific Lithospheric Experiment
DONE Ethiopia-Afar Geoscientific Lithospheric Experiment
MEKE Ethiopia-Afar Geoscientific Lithospheric Experiment
INEE Ethiopia-Afar Geoscientific Lithospheric Experiment
GTFE Ethiopia-Afar Geoscientific Lithospheric Experiment
SHEE Ethiopia-Afar Geoscientific Lithospheric Experiment
ADUE Ethiopia-Afar Geoscientific Lithospheric Experiment
ASEE Ethiopia-Afar Geoscientific Lithospheric Experiment
NURE Ethiopia-Afar Geoscientific Lithospheric Experiment
AWAE Ethiopia-Afar Geoscientific Lithospheric Experiment
ANKE Ethiopia-Afar Geoscientific Lithospheric Experiment
SENE Ethiopia-Afar Geoscientific Lithospheric Experiment
ADEE Ethiopia-Afar Geoscientific Lithospheric Experiment
MELE Ethiopia-Afar Geoscientific Lithospheric Experiment
BORE Ethiopia-Afar Geoscientific Lithospheric Experiment
BEDE Ethiopia-Afar Geoscientific Lithospheric Experiment
E1001 Ethiopia-Afar Geoscientific Lithospheric Experiment E1001
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E83 Ethiopia-Afar
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Experiment E83
E84 Ethiopia-Afar
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Experiment E84
E85 Ethiopia-Afar
Geoscientific
Lithospheric
Experiment E85
DELE Ethiopian Broadband Seismic Experiment
NAZA Ethiopian Broadband Seismic Experiment
HIRN Ethiopian Broadband Seismic Experiment
KARAX Ethiopian Broadband Seismic Experiment
JIMA Ethiopian Broadband Seismic Experiment
TERC Ethiopian Broadband Seismic Experiment
WANE Ethiopian Broadband Seismic Experiment
NEKE Ethiopian Broadband Seismic Experiment
DIYAX Ethiopian Broadband Seismic Experiment
GUDE Ethiopian Broadband Seismic Experiment
TEND Ethiopian Broadband Seismic Experiment
BDAR Ethiopian Broadband Seismic Experiment
CHEF Ethiopian Broadband Seismic Experiment
GOBAX Ethiopian Broadband Seismic Experiment
FICH Ethiopian Broadband Seismic Experiment
DMRK Ethiopian Broadband Seismic Experiment
ARBA Ethiopian Broadband Seismic Experiment
BIRH Ethiopian Broadband Seismic Experiment
HOSA Ethiopian Broadband Seismic Experiment
BELAX Ethiopian Broadband Seismic Experiment
HERO Ethiopian Broadband Seismic Experiment
WELK Ethiopian Broadband Seismic Experiment
BUTA Ethiopian Broadband Seismic Experiment
WASH Ethiopian Broadband Seismic Experiment
BAHI Ethiopian Broadband Seismic Experiment
FURI Furi
HARA HARA
WNDE Wendo Genet

Gabon
MSKU Masuku

Ghana
AKGH Akosombo
HOGH Ho
KOGH Koforidua
KUK Kukurantumi
LEGH Legon
LGG Legon
SPG Saltpond
SHGH Shai Hills
TEGH Tema
WEGH Weija
WIGH Winneba

Guinea
KING Kindia
LABG Labe
MAMG Mamou

Ivory Coast
DBIC Dimbokro
I17CI DIMBOKRO INFRASONIC ARRAY REFERENCE POINT
LKO Korhogo
KIC Kosan Boka
LIC Lamto
TIC Toumodi
DIC

Kenya
KIBK Kibwezi
KMBO Kilima Mbogo
LODK Lodwar
MAGK Magadi
MERK Meru
MILK Milimani
NBI Nairobi
NAKO Nairobi NAI
NAI Nairobi
I32KE NAIROBI INFRASONIC ARRAY REFERENCE POINT
NYRK Nyeri
OLK Olkaria
OLWK Olkaria West

Libya
LJBD Adjabya
ALAS Alassa
MARJ Al Marj
GHAR Gharyan
LGHD Ghdames
LJFR Jufra
LKFR Kufra
LMSR Misrath
LUMB Murzuk
LSHF Shwairf
LSRT Sirt
LTBQ Tobruq
LTRP Tripoli
LUJL Ujela
LZLA Zalla

Madagascar
OBY Ambatonomby
ATG Ambohiby
OPO Ambohidratompo
ABM Ambohimiarambe
ABPO Ambohimpanom
AVY Angavokely
I33MG ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT
FRR Firariana
FIRM Firavahana
MDSM Mandiavato
FOMA Nahampoana Res
SBV Sambava
TAN Tananarive
VTY Vatovaky
VDA Vodivohitra
VOI Vohitsoka

Malawi
BANG1 Bangula
CLK Chileka
KARM1 KARONGA
LILM Lilongwe
MALM Malindi
MZM2 Mzuzu
MZM Mzuzu
NENM1 Neno
SINGM SINGM
VWZMW Thunduwike
ZOMB Zomba

Mali
KOWA Kowa

Morocco
AFS Agadir Fac de Sc.
AOF Agadir Oufela
AIT Ait Ouarda
AKLM AKL
ANTZ Aouinet Torkoz
ALZ Aoulouz
ARF Arif
AVE Averroes
BAM Barrage Abdel Moumen
BMK Barrage El Makhazine
BBT Barrage Ibn Batouta
BME Barrage Mansour Eddahbi
BMB Barrage Mohamed Ben Abdellah
BMKM Barrage Mohammed V
BMD Beni Messoud
BIT B. Ibn Batouta BBT
BOJ Boujaaouane
BBA Boulbra
CGR Cap Guir
CPS Cap Spartel
CHEFC Chefchaouen
CIA Chichaoua
CZD Col de Zad
MDAL Dalia
DKH Dar Kharkhour
DKD Dar Kodiat
EAH EAH
KIB El Ksiba
ERR Err
ZFT Errachidia
FIGM Figuig
FOE Fourare
GOLM Goulmima
HALM Halim
HAD Hassan Addkhil
IDR Idriss Premier
IFR Ifrane
IMK Imi Mikki
CHAS Isla Isabel II, Islas Chafarinas
JBB Jbel Babet
JHA Jbel Lahdid
JOK Jbel Ouklim
JBK JBK
KHF Khenifra
KRAM Krabesse
KES Ksar Es Souk HAD
LRO Larroussi
LCRM LCR
MD31 MD31
EMLI Melilla
MDT Midelt
MIF Mishlifen
GOG Mont Gurugu
NKM Nakhla
OKL Od Khalfella
OUJ Oujda
OUK Oukaimeden
OUZM OUZ
MPAL Palemas
PALE Palemas
ALHU Pen de Alhucemas
RBA Rabat
RTC Rabat Centre
RBZ Rabat Zaers
RSA Sarsar
SICH Sidi Chahed
SFNM Sidi Ifni
SRHM Skhour des Rehamma
SOIM Smimou
SMRM Smir
SMIR Smir Dam
TAF Taforalt
TFLT Tafoughalt
TGT Taghat
TANT Tantan
TZK Tazeka
TZC Tazercounte
TZRR Tazzarine
TISM Timmit
MTNG Tinghir
TIO Tiouine
TIS Tissa
TTIG Tnine Tigouga, Taroudante
TSY Tnine Yamani
MTOR TORKOZ
TFT Tounfite
TNF Tounfite
TOU Touzarine
YBT Youssef Ben Tachfine
ZGR Zagora
ZAI Zaio
ZER Zerhoun
ZHG ZHG
BMK* BMKM

Mozambique
CNG Changalane
CBTN Chibotane
CHGM Chingoma
LICM Lichinga
LICH Lichinga
MANI Manica
MAPI Mapinhane
LMM Maputo
NPA Nampula
SONG Songo
TET Tete

Namibia
AUSN Aus
WP22 e3183
WP04 e3369
WP05 e3371
WP08 e3372
WP21 e3376
WP02 e3380
WP01 e3381
WP06 e3382
WP20 e3385
KJAB KAMANJAB
RUDU RUNDU
TSUM Tsumeb
I35NA TSUMEB INFRASONIC ARRAY REFERENCE POINT
ARMS Ukamas
WIN Windhoek

Niger
TORD Torodi Ar. Beam
TOA3 Torodi Ar. Site
TOA0 Torodi Ar. Site
TOB1 Torodi Ar. Site
TOA1 Torodi Ar. Site
TOB2 Torodi Ar. Site
TOA2 Torodi Ar. Site
TOB3 Torodi Ar. Site
TOB4 Torodi Ar. Site
TOB5 Torodi Ar. Site
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TOC4 Torodi Ar. Site
TOC5 Torodi Ar. Site
TOC6 Torodi Ar. Site
TOC7 Torodi Ar. Site

Rwanda
AST Butare BTR
BTR Butare
KIG Kigali

Senegal
BBTS Babate
BKL Bakel
DAK Dakar
KDS Kedougou
KED* Kedougou KDS
KED Kedougou
KDG Kedougou KED
MMS Matam
MBO M'Bour

Somalia
MOG Mogadiscio

South Africa
Cape Province
AUGR Augrabies
BEW Beaufort West
BLE Bellville
BUFB Buffelsbos
CVN Calvinia
CVNA Calvinia
CGH Cape Good Hope
CTO Cape Town
CASA Carruther's Hill
CER Ceres
ELIM Elim
GRM Grahamstown
GRH Grahamstown
HER Hermanus
KEIM Keimoes
KSD Kokstad
KOMG Komaggas
KROM Kromhout
LTT Louis Trichardt
MDL Mandileni
PSR Paul Sauer Dam
POF Pofadder
PKA Prieska
ROSN Rosenhof
SOE Somerset East
SBO Springbok
SUR Sutherland
TUH Tulbagh
UMT Umtata
UPI Upington
Natal
JOZ Jozini
NWL Newcastle
PTM Pietermaritzburg
PIE Pietermaritzburg
POG Pongola
Orange Free State
BLF Bloemfontein
I47ZA BOSHOF INFRASONIC ARRAY REFERENCE POINT
FRS Fauresmith
KIM Kimberley
PKR Le Roux Dam
PRY Parys
PRYS Parys
SEK Senekal
VIR Virginia
WKM Welkom
ALBD Alberton, Johannesburg
BNON Benoni
BOSA Boshof
CRLN Carolina, Mapumalanga, South Africa
HVD Gariep Dam
GRAN Grantham
HMSA Hans M'sky res

Code	Station Name	Other
HRAO	HartRAO	
KLOF	Kloof	
MSNA	Messina	
OBSV	Observatory	
OKP	Okiep	
PHW	Phalaborwa	
POGA	Pongola	
RDWR	Rand Water	
DRD	Roodepoort, Johannesburg	
TLEK	Tau Lekoa	
UNJO	University of Johannesburg	
WDLM	Western Deep Levels Mine	
Transvaal		
BFT	Belfast (SA)	
BFSD	Buffelsfontein	
BFS	Buffelsfontein	
CGY	Coligny	
CRWM	Crown Mines	
ERPM	east rand property ines	
ERS	Ellisras	
EVA	Evander	
BPI	Johannesberg	
JOH	Johannesburg	
KSR	Koster	
LEP	Lephalale	
MOAB	Moab Khotsong	
MOPA	Mopani	
PRE	Pretoria	
SWZ	Schweizer	
SLR	Silverton	
TAUL	Tau Lekoa	
Spain		
ETRV	Los Montesinos	
PVLZ	Pen@16o@15n de Ve@15lez	
Sudan		
JAWL	J.Aulia	
MRKH	Merkhyat	
NYA	Nyala	
SLAT	Slait	
Swaziland		
HAGI	HAGI	
MAGG	Maguga Dam	
MMAL	MMAL	
SWD	Swaziland	
SWL	Swaziland	
Togo		
OAUI	Ile-Ife	
LOM	Lome	
Tunisia		
BLIT	Baltah	
BKLT	Bekalta	
BERT	Berda	
AYNT	El Ayoun	
GAF	Gafsa	
GFA	Gafsa	
GHAT	Ghardimaou	
HANT	Hania	
BTHT	Jabal bu Thady	
KCHT	Kechabta	
KEST	Kesra	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
KRIT	Krib	
MART	Mareth	
MEDT	Meda	
MBZ	Menzel Bouzelfa	
OAR	Oum El Arais	
SBS	Sidi-Bou-Said	
SGNT	Sidi Gnaou	
SYA	Sidi Yaiche	
TAMR	Tamra	
TATN	Tataouine	
THTN	Thala	
THA	Thala	
TROT	Trozza	
TUN	Tunis	
ZGN	Zaghouan	
Uganda		
ENT	Entebbe	
TEBE	Entebbe	
HOI	Hoima	
KIL	Kilembe	
MBAR	Mbarara	
United Republic of Tanzania		
Tanzania		
AICH	Aicho	
ARTT	Arusha	
ARSH	Arusha	
BBAT	Babati	
BASH	Bashay	
BIHA	Biharamulo	
MKRE	Bukene	
BKBA	Bukoba	
DOD	Dodoma	
DODM	Dodoma	
DODT	Dodoma, Tanzania	
DONB	Dongobesh	
ENDA	Endulen Rd	
GEIT	Geita	
GIDA	Gidamilanda	
IRIN	Iringa	
ITKT	Itaka	
ITBT	Itumba	
HAMA	Kahama	
OSIN	Kakessio	
KRTU	Karatu	
KETU	Ketumbeine	
KIBA	Kibaya	
KGMA	Kigoma	
KIOM	Kiomboi	
KOND	Kondoa	
KYLA	Kyela	
LAEL	Laela	
MALJ	Lake Magadi	
MAUS	Longido	
MAFI	Mafinga	
MGRA	Magara	
MAJI	Maji Moto Rd	
MAKM	Makambako	
LOSS	Makongolosi	
KWSI	Makuyuni	
MAKS	Makuyuni S	
MAN2	Manyara 2	
COFF	Manyatta Coffee Estate	
MANYT	Manyoni	
MKAO	Maswa Reserve	
MBAT	Mbeya	
MBUL	Mbulu	
MGOR	Morogoro	
MOSH	Moshi	
PNDA	Mpanda	
LGDO	Mt Longido	
MLBA	Muleba	
MIKU	Namanyere	
NJOM	Njombe	
PDHT	Panda Hill	
QARU	Seremai	
MWSR	Sibiti River	
SINGT	Singida	
SONE	Songea	
SUMB	Sumbawanga	
SIMG	Tanzanite One Mining	
TREE	Tree Lodge	
TDMT	Tunduma	
TUND	Tunduma	
UVZA	Uvinza	
WINO	Wino	
Zambia		
BHA	Broken Hill	
CHMZ	Choma	
IKZ	Isoka	
ITZ	Itezhi-Tezhi	
KSMZ	Kasama	
KMZ	Kasempa	
KTWE	Kitwe	
LUS	Lusaka	
LSZ	Lusaka	
MZZ	Mansa	
MONG	Mongu	
PTZ	Petauke	
Zimbabwe		
BLWY	Bulawayo	
BUL	Bulawayo	
CHIPN	CHIPINGE	
CIR	Chiredzi	
HARE	Harare	
HWZ	Hwange	
KRB	Kariba Dam	
KRR	Karoi	
KRI	Karoi	
MATP	Matopo	
MTD	Mount Darwin	
MUZ	Mutare	

ANTARCTICA

Antarctica		
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
SPA	South Pole	
QSPA	South Pole Quiet Zone Earth Science Observatory	
Antarctic Peninsula		
AIA	Argentine Island	
ESPZ	Base Esperanza	
GGV	Gabriel Gonzalez Videla	
ANC	Marguerite Bay	
OHC	O'Higgins	
PMSA	Palmer Station	
SMAI	San Martin Antarctic Base	
Coats Land		
BELA	Belgrano 2	
HBA	Halley Bay	
Dronning Maud Land		
ABOA	Aboa	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
MAIT	Maitri	
VNA	Neumayer	
VNA3	Neumayer Olymp	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
NVL	N'lazarevskaya	
SNA	Sanae	
SNAA	Sanae	
SYO	Syowa Base	
TROLL	Troll, Antartica	
East Antarctica		
CCD	Concordia, Antarctica	
Enderby Land		
CASY	Casey	
King Edward VII Land		
LAA	Little America	
RMA	Rockefeller Mts	
Mac Robertson Land		
MAW	Mawson	
Marie Byrd Land		
BYR	Byrd	
BSA	Byrd (S.R.I.)	BY1
BYA	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BY1	Byrd--Stanford Research Institute	
Queen Mary Land		
MIR	Mirnyy	
OBA	Oasis-Bungera	
South Orkney Islands		
ORCD	Orcadas	
SGY	Signy Island	
South Shetland Islands		
AAS	Arctowski Station	
DEC	Deception Island	
JUBA	Jubany	
PED	Pedro Cerda	
SEJ	Sejong Station	
Terre Adelie		
DRV	Dumont d'Urville	
TAA	Terre Adelie	
Victoria Land		
HLL	Cape Hallett	
MCM	McMurdo Sound	
SBA	Scott Base	
TNV	Terranova Bay	
VNDA	Vanda	
VND	Vanda	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
Wilkes Land		
CSY	Casey Station	
WIL	Wilkes	

ASIA

Afghanistan		
HRA	Herat	
KBL	Kabul	
KAAO	Kabul (SRO)	KBL
KBU	Kabul University	
Armenia		
ALGS	Alagyaz	
AMBZ	Amberd	
AKSZ	Araks	
ARRZ	Ararat	
ARTS	Artic	
ARUZ	Aruch	
BVRS	Bavra	
BAW	Bavra	
CKLZ	Chkalov	
DARS	Darpas	
EGVZ	Egvard	
GNI	Garni	
GOGS	Gogaran	
GRS	Goris	
TUNS	Gyulagarak	
GMRZ	Gyumri	
HDR	Hadrut	
AIDS	Halavar	
MOLS	Halavar	
HARI	Harich	
HNAZ	Hnaberd	
IDJZ	Idjevan	
ISKY	Isaakyan	
DZR	Jermuk	
KDR	Kadzharan	
KAMZ	Kamo	
KAPZ	Kaputan	
KKRS	Karmrakar	
KRMZ	Karmrakar	
KATS	Katnaghbyur	
NB2S	Katnajur	
KETS	Keti	
XYB	Khnkoyan	
KIRO	Kirovokan	
COLK	Krashen	
LEN	Leninakan	
LMTZ	Lermontov	
LERZ	Lernakert	
LRNS	Lernantsk	
LYES	Lernapar	
LERS	Lernavan	
MTKZ	Martakert	
MTNZ	Martuni	
MGRZ	Megri	
MCRS	Metsamor	
METS	Metsamor	
METK	Mets Parni	
NRKZ	NAREK	
NARZ	Nor Artik	
SARS	Nor Kachakap	
NPPZ	NPP	
PAAR	P'arak'ar	
SRRS	Sarahart	
SATK	Sarapat	
KMLS	Shenavan	
SHNS	Shenavan	
SUSZ	Shushi	
SPZA	Spitak	
SPIZ	Spitak	
STE	Stepanavan	
ST1S	Stepanavan 1	
ST2S	Stepanavan 2	
ST7	Stepanavan 7	
STEZ	Stepenevan	
TCHZ	Tchakhmakh	
TORS	Torosgyugh	
TSOZ	Tsokhamarg	
KYB	Urasar	
VANZ	Vanadzor	
VNNZ	Vanand	
VRNZ	Vardanashen	
VRD	Vardenis	
VADZ	Vardenis	
XTNZ	Xhotanan	
ERE	Yerevan	
STKZ		
Azerbaijan		
AGDM	Agdam	
ATGJ	Altiaghaj	
ASTR	Astara	
ALIB	Äli-Bayramli	
BRDA	Ba@14rda@14	
BAK	Baki	
BAU	Ballabur	
BLQ	Beylaqan	
GLBA	Ca@14lilabad	
DZB	Cabrayil	
ZHI	Cilov Adasi	
QBL	Gabala	
GALA	Gala	
GANJ	Ganja	
KRV	Ganja	
GDB	GEDABAY	
GOBA	Gobu	
HYR	Heyderabad	
ISM	Ismayilli	
IML	Ismayilli	
ISL	Ismayilll	
KBJ	Kelbejer	
XNQ	Khinaliq	
KDMR	Kurdemir	
LNK	Lankaran	
LKRN	Lenkeran, Azerbaijan	
LRK	Lerik	
LKB	Lokbatan	
MGC	Mingacevir	
MNGR	Mingechevir, Azerbaijan	
NAX	Nakhchivan	
NDR	Nardaran	
NAK	Naxcivan	
ORD	Ordubad	
PQL	Pirkuli	
PRLS	Pirkuli	
QZX	Qazax, Azerbaijan	
GBS	Qobustan	
QRD	Qoradiz	
KUB	Quba	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QSAR	Qusar	
SAAT	Saatly	
SHKI	Saki	
SHE	Samaxi	
SBZ	Shahbuz	
SEKA	Sheki	
SIZA	Siya@14za@14n	
SMGA	Sumqayit	
YRD	Yardimli	
ZKTA	Zakatala	
ZKT	Zaqatala	
ZRD	Zardab	
Bahrain		
BEE	Al Areen	
BBU	Al Budayyi	
BRF	Ar Rifa	
BJA	Jaww	
BMU	Muharraq	
Bangladesh		
BRDH	Bariadhala	
CHT	Chittagong	
China		
Beijing		
BJT	Baijiatuau	
PEK	Beijing	BJI
BJI	Beijing	
BJI2	Beijing	
KWNG	Kwanting	
Fujian		
ZZJH	Jiuhuzhen	
QZN	Quanzhou	QZH
QZH	Quanzhou	
Gansu		
CYEH	Changyeh	
GTA	Gaotai	
LZH	Lanzhou	
LAN	Lanzhou	
LCC	Lanzhou	
TNH	Tianshui	
TUWA	Tungkwan	
WUW	Wuwei	
YUM	Yumen	
Guangdong		
GZH	Guangzhou	
CNT	Guangzhou	GZH
LMC	Lamocks	
Guizhou		
GYA	Guiyang	
KWA	Guiyang	GYA
HXI	Guiyang	GYA
Hainan Dao		
QIZ	Qiongzhong	
Hebei		
TIE	Tianjin	
Heilongjiang		
SUI	Sui-hua	
Hong Kong		
HKCD	Cape D'Aguilar	
CCHK	Cheung Chau	
HKC	Hong Kong Observatory	
HKPS	Hong Kong Po Shan	
HKLI	Keung Shan	
HKLM	Lead Mine Pass	
HKLK	Luk Keng	
HKSL	Siu Lam	
THK	Tsim Bei Tsui	
YHK	Yuen Ng Fan	
Hubei		
ENH	Enshi	
WHN	Wuhan	
WUH	Wuhan	
WUC	Wuhan	WHN
Jiangsu		
NAN	Nanjing	
NJI	Nanjing	NAN
NJ2	Nanjing	
ZSC	Sheshan	
ZSC*	Sheshan	
SSE	Sheshan	
ZKW	Sheshan	
Jilin		
CNH	Changchun	
CN2	Changchun	
HSK	Changchun	
MDJ	Mudanjiang	
Liaoning		
DL2	Dalian	
DAI	Luda	
SNY	Shenyang	
FEN	Shenyang	
YIN	Yingkou	
Macao		
MCO	Taipa Grande	
Nei Monggol Zizhiqu		
PAO	Baotou	BTO
BTO	Baotou	
HIA	Hailar	
HHC	Hu-ho-hao-te	
Ningxia		
YNC	Yinchuan	
Qinghai		
SNN	Xining	
Shaanxi		
TYF	T'ung-yeun Feng	

Code	Station Name	Other
SPE	Xi'an	XAN
XAN	Xi'an	
SIA	Xi'an	
Shandong		
TSN	Qingdao	
TIA	Tai'an	
Shanxi		
TTC	Datong	
LNF	Linfen	
TYN	Taiyuan	
TIY	Taiyuan	
Sichuan		
PEH	Beibei	
CDU	Chengdu	
CNU	Chengdu	CDU
CD2	Chengdu	
Xinjiang Uygur Zizhiqu		
KSH	Kashi	
WMQ	Urumqi	
WUS	Wushi	
Xizang Zizhiqu		
ST19	Bangong	
ST21A	Bangong Suture	
ST04	Boqe	
XIXI	Borongxiang, Xizang Zizhiqu	
CHUD	Chudeng	
CHUS	Chupsang	
NING	Damshung	
ST01	Deqen	
ST27	Doima	
ST18A	East Bangong	
ST06	East Boqe	
ST25	Heping	
JMAG	Jamag	
ST34	Jangngalda	
ST40	Last Nowhere	
LSA	Lhasa	
LHA	Lhasa	
LAZE	Lhatse, Xizang Zizhiqu	
LUMP	Lumpola	
MAZA	Mabujiaxiang, Xizang Zizhiqu	
ST12	Maintong	
MNBU	Menbuxiang, Xizang Zizhiqu	
ST39	Middle Nowhere	
ST38	More Nowhere	
RC14	Nage Dongri, Xizang Zizhiqu	
NAIL	Nailongxiang, Xizang Zizhiqu	
DONG	Nakchu	
ONRN	Ngamring, Xizang Zizhiqu	
NHIM	Nhimo	
ST19A	North Bangong	
ST22	North Bangong Suture	
ST05	North Boqe	
ST02	North Deqen	
ST28	North Doima	
ST29	Northeast Doima	
ST16A	Northeast Serting	
ST25A	North Heping	
ST35	North Jangngalda	
ST12A	North Maintong	
ST37	North of River	
ST11	North Palgon	
ST15	North Pangkog	
ST17	North Serting	
ST20	Northwest Bangong	
ST22A	Northwest Bangong Suture	
ST31	Northwest Twin Lake	
ST08	North Xuru	
ST36	Nowhere	
NASE	Paila	
ST10	Palgon	
PALB	Palub	
TAGA	Panbu Gunsar	
ST14A	Pangkog	
RBSH	Rongbusi, Xizang Zizhiqu	
SAGA	Saga, Xizang Zizhiqu	
SAJA	Sa'gya, Xizang Zizhiqu	
SSAN	Sangsangzhen, Xizang Zizhiqu	
ST16	Serting	
ST17A	South Bangong	
ST21	South Bangong Suture	
ST03	South Boqe	
ST00	South Deqen	
ST26A	South Doima	
ST23	Southeast Heping	
ST24	South Heping	
ST33	South Jangngalda	
SANG2	South of Nakchu	
ST09	South Palgon	
ST14	South Pangkog	
ST15A	South Serting	
ST32	South Thanglha	
ST18	Southwest Bangong	
ST26	Southwest Doima	
ST23A	Southwest Heping	
DINX	Tingri, Xizang Zizhiqu	
ST13A	West Mington	
STW1	West of Nyma	
ST30	West Twin Lake	
ST07	Xuru	
Yunnan		
KMI	Kunming	
KUN	Kunming	KMI

Cyprus

AKMS	Akamas	
AKMC	Akamas	
AKDN	Akdeniz- K¨–br¨–s	
AKIN	Ak¨–nc¨–lar- K¨–br¨–s	
ALFC	Alefka	
ASGA	Asgata	
ATHAL	Athalassa	
OSC1	CSNet OBS 1	
OSC2	CSNet OBS 4	
EREN	Erenkoy	
FAM	Famagusta	
HSY	Hisarkoy	
KANT	Kantara	
LEF	Lefka	
LFK	Lefkose	
MAGT	Magosa	
MAMC	Mammari	
CSS	Mathiatis	
MVOU	Mavrovouni	
NATA	Nata	
NIC	Nicosia	
CMET	Nicosia	
PPCY	Paphos	
PARAL	Paralimni	
PHNC	Paralimni	
SZAC	Souni	

Democratic People's Republic of Korea

PYO	Pyongyang	

East Timor

DLI	Dili	

Georgia

ABS	Abastumani	
AKH	Akhalkalaki	
BKRG	Bakuriani	
BKR	Bakuriani	
BROG	Barisakho	
BATM	Batumi	
BCHG	Becho	
BGD	Bogdanovka	
BOR	Borzhomi	
BGLV	Boslevi	
BTNK	Botanikuri	
BRNG	Burnasheti	
CHAG	Chala	
CHVG	Ch'k'valeri	
CBRG	Chuberi	
DGRG	David-gareji	
DDFL	Dedoflistskaro	
TBLG	Delisi	
DGN	Dgnorisa	
DMNI	Dmanisi	
DMNS	Dmanisi	
DUS	Dusheti	
GEG	Gegechkori	
GTS	Gentvishi	
GOR	Gori	
GUDG	Gudauri	
GUDA	Gudauri	
KZRT	Kazreti	
KZR	Kazreti	
KEH	Kehvi	
KHS	Khaishi	
KHEL	Khelvachauri	
KHVA	Khvani	
KMSG	Kumisi	
KYM	Kumisi	
KRYG	Kurzu	
LGD	Lagodekhi	
MARV	Martvili	
MTIG	Mestia	
MTEO	Meteo	
MTA	Mtatsminda	
NKK	Na'kalak'ari	
NTS	Ninotsminda	
ONI	Oni	
PNSH	Pansheti	
TI2	Plekhanov	
SBTG	Sabatlo	
SAB	Saberio	
SAMG	Sameba	
SRKG	Sareki	
SRCG	Sart'ichala	
TIF	T'bilisi	
SEAG	Tbilisi Sea	
TKI	Tkibuli	
TKB	Tkibuli	
TNTG	T'onet'i	
TRLG	Trialeti	
ZSH	Tsaishi	
TSE	Tsebel'da	
ZTZ	Tsit'eli Tsqaro	
URAV	Uravi	
VAD	Vardenisi	
VRZG	Vardzia	
VERG	Veris	
VRZT	Veris	
ZUG	Zugdidi	
AMRG		

India

Andaman Islands

BAKU	Bakultala	
BTNG	Baratang	
CMBY	CAMPBELL BAY	
CUBY	Cutbertbay	
DGPR	DIGLIPUR	
HVLK	Havelock	
HUTB	Hutbay	
KATL	Kadamtala	
MYB	Mayabunder	
PBA	Port Blair	
SHOA	Shoalbay	

Andhra Pradesh

ADKI	Addanki	
BNR	BHIKNUR	
CHLP	Challavanipeta	
HYB	Hyderabad	
HYD	Hyderabad	
HYBB	Hyderabad (broadband)	
KLRI	Killari	
KGD	Kothagudem	
NJS	Nagarjunasagar	
NLG	Nalgonda	
PVM	Polavaram	
RCLA	Racherla	
RPR	Rampur	
SKHT	Srikalahasti	
SRSP	Sriramsagar	
SRLM	Srisailam	
URV	Uravakonda	
VJD	Vijayawada	
VIS	Vishakhapatnam	
VISK	Vishakhapatnam	VIS
VIZ	Vizianagram	
WGL	Warangal	

Arunachal Pradesh

BMI	Bomdila	
INR	Itanagar	
ITAN	ITANAGAR	
KOI	Khonsa	
PASG	PASIGHAT	
TAWA	Tawang	
ZIRO	ZIRO	

Assam

AGIA	AGIA	
BKOA	Assam	
NGJA	Assam	
BOKO	BOKO	
DHUB	DHUBRI	
DIBR	DIBRUGARH	
GWH	Guwahati	
GUWA	GUWAHATI	
HLGA	Haflong	
HMNA	Hamren	
JHI	Jorhat	
JORH	JORHAT	
KZI	Kaziranga	
LKP	Lekhapani	
PNBI	Panbari	
SILR	SILCHAR	
TZR	Tezpur	
TEZP	TEZPUR	
TOC	Tocklai	
YYI	Yaongyimsen	

Bihar

BOK	Bokaro	
BOKR	Bokaro	BOK
SHBG	Sahibganj	

Delhi

AYAN	Aya Nagar	
LDR	Lodi Road	
NDI	New Delhi	
SONA	Sohna	

Goa, Daman and Diu

DHD	Dharwar	
GOA	Goa	

Gujarat

BHAC	Bhachau	
BHRD	Bharudia	
BHV	Bhavnagar	
BHJ	Bhuj	
BHUJ	Bhuj	BHJ
DOLA	Dholavira	
GDD	Ghadhada	
JUMK	Jumkunaria	
LAKD	Lakadia	
MAND	Mandvi	
MOTP	Motapaya	
NGOR	Nagor	
NALI	Nalia	
SHIV	Shivlakha	
TAPR	Tapar	
VJP	Vajepar	

Haryana

BHGR	Bahadurgarh	
KUDL	Kundal	
KKR	Kurukshetra	
RTK	Rohtak	
ROH	Rohtak	

Himachal Pradesh

BHAR	Bharisain	
CKA	Chakrata	
DLH	Dalhousie	
DHDN	Dehradun	
DHRM	DHARAMSHALA	
GKD	Gaurikund	
GTU	Guttu	
JWA	Jwalamukhi	
JWL	Jwalamukhi	
KLP	Kalpa	
KSLI	Kharsali	
KOTI	Kothi	
KKHI	Kotkhai	
NHN	Nahan	
NNR	Narayananagar	
NURP	Nurpur	
SMI	Simla	
SMLA	Simla	
SDNR	Sundarnagar	
TPVN	Tapovan	
THN	Thein Dam	
CUPL	Choutuppal	
CUD	Cuddapah	
DMPR	Damasthipur	
GGR	Gangavaram	
UMI	India	
JOSI	Joshimath	
LGTI	Lohaghat	
MYLAV	Mylavaram	
PONG	Pong	
SLGI	Shiliguri	
VLK	Valmikinagar	

Jammu and Kashmir

BASC	Basecamp	
JMU	Jammu	
JYP	Jyotipuram	
MUZF	Muzaffarabad	
PTPR	Partapura	
RMBN	Ramban	
SRNI	Srinagar	
UDP	Udhampur	

Karnataka

GBA	Gauribidanur Array	
KGF	KGF	
MNGI	Mangalore	

Kerala

PCHI	Peechi	
TRD	Trivandrum	
TRVM	Trivandrum	TRD

Laccadive Islands

MNCI	Minicoy	
MNCY	Minicoy	

Madhya Pradesh

BHPL	Bhopal	
BLSP	Bilaspur	
BLPI	Bilaspur	
JBP	Jabalpur	
REW	REWA	
SEH	Sehore	

Maharashtra

AKL	Akola	
BHAT	Bhatsa	
BOM	Bombay	
GOV	Govalcot	
KARD	Karad	
KAD	Karad	
KOLH	KOLHAPUR, MAHARASTRA	
KNI	Koyna Nagar	
LATR	Latur	
MAH	Mahableshwar	
NGP	Nagpur	
NSIK	Nasik	
POO	Poona	
PUNE	Pune	
STA	Satara	

Manipur

IMP	Imphal	
MUM	Manipur University	
TORI	Toribari	
UKHR	Ukrul	

Meghalaya

NGNA	Nongstoin	
SHIO	Shillong	SHL
SHL	Shillong	
TURI	Tura	
TURA	TURA	
DWK		

Mizoram

AZL	Aizawl	
AIZW	AIZWAL	
SAIH	SAIHA	

Nagaland

BHDI	Bhandari	
CHKI	Chanki	
KHM	Kohima	
KOHI	KOHIMA	
KGNI	Kongan	
MOKO	MOKOCHONG	

Orissa

BWNR	Bhubaneshwar	

Punjab

BNGR	Bahawalnagar	
BHK	Bhakra	
FTMN	Fort Manro	
KTAS	Katas	
MUK	Mukerian	

Rajasthan

AJM	Ajmer	
AJMR	Ajmer	AJM
JASL	Jaisalmer	
KHET	Khetri	

Sikkim

GTK	Tadong	

Tamil Nadu

MDRS	Chennai	
KRKL	Karaikal	
KOD	Kodaikanal	
MDR	Madras	
SALM	Salem	

Tripura

AGT	Agartala	
BELO	BELONIA	

Uttar Pradesh

ABI	ADIBADRI	
AGR	Agra	
AGRA	Agra	
ALBI	Allahabad	
ASOR	Ausora	
BRCI	Bahraich	
BISR	Bishrakh	
DDI	Dehra Dun	
DBND	Deoband	
GARI	Garurganga	
JHNI	Jhansi	
KALG	Kalgarh	
MEE	Meerut	
UGON	Onchagaon	
PLMI	Pala-Maneri	
PTH	Pithoragarh	
RTUL	Rataul	
SNP	Sonepat	
VAR	Varanasi	
WIHG	Wadia Institute--Dehra Dun	

West Bengal

CAL	Calcutta	
HOW	Howrah	
ITKG	Kharagpur	

Indonesia

Ambon

AAI	Ambon	
AMO	Ambon	
KRAI	Karang Ratu	
NLAI	Namlea	

Bacan

LBMI	Labuha	

Bali

IGBI	Denpasar	
DNP	Denpasar	
INGI	Ingas	
JEHI	Jehsanih	
KHKI	Kahang-Kahang	
KELI	Kelakatan	
NBBI	Negara	
RTBI	Rangdo, Negare	
RANI	Rangndo	
RATI	Rata	
SRBI	Singaraja	
THRI	Tanaharon	

Bangka

PPBI	Pangkal Pinang	

Bawean

BWJI	Bawean	

Borneo

KBKI	Kotabaru	

Buton

BBSI	Bau Bau	
BSSI	Bau Bau, Buton	

Flores

EDFI	Ende, Flores	
LBFI	Labuhan Bajo, Sumatra	
MMRI	Maumere	
MHIT	MHIT	
RUTI	Ruteng	
BATI	Baumata	

Irian Jaya

BAKI	Biak	
FAKI	Fak Fak	
GENI	Genyem	
JAY	Jayapura	
KMPI	Kaimana, Papua	
MWPI	Manokwari, Papua	
MENI	Mendum Tagoi	
MMPI	Merauke	
NABI	Nabire	
RKPI	Ransiki, Papua	
SMPI	Sarmi	
SIJI	Sorong	
SWI	Sorong	
TLE	Tual	
WAMI	Wamena	
YOMI	Yo Moklole	

Jawa

ABJI	Asem Bagus	
BND	Bandung	

Code	Station Name	Other
BJII	Banjamegara	
BLJI	Banyuglugur	
BYJI	Banyuwangi	
CNJI	Cibinong	
CGJI	Cibinong	
CLJI	Cilicap	
CMJI	Cimerak	
CISI	Cisompet, Garut	
CBJI	Citeko	
DBJI	Dramaga	
GED	Gedeh	
GRJI	Gresik	
GMJI	Gumukmas	
SCJI	Gunung Srandil	
JAGI	Jajag, Banyuwangi	
DJA	Jakarta	
JMBI	JAMBI	
JCJI	Jatiwangi	
KMMI	Kalianget	
KALI	Kaliastana	
KRKI	Karangkates	
KPJI	Karang Pucung	
KIJ	Kawah Idjen	
KEL	Kelud	
LEM	Lembang	
MLB	Malabar	
MAJ	Maron	
MRP	Merapi	
NGJI	Ngawi	
PCJI	Pacitan	
PWJI	Pagerwojo	
PACI	Pancar Gunung	
PASI	Pasiripis	
PULI	Pulasari	
SJI	Sawahan	
SNJI	Sawahan-Nganjuk, JISNET	
SRDI	Scrawed	
SMRI	Semarang	
SMR	Semeru Mts	KEL
SBJI	Serang	
SINI	Singah	
SKJI	Sukabumi	
TBJI	Tambak Boyo	
TNG	Tangerang	
TPJ	Tangkuban Prahu	
TGJI	Tegal	
TRT	Tretes	
UWJI	Ujung Watu	
CTJI	Waduk Cacaban	
UGM	Wanagama	
WOJI	Wonogiri, Jawa	
YOGI	Yogyakarta	
Kalimantan		
BKB	Balikpapan	
BKB2	Balikpapan	
BBKI	Banjar Baru	
MTKI	Muara Teweh, Kalimantan	
PKKI	Palangkaraya	
PLKI	Palangkaraya	
PBKI	Pangkalan Bun	
PTKI	Pontianak	
SMKI	Samarinda	
SGKI	Sangatta, Kalimantan	
STKI	Sintang	
TARAI	Tarakan	
Lombok		
KEDI	Kedomdong	
MTNI	Mataram	
KLNI	Mataram	
Moluccas		
BNDI	Bandanaira	
GAMI	Galela, Maluku	
GTOI	Gorontalo	
MSAI	Masohi	
SANI	Sanana	
SAUI	Saumlaki	
SLKI	Saumlaki	
TNTI	Ternate	
TNE	Ternate	
Nias		
GSI	Gunungsitoli	
Sulawesi		
APSI	Ampana	
BNSI	Bone	
BKSI	Bulukumba	
BUNI	Buntu Taipa	
BTNI	Buton	
KMSI	Cibinong	
KPNG	Kappang	
KAPI	Kappang	
KDI	Kendari	
KKSI	Kolaka, Sulawesi	
LUWI	Luwuk	
PMSI	Majene	
MJSI	Majene	
MKS	Makassar	
MMSI	Mamuju	
MNI	Manado	
MPSI	Mapaga	
MRSI	Marisa	
MSSI	Masamba	
NINI	Niniconang	
PCI	Palu	
SPSI	Sidrap Palu	
SKSI	Soroako, Sulawesi	
TTSI	Tana Toraja	
TANI	Tanete Lipujang	
TOLI2	Tolitoli	
TOLI	Toli-Toli	
Sumatera		
AEKI	Aeknabara	
BSI	Banda Aceh	
BLSI	Bandar Lampung	
BKNI	Bangkinang	
BGI	Bengkulu	
EGSI	Enggano, Bengkulu	
HUTI	Huta Ginjang	
KSI	Kapahiang	
KRJI	Kerinci	
KKD	Korintji-Dempo	
KASI	Kota Agung	
KLI	Kotabumi	
KCSI	Kotacane, Aceh	
LHSI	Lahat	
LASI	Langsa, Aceh	
LARI	Lau Rambong	
LHMI	Lhok Sumawe	
LWLI	Liwa	
MNSI	Mandailing Natal	
MNAI	Manna	
MRPI	Mariponipon	
MARI	Martimbang	
MASI	Maura Aman, Bengkulu	
MDSI	Maura Dua	
MBSI	MBSI	
MED	Medan	
MLSI	Meulaboh, Aceh	
PDSI	Padang	
PPI	Padang Panjang	
PMBI	Palembang	
PCBI	Pancar Batu	
PENI	Pendagan	
PSI	Prapat	
PBSI	Pulau Batu	
PPSI	Pulau Pagai	
PWS	Pulau-Weh	
RBSI	Rajabasa	
RPSI	Rantau Prapat	
RGRI	Rengat	
SISI	Saibi	
SEMI	Semponon	
SIBI	Sibayak Dolok	
SBSI	Sibolga	
SIMI	Simarbalatuk	
SNSI	Sinabang, Aceh	
SLS	Soengei Langka	
SDSI	Sungai Dareh	
TLN	Talang	
TPI	Tanjungpandan	
TPRI	Tanjung Pinang	
TRSI	Tarutung	
TSI	Tuntungan	
UBSI	University, Bengkulu	
TPTI		
KLSI		
Sumba		
BASI	Baing, Sumba	
BMNI	Bima	
DBNI	Kabupaten Dompu	
PLAI	Plampang	
TWSI	Taliwang, Sumbawa	
WBSI	Waikabubak, Sumba	
WSI	Waingapu	
Timor		
BWTI	Baumata	
KUPT	Kupang	KUG
KUP	Kupang	
KUG	Kupang	
SOEI	Soe	
Iran		
QABG	Abgarm-Qazvin	
IAFJ	Afjeh	
AFRZ	Afriz	
HAGD	Aghdareh	
AHBU	AHRAM	
AHWZ	Ahwaz	
IAKL	Akhelmad	
QALM	Alamut, Qazvin	
IALA	Alasht	
ALIA	Aliabad	
ANAR	Anarak	
IAND	Andimeshk	
IANJ	Anjilo	
ASAO	Ashtian	
IAZR	Azarshahr	
IBAF	Bafgh	
IBND	Bandar-abas	
BNDS	Bandar-Abbas	
BSRN	Basiran	
BIRU	Birjand	
BJRD	Bojnu@18rd	
BJMA	Bojnurd	
IBST	Bostanabad	
IBZA	Bozab	
IBRJ	Brojen	
QBNZ	Buin Zahra, Qazvin	
CSN1	Caspian	
CHBR	Chabahar	
CHTH	Charan	
ICHK	Chekchek	
CHMN	Cheshme madani	
KCHF	Cheshme Sefid, Kermanshah	
IDAH	Dahanechah	
DAMV	Damavand	
IDMV	Damavand	
BDRS	Dareh Seyedi	
SCNT	Darkhovein	
IDSA	Dashabbas	
IDHR	Dehrash	
IDOB	Doab	
IEMG	Emamgholi	
IFTB	Fath-abad	
IFIR	Firoozkooh	
GENO	Geno	
GRMI	Germi	
IGHG	Ghaleghazi	
IGLO	Ghaloghah	
QAM	Ghamsar	
IGAR	Gharneh	
IGZV	Ghazvin	
GHIR	Ghir-Karzin	
GHVR	GHOM	
GNKF	Gonabad	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHRS	Heris	
IHOS	Hoseineyeh	
IR5	Iran Long-Period Array	
IR3	Iran Long-Period Array	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IRSH	Iranshahr	
JHBN	Jahan bin	
JHRM	Jahrom	
JRKH	Jarkhoshk	
JSK1	Jask	
JIR1	Jirandeh	
IKFM	Kafar-mosalman	
KHNJ	Kahnooj	
KHI	Kakhk	
IKMR	Kamar-syah	
IKRD	Kardeh	
KRSH	Karshahi	
IKAZ	Kazeroun	
KAZ1	Kazerun	
KRBR	Kerman	
KRBA	Kerman	
KER	Kermanshah	
ADB	khalkal	
IKAR	Kharkheh	
SKHZ	Khezeriat	
KHMZ	Khomeyn	
IKIA	Kiasar	
KHSK	Kohestak	
KHGB	Koh Gabri	
HKZM	Kohzaman	
IKLH	Kolahrood	
KLNJ	Kolanjah	
IKOM	Komasi	
TKDS	Koohdasht(Tabas)	
IKOO	Kooshah	
LHJ1	Lahijan	
LMD1	Lamerd	
LAR1	LAR	
ILAS	Lasjerd	
ILIN	Lien	
IMAH	Mahabad	
MAHB	Mahabad	
IMHD	Mahdasht	
MAKU	Maku	
IMRD	Marand	
MRVT	Maraveh tapeh	
SMRD	Mared	
MHI	Mashad	MAIO
ISRO	Mashad	
MSH	Mashhad	
MAIO	Mashhad (SRO)	
MUI	Mashhad University	
MSHA	Masjed Soleyman	
IMEH	Mehriz	
BMDN	Meydan	
IMYA	Miami	
MISD	Mianeh	
MNB1	Minab	
IMIN	Minoodasht	
IMND	Minoodasht	
IMOG	Moghan	
SMGT	Moghavemat	
IMON	Monand	
IMOK	Mouk	
NASN	Na'in	
TNSJ	Nastanj	
NGRK	Negar Kerman	
NGCH	Negor - Chabahar- Iran	
NHDN	Nehbandan	
NIAN	Nian	
NOSH	Now Shahr	
IPAR	Pars	
TPRV	Parvadeh(Tabas)	
IPAY	Payeh	
IPRN	Peran	
IPIR	Pirpir	
QAMS	Qamsar	
IQOM	Qom	
IQHU	Qucahn	
RFDD	Rafsanjan	
IRAM	Ramesheh	
RMKL	Ramhormoz	
RST1	Rasht - Gilan	
IRAZ	Razeghan	
ROKH	ROKH	
SBZV	Sabzevar	
ISAD	Sadrabad	
HSAM	Samen	
SNGE	Sanandaj	
ISRB	Sarab	
SRMB	Sarakhs	
SRVN	Saravan	
HSRG	Sareghieh	
ISRV	Sarvestan	
SRI	Sefi@18d Ru@18d	
SEF	Sefi@18d Ru@18d	SRI
ISFB	Sefidab	
SMAV	Semnan-Aivanekay	
ISFR	Sfrayin	
SHD	Sha@18hru@18d	
ISHB	Shabestar	
SSHG	Shadegan	
ISHM	Shahmirzad	
SHRT	Shahrakht	
ISHR	Shahran	
SHRO	Shahrood	
SHI	Shiraz	
ISHV	Shirvan	
SHGR	Shooshtar-Gavsavar	
ISHO	Shoshtar	
SHGO	Shushtar	
TABS	Tabas	
TAB	Tabri@18z	
ITBZ	Tabriz	
TGI	Taghi Ghambar	
THR	Tehra@18n	
TEH	Tehran	
THKV	Tehran--Karaj	
ITEG	Tejag	
TVBK	TV Kerman	
IVRN	Varamin	
IVIS	Veis	
IASBS	W01	
YZKH	Yazd	
SZD1	Zahaedan-tmp	
ZHDN	Zahedan	
ZHSF	Zahedan	
ZNGN	Zangian	
ZNJK	Zanja@18n	
IZEF	Zefreh	
BZRK	Zereshkeh	
Iraq		
IBDR	Badra	
BHD	Baghdad	
BSR	Basra	
IKRK	Kirkuk	
MSL	Mosul	
NSR	Nassriya	
RTB	Rutbah	
SLY	Sulaymaniyah	
Israel		
ADI	Adamit	
AMAZ	Amatzia	
AMZI	Amatzia	
ARVI	'Arava Valley	
ATR1	Atar 1	
BGIO	Bar Giyyora	
BTI	Bat Shelomo	
GVI	Bet Guvrin	
BLGI	Bet Lehem HaGelilit	
BRNI	Bet Oren	
BSO	Bsor	
DSI	Dead Sea	
DSD2	Dead Sea Dam 2	
DIMI	Dimona	
DOR	Dorot	
DRGI	Dragot	
ENGI	Ein Gedi	
EIL	Elat	
GEM	Giv'at Ha'Em	
GVMR	Giv'at Hamore	
GLH	Golan-Tel Qazir	
HAF	Haifa	
HNTI	Hanita	
HLZ	Helez	
JNI	Jehonathan	
JER	Jerusalem	
JVI	Jordan Valley	
KMTI	Karmit	
KSDI	Kefar Szold	
KERI	Keren	
KSHT	Keshet	
HRSH	Kfar Ka'horesh	
KZIT	Kziot	
NOH	Ma'ale Noah	
MKT	Machtesh Katan	
MNFI	Manof	
MZBI	Masada	
MZDA	Masada	
MSDA	Masada	
MASH	Mash'abbe Sade	
MDBI	Mazsada	
MAMI	Mei-Ami	
ASI	Mount Amassa	
ATZ	Mount Atzmon	
MBH	Mount Berech	
CRI	Mount Carmel	
MGI	Mount Gilboa	
HRFI	Mount Harif	
HRI	Mount Hermon	
MML	Mount Malkishua	
MMLI	Mount Malkishua	
MNRI	Mount Meron	
MRNI	Mount Meron	
MMR	Mount Meron	
MMA0B	Mount Meron array	
MMB3	Mount Meron array	
MMC4	Mount Meron array	
MMC6	Mount Meron array	
MMC3	Mount Meron array	
MMC7	Mount Meron array	
MMA0	Mount Meron array	
MMA4	Mount Meron array	
MMA2	Mount Meron array	
MMB2	Mount Meron array	
MMC1	Mount Meron array	
MMC5	Mount Meron array	
MMB1	Mount Meron array	
MMA1	Mount Meron array	
MMB4	Mount Meron array	
MMC2	Mount Meron array	
MMA3	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MOI	Mount Montar	
RMN	Mount Ramon	
RMNI	Mount Ramon	
MSM	Mount Sar Shalom	
SDOM	Mount Sodom	
MYI	Mount Yahel	
YASH	Mount Yoash	
MBRI	Mt Berech	
HMDT	Nahal Hemdat	
NATI	Neve Ativ	
OFRI	'Ofer	
PRNI	Paran	
KRMI	Paran Flat	
PARD	Parod	
RTMI	Retamim	
RTMM	Retamin	
REVI	Revivim	
RVVM	Revivim	
SAGI	Saggi Highlands	
SLTI	Sal'it	
SZAF	Shezaf	
SVTA	Shivta	
YTIR	Yattir	
ZNH	Zanoah	
SAF	Zefat	
ZFRI	Zfri	
ZNT	Zur Nathan	
Jammu and Kashmir		
BDGH	Bhadarwah	
BDRWA	Bhadarwah	
DODA	Doda	
GANDO	Gandoh	
KSHWR	Kishtwar	
SRIN	SRINAGAR	
TATRI	Thathri	
THTRI	Thathri	
Japan		
Abashiri		
ABJ	Abashiri	
ABJ2	Abashiri 2	
JTKR	Abashiri--Tokoro	
JAK	Akkeshi	
KNP	Kunneppu	
JMP	Maruseppu	
Aichi		
JAA	Atsumi	
CHTJ	Chita	
JICN	Ichinomiyachiaki	
INU	Inuyama	
MIKN	Mikawa	
NAG	Nagoya	
SYJ	Shimoyama	
JSSY	Shinshiroyabe	
TYH	Toyohashi	
TYNN	Toyone	
Akita		
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
KOMT	Akitakoma	
FUT	Futatsui	
JAH	Hinai	

Code	Station Name	Other
HJY	Honjo	HJH
HJH	Honjo	
NIB	Nibetsu	
JNTW	Noshirotokiwa	
OGH	Oga	
JOG	Oga	
JOG2	Oga 2	
JOG3	Oga3	
TBS	Tobishima	
TOBT	Tobi-shima	
YOKT	Yokooka	
JYW	Yuwa	
Aomori		
AOM	Aomori	
AOM1	Aomori	
AOMJ	Aomori 2	
AOM3	Aomori 3	
JAHD	Aomorihigashidori	
JARK	Aomorirokkasho	
DAKH	Dake	
GNK	Ganki	
HAC	Hachinohe	
HACJ	Hachinohe 2	
HATH	Hata	
HRD	Hirodai	
JHHS	Hirosakihyakuzawa	
IZMH	Iizume	
JIW	Iwasaki	
KZW	Kaizawa	
JANG	Nango	
JOT	Ohata	
JSI	Shiura	
JSI2	Shiura 2	
TNB	Tanabu	
JTM	Tenmabayashi	
YAY	Yayoi	
Bonin Islands		
JCJ	Chichijima	
CBI	Chichi jima	
CBIJ	Chichi jima	
TTZ	Chichi shima	
HJJ	Hachijo jima	
JHJ	Hachijo jima 2	
JHCJ	Hachijojimakashitate	
JHHJ	Haha-jima-NKT	
JHH2	Haha-jima-NKT2	
YUO	Iwo jima	
JKO	Kozu shima	
JHJ2	Mitsune	
MKJ	Miyake jima	
JMY	Miyakejima3	
NJJ	Nii jima	
NJJJ	Nii jima 2	
OGS	Ogasawara	
OSHJ	Oshima	
OSH	Oshima	
JIM	O shima 2	
JIM2	Oshima 3	
TOR	Tori shima	
Chiba		
COJ	Choshi	
CHO	Chosi	
CHOJ	Chosi	
CHO1	Chosi	
ICH	Ichihara	
INB	Inubo	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
IWJ	Iwai-Kita	
JKUC	kamogawauchiura	
KTR	Katsuura	
KYS	Kiyosumi	
KIY	Kiyosumi	
TMS	Mera	
MNJ	Mineoka	
JCN	Nagara	
SKU	Sakura	
JSMT	Sammumatsuo	
SMJ	Shimohsa	
TAT	Tateyama	
TYM	Tateyama	
TATJ	Tateyama 2	
TOG	Togane	
YKI	Yokaichiba	
Ehime		
MTY	Matsuyama	
JNA	Nagahama	
NHM	Niihama	
JET	Tanbara	
UWA	Uwa jima	
UWA2	Uwa jima 2	
Fukui		
FUK	Fukui	
FKJD	Fukui	
HKJ	Hokoriku	
IMJ	Imajo	
KAJD	Katsuyama	
KADD	Katsuyama	
MHJ	Mihama	
SGJ	Sugihashi	
TSR	Tsuruga	
TSRJ	Tsuruga	
Fukuoka		
JFA	Akaike	
AKM	Akama	
FKK	Fukuoka	
IZK	Iizuka	
JFI	Itaya	
Fukushima		
AID	Aizu	
FKS	Fukushima	
JFFD	Fukushimafurudono	
JHK	Hiroka	
IWK	Iwaki	
ONAJ	Iwakimizuishiyama	
KNY	Kanayama	
JFK	Kawauchi	
MAKT	Makukawa	
JMST	Minamisoumatochikubo	
ONA	Onahama	
JFT	Otama	
SHR	Shirakawa	
SHRJ	Shirakawa 2	
JFY	Yanaizu	
Gifu		
AMJ	Amo	
GIF	Gifu	
ITD	Itadori	
KTJD	Kamitakara	
JGF	Kuroka	
KHJ	Kushihara	
MZE	Maze	
JGM	Miyama	
JGN	Niukaw	
JAO	Obara	
OHRN	Oohira	
SMJD	Shimonomoto	
SPJN	Shinpukuji	
SRJD	Shirakawa	
SRJ	Sugihara	
TKN	Takane	
TKY	Takayama	
TAKN	Takayama	
TKZ	Takazawasan	
TKJD	Tokuyama	
TKC	Tsukechi	
YKE	Yakedake	
JYTA	Yamagatataniai	
Gumma		
JGK	Kuni	
MAE	Maebashi	
MAEJ	Maebashi 2	
ODSE	Onioshidashi	
Hidaka		
JBT	Biratori	
JBT2	Biratori 2	
ERM	Erimo	
JEM	Erimo	
HIC	Hidaka-Cho	
KMU	Kamikineusu	
MSN	Misono	
MUJ	Mitsuishi	
URA	Urakawa	
URAJ	Urakawa 2	
URA3	Urakawa 3	
JNBK	Urakawa-nobuka	
Hiroshima		
HIR1	Hiroshima	
HIR	Hiroshima	
HIRJ	Hiroshima 2	
JJG	Jouge	
JHM	Kurahashi	
KRE	Kure	
KUT	Kutsugahara	
MKW	Mikawa	
NKR	Nakanohara	
JHS	Saijyo	
SHK	Shiraki	
JHT	Toyohira	
UZT	Uzuto	
Hiyama		
JHY	Hiyama	
IMG	Imagane	
KKJ	Kaminokuni	
OKS	Okushiri	
JOSM	Okushiri--Matsue	
JOR	Okushj	
JSH	Shimam	
JSR	Shiriuchi	
Hokkaido		
HTUJ	Hattaushi	
JSHD	Hidakashinhidaka	
JHST	Hiyamasetana	
HRK	Horoka	
IWN	Iwanai	
SKBJ	Kato	
RUSJ	Misakicho	
TNKJ	Nakagawa	
JOMM	Oshimamatsumae	
JRBN	Rebuntou	
JTHR	Tokachihiroo	
Honshu		
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
Hyogo		
JAJ	Awaji shima	
JAWN	Awajishima-nagasawa	
HMTD	Hikami	
HIM	Himeji	
IZT	Izumi	
KZT	Kanzaki	
JKS	Kasai	
JKSM	Kasumi	
KOB	Kobe	
KBE	Kobe	
JMT	Mikata	
MZT	Mikazuki	
JMIK	Miki	
OYT	Oya 1	
OYT2	Oya 2	
RKO	Rokko	
SNZ	Senzan	
SUM	Sumoto	
TTOK	Tanto	
TYK	Toyo'oka	
JAJ2	Tsuna	
TNAK	Tsuna	
YZT	Yamasaki	
YST	Yumesaki	
Ibaraki		
JHYU	Hitachinakayamanoue	
JIHU	Itakohorinouchi	
KAK	Kakioka	
KAKJ	Kakioka Outpost	
MIT	Mito	
MRJ	Moriya	
MTJ	Mount Tsukuba	TSK
OKI	Okijuku	
TSK	Tsukuba	
JYT	Yasato	
Iburi		
GENH	Genta-Ana	
HORH	Horominai	
JIAM	Iburiatsuma	
NRMH	Kita-Gairin	
KITH	Kitausu	
KONH	Konpirayama	
MATH	Matsumotoyama	
SRMH	Minami-Gairin	
MITH	Mitoyo	
MRR	Muroran	
MRRJ	Muroran 2	
JNB	Noboribetsu	
OHD	Ohdaira	
SHOH	Showa-Shinzan	
TATH	Tatsuka	
TMR	Tomakomai	
UVO	Usu Kazan Kan	
Ishikari		
JEW	Eniwo	
HSS	Hokkaido University	
JISS	Ishikarishitsubu	
SAP	Sapporo	
Ishikawa		
JJH	Hakui	
JHG	Hegura jima	
HRJ	Horyu	
JKG	Kaga	
KAN	Kanazawa	
KANJ	Kanazawa	
KAN2	Kanazawa 2	
KMJD	Komatsu	
KMD	Komatsu	
JSZ	Suzu	
WAJ	Wa jima	
Iwate		
K06	Arakawa	
K11	Fujikirizawa	
HSH	Hashikami	
HMK	Himekami	
JMK	Ichinoseki	
IMAT	Imadeyama	
K05	Ishipane	
JSZI	Iwateshizukuishi	
KGJ	Kitakami	
K12	Koide	
K04	Kokoji	
K07	Kotohata	
JKEN	Kujiedanarisawa	
JKZ	Kuzumaki	
MIY	Miyako	
MKO	Miyako	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIW	Mizusawa	MIZ
K08	Monomi-yama	
MRK	Morioka	
MRKJ	Morioka 2	
K01	Nishinai	
OFU	Ofunato	
OFUJ	Ofunato	
JOM	Ohasama	
K09	Ooide	
K10	Oonodaira	
JRG	Rokugo	
SNI	Sanriku	
SAH	Sawauchi	
K03	Shimotochinai	
JTH	Tanohata	
K02	Yamasaki	
KDT	Kodera	
JNIO	Niijimaoohara	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
Kagawa		
JJS	Sakaide	
TAD	Tadotsu	
TKM	Takamatsu	
Kagoshima		
FURD	Furusato	
GON	Gongen	
HIKD	Hikinohira	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KV01	Kirishima Volcano	
KITD	Kitadake	
KOID	Koike	
JMTN	Minamitane	
NABD	Nabeyama	
NOJ	Nojiri	
JZO	Okuchi	
KV05	Oonami East	
KV03	Oonami West	
JSJ	Shimokoshiki	
SHRD	Shirahama	
KV12	Sinyu	
JSU	Suzuyama	
KV11	Takachiho West	
JTSR	Tashiro 2	
JYRO	Yoronjima	
YOSD	Yoshimatsu	
YSM	Yoshimatsu	
Kamikawa		
AIB	Aibetsu	
ASAJ	Asahikawa	
ASA	Asahikawa	
JFR	Furan	
JKK2	Kamakawa 2	
JKK	Kamikawa	
JKA	Kamikawa-asahi	
Kanagawa		
KMK	Kamakura	
HRM	Kawasaki	
ASG	Minamiashigara	
MSK	Misaki	
JOD	Odawara	
JOD2	Odawara 2	
OYM	Oyama	
JSGW	Sagamiharawakayanagi	
SRY	Shiroyama	
TKE	Take-yama	
YOK	Yokohama	
JYO	Yokosk	
YSK	Yokosuka	
Kochi		
AOU	Aou	
ASZ	Ashizuri	
IHR	Ishihara	
KOC	Kochi	
JKHR	Kochiharuno	
JKU	Kubokawa	
JMN	Monobe	
MRT	Murotomisaki	
MRMJ	Muroto Misaki	
MRT2	Murotomisaki 2	
SHM	Shimizu	
JTO	Tosashimizu	
URS	Ugurusu	
UMJ	Umaji	
WMY	Wakamiya	
Kumamoto		
ASO	Aso	
ASJ	Aso san	
JBEP	Beppuamama	
JHD	Hondo	
HONK	Hondo	
JIU	Izumi	
JIU2	Izumi 2	
JIU3	Izumi3	
KISK	Kishima-dake	
KUM	Kumamoto	
KUMJ	Kumamoto 2	
MAKK	Maki	
SUNK	Sunasenri	
TAKK	Taka-dake	
JTA	Tamana	
Kushiro		
AKK	Akkeshi	
JAR	Ashorobuto	
KUSJ	Kushiro	
KSUJ	Kushiro	KUSJ
KUS	Kushiro	
JKHN	Kushirohamanaka	
JOB	Onbets	
TES	Teshikaga	
Kyoto		
KGMK	Kamigamo	
KMM	Kamigamo	
KHK	Keihoku	
KYO	Kyoto	
MAI	Maizuru	
MZH	Maizuru	
MZH2	Maizuru 2	
JFM	Mihama	
MYD	Miyazu	
SZG	Shizugawa	
TNJ	Tannan	
UJI	Uji	
JWT	Wachi	
JKY	Yasaka	
Marcus Island		
MCS	Marcus Island	
MCSJ	Minami-tori-shima	
Mie		
GOZ	Gozaisho	
GZS	Gozaisho	GOZ
INA	Iinan	
ISE	Ise	
JIE	Ise	
IWO	Iwaosan	
KAM	Kameyama	
KMYN	Kameyama	
JKN	Kiinagashima	
JKN2	Miekihoku	
JMMH	Miemihama	
OWA	Owase	
TSU	Tsu	
TSU1	Tsu	
TSUJ	Tsu 2	
UGK	Ugakei	
Miyagi		
AOB	Aobayama	
ISN	Ishinomaki	
JIKH	Ishinomakikobuchihama	
KMF	Kamafusa	
KWT	Kawatabi	
JKMT	Kesennumamotoyoshi	
KSN	Kinkasan	
JMM	Marumori	
JOFO	Osakifurukawaosaki	
JIO	Ouri	
SEN	Sendai	
TUY	Tsuyama	
Miyazaki		
JMH	Hososhima	
JHHC	Hyugahichiya	
KV02	Kamimonzen	
KV06	Karakunidake	
JKJ	Kijyo	
JKIT	Kitakata	
KV04	Kurino-dake	
JJK	Kushima	
JNAR	Kushima--Naru	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
JNKG	Nichinankitagou	
NOB	Nobeoka	
KV09	Okamoto-Ura	
JTZ	Takazaki	
JTSN	Tsuno	
KV91	Ura	
Nagano		
AVOE	Asama Observatory	
ASM	Asama Yama	
GPY	Gippayama	
HSJ	Hoshina	
HTK	Hotokeiwa	
HZA	Huzimizaka	
IID	Iida	
IJDJ	Iida	IIDJ
IIDJ	Iida	
IKJ	Ikusaka	
KRJ	Kamimuroga	
KRZ	Karuizawa	KAZ
KAZ	Karuizawa	
KSJ	Kashima	
KMGE	Kuromamegawa	
MJ00	Matshushiro Site	
MJA0	Matsu Arr-Jizo	
MJB3	Matsu-Daira	
MJB8	Matsu-Inaba	
MJB6	Matsu-Irikaruiz	
MJA4	Matsu-Jizotouge	
MTMJ	Matsumoto	
MTM	Matsumoto	
MJB4	Matsu-Nakagumi	
MJA2	Matsu-Nakaone	
MAJO	Matsushiro	
MAT	Matsushiro	
MJAR	Matsushiro Array Beam Reference Point	
MAT0	Matsushiro Array Site 0	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJA3	Matsu-Soehiyama	
MJB2	Matsu-Sugadaira	
MJB1	Matsu-Takimoto	
MJA1	Matsu-Toyosaka	
MJB9	Matsu-Tunnel	
MJB7	Matsu-Wadaira	
MJB5	Matsu-Yatsubo	
NGN	Nagano	

Code	Station Name	Other
NGJ	Na-gawa	
NNJ	Nakano	
NSW	Nakanosawa	
JNG	Nsakai	
OMJ	Ohmine	
OIW	Oiwake	
OOS	Ooshika	
SDJ	Sanada	
STRE	Sannotorii	
SSZ	Sekisonzan	
SHZE	Shinhuzimiza	
SSJ	Shinshu-shinm'i	
JNY	Yasuok	
Nagasaki		
CJA	Chijiwa	
FKJ	Fukue	
JFU	Fukue jima 2	
JII	Iki	
IZUJ	Izuhara	
IZU	Izuhara	
IZU2	Izuhara 2	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
SWAJ	Obama	
SHV	Shimbara	
TOM	Tomie	
JTU	Tsushima	
JTSM	Tsushimamitsushima	
UNZ	Unzen dake	
JUR	Ureshino	
Nara		
HBR	Haibara	
JHE	Heguri	
NAR	Nara	
JNTK	Naratenkawa	
SRT	Sarutani	
YAG	Yagi	
Nemuro		
JNK	Nakash	
NEM	Nemuro	
NEM2	Nemuro 2	
NMR	Nemuro--Hokkaido University	
JNSB	Nemuroshibetsu	
JRA	Rausu	
Niigata		
AIK	Aikawa	
JAW	Awa shima	
ITGE	Itoigawa	
JIZZ	Izumozaki	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
JJN	Nakama	
NII	Niigata	
NIIJ	Niigata 2	
NOUE	Nou	
JSD	Sado	
JNS	Sasagawa	
SBH	Shibata	
TKJ	Takada	
TKD	Takada	
YHKE	Yahiko	
YNT	Yunotani	
YZU	Yuzawa	
Oita		
BEP	Beppu	
JKI	Kunimi	
JNU	Nakatsue	
OIT	Oita	
OIT2	Oita 2	
JSKE	Saikikamae	
JUS	Usuki	
Okayama		
JAD	Aida	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
Osaka		
ABU	Abuyama	
KAJ	Kashiwara	
KTNK	Katano	
MYO	Myokensan	
OSA	Osaka	
OSK	Osaka	
TKU	Takayasuyama	OSK
O shima		
ESH	Esan	
HAK	Hakodate	
HAKJ	Hakodate 2	
JKB	Kayabe	
MOR	Mori	
JYM	Yakumo	
JYM2	Yakumo 2	
Rumoi		
HAB	Haboro	
RMJ	Rumoi	
JSS	Shosan	
TOI	Tomamai	
JYG	Yagishiri	
Ryukyu Islands		
JAGN	Aguni-jima	
JAMN	Amaminishikomi	
JAM	Amami Oshima	
JOGS	Gusukube	
HATJ	Hateruma jima	
JIH	Iheya	
JIKM	Ikemajima	
JIRB	Irabujima	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
ISI	Ishigaki jima	
JIJ	Ishigaki jima 2	
JISG	Ishigakijimahirakubo	
ISHJ	Ishigaki Ryukyu Islands	
JZK	Kikaishima	
JKDJ	Kitadaitoujima	
JKC	Kuchinoerabu	
KMJ	Kume jima	
JKE	Kume jima 2	
JOW	Kunigami	
JKRS	Kuro-shima	
MWS	Mawashi	
JMZ	Minamidaito 2	
MVI	Minamidaito jima	
JMJ	Miyako jima 2	
JMJ2	Miyako jima3	
MYK	Miyako zima	
NGO	Nago	
NGO1	Nago	
NAGO	Nago	
JNTH	Nagotoyohara	
NAH1	Naha	
NAH	Naha	
JNN	Nakanoshima	
NKE	Nake	
NZJ	Naze	
JOKE	Okinoerabujima	
JTAJ	Takarajima	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JJT3	Tamagusuku3	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
JTN	Tanegashima 3	
JTJ	Tarama	
JTK	Tokunoshima	
YKS	Yaku shima	
JYAK	Yakushimahirauchi	
YOJ	Yonaguni jima	
JYJ	Yonaguni jima 2	
JYNG	Yonagunijimakubura	
Saga		
SAG	Saga	
Saitama		
CHJJ	Chichibu	
CHJ	Chichibu	
DDR	Dodaira	
JHU	Hanno	
IWT	Iwatsuki	
KOM	Komaba	
KMG	Kumagaya	
JRY	Ryogami san	
Shiga		
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AZJ	Azai	
BHOK	Bomura	
JEG	Eigenji	
HIK	Hikone	
IBU	Ibuki Yama	
KNJD	Kanaihara	
KWJ	Kawai	
OHM	Omihachiman	
ORJ	Oura	
JTG	Taga	
Shimane		
FUB	Fube	
JGT	Gotsu	
HMD	Hamada	
JHIK	Hikimi	
JNM	Ikuma	
JISK	Izumosakaura	
JMD	Masuda	
MTS	Matsue	
JJO	Oda	
JOI	OKI	
SAI	Saigo	
JGT2	ShimaneMisato	
Shiribeshi		
AHS	Asahigawa	
NKS	Nakayama Pass	
JSK	Shakotan	
SUT1	Suttsu	
SUT	Suttsu	
Shizuoka		
AJI	Ajiro2	
JFNN	Fujinakano	
GTN	Gotemba	
JHMK	Hamakita	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HDAN	Heda	
HEDN	Heda	
HRG	Hirogawara	
ITO	Ito	
JHTM	Izuhatsuma	
JIZS	Izushimoda	
JKKG	Kakegawa	
KGW	Kakegawa	
JKKS	Kakegawashinomba	
KTJ	Kamata	
KTJJ	Kamata 2	
KTJ3	Kamata3	
KWZ	Kawazu	
KOY	Koyama	
MIZN	Minamiizu	
MSKJ	Misakubo	
MIS	Mishima	
MZI	Mizumiiro	
NGT	Nagatsuro	
NRME	Naramoto	
NGHE	Neginohata	
NRY	Nirayama	
NSI	Nishiizu	
NUM	Numazu	
OKB	Okabe	
OKN	Okuno	
OMA	Omae zaki	
JSG	Sagara	
SGRN	Sagara	
SGMN	Shimogamo	
SMK	Shimokamo	
SHZ	Shizuoka	
SHZJ	Shizuoka 2	
SHZ3	Shizuoka 3	
SUS	Susaki	
TNRJ	Tenryu	
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
YOS	Yoshiwara	
JYZW	Yoshizawa	
Sorachi		
JAB	Ashibetsu	
JHR	Hokuryu	
Soya		
JWK2	Keihoku	
JRR	Rishiri	
JSE	Soyaes	
JWK	Wakkake-Misaki	
WAKJ	Wakkanai	
WAK	Wakkanai	
Tochigi		
JAG	Ashikaga	
JHO	Hitachi	
KKGU	Kamikuga	
JKT	Katashina	
KBH	Kobugahara	
MGJ	Motegi	
OHJ	Ohira	
JSB	Shiboa	
UTS	Utsunomiya	
UTSU	Utsunomiya	
YMZ	Yamizo	
YMZU	Yamizo	
Tokachi		
JCH	Churui	
HOO	Hiroo	
HOOJ	Hiroo 2	
MYR	Moyori	
OBI	Obihiro	
URH	Urahoro	
Tokushima		
JAI	Aioi	
INMK	Ichinomiya	
ISIK	Ishii	
KMNK	Kaminaka	
KCY	Kuchiyama	
JMAF	Mimaanabuki	
TKS	Tokushima	
TKSJ	Tokushima 2	
TSS	Tsurugi yama	
WKJ	Wajiki	
Tokyo		
JAOM	Aogashimamukaizawa	
HHR	Hinohara	
HGJ	Hongo	
HNG	Hongo	
IIS	IISEE	
JMKN	Mikurajimanishikawa	
MTK	Mitaka	
JSKK	Shikinejimakita	
SIN	Shinagawa	
TOK	Tokyo	
JTHY	Toshimahigashiyama	
Tottori		
CZT	Chizu	
FOTD	Funaoka	
JKR	Kurayoshi	
KYTD	Kurayoshi	
SAA	Sakai	
SNTD	Shikano	
TTT	Tottori	
TOTJ	Tottori	
TOT	Tottori	
YON	Yonago	
YONJ	Yonago 2	
Toyama		
HKI	Fushiki	
KYJ	Kuroyon	
NRJ	Nirehara	
TOY	Toyama	
JTT	Ttatey	
Wakayama		
ARD	Arida	
HDK	Hidaka	
HNMJ	Hino-misaki	
KKW	Kainokawa	
KMT	Kinomoto	
KNJ	Kinomoto	KMT
KISE	Kishinomiya	
JWY	Kouya	
JWZ	Kozaga	
KMN	Kumano	
JWM	Minabe	
MTGE	Mitogawa	
OIS	Oishiyama	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
SKW	Shichikawa	
SHJ	Shiono misaki	
JTNC	Tanabenakahechi	
TDR	Todoroki	
WKU	Wakaura	
WKY	Wakayama	
WKME	Wakayama	
WKYJ	Wakayama 2	
JWKM	Wakayamakushimoto	
YGI	Yagi	
YAS	Yuasa	
Yamagata		
ATM	Atsumi	
JYA	Atsumi	
HRTT	Hiratsu	
JYK	Kaneyama	
JOU	Okura	
SAK	Sakata	
SKH	Sakata 2	
JYS	Shirataka	
JTB	Tobi-shima	
YAMJ	Yamagata	
YAM	Yamagata	
JYYZ	Yamagatayuza	
JYAR	Yonezawaarcadia	
Yamaguchi		
JHGM	Hagimishima	
JKD	Kudamatsu	
SHN1	Shimonoseki	
SHNJ	Shimonoseki 2	
SHN	Shimonoseki 3	
JTY	Toyota	
Yamanashi		
ENZ	Enzan	
FUJ	Fuji-kawa	
FUN	Funatsu	
HOKE	Hokigiyama	
ICY	Ichiyama	
KOF	Kofu	
KFU	Kofu	
KGN	Komagane	
JIZ	Nakaizu	
OKY	Okuyama	
OOM	Omiya	
JYN	Shimob	
SBJ	Shimobe	
JNT	Takato	
UMJE	Umejima	
Jordan		
AJLJ	Ajlon	
ARTJ	Al Aritein	
DRHJ	Al-Direh	
QRNJ	Al-Qirein	
SHBJ	Al Shahba	
HSUJ	Al Zarqa	
ANJJ	Anjarah	
AQBJ	Aqaba	
ASHJ	Ashqof	
BYRJ	Bayer	
BURJ	Burma	
QTBJ	Casr Tuba	CSTJ
CSTJ	Casr Tuba	
DHLJ	Dahal	
JDRJ	Daraweish	JRDJ
JRDJ	Daraweish	
LISJ	El Lisan	
MASJ	El Maslubiya	
RUMJ	Er Rumman	
GHAJ	Ghor Haditha	
GHZJ	Ghuzeima	
HLBJ	Hallabat	
HMRJ	Hamra	
HMTJ	Hamta	
HSHJ	Hashim	
HITJ	Hittiya	
ASF	Jabal al Asfar	
JARJ	Jarash	
RSHJ	J Risha	JRSJ
JRSJ	J Risha	
KFNJ	Kafrein	
KSHJ	Kshj	
HSNJ	Maan	
MKRJ	Makawir	
MRSJ	Marsad	
MDSJ	Mudaysisat	
MUDJ	Muduarah	
MDRJ	Muduarah	
JSOJ	Natural Resources Authority	
QTFJ	Qatafi	
QTRJ	Qatrana	
QUTJ	Qutrana	
NAQJ	Ras En-Naqb	
RUWJ	Ruweisid	
SHMJ	Saham	
SALJ	Salt	
SHWJ	Shawbak	
SULJ	Sultana	
SMAJ	Sumiya	
SWQJ	Swaqa	
UNJ	University of Jordan, Amman	
WMSJ	Wadi Mousa	
WALJ	Wala	
QRHJ		
GLFJ		
KARJ		
Kazakhstan		
ABKAR	Akbulak array	
AB08	Akbulak array site	
AB01	Akbulak array site	
AB09	Akbulak array site	
AB04	Akbulak array site	
AB07	Akbulak array site	
AB03	Akbulak array site	
AB31	Akbulak array site	
AB05	Akbulak array site	
AB02	Akbulak array site	
AB06	Akbulak array site	
AKB	Aktobe	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
AA1	Alma-Ata	AAA
AAA	Alma-Ata	
KNDC	Almaty	
ARXS	Arharly	
BTLS	Baital	
MNBS	Baschi	
BAYK	Bayan-Aul	
BRZS	Berezniki	
BMNS	Besmoynak	
BRLS	Borolday	
BRVK	Borovoye	
BVAR	Borovoye Array Beam Reference Point	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BUGS	Bugetsay	
CHL	Chilik	
TCH	Chimkent	CHM
CHM	Chimkent	
CHK4	Chkalova array site	
CHK5	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK9	Chkalova array site	
CHKZ	Chkalovo	
CHMS	Chumysh	
CHKK	Chushkaly	
DGS	Degeres	
FAB	Fabrichnaya	
ILI	Ili	
IUG	Iuzhnay	
IZV	Izvestkoviy	
JBG	Jabagly	
DJR	Jarkent	
KAPS	Kapalarasan	
KRBS	Karabastau	
KKAR	Karatay Array	
KK02	Karatay Array site	
KK31	Karatay Array site	
KK01	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK04	Karatay Array site	
KK03	Karatay Array site	
KK07	Karatay Array site	
KK05	Karatay Array site	
KK06	Karatay Array site	
KTBS	Karatobe	
KKL	Karkaralinsk	
KST	Kastek	
KTMS	Ketmen	
KPKS	Kokpek	
KOSH	Koshkarbay	
KOTS	Kotyrbulak	
KRS	Krasnogorka	

Code	Station Name	Other
KURS	Kuram	
KURK	Kurchatov	
KURBB	Kurchatov Array	
KUR01	Kurchatov Array Site 1	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR02	Kurchatov Array Site 2	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KRD	Kurday	
KRM	Kurmenty	
KUU	Kurty	
KGSKZ	Kyrgizsay	
KZAKZ	Kzylasker	
LNSK	Leninskoye	
MTBS	Maitube	
MAKZ	Makanchi	
MKAR	Makanchi Array Beam Reference Point	
MK02	Makanchi Array site	
MK09	Makanchi Array site	
MK08	Makanchi Array site	
MK32	Makanchi Array site	
MK06	Makanchi Array site	
MK04	Makanchi Array site	
MK03	Makanchi Array site	
MK07	Makanchi Array site	
MK31	Makanchi Array site	
MK05	Makanchi Array site	
MK01	Makanchi Array site	
MDOK	Medeo	
MRKS	Merke	
OTUK	Ortayu	
USP	Ospenovka	
PDGK	Podgornoye	
KZAG	Qyzylaghash	
SATY	Saty	
SEM	Semipalatinsk	
SHLS	Shalkode	
SGDS	Sogindy	
TDK	Taldyqorghan	
TLG	Talgar	
AAB	Talgar	TLG
AA2	Talgar	TLG
DZA	Taraz	
TNSS	Tian-Shan	
TKMK	Tokmak	
TKM2	Tokmak 2	
TUR	Turbat	
TGN	Turgen	
UZB	Uzynbulak	
VOSK	Vostochnaya	
VOS	Vostochnaya	VOSK
VOS5	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS7	Vostochnaya array site	
VOS4	Vostochnaya array site	
ZSN	Zaisan	
ZRNK	Zerenda	
ZRN9	Zerenda array site	
ZRN8	Zerenda array site	
ZRN4	Zerenda array site	
ZRN7	Zerenda array site	
ZRN6	Zerenda array site	
ZRN5	Zerenda array site	
ZHN	Zhinishke	
Kemerovskaya Oblast'		
VCHU	Verkh-Chumysh, Kuzbass, Russia	
Krasnodarskiy Kray		
LZRR	Lazarevskoye	
Kuwait		
NAY	Al-Naaiem	
QRN	Al-Qurain	
RDF	Al-Radifah	
FKI	Failaka Island	
KBD	Kabd	
MIB	Mutribah	
UMR	Umm Al-Rimmam	
RST	Umm Al-Ruwaisat	
Kyrgyzstan		
ASAI	AK-SAY(Kyrgyzstan)	
AAK	Ala-Archa	
AML	Almayashu	
ANVS	Anan'yevo	
ARLS	Aral	
ARK	Arkit	
ARSB	Arslanbob	
BTK	Batken	
BGK	Belogorka	
BGK2	Belogorka 2	
FRU	Bishkek	
FRU1	Bishkek	
BOOM	Boomskoye uschel'e	
CHVK	Chauvay	
ENEL	Enilchek, Kyrgyzstan	
EKS	Erkin-Say	
EKS2	Erkin-Say	
KDJ	Kajisay	
KBK	Karagaybulak	
DRK	Karamyk	
KRUK	Karasu	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
MNAS	Manas	
MRZ1	Merzbaher-Enilchek	
NRN	Naryn	
OTK	Orto-Tokoy	
OHH	Osh	
PRZ	Przheval'sk	
RYB	Rybach'ye	
SALK	Salom-Alik	
SFK	Sufi-Kurgan	
TARG	Taragay, Kyrgyzstan	
TRKS	Terek-Say	
TOKL	Toktogul	
UCH	Uchtor	
ULHL	Ulahol	
Lebanon		
BEYL	Beirut	
BHL	Bhannes	
SHBL	Chebaa	
DQRL	Deir Qamar	
DWR	Dweir	
FKH	Fakeheh	
HWQ	Hawqa	
KSA	Ksara	
MATL	Matarih	
NAQL	Naqoura	
QRWL	Qaraoun	
QSB	Qsaybeh	
RCY	Rachaya	
Malaysia		
Peninsular Malaysia		
DSRI	Dabo	
IPM	Ipoh	
FRIM	Kepong	
KGM	Kluang	
MYKOM	Kota Tinggi	
KLM	Kuala Lumpur	
KTGM	Kuala Trengganu	
KTMY	Kuala Trengganu	KTGM
KULM	Kulim	
Sabah		
KKM	Kota Kinabalu	
KDM	Kudat	
MYLDM	Lahad Datu	
SDKM	Sandakan	
TSM	Tawau	
Sarawak		
BTM	Bintulu	
KSM	Kuching	
SBUM	Sibu	
Maldives		
HMDM	Hanimaadhoo	
KAAM	Kaadhehdhoo	
Mongolia		
BYO	Bayan-Olgiy	
BLGM	Bulgan	
DZD	Dalandzadgad	
EBM	Esen Bulak	
HTG	Hatgal	
HBD	Hovd	
SONM	Songino Array Beam Reference Point	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONB2	Songino Ar. Site	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
TSC	Tosontsengel	
TTS	Tsetserleg	
ULN	Ulaanbaatar	
ULG	Ulaangom	
OBM	Ulan Bator	
UB2M		
SEMM		
UNTM		
MO5M		
UB8M		
UB6M		
UB0M		
MO8M		
UB5M		
ALFM		
IVGM		
UB4M		
UB7M		
UGDM		
MGDM		
UB9M		
MO7M		
DZBM		
ARTM		
UB1M		
UB3M		
Myanmar		
MND	Mandalay	
RAN	Rangoon	
SIMRM	Sittwe	
Negros		
CNOP	Candoni, Negros Occidental, Philippines	
Nepal		
BADN	Badegauja	
BAYN	Bayana	
BIRA	Biratnagar	
BUNG	Bungee Jump	
CHA	Chatra	
DMN	Daman	
DANN	Dangsing	
EVN	Everest	
GBAN	Gaibana	
GAIG	Gaighat	
GJRN	Ganjari	
GNKN	Gaynekanda	
GHAN	Ghanteswor	
GKN	Gorkha	
GUN	Gumba	
HARN	Harre	
HILE	Hile	
ILAN	Ilam	
JANA	Janakpur	
JIRN	Jiri	
JIRI	Jiri	
KKN	Kakani	
KOLN	Koldanda	
LGAT	Lohaghat	
MEGN	Megha	
NAMC	Namche Bazar	
ODAN	Odare	
PHAP	Phaplu	
PHID	Phidim	
PKIN	Phulchoki	
PYUN	Piuthan	
PKI	Pulchoki	
PUSN	Pusma	
RAMN	Ramite	
RUMN	Rumjataar	
SINN	Sindhuli	
SUKT	Sukute	
TAPN	Taplejung	
THAK	Thakurichhap	
TUML	Tumlingtar	
Oman		
ARQ	Araqi	
ASHO	Ashiyiah	
ABTO	Aybut	
BANOM	Banah	
BIDO	Bidbid	
BSYO	Bisya	
BSY	Bisya	
DMTO	DMTO	
DQM	DQM	
HOQ	Hoqain	
JMDO	Jabal Madar	
JLN	Jalan Bani Buhassan	
KTMO	Khatum	
MDH	Madha	
MHTO	MHTO	
QHRO	Qairoon Hariti	
RBK	Rabkut	
SMDO	Samad	
SHAO	Shalim	
SOHO	SOHO	
WBK	Wadi Bani Khalid	
WHFO	Wadi Hawf	
WSAR	Wadi Sarin	
Orissa		
BADS	Badasada Odisha,India	
KULE	Kulei Odisha,India	
PADA	Padmapur Odisha,India	
PATN	Patnagarh Odisha,India	
RAJA	Rajamunda Odisha,India	
RANK	Rankasinga Odisha,India	
Pakistan		
AMP	Ambar	
AMB1	Ambar	
CAM2	Attock	
BGP	Bagra	
BLKT	Balakot	
BASHA	Basha	
BSM1	Besham	
CBP	Campbellpur	
CKP	Chanarkot	
CPA	Chapri	
CHER	Cherat	
CEP	Cherat	
CHCP	Chirah Chowk	
CHT1	Chitral	
CHTL	Chitral	
DAR1	Darband	
DBP	Darband	
DRL	Darel	
KMD1	Dasu	
DRP	Derazinda	
DHO	Dhodishal	
DAM1	Diamer-Basha	
GLGT	Gilgit	
HNL1	Hanuchal	
HAR1	Harban	
ISBA	Islamabad	
DDJ	Jaglot	
KCHI	Karachi	
KAR	Karachi	
KHS1	Khanabri	
KHB1	Khanabri-I	
KHI1	Khiner	
KHUZ	Khuzdar	
KIA	Kiara Terrace	
LAH	Lahore	
MNL	Mangla	
NAT1	Nathian	
NTP	Nathian	
NIL	Nilore	
PAK0	Pari Array Site 0	
PPS1	Pattan	
PSH	Peshawar	
PES	Peshawar	
QIB	Qibla Bandi	
QUET	Quetta	
QUE	Quetta	
QTA	Quetta	
RBH	Right Bank House--Pihur	
SAD	Saidpur	
SARP	Sargodha	
SHN2	Shangus	
SBDP	Sheikh Budin	
SHI1	Shinkiari	
SIP	Shinkiari	
SHO1	Shori	
SKR1	Skardu	
SWR	Swabi-Maira	
SWM1	Swabi Mera	
TRB	Tarbela	
TAR2	Tarbela	
TBLA	Tarbella	
THW	Thamme Wali	
THO1	Thor	
TURB	Turbat	
UMKT	Umerkot	
KMN1	Usha	
UTL	Utla	
WRS	Warsak Dam	
ZHOB	Zhob	
Palestine Territories		
UJAP	Al Uja	
SALP	Salfit	
Philippines		
Batan Islands		
BAP*	Basco	
BBP	Basco	
Cebu		
CCP	Cebu City	
LLP	Lapu-Lapu	
MAP	Mactan	
TBP	Tagbilaran	
Leyte		
MSLP	Maasin	
OCLP	Ormoc	
PLP	Palo	
Luzon		
AMB	Ambulong	
ARP	Angono	
BAF*	Baguio	
BAG	Baguio City	
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BWP	Baguio Weather Station	
BALP	Baler	
BNP	Banawang	
BTP	Batelco	
NZB	Bigte	
BOAC	Boac	
BOLP	Bolinao	
VBU	Buco	
VBN	Bulusan	
CVP	Callao Caves	
CAUP	Cauayan	
APYP	Conner	
ABRA	Dolores	
INF	Infanta	
LGP	Legaspi	
LEG	Legaspi	
VLH	Lignon Hill	
LYP	Liyang	
LBPH	Los Banos	
LQP	Lukban	
MAN	Manila	
MMPH	Masbate	
MATI	Mati	
VMR	Mayon Resthouse	
VMS	Misericordia	
MNP	Morong	
NBP	Mount Natib	
MSP	Mount Santo Tomas	
SGCP	Mt. Cagua	
OTPR	Odiongan	
PALP	Palanan	
PCPH	Palayan	
PEP	Pantabangan	
PIP	Pasuquin	
PINP	Pinatubo--East Slope	
VPP	Pira-Piraso	
POLP	Polilio Island	
PAZ	Puerto Azul	
QAD	Quadrado	
QCP	Quezon City	
QVPH	Quezon City--PHIVOLCS	
QVP	Quezon City--PHIVOLCS	
AUQP	San Andres	
SBPH	San Jose del Monte	
SMPP	San Manuel, Pangasinan, Philippines	
SZP	Santa	
SCZP	Santa Cruz	
SBP	Subic Bay	
CALP	Taal Volcano	
TGY	Tagaytay City	
TQP	Tayabas	TAY
TAY	Tayabas	
TLP	Tuguegarao	
UMS	Upper Santa Misericordia	
PVCP	Virac	
LUK		
Mindanao		
SKMP	Bagumbayan, Sultan Kudarat, Philippines	
BIP	Bislig	
BIPH	Bislig	
BTN	Butuan	
BUTP	Butuan	
CGP	Cagayan de Oro	
OMP	Cagayan Oro	CGP
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
DAP	Davao	
DMPH	Davao City--Mintal	
DAV	Davao City (W)	
DWP	Davao Weather Station	
DIP	Dipolog	
DCPH	Dipolog City	
DDMP	Don Marcelino, Davao Occidental, Philippines	
GTP	General Santos	
GSPH	General Santos City	
VHH	Hibok Hibok	
IPIL	Ipil	
KCP	Kidapawan	
MAM	Mambajao	
MPP	Mount Pasian	
BUKP	Musuan	
PAGZ	Pagadian	
PPH	Pasian Peak	
SGSI	Sangihe	
SNPH	Sibulan	
SCPH	Surigao	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
Mindoro		
ABP	Abra de Ilog	
LUBP	Lubang	
PGP	Puerto Galera	
SJMP	San Jose	
Negros		
VCB	Cabagna-an	
VCN	Canlaon	
Palawan		
BATP	Bataraza	
BUSP	Coron	
CUYO	Cuyo Island	
ENPP	El Nido	
PPR	Puerto Princesa	
Panay		
AAP	Anini-y	
ILO	Iloilo	
GUIM	Jordan	
KALP	Kalibo	
OTRP	Odiongan	
PDP	Pandan	
PAP	Pandan	

Code	Station Name	Other
RCP	Roxas	
SIPH	Barangay Tapao	
SIPP	Brgy, Tapao	
GQP	Guinayangan	
JAP	San Jose, Antique	
SHMP	Susana Heights	
ZCP	Zamboanga City	
Samar		
BESP	Borongan	
CNP	Catarman	
Republic of Korea		
KSADO	Andong	
KSAND	Andong	
KSANM	Anmyeondo	
KSBAR	Backryungdo	
KSBRD	Baengnyeongdo	
KSBON	Boeun	
KSCHY	BONGHWA	
PORA	Boryeong	
KSPOR	Boryeong	
BOSB	Boseong-gun	
KSPUA	Buan	
KSBUS	Busan	
KSBSA	Busan_acc	
KSBUY	BUYEO	
KSCHR	CHANGNYEONG	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
OKCB	Cheongsan-myeong	
KSCHS	CHEONGSONG	
KSCWO	Cheorwon	
KSCHW	Cheorwon	
KSCIG	Chilgok	
KSCHC	Chuncheon	
KSCHJ	Chungju	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
DACB	Daecheong-do Republic of korea	
KSDAG	Daegu	
KSDGY	Daegwallycong	
KSTEJ	Daejeon	
KSDAU	Deagu-acc	
KSDEI	Deokjeokdo	
KSDDC	Dongducheon	
KSTOH	DONGHAE	
EMSB	Eumseong	
KSGAH	Ganghwa	
KSKAN	Gangneung	
KSGSG	Gangseo	
KSKUC	Geochang	
KSKCH	Geochang	
KSMSA	Geumsan	
KSGIC	Gimchen	
GOCB	Gochang-gun	
KSKOH	Goheung	
KSKOJ	Gongju	
KOJ2	Gongju-si	
KSGOS	Gosan	
GOS1	Gosan-ri	
KSGUM	GUMI	
KSKUS	Gunsan	
KSGUS	GUNSAN	
KSKWJ	Gwangju	
KSGWJ	Gwangju-acc	
GWYB	Gwangyang	
KSGBI	Gyogryolbido	
KSHAD	HADONG	
KSHAN	Haenam	
HALB	Hallimjungang-ro	
HAMB	Hamyang	
KSHAC	HAPCHEON	
KSHUK	Heuksando	
HUK2	Heuksan-myeon	
HWCB	Hwacheon	
HAWB	Hwaseong-si	
KSICN	Icheon	
KSIMS	Imsil	
IMWB	Imwonan-gil	
KSINC	Incheon	
INC	Inchon	
INCN	Inchon	
KSIJA	INJE	
KSJAH	Jangheung	
KUJA	Jangpyeong	
KSJAS	Jangsu	
KSJEC	Jecheon	
KSJJU	Jeju	
KSJEU	Jeongeup	
KSJES	JEONGSEON	
KSCHO	Jeonju	
KSJEO	Jeonju	
KSJDO	Jindo	
KSCHI	Jinju	
KSJIN	Jinju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSKMS	Keumsan	
KOHB	KOHEUNG	
KSRS	Korea Array	
KSMAS	Masan	
KSMIY	MIRYANG	
MIYA	Miryang-si	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMAN	Muan gun	
SMKB	Mukjeong-gil	
KSMGY	Mungyeong	
KSMUG	Mungyeong	
KSMUS	Musan	
KSNAJ	Naju	
KSNAH	Namhae	
NAWB	Namwon	
KSNAW	Namwon	
KSNOW	Nowan	
OKEB	Okgye-meyeon	
KSPOH	Pohang	
PHN	Pohang	
KSPHA	Pohang	
PUS	Pusan	
KSPYC	Pyeongchang	
KSGWL	Sabuk	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSGP	Seogwipo	
SEHB	SEOHWA	
KSSSP	Seongsanpo	
KSSES	Seosan	
SEO	Seoul	
KSSEO	Seoul	
SHHB	Siheung-si	
KSSOC	Sokcho	
KSSKC	Sokcho	
KSSOD	Songwoldong	
SUCA	Sunchang	
KSSCH	SUNCHEON	
KSSWO	Suwon	
SYU	Syuhurei	
KSTBA	Taebaek	
TAE	Taegu	
TJN	Taejon	
KSTOY	TONGYEONG	
EURB	Uiryeong-eup	
KSULJ	Uljin	
UJN	ULJIN	
KSULL	Ulleungdo	
ULLB	Ulleungdo bore hole	
UL1	ULLUNGDO	
KSULS	Ulsan	
KSUSN	Ulsan	
KSEUS	ULSEONG	
KSWAN	Wando	
KSWON	Wonju	
KSWJU	Wonju	
KSAR	Wonju Array Beam Reference Point	
KS01	Wonju Array Site 1	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS15	Wonju Array Sites 15 and 31	
YAPA	Yangpyeong	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
YNCB	YEONCHEON	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOW	Yeongwol	
KSYOS	Yeosu	
KSYSU	YEOSU	
YJD	YOUNGJONGDO	
Russia		
Altayskiy Kray		
AKAR	Aktash	
ARDR	Aradan	
ARTR	Artybash	
CUR	Chagan-Uzun	
CHBI	Chibit, Altay Republic, Russia	
ELDR	Elanda	
ELT	Eltsovka	
ELT0	Eltsovka	
GALT	Gorno-Altaysk, Altai Republic, Russia	
DGZ	Jazzator, Altay Republic, Russia	
KTNR	Kaitanak	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
TUNR	Tungur	
ULGR	Ulagan, Altay Republic, Russia	
UKR	Ust'-Kan	
YALR	Yailyu, Altay Republic, Russia	
ZAL	Zalesovo	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZALV	Zalesovo Beam	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
Amurskaya Oblast'		
BMKR	Bomnak	
BMKS	Bomnak	
IMNS	Imangra	
KHNS	Khani	
KHY	Khatystyr	
KROS	Kirovskiy	
RMNS	Romny	
TOK1	Tok Station 1	
TOK2	Tok Station 2	
TOK3	Tok Station 3	
TOK4	Tok Station 4	
TUG	Tungurcha	
USZ	Ust'-Nyukzha	
UURS	Ust' Urkima	
YASR	Yasnyy	
YASS	Yasnyy	
ZEA	Zeya	
Arkangel'skaya Oblast'		
LSH	Leshukonskoye	
PRGR	Permogore	
Arkhangel'skaya Oblast'		
AMDE	Amderma	
AMD	Amderma	
ARHR	Arkhangelsk	
KHE	Kheis	
KLMR	Klimovskoe	
SLVR	Solovky	
TMCR	Tamitsa	
ZFI	Zemlya Franca-locifa	
ZFI2	Zemlya Franca-locifa2	
Bashkortostan		
UFA	Ufa	
Buryatiya		
ALL	Alla	
ALLA	Alla	ALL
BTMB	Babushkin	
BGZ	Barguzin	
BDN	Bodon	
BRHS	Bolshoi Rechka	
FFNB	Fofonovo	
KAB	Kabansk	
KPC	Khapcheranga	
HRMR	Khuramsha	
KELR	Kotokel	
KVO	Kovokta	
KUM*	Kumora	KMO
KMO	Kumora	
KYA	Kyakhta	
MXMB	Maximikha	
MOY	Mondy	
NLY	Nelyaty	
NIZ	Nizh Angarsk	
ORA	Oran	
ORL	Orlik	
OZE	Ozernaya	
SVBS	Severo-Baykalsk	
SVKR	Severomuysk	
SVK	Severo-Muysk	
STDB	Stepnoy Dvorets	
SYVR	Suvo	
TNL	Tonnelnyy	
ZIP	Tsipikan	
TNKS	Turikan	
TRTB	Turuntaevo	
TRTS	Turuntaevo, Baikal	
UKT	Uakit	
UUDB	Ulan-Yde	
YLYR	Ulyunkhan	
YOA	Uoyan	
ZAK	Zakamensk	
ZRHB	Zarechye	
ZRH	Zaryechye, Baikal	
Chechnya		
GRO	Groznyy	
DVE	Vedeno	
Chitinskaya Oblast'		
CIT	Chita	
NLYR	Nelyaty	
SRK	Sredniy Kalar	
TUP	Tupik	
Dagestan		
AKT	Akhty	
ARKR	Arakani	
BTLR	Botlikh	
BUJR	Buynaksk	
DRN	Derbent	
DBC	Dubki	
DLMR	Dylym	
GNBR	Gunib	
KRNR	Karanay	
KSMR	Kasumkent	
XNZR	Khunzakh	
KMKR	Kumukh	
MAK	Makhachkala	
MNSR	Manas	
SGKR	Sergokala	
UKTR	Uchkent	
UNCR	Uncukul	
URKR	Urkarakh	
Irkutskaya Oblast'		
ARS	Arshan	
BAY	Bayanday	
BOD	Bodaibo	
BGT	Bolshoye Goloustnoye	
CRS	Chara	
IRK	Irkutsk	
IVK	Ivanovka	
LSTR	Listvyanka	
OGRR	Ongureny	
SOL	Solontsovaya	
TLY	Talaya	
TANS	Tal'yany, Baikal	
TRG	Tyrgan	
Kaliningradskaya Oblast'		
KLNR	Kaliningrad	
KNG	Konigsberg	
Kaluzhskaya Oblast'		
OBN	Obninsk	
Kamchatskaya Oblast'		
ALID	Alaid	
APC	Apacha	
APN	Apakhonchich	
KRX	Arik	
ASHS	Asacha	
ASAK	Asacha	
AVH	Avacha	
BDR	Baidarnaya	
BERS	Berezovaya	
BKI	Bering	
BZMS	Bezymyanka	
BZMR	Bezymyannaya	
BZGR	Bezymyannyi-Griva	
BZWR	Bezymyannyi-West	
BLCS	Bulochka	
DALK	Dalny	
ES2	Esso	
ESO	Esso	
GNL	Ganaly	
GRL	Gorelyy	
HAIS	HAIS	
INSR	Institute	
KAMP	Kamchatka Peninsula	
ST02S	Kamchatka temporary site	
ST03S	Kamchatka temporary site	
ST01S	Kamchatka temporary site	
KMNR	Kamenistaya	
KMSK	Kamenskaya	
KAMR	Kamenskoye	
KRMR	Karymshinskiy	
KII	Karymskiy	
KDTR	Khodutka, Kamchatskaya Oblast',Russia	
KIRR	Kirishev	
KZV	Kizimen	
KLY	Klyuchi	
KPT	Kopyto	
KOK	Koryaka	
KRER	Koryakskii	
KZL	Kozel'skiy	
KOZR	Kozyr	
KOZ*	Kozyr	KOZR
KOZ	Kozyrevsk	
KRSR	Krestovskiy	
KRN	Kronoki	
KBG	Krutoberegovo	
KBTR	Krutoberegovo 1	
LGNR	Loginova	
MIPR	Malaya Ipel'ka	
MKV	Markovo, Chukotka	
MAYS	Mayak na Mysu Ozernom	
MEDS	Mednyi	
MLKS	Milkovo	
MTVR	Mutnovka	
MTNS	Mutnovskaya	
MKZ	Mys Kozlova	
KRCS	Mys Kronotskii	
SPN	Mys Shipunski	
NCHK	Nachiki	
NALY	Nalychevo	
NLC	Nalytchevo	
OSSR	Ossora	
OZRR	Ozero (Kronotsky)	
PCHS	Pakhachi	
PALN	Palana	
PALS	Palana	
PAU	Pauzhetka	
PET	Petropavlovsk	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
PDK	Podkova	
RUS	Russkaya	
SDLR	Sedlovina	
SMKR	Semkarok	
SEL	Semlyachik	
SVLR	Shiveluch	
KPLS	Shiveluch-Kupola	
SBRT	Shubertovo	
SMAR	Somma	
SRKR	Sorokina	
SRDR	Sredinnyy	
TIGL	Tigil	
TILR	Tilichiki	
TIL	Tilichiki	
TILK	Tilichiki	
TLBS	Tolbacick	
TOP	Topolovo	
CIRR	Tsirk	
TUMR	Tumrok	
TUMD	Tumrok D	
UGLR	Uglovaya	
VEK	Verkhne-Kamchatsk	
VDP	Vodopadnii	
ZLN	Zelenaya	
Karel'skaya		
LVZ	Lovozero	
VALR	Valaam	
Kemerovskaya Oblast'		
ASR1	Anjero-Sudjensk, Russia	
BJR1	Bachatsky 1, Kuzbass, Russia	
BJR2	Bachatsky-2, Kuzbass, Russia	
BJR3	Bachatsky-3 (Starobachaty), Kuzbass, Russia	
BJR4	Bachatsky-4, Kuzbass, Russia	
BALAH	Balakhonka, Kuzbass, Russia	
BRCR	Berchikul'	
KEM	Kemerovo	
KIYZ	Kiyzas, Kuzbass, Russia	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
POMOR	Pomortsevo, Kuzbass, Russia	
TASR	Tashtagol	
VEH	Verkhnyaya Baza	
Khabarovskiy Kray		
EKMR	Ekimchan	
GRNR	Gornyy	
KHBR	Khabarovsk	
HABR	Khabarovsk	
LZR	Lazarev	
MNVS	Mnogovershinnie	
NKL	Nikolayevsk	
OKHR	Okhotsk	
OHTR	Okhotsk	
OKHT	Okhotsk	
URG	Urgal	
Khakassia		
CERR	Cheremushki	
DJO	Djoy, Khakassia, Russia	
DJOS	Djoyskaya Sosnovka, Khakassia, Russia	
Khanty-Mansi Autonomous Okrug		
BYAR	Belyy Yar	
HMA	Khanty-Mansiysk	
SKZ	Skazka	
Kirovskaya Oblast'		
KIRV	Kirov	
Komi		
NUUK	Nuuk	
SYKR	Syktyvkar	
Krasnodarskiy Kray		
ANN	Anapa	
GYMZ	Gyumri	
KPR	KrasnayaPolyana	
RPOR	Krasnaya Polyana	
KGUR	Krasnodar	
LABN	Labinsk	
SOC	Sochi	
VOZR	Vozrozhdenie	
ERBR	Yeremizino-Borisovskaya	
Krasnoyarskiy Kray		
ABNR	Abakan	
BLRR	Bol'shaya Rechka	

Code	Station Name	Other
DVG	Divnogorsk	
HVS	Khovu-Aksy	
KDN	Kodinsk	
KRAR	Krasnoyarsk	
KTRR	Kuturchin	
KZLR	Kyzyl	
MINR	Mina	
NRIK	Noril'sk	
NRIS	Noril'sk	
NRI	Noril'sk	
NRIL	Noril'sk	
ORHR	Oreshnoe	
ORY	Orie	
SHRR	Shira	
TBTR	Tabat	
TBRR	Tiberkul'	
ZLNR	Zelenogorsk	
GZLN	Zheleznogorsk	
SHTK	Zheleznogorsk-3, Russia	
GZL	Zheleznogorsk city	
Leningradskaya Oblast'		
PUL	Pulkovo	
NE51	Saint Petersburg	
LNN	Saint Petersburg	
VYB	Vyborg	
Magadanskaya Oblast'		
ANDR	Anadyr'	
ANDR2	Anadyr, Chukotka	
ANSS	Anadyr, Chukotka	
BILL	Bilibino	
BILI	Bilibino, Chukotka	
CES	Cherskiy	
DBI	Debin	
EGV	Egvekinot, Chukotka	
EVEN	Evensk	
EVES	Evensk	
EVNR	Evensk	
ILT	Iul'tin	
KLEP	Klepka	
GOLD	Kubaka	
KULR	Kulu	
MA2	Magadan	
MAG	Magadan	
MGD	Magadan 1	
TEC1	Magadan Thermoelectric Plant	
MKI	Maiskii, Chutkotka	
MYAS	Myakit	
NKB	Nel'koba	
NMA2	New Magadan Station 2	
OBOS	Obo	
OLAR	Ola	
OCHR	Omchak	
OMOL	Omolon, Chukotka	
OMS	Omsukchan	
ORBT	Orbita	
ORTS	Orotukan	
PROV	Provideniya	
SEY	Seymchan	
SS40	Seymchan - Ulakhan Temp Deploy	
SS41	Seymchan - Ulakhan Temp Deploy	
SS42	Seymchan - Ulakhan Temp Deploy	
SNGR	Sinegor'e	
SNGS	Sinegor'e	
SNE	Sinegor'e	
SUUS	Susuman	
GRESR	Susuman	
SS01	Susuman-Seymchan profile, station 01	
SS02	Susuman-Seymchan profile, station 02	
SS03	Susuman-Seymchan profile, station 03	
SS04	Susuman-Seymchan profile, station 04	
SS05	Susuman-Seymchan profile, station 05	
SS06	Susuman-Seymchan profile, station 06	
SS07	Susuman-Seymchan profile, station 07	
SS08	Susuman-Seymchan profile, station 08	
SS09	Susuman-Seymchan profile, station 09	
SS10	Susuman-Seymchan profile, station 10	
TTY	Takhtoyamsk	
TLAR	Talaya	
TONS	Talon	
TURS	Tal-Yuryakh	
SS62	Tal-Yuryakh Coal Mine	
TAUS	Tauisk	
ST18S	Temporary aftershock station near Magadan	
ST20S	Temporary station #20	
ST21S	Temporary station #21	
ST22S	Temporary station #22	
ST23S	Temporary station #23	
USO	Ust'-Omchug	
YAGS	Yagodnoe	
Moskovskaya Oblast'		
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
KUC	Kucino	
MHV	Michnevo	
MOS	Moscow	
Murmanskaya Oblast'		
APZ9	Apatity	
APA	Apatity	
APAES	Apatity Array Beam Reference Point	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
Nizhegorodskaya Oblast'		
PECR	Pechory	
Novosibirskaya Oblast'		
ALXA	Alekseevka, NSO, Russia	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
KHAR	Kharino, NSO, Russia	
NVS	Novosibirsk	
NVSII	Novosibirsk	
NHES	Novosibirsk, NHES, Russia	
Orenburgskaya Oblast'		
LBGK	Lebyazhka	
ORR	Orenburg	
OR2	Orenburg-2	
OR3	Orenburg-3	
TRCK	Troitsky	
Permskiy Kray		
PR2R	Dobryanka	
PR6R	Ekimyata	
KIZR	Kizel	
PR3R	Kungur	
PR5R	Perm'	
PR1R	Pomanovo	
PR7R	Sarany	
SOKR	Solikamsk	
PR0R	Verkhnechusovskiye Gorodki	
PR4R	Vlasy	
Primorskiy Kray		
GRTS	Gornotaezhnoe	
GRTR	Gornotajezhnoje	
GRVS	Gornovodnoe	
MSHR	Mys Shultsa	
TEY	Ternei	
USA0B	Ussuriysk Array Site A0B	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
USK	Ussuryisk	
VLA	Vladivostok	
ZMN	Zimniki	
Pskovskaya Oblast'		
NE52	Pskov	
AGYR	Agha	
ARXR	Arkhyz	
BEYR	Belyy Ugol+	
GL1R	Gelendzhik	
GROC	Groznyy	
GUZR	Guzeripl'	
NCK	Nalchik	
NEY	Neytrino	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PYA1	Pyatigorsk	
TPSR	Tuapse	
USRK	Ussuriysk Ar. Beam Pt.	
USA0	Ussuriysk Array Site A0	
USA1	Ussuriysk Array Site A1	
USA2	Ussuriysk Array Site A2	
USA3	Ussuriysk Array Site A3	
USB1	Ussuriysk Array Site B1	
USB2	Ussuriysk Array Site B2	
USB3	Ussuriysk Array Site B3	
USB4	Ussuriysk Array Site B4	
USB5	Ussuriysk Array Site B5	
Sakha		
ALDR	Aldan	
ACHS	Amedichi	
ATKR	Artyk	
AYK2	Artyk	
BTGS	Batagay	
YBGR	Belaya Gora	
BLSR	Buluus	
CGD	Chagda	
YCRN	Chernyshevskiy	
CKH	Chokchoi	
CLNS	Chul'man	
CL1S	Chul'man	
DEPR	Deputatskiy	
DUYS	Dunai	
IENR	Iengra	
KBKS	Kabaktan	
UL2S	Kamenistyi	
KNGL	Kangalassy	
KHG	Khandyga	
KHNR	Khani	
KHN	Khani	
AY1S	Kobdi	
KYU	Kyusyur	
MOMR	Moma	
NGRS	Nagornyi	
NAYS	Naiba	
NRGR	Nerungri	
NYG	Neryungri	
NZD	Nezhdaninsk	
NBS	Nizhniy Bestyah	
OLMR	Olekminsk	
AY2S	Ozernaya	
PDY	Peleduy	
PDYAR	Peleduy Array Beam Reference Point	
PDY01	Peleduy Array Site 01	
PDY02	Peleduy Array Site 02	
PDY03	Peleduy Array Site 03	
PDY04	Peleduy Array Site 04	
PDY05	Peleduy Array Site 05	
PDY06	Peleduy Array Site 06	
PDY07	Peleduy Array Site 07	
PDY08	Peleduy Array Site 08	
PDY09	Peleduy Array Site 09	
PDY31	Peleduy Array Site 31	
SAYS	Saidy	
SSYS	Sasyr	
SOTR	Stolb	
SYL	Syllakh	
TBGR	Tabaga	
TBK	Tabalakh	
TML	Taimylyr	
TLIS	Tenkeli	
TIXI	Tiksi	
TIK	Tiksi	
AY3S	Tungusskii	
TNDR	Tynda	
UL1S	Tyubelyakh	
USMR	Ust'-Maya	
UNR	Ust'-Nera	
UNR1	Ust'Nera (new)	
YVAM	Verhnyaya Amga	
VTM	Vitim	
VTMR	Vitim	
YAK	Yakutsk	
YRG	Yaruga	
YUB	Yubileniya	
YKLR	Yuktali	
ZYR	Zyryanka	
Sakhalinskaya Oblast'		
BLSS	Belie Skali	
BSK4	Belie Skalie	
CHST	Chistovodnoe	
ESU	Esutoru	
FRSO	Firsovo	
GLVR	Golovnino	
GOY	Gornyy	
KLN4	Kalinino	
KHLM	Kholmsk	
KOS	Kosmodemyansk	
KUR	Kuril'sk	
LAGR	Lagunnoye	
LSN4	Lesnoe	
LES	Lesozavodsk	
MLK4	Malkovo	
MLK*	Malo-Kuril'sk	
MAU	Matua	
KRS4	Mayak Korsakovskie (Korsakov)	
MNDR	Mendeleevo	
NEVR	Nevel'sk	
NGLS	Nogliki	
NGLR	Nogliki	
NVV	Nyvrovo	
OKH	Okha	
OOT	Ootomari	
OSMR	Ostromysovka	
OTI	Otiai	
OZHR	Ozhidaevo	
OJD4	Ozhidaevo	
PETS	Petropavlovskoye	
REI	Reidovoe	
SKR	Severo-Kuril'sk	
SKT*	Shikotan	SHO
SHO	Shikotan	
SKK	Sikka	
SIU	Simushir	
GRPR	Tuman	
TYV	Tymovskoe	
UGL	Uglegorsk	
ZLDR	Utesnoe	
UTSR	Utesnoe	
YUK	Yuzh-Kuril'sk	
YSS	Yuzh-Sakhalinsk	
ZGR4	Zagorskoe	
Saratovskaya Oblast'		
BELG	Belogornoye	
SARR	Saratov	
Severo-Osetinskaya		
ARNR	Ardon	
BTKR	Batakoyurt	
DIGR	Digorskoe uzhel'e	
KMGR	Komgaron	
KMSR	Komsomolskaya	
KORR	Kora	
LACR	Lac	
LSNR	Lesken	
PRTR	Priterechnaya	
STDR	Stavd-Durt	
SNJR	Sundja	
TRKR	Terskaya	
ZEI	Tsey	
VLKR	Vladikavkaz	
Stavropol'skiy Kray		
DOMR	Dombai	
GOF	Gofitskoye	
GUMR	Gum-Bashi	
KBZ	Khabaz	
KIV	Kislovodsk	
KVAR	Kislovodsk Array Beam Reference Point	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KUBR	Kubataba	
KBTC	Kuba-Taba	
NAGR	Nagutskaya	
NVNR	Nevinnomyssk	
PYA	Pyatigorsk	
SHAR	Shatzhatmas	
SHA1	Shidzhatmaz	
STRR	Strizhament	
Sverdlovskaya Oblast'		
ARU	Arti	
KAUR	Kamensk Uralskiy	
SVUR	Severouralsk	
SVE	Sverdlovsk	
The Chukotsky Autonomous Okrug		
LAVR	Lavrentia	
NSH2	Neshkan	
NSH	Neshkan, Chukotka	
PRVR	Provideniya	
YLNS	Uelen temporary site, Chukotka	
Tyva		
ERNS	Erzin	
KNGR	Kungurtug, Tuva Republic, Russia	
SHUI	Shui	
TEL	Teeli	
TDJR	Todzha	
UER	Ust'-Elegest	
Voronezhskaya Oblast'		
VORD	Divnogorie	
LPSR	Galich'ya Gora	
VRHR	Novokhopersk	
VRH	Novokhopyorsk	
VSR	Storozhevoye	
VRSR	Storozhevoye	
VORR	Voronezh	
VOR	Voronezh	
Yevreyskaya Avtonomnaya Oblast'		
KNGS	Khingansk	
KLR	Kul'dur	
Saudi Arabia		
ABHA	Abha	
ABAR	Abu 'Arish	
BAHS2	Abu Rakh	
DRBS	Ad Darb	
AFIF	Afif	
AFFS	'Afif	
HIL01	Al Amaaer	
BDAS	Al Bad'	
BADA	Al Bad'	
DWDS	Al Duwadimi	
AKWA	Algayed	
HANO	Al Hamad	
HWYS	Al Hawiyah	
HIL02	Al Hulayfah	
NRYS	Al Jubail	
KAMS	Al Khamasin	
LITH	Al Lith	
LTHS	Al Lith	
MJMS	Al Majmaah	
MJMA	Al Majma'ah	
MWLHS	Almuwaylih	
QLABS	Al Qalibar	
TRAS	Al Qrash	
QNF02	Al Qunfudhah	
QNFDS	Al Qunfudhah	
QNF01	Al Qunfudhah	
QREAT	Al Qurrayyat	
SHRA	Al Sharaya	
SODA	Al Sooda	
AYN	Al'Uyaynah	
WAJH	Al Wajh	
EWJHS	Al Wajh	
AMGES	AMGES	
NAMS	An Nimas	
NARAR	Arar	
SARAR	Arar	
ARSS	Ar Rass	
NSAFS	Ar Rayis	
RAYN	Ar Rayn	
HIL03	Ash Shuqayq	
TAIF	At Ta'if	
AYUS	'Aynunah	
BARA	Bahrah	
BHRA	Bahrah	
BAHS	BAHS	
BLJS	Baljurashi	
BESHS	BESHS	
BIDS	Bi'r al Bayda'	
BMSH	Bir Mashi	
BISH	Bishah	
DESA	DESA	
DHR	Dhahran	
DHJN	Dharan Janob	
NDEBA	Dheba	
DBAS	Duba	
ENMS	ENMS	
FRAS	Faraa	
FRSS	Farasan al Kabir	
GHASH	GHASH	
HKNS	Hadbat Hakran	
HBTS	Hafar Al Batin	
HILS	Ha'il	
HAJR	Hajar	
HAQS	Haql	
HQL	Haql	
NHRD	Haradh	
ALWS	Ilw as Safayhah	
JMOS	Jabal al Moallq	
FRJS	Jabal Farasan	
LBNS	Jabal Laban	
JMQS	Jabal Moqyreh	
JAZS2	Jazan	
JEDS	Jeddah	
JAZS	Jizan	
JIZN	Jizan	
JOFS	JOFS	
KMSA	Khamasin	
KMTU	Khamis Mushayt	KMTA
KMTA	Khamis Mushayt	
KBR03	Khaybar	
KBRS	Khaybar	
KBR09	Khaybar	
KBR01	Khaybar	
KBR08	Khaybar	
KBR04	Khaybar	
KBR10	Khaybar	
KBR07	Khaybar	
KBR02	Khaybar	
KBR05	Khaybar	
KHLS2	Khulais	
KHLS	Khulais	
KNGHS	KNGHS	
KRABS	KRABS	
LNY01	LNY01	
LNY02	LNY02	
LNY03	LNY03	
LNY04	LNY04	
LNY05	LNY05	
LNY06	LNY06	
LNY07	LNY07	
LNY08	LNY08	
LNY09	LNY09	
LNY10	LNY10	
LNY11	LNY11	
LNY12	LNY12	
LNY13	LNY13	
LNY14	LNY14	
LNY15	LNY15	
LNY16	LNY16	
LNY17	LNY17	
LNYS	LNYS	
MADS	Madsous	
MKHL	Mahalah	
MKNA	Makna	
MYKS	Mirrayikh	
MZLS	Mizel	
MQLS	MQLS	
MOHS	Muhayil	
NJRNS	Najran	
NAJS	Najran	
BODY	Near Bada	
MATS	Near Sharaf	
OLAS	OLAS	
QASM	Qassim	
QURS	Qurayyt al Milh	
RYNS	Ranyah	

Code	Station Name	Other
RNYS	Ranyah	
RHT01	RHT01	
RHT02	RHT02	
RHT03	RHT03	
RHT04	RHT04	
RHT05	RHT05	
RHT06	RHT06	
RHT07	RHT07	
RHT08	RHT08	
RHT09	RHT09	
RHT10	RHT10	
RHT11	RHT11	
RHT13	RHT13	
RHT14	RHT14	
RHT15	RHT15	
RHT16	RHT16	
RHWAS	RHWAS	
RYDS	Riyadh	
RYD	Riyadh	
RQBS	RQBS	
RMAH	Rumah	
FRSS2	Sair Farasan Island	
SRAT	Sarat Abidah	
SHRF	Sharaf	
SRFA	Sharaf	
SHQRE	Shigry	
SMAN	Sihmah	
SALT	Sultana	
QSMS	Sumairaa	
TBKS	Tabuk	
TAF1	Taif	
TATS	Tathlith	
TAYS	Tayyib Ism	
WELAS	Turaif	
TRAF	Turaif	
QYSM	Um Kedad	
SUMJS	Umluj	
UMJS	Umm Lajj	
UQSK	‘Uqlat as Suqur	
WBHS	Wadi ‘Ibn Hashbal	
HASS	Wahat al Ahsa’	
WASL	Wasel	
WTBKS	WTBKS	
YNBS	Yanbu‘ al Bahr	
DJNS	Zahran al Janub	
BTHS		
SHBS		
SLWS		
WJHS		
FDAS		
JLOS		
DARB		
KFJS		
LYLS		
YOBS		
RSHS		
SHMS		
ASYS		
BOQSS		
HQLS		
HRDDS		
Singapore		
BTDF	Bukit Timah Dairy	
SING	Singapore	
Spratly Islands		
KIPH	Kalayaan	
Sri Lanka		
COC	Colombo	
HALK	Hakmana	
MALK	Mahakanadarawa	
PALK	Pallekele	
Stavropol’skiy Kray		
ALER	Alexandrovskoye	
Syria		
KOOC	Abou Kooc	
RABH	Abou Rabah	
ARNB	Al Arnab	
BSHR	Al Beshri	
BIDA	Albida	
JHLN	Al Jahlan	
MZRK	Al-Mazaregh	
MNKR	ALMNKUR	
SLMH	Al Salmeh	
WHAB	Al Wahab	
BDRN	Badran	
BRBR	Barbar	
BTCH	Batrach	
DUSS	Damascus University	
DRBT	Darb Altahta	
DRWC	Darouich	
HAWK	Haweek	
KBSD	Kabsdagh	
KSRV	Kasrt alli	
KFRA	Kufra	
QASN	Qassioun	
MARH	Ras Al Marh	
SALA	Sala	
SLNF	Slenfeh	
SFNV	Sufian	
TCHB	Talchebab	
ROOS	tl_alroos	
TOTH	TOTAH	
WRDH	Warideh	
ZALF	Zalf	
Taiwan region		
ALS	Alishan	
ANP	Anpu	
EAST	Anshuo	
ZPLA	Ao Xicun	
BGSB	Baguashan	
TWGBT	Beinan	
WCH	Changhua City	
CHKT	Chengkung	
TWY	Chenhua	
TWD	Chiawan	
CHY	Chiayi	
TSCK	Chigu Township	
KNMB	Chin-men Tao	
CHN6	CHN6	
TWR	Chutung	
SCST	Cishan	
WDJ	Dajia District, Taichung City	
WDT	Danda	
NTST	Danshui	
XPSS	Dashiqiu	
NNSB	Datong	
NNSH	Datong	
NDT	Datong Township	
WLTB	Daxi	
EDH	Donghe	
WDL	Douliou City	
WDLH	Douliu	
WDGT	Dungji	
TWDS	Dungshr Township	
LIOB	Emei	
EOS1	EOS1	
RLNB	Erlin	
SCZT	Fangliau	
TWE*	Feng-lin	
FULB	Fuli	
FUSS	Fushou	
ETL	Fush Village	
EGFH	Guangfu	
WGK	Gukeng	
TNGL	Gungliau Township	
DPDB	Guoxing	
WSSB	Gushan	
WHF	Hehuan Shan	
EHC	Hejung	
TSEB	Hengchuen, Pingtung county	
TWKBT	Hengchun	
HEN	Hengchun	
TWK1	Hengchun	
EHP	Heping Village	
PTMZ	Houxiangcun	
WLCT	Hsiaoliuchiu	
TWP	Hsiaoliuchiu	
HSN	Hsinchu	
HSN1	Hsinchu	
SBCB	Hsinchu	
SGK	Hsinkong	HSI
HSI	Hsinkong	
TWK	Hsinying	
HWAP	Hualien Port	
EHY	Hungye	
HWA	Hwalien	
YLA	Ilan	ILA
ILA	Ilan	
AXDP	Jialang	
SCLT	Jiali	
LYJJ	Jianjiangzhen	
EGA	Jian Township	
SGST	Jiashian	
TEGC	Jichi Village	
SGLT	Jiouru	
KAU	Kaohsiung	
SNJT	Kaohsiung City	
KAUP	Kaohsiung Port	
KLUP	Keelung Port	
KNM	Kinmen	
TWS1	Kuangyinshan	
NWRT	Kuosheng	
TWX	Kuosheng	
TWI	Lanshu	
LYUB	Lan-yu	
LAY	Lan-yu	
ELDTW	Lidau	
MSUT	Lienchiang	
CHN7	Lioujiau	
SLGT	Liugui	
WLCH	Liuqiu	
TWQ1	Liyutan	
LONT	Longtian	
LDUT	Ludao	
TWH	Lutao	
WMLT	Mailiao	
TSMG	Majia	
MASBT	Mashibuluo	
MTST	Matsu	
MATB	Ma-tsu	
TWO1	Meishan	
TWO	Meishan	
NMLH	Miaoli	
NML	Miaoli City	
WNT	Mingjian	
CHN2	Minshiung	
TWA	Mucha	
ENAH	Nanao	
NANB	Nanao	
ENA	Nanau	
NSTT	Nanjuang	
NNS	Nan Shan	
CHN1	Nanshi	
WNT1	Nantou City	
SNW	Nanwan	
NCU	National Central University	
TNOU	National Taiwan Ocean University, Keelung City	
TWE	Neicheng	
TWZ	Neifu	
BACT	New Taipei City	
NACB	Ninganchiao	
ENTT	Nioudou	
PCYT	Pengchaiyu	
PNG	Penghu	
PHUB	P’eng-hu	
PTTC	Pingtan	
TSPT	Pingtung City	
TWG	Pinlang	
VDOS	Pratas Island	
WPL	Puli Township	
WLGB	Puzi	
VCHM	Qimei	
CHGB	Renai	
OWD	Renai	
HGSD	Ruisui	
SSD	Sandimen	
NSK	Sanguang	
TWB1	Santiao Chiao	
NSY	Sanyi	
ESL	Shilin	
NSM	Shimen	
TNSD	Shindian Village	
CHN3	Shinhua	
SLIU	Shizi	
ENLB	Shoufeng	
ESF	Shoufeng Township	
TWM	Shoushan	
TWM1	Shoushan	
TIPB	Shuangxi	
SSLB	Suanglung	
TWC	Suao	
TWCP	Suao Port	
SMLT	Sun Moon Lake	
WSF	Szhu	
WTCT	Ta-ch’eng	
TWT	Tachien	
SANB	Taian	
TCU	Taichung	
WHP	Taichung City	
TCUP	Taichung Port	
ECL	Taimali	
TAI	Tainan	
TAI2	Tainan City	
SNST	Tainan City	
TATO	Taipei	
TAP	Taipei	
TAP1	Taipei	
TTN	Taitung	
NTY	Taoyuan	
WTP	Ta-pu	
TPUB	Ta-pu	
STYT	Tauyuan	
TAW	Tawu	
TWJ1	Tawu	
TDCB	Techi	
NTC	Toucheng	
CHN5	Tsauling	
CHN4	Tsaushan	
WTK	Tuku	
TWQ	Tungshih	
VWDT	VWDT	
VWUC	VWUC	
WWF	Wufeng	
NWF	Wu-fen Shan	
WFSB	Wu-fen Shan	
NWLT	Wulai	
TWU	Wulai	
SSPT	Xinbi	
NHDH	Xindian District, New Taipei City	
NHW	Xinwu Township	
WHYT	Xinyi Township	
ETLH	Xiulin Township	
TEYL	Yanliau Village	
YHNB	Yeheng	
MHZQ	Yeshan	
ICHU	Yijhu	
CHN8	Yiju	
YM01	YM01	
YM03	YM03	
YM04	YM04	
YM05	YM05	
YM06	YM06	
YM07	YM07	
YM08	YM08	
YM09	YM09	
YM10	YM10	
YM11	YM11	
YM12	YM12	
PTSB	Yuanli	
WYL	Yuanlin Township	
SLBB	Yuanshan	
TYC	Yuchr	
TWF	Yuli	
EYUL	Yuli	
TWF1	Yuli	
YULB	Yu-li	
TAI1	Yung-k’ang	
YUS	Yu-Shan	
WCHH	Zhanghua	
NCUH	Zhongli	
NJD	Zhudong	
NJN	Zhunan	
WJS	Zhushan	
EGS		
Tajikistan		
AKUL	Akkuyli	
BLD	Baljuvan	
BZN	Bogi-Zagon	
CHLD	Childara	
CSD	Chor-Sady	
CGT	Chuian-Garon	
CHS	Chusal	
CHGR	Chuyangaron	
DSH	Dushanbe	
DZH	Dzhafr	
DZET	Dzherino	
DZE	Dzherino	
DZT	Dzhirgatal’	
GAR	Garm	
GAM	Garm	GAR
GEZ	Gezan	
GIS	Gissar	
IGR	Igron	
ISH	Ishtion	
KFTR	Kaftarguzar	
KLTT	Kalaidasht	
KLD	Kalaidasht	
KNR	Kangurt	
KRU	Karasu	
KHAT	Khait	
KHO	Khorog	
KHR	Khorongon	
KHUM	Khumson	
KOMA	Komarou	
KOMS	Komsomolabad	
KUL	Kulyab	
KYZD	Kyzyldzhar	
LNA	Lyangar	
MUP	Murgab	
MUR	Murgab	
MUS	Muskinabad	
NRK	Nurek	
OBG	Obi Garm	
PSV	Pishtovo	
RGR	Regar	
REG*	Regar	RGR
RAG	Roghun	
SNGI	Sangi-Kar	
SAT	Sang-Tuda	
SGZ	Semigandzh	
SHTS	Shaartuz	
SMT	Sultan-Mazar	
TDT	Tavil’dara	
URT	Ura-Tyube	
YAT	Yaldymych	
ZIM	Zimchurud	
Thailand		
TMDB	BangkokBB_BH_low_level	
BDT	Bhumibol Dam	
CHAI	Chaiyaphum	
CHAT	Chantaburi	
CHBT	CHBT	
CHG	Chiang Mai	CHTO
CMMT	Chiang Mai	
CHTO	Chiang Mai	
CMAR	Chiang Mai Array Beam Reference Point	
CM01	Chiang Mai Array Site 1	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CRAI	Chiangrai	
CHRT	Chiangrai	
CMAI	Chiengmai2	
PHET	Kaeng Krachan	
KBR	Kanchanaburi	
KHLT	Khaolaem Dam	
KHT	Khao Laem Dam	
KHON	Khomkaen	
UBPT	Khong Chiam	
KKTK	Khon Kaen	
KRAB	Krabi	
LPT	Lampang	
LAMP	Lampang	
LOE	Loei	
LOEI	Loei	
MHMT	Maesarieng	
NST	Nakhon Sawan	
NAYO	Nakonayok	
SRIT	Nakonsritamarat	
PANO	Nakornpanom	
NANT	Nan	
NONG	Nongkai	
NNT	Nongplab	
PCT	Pak Chong	
PATY	Pattaya	
PAYA	Payao	
PHIT	Phitsanulok	
PHRA	Phrae	
PKT	Phuket	
PKDT	Phuket	
RNTT	Ranong	
PBKT	Sadao Pong	
SKNT	Sakolnakorn	
SKLT	Songkhla	
SNG	Songkhla	
SRAK	Srakaew	
SRDT	SRDT	
SUKH	Sukhothai	
SURT	Suratani	
SURA	Surathani	
TRTT	Trang	
UBT	Ubonrachathani	
UMPA	Umpang Tak	
UTHA	Uthaitani	
UTTA	Uttaradit	
Turkey		
ABT	Abant	
ADVT	Abdulvahap	
ADAT	Adana	
ADT	Adana	
AKO	Adana	
SAIM	ADANA	
AFSR	Af¯ar-Bala (Ankara)	
AFYO	Afyonkarahisar	
KZIL	AFYON_Kizioren	
DAGI	Agillar	
AGN	Agin	
AGRT	Agri	
KOTA	A¯r¯–/Merkez-Kocata¯	
KAHT	Ahir Dag	
AKCD	Akcadag	
AKC	Akcakoca	
AKDA	Akdag	
AKDM	Akdamar-Van	
AKS	Akhisar	
AKHS	Akhisar	
AKKT	Akkus	
AKKU	Akkuyu-Mersin	
AKK2	Akkuyu-Mersin	
AKK1	Akkuyu-Mersin	
AKSY	AKSARAY - Altinkaya	
AKTT	Aktoprak	
EAK	Akyaka	
AKY	Akyazi	
ALAN	Alanya-ANTALYA	
ALT	Altintas	
CUALT	Altinyayla-SIVAS	
MASR	Amasra-Bartin	
AMSY	Amasya-Merkez	
ANDN	Andirin	
ANK	Ankara	
DAD	Ankara	
ANTO	Ankara	
ANTB	Antalya	
KEPZ	Antalya-Kepez	
AKUM	Antalya-Kumluca	
ARPR	Arapgir-MALATYA	
ARMT	Armutlu	
ARST	Arsuz	
ARTV	Artvin	
DRNR	Artvin/Merkez/Deriner Baraj¯–	
ASAT	Asagicarikuru	
AVCI	Avcilar-¯stanbul	
AVNT	Avonos	
AYK	Aydincik	
DDIM	Ayd¯–n/Didim	

Code	Station Name	Other
BAYT	Ayd¯–ntepe-Bayburt	
AYKD	Aykdinkavak	
AYS	Ayseler	
AYVA	Ayvalik	
DBAD	Bademkaya	
BKT	Bakacak	
HVHR	Bakirkoy-Istanbul	
BALAT	Bala	
BBAL	Bala	
BLCB	Balcova	
BALB	Balikesir	
KNL	Bal¯–kesir	
BUHA	Bal¯–kesir/Burhaniye-Dutluca	
STEP	BALIKESIR_Savastepe	
BALY	Balya	
BNT	Bandirma	
BTIN	Bart¯–n	
BASK	Baskale_VAN	
BASM	Basmak¯§i-Afyon	
BTMT	Batman	
BTMN	Batman	
BAYB	BAYBURT	
BBTK	Belbasi	
BRAR	Belbasi Array Beam Reference Point	
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR31	Belbasi Array Site 31	BRAR
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR00	Belbasi Site	BRAR
BLNT	Belen	
BERE	Bereket-Mersin	
BEST	Besiri	
BEYT	Beykoz	
BILE	Bilecik/Merkez-Dede RL	
BINT	Bingol	
BGOL	Bingol	
BNGL	BINGOL	
BNGB	Bing¯¶l	
SLHN	Bing¯¶l/Solhan-Merkez	
BTLK	Bitlis	
ADCV	BITLIS_Adilcevaz	
BLIS	Bitlis-Merkez	
BODT	Bodrum	
BGKT	Bogazkoy	
KIBS	BOLU	
BOLV	Bolvadin	
BCA	Borcka	
DBOC	Borcka	
KDAG	Bornova	
BOYT	Boyabat	
BYBT	Boyabat	
BOY	Boyalica	
BBRN	Bozburun-Marmaris	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BZK	Bozkurt	
ATAB	Bozova	
AUBOZ	BOZOYUK	
BOZY	Bozyazi-Mersin	
BCK	Bucak	
BNN	Bunyan	
BUCA	Burdur/Bucak-G¯…ndo¯du	
BRDR	BURDUR-Merkez	
BRGZ	Burgazada	
BRGA	Burgazada-Istanbul	
IGD	Bursa	
BUY	Buyukada	
BASD	Buyukada	
BADT	Buyukada	
KRGZ	Buyukada	
BUYA	Buyukada-Istanbul	
KIZO	Buyukkizoglu-Ladik(Samsun)	
BYZN	Byzanz	
DNZL	Cakiroluk	
CLDR	Caldiran	
CMRD	Camardi-Nigde	
CAME	Cameli-Denizli	
CMDR	Camlidere-ANKARA	
CANB	Canakkale	
KOCA	¯anakkale/Ayvac¯–k-Kocak¯¶y	
BAYC	CANAKKALE_Bayramic	
ECEA	¯anakkale/Eceabat-Seddulbahir	
GOKA	¯anakkale-G¯¶k¯§eada	
CAND	Candarli	
CANT	Cankiri	
CTK	Catak	
ELBA	Catalca	
CTT	Catalca	
CTTX	Catalca	
ECAT	Cat-ERZURUM	
CAVTT	Cavuskoy	
CAVI	Cavuskoy	
CHAY	Cayeli-Rize	
CHOM	Cayeli-Rize	
CEM	Cemisgezek	
CESE	¯e¯me	
CEYT	Ceyhan	
CDAG	Cicekdag	
CIFT	Cifteler, Eskisehir	
CHBY	Cihanbeyli	
CINR	Cinarcik Cinnet	
SBT1	Cinarcik-Koru-Yalova	
CIN	Cine	
CRLT	Corlu	
CORM	Corum	
CTKT	Corum	
COAL	Corum-Alaca	
KAGI	¯orum-Karg¯–	
CTAK	Corum_Osmancik	
CUKT	Cukurca	
CUND	Cunda Adasi-Balikesir	
BALT	Daday	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mu¯la)	
DARE	Darende-Malatya	
DAT	Datca	
DATC	Datca-Mugla	
DEMI	Demirci	
DDEM	Demirkent	
DKP	Demirkopru	
DMK	Demirkoy	
DMT	Demirtas	
DEMR	Demre-Antalya	
DENT	Denizli	
UZP	Denizli	
CAEL	Denizli/¯ameli-Kal¯–nkoz	
TAVA	DENIZLI_Tavas	
DERT	Derbent	
DVR	Devrek	
DIDI	Didim-Aydin	
DKL	Dikili	
DIKM	Dikmen	
DYDN	Diyadin	
DIY	Diyarbakir	
DYBB	Diyarbakir	
DIYA	Diyarbakir	
HANI	Diyarbakir_Hani	
DRTT	Dortyol	
DORT	Dortyol-Hatay	
DGT	Duragan	
DURS	Dursunbey	
DST	Dursunbey	
DRB	Dursunbey	
YIGI	D¯…zce	
EASY	Easy	
EDT	Edincik	EDC
EDC	Edincik	
EDRB	Edirne	
CAVK	Edirne/Enez-Cavuskoy	
KESN	Edirne-Kesan	
BAGO	Egridir - ISPARTA	
ELA	Elazig	
ELZG	Elazig	
ELZ	Elazig	
KOVA	Elaz¯–¯/Kovanc¯–lar-Tepebag	
ELDT	Eldivan	
EATA	Eleskirt	
ELL	Elmali	
ENEZ	Enez	
ERBA	Erbaa	
ERCV	ERCIS-VAN	
ERCT	Erciyes	
ERD	Erdek	
MEST	Erdemli	
ERIK	Erikli-Kesan	
ERMK	Ermenek	
EZC	Erzincan	
KRDT	Erzincan	
ERZN	Erzincan	
ERZ	Erzurum	
EZM	Erzurum	
ERZT	Erzurum	
ERZM	Erzurum	
EMRE	Erzurum,Aziziye	
KRIK	Erzurum-¯spir	
ATA5	Erzurum, Merkez	
EJDE	Erzurum, Palandoken	
ERZC	Erzyncan	
SBT5	Esenkoy-Cinarcik-Yalova	
ESE	Esentepe	
ESKT	Eskisehir	
BORA	Eskisehir	
SGAZ	Eski¯ehir/Seyitgazi-Do¯an¯§ay¯–r	
EYL	Eskiyayla	
SEYT	Eskypehyr	ESKT
ESPY	Espiye-Giresun	
EZN	Ezine	
FAT	Fatmalar	
FEKT	Feke	
FETY	Fethiye	
FETI	Fethiye-Mugla	
FOCM	Fo¯§a	
FUTB	Futbol	
GARD	Gard house	
GZT	Gaziantep	
GAZ	Gaziantep	
SOFT	Gaziantep	
GZTT	Gaziantep	
GZKV	Gazikoy-Tekirdag	
GAZI	Gazipasa	
GBZT	Gebze	
GEB	Gebze	
LAFA	Gebze-Kocaeli	
GEDT	Gedikpinar	
GDZ	Gediz	
GEDZ	Gediz	
GEMT	Gemlik	
GRDE	Gerede-Bolu	
GEVA	Gevas	
ALUC	Giresun/Alucra	
GRSN	GIRESUNGRSN	
GLHS	Glhisar (BURDUR)	
GOKC	Gokceada-Canakkale	
GOLH	Golhisar	
GOMA	Golmarmara-Manisa	
GLP	Golpazari	GPA
GPA	Golpazari	
GET	Gonen	
GONE	Gonen-Balikesir	
GYN	Goynuk	
GULA	Gulagac	
GULE	Gulek	
GULF	Gulfidan-Ladik(Samsun)	
GPNR	Gulpinar-Canakkale	
GULT	Gulveren	
GMLD	Gumuldur	
GUMT	Gumushane	
GDDT	Gundogdu	
GNYT	Guneyli	
CUGUR	Gurin_S¯VAS	
GURO	Guroymak-BITLIS	
SBT2	Guzelce-Avcilar-Istanbul	
GADA	Gvkgeada	
GCAM	G?zelcaml?	
HACI	Hacifakili, Akdagmaden, YOZGAT	
HDMB	Hadim	
HKR	Hakkari	
HAKT	HAKKARI	
YOVA	Hakkari_Y¯…ksekova	
HKOY	Hamitkoy-Ladik(Samsun)	
AGRB	Hanur-Agry	
HTY	Hatay	
ASUZ	Hatay-Arsuz	
HAVZ	Havza	
HYRS	Hayirsizada Cinnet	
HENT	Hendek	
HRT	Hereke	
HRTX	Hereke-Izmit	
HYBL	Heybeliada	
HYBA	Heybeliada-Istanbul	
HIS	Hisarcik	
HOMI	Horasan	
IGDI	IGDIR	
ILGA	Ilgaz	
ILIC	ilic-Erzincan	
IKL	Isikli	
COBT	Iskenderun	
ISP	Isparta	
YVAC	Isparta/Yalva¯§-¯zg¯…ney	
EISP	Ispir	
IST	Istanbul	
IST1	Istanbul	
ITU	Istanbul	
ISK	Istanbul-Kandilli	
URLA	Izmir	
IZM	Izmir	
ZEY	¯zmir	
DGB	¯zmir	
ZEDA	¯zmir-Bergama	
ZEYE	¯zmir/Urla-Zeytineli	
IZN	Iznik	
IZI	Iznik	
KDHN	Kadinhani	
KMRS	Kahramanmaras	
HCB	Kahramanmara¯	
KAHM	Kahramanmara¯/Dulkadiro¯lu	
ELBS	KAHRAMANMARAS_ Elbistan	
KAMT	Kaman	
KAVV	Kandilli-Istanbul	
KND	Kandira	
CUKAN	kangal_SIVAS	
KGT	Karabiga	
KRBG	Karabiga-Canakkale	
KBUK	KARABUK-Merkez	
KRBN	Karaburun	
KCT	Karacabey	
KCTX	Karacabey (Bursa)	
SVSK	Karacayir	
EKAR	Karacoban	
KDE	Karadeniz	
KDZE	Karadeniz Ereoli	
KHAL	Karahalli	
KHL	Karahalli	
PASA	Karahalli, USAK	
KARA	Karaisali	
KRMN	Karaman	
KKBE	Karaman7Kaz¯–mkarabekir	
KMS	Karamursel	
KRTS	Karatas	
KRTD	Karatas-Adana	
KART	Kargi	
KARG	Kargicak-Mersin	
KARO	Karliova-Bingol	
KARS	Kars	
DIGO	Kars	
AKAS	Kas	
PELI	Kastamon¯–-Ara¯§	
KMON	Kastamonu	
KAS	Kastamonu	
KAST	KASTAMONU	
CIDE	Kastamonu/Cide-Merkez	
KVT	Kavak	
BDRM	Kayabasi	
KAYA	Kayacik-Havza(Samsun)	
KYR	Kayrak	
GUNE	Kayseri	
YAHY	KAYSERI_Yahyali	
KEB	Keban	
KEBE	Keben-Mersin	
KEKT	Keklikte pe	
KELT	Kelkit	
KLT	Keltepe	
KEMA	Kemaliye	
KEMT	Kemer-ANTALYA	
BRTR	Keskin Array Beam Reference Point	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BRMAR	Keskin MP Array Beam Reference Point	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
CTKS	Kestanelik-??atalca	
KLYT	Kilyos	
KNAL	Kinaliada	
KRCT	Kiractepe	
KRH	Kirikhan	
DELI	KIRIKKALE	
AUKIR	K¯–rka- Seyitgazi ESKISEHIR	
KIRK	K¯–rklareli	
ARMN	K¯–rklareli/Merkez-Arma¯an	
VIZE	K¯–rklareli/Vize-Akp¯–nar	
KIRS	K¯–r¯ehir-Merkez	
KIZT	Kizilcal	
KAND	Kocaeli-Kandira	
KOL	Kolay	
ALIN	Konya/Alt¯–ntekin	
DOGA	KONYA_Doganhisar	
KERG	Konya-Eregli	
KKUL	Konya-Kulu	
KMER	Konya-Meram	
SEDI	Konya/Seydi¯ehir-Tara¯¯§¯–	
KONT	Konya--Tatoy	
KOPT	Kop Dagi	
KOPR	Koprukoy-ERZURUM	
KORT	Korkueli	
KORK	Korkuteli	
KOZK	Kozakli-Nevsehir	
KOZT	Kozan	
KOZTB	Kozan	
KULA	Kula-Manisa	
KULU	Kulu	
SBT4	Kumbag-Tekirdag	
MARK	Kumluca	
KUPE	Kupecik-Ladik(Samsun)	
KRTT	Kurtkulagi	
KURC	Kurucasile-Bartin	
KUSD	Kusadasi-Aydin	
KUTH	Kutahya	
AUKUT	KUTAHYA	
ANDZ	K¯…tahya/Merkez-And¯–z	
KUZU	Kuzuini	
LADK	Ladik-KONYA	
LPK	Lapseki	
LOD	Lodumlu	
MYA	Malatya	
MALT	Malatya	
MLTT	Malatya	
HEKM	Malatya_Hekimhani	
MLAZ	Malazgirt-MUS	
MNVG	Manavgat-Antalya	
MANT	Manisa	
MARD	Mardin	
MIDY	Mardin/Midyat-Merkez	
MRMT	Marmara Adasi	
MAR1	Marmaraadasi Cinnet	
BOTS	Marmara Ereglisi-Tekirdag	
SBT3	Marmara-Ereglisi-Tekirdag	
SB02	Marmara Sea	
MRSB	Marmaris-Mugla	
MAR2	Marsite Station 2 Hoskoy	
MAR4	Marsite Station 4	
MAR8	Marsite Station Cinarli Koyu	
MAR3	Marsite Station Guzelkoy	
MAR6	Marsite Station Kirazli	
MAR9	Marsite Station Marmara Adasi	
MAR7	Marsite Station Mursalli	
MAR5	Marsite Station Ucmakdere	
MRTI	Martiadasi	
MAZI	Mazidag	
MGN	Mengen	
DED	Mersin	
MERS	Mersin	
KIZK	Mersin	
GULN	MERSIN_Gulnar	
MIAN	Miandaros Cinnet	
AUMIH	MIHALICIK	
MLSB	Milas	
MDNY	Mudanya-Bursa	
MDU	Mudurnu	
MUT	Mudurnu	
MDUB	Mudurnu	
MULA	Mu¯la/Merkez-¯kizce	
MRFT	Murafatepe	
MFT	Murefte	
MUSM	Mu¯-Merkez	
NAL	Nallihan	
KHMN	Narli-Kahramanmaras	
NART	Narlikuyu	
AVNS	Nevsehir-Avanos	
BSTP	Nigde	
NIG	Nigde	
NIDE	Nigde/Merkez-Gumusler	
NRTH	North beach	
OILH	Oil house	
EOLT	Oltu	
ORDU	Ordu-Boztepe	
OREN	Orenkoy-Mersin	
ORLT	Orhaneli	
ORH	Orhaniye	
KAMA	Osmaniye	
OSMT	Osmaniye	
PLU	Palu	
PZAR	Pazar-Rize	
PERT	Persembe	
PRSB	Persembe-Ordu	
PTK	Pertek	
PIRH	Pier house	
PINB	Pinarbasi	
PHSR	Pinarhisar	
EPOS	Posof	
POWD	Powder case	
RAM	Raman	
REFA	Refahiye_ERZ¯NCAN	
RSDY	Resadiye-TOKAT	
REYT	Reyhanli	
SAFT	Safranbolu	
GEYV	SAKARYA_Geyve	
SAHE	Sakarya_HENDEK	
KAYN	Sakarya/Kaynarca-Ta¯oluk	
SMDT	Samandagi	
SAMS	Samsun-Alacam	
SANL	SANLIURFA_Merkez	
SURC	SANLIURFA_SURC	
SPNC	Sapanca-Adapazari	
SHAP	Saphane-Kutahya	
SARI	SarD1z-Kayseri	
SRCK	Saricakaya, Eskisehir	
CUSAR	Sarkisla-SIVAS	
RKY	Sarkoy-Tekirdag	
SAY	Sayfiye	
SCRP	Scyscraper	
SEDF	Sedefadasi Cinnet	
SEMD	Semdilli	
SENK	Senkaya-Erzurum	
SAUV	Serdivan-Sakarya	
SERE	Sereflikochisar	
SGT	Sevinc	
SYT	Seydisehir	
SEYD	Seydisehir-KONYA	
SHTH	Shelter house	
SRTM	Siirt_Merkez	
PERV	Siirt/Pervari-Merkez	
SILT	Sile	
SLF	Silifke	
SLFK	Silifke-Mersin	
SILI	Silifke-Mersin	
SLVT	Silivri	
SVAN	Silvan-Diyarbakir	
SIMA	Simav-Kutahya	
SMAA	Simav-Kutahya	
SINB	Sinanoba-Istanbul	
SNOP	Sinop	
SINP	Sinop	
BOYA	Sinop/Boyabat-Salar	
SINO	SINOP_Merkez	
SIRT	Sirnak	
SIRN	S¯–rnak	
SVST	Sivas	
CUAYA	Sivas-Alt¯–nyayla-Merkez	
SVRC	Sivrice-ELAZID	
SGKT	Sivrigoynuk	
AUSIV	SIVRIHISAR	
SVRH	Sivrihisar-ESKISEHIR	
SCER	sogukcermik	
SHUT	Suhut-Afyon	
SULT	Sultanhani-AKSARAY	
ENZZ	Sultanice-Enez-Edirne	
SUSE	Susehri	
SLK	Susurluk	
SUTC	Sutluce-Isparta	

Code	Station Name	Other
TAHT	Tahtakopru-Hatay	
TASB	TASBURUN-IGDIR	
BTAS	Taskesti	
TST	Taslik	
AYDN	Tasoluk	
TATV	Tatvan	
TVSB	Tavsanli	
GELI	Tayfur-Gelibolu	
TEKE	Tekeli-Mersin	
TKR	Tekirdag	
SART	Tekirdag	
TDAG	Tekirdag	
TKTP	Tekketepe	
TEPE	Tepekoy-Mersin	
TEPK	Tepekoy-MERSIN	
TRML	Termal-Yalova	
TSVK	Tesvikiye-Yalova	
TEVE	Tevekalti-Mersin	
TISA	Tisan-Mersin	
TOKT	Tokat	
TOKA	Tokat	
BTOK	Tokmak	
TTK	Tokmak	
TOS	Tosya	
TBZ	Trabzon	
KTUT	Trabzon	
MACK	Trabzon	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TRHT	Turhal	
TRKT	Turkoglu	
TURN	Turunc	
TUTA	Tutak	
TUZL	Tuzla-Istanbul	
ULDT	Uludag	
URFA	Urfa	
USAK	U¨ak-Merkez	
UZU	Uzumlu	
EUZM	Uzumlu	
UKOP	Uzunkopru-Edirne	
VANT	Van	
VNT	Van	
TVAN	Van	
VANB	Van	
VMUR	Van-Muradiye	
OZAP	Van/¨zalp-Merkez	
VRT	Varto	
VRTB	Varto-Mus	
VEZ	Vezirkopru	
YKBL	Yakuplu-Istanbul	
YKAV	Yalikavak-Bodrum	
KIYI	Yal¨–koy-Catalca	
CTYL	Yalikoy Yolu	
YLVH	Yalova	
YLV	Yalova	
CFTB	Yalova	
YALV	Yalova Cinnet	
YAMN	Yamanlar	
YARM	Yarimca-Ladik(Samsun)	
YAYL	Yayladag	
YAYX	Yaylak	
YEDI	Yedisu-Bingol	
YELT	Yellice	
BCAM	Yenicaga	
YER	Yerkesik	
YESI	Yesilovacik-Mersin	
YESY	Yesilyurt	
MUGL	Yilanlidag	
YORU	Yoruktepe-Mersin	
YOZ	Yozgat	
SIRC	Yozgat	
CKRK	Yozgat/¨ekerek-Merkez	
YUMT	Yumurtalik	
YURE	YUREGIR	
YUVA	Yuva-Kibriscik (Bolu)	
CUZAR	Zara_SIVAS	
AYDB	Zeytinkoy-Aydin	
ZGT	Zonguldak	
DEVR	Zonguldak/Devrek-Atalar	
KMST		
ANTT		

Turkmenistan

ABKT	Ailbek	
GEYT	Alibeck	
GYA0	ALIBECK ARRAY SITE A0	
GYA0B	ALIBECK ARRAY SITE A0B	
GYA1	ALIBECK ARRAY SITE A1	
GYA2	ALIBECK ARRAY SITE A2	
GYA3	ALIBECK ARRAY SITE A3	
GYB1	ALIBECK ARRAY SITE B1	
GYB2	ALIBECK ARRAY SITE B2	
GYB3	ALIBECK ARRAY SITE B3	
GYB4	ALIBECK ARRAY SITE B4	
GYB5	ALIBECK ARRAY SITE B5	
ASHT	Ashkhabad	
ASH	Ashkhabad	
BAT	Bayram-Ali	
CAGT	Chagyl	
CHDS	Charjew	
GARG	Garrygala	
GAUS	Gevers	
GZLA	Gyzyletrek	
KAH	Kaushut	
KAT	Kizyl-Arvat	
KRF	Krasnovodsk	
MNYS	Manysh	
MRY	Mary	
NBD	Nebitdag	
VAN	Vannovskaya	

United Arab Emirates

Abu Dhabi

AJN	Ajban	
MZR	Muzera	

Fujairah

UOSS	Minazif	

Umm Al-Quwain

UMQ	Umm Al-Quwin	
ALNE	Al Ain	
ASUD	Al Ashush, Dubai	
FAQ	Al Faqa, Dubai	
MSFE	Esma-Masafi	
HATD	Hatta, Dubai	
NAZ	Nazwa, Dubai	
SHME	Shamm	

Uttar Pradesh

BRCH	BAHRAICH	
MERT	Meerut	

Uzbekistan

AGL	Agalyk	
ANR	Andizhan	
ANE	Angren	
AUR	Aurakhmat	
CHET	Chet-Su	
DZN	Dzhankel'dy	
DZI	Dzhizak	
FRG	Fergana	
GAY	Galvasay	
KDK	Khodzhikent	
KLKU	Kulkuduk	
KUMR	Kumaryk	
LNC	Lunacharskoye	
NAM	Namangan	
NAP	Napay	
NUKS	Nukus	
NUT	Nurata	
SAM	Samarkand	
TMD	Tamdy-Bulak	
TAS	Tashkent	
YNGY	Yangiyul	

Vietnam

BCVB	Bac Can	
BGV	Bac-Giang	
BVV	Ba Vi	
CBVB	Cao Bang	
CKVB	Chieng Khoang	
CLVV	Chieng Lao	
CTVN	Chua Tram	
CCVB	Con Cuong	
MUVB	Co Noi	
DBV	Dienbien	
DHV	Doan Hung	
DSV	Doi Son	
HGVB	Ha Giang	
HNV	Hanoi	
HBV2	Hoa Binh	
HBVN	Hoa-Binh	
HUV	Hue	
MLVB	It Ong	
KSVV	Ky Son	
LUV	Laichau	
LCVN	Lai Chau	
LAVN	Lang Chanh	
LNVN	Lang Ngam	
LSVB	Lang Son station	
MTZV	Met	
MCVV	Moc Chau	
MLAV	Muong La station	
NTV	Nha Trang	
NHA	Nha-Trang	
PLV	Phu-Lien	
NCV	Pung Luong	
SPV	Sa-pa	
SLVN	Son La	
BMV	Son La	
DLVO	T a@11 Lat	
DLV	T a@11 Lat	
TDV	Tam Dao	
THV	Thanh Hoa	
TIYB	Tien Yen	
TTVN	Tram Tau	
TGV	Tuan Giao	
TLV	Tu Ly	
TQV	Tuyen-Quang	
VIVB	Vinh	
VIV	Vinh	
VTVB	Vinh Tuy	
YTV	Yen Tu	

Yemen

ADEN	Aden	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
BDHA	Al Bayda'	
MUKL	Al Mukalla	
MUKH	Al Mukha	
UDYN	Al 'Udayn	
ATAQ	'Ataq	
TRBA	At Turbah	
DHBB	Dhama@18r BB	
DHMR	Dhamar	
DAMY	Dhamar	
ERIN	Erian - IBB Gov. - Yemen	
HAJJ	Hajjah	
HRAD	Harad	
HNSH	Hunish Island	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
KAMRY	Kamaran Island	
MNKH	Manakhah	
MARB	Ma'rib	
SADA	Sad'ah	
SANA	San'a	
SYON	Say'un	
SOCY	Socotra	
SMRH	Sumara - IBB Gov. - Yemen	
TAIZ	Ta'izz	
ZBID	Zabid	
ZUQR	Zugar Island	
ZQRN	Zuqar Island	
LBOS		

ATLANTIC OCEAN/ARCTIC OCEAN

Ascension

ASCN	Ascension	
H10N1	ASCENSION HYDROACOUSTIC SITE N1	
H10N2	ASCENSION HYDROACOUSTIC SITE N2	
H10N3	ASCENSION HYDROACOUSTIC SITE N3	
H10S1	ASCENSION HYDROACOUSTIC SITE S1	
H10S2	ASCENSION HYDROACOUSTIC SITE S2	
H10S3	ASCENSION HYDROACOUSTIC SITE S3	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	

Bermuda

BBSR	BB Station	
BEC	Bermuda--Columbia	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
BEN	Bermuda-Navy	
PSBMU	Warwick Parish	

Faeroe Islands

FHV	Haldarsvik	
SOFL	Sornfelli, Faroe Islands	
FSD	Sut uroy	
FSV	Svinoy	
FTO	Torshavn	
FVA	Vagar	

Falkland Islands

EFI	East Falkland Island	
FLK	Falkland Islands	
PSF	Port Stanley	

Greenland

ASIG	Aasiaat, Greenland	
ASSG	Aftenstjerne Lake, Greenland	
ANGG	Ammassalik, Greenland	
CCG	Camp Century	
CFJ	Citronen Fjord	
DBG	Daneborg	
DAG	Danmarks Havn	
EGRIP	EGRIP Drilling camp	
FFBG	Frank Field Bay, Greenland	
GDH	Godhavn	
HJO	Hjoernedal	
IC-GL	Ice Cap	
IC-	Ice Cap	IC-GL
IS2	Icelocation 2	
ILULI	Ilulissat	
ILUG	Ilulissat, Greenland	
ILG	Inge Lehmann	IC-GL
ISOG	Isortoq, Greenland	
IVI	Ivigtut	
KAGG	Kagssortoq	
SF2	Kangerlussuaq 2	
SFJD	Kangerlussuaq 2	
KTG	Kap Tobin	
KULLO	Kullorsuaq	
KULG	Kulusuk, Greenland	
NRS	Narsarsuaq	
NOR	Nord	
NEEM	North Greenland Eemian Ice Drilling site	
NGR	North Grip Drilling Camp	
NUUG	Nuugaatsiaq	
PAAG	Paamiut	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
RYL	Rypely	
SA1G	Sarfartoq 1, Greenland	
SA2G	Sarfartoq 2, Greenland	
SA3G	Sarfartoq 3, Greenland	
SA4G	Sarfartoq 4, Greenland	
SCO	Scoresbysund	
SISG	Sisimiut, Greenland	
SOEG	Soedalen	
SFJ	Sondre	
SUMG	Summit	
TE-GL	Thule	
THULE	Thule	
TULEG	Thule	
TE-	Thule	TE-GL
THU	Thule	
UPNG	Upernavik	
UMM	Uummannaq	

Iceland

IASB	A@15sbjarnarstat ir	
AKU-	Akureyri	
AKU	Akureyri	
IALF	Alftagrof	
IADA	Aoalbol	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IAUS	Austmannsbunga	
IBJA	Bjarnastaoir	
BORG	Borgarnes	
IBRE	Brettingsstaoir	
IBRU	Bruarjokull	
IDIM	Dimmadalsˆ¡s	
IDYN	Dyngjuhals	
DJK	Dyngjujokull	
EGI	Egilsstadhir	
IENT	Enta	
IESK	Eystri-Skogar	
IFAG	Fagurholsmyri	
IFED	Fedgar	
IFLA	Flatey	
IGIL	Gilhagi	
IGLU	Glumsstadir	
IGOD	Go??abunga	
IGRA	Granastaoir	
IGRI	Grimsey	
IGRF	Grimsfjall	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGHA	Grjothals	
IGHS	Grjothals	
IGYG	Gyngjarholskot	
IHAE	Haedir	
HAH	Hahryggur	
IHAU	Haukadalur	
IHEI	Heioarbar	
IHLA	Hella	
IHED	Heoinshofoi	
IHRN	Hraun	
IHUS	Husbondi	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IJOK	Jokulheimar	
IKAS	Kald??rsel	
IKAL	Kalfafell	
IKSK	Karasker	
IKRE	Kreppuhraun	
IKVO	Krokottuvotn	
IKRO	Krokur	
IKRI	Krysuvik	
IKUD	Kuludalsa	
IHVO	Lagu-Hvolar	
ILEI	Leirhofn	
LJO	Ljotipollur	
IMEL	Melhnausar	
IMID	Miomork	
IMJO	Mjoaskard	
IMKO	Mokollar	
INYL	Nylenda	
IRNE	Reykjanes	
REY	Reykjavik	
IREN	Reynihlio	
IRJU	Rjupnafell	
ISAN	Sandskeio	
ISAU	Saurbar	
SID	Sida	
ISIG	Siglufjorour	
ISKI	Skildingahˆ‡Ishraun	
ISKR	Skrokkalda	
ISLY	Slysaalda	
ISMJ	Smjorgil	
ISNB	Snabyli	
ISOL	Solvholt	
ISVA	Svartarkot	
IVAT	Vatnsfell	
IVME	Vestmannaeyjar	
IVES	Vestmannaeyjar	
VIK	Vik	
IVOG	Vogar	
IVOS	Vogsosar	
IVON	Vonarskard	
IVOT	Vottur	
IVSH	V-Sauoahnukur	

Saint Helena

SHEL	Horse Pasture	
SHLN	Saint Helena Island	

South Georgia Islands

HOPE	Hope Point	
KEP	King Edward Point	

Tristan da Cunha

TRIS	Tristan da Cunha	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
H09N1	TRISTAN DA CUNHA T-PHASE SITE N1	
H09W1	TRISTAN DA CUNHA T-PHASE SITE W1	
TDC1	Tristan de Cunha	

AUSTRALASIA

Australia

BRSB	Brisbane	

Australian Capital Territory

RNDA	Aranda	
CAN	Canberra	
CNB	Canberra Magnetic Observatory	
AUDAR	Daramalan College	
KMBH	Kambah	
KOW	Kowen Forest	
AUMHS	Melrose High School	
AUMTS	Mt Stromlo	
AUSIS	Research School of Earth Sciences	

Macquarie Islands

MCQ	Macquarie Island	
MQI	Macquarie Island	

New South Wales

ARMA	Armidale	
AVO	Avon	
BWA	Boorowa	
BUDM	Budderoo	
BJEM	Burrinjuck	
BJDM	Burrinjuck Dam	
CBR	Cabramurra	
CAB	Cabramurra	
CAH	Castle Hill	
CTBM	Cataract Bedrock	
CTDM	Cataract Dam	
CAVM	Cavillon	
CHAM	Chaffey Accelerograph	
CHFM	Chaffey Dam	
CMSA	Cobar Meteorology Station	
CMS	Cobar Meteorology Station	
EPSO	Coonabarabran	
COO	Cooney Tunnel	
COPM	Copeton	
CKWL	Crookwell	
DLN	Dalton (NSW)	
AUDCS	Dubbo College Senior Campus	
EUGM	Eugowra	
FTZM	Fitzroy Falls	
GEE	Geehi	
GBBM	Glenbawn Bedrock	

Code	Station Name	Other
GBAM	Glenbawn Dam	
GLNM	Glennies Creek Dam	
GRVM	Greaves Creek	
GUND	Gundaroo	
HLA	Hall's Lagoon	
IVY	Inveralochy	
INV	Inveralochy	
IVN	Inveralochy	
JBRM	Jenolan Black	
JNL	Jenolan Caves	
JIN	Jindabyne	
KANM	Kanangra Walls	
KPTM	Keepit Bedrock	
KPAM	Keepit Dam	
KHA	Khancoban	
AUKHS	Kincumber High School	
KTLM	Kings Tableland	
WOOD	Lake Woodford	
LER	Lerida	
LBXM	Letterbox	
AULRC	Lightning Ridge Central School	
LTGO	Lithgow	
LHI	Lord Howe Island	
LOSM	Lostock Dam	
LHBM	Lucas Heights	
MGCD	Mangrove Creek Dam	
MKPT	Marks Point, NSW, Australia	
MEG	Meangora	
MILA	Mila	
AUMAG	Moama Anglican Grammar School	
MEA	Monteagle	
MBA	Mount Bingar	
CPXM	Mount Cotopaxi	
AUMUL	Mullumbimby High School	
NARM	Nariel	
NATM	Nattai	
NTLH	Newcastle Hard Rock	
NTLS	Newcastle Soft Rock	
ORNG	Orange	
AUPHS	Peel High School	
PHDM	Pipehead	
REDH	Redhead, NSW Australia	
RIV	Riverview	
SBR	S Black Range	
AUSMG	Snowy Mountains Grammar School, Jindabyne	
SPRM	Split Rock	
STK	Stephens Creek	
STKA	Stephens Creek	
SWAN	Swansea	
DNSO	Sydney	
SYD	Sydney	
SYDH	Sydney Hard Rock	
SYDS	Sydney Soft Rock	
TAO	Talbingo	
TLNG	Tallong	
TALM	Tallowa	
TALL	Tallowa Pump Stn	
AUTKS	The King's School, Parramatta	
TPND	Tumut Pond Dam	
AUUHS	Ulladulla High School, Ulladulla	
WAM	Wambrook	
WGBM	Warragamba	
WDBM	Warragamba Dam	
WER	Werombi	
WOLH	Wollongong Hard Rock	
WRNM	Woronora	
WYA	Wyangala	
YERM	Yerranderie	
YOU	Young	
YNG	Young	
Norfolk Island		
NRFK	Norfolk	
NFK	Norfolk Island	
NIA	Norfolk Island	
Northern Territories		
AUDHS	Darwin High School	
AUKAT	Katherine High School	
AUNHS	Nhulunbuy High School	
Northern Territory		
ASP	Alice Springs	
ASPA	Alice Springs	
ASAR	Alice Springs Array Beam Reference Point	
AS01	Alice Springs Array Site 1	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS31	Alice Springs Site	
DAR	Darwin	
DPH	Darwin Parliament House	
DRS	Darwin Rock Store	
KAKA	Kakadu	
KDU	Kakadu	
KATH	Katherine N.T. Australia	
MTN	Manton Dam	
WRAB	Tennant Creek	
WB1	Warramunga Ar.	
WCB	Warramunga Array	
WRB	Warramunga Array	
WRA	Warramunga Array Beam Reference Point	
WB0	Warramunga Array Site B0	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
WRAI	Warramunga Infrasound Array Beam Reference Point	
Queensland		
AWOON	Awoonga Dam	
AWDQ	Awoonga Dam 3	
AUAYR	Ayr State High School	
BEEN	Beenleigh	
AUBSH	Beerwah State High School	
BOON	Boondooma	
BDMQ	Boondooma Dam	
BW2S	Bowen Soft Rock	
BRS	Brisbane	
BN2S	Brisbane 2 Soft	
BR1	Brisbane hardrock	
BN1H	Brisbane Hard Rock	
BR2	Brisbane softrock	
BSLQ	Bruslee	
WBAQ	Buaraba 3	
BURD	Burdekin Lookout	
CN1H	Cairns Hard Rock	
CNS1	Cairns-h seis/acc	
CN2S	Cairns Soft Rock	
AUCSH	Cairns State High School	
CTA	Charters Towers	
CTAO	Charters Towers	CTA
CHIL	Chillagoe	
COEN	Coen	
CVLQ	Collinsville	
DLBQ	Dalbeg	
DNGQ	Doongara	
EASTN	East End Reserv.	
EIDS	Eidsvold	
FAIR	Fairbairn	
FGTQ	Fig Tree	
FS03	Four Seasons	
FRED	Fred Haigh	
GLADS	Gladstone Plant	
GD1S	Gladstone Soft Rock	
BGRQ	Glenroy	
GC1S	Gold Coast 1 Soft	
GC2F	Gold Coast 2 Fill	
GC2	Gold Coast Softrock	
GC1	Gold Cst Hrdrock	
HINZ	Hinze Dam	
KDA	Kuranda	
WMBQ	Mount Brisbane	
MCPQ	Mount Cooper	
MHPQ	Mount Hope	
QIS	Mount Isa	
ISQ	Mount Isa	
MORG	Mount Morgan	
MTSU	Mount Surprise	
AUMOU	Moura State High School	
AUNRC	North Rockhampton State High School	
PETE	Peter Faust Dam	
PDDM	Pindari Dam	
WPMQ	Pine Mountain	
QLP	Quilpie	
WRCQ	Reedy Creek 5	
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RK1H	Rockhampton Hard Rock	
RMQ	Roma	
RTQ	Roma	
RDSS	Rosedale State School	
WTRQ	Thallon Road	
TINA	Tinaroo	
WTGQ	Toogoolawah	
WOOM	Toowoomba	
TW1H	Toowoomba 1 Hard	
AUTOO	Toowoomba State High School	
TVL	Townsville	
TV1H	Townsville Hard Rock	
TV2S	Townsville Soft Rock	
UKAQ	Ukalunda	
AUWSH	Wavell State High School	
WWHQ	Wivenhoe Hill 3	
WPA	Woody Point	
South Australia		
ADE	Adelaide	
ARKL	Arkaroola	
BBOO	Buckleboo	
CLV	Cleve	
AUCAS	Cummins Area School	
EDO	Endilloe	
GLEN	Glenside	
GHSS	Government House	
HTT	Hallett	
HML1	Hamley Bridge	
HKER	Hawker	
HWKN	Hawk's Nest	
HKN	Hawks Nest	
HMV1	Hindmarsh Valley	
INKA	Innaminka	
ILN	Island Lagoon	
JMS1	Jamestown	
AUJCS	Jamestown Central School	
KELC	Kelly Hill Caves	
LCRK	Leigh Creek	
LBTL	Lobethal	
AUMAR	Marden Senior College	
MPTV	Morphett Vale	
MGBR	Mount Gambier	
MRAT	Mt Rat	
MULG	Mulgathing	
MYLR	Mylor	
MYP	Myponga	
NAPP	Napperby	
NBK	Nectar Brook	
OOD	Oodnadatta	
PLMR	Palmer	
PARN	Parndana	
PNA	Partacoona	
PBR1	Peterborough	
PTPS	Port Pirie	
AURMK	Renmark High School	
ROBE	Robe	
RPA	Roopena	
AUROX	Roxby Downs High School	
SDAN	Sedan	
SNL	Sevenhill	
STR2	Strathalbyn	
UTT	Tea Tree Gully	
TWOA	Tennyson Woods	
THS	The Heights School	
TPSO	The Peters Seismological Observatory	
UMB	Umberatana	
WHYH	Whyalla	
WKA	Willalooka	
FR27	Wilpena Pound	
WSA	Woomera	
YE6	Yeelanna, site6	
Tasmania		
BNE	Burnie High School	
CORO	Coronation Park	
GEES	Gees Lookout	
GLAD	Gladstone	
FNT	Hobart	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
MARG	Lake Margaret	
MIKA	Lake Mikany	
LMT	Lemonthyme	
AULHS	Lilydale High School, Lilydale	
MOO	Moorlands	
CLAW	Mount Claude	
NELS	Mount Nelson	
MTRD	Mount Read	
POAT	Poatina	
QTN	Queenstown	
SVR	Savage River	
SAV	Savannah	
SPK	Scotts Peak	
SFF	Sheffield	
STG	Strathgordon	
STGV	Strathgordon Vge	
AUTAR	Taroona High School, Taroona	
TRR	Tarraleah	
LEAH	Tarraleah	
TAU	Tasmania University	
Victoria		
ABEM	Aberfeldy	
BRAT	Ballarat	
BANM	Bannockburn	
BFD	Bellfield	
BOV	Bogong Mts	
BRWK	Brunswick	
BUV	Buchan	
BUCN	Buchan	
BUCM	Buckrabanyule	
CCRM	Cairn Curran	
CDNM	Cardinia	
GEAM	CSIRO Animal Health Laboratory	
DRT	Dartmouth	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DTMM	Dartmouth Digital	
GEXS	Deakin University, Geelong	
DVBM	Devilbend	
DRAM	Dora Dora	
DROM	Dromana	
FSHM	Fish Creek	
FRTM	Forrest	
GLMM	Glenmaggie	
GVL	Greenvale	
AUHPC	Hawkesdale P12 School	
HEXM	Hexham	
HUMM	Hume Dam	
IVSM	Inverness	
JENM	Jeeralang Junction	
AUKSC	Keysborough Secondary College	
KOWM	Kowarra	
LGTM	Lightning Creek	
MACM	Macedon	
MEL	Melbourne	
MITM	Mitta Mitta	
MLWM	Molesworth	
MDRM	Moondarra Dam	
MPDM	Moonee Ponds	
ARPS	Mount Arapiles	
HOPM	Mount Hope	
MTV	Mount Tassie	
MTLM	Mount Tassie Tower	
AUMTC	Mt Clear College-Earth Ed	
GOGM	North Grampians	
ROYM	Rob Roy	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
AURSC	Rosebud Secondary College	
LYNN	Rosslynne Res.	
ROWM	Rowsley	
RUSM	Rushworth	
AUSSC	Sale College, Sale	
MLBS	Spotswood, Melbourne	
SHYM	Surrey Hills	
TATM	Tatong	
TECM	TEC LaTrobe	
TOMM	Thomson	
TOO	Toolangi	
WILL	Willung South	
West Australia		
AUBUS	Georgiana Molloy Anglican School, Busselton	
AUKAL	John Paul College, Kalgoorlie	
AUKUL	Kulin High School, Kulin	
AUMAZ	Mazenod Senior College, Perth	
AUHAR	St Anne's School, Harvey	
AUALB	St Joseph's College, Albany	
AUKAR	St Luke's College, Karratha	
AUCAR	St Mary Star of the Sea, Carnarvon	
Western Australia		
BLDU	Ballidu	
BAL	Ballidu	
BEAC	Beacon	
WA4	Burakin	
CANN	Canning Dam	
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
CARL	Carlisle	
COOL	Coolgardie	
DAM	Dampier	
DOCK	Docker River	
FITZ	Fitzroy Crossing	
FITX	Fitzroy Crossing	
FORR	Forrest	
FORT	Forrest	
GLS	Giles	
GIRL	Giralia	
GNOW	Gnowangerup	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KMBL	Kambalda	
KAA	Karratha	
KLB	Kellerberrin	
KLBR	Kellerberrin	
KNA	Kununurra	
KNRA	Kununurra	
LKGR	Lake Grace	
MBWA	Marble Bar	
MBT	Marble Bar	
MBL	Marble Bar	
MEK	Meekatharra	
MEEK	Meekatharra	
MEKA	Meekatharra	
MORW	Morawa	
MRWA	Morawa	
MTKN	Mount Kenneth	
MUN	Mundaring	
NANU	Nanutarra	
NAU	Nanutarra	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NDA	Nedlands	
PER	Perth	
PSA00	Pilbara Seismic Array Element 00	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
RKG	Rocky Gully	
RKGY	Rocky Gully	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
SWV	Swan View	
WA3	Talbot Brook	
WA2	Wagin	
WRKA	Warakurna	
WARB	Warburton	
WBN	Warburton	
WAT	Watheroo	
WA1	Wongan Hills	
WOOL	Woolibar	

New Zealand
Campbell Island
CBZ Campbell Island
Chatham Islands
I36NZ CHATHAM INFRASONIC ARRAY REFERENCE POINT
CTZ Chatham Island
CIZ Chatham Islands
Kermadec Islands
GLKZ Green Lake
RAO Raoul Island
RIZ Raoul Island
KRHZ Kereru
PWZ Pawanui
POWZ Post Office Road
WPHZ Waipukurau
North Island
ALRZ Allen Road
ANWZ Angora Road
RAHZ Arahi
ARA Arapuni
ABAZ Army Bay
ARHZ Aropaoanui
AUC Auckland
AWAZ Awhitu Peninsula
BHW Baring Head
BLW Big Hill
BFZ Birch Farm
BSWZ Blackbirch Station
BHHZ Black Hill Station
BKZ Black Stump Fm
BUN Bunnythorpe
BSZ Bushy Park
CAW Cannon Point
CMWZ Cape Campbell
CKHZ Cape Kidnappers
CRZ Cape Reinga
CNGZ Carnagh Station
CAZ Castlepoint
CPWZ Castlepoint
CNZ Chateau
COVZ Chateau Observatory
DNN Dannevirke
DVHZ Dannevirke
DFE Dawson Falls
DRZ Dome Shelter
DREZ Durham Road
ECZ East Cape
ETAZ East Tamaki Reservoir
ETVZ East Tongariro
EPAZ Eden Park BICEP
EDRZ Edgecumbe
FWVZ Far West T-bar
GRRZ Galatos Road
GNZ Gisborne
GSZ Glacier Shelter
GBZ Great Barrier
GRZ Great Barrier Island
HRRZ Handcock Road
HARZ Haroharo
HAS Hastings
HIZ Hauiti
HNZ Havelock North
HNHZ Havelock North
HBAZ Herne Bay Borehole
HBZ Hicks Bay
HLRZ Highlands Station
HATZ Hinemaiaia
HITZ Hingarae
HOWZ Holdsworth Station
HSRZ Hossack Road
HUTZ Huka
KUTZ Kaahu Road
KARZ Kaharoa
KHEZ Kahui Hut
KAHZ Kahuranaki
KMRZ Kaimai
KIT* Kaitaia
KATZ Kakaramea
KIW Kapiti Island
KBAZ Karaka Road Borehole
KRP Karapiro
KAVZ Karewarewa
KRVZ Karewarewa
KAAZ Kauri Point
KWHZ Kaweka Forest
KETZ Ketetahi
TKEZ Kiri Road
KNZ Kokohu
KUZ Kuaotunu
LREZ Lake Rotokare
LIRZ Lichensteins Rd
MAHZ Mahia
MHGZ Mahia Peninsula
MOZ Mahoenui
MRW Makara Radio
MKRZ Makatiti
MARZ Manawahe
MNG Mangahao
MHEZ Mangahewa
MRZ Mangatainoka River
MTVZ Mangateitei
MRH Marewa
MXZ Matakaoa Point
MWZ Matawai
MRHZ Matea Rd
MGZ Maungaku
MTHZ Maungataniwha
MYRZ Mayor Island
MCHZ McNeill Hill
MOVZ Moawhango
MOH Mohaka
MOW Moikau
MSWZ Moikau Station
MTAZ Motutapu
MBAZ Motutapu North Island, New Zealand
MKAZ Moumakai
AMW Mount Adams
MTW Mount Morrison
TARZ Mount Tarawera
MUGZ Murupara
NMEZ Namu Road
NPR Napier
NMHZ Naumai
NWEZ Newall Road
NBEZ Newall Road North Island, New Zealand
NPZ New Plymouth
NRZ Ngariki Road
NGZ Ngauruhoe
NGRZ Ngongotaha
NEZ North Egmont
NOZ North Gisborne
NTVZ North Tongariro
OHWZ Ohakea
OPRZ Ohinepanea
OIZ Oio
OUZ Omahuta
OMRZ Omania
ONE Onerahi
OTW Orongorongo Tunnel
OGWZ Otaki Gorge
OTAZ Otara
OTVZ Oturere
PATZ Paeroa
PKGZ Pakihiroa
PLWZ Palliser
PREZ Palmer Road
PAHZ Panekirikiri
PARZ Papamoa
WSSZ Parewanui
PRGZ Paritu Road
PAWZ Paruwai Farm
PXZ Pawanui
PRRZ Plateau Road
PKVZ Pokaka
PGZ Pongaroa
PRHZ Porangahau
PRWZ Pori Road
PKE Pukeiti
PNHZ Pukenui
PUZ Puketiti
QHW Quartz Hill
RBY Rainbow Mountain
RAEZ Rainy Point
RGZ Rangipo
RATZ Rangitukua
RUGZ Raukumara Range
RUZ Raurimu
RAGZ Rawiri
RRRZ Republican Road
RITZ Rihia Road
RIGZ Rimuhau
RVAZ Riverhead Borehole
ROS Roseneath
ROT Rotorua
RTZ Ruatahuna
WSFZ Santoft
WSNZ Santoft
STN Seatoun
SNGZ Shannon Station
SNZO South Karori
WSDZ Springvale
STZ Stratford
TOZ Tahuroa Road
TSZ Takapari Road
TRZ Taradale
TTH Taradale Trig
TAHZ Taraponui
TNZ Tarata
TAZ Tarawera
TGRZ Tauranga
TWVZ Taurewa
TWGZ Tauwhareparae
TEHZ Te Atua
HAZ Te Kaha
TKGZ Te Karaka
TMVZ Te Maari
TMWZ Te Maipa
TIWZ Tintock
TLZ Tolley Road
TON Tongariro
TRWZ Traveller
TUA Tuai
TUTZ Tuhingamata
TUVZ Tukino
TRVZ Turoa
URZ Urewera
UTU Utuhina
VRZ Vera Road
WNVZ Wahianoa
WTAZ Waiatarua
WIAZ Waiheke Island
WHHZ Waihua
WGZ Waimangu
WDW Wainui Dam
WMGZ Waiomatatini Station
WCZ Waipu Caves
WNZ Wairakei
WATZ Wairara
WAHZ Wakarara
WLFZ Wanganui
WAZ Wanganui
WEL Wellington
WTVZ West Tongariro
WHTZ Whakaora
WPVZ Whakapapa
WPRZ Whakapapataringa
WTZ Whakatane
WHH Whakatau
WHRZ Whale Island
WHVZ Whangaehu Hut
WLZ Whitehall
WIZ White Island
WSRZ White Island Summit, North Island, New Zealand
WHW Wright's Hill
South Island
AKCZ Akaroa Harbour
AXZ Alexandra
AMCZ Amberley
ARCZ Arundel
BWZ Berwen
BBW Black Birch
BRZ Borland Lodge
BCZ Braida Crags
BSP Bush Stream
CFC Cairnmuir Flats
CMCZ Cairnmuir Mts
CRLZ Canterbury Laser
CCW Cape Campbell
CMZ Cashmere
CHR Christchurch
CYZ Clyde
CDZ Cobb Dam
COB Cobb River
DCZ Deep Cove
DNS Denniston
DSZ Denniston North
DMP Diadem
DNZ Dunedin
DND Dunedin-Penfold
DUWZ D'Urville Island
DIW D'Urville Island
EAZ Earnscleugh
EWZ Erewhon
EYCZ Eyrewell
FLW Foulwind
FOZ Fox Glacier
GCSZ Gaunt Creek Borehole
GPZ Gebbies Pass
GSP Gladstone Stream
GFW Glenfield
GLE Glenmuick
GVZ Greta Valley South Island, New Zealand
GRY Greymouth
HHSZ Highcliff Hill
HHP Hogget Hill
HGP Huxley Gorge
INZ Inchbonnie
JCZ Jackson Bay
KHZ Kahutara
KKZ Kaikoura
KKY Kaikoura West
KAI Kaimata
LBZ Lake Benmore
LMZ Lake Moeraki
LTZ Lake Taylor
LRCZ Leaning Rock
LSCZ Lilico Spur
MLZ Mavora Lakes
MQZ McQueen's Valley
MSZ Milford Sound
MNW Monowai
MHZ Mount Horn
MHCZ Mount Hutt
MJZ Mount John
MJP Mount John Pukaki
MMP Mount Mary
MMCZ Mount Michael
MSCZ Moutere Station
NNZ Nelson
OMZ Oamaru
OKCZ Okains Bay
ODZ Otahua Downs
OXZ Oxford
PPZ Puysegur Point
PYZ Puysegur Point
QRZ Quartz Range
RACZ Rakaia
RPZ Rata Peaks
RHP Rhoboro Hills
RTY Rotoiti
ROX Roxburgh
RTP Ruataniwha
SYZ Scrubby Hill
SBCZ Sonora Basin
TAK Takaka
THP Tara Hills
TMZ Timaru
TMP Tomahawk Gully
THZ Tophouse
TCW Tory Channel
TBC Trig B
TLC Trig L
TUWZ Tuamarina
TUZ Tuapeka
WPZ Waipapa Point
WAI Wairiri
WVZ Waitaha Valley
WACZ Wakanui South Island, New Zealand
WKZ Wanaka
WHZ Wether Hill Road
Stewart Island
OBZ Oban
SIZ Stewart Island
APZ The Paps

Niue
NIUE Niue

Papua New Guinea
Admiralty Islands
MOM Momote
Bougainville
BUKA Buka
KOA Kobuan
BGA Mount Bagana
PAA Panguna
D'Entrecasteaux Islands
BDO Budoia
ESB Esa-ala
ESA Esa-ala
LOSU Losuia
WDIS Woodlark Island
New Britain
PGBAU Baubata
BIAL Bialla
BOI Boisen
CGA Cape Gloucester Airport
DOY Duke of York Island
DAW Hoskins
PGKAI Kaiamu
KRT Keravat
KET Keravat
KRVT Keravat (AS076)
KCM Kilenge
BULU Kimbe
KMB Kimbe
KMBE Kimbe
LAG Langila
PGMAR Marapu
MIP Matupit
MPT Matupit Island
EVZ Mount Varzin
NIS Nissan Island
PNB Pomio
RAL Rabalanakaia
RAB Rabaul
ERB Rabaul (IGS)
RPT Raluana Point
RAP Rapindik
ESM Semalu
SUL Sulphur Creek
TLS Talasea
TKA Tanaka
TAV Tavurvur
ETV Tovanakuss
ULA Ulamona
ULO Ulamona
VUL Vulcan
WAN Wanliss Street
EWT Watom Island
WITU Witu Islands
New Ireland
EDY Kabakon Island
KAVG Kavieng
KVG Kavieng
KAV Kavieng
EKN Konogogo
ELB Lambom Island
LHIS Lihir Island
AGE Agenahambo
AITP Aitape
ALTO Alotau
ALOT Alotau
ALOA Alotau
BLLO Bulolo
DNG Daru
FINC Finschhafen
GKA Goroka
GRK1 Goroka
GRK Goroka
KIAM Kaiam
KKI Karkar Island
KRG Kerema
KDB Konedobu
KPN Kupiano
KUPN Kupiano
KUTA Kuta
LUNA Lae
LAE Lae
LAT Lae
LML Lae--Mount Lunaman
LKW Lake Wisdom
LMG Lamington
MAD Madang
MDG Madang
MANU Manus Island
MNDI Mendi
MISM Misima Island
MCAS Mount Castle
HAGN Mount Hagen
NADZ Nadzab
NAMA Namatanai
PIAM Paiam
PDUI Pindiu
POP Popondetta
PMG Port Moresby
PUR Purari
RABL Rabaul
SRPI Serui, Papua
TBL Tabele
TABU Tabubil
OKTD Tabubil
TZZ Tabubil
TPN Tapini
WAB Wabag
WAA Waris
WAU Wau
WEWK Wewak
WEK Wewak
WEW Wewak
WWW Wewak
WWKK Wewakk
YAN Yangoru
YYYY Yonkie
Solomon Islands
AUK Auki
GIZ Gizo
HNR Honiara
LBT Labete
PIV Piva
RKS Reko
SVO Savo
VSG Visale

CARIBBEAN SEA

Anguilla
SWIP Sombrero

Antigua
ANDO Antigua, Disaster Office
ANOC Antigua Open Campus
ANBD Bethesda, Antigua

Antigua and Barbuda
ANG Antigua
AWI Antigua
BPA Boggy Peak
Barbuda
BWI Barbuda
CPB Codrington
O6A E Barbuda OBS
ANWB Willy Bob

Barbados
B5GA 5 Glenshane
BDS Barbados
BRB Barbados
BBGH Gun Hill
BDH Highclere
BBSP Saint Philip

Cayman Islands
LCCY Blossom Village, Little Cayman
FSCY Frank Sound, Grand Cayman
GCM Grand Cayman
CBCY The Bluff, Cayman Brac
WBCY West Bay, Grand Cayman

Cuba
CCCC Cccc
CISC Cisc
GM- Guantanamo GM-CU
GM-CU Guantanamo
GTMO Guantanamo
GBC Guantanamo Bay
HOL Holguin
HLGC Holguin
LMGC Las Mercedes
MGV Manicaragua
MASC Masc
MOAC Moa
PINC Pinares de Mayari
RCC Rio Carpintero

Code	Station Name	Other
SABC	Sabc	
SOR	Soroa	
YAR	Yar	
Dominica		
BBL	Barber's Block	
DBCT	Belle View Chopil	
PSDMB	Cotton Hill	
DOM	Dominica	
MDPO	Dominica; Chance, Portsmouth	
MDMP	Dominica, Moore Park	
MDPV	Dominica, Pennville	
MDVC	Dominica, Vielle Case	
DFBT	Forest Bistro	
DGBT	Grand Bay	
DLPL	La Plaine	
DLVT	Layou Valley	
MDN	Morne-Daniel	
DPMT	Pointe Michel	
PSDMZ	Portsmouth	
DRTD	Roseau, Dominica	
DSLB	Salisbury	
DSHT	Scott's Head	
DSC	Scotts Head	
PSDMA	Soufriere	
DSVT	Soufriere Village	
DSTT	Stowe	
DTMT	Tete Morne	
DVDT	Valley Desolation	
DVCT	Vielle Casse Police Station	
DWS	Wesley	
Dominican Republic		
DR10	Alto Bandera	
BANI	BANI	
BRH1	Barahona	
LOBA1	Barahona	
ROBI	Boca de Chavon	
BON1	Bonao	
SNH1	Catey	
SDD09	Ceiba Bonita	
GUAY	Guayacanes	
SDD06	Hatillo	
HTM1	Hato Mayor	
HGY1	Higuey	
SAON	Isla Saona	
DR07	Jarabacoa	
JIDR	Jimani	
DR01	Juana Nunez	
DR1	Juana Nunez	DR01
DR06	La Diferencia	
DR6	La Diferencia	DR06
DR05	La Lomota	
DR5	La Lomota	DR05
DR11	La Yayitas	
SACA	Loma Carmona	
SDD01	Loma Colora	
SDD07	Loma El Cafe	
MAVI	Loma El Joboban	
SDD04	Loma El Mogote	
LOMO	Loma en Medio	
SDD03	Loma La Ceniza	
DR08	Loma La Naviza	
DR8	Loma La Naviza	DR08
SDD05	Loma Manaclilla	
DR12	Loma Pena Alta	
QUES	Loma Quita	
SDD02	Loma Siseviere	
SDD08	Loma Yayales	
MAO1	Mao	
DR4	Monte Llano	DR04
DR04	Monte Llano	
SDD10	Monte Rojo	
NADR	Nagua	
LOPE1	Pedernales	
DR09	Piedra Blanca	
DR03	Pinalito	
DR3	Pinalito	DR03
PPDR	Puerto Plata	
PUCA	Punta Cana	
PCDR	Punta Cana, DR	
SMN1	Samana, DR	
DR13	Sanchez	
SFM1	San Francisco de Macorix	
DR02	San Jose de las Matas	
SJM1	San Juan de la Maguana	
PUCM	Santiago	
SC02	Santiago aeropuerto	
SC01	Santiago de los Caballeros	
STDO	Santo Domingo	
SDD	Santo Domingo	
DR14	Sierra Prieta	
DR15	Siete Picos	
France		
Guadeloupe		
ABGF	Abri du Galion	
GABY	Abymes - Guadeloupe	
MAGL	Barre de l'ile, St louis, Marie Galante	
BTG	Basse Terre	
BCG	Bois Riant Capesterre	
LKG	Breislack	
CRG	Carmichael	
DOG	Dongo Capesterre	
ECG	Echelle	
CBE	F¨f¨, Capesterre Belles Eaux	
FNG	Fond-Bernard	
LZG	Guadaloupe-1	
PHG	Guadaloupe-2	
TBG	Guadaloupe-3	
H05N1	Guadeloupe/Martinique T-Phase Site N1	
H05S1	Guadeloupe/Martinique T-Phase Site S1	
HMG	Houelmont	
IAG	Institut Agronomique	
DEG	La Desirade	
GDSD	La D¨sirade Island	
ABD	La Joyeuse, Anse Bertrand	
GLMO	Le Moule	
PAG	Le Parnasse	
MGG	Marie-Galante	
MBG	Matouba	
MLG	Mont-d'or	
GDHS	Morne Mazeau, Deshaies	
MSGF	Morne Soldat	
PRGF	Pas du Roy	
GPTB	Petit Bourg	
GCPN	Pointe noire	
SEG	Port Louis	
RMGF	Ravine Marchand	
SCG	Saint Claude	
SFG	Saint Francois	
SSG	Sans Toucher	
TAG	Tarade	
TDBA	Terre de Bas, Les Saintes	
FBG	Trois Rivieres	
TVG	Trois Rivieres	FBG
Martinique		
ZAM	Aeronautique	
BVM	Bellevue	
BIM	Bigot	
PMCB	Calebasse	
CRM	Caravelle	
FDF	Fort de France	
GBMF	Grand Be	
ILAM	Ilet Lapin Martinique	
AIL	L'Aileron	
MVM	Montagne Vauclin	
MPM	Monte-Pele	
BAMF	Morne Balai	
MJM	Morne Jacques	
CXM	Morne La Croix	
LPMF	Morne Lapointe	
PML	Morne Lenard	
PAMF	Morne Pavillon	
MPOM	Morne Pois Martinique	
PAI	P Aileron	
PCM	Pelee Case Petit	
SVN	Savane Anatole	
TRMF	Trois Ilets	
Grenada		
GRCU	Cariacou	
GRE	Grenada	
GCMP	Grenada, Carriacou, Mt. Pleasant	
GRFF	Grenada Fort Frederick, Mt. Wheldale, St. Georges	
GRGR	Grenville	
GRIC	Isle de Caille	
GRW	Mount Saint Catherine	
MCG	Mt St Catherine	GRW
GRHS	Sauteurs	
GRSS	Sisters	
Haiti		
NQBME	Bureau des Mines et l'Energie	
NQWLB	Fermate	
JAKH	Jacmel	
WSYH	La Gonave Hosp	
LGNH	Le@15oga@12ne	
PEDR	Pedernales	
PAPH	Port-au-Prince	
SSM	Saint Martial	
NQUSE	US Embassy, Port-au-Prince	
Honduras		
Swan Islands		
SWA	Swan Island	
Jamaica		
BBJ	Bamboo Saint Ann	
BEV	Beverley	
BRJ	Black River	
BNJ	Bonny Gate	
CMJ	Castle Mountains	
CVJ	Coleyville	
GWJ	Greenwich	
HOJ	Hope	
HOP	Hope Bay	
KIN	Kingston	
MCJ	Malvern	
MBJ	Montego Bay	
MTDJ	Mount Denham	
NEJ	Negril	
NCJ	New Castle	
PAJ	Port Antonio	
PCJ	Portland Cottage	
PRJ	Port Royal	
RHJ	Red Hills	
SPJ	Spur Tree	
STH	Stony Hill	
YHJ	Yallahs	
Montserrat		
MBET	Bethel	
MJHT	Jackboy Hill	
MLYT	Lee's Yard	
MLGT	Long Ground	
MWI	Montserrat	
MVOV	Montserrat Volcano Observatory	
NVDO	Nevis, Disaster Management Department Office	
MGH	Saint George's Hill	
MSPT	Saint Patrick	
MBRY		MRYT
MBMH		
MBGB		
MGAT		MBGA
MDUM		
MBGE		
MRYT		
MBRV		
MBLG		MLGT
MBBY		
MBGA		
MBWH		
MBSS		
MCPZ		
Netherlands Antilles		
SABT	Saba	
SBN	Saba	
SABS	Saba	
SABA	Saba	
SABV	Saba, Juancho Airport	
SABQ	Saba, The Bottom	
SABW	Saba, Winward Side	
STAT	Sint Eustatius	
MRN	Sint Maarten	
SEUS	St. Eustatius	
SEUG	St. Eustatius G	
SEUH	St. Eustatius H	
SEUT	St. Eustatius T	
SKOC	St. Kitts, UWI Open Campus	
SMRT	St. Maarten	
STMA	St. Maarten, Airport	
Puerto Rico		
AGP	Aguadilla	
AGPR	Aguadilla, PR	
ABVI	Anegada Island	
APR	Arecibo	
AOPR	Arecibo Observatory	
PWP	Barrio Florida	
CRPR	Cabo Rojo, PR	
CAG	Caguas	
CGV	Camp Garcia	
CBYB	Canovanas	
CBYP	Canovanas	
CSJ	Cape San Juan	
CLLP	Cerrillos	
CELP	Cerrillos	
CDPB	Cerro de Punta	
CDP	Cerro de Punta	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CCA	Coamo	
CSB	Colonia Sabana	
HUMP	Col San Antonio	
CORN	Cornellia Hill	
CUP	Culebra	
CULB	Culebra	
CUPR	Culebra, Puerto Rico	
DOS	Dos Bocas Dam	
EYP	El Yunque	
EMPR	Esperanza - Manati, PR	
GBPR	Guanica, Bosque Seco, PR	
GCPR	Guaynabo City	
IGPR	InterUniversity Guayama PR	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICM	Isla Caja Muertos	
IDE	Isla Desecheo	
IMOB	Isla Mona	
IMO	Isla Mona	
IMR	Isla Mona	
LPR	La Peregrina	
LRS	Lares	
LSP2	Las Mesas	
LSP	Las Mesas	
MGPB	Maguayo	
MGP	Maguayo	
MLPR	Magueyes Island, Lajas, Puerto Rico	
MRCP	Maricao	
MPR	Mayaguez	
MOCA	Moca	
MCP	Moca	
MCAB	Moca	
IMPR	Mona Island, PR	
MTPB	Monte Pirata	
MTP	Monte Pirata	
MOV	Morovis	
MEP	Mte del Estrado	
OBIP	Obispado Ponce	
PDPR	Patillas Dam, Puerto Rico	
PNP	Penuelas	
PZ-PR	Ponce	
PON	Ponce	
PZ-	Ponce	PZ-PR
PTP	Ponta Puerca	
PORP	Portuguez	
PRSN	Puerto Rico Seismic Network	
QBPR	Quebradillas	
ROPR	Rincon, Puerto Rico	
RRP	Roosevelt Roads	
RRD	Roosevelt Roads	
SJG	San Juan	
SJP	San Juan	
SJGC	San Juan (W)	SJG
VQS	Vieques	
Saint Kitts and Nevis		
Nevis		
NVBH	Bath Hotel, Nevis	
NEV	Hard Times	
NVRH	Round Hill, Nevis	
St Kitts		
BSK	Brimstone Hill	
SKI	Saint Kitts	
STKP	Saint Kitts	
SKDB	Saint Kitts 2	
SKTB	Turtle Beach	
Saint Vincent and the Grenadines		
St Vincent		
SVL	Baleine	
BHS	Barnard House	
SVB	Belmont	
SSV	Crater Summit	
SFAN	Fancy Village	
FCV	Fort Charlotte	
SVG	Indian Gallows	
OHS	Orange Hill	
SOA	Owia	
RSV	Radio Antilles	
SRH	Rilland Hill	
SVT	Saint Vincent	
SVI	Saint Vincent	
SVV	Soufriere Volcano	
SVCV	St. Vincent, Congo Valley	
St Lucia		
BCHC	Barbados, Cave Hill Campus	
SLB	Belfond	
SLCP	Castries, St. Lucia	
SLDE	Delcer	
SLTA	Morne Tabac	
MCLT	Moule a Chique	
SLPA	Patience	
SLW	Petit Monier	
SLPE	Piton Saint Espirit	
SLI	Saint Lucia	
SLAC	Saint Lucia, Anse Canot	
SLBI	Saint Lucia, Bisee	
St Vincent		
SVOC	Richmond Hill, Kingstown, St. Vincent	
Trinidad and Tobago		
ALNG	Atlantic LNG	
BOT	Bacolet	
TBH	Brigand Hill	
BUAY	Buenos Aires	
TCE	Chacachacare	
TCHG	Chaguaramas	
GNG	Grange	
TTR	Matura	
PIG	Pigeon Point	
PLY	Plymouth	
TPP	Pointe-a-Pierre	
PLS	Point Lisas	
TPR	Prospect	
TPTC	Pt. Cumana	
SIH	Signal Hill	
SIPA	Siparia	
TOSP	Speyside	
TOB	Tobago	
TRN	Trinidad (W)	
TWMO	Westmoorings	
Turks and Caicos Islands		
GRTK	Grand Turk	
Virgin Islands		
ABV	Anegada	
CGPV	Cottongarden Point	
SCV	Saint Croix	
SCVI	Saint Croix	
SJV	Saint John	
STVI	Saint Thomas	
VST	Saint Thomas	
CDVI	St. Croix	
TBVI	Tortola	
VGVI	Virgin Gorda	
VGBI	Virgin Gorda, British Virgin Islands	
GPV	Virgin Gorda Peak	

CENTRAL AMERICA

Costa Rica		
ACAL	Aguas Claras	
AMAS	Alto Masis	
A492	Arado	
AR1	Arenal	
PACM	Arenal	
ARE1	Arenal 1	
AROL	Arenal Observatory Lodge	
BANL	Banca Lucia	
BATAN	Batan	
LAJ	Bijagual	
GPS3	Bodega del ICE en Pailas	
GB1A	Borinquen Arriba	
BUS	Buena Vista	
BUEV	Buena Vista	
BUAI	Buenos Aires	
EDBA	Buenos Aires	
CANG	Candelarita	
CDITO	Canoas	
AR7	Cape Frico	
CBLA	Cariblanco	
CMAQ	Casa M^¡quinas	
APPA	Casa M^¡quinas Las Pailas	
APGM	Casa M^¡quinas Miravalles	
CASL	Cascajal	
CASO	Castillo	
CASI	Castillo	
CDL2	Cedral	CDRL
CDRL	Cedral	
CERBA	Cerbatana	
ACR	Cerro Adams	
CDM	Cerro de Muerte	
CGAC	Cerro Gallo	
CGA2	Cerro Gallo 2	
AR6	Chiripa	
CHPA	Chiripa	
CAO	Cobano	
ICCO	Coco Island	
COLC	Colonia	
COCR	Colorado	
CTCR	Cotoan	
COVE	COVE	
A10	Crater	
CUI	Cuipilapa	
EDDO	Dominical	
2RIO	Dos Rios de Upala	
DUNO	DUNO	
DRK0	Durika	
PEZE	El Pocito	
A495	El Viejo	
SJS	Escuela Geologia	
EPA	Esparza	
FIBO	Fila Bonilla	
FICA	Fila Carbon	
LAPC	Finca la Perla	
GBS3	Finca Las Im^¡genes	
FORC	Fortuna	
GPS1	Guardaparques de Rinc^‡n de la Vieja	
TMIA	Guayabo	
MICM	Guayabo	
GUAB	Guayabo de Bagaces	
HAYA	HAYA	
HDC	Heredia	
HDC2	Heredia 2	
HDC3	Heredia 3	
HDC4	Heredia 4	
HORNC	Hornillas	
GPS2	Hotel Rinc^‡n de la Vieja Lodge	
HZTE	HZTE	
IDC	Isla del Cano	
ICO	Isla del Coco	
JCR	Jicaral	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JUD3	Juan Diaz 3	
JTS	JuntasAbangares	
CRZ1	La Cruz	
CRZC	La Cruz	

Code	*Station Name*	*Other*
LORF	La Fuente	
AR2	Lago de Cote	
CEDE	Laguna Cedeˆ–o	
LCR	La Lucha	
LCR2	La Lucha 2	
LLC	La Lucha Farm	
LARO	La Roca	
LARC	La Roca	
GBS2	Las Lilas	
EDLM	Las Mercedes	
LIBE	Liberia	
LNCR	Limon	
LIO	Limon	
LICR	Limon	
LIM1	Limonal	
LCH0	Los Chiles	
ACLS	Los Chiles	
LOLA	Los Lagos	
MESS	Mesas	
NICO	Nicoya	
AR8	Nicoya	
AR9	North	
OCM	Ochomogo	
EDPN	Palmar Norte	
PALO	Palomo	
PAL1	Palomo	
PLVR	Palo Verde	
A494	Palo Verde	
PTEN	Parque Tenorio	
PICA	Picada	
POA	Poas	
POA2	Poas 2	
POA5	Poas 5	
TERP	Poasito	
PTCR	Potenciana	
POCR	Potenciana 2	
PBO3	Pozo tres de Borinquen	
PUJ	Puerto Jimenez	
PTJ1	Puerto Jimˆnez	
MOIN	Puerto Moin	
PBC	Punta Burica	
PBNC	Punta Burica Nicaragua	
PSVT	Puntarenas	
PRS1	Puriscal	
QPSR	Quepos	
QPS	Quepos	
QCR1	Quepos	
QCR	Quepos	
RIOS	Rincon	
RIFO	Rio Frio	
RMCR	Rio Macho	
SDS	Sanatorio Duran	
SJR	San Jose	
A490	San Lazaro	
SPS	San Pedro Poas	
SRA	San Ramon	
SRA1	San Ramˆ‡n	
AR5	Santa Elena	
EDSV	San Vito	
SVTC	San Vito de Coto Brus	
SELF	Sixty Eight Flow	
AR4	Solania	
TCSO	Tacares	
TLLA	Tiendilla	
AR3	Tierras Morenas	
TIG	Tigre	
TIG2	Tigre 2	
TRTC	Tortuguero	
TRT1	Tortuguero	
TUI	Tuis	
NY14	Universidad de la EARTH en Liberia	
URSC	Urasca	
VBL1	Vara Blanca	
VENE	Venecia	
VCR	Vista de Mar	
VACR	Volcan Arenal	
IRZ	Volcan Irazu	
ICR	Volcan Irazu	
IRZ2	Volcan Irazu 2	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
RIN	Volcan Rincon	
RIN3	Volcan Rincon	
RIN2	Volcan Rincon	
VTUC	Volcan Turrialba	
VTR0	Volcan Turrialba	
VTU	Volcan Turrialba	
CVTR	Volcan Turrialba	
WARN	West Arenal	
BAR1		
El Salvador		
ADES	Adelaida	
AHU	Ahuachapan	
AYA	Ayagualo	
BLLM	Bellamira	
BOQS	Boqueron	
CAHU	Cacacuatique	
CTAS	Cauta	
CIGS	Centro de Investigaciones Geotecnicas	
CEVE	Cerro Verde	
UCHI	Chinameca	
COAS	Coatepeque	
COLS	Colinas	
CNCH	Conchagua	
CUS1	Cusmapa	
CUSS	Cusmapa	
MONT	Ecomontan@16a	
ANGS	El Angel	
LFRS	El Faro	
RTR	El Retiro	
HUES	Huehuecho	
LCND	La Caˆ–ada	
LCY	Lacayo	
LCBS	La Ceiba	
LFU	La Fuente	
LLGN	La Laguna	
LPS	La Palma	
LBRS	Las Brisas	
AIES	Las Flores	
GRDS	Las Granadillas	
NUBE	Las Nubes	
PAVA	Las Pavas	
LALZ	Loma Alta	
LGUZ	Los Guarumos	
MTO	Montecristo	
MTO3	Montecristo	
MTO2	Montecristo 2	
NANS	Nanahuazin	
NCS	Nueva Concepcion	
OJOS	Ojo de Agua	
UESV	Ojushtada	
PACA	Pacayal	
PMON	Piamonte	
PICS	Picacho	
QZA	Quezalapa	
RBDL	Robledal	
CEDA	San Andres	
SBLS	San Blas	
SJAS	San Jacinto	
SNJE	San Jose	
LOMA	San Marcos	
SANM	San Marcos	
SMIG	San Miguel	
VSM	San Miguel	
SSS	San Salvador	
CLUB	San Salvador	
UEES	San Salvador	
CUSC	San Salvador	
UESS	San Salvador	
UTEC	San Salvador	
OPAM	San Salvador	
UNIC	Santa Ana	
SJUZ	Santa Julia	
SDMZ	Santiago de Maria	
SDM	Santiago Maria	
SNVI	San Vicente	
SNET	Serv Nac Est Terr	
SONS	Sonsonate	
SOYA	Soyapango	
UDBS	Soyapango	
TACO	Tacachico	
TECA	Tecapa	
TCPZ	Tecapa	
TME	Tecomasuche	
VICT	Victoria	
VSS	Volcan San Salvador	
YPE	Yupe	
MUMZ		
SANZ		
Guatemala		
BVG	Bouganvilia	
BVA	Buena Vista	
CIM	Chimachoy	
APG	El Apazote	
FGO	Fuego	
FGO2	Fuego 2	
FUG	Fuego 3	
GCG	Guatemala City	
HUG	Huitzitzil	
ITG	Itzapa	
IXG	Ixpaco	
JAT	Jato	
JMG	Jumaytepeque	
JNJ	Junjel	
KJA	Kiajanaja	
KIK	Kika Raxquin	
KKG	Kukul	
LHG	La Concha	
CMG	La Cumbre	
CMG2	La Cumbre 2	
FLS	Las Flores	
NBG	Las Nubes	
LVG	La Victoria	
LTG	Los Tablones	
MMG	Magdalena	
MRL	Marmol	
MYT	Moyuta	
OCG	Ocos	
OC2	Ocos 2	
OLG	Olintepeque	
PCG	Pacaya	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
QZG	Quezaltepeque	
RDG	Rabinal	
REC	Recreo	
SBL	Sacbachol	
SXG	Sacranix	
SLP	San Antonio	
SJT	SanJuan Tecuaco	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SBG	Sibinal	
SLG	Sinonel	
TCG	Tacana	
TEP	Tecpan	
TP2	Tecpan 2	
TER	Terranova	
VLG	Velasquez	
YUP	Yupiltepeque	
ZIS	Zishin	
FG6		
Honduras		
CHUH	Cerro de Hula	
HLH	Cerro de Hule	
LHAH	Las Aradas	
LTH	Lepaterique	
SSU	San Pedro Sula	
TGUH	Tegucigalpa,Univ of Honduras	
UNAH	Universidad Nacional Autonoma de Honduras	
Nicaragua		
Managua		
HUEN		
CSAN		
ACON	Acoyapa	
ACY	Acoyapa	
AGUN	Aguas Calientes	
WILN	Americas 2	
APY	Apoyeque	
APYN	Apoyeque	
APON	Apoyo	
ASE	Aserradero	
BOA1	Boaco	
BOA	Boaco	
BOAB	BOACO BROADBAND	
CNGN	Cerro Negro	
CHIN	Chinandega	
CNR	Chonco	
COFN	Cofrada	
CONN	Concepcion	
COPN	Copaltepe	
COS	Cosiguina	
CSGN	Cosiguina Volcano	
CYN	Coyotepe	
CRUN	El Crucero	
ESTN	Esteli@15	
XAVN	Gruta Xavier	
JIG	Jinotega	
TISN	Laguna Tiscapa	
ESPN	Las Esperanzas	
LNB	Las Nubes	
BRAN	Las Pilas	
LEON	Leon	
LIY	Limay	
MGAN	Managua	
MCH	Masachapa	
MASN	Masaya	
MATN	Matagalpa	
MMO	Medio Mundo	
MIRN	Miramar	
MOCN	Mocoron	
MOBN	Mombacho	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOYN	Moyogalpa	
OME	Ometepe	
PYTN	Playitas	
PYT	Playitas	
PYN	Poneloya	
QUIN	Quiabu	
RTN	Rota	
CRIN	San Cristobal	
SSNN	San Juan del Sur	
SSN	San Juan del Sur	
RCON	San Juan de Rio Coco, Nicaragua	
SMCN	San Marcos	
SCRN	Santa Cruz	
SOMN	Somoto	
TELN	Telica	
TEL3	Telica 3	
TICN	Ticuantepe	
VER	Veracruz	
MADN	Villa Maderas	
Panama		
ACLA	Agua Clara, Sierra Llorona en Colsn	
APOP	Alto Boquete	
ACH	Altos	
AZU	Azuero	
BHP	Balboa Heights	
BRU	Baru	
BYN	Bayano	
JEF	Cerro Jefe	
CNI	Changuinola	
ECO	Colon	
ECO2	Colon	
DVD	David	
FRIJ	El Hiral	
FLAM	Flamenco Island	
FH-	Fort Sherman	FH-PM
FH-PM	Fort Sherman	
FTA	Fortuna	
IPE	Ipeti	
BCIP	Isla Barro Colorado	
LGT	Lagarterita	
LVS	La Villa de Los Santos	
UPD2	Meteti	
BASP	Panama	
AZU2	Pedasi@15	
PNME	Penonome	
PTP1	Petroterminal	
PINA	Piqa, Costa Abajo de Colsn	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
SFX2	San Felix	
UPD1	Univ de Panama	
UPA	Univ. de Panama@15	
BRU2	Volcan	
ZANG	Zanguenga, Chorrera	
UPIG		
TBS2		

EUROPE

Albania		
BCI	Bajram Curri	
BERA1	Berat	
BERA	Berati	
DURR	Durres	
ELBAS	Elbasan	
FIER	Fieri	
FRZ	Fierza	
HIMA	Himara	
TIR1	Institute of Geosciences in Tirana	
KMA	Kami	
KBN	Korca	
KKS	Kukesi	
LACI	Lac	
LSK	Leskovik	
PHP	Peshkopia	
POGR	Pogradec	
PRZA	Preza	
PUK	Puka	
QSH	Qafa e Shtames	
SRN	Sarande	
SDA	Shkodra	
TPE	Tepelena	
TIR	Tirane	
VLO	Vlora	
Alsace		
SZBH	soultz borehole - etangs GEIE	
Andorra		
PAND	Andorre	
ARBS	La Rabassa	
Austria		
ABTA	Abfaltersbach	
ARSA	Arzberg	
CSNA	Conrad Observatory	
CONA	Conrad Observatory	
DAVA	Damuels	
FETA	Feichten	
GHA	Glashutten	
GRA	Graz	
IBK	Innsbruck	
INN	Innsbruck	
KFA	Klagenfurt	
KBA	Koelnbreinsperre	
KMR	Kremsmunster	
LTA	Leoben	
MZA	Mariazell	
MOA	Molln	
MOTA	Moosalm	
OGA	Obergurgl	
OBKA	Obir	
PIA	Pitten	
RETA	Reutte	
SQTA	Sankt Quirin	
SCE	Schlegeis	
SOKA	Soboth	
MYKA	Terra Mystica	
VIE	Vienna	
VKA	Vienna	
WATA	Walderalm	
WTTA	Wattenberg	
Azores		
PAGU	Agualva, Azores	
PCAPE	Capelo, Faial	
PFCBR	Castelo Branco, Faial, Azores	
PTOPO	Topo S. Jorge	
Baden-Wurttemberg		
BURG	Albstadt-Tailfingen-Burg	
BABA	Baden-Baden-Neuweier	
BALG	Balingen, Zollernalbkreis	
BREI	Breisach am Rhein	
MSGN	Moessingen, Sulzgasse	
GALG	Neuhausen (Enzkreis), Galgenberg	
VOGT	Vogtsburg - Totenkopf, Kaiserstuhl	
Belarus		
NE54	Brest	
NE57	Homyel'	
MICGM	Minsk	
MNK	Minsk	
NACGM	Naroch	
NE53	Naroch'	
Belgium		
BBOU	Bougnies	
C01	C01	
C02	C02	
C03	C03	
C04	C04	
C05	C05	
C06	C06	
C07	C07	
C08	C08	
C11	C11	
C12	C12	
C13	C13	
C14	C14	
C16	C16	
C18	C18	
BCLA	Clavier	
BCES	Court-Saint-Etienne	
BDSL	Dessel	
NE06	Dourbes	DOU
DOU	Dourbes	
BEBN	Eben Emael	
BGES	Gesves	
GIP	Gileppe	
BHOU	Houvegnez	
BLCH	La Chartreuse	
BMRD	Maredsous	
MEM	Membach	
BMOL	Mol	
BOPT	Opiter	
BOST	Ostende	
RCHB	Rochefort	
BRQR	Ronquiˆ¤re	
BSTI	Sart Tilman	
SNF	Seneffe	
BSKQ	Steenkerk	
BTNL	Ternell	
UCC	Uccle	
WRM	Warmifontaine	
BZEV	Zevekote	
NE33		MEM
Bosnia and Herzegovina		
BLY	Banja Luka	
BLJ	Bijeljina	
DOB	Doboj	
HAPS	Han Pijesak,BIH	
MST	Mostar	
MRAK	Mrakovica	
MGRS	Mrkonjic Grad	
PRIJ	Prijedor	
RUDO	Rudo	
SAR	Sarajevo	
TRA	Travnik	
TREB	Trebinje	
Bulgaria		
AVR	AVREN	
KALB	Balgarevo	
RAZAM	Belene	
BLKB	Belogradchik	
DIM	Dimitrovgrad	
DOBAM	Dobrich	
ELND	Elena	
KKB	Krupnik	
KUBB	Kubrat	
KDZ	Kurdzhali	
KOZAM	Lom-Kozlod	
LOZB	Loznitsa	
MPEP	Malo Peshtene	
MNNAM	Montana	
MMB	Musomiste	
NEF	NEVSHA	
PGB	Panagyurishte	
PVL	Pavlikeni	
PLVB	Pleven	
PLD	Plovdiv	
PSN	Preselentsi	
PRD	Provadia	
RAZG	Razgrad	
ROIA	ROIAK	
RZN	Rozhen	
RUSAM	Ruse	
SHAB	Shabla	

Code	Station Name	Other
SILAM	Silistra	
SOF	Sofiya	
SZH	Strazhica	
VETAM	Veliko Turnovo	
PLVAM	Vidin	
VTS	Vitosha	
JMB	Yambol	
	Crete	
SFK2	Vouvas Sfakia	
	Croatia	
BRJN	Brijuni	
DBRK	Dubrovnik	
DBR	Dubrovnik	
DUGI	Dugi Otok	
DUOK	Dugi Otok	
HVAR	Hvar	
KALN	Kalnik	
KIJV	Kijevo	
LSTV	Lastovo	
MAKA	Makarska	
MORI	Morici	
MOSL	Moslavina	
NVLJ	Novalja	
OZLJ	Ozalj	
POL	Pola	
PTJ	Puntijarka	
RICI	Ricice	
RIY	Rijeka	
SEB	Sibenik	
SNJ	Sinj	
SISC	Sisak	
STON	Ston	
UDBI	Udbina	
ZAG*	Zagreb	
ZAG	Zagreb	
ZIRJ	Zirje	
	Czech Republic	
ANAC	Anensky vrch	
BERN	Bernov	
BVOC	Bila Voda	
BHC	Bohunice	
CKRC	Cesky Krumlov	
CHE	Cheb	
CHVC	Chvalec	
DPC	Dobruska-Polom	
GOPC	GO Pecny, Ondrejov, Czech Republic	
HAVC	Havirov	
JIND	Jindrichovice	
KACW	Kace¯ov	
KHC	Kasperske Hory	
KOCW	Kopaniny	
KRLC	Kraliky	
KRCW	Kraslice	
KVC	Kvetna	
LACW	Lazy	
LIPC	Lipinka	
LOSC	Losov	
LUBY	Luby	
LBCW	Luby	
KRUC	Moravsky	
MORC	Moravsky Beroun	
MUVC	Mutkov	
MUTC	Mutkov	
NKC	Novy Kostel	
OSTC	Ostas	
OKC	Ostrava-Krasne	
PVCC	Panska Ves	
POCA	Pocatky	
POCW	Po¯¡tky	
PRA	Prague	
PBCC	Pribram	
PRU	Pruhonice	
SKC	Skalna	
STCW	Studenec	
TREC	Trest	
TRCW	Trojmezˆ›	
UPC	Upice	
VAC	Vackov	
VACK	Vackovec	
JAVC	Velka Javorina	
VRAC	Vranov	
ZHC	Zelena Hora	
PRSC		
ZAPC		
CHOC		
LUTC		
	Denmark	
BSD*	Akirkeby	BSD
BSD	Bornholm Skovbrynet	
BFOD	Brorfelde Observatory, Denmark	
COP	Copenhagen	
GID	Gilleleje	
GOET	G??ttrup	
LLD	Lille Linde	
NE03	Logumkloster	
NE02	Monsted	
MUD	Monsted U'grnd	
T1BD	T1BD	
T2BD	T2BD	
T3BD	T3BD	
T4BD	T4BD	
T5BD	T5BD	
T6BD	T6BD	
T7BD	T7BD	
T801	T801	
T802	T802	
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T811	T811	
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T814	T814	
T815	T815	
T816	T816	
T817	T817	
T818	T818	
T819	T819	
T820	T820	
T899	T899	
T8MG	T8MG	
T998	T998	
T999	T999	
	England	
ELMS	Elmsett, Ipswich	
	Estonia	
ARBE	Arbavere	
MTSE	Matsula	
SRPE	Suurupi	
TRTE	Tartu	
TTU	Tartu	
VSU	Vasula	
	Finland	
AAL	Aland	
OBF1	El¨visluoto, Pyhˆjoki	
FA05	FA05	
FA06	FA06	
FA07	FA07	
FA08	FA08	
FA09	FA09	
FA10	FA10	
FA11	FA11	
FB03	FB03	
FB05	FB05	
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FB11	FB11	
FC03	FC03	
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FD03	FD03	
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FF02	FF02	
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FF32	FF32	
FF33	FF33	
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FF91	FF91	
FF92	FF92	
FF93	FF93	
FF94	FF94	
FG01	FG01	
FG02	FG02	
FG03	FG03	
FG04	FG04	
FG05	FG05	
FG06	FG06	
FG07	FG07	
FG08	FG08	
FG09	FG09	
FG10	FG10	
FG11	FG11	
FG12	FG12	
FG13	FG13	
FG14	FG14	
FH02	FH02	
FH03	FH03	
FH04	FH04	
FH05	FH05	
FH06	FH06	
FH07	FH07	
FH09	FH09	
FH10	FH10	
FH11	FH11	
FH12	FH12	
FH13	FH13	
FH14	FH14	
FINES	FINESS Array Beam Reference Point	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FJ01	FJ01	
FJ02	FJ02	
FJ03	FJ03	
FJ05	FJ05	
FJ06	FJ06	
FJ07	FJ07	
FJ08	FJ08	
FJ09	FJ09	
FJ11	FJ11	
FJ12	FJ12	
FK04	FK04	
FK05	FK05	
FK06	FK06	
FK07	FK07	
FK08	FK08	
FK09	FK09	
FK10	FK10	
FK11	FK11	
FKAF	FKAF	
FVAF	FVAF	
HEL	Helsinki	
HEF	Hetta	
JOF	Joensuu	
JOE	Joensuu	
KJF	Kajaani	
KJN	Kajaani	
OBF7	Kamusenperˆ, Kalajoki	
NE62	Kangasniemi	
KAF	Kangasniemi	
KU5	Karpankyla	
KU7	Kasma	
NE63	Kauhava	
OBF6	Kekajˆrvi, Ylivieska	
KEF	Keuruu	
KEV	Kevo	
KEV1	Kevo	
KIF	Kilpisjarvi	
KLF	Kolari	
KU8	KU8	
KU1	Kurvinen	
KU4	Liikasenvaara	
MSF	Maaselka	
OUF	Merijarvi	
MEF	Metsahovi	
NE61	Nurmija@14rvi	NUR
NUR	Nurmija@14rvi	
OUFX	Oulainen	
OLKF	Oulanka, Finland	
OUL	Oulu	
PVF	Pernaja	
PKK	Porkkala	
PRV	Porvoo	
PRF	Porvoo	
KU3	Posio	
RAF	Rauma	
KU6	Riekki	
RNF	Rovaniemi	
OBF3	Siikajoki	
SDF	Sodankyla	
SGF	Sodankyla@14	
SOD	Sodankyla@14	
SUF	Sumiainen	
OBF0	Syolatti, Pyhajoki	
KU2	Taivalkoski	
TOF	Tornio	
OBF8	Ulkokalla	
VRF	Varrio	
OBF5	Vihanti	
OBF4	Vikkela, Lumijoki	
VJF	Virojoki	
OBF2	Ylip¨, Raahe	
VAF	Ylistaro	
JYSA		
	France	
	Alsace	
BAF	Belacker	
CHAF	Chalampe	
CDF	Champ du Feu	
ECH	Echery	
GBF	Grand Ballon	
GWF	Grand Wintersberg	
HOFF	Hoffen	
LANF	Langenberg	
MOF	Molkenrain	
SMM	Ste Marie-Mines	ECH
STR	Strasbourg	
SRBF	Surbourg	
SUBF	Surbourg	
WLS	Welschbruch	
	Aquitaine	
ARH	Archignac	
NE10	Arette	
ATE	Arette	
ARTL	Arthez-de-Bearn	
BTH	Betharram	
BOH	Bohocortia	
CESL	Cescau	
LRVF	chˆ¢teau la Riviˆ¤re	
ELYF	Elaudy	
ESCF	Escot	
PYF	Esparros	EPF
EPF	Esparros	
ETSF	Etsaut	
ISSF	Issarbe	
JAU	Jaout	
LACL	Lacq	
USIL	Lacq-Usine	
LFF	La Frestale	
LAGL	Lagor	
LARF	Larrau	
NE09	Les Eyzies	
LHE	Lhers	
LDBL	Lucq-de-Bearn	
MADF	Madeleine	
MONL	Mont	
REYF	Montagne du Rey	
ONF	Office Forets	
OGE	Ogeu	
ORDF	Ordiarp	
OSML	Os-Marcillon	
OSSF	Osses	
SJPF	Ste Jean	
TERF	Tercis-les-Bains	
URDF	Urdˆ¤s	
	Auvergne	
ACDF	Aurillac	
BGF	Bois d'Agland	
NE16	Clermont-Ferrand	CFF
CFF	Clermont-Ferrand	
COLF	Collangettes	
PLDF	La Plantade	
LBL	Lubilhac	
MAF	Mazirat	
MZF	Mazirat	
PYM	Petit Puy Manson	
PDD	Puy-de-Dome	
AGO	Saint Agoulin	
	Basse-Normandie	
LDF	La Druitiere	
FLN	La Foliniere	
SSC	Saint Sauveur de Carouges	
	Bourgogne	
AVF	Avril sur Loire	
AVFP	Avril sur Loire	
GRC	Garchy	
LBF	Les Buteaux	
LOR	Lormes	
MLV	Malvaux	
POU	Pouilloux	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SMF	Signal de Mont	
	Bretagne	
BST	Brest	
LPF	Le Pertre	
QUIF	Quistinic	
RENF	Rennes	
ROSF	Rostrenen	
SGMF	Saint Gilles	
	Centre	
NE08	Aigurande	
CLF	Chambon-Foret	
HYF	Humbligny	
	Champagne-Ardenne	
MEZF	Maizieres J'ville	
RFYF	Reffroy	
RMSF	Reims	
SAVF	Savonnieres en Perthois	
SFTF	Sexfontaines	
	Corse	
AJAF	Ajaccio	
AJAC	Base Areonavale d'Aspretto	
CVF	Calvi	
CORF	Corte	
OSPF	L'Ospedale	
LURI	Luri	
MORSI	Morsiglia	
BONIF	Phare de Pertusato	
PGF	Pioggiola	
SMPL	Sampolo	
CHIF	Chize	
TURF	col de Turini - Moulinet	
D01	D01	
D50	D50	
D51	D51	
D53	D53	
PAGF	Fort de Pagny la Blanche C¨·te (52)	
FDAF	Les Forges d'Abel	
NAFE	NAFE	
MIOU	Port Miou	
STOF	St-Etienne Orgue	
EILF	Villa Eilenroc - Antibes	
	Franche Comte	
BSF	Ballon Servance	
BES	Besancon	
CNF	Cerre-les-Noroy	
CHMF	Charmoille	
OG05	Jujurieux	
CABF	La Chapelle	
LOMF	Lomont	
MDGS	Mont de Guillon, France	
ROF	Roppe	
VOU	Vouglans	
	Ile-de-France	
PAR	Paris	
NE07	Villiers-Adam	VDM
VDM	Villiers-Adam	
	Languedoc-Rousillon	
PERF	Col du Perthus	
FILF	Fillols	
LRDF	Laroque-de-Fa	
MTLF	Montolieu	
MTHF	Mouthoumet	
SJAF	Saint Jean de L'Alberes	
SMCF	Saint Martin du Canigou	
TRGS	Targassone	
TRBF	Trabuc cave	
VALF	Valcebollere	
VDCF	Villefranche	
	Limousin	
FRNF	Fournols	
LSF	La Souterraine	
NE18	Les Rejaudoux	RJF
RJF	Les Rejaudoux	
SER	Sermur	
TCF	Toulx Ste Croix	
VERF	Verneugheol	
	Lorraine	
BACF	Baccarat	
HAU	Haudompre	
HINF	Hinteralfeld	
THEF	They Montfort	
VITF	Vittel	
	Midi-Pyrenees	
BDB	Bagneres-Bigorre	
CAF	Calviac	
CARF	Carcanieres	
RESF	Ens	
ENSF	Ens	
FESP	Espira	
GRBF	Gourbit	
LABF	Labassere	
LPEF	Le Peyrat	
LPO	Le Pouchou	
LESF	Lescure	
LSPF	Lesparou	
PYLO	Lourdes	
MELF	Melles	
MONQ	Montcuq	
FMON	Montousˆ'	
MLS	Moulis	
FNEB	N¨'bias	
SALF	Salau	
VIEF	Viey	
	Nord-Pas-de-Calais	
BAIF	Baives	
DOMF	Dompierre	
GIVF	Givet	

Code	*Station Name*	*Other*
LIL	Lille	
Pays de la Loire		
GRR	Gorron	
LMF	Le Mans	
PIAC	Piriac/mer	
SGR	Segre	
Picardie		
MENF	Mencas	
Poitou-Charentes		
OLEF	Ile d'Oleron	
LCHF	La Chataigneraie	
LRYF	La Roche-sur-Yon	
MATF	Mathat	
PRYF	Perigny	
MFF	Saint Martin du Fouilloux	
Provence-Cote d'Azur		
OG22	Abries	
ANTF	Antibes	
ARBF	Arbois	
OGAG	Argentiere	
ARTF	Artigues	
ASPF	Aspremont	
AURF	Auriere	
BELV	Belvedere	
BERF	Bertagne	
OG15	Briangon	
CDR	Cadarache	
CAGN	Cagnes-sur-Mer	
CALN	Calern	
CALF	Calern	
CMF	Cannet Maures	
SAUF	ch^cteau de Saumane	
CHDN	Chaudanne	
CBBF	Combe Brimond	
SPIF	cr^"te de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-C^·te d'Azur	
CREF	Crivoux	
OGDI	Digne	
FLAF	Flassans-sur-Issole	
FOUF	Fouillouse	
GANF	Ganagobie	
GELF	Grande-Etoile	
ISO	Isola	
JAUF	Jausiers	
BSTF	la Bastide-des-Jourdans	
FRF	La Foret Royale	
LMR	La Mourre	
AUTN	L'Aution	
OG25	Le Caire	
BLAF	les Blancs	
ESCA	l'Escarene	
LRG	Lorgues	
LUCF	Luceram	
MAR	Marseilles	
MLYF	Mely	
MENA	Menton	
MBDF	Montbardon	
NICEF	Mont Chauve - France	
TOUF	Mont Tournerait	
MUIF	Mont Vial	MVIF
MVIF	Mont Vial	
NCER	Nice Cerbom	
NCAU	Nice, cimeti^¤re Caucade	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NPOR	Nice, Eglise du Port	
NALS	Nice, Jardin Alsace-Lorraine	
NLIB	Nice, Liberation	
NBOR	Nice, Mont Boron	
NROC	Nice, Saint-Roch	
PRAF	Pradon	
PUYF	Puyloubier	
LEPF	PUYLOUBIER	
REVF	Revere	
OG20	Riallon	
ROG	Rognes	
ROU	Rougiers	
RUSF	Rustrel	
OG21	Saint-Cripin	
STET	Saint-Etienne-de-Tinee	
OG19	Saint-Julien-en-Beauchene	
OG14	Saint-Maurice-en-Valgodemard	
SURF	Saint Ours	
SAOF	Saorge	
SMRF	Simiane la Rotonde	
ASEAF	Site Antares, Toulon	
SBF	Sospel	
SLAF	St Laurent du Var	
SPF	St-Paul-en-Foret	
TAVF	Tavernes	
TREF	Trevaresse	
TRIGF	Trigance	
VILF	Villemus	
Rhone-Alpes		
OG18	Albannette	
OG24	Aussois	
BROM	Bains de Bromines	
BOF	Bonneval	
OG32	Castellane	
OG13	Choranche	
OG16	Combovin	
OG08	Commelle	
OG35	Corcelles	
OG29	Digne	
OGMO	Fort Saint-Gobain, Modane	
GDM	Grand'Maison	
GGF	Granges-Gontardes	
GRN	Grenoble	
GRN*	Grenoble	
OG28	Izon-la-Bruisse	
OG04	La Clusaz	
LNS	Lanslevillard	
LPG	La Plagne	
LPL	La Plagne	
OG27	Meolans	
OG02	Monnetier-Mornex	
OG11	Montagny	
MNY	Monteynard	
OG06	Moye	
OG34	Musihges	
ORIF	Oris-en-Rattier	
PCHF	Pas de la Coche	
OG17	Prunihres	
RSL	Roselend	
OG33	Roure	
OG07	Sainte-Reine	
OG10	Saint-Etienne-de-Cuines	
VIVF	Saint-Julien-le-Roux	
OGSM	Saint Maurice de Rotherens	
OCF	Saint Nazaire	
SSB	Saint Sauveur en Rue	
OG09	Saint-Thibaud-de-Couz	
OG03	Samoens	
OGSI	Sixt	
SOU	Souberoche	
LASF	Ste Croix	
OG26	St.-Nazaire-Desert	OCF
OG23	Tende	
OG01	Vacheresse	
OG12	Villaroger	
OG30	Villeneuve d'Entraunes	
Franche Comte		
BOUC	Bouclans	
RIVEL	MONT RIVEL	
RONF	Ronchamp	
FYR Macedonia		
BELI	Belica	
BIA	Bitola	
KAY	Katlanovo	
KOZJ	Kozjak Brana	
KRUS	Krusevo	
LIP	Lipkovo	
MYG	Matka	
KPJ	Monastery St. Joachim Osogovski	
OHR	Ohrid	
SAMO	Samokov	
SKO	Skopje	
STIP	Stip	
VAY	Valandovo	
Germany		
Baden-Wurttemberg		
BUCH	Bad Urach	
BEU	Beuren	
BFO	Black Forest	
BHBD	Braunhartsberg	
BREM	Bremgarten	
BRET	Bretten	
BUH	Buhlerhohe	
EFR	Efringen	
ENDD	Endenburg	
ENGD	Engstlatt	
ERPF	Erpfingen	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FBB	Freiburg im Breisgau	
FWS	Furtwangen	
GUT	Gutenstein	
HSND	Hausen	
HEI	Heidelberg (Koenigstuhl)	
HDH	Heidenheim-Charlottenhoehle	
HOH	Hohenheim	
HTN	Hohentengen	
HUN	Hundersingen	
JUND	Jungingen	
KRL	Karlsruhe	
KRW	Karlsruhe West	
KIZ	Kirchzarten	
BERGE	Lenzkirch (DE)	
LBG	Lerchenberg	
LIBD	Limburg	
LOES	Loerrach-Stetten	
MSS	Messtetten	
METMA	Mettma DE	
MSG	Moessingen	
NEI	Neipperg	
OFBG	Offenburg	
OPP	Oppenau	
RAV	Ravensburg	
SWS	Schriesheim-Wilhelmstollen	
SGW	Sigmaringen-Wittberg	
SIND	Sindeldorf	
SISB	Singen-Schiener Berg	
SPAK	Spaichingen-Kochelsberg	
STAB	Staufenbuehl	
STAU	Staufen im Breisgau	
STU	Stuttgart	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
UBR	Ueberruh	
WEIL	Weil am Rhein	
WYH	Wyhlen	
Bayern		
ALTM	Altmuhljura-Amtmannsdorf	
BHG	Bad Reichenhall	
BGLD	Berchtesgaden	
CHKA	Cham-Katzbach	
FALK	Falkenberg	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
FUR	Furstenfeldbruck	
GAPA	Garmisch-Partenkirchen	
GAP	Garmisch-Partenkirchen	
PART	Garmisch-Partenkirchen	
GERES	GERESS Array Beam Reference Point	
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GG-GR	Grafenberg	
GRFO	Grafenberg	
GG-	Grafenberg Ar.	GG-GR
SB-	Grafenberg Ar.	GRF
GRF	Grafenberg Array	
GRA3	Grafenberg Array	
GRA2	Grafenberg Array	
GRB1	Grafenberg Array	
GRB4	Grafenberg Array	
GRC1	Grafenberg Array	
GRC4	Grafenberg Array	
GRC2	Grafenberg Array	
GRA1	Grafenberg Array	GRF
GRC3	Grafenberg Array	
GRB3	Grafenberg Array	
GRB5	Grafenberg Array	
GRA4	Grafenberg Array	
GRB2	Grafenberg Array	
MGBB	Grossbuechelberg	
MHAI	Haid-Arzberg	
RHAM	Hammer	
HOF	Hof	
HROE	Hohe Rhon--Flad	
RJOB	Jochberg	
MANZ	Manzenberg	
RMOA	Moar Alm	
MNH	Munich	
NAPF	Napfberg	
RNHA	Neuhaus	
NORI	Noerdlinger Ries-Bissingen	
RNON	Nonn-Bad Reichenhall	
NRD	Nordlingen	
NOTT	Nottersdorf	
OBER	Oberstdorf	
MROB	Rosenbuehl-Arzberg	
ROTZ	Rotzenmuhle	
MSBB	Schoenbrunner Berg-Wunsiedel	
VIEL	Selb-Vielitz	
WET	Wettzell	
RWMO	Wildenmoos	
MZEK	Zeckenberg-Ebnath	
Berlin		
BRN	Berlin	
BRL	Berlin--Free University	
BRNL	Berlin--Lankwitz	
Brandenburg		
POT	Potsdam	
A01	A01	
A02	A02	
A04	A04	
A05	A05	
A06	A06	
A07	A07	
A08	A08	
A09	A09	
A10E	A10E	
A11E	A11E	
A12	A12	
A13	A13	
A14	A14	
A15	A15	
A16E	A16E	
A17	A17	
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A20	A20	
A21E	A21E	
A33	A33	
A50	A50	
A51	A51	
A52	A52	
A53	A53	
A54E	A54E	
A70	A70	
A71	A71	
A72	A72	
A80	A80	
A82	A82	
A83	A83	
A84	A84	
A85	A85	
ASSE	Asse, Remlingen/Germany	
B01	B01	
B02	B02	
B03	B03	
B04	B04	
B05	B05	
B06	B06	
B07	B07	
B08	B08	
B09	B09	
B10	B10	
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B33	B33	
B34	B34	
B35	B35	
B36	B36	
B37	B37	
B38	B38	
B39	B39	
B40	B40	
B41	B41	
B42	B42	
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B70	B70	
B71	B71	
B72	B72	
B73	B73	
B74	B74	
B75	B75	
B82	B82	
FLTG	Flechtingen	
GORE	GORE	
GTTG	Gvttingen	
LAGB	Langenfeld Grube Bendisberg	
LENE	LENE	
MLFH	Mildenfurth	
MILB	Miltenberg	
RUE	Ruedersdorf	
T10G	T10G	
T11G	T11G	
T12G	T12G	
T13G	T13G	
T14G	T14G	
T15G	T15G	
T16G	T16G	
T17G	T17G	
T18G	T18G	
T19G	T19G	
T1BG	T1BG	
T1MG	T1MG	
T21G	T21G	
T22G	T22G	
T24G	T24G	
T25G	T25G	
T26G	T26G	
T27G	T27G	
T28G	T28G	
T29G	T29G	
T2BG	T2BG	
T2MG	T2MG	
T30G	T30G	
T31G	T31G	
T32G	T32G	
T33G	T33G	
T34G	T34G	
T35G	T35G	
T36G	T36G	
T37G	T37G	
T38G	T38G	
T39G	T39G	
T3BG	T3BG	
T3MG	T3MG	
T40G	T40G	
T41G	T41G	
T42G	T42G	
T43G	T43G	
T45G	T45G	
T46G	T46G	
T48G	T48G	
T49G	T49G	
T4BG	T4BG	
T50G	T50G	
T51G	T51G	
T52G	T52G	
T53G	T53G	
T54G	T54G	
T55G	T55G	
T5BG	T5BG	
T60G	T60G	
T61G	T61G	
T6BG	T6BG	
T6MG	T6MG	
T7BG	T7BG	
T7MG	T7MG	
T9BG	T9BG	
TBBG	TBBG	
HES	Velbert-Hespertal	
Hamburg		
HAM	Hamburg	
Hessen		
GWBC	Aumenau	
WBH	Biblis	
WBG	Bieber	
WBB	Darmstadt	
ESP	Espenschied	
WBA	Furth	
HAT	Hattorf	
JUG	Jugenheim	
WBD	Lorch/Rhein	
GWBF	Romrod	
TNS	Taunus Mts	
TOD	Tromm	
UBBA	Unterbreizbach	
GWBE	Wiesbaden	
Mecklenburg-Vorpommern		
LID	Liddow	
RGN	Rugen	
Niedersachsen		
CLZ	Clausthal	
GTT	Gottingen	
NRDL	Niedersach Riedel	
RETH	Rethem/Aller, Germany	
Nordrhein-Westfalen		
BA01	Aachen	
AAC	Aachen	
BAHL	Ahlen	
BAVN	Auguste-Victoria Mine North	
BA12	Beaesweiler	
BNS	Bensberg	
BA09	Bensberg	
BEG	Bergheim	

Code	Station Name	Other
BD01	Bergheim Laurentius Kirche	
NE35	Billerbeck	
BOC	Bochum	
NE36	Bochum	
BUG	Bochum--University	
BD11	Borschemich	
BD12	Bourheim	
CLG	Cologne	
BA08	Dellbruck	
DREG	Dreilaegerbach Talsperre	
BA11	Duren	
ENTS	Ennepetalsperre	
BA04	Fiesheim UWZ	
BA17	Glehn	
GSH	Grosshau	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD08	Hambach Funkstation	
HMES	Hamm, Michael-Ende-School	
BA15	Heimerzheim	
HRH	Heinrich-Robert Mine	
BA13	Heinsberg	
BZER	Hlnxe	
BD09	Hochneukirch	
HOBG	Hohbusch	
HOK	Hohkeppel	
BA06	Horem	
BHXE	Hunxe	
IBBE	Ibbenbueren East	
IBBS	Ibbenbueren South	
IBBN	Ibbenburen	
BD13	Immerath	
JCK	Jackerath	
JUE	Julich	
KLL	Kalltalsperre	
BA10	Klein Altendorf	
BA19	Koln Dom Grabung	
BA26	K¯¶ln Uni	
BA07	Koln University	
NE39	Krefeld	
BD14	Kuckum	
LAUG	Laupendahl	
MEC	Mechernich	
NE34	Mettingen	
BD03	Millendorf	
MWG	Munster	
OLFT	Oleftalsperre	
BD10	Pesch	
PLH	Pulheim	
BRHE	Rheinberg	
RPM	Rheinpreussen Mine	
RODG	Roetgen-Dahlheim	
BD07	Roetschberg	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BULI	Ruhr-University Bochum - Language Institute	
BSHA	Ruhr-University Bochum- -Staatshockbauamt	
BTEZ	Ruhr-University Bochum--Technical Center	
BA05	Sindorf	
SORT	Sorpetalsperre	
STB	Steinbach	
BA18	Steinbach	
BA02	Stolberg	
BD02	Tagebau Bergheim	
BD15	Terra Nova	
TDN	Todenfeld	
BA16	Vanikum	
WBS	Wahnbachtalsperre	
RWB	Wassenberg	
BA03	Weissweiler	
BA14	Wollersheim	
NE41	Zyfflich	
Rheinland-Pfalz		
ABH	Alteburg	
AHRW	Bad Neuenahr-Ahrweiler	
BIW	Bindweide	
BLI	Bleialf	
BGG	Burgeitz	
DUP	Duppenweiler	
FACH	Fachingen	
HILG	Hillesheim	
FSH	Hochheid	
NAST	IGS Nastaetten	
IMS	Imsbach	
KTD	Kalmit	
KOE	Koeppel	
PEB	Petersbachel	
PIR	Pirmasens	
RIVT	Riveris	
RUP	Ruppelstein	
BHE	Schloss Buerresheim	
LOH	Wallersheim-Loch	
Sachsen		
BRG	Berggiesshubel	
CLL	Collm	
FBE	Freiberg	
GUNZ	Gunzen	
LEI	Leipzig	
MULD	Muldenberg	
TRIB	Obertriebel	
ROHR	Rohrbach	
SCHF	Schoenfels	
TANN	Tannenbergsthal	
WERD	Werda	
WERN	Wernitzgruen	
WUET	Wuestenhain	
Sachsen-Anhalt		
HLE	Halle	
NEUB	Neuenburg	
WIMM	Wimmelburg	
Schleswig-Holstein		
BSEG	Bad Segeberg	
HLG	Helgoland	
Thuringen		
CRUX	Bergwerk Schwarze Crux	
CHRS	Christianenhaus	
HKWD	Heukewalde	
HWTS	Hohenwarte Talsperre	
JEN	Jena	
KBDG	Kleinbodungen	
ABG1	Leinawald	
GRZ1	Mausoleum Waldhaus Greiz	
MODW	Modelwitz	
MOX	Moxa	
PLN	Plauen	
POSS	Possen	
SCHD	Schmiedefeld	
SON	Sonneberg	
ZEU	Talsperre Zeulenoda	
TAUT	Tautenburg	
THWA	Th^…ringer Wald Luisenthal	
LEIB1	TS Leibis	
VITZ	Vitzeroda	
WESF	Westfeld	
ANNA	Wolkenburger Bergbaurevier	
Greece		
Crete		
AGN1	Agios Nikolaos	
IDI	Anoyia	
ARK1	Arkalochori	
CHAN	Chania	
CH01	Chania	
CH02	Chania	
FODE	Fodele	
GVD	Gavdhos	
GAVD	Gavdhos	
GVDS	Gavdos	
GOR1	Gortina	
HRKL	Herakleio	
HER1	Herakleio	
HER2	Herakleio	
HER3	Herakleio	
IACM	Heraklion	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
FRMA	Ierapetra Chania	
THT2	Imerovigli	
KLMT	Kalamata	
KLDN	Kaloudiana Chania	
KARN	Karanos	
KRPT	Karpathos	
KSTL	Kastelli Heraklio	
KERA	Keramoti	
XRY	Khrisi	
KIS1	Kissamos	
KOSK	Kos Island	
KRIS	Kristallenia	
KTHR	Kythira	
LAST	Lasithi	
APEZ	Moni Apezanon	
NPS	Neapolis	
KNDR	Palaiochora Chania	
PLC1	Palaiochora Chania	
PRNS	Prines Rethymno	
RTH1	Rethymnon	
RODP	Rodopos	
SFK1	Sfakia	
SIT2	Siteia	
STIA	Sitia Lasithi	
SIVA	Sivas	
SKOR	Skordalos	
AKRT	Stavros Akrotiri	
CH03	Technical University Creta	
TMBK	Timbaki Heraklio	
VAM	Vamos	
ZKR	Zakros	
ACOR	Acrocorinthos	
VAG	Aggia Anna	
MHLO	Agia Marina, Milos Island	
AGT1	Agia Thekli	
AXAR	Agios Charalampos	
EFSA	Agios Efstratios	
AGG	Agios Georgios	
AGEO	AgiosGiorgios, Aigialia, West Greece	
AIOA	Agios Ioannis, Aigialia, West Greece	
ANS1	Agios Nikolaos Laconias	
DYR	Agios Nikonas	
AGRP	Agrapidokambos, Nafpaktia, West Greece	
AGR2	Agrinio	
AGR3	Agrinion	
AIA1	Aiani, KOZANI	
AIG2	Aigio	
AIG4	Aigion	
AIG1	Aigion	
AIG3	Aigion	
AKR1	Akrata	
ALN	Alexandroupolis	
ALX2	Alexandroupolis	
ALIK	Aliki, Aigialia, West Greece	
ALNA	Alonissos	
AOS	Alonnisos	
AML1	Amfilochia	
AMOR	Amorgos	
AMGA	Amorgos Island	
ANAF	Anafi Island	
KFL	Anninata	
ANX	Ano Chora	
ANKY	Antikythira Island	
APE	Apeiranthos	
APER	Aper	
AXS	Araxos	
ARX	ARAXOS	
AOL1	Archaia Olimpia	
ARE2	Areopolis	
ARS1	Argos	
ARG2	Argostoli	
KER02	Argostoli (Greece)	
KES22	Argostoli (Greece)	
KES18	Argostoli (Greece)	
KES02	Argostoli (Greece)	
KES16	Argostoli (Greece)	
KES04	Argostoli (Greece)	
KES06	Argostoli (Greece)	
KES08	Argostoli (Greece)	
KES11	Argostoli (Greece)	
KES13	Argostoli (Greece)	
KES14	Argostoli (Greece)	
KES29	Argostoli (Greece)	
KEF2	Argostoli. Kephalonia	
ARGA	Argostoli. Kephalonia	
ARG	Arkhangelos	
RHD	Arkhangelos	ARG
ARN1	Arnaia	
ART2	Arta	
AMT	Artemida-Makistos	
AST1	Astakos	
ATAL	Atalanti	
ATU	Athens Obs.	ATH
ATH	Athens Observatory	
ATH5	Athens Parliament	
ATHU	Athens University	
THT1	Athinios (Pelekanos)	
PLN1	Chaniotis	
CHV1	Chavriata, Kefallonia	
CHOS	Chios island	
CMBO	Columbo, Santorini Isl.	
DMLN	Damoulianata-Kefalonia-Greece	
DLFA	Delphi	
DVI	Derveni	
DSF	Desfina	
DESF	Desfina	
DID	Didima	
DIDY	Didyma	
DIMT	Dimitropoulo, Aigialia, West Greece	
DION	Dionisos Attiki	
DDN	Dodoni	
DRAG	Dragano-Lefkada	
DRA2	DRAMA	
DRO	Drossia	
EDE1	Edessa	
EFP	Efpalio	
ITS1	Elaiones	
EPID	Epidavros	
EREA	Eretria	
ERET	Eretria	
VTH	Erithrai	
EVR	Evrytania	
EXG	Exogi	
PIR2	Faliron Pireas	
VFI	Filaki	
THR7	Fira-Santorini	
FSK	Fiskardo	
FNA	Florina	
FLO1	Florina	
FLO2	Florina	
SFIR	Foira Santorini	
KEFOR	Forestry Corps, Argostoli (Cefalonia, Greece)	
FYTO	Fytoko, Volos	
RGE1	Gennadi, Rhodes Island	
MGER	Gerania Oros	
SNT1	Gialos, Santorini	
GIA1	Giannitsa	
VGL	Glafira	
GOU1	Goumenissa	
GUR	Goura	
GRE3	Grevena	
GRG	Griva	
GTH2	Gythion	
HORT	Hortiatis	
YDRA	Hydra	
IER1	Ierissos	
IGT	Igoumenitsa	
IGM2	Igoumenitsa	
IOSP	Ios island	
ITE1	Itea	
ITC1	Ithaki	
ITHO	Ithomi	
ITM	Ithomi	
JAN	Janina	
JAN2	Jannena	
JAN3	Jannena	
KLR1	Kalamaria	
KAL3	Kalamata	
KLV1	Kalavrita	
KLV	Kalavryta, Achaia	
KALE	Kalithea	
RKL1	Kallithies, Rhodes Isl.	
KMV1	Kammena Vourla	
KEF1	Kardakata, Kephalonia	
KEF5	Kardakata, Kephalonia	
KRL1	Karlovasi Samou	
KARP	Karpathos	
KAP	Karpathos	
SAP2K	Karterados	
SNT3	Karterados, Santorini	
KARY	Karystos	
KASA	Kassiopi	
KSS1	Kassos Island	
KTI	Kastanea	
KSL	Kastellorizon	
KAS2	Kastoria	
KSO	Kastoria	
KAT1	Katerini	
KAC1	Kato Achaia	
VRS	Kato Vasiliki	
RKT1	Kattavia Rhodes Isl.	
KAVA	Kavala	
KVLA	Kavala	
KVR	Kavouri	
KNT	Kendrikon	
KRI1	kERI	
KRK1	kERKIRA	
KEK	Kerkira	
XIO	Khios Island	
KIF1	Kiffisia	
KIL1	Kilkis	
KEF3	Kipouria, Kephalonia	
KPRO	Kipourio	
MKIT	Kithairon Oros	
KYTH	Kithira	
KMT1	Komotini	
KONA	Konidatara, Kephalonia	
KNS1	Konitsa	
KNS	Konitsa	
KOR2	Korinthos	
KOS1	Kos Island	
KOUM	Koumaradei	
KZN	Kozani	
KOZ2	Kozani	
KRND	KRANIDI	
KYM1	Kymi	
KYMI	Kymi, Euboea Island, Greece	
MES3	Kyparissia	
KYP2	Kyparissia	
KTHA	Kythira Island - Agia Moni	
LSM0	Laboratory Soil Mechanics	
LSM1	Laboratory Soil Mechanics	
LGD1	lAGKADAS	
LMS2	Laimos Florinas	
LAKA	Lakka	
LRSO	Larissa Observatory	
LKD2	Lefkada island	
EVGI	Lefkada island	
LEF2	Lefkas	
LEO1	Leonidio	
LKD	Levkas	
LOS	Limnos	
LIA	Limnos Island	
RLN1	Lindos, Rhodes Isl.	
LTHK	Lithakia	
LIT	Litokhoron	
KEF4	Livadi, Kephalonia	
LXR1	Lixouri, Cephalonia isl., Greece	
LXRA	Lixouri, Kephalonia	
LKR	Lokris	
LTK	Loutraki	
LOUT	Loutraki	
LTRA	Loutraki	
TMU2	Macedonia Univ,	
MG00	Magoula, Dorida, Central Greece	
MAKR	Makrakomi, Fthiotida	
MALA	Malamata, Dorida, Central Greece	
MAMO	Mamousia	
VMA	Markates	
MRKA	Markates	
MRMA	Marmari	
MGP1	Megalopolis	
MGNA	Meganis¸„	
TMN1	Menemeni	
MSL1	Messolongi	
MES2	Methoni	
MEV	Metsovon	
MHL	Milos	
LMN1	MIRINA LIMNOU	
MNVA	Monemvasia	
MOS1	Moschato	
MYT1	Mytilini	
NFP	NAFPAKTOS	
NAX1	Naxos Island	
NHR1	Nea Herakleia	
VOL3	Nea Ionia, Volos	
SNT5	Nea Kammeni, Santorini	
NPS1	Neapolis Laconias	
NMA1	Nemea	
VNE	Neochorion	
NEO	Neokhori	
NEST	Nestorio	
NVR	Nevrokopi	
NISR	Nisiros	
NAIG	Nisos Aigina	
NSAL	Nisos Salamina	
NIS4	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS1	Nisyros Isl.	
NIS3	Nisyros Isl.	
NYDR	Nydri-Lefkada	
OUR	Ouranopolis	
DSL	Palaion Diasellon	
PLR1	Paliouri	
PAIG	Paliouri	
PAN1	Panorama	
PANR	Panormos, Dorida, Greece	
PRK	Paraskevi	
PVO	Paravola	
RGA	Parga	
MPAR	Parnis Oros	
PAT4	Patras	
PAT	Patras	
VPA	Pavliani	
PENT	Pentalofos	
PTL	Penteli	
PER1	Peristeri Attica	
PSDA	Pessada-Kefalonia	
PET1	Petalidi	
PLA1	Pilaia Thessaloniki	
PIR3	Pireas	
PIR1	PIREAS,	
MHLA	Plaka, Milos Island	
VIL2	Platees	
POL1	Poligiros	
PLG	Polygyros	
KYT1	Potamos Kythira	
PRE2	Preveza	
PDO	Prodromos	
PROD	Prodromos	
PSRA	Psara	
PSARO	Psaromita, Dorida	
PSA1	Psathopyrgos	
PTO1	PtolemaidA	
PYL2	Pylos	
PYL	PYLOS	
PYR2	Pyrgos	
PYR3	PYRGOS	
PYRG	Pyrgos, Dorida, Greece	
PRF2	Region of Thessaloniki	
RHO	Rhodes	
RPN1	Rhodes Hospital	
RDI1	Rhodes Town Hall	
RLS	Riolos of Patras	
PAT5	Rio Patras	
RDO	Rodhopi	
RODI	Rodini	
ROD3	Rodini, Patras, West Greece	
SGD	Sagiada	
SMS	Samos	
SMG	Samos	
SMTH	Samothraki Island	
SANT	Santorini	
SAP1	Santorini-Akrotiri	
THR9	Santorini-Faros Akrotiriou	
THR8	Santorini-Monolithos	
SAP4	Santorini-Oia	
SAP3	Santorini-Thirassia	
SPP1	Sappes Rodopi	
SAR1	Sarti	
SELA	Sela	
SERG	Sergoula	
SERI	Serifos	
SRS	Serrai	
SRS1	Serres	
SIA1	Siatista	

Code	*Station Name*	*Other*
SGR1	Siggri Mitillinis	
SIGR	SIGRI	
SMIA	Simia	
VSI	Simia	
SKIA	Skiathos	
SKY	Skiros Island	
VSK	Skopelos	
SKO1	Skopelos Island	
SKY1	Skyros Island	
SOH	Sokhos	
RSO1	Soroni, Rhodes Isl.	
SFL1	Soufli	
STV1	Stavros	
STL1	Stavrpu;p[is Thessaloniki	
SFD	Strofades	
STAX	Taxiarchis Harbor, Nea Kameni, Santorini Island.	
TEME	Temeni, Aigialia, West Greece	
THAL	Thalero	
THAS	Thassos island	
THS1	Thassos, Thassos Island	
THR1	Thera Island	
THE	Thessaloniki	
SEIS	Thessaloniki	
AMK1	Thessaloniki Airport	
THE6	Thessaloniki CITY Hotel	
TEK1	Thessaloniki EKO Refinery	
LIB1	Thessaloniki Library	
PRF1	Thessaloniki Prefecture	
PRF0	Thessaloniki Prefecture D.H.	
THE7	Thessaloniki sewage pipe	
STA0	Thessaloniki S.S. Downhole	
STA1	Thessaloniki S.S. Downhole	
THR6	Thira Island, Akrotiri	
THR5	Thira Island, Kera	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR2	Thira island, Vourvoulos	
THV2	THIVAI	
TNSA	Tinos	
TRAZ	Trapeza	
TRP1	Tripolis, Arkadia	
TRIZ	Trizonia	
TSLK	Tsoukalades, Lefkada island	
UPR	University Campus, Patras University	
VLS	Valsamata	
VAR2	Vartholomio	
VSK1	VASILIKIADES	
VSL1	Vassilika	
VSK2	Vassilikiades, Cephalinia Isl.	
VAS2	Vassiliki, Lefkas Island	
SMG1	Vathi Samos	
VLI	Veliai	
VER2	Veroia	
VIL1	Vilia, Western Attica	
VILL	Villia	
VTN	Vitineika	
VLX	Vlachokerasia	
SNT2	Vlychada, Santorini	
VOL	Volimes	
VLMS	Volimes, Zakynthos	
VOL2	Volos	
VVK	Vomvokou	
VLY	Voula,Athens	
VRO1	Vrontados, Chios Island	
VNG	Vunargo	
XAN2	Xanthi	
XOR	Xorichti	
ZAK2	Zakynthos	
ZKS	Zakynthos	
ZAN	Zante	
ZIRI	Ziria, Aigialia, West Greece	
Thessaly		
FRS1	Farsala	
THL	Klokotos Trikala	
LAR4	Larissa	
LAR5	Larissa	
Hungary		
AMBH	Ambrˆ‡zfalva	
RHK1	Bakonya	
RHK2	Bata	
BEHE	Becsehely	
BKE	Bekescsaba	
BSZH	Besenyszˆ¶g	
PKS6	Bocsa	
BUD	Budapest	
PKSC	Csakvar	
CSKK	Csˆ‡kako	
DEB	Debrecen	
GYL	Gyula	
JOS	Josvafo	
KAL	Kalocsa	
PKS2	Kecel	
KEC	Kecskemet	
PKS7	Kunszentmiklos	
LTVH	L¨tav¨rtes, Hungary	
MPLH	Magyarpolˆ¡ny	
PKSM	Moragy	
MORH	M¨‡r¨¡gy, Hungary	
NGRH	Nagyer	
PKSN	Nyarlorinc	
PENC	Penc	
PSZ	Piszkesteto	
FPOZ	Pozzuolo	
PKS8	Sarbogard	
SOP	Sopron	
SZE	Szeged	
PKS9	Tamasi	
TRPA	Tarpa	
RHK3	Tenkes	
PKST	T¨s	
TIH	Tihany	
UZD	Uzd	
PKSG		
ETYK		
Ireland		
ILTH	Belurgan, Co Louth	
ECP	Carnsore Point	
IWEX	Carrickbyrne, Co Wexford	
ECB	Carrickbyrne Hill	
CORK	Cork	
DCN	Croghan	
DSB	Dublin	
DMS	Dublin Merrion Square	
DDK	Dunsink Observatory	
IGLA	Glengowla, Co Galway	
IDGL	Inch Island, Co Donegal	
DKM	Kilmashogue	
DMU	Kingscourt	
DMUB	Kingscourt	
LIMH	Limerick	
DLE	Lyons Estate	
DLF	Lyons Farm	
DUB	Rathfarnham	
ETA	Tara	
VAL	Valentia	
Isle of Man		
WIM	Isle of Man	
IOMK	Kirk Michael	
GIM	North Isle of Man	
Italia		
T1012	Faicchio (BN)	
TREM	Isole Tremiti	
RCAV	Rocca di Cave	
SPCA	San Pietro in Casale	
Italy		
T0402	Abbadia di Fiastra (Tolentino)	
NARO	Abbazia di Naro	
ABSI	Aberstueckl	
ABRE	Abriola	
RM31	Accumuli	
ACER	Acerenza	
ACOM	Acomizza, Italy	
T0702	Acquaformosa (CS)	
ADRI	Adria, Italy	
AGOR	Agordo	
ALJA	Alia	
TO02	Allumiere - RM	
AFL	Alpe Faloria	
AMUR	Altamura	
AMI	Amelia	
AM9	Amelia	AMI
ANS	Ancona	
AOI	Ancona	
AND3	Andretta	
ME06	Antenna a Mare	
LANT	Antrodoco	
APEC	Apecchio	
APPI	Appiano	
ACI	Arcavacata	
ARVD	Arcevia	
ARV	Arcevia	
ARCI	Arcidosso	
ARIC	Ariccia	
ARME	Armento	
LRP	Arpino	
AQT1	Arquata del Tronto	
ARRO	Arrone	
VARZ	Arzignano	
ALP	Ascoli Pisceno	
ASOL	Asolo	
MASO	Asolo, Italy	
ASQU	Asqua	
RM28	Assergi	
ASS	Assisi	
ASSB	Assisi San Benedetto	
AZI	Avezzano	
AVG3	Avigliano	
UVAG	Avigliano	
ATCC	AVT- Casa Castalda	
ATLO	AVT- Montelovesco	
ATTE	AVT- Monte Tezio	
ATVA	AVT- Monte Valcinella	
ATVO	AVT- Monte Valentino	
BACM	Baccana	
BADI	Badiali	
BDI	Bagni Di Lucca	
BAG8	Bagolino	
BAI2	Baranello	
TO08	Barbarano Romano - VT	
SBPG	Barcellona Pozzo di Gotto	
BNI	Bardonecchia	
BAI	Bari	
BAI*	Bari	
BRT	Bari-Castellana	
BRSN	Barisano	
RM14	Barisciano	
BSS	Baronissi	
BEL3	Bella	
BLLA	Bellaria	
BNV	Benevento	
BERI	Bernadia	BAD
BAD	Bernadia	
BIBN	Bibbiana	
MOCO	Biccari - m.te Cornacchia	
BSC3	Bisaccia	
BOB	Bobbio (Coli)	
CCE3	Bocca Seriola	
BOL	Bologna	
BLZ	Bolzano	
BOSI	Bolzano	
T0805	Bondeno (FE)	
RM20	Borbona	
BOO	Bordano	
BORI	Bordano	BOO
BSL	Borgo	
BL1	Borgo	BSL
BOSL	Borgo San Lorenzo	
BVT	Borgo Val di Taro	
BORM	Bormio	
BRMO	Bormio	
BORS	Borseda	
BOTT	Botticino	
BOTM	Botticino Mattina	
BRES	Bressanone	
GRDB	Briano	
BHB	Bricherasio	
BRIE	Brienza	
BRIS	BRISIGHELLA	
ME04	Brognaturo	
BUA	Buia	
BUII	Buia	BUA
BULG	Bulgheria - Camerota	
BSSO	Busso	
FCAB	Cabia	
CGG3	Caggiano	
CKI	Cairo Montenotte	
MCRV	Calabrutti - M.te Cervialto	
CALI	Calice al Cornoviglio	
CLT3	Calitri	
CLTR	Calitri	
CCLV	Calvizzano	
TCMO	Camaiore	
CIO	Camerino	
CMR	Camerino	
CMP3	Campagna	
CMPR	Campora	
T0715	Campotenese	
CAMP	Campotosto	
CMPO	Campotto Po	
TO03	Canale Monterano - RM	
FG4	Candela	
CAE	Caneva	
RE02	Canossa - RE	
ATCA	Cantone	
ACAP	Capistrello	
CADA	Capodarco di Fermo	
CAP	Capodimonte	
SN1	Capo Mulini Mare	
CVI	Capo Vaticano	
CRE	Caprese Michel	
LEOD	Capriano del Colle	
CAPR	Capriolo	
RM27	Carapelle Calvisio	
CARD	Cardoso	
CRDM	Cardoso	
T0916	Careggine (LU)	
CAFE	Carife	
CRMI	Carmignano	
CARO	Carolei	
CAR1	CAROLEI	
CRVI	Carovilli	
CII	Carovilli	
CPGN	Carpegna, Italy	
PCRP	Carpino	
CPI2	Carpinone	
CSCL	Casacalenda	
T0203	Casalattico (FR)	
RM12	Casamaina	
CAS	Casamari	
CSM	Casamicciola	
OC9	Casamicciola	
T0201	Case Giovannangeli - (Balsorano -AQ)	
CSMI	Casera Mimoias	
CSZ	Casera Razzo	
TCSL	Casola in Lunigiana	
CSI	Cassano Ionio	
CSSN	Cassano Irpino	
CSO	Casso	
CDT	Castel del Monte	
CAFR	Castel Frentano	
CTL8	Castelleone	
CSNT	Castellina Chianti	
T0823	Castello D'Argile (BO)	
RE08	Castello di San Valentino (Castellarano) - RE	
ME07	Castell'Umberto	
T0911	Castelpoggio (MS)	
BCSR	Castelsaraceno	
CTI	Castel Tesino	
AT04	Castiglione Aldobrando (Gubbio) - PG	
CASP	Castiglione della Pescaia	
RM15	Castiglione (Tornimparte)	
CAFI	Castiglion Fiorentino	
CUC	Castrocucco	
T0822	Casumaru (Bondeno - FE)	
CRM1	Catelraimondo	
AT07	Catigliano (Cittˆ di Castello) - PG	
MTOM	Cavaso del Tomba, Italy	
LCAV	Cave	
PRED	Cave del Predil	
CAVE	Cavezzo	
CGL1	Ceglie Messapica	
CEL	Celeste	
CELI	Celico	
CNRT	Cenerente	
CAPA	Cerignola FG	
RM30	Cerqua	
CERT	Cerreto	
CRSP	Cerreto di Spoleto	
RM10	Cesaproba (Montereale)	
CESX	Cesi	
CESI	CESI - Serravalle di Chienti	
CSP1	Cessapalombo	
CET2	Cetraro	
CIRO	Champorcher	
CHV	Chiavari	
CAS08	Chiesa Nuova, Poggio Renatico (FE)	
T0820	Chiesuol del Fosso FE	
AR03	Chiusi della Verna (AR)	
CGRP	Cima Grappa	
SALI3	CIMA - Sant'Angelo dei Lombardi	
CIMO	Cimolais	
CING	Cingoli	
CCPC	Citt¨ di Castello	
ME10	Cittanova	
CDCA	Citt' di Castello	
CDRU	Civita di Ruta - Ottati	
CIMA	Civitanova Marche	
TO09	Civitella Cesi - VT	
CLA1	Claut1	
CLAB	ClautB	
CLUD	Cludinico	
CODM	Codolo	
AMEN	Colle Ameno	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM07	Collebrencioni	
RM11	Collenoveri	
T0110	Collepietro	
RM02	Colle Roio	
SMB1	Colle San Martino	
CLLN	Colliano	
COL3	Colliano	
RM05	Colli (Barete)	
CLR	Collurania	
COLI	Coloredo	
VARN	Col Varnada, Mel (BL)	
NAPI	Complesso Universitario Monte Sant'Angelo	
CNCS	Concesio	
LCNT	Contigliano	
T0109	Coppito (AQ)	
COR1	Corinaldo	
CRN	Corinaldo	
AD04	Corinaldo (AN)	
COPE	Corleto Perticara	
MCOR	Cornuda	
CRND	Cornuda	
CODE	Correggio	
ZAVE	Correggio Bag	
FANE	Correggio Fan	
MAN1	Correggio Man	
T0815	Correggio (RE)	
SILE	Correggio--Silva	
CRAC	Craco	
CUSI	Cussignacco Udine	
GRDT	Desenzano Tresine	
DPS	Deserto Penisola Sorrentina	
DP1	Deserto P. S.	DPS
DSB1	Difesa San Luca	
ME05	Diga del Menta	
DMD	Domodossola	
T0803	Dosso, Cento (FE)	
DOSS	Dosso del Sommo	
DDS	Dosso del Sommo	
DRE	Drenchia	
DUI	Duronia	
EL6	Elcito	
ENR	Entracque	
EQUI	Equi	
ERBM	Eremo	
ERT	Erto-Casso	
SNTG	Esanatoglia	
EMCN	Etna Monte Conca	
EMFS	Etna Monte Frumento Supino	
FAE	Faenza	
FAEN	Faenza	
FAGN	Fagnano	
MFNN	Fano	
RM18	Fano Adriatico	
MFAN	Fanzolo, Italy	
BFRD	Fardella	
MPRO	Farra di Soligo, Italy	
FASA	Fasano	
FENE	Fenestrelle	
FERB	Ferrara borehole (Italy)	
FERS	Ferrara-Casaglia	
FECT	Ferrara Citta	
FIAM	Fiamignano	
RM08	Filetto	
CERA	Filignano	
FINB	Finale Ligure	
FIN	Finale Ligure	
FDMO	Fiordimonte	
FIR	Firenze	
FIU1	Fiuminata	
FIVI	Fivizzano	
TFIV	Fivizzano	
FG1	Foggia	FOG
FGG	Foggia	FOG
FOG	Foggia	
FOL	Foligno	
UFLG	Foligno	
FFNT	Fontanafredda	
FNVD	Fontana Vidola	
FCOR	Fonte Corniale	
UFCT	Forcatura	
FAU	Forcella Aurine	
FOA	Forni Avoltri	
FVI	Forni Avoltri	
FSI	Fosdinovo	
FS1	Fosdinovo	FSI
FOSD	Fosdinovo	
FOSV	Fossato di Vico	
FSSB	Fossombrone	
AT08	Fraticciola Selvatica (Perugia) - PG	
C004	Frazione Salia	
FRE8	Fregona	
FRES	Fresagrandinaria	
FRON	Frontone	
FROS	Frosini	
FSC	Fuscaldo	
FUSE	Fusea	
GAGG	Gaggia	
GALF	Gagliano Castelferrato	
GAG1	Gagliole	
GMB	Gambarie	
GATE	Gambatesa	
GAVE	Gavelli	
MIR04	Gavello, Mirandola (MO)	
GAZZ	Gazzo Veronese (Italy)	
GEPF	Gemona	
GMNA	Gemona	
GEN	Genova	
GENL	Genova University	
GRFL	Gerfalco	
BURY	Giardini Botanici Hanbury, Ventimiglia (IM), Italy	
ME15	Gioiosa Marea	
GRI	Girifalco	
GIUL	Giuliano Di Roma	
T0825	Gonzaga (MN)	
FGRZ	Gorizia	
GORR	Gorreto	
GRAM	Graiana	
GIGS	Gran Sasso	
SGG	Gregorio Matese	
MOSI	Grossmontoni	
GBOS	Grotte di Bossea	
GUMA	Gualdo di Macerata	
GUAR	Guarcino	
GSCL	Gusciola	
IMOL	Imola, Italy	
IMI	Imperia	
INTR	Introdacqua	
FINV	Invillino	
IOCA	Ischia Osservatorio Casamicciola	
GROG	Isola di Gorgona	
GORG	Isola Di Gorgona	
IESO	Jesolo	

Code	Station Name	Other
JOPP	Joppolo	
KOSI	Kohlern	
LSD	Lago del Serru	
LPEL	Lama dei Peligni	
LPD	Lampedusa	
LAV9	Lanuvio	
AQU	L'Aquila	
T0103	L'Aquila	
LTRZ	Laterza	
LATE	Laterza	
THUI	La Thuile	
LATB	Latina	
LCI	Lecce	
LIV	Leghorn	
LNSS	Leonessa	
SLNS	Linosa	
LIO3	Lioni	
LPI	Lipari	
PR02	Localitˆ Poggio-Vacaldola (Sant'Agata Feltria RN)	
T0502	Localitˆ San Martino (Sarsina - FC)	
T0821	Loc. Casaglia - Ferrara (FE)	
T0814	Loc. Cortile, Carpi (MO)	
T0818	Loc. Fossa, Concordia sulla Secchia (MO)	
T0828	Loc. Fossoli, Carpi (MO)	
T0824	Loc. Limidi di Soliera, Soliera (MO)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
T0812	Loc. Stoppiaro, Poggio Rusco (MN)	
T0817	Loc. Veratica, Salara (RO)	
TLUC	Lucca	
RM01	Lucoli (AQ)	
AT02	Lugnano (Citt^ di Castello) - PG	
LGS3	Luogosano	
LSR	Lussari	
LMD	Lutirano	
MVF	Macchia Valfortore	
MCGN	Macugnaga	
T0104	Madonna delle Grazie (Coppito)	
MAGA	Magasa	
MSSA	Maissana	
MABI	Malga Bissina	
MGRD	Malga Garda, Italy	
MLNI	Malnisio	
MNTV	Mantova	
MARN	Marana (Italy)	
BMAT	Maratea	
AMRC	Marco	
MMAR	Mareno di Piave, Italy	
MA9	Marino	
MRN3	Marsico Nuovo (PZ)	
MARE	Marsico Vetere	
SMET	Mascalucia	
T0800	Massa Finalese, Finale Emilia (MO)	
T0813	Massa Finalese, Finale Emilia (MO)	
MASS	Massafra	
MAIM	Mastiano	
MTL1	Matelica	
MATE	Matera	
MIR01	Medolla (MO)	
MELA	Melanico ??? S. Croce di Magliano	
AD01	Meldola (FC)	
MERA	Merate	
MESG	Mesagne	
RM22	Micigliano	
MIGL	Miglionico	
MIL	Milan	
MILN	Milano	
MLE	Mileto	
FIU	Minerbio Fiu	
PASE	Minerbio--Passere	
TORE	Minerbio--Torre	
MRVN	Minervino Murge	
T0912	Minucciano (LU)	
MIDA	Miranda	
SGIA	Mirandola	
MIR02	Mirandola (MO)	
MIR03	Mirandola (MO)	
ME01	Mistretta	
MODE	Modena	
T0827	Moglia (MN)	
MOLE	Moliterno	
AD03	Mombaroccio (PU)	
MNC	Moncalieri	
MONC	Moncucco Torinese	
AD02	Mondaino (RN)	
MODR	Mondragone	
MONE	Monesi	
AT03	Montalto (Apecchio) - PU	
MN3	Montappone	
MNTP	Montappone	
MA1	Montasola	MNS
MNS	Montasola	
MAB1	Monte Acero	
MAO	Monte Argentario	
MAON	Monte Argentario	
BALD	Monte Baldo	
MMBI	Montebello Ionico	
MBEL	Montebelluna (TV)	
MCIF	Montecalvo in Foglia	
MCI	Monte Cassino	
ATMC	Monte Cedrone	
MTCE	Montecelio	
MME	Monte Cimone	
MCIV	Monte Civitella	
AT11	Monte Civitello	
CZI	Monte Cocuzzo	
MC2	Monte Cornaccione	
N002	Montecucco	
MOCL	Monte Cuccoli	
MDAR	Monte D'Aria	
CMDO	Montedoro	
MF5	Montefalcone Appennino	
FEMA	Monte Fema	
ATFO	Monte Foce - Gubbio	
MGAB	Montegabbione	
MGIO	Monte Giove	
MGRO	Montegrosso	
MTCR	Monte La Croce	
SSFR	Montelago di Sassoferrato	
MML1	Montelago di Sefro	
CC03	Monteleto	
MNT3	Montella	
MTLO	Montello	
TV6	Monte Luro di Tavullia	
GRDM	Monte Maddalena	
MOMA	Monte Martano	
MSC	Monte Massico	
MMO1	Montemonaco	
MMUR	Monte Murano	
MPPT	Montemurlo	
MPAG	Monte Paganuccio	
PZZT	Monte Pizzetto	
MPRI	Monte Prat	
MTRZ	Monterenzio	
MRB1	Monte Rocchetta	
SEST	Monte Rota	
MSAG	Monte S. Angelo	
MTSN	Montesano sulla Marcellana	
SMTM	Monte Santa Maria Tiberina	
FGMS	Monte Sant'Angelo	
MS1	Monte Sant'Angelo (FG)	
MSB1	Montesarchio	
SIRI	Monte Sirino - Moliterno	
MURB	Monte Urbino	
VULT	Monte Vulture - Melfi	
MCEL	Monticello	
MDI	Monti di Nese	
MNTT	Montottone	
T0401	Montottone (Fermo)	
MRGE	Morge	
MGR	Morigerati	
MMN	Mormanno	
RM25	Mosicchio (Amatrice)	
MTTG	Motta San Giovanni	
SABO	M.te Sabotino	
FG3	Mte Sant'Angelo	
RCL	Mte Valcellina	
RE1	Mte Valcellina	RCL
MRVI	Mt Valcellina	RCL
MRLC	Muro Lucano	
SCL3	Muro Lucano (Serra Campolungo)	
VDS3	Muro Lucano (Varco Staccarino)	
NPL	Naples	
NARN	Narni	
NEVI	Neviano degli Arduini	
ENIC	Nicolosi	
NOCI	Noci	
NL9	Nola	
NRCA	Norcia	
UNRC	Norcia	
NOVE	Novellara	
NDIM	Novi di Modena	
ROCE	Novi Di Modena	
NSC3	Nusco	
CAS01	Occhiobello (RO)	
AKR	Ocre	
OFFI	Offida	
UOLM	Olmeto	
OPPE	Oppeano	
OR1	Oriolo Calabro	ORI
ORI	Oriolo Calabro	
ORO	Oropa	
ORX	Oropa	
FG5	Orsara di Puglia	
OII	Orti	
ORZI	Orzinuovi	
OSKI	Oschiri	
MOSM	Osimo	
AD06	Osimo (AN)	
MIR07	Ostiglia (MN)	
PAD	Padua	
T0811	Palata Pepoli (BO)	
PALZ	Palazzo San Gervasio	
PLMA	Palmaria, Porto Venere	
ME03	Palmi	
PANI	Panarotta	
PAOL	Paolisi	
PARC	Parchiule	
PRMA	PARMA	
SATI	Passo dei Salati	
RM26	Passo delle Capannelle	
PTCC	Patocco-Chiusaforte	
PLRO	Paularo	
EUCT	Pavia	
PAV	Pavia	
PE3	Peglio	
RM33	Pellescritta (Montereale)	
ME09	Pentidattilo	
UPRP	Perugia	
PRG	Perugia	
PEG	Perugia	PRG
PESA	Pesaro	
PRO	Pesaro	
PS1	Pesaro	PRO
T0204	Pescasseroli (AQ)	
PSB1	Pescosannita	
IPES	Pescosannita	
BBB4	Pezza	
PE1	Pezze di Greco (BR)	
PCN	Piacenza	
PCP	Piancastagn	
RM09	Piano di Cascina (Cagnano Amiterno)	
A001	Piccione	
PIEI	Pieia	
PCRO	Pietralacroce	
PIET	Pietralunga	
CCN3	Pietralunga	
ATPI	Pietralunga - Aviosuperficie	
PIPA	Pietrapaola	
PTRP	Pietrapertosa	
PTQR	Pietraquaria	
PTRJ	Pietraroja	
D002	Pieve de Saddi	
PDC	Pieve di Cadore	
MIR06	Pieve di Coriano (MN)	
PF6	Pievefavera	
PIGN	Pignataro Maggiore	
PGN3	Pignola, Italy	
PNI	Pinerolo	
PIO1	Pioraco	
PII	Pisa	
PIS	Pisa	
N001	Pisciano	
PSL	Pistoia	
RE07	Pizzano Val di Parma - PR	
PLAC	Placanica	
RM32	Poggio Cancelli	
ATPC	Poggio Castellaccio	
T0108	Poggio di Roio	
T0101	Poggio Santa Maria	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
PGD	Poggio Sodo	
POLC	Polcenigo	
POI	Polino	
PO9	Polino	POI
CPMP	Pompei	
PMP	Pompeii	
POBI	Pontebba	
POPM	Popiglio	
PTC	Porto Cannone	
PDI	Porto d'Ischia	
POFI	Posta Fibreno	
PST3	Postiglione	
PZUN	Potenza	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PLI2	Pozzilli	
EPOZ	Pozzillo	
CMRS	Pozzuoli	
IPOZ	Pozzuoli	
MPRD	Prada, Italy	
PTF	Prato	
TPRT	Prato	
VIVA	Pratoni del Vivaro - Roma	
RE06	Pratopiano (Palanzano) - PR	
PRT	Prato-Toscana	
FPRM	Premariacco	
AT01	Promano (Citt^ di Castello) - PG	
MIR08	Quarantoli, Mirandola (MO)	
QRI	Quarto	
QCI	Quattro Castella	
QLNO	Quiliano	
GRDQ	Quinzano	
AT05	Racchiusole (Umbertide) PG	
RBL	Raibl	
B001	Rancolfo	
ARAS	Rassina, Castel Focognano (AR)	
RAVA	Ravarino	
MREF	Refrontolo, Italy	
MRCB	Reggio Calabria	
CRCA	Reggio Calabria	
RCI	Reggio Calabria	
RISI	Rein	
RSP	Reno Superiore	
ATRE	Renzetti	
RESU	Resuttano	
T0205	Ridotti (Balsorano, AQ)	
RGNG	Rignano Grg	
RNI2	Rionero Sannitico	
T0826	Rio Saliceto (MN)	
URVD	Rivodutri	
ROB	Robourent	
RM04	Rocca di Mezzo	
RDP	Rocca di Papa	
RFI	Roccamonfina	
RRL	Rocca Remolon	
RMI2	Roccaromana	
RORO	Rocca Rossa	
RSF3	Rocca San Felice	
RONM	Roccetta Nervino	
RSA3	Rocchetta Sant'Antonio	
ROTM	Rocchetta Tanaro	
RVI2	Rocchetta Volt	
T0106	Roio Piano	
ROM9	Roma	
ROM	Rome	
RMP	Rome, Mte Porzio	
RNCA	Ronca, Sant'Olcese (GE)	
N004	Ronchi	
RNI	Roncone	
RONC	Roncone	
ROI	Rossano	
ROSI	Rosskopf	
T0716	Rotonda - Contrada Piano Incoronata (PZ)	
T0711	Rotonda (PZ)	
RM13	Rovere (Rocca di Mezzo)	
ROVE	Rovereto Di Novi	
ROVR	Rover^¤ Veronese	
RUFI	Rufina	
RDM3	Ruvo Del Monte	
CAS07	S.Agostino (FE)	
REMY	Saint-Rh¨my-en-Bosses	
SLCN	Sala Consilina	
SLNA	Salina	
SAL	Salo	
SALO	Salr	
SOI	Samo	
T0816	San Bartolomeo in Bosco (FE)	
CAS05	San Carlo, Sant'Agostino (FE)	
SACS	San Casciano dei Bagni	
DOI	San Damiano	
SDI	San Donato	
SANR	Sandrigo	
SFL3	San Fele	
T0802	SanFelice sul Panaro (MO)	
ME02	San Fratello	
SNAL	S. Angelo Dei Lombardi	
USGN	Sangemini	
LIK	San Giovanni Incarico	
SGRT	San Giovanni Rotondo	
MSSG	San Giuliano del Sannio	
TSGT	San Giustino Valdarno	
PCNV	San Giusto Canavese	
SALB	San Lorenzo Bellizzi	
SAVE	San Marco di Savelli	
SMA1	SAN MARTINO	
RM03	San Martino d'Ocre	
LADO	San Nicola dell'Alto	
T0107	San Pelino (Cagnano Amiterno)	
CORR	San Possidonio	
T1011	San Potito Sannitico (CE)	
SSP9	Sansepolcro	
SSM1	San Severino Marche	
SSB3	San Sossio Baronia	
SCTE	Santa Cesarea Terme	
AT09	Santa Cristina (Gubbio) - PG	
T0712	Santa Domenica Talao (CS)	
SGTA	Sant Agata di Puglia	
TO05	Santa Marinella - RM	
MSTD	Santandra', Italy	
SAP2	Sant'Angelo in Pontano	
SAIV	Sant'Angelo In Vado	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
SRN3	Sant'Arsenio	
SFI	Santa Sofia	
CIGN	Sant'Elia a Pianisi	
T0102	San Vittorino	
ZEN8	San Zeno di Montagna	
VRZA	San Zeno Di Montagna	
SASS	Sassa´´´´´´	
SSCV	Sassocorvaro	
SSO	Sasso d'Italia	
SARO	Sassorosso	
STN3	Satriano di Lucania, Italy	
TSUT	Saturnia	
SBPO	S.Benedetto Po	
SEI	Scarperia	
ATSC	Scheggia e Pascelupo	
SCHR	S. Chirico Raparo	
MSCL	Scilla	
RM06	Scoppito	
SACR	S. Croce Del Sannio	
SC2M	Scurtabo	
NEGI	Seborga	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
SEF1	Sefro	
RM21	Selvarotonda (Cittareale)	
SNR3	Senerchia	
SENI	Senigallia	
SERM	Sermide	
FG2	Serracapriola	
ATBU	Serra di Burano	
MSSB	Serra Sant'Abbondio	
T0914	Serretta (MS)	
SERS	Sersale	
STDG	Sesta Godano	
CAS03	Settepolesini, Bondeno (FE)	
SG1	Sgolgore (BA)	
FSGC	Sgonico	
SGO	Sicignano	
SIE	Siena	
A004	Sigillo	
T0915	Sillano (LU)	
MSIR	Sirolo	
AD05	S.Marcello (AN)	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SMP	Somplago	
SRES	S.Oreste - Soratte	
CELB	S.Piero in Campo Elba	
T0501	Spinello di Santa Sofia (FC)	
SPIE	Spinoso	
STAL	STALIGIAL	
SAE	Statte	
GIN	Stromboli-G	
PZZ	Stroppo	
TUE	Stuetta	
TLI	Talmassons	
TTI	Taranto	
TA1	Taranto	TTI
TAR	Taranto	
TAR1	Taranto	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TAV1	Tavarnelle	
TEGI	Teggiano - Istituto P. Leto	
T0913	Tendola (MS)	
TEOL	Teolo	
TERO	Teramo	
RE05	Terme di Santa Lucia (Busana) - RE	
ISOR	Termini	
RM16	Terranera (Rocca di Mezzo)	
TDS	Terranova Sibari	
TTER	Terranuova Bracciolini	
TIP	Timpagrande	
TITE	Tito	
LTTV	Tivoli	
TOLF	Tolfa	
TO01	Tolfa - RM	
TO04	Tolfa - RM	
TLM	Tolmezzo	
CSG3	Toppo Di Castelgrande (Osservatorio Astronomico)	
TOPPO	Toppo, Italy	
TNO	Torino	
AT10	Torre dell'Olmo (Gubbio) - PG	
TRTR	Tortoreto Alta	
TRAV	Traversella	
TREG	Tregnago	
TRE1	Treia	
T0724	Tremoli - CS	
TRE	Trente	
TREV	Trevi	
TRV	Treviso	
BTRC	Tricarico	
TRI	Trieste	
TTE	Trieste	
TRS	Trieste (CM)	
TRIF	Trifonti	
TRIP	Tripoli	
TRIV	Trivento	
TU1	Tuscania	
UDN	Udine	UDI
UDI	Udine OGS	
BENI	Universita' Del Sannio	
VAJ	Vajont	
VALM	Valbona	
AA02	Valdichiascio	
VAGA	Valle Agricola	
T0105	Valle d'Ocre (Ocre)	

Code	*Station Name*	*Other*
VARA	Varagna	
VAI	Varese	
VARE	Varese	
VEA	Veano	
RE03	Vedriano (Canossa) - RE	
VENL	Venezia Lido	
VEN	Venice	
VENT	Ventotene	
PR01	Verghereto (FC)	
VVMR	Verona	
RM29	Verrico (Montereale)	
OV1	Vesuviano	OVO
OVO	Vesuviano	
VARP	Vesuvio Array Permanente	
VBKN	Vesuvio Bunker Nord	
VCRE	Vesuvio Cratere Est	
VTIR	Vesuvio Tirone	
VVDG	Vesuvio Valle Del Gigante	
VMG	Vicchio	
RM23	Viesci	
VDP3	Vietri Di Potenza	
CAS06	Vigarano Mainarda (FE)	
CAS02	Vigarano Mainarda (FE)	
CAS04	Vigarano Pieve (FE) fraz. Diamantina	
T0701	Viggianello (PZ)	
VIGE	Viggiano	
BVIG	Viggiano	
VGG3	Viggiano (Prot.Civ.Gr.Lucano)	
VCEL	Villa Celiera	
VLC	Villacollemandina	
VVI	Villa di Villa	
VINO	Villanova	
MIR05	Villa Poma (MN)	
VVLD	Villa Vallelonga	
VINC	Vinca	
VISG	Visignano	
T0202	Vitale (Isola del Liri - FR)	
VTB1	Vitulano	
VITU	Vitulano (BN)	
VOBA	Vobarno	
VG1	Voghera	
ZIAN	Ziano	
ZCCA	Zocca	
ZOU	Zoufplan	
ZOVE	Zovencedo	
Sardinia		
CCI	Cagliari Citta	
CA2	Cagliari Serpeddi	CGL
CGL	Cagliari Serpeddi	
CRL	Carloforte	
CUG	Cuglieri	
DGI	Dorgali Grotta	
OLB	Olbia	
VSL	Villasalto	
Sicily		
EACI	Aci Sant'Antonio	
CAGR	Agira	
ACL	Alicudi	
IACL	Alicudi	
MALI	All	
ATN	Antennamare	
AIO	Antillo	
AQ6*	Aqua Casa	
HAGA	Augusta	
AGST	Augusta-Monte Tauro	
HAVL	Avola	
EBCN	Bocca Nuova	
HBSP	Bosco Santo Pietro	
CLTB	Caltabellotta	
CM6*	Campone	
MCPD	Capo d'Orlando	
CV6*	Capo Vaticano	
HCRL	Carlentini	
ECBD	Case Bada	
ECPN	Case del Piano	
ECVS	Case del Vescovo	
ECZM	Case Zampini	
MSRU	Castanea	
CSLB	Castelbuono	
ECML	Castelmola	
CVT	Castelvetrano	
CAVT	Castelvetrano	
ECTS	Castiglione	
MCSR	Castroreale	
CAT	Catania	
CATZ	Catanzaro	
ECNV	Catenanuova	
EZPO	C.da Z Pietro	
ECIS	Cisternazza	
ECDV	Codavolpe	
EPOL	Con Chiusa Politi	
ECCS	Contrada Cassone	
CORL	Corleone	
CRJA	Costa Raja	
ECNE	Crateri Nord Est	
ERC	Erice	
ER1	Erice	ERC
EBEL	Etna Belvedere	
FAI	Favara	
FA1	Favara	FAI
FAVR	Favara	
IFIL	Filicudi I Eolie	
EFIU	Fiumefreddo	
VL6*	Forgia Vecchia	
GZI	Ganzirri	
GIB	Gibilmanna	
EGFM	Gr delle femmine	
IMT	Isola di Marettimo	
LV9	Isola Levanzo	LVI
LVI	Isola Levanzo	
LPDG	Lampedusa Capo Grecale	
HLNI	Lentini	
CLTA	Licata	
LLI	Lipari	
ILMG	Lip M Gallina IE	
ILIQ	Lip Q Pani IE	
EMLP	Malpasso	
ECAN	Masseria Cannata	
MEI	Melilli	
MSI	Messina ING	
MES1	Messina Univ.	MES
MES	Messina University	
MILZ	Milazzo	
MNE	Mineo	
HMNO	Mineo	
HMDC	Modica	
MMME	Mongiuffi-Melia	
MTGR	Montagna Grande	
EMAR	Monte Arcimis	
EARC	Monte Arcimis	
ESAN	Monte dei Santi	
MFNL	Monte Finestrelle	
EMFO	Monte Fontane	
EMGR	Monte Grosso	
EMIL	Monte Intraleo	
MEU	Monte Lauro	
MMGO	Monte Magaggiaro	
EN6*	Monte Nero	
EMNR	Monte Nero	
EMPL	Monte Parmentelli	
MPG	Monte Pellegrino	
MR6*	Monte Rosa	
EMRV	Monte Ruvolo	
ESVO	Monte Scavo	
MNO	Monte Soro	
ESRO	Monte Soro	
EMSG	Monte Spagnolo	
EMVT	Monte Vetore	
MVT	Monte Vettore	
EMSA	Motta S. Anastasia	
MCT	Mte Cammarata	
ENCS	Nicolosi	
ENLS	Nicolosi	
NOV	Novara	
HPAC	Pachino	
HPAR	Pala Acreide	
PZI	Palazzolo	
PLR	Palermo	
MPAZ	Palizzi	
PLI	Panarea	
ME12	Panarea 2	
IPAN	Panarea IE	
PTS	Pantelleria	
PTMD	Pantelleria Cuddia di Mida	
EPIS	Pennisi	
PETRA	Petralia Soprana	
EPET	Petrulli	
EPAP	Piano d'Api	
PV6*	Piano Vulcano	
EPMN	Piedimonte	
CPTP	Pietraperzia	
EPDN	Pizzo Deneri	
EPZF	Pizzo Felice	
EPPA	Pizzo Paviglione	
PLLN	Pollina	
MPNC	Port Mandanici	
SL6*	Punta Lena	
EPLC	Punta Lucia	
RAFF	Raffo Rosso	
ERSA	Rifugio Sapienza	
ISLN	Salina IE	
MSFR	San Fratello	
SG6*	San Gibilmanna	
GIO	San Gregorio	
ECHR	Santa Chiara	
ESAL	Sant'Alfio	
EVRN	Santa Venerina	
SCLL	Scilla	
ESCV	Scorciavacca	
ESLN	Serra La Nave	
ESPC	Serra Pizzuta	
HSRS	Siracusa	
ESML	S. M. di Licodia	
SOLUN	Solunto	
SSY	Sortino	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
IST3	Stromboli F	
ISTR	Stromboli Ginostra	
ISTP	Stromboli Pizzo	
ISPL	Str Punta Lena IE	
ETAR	Tardaria	
ETFI	Torre del Filo	
MUCR	Ucria	
USI	Ustica	
VAE	Valguarnera	
EVNA	Vena	
HVIT	Vittoria	
HVZN	Vizzini	
VN6*	Vulcanello	
IVCR	Vulcano Cr IE	
IVUG	Vulcano Grillo IE	
IVGP	Vulcano Grotta dei Palizzi	
IVLT	Vulcano Lentia IE	
VPL	Vulcano Piano	
ZA1	Zafferana	
Trentino		
BIE	Brione	
CAV	Cavalese	
CARE	Lago del Careser	
BALI	Monte Baldo	
OZOL	Ozolo	
Kosovo		
GJIK	Gjilan	
GMRK	Grmije	
PEJK	Peje	
PRZK	Prizren	
SMRK	Smrekonice	
ZATK	Zatriq	
Languedoc-Rousillon		
CLAF	Gruissan	
VALC	Valcebollere	
Latvia		
SLIT	Slitere, Latvia	
Lithuania		
IDID	Didziasalis	
IIGN	Ignalina	
INPP	Ignalina Nuclear	
PABE	Paberze	
PBUR	Paburg˜	
ISAL	Salakas	
IZAR	Zarasai	
Luxembourg		
C20	C20	
C21	C21	
C22	C22	
C23	C23	
LKLB	Kalborn	
LUX	Luxembourg	
LVIA	Vianden	
WLF	Walferdange	
Malta		
MLT	Malta	
WDD	Wied Dalam	
Mecklenburg-Vorpommern		
LNIZ	Loecknitz	
ZARR	Zarrentin	
Midi-Pyrenees		
CRAS	Crastes	
DUNF	Dun	
FLCF	Florentin-la-Capelle	
GENF	Genat	
SLVF	La Salvetat-Peyrales	
Moldova		
KGL	Cahul	
GIUM	Giurgiulesti	
KIS	Kishinev	
LEOM	Leova	
MILM	Milestii Mici	
PURM	Purcari	
SORM	Soroca	
Monaco		
MON	Monaco	
Montenegro		
IVA	Berane	
BEY	Berane	IVA
BUM	Brajici-Budva	
BRY	Bratogost	
BDV	Budva	
CEME	Cevo	
DRME	Dracevica, Montenegro	
HCY	Herceg Novi	
KOME	Kolasin	
NKY	Niksic	
NKME	Niksic	
PVY	Plav	
PLE	Pljevlja	
TTG	Podgorica	
PDG	Podgorica	TTG
ULC	Ulcinj	
UPM	Unac-Piva	
Netherlands		
CHA1	Chaam	
CHA5	Chaam	
CHA2	Chaam	
CHA3	Chaam	
CHA4	Chaam	
NE38	Dalfsen	
DBN	De Bilt	
ENM4	Eenrum	
ENM	Eenrum	
ENM2	Eenrum	
ENM1	Eenrum	
ENM3	Eenrum	
ENV	Elp	
ENV1	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENN	Epen	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FDG1	Firdgum	
FDG4	Firdgum	
FDG2	Firdgum	
FDG3	Firdgum	
NE42	Fort Lent	
HWF2	Haulerwijk	
HWF1	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	
HWF	Haulerwijk	
HEE	Heerlen	
HGN	Heimansgroeve	
HKB	Herkenbosch	
NE32	Kootwijk	
NE31	Losser	
MAME	Mamelis	
NEER	Neeritter	
OPLO	Oploo	
OTL1	Oterleek	
OTL	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
PPB	Philisteinsche Polder	
PPB4	Philisteinsche Polder (Bergen)	
PPB1	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
RSB	Ravensbos	
RDC	Rolduc	
SCHN	Schinveld	
SPY1	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SUH2	Surhuizum	
SUH1	Surhuizum	
SUH4	Surhuizum	
SUH3	Surhuizum	
NE37	Ubbergen	
NE05	Utrecht	
VKB	Valkenburg	
NE15	Valkenburg	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VLW4	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
VLW	Vlagtwedde	
VLW3	Vlagtwedde	
WMH1	Warmenhuizen	
WMH3	Warmenhuizen	
WMH2	Warmenhuizen	
WMH	Warmenhuizen	
WMH4	Warmenhuizen	
NIW3	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIW1	Wetzens (Niawier)	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN4	Wijnaldum	
WTS	Winterswijk	
WTSB	Winterswijk	
NE40	Winterswijk	
NE04	Witteveen	WIT
WIT	Witteveen	
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV	Zuidlaarderveen	
ZL21	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZWE4	Zweins	
ZWE2	Zweins	
ZWE1	Zweins	
ZWE3	Zweins	
Niedersachsen		
CLNZ	Clenze	
GOLB	Goldborn	
Nord-Pas-de-Calais		
HELF	Helfaut	
Norway		
Jan Mayen Island		
JMI	Jan Mayen	
JNE	Jan Mayen East	
JNW	Jan Mayen West	
AKN	Aaknes	
ARCES	ARCESS Array Beam Reference Point	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARE0	ARCESS Array Site E0	
ARNS	Arna	
ASK	Askoy	
I37H0	Bardufoss	
BER	Bergen	
RORSS	Ber_school_1	
MELSS	Ber_school_2	
BJO	Bjornoya	
BJO1	Bjornoya	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
N1R6	Dalselv	
DOMB	Dombas	
N2B4	Drage	
EGD	Espegrend	
FOO	Floro	
STOK2	Flostrand	
FLOS	Flostrand	
FRO	Froya	
HAMF	Hammerfest	
N1R5	Hammernes	
N2B5	Haus	
HOMB	Homborsund	
HYA	Hoyanger	
I37NO	I37NO	
JMIC	Jan Mayen	
JETT	Jettan, Norway	
KMY	Karmoy	
KTK1	Kautokeino	
KTK3	Kautokeino	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK2	Kautokeino	
KTK6	Kautokeino	
KRK	Kirkenes	
KON	Kongsberg	KONO
KONO	Kongsberg	
STOK1	Konsvik	
KONS	Konsvik	
N2B6	Leirgulen	
LHN	Lillehammer	
N1R4	Lillevand	
N1R2	Lillevik	
LOF	Lofoten	
N2B3	Lovikneset	
MVG	Mesters Vig	
MOR2	Moi Rana	
MOR1	Moi Rana	
MOR8	Moi Rana	
MOR4	Moi Rana	

Code	Station Name	Other
MOR7	Moi Rana	
MOR5	Moi Rana	
MOR3	Moi Rana	
MOR6	Moi Rana	
MOL	Molde	
N2B2	Myklebust	
NSS	Namsos	
N1R3	Nordsjona	
NORES	NORESS Array Beam Reference Point	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRE0	NORESS Array Site E0	
NA0	NORSAR 1A	NAO
NOA	NORSAR Array Beam Reference Point	NB2
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NCO	Norsar Array Site 01C00	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
N10	NORSAR Subarray 10C Beam Reference Point	
N11	NORSAR Subarray 11C Beam Reference Point	
N12	NORSAR Subarray 12C Beam Reference Point	
N13	NORSAR Subarray 13C Beam Reference Point	
N14	NORSAR Subarray 14C Beam Reference Point	
NAO	NORSAR Subarray 1A Beam Reference Point	
NBO	NORSAR Subarray 1B Beam Reference Point	
NB2	NORSAR Subarray 2B Beam Reference Point	
NC2	NORSAR Subarray 2C Beam Reference Point	
NB3	NORSAR Subarray 3B Beam Reference Point	
NC3	NORSAR Subarray 3C Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NC4	NORSAR Subarray 4C Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NC5	NORSAR Subarray 5C Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC9	NORSAR Subarray 9C Beam Reference Point	
ODD	Odda	
ODD1	Odda	
OSGS	Os	
OSG	Oseberg A Platform	
OSL	Oslo	
OO-	Oslo	OO-NW
OO-NW	Oslo	
RGS	Rognes	
RUND	Rundenannen	
SKAR	Skarslia	
SNART	Snartemo	
SOTS	Sotra	
STF	Statfjord A Platform	
STAV	Stavanger	
STEI	Steigen	
STOK	Stokkvaagen	
SUE	Sulen	
TRO	Tromso	
TRON	Trondheim	
TBLU	Trondheim	
N2B7	Tytingvag	
N2B1	Tytingvag	
N1R1	Vettahaugen	
Svalbard		
BRBA	Barentsburg A	
BRBB	Barentsburg B	
EO1	Edge Oya	
HOPEN	Hopen	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
ISF	Isfjord	
KBS	Kingsbay	
SPITS	Spitsbergen Array Beam Reference Point	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
Poland		
BEL	Belsk	
MIKI	Bielsko-Biala	
BYT	Bytom	
CHZP	Chorzow	
CHZ	Chorzow	
CYP	Chylin	
CZA	CZA	
DGP	Dabrowa Gornicza	
GKP	Gorka Klasztorna	
PHL	Hel	
KWP	Kalwaria Paclawska	
KRA	Krakow	
KSP	Ksiaz	
NIE	Niedzica	
OJC	Ojcow	
RAC	Raciborz	
RBN	Rybnik	
SUW	Suwalki	
WAR	Warsaw	
BRE	Wroclaw	
ZAB	Zabrze	
Portugal		
Azores		
AGA	Agualva	
ADH	Angra Heroismo	
ADH0	Angra Heroismo	
PBIS	Biscoitos	
CALA	Caldeira	
PCALD	Caldeiras da Ribeira Grande	
PCND	Candelaria	
PCAN	Candelaria	
CEDR	Cedros	
CDRO	Cedros	
PCED	Cedros	
CML	Cha da Macela	
CMLA	Cha da Macela	
PCNG	Congro	
PMAT	Coroa da Mata	
FAC	Faja de Cima	
PFAD	Fenais da Ajuda	
PFET	Feteiras	
FLOR	Flores Is	
H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
FOT	Fontinhas	
FRA1	Furnas	
FRA	Furnas	
SET2	Ginetes	
PGRA	Graciosa	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
GRON	Grota Negra	
HOR	Horta	
LFA	Lagoa do Fogo	
PLUZ	Luz	
PMAN	Manadas	
MIRA	Miradouro	
MESC	Monte Escuro	
MTSA	Monte Escuro	
SET4	Mosteiros	
PICO	Pico	
BART	Pico Bartolomeu	
PCRZ	Pico da Cruz	
PFAV	Pico das Favas	
PSMN	Pico do Norte, Sta. Barbara	
PBOI	Pico dos Bois	
PPAD	Pico dos Padres	
PTEI	Pico do Teixo	
PVER	Pico Vermelho	
PIED	Piedade	
SET3	Pilar	
PDA	Ponta Delgada	
PTCA	Ponta do Capelo	
PPNO	Prainha do Norte	
PRCH	Ribeira Ch	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
PID	Ribeirinha	
RIB2	Ribeirinha	
RIB	Ribeirinha	
ROSA	Rosais	
SDCA	Salto do Cavalo	
ASBA	Santa Barbara	
STGR	Santa Cruz	
PSMA	Santa Maria	
SAZ	Santa Maria Island	
PAMA	Santo Amaro	
PSAN	Santo Antonio	
SRBC	Serra Branca	
PSBA	Serra de Santa Barbara	
PSCM	Serra do Cume	
SCUM	Serra do Cume	
PSET	Sete Cidades	
SETA	Sete Cidades	
TOPO	Topo	
VIF	Vila Franca	
PVNV	Vila Nova	
PVIA	Vitoria	
Madeira Islands		
FUL	Funchal	
PMAR	Madeira	
PMOZ	Porto Moniz, Madeira	
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PALBU	Albufeira	
PACT	Alcochete	
PALC	Alcoutim	
PALJ	Aljezur	
AMRP	Almeirim	
ALMR	Almeirim	
PCAL	Alvares	
PFBV	Barranco	
PBDV	Barranco-do-Velho	
PBAR	Barrancos	
PBEJ	Beja	
PBRG	Braganca	
PSVI	Cabo S. Vicente	
PCAB	Cabril	
PCAS	Casmilo, Condeixa	
PCBR	Castelo Branco	
PCVE	Castro Verde	
COI	Coimbra	
PCOI	Coimbra	
PESTR	Estremoz	
EVO	Evora	
NE27	Evora	EVO
FAR	Faro	
PFARO	Faro	
PFFO	Foia	
PGAV	Gavieira, Arcos de Valdevez	
INMG	Instituto de Meteorologia, Lisbon	
PLAGO	Lagos	
POLO	Lamas de Olo	
LIS	Lisbon	
PMST	Lisbon--Monsanto	
PLOU	Loures	
PMAFR	Mafra	
MTE	Manteigas	
MORF	Marmelete	
PMRV	Marv??o	
MESJ	Messejana	
MVO	Moncorvo	
MTH	Montachique	
PMTG	Montargil	
PFMF	Monte Figo	
FIG	Monte Figo	
PMJU	Montehunto	
MOE	Montemor	
PNCL	Nicolau / Grandola	
PLML	Palmela	
PDRG	Pedrog??o	
PFPE	Pera	
PRL	Portalegre	
PPOR	Portimao	
PTO	Porto	
PFSC	Santa Clara	
PFSB	Sao Bartolomeu	
PSBE	S˜£o Bento	
EVOP	Sao Brissos	
PTEO	Sao Teotonio	
PSSC	Serra do Socorro	
SETU	Setubal (Portugal)	
PTAV	Tavira	
PTOM	Tomar	
PVAQ	Vaqueiros	
PSRV	Vialonga--Serves	
PFVI	Vila Bisbo	
PVRL	Vila Real	
PVIS	Viseu	
NE21		MTE
Provence-Cote d'Azur		
FLAUT	fort du Flaut	
FLOF	La Fare-les-Oliviers - 13037	
STROF	presqu˝file de Saint-Tropez - 83065, Gassin	
Romania		
ADJ	ADJUD	
AMRR	Amara	
ARCR	ARCALIA	
ARR	Arges	
BAC	Bacau	
BMR	Baia Mare	
BAIL	Bailesti	
BANR	Banloc	
BERR	Berezeni	
BIZ	Bicaz	
BIR	Birlad	
BISRR	Bisoca	
BISC	BISOCA	
BRD	Bordesti	
BRAG	Branistea	
BUC	Bucharest	
BUC2	Bucharest	BUC1
BUC1	Bucharest	
BAPR	Bucharest-Childs Park	
BGMR	Bucharest-Geological Museum	
BTMR	Bucharest-Geotec Company	
BBIR	Bucharest-INCERC-borehole	
RBAR	Bucharest-INCERC-Test Bldg	
BVCR	Bucharest-Old Court	
BSTR	Bucharest-Scientist's House	
BLHR	Bucharest-Stefan cel Mare Str.	
BURAR	Bucovina Array	
BUR03	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR07	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR01	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUCF	Bucures@17ti--IRSA	
SGEB	BUCURESTI	
DTIR	Bucuresti-Nicolae Titulescu	
BUR33	BURAR	
BUR32	BURAR	
BUZR	Buzau	
BZS	Buzias	
CA02	CA02	
CA03	CA03	
CA04	CA04	
CA05	CA05	
CA06	CA06	
CA07	CA07	
CA08	CA08	
CA09	CA09	
CA10	CA10	
CA11	CA11	
CA12	CA12	
CA13	CA13	
CA15	CA15	
CA16	CA16	
CA17	CA17	
CA18	CA18	
CA19	CA19	
CA20	CA20	
CDB	Caldarusani	
CGN	Calugareni	
CMP	Campulung	
CFR	Carcaliu	
CEI	Carei	
CB02E	CB02E	
CB03E	CB03E	
CB04B	CB04B	
CB05A	CB05A	
CB05B	CB05B	
CB07E	CB07E	
CB09E	CB09E	
CB11E	CB11E	
CC01	CC01	
CC03E	CC03E	
CC05	CC05	
CC06A	CC06A	
CC06B	CC06B	
CC07	CC07	
CC08A	CC08A	
CD01	CD01	
CD04	CD04	
CD06	CD06	
CD07	CD07	
CD10	CD10	
CD11	CD11	
CD12	CD12	
CD14	CD14	
CD15	CD15	
CD16	CD16	
CD17	CD17	
CD19	CD19	
CE01	CE01	
CE02	CE02	
CE03	CE03	
CE04	CE04	
CE05	CE05	
CE06	CE06	
CE07	CE07	
CE08	CE08	
CE09	CE09	
CE11	CE11	
CE13	CE13	
CE15	CE15	
CE16	CE16	
CE17	CE17	
CE18	CE18	
CE19A	CE19A	
CE20	CE20	
CE21	CE21	
CE22	CE22	
CE23	CE23	
CE24	CE24	
CE25	CE25	
CEA	Ceahlau	
CVDA	Cernavoda	

Code	*Station Name*	*Other*
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CNCR	Cernica	
CF01	CF01	
CF02	CF02	
CF04	CF04	
CF05	CF05	
CF06	CF06	
CF07	CF07	
CF08	CF08	
CF09	CF09	
CF10	CF10	
CF11	CF11	
CF13	CF13	
GSMB	CHITILA	
CIOR	Ciorogarla	
CL01	CL01	
CL02	CL02	
CL03	CL03	
CL04	CL04	
CL05	CL05	
CLIR	CLINCENI	
CLO	Closani	
CLU	Cluj	
CBBR	Cluj-Babes-Bolyai University	
CJR1	Cluj-Napoca	
CJR	Cluj-Napoca	
CM02E	CM02E	
CM03E	CM03E	
CM05E	CM05E	
CM08E	CM08E	
CMO6E	CMO6E	
CN03	CN03	
CN05	CN05	
CN07	CN07	
CLI	Colonesti	
CTISU	Constanta	
CCF	CONSTANTA	
TSCT	Constanta Port	
COPA	Copaceanca	
CVO	Covasna	
COZ	Cozia	
CRAR	CRAIOVA	
CS01	CS01	
CS02	CS02	
CS03	CS03	
CS04	CS04	
CS05	CS05	
CS06	CS06	
CS07	CS07	
CS08	CS08	
CZ01	CZ01	
CZ03	CZ03	
CZ04	CZ04	
CZ05	CZ05	
CZ06	CZ06	
CZ07	CZ07	
CZ08	CZ08	
CZ10	CZ10	
DEV	Deva	
DOC	Dochia	
DOPR	Dopca	
DRR	Dragan	
DRA	Dragasani	
EFOR	EFORIE	
FTB	Fintinele	
FOC	Focsani	
GISR	Galati	
GIRR	Girov	
RMVG	GOVORA	
GZR	Gura Zlata	
RMGR	Halanga-Turnu Severin	
HARR	Harsova	
HNM	Heniu Mare	
HERR	Herculane	
HUMR	Humele	
IAS	Iasi	
INCR	INCERC-Sediu Central	
ICOR	Ion Corvin	
ISRF	Istric ta	
ISR	Istrita	
CLISU	ISU Calarasi	
DJISU	ISU Dolj	
GRISU	ISU Giurgiu	
MHISU	ISU Mehedinti	
OTISU	ISU Olt	
TRISU	ISU Teleorman	
IZVR	Izvoarele	
IZVB	Izvoarele B	
JOSR	Joseni	
JURR	Jurilovca	
LEHL	Lehliu	
LRR	Leresti	
LOPT	Lopu atari	
LOT	Lotru	
MII	Malini	
MSR	Malnas	
MANR	Mangalia	
TSMN	Mangalia Port-Far Verde	
MTUR	Matau	
MDB	Medias	
MESR	Meseseni	
MOGR	Mogosoaia	
PMGR	Mogosoaia	
MDVR	Moldovita	
MSAB	Monastry St. Andrei	
MLR	Muntele Rosu	
MFTR	Murfatlar	
NEGR	Negresti	
NEHR	Nehoiu	
NARJ	Nu aruja	
ODBI	Odobesti	
ODB	Odobesti	
ONCR	Oncesti	
PCHR	PETRACHIOAIA	
PETR	Petresti	
PTT	Piatra Neamt	
PPF	PLOIESTI	
PLAR	PLOIESTI	
PLOR7	Plostina	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PGOR	Pogoanele	
PMRF	Poiana Mare	
PPE	Popeni	
POPR	Popesti-Leordeni	
PUNG	Punghina	
RASA	Rasa	
PRAR	RASCA	
SCTR	Scanteiesti	
SCHL	Schela	
SCHRR	Schitu	
SBE	Sebes	
AAR	Sfinta Ana	
SIBR	Sibiu	
SNX	Sinaia	
SGRR	Singureni	
SIRR	Siria	
SLCR	Slobozia Conachi	
STFR	Stefanesti	
STFAR	Stefanesti-Arges	
SRE	Strehaia	
TSSL	Sulina	
SDR	Surduc	
SSR	Susara	
SSA	Susara	SSR
TATR	Tatarca	
TESR	Tescani	
TIM	Timisoara	
TIRR	Tirgusor	
TLB	Topalu	
TLBR	Topalu	
TOPG	Topolog	
TPGR	Topolog	
TUU	Turnu Rosu	
TNR	Turnu Rosu	
VLR	Valea Ierii	
VARL	Varlezi	
VASR	Vaslui	
VCT	Victoria	
VLDR	Vladesti	
VLAD	Vladila	
COVR	Voineasa-Covasna	
VRI	Vrincioaia	
SECR		
GALR		
VARR		
LUCR		
GHRR		
TLCR		
ZIMR		
TUDR		
VOIR		
FULR		
SULR		
HADR		
LTRR		
OZUR		
SIRB		
GRER		
GOLR		
DRGR		
Russia		
Karel'skaya		
FP03	FP03	
FP05	FP05	
FR05	FR05	
San Marino		
RSM	Repubblica di San Marino	
ESMR	San Marino	
Schleswig-Holstein		
SKMB	Sankelmark Bunker	
Serbia		
BARS	Barje	
BGY	Belgrade	
BEO	Beograd	
BOLS	Boljevac	
BOSS	Bosilegrad	
BOVS	Bovan	
VVOS	Brankovina	
DIVS	Divibare	
DJES	Djerdap	
FGSL	Fruska Gora	
FRGS	Fruska Gora	
GRUS	Gruza	
HOPOS	Hopovo Monastery	
IVAS	Ivanjica	
KMIS	Kosovska,, Mitrovica	
KUBS	Kucevo	
BBLS	Lazići	
MDRV	Mala Drenova	
NOVS	Nova Varos 1	
NVSS	Nova Varos 2	
PTNS	Petnica	
PRVS	Prvonek	
RUDS	Rudovci	
SELS	Selova	
SJES	Sjenica	
STRS	Struganik	
SVIS	Svilajnac	
TEKS	Tekeris	
TRUS	Trudelj	
ZAGS	Zajecar	
ZAPS	Zavoj	
NISS		
Slovakia		
ZST	Bratislava	
BRA	Bratislava	
CRVS	Cervenica-Dubnik	
HRB	Hurbanovo	
SRO1	Iza	
IZAB	Izabela	
KECS	Kecovo	
KOLL	Kolacno	
KOLS	Kolonicke sedlo	
LIKS	Likavka	
LANS	Liptovska Anna	
SRO2	Moca	
MODS	Modra-Piesok	
POLL	Polichno	
SPC	Skalnate-Pleso	
SMOL	Smolenice	
SRO	Srobarova	
STHS	Stebnicka Huta	
VYHS	Vyhne	
Slovenia		
BISS	Bistriski jarek	
BOJS	Bojanci	
KBZS	Brezje pri Sen	
CADS	C@19adrg	
CRES	C@19res@19njevec Ostr	
CEY	Cerknica	
CESS	Cesta pri Krskem	
CRNS	Crni Vrh	
DOBS	Dobrina	
DBY	Dobrovo	
GOLS	Golis@17e	
GBAS	Gorenja Brezovica	
GRJ	Gorje	
GORS	Gorjuse	
GBRS	Gornja Briga	
GCIS	Gornji Cirnik	
GROS	Grobnik	
JAVS	Javornik	
KNDS	Knez@19ji Dol	
KOGS	Kog	
LEGS	Legarje	
LJU	Ljubljana	
MOZS	Mozjanca	
PERS	Pernice	
PDKS	Podkum	
ROBS	Robic@19	
SKDS	Skadanscina	
VBY	Vinica-Bojanci	
VISS	Vis@19nje	
VOY	Vojsko	
VOJS	Vojsko	
VNDS	Vrh nad Dolskim	
ZAVS	Zavodnje	
Spain		
Balearic Islands		
EIBI	Ibiza	
MAHO	Mahon	
ETOS	Mallorca	
ESEL	Selva	
Canary Islands		
CHIO	Chio	
CDLV	Cueva Verdes	
CCUM	Cumbre, El Hierro	
CTIG	El Hierro	
CHIE	El Hierro	
CTAN	El Hierro	
CJUL	El Julon, El Hierro	
CFTV	Fuerteventura	
CFUE	Fuerteventura	
GGC	Guia Canaria	
GUI	Guimar	
CICO	Icod de los Vinos	
EGOM	La Gomera	
CLAN	Lanzarote	
CRST	La Restinga, El Hierro	
CCAN	Las Canadas	
CTAD	Las Tabladas, Isla de El Hierro	
CMCL	Mercadel, El Hierro	
CRAJ	Montana Rajada	
MACI	Morro de la Arena	
CORC	Orchilla, El Hierro	
TBT	Taburiente	
CTFE	Tenerife	
TEN	Tenerife	
CVVD	Valverde	
VVD	Valverde	
Ceuta		
CEUT	Ceuta	
EADA	Adamuz	
ADRA	Adra	
EXAD	Adra	
E011	Adriano, Sevilla	
EAGO	Agolada(Pontevedra)	
ERON	Agron	
NE11	Ainzon	
ALBA	Albanya	
EALB	Alboran	
ALBO	Alboran Island OBS	
EXAL	Albunol	
ALCN	Alcanar	
AFC	Alfacar	
ALCS	Alfacar	
EXAO	Algodonales	
EXAA	Alhama Almeria	
EALH	Alhama de Murcia	
EXAG	Alhama Granada	
ALI	Alicante	
EXAI	Alicante	
ALJ	Aljibe	
EALK	Alkurruntz	
EXAM	Almeria	
ALM	Almeria	
E015	Alquife, Granada	
ARAC	Aracena	
YARA	Arangoiti	
EARA	Aranguren	
EXAR	Arenas del Rey	
ARNO	Arenosillo	
EARI	Arriondas	
AAPN	Arroyo Pinares	
YASP	Aspurt	
AVN	Avellanes	
E017	Aznalcollar, Sevilla	
EXBA	Badajoz	
EBAD	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EXBZ	Baza	
E009	Beas, Huelva	
EXBE	Becerrea'	
EBEN	Beniarda	
EBEN2	Beniarda presa Alicante	
EXBN	Benidorm	
YBER	Berdun	
EBER	Berja	
CBEU	Beuda	
EBIE	Bielsa	
CBRU	Bruguera	
BRUG	Bruguera	
E022	Bujalance, Cordoba	
ACBG	Cabo de Gata	
EXCA	Cadiz	
E006	Caete la Real, Malaga	
ECAL	Calabor	
ACLR	Calar Alto	
AALM	Campus Universitario de Almeria	
ACU	Canalobre	
CANF	Canfranc	
CART	Cartagena	
CRT	Cartuja	
COBS	Casablanca	
E005	Casares, Malaga	
CCAS	Cassa de la Selva	
E032	Castillo de Giribaile, Vilches, Jaen	
SCRT	Cerro San Cristobal	
ECEU	Ceuta	
CEU	Ceuta	
ECHE	Chera	
EXCH	Chimeneas	
ACHM	Chimeneas	
ECHI	Chisagues Bielsa	
EVIV	Cofrentes, Valencia	
ECOG	Cogollos-Vega	
CNIL	Conil	
ECRI	Cripan	
EXDI	Dilar	
DILR	Dilar	
EBRE	Ebro Roquetas	
EBR	Ebro Roquetas	
ECAB	El Cabril	
EXEL	Elche	
IELO	Elcoad	
EXED	Elda	
EXEE	El Ejido	
EGRO	El Granado	
ELIZ	Elizondo	
E019	El Pedroso, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E932	Embalse del Gaudalen, Jaen	
IEPA	Eparoz	
ESPR	Espera	
ESPO	Espot	
ESTP	Estepa	
EXES	Estepona	
CEST	Esterri de Cardos	
FBR	Fabra	
EFAM	Famara	
FONT	Fontmartina	
CFON	Fontmartina	
AFON	Font Roja	
AFUE	Fuente Hervidero	
EXGA	Gandia	
CGAR	Garraf	
GIBL	Gibalbin	
GORA	Gorafe	
NE14	Granada	
EGRA	Graus	
GUD	Guadarrama	
EGUA	Guajares	
EXGUA	Guardamar (Alicante)	
HACH	Hacho	
EHRO	Hierro	
EHIG	Higuera	
EHOR	Hornachuelos	
HORN	Hornachuelos	
ERTA	Horta de San Juan	
E025	Huelma, Jaen	
EXHU	Huelva	
EHUE	Huescar	
EINC	Incio	
ALR	Isla de Alboran	
IPRE	Itoiz	
EXJA	Jaen	
JAND	Jandula	
E028	Jerez de los Caballeros, Badajoz	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EXJU	Jumilla	
NE11*	La Almunia	
EJON	La Jonquera	
EMUR	La Murta	
ELAN	Lanestosa	
ERUA	La Rua	
E031	Las Morras, Villanueva del Duque, Cordoba	
CAVN	Les Avellanes	
E034	Letur, Albacete	
LIJA	Lijar	
CLLI	Llivia	
ELOB	Lobios	
LGR	Logrono	
ALOJ	Loja	
EXLO	Lorca	
TLOR	Lorca, Murcia	
EXLR	Lorqui	
ELGU	Los Guajares, Granada	
EXLU	Lugo	
ELUQ	Luque	
MDD	Madrid	
EXMA	Malaga	
MAL	Malaga	
EMAL	Malaga-Limonero	
E012	Marchena, Sevilla	
E024	Martos, Jaen	
CMAS	Mas de Barberans	
EMAZ	Mazaricos	
EMEL	Melilla	
MELI	Melilla	
EMIJ	Mijas	
EMIN	Mina Concepcion	
EMIR	Miracle	
MOMI	Momias	
EMON	Mondonedo	
POBL	Monestir Poblet	
MRB	Monserrat	
EMOS	Mosqueruela	
EXMO	Motril	
EXMU	Mula	
YNAR	Nardues-Aldunate	
ANER	Nerja	
ENIJ	Nijar	
E033	Ojanco, Jaen	
OJEN	Ojen	
OLT	Olot	
EXOR	Olula del Rio	
ORG	Organya	
CORG	Organya	
ORGV	Orgiva	
CORI	Orista	
E007	Orjiva, Granada	
EORO	Oroz-Betelu	
EOSO	Osorio	
E010	Palacio de Doana, Huelva	
CPAL	Palau Saverdera	
EXPA	Pamplona	
PARA	Parapanda	

Code	Station Name	Other
APCG	Parque de las Ciencias	
YMUS	Pe˜–a Musera	
E030	Peraleda del Zaucejo, Badajoz	
APHE	Pico Herrero	
PINR	Pinar	
EPLA	Plasencia	
PLAT	Plata	
EPOB	Poblet	
PONT	Pont de Suert	
EPON	Pontenova	
EPRU	Pruna	
E002	Puerto del Bujeo, Cadiz	
NE13	Puertollano	
EQUE	Quentar	
EQES	Quesada	
RANB	Rancho Bola	
REAL	Reales	
RESI	Resinera	
ERIP	Rio Piedras	
TINT	Rio Tinto	
EROQ	Roquetas del Mar	
E016	Rosal de la Frontera, Huelva	
E008	San Bartolome de la Torre, Huelva	
ESAC	San Caprasio	
SFUC	San Fernando	
SFS	San Fernando	
PAB	San Pablo	
EPAB	San Pablo	
SRQ	San Roque	
E020	Santaella, Cordoba	
NE30	Santa Pau	
STS	Santiago	
NE26	Santiago de Compostela	
SESP	Santiago Espada	
EXSA	Sarria	
ASCB	Sierra Cabrera	
E026	Sierra de Lcar, Granada	
ELIJ	Sierra de Lijar	
E001	Sierra del Retn, Cadiz	
ELVI	Sierra Elvira	
SELV	Sierra Elvira	
EGOR	Sierra Gorda, Loja, Granada	
ELOJ	Sierra Loja	
ASMO	Sierra Morrones	
YSIG	Sigues	
ESBB	Sonseca Array BB	
ESDC	Sonseca Array Beam Reference Point	
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
CSOR	Sort	
YSOS	Sos del Rey Catolico	
EXTA	Tarifa	
ATEJ	Tejeda	
ETER	Terradas	
ETOB	Tobarra	
TOL	Toledo	
NE17	Toledo	TOL
TLO	Toledo HGLP	
E013	Torcal de Antequera, Malaga	
TORR	Tordecillas	
ETOR	Torete	
EXTO	Torrevieja	
E035	Torrevieja, Alicante	
CTRE	Tremp	
CADI	Tunel del Cadi	
IUNC	Unciti	
YUND	Undues	
UCM	Universidad Complutense Madrid	
E029	Usagre, Badajoz	
IUSE	Utxeti	
CARA	Val dAran	
NE12	Valle Caidos	
EVAL	Valverde	
VAN2	Vandellos 2	
VELZ	Velez Rubio	
EXVE	Vera	
EVIA	Vianos	
VIH	Vielha	
VILA	Vilada	
E021	Villaviciosa de Cordoba, Cordoba	
EZAM	Zamans	
NE28	Zamora	
IZUN	Zunzarren	
NE22		MAL
NE23		FBR
NE25		EBR
NE20		ALM
NE19		LGR
NE24		ALI
Sweden		
ABB	Abborrasen	
ABK	Abisko	
ASPU	Aespoe	
ATR	Alsterbro	
APP	Appelbo	APO
ARNU	Arnoeviken	
ASKU	Askersund	
APO	Äppelbo	
BACU	Backbrunna	
BJUU	Bjuv	
BLEU	Blekinge	
BORU	Boraas	
BYD	Bredaryd	
BREU	Bredtraesk	
FIBU	Brunna	
BURU	Burvik	
BYXU	Byxelkrok	
DEL	Delary	
DEL1	Delary	
DUNU	Dundret	
EKSU	Eksjoe	
ERTU	Ertsjaerv	
ESKU	Eskilstuna	
FKPU	Falk	
FABU	Falkenberg	
FALU	Falun	
FINU	Finntorp	
FLYU	Flymyra	
FORU	Forsmark	
GNOU	Gnosjoe	
NE01	Goteborg	
GOT	Goteborg	
GOTU	Gotland	
GRAU	Graesoe	
GBD	Granbergs Dal	
GNN	Gunnerudssatern	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HVK	Hallstavik	
HARU	Harads	
HASU	Hassela	
HED	Hedekas	
HEMU	Hemsoen	
HRN	Horndal	
HUDU	Hudiksvall	
HUSU	Husum	
IGGU	Iggoen	
KALU	Kalix	
KLS	Karlskrona	
KTN	Katrineberg	
KIR	Kiruna	
KUA	Kurravaara	
LANU	Lannavaara	
RATU	Laukkuluspa	
LILU	Lilltraesk	
LNKU	Linkoeping	
LUN	Lund	
LUNU	Lund	
MRE	Mariestad	
MASU	Masugnsbyn	
MYV	Myrviken	
NSD	Nasudden	
NIKU	Nikkaluokta	
NRAU	Nora	
NOD	Norderasen	
NRTU	Norrtaelje	
NYK	Nykoping	
NYNU	Nynaeshamn	
OSTU	Oestervaala	
OLDS	OLDS	
OLF	Olofstrom	
ONAU	Onsala	
ONSU	Onsala	
ORK	Orkelljunga	
OSKU	Oskarshamn	
PAJU	Pajala	
ROTU	Roteberg	
KOVU	Salmi	
SALU	Saltoluokta	
SJUU	Sjulsmark	
SKA	Skalstugan	
SOLU	Sollefteaa	
ODEU	Stanfors	
SGAS	Stanga	
SLL	Stollet	
STRU	Stroemstad	
SVAU	Svanoeiden	
T031	T031	
T034	T034	
T035	T035	
T036	T036	
T037	T037	
T038	T038	
T039	T039	
T043	T043	
T044	T044	
T052	T052	
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T076	T076	
T077	T077	
T14S	T14S	
T16S	T16S	
T18S	T18S	
T30S	T30S	
T40S	T40S	
T41S	T41S	
T42S	T42S	
T60S	T60S	
T897	T897	
T898	T898	
TNU	Tenhult	
TJOU	Tjoern	
TBY	Torsby	
UDD	Uddeholm	
UME	Umea	
UMAU	Umeaa	
UPP	Uppsala	
VANU	Vaenersborg	
NASU	Vaermlandsnaes	
VSTU	Vaestervik	
VXJU	Vaexsjoe	
VNY	Varmlds Nysat	
VAS	Vassijaure	
VEB	Veberod	
VIKU	Vikbolandet	
VIM	Vimmerby	
Switzerland		
Luzern		
SLUW	Luzern Werkhofstrasse	
Raron		
LAUCH	Lauchernalp	
ACHB	Acheberg	
AIGLE	Aigle	
SAIG	Aigle Rue de la Gare	
APL	Alpnach	
SALTS	Altdorf, Kantonsspital	
SARE	Arbon, Evangelische Kirche, TG	
SAUR	Augst-Roemermuseum	
SBAS	Baar Spital, ZG	
BALST	Balsthal	
BNALP	Bannalp	
BBS	Basel-Blauen	
SBAF	Basel-Friedhofgasse	
SBAK	Basel, Klybeck	
SBAM2	Basel, M˚…nster, BS	
SBAP	Basel-PUK	
SBAJ2	Basel, St Johann, BS	
SBAT	Basel-Tropenhaus	
SBAV	Basel, Vogelsang, BS	
SBAW	Basel, Wirtschaftsgymnasium, BS	
BAS	Basle	
BERNI	Berninapass	
SBERN	Bern, Kleine Schanze	
SBEG	Bettingen Gewerbehaus	
SBIK	Biel, Kongresshaus, BE	
SBIS2	Binningen	
SBIF2	Birsfelden, Friedhof	
BOBI	B˚¶bikon, Wasserreservoir Allmend, AG	
BOURR	Bourrignon	
BRI	Brig	
BIBA	Brigerbad	
SBRS	Brig, Spital	
BUB	Buchberg	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUH	Buchs, Hochschule	
SCEL	Celerina	
SULZ	Cheisacher	
CHIR1	Chironico	
CHU	Chur	
SCUG	Chur Gewerbeschulhaus	
ESION	College des Creusets, Sion	
SCOU	Cournillens	
CUNA	Curaglia	
DAVOS	Davos	
DAVON	Davos	
DAVOX	Davos/Dischmatal	
ZUR	Degenried	
SGT03	Degersheim	
DOETR	Doetra (Olivone)	
SIEB	Ecole de Borzuat	
SGT05	Eggersriet	
EMBD	Embd, Mattertal	
EMMET	Emmethof	
EMING	Emmingen-Liptingen DE	
EMO	Emosson	
EMS	Emosson-Mur	
SEMOS	Emosson Staumauer, Bunker	
FIESA	Fiescheralp	
FLACH	Flaach	
EWZT1	Frdhf. Weidikon, ZR	
SFRA	Frenkendorf	
FUSIO	Fusio	
SGT01	Gaiserwald	
SGEV	Gen˜ve, Vieux-Billard	
SGEM	Genf, Marziano	
DIX	Grande Dixence	
GRIMS	Grimsel Gerstenegg	
GRYON	Gryon	
ELAUS	Gymnase	
HALTI	Haltingen (BS)	
HAMIK	H˝mikon, D˝likerfeld, LU	
HASLI	Hasliberg/Brienz	
SINS	Interlaken, Schloss	
SKAF	Kaiseraugst-Friedh	
KAMOR	Kamor	
LIENZ	Kamor/St.Gall Rh.T	
EBUEL	Kantonsschule Buelach	
EWATT	Kantonsschule Wattwil	
SKLW	Kloten, Waffenplatz, ZH	
SKRK	Kreuzlingen, Kantonsschule TG	
SALAN	Lac Salanfe	
SENIN	Lac Senin/Sanetsch	
RITOM	Lago Ritom (SBB)	
NOV4	La Tour-de-Pellz	
SEPFL	Lausanne EPFL	
SAIRA	Les Sairains Dessus	
BRANT	Les Verrieres	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
EBELL	Liceo Cantonale, Bellinzona	
SLTM2	Linthal, Matt	
LLS	Linth-Limmern	
LUKA1	Lukmanier-Pass	
DAGMA	Lutertal, Dagmarsellen	
SLUB	Luzern Bramberg	
SLUK	Luzern Kirche, LU	
SLUZ	Luzern Zentralbibliothek	
ELFMC	Lycee	
SMAO	Martigny, Rue dOctodure	
MMK	Mattmark	
MAUBO	Mauborget	
SMAF	Mauren, Feuerwehr, FL	
MELS	Mels	
MTI03	Mont Terri (freefield, SED-Schacht NW400, Brunefarine) JU	
MTI02	Mont Terri, (HE Schacht)	
MTI01	Mont Terri (ME Nische)	
SMOE	Moudon ˜'cole, VD	
MUGIO	Muggio	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MUO	Muotathal	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMZW	Muttenz-Waldhaus	
NARA	Nara (Leontica)	
NEC	Neuchatel	
NEU	Neuchatel	
SNES2	Neuenburg, Observatorium, NE	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
FUORN	Ofenpass-Fuorn	
SOLS	Olten Spital, SO	
ORB	Orbe	
OTTER	Otterbach	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OSS	Ova Spin	
PFAFF	Pfaffnau Reservoir	
PANIX	Pigniu (Panix)	
PLONS	Plons/SG	
SRER	Reinach, Rainenweg	
SRNR	Reinach, Reinacherhof	
RIEH2	Riehen 2 (BS)	
SRHB	Riehen-Baumlih	
SRHE	Riehen, Erlenstr˚sschen, BS	
SRHH	Riehen, Zur Hoffnung, BS	
ROMAN	Romanshorn, Forsthaus, TG	
ROTHE	Rothenfluh	
SAX	Saentis	
SARK	Sarnen Kantonsschule	
SCHE	Schaffhausen-Ebnat	
SCHS	Schaffhausen, Spital	
SGT04	Schlatt-Haslen	
SLE	Schleitheim	
MATTE	Schuetzenmatte (BS)	
SSCN	Schweizerhalle, Novartis	
SCUC	Scuol-Clozza	
SGT00	Sennh˚…lsen	
SIERE	Sierre	
SIMPL	Simplonpass	
SIS	Sion	
SIOM	Sion-Mayennets	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SOLB	Solothurn Schulhaus Br˚…hl	
SOLZ	Solothurn, Zeughausgasse	
CURA	Stauanlage Cunera	
STEIN	Stein am Rhein	
STGK	St. Gallen Kloster	
GIMEL	St. Georges / Gimel	
STIEG	Stiegenhof Hundestation	
JOHAN	St. Johann (BS)	
STAF	Tafers	
TMA	Tamaro	
STHK	Thun, Kantonsschule BE	
TORNY	Torny/Romont	
TONGO	Tortengo (Faido)	
EWZT0	Triemli, ZR	
STRW	Triesenberg, Werkhof, FL	
TRULL	Truellikon	
STSP	Tschierv	
PIORA	Tunnel	
EWZT3	Uitikon, ZR	
VDL	Val di Lei	
NALPS	Val Nalps	
SVAM	Vaz, Muldain	
EMV	Vieux Emosson	
SVIL	Visp Littennaring	
SVISP	Visp, Lonza VS	
SVIO	Visp Obere Stapfengasse	
SVIT	Visp-Terbinerstrasse	
VANNI	Vissoie, Val d'Anniviers	
WALHA	Wallhausen, DE	
WEIN	Weingarten	
EWZT2	Wettswil, ZR	
WILA	Wila	
WIMIS	Wimmis	
SWIS	Winterthur Spital, ZH	
WOLEN	Wohlen bei Bern, Struchismoos, BE	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SZER	Zernez	
SGT02	Zihlschlacht	
ZLA	Zuerich Laegern	
ZUL	Zurich-Lageren	
SZUZ	Z˚…rich, Zeughauswiese	
Valais		
SGRA	Graechen Ausblick	
SNIB	St. Niklaus Bahnhofstrasse	
Thessaly		
ALM1	Almyros	
KAR2	Kardistsa	

Ukraine
ALU Alushta
BERU Beregovo
BRIU Brid
CHRU Chernivtsi
CRA Chernovtsy
CRB Chernovtsy (B)
FEO Feodosiya
HOLU Holmets
HORU Horodok
KERU Kerch
KIEV Kiev
KORU Korolevo
KSV Kosov
KMPD K-Podol'skiy
LVV L'vov
MKY Makeyevka
AKASG Malin Array Beam Reference Point
AK01 Malin Array Site 01
AK02 Malin Array Site 02
AK03 Malin Array Site 03
AK04 Malin Array Site 04
AK05 Malin Array Site 05
AK06 Malin Array Site 06
AK07 Malin Array Site 07
AK08 Malin Array Site 08
AK09 Malin Array Site 09
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AK11 Malin Array Site 11
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AK16 Malin Array Site 16
AK17 Malin Array Site 17
AK18 Malin Array Site 18
AK19 Malin Array Site 19
AK20 Malin Array Site 20
AK21 Malin Array Site 21
AK22 Malin Array Site 22
AK23 Malin Array Site 23
AKBB Malin Array Site BB
MEZ Mezhgor'ye
MORS Morshin
MRSS Morshin MORS
MORU Morshyn
MUKU Mukachevo
NIKV Nikolaev
NDNU Novodnistrovsk
NDNU1 Nyshivtsy
NSLU Nyzhne Selyshche
NE56 Odesa
ONO Onokovtsy
NE58 Poltava
RAKU Rahkiv
RAK Rakhov
NDNU3 Rozkopintsy
SEVA Sevastopol
SEV Sevastopol'
NDNU2 Shebutintsy
SHIU Shidnytsya
SIM Simferopol'
NE55 Skvira
STNU Starunia
STZU Stuzhytsa
SUDU Sudak
TARU Tarkhankut
TRSU Trosnyk
UZH Uzhgorod
YAL Yalta
MI20 Yalta

United Kingdom
Channel Islands
JRS Jersey
JDC Jersey Dam (Crest)
JDG Jersey Dam (Gallery)
JLP Les Platons
JQE Queens East
JSA Saint Aubin
JVM Valle D.L. Mare
England
HAE Alders End
XAL Allendale
AFH Ashford Hill
ABA1 Baconsthorpe
BHM Barham
BATH Bath
BID Bidston
BMY Bingley Moor
KBI1 Birley Grange
BKN Blacknest
HBL2 Bonnylands
LBO Bowland
TBW Brentwood
BUW Bucklebury West
CBW1 Budock Water
BUWY Burn
CCA1 Carnmenellis
LCP Cassop
CWF Charnwood Forest
CHDUK Cheddleton UK
CLB Chilbolton
TCR Colchester
DCO Combe Farm
CCO1 Constantine
LCK Crook
XDE Dent Fell
CDU1 Dunnerdale
DUR Durham
AEU East Anglia University
TEB Eastbourne
EDMD Edmundbyers
ELSH Elham, Standardhill Farm (Kent)
HEX Exmoor
TFO1 Folkestone
GDLE Glaisdale, N Yorkshire Moors
CGH1 Goonhilly
HGH Gray Hill
GILD Guildford
CGW Gweek
HTL Hartland
SFH Hasselmere
HPK Haverah Park
HEA Headley
HMNX Herstmonceux
HHWY High Hoyland
LHO Holmfirth
SIW Isle of Wight
CKE Keswick
KESW Keswick, Cumbria
KEW Kew
KEY2 Keyworth
KEY1 Keyworth
LKL Kirkby Lonsdale
SKP1 Kophill
LBWR Ladybower, Peak District
LDU Leeds University
LVR Liverpool
LLO Longridge
LLY Lytham Saint Anne's
CMA1 Manaccan
LMK Market Rasen
SMD Mendips
CME Menerdue Farm
MMY Middlesmoor
LMI Millom
LBH Morecambe B102
OLDB Oldbury-Upon-Severn
OMWY Oxenhope Moor
OXD Oxford
APAE Packway
CPZ Penzance
POE Porton East
POS Porton South
QMB Queensbury
LRN Richmond
CRQ Rosemanowes
CRQ2 Rosemanowes 2
SBD Saint Breward
CSF Scaffel
SLPK Sellapark
TSA1 Sevenoaks
SHT Sharpitor
SHID Shide
SCK South Creake
CSA1 St Austell
CST1 Stithians
STNC Stoke
STO Stonyhurst
SSW Stow on the Wold
STRD Stroud
SWN1 Swindon
SWG Swingate, Kent
KSY Syston
BTA Talkin
KTG1 Tilbrook Grange
KUF Ufford
SWK Warminster
KWE Weaver Farm
WACR West Acre
WBE West Bromwich
AWH Whinburgh
LWH Whinny Nab
AWI1 Witton
WOL Wolverton
WON Wolverton North
DYA Yadsworthy
Northern Ireland
CLGH Cloghs, Cushendall
GCL Cushendall
GMM Mts of Mourne
Orkney Islands
OHO Hoy
OST Stronsay
OWE Westray
Scotland
ABE Aberdeen
EAB Aberfoyle
KAC Achnashellach
MVH1 Achvaich
KAR1 Arisaig
EAU Auchinoon
EBH Black Hill
BBO1 Bothel
OBR Brabster
EBL Broad Law
BBH Bruntsheil
RCR Cape Wrath
PCA1 Carrot
GCD Castle Douglas
ECK Cauldkaine Hill
BCC1 Chapelcross
MCD Coleburn Distillery
PCOU Corrie
BDL Dobcross Hall
MDO Dochfour
EDR Drumtochty
EDU Dundee
EDI Edinburgh
REB Eisghbrachaidh
EKG Eskdalemuir EKB
EKB Eskdalemuir
ESK Eskdalemuir
EKA Eskdalemuir Array
EKB1 Eskdalemuir Array Site B1
EKB10 Eskdalemuir Array Site B10
EKB2 Eskdalemuir Array Site B2
EKB3 Eskdalemuir Array Site B3
EKB4 Eskdalemuir Array Site B4
EKB5 Eskdalemuir Array Site B5
EKB6 Eskdalemuir Array Site B6
EKB7 Eskdalemuir Array Site B7
EKB8 Eskdalemuir Array Site B8
EKB9 Eskdalemuir Array Site B9
EKR1 Eskdalemuir Array Site R1
EKR10 Eskdalemuir Array Site R10
EKR2 Eskdalemuir Array Site R2
EKR3 Eskdalemuir Array Site R3
EKR4 Eskdalemuir Array Site R4
EKR5 Eskdalemuir Array Site R5
EKR6 Eskdalemuir Array Site R6
EKR7 Eskdalemuir Array Site R7
EKR8 Eskdalemuir Array Site R8
EKR9 Eskdalemuir Array Site R9
MFI Fishrie
RFO Forsnaval
EGL Gala Law
EGL1 Gala Law
GAL1 Galloway
PGBU Glenifferbraes
BHH Howats Hill
INVG Invergeldie, Comrie
KYL Kyle
MLA1 Latheron
LEWI Lewis, Hebrides
LAWE Loch Awe, Argyll & Bute
LINV Loch Inver, Assynt
ELO Logie Almond
DRUM Mains of Drumtochty
MME1 Meikle Cairn
PMSU Muirshiel
GMK Mull of Kintyre
KNR1 Nevis Range
BNA New Abbey
NEWG New Galloway
POB1 Observatory
KPL Plockton
ORE Reay
RRH Rhenigidale
RRR Rubha Reidh
RSC Scourie
KSK Scoval
KSB Sheil Bridge
XSO Sourhope Farm
ESY Stoneypath
RTO Tolsta
OTO Tongue
BIGH Upper Bighouse, Forsinard
BWH Wardlaw
Shetland Islands
LRW Lerwick
LRWS Lerwick
SANU Sandwick
SAN1 Sandwick
WAL1 Walls
WALU Walls
YELU Yell
YEL1 Yell
Wales
BYB Berrybush
WBR Bronaber
SBD1 Bryn Du
WPS Cemaes, Anglesey
WCB1 Church Bay
HCG Craig Goch
WFB Fairbourne
FOEL Foel Wylfa
LPW Lampeter
YLL Llanberis
LLW Llanuwychllyn
WLC Llyn Conwy
WLF1 Llynfaes
HLM1 Long Mynd
MCH1 Michaelchurch
MONM Monmouth
WME Myndd Eilian
HPE Pembroke
WPM1 Penmaenmawr
YRH Rhiw
YRC Rhoscolyn
RSBS Rosebush, Pembrokeshire
SSP1 Stoney Pound
WST Stwlan
HSA Swansea
HTR Trewern Hill
WVR Vyrnwy
YRE Yr Eifl

INDIAN OCEAN

Australia
Christmas Island
XMI Christmas Island
XMIS Christmas Island
Cocos Islands
CCK Cocos Island
COCO West Island
Heard Island
HII Heard Island

Chagos Archipelago
H08N1 Diego Carcia HYDROACOUSTIC SITE N1
H08S1 Diego Carcia HYDROACOUSTIC SITE S1
DGAR Diego Garcia
H08N2 Diego Garcia HYDROACOUSTIC SITE N2
H08N3 Diego Garcia HYDROACOUSTIC SITE N3
H08S2 Diego Garcia HYDROACOUSTIC SITE S2
H08S3 Diego Garcia HYDROACOUSTIC SITE S3
I52GB DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT

France
Amsterdam Island
AIS Amsterdam Island
Crozet Islands
CRZF Crozet Islands
H04N1 CROZET ISLANDS HYDROACOUSTIC SITE N1
H04N2 CROZET ISLANDS HYDROACOUSTIC SITE N2
H04N3 CROZET ISLANDS HYDROACOUSTIC SITE N3
H04S1 CROZET ISLANDS HYDROACOUSTIC SITE S1
H04S2 CROZET ISLANDS HYDROACOUSTIC SITE S2
H04S3 CROZET ISLANDS HYDROACOUSTIC SITE S3
Kerguelen Islands
KCA Cave
I23FR KERGUELEN INFRASONIC ARRAY REFERENCE POINT
KCH Monts Chateau
PMK Pointe Molloy
PAF Port-aux-Francais
KPB Port Bizet
KPD Port Douzieme
Reunion
PCR La Plaine Cafres
REU Reunion Island
RER Riviere de l'Est

Mauritius
RODM Citronelle, Rodrigues Island
MRI Mauritius Island
MRIV Mauritius Meteorological Services (Vacoas)
ROCAM Rodrigues Island Caves

Seychelles
SEY1 Mahe
MSEY Mahe Island
SEYC Seychelles

South Africa
Prince Edward Islands
MIO Marion Island

NORTH AMERICA

British Columbia
MBLB Minette Bay Lodge, Kitimat, BC, Canada

Canada
Alberta
ATHA Athabasca
BDMTA Bald Mountain Lookout Tower, Alberta
BAN Banff
DCA2 Baytree
BRGNA Bergen
BRLDA Berland Lookout Tower, Alberta
DCA1 Bonanza
CLM Coleman
DCA3 Cotillion Park
EDM Edmonton
ELD Ethyl Lake Duckett
FSMA Fort Smith
HILA High Level
HSPGA Hill Springs, Alberta
JP- Jasper JP-AT
JP-AT Jasper
KV-AT Keg River
KV- Keg River KV-AT
LGPLA Lodgepole
MANA Manning
MEDA Medicine Hat
MKRVA Milk River, Alberta
PRDA Priddis
RAYA Raymond Alberta
RDEA Red Earth Creek
STPRA Salt Prairie Lookout Tower, Alberta
SES Suffield
SWHSA Sweathouse Lookout Tower, Alberta
TMDA Turtle Mountain
WAPA Wapiti River
WALA Waterton Lakes
WS- Waterways WS-AT
WS-AT Waterways
WTMTA White Mountain Lookout Tower, Alberta
ORGA
British Columbia
HM-BC 100 Mile House
ALB Alberni
ALRB Anaheim Lake
ANMB Anmore
A07A Ashnola River, Keremeos
ATLB Atluck Lake
ATC Attachie
BFSB Bamfield
B928 Bamfield
BMSB Bamfield Marine Station
BNKB Banks Island
BPCB Bare Point
NCBC Barkley Canyon
BNB Barry Inlet
BBB Bella Bella
BCBC Bella Coola
BDBC Bennett Dam
WGB Blue River
BLBC Blue River
BQB Bob Quinn Lake
BNAB Bonilla
BIB Bowen Island
BPBC Brooks Peninsula
BMBC Bull Mountain
BUTB Butedale
BTB Buttle Lake
CK-BC Cache Creek
CK- Cache Creek CK-BC
CLSB Cack Lake
CBB Campbell River
SJB Cape Saint James
STJA Cape St.James
CPLB Carmanah Point Lighthouse
AHCB Chemainus
CTC Chetwynd
A06A Chilliwack
CLVB Cleveland Dam
COQB Coquitlam Dam
CLRS Cowichan Lake Research St
CWB Cumshewa
CCC Cusp Creek
DAWS Dawson Inlet
DIB Dawson Inlet, BC
H02S1 DAWSON INLET T-PHASE SITE S1
DLB Dease Lake

Code	Station Name	Other
DLBC	Dease Lake	
DPRB	Downie Pk Ridge	
DOWB	Downie Slide	
EDB	Eliza Dome	
ENGB	English Bluff	
ETB	Estevan Point	
FHRB	Fair Harbour	
FRC	Federal Ranch	
FRN	Fernie	
FNC	Finlay Fork	
FLLB	Fletcher Lake Big Creek, BC	
FKBC	Forrest Kerr	
FT-BC	Fort McLeod	
FT-	Fort McLeod	FT-BC
FNBB	Fort Nelson	
FL-	Fort Nelson	FL-BC
FL-BC	Fort Nelson	
FNBC	Fort Nelson	
FSB	Fort Saint James	
FSJ	Fort Saint James	
FCBC	Franklin Camp	
GOB	Galiano Island	
GOBB	Galiano Island	
GDR	Gold River	
GSTB	Goldstream Park	
VGZ	Gonzales	
GOWB	Gowlland Point	
GRNB	Grenville Island	
HNB	Haney	
HNBB	Haney	
HYC	Haney	
HLSB	Harrison Lake South	
HRMB	Harrison Mills	
HWKB	Hawksbury Island	
HBDB	Hayseed and Buckwheat Dairy Farm	
HOLB	Holberg	
HOPB	Hope	
HBC	Horseshoe Bay	
HG3B	Hotspring	
HG4B	Hotspring	
HM-	Hundred Mile H.	HM-BC
JRBB	Jordan River	
KANO	Kano Inlet	
KELB	Kelsey	
KBB	Kelsey Bay	
KLNB	Kelsey New	
KITB	Kitimat	
LIB	Langara Island	
LR9	Liard River	
LLL	Lillooet	
LLLB	Lillooet	
MABC	Malibu	
SHDB	Maple Bay	
MSTB	Masset	
MASB	Masset	
MAYB	Maynard	
MGCB	McGee Creek	
ME-	Merritt	ME-BC
ME-BC	Merritt	
B926	Mesachie Lake	
MCC	Mica Creek	
MCE	Mica Creek	
MCMB1	Michelle Canyon Maxwell	
HDG10	Mitchell Dam	
HG1B	Mitchell Dam	
MOBC2	Moresby, Haida Gwaii	
MOBC	Moresby Island	
MNB	Mounoet Dainard	
FALL	Mountain Creek	
CARB	Mount Cartier	
MGB	Mount Grey	
LZB	Mount Lazard	
OZB	Mount Ozzard	
THOB	Mount Thompson	
MWAB	Mount Washington	
MUB	Muncho Lake	
NDB	Naden	
NAB	Nanaimo	
NLLB	Nanaimo Lost Lake,BC	
GHNB	Nanoose	
NCEN	NEPTUNE Canada Endeavour node	
KEBB	NEPTUNE Canada Endeavour West	
NCHR	NEPTUNE Canada High Rise	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
NCRB	Newcastle Ridge	
NTKA	Nootka	
NBC1	NorthernBC 1	
NBC2	NorthernBC 2	
NBC3	NorthernBC 3	
NBC4	NorthernBC 4	
NBC5	NorthernBC 5	
NBC6	NorthernBC 6	
B009	North Saanich	
B010	North Saanich	
B011	North Saanich	
OFB	Ocean Falls	
NC27	ODP1027	
NC89	ODP889	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
SHVB	Paradis Home	
HGPB	Parks Canada Compound	
PMB	Pemberton	
PIB	Pender Island	
PNT	Penticton	
PPC	Pine Pass	
PIMB	Pitt Meadows	
PLBC	Pleasant Camp	
B927	Port Alberni	
PACB	Port Alice, BC	
PCB	Port Clements	
PHC	Port Hardy	
PFB	Port Renfrew	
PG2BC	Prince George	
PG-	Prince George	PG-BC
PG-BC	Prince George	
RUB	Prince Rupert	
RUBB	Prince Rupert	
PD-	Princeton	PD-BC
PD-BC	Princeton	
QCC	Queen Charlotte	
QN-BC	Quesnel	
QN-	Quesnel	QN-BC
SLEB	Sale Mountain	
SSIB	Saltspring Island	
SSQ	Sandspit	
SNB	Saturna Island	
SHB	Sechelt	
CLAP	Shields Creek	
PGC	Sidney	
SILB	Sidney Island	
HGSB	Sid's House	
SKB	Skidegate	
SI-BC	Smithers	
SI-	Smithers	SI-BC
SOKB	Sooke	
SPLB	Strathcona Park Lodge	
SURV	Survey Creek	
TABB	Tabernacle Mountain	
TSUB	Tasu	
TSB	Tasu	
TALB	Tatla Lake BC	
TLCB	Telegraph Cove	
TCBC	Telegraph Creek	
TFRB	Telus,Franklin R.	
TXB	Texada	
THMB	Thunder Mountain BC	
TWBB	Timber West Blakeney	
TWGB	Timber West Granite	
TWKB	Timber West Koksilah	
TSJB	Timber West San Juan	
TOFB	Tofino	
B012	Ucluelet	
EPMB	Univ. Columbia	
UBRB	Upper Baezaeko River	
SULB	Vanderhoof	
VIB	Van Inlet	
H02N1	VAN INLET T-PHASE SITE N1	
VDB	Vedder Mountain	
VIC	Victoria	
KHVB	Wang Home	
WPB	Watts Point	
WSLR	Whistler	
WHB	Whistler	
WTRB	White River	
WKB	White Rock	
WK-	Williams Lake	WK-BC
WK-BC	Williams Lake	
WCBC	Windy Craggy	
WOSB	Woss	
QURY	Yakoun River	
PHYB	Yellowpoint	
YOUB	Youbou, Lake Cowichan	
Gulf of St. Lawrence		
MADG	Magdalen Islands	
NATG	Natashquan Quebec	
Manitoba		
CH-	Churchill	CH-MT
CH-MT	Churchill	
EB-	East Braintree	EB-MT
EB-MT	East Braintree	
FCC	Fort Churchill	
ULM	Lac du Bonnet	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
PWM	Pinawa	
New Brunswick		
BATG	Bathurst New Brunswick	
BOIN	Boiestown	
LMN	Caledonia Mountain	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
EBN	Edmundston	
EDMN	Edmundston, New Brunswick	
ELNB	Elgin, New Brunswick	
HANN	Hanwell	
HKNB	Havelock Quarry	
MCA2	McAdam 2	
MCA3	McAdam 3	
MCA4	McAdam 4	
KLN	McKendrick Lake	
MINB	Miramichi	
GGN	Saint George	
SRNB	Snider Mountain Ranch	
SVNB	Stilesville Quarry	
UNB	University of New Brunswick	
WCNB	Wards Creek	
Newfoundland		
CODG	Codroy Newfoundland	
CBK	Corner Brook	
DRLN	Deer Lake	
MKVL	Makkovik	
NANL	Nain	
NWRL	North West River	
PKN	Parkers Pond	
STJN	Saint John's	
STJ	Saint John's	
SJNN	Saint John's	
WBHL	Wabush	
WABN	Wabush	
Northwest Territories		
ACKN	Achilles Lake	
ALE	Alert	
AP3N	Apex site 3 Nunavut	
BLC	Baker Lake	
BOXN	Box Lake	
CBAR	Cambridge Bay Array Beam Reference Point	
CB01	Cambridge Bay Array Site 1	
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CAMN	Camsell Lake	
CDKN	Chidliak Camp Nunavut	
CLVN	Colville Lake	
COWN	Contwyoto Lake 2	
COKN	Cook Lake	
CMC	Coppermine	
CMBN	Cumberland Camp Nunavut	
DHRN	Dharma Camp	
DVKN	Diavik Mine	
DSMN	Discovery Mine	
EDZN	EDZO	
EKTN	Ekati Mine	
FST1	Fort Simpson	
FST	Fort Simpson	
FRB	Frobisher Bay	
FBC	Frobisher Bay	
FBN	Frobisher Bay	FRB
GDLN	Gardenia Lake, NWT	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GLWN	Glow Worm Lake	
GBLN	Grizzly Bear Lake	
HPLN	Hepburn Lake, NWT	
HFRN	Hoarfrost River	
HMNT	Holman	
IGL	Igloolik	
IGLN	Igloolik	
ILON	Igloolik, Nunavut	
IHLN	Indian Hill Lake	
INK	Inuvik	
JERN	Jeri Cho Mine, NWT	
KNDN	Kennady Lake	
KUKN	Kugluktuk,NWT	
LDGN	Lac de Gras North	
LGSN	Lac de Gras South	
LAIN	Lailor River, Nunavut	
LDBN	Lake De Bois	
LUPN	Lupin Mine	
MCKN	MacKay Lake North	
MGTN	Margaret Lake	
MLON	Marlo Lake	
MRYN	Mary River	
NP-NT	Mould Bay	
MBC	Mould Bay	
YKAB1	New Yellowknife Blue 1	
YKAB0	New Yellowknife Blue 10	
YKAB2	New Yellowknife Blue 2	
YKAB3	New Yellowknife Blue 3	
YKAB4	New Yellowknife Blue 4	
YKAB6	New Yellowknife Blue 6	
YKAB7	New Yellowknife Blue 7	
YKAB8	New Yellowknife Blue 8	
YKAB9	New Yellowknife Blue 9	
YKAR1	New YK Array red 1	
YKAR2	New YK Array red 2	
YKAR3	New YK Array red 3	
YKAR4	New YK Array red 4	
YKAR5	New YK Array red 5	
YKAR6	New YK Array red 6	
YKAR7	New YK Array red 7	
YKAR8	New YK Array red 8	
YKAR9	New YK Array red 9	
NPT	Nicholson Point	
NODN	Nodinka Narrows	
NOWN	Norman Wells, NWT	
NP-	North Pole	NP-NT
QILN	Qililugaq Exploration Camp	
YRTN	Rankin Inlet	
RES	Resolute Bay	
ROMN	Roman Lake	
SWT	Sachs Harbour	
SXT	Sachs Harbour	
SNLN	Sandy Lake, NWT	
SRLN	Sarcpa Lake, Nunavut	
SMPN	Simpson Lake	
SNPN	Snap Lake	
TKT	Tuktoyaktuk	
TUK	Tuktoyaktuk	
WAGN	Wager Bay	
WHFN	White Fish Lake	
YMBN	Yamba Lake	
YNEN	Yamba Lake Northeast	
RSNT	Yellowknife	
YKC	Yellowknife	
YKR8	Yellowknife Ar.	YKB5
YKR0	Yellowknife Array	
YKA	Yellowknife Array Beam Reference Point	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR9	Yellowknife Array Site R9	
YKB5	Yellowknife Array Sites B5 and R8	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
NorthWest Territories		
C36M	Paulatuk	
A36M	Sachs Harbour	
Nova Scotia		
CHEG	Cheticamp, Nova Scotia	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
GBN	Guysborough	
HAL	Halifax	
MALG	Malagash, Nova Scotia	
SABG	Sable island	
Nunavut		
ARVN	Arviat, NU	
B1NU	Baffin Island 1	
B2NU	Baffin Island 2	
YBKN	Baker Lake, Hudson Bay	
BULN	Bullion Camp, Hudson Bay	
CLRN	Clyde River	
EUNU	Eureka	
SEDN	First Sedna Site,Hudson Bay	
GFNU	Grise Fiord	
KUGN	Kugaaruk Camp, Nunavut	
MCMN	McManaman Lake, Nunavut	
NUNN	Nunuq Camp, NU	
PINU	Pond Inlet	
JOSN	Second Sedna Site,Hudson Bay	
SMLN	Simpson Lake, Nunavut	
STLN	Stellar Camp, Hudson Bay	
SBNU	Taloyoak	
Ontario		
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT012	7 Observatory Cres., Ottawa	
OT006	959, Brant, Ottawa	
ACTO	Acton	
AFO2	Alfred	
ALFO	Alfred	
AFO1	Alfred	
ALGO	Algonquin Park	
F51A	Arnstein	
BASO	Ashfield	
ATKO	Atikokan Iron Mine	
BANO	Bancroft	
D49A	Beulah Township	
OTBB	Blackburn lab bldg12	
H53A	Bobcaygeon	
BRPO	Bonnechere River Park	
BRCO	Bruce Peninsula	
BUKO	Buck Lake	
BUO	Burlington	
RD01	Burlington	
G55A	Calabogie	
OTNM	Canadian Museum of Nature	
CLPO	Centennial Lake Park	
CKO	Chalk River	
CRLO	Chalk River	
D47A	Chapleau	
CFO	Chats Falls	
CLWO	Collingwood	
DSNO	Creighton Mine,Sudbury	
SSNO	Creighton Mine,Sudbury	
DAN	Dane	
DREO	Darlington East Ontario	
DRWO	Darlington West	
DLA	Delaware (Ont)	
DELO	Deloro Mine	
KB5O	Diamondview Rd.	
KB4O	Donald B. Munro Dr,	
DVO	Downsview	
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
EFO	Effingham	
EEO	Eldee	
H56A	Elgin	
ELFO	Elginfield	
ELF	Elginfield	
ELLO	Elliot Lake	
ELGO	Elora Gorge	
ES-	Espanola	ES-ON
ES-ON	Espanola	
F48A	Evansville	
EPLO	Experimental Lakes	

Code	Station Name	Other
FHO	Fitzroy Harbor	
I55A	Frankford	
E51A	G1948 Merrick Township	
D50A	G1974 Best Township, ON	
GTO	Geraldton	
OTGH	Glebe high school	
KB3O	Grant Side Rd.	
HGVO	Hagersville	
HSMO	Haileybury School of Mines	
G53A	Haliburton	
HML	Hamilton	
HUO	Hudson	
K51A	Iona Station	
E47A	Iron Bridge	
KB2O	John Shaw Road	
KB6O	John Shaw Road, remote	
KAO	Kapuskasing	
KAPO	Kapuskasing	
KASO	Kasabonika Lake, First Nations Ontario	
KLBO	Killbear Provincial Park	
KGNO	Kingston	
L50A	Kingsville	
KLO	Kirkland Lake	
KLC	Kirkland Lake	
KILO	Kirkland Lake	
I53A	Kortright Cn Earth Rangers Ctr, Woodbridge	
LDIO	Lac des Isle Mine	
LHC	Lakehead University	
G54A	Lake Saint Peter	
LINO	Lindsay	
I51A	Listowel	
E48A	Lockeyer	
LDN	London (Ont)	
LND	London (Ont)	
MADO	Madoc	
MW-	Mattawa	MW-ON
MW-ON	Mattawa	
E52A	Mattawa	
MALO	McAlpine Lake	
BMRO	Meriville Lake	
MSNO	Moosonee Ontario	
RD03	Mount Hope	
MPPO	Murphy's Point	
MUMO	Musselwhite Mine	
NANO	Nakina Ontario	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
G57A	Newington	
OTWM	No. 579 Westminster Ave.	
ORHO	Orleans, Heritage Park	
ORIO	Orleans, Innes Road, Ontario	
OT011	OT011	
OTT	Ottawa	
OTRO	Otter Rapids	
J52A	Paris	
D48A	Paudash Township	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PEMO	Pembroke	
PKRO	Pickering	
PKLO	Pickle Lake	
PLVO	Plevna	
PTCO	Port Colborne	
PECO	Prince Edward County	
PNPO	Pukaskwa National Park	
RK-	Red Lake	RK-ON
RLKO	Red Lake	
RSON	Red Lake	
RK-ON	Red Lake	
RDLO	Red Lake	
RSPO	Restoule Provincial Park	
KB1O	Rock site, Kinburn Side Road	
SADO	Sadowa	
STCO	Saint Catharines	
F49A	Sandfield	
SL-ON	Sault Sainte Marie	
SL-	Sault Ste Marie	SL-ON
D46A	Sault St. Marie	
SCB	Scarborough	
I52A	Shelburne	
SXO	Sioux Lookout	
SOLO	Sioux Lookout	
SOO	Sioux Lookout	
DRCO	St. Marys Cement	
RD04	Stoney Creek	
SUO	Sudbury	
SWXO	Sudbury	
SZO	Sudbury	
SUD	Sudbury	
SWO	Sudbury	
SUNO	Sudbury Onaping	
F52A	Sundridge	
SILO	Sutton Inlier	
TBO	Thunder Bay	
K52A	Tillsonburg	
TIMO	Timmins Ontario	
TOBO	Tobermory, Bruce Peninsula National Park	
TNT	Toronto	
TORO	Toronto--Leslie Street Spit	
H55A	Tweed	
TYNO	Tyneside	
UWOO	University of Western Ontario	
VIMO	Victor Mine	
E50A	Wahnapitae	
BWLO	Walkerton	
RD02	Waterdown	
WEO	Welcome	
WLVO	Wesleyville	
WBO	Williamsburg	
WNR	Windsor	
H52A	Wyevale	
Prince Edward Island		
HC1P	summerside station 1	
HC2P	summerside station 2	
HC3P	summerside station 3	
HC4P	summerside station 4	
TIGG	Tignish, PEI	
Quebec		
AKVQ	Akulivik	
YOSQ	Ashton Mining of Canada property	
CNQ	Baie Comeau	
BLBQ	Baie-St-Paul	
BSPQ	Baie-St-Paul	
BECQ	Becancour	
BELQ	Belleterre	
BCLQ	Boischatel	
BU-	Buckingham	BU-QB
BU-QB	Buckingham	
CBRQ	Cabonga Reservoir	
CHQ	Charlesbourg	
D58A	Chemin du LacGrosbois, Trois-Rives	
E57A	Chemin Saint Guillaume, Saint Donat	
D57A	Chemin Vers le Barrage, Saint-Michel-Des-Saints	
CHGQ	Chibougamau	
CIQ	Chicoutimi	
CHIQ	Chicoutimi-Nord	
G59A	Clarenceville	
SMQ	Clarke City	
DMCQ	Dolbeau-Mistassini	
E53A	Dumoine, Pontiac MRC	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
GASG	Gaspe, Quebec	
LNGQ	Gaz Metro	
GNT	Gentilly	
GAC	Glen Almond	
GRQ	Grand Remous	
GWR	Great Whale R.	PBQ
GWC	Great Whale River	
GSQ	Grosses Roches	
F57A	Harrington	
HTQ	Hauterive	
HMC	Holland Mills	
INUQ	Inukjuak	
IVKQ	Ivujivik	
KAJQ	Kangiqsualujjuaq	
KNGQ	Kangiqsujuaq	
KRSQ	Kangirsuk	
MLQ1	Kipawa	
KJKQ	Kuujjuarapik	
KUQ	Kuujjuuaa	
E54A	Lac Daplat, Pontiac, MRC	
DAQ	Lac Daran	
DHLQ	Lac-des-Plages	
E61A	Lac Etchemin	
D54A	Lac Fusel, La Vallee-de-La-Gatineau	
LSQ1	Lac Sinclair, Quebec	
D53A	Lac Vacive, Pontiac, Mrc	
LDQ	La Grande	
LTQ	La Grande	
LBQ	La Grande	
LAQ	La Grande	
LCQ	La Grande	
LGQ	La Grande	
JBQ	La Grande 3	
LRQ	La Grande 3	
JAQ	La Grande 3	
LXQ	La Grande 3	
JCQ	La Grande 3	
LG4Q	La Grande 4	
KAQ	La Grande 4	
KBQ	La Grande 4	
KCQ	La Grande 4	
LQQ	La Grande 4	
LMBQ	La Malbaie	
LMQ	La Malbaie	
POC	La Pocatiere	
LPQ	La Pocatiere	
LRQ1	La Romaine 2 Dam	
LRQ2	La Romaine 2 Dam Dyke F2,	
LATQ	La Tuque	
E58A	La Victoria	
LSQQ	Lebel-sur-Quevillon	
D51A	Lot 18 Range III Mazenod Township	
MNQ	Manicouagan	
MIQ	Maniwaki	
G60A	Masonville	
MATQ	Matagami	
A54	Misere	
E55A	Montcerf-Lytton	
MOQ	Mont Orford	
MNT	Montreal	
MNTQ	Montreal, Quebec	
TRQ	Mont Tremblant	
MRNQ	Morin Heights	
MRHQ	Morin Heights	
MGDQ	Mulgrave and Derry, QC.	
NEMQ	Nemaska	
NMSQ	Nemaska Station	
G58A	Ormstown	
F55A	Otter Lake	
ICQ	Pointe Anglais	
PBQ	Poste Baleine	
QCL	Quebec	QBC
QBC	Quebec	
QCQ	Quebec	QBC
RIMQ	Rimouski	
RDLQ	Riviere-du-Loop	
A16	Riviere Ouelle	
ROUQ	Riviere-Ouelle	
A21	Saint Andre	
SADQ	Saint-Augustin-de-Desmaures	
D55A	Sainte-Anne-du-Lac	
A61	Sainte Mathilde	
STFQ	Sainte-Ursule	
STUQ	Sainte-Ursule	
F59A	Saint Guilaume	
SHQ	Saint-Hilarion	
DPQ	Saint Jean	
D60A	Saint Jean D'Orleans	
SLQ	Saint Louis du Ha Ha	
D59A	Saint-Raymond	
A11	Saint Roch-des-Aulnaies	
A64	Saint Simeon	
SNKN	Sanikiluaq	
SNQN	Sanikiluaq	
SAKN	Sanikiluaq	
SCH	Schefferville	
SV3QB	Schefferville	
SCHQ	Schefferville	
SV2QB	Schefferville	
SV3	Schefferville	SV3QB
SV2	Schefferville	SV2QB
SFA	Sept-Chutes	
SIC	Sept Iles	
SHF	Shawinigan Falls	
LDSQ	Shawville	
SBQ	Sherbrooke	
SO-QB	Sorel	
SO-	Sorel	SO-QB
SANQ	St-Andre-du-Lac-St-Jean	
D61A	St Aubert, Comte d'Islet	
E60A	Ste Agathe de Lotbiniere,	
SELQ	St-Eleuthere	
F61A	St Evariste	
SGRQ	St-Georges	
G61A	St-Isidore-de-Clifton	
F58A	St-Lin Laurentide	
SLBQ	St-Lucie-de-Beauregard	
SMCQ	St-Marc-des-Carri˜res	
E59A	St. Maurice	
STOQ	Stoneham	
STPQ	St-Pascal	
E56A	St. Veronique	
TADQ	Tadoussac	
JBBQ	Temiscaming	
MLQ2	Temiscaminque	
TMK	Temiskaming	
VABQ	Val Des Bois	
VDBQ	Val-des-Bois,QC	
VLDQ	Val d'Or	
VDQ	Val d'Or	
VALQ	Val d'Or	
VMC	Ville Marie	
F60A	Warwick	
WEMQ	Wemindji, Quebec	
D56A	ZEC Mazanza, Mont-Saint-Michel	
D52A	ZEK Kipawa Senerzegues Township	
Saskatchewan		
BGUS	Bergheim	
BMS	Big Muddy Lake	
FFC	Flin Flon	
FLAR	Flin Flon Array Beam Reference Point	
FL01	Flin Flon Array Site 1	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL31	Flin Flon Array Site 31	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
SAS	Saskatoon	
St Pierre and Miquelon		
SPR	Saint Pierre	
Yukon Territory		
BVCY	Beaver Creek	
BH-	Burwash Landing	BH-YK
BH-YK	Burwash Landing	
CTLN	Castor Lake	
DAWY	Dawson	
DWY	Dawson City	
DLY	Dezadeash Lake	
YUK7	Dusty Glacier	
EPYK	Eagle Plains	
GALN	Gameti Lake	
YUK5	Granite Creek	
HYT	Haines Junction	
ILKN	Indian Lake	
KEY	Kluane	
KRY	Koidern River	
KBT	Komakuk Beach	
YUK3	Moose Creek	
YUK6	Outpost Mountain	
YUK1	Sand Pete Hill	
SPY	Shingle Point	
SIY	Silver City	
YUK4	Talbot Arm	
WL-YK	Watson Lake	
WL-	Watson Lake	WL-YK
WH2*	Whitehorse	WH2YK
WHY	Whitehorse	
WH2YK	Whitehorse	
WH-	Whitehorse	WH-YK
WHC	Whitehorse	
WH-YK	Whitehorse	
YUK2	White River	
Guerrero		
CRIG	Cruz Grande	
DAIG	Los Arroyos	
Hawaii		
ALOHA	Station ALOHA	
Mexico		
Aguascalientes		
AGX	Aguascalientes	
Baja California		
LAX	Bahia de Los Angeles	
CBX	Cerro Bola	
CPBX	Cerro Prieto	
CHIX	Chihuahua	
DELX	Delta	
ECBX	El Chinero	
EGM	El Golfo de Santa Clara	
EMX	El Mayor	
ZAX	El Zacaton	
ENX	Ensenada	
ECX	Ensenada	
ECNX	Esteban Cantu	
IGM	Isla Guadalupe	
JQX	Jiquilpan	
LPIG	La Paz	
LPX	La Paz	
LAP	La Paz	
RMX	La Rumorosa	
MBIG	Mexicali	
PGX	Piedras Gordas	
PPXB	Puerto Pe˜–asco	
PBX	Punta Banda	
RDX	Rancho Dawling	
RSJ	Rancho San Jose	
RII	Riito	
SALX	Saltillo	
SFP	San Felipe	
SFX	San Felipe	
SJX	San Joaquin	
SMX	San Miguel	
SPX	San Pedro Martir	
SRIG	Santa Rosalia	
SRL	Santa Rosalia	
SLBS	Sierra La Laguna	
TKX	Tecate	
UABX	UABC, Campus Mexicali	
VEX	Veracruz	
VCP	Volcan Cerro Prieto	
Campeche		
SCIG	Sabancuy	
TUIG	Tuzandepetl	
Chiapas		
CZC	Chiapa de Corzo	
VGP	Chiapas	
PORM	Chiapas	
BJU	Chiapas	
ARL	Chiapas	
TANM	Chiapas	
LIBM	Chiapas	
UJZ	Chiapas	
SIPM	Chiapas	
ZZA	Chiapas	
PENM	Chiapas	
MARM	Chiapas	
PAY	Chiapas	
CSN	Chicoasen	
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
COM	Comitan	
CCIG	Comitan	
COM2	Comitan 2	
EJC	Estacion Juarez	
IHC	Ixhuatan	
IXC	Ixtacomitan	
JDN	Jardin	
OZC	Ocozocoautla	
OSCM	Ostuacan	
PMM	Presa Malpaso	
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
SCX	San Cristobal	
SMJM	Simojovel	
TPX	Tapachula	
TLA	Tapachula	
TCX	Tecpatan	
TGBT	Tuxtla Gutierrez	
MUX	Union Juarez	
ZAC	Zacaltic	
THIG		
PCIG		
TGIG		
Chihuahua		
CHH	Chihuahua	
Colima		
CMX	Colima	COLM
COLM	Colima	
H06N	Isla Socorro	
SRR	Isla Socorro	
MNZ	Manzanillo	
H06S1	SOCORRO T	
H06E1	SOCORRO T-PHASE SITE E1	
H06N1	SOCORRO T-PHASE SITE N1	
H06S		
EZ5V		
R15V		
H06E		
Guanajuato		
IGIG	Irapuato, Guanajuato	
LCG	Leon Cerro Gordo	
Guerrero		
ACX	Acapulco	
CDAM	Ciudad Altamirano	
CAIG	El Cayaco	
FLOM	Florida	
CGG	Guerrero	
LLJ	Guerrero	
III	Iguala	
UON	La Union	
LVGX	La Villita	
MEIG	Mezcala	
NUXM	Nuxco	
PPNM	Papanoa	
PPOM	Papayo	
PNIG	Pinotepa	
PLIG	Platanillo	
POGM	Potrero Grande	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	

Code	Station Name	Other
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
PIM	Presa Infiernillo	
ARIG	Puente Sto Nino	
PDEM	Puerto del Eden	
PGOM	Puerto del Gallo	
SJRM	San Jeronimo	
SMAM	San Marcos	
TETM	Tetitlan	
TLIG	Tlapa	
TPG	Tlapa	
HMTT	Tlapaneco	
ZIH	Zihuatanejo	
ZHGX	Zihuatanejo	
ZIIG	Zihuatanejo	
Hidalgo		
TLX	Tulancingo	
Jalisco		
CJM	Chamela	
CGX	Ciudad Guzman	
GUM	Guadalajara	
GUM2	Guadalajara 2	
LNM	Leon	
PUVA	Puert Vallarta	
SFJM	Santa Fe	
UGO	Universidad de Guanajuato	
GDLC		
ACP2	Acapulco	
AMVM	AMECAMECA	
ATVM	ATLACOMULCO	
MAVM	Malinalco, Edo de Mexico	
PBIG	Penon de los Banos, D. F.	
TPIG	Tehuac#an	
TJIG	Tijuana	
TOVM	TOLUCA	
ZUVM	ZUMPANGO	
Mexico D.F.		
IIA	Altzomoni	
AYVM	Ayaqueme	
CRX	Cerrillo	
CGVM	Cerro Gordo	
CHVM	Chichinautzin	
CIVM	Cilcuayo	
CVM	Colonia del Valle	
AZVM	Cuida Lopez Mateos	
DEIG	Demacu	
IIP	El Pino	
IIM	Instituto de Ingenieria, UNAM	
IXT	Ixtapalapa	
JCM	Jocotitlan	
MEX	Mexico City	
OXM	Oxtotitlan	
PTVM	Pico Tres Padres	
PBVM	Pinon	
MDVM	Presa Madin	
PNVM	Presa Marin	
RFVM	Rio Frio	
IIC	Rita Coyotepec	
SZVM	Salazar	
SMMM	San Miguel	
TAC	Tacubaya	
VTVM	Tizayuca	
UNM	Universidad Nacional Autonoma de Mexico	
VCVM	Valle de Chalco	
MZVM		
HSIG		
HPIG		
CGIG		
Mexico:State		
IIJ	Jocotitlan	
IIZ	Mezontepec	
Michoacan		
MMIG	Aquila	
CCMX	Caleta Campos	
LAZM	Lazaro Cardenas	
ZEM	Michoacan	
BVTM	Michoacan	
CBZM	Michoacan	
MOIG	Morelia	
MRX	Morelia	
OSM	Ostula	
URUA	Uruapan	
Morelos		
TPM	Tepoztlan	
YAIG	Yautepec	
Nayarit		
ANIG	Ahuacatlan	
IMM	Islas Marias	
Nuevo Leon		
LNIG	Linares	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
VNM	Villa de Garcia	
Oaxaca		
CEO	Cerro Encantado	
UTMO	Huajuapan	
HUIG	Huatulco	
CMIG	Matias Romero	
OXX	Oaxaca	
OXBJ	Oaxaca	
GUO	Oaxaca	
YOO	Oaxaca	
AZO	Oaxaca	
PXO	Oaxaca	
LAGM	Oaxaca	
OAX	Oaxaca	
PSM	Palmasola	
PIO	Pinotepa	
PLO	Pochutla	
PBJ	Presa Benito Juarez	
PANG	Puerto Angel	
PEX	Puerto Escondido	
PEO	Puerto Escondido	
TEO	Teotitlan	
TXO	Tlaxiaco	
VDF	Valdeflores	
VMO	Villa Marinero	
VHO	Vista Hermosa	
VHM	Vista Hermosa	
Puebla		
ACP	Acatlan	
CHPM	Chiautla de Tapia	
IISM	Ciudad Serdan	
CUPM	Cuyoaco	
MOPM	Molcaxac	
PPM	Popocatepetl	
PUE	Puebla	
PHPU	Puebla	
CIPM	Puebla	
CXP	Puebla	
IIB	San Bernardino	
SRP	Santa Rosa	
TCPM	Tecamachalco	
IIT	Tonantzintla	
VGM	Villa Grajales	
Queretaro de Arteaga		
JRQG	Juriquilla Campus	
QUIG	Queretaro	
Sinaloa		
CUL	Culiacan	
MAIG	Mazatlaan	
MAZ	Mazatlan	
MZX	Mazatlan	
TPB	Topolobampo	
Sonora		
CBS	Caborca	
GUYB	Guaymas	
GYM	Guaymas	
LMX	La Mesa Andrade	
RHM	Rio Hardy	
SLX	San Luis Rˆ›o Colorado	
SPIG	San Pedro Martir	
EGX	Santa Clara	
Tabasco		
LJS	Tabasco	
Tamaulipas		
TMX	Tampico	
Tlaxcala		
IIO	Organos	
Veracruz		
BUE	Buenavista	
ABR	El Abra	
EVV	El Vigia	
JIL	Jilotepec	
LVVM	Laguna Verde	
LVIG	Laguna Verde	
LJX	Las Lajas	
PZX	Poza Rica	
VCM	Veracruz	
FARM	Veracruz	
POHV	Veracruz	
LIMM	Veracruz	
CAMM	Veracruz	
LVMM	Veracruz	
MANM	Veracruz	
Yucatan		
MER	Merida	
TEIG	Tepich	
Zacatecas		
ZAIG	Zacatecas	
New York		
PTNY	Frank Revetta Observatory, Potsdam, NY	
U.S.A.		
Alabama		
AX-	Alexander City	AX-AL
AX-AL	Alexander City	
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
Z50A	Ashland	
448A	Bay Minette	
Y49A	Blount Mountain	
BRAL	Brewton	
BO-	Brewton	BO-AL
BO-AL	Brewton	
249A	Camden	
Z47A	Carrollton	
HGA	Collinsville	
Z49A	Columbiana	
DLC	Deerlick Creek	
248A	Dixon Mills	
350A	Dozier	
150A	Eclectic	
EMA	Elm	
EU2AL	Eutaw	
EU-	Eutaw	EU-AL
EU-AL	Eutaw	
EU2	Eutaw	EU2AL
FLT	Fleetwood	
FPAL	Fort Paine	
X50A	Fort Payne	
X50B	Fort Payne	
250A	Grady	
148A	Greensboro	
HVA	Hanceville	
X48A	Hartselle	
HLT	Holt	
348A	Jackson	
Y48A	Jasper	
149A	Jones	
BKA	Kennedy	
LRAL	Lakeview Retreat	
LCAL	Lambert Chapel	
LAL	Leola	
147A	Livingston	
LDG	Lodge	
LCA	Log Cabin	
251A	Midway	
MSAL	Mont Sano	
Z48A	Northport	
151A	Opelika	
OCA	Owens Crossroads	
PEA	Pea Ridge	
PTR	Peterson	
PLAL	Pickwick Lake	
PWLA	Pickwick Lake	
Y50A	Piedmont	
351A	Pinckard	
RHA	Reichold	
349A	Repton	
MLAL	Sawyerville	
SHA	Spring Hill	
TDA	Talladega	
TSAL	Tannehill State Park	
Y47A	UCPARC, Winfield	
Alaska		
AD8	Adagdak	
ADA	Adak	
ADK	Adak	
AD-IS	Adak Island	
AD-	Adak Island	AD-IS
AGAM	Agassiz Lake	
AKUT	Akutan	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKBBA	Akutan Broad B.	
AKGG	Akutan Green Grass	
AHB	Akutan Harbor	
AKLV	Akutan Long Valley	
AKMO	Akutan Morgan	
AKRB	Akutan Reef Bight	
HSB	Akutan Spr's Bay	
AKSA	Akutan Strait	
AKV	Akutan Volcano	
ZRO	Akutan Zero	
ALC	Alcan	
ACK	Alder Creek	
ALAR	ALPA Array Beam Reference Point	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL5	ALPA Array Site 35	
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AMA	Amatignak Island	
AMKA	Amchitka	
AEB	Amchitka	ASB
AC-IS	Amchitka	
ANA	Amchitka	
AMC*	Amchitka	
ANB	Amchitka	
AND	Amchitka	
ASB	Amchitka	
ASC	Amchitka	
ASD	Amchitka	
AWA	Amchitka	
ACA	Amchitka Central A	
ACB	Amchitka Central B	
ACC	Amchitka Central C	
ACD	Amchitka Central D	
ACE	Amchitka Central E	
ACF	Amchitka Central F	
AME	Amchitka East	
ANI*	Anchorage	ANH
AMU	Anchorage	
ANH	Anchorage	
ANCK	Angle Creek	
ACHA	Angle Creek Headwaters	
ANI	Aniakchak	
ANKA	Aniakchak	
ANON	Aniakchak	
AZAC	Aniakchak	
ANIA	Aniakchak Crater	
AJAX	Aniakchak Jack	
ANNE	Aniakchak Northeast	
ANNW	Aniakchak Northwest	
ANPK	Aniakchak Peak	
ANPB	Aniakchak Plenty Bear	
ANV	Anvil Mountain	ANM
AA-IS	Atka	
ATKA	Atka Island	
FX1	Attu Island--Fox	
ATTU	Attu Island--Fox	FX1
AUCH	Augustine Cone H	
AUD	Augustine Domo	
AUF	Augustine Flow	
AUH	Augustine H	
AGI	Augustine Island	
AUE	Augustine Island	
AUI	Augustine Island	
AU2	Augustine Island	
AUJK	Augustine Juegen Kienle	
AUJA	Augustine Junction	
AUL	Augustine Lava	
AU22	Augustine Mound	
AUM	Augustine Mound	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUQ	Augustine Qik'rtamen	
AUSE	Augustine SEast	
AGU	Augustine-Summit	
AUW	Augustine West	
ABF	Auke Bay	
BAGL	Bagley Icefield	
BALM	Baldy	
BALA	Baldy Mountain	
BCPM	Bancas Point	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BGL	Barrier Glacier	
BGRM	Barrier Glacier Two	
A21K	Barrow	
BRV	Barrow	
BRW	Barrow	
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BPAW	Bear Paw Mtn.	
BCAR	Beaver Creek Array Beam Reference Point	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BCA3	Beaver Creek Array Site 3	BCAR
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BLGA	Beluga	
BEH	Bench	
CKT	Bend	
BERG	Berg Lake	
BGLC	Bering Glacier BLM Camp	
BBO	Besboro Island	
BESE	Bessie Mountain	
BET	Bethel	
BQ-AK	Bethel	
BKJ	Big Koniuji Island	
BGM	Big Mountain	
BIG	Big Mountain	
BIO	Biorka	
BRH	Birch Hill	
BLHA	Black Hill	
BLR	Black Rapids	
BKG	Blockade Glacier	
BLM	Blue Mountain	BMT
BMT	Blue Mountain	
AK4	Bobrof	
BRLK	Bradley Lake	
BRNE	Bradley Lake NE	
BRNW	Bradley Lake NW	
BRSE	Bradley Lake SE	
BRSW	Bradley Lake SW	
BMRM	Bremner River	
BDP	Broad Pass	
BWN	Browne	
BRPK	Brown Peak	
BMAR	Burnt Mountain Array Beam Reference Point	
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03	Burnt Mountain Array Site 3	BM3
BM3	Burnt Mountain Array Site 3	
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
CAHL	Cahill	
CDL	Candle	
CNA	Cantwell	
CDY	Cape Darby	
CDA	Cape Douglas	
CDD	Cape Douglas	
CPR	Cape Romanzof	
CSA	Cape Sarichef	
CYK	Cape Yakataga	
CYT	Cape Yakataga	
CGLM	Capps Glacier	
CAPN	Captain Cook Nikiski	
CAST	Castle Rocks	
CHX	Chaix Hills	
CKL	Chakachamna Lake	
CKN	Chakachatna North	
SPCN	Chakachatna North Broadband	
CKK	Chekok	
CNBA	Chernabura Island	
K27K	Chicken	
CHGN	Chignik	
CSG	Childs Glacier	
CNPM	China Poot	
CHIR	Chirikof Island	
CHIA	Chirikof Island	
CTGM	Chitina Glacier	
N25K	Chitina, Valdez-Cordova	
CHW	Chowiet Island	
CKR	Christmas Creek	
CUT	Chulitna	
CHB	Church	
TCOL	CIGO, UAF Yankovich Road, Fairbanks	
CRQM	Cirque	
CCB	Clear Creek Butte	
CMA	Clear Mews	
CBA	Cold Bay	
CBY	Cold Bay	
COLD	Coldfoot	
COLA	College	
CMO	College--Fairbanks	
CFI	College Fiord	
COL	College Outpost	
CHSA	Colony High School	
CNTC	Contact Creek	
O22K	Cooper Landing	
CDI	Cordova	
CVA	Cordova	
EYAK	Cordova Ski Area	
CRAG	Craig	
CRP	Crater Peak	
CPAM	Crater Peak Alternate	
SPCP	Crater Peak Broadband	
CPKM	Crater Peak Rim	
CP2	Crater Peak Two	
DMB	Deadman Bay	
DHAK	Deception Hills	
DRIA	Deer Island	
DRRA	Deer Island	
DJE	Delta Junction E	
DMW	Delta Microwave	
DHY	Denali Highway	
DMA	Devil Mountain	
DLL	Dillingham	
DSK	Disk Island	
DIV	Divide	
DLG	Dolgoi Island	
DOL	Dolgoi Island	
DDM	Donnelly Dome	
DOT	Dot Lake	
DFR	Drift River	
DHA	Dutch Harbor	
DUT	Dutch Harbor	
DT1	Dutton Round Hill	
DTNA	Dutton South Flank	
EGAK	Eagle	
EAM	Ear Mountain	
NPO	Eielson Array	
ILAR	Eielson Array Beam Reference Point	
ILB	Eielson Array Broadband	ILAR
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
EAFB	Elmendorf Base	
ELV	Elvey	
ENG	Engineer Hill	
ERN	Ernestine	
FB-AK	Fairbanks	
FBAS	Fairbanks	
FB2AK	Fairbanks	
FBA	Fairbanks	
FBK	Fairbanks	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE	

	POINT	
FBAL	Fairbanks--Long Period	
FSP	False Pass	
FALS	False Pass	
WFAR	Faris Peak	
FLP	Featherly Pass	
FIB	Fire Island	
FIS	Fire Island	
FY5	Fort Yukon	
FY4	Fort Yukon	
FY3	Fort Yukon	
FY1	Fort Yukon	
FYU	Fort Yukon	
FY2	Fort Yukon	
FOSS	Fourpeaked Station 1	
FONW	Fourpeaked Station 2	
FOPK	Fourpeaked Volcano	
GCSA	Galena City School	
GAMB	Gambell	
GAEA	Gareloi East	
GAKI	Gareloi-Kavalga I.	
GALAA	Gareloi Lava Pt.	
GANO	Gareloi North	
GANE	Gareloi Northeast	
GASW	Gareloi Southwest	
GIA	Geophysical Institute, University of Alaska	
GLB	Gilahina Butte	
GIL	Gilmore Creek	
GLM	Gilmore Dome	GLN
GLN	Gilmore Dome	
GLI	Glacier Island	
GLC	Glacier Island	
GHO	Glory Hole Creek	
GOAT	Goat Mountain	
GKC	Gold King Creek	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GOU	Gould Hall	
GBY	Granite Bay	
GRNC	Granite Creek	
GMA	Granite Mountain	
GRLA	Grayling	
AD1	Great Sitkin	
GSCK	Great Sitkin Cape Kiugilak	
GSMY	Great Sitkin Middle Yoke	
GSSP	Great Sitkin Saddle Point	
GSTR	Great Sitkin Teapot Rock	
GSTD	Great Sitkin Triple Divide	
GRIN	Grindle Hills	
GUL	Gulkana	
GYO	Guyot Hills	
HARP	HAARP	
HAG	Hague Volcano	
HMT	Hamilton	
HDA	Harding Lake	
HQN	Harlequin Lake	
HPP	Hepp	
AD4	Hidden Bay	
HIN	Hinchinbrook Island	
HOM	Homer	
HUR	Hurricane	
GSIG	Igitkin Island	
ILIM	Iliamna	
ILM	Iliamna	
ILS	Iliamna Low South	
INE	Iliamna NE	
INW	Iliamna NW	
IVS	Iliamna South	
IVE	Iliamna Volcano East	
ILW	Iliamna West	
RIDG	Independ'e Ridge	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAR	Indian Mountain Array Beam Reference Point	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM3	Indian Mountain Array Site 3	
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
ISTK	Isanotski	
ISNN	Isanotski North	
IVF	Ivanof Bay	
JPK	Jack Peak	
JIS	Juneau Island	
ISLE	Juniper Island	
AD3	Kagalaska	
ETKA	Kagalaska Island	
KICM	Kanaga Island Cape Miga	
KIKV	Kanaga Island Kanaga Volcano	
KIMD	Kanaga Island MID Benchmark	
KINC	Kanaga Island North Cape	
KIRH	Kanaga Island Round Head	
KIWB	Kanaga Island Westway Bight	
KTH	Kantishna Hills	
KAWH	Katmai	
KTM	Katmai	
KABR	Katmai Barrier Ridge	
KBM	Katmai Bkd Mtn	
KABU	Katmai Buttress	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAIC	Katmai Ikagluik Creek	
KAKN	Katmai Knife Crk	
KCE	Katmai Mt Cerb's	
KAPH	Katmai Pasha	
KARR	Katmai Rainbow River	
KVTA	Katmai Vly 10 NE	
KAIM	Kayak Island	
KYK	Kayak Island	
KJL	Kejulik	
KEN	Kenai	
KCN	Ketchikan	
KHIT	Khitrov Hills	
KIAG	Kiagna River	
KMP	Kimball Pass	
KLU	Klutina	
KCG	Knife Ck. Glacier	
KNIM	Knight Island	
KNK	Knik Glacier	
KD1	Kodiak	
KD3	Kodiak	
KD2	Kodiak	
KDAK	Kodiak Island	
KDC	Kodiak Island	
KGR	Kogok River	
KKLA	Kookooligit Mountain	
KONE	Korovin Northeast	
KONW	Korovin Northwest	
KOSE	Korovin Southeast	
KOKV	Korovin Volcano	
KOWE	Korovin West	
KTA	Kotzebue	
KULT	Kultieth River Mountain	
CHUM	Lake Minchumina	
LTI	Latouche	
LVA	Lava Point	
LVY	Levy	
LSI	Little Sitkin Island	
LSNW	Little Sitkin NW	
LSPA	Little Sitkin PP	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LOGN	Logan Glacier	
L26K	Log Cabin Wilderness Lodge, Tok	
LOU	Louis Bay	
MRS	Maars	
OKFG	Magazine Ridge	
MGLS	Mageik Landslide	
MCIR	Makushin Cirque	
MGOD	Makushin Gods Own Repeater Site	
MSOM	Makushin Julie Andrews	
MNAT	Makushin Nateekin	
MREP	Makushin Rep'tr	
MSW	Makushin Switchbacks	
MTBL	Makushin Table Top	
MLP	Malaspina Glacier	MLA
MLA	Malaspina Glacier	
MLY	Manley	
MCARA	McCarthy VSAT	
MCK	McKinley	
MCNL	McNeil River	
MCL	McNeil River	
MENT	Mentasta	
MCR	Mercer	
MESA	MESA	
MMC	Middle Cape	
Q23K	Middleton Island	
MID	Middleton Island	
MIK	Minitrack	
I23K	Minto, Yukon-Koyukuk	
MFA	Mitchell Field	
MTU	Montague Island	
MTG	Montague Island	
MSE	Moose Creek	
MCB	Moose Creek Bluff	
MPA	Moose Pass	
ADAG	Mount Adagdak	
KELA	Mount Kelaz	
KOKL	Mount Kliuchef	
SPU	Mount Spurr	
MDM	Murphy Dome	
NAGA	Nagai Island	
NGI	Nagai Island	
NCA	Nelchina	
NEA2	Nenana	
NEA	Nenana	
NICHA	Nichawak Mountain	
NKA	Nikishka	
NHSA	Nikolaevsk School	
NKI	Nikolski	
NIKO	Nikolski	
NIK	Nikolski	
NIKH	Nikolski High Hill	
NNL	Ninilchik	
NIN	Ninilchik One	
NOM	Nome	
ANM	Nome	
NCG	North Capps Glacier	
NCT	North Crescent	
NGL	North Gasline	
AD7	North Kanaga	
SPNN	North Nagishlamina, Mt. Spurr	
NRA	North River	
AK0	North Tanaga	
AK3	North Tanaga	
AK5	North Tanaga	
AT3	North Tanaga	AK3
NTK	Nunatak	
OPT	Oil Point	
OKAK	Okmok	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKER	Okmok East Rim	
OKID	Okmok Mt. Idak	
OKTU	Okmok Mt. Tulik	
OKNC	Okmok New Cone D	
OKRE	Okmok R'deer Pt	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKWR	Okmok West Rim	
OKWE	Okmok W'ng Wall	
PMR	Palmer	
PME	Palmer East	
PHSA	Palmer High School	
PMS	Palmer South	
PLRM	Palmer USGS	PMR
PWA	Palmer West	
PTPK	Patty Peak	
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PVV	Pavlof Volcano	
PVK	Pavook Mountain	
PAX	Paxson	
PDB	Pedro Bay	
PJD	Pedro Dome	
PNL	Peninsula	
PRYA	Perryville	
PBG1	Petersburg	
PSA	Petersburg	
PBG	Petersburg	
PPSA	Petersburg Public Schools	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLBL	Peulik Blue Creek	
PLWL	Peulik Whale Mountain	
PCA	Pinnacle	
PINM	Pinnacle	PCA
PNN	Pinnacle Mountain	
WPOG	Pogromni	
PTB	Point Barrow	
POKR	Poker Plat Research Range	
PRP	Porcupine Dome	
PTE	Portage	
PTCL	Port Clarence	
FID	Port Fidalgo	
PHA	Port Heiden	
PMA	Port Moller	
PWL	Port Wells	
KPE	Price	
PUB	Puale Bay	
PPLA	Purkeypile	
RC01	Rabbit Creek Array Site 1	
RGD	Ragged Mountain	
RAGM	Ragged Mountain	
RAI	Raspberry Island	
RAT	Rat Island	
RDOG	Red Dog Mine	
RDT	Redoubt	
RDDR	Redoubt East 2	
REF	Redoubt East Flank	
RDJH	Redoubt Jeurgen	
RDN	Redoubt North	
RDSO	Redoubt South	
RSO	Redoubt South	
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RED	Redoubt Volcano	
RDE	Redoubt Vol. East	
RDW	Redoubt West	
RDWB	Redoubt West	
RND	Reindeer	
REM	Remote	
RON	Remote	
RIU	Riou	
RKAV	Rock Avalanche	
SDEM	Sadie Cove	
STMI	Saint Michael	
SPP	Saint Paul	
SP-IS	Saint Paul	
SPIA	Saint Paul Island	
SPI	Saint Paul Islands	
SAMH	Samovar Hills	
SNKA	Sanak Island	
SBY	Sand Bay	
SCRK	Sand Creek	
SGB	San Diego Bay	
SDPT	Sand Point	
SASA	Sand Point	
SDN	Sand Point	
SPBA	Sand Point BB	
SOV	Savoonga	
SVGA	Savoonga	
SML	Sawmill	
SCT	Scotty Lake	
XLV	Seldovia	
SLV	Seldovia	
CEAP	Semis' Anvil Peak	
CERB	Semis' Cerberus	
SSI	Semisopochnoi Island	
CEPE	Semis' Perret Rge	
CERAA	Semis' Rag'd Top	
CESW	Semis' Southwest	
CETU	Semis' Tuman	
SEW	Seward	
SCF	Sheep Creek Facility	
SCM	Sheep Creek Mountain	
SQ-IS	Shemya	
SHY	Shemya	
SMY	Shemya	
SHEM	Shemya Is, Alaska	
SGAM	Sherman Glacier	
SSBA	Shishaldin	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SHU	Shuyak Island	
SYI	Shuyak Island	
RDS	Siegrist	
SIT	Sitka	
SKD	Sitkalidak Island	
SII	Sitkinak Island	
SKAG	Skagway	
SKGA	Skagway School	
SKL	Skilak	
SLKM	Skilak Lake	
SKT	Skwentna	
SDG	Sourdough	
AD6	South Kanaga	
AK2	South Tanaga	
AT2	South Tanaga	AK2
SVW2	Sparrevohn	
SVW	Sparrevohn	
SPL	Spiridon Lake	
SPBG	Spurr Blockage Glacier	
SPCG	Spurr Capps Glacier	
SPCR	Spurr Chakachatna River	
SPNW	Spurr Northwest	
SPWE	Spurr West	
SQF	Squaw Harbor	
SGA	Stephens Glacier	
STY	Stony River	
STLK	Strandline Lake	
SUK	Suckling Hill	
SUCK	Suckling Hills	
SSH	Sunshine	
SNH	Sunshine Point	
SBEA	Susan B. English School	
SST	Susitna	
SUA	Susitna One	
TABL	Table Mountain	
TLK	Talkeetna Mountains	
TACS	Tanaga Cape Sajaka	
TAFP	Tanaga Falls Point	
TAFL	Tanaga Flats	
TANO	Tanaga North	
TAPA	Tanaga Point Aries	
TASE	Tanaga Southeast	
TGL	Tana Glacier	
TNN	Tanana	
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
VMT	TAPS Tl Valdez	
TT01	Tatalina	
TTA	Tatalina	
TTL	Tatalina	
TZL	Tazlina	
TLR	Teller	
TTV	Teren Tiev Lake	
TRF	Thorofare Mountain	
TCY	Tin City	
TNA	Tin City	
TMW	Tok Microwave	
TOA	Tolsona	
M24K	Tolsona, Glennallen	
TOLK	Toolik Lake Research Station	
TKK	Topkok	
TRAP	Trapper Creek	
THY	Trims Highway	
TSIM	Tsina	
WTUG	Tugumak	
UGI	Ugak Island	
UKL	Ugashik Lake	
USL	Ugashik Lake	
AD2	Umak	
UNL	Unalakleet	
UNA	Unalaska	
UNV	Unalaska Valley	
VLZ	Valdez	
VLD	Valdez	
VZS	Valdez South	
VZW	Valdez West	
BPBCA	Veniaminof	
VNHG	Veniaminof 1	
VNFG	Veniaminof 2	
VNNF	Veniaminof 3	
VNKR	Veniaminof 5	
VNSG	Veniaminof 6	
VNSW	Veniaminof 7	
VNSS	Veniaminof 8	
VNWF	Veniaminof 8	
VRDI	Verde Repeater	
VOGL	Vogel Lake	
WAX	Waxell Ridge	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
AK1	West Kanaga	
AT1	West Kanaga	AK1
WRG	White River Glacier	
WLM	Willow Mountain	
WRH	Wood River Hill	
WACK	Wrangell Chichokna Glacier	
WRAK	Wrangell Island	
WAZA	Wrangell Mount Zanetti	
WANC	Wrangell North Crater	
WASW	Wrangell Southwest	
YAH	Yahtse	
AD5	Yakak	
YKGM	Yakataga	
YKU2	Yakutat	
YKU	Yakutat	
YKT	Yakutat	
YCB	Yellow Creek Bluff	
IL01		IL1
AL35		AL5
BC3*		BCA3
IL31		ILB
AL34		FBAL
IM03		IM3
BC03		BCA3
Aleutian Islands, Alaska		
ISLZ	Isanotski Lazaref River	
WEBT	Westdahl Beartrack Creek	
WECS	Westdahl Cape Sarichef	
WESP	Westdahl Peak	
Arizona		
AJAR	Ajai Ranch	
GVA	Apache Junction	
ASU	Arizona State University	
119A	Ashpeak Ranch, Duncan	
318A	Bisbee	
114A	Black Gap (USAF), Gila Bend	
BPK	Black Peak	
BRDG	Blue Ridge	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
BDA	Boulder Dam	
Y18A	Canyon Day Junior High, Whiteriver	
Y15A	Casa Rosa Ranch, Morristown	
CCAZ	Cataract Creek	
Y16A	Circle Bar Ranch, Sunflower	
U19A	Dine' College, Tsaile	
319A	Douglas	
218A	Dragoon	
EKU	East Kanab	
116A	Eloy	
FLG	Flagstaff	
FS-AZ	Flagstaff	
FS-	Flagstaff	FS-AZ
W16A	Flagstaff	
FLAG	Flagstaff	
X17A	Forest Lakes	
FTM	Fortuna Mine	
V18A	Ganado	
Z18A	Geronimo	
Z15A	Gila River Indian Community, Laveen	
GCA	Glen Canyon	
T16A	Glen Canyon Dam (NPS), Page	
GE-	Globe	GE-AZ
GE-AZ	Globe	
GCAZ	Grand Canyon	
V13A	Grand Canyon West	

	Ranch, Meadview	
217A	Green Valley	
HR-	Heber	HR-AZ
HR-AZ	Heber	
118A	Homack Ranch, Wilcox	
W13A	Hualapai Mountain Park, Kingman	
X15A	Humboldt	
HTCH	Hutch Mountain	
JR-	Jerome	JR-AZ
JR-AZ	Jerome	
V15A	Kaibab National Forest USFS, William	
KG-	Kingman	KG-AZ
KG-AZ	Kingman	
KG-AS	Kingman	
KH-	Kohls Ranch	KH-AZ
KH-AZ	Kohls Ranch	
LGA	Laguna Mountains	
X16A	Lo Mia Camp, Pine	
LG-AZ	Long Valley	
LG-	Long Valley	LG-AZ
113A	Mohawk Valley, Roll	
MTLAZ	Mount Logan	
U14A	Mt Trumbull	
MMA	Mummy Mountain	
T17A	Navajo Res., Navajo Mountain	
NL2	Nazlini	
NL2AZ	Nazlini	
NL-	Nazlini	NL-AZ
NL-AZ	Nazlini	
U15A	North Rim	
Y19A	Nutrioso	
117A	Oracle	
214A	Organ Pipe National Monument, Ajo	
PGAZ	Page	
U13A	Pakoon Wash	
S15A	Panguitch	
PDMCI	Parker Dam,Lake Havasu City	
PY-	Payson	PY-AZ
PY-AZ	Payson	
Z16A	Peralta Trail, Apache Junction	
W18A	Petrified Forest	
PFA	Pierce Ferry	
QC-	Queen Creek	
Y17A	Roosevelt	
U18A	Rough Rock, Chinle	
SGI03	Saint George Infrasonic Array Site 3	
Y13A	Salome	
Z17A	San Carlos High School, San Carlos	
W19A	Sanders	
SLU	San Luis	
SG-AZ	Seligman	
SG-	Seligman	SG-AZ
W14A	Seligman	
U17A	Shonto	
X18A	Snowflake	
SF-AZ	Snowflake	
SF-	Snowflake	SF-AZ
115A	Sonoran Desert, Stanfield	
SV-	Springerville	SV-AZ
SV-AZ	Springerville	
X19A	St. Johns	
SN-	Sunflower	SN-AZ
SN-AZ	Sunflower	
SCN	Sunset Crater	
216A	Three Points, Tucson	
Z19A	T-Link Ranch, Clifton	
V17A	Tonalea, Kykotsmovi	
TFO	Tonto Forest Array	
THO	Tonto Hills Observatory	
TSL	Tsaile	
U16A	Tuba City	
TUC	Tucson	
TDM	Tucson Desert	
TUO	Tucson Observatory	
TUT	Tucson--Telemeter	
UOA	University of Arizona	
219A	White Tail Canyon, San Simon	
Y14A	Wickenburg	
WMZ	Williams	
WM-	Williams	WM-AZ
W15A	Williams	
WM-AZ	Williams	
V19A	Window Rock	
WO-	Winslow	WO-AZ
WO-AZ	Winslow	
W17A	Winslow	
Z14A	Wintersburg	
WUAZ	Wupatki	
X14A	Yava	
X13A	Yucca	
112A	Yuma	
YMD	Yuma Desert	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Arkansas		
Z43A	Armstrong Family, Eudora	
AFAR	Ash Flat	
BK-AR	Bald Knob	
W42A	Bald Knob	
BK-	Bald Knob	BK-AR
X40A	Basin Creek Farm, Marlvern	
V44A	Blytheville	
CCAR	Cane Creek	
V38A	Canehill	
CW-AR	Conway	
CW-	Conway	CW-AR
V42A	Cord	
CRID	Crittenden County--Downhole	
CRIS	Crittenden County--Surface	
DLAR	Dell	
Y41A	Eaglette Bearden	
FAY	Fayetteville	
FAV	Fayetteville	
W40A	Ferguson Farm, Pottsville	
W43A	Forest City	
X39A	Fountain Ranch, Mena	
Y42A	Garnett, Star City	
W41B	Gary Mavity, Velonia	
U38A	Gravette	
X102	Greenbrier Site X102	
X201	Greenbrier Site X201	
X301	Greenbrier Site X301	
U39A	Green Forest	
HBAR	Harrisburg	
HCI	Hatchie Coon Island	
HHAR	Hobbs	
HOGG	Hoggard's Bluff	
IK-AR	Ink	
IK-	Ink	IK-AR
V43A	Jonesboro	
JHP	Judd Hill Plantation	
X41A	Kaden, Bauxite	
LGAR	La Grange	
LCAR	Lake Charles	
LVAR	Leachville	
LRA	Little Rock	
Y39A	Locksburg	
Z40A	Long Farm, Magnolia	
LRDO	Lorado	
W39A	Magazine	
MSAR	Manila South	
MK-AR	Marked Tree	
MK-	Marked Tree	MK-AR
X43A	Marvell	
MY-AR	McCrory	
MY-	McCrory	MY-AR
MCAR	Mid-South CC	
MP-AR	Mountain Pine	
MP-	Mountain Pine	MP-AR
V41A	Mountainview	
MZ-AR	Mount Ida	
MIAR	Mount Ida	
MZ-	Mount Ida	MZ-AR
Z42A	Norrel Spur, Hamburg	
Y40A	Okolona	
OLY	Olyphant	
FCAR	Ozark Folk Center	
PGA	Paragould	
PV-AR	Perryville	
PV-	Perryville	PV-AR
V39A	Pettigrew	
POW	Powhatan	
QUAR	Qualls	
U43A	Rector	
U42A	Revenden	
Z41A	Richland Creek Farm, El Dorado	
X47A	Russelville	
SEAR	Searcy	
STAR	Star City	
X42A	Stuttgart	
W41A	Tony Mavity, Velonia	
TWAR	Twist	
UALR	University of Arkansas, Little Rock	
U41A	Viola	
WGAR	Walnut Grove	
WR-AR	Walnut Ridge	
WR-	Walnut Ridge	WR-AR
WLAR	White Oak Lake	
WLA	Wittsburg Lake	
V40A	Witts Springs	
X49A	Woodville	
WHAR	Wooly Hollow	
WY-AR	Wynne	
WY-	Wynne	WY-AR
U40A	Yellville	
California		
TN-	29 Palms	TN-CL
O03C	Acorn Hollow, Los Molinos	
PADM	Adeladia	
ADL	Adelanto	
ADO	Adelanto Receiving Station	
VAK	Adit at Lawrence Berkeley Lab, Berkeley, CA	
GACM	Adobe Creek	
AVC	Adobe Valley	
AGAC	Agave Hill	
AGOC	Agoura	
AL1	Aidlin Power Plant 1	
AL2	Aidlin Power Plant 2	
AL3	Aidlin Power Plant 3	
AL4	Aidlin Power Plant 4	
AL6	Aidlin Power Plant 6	
AARM	Airport Road	
PAPM	Alder Peak	
GASB	Alder Springs	
GAS	Alder Springs	
ARDC	Alexander Ranch	
GAXM	Alexander Valley	
NADM	Allendale	
JALM	Almaden	AMC
AMC	Almaden	
WASM	Alta Sierra Campground	
ALV	Alvord Mountain	
AMR	Amargosa	
AMS	Amos	
AIC	Anacapa Island	
BAPM	Anderson Peak	
CADM	Anderson Res.	ADR
ADR	Anderson Reservoir	
CAIM	Angel Island	AGC
AGC	Angel Island	
LT13	Angel Island	AGC
ALPC	Antelope	
PAGB	Antelope Grade	
PAGM	Antelope Grade	
LAMM	Antelope Mountain	
ANTCA	Antelope Range	
BAVM	Antelope Valley	
PARM	Anticline Ridge	
CACM	Antioch	
AN9*	Anzar Reservoir 9	
HAZM	Anzar Road	ANZ
ANZ	Anzar Road	
GARM	Arbuckle	
ARC	Arcata	
LASM	Arnica Sink	
CAOM	Arnold Ranch	ARN
ARN	Arnold Ranch	
AASM	Arroyo Seco	
ARVC	Arvin	
NAPC	Atlas Peak	
ADC	Auburn Dam	
BABR	Babbit Peak	
BACC	Bachelor Mtn.	
BKRC	Baker	
BF-CL	Bakersfield	
BF-	Bakersfield	BF-CL
BALC	Balcom Canyon	
CBLG	Bald Mountain Lookout	
BHPC	Baldwin Hills Oil	
GBMM	Baldy Mountain	
BREC	Barre Substation	
BAR	Barrett	
KBRM	Barry Ridge	
PBRM	Bassetti Ranch	
LBMM	Bass Mountain	
BATC	Bat Cave Butte	
BBEB	Bay Bridge East	
E17B	Bay Bridge East Pier 17	
E07B	Bay Bridge East Pier 7	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
KBBM	Bear Butte	
BCCC	Bear Creek Country Club, Murrieta	
JBCM	Bear Creek Road	LT15
LT15	Bear Creek Road	
JBGM	Bear Gulch	BGH
BGH	Bear Gulch	
BMTC	Bear Mountain	
BVLM	Bear Valley	BVL
BVL	Bear Valley	
BVC	Bear Valley Observatory	NOLM
PKD	Bear Valley Ranch, Parkfield	
BBSC	Beaumont Base	
BEKR	Beckworth	
NBRM	Beebe Ranch	BBR
BBR	Beebe Ranch	
NBRB	Beebe Ranch Broadband	
LBPM	Beegum Peak	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
KBSM	Bell Springs	
JBNB	Ben Lomond Mountain, Santa Cruz County	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BENR	Benton	
BKS	Berkeley--Byerly	
BRK	Berkeley--Haviland	
NBPM	Berryessa Peak	
BRTC	Bertell Ranch	
BVH	Beverly Hills	
N02C	Big Bar	
BBC	Big Bear	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BC3	Big Chuckawalla Mtns, Desert Center	
BC2	Big Chuckwalla Mountains 2	
GBDM	Big Darby	
LBGM	Big Gulch	
R04C	Big Horse Ranch, Ione	
BMM	Big Maria Mountains	
BBGM	Big Mountain	
BBGB	Big Mountain Broadband	
BCKR	Birch Creek	
WBSM	Bird Springs	
BP-CL	Bishop	
BHPR	Bishop	
BP-	Bishop	BP-CL
BCW	Bitter Crk WRge	
PBWM	Bitterwater Creek	BTW
BTW	Bitterwater Creek	
PBPM	Bitterwater Pump Station	
BLCC	Black Canyon	
BCHM	Black Canyon North	
BDM	Black Diamond Mines Park, Antioch	
LBFM	Black Fox Mountain	
BMRR	Black Mountain	
JBMM	Black Mountain	
BLDC	Black Mountain	
BLKC	Black Mountain	
GBOM	Black Oak	
BLAC	Blackrock camp	
MBFM	Blanchard Fire Station	
OBHM	Bloomer Hill	
KBNM	Bluenose Ridge	
BLU	Blue Ridge	
Y12C	Blythe	
BLYC	Blythe	
ABJM	Bob Jauregui Ranch	
BODR	Bodie	
GBGM	Boggs Mountain	
CBRM	Bolinger Road	BGC
BGC	Bolinger Road	
LT16	Bolinger Road	BGC
LBKM	Bonanza King	
BON	Bonds Corner	
BRGC	Borrego Mountain	
BORC	Borrego Springs	
BRP	Bottle Rock Power	
V05C	Boulder Hill, Kettleman City	
BCH	Branch Mountain	
WBMM	Breckenridge Mountain	
BRIB	Briones	
SBRN	Brisbane	
BSCP	Brocks Farm	
CBWM	Brookwood Res.	BKC
BKC	Brookwood Reservoir	
ABRM	Brophy Road	
BTCC	Brunts Corner	
PBYM	Bryson	
CBZL	Buffer Zone	
BL67	Building 67, Lawrence Berkeley Lab, Berkeley, CA	
BL88	Building 88, Lawrence Berkeley Lab, Berkeley, CA	
BTPC	Burnt Peak	
BTL	Butler Peak	
LBCM	Butte Creek Rim	
JBZM	Buzzard Lagoon Road	
BZNA	Buzz No.'s Place	
CBSM	Byron Hot Springs	
CBSNC	Byron Hot Springs, Alameda County	
CTCC	Cactus City	
WCFM	Cactus Flat W	CFWM
CFWM	Cactus Flat West	
WCPM	Cactus Peak W	CPTM
CPTM	Cactus Peak West	
CAD	Cady Mountains	
JCHM	Cahill Ridge	
KCPM	Cahto Peak	
CAHC	Cahuilla Valley	
CALB	Calabasas	
CALM	Calaveras Res.	CVR
CVR	Calaveras Reservoir	
CLTC	Calectric	
CB2	Calero Reservoir	
CCAC	Calif City Airpt	
CALC	California City	
CSH	California State, Hayward	
CLIC	Calipatria	
CLS	Calistoga	
M02C	Callahan	
CPPC	Cal Poly Pomona	
BAKC	Calstate	
CSHM	Cal. St., Hayward	CSH
CBCC	Caltech Broad	
CACC	Caltech Cellar	
GSA	Caltech--GSA	
CRPC	Caltech Rob'n Pit	
CAMC	Camarillo Hills	
PCBM	Cambria	
JBLM	Camp Ben Lomond	
CPE	Camp Elliot	
109C	Camp Elliot, Miramar	
CP-CL	Campo	
CP-	Campo	CP-CL
CPT	Camp Pendleton	
KSXM	Camp Six	
KSXB	Camp Six Broadband	
CDC	Canada Road	
AN7*	Canada Road	CDC
HCAM	Canada Road	CDC
CBKC	Canebrake	
NCFM	Canfield Road	
KCTM	Capetown	
CAPCA	Capra Ranch	
CVS	Carmenet Vineyards, Sonoma	
CRQB	Carquinez Bridge	
CARC	Carrizo Plain	
CRR	Carrizo Plain	
MCHM	Carson Hill	CRH
CRH	Carson Hill	
CRY	Cary Ranch	
MCBM	Casa Benchmark	
DBOG	Casa Diablo	
MCSM	Casa Diablo Hot Springs	
CASR	Casa Diablo Mountain	
CJV	Casa Juvan	
BCD	Casitas Dam	
BCL	Casitas Lake	
LCAM	Castella	
CTM	Castle Mountain	
PCAM	Castle Mt.	CTM
CRC	Castle Rock	
GCRM	Castle Rock Springs	
CTD	Catalina Dam	
CIAC	Catalina I. Airport	
CIU	Catalina Island	
CIS	Catalina Island Airport, Avalon	
NCDM	Cavedale Road	CRD
CRD	Cavedale Road	
CAVC	Cave Mountain	
CED	Cedar Springs	
CSP	Cedar Springs	
CFSC	Central Fire St	
MCEM	Central Site	
PCGM	Cerro Alto Campground	
CGO	Cerro Gordo	
KCRM	Chalk Rock	
CBC	Chamberlain	
HCBM	Chamberlain	CBC
GCBM	Chamberlain Ridge	
HCRM	Chase Ranch	CSR
CSR	Chase Ranch	
AN6*	Chase Ranch	CSR
CMH	Chemehuevi Mountains	
JCBM	Chesbro Res.	CBO
CB1	Chesbro Res. 1	ADR
CB3	Chesbro Res. 3	COE
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB8	Chesbro Res. 8	
CBO	Chesbro Reservoir	
O04C	Chester	
BCWM	Chews Ridge	
CCO	Chico	
MCDM	Chidago Canyon	
CFL	Chilao Flats	
CHFC	Chilao Flat Sta	
WCHM	Chimney Peak	
WCGM	China Gardens	CGSM
CGSM	China Gardens South	
GPO	China Lake	
CLC	China Lake	
WCXM	China Lake Receiver Site	
CHNC	Chino	
CH2	Chocolate Mountain	
COT	Chocolate Mountains	
CCRB	Cholame Creek	
PCMM	Cholame Hills	
CVC	Cholame Valley	
CCCA	Chr Cany lake	
XMS	Christmas Canyon	
CHP	Chuchupate	
CCX	Cicese	
AN14*	Cienega Rd	BCGM
BCGM	Cienega Road	
GCK	Clark Valley	
GCVM	Cloverdale	
COA	Coachella	
GCMM	Cobb Mountain	
COE	Coe Ranch	
CCOM	Coe Ranch	COE
CCOB	Coe Ranch Number 3	
OCHM	Cohasset Ridge	
LCMM	Colby Mountain	
GCSM	Cold Spring Mountain	
KCSM	Cold Springs	
CWCR	Coldwater Canyon	
R06C	Coleville	
LCSM	College of the Siskiyous	
BCC	Colson Canyon	
SCCM	Colson Canyon	

Code	*Station Name*	*Other*
CMB	Columbia College	
COOC	Compton	
CNC	Concord--Diablo Valley College	
MCVM	Convict Lake	
MCMM	Convict Lake	
CKC	Cook Canyon	
WCOM	Cook Peak	
COK	Cook Ranch	
CPM	Copper Mountain	
MCUM	Copperopolis	
MCUB	Copperopolis Broadband	
HCZM	Cordoza Dairy	
HCOM	Corn Cob Canyon	
CRNC	Corona	
COQ	Corona Quarry	
CSTL	Corral Hollow	
CBHM	Coso Basin North	
WCSM	Coso Springs S	CSSM
CSSM	Coso Springs South	
C055	Cottonwood Avenue, Hayward	
CWC	Cottonwood Creek, Lone Pine	
CTW	Cottonwood Mountains	
GCWM	Cow Mountain	
CO2	Coxcomb Mountains 2	
CYD1	Coyote D'meter	
CCYM	Coyote Hills	
CYH	Coyote Hills	
LT8	Coyote Hills	CYH
COY	Coyote Mountain	
JCPM	Coyote Point	
CFT	Crafton Hills	
PCCM	Crazy Canyon	
M01C	Crescent City	
LCFM	Crescent Cliff	
CSL	Crestline	
HCPM	Crevison Peak	
CRGC	Crocker Grade	
CCNM	Crow Canyon Rd	CYC
CYC	Crow Canyon Road	
CLKR	Crowley Lake	
XTL	Crystal Lake, Glendora	
PCRM	Curry Mountain	
DLT	Dalton	
CDAL	Dalton Road	
DANC	Danby, Needles	
DAC	Darwin (Calif)	
DPD	Davis Peak	
MDCM	Deadman Creek	
DV-CL	Death Valley	
DV-	Death Valley	DV-CL
DSP	Deep Springs	
DLAC	Del Amo	
CDVM	Del Valle	
CL1	Del Valle	CDVM
DHS	Desert Hot Springs	
DREC	Desert Rsrch Ctr	
DSCC	Desert Studies Ctr	
DTP	Desert Tortoise Park	
DVTC	Desert View Tower, Jacumba	
DEVC	Devers	
DVL	Devil Canyon	
DKNM	Devils Kitchen North	
MDPM	Devils Postpile	
MDPB	Devils Postpile Broadband	
DCD	Diablo Creek	
DIR	Diamond Ranch	
LDBM	Digger Butte	
AN5*	Dillon Ranch	DIL
HDLM	Dillon Ranch	DIL
DIL	Dillon Ranch	
MDRNC	Doe Ridge	
PDRM	Domengine Ranch	
DGR	Domenigoni Valley Reservoir	
DJJ	Donna J Jenkins	
DONR	Donner Summit	
CDSM	Don Santos Ranch	
CDOM	Doolan Road	DOO
DOO	Doolan Road	
DPP	Dos Picos Cty Pk	
P01C	Double 8 Ranch, Willits	
DB2	Double Butte	
DBM	Double Mountain	
DHB	Downhole Baldwin Hills	
GDCM	Dry Creek	
MDYM	Dry Creek	
ADWM	Drytown Water District	
DUC	Duarte Ranch	
DTEM	Dunmovintown East	
NDHM	Dunnigan Hills	
DNR	Dunn Ranch,Anza	
CDUM	Durate Ranch	DUC
EADB	Eade Ranch	
T05C	Eagle Field, Dos Palos	
ELFS	Eagle Lake Field Station, Susanville	
EAG	Eagle Mountain	
MEMM	East Mammoth Hills	
EMSC	East Mesa	
EWC	East Wide Canyon	
EBP	Ebbets Pass	
ECF	Echo Falls	
RRX	Edison Barstow Service Cntr. Barstow	
EDW2	Edwards Air Force Base 2, Rosamond	
EDW	Edwards Air Force Base,Rosamund	
O01C	Eel River Conservation Camp, Redway	
ECA	El Cajon	
ECC	El Centro	
JEGM	El Granada	
EKH	Elkhorn Ranch	
BEHM	Elkhorn Ranch	EKH
HERM	Elkhorn Road	
EKR	Elk River	
JELM	Ellicott	
JELB	Ellicott, Santa Cruz County	
ELMC	El Mirage	
EL2	El Mirage 2	
EML	El Monte Cty Pk	
ELRC	Elmore Ranch	
ERRC	Elmore Ranch	
ESGS	El Segundo	
ELS	Elsinore Mountain	
TEJ	El Tejon	
EMB	Emerald Bay	
EFD	Emergency Operations Facility	
BEMM	Emmet	EMT
EMT	Emmet	
LT11	Empire Grade Rd	EGR
EGR	Empire Grade Road	
ERPC	Ernies Place	
EUC	Eureka Canyon	
JECM	Eureka Canyon	EUC
LT12	Eureka Canyon	EUC
JECB	Eureka Canyon	
EW2	E Wide Canyon 2	
EXSG	Experiment Station	
FAL	Falling Springs	
NFIM	Farallon Islands	
FARB	Farallon Islands	
FRGC	Fargo Canyon	
KFPM	Farley Peak	
FEA	Feather Falls	
FER	Ferndale	
FHC	Fickle Hill	
AFRM	Fiddyment Ranch	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
MFBM	Five Bridges	
FLSC	Flash Two Peak	
HFHM	Flint Hills	
FON	Fontana	
JFP	Foothills Park , Santa Clara County	
FRD	Ford Ranch, Anza	
AFDM	Forest Hills Divide	
AFHM	Forest Hill Site	
AN2*	Forsythe	
FMA	Fort MacArthur	
FMP	Fort Macarthur Park, San Pedro	
FTR	Fort Ross	
FTC	Fort Tejon	
FOXC	Fox Airport	
FOX	Fox Creek	
FNF	Frandzen Federal Estate	
HFPM	Fremont Peak	FRP
FRP	Fremont Peak	
FRE	Fresno	
FRI	Friant	
FRK	Frink	
FROB	Froelich Ranch	
FULC	Fullerton	
FLAS	Fullerton Airport	
FUM	Fumarole	
FMT	Funeral Mountains	
GFC	Funks Creek	
FURC	Furnace Creek,Death Valley	
GALC	Galileo	
LGMM	Garner Mountain	
GVDA	Garner Valley	
GVRC	Garvey Reservoir	
CGPM	Gavin Park	
GGPM	Geyser Peak	
GDXM	Geysers	
GHS	Gilroy Hot Springs	
HGSM	Gilroy Springs	GHS
HGWM	Gilroy West	
GLA	Glamis	
GAV	Glen Avon	
GGLM	Glenview	
GATR	Gnd/Air Tx Cntr	
GTM	Goat Mountain	
PGHM	Gold Hill	GHC
GHIB	Gold Hill	
PK1	Gold Hill	GHC
GHC	Gold Hill	
AGIM	Gold Rush Inn	
GSC	Goldstone, Barstow	
PGWM	Grace West	
GCC	Granite Creek	
GMRC	Granite Mountains Research Center, Essex	
GRP	Granite Pass	
LGPM	Granite Peak	
GVN	Grapevine	
GRAC	Grapevine Ranger Station, Death Valley	
MGPM	Gravel Pit	
LGBM	Gray Butte	
GORC	Green Oak Ranch	
VSTC	Green Oak Ranch, Vista	
GVR	Green Valley Road	
DECC	Green Verdugo Microwave Site, Sunland	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
LGRM	Grenada	
GR2C	Griffith Obs. 2	
GOC	Griffith Observatory	
GFP	Griffith Park	
LGHM	Grouse Hill	
KGMM	Grouse Mountain	
GGUM	Gualala	
AHDM	Hacienda Drive	
HAI	Haiwee	
HWSM	Haiwee Spring South	
WHSM	Haiwe Spring S	HWSM
GHOM	Hamilton Opening	
HMR	Hamilton Ranch	
WHFM	Hanning Flat	
HWB	Hans Werner Braun Residence, San Diego	
PHAM	Harlan Ranch	
AHRM	Harold F. Ross	
HRC	Harris Ranch	
HAST	Hastings Reserve	
BHSM	Hastings State Park	
LHCM	Hat Creek	
HATC	Hat Creek Radio Observatory, Hat Creek	
HAV	Havilah	
WHVM	Havilah	
HAY	Hayfield	
KHBM	Hayfork Bally	
HYS	Haystack Butte	
NHBM	Healdsburg	
PHCM	Hearst Castle	
HEC	Hector,Ludlow	
PHFM	Heflinger Ranch	
HMTC	Hemet	
HERB	Hercules	
LHEM	Herd Peak	
U04C	Hernandez Reservoir, Idria	
PHRM	Hernandez Valley	HVC
HVC	Hernandez Valley	
PHSM	Hesperia	
PHSB	Hesperia Broadband	
HDB	Hidalgo Marine Base	
HDG	Hidalgo Mountain	
MHDM	Hidden Dam	
LHHM	High Hole Crater	
HLNC	Highland	
GHLM	Highland Springs	
GHVM	High Valley	
HTCR	Hilton Creek	
LHMM	Hirz Mountain	
LHOM	Hoadley Peaks	
HBT	Hobart Mills	
HBM	Hobart Mills	
HOD	Hodge	
BHRM	Hodges Ranch	
GHGM	Hogback Ridge	
PHGM	Hog Canyon	
HOLC	Holcomb Ridge	
JHLM	Holstrom Ranch	
HCC	Holy Cross	
OHCM	Honcut	
PHPM	Hope Ranch	
HOPS	Hopland Field Station, Hopland	
KHMM	Horse Mountain	
HOT	Hot Springs Mountain	
GHCM	House Creek	
JHPM	Huddart Park	
JHUM	Huhtala Lane, Santa Cruz County	
GHMM	Hull Mountain	
HBW	Humming Bird West	
V03C	Hunter Liggett MR Jolon	
PHBM	Huron Fishing Bridge	
IBP	Imperial Boulder Park, Ocotillo	
IND	Independence	
PIVM	Indian Valley	
INDC	Indio Hills	
S04C	Ingram Canyon, Westley	
ING	Ingram Ranch	
IKP	In-Ko-Pah, Jacumba	
INS	Inspiration	
IRS	Iris	
IR2C	Iron Canyon	
IRC	Iron Canyon	
NIMB	Iron Mountain	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
KIPM	Iron Peak	
ISA	Isabella, Lake Isabella	
PIRM	Iverson Ranch	
JCC	Jacoby Creek, Bayside	
JAS	Jamestown	
JAS1	Jamestown	
JRSC	Jasper Ridge	
JCNB	Joaquin Canyon North	
JCSB	Joaquin Canyon South	
JJRM	Joaquin Road	
KJJM	Johnny Jack Ridge	
HJSM	John Smith Road	
BJCM	Johnson Can.	JHC
AN15*	Johnson Can.	JHC
JHC	Johnson Canyon	
WJPM	Johns Peak	
JOL	Jolon Road	
PJRM	Jolon Road	JOL
JFS	Joseph F. Staten	
JRC2	Joshua Ridge	
JRWM	Joshua Ridge West	
JTR	Joshua Tree Park	
SNDA	J Saunders Place	
JULC	Julian	
JNH	Juniper Hills	
PJUM	Juniper Ridge	
KCC	Kaiser Creek	
KPK	Kanaka Peak	
KEE	Keen Camp Maintenance Station	
KFC	Kentfield	
WKTM	Kern-Tulare	
PKLM	Kerr Lake	
KKPM	Kettenpom Peak	
PKEM	Kettleman Hills	
KYP	Key Point	
HKRM	Kincaid Ranch	
KRC	King Ranch	
R05C	Kirkwood Meadows Resort, Kirkwood	
KNO	Knox Ranch	
KBY	Kobayashi Ranch	
KM-CL	Kramer	
KM-	Kramer	KM-CL
KBF	Kyburz Flat	
LCGC	La Cienega, Culver City	
LPC	La Cumbre Peak	
BLG	Laguna Peak, Port Hueneme	
LT5	La Honda	
LJC	La Jolla	
CLCB	Lake Chabot	
CLCM	Lake Chabot	LKC
LKC	Lake Chabot	
NLHM	Lake Herman	
LHU	Lake Hughes	
J061	Lakeshore Drive, S. Francisco	
LGC	Lakewood Golf Course	
LANC	Lancaster	
LAC	Landers	
LDFC	Landfair	
LAQC	La Quinta	
LCH	Last Change Range	
ALAM	Latrobe	
LRCG	Laurel Creek	
MLCM	Laurel Creek Canyon	
JLAB	Laurel Hill	
JLAM	Laurel Hill	
LRMC	Laurel Mtn Radio Fac, Ridgecrest	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
ADIT	Lawson Adit, UC Berkeley, California	
LED	Lead Mountain	
R07C	Lee Vining	
WLPM	Leibel Peak	
LEOC	Leona Valley	
BLRM	Lewis Ranch	
JLXM	Lexington Res.	LXR
LXR	Lexington Reservoir	
M06C	Likely Place Golf, Likely	
Q04C	Lincoln	
ALNM	Lincoln	
MLIM	Lincoln Peak	
LOC	Lincoln School	
HLPM	Lions Peak	
LITR	Litchfield	
LCCB	Little Cholame Creek	
LTC	Little Chuckwalla Mountains	
WLHM	Little Horse	
MLHM	Little Hot Creek	
LTM	Little Maria Mountains	
LMHM	Little Mount Hoffman	
BRVM	Little Rabbit V.	LRV
LRV	Little Rabbit Valley	
LRRC	Littlerock Reservoir	
LLA	Llanada	
LLAC	Llano	
LOK	Lockwood Valley	
JLPM	Loma Prieta	
LOMS	Lomita	
BLP	Lompoc	
LRC	Lone Oak Road	
PLOM	Lone Oak Road	LRC
LN9	Lone Pine	
LTR	Lone Tree Road	
HLTM	Lone Tree Road	LTR
M05C	Lookout	
LMCR	Lookout Mountain	
LMO	Lookout Mountain Observatory	
LMS	Lookout Mountain Observatory	
LNAS	Los Alamitos	
LCM	Los Angeles Museum of Natural History	
LSDC	Los Osos Digital	
JLTM	Los Trancos	LTW
JTRM	Los Trancos Road	
LTW	Los Trancos Woods	
LJB	Lovejoy Buttes	
LOY	Loyalton	
LUL	Lundy Lake	
M04C	Macdoel	
MGL	Magalia	
KMRM	Mail Ridge	
MLKM	Mammoth Lakes	
MMLB	Mammoth Lakes Knolls	
MLAC	Mammoth, Mammoth Lakes	
MMPM	Mammoth Pass	
MMSM	Mammoth Summit	
MPMC	Manual Prospect Mine,Trona	
LMEM	Manzanita Entrance	
MLC	Manzanita Lake	
LMZM	Manzanita Lake	
MCA	Marble Canyon	
MCCM	Marconi Conference Center, Marshall	
MARC	Maricopa	
MHDL	Marin Headlands	
MAC	Mark West Springs	
NMWM	Mark W Springs	MAC
MIRC	Martinez Indian Reservation	
MPK	Martis Peak	
MV-CL	Marysville	
MV-	Marysville	MV-CL
PMRM	Maxey Ranch	
GMMM	Mayacamas Mountains	
M03C	McCloud	
MFSM	McCloud Flat S	MFS
MFS	McCloud Flat South	
MGNR	McGee Canyon	
HOME	McLaughlin Mine	
MNRC	McLaughlin Mine	
GMCM	McLaughlin Ranch	
PMCM	McMillan Canyon	
BMCM	McPhails Peak	
PKM	Mcpherson Peak, Los Olivos	
MYIG	Me@15rida	
MECC	Mecca Hills	
LMDM	Medicine Lake	
LT7	Menlo Park	MOB
MOB	Menlo Park	
JMPM	Menlo Park	
S05C	Merced	
BMSM	Mercy Hot Springs	
MMIM	Miami Mountain	
MMNB	Middle Mountain	
NMTM	Middletown	
CMPM	Mikes Peak	
MGA	Milagra Ridge	
JMGM	Milagra Ridge	MGA
LMPM	Military Pass	
MILG	Mill City	
MLL	Mill Creek	
NMCNC	Mill Creek, Sonoma County	
T06C	Millerton Lake Dam, Friant	
CMCM	Mills College	
MLNR	Milner Canyon	
MINS	Minaret Summit	
MIN	Mineral	
CB9	Mines Road	MNR
CMRM	Mines Road	MNR
CMNM	Mines Road	
CL2	Mines Road	CMNM
MNR	Mines Road	
MLSC	Mira Loma	
MSJ	Mission San Jose	
CMJM	Mission San Jose	MSJ
HELL	Mitchell Peak, Miramonte	
MMWM	Mi Wuk Village	
MIX	Mix Canyon Road	

Code	Station Name	Other
NMXM	Mix Canyon Road	MIX
MOD	Modoc Plateau	
GMOM	Moffitt Ranch	
MRD	Mojave River Dam	
MOP	Monarch Peak	
PMPM	Monarch Peak	MOP
PMPB	Monarch Peak	
MCRR	Mono Craters	
MCCR	Mono Craters	
ML4CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML1CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML2CL	Mono Lake	
ML1	Mono Lake	ML1CL
ML3CL	Mono Lake	
ML3	Mono Lake	ML3CL
MONR	Mono Valley	
B040	Montague	
MTB	Montebello Ridge	
HMOM	Monterey	MTR
MTR	Monterey	
MOBB	Monterey Bay OB	
MONP	Monument Peak, Mt. Laguna	
MONP2	Monument Peak TA Vault, Mt. Laguna	
MTC	Morgan Territory	
CMOB	Morgan Territory	
LT17	Morgan Territory	MTC
CMOM	Morgan Territory	MTC
MRVC	Morongo Valley	
ABL	Mount Abel	
BFSC	Mount Baldy Ranger Station	
MBUM	Mount Bullion	
MDA	Mount Davis	
MDC	Mount Diablo	
MHC	Mount Hamilton	
MHR	Mount Hamilton Road	
LHKM	Mount Harkness	
BMHM	Mount Harlan	
BJOM	Mount Johnson	
GMKM	Mount Konoctai	
LAS	Mount Lassen	
CMLM	Mount Lewis	
PMLM	Mount Lospe	
CMMM	Mount Mocho	
OLYC	Mount Olympus	
COSM	Mount Oso	
KMPM	Mount Pierce	
MPI	Mount Pinos, Frazier Park	
NMHM	Mount Saint Helena	
SHC	Mount Saint Helena	
NHSM	Mount Saint Helena South	
SGL	Mount Signal	
NTPM	Mount Tamalpais	
JUMM	Mount Umunhum	
MWC	Mount Wilson	
O02D	Mt. Diablo Meridian	
CMHM	Mt Hamilton Road	MHR
NHMM	Mt Hamilton Road	HMR
CB10	Mt Hamilton Road	MHR
MURC	Murrieta	
GNAM	Navarro Ridge	
ND-CL	Needles	
ND-	Needles	ND-CL
NEE	Needles	
NEE2	Needles Airport, Needles	
NEG	NEGU Pad	
JNAM	New Almaden Mine	
MNHB	New Hogan Dam	
MNHM	New Hogan Reservoir	
NW2	New River	
CNIC	Niles Canyon	
NMC	Nine Mile Canyon	
WNMM	Nine Mile Canyon	NMC
NOP	Nopah Range	
CNCM	Norris Canyon Road	
HLLC	North Hollywood	
NOCG	North-of-Casa	
WOFM	Oak Flat	
OAT	Oat Mountain	
OBB	Obsidian Butte	
MOYM	O'Byrne Ferry	
OBS	Ocean Bottom Seismometer	
HORM	O'Connell Ranch	OCR
OCR	O'Connell Ranch	
OHLN	Ohlone	
OMM	Old Mammoth Mine	
OMMB	Old Mammoth Mine - surface	
OLC	Olema	NOLM
NOLM	Olema	
WORM	Onyx Ranch	
AOHM	Oregon House	
ORCC	Oricopia Mountain	
KOMM	Orleans Mountain	
ORV	Oroville	
OSI	Osito Audit: Castaic Lake Dam, Castaic	
AODM	Outingdale	
ORC	Owens River	
OXMT	Ox Mountain	
HPLM	Pacheco Lake	PCL
HPCM	Pacheco Lake	
PCL	Pacheco Lake	
AN4*	Pacheco Lake	PCL
PACP	Pacheco Peak	
PAM	Palermo	
PSP	Palm Springs	
PAC	Palo Alto--Branner	
PLM	Palomar	
LT18	Palomares Rd	PLC
CPLM	Palomares Road	
PLC	Palomares Road	
PVRC	Palos Verdes	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PGE	Panamint Range	
PANV	Panamint Range	
PRS	Paraiso	
PKD1	Parkfield	
PKF	Parkfield Array	
PPFM	Parkfield Array	PKF
HPHM	Park Hill	PKH
PKH	Park Hill	
PAS	Pasadena	
PASC	Pasadena Art Cn	
PPRM	Paso Robles	
PWTG	Paul Wright Trailer	
O03E	Paynes Creek	
O03D	Paynes Creek	
PTV	Peach Tree Valley	
PPTM	Peach Tree Valley	PTV
PKC	Peckham Road	
AN8*	Peckham Road	PKC
HPRM	Peckham Road	PKC
PEC	Perris	
PRR	Perris	
PSD	Pescadero	
JPC	Peters Creek, San Mateo County	
BPFM	Pfieffer Point	
PIC	Picacho Peak	
KPPM	Pickett Peak	
PCC	Pilarcitos Creek	
PLT	Pilot Knob	
XPFO	Pin@16on Flat	
BPCNC	Pine Canyon	
PNC	Pine Canyon	
BPCM	Pine Canyon	
AN1*	Pine Canyon	PNC
PFR	Pine Flat Road	
GPMM	Pine Mountain	
PEM	Pine Mountain	
BPIM	Pinnacles	
CPIM	Pinole Ridge	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
TPFO	Pinon Flats	
PNMC	Pinto Mountains	
PFO	Pinyon Flats Observatory	
BPPM	Pinyon Peak	
PPK	Piper Mountain	
PIU	Piute Mountains	
PZC	Pizona Creek	
GFTM	Plant 15--Mercuryville	
CPNM	Pleasanton	
JPLM	Pleasant Valley	PEV
PEV	Pleasant Valley	
PLEC	Pleito Hills	
GAFM	Point Arena AFB	
PT2	Point Dume	
CPMM	Point Molate	
NPRM	Point Reyes	
PRC	Point Reyes	
PSUR	Point Sur Hydrophone	
POCCA	Poleta Canyon	
POB	Polly Butte	
PCF	Pomona	
POM	Pomona	
BPRM	Ponciano Ridge	
LPDM	Pondosa	
APRM	Poppy Hill Road	
JPPM	Portola Park	LT3
LT3	Portola State Park	
PPO	Portuguese Canyon 2	
BPOM	Post Ranch	
POTR	Potrero Hills, Fairfield	
CB7	Poverty Ridge	
RDG13	Poverty Ridge 1, Station 3	
JPRM	Presidio of San Francisco	
PRI	Priest	
TSCN	Private Property, Shandon	
TRAM	Private Property, Shandon	
PSRC	Puddingstone Reservoir	
PYR	Pyramid	
QAL	Quail Lake	
QSM	Queen of Sheba Mine	
HQRH	Quien Sabe	QSR
AN13*	Quien Sabe	QSR
QSR	Quien Sabe Ranch	
O05C	Quincy	
KRKM	Rackout Springs	
MRFM	Railroad Flat South	
RAMR	Ramage Ranch	
V04C	Ramage Ranch, Paso Robles	
LCL	Rancho Los Cerritos	
GRNM	Rancho Navarro	
RPV	Rancho Palos Verdes	
ORAM	Rattlesnake Point	
RAY	Raywood Flat	
RMNB	Reason Mountain	
RCH	Reche Mountain	
RCP2	Recreation Park	
RCTC	Rector, Farmersville	
O02C	Red Bluff	
MRDM	Red Cones	
LRDM	Redding Peak	
KRMB	Red Mountain	
KRMM	Red Mountain	
MRCM	Red Rock Canyon	
JRRM	Redwood Retreat	
WRCM	Renegade Can. W	RCWM
RCWM	Renegade Canyon West	
RYS	Reyes Peak	
ARWM	Richard P. Wilkes	
RFSB	Richmond Field	
RSRB	Richmond-San Rafael Bridge	
ARRM	Rickey Ranch	
RMR	Rimrock	
RVM	Rio Vista Mine	
RVR	Riverside	
RSBC	Riverside Borehole	
RVS	Riverside Mountains	
PRCM	Roach Canyon	
ARJM	Robert W. Jensen	
RCCR	Rock Creek Canyon	
MRHM	Rocky Hill	
JRGM	Rodeo Gulch Road	
KRPM	Rodgers	
ROD	Rodman Mountain	
BRMM	Rolling Bench Mark	
RHC	Rose Hills Cemetery, Whittier	
RSE	Rose Pump	
RVCM	Rose Valley Central	
WRVM	Rose V. Central	RVCM
CRHM	Round Hill Res.	
GRMM	Round Mountain	
RMT	Round Mountain	
GROM	Round Mountain	
RDM	Round Mountain	
GRTM	Round Top Mountain	
RUBR	Rubicon Trail	
RGP	Ruby Glebe Property	
CRPM	Russellman Park	
CRPB	Russellman Park	
RUN	Ruthven	
SACC	Sacramento, California	
SBB	Saddle Back Butte	
SBKC	Saddleback Mountain	
SADC	Saddle Peak	
LSHM	Sage Hen Hill	
HSFM	Saint Francis Retreat	
NSHM	Saint Helena Road	
SJH	Saint Joseph Seminary	
JJOM	Saint Joseph's Hill	
SMCB	Saint Mary's College	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
AN12*	Salinas Radio	SRC
BSRM	Salinas Radio Site	
SRC	Salinas Radio Site	
SDLC	Saltdale	
SLTC	Salton Sea Test Base	
SWSC	Sam W. Stewart, Westmorland	
JSAM	San Andreas	SAC
SAC	San Andreas	
SAO	San Andreas Geological Observatory	
JSLM	San Andreas Lake	
LT9	San Andreas Lake	
PANM	San Antonio Reservoir	
PSAM	San Ardo	
BBNM	San Benito	SBT
SBT	San Benito	
SBVC	San Bernardino Valley	
JSBM	San Bruno Mountain	
SCI	San Clemente Island	
SCI2	San Clemente Island 2	
SNDC	Sand Canyon	
CSAM	Sandia	
SDC	San Diego	
SND	San Diego	
SDRC	San Diego Road Dept, El Cajon	
SFL	San Felipe	
HFEM	San Felipe	SFL
FRCO	San Francisco	
SFM	San Francisco	
SFB	San Francisco	
SFC	San Francisco	
S06C	San Francisco Camp Mather, Mather	
SFR	San Francisco--Rincon	
SJQ	San Joaquin Reservoir	
HBTM	San Juan Bautista	
AN3*	San Juan Grade	HJGM
HJGM	San Juan Grade	
CSLM	San Leandro Hills	
SCKWR	San Luis Creek Check 11 ,Merced County	
SLD	San Luis Dam	
HSLM	San Luis Dam	
SFJWR	San Luis Fatjo Ranch, Merced County	
BSM	San Miguel Island	
BSN	San Nicolas Island	
SNCC	San Nicolas Island	
SNC	San Nicolas Island	
SNS	San Onofre	
ZSP	San Pablo Dam	
CSPM	San Pablo Ridge	
SPH	San Pedro Hill	
CRAM	San Ramon	
SS2	San Sevaine	
SANC	Santa Ana	
SBC	Santa Barbara	
SBI	Santa Barbara Island	
CIW	Santa Catalina Island West	
STCC	Santa Clara	
SCL	Santa Clara	
SCCB	Santa Clara County Offices	
SCZ	Santa Cruz	
SCC	Santa Cruz	
HUG01	Santa Cruz, CA USA	
BSC	Santa Cruz Island	
SCZ2	Santa Cruz Island 2	
PMGM	Santa Margarita	
SME	Santa Rosa Mine	
SMO	Santa Rosa Mountain	
JSTM	Santa Teresa Hills	
SYP	Santa Ynez Peak	
SYS	San Ysidro	
SGC	Saratoga Golf Course	
SWM	Sawmill	
JSMM	Sawmill Road	
MAGC	SCE Magundon Plant	
SNR	Schaffner Ranch	
SCHCA	Scheelite	
PSRM	Scobie Ranch	
STTC	Scott Ranch	
SNT	Sears Point	
PSEM	See Canyon	
GSGM	Seigler Mountain	
SVD	Seven Oaks Dam	
TCHL	Shandon	
PSHM	Shandon	
SHS	Shasta Dam	
HSPM	Sheep	
SHH	Sheep Hole Mountains	
SWNG	Sheriff Wilson	
MSLM	Sherwin Lakes	
KSPM	Sherwood Peak	
SPM	Ship Mountains	
BSGM	Shirttail Gulch	SHG
SHG	Shirttail Gulch	
WSCM	Short Canyon	
SHOC	Shoshone, Tecopa	
SDW	Sidewinder Mine	
BSLM	Silva Ranch	
CSCM	Silver Creek	SVC
SVC	Silver Creek	
SIL	Silver Peak	
SI2	Simi Peak	
SMMC	Simmler	
GSSM	Skaggs Springs	SKG
SKG	Skaggs Springs	
ASMM	Slate Mountain	
KSMM	Slide Mountain	
ASRM	Slough House Road	
PSMM	Smith Mountain	
SRTC	Snort	
GSNM	Snow Mountain	
GSMM	Socrates Mine	
SOS	Soda Springs	
JSSM	Soda Springs	SOS
SLBC	Solana Beach	
BSMM	Soledad Mission	
BOOC	South Base Booster	
THIS	South End of Cholame Valley, Shandon	
SGV	South Grapevine Mountains	
LSLM	South Lassen	
WSHM	Spangler Hills	
SPG2	Springville 2	
SQK	Squaw Creek	
TIT	Squaw Tit	
LT4	Stanford	SFT
STAN	Stanford	
JSFM	Stanford	SFT
SFT	Stanford Telescope	
JSFB	Stanford Telescope, Santa Clara County	
MSTM	Stent	
STP	Stepladder Mountains	
JSCM	Stevens Creek	SEC
LT1	Stevens Creek	SEC
SEC	Stevens Creek	
OSTM	Stimpson Lane	
LT2	St Joseph	SJH
JSJM	St Joseph	SJH
SMNB	Stockdale Mountain	
PSTM	Stockdale Mountain	
BSCM	Stone Canyon	
SCYB	Stone Canyon	
STC	Stone Canyon Observatory	
SCY	Stone Canyon Reservoir	
PSNM	Stone Corral	
CSVM	Stone Valley	
SDP	Sudden Peak, Lompoc	
SMWM	Sugarloaf Mountain West	
SB4	Sulfur Bank	
CSU1	Sunol Dilatometer	
SSK	Sunset Peak	
SUP	Superstition Mountain	
SMTC	Superstition Mountain	
SUTB	Sutter Butte	
OSUM	Sutter Buttes	
BSBM	Swanson's Bluff	
OTBM	Table Mountain	
TMC	Table Mountain	
TF-CL	Taft	
TF-	Taft	TF-CL
TAHR	Tahoe	
PTAM	Tassajara Creek	
CTAM	Taylor	
NTYM	Taylor	
CTFL	Taylor Farm	
NTMM	Taylor Mountain	
TRC	Taylor Ranch	
PK3	Taylor Ranch	TRC
PTYM	Taylor Ranch	TRC
THC	Tehachapi Microwave	
TJR	Tejon Ranch	
TMB	Temblor Range Southeast	
CTHM	Terry Harris R'ch	
CTLM	Tesla Road	
KTRM	Thompson Ridge	
SATS	Thornton Park	
GTC	Three Chop Ridge	
THRC	Three Sisters	
LTIM	Timbered Crater	
TIN	Tinemaha, Big Pine	
TNK	Tinkers Knob	
TMO	Tin Mountain	
NTBM	Tomales Bay	
TOW	Tower One	
TPRS	Tripped Ranch	
TPO	Tropico Hills	
GTSM	Trough Springs	
JTGM	Trout Gulch Road	
MTUM	Tungsten Hills	
TCC	Turnbull Canyon	
TUQ	Turquoise Mountain, Baker	
TTM	Turtle Mountains	
LTCM	Tuscan Springs	
HTUM	Tustin Road	
TN-CL	Twentynine Palms	
TPC	Twentynine Palms	
TWL	Twin Lakes	
TWN	Twin Peaks	
PTRM	Twissleman Ranch	
UKI	Ukiah	
JUCM	University of California, Santa Cruz	
CMSB	University of California Stadium	
USC	University of Southern California	
VPDC	Valencia Peak Digital	
CVLM	Vallecito	
VOG	Valley Oaks Golf Course, Visalia	
AVRM	Valley Road Site	
GVV	Valley View	
OGOM	Van Goodin Ranch	
VARB	Varian Well	
VPK	Verdi Peak	
VES	Vestal, Richgrove	
CVAL	Veterans Administration Hospital	
VTV	Victorville	
VPD	Villa Park Dam	
VIN	Vineyard	
BVYM	Vineyard	
VCAB	Vineyard Canyon	
PVCM	Vineyard Canyon	
VIT	Vineyard--Telemeter	
VG2	Vista Grande	
WVPM	Volcano Peak E	VPEM
VPEM	Volcano Peak East	
CVPM	Vollmer Peak	
WWPM	Walker Pass	
WKC2	Walker Ridge	
WKC	Walker Ridge	
GWKM	Walker Ridge	

Code	Station Name	Other
WSP	Warm Springs	
WTT2	Watts, South Gate	
WENL	Wente Vineyards, Livermore	
PWMM	Westland Maintenance Station	
WML	Westmorland	
U05C	Westside ANR, Five Points	
WESC	Westside School	
WERC	Wheeler Ridge	
WH2	Whipple Mountains 2	
WDC	Whiskeytown Dam	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
WWR	Whitewater	
WLK	Wiest Lake	
WRC	Williams Ranch	
Q03C	Winters	
WIS	Wister	
GWRM	Wonder Ranch	
WDS	Woodside	
LT6	Woodside	WDS
JWSM	Woodside	WDS
WDY	Woody	
PWKM	Work Ranch	WKR
PK2	Work Ranch	WKR
WKR	Work Ranch	
NWRM	Wright Ranch	
OWAM	Wyandotte	OWYM
OWYM	Wyandotte	
YAQ	Yaqui Meadows	
YEG	Yeguas Mountain	
CYBM	Yerba Buena Island	
YBIB	Yerba Buena Island	
MYLM	Yosemite Lake	
YR-CL	Yreka	
YR-	Yreka	YR-CL
YBH	Yreka Blue Horn Mine, Yreka	
P05C	Yuba Gap, Truckee	
YUH	Yuha Desert	
NLNM		LOC
WMD		
NMCM		NMC
NFRM		FTR
NGVM		GVR
JSGM		SGC
NSPM		SNT
HQRM		QSR
JPSM		PSD
Caribbean Sea		
GTBY	Guantanamo Bay	
SDDR	Presa de Sabaneta	
Colorado		
S22A	4UR Ranch, Creede	
N27A	Anderson Farm, Haxtun	
R26A	Arlington	
Q25A	Bedland, Calhan	
O27A	Beecher Island, Eckley	
N21A	Black Mountain, Craig	
PV22	Blue Mesa, Paradox Valley	
BDC	Boulder	
BOU	Boulder	
BO1	Boulder	
T27A	Campo	
PV23	Carpenter Ridge	
N24A	Carr	
T23A	Casias Ranch, Antonito	
CECO	Cedaredge	
R21A	Cimarron	
S21A	Coal Bank Pass, Durango	
CMCO	Colorado Mnmt	
T26A	Comanche National Grassland Park, Kim	
PV21	Cone Mtn., Paradox Valley	
CGC	Craig	
Q22A	Crested Butte, Gunnison	
P19A	Cripple Cowboy Ranch, Baxter Pass	
PV11	David Mesa, Paradox Valley	
P26A	Davis Ranch, Arriba	
P20A	De Beque	
DEN	Denver	
DER	Derby	
S20A	Disappointment Valley, Cahone	
Q24A	Divide	
DR-	Durango	DR-CO
DR-CO	Durango	
DGC	Durango	
R27A	Eads	
P22A	Eagle	
EGC	Eagle	
PV17	East Wray Mesa	
T22A	Edith	
P27A	Ficken Ranch, Kirk	
R25A	Fountain Ranch, Boone	
FK-CO	Franktown	
FK-	Franktown	FK-CO
GACO	Gateway	
GOL	Golden	
GLD	Golden	
GJC	Grand Junction	
SDCO	Great Sand Dunes National Park	
N25A	Grover	
Q23A	Hartsel	
HDQ	Headquarters	
HLR	Highland Ranch	
O26A	Horse Wrangler Ranch, Akron	
S24A	Houchin Ranch, La Veta	
Q26A	Hugo	
ISCO	Idaho Springs	
P23A	Jefferson	
KSCO	Kaye Shedlock's, Cheyenne Wells	
S26A	Kim	
N26A	Koester Ranch, Padroni	
P24A	Kohler Place, Littleton	
O22A	Kremmling	
O23A	Lake Granby, Granby	
Q21A	Lamborn Mesa, Paonia	
S27A	Las Animas	
PV14	Lion Creek, Paradox Valley	
O24A	Longmont	
LSI02	Los Alamos Infrasonic Array Site 2	
HGTCO	Madrid Canyon Road, Trinidad	
MSCO	Mesa State College	
MVCO	Mesa Verde	
R23A	Moffat	
MRC	Montrose	
PV19	Morning Glory Mine	
P21A	Newcastle	
S23A	Nye Farm, Monte Vista	
PV16	Nyswonger Mesa	
OMCO	Orchard Mesa	
O21A	Pagoda	
PGS	Pagosa Springs	
PV15	Paradox Valley	
PV08	Paradox Valley	
PV06	Paradox Valley	
PV07	Paradox Valley	
PV02	Paradox Valley	
PV03	Paradox Valley	
PV01	Paradox Valley	
PV09	Paradox Valley	
PV04	Paradox Valley	
PV05	Paradox Valley	
PV10	Paradox Valley	
PMC	Poorman Mine	
PV13	Radium Mtn., Paradox Valley	
RGC	Rangely	
N23A	Red Feather Lakes	
R20A	Redvale	
Q20A	Ridgley Place, Grand Junction	
RW2	Ridgway	
RW6	Ridgway	
RW4	Ridgway	
RW5	Ridgway	
RW3	Ridgway	
RW1	Ridgway	
RBC	Rio Blanco	
S25A	Robets Cordova Ranch, Walsenberg	
R22A	Saguache, Gunnison	
R24A	Sanders Place, Florence	
T24B	San Luis	
PV12	Saucer Basin, Paradox Valley	
PV18	Skein Mesa, Paradox Valley	
SMCO	Snowmass	
SMC	Somerset	
SIG	South Ingalls	
N20A	Spence Gulch, Sunbeam	
MHTCO	State Highway 12, Trinidad	
T24A	Torres, Weston	
T25A	Trinidad	
TDC	Trinidad (USA)	
TJC	Trinidad (USA)	
T28A	Walsh	
WTC	Waterton	
N22A	Wattenberg Ranch, Walden	
PV20	West Nyswonger Mesa	
O20A	White River City	
O25A	Wiggins	
P25A	Willow Gulch Bison Ranch, Deer Trail	
Connecticut		
APT	Avery Point	
BPT	Bridgeport	
BCT	Brookfield	
BRYW	Bryant College	
CPL	Chaplin	
ECT	Ellsworth	
M63A	Gales Ferry	
HDM	Haddam	
M62A	Hamden	
HAR	Hartford	
KSCT	Kent School, Kent	
LSCT	Lakeside	
MD2	Moodus	
MD4	Moodus	
MD5	Moodus	
MD3	Moodus	
MD1	Moodus	
NHC	New Haven	
NSC	North Stonington	
L62A	Suffield	
TMT	Talcott Mountain	
UCCT	U. Connecticut	
UCT	University of Connecticut	
WSPT	Westport, CT	
YLE	Yale	
Delaware		
BVD	Bellevue State Park	
BBD	Blackbird State Forest	
BWD	Brandywine Creek State Park	
DEMA	Delaware Emergency Management Agency	
GTD	Georgetown	
P60A	Greenville	
GWDE	Greenwood	
Q61A	Milford	
NED	Newark	
SCOM	Sussex County Emergency Operations Center	
District of Columbia		
BED	Bald Eagle	
DTM	Carnegie Institution of Washington	
GEO	Georgetown	
PPHYL	Hylton High School	
WAS	Washington	
NRL	Washington--Naval Research Laboratory	
Florida		
058A	Arcadia	
059Z	Ave Maria	
BE-FL	Belleview	
BE-	Belleview	BE-FL
658A	Bunnell	
553A	Crawfordville	
450A	Crestview	
DWPF	Disney Wilderness Preserve, Florida	
EVE	Everglades	
GAI	Gainesville	
456A	Hilliard	
655A	Horseshoe Beach	
060A	Indiantown	
657A	Interlachen	
JAC	Jacksonville	
859A	Kempfer Cattle CO., St. Cloud	
556A	Lake Butler	
758A	Lake Helen	
552A	Lynn Haven	
062Z	Marathon	
452A	Marianna	
555A	McAlpin	
MIA	Miami	
059A	Moore Haven	
061Z	Ochoppi	
959A	Okeechobee	
557A	Orange Park	
OR-	Orlando	OR-FL
OR-FL	Orlando	
757A	Oxford	
449A	Pace	
PEN	Pensacola	
554A	Perry	
RIC	Richmond	
858A	St. Cloud	
451A	Vernon	
958A	Wauchula	
060Z	West Palm Beach	
WFF	Whiting Field	
656A	Willston	
957A	Wimauma	
457A	Yulee	
857A	Zephyrhills	
Georgia		
254A	Abbeville	
AMG	Americus	
253A	Americus	
ATL	Atlanta	
356A	Blackshear	
352A	Blakely	
Z55A	Blythe	
BBG	Brasstown Bald	
X51A	Calhoun	
353A	Camilla	
CDG	Carters Dam	
CMGA	Chestnut Mountain	
BEVG	Clark Hill Reservoir	
IVAG	Clark Hill Reservoir	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
LDVG	Clark Hill Reservoir	
X52A	Dahlonega	
DALG	Dalton	
ETG	Eatonton	
X53A	Estanollee	
153A	Fort Valley	
Z51A	Franklin	
256A	Glennville	
GOGA	Godfrey	
GMG	Grassy Mountain	
GBG	Greensboro	
255A	Hazlehurst	
155A	Kite	
LA-	Lafayette	LA-GA
LA-GA	Lafayette	
Y52A	Lilburn	
LKGA	Lookout Mountain	
252A	Lumpkin	
Y53A	Monroe	
Z53A	Monticello	
154A	Montrose	
355A	Pearson	
454A	Quitman	
RCG	Rock City	
REG	Rock Eagle	
Y51A	Rockmart	
TVGG	Rocky Mountain Net	
RMG	Rome (USA)	
257A	Skidaway Island, Savannah	
Z54A	Sparta	
455A	Stateville	
156A	Sylvania	
TIGA	Tifton	
Y54A	Tignall	
357A	Townsend	
WDG	Wallace Dam	
152A	Waverly Hall	
453A	Whigham	
Z52A	Williamson	
Hawaii		
AHA	Ahua	
AIN	Ainahou	
BAH	Barrette	
BYL	Byron's Ledge	
CPH	Captain Cook	
CPK	Cone Peak	
DAH	Dandelion	
DES	Desert	
DHH	Diamond Head	
ESR	Escape Road	
FEF	Fern Forest	
HLK	Haleakala	
HKL	Haleakala	
HATHI	Halema'uma'u Trail	
HPU	Hale Pohaku	
HBH	HawaiianBeaches	
HVO	Hawaiian Volcano	UWE
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
HIG	Hawaii Institute of Geophysics	
HW-IS	Hawaii Isl. Ar.	
HW-	Hawaii Isl. Ar.	HW-IS
HPAH	Hawaii Preparatory Academy	
HUL	Heiheiahulu	
HULD	Heiheiahulu Digital	
HLP	Hilina Pali	
HIL	Hilo	
HON	Honolulu	
HNL	Honolulu	
HPO	Honuapo	
HTC	Hot Caves	
HUH	Hualalai	
JCUZ	Jacuzzi	
KUH	Kaapuna	
KAE	Kaena	
KPH	Kaena Point	
KHLU	Kahalu'u	
KHU	Kahuku	
KHLH	Kahului Airport	
KKH	Kailua Kona	
KLCH	Kalalua Cone	
KPA	Kalaupapa	
KML	Kamuela	
KANH	Kanahau	
KIH	Kanekii	
KNHH	Kane Nui o Hamo	
KFH	Kaoiki Faults	
KLH	Kapapala Ranch	
KPO	Kapoho	
KLK	Kealakekua	
KEA	Kealakomo	
KKO	Keanaka@18ko'i	
KKU	Keanakolu	
KEKH	Kekaha	
KIP	Kipapa	
KNH	Kipuka Nene	
KOH	Kohala	
KNW	Konawaena	
LPH	Laupahoehoe	
LLAH	Lualailua	
M12	M12	
MHA	Mahukona	
MKA	Makaopuhi	
MAUI	Maui	
MKH	Mauna Kea	
MLH	Mauna Loa	
MLX	Mauna Loa 2	
MLOA	Mauna Loa Observatory	
MOK	Mokapu	
MVH	Mountain View	
NAA	Naalehu	
NGH	National Guard	
NBH	North Bay	
NPOC	North of Pu'u O'o Crater	
NPH	North Pit	
OA-IS	Oahu Island	
OA-	Oahu Island	OA-IS
OBL	Observatory Ledge	
OVEH	Oceanview Est	
OKAH	Ooka	
OPA	Opana	
OUT	Outlet	
PAH	Pahoa	
PFH	Pahoa Fire House	
PUH	Pauahi	
POHA	Pohakuloa	
POH	Pohoiki	
PWH	Poliokeawe Pali	
PUP	Pupakea	
PHO	Puu Honuaula	
PHH	Puu Huluhulu	
PKL	Puu Kaliu	
KMH	Puu Kamoamoa	
POK	Puuokali	
PPL	Puu Pili	
PLL	Puu Ulaula	
RSD	Rainshed	
RCO	Red Cone	
RIM	Rim	
SDHHI	Sand Hill	
SPT	South Point	
SWH	Southwest Rift	
STCH	Steam Cracks	
SBLHI	Steaming Bluff	
TRH	Trail	
UWB	Uwe@18kahuna Bluff	
UWE	Uwekahuna	
WHA	Wahaula	
WKH	Waikii	
WMR	Waimanalo Ridge	
WLG	Waldron Ledge	
WOB	Weather Observatory	
WPH	West Pit	
WRMHI	West Rim	
WHI	Whitney	
WIH	Wilkes Camp	
WOH	Wood Valley	
Idaho		
K15A	Arbon	
ARNI	Argonne North	
I12A	Atlanta	
AHID	Auburn Hatchery	
BCYI	Bear Canyon	
BEI	Bear River Range	
E12A	Beaver Dam Saddle, Pierce	
J10A	Berg Farm, Melba	
BHI	Bertha Hill	
BBI	Big Bend	
G12A	Big Creek, Yellow Pine	
GBI	Big Grassy Butte	
LRI	Big Lost River	
YPBB	Black Butte	
J15A	Blackfoot	
E11A	Bogner Ranch, Nez Perce	
BSE	Boise	
J16A	Bone	
BDID	Brownlee Dam	
BUI	Burke	
MFID	Camas Ranch	
J14A	Carey	
L11A	Cat Creek Ranch, Riddle	
CBTI	Cedar Butte	
CIB	Cedar Butte	
CMI	Centennial Mountain	
H13A	Challis	
CL-	Challis	CL-ID
CL-ID	Challis	
CRBI	Circular Butte	
G13A	Cobalt	
J13A	Cove Ranch, Picabo	
CHOI	Coyote Hollow	
COMI	Craters of Moon	
CPI	Crown Point	
CNCI	Crows Nest Canyon	
DEI	Dent	
H12A	Diamond D Ranch, Stanley	
H11A	Donnelly	
L13A	Double Diamond Ranch, Oakley	
DCID1	Drake Creek	
K12A	Draper Farm, Castleford	
DCI	Dry Creek	

Code	Station Name	Other
DPI	Dunn Peak	
ECR	Eagle Creek	
EMI	Eightmile Canyon	
EBI	Elk Butte	
F12A	Elk City	
ERI	Eureka Ridge	
L16A	Fish Haven	
GMI	Garnes Mountain	
GHI	Gilbert Hill	
GRAI	Grandview Point	
F11A	Grangeville	
GRCI	Grant Creek	
GRRI	Grays Lake	
GTRI	Great Rift	
HL-ID	Hailey	
HL-	Hailey	HL-ID
HL2ID	Hailey	
HLID	Hailey	
HL2	Hailey	HL2ID
A11A	Hall Mountain, Copeland	
HID	Hamer Butte	
HHI	Harmony Heights	
YPHR	Hebgen Ridge	
HHAI	Hells Half Acre	
YHB	Horse Butte	
L12A	House Creek Ranch, Rogerson	
HPI	Howe Peak	
HWSI	Howe Scarp	
IDA	Idaho Array	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IRCI	INEL Research	
ICI	Italian Canyon	
JECI	Jenson Cabin	
JSM	Jim Sage Mountain	
K14A	Jones Ranch, Declo	
L10A	Juniper Basin Ranch, Riddle	
JGI	Juniper Gulch	
KGI	Kellogg	
KCI	Kelly Canyon	
KBI	Kettle Butte	
D11A	Klaveano Farm, Fernwood	
H14A	Leadore	
LJI	Lemhi Junction	
LGM	Little Green Mountain	
LLRI	Little Lost River	
LVRI	Lost Valley Reservoir	
I14A	Mackay	
MCPI	Mackay Peak	
L15A	Malad City	
MLI	Malad Range	
L14A	Malta	
MAS	Mason Butte	
MBI	Menan Buttes	
YPMF	Mesa Falls	
I15A	Monteview	
MCID	Moose Creek	
MO-	Mountain Home	MO-ID
MO-ID	Mountain Home	
MUDI	Mud Lake	
MUL	Mullan	
NWR	Narrow River	
I16A	Newdale	
NPRI	New Reactor	
H10A	Noah's Angus Ranch, Cambridge	
NTI	Nordman	
NPI	North Pocatello Valley	
K11A	Parker Ranch, Bruneau	
PZCI	Patelzick Creek	
I10A	Payette	
PLID	Pearl Lake	
PINI	Pine Creek	
I11A	Placerville	
PTI	Pocatello Creek	
PCID	Pole Creek	
PQ-ID	Preston	
D12A	Red Ives Forest Station, Avery	
RRI2	Red Ridge	
RRI	Red Ridge	
REX	Rexburg	
RMI	Round Mountain	
SJID	Saint Joe	
B11A	Sandpoint	
SPVI	Shoe Peg Valley	
SMBI	Sixmile Butte	
SBID	Snowbank Mountain	
K16A	Soda Springs	
SPCI	Split Crater	
STID	Stanley	
STI	Star Valley	
J12A	Stokes Ranch, Hill City	
K13A	Stover Farm, Hazelton	
SURI	Summit Reservoir	
TMI	Taylor Mountain	
TCSI	Telchick Spring	
C11A	Tepee Creek (NFS), Magee	
TID	Three Point Mountain	
TYI	Trinity Mountain	
YPTS	Trude Siding	
WAL	Wallace	
G11A	Walters Elk Ranch, Riggins	
WBI	Whiskey Butte	
I13A	Wildhorse Creek, Mackay	
WICI	Willow Creek	
WPI	Wilson Peak	
Illinois		
P41A	Barry, Barry	
O42A	Bath	
BPIL	Belle Prairie	
BVIL	Belleville	
S44A	Carbondale	
S45A	Carrier Mills	
CIRL	Cave In Rock	
CGI	Chicago	
CHK	Chicago	
CHI	Chicago-Loyola	
CSIL	Creal Springs	
DAIL	Da Vinci Academy	
DEK	Dekalb	
ELC	Elco	
L43A	Garden Prairie	
Q42A	Golden Eagle	
P45A	Graceland, Paris	
N41A	Harden Midland Farm, Stronghurst	
HDIL	Hopedale	
JCMO	Jefferson College	
L44A	Lake County Forest Preserve, Grayslake	
O44A	Mansfield	
MCIL	McClure	
Q44A	Meyer Farm, Vandalia	
M44A	Midewin, Midewin Nat. Tallgrass Prairie	
M41A	Milan	
Q43A	New Douglas	
NHIL	New Haven	
L42A	Oliver, Polo	
O41A	Passleys Farm, La Prairie	
N44A	Piper City	
PW-IL	Pontiac	
PW-	Pontiac	PW-IL
O45A	Potomac	
R43A	Red Bud	
GOIL	Rosebud	
SMV	Samsville	
P44A	Sand Creek, Windsor	
M42A	Sheffield	
P43A	Skaggs, Pawnee	
R45A	Skylar, Fairfield	
EDIL	So. Illinois U.	
SIUC	Southern Illinois University	
SCMO	St. Charles CC	
N43A	Stutzman Family Farm, Minonk	
O43A	Sugar Creek Farm, Atlanta	
WVIL	Wabash College	
M43A	Waltham Township, Utica	
R44A	Waltonville	
Q45A	Warren Harvey, Newton	
WQ-IL	Watseka	
WCIL	Waubonsee CC	
WSIL	West Salem	
P42A	Winchester	
N42A	Yates City	
Indiana		
Q49A	Aurora	
Q47A	Bedord North Lawrence Stars, Bedford	
BLO	Bloomington	
M45A	Boilermakers Shaker, Crown Point	
Q46A	CEJHS Indians, Carlisle	
M47A	Cromwell	
N48A	Decatur	
O48A	Farmland	
R46A	Gibon Southern Titans, Haubstabt	
IN1	Indiana Array	
IN4	Indiana Array	
IN3	Indiana Array	
IN2	Indiana Array	
ISU	Indiana State University	
N45A	Kentland	
SFIN	Lafayette	
P47A	Martinsville	
P48A	Milroy	
N46A	Monticello	
R48A	Northridge Ranch, Floyd Knobs	
Q48A	North Vernon	
M46A	Old House Field, Plymouth	
P46A	Rosedale	
O47A	Sheridan	
SHIN	Springhill	
SPIN	Swan Pond Ditch	
THI	Terre Haute	
USIN	University of Southern Indiana	
N47A	Urbana	
WDIN	Wadesville	
R47A	Wooly Knot Farm, English	
WCI	Wyandotte Cave	
Iowa		
L40A	Anamosa	
K37A	Belmond	
L35A	Bielow Farm, Ricketts	
BY-IO	Bloomfield	
K40A	Colesburg	
J39A	Decorah	
N39A	Derby Farms, Drakesville	
DMI	Des Moines	
DBQ	Dubuque	
M36A	Felix, Anita	
J34A	George	
K36A	Gilmore City	
L36A	Harm Buss Farm, Glidden	
N38A	Joes South Fork Station, Corydon	
N37A	Lee Faris, Mount Ayr	
K34A	Le Mars	
N40A	Mertquake, Salem	
J35A	Milford	
N36A	Muff Farm, Clarinda	
M35A	Neola	
L38A	Oak Wood Farm, Albion	
K39A	Oelwein	
K38A	Parkersburg	
L37A	Phoenix Point, Boone	
M38A	Pleasantville	
M40A	Post Highland Seismo, Ainsworth	
L41A	Preston	
J37A	Redenius Farm, Forest	
J36A	Seneca 1, Swea City	
SCIA	State Center	
K35A	Storm Lake	
N35A	Tabor	
M37A	Trindle Farm, Earlham	
L39A	Vinton	
VO-	Vinton	VO-IO
VO-IO	Vinton	
M39A	Webster	
J38A	Wedel Dairy, Riceville	
Kansas		
Q36A	Arnold C. Orvedal, Lecompton	
P29A	Atwood	
BEK	Belvue	
T36A	Boggs Farm, Caney	
R31A	Burdett	
CBKS	Cedar Bluff	
Q34A	Chapman	
T37A	Cheneyville 1850, Columbus	
CNK	Concordia	
Q33A	Connelly Farm, Tescott	
R30A	Dighton	
P35A	Duane Minner, Soldier	
EDK	El Dorado	
Q31A	Ellis	
EM-KA	Emporia	
EMK	Emporia	
EM-	Emporia	EM-KA
R35A	Emporia Municipal Airport, Emporia	
S37A	Fort Scott	
P36A	Good Intent, Atchison	
R36A	Gordon, Harris	
HWK	Hiawatha	
T32A	Huddler Ranch, Lake City	
T29A	Hugoton	
P32A	Huiting Farm, Downs	
R34A	Isabella, Hillsboro	
KSU1	Kansas State University--Konza Prairie	
S33A	Kaszmaul Farm, Murdock	
S36A	Lake Cedric, Chanute	
LAK	Lawrence	
LAW	Lawrence	
R32A	Long Quarter, Great Bend	
MHK	Manhattan	
MHT	Manhattan	
S28A	Manter	
R29A	Marienthal	
T34A	McClaskey Farms, Geuda Springs	
Q32A	Meitler Ranch, Lucas	
Q35A	Mercer Eighty, Eskridge	
MLK	Milford Reservoir	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
NNK	Norton	
Q29A	Oakley	
OBK	Oberlin	
R33A	Olander Ranch, Little River	
S35A	Otter Creek Ranch, Eureka	
T33A	Patterson Ranch, Waldron	
T30A	Plains	
Q30A	Quinter	
T31A	Randall Ranch, Ashland	
P28A	Saint Francis	
SNK	Salina	
P30A	Selden	
Q28A	Sharon Springs	
P31A	Stockton	
R37A	Teagarden Farms, La Cygne	
R28A	Tribune	
TCK	Tuttle Creek Reservoir	
S29A	Ulysses	
P34A	Walnut Farm, Randolph	
S48A	Wiedeman Farm, Cecilia	
P33A	Williams Farm, Concordia	
S34A	Willow Spring Farm, Andover	
Kentucky		
S51A	Beattyville	
BETH	Bethel	
BGKY	Bowling Green	
T48A	Bowling Green	
BHKY	Bowman Hall	
R52A	Catlettsburg	
CRU	Crutchfield	
S46A	Don Dixon Farm, Corydon	
DY-KY	Dry Ridge	
DY-	Dry Ridge	DY-KY
T49A	Edmonton	
FLKY	Flemingsburg	
SLKY	Flemingsburg	FLKY
FDKY	Freedom	
FMKY	Fulgham	
T51A	Gray	
HAKY	Hadley Quad	
T52A	Hallie	
S47A	Hartford	
HICK	Hickman	
R51A	Hillsboro	
LLKY	Land-Between-the-Lakes	
LEK	Lexington	
LGKY	Lock 6	L6KY
L6KY	Lock 6	
LOKY	Lockhart	
MOKY	Morganfield	
T50A	Nancy	
T45A	Paducah	
PAKY	Paducah	
R50A	Paris	
PKKY	Potato Knob	
T46A	Princeton	
REKY	Reed	
S50A	Richmond	
ROKY	Rotten Point	
RS-KY	Russell Springs	
RS-	Russell Springs	RS-KY
SMKY	Sacramento	
S52A	Salyersville	
T47A	Sharon Grove	
R49A	Shelbyville	
SOKY	Sonora	
S49A	Springfield	
SSKY	Summer Shade	
WCK	Wilson Creek	
Kodiak Island		
OHAK	Old Harbor	
Louisiana		
445A	Amite	
140A	Cam and Jess, Hughton	
645A	Chauvin	
443A	Delano Plantation, Melville	
441A	DeRidder	
545A	Edgard	
342A	Flagon Creek	
	Properties, Pineville	
242A	Grayson	
240A	Hunter Patterson, Mansfield	
JE-LA	Jena	
JE-	Jena (USA)	JE-LA
341A	Kurthwood	
541A	Lake Charles	
LV-LA	Liddieville	
LV-	Liddieville	LV-LA
442A	Mamou	
142A	Monroe	
542A	Morse	
241A	Mo Tay, Goldonna	
NOL	New Orleans	
141A	Papa Simpson, Farm, Arcadia	
LSU5	Parcperdue Array	
LSU2	Parcperdue Array	
LSU1	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
444A	Pine Grove	
646A	Port Sulphur	
546A	Slidell	
143A	Socs Landing, Pioneer	
543A	St. Martinville	
343A	Vidalia	
243A	Waterproof	
544A	White Castle	
Maine		
AGM	Allagash	
D62A	Allapoint, Allagash	
AG-	Augusta	AG-ME
AG-ME	Augusta	
BG-	Bangor	BG-ME
BG-ME	Bangor	
I64A	Boothbay	
E64A	Bridgewater	
BPM	Bucksport	
CBM	Caribou	
E62A	Clayton Lake	
PQ0	Cooper Hill	
D2A	Dickey	
D6A	Dickey	
D5A	Dickey	
D1A	Dickey	
D3A	Dickey	
D4A	Dickey	
H65A	Eastbrook	
EMMW	East Machias	
EMM	East Machias	
EMMT	East Machias	
PQ1	East Ridge	
HKM	Hinckley	
HN-	Houlton	HN-ME
HN-ME	Houlton	
HNME	Houlton	
JKM	Jackman	
G63A	Kingsbury	
G64A	Maxfield	
MIM	Milo	
F63A	Nahmakanta, Browneville	
H63A	New Sharon	
ORNO	Orono	
I63A	Otisfield	
E63A	Oxbow	
PKME	Peaks-Kenny Pk	
F62A	Pittston Farm, Pittston Academy Grant	
POR	Portland	
PQI	Presque Isle	
G65A	Princeton	
F64A	Sherman	
D63A	Stockholm	
H64A	Troy	
TRM	Turner	
WVL	Waterville	
WTR	Waterville	
G62A	West of Eustis	
H66A	Whiting	
Maryland		
BALH	Baltimore	
NHB	Bethesda--National Naval Medical Center	
CLH	Cheltenham	
ER304	Early Rise 304	
ECM	Ellicott City	
GS-MD	Grantsville	
GS-	Grantsville	GS-MD
Q60A	Greensboro	
Q59A	Harwood	
P59A	Jarrettsville	
R60A	Leonardtown, MD	
NLM	Maryland--Naval Ordinance Lab	
P58A	Pank, Wackersville	
SDMD	Soldier's Delight Natural Environment Area	
VIL	Villa Mercy	
WSC	Washington Science Center	
R61A	Willards	
WOO	Woodstock	
Massachusetts		
HRV	Adam Dziewonski Observatory (Oak Ridge)	
QUA2	Belchertown	
BCX	Boston College	
M65A	Busby, Falmouth	
CAM	Cambridge	
L65A	Cape Cod National Seashore	
DUX	Duxbury	
DXB	Duxbury	
FLR	Fall River	
GLO	Gloucester	
LNX	Lenox	
L64A	Middleborough	
NMA	Nantucket	
M66A	Nantucket	
L61B	Northampton	
QUA	Quabbin	
K62A	Royalston	
COD	South Dennis	
WGMA	Westboro	
WFM	Westford	
WES	Weston	
K61A	Williamstown	
WLL	Williamstown	
WOR	Worcester	

Michigan
ACM Allegan
AAM Ann Arbor
H45A Beulah
F44A Big Bay de Noc Black Bears, Cooks
J48A Bridge Port
K50A Casco
MTPM Central Michigan University
E42A Champion
D41A Chassel
K49A Clarkson
F45A CMU Biological Station, Beaver Island
K46A Dorr
LNSM East Lansing
ED- Edgewood ED-MI
ED-MI Edgewood
L46A Eue Claire
H46A Fife Lake
F43A Flat Rock, Escanaba
I45A Fountain
I47A Gladwin
E44A Grand Marais Airport, Grand Marais
GLMI Grayling
H48A Harrisville
G47A Hillman
J46A Howard City
C40A Isle Royale National Park
KZM Kalamazoo
E41A Kenton
E43A Lone Tree Farm, Eben Junction
F46A Macinaw City Comets, Mackinaw City
J49A Marlette
L49A Milan
H47A Mio
J45A Montague
L48A N Adams
K48A Perry
G46A Petoskey
PF- Pickford PF-MI
PF-MI Pickford
I49A Point Hope
I46A Reed City
E46A Sault Ste Marie
I48A Sherman Twp
L47A Sherwood
SUG Sugar Island
J47A Sunmer
G45A Suttons Bay
TT-MI Trout Lake
TT- Trout Lake TT-MI
AAMC University of Michigan
K47A Vermontville
E40A Wakefield
G43A Wallace
WPM White Pine
E45A Wooded Hills, Hulbert
Minnesota
F33A 5 Mile Ranch, Herman
B34A Aery, Baudette
AGMN Agassiz National Wildlife Refuge
F34A Alexandria
D33A AnnSam, Waubun
B32A Ashes, Strandquist
BEM Bemidji
G34A Benson
B35A Bob, Littlefork
CM1 Central Minnesota Array
CM2 Central Minnesota Array
CM4 Central Minnesota Array
CM5 Central Minnesota Array
CM6 Central Minnesota Array
CM3 Central Minnesota Array
D37A Cotton
I35A Creekview Farms, Bingham Lake
C32A Crookston
H37A Dierke Farm, Cannon Falls
DUL Duluth
EYMN Ely
C37A Embarrass
I36A Fitzsimmons Farm, Good Thunder
GY-MN Gaylord
GY- Gaylord GY-MN
D36A Goodland
C39A Grand Marais
GP- Grand Rapids GP-MN
GP-MN Grand Rapids
I34A Hadley
HT- Hastings HT-MN
HT-MN Hastings
I39A Houston
JA- Jasper JA-MN
JA-MN Jasper
H36A Jessenland, Henderson
C35A Jirik Farms, Max
JO-MN Jordan
JO- Jordan JO-MN
I37A Lemond, Waseca
A31A Linda, St. Vincent
SPMN Marine on St. Croix
E36A McGregor
F36A Milaca
MNN Minneapolis
MFM Minneapolis
MNM Minneapolis
NB-MN North Branch
NB- North Branch NB-MN
G33A Ortonville
D34A Park Rapids
E35A Pequot Lakes
C36A Pine Crest Farm, Angora
PP- Pipestone PP-MN
PP-MN Pipestone
D35A Remer
C34A RKJ Ranch, Bemidji
B33A Robert and Kassanda Mosher, Grygla
A32A Rocking H Ranch, Lancaster
C38A Sawbill Land. Superior Nat. Forest USFS
I38A Scanlan Farm, Eyota
SE-MN Sleepy Eye
SE- Sleepy Eye SE-MN
H34A Spellman Lake, Hanley Falls
G36A St. Michael
H35A Sunnyside Ranch, Fairfax
F35A Swanville
TY-MN Tracy
TY- Tracy TY-MN
C33A Trail
E34A Wadena
A33A Warroad
G35A Watkins
E33A Westby DABS, Erhard
WD- Windom WD-MN
WD-MN Windom
E37A Wrenshall
WF-MN Wykoff
WF- Wykoff WF-MN
Mississippi
144A Alexander Place, Bentonia
244A Avery, Jackson
346A Big Creek Wildlife, Hattiesburg
X46A Booneville
X44A Crenshaw
GH-MS Greenville
Y46A Houston
145A Houston Renfrow, Canton
246A Jackson Lee, Bay Springs
LL-MS Laurel
LL- Laurel LL-MS
245A Little AP, Star
Z46A Louisville
LD2MS Lucedale
LD-MS Lucedale
LD3MS Lucedale
LD- Lucedale LD-MS
447A Lucedale
LU-MS Lumberton
Y43A Makayla and Karen, Gunnison
MB-MS McComb
MB- McComb MB-MS
OXF Oxford
Z44A Pea Ridge, Belzoni
PC- Picayune PC-MS
PC-MS Picayune
PGM Pleasant Grove
446A Poplarville
PU- Purvis PU-MS
PU-MS Purvis
247A Quitman
RI-MS Richton
347A Saraland
Y44A Strider, Charleston
TQ-MS Tatum Dome
345A Thompson Farm, Foxworth
X45A UM Field Station, Abbeville
146A Union
VBMS Vicksburg
344A Westbrook Farm, Meadville
Z45A Winona
Y45A Yeager Farm, Coffeeville
Missouri
T44A Benton
BRNM Bernie
BRM Bernie
BRR Berryman
BETM Bethany
O36A Bolckow
S39A Bolivar
BRGM Braggadocio
S42A Caledonia
CGM Cape Girardeau
CCM Cathedral Cave
CATM Catron
CHNM Channel
CHRM Charleston
COKM Charter Oak
R39A Chumby, Stover
T39A Clever
Q38A Cooks Store, Concordia
CWPT Cottonwood Point
CCMO Creve Coeur
CBD Cypress Bend
P38A Dawn
DMV Demmitville
T38A Diamond
DWDM Dogwood
DWM Dogwood
DON Dongola
EPRM East Prairie
ECD Elk Chute Ditch
EN-MO Ellsinore
EN- Ellsinore EN-MO
STIL E St Louis HE Ctr
R38A Fenwick Farm, Montrose
FRM Flat River
FLO Florissant
FVM French Village
S43A Fulton Ridge, Patton
O38A Galt
CBMO Girardeau Bridge
GLST Glass
GNAR Gosnell
GSAR Gosnell High Sch.
GRV Greenville
T43A Greenville
GUAMO Guam
HAWT Hathaway
HATI Hayti
HENM Henderson Mound
S41A Jillco Farms, Salem
KC- Kansas City KC-MO
KC-MO Kansas City
KEWM Kewanee
O39A Kirksville
O40A La Belle
P37A Lathrop
Q40A Laux Farm, Auxvasse
S40A Lebanon
LPAR Lepanto
LDMO Linda
LST Lone Star
Q37A Longview Farm, Lees Summit
R42A Luebbering
R40A Maddies Station, St. Elizabeth
MLDM Malden
MLD Malden
T40A Mansfield
MARMO Marston
MVMO Maryville College
MATM Matthews
MGMO Mountain Grove
T41A Mountain View
NMM New Madrid
NMD New Madrid
NMMO New Madrid
NMEM New Madrid Sch
NRMS Noranda
P40A Paris
PARMO Parma
MMM Pea Ridge Mine
PEBM Pemiscott Bayou
PENMO Penman
PPLM Point Pleasant
PBMO Poplar Bluff
POBM Portage Bay
PGVM Portageville
PTG Portageville
PVMO Portageville
U44A Portageville
RSCM Risco
RELT Roellen
ROL Rolla
RMB Rombauer
R41A Rosebud
SJMO Saint John's Bayou
SLM Saint Louis
P39B Salisbury
P39A Salisbury
S38A Stockton
TOPM Tallapoosa
TPMO Tallapoosa
Q41A Truxton
TYS Tyson Valley
T42A Van Buren
WADM Wardell
WALK Watson Lake
Q39A Willow Grove Farm, Nelson
O37A Wolven Farm, McFall
Montana
F21A Absaloka Mine, Hardin
ALMT Alberton, Montana
G24A Alzada
AMM Anaconda
AN- Angela AN-MA
AN-MA Angela
E24A Baker
BGMT Barton Gulch
BCM Basin Creek
BSMT Bassoo Peak
B18A Beardsley Farm, Havre
A21A Bergtoll Ranch, Theony
G23A Biddle
BBM Big Bend
BCB Big Creek Baldy
BFM Bigfork
BHMT Big Hole Peak
F18A Big Timber
F20A Billings
BS-MA Billings
G22A Birney
BLK Black Butte
BPMT Black Pine Ridge
BLMT Blacktail Mountain
BZE Bozeman
BZM Bozeman
BZMT Bozeman Pass
BOZ Bozeman (W)
B15A Bradely Ranch, Valier
G20A Bridger
B19A Brinkman Farms, Chinook
B23A Brockton
F15A Butte
BUT Butte
CLX Calx Mountain
A22A Carney Farms, Richland
CHMT Chamberlain Mountain
CRMT Chrome Mountain
CMT Clancy
CCMT Clark Canyon Reservoir
CFM Cliffside
E14A Clinton
A20A Cobblestone Ranch, Loring
D22A Cohagen
CKM Coopers Lake
D19A Cripps Ranch, Grass Range
DGMT Dagmar
DMMT Dalton Mountain
D16A Dana Ranch, Cascade
F13A Darby
E15A Deer Lodge
DPM Delmo Park
YPDC Denny Creek
C21A Desert Coulee Ranch, Glasgow
G15A Dillon
DI- Dillon DI-MA
DLMT Dillon
DI-MA Dillon
A14A Double T Ranch, Babb
EGMT Eagleton
QLMT Earthquake Lake
E16A East Helena
ERMT East Ridge
F24A Ekalaka
ELMT Elliston
B21A Ellsworth Farm, Hinsdale
FBMT Ferry Basin
F17A Fitzpatrick Place, Clyde Park
A13A Flathead National Forest, Polebridge
FR- Forsyth FR-MA
FR-MA Forsyth
C16A Fuhringer Ranch, Dutton
D24A Glendive
GI- Glendive GI-MA
GI-MA Glendive
GBM Granite Butte
GCR Grayling Creek
D14A Greenough
GCMT Greycliff
HH-ND Hannah
HH- Hannah HH-ND
E18A Harlowton
HV- Havre HV-MA
HV-MA Havre
YHL Hebgen Lake
HLM Helmville
HRF Holter Research Foundation--Helena
HRY Holter Research Foundation--York Bridge
C13A Hot Springs
HHM Hungry Horse
D13A Huson
HY- Hysham HY-MA
HY-MA Hysham
E23A Ismay
G14A Jackson
JTMT Jette
A15A Johnson Ranch, Cut Bank
E21A Keefer Ranch, Vananda
F16A Kennard Place, Willow Creek
A19A Klindworth Farms, Hogeland
D21A La Casta Ranch, Jordon
LHM Lake Helena
C23A Lambert
LASA Lasa Array LAO
LA0 Lasa Array LAO
LAO LASA Array
LB2 LASA B Ring
LB1 LASA B Ring
LB3 LASA B Ring
LB4 LASA B Ring
LC2 LASA C Ring
LC1 LASA C Ring
LC3 LASA C Ring
LC4 LASA C Ring
LD3 LASA D Ring
LD4 LASA D Ring
LD2 LASA D Ring
LD1 LASA D Ring
LE1 LASA E Ring
LE3 LASA E Ring
LE2 LASA E Ring
LE4 LASA E Ring
LF2 LASA F Ring
LF4 LASA F Ring
LF3 LASA F Ring
LF1 LASA F Ring
G18A Lazy EL Ranch, Roscoe
LCCM Lewis and Clark Caverns
LN-MA Lewistown
B17A L&G Farms, Chester
B12A Libby
LDM Libby Dam
H15A Lima
LRM Limekiln Ridge
D15A Lincoln
D23A Lindsay
D18A Linhart Farms, Moccasin
LBM Little Butte
LHD Little Hoodo Mountain
LTMT Little Table Mountain
G21A Lodge Grass
LFM Lubrecht Forest
LYMT Lyon Mountain
D20A Manuel Ranch, Winnett
B14A Marquette Ranch, East Glacier
E17A Martinsdale
MCMT McKenzie Canyon
A18A Metzger Ranch, Havre
E20A Meyer Farm, Musselshell
E22A Miles City
MKMT Mink Peak
MSMT Mission Creek
MSO Missoula
B16A M & M Farms, Shelby
MOMT Monida
G16A Moss Hill, Ennis
BEMT Mount Belmont
MEMT Mount Ellis
HBMT Mount Humbug
C12B Naegeli Ranch, Trout Creek
NCM Ninemile Creek
NDMT Ninemile Divide
OVMT Ovando
G17A Pierce Place, Pray
PNK Pinkham Creek
PCMT Pistol Creek
E19A Rath Farm, Roundup
B22A Reddig Ranch South, Frazer
YPRL Red Lodge
RLMT Red Lodge
A23A Redstone
RFM Reservoir Flats
RXF Rexford
F22A Rosebud
F19A Roth Farm, Molt
H16A Russell Place, West Yellowstone
C15A Salmond Ranch, Choteau
C24A Savage
SLMT Seeley Lake
SGM Silver Gate
D17A Six Diamond Ranch, Ranyesford
SXM Sixmile
C19A Slack Wire Ranch, Winifred
B20A Solberg Farm, Malta
STMT Stillwater Mine
-A0MA Subarray A0 LASA
SVMT Summit Valley
SWP Swamp Creek
C14A Swan Lake
SWMT Swartz Lake
SW- Sweetgrass SW-MA
SW-MA Sweetgrass
TEE Teeples Ranch
TPMT Tepee Creek
A17A Triple J Farms, Joplin
C12A Trout Creek
C20A Veseth Ranch, Zortman

Code	Station Name	Other
E13A	Victor	
VCMT	Victor	
C22A	Vida	
F23A	Volborg	
WCM	Warland Creek	
YPWB	West Boundary	
A16A	West Butte Ranch, Sweetgrass	
YWY	West Yellowstone	
C17A	Wharram Farm, Highwood	
B13A	Whitefish	
WHM	Wild Horse Parks	
F14A	Wisdom	
YKM	Yaak	
A12A	Yaak River Ranch, Troy	
YBMT	Yellow Bay	
YNE	Yellowstone Northeast Entrance	
YCM	YMCA Camp	
Nebraska		
O29A	4D Ranch, Culbertson	
AI-NB	Alliance	
AI-	Alliance	AI-NB
M34A	Aspy Farms, Fremont	
ABN	Auburn	
N31A	Bailey Ranch, Gibbon	
M28A	Bar X Bar Ranch, Keystone	
K30A	Basset	
O34A	Beatrice	
BENE	Beatrice	
BGNE	Belgrade	
O32A	Brockman Farm, Red Cloud	
M29A	Burnside Ranch, Stapleton	
L31A	Butterfield Farm, Chambers	
CCNE	Clay Center	
CZ-	Cody	CZ-NB
CZ-NB	Cody	
CUN	Columbus	
L28A	Connealy Angus Ranch, Whitman	
CR2NB	Crete	
CR-NB	Crete	
CTN	Crete	
CR-	Crete	CR-NB
M30A	Dale-Ortello Valley, Anselmo	
DTN	Dwight	
L32A	Elgin	
L25A	Engebretsen Ranch, Morrill	
K27A	Flueckinger Farm, Gordon	
GO-NB	Gordon	
GO-	Gordon	GO-NB
GAN	Gretna	
K33A	Hardington	
HS-	Hay Springs	HS-NB
HS-NB	Hay Springs	
O33A	Hebron	
HMN	Homestead National Monument	
L33A	Hoskins	
N30A	Hueftle Ranch, Cozad	
O35A	Humboldt	
INDN	Indianola	
N33A	J Bar K, Exeter	
JHN	Johnson	
O28A	Krutsinger Ranch, Parks	
M31A	Lambtecht Ranch, Loup City	
K29A	Lazy Trails Angus Ranch, Wood Lake	
LCN	Lincoln	
LIN	Lincoln	
N34A	Lincoln	
LCNC	Loup City	
LCNE	Loup City	
K25A	Mack Ranch, Harrison	
L29A	Maesberg Ranch, Thedford	
M26A	McRoberts Ranch, Bridgeport	
MKN	Medicine Creek Dam	
MH-	Mitchell	MH-NB
MH-NB	Mitchell	
K26A	Motz Farm, Whitney	
O30A	MW Ranch, Wilsonville	
NR-	Niobrara River	NR-NB
NR-NB	Niobrara River	
OGNE	Ogallala	
K31A	O'Neill	
PCNE	Platte Center	
N28A	Pribbeno Ranch, Imperial	
M27A	Reverse DX Ranch, Oshkosh	
L30A	Spencer Herefords Ranch, Brewster	
SGN	Springfield	
N32A	Stulken Farm, Doniphan	
L34A	Svendsen Farm, Lyons	
L27A	T5 Ranch, Ellsworth	
M33A	Taylor Creek Farms, Clarkson	
K28A	Ten Mile Ranch, Cody	
L26A	Underwood Farm, Alliance	
K32A	Verdigre	
N29A	Votaw Ranch, Wellfleet	
WHNE	Wahoo	
WNN	Wann	
O31A	Woolen Ranch, Alma	
Nevada		
BUK	413	
LWN	416	
ALA	Alamo	
AMDNV	Amargosa	
ANCR	Anchorite	
APK	Angel's Peak	
APKW	Angels Peak	
U10A	Ash Meadows, Armagosa	
APNR	Astor Pass	
P09A	Austin	
AT-NV	Austin	
AT-	Austin	AT-NV
BRO	Bare Mountain	
BMN	Battle Mountain	
BEA	Beatty	BTY
BTY	Beatty	
BLM*	Bell Mountain	
BLT	Belted Range	
BGB	Big Butte	
BGN	Big Creek	
BIS	Bismark Peak	
BMT*	Black Mountain	
BMTN	Black Mountain	
TVH2	Borealis Mine area, Hawthorne	
BCN	Boulder City	
BNPN	Boundary Peak	
BONR	Boundary Peak	
BOX	Box Canyon	
BYX	Boyer Ranch	
BFC	Buffalo Canyon	
N06A	Buffalo Meadows, Empire	
CTS	Cactus Peak	
CDH1	Calico Hills	
CDH5	Calico Hills	
CQ-NV	Caliente	
W12A	Cal Nev Ari	
CANR	Candelaria	
Q09A	Carvers	
NYC	Charley	
P11A	Circle Ranch, Eureka	
Q10A	Clear Creek Ranch, Tonopah	
NYM	Climax Mine	
N12A	Clover Valley, Wells	
COLR	Columbus	
U11A	Corn Creek	
T11A	Corn Creek, Alamo	
O10A	Cortez Mining, Crescent City	
COTR	Cottonwood	
O11A	Cowboy Ranch, Jiggs	
CPX	CP-1	
CPY	CP-1	
CPN	CP-17	
CMN	Crown Mine	
CND	Currant	
CU-NV	Currant	
CU-	Currant	CU-NV
O12A	Currie	
S12A	Delamar Landing Field, Caliente	
DLM	Delamar Mountains	
DIXR	Dixie Hot Springs	
P08A	Dixie Valley	
DSM	Dog Skin Mountain	
Q11A	Duckwater	
N10A	Dunphy	
TVH3	East Aurora area, Hawthorne	
EPR	East Pahranagat Range	
ESTR	Eastside	
EHN	Echo Peak	
EPM	Echo Peak	
EMN	Eldorado Mountains	
EKO	Elko	
ELK	Elko	
N11A	Elko Archery Club, Elko	
EY-	Ely	EY-NV
EY2	Ely	EY2NV
EY-NV	Ely	
EY2NV	Ely	
ELY	Ely	
ETS	Engine Test Stand	
P10A	Eureka	
EK-NV	Eureka	
EUR	Eureka	
EK-	Eureka (L)	EK-NV
EXC	Excelsior	
FPN1	Fairview Park	
FPN	Fairview Peak	
P07A	Fallon	
FA-NV	Faultless	
FERR	Ferguson	
O09A	Fish Creek Ranch, Battle Mountain	
FLV	Fish Lake Valley	
O06A	Flanigan	
Q08A	Gabbs	
GAB	Gabbs	
GNO	Genoa	
N07A	Gerlach	
N07B	Gerlach	
N08A	GE Springer Mine, Mill City	
GBT	Gilbert	
GILR	Gillis	
GF-NV	Goldfield	
S09A	Goldfield	
GF-	Goldfield	GF-NV
GMN	Gold Mountain	
V11A	Goodsprings	
GLR	Groom Lake Road	
GMR	Groom Range	
ZOX	Ground Zero	GZN
GZN	Ground Zero	
GRX	Grover	
M08A	Happy Creek Ranch, Winnemucca	
HLX	Hole	
M11A	Holland Ranch, North Fork	
HCR	Hot Creek Range	
HYX	Hoyt Mine	
HCK	Huntoon Valley	
HVL	Huntoon Valley	
M10A	I.L. Ranch, Tuscararo	
IO-	Ione	IO-NV
IO-NV	Ione	
JON	Johnnie	
NYJ	Joshua Tree	
KVN	Kaiserville	
KP-NV	Kawich Peak	
KRNA	Kawich Range	
LM-NV	Lake Mead	
LM-	Lake Mead	LM-NV
LVN	Las Vegas	
LVW	Las Vegas	
LDV	Leadville	
LI-NV	Liberty	
LI-	Liberty	LI-NV
LHV	Little Huntoon Valley	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LOP	Lookout Peak	
LVK	Lovelock	
LO-NV	Lovelock	
LO-	Lovelock	LO-NV
LBP	Lucky Boy Pass	
LNG	Luning	
MGM	Magruder Mountain	
M09A	Marrel Ranch, Paradise Valley	
P12A	McGill	
MCN	Mercury	
MCV	Mercury	
MCY	Mercury	
MILR	Miller Mountain	
R08A	Mina	
MNA	Mina	
MNV	Mina	
MN-NV	Mina	
MN-	Mina	MN-NV
NVAR	Mina Array Beam Reference Point	
NV01	Mina Array Site 1	
NV10	Mina Array Site 10	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV11	Mina Array Sites 11 and 31	
T12A	Moapa	
M13A	Montello	
MZP	Montezuma Peak	
MTPC	Mountain Pass	
MTI	Mount Irish	
N23	N23	
NMN	Nasa Mountain	
V12A	Nelson	
NEN	Nelson	
NEL	Nelson	
NT2NV	Nevada Test Site	
NT-NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NPN	North Pahroc Range	
NPM	North Pahute Mesa	
NRM	North Rainier Mesa	
NRR	North Reno	
ADM	NRDS	
OB2NV	Oak Springs Butte	
OB-NV	Oak Springs Butte	
OB3NV	Oak Springs Butte	
OVE	Overton	
PAHR	Pah Rah Range	
PRN	Pahroc Range	
PMN	Pahute Mesa	
LO2	Pahute Mesa	
PH2NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PH-NV	Pahute Mesa Site	
PARR	Paradise	
PEAR	Peavine Mountain	
PNR	Penrod	
PNTR	Pine Nut	
R12A	Pony Springs, Pioche	
QM-NV	Quartzite Mountain	
QCS	Queen City Summit	
QNR	Quinn River	
QRV	Quinn River Valley	
S11A	Rachel	
RH-NV	Rawhide Mountain	
NYR	Receiver Site	
REN	Reno	
RVE	Reveille Range	
O08A	Rochester Mine, Lovelock	
N09A	Rock Creek Ranch, Golconda	
RUT	Ruth	
RYN	Ryan	
SGI04	Saint George Infrasonic Array Site 4	
Q07A	Schurz	
SRG	Seaman Range	
SHRG	Sheep Range	
SHPR	Sheep Range	
SZ-	Shoal	SZ-NV
SZ-NV	Shoal	
SSP	Shoshone Peak	
SVP	Silver Peak Range	
SIMR	Simon	
STM	Slate Mountain	
SMN	Sleeping Mountain	
M07A	Soldier Meadows	
SPRG	Spotted Range	
SSX	SS1	
STX	Station 2	
P06A	Stead Airport, Stead	
ST-NV	Stillwater	
SWN	Stillwater	
ST-	Stillwater	ST-NV
SDH	Striped Hills	
SOX	Sue Hot Springs	
SC-	Sutcliffe	SC-NV
SC-NV	Sutcliffe	
NYS	Syncline Ridge	
TPU	Tempiute Mountain	
N2-NV	Test Site	
NT13	Thirsty	
TCNV	Thirsty Canyon	
TMN	Timber Mountain	
TMBR	Timber Mountain	
TP-NV	Tippipah	
TP-	Tippipah	
TI-NV	Tolicha Peak	
TPK	Tolicha Peak	
R09A	Tonopah	
TNP	Tonopah	
TPH	Tonopah	
TPV	Tonopah	
S10A	Tonopah Range, Tonopah	
TPNV	Topopah Spring	
O07A	Toulon	
TRCR	Troy Canyon	
R11A	Troy Canyon, Currant	
TVH1	TV Hill, Hawthorne	
TSV	Twin Springs	
UVN	Unionville	
UVN1	Unionville	
U12A	Valley of Fire, Overton	
NYV	Vern	
VCNR	Virginia City	
VIP	Virginia Peak	
WAD	Wadsworth	
WAKR	Walker	
WZ-NV	Warm Springs	
WSN	Warm Springs	
R10A	Warm Springs	
WSR	Warm Springs Repeater	
WSH	Washington Hill	
WCN	Washoe City	
M12A	Wells	
N13A	Wendover, West Wendover	
WTCR	Whites Canyon	
WCT	Wildcat Mountain	
WLDR	Wildhorse	
L09A	Wilkinson Ranch, McDermitt	
Q12A	Willow Creek Ranch, Ely	
WI-	Winnemucca	WI-NV
WI-NV	Winnemucca	
WMN	Winnemucca	
WRN	Worthington Mountains	
YERR	Yerington	
YF-NV	Yucca Flat NTS	
YF2NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YMT3	Yucca Mountain	
YM-NV	Yucca Mountain	
YMT1	Yucca Mountain	
YMT2	Yucca Mountain	
YMT4	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
NT2		NT2NV
FPK		
NT-		NT-NV
WHR		
NSP		
New Hampshire		
BNH	Berlin	
K63A	Dunstable	
DNH	Durham (NH)	
FNN	Franconia Notch	
FFD	Franklin Falls Dam	
HNH	Hanover	
J62A	Henniker	
LANH	Laconia	
LB-	Lebanon	LB-NH
LB-NH	Lebanon	
LS-NH	Lisbon	
LBNH	Lisbon	
LS-	Lisbon (USA)	LS-NH
H62A	Milan	
ONH	Oakhill	
PNH	Pitcher Mountain	
NH1	Sanbornton	
J63A	Strafford	
I62A	Tamworth	
DUNH	University New Hampshire, Durham	
UNH	University of New Hampshire, Durham, NH	
WNH	Whiteface	
WBNH	Wolfeboro	
New Jersey		
O61A	Allentown	
BRNJ	Basking Ridge	
CNJ	Catfish Pond	
DENJ	Denville	
GMTN	Garret Mountain	
GPD	Greenpond	
P61A	Hammonton	
LVNJ	Long Valley	
FHMC	Merrill Creek	
PEMC	Merrill Creek	
ABMC	Merrill Creek	
HRMC	Merrill Creek	
PMMC	Merrill Creek	
PFMC	Merrill Creek	
PDMC	Merrill Creek	
EPMC	Merrill Creek	
MONJ	Montclair	
MSNJ	Montclair St. U.	
OGD	Ogdensburg	
ODNJ	Ogdensburg	
PQN	Pahaquarry	
PNJ	Paterson	
PVN	Peters Valley	
PANJ	Princeton	
PRIN	Princeton	
RAMA	Ramapo Mountain	
N61A	South Mountain, Millburn	
TABN	Tabernacle	
New Mexico		
X21A	Alamocita Creek, Datil	
W22A	Albuquerque	
ABQ	Albuquerque	ALQ
ALQ	Albuquerque	
ANMO	Albuquerque	
ANTR	Antelope Ridge	
127A	Arkansas Junction, Hobbs	
TASM	ASL Pad, Albuquerque Seismic Lab	
U26A	Atchley Ranch, Grenville	
BRC	Barley Canyon	
BNM	Barren Site	
BMNM	Bear Mountains	
T19A	Beclabito	
123A	Bell Site, White Sands Missile Range	
227A	Bennet, Jal	
X22A	Bernardo	
BDNM	Bernardo	
BBN	Black Butte	
W27A	Bowe Ranch, Endee	
V20A	Brimhall	
CCN	Cachucha Ranch	
Y24A	Capitan	
Z26A	Caprock	
CPRX	Cap Rock	
CLN	Carlsbad	
CLNB	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	

Code	Station Name	Other
CLN7	Carlsbad 7	
CBET	Carlsbad E Tower	
CRNM	Carthage	
Y27A	Causey	
CZL	Cerro Azul	
CDN	Cerro del Durazano	
CNM	Chama	
223A	Chaparral, Anthony	
U25A	Circle Dot Ranch, Maxwell	
CLP	Clara Peak	
126A	Clayton Basin, Artesia	
X25A	Clemmons Ranch, Yeso	
COH	Cochiti	
122A	Conniff Cattle Co., Rinco	
121A	Cookes Peak, Deming	
X26A	CR and CF Franklin Farms, Melrose	
DMPK	Deadman Peak	
225A	Deer Hill, Carlsbad	
DNM	Dulce	
Z22A	Elephant Butte, Truth or Consequences	
Y26A	Elida	
U23A	El Rito	
EST	Estancia	
EUM	Eureka Mesa	
X27A	F and S Farms, Texico	
FARG	Farmington	
FCN	Frijoles Canyon	
125A	Gardner Draw, Artesia	
GB-NM	Gasbuggy	
GN-NM	Gnome	
GN-	Gnome	GN-NM
GNM	Golden	
GDL2	Guadalupe Mountain	
HTMS	Hat Mesa	
Y20A	Horse Springs, Datil	
X23A	Hourglass Bar Ranch, Mountainair	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y22E	IRIS PASSCAL Instrument Center, Socorro	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
JOAQ	Joaquin Lookout	
JUM	Jug	
KT5	Kermit	
KT2	Kermit	
KT4	Kermit	
KT8	Kermit	
KT7	Kermit	
KT1	Kermit	
KT3	Kermit	
KT9	Kermit	
320A	Kipp Ranch, Antelope Well	
LCV	La Cueva	
LAZ	Ladron	
LAD	Ladron Mountain	
LJY	La Joya	
LFC	Lale Fork Canyon	
LC-	Las Cruces	LC-NM
LC-NM	Las Cruces	
W24A	Lazy 6 Ranch, Villanueva	
X24A	Lazy VL Ranch, Encino	
LENM	Lemitar	
U22A	Llaves	
LOA	Los Alamos	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LPM	Los Pinos Mountain	
Y23A	Lovelace Mesa, Carrizozo	
226A	Malaga, Loving	
MLM	Mesa Lucero	
Y25A	Mesa, Roswell	
221A	Mesquite Ranch, Deming	
V21A	Milan	
ML-NM	Mogollon	
ML-	Mogollon	ML-NM
U24A	Moreno Valley High School, Angel Fire	
MSA	Mount San Antonio	
MTL	Mount Taylor	
U21A	Nageezi	
T21A	Navajo Lake, Ignacio	
U20A	Newcomb	
NMH	New Mexico Highlands	
Z20A	Nine Sixteen Ranch, Cliff	
OTZ	Ortiz Mountain	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
W26A	Owens Ranch, Tucumcari	
TVZX	PASSCAL Warehouse	
220A	Playas Peak, Playas	
Y21A	Point of Rocks Canyon, Magdalena	
X20A	Quemado	
W20A	Ramah	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
RT-	Raton	RT-NM
RT-NM	Raton	
REDP	Redondo Peak	
RIO	Rio Grant	
Z23A	Rita Site, White Sands Missle Range	
Z25A	Roswell	
SPD	Saint Peter's Dome Lookout	
W21A	San Fidel	
SMNM	San Marcial	
V22A	San Miguel Ranch, Cuba	
Z24A	Sheeppen Canyon, Tinnie	
SVM	Silver City	
TASL	Snake Pit, Albuquerque Seismic Lab	
SRF	Snake Ranch	
Y22A	Socorro	
SRM	Socorro	
SNM	Socorro	
SBM	South Baldy	
Z21A	St. Cloud Mine, Winston	
124A	Stringfield Ranch, Weed	
Z27A	Tatum	
226B	Tecolote Peak, Malaga	
V26A	Tequesquite Ranch, Mosquero	
TSP	Tesuque Peak	
TTP	Tetilla Peak	
TC-	T or C	TC-NM
TD-	Tres Piedras	TD-NM
TD-NM	Tres Piedras	
TC-NM	Truth or Consequences (T or C)	
120A	U Bar Ranch, Lordsburg	
W23A	Werner Place, Edgewood	
WMA	West Mesa	
222A	Williams Family Ranch, Las Cruces	
WTX	Workman Tunnel	
W25A	X Bar L Ranch, Newkirk	
New York		
ADN	Adams	
RSNY	Adirondack	
ACCN	Adirondack Community College	
APH	Airport Hangar	
ALX	Alexander Bay	
ALF	Alfred	
ANNS	Annsville	
J54A	Appleton	
ARNY	Arden House	
ATT	Attica	
ABRN	Auburn	
ASNY	Au Sable	
BGR	Bangor (NY)	
K54A	Basiliko Farm, Boston	
BERL	Berlin (NY)	
BING	Binghamton	
BINY	Binghamton	
BNY	Binghamton	
BRNY	Black Rk. Forest	
BML	Blue Mountain Lake	
BLMY	Blum	
BRCN	Bracie Corner	
BIPS	Buchanan	
BUF	Buffalo	
BFF	Buffalo-Larkin	
H59A	Cadyville	
CHRY	Calls Hollow Road	
CAMB	Cambridge (NY)	
CANY	Canisius	BUF
CCNY	Canisius College, New York, USA	
I57A	Carthage	
CTNY	Carthage	
CTR	Castle Rock	
N62A	Caumsett State Park, Huntington	
CAZE	Cazenovia	
CPNY	Central Park	
CHAU	Chaumont	
CMNY	Cheesecote Mountain, Pomona, NY	
CNY	City College NY	
CLAR	Clarkstown	
CLIN	Clinton	
CONY	Cobleskill	
COSP	Cold Spring	
CSRY	Cold Spring River	
K59A	Cooperstown	
CROG	Croghan	
CRNY	Cross River	
CLY	Crystal Lake	
DANY	Dannemora	
DH-NY	Delhi	
DH-	Delhi	DH-NY
DPLY	Delli Paoli	
DP-NY	Deposit	
DP-	Deposit	DP-NY
DNY	Dersam	
DHN	Doyle Hill	
DBMY	Dunderburg Mountain	
DSN	Dusing	
EGN	Eagle's Nest	
K58A	Earlville	
EAN	East Aurora	
ELNV	Ellenville	
ELM	Elma	
FINE	Fine	
K60A	Five Rivers Env. Education Center, Delmar	
FRNY	Flat Rock	
FOR	Fordham	
H58A	Gabriels	
GARN	Garrison	
GENY	Geneseo	
GERM	Germantown	
GILB	Gilboa	
GSCY	Girl Scout Camp	
GCY	Glen Cove	
GLOV	Gloversville	
GOBY	Gobbelet	
GNF	Goodnow Flow	
GFN	Grafton	
M61A	Granite Springs	
L56A	Greenwood	
HMB	Hamburg	
HNY	Hamilton	
L58A	Harry Jones Memorial, Binghamton	
HAVE	Haverstraw	
L61A	Hillsdale 1, Hillsdale	
J55A	Hilton	
L55A	Hinsdale	
HMCY	Holy Mount Cemetery	
HCNY	Howe Caverns	
INY	Ithaca	
ITH	Ithaca	
KSVO	Keeseville	
LCNA	Lacona	
LONY	Lake Ozonia	
LOZ	Lake Ozonia	
J60A	Lant Hill Farm, Argyle	
LILH	Lima (NY)	
AMNH	Manhattan	
MSNY	Massena	
N63A	Mattituck	
MEDY	Medina	
MEDO	Medina	
K56A	Middlesex	
MIV	Mineville/Witherbee	
NPNY	Mohonk Preserve	
MANY	Mount Airy	
MMNY	Mt. Morris Dam	
CHIP	Near Potsdam	
NCB	Newcomb	
NWC	North Woods Club	
OAK	Oakfield	
I58A	Old Forge	
I59A	Olmsteadville	
ONTR	Ontario (NY)	
OSBY	Osborn	
OSNY	Ossining	
OSWG	Oswego	
OCN	Over Castle Rock	
PRNY	Paleo Inst,Ithaca	
PAL	Palisades	
K55A	Perry	
PGY	Peter Gray Mountain	
PHEL	Phelps	
J59A	Piesco	
PNZ	Plattsburgh	
PNY	Plattsburgh	
M60A	Port Jervis	
POTS	Potsdam Coll	
PTN	Potsdam (NY)	
PUTN	Putnam	
QLNY	Queensboro Lake	
CUNY	Queens College	
J58A	Remsen	
H57A	Richville	
ROC	Rochester	
RMO	Rochester (NY)	
RLSP	Rockland Lake	
ROTD	Rotterdam (NY)	
SPSY	Saint Peters School	
SANY	Sanborn	
SRMY	Scherman	
K57A	Scipio Center	
L60A	Shokan	
L54A	Sinclairville	
SKN	Skaneateles	
SKLY	Ski Hill Lift	
SONY	Sodus	
SFO	Sterling Forest	
SFN	Sterling Forest	
STLY	Stiles	
STWA	Stillwater	
SPNY	Stone Ridge	
PONY	Stone Ridge	
PKNY	Stone Ridge	
SNPY	Stony Point	
SUFF	Suffern	
TBR	Table Rock	
TRNY	Table Rock, Ramapo, NY	
TRY	Troy	
TUS	Tuscarora	
TXNY	Tuxedo	
UWL	Utowana Lake	
VCS	Vernal Corners	
L59A	Walton	
WPR	Ward Pound Ridge	
WTVE	Waterville	
WGLY	Wegel	
WLI	Wellesley Island	
WCNY	West Carthage	
WCCN	Westchester CC	
WCC	Westchester Community College	
WMNY	West Monroe	
WEST	Westmoreland	
WPNY	West Park	
WVLY	West Valley	
WVNY	West Valley, New York	
J57A	Williamstown	
WNY	Wilmington	
WND	Windham	
J56A	Wolcott	
YSNY	Yorkshire	
JORD		
North America		
HMH	Humu'ula Sheep Station	
PJLM	Jolon Road	
KOFP	Korovin Flat Point	
MWH	Moku'a@18weoweo	
PJC	Pensacola State College	
North Carolina		
AE-	Albemarle	AE-NC
AE-NC	Albemarle	
X60A	Albert Glenn Thornton	
AVNC	Asheville	
BENN	Benn Knob	
U57A	Blanch	
BRBC	Blue Ridge Broadcasting Company	
Y60A	Bolivia	
BUNC	Butner	
CCNC	Camp Creek Bald	
CEH	Chapel Hill	
CHC	Chapel Hill	
CPC	Cherry Point	
CNNC	Cliffs of the Neuse	
W59A	Clinton	
V57A	Coltrane Farms	
W53A	Cullowhee	
ER319	Early Rise 319	
W57A	Gilead	
GFM	Grandfather Mountain	
GBNC	Greensboro	
W61A	Ground Anchor Farm, New Bern	
V62A	Hyde County Airport	
W56A	Indian Trail	
V60A	Jim Taylor Road, Stokes	
U56A	King	
RNC	Little Raleigh	
U59A	Littleton	
X59A	McDuffie Farm, Elizabethtown	
V59A	Middlesex	
V56A	Mocksville	
MGNC	Mount Gibbes	
MTSH	Mount Sheppard	
W52A	Murphy	
MYNC	Murphy	
V54A	Nebo	
NCAT	North Carolina A&T Campus	
U58A	Oxford	
PAULI	Pauline	
U60A	Pendleton	
W60A	Pink Hill	
PKNC	Pores Knob	
U61A	Possum Corner Farms, Belvidere	
W58A	Raeford	
RBNC	Richland Balsam	
RICH	Rich Mountain	
V61A	Roper	
X58A	Rowland	
V53A	Saluda	
SMNC	South Mountain	
U55A	TA2, Sparta	
V55A	Taylorsville	
TVNC	Taylorsville	
TRYN	Tryon Peak	
WSSR	Wesser Bold	
WNC	Wilmington	
V58A	Windy Hill, Pittsboro	
WSNC	Winespring Bald	
North Dakota		
E32A	Braaten, Kindred	
D30A	Buchanan	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
D27A	Center	
D32A	Dogwood Acres, Gardner	
B28A	Dugan Ranch, Towner	
D25A	Fairfield	
C25A	Freed Ranch, Watford	
B31A	Greenbush Farm, Park River	
HH2ND	Hannah	
HH2	Hannah	HH2ND
C28A	Hausauer Farms, Kief	
A30A	Hoffart Farm, Langdon	
E28A	Huff	
B26A	Jensen Ranch, Palermo	
E30A	Jud	
B25A	Knox Farm, Ray	
C31A	Landman Farms, Northwood	
A27A	Ledoux Ranch, Antler	
MDND	Maddock	
D26A	Manning	
A29A	Manning Farm, Rocklake	
D31A	Mcclaflin, Tower City	
E25A	Miller Ranch, Amidon	
C30A	Mose, Pekin	
B30A	Myrvik Farm, Edmore	
E29A	Napoleon	
E31A	Nome	
B27A	Peters Farms, Glenburn	
D29A	Pettibone, Tappen	
D28A	Regan	
A28A	Rude Farm, Bottineau	
RY-	Ryder	RY-ND
RY-ND	Ryder	
C27A	Sayler Ranch, Douglas	
A25A	Svangstu Ranch, Noonan	
TS-ND	Trotters	
TS-	Trotters	TS-ND
A26A	Wade Farm, Kenmare	
B29A	Wagenman Farm, Cando	
C26A	Wahner Farm, Parshall	
A24A	Westby	
Ohio		
O52A	Adamsville	
ACOH	Alum Ck. St. Park	
ACSO	Alum Creek State Park	
AN1	Anna	
AN10	Anna	
AN11	Anna	
AN3	Anna	
AN4	Anna	
AN7	Anna	
AN9	Anna	
AN8	Anna	
AN12	Anna	
N51A	Ashland	
ACEO	Ashtabula EMA	
BTCO	Belmont College, St. Clairsville	
Q52A	Bidwell	
BCSO	Bloom-Carroll	
BHSO	Botkins High School	
BGO	Bowling Green	
BGSO	Bowling Green State University	
O50A	Cable	
M52A	Chesterland	
CCHE	Chesterland	
CNN	Cincinnati	
CSCO	Clark State Community College	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
COWO	College of Wooster	
N49A	Columbus Grove	
P52A	Corning	
O49A	Covington	
CECL	East Claridon	
M48A	Edgerton	
ECCO	Edison CC	
M51A	Elyria	
M50A	Fremont	
GZ-OH	Galion	
Q50A	Georgetown	
CGRR	Girdled Road	
P50A	Jamestown	
KSUO	Kent State University	
LECO	Lake Erie College	
LCCO	Lakeland CC	
LCCO2	Lakeland CC 2, Kirtland	
M49A	Liberty Center	
N53A	Lisbon	
MACO	Marietta College	
MVKY	Maysville	
N52A	McGinn's Farm, Dalton	
CMEN	Mentor	
P49A	Miami Univ. Ecology Research Center	
MLF	Milford	
MOSO	Mohican School	
GPDO	Montville, Ohio	

Code	Station Name	Other
MUCO	Mount Union College	
N50A	Nevada	
O53A	New Philadelphia	
OGSO	Ohio Geological Survey, Columbus	
OSUO	Ohio State University	
OSLO	Ohio State University--Lima	
OSMO	Ohio State University--Mansfield	
OUAO	Ohio University	
O51A	Pataskala	
Q51A	Peebles	
PIOH	Piqua	
SSUO	Shawnee State University	
CTOM	Thompson	
CTHA	Thorn Acres	
UOCO	University of Cincinnati	
UTLO	University of Toledo	
UTO	University of Toledo	
P53A	Whipple	
P51A	Williamsport	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
YSUO	Youngstown State University	
Oklahoma		
ACO	Alabaster Cavern State Park	
ATO	Altona	
U34A	Anderson Ranch, Garber	
AL-	Antlers	AL-OK
AL-OK	Antlers	
AP-	Apache	AP-OK
AP-OK	Apache	
V32A	Arapaho	
ADOK	Arcadia Dam	
AM-OK	Ardmore	
AM-	Ardmore	AM-OK
AK-	Atoka	AK-OK
AK-OK	Atoka	
BHO	Bethel	
BIX	Bixby	
W34A	Bridge Creek, Tuttle	
W33A	Caddo, Fort Cobb	
CCOK	Camp Classen	
CRO	Carnasaw Mountain Lookout Tower	
CDO	Cedar Creek	
X36A	Centrahoma	
OK006	Choctaw High	
X37A	Clayton	
CT-OK	Clayton	
CT-	Clayton	CT-OK
TUL0	Crosstimbers Borehole	
X35A	Drake	
DU-	Durant	DU-OK
DU-OK	Durant	
Y36A	Durant	
OK023	East Waterloo Road, Luther	
X32A	Elmer	
GBO	Fort Gibson	
FKO	Franklin	
FNO	Franklin	
V34A	Guthrie	
OK007	Harrah City Hall	
OK003	Hefner Road	
HB-OK	Hobart	
HB-	Hobart (Okla)	HB-OK
W31A	Holland Ranch, Erick	
Y37A	Hugo	
V37A	Hulbert	
Y38A	Idabel	
V36A	Jenks	
JCE1	John's Creek	
OK001	Jones High Sch.	
X33A	Lawton	
LNO	Leonard	
LNO3	Leonard	
TUL1	Leonard	
LNO2	Leonard	
U33A	Lingo Farm, Meno	
V33A	Lossen Ranch, Watonga	
OK005	Luther M School	
Y35A	Marietta	
MZO	Mazie Landing	
X31A	McDonald Ranch, Hollis	
MEO	Meers	
MFO	Meers Fault	
MRO	Meridian	
V35A	Meyer Ranch, Chandler	
OK020	N3440 Road, Meeker	
OK021	N3530 Road, Sparks	
OK022	N3560 Road, Prague	
U31A	Nine Bar Ranch, Gage	
NMO	Norman	
OK009	Oakdale Elementary Sch.	
OKCFA	Oklahoma City	
OCO	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OK004	Okla Sci Mus	
OLO	Oologah	
U36A	Oologah	
U35A	Pawnee	
PKO	Pickens	
PCO	Ponca City	
W38A	Poteau	
QMO	Quartz Mountain	
QZO	Quartz Mountain State Park	
W37A	Quinton	
W37B	Quinton	
Y34A	Reagan Ranch, Oscar	
RRO	Red Rock Canyon	
RLO	Rose Lookout	
U37A	Salina	
W32A	Sentinel	
SCE1	Shell Creek	
SIO	Slick	
X34A	Smith Ranch, Marlow	
T35A	Sooner Cattle Company, Foraker	
OK008	Spencer City Hall	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
W35A	Tecumseh	
TO-OK	Tishomingo	
TO-	Tishomingo	TO-OK
TSO	Tulsa	
TUL	Tulsa	
UYO	Union Valley	
VVO	Vivian	
WA-OK	Watson	
WA-	Watson	WA-OK
OK024	West corner E0890 Road	
W36A	Wetumka	
X38A	Whitesboro	
WMOK	Wichita Mountains	
WMO	Wichita Mountains Array	
OK002	Wilshire Harrah	
WLO	Wilson	
U32A	Winter Ranch, Mooreland	
U30A	WK&E Inc. Balko	
Oregon		
AOT	Adel	
L07A	Adell	
ALST	Alston	
ALVY	Alvey	
ALO	Ashland	
BPO	Bald Peter	
VBPM	Bald Peter	
BT-	Bates	BT-OR
BT-OR	Bates	
F10A	Beach Ranch, Enterprise	
VBEM	Beaver Butte	
I05A	Bend	
BEND	Bend	
BROR	Big Rock Lookout	
G10A	Bishop Farm, Joseph	
BKCOR	Black Crater	
BMO	Blue Mountains Array	
KBO	Bosley Butte	
BUCK	Buck Mountain	
BULL	Bull Run Dam	
BURN	Burns	
BUOR	Burton Butte	
BBOR	Butler Butte	
CHOR	Cabbage Hill	
G06A	Carlson Farm, Grass Valley	
L02A	Cave Junction	
L02E	Cave Junction	
L02D	Cave Junction, OR	
VCMM	Chase Mountain	
K04D	Chiloquin, OR	
K04A	Chilquin	
J06A	Christmas Valley	
J08A	Circle Bar Ranch, Crane	
B023	Clatskanie	
COLT	Colton High School	
COR	Corvallis	
G09A	Cove	
KR-	Crane	KR-OR
KR-OR	Crane	
VCLM	Crater Lake	
CROR	Criterion Ridge	
H04A	Detroit Lake	
DBO	Dodson Butte	
I03D	Drain, OR	
I08A	Drewsey	
H09A	Durkee	
KEBM	Edson Butte	
I03A	Eugene	
EUO	Eugene	
EYES	Ewing Young ES, Newberg ANSS-SMO	
FBO	Farmers Butte	
L08A	Fields	
VFP	Flag Point	
J05A	Fort Rock	
J05D	Fort Rock, OR	
FMC	Four Mile Canyon	
VFBM	Frederick Butte	
FRIS	Frissel Point	
J09A	Fry Pan Ranch, Harper	
K02A	Glendale	
VGTM	Goat Mountain	
GT2	Goat Mountain	
VGBM	Gordon Butte	VGB
VGB	Gordon Butte	
VGMM	Grass Mountain	
VGPM	Green Peter	
PGO	Gresham	
GROR	Grindstone Mountain	
GMO	Grizzlie Mountain	
HAMO	Hamaker Mountain	
VHBM	Hamelton Butte	
HSO	Harness Mountain	
HAO	Harrison Substation	
HRO	Hermiston	
VHHM	High Heaven	
J07A	Hines	
HMO	H. Mason	
HOG	Hogback Mountain	
VHEM	Hood Meadows East	
VHYM	Horsefly Mountain	
HBO	Huckleberry Mountain	
HUMO	Hull Mountain	
HUOR	Husband	
J03A	Ideyld Park	
IRO	Indian Ridge	
VIPM	Ingram Point	
I07A	Izee	
VJYM	Jersey	
JBO	Jordan Butte	
JORV	Jorden Valley SMO	
KEEL	Keeler	
KMOR	Kings Mountain	
L04D	Klamath Falls	
KFAL	Klamath Falls	
L04A	Klamath Falls	
KFO	Klamath Falls	
LGOR	La Grande	
L05A	Lakeview	
LKVW	Lakeview	
H07A	Lands Inn, Kimberly	
LANE	Lane BPA Site-SMO	
VLMM	Larch Mountain	
VLL	Laurance Lake	
H04D	Lebanon	
LIME	Lime	
LNOR	Lincton Mountain	
H06A	Lindquist Farm, Mitchell	
LAB	Little Aspen Butte	
I09A	Lost Marbles Ranch, Westfall	
K10A	MacKenzie Ranch, Jordan Valley	
H05A	Madras	
K08A	Mann Creek Ranch, Princeton	
I02A	Mapleton	
MRIN	Marion BPA Site DOGAMI SMO	
MPOR	Mary's Peak	
VMNM	Maupin	
G03D	McMinnville, OR	
MFW	Milton-Freewater	
MONO	Monmouth DOGAMI SMO	
MOON	Moon Mountain	
VMHM	Mount Hagen	
HEBO	Mount Hebo	
VHOM	Mount Hebo	
HOOD	Mount Hood Meadows	
G04A	Mulino	
J01E	Myrtle Point	
J01D	Myrtle Point	
NCOR	Newberry Crater	
NEWO	Newport DOGAMI SMO	
NLO	Nicolai Mountain	
PERL	Pearl BPA Site DOGAMI SMO	
F08A	Pendleton	
PT-OR	Pendleton	
PNO	Pendleton	
PT-	Pendleton	PT-OR
PK-OR	Pilot Rock	
G08A	Pilot Rock	
PK-	Pilot Rock	PK-OR
PN-OR	Pine Creek	
PN-	Pine Creek	PN-OR
PINOR	Pine Mountain	
VPIM	Pine Mountain	
PMT	Pine Mountain	
PINE	Pine Mountain Observatory	
PTD	Portland	
H08A	Prairie City	
PRLK	Prince Lake	
I06A	Prineville	
VRC	Rainbow Creek	
F04D	Rainier, OR	
K07A	Rock Creek Ranch, Frenchglen	
RBO	Rocky Butte	
RNO	Roman Nose	
K09A	Rome	
VRBM	Round Butte Dam	
G07A	Ruggs Ranch, Heppner	
F09A	S2 Ranch, Elgin	
VPMM	Saint Patrick Mountain	
VSMM	Salem	
VSCM	Scott Mountain	
B022	Seaside	
F03A	Seaside	
SEAS	Seaside SMO	
SA-	Seneca	SA-OR
SA-OR	Seneca	
K01A	Sixes	
KSCM	Snow Cap Mountain	
H03A	Soap Creek Ranch, Albany	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SR-OR	Sparta	
SR-	Sparta	SR-OR
VSP	Spence Mountain	
VSBM	Spring Butte	
K05A	Summer Lake	
SSOR	Sweet Springs	
I02D	Swisshome	
TAKO	Tahkenitch	
I04A	Tendick Farm, Oakridge	
I05D	Terrebonne, OR	
VTDM	The Dalles	
TCO	Three Creek Meadows	
WIFE	Three Sisters--Wife	
TIMB	Timberline	
H02A	Toledo	
TOLO	Toledo BPA CREST BB SMO	
TDH	Tom, Dick, Harry Mountain	
TKO	Trask Mountain	
N02D	Trinity Center, CA	
TPOR	Trinity Point	
VTHM	Trough	
TCBU	Trout Butte	
VTCM	Trout Creek Butte	
UK-OR	Ukiah	
UK-	Ukiah	UK-OR
J02A	Umpqua	
UMPQ	Umpqua Community College DOGAMI SMO	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
K06A	Valley Falls	
VT-OR	Venator	
VT-	Venator	VT-OR
VWMM	Walker Mountain	
G05A	Wamic	
G05D	Wamic, OR	
VWBM	Wanoga Butte	
WPO	West Portland	
WMOR	Whale Back Mountain	
WVOR	Wild Horse Valley	
K02D	Willamette Meridian	
G03A	Yamhill	
Pennsylvania		
ABG	Abington	
ALLY	Alegheny College	
ATPA	Allentown	
AS-PA	Altoona	
O57A	Amberson	
L57A	Andrews Acres Farm, Gillet	
O54A	Avella	
BVR	Beaver	
BD-PA	Bedford	
BD-	Bedford	BD-PA
BV-	Belleville	BV-PA
BV-PA	Belleville	
BR-PA	Berlin	
BR-	Berlin (Penn)	BR-PA
BB-PA	Bloomsburg	
BB-	Bloomsburg	BB-PA
O56A	Blue Knob State Park, Imler	
N60A	Cedar Hill Farm, Mount Bethel	
DCP	Dickinson College	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
M56A	Emporium	
ERPA	Erie	
ERP	Erie	
FMPA	Franklin College	
GT-PA	Galeton	
GT-	Galeton	GT-PA
L53A	Girard	
HKP	Hidden Lake	
HD-	Howard	HD-PA
HD-PA	Howard	
KSPA	Keystone College	
KTZ	Kutztown	
LUPA	Lehigh University	
O58A	Lewisberry	
LT-PA	Lewistown	
LT-	Lewistown	LT-PA
O55A	Ligonier	
N55A	Marion Center	
MR-PA	Middleburg	
MR-	Middleburg	MR-PA
MVL	Millersville	
N57A	Milroy	
MS-	Montrose	MS-PA
MS-PA	Montrose	
N54A	Moraine State Park, Portersville	
NKP	New Kensington	
M54A	Oil Creek State Park, Oil City	
WRPS	Penn State University	
PSDB	Penn State University - DuBois	
PSWB	Penn State Wilkes-Barre	
PSUB	Penn St. - Brandywine Campus	
PAGS	Pennsylvania Geol. Surv.	
PHI	Philadelphia	
PIT	Pittsburgh	
PJ-PA	Pottstown	
M58A	Price's Panorama, Muncy Valley	
M55A	Ridgway	
O59A	Robesonia	
SH-PA	Shamokin	
SH-	Shamokin	SH-PA
SSPA	Standing Stone	
SCP1	State College	
SCP	State College	
N59A	State Game Land 141, Hazleton	
N58A	Sunbury	
SSL	Sunset Lake	
M57A	Sunshine Farm, Cogan Station	
O60A	Telford	
TUPA	Temple University, Ambler	
TU-PA	Tunkhannock	
TU-	Tunkhannock	TU-PA
UPAO	U. Pittsburgh - Allegheny Obs.	
M59A	Waymart	
WAY	Waynesburg	
WUPA	West Chester University of Pennsylvania, USA	
N56A	West Decatur	
M53A	WI Miller and Sons, Farmdale	
CMPA		
Rhode Island		
LAF	Lafayette	
L63A	North Scituate	
M64A	Tiverton	
South Carolina		
ADSC	Addlestone Acy	
BCS	Baptist College of Charleston	
X54A	Belton	
BIRD	Birdtown, Kershaw	
Z57A	Bowman	
BOW	Bowman	
CHF	Calhoun Falls	
CCS	Cawcaw Swamp	
CSU	Charleston Southern University	
W54A	Cherokee Point, Campobello	
SCCK	Coley Creek	
CSC	Columbia	SVC
COW	Cow Castle Creek	
CFS	Cross Fire Station	
DRC	Dorchester	
157A	Early Branch	
FMF	Francis Marion National Forest	
Z59A	Georgetown, SC	
X55A	Gracelyn & Ava, Whitmire	
GVS	Graniteville	
HBF	Harts Bluff	
HODGE	Hodges	
158A	Hollywood	
HWD	Hollywood	
JSC	Jenkinsville	
JVW	Jocassee View	
X57A	Johnson Farm, Hartsville	
KMSC	Kings Mountain, Blacksburg	
BG3	Lake Jocassee	
LHS	Liberty Hill	
Y59A	Loris	
MGS	Middleton Gardens	
MKC	Moncks Corner	
MTT	Monetta	
MR01	Monticello Reservoir Site 1	
MR10	Monticello Reservoir Site 10	
MR02	Monticello Reservoir Site 2	

Code	*Station Name*	*Other*
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MMCS	Mount Moriah Church	
ZIN	Mount Zion Church	
NHSC	New Hope	
NHS	North Hampton	
VEW	Oceanview	
OSB	Orangeburg	
OSC	Orangeburg	
PRM	Parsons Mountain	
Y56A	Pelion	
PPS	Pierpont	
PBS	Pigeon Bay	
PBF	Porcher Bluff	
RGRS	Roger Stewart	
ROW	Rowesville	
SGS	Saint George	
Y55A	Saluda	
SRPN	Savannah River	
SRPW	Savannah River	
SRPD	Savannah River	
Y58A	Scranton	
SBK	Seabrook	
SMMS	Six Mile Mountain	
SVS	Slandsville	
SMSC	Smeltzer Mountain	
Z58A	St. Stephen	
SMA	Summerton	
Y57A	Sumter	
C1SC	The Citadel Site 1	
C2SC	The Citadel Site 2	
TWB	Tillmans-Whites Bay	
TRSC	Trident Resrch Ctr	
TRK	Turkey Creek	
VRN	Varnville	
VSC	Varnville	
WSS	West Ashley	
WMS	West Middle School	
X56A	White Oak	
Z56A	Williston	
South Dakota		
AY-SD	Academy	
AY-	Academy	AY-SD
J28A	Allard Ranch, Norris	
RSSD	Black Hills	
F25A	Bowman	
H32A	Carlson Farm, Erwin	
I33A	Coleman	
CO-	Colome	CO-SD
CO-SD	Colome	
G31A	Conde	
J30A	Dallas	
J33A	Davis	
DL-	Dell Rapids	DL-SD
DL-SD	Dell Rapids	
G27A	Dupree	
EBS	Eagle Butte	
J27A	Elkhorn Farm, Martin	
ECSD	EROS Data Center, Sioux Falls	
F29A	Eureka	
H26A	Fairpoint	
G30A	Faulkton	
H25A	Fruitdale	
J31A	Geddes	
F31A	Hecla	
G29A	Hoven	
H27A	Howes	
I32A	Karley and Nick, Howard	
LEA	Lead	
F27A	Lemmon	
F30A	Leola	
F26A	Lodgepole	
G26A	Maurine	
F28A	McLaughlin	
I28A	Midland	
SUSD	Miller	
BRSD	Miller	
H28A	Mission Ridge	
MC-SD	Mitchell	
MC-	Mitchell	MC-SD
G25A	Newell	
I26A	New Underwood	
I30A	Oacoma	
J29A	Okreek	
H29A	Onida	
G28A	Parade	
J32A	Parkston	
H33A	Prehn Over North, Clear Lake	
I27A	Quinn	
RCD	Rapid City	
RG-	Redig	RG-SD
RG-SD	Redig	
I25A	Rochford	
I31A	Royce, Wessington Springs	
SX-	Salem	SX-SD
SX-SD	Salem	
J26A	Sides Ranch, Smithwick	
SY-	Stickney	SY-SD
SY-SD	Stickney	
J25A	Sunshine Ranch, Edgemont	
F32A	Veblen	
I29A	Vivian Onida	
G32A	Webster	
WN-	Winner	WN-SD
WN-SD	Winner	
H31A	Wolsey	
Tennessee		
ANTN	Anderson	
ACTN	Antioch Church	
ARPT	Arp	
ABTN	Auburntown	
ASTN	Avondale Springs	
BCRT	Bacon Ridge	
W49A	Belvidere	
BSPT	Big Springs	
BFMT	Birchfield Mountain	
BHT	Blowhole	
BBTN	Blue Bank Bayou	
BRTN	Brown Mountain	
BKHT	Bunker Hill	
U44B	Burton Farm, Hornbeak	
CA-	Caryville	CA-TN
CA-TN	Caryville	
U48A	Cassie Pea, Portland	
CLTN	Cedars of Lebanon	
CV-	Centerville	CV-TN
CV-TN	Centerville	
CUET	Cent US Eq Cons	
CBHT	Chr Bro Hi School	
CBT	Christianburg	
CHTN	Church Hills	
U47A	Clarksville	
W51A	Cleveland	
CSPT	Cold Springs	
COTN	Columbia	
CRTN	Comb Ridge	
CPCT	Cooper Cave	
CVTN	Covington	
CCRT	Cow Camps Rge	
CS-	Crossville	CS-TN
CS-TN	Crossville	
CGTN	Cumberland Gap	
CPO5	Cumberland Plat.	CPOT
RSCP	Cumberland Plateau	
CPO	Cumberland Plateau	
CPOT	Cumberland Plateau	
CP-SO	Cumberland Plateau Observatory	
DYTN	Dayton	
DCT	Ducktown	
DRTN	Dyersburg	
DY1	Dyersburg	
EBZ	Ebenezer Church	
EDIT	Edith	
ETT	Etowah	
U53A	Fall Branch	
FGTN	Flat Gap	
FLPT	Flippin	
FPST	Four Points	
GLT	Gallatin	
GLAT	Glass	
GRT	Gratio	
GRBT	Greenback	
GBTN	Greenback	
GTTN	Green Top	
HALT	Halls	
HDBT	Hernando Brdge	
W45A	Hickory Valley	
V46A	Holladay	
HOPT	Hopper	
V45A	Humboldt	
HHT	Hurricane Hollow	
JS-	Jackson	JS-TN
JS-TN	Jackson	
U50A	Jamestown	
HPKT	Knoxville	
U51A	La Follette	
LF-TN	La Follette	
LF-	La Follette	LF-TN
DY2	Lassiter	
LTN	Lennox	
LNXT	Lenox	
LE-TN	Lewisburg	
LE-	Lewisburg	LE-TN
LMTN	Little Mountain	
LRKT	Look Rock	
V51A	Loudon	
MX-	Manchester	MX-TN
MX-TN	Manchester	
MVLT	Maryville	
V49A	McMinnville	
MM-	McMinnville	MM-TN
MM-TN	McMinnville	
MPH	Memphis	
MET	Memphis--Engineering Building	
W46A	Michie	
MILT	Milan	
MLNT	Millington	
MFTN	Millsfield	
MIST	Miston	
MOTN	Model	
NKT	Nankipoo	
NATN	Natchez Trace	
NAIN	Natchez Trace	
DY5	Near Lassiter	
U54A	Nelsons Funny Farm, Mountain City	
V47A	Nunnelly	
NAIT	NWS Agricenter	
OKG	Oak Grove	
ORT	Oak Ridge	
OGTN	Old Graveyard	
ONTN	Oneida	
OHTN	Owl Hoot	
PB-	Parsons	
PB-TN	Parsons	
PDTN	Piedmont	
V50A	Pikevile	
W48A	Pulaski	
RALT	Raleigh	
U49A	Red Boiling Springs	
RHT	Red Hill	
RDST	Rhodes College	
RCT	Riceville	
U45A	Rockin P Farm, Martin	
DY4	Samburg	
SHTN	Sandy Hook	
V52A	Sevierville	
SWET	Sewanee	
SWTN	Sewanee	
W44A	Shelby Farms Park, Memphis	
SFTN	Shelby Forest	
SMTN	Short Mountain	
W50A	Signal Mountain	
V48A	Smith Brothers Farm, Spring Hill	
U46A	Springville	
SLTN	Sullivan	
GILT	SW Tenn Gill Cnt	
TZTN	Tazewell	
TLT	Tellico Plains	
TCT	Tennessee City	
U52A	Thorn Hill	
TIPT	Tiptonville	
DY3	Tiptonville	
TSTN	Townsend	
TQTN	Tranquillity	
TKL	Tuckaleechee Caverns	
UGRT	Union Grove	
UTM	University of Tennessee at Martin	
UTMT	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	
VHTN	Van Hill	
WT-	Wartburg	WT-TN
WT-TN	Wartburg	
WVT	Waverly	
W47A	Westpoint	
WMTN	White Oak Mountain	
HDAR	W Memph W Sta	
WYBT	Wynnburg	
ZZT	Zu Zu	
Texas		
ABTX	Abilene, Hawley	
W29A	Amarillo	
AZ-	Amarillo	AZ-TX
AZ-TX	Amarillo	
AMTX	Amarillo	
433A	Art	
ATX	Austin	
AUS	Austin	
430A	Baggett Ranch, Ozona	
BM-	Balmorhea	BM-TX
BM-TX	Balmorhea	
327A	Balmorhea Ranch, Pecos	
536A	Bastrop	
BUTX	Baylor University	
325A	Bean Ranch, Sierra Blanca	
835A	Beeville	
934A	Benavides	
626A	Big Bend Ranch, Presidio	
628A	Black Gap, Marathon	
534A	Blanco	
Z36A	Blue Ridge	
MT1	Boracho Peak	
MT4	Brite Ranch	
340A	Bronson	
231A	Bronte	
229A	Bryant Ranch, Stanton	
139A	Bunkhouse Ranch, Marshall	
434A	Burnet	
326A	Caldwell Ranch, Toyah	
CGTX	Campo Grande	
128A	Castleberry Farm, Seminole	
439A	Center Grove, Livingston	
337A	Centerville	
V28A	Channing	
833A	Chaparral WMA, Artesia Wells	
CEC	Childress 1	
CNE	Childress 2	
CNO	Childress 3	
CNW	Childress 4	
CSE	Childress 5	
CSW	Childress 6	
CWT	Childress 7	
634A	China Grove, San Antonio	
736A	Circle Diamond K Ranch, Victoria	
234A	Clairette	
X30A	Coker Ranch, Turkey	
232A	Coleman	
Z34A	Collier Ranch, Chico	
CMTX	Cooper Mountain	
224A	Cornudas Mountain, Dell City	
MNTX	Cornudas Mountains	
ETX07	County Road 4760 near Route FM1970, Timpson	
ETX01	County Road 4772, Timpson	
528A	Cox Ranch, Sanderson	
W30A	Crocket Farms Inc., Mclean	
338A	Crockett	
539A	Cross D Ranch, Liberty	
535A	Dale	
DLS	Dallas	
DAL	Dallas	
V27A	Dan Oppiter Farms, Dalhart	
429A	Davenport Ranch, Sheffield	
DNT	Denton	
X28A	Dimmitt	
733A	Divot King Ranch, Dilley	
EF-	Eagle Flat	EF-TX
EF-TX	Eagle Flat	
637A	Eagle Lake	
MT2	Eagle Mountain	
EO2TX	Elmo	
EP-TX	El Paso	
EP-	El Paso	EP-TX
EPT	El Paso	
035A	Encino	
136A	Ennis	
832A	Faith Ranch, Carrizo Springs	
738A	Farr-Stevens Ranch, Sargent	
FMTX	Flower Mountain	
ETX03	FM Road 95, Garrison	
SFTX	Fort Shafter	
FO-TX	Fort Stockton	
FO-	Fort Stockton	FO-TX
FRTX	Fuller Ranch	
GL-	Garland	GL-TX
GL-TX	Garland	
239A	Gary	
GA3TX	Grand Saline	
GA2TX	Grand Saline	
GA-TX	Grand Saline	
GV-TX	Grapevine	
GV-	Grapevine	GV-TX
537A	Green Hill Farm, Brenham	
GR1TX	Grit	
GR2	Grit	GR2TX
GRI*	Grit	GR1TX
GR2TX	Grit	
133A	Hamilton Ranch, Breckenridge	
035Z	Hargill	
538A	Harpers Horsepen, Conroe	
Z32A	Haskell	
427A	Hayter Ranch, Fort Stockton	
034A	Hebbronville	
HE-	Hempstead	HE-TX
HE-TX	Hempstead	
137A	Heron Place, Grans Saline	
Y33A	Hilltop Ranch, Iowa Park	
HKT	Hockley	
HOU	Houston	
HET	Houston--Electro-Tech	
Z29A	Hungry Hill Ranch, Wilson	
339A	Huntington	
425A	Indio Mountain, Van Horn	
Z39A	Irene McRaven, Queen City	
238A	Jacksonville	
435B	Jarrell	
435A	Jarrell	
530A	J-C Ranch, Comstock	
JRTX	Jordan Ranch	
JCT	Junction City	
JU-	Juno	JU-TX
JU-TX	Juno	
236A	Katherine and Luke Keathley, Corsicana	
735A	Kenedy	
KM6	Kermit	
KIE	Kermit	
KIT	Kermit	
KKT	Kermit	
KM3	Kermit	
KM9	Kermit	
KM5	Kermit	
KTX	Kermit	
KTT	Kermit	KIT
KTE	Kermit	
KME	Kermit	
KM2	Kermit	
533A	Kerrville	
428A	Kincaid Ranch, Fort Stockton	
KVTX	Kingsville	
440A	Kirbyville	
LTX	Lajitas	
TXAR	Lajitas Array Beam Reference Point	
TX10	Lajitas Array Site 10	
TX11	Lajitas Array Site 11	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX32	Lajitas Array Site 32	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX31	Lajitas Ar. Site	
TX00	Lajitas Ar. Site	
LTB3	Lajitas B3	TX04
WHTX	Lake Whitney, Meridian	
734A	La Parita Creek, Jourdanton	
LP-	La Pryor	LP-TX
LP-TX	La Pryor	
933A	Laredo	
732A	Laxson Ranch, Crystal City	
635A	Leesville	
334A	Lometa	
LUB	Lubbock	
U28A	Mallet	
MTX	Marathon	
526A	Mary Lane Ranch, Marfa	
138A	Matatall Enterprise, Big Sandy	
MOT3	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT4	McDonald Obs.	
MOT1	McDonald Obs.	
MOT	McDonald Observatory	
426A	McDonald Observatory, Fort Davis	
Y28A	McKinney Farm, Littlefield	
432A	Menard	
330A	Mertzon	
MSUEL	Midwestern State University	
MT3	Miller Ranch	
332A	Millersview	
335A	Moody	
324A	Moseley Ranch, Sierra Blanca	
Z38A	Mt. Pleasant	
MSTX	Muleshoe	
NATX	Nacogdoches	
NSLM	New Salem	
936A	North Padre Island, Corpus Christi	
U29A	Oasis Ranch, Spearman	
Z35A	Perchaven, Sanger	
631A	Perdido Creek Ranch, Del Rio	
437A	Phantom Ranch, North Zulch	
RFTA	Plano	
Z37A	Pogue Cattle Company, Sulphur Springs	
Y29A	Porterfield Farm, Petersburg	
737A	Port Lavaca	
PO-TX	Post	
PO-	Post	PO-TX
ETX02	Prairie Street, Timpson	
PRST	Prospect	
Y31A	Rekieta Farm, Paducah	
333A	Richland Springs	
336A	Riesel	
233A	Rising Star	
131A	Roby	
531A	Rocksprings	
532A	Rocksprings	
638A	Rosharon	

Code	Station Name	Other
ETX06	Route 59 and County Road 4763, Timpson	
ETX04	Route FM415 near Route 87	
Y32A	R-V Farms, Vernon	
633A	Saathoff Ranch, Hondo	
438A	Sam Houston State University, Huntsville	
SA4TX	San Angelo	
331A	San Angelo	
SA4	San Angelo	SA4TX
SA2TX	San Angelo	
SA2	San Angelo	SA2TX
SAT1	San Antonio Texas	
SS-TX	Sanderson	
SS-	Sanderson	SS-TX
Z30A	Sanderson Ranch, Post	
SJ-TX	San Jose	
SJ-	San Jose (USA)	SJ-TX
SM-TX	Seymour	
SM-	Seymour	SM-TX
SK-TX	Shamrock	
SK-	Shamrock	SK-TX
Z31A	Sharp Cattle Ranch, Aspermont	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
636A	Smothers Creek Ranch, Hallettsville	
130A	Snyder	
431A	Sonora	
V30A	Spur Ranch, Miami	
Y30A	Stafford Cattle Company, Roaring Springs	
230A	Sterling City	
529A	Stev Forest Ranch, Sanderson	
129A	Stewart Farms, Lamesa	
V29A	Stinnett	
ST1TX	Streeter	
ST2TX	Streeter	
ST2	Streeter	ST2TX
ST4TX	Streeter	
ST1	Streeter	ST1TX
ST4	Streeter	ST4TX
627A	Terlingua Ranch, Terlingua	
U27A	Thompson Grove	
834A	Tilden	
TTX	Tres Cuevas	
Z28A	Tucker Farm, Meadow	
X29A	Tulia	
228A	UT Block 9, Goldsmith	
632A	Uvalde	
W28A	Vega	
135A	Vickery Place, Crowley	
540A	Vidor	
329A	Wagon Wheel Ranch, Midkiff	
436A	Wall Ranch, Gause	
237A	Washetta, Montalba	
Z33A	Whitaker Ranch, Olney	
134A	White-Moore Ranch, Lipan	
WP-TX	Wills Point	
527A	Woodward Ranch, Alpine	
328A	Wristen Ranch, Grandfalls	
ZAV	Zavalia	
CCUT	Cedar City	
EVIN	Evansville	
HAIL	Harrisburg (Southeastern Illinois College)	
LTL	Livingston	
OLIL	Olney	
Utah		
AAU	Alta	
AMF	American Fork	
ANU	Antelope Island	
ARUT	Antelope Range	
ARGU	Argyle Ridge	
BAP	Bailey Peak	
BTU	Barney Top	
P13A	Bates Ranch, Gandy	
BCU	Bear Canyon	
BHUT	Beaver	
BVK	Beaver Lake	
BKU	Beaver Lake Mountains	
BDU	Big Dutch Hollow	
BGU	Big Grassy Mountain	
BIU	Bingham Canyon	
BMUT	Black Mountain	
S17A	Black Ridge (BLM), Bullfrog Basin	
BX-	Blanding	BX-UT
BX-UT	Blanding	
BSUT	Blindstream Canyon, Hanna	
BHU	Blowhard Mountain	
BCE	Book Cliffs East	
BPU	Bountiful Peak	
BCUT	Brigham City	
BYU	Brigham Young University	
BRUT	Bromley	
BBUT	Bumble Bee	
P17A	Butcher Ranch, Price	
CTU	Camp Tracy	
CWU	Camp Williams	
R18A	Canyonlands National Park, Moab	
Q16A	Castle Valley Ranch, Emery	
S14A	Cedar City	
CCU	Cedar City	
CVH	Cedar City	
IAE	Cedar City, Iron County	
CCPU	Cedar City Park	
CVE	Cedar Cove	
CMU	Cedar Mountain	
CPU	Coon Peak	
CFU	Cove Fort	
R19A	Curley Farm, La Sal	
DAU	Daniels Canyon	
DCU	Deer Creek Reservoir	
DBD	Des Bee Dove	
P14A	Drum Mountains (BLM), Topaz	
DWU	Dry Willow Peak	
DCM	Dugout Coal Mine	
DUG	Dugway, Tooele County	
EPU	East Promontory	
ETU	East Traverse Mountains	
ELU	Electric Lake	
EOCU	Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	
EMUT	Emma Park	
Q15A	Fillmore	
FM-	Fillmore	FM-UT
FM-UT	Fillmore	
FSU	Fish Springs	
FGU	Flaming Gorge	
FLA	Flat	
FLU	Fool Peak	
FDU	Ford Ridge	
P16A	Fountain Green	
FPU	Francis Peak	
GRD	Gardner Farm	
MGCU	Grand County Courthouse, Moab, UT	
GMU	Granite Mountain	
N14A	Grayback Hills BLM, Clive	
GZU	Grizzly Peak	
GSUT	Gun Site Peak	
HLJ	Hailstone	
R17A	Hanksville Airport, Hanksville	
HVU	Hansel Valley	
HWUT	Hardware Ranch	
HRUT	Hardware Ranch	HWUT
S19A	Harvey Farm, Monticello	
HEB	Heber	
HMU	Henry Mountain	
O13A	Hicks Ranch, Ibapah	
HAFB	Hill Air Force Base, Hill AFB, UT, USA	
Q19A	Hogan Spring (BLM), Cisco	
HRU	Hogsback Ridge	
HFSU	Holladay Fire Station, Holladay, Utah	
S13A	Holt Ranch, Enterprise	
HONU	Honeyville	
HCU	Horse Canyon	
HTU	Hoyt Peak	
M16A	Huntsville	
HHS	Hurricane	
T14A	Hurricane	
S18A	Hurst Farm, Blanding	
HDU	Hyde Park	
ICU	Indian Springs Canyon	
IMU	Iron Mountain	
R14A	James Farms, Milford	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
JLU	Jordanelle	
R15A	Junction	
KN-UT	Kanab	
KEUT	Kanab	
KN-	Kanab	KN-UT
KNB	Kanab	
KLJ	Keetly	
KDUT	Kidman Hollow	
LDJ	Lady	
LMUT	Lake Mountain	
LMU	Lake Mountain	
LSU	Lake Shores	
N18A	Larsen Ranch, Manila	
M15A	Larsen Ranch, Promontory	
P15A	Leamington	
LEE	Leeds	
LDS	Leeds	
LEVU	Levan	
LVU	Levan Peak	
LCMT	Little Creek Mountain	
LHUT	Little Humpy Peak	
LTU	Little Mountain	
LOG	Logan	
LBUT	Lower Browns Hole	
LWA	Lower Mag Wash	
LSUT	Lucky Star	
MWA	Mag Wash	
MPU	Maple Canyon	
MVU	Marysvale	
MSU	Marysvale	
MGU	Meadow Creek Golf Course	
T18A	Mexican Hat	
MHD	Mile High Drive	
MNU	Milford North	
O19A	Miners Draw (BLM), Jensen	
MMU	Miners Mountain	
MBUT	Moab	
N17A	Moffit Pass	
MCU	Monte Cristo Peak	
MTUT	Morton Thiokol	
MOUT	Mount Ogden	
MTPU	Mount Pierson	
NAIU	Northern Antelope Island	
NLU	North Lily Mine	
NMUT	North Mineral Mountain	
NOQ	North Oquirrh Mountains	
NSU	North Stansbury	
OGU	Ogden Bay	
R13A	O'Grain Ranch, Modena	
OWUT	Old Woman Plateau	
OPL	Opal Mound	
PST	Pasture Canyon	
PBU	Perry Basin	
PSUT	Pine Spring	
PKCU	Pink Cliffs	
PUU	Piute Reservoir	
PCY	Pole Canyon	
PTU	Portage	
P18A	Preston Nutter Ranch, Sunnyside	
PCU	Price	
PPU	Promontory Point	
Q18A	Rafter H Ranch, Green River	
RMU	Rainbow Monument	
RBU	Red Butte Canyon	
T15A	Red Dirt Ranch, Kanab	
RDMU	Red Mountain	
RSUT	Red Spur Mountain	
N16A	Rees Ranch, Coalville	
PEUT	Richfield	
RVUT	Riverside	
ROA	Roan Cliffs	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
RHU	Roosevelt Hot Springs	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RCJ	Ross Creek	
T13A	Saint George	
WDO	Saint George	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SAU	Saltair	
SLC	Salt Lake City	
SRU	San Rafael Swell	
SCUT	Santa Clara	
SNQU	Santaquin	
SUU	Santaquin Canyon	
Q14A	Sevier Lake (BLM), Delta	
SCU	Sheep Canyon	
M14A	Sheep Mountain BLM, Rosette	
SZCU	Shurtz Canyon	
SNO	Snow College	
AIUT	Southern Antelope Island	
SAIU	Southern Antelope Island	
SPUT	South Promontory Point	
O16A	Springville	
SQU	Squaw Peak	
SBU	Stansbury Island	
N15A	Stansbury Island BLM, Grantsville	
SNU	Stansbury North	
SNUT	Stansbury North	
SGU	Sterling	
SGSU	St. George Fire Station	
SUN	Sunnyside	
SMU	Sunnyside Mine	
R16A	Teasdale	
O15A	The Old Anderson's Place, Rush Valley	
TCRU	Three Creeks Reservoir	
TCVU	Timpanogos Cave	
TCUT	Toone Canyon	
TMUT	Trail Mountain	
UBO	Uinta Basin Array	
CAPU	Utah State Capitol	
VLU	Vernal	
VNL	Vernal	
VN-	Vernal	VN-UT
VN-UT	Vernal	
WW-UT	Wah Wah Mountains	
WW-	Wah Wah Mts	WW-UT
WCO	Washington City	
REUT	Washington Fields	
WBC	Weber Canyon	
WVUT	Wellsville	
S16A	Weppner Ranch, Escalante	
WTU	Western Traverse Mountains	
WMU	West Mountain	
WMUT	West Mountain	
Q13A	Wheeler Ranch, Garrison	
WHU	Wild Horse	
WLD	Wild Horse Canyon	
WLJ	Wildlife	
WCU	Willow Creek	
ZNPU	Zion National Park	
Vermont		
BLVT	Baltimore	
BUR	Burlington	
J61A	Chester	
COV	Colchester	
DVT	Derby	
FLET	Fletcher	
FLE	Fletcher	FLET
HBVT	Hinesburg	
IVT	Ira	
H61A	Lyndonville	
MARL	Marlboro	
MDV	Middlebury	
MCVT	Middlebury College	
MGVT	Montgomery	
MPVT	Montpelier	
H60A	Morristown	
NRT	Northfield	
I61A	Oroboro, Fairlee	
I60A	Shoreham	
VT1	Waterbury	
Virginia		
S61A	Accomac	
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BI-	Big Stone Gap	BI-VA
BI-VA	Big Stone Gap	
BLA	Blacksburg	
BAV	Blacksburg	
R56A	Bull Pasture Mountain, McDowell	
CVRD	Centerville Road, Mineral	
CVVA	Charlottesville	
CVL	Charlottesville	
CTV	Charlottesville	
CLT	Charlottesville	
CVV	Charlottesville	CVL
CI-	Clintwood	CI-VA
CI-VA	Clintwood	
CNV	Corbin	CBN
CBN	Corbin Fredericksburg Observatory	
IP01	Cuckoo	
CCVA	Cudjo Caverns	
CG-	Cumberland Gap	CG-VA
CG-VA	Cumberland Gap	
S57A	Dark Hollow, Roseland	
T59A	Double "B" Farms	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
FRV	Farmville	
Q58A	Fox Den Farm, The Plains	
FTV	Front Royal	
GSR	Geological Survey, Reston	
GHV	Goochland	
T58A	Grand View Acres	
IP04	Greensprings	
GD-	Grundy	GD-VA
GD-VA	Grundy	
HBV	Harrisonburg	
IP05	Hopewell Church	
T57A	Hurt	
JSRW	J. Sargeant Reynolds Community College	
KMV	Keen Mountain	
R59A	King George, VA	
LEX	Lexington	
IP03	Louisa	
S59A	Mechanicsville	
R58B	Mineral	
NAV	Narrows	
S56A	Natural Bridge	
NA11	North Anna	
NA2	North Anna	
NA5	North Anna	
NA12	North Anna	
NV1	North Anna 1	
NV2	North Anna 2	
NV3	North Anna 3	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
PTRD	Partlow Road	
PBV	Petersburg	
PLVA	Point Lookout	
S58A	Poland Farm, Powhatan	
VWV	Potts Mountain	
ELN	Prospectdale	
T55A	Pulaski	
PUV	Pulaski	
IP07	Quail	
RCRC	Randolf College Riding Center, Lynchburg	
R58A	Rapidan	
T56A	Rocky Mt	
SU-VA	Schuyler	
SU-	Schuyler	SU-VA
SPFD	Spotsylvania Fire Department	
SPRD	Spring Road, Mineral	
R57A	Stanardsville	
Q57A	Strasburg	
T60A	Surry	
T54A	Tazewell	
URVA	University of Richmond	
VBV	Virginia Beach	
VWCC	Virginia Western Community College	
WMV	Walker Mountain	
S60A	Water View	
T53A	Wise	
IP06	Yanceyville	
Washington		
ALCT	Alcott Elementary School	
ALKI	Alki Wastewater Plant ANSS-SMO	
APW	Alpha Peak	
ALD	Alter Ridge	
F04A	Amboy	
ATES	Arlington Trafton Elementary School	
ACES	Army Corps of Engineers Seattle ANSS	
APM	Augspurger Mountain	
BDG	Badger Mountain	
BABE	Bainbridge School	
BLH	Bald Hill	
BFW	Baw Faw Mountain	
BLL	Bellingham	
RBEN	Benson Hill Elementary School	
BENWA	Benson Ranch	
BVW	Beverly	
BLTW	Bickleton	
BRVW	Black Rock Valley	
BW-WA	Blewett	
BW-	Blewett	BW-WA
BLN	Blyn Mountain	
BEVT	Boeing Everett	
BSFP	Boeing Fire Protection	
BMW	Boistfort Mountain	
C04A	Brinnon	
BRKS	Brookside Elementary School	
B05A	Bryant	
MURR	Camp Murray	
CPW	Capitol Peak	
CC-WA	Cascade Tunnel	
CDFW	Cedar Flats	
CDMR	Cedar Moraine	
CBW	Chelan Butte	
CBSW	Chelan Butte South	
B10A	Chitwood Farm, Usk	
C09A	Chrisman Ranch, Davenport	
E04D	Cinebar	
D06A	Cle Elum	
KDKW	Coast Env Seattle	
B201	Coldwater, Mount Saint Helens	
CLW	Colville	
B08A	Colville Reservation, Omak	
CE-WA	Concrete	
CE-	Concrete	CE-WA
CNL	Connel	
CRF	Corfu	
CWZ	Cowlitz River	
CZM	Crazy Man Mountain	
CSEN	Crystal Springs Elementary School	
CMW	Cultus Mountains	

Code	*Station Name*	*Other*
A09A	Danville	
DVW	Davenport	
DPW	Davenport	
E08A	Dider Farm, Eltopia	
D04A	Dobbs Creek Ranch, Lacey	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
ESD	East Dome	
EARN	East Ridge Elementary School	
ELW	Echo Lake	
D03D	Eldon	
ERK	Elk Rock	
EBG	Ellensburg	
EL-	Ellensburg	EL-WA
EL-WA	Ellensburg	
ET3	Eltopia	
ET2	Eltopia	
ETP	Eltopia	
ETW	Entiat	
D05A	Enumclaw	
EPH	Ephrata	
EPW	Ephrata	
EUW	Eureka	
EVCC	Everett College ANSS-SMO	
EVGW	Everett Gateway Middle School ANSS-SMO	
EGRN	Evergreen College	
FTW	Fairmont	
FPW	Fields Point	
FINN	Finn Hill Junior High School	
FL2	Flat Top 2	
FHE	Frenchman Hills East	
GBB	Gable Butte	
GBL	Gable Mountain	
GHW	Garrison Hill	
GTWN	Georgetown Playfield ANSS-SMO	
GLK	Glacier Lake	
GC-	Glacier Peak	GC-WA
GPW	Glacier Peak	
GC-WA	Glacier Peak	
F06A	Goldendale	
GMW	Gold Mountain	
GCW	Grand Coulee	
GSM	Grass Mountain	
MGOO	Greenacres	
GNW	Green Mountain	
GRCC	Green River Community College BBO	
GULW	Guler Mountain	
HAN	Hanford	
HAWA	Hanford	
HGB	Hanford Gable Butte	
HART	Harbor Island ANSS-SMO	
HTW	Haystack Lookout	
RHAZ	Hazelwood Elementary School	
C08A	Higginbotham Farm, Almira	
HICC	Highline Community College ANSS-SMO	
HOLY	Holy Rosary School	
HDW	Hoodsport	
HHH	Horse Heaven Hills	
HSW	Hot Spot	
HUBA	Hudson Bay High School ANSS-SMO	
NIHS	Ingelmoor High School	
JCW	Jim Creek	
SSS1	John Stanford Center Downhole Anss-SM	
D09A	Jones Farm, Ritzville	
JRO	Jston Ridge Obs	
JLK	June Lake	
B941	Kapowsin	
KE-WA	Kennewick	
KE-	Kennewick	KE-WA
KNEL	Kent Elementary ANSS-SMO	
KIMB	Kimball Elementary School	
TKCO	King County	
KIMR	Kitsap County Moderate Risk Waste Facility	
KINR	Kitsap County North Road Shed	
KITP	Kitsap County Wastewater Treatment Plant	
KOSW	Kosmos	
LMW	Ladd Mountain	
D04D	Lakebay	
D04E	Lakebay	
LVP	Lakeview Peak	
LW-WA	Lake Wenatchee	
LW-	Lake Wenatchee	LW-WA
LSW	Landslide	
LAWT	Lawton Elementary School	
C06D	Leavenworth	
E03A	Lebam	
A04A	Legoe Bay, Lummi Island	
LEOT	Leota Junior High School	
LTY	Liberty	
LOCW	Locke Island	
LON	Longmire	
LCW	Lucas Creek	
A04D	Lummi Island	
LYW	Lyman	
LY-WA	Lynden	
LYNC	Lynnwood City Hall ANSS-SMO	
MNWA	Manchester	
A05A	Maple Falls	
MPL	Maple valley SMO-IDS24	
B06A	Marblemount	
MARYW	Marymoor Park	
MAY	Mayfield	
MJ2	May Junction 2	
MEW	McNeil Island	
MEAN	Meany Midle School ANSS-SMO	
MEGW	Megler CREST BB SMO	
MDW	Midway	
MBPA	Monroe Substation	
B017	Montesano	
ASR	Mount Adams--Stagman Ridge	
MBW	Mount Baker	
MU-WA	Mount Baker	
MCW	Mount Constitution	
ERW	Mount Erie	
FMW	Mount Fremont	
MTMW	Mount Mitchell	
RCM	Mount Rainier--Camp Muir	
RCS	Mount Rainier--Camp Schurman	
REMR	Mount Rainier--Emerald Ridge	
RSU	Mount Rainier--Summit	
RVC	Mount Rainier--Voight Creek	
SHW	Mount Saint Helens	
VALT	Mount Saint Helens Crater	
MSH11	Mount St. Helen	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MXC	Moxie City	
MU-	Mt Baker	MU-WA
E10A	Myers Farm, Uniontown	
NAC	Naches	
NBW	Neah Bay	
NLWA	Neilton Lookout	
NLW	Nelson Butte	
GL2	New Goldendale	
NEW	Newport	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
NOWS	NOAA--Sand Point	
A10A	Northport	
OHW	Oak Harbor	
OBSR	Observation Rock	
OCWA	Octopus Mountain	
OOW	Octopus West	
ODS	Odessa	
OD2	Odessa Site #2	
OCP	Olym-Cheeka Pk	
OFR	Olym-F Res Ctr	
OLW	Olympia	
OPC	Olympic Penn College CREST BB SMO	
OBC	Olympics--Bonidu Creek	
OBH	Olympics--Burnt Hill	
OFK	Olympics--Forks	
OLQ	Olympics--Lake Quinault	
ONR	Olympics--North River	
ON2	Olympics--North River	
OSR	Olympics--Salmon Ridge	
OSD	Olympics--Snow Dome	
OSP	Olympics--Sooes Peak	
OTR	Olympics--Tyee Ridge	
OMW	Omak	
E04A	Onalaska	
OTH	Othello	
OT2	Othello	
OT3	Othello 3	
PANH	Panhandle Gap, Mount Rainier	
PATW	Paterson	
PAT2	Paterson 2	
F07A	Phinny Hill Vineyards, Prosser	
PIER	Pier 30 Seattle	
PCEP	Pierce County East Precinct	
PCFR	Pierce County Firing Range	
PCMD	Pierce County Mountain Detachment	
PNLK	Pine Lake Middle School	
PH-WA	Pomeroy	
B04A	Port Angeles	
PGW	Port Gamble	
PRW	Prosser	
PSNS	PSNS Bremerton SMO	
PAYL	Puyallup School ANSS-SMO	
B203	Quarry, Mount Saint Helens	
QAW	Queen Anne	
B013	Quilcene	
C03A	Quillayute Airport, Forks	
D07A	Quincy	
RAFT	RAFT	
RAIO	Rainier	
E05A	Randle	
RWW	Ranney Well	
RSW	Rattlesnake Hills	
RATT	Rattlesnake Lake	
RMW	Rattlesnake Mountain	
RAW	Raver	
B019	Raymond	
REDWA	Red Mountain	
REMW	Rembrandt	
B09A	Rice	
RCW	Richland	
RRHS	Rochester High School	
RPW	Rockport	
RPK	Roosevelt	
RVW	Rose Valley	
ROSS	Ross	
RC1	Royal City	
SDL	Saddle Mountain	
SAW	Saint Andrews	
P403	Sandy Floe Quarry	
SEA	Seattle	
STT	Seattle	
SEND	SEND	
SEPW	September Lobe	
SQM	Sequim	
SPW	Seward Park	
SP2	Seward Park 2	
SCW	Sherman Crater--Mount Baker	
SCCW	Shoreline CC	
SHUK	Shuksan-Mt. Baker Ski Area	
SBES	Silver Beach Elementary School	
SVOH	Skagit Valley Community College	
	ANSS SMO	
SYR	Smyrna	
SNIWA	Snively Ranch	
SOSW	Source of Smith Creek	
SMW	South Mountain	
HSR	South Ridge	
SWFL	Southwest Flank Mount Saint Helens	
SWID	South Whidbey SD ANSS-SMO	
C10A	Spilker Farm, Colbert	
SPN5	Spine 5 MSH Spider	
SPO	Spokane	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SHLY	Spokane Temp K2 (Swanson)	
STW	Striped Peak	
STD	Studebaker Ridge	
BOLM	Sugar Bowl	
SLFW	Sugar Loaf	
SMNR	Sumner High School ANSS-SMO	
E07A	Sunnyside	
TBM	Table Mountain	
TBPA	Tacoma Substation	
C06A	Tall Timber Ranch, Leavenworth	
TWW	Teanaway	
C05A	Tolt Reservoir	
TTW	Tolt Reservoir	
TK-	Tonasket	TK-WA
TK-WA	Tonasket	
TR-WA	Toppenish Ridge	
TRW	Toppenish Ridge	
TDL	Tradedollar Lake	
TUM	Tumwater	
A08A	Turner Farm, Oroville	
SVTR	Two Rivers School, Snoqualmie Valley	
UPS	University of Puget Sound	
UWFH	University of Washington Friday Harbor	
VTG	Vantage	
VT2	Vantage 2	
VVHS	Vashon High School SMO	
D10A	Wagner Farm, Oakesdale	
WAH	Wahluke	
WAH2	Wahluke Slope	
WWHS	Walla Walla High School ANSS SMO	
WGW	Wallila Gap	
WG3	Wallula Gap	
WG2	Wallula Gap	
WRD	Warden	
H2OWA	Water	
C07A	Waterville	
WTV	Waterville	
WNS	Wenas	
WNW	Wenatchee	
WEN	Wenatchee	WNW
WRW	Wenatchee Ridge	
WBL	White Bluff	
WPW	White Pass	
F05D	White Salmon	
F05A	White Salmon	
WISC	Wilburton Instructional Services Center	
WBW	Wilson Butte	
B202	Windy Ridge, Mt. St. Helens	
B07A	Winthrop	
WISH	Wishkah	
D03A	Wishkah Elem. School, Wishkah	
D08A	Wollman Farm, Schrag	
WIW	Wooded Island	
E09A	Wood Farm, Starbuck	
YA2	Yakima	
YAKW	Yakima	
E06A	Yakima	
YA-	Yakima	YA-WA
YA-WA	Yakima	
YPT	Yellepit	
YEL	Yellow Rock	
West Virginia		
AB-	Amboy	AB-WV
AB-WV	Amboy	
BL-WV	Beckley	
BL-	Beckley	BL-WV
Q55A	Buckhannon	
BZ-WV	Buckhannon	
BZ-	Buckhannon	BZ-WV
P54A	Burton	
Q54A	Coxs Mills	
CX-	Craigsville	CX-WV
CX-WV	Craigsville	
P56A	Dayton Farm, Ripley	
S54A	Dingess, Beckley	
ER306	Early Rise 306	
ER307	Early Rise 307	
FWV	Forest Hill	
FN-	Franklin	FN-WV
FN-WV	Franklin	
GBV	Green Bank	
HWV	Hinton	
P57A	Homestead Farm, Martinsburg	
R53A	Hurricane	
Q53A	Leroy	
S55A	Lewisburg	
R55A	Marlinton	
MCWV	Mont Chateau	
MRG	Morgantown	
PX-	Philippi	PX-WV
PX-WV	Philippi	
PE-WV	Pineville	
PE-	Pineville	PE-WV
PWV	Princeton	
RN-WV	Rainelle	
RN-	Rainelle	RN-WV
P55A	Reedsville	
Q56A	Snyder Ridge, Maysville	
R54A	Victor	
S53A	Williamson	
Wisconsin		
G41A	Antigo	
AO-	Argonne	AO-WS
AO-WS	Argonne	
I41A	Arkdale	
H39A	Augusta	
AR-	Aurora	AR-WS
AR-WS	Aurora	
BA-	Baldwin	BA-WS
BA-WS	Baldwin	
K43A	Burlington	
H40A	Chili	
CF-	Colfax	CF-WS
CF-WS	Colfax	
J42A	Columbus	
COWI	Conover	
CN-WS	Cornell	
CN-	Cornell	CN-WS
I42A	Draeger Farm, Ripon	
F37A	Hinrichs Farm, Grantsburg	
G39A	Holcombe	
JFWS	Jewell Farm	
H41A	Junction City	
I43A	Langenfeld Brothers Farm, Elkhart Lake	
J41A	Loganville	
F39A	Loretta	
WI03	Lunz Road, Clintonville	
MDS	Madison	
H38A	Maiden Rock	
F42A	Maple Grove Farm, Niagara	
WI01	McKinley Avenue, Clintonville	
MF-WS	Medford	
MF-	Medford	MF-WS
E39A	Mellen	
MLW	Milwaukee	
G42A	Mountain	
J43A	Natural Harvest Farm, Hartford	
NG-	Niagara	NG-WS
NG-WS	Niagara	
I40A	Norwalk	
F40A	Park Falls	
F38A	Pierce - Schroeder Farm, Trego	
K42A	Prairie Point, Evansville	
WI02	Reinke Road, Clintonville	
G40A	Rib Lake	
RL-	Rib Lake	RL-WS
RL-WS	Rib Lake	
RLW	Rice Lake	
G38A	Ridgeland	
WI04	River Road, Clintonville	
H42A	Shiocton	
K41A	Shullsburg	
J40A	Soldiers Grove	
E38A	The Farm, Brule	
F41A	Three Lakes	
TM-	Tomahawk	TM-WS
TM-WS	Tomahawk	
UWM	University of Wisconsin at Milwaukee	
H43A	Windswept, Luxemburg	
Wyoming		
I22A	9 Mile Ranch, Kaycee	
K19A	Absolon Red Butte, Lander	
K21A	Alcova	
ALPW	Alpine	
K24A	Anderson Ranch, Keeline	
ANGW	Angle Mountain	
AVOW	Apres Vouz Peak	
BEAW	Beaver Mountain	
YPBE	Bechler	
H21A	Big Horn, Sheridan	
I21A	Big Trails, Ten Sleep	
BDW	Boulder	
PD06	Boulder Array	BW06
BW06	Boulder Array Site 6	
K23A	Bowen Ranch, Douglas	
YPBR	Bridge Bay	
J17A	Brown Place, Jackson	
CJW	Canyon Junction	
YPCJ	Canyon Junction	
K22A	Casper	
M22A	Cedar Creek Ranch, Saratoga	
M24A	Cheyenne	
CY-WY	Cheyenne	
CY-	Cheyenne	CY-WY
H23A	Clabaugh Cattle Company, Gillette	
H22A	Clearmont	
L17A	Cokeville	
COLW	Colter Canyon	
J19A	Crowheart	
I18A	Diamond G Ranch, Dubois	
J23A	Dilts Ranch, Bill	
H24A	Dirks Ranch, Alva	
J24A	Dixon Ranch, Lance Creek	
YPEE	East Entrance	
L22A	Ellis Ranch, Medicine Bow	
L19A	Farson	
FLWY	Flagg Ranch	
L18A	Fontenelle, Green River	
FXWY	Fox Creek	
K17A	Gardner Place, Afton	
L23A	Garrett	
TARW	Grand Targhee Resort	
H17A	Grant Village	
YPGV	Grant Village	
H20A	Greybull	
HK-	Hawk Springs	HK-WY
HK-WY	Hawk Springs	
HAYW	Haystack Fork	
YHH	Holmes Hill	
YPHS	Hot Springs Basin	
IMW	Indian Meadow	
JLDW	Jackson Lake Dam	
YJC	Joseph's Coat	
KSWY	Kelly School	
J18A	Kendall Valley, Cora	
I24A	Kuemmerle Ranch, Upton	
LKWY	Lake	
YPLB	Lake Butte	
YPLA	Lake Butte	
YPLK	Lake Junction	

Code	Station Name	Other
M23A	Laramie	
LAR	Laramie	
YLT	Little Thumb Creek	
LOHW	Long Hollow	
M18A	Lyman	
J21A	Lysite	
MJW	Madison Junction	
YMR	Madison River	
MHS	Mammoth Hot Springs	
YMV	Mammoth Vault	
YMC	Maple Creek	
YML	Mary Lake	
YPML	Mary Lake	
I23A	Meade Ranch, Gillette	
I19A	Meeteetse	
J22A	Midwest	
YMP	Mirror Lake Plateau	
MOOW	Moose Ponds	
YMS	Mount Sheridan	
MVW	Mud Volcano	
YNB	Natural Bridge	
NJW	Norris Junction	
YNR	Norris Junction	
YPOF	Old Faithful	
YFT	Old Faithful	
PACW	Pacific Creek	
M25A	Palm-Egli Farm, Albin	
YPPC	Pelican Cone	
I17A	Pilgrim Ck.	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PI-WY	Pinedale	
PI2	Pinedale	
PI3	Pinedale	
PIN	Pinedale	
PI6	Pinedale	
PI4	Pinedale	
PI7	Pinedale	
PI-	Pinedale	PI-WY
PI2WY	Pinedale	
PI5	Pinedale	
PI1	Pinedale	
PDAR	Pinedale Array Beam Ref. Point	
PD01	Pinedale Array Site 1	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD31	Pinedale Array Site 31	PDAR
PD32	Pinedale Array Site 32	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
YPP	Pitchstone Plateau	
PM-WY	Pole Mountain	
PMW	Pole Mountain	
PM-	Pole Mt.	PM-WY
H19A	Powell	
YPM	Purple Mountain	
RAMW	Rammel Mountain	
L21A	Rawlins	
RWWY	Rawlins	
REDW	Red Top Meadow	
M19A	Rock Springs	
M17A	Scullys Gap (BLM), Evanston	
M21A	Separation Peak, Rawlins	
H18A	Shoshone NF, Cody	
J20A	Shoshoni	
SNOW	Snow King Mountain	
YPSB	Soda Butte	
YPSE	South Entrance	
STEW	Steamboat Mountain	
M20A	Sweetwater, Wamsutter	
TPAW	Teton Pass	
YTP	The Promontory	
TL-WY	Thermopolis	
K18A	Toltan Ranch, Big Piney	
YTC	Trail Creek	
TRXW	Triangle-X Ranch	
YPTB	Twin Buttes	
YUF	Upper Falls	
WUWY	Wally Ulrich	
L20A	Wamsutter	
WTW	West Thumb	
L24A	Wheatland	
I20A	Worland	
WYO	Wyoming Array	
WY0	Wyoming Array	WYO
YNM	Yellowstone Norris Museum	
K20A	Yellowstone Ranch, Lander	

PACIFIC OCEAN/OCEANIA

Cook Islands

MNHK	Manihiki	
NUE	Niue	
RAR	Rarotonga	
TG-	Tongareva I.	TG-IS
TG-IS	Tongareva Island	

Fiji

BQA	Beqa	
MBU	Bua	
NDE	Delaikoro	
NGA	Galoa	
KDV	Kandavu Island	
KRO	Koro	
LBSA	Labasa	
MGO	Magodro	
MSV	Monasavu	
NAF	Naboro	
NDF	Nadi	
NMS	Namosi	
NAS	Nasaqa	
NHF	Nausori Highlands	
GAU	Ngau Island	
MSVF	Nonsavu	
OVA	Ovalau	
SGE	South Ridge	
SVA	Suva	
SUV	Suva	
TVI	Taveuni	
UDU	Undu Point	
NMF	Viti Levu	
VDW	Vunidawa	
VUN	Vunikawai	
YSA	Yasawairara	

France

Gambier Islands

RKT	Rikitea	

French Polynesia

Moorea

AFR	Afareaitu	

Society Islands

MEH	Mehetia	
TIAR	Tiarei	

Tahiti

PAE	Paea	
PPTF	Pamatai, Papeete	
PPT	Papeete	
THT	Papeete	
PPT2	Papeete2	
PPN	Papenoo	
TAH	Tahiti	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
TVO	Taravao	

Tuamotu

AMN	Amanu	
FRT	Faratahi	
NAE	Nake (Tuamotu)	
OTP	Otepa	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
RUV	Rauvai	
TPT	Tiputa	
VAH	Vaihoa	

Tubuai

TBI	Tubuai	

Kiribati

XMAS	Kiritimati	

Kiribati (Gilbert Islands)

TARA	Tarawa	

Line Islands

FAN	Fanning Island	
JN-	Johnston I.	JN-IS
PR-	Palmyra I.	PR-IS
PR-IS	Palmyra Island	

Phoenix Islands

KNTN	Kanton	

Mariana Islands

AGRI	Agrihan Island	
ALMG	Alamagan	
ANAT	Anatahan	
ANA2	Anatahan	
AFOK	Anatahan S. Rim	
GUAM	Guam	
GUA	Guam	
GUMO	Guam	
NMCC	Northern Marianas College	
PAGN	Pagan	
PAGV	Pagan Volcano	
PJG	Potts Junction	
SAPN	Saipan	
SARN	Sarigan	

Marquesas archipelago

I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
TAOE	Nuku Hiva Island	

Marshall Islands

EW-IS	Eniwetok	
EW-	Eniwetok	EW-IS
KWAJ	Kwajalein Atoll	

Micronesia

Caroline Islands

PATS	Pohnpei	
TRU	Truk	

New Caledonia

Loyalty Islands

LIFNC	LIFOU	
MARNC	Mare, Loyalty Islands, New Caledonia	
OUA	Ouanaham	
KOU	Koumac	
KOUNC	Koumac, New Caledonia	
YATNC	Mamie plateau, Yate, New Caledonia	
PLUM	Mont Dore	
DZM	Mont Dzumac	
MVNO	Noumea	
NOC	Noumea	
NORM	Noumea	
NOU	Noumea	
ONTRN	Noumea	
LASL	Noumea	
OUENC	Ouen Island, New Caledonia	
ONTNC	Ouen Toro	
PINNC	Pines Island, New Caledonia	
NOUC	Port Laguerre	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
BAYA	Yate Dam	

North Pacific Ocean

Guatemala Basin

GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB01	Guatemala OBS 1	
H2O	Hawaii-2 Observatory	

Palau

Caroline Islands

KOR	Koror	
PLA	Palau	
PALU	Palau	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	

Pitcairn Island

PTCN	Pitcairn Island	

Samoa Islands

AFI	Afiamalu	
API	Apia	

Tonga

NIU	Niumate	
NUK	Nuku'alofa	
TEK	Teekin	
TNGT	Tongatapu	
VAVA	Vava'u	

Tuvalu (Ellice Islands)

FUNA	Funafuti	

U.S.A.

Johnston Island

JOHN	Johnston Island	
JN-IS	Johnston Island	

Midway Islands

MDY	Midway	
MIDW	Midway	

Wake Island

WKE	Wake	
WAKE	Wake Island	
H11N1	WAKE ISLAND Hydroacoustic Site N1	
H11N2	WAKE ISLAND Hydroacoustic Site N2	
H11N3	WAKE ISLAND Hydroacoustic Site N3	
H11S1	WAKE ISLAND Hydroacoustic Site S1	
H11S2	WAKE ISLAND Hydroacoustic Site S2	
H11S3	WAKE ISLAND Hydroacoustic Site S3	

Vanuatu

BKM	Butte a Klehm	
DVP	Devils Point	
EME	Emae	
EPI	Epi	
INH	Isangel	
LMP	Lamap	
LNR	Lonorore	
LUG	Luganville	
MBV	Mont Bernier	
PVC	Port Vila	
RTV	Rentapao	
SANVU	Saraoutou	
SWB	Southwest Bay	
TANV	Tanna	
VLN	Vanua Lava	

SOUTH AMERICA

Antofagasta

AF01	San Pedro de Atacama	

Argentina

TRQA	Tornquist	

Buenos Aires

BAA	Buenos Aires	
CCR	Chacarita	
LPA	La Plata	
MGBA	MARTIN GARCIA	
VBA	Sierra Ventana	

Catamarca

ANL	Andalgala	
CYA	Choya	

Chubut

TRWA	Trelew	

Cordoba

BOS	Bosque Alegre	
PIL	Pilar	
SUCO	SUCO	
TCA	Tanti	

Jujuy

HJA	Humahuaca	
JUJ	Jujuy	
LQA	La Quiaca	
ASTB	Santa Barbara	
YJA	Yavi	
AZAP	Zapla	

La Rioja

AANI	Anillaco	
ACLC	CERRO LA CRUZ	
ACHE	Chepes	
CCT	Chilecito	
AGUA	GUANDACOL	
RTPR	Patquia	
APLL	PUNTA DE LOS LLANOS	
AVFE	Valle Fertil	
VCA	Vinchina	

Mendoza

AAGR	Agrelo	
ARCO	CERRO ARCO	
COIS	El Sosneado	
EDS3	Malargue	
PUMA	Malargue	
MAA	Manantiales	
MDZ	Mendoza	
MEN	Mendoza	
ASAL	Salagasta	
RFA	San Rafael	
UTNM	Universidad Technlogica Nacional Mendoza	
AUSP	Uspallata	
AVIZ	Vizcacheras	

Misiones

EDMA	Eldorado	

Neuquen

CANA	Caviahue	
GO06	Curarrehue	

Patagonia

COYC	Coyhaique	
SCA	Santa Cruz	

Rio Negro

CIP	Cipolletti	
PLCA	Paso Flores	

Salta

AASA	Agas	
FSA	Cafayete	
AQCC	Dique - Cabra Corral	
AERF	Escuela - Rosario de la Frontera	
AIPV	Ipv	
ALOL	LOMAS DE OLMEDO	
ALUM	Lumbreras	
SLT	Salta	
AHLV	Sanatorio - la Vina	
SLA	San Lorenzo	
TSA	Tranquitos	

San Juan

RTBS	Barreal	
RTCB	Cerro Blanco	
BCO	Cerro Blanco	RTCB
ACCO	Cerro Coronel	
CEN	Cerronegro	
VAA	Cerro Valdivia	RTCV
RTCV	Cerro Valdivia	
RTLL	Cerro Villicun	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
ACDV	Cuesta del Viento	
HLN	Hualilan	
RTLS	Leoncito	
LEO	Leoncito	
AMAR	Marayes	
RTMQ	Marquesado	
AMOG	MOGNA	
AMLC	Mogote Corralitos	
PPA	Pie de Palo	
AROD	Rodeo	
RTRS	Rodeo	
SJA	San Juan	
ZON	Zonda	

San Luis

ACAN	Cantantal	
MRA	San Martin	

Santa Fe

HSFA	Helvecia	

Santiago del Estero

SDE	Santiago Estero	TPA
TPA	Tala Pozo	

Tierra del Fuego

DSPA	Despedida	
TRVA	Ter de Rio Valdez	
USHU	Ushuaia	
USHA	Ushuaia	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	

Tucuman

AHML	Horco Molle	
TCM	Tucuman	

Bio-Bio

BI04	Isla Mocha	
LAJA	Laja	
BI02	San Fabiˆ¡n de Alico	
BI03	Tigo	

Bolivia

COLL	Andarivi	
BS06	Camiri	
BB05	Carapari	
BB07	Casarave	
CNCB	Chanca	
CHIT	Chita	
CHUQ	Chuquichambi	
BS01	CO. Balcˆ‡n	
CCH	Cochabamba	
COLO	COLO	
BS10	CO. Tuti	
CRISS	CRISS	
CRUZ	CRUZ	
BS05	Cuyupaya	
DSG	Desaguadero	
DOOR	DOOR	
HIZO	HIZO	
BS09	Huarina	
ITIT	Ipitacuapi	
BB02	La Guardia	
LAJO	La Joya	
LZ-	La Paz	LZ-BV
LZ-BV	La Paz	
LPAZ	La Paz	
LPB	La Paz	
BBOB	La Paz, Banderani	
BBOE	La Paz, Chanca	
BBOD	La Paz, Gloria	
BBOJ	La Paz, Jacaque	
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
LIRI	LIRI	
MOCB	Mochara	
BS03	Mojotorillo	
BB01	Montecillos	
PACHH	PACH	
BS02	Patallajta	
PNS	Penas	
PICHH	PICH	
POOP	Poopo	
BB08	Puerto Suarez	
RAUL	RAUL	
RTA	Riberalta	
ROSL	ROSL	
SALII	SALI	
SMB	Samaipata	
LPZ	San Calixto	
BS07	San Felipe	
SIV	San Ignacio	
BB03	San Joaquˆ›n	
SCHO	SCHO	
SICA	Sicasica	
SCS	Sicasica	
SUC	Sucre	
TACA	TACA	
BB04	Tambo Quemado	

Code	*Station Name*	*Other*
TRJ	Tarija	
BATO	Ticaya	
TPZ	Tupiza	
UYUN	Uyuni	
BS08	Valle Grande	
BS04	Villa Nueva	
BB06	Yocalla	
YUNZ	YUNZ	
ZLP	Zongo (La Paz)	ZOBO
ZOBO	Zongo (La Paz)	
Brazil		
Acre		
CZSB	Cruzeiro do Sul	
RIOB	Rio Branco	
Alagoas		
NBAN	Anadia - AL	
NVLB	Novo Lino, Alagoas, Brazil	
XIN	Xingo	
Amazonas		
TBTG	Tabatinga, AM	
Bahia		
NBCP0	Cabaceiras do Paraguassu - BA	
NBCP	Cabaceiras do Paraguassu - BA	
NBIT	Itapeh - BA	
PDCR	Pedra do Cavalo	
NBPN	Ponto Novo - BA	
SDBA	SAO DESIDERIO	
SOB4	Sobradinho	
SOB2	Sobradinho	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB3	Sobradinho	
ABR01	Abrolhos, BA	
AREB	Areado	
ASPSP	Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	
BOAV	Boa Vista	
CMC01	Camacan, BA	
CMPB	Campos	
ITAB	Concordia	
DIAM	Diamantina, MG	
FNDO	Fernando de Noronha	
GDU01	Guandu, BA	
NAN01	Guarapari, ES	
GUA01	Guaratinga, BA	
MACA	Manacapuru-AM	
NATB	Natividade	
PTGA	Pitinga	
POPB	Porto Primavera	
SPB	Sao Paulo	
BAUB	UHE Balbina	
Ceara		
NBCL	Cascavel-CE	
FOR1	Fortaleza - CE	
CS6B	Jaguaretama	
NBMO	Morrinhos-CE	
NBMA	Muriti-CE	
OCBR	Ocara	
ET03	Palhano	
NBPB	Pedra_Branca-CE	
SBBR	Sobral	
Distrito Federal		
BAE	Brasilia	
BDFB	Brasilia	
BCS*	Brasilia Array	
BAO	Brasilia Array Centre Point	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASE	Brasilia Array Site SE	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
BDF	Brasilia (W)	
Espirito Santo		
BSFB	Barra de Sao Francisco	
CAM3	Guarapari	
ALF01	Guarapari-ES	
RIB01	Linhares ES	
Goias		
COR2	Caldas Novas	
CAN3	Cana Brava	
IPMB	Ipameri, GO	
JATB	Jatai	
RET9	Novo Planalto, GO, Brazil	
RET8	Sˆ£o Miguel do Araguaia, GO, Brazil	
SSV2	Sao Salvador	
SFA1	Serra Facao	
BAT2	UHE Batalha	
CAN1	UHE Cana Brava	
Maranhao		
ROSB	Rosˆ¡rio	
BESB	Sao Joao Dos Patos	
PAL2	UHE Estreito - MA/TO	
Mato Grosso		
AQDB	Aquidauana	
ARAG	Araguaiana, MT - Brazil	
CAMA	Camapuan	
CDSB	Chapadao Do Sul	
CLDB	Colider	
COXM	Coxim-MS Brazil	
FRNC1	Faz. Rancharia - MS	
MSB	Manso	
NVXV	Nova Xavantina-MT	
PRNT	Paranatinga-MT	
PP1B	Ponte de Pedra	
PTLB	Pontes e Lacerda, MT	
PDRB	Porto dos Gaˆ™chos, MT	
PTMB	Porto Murtinho	
RVMB	Rio Verde do Mato Grosso - MS	
SALV	Santo Antonio do Leverger, MT	
SNDB	Serra Nova Dourada	
Minas Gerais		
AGVB	Aqua Vermelha	
ATDB	Astolofo Dutra	
BARB	Barbacena	
BSCB	Bom Sucesso	
BRAS	Brasopolis	
CDCB	Carmo do Cajuru	
ITRB	Iturama	
JANB	Januaria	
JAN03	Januaria	
JAN06	Januaria	
JAN07	Januaria	
JAN08	Januaria	
JAN09	Januaria	
JFO	Juiz de Fora	
MC01	Montes Claros	
MC02	Montes Claros	
MC03	Montes Claros	
MC04	Montes Claros	
MC05	Montes Claros	
MC06	Montes Claros	
MCI6	Montes Claros	
MCI7	Montes Claros	
MCI8	Montes Claros	
MCI9	Montes Claros	
PMNB	Patos De Minas	
SJMB	Sao Joao De Manteninha	
FUN1	UHE Funil - MG	
Para		
ATB	Altamira	
BEB	Belem	
ITTB	Itaituba	
MALB	Monte Alegre	
NPGB	Novo Progresso	
PRPB	Parauapebas	
TUCB	Tucurui	
ATM1	UHE Belo Monte	
BMO2	UHE Belo Monte	
BMO1	UHE Belo Monte	
TUC3	UHE Tucurui	
TUC4	UHE Tucurui	
Paraiba		
NBLI	Livramento-PB	
SLBR	Solanea	
Parana		
ITF4	CHI Itaipu Binacional	
VTF1	CHI Itaipu Binacional	
ITF10	CHI Itaipu Binacional	
FDA4	Foz do Areia	
FDA	Foz do Areia	
FDA5	Foz do Areia	
TIJ01	Guaruva-PR	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
PTGB	Pitanga	
SP7	Salto Pilao - PR	
MAJ01	Sˆ£o Joˆ£o Batista-SC	
TRCB	Terra Rica	
RSTA	Tijuco Alta	
TER01	Tubarˆ£o-SC	
YCA	YACYRETA	
Pernambuco		
AGBLB	Aguas Belas	
CAUB	Caruaru	
NBCA	Caruaru-PE	
GRBR	Gravata	
ITR	Itaparica	
ITR2	Itaparica 2	
ITR5	Itaparica 5	
NBRF	Rio Formoso - PE	
SABR	Sanharo	
AGBR	Sao Joaquim do Monte	
NBTA	Tacaratu-PE	
Piaua		
NBPS	Pedro II - PI	
TRSB	Teresina	
Rio de Janeiro		
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
MAN01	Angra dos Reis-RJ	
BMA	Barra Mansa	
CAM01	Campos-RJ	
DUB01	Friburgo-RJ	
ITA	Itatiaia	
CAM1	Macae	
CAM4	Nova Friburgo	
RDJ	Rio de Janeiro	
TRRB	Tres Rios	
SIM2	UHE Simplicio	
SIM1	UHE Simplicio	
VASS	Vassouras	
VAS01	Vassouras-RJ	
Rio Grande do Norte		
CAI	Caico	
IPA	Ipanguacu	
JC1B	Joao Camara	
JC04	Joao Camara	
JC06	Joao Camara	
JC20	Joao Camara	
JC05	Joao Camara	
NAT	Natal	
NBPA	Parau_RN	
PFBR	Pau dos Ferros	
NBPV	Pedro Velho	
RCBR	Riachuelo	
Rio Grande do Sul		
CPSB	Cacapava Do Sul	
CNLB	Canela	
ITQB	Itaqui	
PLTB	Pedras Altas	
UFRS	Porto Alegre	
Rondonia		
ETMB	Extrema	
SRB	Samuel	
SAML	Samuel	
SAMU	Samuel, RO	
VILB	Vilhena	
Sao Paulo		
VAO2	Atibaia	
BB16B	Bebedouro	
BB19B	Bebedouro	
BB19	Bebedouro	
BEB22	Bebedouro	
BE13	Bebedouro13	
CACB	Caconde	
JAC01	Canaˆ¡ia-SP	
FRTB	Fartura	
IGAB	Igarata	
PET01	Itanhaem-SP	
JUQB	Juquia	
PCMB	Pacaembu	
PARB	Paraibuna	
PPD	Presidente	
RIFB	Rifaina	
RCLB	Rio Claro- Sao Paulo-Brazil	
VAO3	Socorro	
SLP01	Ubatuba-SP	
VAO	Valinhos	
Sergipe		
CRRB	Carira, Sergipe, Brazil	
NBLA	Lagarto - SE	
PCTB	Pacatuba, Sergipe, Brazil	
Tocantins		
RET3	Cariri, TO, Brazil	
CRIB	Cristalandia	
RET6	Dianopolis -TO	
RET2	Formoso do Araguaia, TO, Brazil	
LJDO	Lageado - TO	
RET12	Mateiros - TO	
MCRB	Monte do Carmo	
RET11	Monte do Carmo - TO	
NTVD	Natividade - TO	
RET14	Novo Acordo - TO	
PRNN	Paranan	
RET5	Paranan- TO	
PEXB	Peixe	
RET10	Pium - TO	
PATO	Ponte Alta do Tocantins	
RET1	Porto Nacional, TO, Brazil	
SMTB	Santa Maria do Tocantins	
RET13	S. Felix do Tocantins -TO	
RET4	Sucupira, TO, Brazil	
LAJE	UHE Lajeado	
Chile		
Aconcagua		
ALH	Alicahue	
CTP	Catapilco	
JACH	Jahuel	
Antofagasta		
ANT	Antofagasta	
ANCH	Antofagasta	
CAC	Calama	
CTBN	Caleta Bueno	
CPN1	Cerro Paranal	
PB03	IPOC Station PB03	
PB04	IPOC Station PB04	
PB06	IPOC Station PB06	
PB07	IPOC Station PB07	
PB09	IPOC Station PB09	
PB10	IPOC Station PB10	
LVC	Limon Verde	
CEN1	Los Morros	
MACH	Maria Elena	
MECH	Mejillones	
MEJI	Mejillones	
MIC	Michilla	
MICH	Michilla	
MTZ	Montezuma	
MTQ	Monturaqui	
OAS	Oasis	
OFA	Oficina Alemania	
PECH	Pedro de Valdivia	
PEI	Peine	
QUL	Quillagua	
SLN	Salinas	
SPCH	San Pedro de Atacama	
TCN	Toconce	
TOCH	Tocopilla	
TPL	Tocopilla	
TCP	Tocopilla	
Arica y Parinacota		
AP01	Chacalluta	
Atacama		
CDCH	Caldera	
CLD	Caldera	
CAA	Chanaral	
CRCH	Chaqaral	
CPCH	Copiapo	
CPP	Copiapo	
GO03	Copiapo@15	
ESC	El Salvador	
AC05	El Transito	
HUCH	Huasco	
AC04	Llanos de Challe	
AC02	Maricunga	
AC01	Pan de Azucar	
SDO	Salado	
Bio-Bio		
CCHI	Chillan	
COBQ	Cobquecura	
COCH	Cobquecura	
LLIC	Llico	
CCSP	San Pedro de Concepcion	
Cautin		
PSCH	Puerto Saavedra	
TMU	Temuco	
TEM	Temuco	
VNV	Volcan Villarrica	
TS3	Aisen	
TS2	Aisen	
TS1	Aisen	
TS6	Aisen	
TS4	Aisen	
TS5	Aisen	
ARCH	Arica	
CTRO	CASTRO	
GO01	Chusmiza	
CHRN	Cochrane	
CNTO	Contao	
PUYE	Entre Lagos	
FUTA	Futaleufu@15	
HOCH	Hornopire@15n	
HUAR	Huara	
HUNY	Huinay	
PB05	IPOC Station PB05	
PB12	IPOC Station PB12	
PB13	IPOC Station PB13	
PB14	IPOC Station PB14	
PB15	IPOC Station PB15	
PB16	IPOC Station PB16	
ILCA	Isla Las Cabras	
TIRA	La Tirana	
PINT	Los Pintados	
GO07	Milladeo Hill, Quello@15n	
NEUQ	Neuquen (mine)	
POZO	Pozo Almonte	
CHFR	Pto Chacabuco	
PUEL	Puelo Alto	
AYCH	Puerto Aysen	
PMCH	Puerto Montt	
PATCX	Punta Patache	
AY01	Puyuhuapi	
QLLN	Quello@15n	
TMCH	Temuco	
UNAP	University of Iquique	
AY02	Valle Exploradores	
GO08	Villa O'Higgins	
Concepcion		
U14B	Concepcio@15n	
CONC	Concepcion	
CON	Concepcion	
Coquimbo		
CBCH	Cabildo	
CMCH	Combarbala	
ILCH	Illapel	
LCO	Las Campanas	
LSCH	La Serena	
CHNG	Los Chungos	
VICH	Los Vilos	
OVCH	Ovalle	
TLL	Tololo Astronomical Observatory	
GO04	Tololo Observatory, Vicun@16a	
VACH	Vallenar	
Easter Island		
EIC	Easter Island	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
PSC	Isla de Pascua	
RPN	Rapa Nui	
Juan Fernandez Islands		
IJF	Islas Juan Fernandez	
H03N1	Juan Fernandez Island Hydroacoustic Site N1	
H03N2	Juan Fernandez Island Hydroacoustic Site N2	
H03N3	Juan Fernandez Island Hydroacoustic Site N3	
H03S1	Juan Fernandez Island Hydroacoustic Site S1	
H03S2	Juan Fernandez Island Hydroacoustic Site S2	
H03S3	Juan Fernandez Island Hydroacoustic Site S3	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
Linares		
PAN	Panimavida	
SJC	San Javier	
Magallanes		
GO09	Cerro Castillo	
GO10	Punta Arenas	
PTA	Punta Arenas	
SOM	Sombrero	
Malleco		
ANGC	Angol	
Maule		
AGCH	Angol	
CAUQ	Cauquenes	
CNCO	Chanco	
CONS	Constitucion	
CTCH	Constitucion	
GO05	Hualan@16e@15	
U65B	Hualane	
ILOC	Iloca	
LNCH	Linares	
NICH	Los Niches	
MFCH	Minera del Fierro	
CHUE	Retiro	
SJVR	San Javier	
TALC	Talca	
Metropolitana		
LACH	Col Las Americas	
O'Higgins		
CICH	Cipreses	
COLN	Colon	
CACH	El Canelo	
U69B	Peumo	
PICH	Pichilemu	
CHPI	Pichilemu	
SFDO	San Fernando	
STCR	Santa Cruz	
Santiago		
ANTU	Antumapu	
BACH	Barnechea	
CLCH	Cerro Calan	
ELRO	Cerro El Roble	
CHCH	Chadas Angostura	
DSCH	Colegio Aleman	
ROCH	El Roble	
ROC1	El Roble	
YECH	El Yeso	
EDC*	EscuelaIngenieria	
FCH	Farellones	
LCCH	Las Cruces	
LMEL	Las Melosas	
LLCH	Llolleo	
LQT	Los Queltehues	
PEL	Peldehue	
FSR	Penalolen	
PCH	Pirque	
PUEX	Pudahuel	
PUT	Punta Talca	
RCDM	Rinconada Maipu	
SCR	San Cristobal	
SJCH	San Jose de Maipo	
SJM	San Jose Maipo	
STL	Santa Lucia	
SAN	Santiago	
TACH	Talagante	
Tarapaca		
ARI	Arica	
HMBC	Humberstone	
PB01	IPOC Station PB01	
PB02	IPOC Station PB02	
PB08	IPOC Station PB08	
PB11	IPOC Station PB11	
IQQ	Iquique	
ICC	Iquique	
GO02	Mina Guanaco	

Code	Station Name	Other
MNMCX	Minye Minye	
MNMC	Minye Minye	
OLL	Ollague	
PSGCX	Pisagua	
PSGC	Pisagua	
Valdivia		
OSCH	Osorno	
VLV	Valdivia	
VLCH	Valdivia	
Valparaiso		
CCCH	Con Con	
ELP	El Pangue	
ELQ	El Quisco	
IHA	Instituto Hidrografico de la Armada	
LAV	Laguna Verde	
LNV	Longovilo	
MOCH	Los Molles	
NAVD	Navidad	
OLCH	Olmue	
PACH	Papudo	
PTCH	Petorca	
U73B	San Pedro	
UTF	Valparaiso	
VLP	Valparaiso	IHA
ZACH	Zapallar	
Valparaˆ›so		
VA02	Isla de Pascua	
VA03	San Esteban	
VA05	Santo Domingo	
VA01	Torpederas	
Colombia		
CODC	Agustˆ›n Codazzi, Colombia	
ANCC	Alto Anchicaya	
ARGC	Ariguani, Magdalena	
AZUC	Azuc	
AZ1C	Azucar	
MALC	Bahia Malaga	
SOLC	Bahia Solano	
BBAC	Balboa, Cauca	
BARC	Barichara	
BRRC	Barranca, Santander	
CBRI	Barrientos, Norte de Santander	
BETC	Betania	
BTLC	Betulia, Santander	
BOCO	Bogota	
BOG	Bogota	
CBOG1	Bogota, SGC	
BCR	Bucaramanga	
BMG	Bucaramanga	
BUGC	Buga	
RAC02	Cali,SGC	
CAPC	Capurgana	
CRJC	Cerrejon, Guajira, Colombia	
KENC	Cerro Kenedy	
CTAB	Cerro Tablazo, Cundinamarca	
CHN	Chinchina	
CHIC	Chingaza	
PCON	Cinco Dias	
CBOC	Ciudad Bolivar, Antioquia	
CCODA	Codazzi, Cesar	
CVER	Cruz Verde, Cundinamarca	
CCUC3	Cucuta, Santo Domingo	
CCUFI	Cufiˆ–o, Nariˆ–o	
CMBC	Cumbal	
DBBC	Dabeiba	
DBCC	Dabeiba, Colombia	
ETC	El Centro	
HOBC	El Hobo	
RREF	El Recreo	
ROSC	El Rosal	
CROSA	EL ROSAL, CUNDINAMARCA	
FLOC	Florencia	
CFLOR	Florencia	
FUQ	Fuquene	
GAL	Galerazamba	
GARC	Garzon, Huila	
GIRC	Giron, Santander	
GR1C	Gorgona, Isla Gorgona	
GUEC	Guerrero, Norte de Santander	
GUY2C	Guyana, Caldas	
GUYC	Guyana, Colombia	
HOQC	Horqueta	
CIBA1	Ibague, SGC	
GRGC	Isla de Gorgona	
PRVC	Isla de Providencia	
CGR1C	Isla Gorgona, Cauca	
CRUC	La Cruz	
DIAC	La Diana	
CLMC	Lago Colima	
AGZ	La Independencia	
RUSC	La Rusia	
LCBC	Los cˆ‡rdobas, Cordoba	
MACC	Macarena, Meta	
MAPC	Malpelo	
CMAN1	Manizales, Caldas	
MEDC	Medellin	
MOTC	Monteria, Cordoba	
MUNC	Munchique	
CUMC	Nevado Cumbal	
NORC	Norcasia	
CNOCA	NORCASIA, CALDAS	
OCAC	Ocana	
ORTC	Ortega, Tolima	
MARP	Paez Belalcazar	
PAMC	Pamplona, Colombia	
CPAS1	Pasto	
PSO	Pasto	
CPAS2	Pasto	
PAST	Pastocalle	
PIZC	Pizarro, Choco	
PLAY	Playas-San Antonio	
POPC	Popayan, Colombia	
CPOP5	Popayan, Gabriela Mistral	
CPOP2	Popayan, Invias	
CPOP3	Popayan, Sena	
PRAC	Prado	
PUAC	Puerto Asis, Putumayo	
PTBC	PUERTO BERRIO, Antioquia	
PTGC	Puerto Gaitan, Meta	
PTLC	Puerto Leguizamo, Putumayo	
PTAC	Punta Ardita, Chocˆ‡	
REAC	Reactor, Bogotˆ¡	
SOTA	Rioblanco	
HORQ	Saladito	
SALC	Salvajina	
SRD	San Andres	
SEGC	San Emigdio	
SJCC	San Jacinto, Colombia	
GUVC	San Jose del Guaviare	
PLMC	San Jos˜ del Palmar, Chocˆ‡	
UREC	San Jos˜ de Urˆ, Cordoba	
SJAC	San Juan de Arama, Meta	
SMLC	San Martˆ›n de Loba, Colombia	
SPBC	San Pablo de Borbur, Boyacˆ¡	
ANIL	Santa Ana	
HELC	Santa Helena	
SMRC	Santa Marta, Magdalena	
SILC	Silvia	
TAMC	Tame, Arauca	
TATC	Tatama	
CTAU	Tausa, Cundinamarca	
TOLC	Tolima	
CTUM2	Tumaco	
TUMC	Tumaco	
CTUMA	Tumaco, Batallon	
URB	Uribe, Santander	
URIC	Uribia, Colombia	
CVALL	Valledupar, Cesar	
VILC	Villavicencio, Colombia	
GCUF	Volcan Galeras	
PURC	Volcan Purace	
YOPC	Yopal, Colombia	
YOTC	Yotoco, Valle del Cauca	
ZARC	Zaragoza, Cauca	
CHI2		
ECALA		
PUYI		
BIAC		DIAC
ACVZ		
PLAZ		
CR2G		
URCR		
NAR2		
OLGA		
COB3		
ANVZ		
LOEW		
Coquimbo		
CO02	Combarbalˆ¡	
CO03	El Pedregal	
CO06	Fray Jorge	
CO01	Juntas del Toro	
CO05	La Serena	
CO04	Los Peladeros	
Ecuador		
AANG	Acelerˆ‡grafo del Angel	
VIFL	Administraciˆ‡n Zonal Eloy Alfaro - Quito	
QUIB	Administraciˆ‡n Zonal Quitumbe - Quito	
ALAU	Alausˆ›, Posada N	
ALTA	Alta Urco	
AAM1	Ambato 1 (Municipio)	
AAM2	Ambato 2 (Mercado Am˜rica)	
PIAT	Ana Tenorio	
ANGU	Angureal	
ANTI	Antisana	
ANTC	Antisana-Cuyuja	
ANTG	Antisana-Guamanˆ›	
ANTM	Antisana-La Mica	
ANTS	Antisana-Sarahuasi	
ARDO	Archidona, Tena	
AREE	Arenal	
ARNL	Arenillas	
ARRY	Arrayan	
NINA	Atacazo Ninahuilca	
AZU1	Azuela	
MONB	Balzapamba Montalvo, CascadaMilagrosa	
BALZ	Balzar	
BELL	Bellavista	
BIBL	Bibli¡n	
CABP	Cabo Pasado	
CALV	Calvario	
CARM	Carmen	
CARS	Cars	
TING	Casa Alexandra Alvarado - Tingo	
CUMY	Casa Hugo Yepes - Cumbaya	
LILI	Casa Papˆ¡s Liliana Troncoso	
PRAM	Casa Patricio Ramon - Quito	
FENY	Casa Vinicio Caceres	
JSCH	Cashca Tororas, San Jose de Chimbo	
CATE	Catamayo	
CAYA	Cayambe	
CASW	Cayambe	
ELAGU	Cayambe Volc	
GYEB	Cerro Blanco	
CHIS	Cerro-Chispas-Manabi	
HOJA	Cerro de Hojas	
ECEN	Cerro Negro	
CHAR	Charly	
CHIM	Chimborazo	
CHI1	Chimborazo	
PORT	Chimborazo Volcano	
CIRC	Cˆ›rculo Militar	
COHC	Cochancay	
C24MA	Colegio 24 de Mayo	
ZALD	Colegio Gonzalo Zaldumbide - Quito	
COSF	Comisariato del Ejercito Sur - Quito	
CONE	Cono NE Rev Volc	
SANF	Convento San Francisco - Quito	
ECOPE	Copete-Rev Volc	
COTA	Cotacachi	
ACOT	Cotacachi (Casa del Agua)	
VC1	Cotopaxi 1	
COV1	Cotopaxi Volc	
BVC2	Cotopaxi Volcano	
BNAS	Cotopaxi Volcano	
BREF	Cotopaxi Volcano	
BMOR	Cotopaxi Volcano	
BTAM	Cotopaxi Volcano	
PITA	Cotopaxi Volc (N)	
MOV1	Cotopaxi Vol south	
CGGP	Crater GGP	
CUIC	Cuicocha-Domo	
CUSE	Cuicocha Este	
CUSW	Cuicocha Oeste	
CUMB	Cumbre	
CUPA	Cupa	
CUSU	Cusua	
DOMO	Domo	
CASC	Dorado de Cascales	
ANGL	Ecuador	
PECU	Ecuador Network	
MECU	Ecuador Network	
AECU	Ecuador Network	
IECU	Ecuador Network	
GECU	Ecuador Network	
BECU	Ecuador Network	
CECU	Ecuador Network	
RECU	Ecuador Network	VC1
EDEN	Eden	
CIVI	Edificio de Ingenier›a Civil	
EPNL	EPN Laboratorio de Estructuras	
BIL2	Estacion Bilbao	
QTOE	Estacion Edusismo	
FARH	Faro	
FLFR	Flavio Alfaro	
GALE	Galera	
GOLV	Golondrinas	
GONZ	Gonzanamˆ¡	
GGPC	Guagua Pichincha Codigem	
GUAL	Guallil	
AGUAY	Guayaquil	
HIER	Hierbabuena	
IBAR	Ibarra	
AIB2	Ibarra (Universidad Catˆ‡lica)	
IGUA	Igualata	
ILLI	Illinizas Sur - Rasayacu	
IMBA	Imbabura, San Roque	
IRDE	Institut de recherche pour le d˜veloppement - Quito	
ISPT	Isla de la Plata	
ISPU	Isla Punˆ¡	
JAMA	Jama	
JUI6	Juive	
JUIV	Juive	
JUI3	Juive 3	
BONI	La Bonita	
LGCB	Laguna Cube	
HSPR	La Hesperia	
ALIBE	La Libertad	
ALAT	Latacunga	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LITE1	Lita	
LITE	Lita	
LLOA	Lloa	
MCRA	Macarˆ¡, Loja	
MACE	Macas	
MAG1	Magdalena	
MAGD	Magdalena	
PECV	Mancha de Ca Pechiches	
AMANT	Manta	
MSON	Mazon	
MILO	Milagro-Astudillo	
AMIL	Milagro (Transelectric)	
AMOM	Mompiche	
MJAS	Monjas	
MUSH	Mushullacta	
NAS2	Nasa	
NAS1	Nasa	
NCE	Nasa Cotopaxi	
NONO	Nono	
AOTA	Otavalo	
OTAV	Otavalo	
PAC1	Pacto, Para›so	
PKYU	Pakayacu	
PALA	Palora	
PAT1	Patacocha	
PATA	Patacocha	
PDNS	Pedernales	
GPNO	Pichincha	
PINO	Pino	
PIS1	Pisayambo	
PISA	Pisayambo	
MORR	Playas El Morro	
APLA	Playas - Guayaquil	
PENR	Ponce-Enriquez	
POND	Pondoa	
PUCR	Pucara	
QUEM	Puengasi	
PPLP	Puerto Lˆ‡pez	
PULU	Pululahua	
PTGL	Punta Galera	
APUY	Puyo	
PUYO	Puyo, Santa Rosa	
AQUE	Quevedo	
QUEV	Quevedo	
QIL2	Quilotoa	
QIL1	Quilotoa	
QUIL	Quilotoa	
QITI	Quititos	
QIT2	Quititos 2	
QUI	Quito	
QTO	Quito	
OAQ	Quito	
COMIL	Quito-Colegio Militar	
QUND	Qund	
MARY	Rancho Maria	
CAMI	Rancho Maria	
RETU	Refugio	
CAYR	Refugio Cayambe	
GGP	Refugio Guagua Pichincha	
REVS	Reventador Sur	
EPALM	Reventador volcano	
REVE	Rev-Rev Volc	
RIOE	Riobamba	
ARIO	Riobamba	
RIOE1	Riobamba	
RVRD	Rio Verde	
RUMP	Rumipamba	
QUR	Rumipamba	
RUN5	Runtun	
RUN2	Runtun	
RUN3	Runtun 3	
SAGO	Sagoatoa	
SALI	Salinas	
ONHA	San Felipe Oˆ–a, Saraguro	
JORG	San Jorge	
JOR1	San Jorge 1	
JUAN	San Juan	
JUA2	San Juan 2	
BOSC	San Juan Bosco	
LORE	San Lorenzo	
MGUL	San Miguel	
ASDO	Santo Domingo	
IESS	Sede Social del IESS - Quito	
SOCH	Soche	
TAIS	Taisha	
TAMB	Tambo	
TAMH	Tambohuasha Chimborazo	
TENA	Tena	
ATEN	Tena	
TERV	Terraza Guagua	
TOAZ	Toaza	
BMAS	Trigal station	
ATUL	Tulcˆ¡n	
TULM	Tulcˆ¡n-Chalpatan Las Cuevas	
QUT	Tumbaco	
TUNG	Tungurahua	
BILB	Tungurahua volcano	
BRUN	Tungurahua Volcano	
BPAT	Tungurahua Volcano	
ULBA	Ulba	
BBIL	Ulba Tungurahua	
BULB	Ulba Tungurahua	
LOJ1	Universidad t˜cnica Particular de Loja	
URCU	Urcuqui	
YAHU	Yahuarcocha	
YANA	Yana	
YANT	Yantzaza	
ZUMB	Zumba	
XTAL		
Galapagos		
ALCE	Alcedo, Punta Alfaro	
CEAZ	Cerra Azul, Caleta Web	
FER1	Fernandina1, Punta Espinoza	
FER2	Fernandina2, Punta Mangle	
GIE	Galapagos Islands	
FERN	Isla Fernandina	
PAYG	Puerto Ayora	
PVIL	Puerto Villamil, Aeropuerto	
VCHI	Volcan Chico	
VCH1	Volcˆ¡n Chico	
Espirito Santo		
TRI01	ILHA DA TRINDADE, ES	
France		
French Guiana		
CAY	Cayenne	
KOG	Kourou	
MDP	Montagnes des Pe@15res	
MPGF	Montagnes des Peres	
Juan Fernandez Islands		
VA04	Juan Fern˜ndez	
La Araucan›a		
LC01	Cunco	
LC02	Puerto Saavedra	
Los Lagos		
LL02	Futaleufˆ"	
LL07	Hotel Espejo de Luna	
LL05	Los Muermos	
LL03	Petrohue	
LL04	Puerto Octay	
LL01	San Ignacio de Huinay	
Magallanes		
MG02	Cerro Sombrero	
MG03	Isla Dawson	
MG04	Isla Riesco	
MG05	Puerto Natales	
MG01	Puerto Williams	
Mato Grosso		
PAR2	Brasnorte	
CNRN	Canarana	
C2SB	Chapadao do Sul	
CFSA	Confresa	
PAR1	Juara	
PAR3	Juina	
PAR6	Juina	
PAR4	Juina	
PAR5	Porto dos Ga˜"chos	
Metropolitana		
MT02	Curacavˆ›	
MT01	Popeta	
MT05	Renca	
MT09	Talagante	
MT03	Universidad Adolfo Ibaˆ–ez	
Minas Gerais		
JQT1	Jequitai-MG	
O'Higgins		
BO03	Pichilemu	
BO02	Sierra Bellavista	
BO01	Tunca	
Para		
MCPB	Macapa, AP	
TMAB	Tom˜-Aˆ§u,PA,Brazil	

Paraguay
MOND CHI Itaipu Binacional
ITF6 CHI Itaipu Binacional
ITF11 CHI Itaipu Binacional
CPUP Villa Florida
I41PY VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT

Paraiba
NBLV Livramento - PB, Brazil
PATB Patos, Paraiba, Brazil

Peru
CHP4 Algarobillo
PP10 Ancon
ARE Arequipa
ATAH Atahualpa
ATI Atico
PP07 Ayacucho
AYAC Ayacucho
AYE Ayenquera
PP16 Cajamarca
PP02 Calachota
PT10 Camacho
CRV Caraveli
CST Castrovirreyna
CLA Chala
PP08 Chalhuanca
CHP8 Chiclayo
CHP3 Chocan
PP03 Condor
CHP2 Corcovado
CUS Cuzco
PR05 Cuzco--Tambomachay
CHP7 Eten
PT03 Guadalupe
HUA Huancayo
HCO Huanuco
HUZ Huaraz
HURP Huarmaca
CHP5 Huaypira
ICA Ica
PT05 Jicamarca
PT11 Juni
LIM Lima
LM2 Lima (Magdalena)
PT20 Maychil
MAYR Mayorazgo
MRF Miraflores
PT21 Montanita
PT01 Morro Solar
NNA Nana
ONG Ongoro
PCS Paracas
CHP1 Pelados
PT06 Pisco
PT18 Porculla
PCHP Portachuelo
PUC Pucallpa
PVP Pueblo Viejo
PUN Puno
PP06 Puquio
QUM Quillmana
PT02 Quilmana
SGP San Gregorio
SJU San Juan
SJN San Juan, Peru
PT09 Santa Fe
SHP Santa Helena
PP04 Saramarca
PT08 Suche
TAL Talara
PP05 Tocota
TRP Trujillo
PP09 Villa El Salvador
PT04 Zamaca
HCA
HLS
EPCH
EMPA

Sao Paulo
BB22B Bebedouro 22, SP (Brazil)

Tarapacˆ¡
TA01 Diego Aracena
TA02 Huaiquique

Uruguay
OGAUY Aiguˆ¡

Venezuela
ALTV Alturitas
ANGV Angostura
BLV Bailadores
BARV Barcelona
BRIV Barinas
BAUT Bautismo
BENV Belˆ'n
BETV Betijoque
BIRV Birongo
BOTV Botiquin
CABA Caballo Blanco
CAOV Caicara del Orinoco
CACV CAICARA DEL ORINOCO
CAIV Caiguire
CLCV CALICANTO
CAMV Campeare
CAPV Capacho
CARV Caracas
CAR Caracas
CRUV Carupano
CSV Casigua
CATA Catuaro Arriba
CANV Cerro Antonio
CEDI Cerro Diablo
CEOS Cerro El Oso
ELMO Cerro Moro
CERV Cerron
CENE Cerro Negro
GTV Cerro Toribio
CUPV Cu@15pira
CUM Cumana
COAV Cumanacoa
CURV Curarigua
DABV Dabajuro
BAUV El Baul
CAFV EL CAFE
GURV El Guri
EHV El Hato
LLAV El Llanito
GMV El Manteco
ELOV Elorza
PAUV EL PAUJM
PRAV El Prado
TGRV El Tigre
TOV El Tocuyo
VIGV El Vigia
VOLV El Volcan
FIPE Fila de Piedra
ELPA Fila Paraiso
FDCV FORTIN DE LA CUMBRE
FUNV FUNVISIS
GRMC Gramalote, Santander
GUAC Guacamaya
GUNV Guanoco
GUIV Guiria
GUV Guri
GUV5 Guri Network
GUV4 Guri Network
GUV1 Guri Network
GUV2 Guri Network
GUV3 Guri Network
HATO Hato, Curacao
INTV Intevep
IAV Isla Aves
IBAV Isla La Blanquilla
ORCV Isla La Orchila
IMOV Isla Los Monjes
ITEV Isla Los Testigos
IVIV IVIC
JACV Jacura
AGV La Aguada
CEIV La Ceiba
LACU La Cuchilla
CUV La Culata
LADA La Danta
LAGU Laguneta
LAGV Lagunillas
LGN Lagunillas
LAPE La Pedrera
MERV Las Mercedes
OLLA Las Ollas
TORT La Tortuga
LAU La Urbina
LEV Loma de el Viento
LORO Los Roques
LUEV Luepa
GMC Macagua
MAPV Macapo
MCHV Machiques
MCQV Machiques
MANV Manamana
MARA Maracay
MISV Misoa
MOLL Mollejon
MONV Montecano
MORO Morrocoy
OCUV OCUMARITO
ORIV Oritupano
PALR Palma Real
PALM Palmichal
OSV Paramo de la Osa
PDMV Paramo Marino
PARV Pariaguan
PRGV PARIAGUAN
EAV Pico El Aguila
PMV Pico Espejo
PLAV Platillon
POTV Potrerito
PAYV Puerto Ayacucho
PLCV Puerto La Cruz
PCRV Puerto La Cruz
QARV Quebrada Arriba
RIOV Rio Grande
FISA Sacuragua
SAJV Sajaritas
SANV Sanarito
SCRV San Cristobal
LORV San Lorenzo
ISAV Santa Isabel
SRV Santa Rosalia
SDV Santo Domingo
SIPV Sipayare
SIQV Siquisique
SIR Siria
SOCV Socops
TACV T`¡cata
TEPV Terepaima
TIOV TMO PEDROTE
TORV Torococo
PALV Tres Palos
TUV Trujillo
TURV Turiamo
UAV Universidad de los Andes
GUAN Valle de Guanape
VIRV Villa del Rosario

AGENCIES REPORTING EPICENTRAL ESTIMATES

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AEIC **ALASKA EARTHQUAKE INFORMATION CENTER.** Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320, Fairbanks AK 99775-7320, U.S.A..

ANF **USARRAY ARRAY NETWORK FACILITY.** IRIS, 1200 New York Ave, NW, Suite 800, Washington, DC 20005, U.S.A..

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BYKL **BAYKAL REGIONAL SEISMOLOGICAL CENTRE, GS SB RAS.** Baykal Regional Seismological Centre, Lermontov str,.128, Irkutsk-33, 664033, Russia.

CAR **INSTITUTO SISMOLOGICO DE CARACAS.** Instituto Sismologico, Apartado 6745, Caracas 1010A, Venezuela.

CERI **CENTER FOR EARTHQUAKE RESEARCH AND INFORMATION.** Memphis University, 3890 Central Ave (formerly TEIC Tennessee Earthquake Information Center), Memphis, TN 38152, U.S.A..

CMWS **LABORATORY OF SEISMIC MONITORING OF CAUCASUS MINERAL WATER REGION, GSRAS.** , Russia.

CNRM **CENTRE NATIONAL DE RECHERCHE.** Centre National de Recherche, B.P. 1346, R.P. Rabat, Morocco.

CRAAG **CENTRE DE RECHERCHE EN ASTRONOMIE, ASTROPHYSIQUE ET G˜'OPHYSIQUE.** Centre de Recherche en Astronomie, Astrophysique et Geophysique, Craag, Algiers, Algeria.

CSEM **CENTRE SISMOLOGIQUE EURO-M˜'DITERRAN˜'EN (CSEM/EMSC).** Centre Sismologique Euro-Mediterraneen, c/o LDG, BP12, 91680 Bruyeres-le-Chatel, France.

DDA **DISASTER AND EMERGENCY MANAGEMENT PRESIDENCY.** Disaster and Emergency Management Presidency, Earthquake Department Presidency, K˜–z˜–l˜–rmak Mah. Ufuk ˆnversitesi Cad. No:12 S˜¶˜…t˜¶zˆ…, 06510 ˆankaya, Ankara, Turkey.

DHMR **YEMEN NATIONAL SEISMOLOGICAL CENTER.** National Seismological Observatory Center, P.O. Box 87175, Dhamar, Yemen.

DJA **BADAN METEOROLOGI, KLIMATOLOGI DAN GEOFISIKA.** Badan Meteorologi dan Geofisika, Jln. Angkasa I/2 Kemayoran, Jakarta Pusat 10720, Indonesia.

DMN **DEPARTMENT OF MINES AND GEOLOGY, MINISTRY OF INDUSTRY OF NEPAL.** Department of Mines and Geology, Ministry of Industry, Lainchour, Kathmandu, Lainchour, Kathmandu, Nepal.

DNK **GEOLOGICAL SURVEY OF DENMARK AND GREENLAND.** Geological Survey of Denmark and Greenland (GEUS), Ostervoldgade 10, DK-1350 Copenhagen K, Denmark.

DRS **DAGESTAN BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** , Russia.

DSN **DUBAI SEISMIC NETWORK.** Dubai Seismic Network, Dubai Municipality, Dubai, United Arab Emirates.

EAF **EAST AFRICAN NETWORK.** Comprising stations from Ethiopia, Kenya, Malawi, Uganda, Zambia and Zimbabwe,

ECX **RED SISMICA DEL NOROESTE DE MEXICO (RESOM).** Centro de Investigacion Cientifica y de Educacion Superior de, Ensenada (CICESE), Aptdo. Postal 2732, Ensenada, Baja California, Mexico.

EST **GEOLOGICAL SURVEY OF ESTONIA.** Geological Survey of Estonia, Kadaka tee 82, Tallinn, 12618, Estonia.

FIA0 **FINESSA ARRAY.** , Finland.

FUNV **FUNDACI˜‡N VENEZOLANA DE INVESTIGACIONES SISMOL˜‡GICAS.** Fundaci˜‡n Venezolana de Investigaciones Sismol˜‡gicas (FUNVISIS), Apartado 76880, Caracas 1070-A, Venezuela.

GCMT **THE GLOBAL CMT PROJECT.** Lamont Doherty Earth Observatory (LDEO), Columbia University, 61 Route 9W, P.O. Box 1000, Palisades, NY 10964-1000, U.S.A..

GDNRW **GEOLOGISCHER DIENST NORDRHEIN-WESTFALEN.** Geologischer Dienst Nordrhein-Westfalen, De-Greiff-Str. 195, D-47803 Krefeld, Germany.

GEN **DIPARTIMENTO PER LO STUDIO DEL TERRITORIO E DELLE SUE RISORSE (RSNI).** Universita di Genova, Laboritorio di Sismologia, Viale Benedetto XV, 5, 16132 Genova, Italy.

GFZ **HELMHOLTZ CENTRE POTSDAM GFZ GERMAN RESEARCH CENTRE FOR GEOSCIENCES.** Section 2.4, Seismology, GEOFON Program, Telegrafenberg, 14473 Potsdam, Germany.

GII **THE GEOPHYSICAL INSTITUTE OF ISRAEL.** Geophysical Institute of Israel, P.O. Box 182, Lod 71100, Israel, Israel.

GRAL **NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH.** National Centre for Geophysical Research, 59, Rue Zahia Selman, B.P. 11-8281 Ryad El Solh 1107, Beyrouth, Lebanon.

GUC	**DEPARTAMENTO DE GEOFˆ›SICA, UNIVERSIDAD DE CHILE.** Servicio Sismologico Universidad de Chile, Avenida Blanco Encalada 2002, P.O. box 2777, Santiago, Chile., Chile.
HEL	**INSTITUTE OF SEISMOLOGY, UNIVERSITY OF HELSINKI.** Department of Geosciences and Geography, University of Helsinki, P.O. Box 68, Gustaf Hˆllstr¶min katu 2b, FI-00014 University of Helsinki, Finland.
HLW	**NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS.** National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Cairo, Egypt.
HVO	**HAWAIIAN VOLCANO OBSERVATORY.** US Geological Survey, Hawaiian Volcano Observatory, P.O. Box 51, Hawaiian National Park, HI 96718-0051, U.S.A..
HYB	**NATIONAL GEOPHYSICAL RESEARCH INSTITUTE.** National Geophysical Research Institute, Uppal Road, Hyderabad, Pin - 500 007, Andhra Pradesh, India.
IASPE	**IASPEI WORKING GROUP ON REFERENCE EVENTS.** Department of Physics, University of Colorado, Campus Box 390, Boulder, CO 80309-0390, U.S.A..
ICE	**INSTITUTO COSTARRICENSE DE ELECTRICIDAD.** Instituto Costarricense de Electricidad, Apartado 10032, San Jose, Costa Rica.
IDC	**INTERNATIONAL DATA CENTRE, CTBTO.** International Data Centre, Provisional Technical Secretariat (PTS), Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), Vienna International Centre, PO Box 1200, A-1400 Vienna, Austria.
IDG	**INSTITUTE OF DYNAMICS OF GEOSPHERE, RUSSIAN ACADEMY OF SCIENCES.** Moscow, Russia.
IEPN	**INSTITUTE OF ENVIRONMENTAL PROBLEMS OF THE NORTH, RUSSIAN ACADEMY OF SCIENCES.** Institute of Environmental Problems of the North, Russian Academy of Sciences, Severnoj Dviny Emb., 23, Arkhangelsk 163000, Russia.
IGIL	**INSTITUTO GEOFISICO DO INFANTE DOM LUIZ.** Instituto Geofisico do Infante Dom Luiz, Universidade de Lisboa, R. Escola Politecnica, 58, 1269-102 Lisboa, Portugal.
IGQ	**SERVICIO NACIONAL DE SISMOLOGˆ›A Y VULCANOLOGˆ›A.** Instituto Geofisico, Escuela Politecnica Nacional, P.O.Box 17012759, Quito, Ecuador.
INMG	**INSTITUTO PORTUGUˆ“S DO MAR E DA ATMOSFERA, I.P..** Instituto Portuguˆ“s do Mar e da Atmosfera, Rua C ao Aeroporto, 1749-077 Lisboa, Portugal.
IPEC	**THE INSTITUTE OF PHYSICS OF THE EARTH (IPEC).** The Institute of Physics of the Earth (IPEC), Masaryk University, Tvrdeho 12, 602 00, Brno, Czech Republic.
ISCJB	**INTERNATIONAL SEISMOLOGICAL CENTRE.** Pipers Lane, Thatcham, Berkshire RG19 4NS, United Kingdom.
ISK	**KANDILLI OBSERVATORY AND RESEARCH INSTITUTE.** Kandilli Observatory and Research Institute, Bogazici University, Cengelkoy 81220, Istanbul, Turkey.
ISN	**IRAQI METEOROLOGICAL AND SEISMOLOGY ORGANISATION.** Iraqi Meteorological and Seismology Organisation, Baghdad, Iraq.
JMA	**JAPAN METEOROLOGICAL AGENCY.** Japan Meteorological Agency, 1-3-4 Otemachi, Tokyo 100-8122, Japan.
JSN	**JAMAICA SEISMIC NETWORK.** University of the West Indies, Department of Geology, Seismic Research Unit, Mona, Kingston 7, Jamaica.
JSO	**JORDAN SEISMOLOGICAL OBSERVATORY.** Natural Resources Authority, P.O. Box 7, Amman, Jordan.
KLM	**MALAYSIAN METEOROLOGICAL SERVICE.** Seismological Division, Malaysian Meteorological Service, Jalan Sultan, 46667 Petaling Jaya, Selangor, Malaysia.
KMA	**KOREA METEOROLOGICAL ADMINISTRATION.** Earthquake Division, 460-18 Sindaebang-dong Dongjak-gu, Seoul 156-720, Republic of Korea.
KNET	**KYRGYZ SEISMIC NETWORK.** Bishkek - 49, Bishkek - 49, Kyrgyzstan.
KOLA	**KOLA REGIONAL SEISMIC CENTRE, GS RAS.** , Russia.
KRAR	**KRASNOYARSK SCIENTIFIC RESEARCH INST. OF GEOLOGY AND MINERAL RESOURCES, RUSSIA.** Krasnoyarsk, Russia.
KRNET	**INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES OF KYRGYZ REPUBLIC.** , Kyrgyzstan.
KRSC	**KAMCHATKAN EXPERIMENTAL AND METHODICAL SEISMOLOGICAL DEPARTMENT, GS RAS.** Geophysical Service, RAS (KEMSC GS RAS), 9 Piip Boulevard, Petropavlovsk-Kamchatsky, 683006, Russia.
LDG	**LABORATOIRE DE Dˆ'TECTION ET DE Gˆ'OPHYSIQUE/CEA.** Section Traitment de Donnees Geophysique, B.P. 12, 91680 Bruyeres-le-Chatel, France.
LDO	**LAMONT-DOHERTY EARTH OBSERVATORY.** Seismology Department, Lamont-Doherty Geological Observatory, Palisades, NY 10964, Palisades, NY 10964, U.S.A..
LEDBW	**LANDESERDBEBENDIENST BADEN-Wˆ…RTTEMBERG.** Landesamt fuer Geologie, Rohstoffe und Bergbau (LGRB), Referat 98 - Landeserdbebendienst, Albertstrasse 5, D-79104 Freiburg i. Br., Germany.
LIC	**STATION Gˆ'OPHYSIQUE DE LAMTO.** Station Geophysique, BP 31, N,Douci, Ivory Coast.
LIM	**LIMA.** , Peru.
LIT	**GEOLOGICAL SURVEY OF LITHUANIA.** Geological Survey of Lithuania, S. Konarskio str. 35, LT-03123 Vilnius, Lithuania.
LJU	**ENVIRONMENTAL AGENCY OF THE REPUBLIC OF SLOVENIA.** Environmental Agency of the Republic of Slovenia, Seismology Office, Dunajska 47/VII, SI-1000 Ljubljana, Slovenia.
LSZ	**GEOLOGICAL SURVEY DEPARTMENT OF ZAMBIA.** Geological Survey Department, P.O. Box 50135, Lusaka, Zambia.
LVSN	**LATVIAN SEISMIC NETWORK.** Latvian Environment, Geology and Meteorology Centre, Maskavas Street 165, Riga, LV-1019, Latvia.
MAN	**PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY.** PHIVOLCS, University of the Philippines Campus, PHIVOLCS Building, C. P. Garcia Avenue, Diliman, Quezon City, 1100, Philippines.
MDD	**INSTITUTO GEOGRˆ¡FICO NACIONAL.** Instituto Geogrˆ¡fico Nacional, Servicio de Sismologia e Ingenieria Sismica, Calle del General Ibanez de Ibero 3, Apartado 3007, Madrid 3, Spain.
MED_R	**MEDNET REGIONAL CENTROID - MOMENT TENSORS.** MedNet Regional Centroid - Moment Tensors (INGV), Via di Vigna Murata 605, 00143 Roma, Italy.
MEX	**INSTITUTO DE GEOFˆ›SICA DE LA UNAM.** Servicio Sismologico Nacional, Instituto de Geofisica, Universidad Nacional Autonoma de Mexico, Ciudad Universitaria Del. Coyoacan, C.P. 04510, Mexico D.F., Mexico.
MIRAS	**MINING INSTITUTE OF THE URAL BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES.** Mining Institute of the Ural Branch of the Russian Academy of Sciences, Sibirskaya str, 78A, Perm, Permisky Krai, Russia.
MOLD	**INSTITUTE OF GEOPHYSICS AND GEOLOGY.** Academy of Sciences of Moldova, str.Academiei 3, MD-2028, Chisinau, Moldova.
MOS	**GEOPHYSICAL SURVEY OF RUSSIAN ACADEMY OF SCIENCES.** Geophysical Survey of Russian Academy of Sciences, Obninsk, Lenin str., 189, 249020, Kaluga region, Russia.
MRB	**INSTITUT CARTOGRˆFIC DE CATALUNYA.** Institut Cartografic de Catalunya, Parc de Montjuic, 08038 Barcelona, Spain.
NAO	**STIFTELSEN NORSAR.** Stiftelsen NORSAR, Gunnar Randers vei 15, P.O. Box 53, 2027 Kjeller, Norway.
NCEDC	**NORTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** University of California, Berkeley and US Geological Survey, http://quake.geo.berkeley.edu/ncedc, Menlo Park, U.S.A..
NDI	**INDIA METEOROLOGICAL DEPARTMENT.** India Meteorological Department (IMD), Ministry of Earth Sciences, Lodi Road, New Delhi, India.
NEIC	**NATIONAL EARTHQUAKE INFORMATION CENTER.** National Earthquake Information Center, U.S. Geological Survey, Stop 966, DFC, Denver CO 80225-0046, U.S.A..

NERS **NORTH EASTERN REGIONAL SEISMOLOGICAL CENTRE, GS RAS.** North Eastern Regional Seismological Centre (GSRAS), Skuridin str.,6-b, 685024 Magadan, Russia.

NIC **CYPRUS GEOLOGICAL SURVEY DEPARTMENT.** Cyprus Geological Survey Department, 1 Lefkonos Street, 2064 Strovolos, Lefkosia, Cyprus.

NIED **NATIONAL RESEARCH INSTITUTE FOR EARTH SCIENCE AND DISASTER PREVENTION.** National Research Institute for Earth Science and Disaster Prevention, 3-1 Tennodai, Tsukuba, Ibaraki 305-0006, Japan.

NNC **NATIONAL NUCLEAR CENTER.** Kazakhstan National Data Center, IGR NNC RK, Chaikinoy str., 4, 480020, Almaty, Kazakhstan.

NORS **NORTH OSSETIA (ALANIA) BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** , Russia.

NSSC **NATIONAL SYRIAN SEISMOLOGICAL CENTER.** Ministry of Petroleum and Mineral Resources, Damascus, Syria.

NSSP **NATIONAL SURVEY OF SEISMIC PROTECTION.** Government of the Republic of Armenia, Davidashen 4 Massiv, 375054 Yereven, Armenia.

OGSO **OHIO GEOLOGICAL SURVEY.** Ohio Department of Natural Resources, Division of Geological Survey, 2045 Morse Rd., Bldg. C-1, Columbus, OH 43229-6693, U.S.A..

OMAN **SULTAN QABOOS UNIVERSITY.** College of Science, Sultan Qaboos University, P.O. Box 36, 123 Al Khod, Oman.

OTT **CANADIAN HAZARDS INFORMATION SERVICE, NATURAL RESOURCES CANADA.** Canadian Hazards Information Service, Natural Resources Canada, Ottawa, Ontario K1A 0Y3, Canada.

PAS **CALIFORNIA INSTITUTE OF TECHNOLOGY.** California Institute of Technology, Seismological Laboratory, 1200 E. California Blvd., MS 252-21, Pasadena, CA 91125, U.S.A..

PDA **UNIVERSIDADE DOS AˆSORES.** Universidade dos Aˆsores, Departamento de Geociencias, Ponta Delgada, Azores, Portugal.

PDG **SEISMOLOGICAL INSTITUTE OF MONTENEGRO.** Seismological Institute of Montenegro, R. Burica 2, P.O. Box 196, 20.000 Podgorica, Montenegro.

PGC **PACIFIC GEOSCIENCE CENTRE.** Pacific Geoscience Centre, 9860 West Saanich Road, P.O. Box 6000, Sidney, British Columbia, V8L 4B2, Canada.

PLV **NATIONAL CENTER FOR SCIENTIFIC RESEARCH.** National Center for Scientific Research, Hanoi, Vietnam.

PNSN **PACIFIC NORTHWEST SEISMIC NETWORK.** Department Earth and Space Sciences, University of Washington, Box 351310, Seattle, WA 98195, U.S.A..

PPT **LABORATOIRE DE GˆOPHYSIQUE/CEA.** Laboratoire de Gˆophysique, C.E.A. D.A.S.E. L.D.G./Pamatai, B.P. 640 Papeete 98713, French Polynesia.

PRE **COUNCIL FOR GEOSCIENCE.** Council for Geoscience, 280 Pretoria Street, Silverton, Pretoria, South Africa.

PRU **GEOPHYSICAL INSTITUTE, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.

REN **MACKAY SCHOOL OF MINES.** MacKay School of Mines, University of Nevada, Reno, NV 89507, U.S.A..

REY **ICELANDIC METEOROLOGICAL OFFICE.** Vedurstofa Islands, Reykjavik, Iceland.

ROM **ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA.** Istituto Nazionale di Geofisica e Vulcanologia, Via Vigna Murata 605, 00143 Roma, Italy.

RSNC **RED SISMOLˆ‡GICA NACIONAL DE COLOMBIA.** Red Sismolˆ‡gica Nacional de Colombia, Servicio Geolˆ‡gico Colombiano, Diagonal 53 No 34-53, Bogota, Colombia.

RSPR **RED Sˆ›SMICA DE PUERTO RICO.** Geology Department, University of Puerto Rico, Mayaguez Campus, Box 9017, Mayaguez, PR 00681 9017, U.S.A..

SAR **SARAJEVO SEISMOLOGICAL STATION.** Seismological Station, Hydrometeorological Institute, Grdonj 36, P.O. Box 620, Sarajevo, Bosnia and Herzegovina.

SCB **OBSERVATORIO SAN CALIXTO.** Observatorio San Calixto, Casilla 12656, La Paz, Bolivia.

SCEDC **SOUTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** Seismology Laboratory, Caltech, Pasadena, California 91125, U.S.A..

SEA **GEOPHYSICS PROGRAM AK-50.** Geophysics Program AK-50, University of Washington, Seattle WA 98195, U.S.A..

SFS **REAL INSTITUTO Y OBSERVATORIO DE LA ARMADA.** Oficina de Relaciones Pˆ™blicas de la Flota, Cuartel General de la Flota, Base Naval de Rota, 11530 Rota, Cˆ¡diz, Spain.

SGS **SAUDI GEOLOGICAL SURVEY.** National Earthquake and Volcano Centre, Saudi Geological Survey, P.O.Box 54141, Jeddah 21514, Saudi Arabia.

SIGU **SUBBOTIN INSTITUTE OF GEOPHYSICS, NATIONAL ACADEMY OF SCIENCES.** Subbotin Institute of Geophysics, Ukraine.

SIK **SEISMIC INSTITUTE OF KOSOVO.** Seismic Institute of Kosovo, St. Nena Tereze Nr.36, Toskana, Prishtine

SJA **INSTITUTO NACIONAL DE PREVENCIˆ‡N Sˆ›SMICA.** Instituto Nacional de Prevenciˆ‡n Sˆ›smica (INPRES), Departamento de Sismologia, Roger Balet 47 Norte, 5400 San Juan, Argentina.

SKHL **SAKHALIN EXPERIMENTAL AND METHODOLOGICAL SEISMOLOGICAL EXPEDITION, GS RAS.** Geophysical Survey, Russian Academy of Sciences, 2 Tihookeanskaya, Yuzhno-Sakhalinsk, 693010, Russia.

SKO **SEISMOLOGICAL OBSERVATORY SKOPJE.** University Seismological Observatory, Skopje, P.O. Box 422, 91001, Skopje, FYR Macedonia.

SLC **SALT LAKE CITY.** Cook, K.L. and Smith, R.B. 1967, Bull. Seism. Soc. Am., v. 57, 4, U.S.A..

SLM **SAINT LOUIS UNIVERSITY.** Department of Earth and Atmospheric Sciences, Saint Louis University, Laclede Station, P.O. Box 8099, Saint Louis, MO 63156, U.S.A..

SNET **SERVICIO NACIONAL DE ESTUDIOS TERRITORIALES.** Ministerio de Obras Publicas de El Salvador, Alameda Roosevelt y 55 Avenida No. 16, San Salvador, El Salvador.

SOF **GEOPHYSICAL INSTITUTE, BULGARIAN ACADEMY OF SCIENCES.** Department of Seismology, Geophysical Institute, Bulgarian Academy of Sciences, Acad. G. Bonchev str, bl.3, 1113 - Sofia, Bulgaria.

SOME **SEISMOLOGICAL EXPERIMENTAL METHODOLOGICAL EXPEDITION.** Seismological Experimental Methodological Expedition, MES RK, Al-Farabi Av., 75 A, 050060, Almaty, Kazakhstan.

STR **INSTITUT DE PHYSIQUE DU GLOBE.** Institut de Physique du Globe, Universite Louis Pasteur, 5 Rue Rene Descartes, 67084 Strasbourg Cedex, France.

SVSA **SISTEMA DE VIGILˆ¢NCIA SISMOLˆ‡GICA DOS AˆSORES.** Observatˆ‡rio Afonso Chaves, Ponta Delgada, Aˆsores, (Communications to:Servico Meteorologico Nacional, Rua C, Aeroporto, Lisboa-2, Portugal.), Portugal.

TAP **CWB.** 64 Kung Yuan Road, 10039 Chinese Taipei

TEH **TEHRAN UNIVERSITY.** Institute of Geophysics, University of Tehran, 16 Azar Street, Enghelab Ave., Tehran, Iran.

THE **DEPARTMENT OF GEOPHYSICS, ARISTOTLE UNIVERSITY OF THESSALONIKI.** Central Seismological Station, Laboratory of Geophysics, Aristotle University, GR-54006 Thessaloniki, Greece.

THR **INTERNATIONAL INSTITUTE OF EARTHQUAKE ENGINEERING AND SEISMOLOGY (IIEES).** International Institute of Earthquake Engineering and Seismology (IIEES), No. 26 Argavan Avenue, Dibaji Shomali, Farmanih, Tehran, Iran.

TIF **SEISMIC MONITORING CENTRE OF GEORGIA.** Seismic Monitoring Centre of Georgia, Nutsubidze str. 77, Tbilisi 0177, Georgia.

TIR **THE INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES OF ALBANIA.** Seismological Institute, Academy of Sciences of Albania, Rruga Don Bosko, Tirana, Albania.

TRN **UNIVERSITY OF THE WEST INDIES.** Seismic Research Unit, University of the West Indies, St. Augustine, Trinidad, Trinidad and Tobago.

TUL **OKLAHOMA GEOLOGICAL SURVEY.** Oklahoma Geophysical Observatory, Oklahoma Geological Survey, Box 8, Leonard, OK 74043, U.S.A..

TUN **INSTITUT NATIONAL DE LA MˆT'OROLOGIE.** Institut National de la Mˆt'orologie, Avenue Mohamed Ali Akid Citˆ' olympique El Khadhra, 1003 Tunis, Tunisia.

UCC **ROYAL OBSERVATORY OF BELGIUM.** Department of Reference Systems and Geodynamics, Royal Observatory of Belgium, Av. Circulaire, 3, Ringlaan 3, 1180 Bruxelles, Belgium.

UCR **SECCIˆ‡N DE SISMOLOGˆ›A, VULCANOLOGˆ›A Y EXPLORACIˆ‡N GEOFˆ›SICA.** Escuela Centroamericana de Geologˆ›a, Apdo. 214-2060, Universidad de Costa Rica, San Pedro, Costa Rica.

UPA **UNIVERSIDAD DE PANAMA.** Instituto de Geociencias, Universidad de Panama (UPA), Campus Central - COLINA, Ciudad de Panamˆ¡, Panama.

UPP **UNIVERSITY OF UPPSALA.** Dept of Earth Sciences, Seismology, Villavagen 16, 75236 Uppsala, Sweden.

UPSL **UNIVERSITY OF PATRAS, DEPARTMENT OF GEOLOGY.** University of Patras, Department of Geology, University Campus, 265 04 Rio Patras, Greece.

USGS **UNITED STATES GEOLOGICAL SURVEY.** US Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A..

UUSS **THE UNIVERSITY OF UTAH SEISMOGRAPH STATIONS.** The University of Utah, 115 South 1460 East, Room 211 FASB Salt Lake City, UTAH 84112-0102, U.S.A..

VIE **ˆSTERREICHISCHER GEOPHYSIKALISCHER DIENST.** Zentralanstalt fˆ…r Meteorologie und Geodynamik, Abteilung Geophysik, Postfach 342, A-1191 Wien, Austria.

VKMS **LAB. OF SEISMIC MONITORING, VORONEZH REGION, GSRAS & VORONEZH STATE UNIVERSITY.** Voronezh, Russia.

WAR **INSTITUTE OF GEOPHYSICS, POLISH ACADEMY OF SCIENCES.** Institute of Geophysics, Polish Academy of Sciences, Ksiecia Janusza 64, 01-452 Warsaw, Poland.

WBNET **WEST BOHEMIA SEISMIC NETWORK.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.

WEL **INSTITUTE OF GEOLOGICAL AND NUCLEAR SCIENCES.** GNS Science, 1 Fairway Drive, Avalon Lower Hutt, New Zealand 5010, P.O. Box 30368 Lower Hutt, New Zealand.

WES **WESTON OBSERVATORY.** Department of Geology and Geophysics, Boston College, 381 Concord Road, Weston, MA 02193, U.S.A..

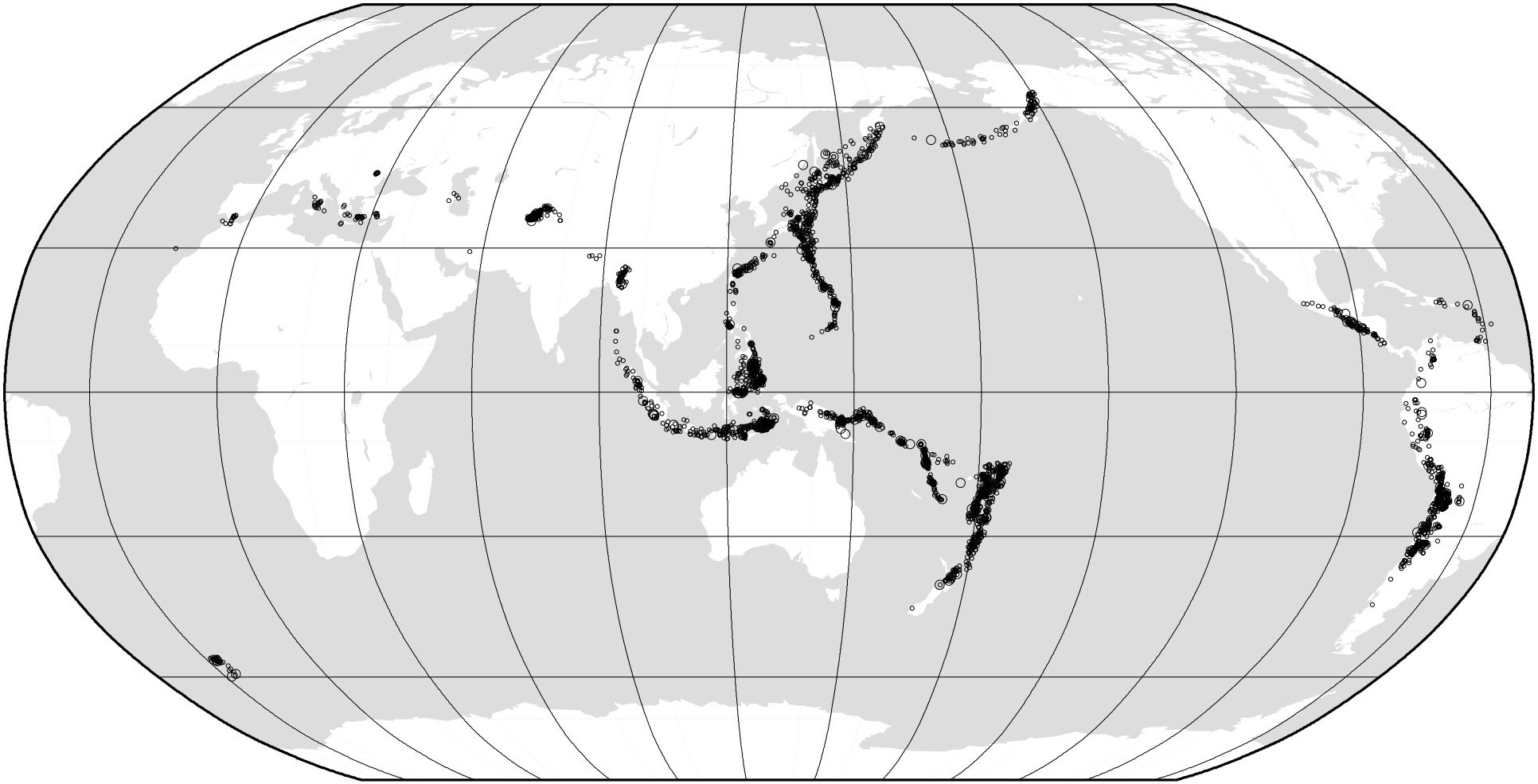
YARS **YAKUTIYA REGIONAL SEISMOLOGICAL CENTER, GS SB RAS.** Yakutiya Regional Seismological Center, GS SB RAS, pr. Lenina 39, 677980, Yakutsk, Russia.

ZUR **SWISS SEISMOLOGICAL SEVICE (SED).** Swiss Federal Institute of Technology, ETH-Hˆ¶nggerberg HPP P2, CH-8093 Zurich, Switzerland.

ISC Epicentres for July - December 2012

Depth > 60 km

3740 Events



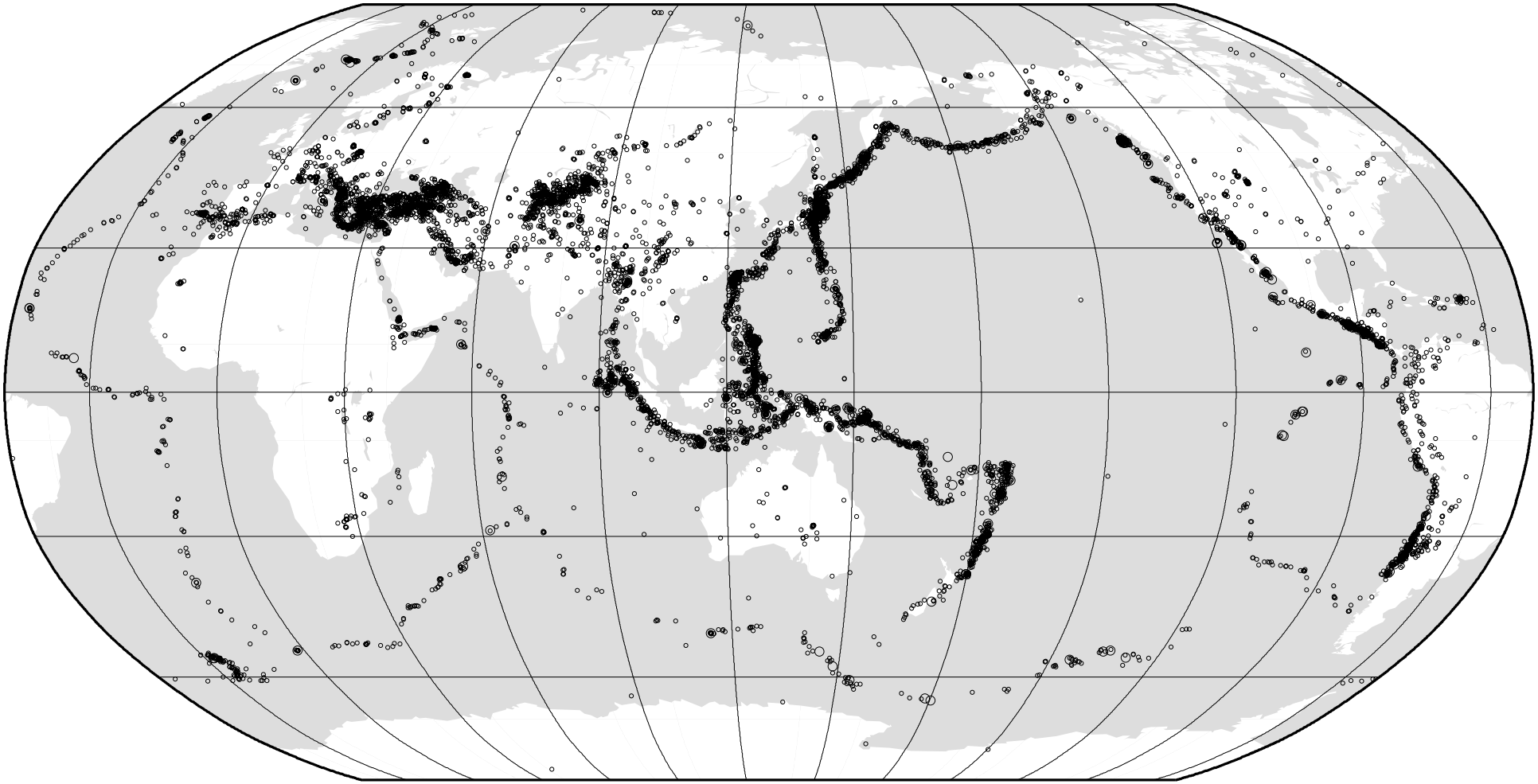
Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E

ISC Epicentres for July - December 2012

Depth <= 60 km or Unspecified

14834 Events



Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E